



Building knowledge

# Job Order Contract Construction Task Catalog®

Book 1 of 3   CSI Divisions 01 - 11   June 2022

Natividad Medical Center



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MEDICAL CENTER

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## About the CTC:

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

## MasterFormat™

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



## The Unit Prices Include:

### LABOR COSTS:

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

### EQUIPMENT COSTS:

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

### MATERIAL COSTS:

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

## The Adjustment Factors Include:

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

### BUSINESS COSTS:

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

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

### PROJECT RELATED COSTS:

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

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

### PRICE VARIATIONS:

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

### SUMMARY:

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

**Unit Price X Quantity X Adjustment Factor**

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

### General Rules:

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



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

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

#### DEMOLITION:

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

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

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

#### WORKING HEIGHT:

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

#### FIELD ENGINEERING:

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

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

### ASSEMBLIES:

- ☑ Assembly Tasks take precedence over individual component Tasks.

### RESTRICTED AND CONFINED SPACES:

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

### Or Equals:

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

### Useful Information:

#### UNIT OF MEASURE DEFINITIONS:

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

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

**MATERIAL WEIGHTS:**

**EARTHEN MATERIAL**

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

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

**BULK FACTORS FOR DEMOLITION:**

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

**CONVERSIONS:**

**1 Acre** = 43,560 Square Feet = 4046.8 Square Meters

**1 Board Foot** = 12" x 12" x 1" = 144 Cubic Inches

**1 Centimeter** = 0.3937 Inches = 0.0328 Feet

**1 Cubic Foot** = 0.03704 Cubic Yards = 0.02832 Cubic Meters

**1 Cubic Meter** = 1.3080 Cubic Yards = 35.3147 Cubic Feet

**1 Cubic Yard** = 27 Cubic Feet = 0.7646 Cubic Meters

**1 Foot** = 12 Inches = 0.3048 Meters

**1 Inch** = 2.54 Centimeters = 0.0254 Meters

**1 Kilogram** = 2.2046 Pounds

**1 Kilometer** = 0.6214 Miles = 3280 Feet

**1 Meter** = 100 Centimeters = 3.2808 Feet

**1 Mile** = 5280 Feet = 1.6093 Kilometers

**1 Pound** = 0.4536 Kilograms

**1 Square Foot** = 144 Square Inches = .0929 Square Meters

**1 Square Meter** = 1.1960 Square Yards = 10.7639 Square Feet

**1 Square Yard** = 9 Square Feet = 0.8361 Square Meters

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

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

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

## STANDARD GEOMETRY:

### Circle

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

### Cylinder

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

### Sphere

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

### $\pi = 3.14159$

### United Inch

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

## TRADEMARKS

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 01 General Requirements

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

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

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

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

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

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

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

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

Note: Welders receive the rate prescribed for the craft performing the operation to which the welding is incidental. Supervising foreman use the craft performing the operation with the supervising foreman modifier.

01 22 20 00-0002	HR	Asbestos Removal Worker .....	69.46
<p>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.</p>			
For Supervising Foreman, Add			3.47
For Apprentice, Deduct			-13.89
01 22 20 00-0003	HR	Insulator .....	106.06
<p>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.</p>			
For Supervising Foreman, Add			5.30
For Apprentice, Deduct			-21.21
01 22 20 00-0004	HR	Boilermaker.....	108.05
<p>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.</p>			
For Supervising Foreman, Add			5.40
For Apprentice, Deduct			-21.61
01 22 20 00-0005	HR	Brick Layer.....	98.11
<p>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.</p>			
For Supervising Foreman, Add			4.91
For Apprentice, Deduct			-19.62
01 22 20 00-0006	HR	Carpenter.....	109.77
<p>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.</p>			
For Supervising Foreman, Add			5.49
For Apprentice, Deduct			-21.95
01 22 20 00-0007	HR	Carpet, Linoleum .....	113.61
<p>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.</p>			
For Supervising Foreman, Add			5.68
For Apprentice, Deduct			-22.72
01 22 20 00-0008	HR	Cement Mason .....	85.56
<p>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.</p>			
For Supervising Foreman, Add			4.28
For Apprentice, Deduct			-17.11
01 22 20 00-0009	HR	Drywall Finisher .....	101.96
<p>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.</p>			
For Supervising Foreman, Add			5.10
For Apprentice, Deduct			-20.39
01 22 20 00-0010	HR	Electrician .....	107.61
<p>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.</p>			
For Supervising Foreman, Add			5.38
For Apprentice, Deduct			-21.52
01 22 20 00-0011	HR	Equipment Operator, Crane (Group 1-A).....	111.27
<p>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.</p>			
01 22 20 00-0012	HR	Equipment Operator, Crane (Group 2-A).....	108.93
<p>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.</p>			
For Supervising Foreman, Add			5.45
For Apprentice, Deduct			-21.79
01 22 20 00-0013	HR	Equipment Operator, Crane (Group 3-A).....	106.66
<p>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.</p>			
01 22 20 00-0014	HR	Equipment Operator, Medium (Group 3) .....	106.15
<p>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.</p>			
For Supervising Foreman, Add			5.31
For Apprentice, Deduct			-21.23
01 22 20 00-0015	HR	Equipment Operator, Medium (Group 4) .....	104.31
<p>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.</p>			
01 22 20 00-0016	HR	Equipment Operator, Medium (Group 5) .....	102.64
<p>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.</p>			
01 22 20 00-0017	HR	Equipment Operator, Light (Group 6) .....	100.88
<p>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.</p>			
For Supervising Foreman, Add			5.04
For Apprentice, Deduct			-20.18
01 22 20 00-0018	HR	Equipment Operator, Light (Group 7) .....	99.38
<p>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.</p>			
01 22 20 00-0019	HR	Equipment Operator, Light (Group 8) .....	97.88
<p>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.</p>			

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0020	HR		Glazier .....	112.09	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Supervising Foreman, Add	5.60	
			For Apprentice, Deduct	-22.42	
01 22 20 00-0021	HR		Laborer .....	78.73	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0022	HR		Lather.....	103.33	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Supervising Foreman, Add	5.17	
			For Apprentice, Deduct	-20.67	
01 22 20 00-0023	HR		Marble Setter .....	109.51	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Supervising Foreman, Add	5.48	
			For Apprentice, Deduct	-21.90	
01 22 20 00-0024	HR		Millwright.....	105.83	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Supervising Foreman, Add	5.29	
			For Apprentice, Deduct	-21.17	
01 22 20 00-0025	HR		Mold Removal Worker .....	82.62	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Supervising Foreman, Add	4.13	
			For Apprentice, Deduct	-16.52	
01 22 20 00-0026	HR		Painter, .....	93.65	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Supervising Foreman, Add	4.68	
			For Apprentice, Deduct	-18.73	
01 22 20 00-0027	HR		Painter, Structural Steel .....	97.99	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Supervising Foreman, Add	4.90	
			For Apprentice, Deduct	-19.60	
01 22 20 00-0028	HR		Paperhanger .....	93.65	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Supervising Foreman, Add	4.68	
			For Apprentice, Deduct	-18.73	
01 22 20 00-0029	HR		Pile Drivers .....	124.17	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Supervising Foreman, Add	6.21	
			For Apprentice, Deduct	-24.83	
01 22 20 00-0030	HR		Plasterer .....	98.84	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Supervising Foreman, Add	4.94	
			For Apprentice, Deduct	-19.77	
01 22 20 00-0031	HR		Plumber .....	108.23	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Supervising Foreman, Add	5.41	
			For Apprentice, Deduct	-21.65	
01 22 20 00-0032	HR		Powderman.....	82.78	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Supervising Foreman, Add	4.14	
			For Apprentice, Deduct	-16.56	
01 22 20 00-0033	HR		Rodman (Reinforcing)/Ornamental Steel Worker.....	98.26	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Supervising Foreman, Add	4.91	
			For Apprentice, Deduct	-19.65	
01 22 20 00-0034	HR		Roofer, Composite .....	106.79	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Supervising Foreman, Add	5.34	
			For Apprentice, Deduct	-21.36	
01 22 20 00-0035	HR		Roofer, Metal .....	137.29	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Supervising Foreman, Add	6.86	
			For Apprentice, Deduct	-27.46	
01 22 20 00-0036	HR		Roofer, Tile/Slate .....	106.79	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Supervising Foreman, Add	5.34	
			For Apprentice, Deduct	-21.36	
01 22 20 00-0037	HR		Sheet Metal Worker .....	112.78	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Supervising Foreman, Add	5.64	
			For Apprentice, Deduct	-22.56	
01 22 20 00-0038	HR		Sprinkler Installer .....	82.85	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Supervising Foreman, Add	4.14	
			For Apprentice, Deduct	-16.57	
01 22 20 00-0039	HR		Steam / Pipe Fitter .....	108.23	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Supervising Foreman, Add	5.41	
			For Apprentice, Deduct	-21.65	
01 22 20 00-0040	HR		Stone Mason.....	98.11	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Supervising Foreman, Add	4.91	
			For Apprentice, Deduct	-19.62	
01 22 20 00-0041	HR		Iron Worker (Structural) .....	100.47	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Supervising Foreman, Add	5.02	
			For Apprentice, Deduct	-20.09	
01 22 20 00-0042	HR		Tile Layer .....	101.18	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Supervising Foreman, Add	5.06	
			For Apprentice, Deduct	-20.24	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 20 00-0043	HR	Terrazzo Worker .....	100.32	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Supervising Foreman, Add	5.02	
		For Apprentice, Deduct	-20.06	
01 22 20 00-0044	HR	Truck Driver, Light (Group 1) .....	83.85	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Supervising Foreman, Add	4.19	
		For Apprentice, Deduct	-16.77	
01 22 20 00-0045		<b>Rates For Services</b> <small>(01 22 20)</small>		
01 22 20 00-0046	HR	Watch/Guard Person, Unarmed .....	31.12	
01 22 20 00-0047	HR	Watch/Guard Person, Armed .....	38.55	
01 22 20 00-0048	HR	Senior Surveyor (Party Chief) .....	113.31	
01 22 20 00-0049	HR	Surveyor (Instrument person) .....	107.81	
01 22 20 00-0050	HR	Surveyor (Rod Person) .....	103.40	
01 22 20 00-0051	HR	On-Site Certified Materials Testing Technician .....	87.42	
01 22 20 00-0052	HR	Certified Industrial Hygienist .....	118.02	
01 22 20 00-0053	MI	Mileage For Professional Services (Engineering, Surveying, Etcetera) .....	0.56	
		Note: For use only when the Owner directs the contractor to use personnel whose base of operations is more than 100 miles from the site. Quantity shall be miles that exceed 100.		
01 22 20 00-0054	HR	Locksmith .....	0.00	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0055	HR	Fire Watch Laborer .....	78.73	
		Note: Fire watchers shall be required whenever welding or cutting is performed in locations where other than a minor fire might develop, or any of the following conditions exist: (1) Appreciable combustible material, in building construction or contents, closer than 35 feet (10.7 m) to the point of operation. (2) Appreciable combustibles are more than 35 feet (10.7 m) away but are easily ignited by sparks. (3) Wall or floor openings within a 35-foot (10.7 m) radius expose combustible material in adjacent areas including concealed spaces in walls or floors. (4) Combustible materials are adjacent to the opposite side of metal partitions, walls, ceilings, or roofs and are likely to be ignited by conduction or radiation.		
01 22 20 00-0056		<b>Rates For Architectural And Engineering Services</b> <small>(01 22 20)</small>		
		Note: For preparation of contract documents, structural and/or design drawings, special investigating requirements or services outside required architectural and engineering services.		
01 22 20 00-0057	HR	Principal Architect .....	212.52	
01 22 20 00-0058	HR	Senior Architect .....	187.22	
01 22 20 00-0059	HR	Architect .....	142.94	
01 22 20 00-0060	HR	Principal Engineer .....	212.52	
01 22 20 00-0061	HR	Senior Engineer .....	161.92	
01 22 20 00-0062	HR	Engineer .....	129.03	
01 22 20 00-0063	HR	Draft Person .....	76.53	
01 22 20 00-0064	HR	Project Manager .....	151.80	
01 22 20 00-0065		<b>Rates For Traffic Control</b> <small>(01 22 20)</small>		
01 22 20 00-0066	HR	Flagperson For Traffic Control .....	78.73	
01 22 20 00-0067		<b>Mobilize Equipment</b> <small>(01 22 20)</small>		
01 22 20 00-0068	HR	Escort Vehicle With Driver .....	90.00	
01 22 20 00-0069	HR	Transport Vehicle With Driver .....	126.12	
01 22 23		<b>Equipment Usage</b> <small>(01 22)</small>		
		Note: Includes fuel costs unless otherwise stated. These tasks shall be used for owned, leased or rented equipment. See CSI section 01 22 20 00-0065 for traffic control (where required), 01 71 13 00-0000 for equipment delivery, pickup, mobilization and demobilization.		
01 22 23 00-0001		<b>Aerial Equipment</b> <small>(01 22 23)</small>		
01 22 23 00-0002		<b>Man Lifts</b> <small>(01 22 23 00-0001)</small>		
		Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-0003		<b>Telescoping Boom Man Lifts With Platform</b> <small>(01 22 23 00-0002)</small>		
01 22 23 00-0004		<b>Engine Powered, Telescoping Boom Man Lifts With Platform</b> <small>(01 22 23 00-0003)</small>		
		Note: Diesel or dual fuel (gasoline or liquid propane gas). Two-wheel drive. For use on unpaved or paved surfaces.		
01 22 23 00-0005	DAY	40' Engine Powered, Telescoping Boom Man Lift With Platform .....	456.16	
		For Four-Wheel Drive, Add	102.64	
01 22 23 00-0006	WK	40' Engine Powered, Telescoping Boom Man Lift With Platform .....	1,147.77	
		For Four-Wheel Drive, Add	258.25	
01 22 23 00-0007	MO	40' Engine Powered, Telescoping Boom Man Lift With Platform .....	2,575.12	
		For Four-Wheel Drive, Add	579.40	
01 22 23 00-0008	DAY	60' Engine Powered, Telescoping Boom Man Lift With Platform .....	669.53	
		For Four-Wheel Drive, Add	150.64	
01 22 23 00-0009	WK	60' Engine Powered, Telescoping Boom Man Lift With Platform .....	1,596.58	
		For Four-Wheel Drive, Add	359.23	
01 22 23 00-0010	MO	60' Engine Powered, Telescoping Boom Man Lift With Platform .....	3,494.81	
		For Four-Wheel Drive, Add	786.33	
01 22 23 00-0011	DAY	80' Engine Powered, Telescoping Boom Man Lift With Platform .....	1,302.28	
		For Four-Wheel Drive, Add	293.01	
01 22 23 00-0012	WK	80' Engine Powered, Telescoping Boom Man Lift With Platform .....	3,156.37	
		For Four-Wheel Drive, Add	710.18	
01 22 23 00-0013	MO	80' Engine Powered, Telescoping Boom Man Lift With Platform .....	6,621.75	
		For Four-Wheel Drive, Add	1,489.89	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0014	DAY		110' Engine Powered, Telescoping Boom Man Lift With Platform <i>For Four-Wheel Drive, Add</i>	1,854.09 417.17	
01 22 23 00-0015	WK		110' Engine Powered, Telescoping Boom Man Lift With Platform <i>For Four-Wheel Drive, Add</i>	4,464.53 1,004.52	
01 22 23 00-0016	MO		110' Engine Powered, Telescoping Boom Man Lift With Platform <i>For Four-Wheel Drive, Add</i>	11,124.54 2,503.02	
01 22 23 00-0017	DAY		120' Engine Powered, Telescoping Boom Man Lift With Platform <i>For Four-Wheel Drive, Add</i>	2,258.75 508.22	
01 22 23 00-0018	WK		120' Engine Powered, Telescoping Boom Man Lift With Platform <i>For Four-Wheel Drive, Add</i>	5,760.92 1,296.21	
01 22 23 00-0019	MO		120' Engine Powered, Telescoping Boom Man Lift With Platform <i>For Four-Wheel Drive, Add</i>	13,096.35 2,946.68	
01 22 23 00-0020			<b>Articulating (Up/Over) Boom Man Lifts With Platform</b> (01 22 23 00-0002)		
01 22 23 00-0021			<b>Engine Powered, Articulating (Up/Over) Boom Man Lifts With Platform</b> (01 22 23 00-0020)		
			Note: Diesel or dual fuel (gasoline or liquid propane gas). Four-wheel drive. For use on unpaved or paved surfaces.		
01 22 23 00-0022	DAY		34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	395.42	
01 22 23 00-0023	WK		34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	992.15	
01 22 23 00-0024	MO		34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,386.91	
01 22 23 00-0025	DAY		45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	503.26	
01 22 23 00-0026	WK		45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,099.99	
01 22 23 00-0027	MO		45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,730.57	
01 22 23 00-0028	DAY		60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	647.06	
01 22 23 00-0029	WK		60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,495.42	
01 22 23 00-0030	MO		60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	3,343.12	
01 22 23 00-0031	DAY		80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,128.75	
01 22 23 00-0032	WK		80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,660.12	
01 22 23 00-0033	MO		80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	6,469.11	
01 22 23 00-0034	DAY		125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,192.80	
01 22 23 00-0035	WK		125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	5,176.44	
01 22 23 00-0036	MO		125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	12,653.52	
01 22 23 00-0037			<b>Electric, Articulating (Up/Over) Boom Man Lifts With Platform</b> (01 22 23 00-0020)		
			Note: For use on paved surfaces.		
01 22 23 00-0038	DAY		30' Electric, Articulating (Up/Over) Boom Man Lift With Platform	395.42	
01 22 23 00-0039	WK		30' Electric, Articulating (Up/Over) Boom Man Lift With Platform	992.15	
01 22 23 00-0040	MO		30' Electric, Articulating (Up/Over) Boom Man Lift With Platform	2,386.91	
01 22 23 00-0041	DAY		35' Electric, Articulating (Up/Over) Boom Man Lift With Platform	395.42	
01 22 23 00-0042	WK		35' Electric, Articulating (Up/Over) Boom Man Lift With Platform	992.15	
01 22 23 00-0043	MO		35' Electric, Articulating (Up/Over) Boom Man Lift With Platform	2,386.91	
01 22 23 00-0044	DAY		40' Electric, Articulating (Up/Over) Boom Man Lift With Platform	488.89	
01 22 23 00-0045	WK		40' Electric, Articulating (Up/Over) Boom Man Lift With Platform	1,056.86	
01 22 23 00-0046	MO		40' Electric, Articulating (Up/Over) Boom Man Lift With Platform	2,624.17	
01 22 23 00-0047	DAY		45' Electric, Articulating (Up/Over) Boom Man Lift With Platform	488.89	
01 22 23 00-0048	WK		45' Electric, Articulating (Up/Over) Boom Man Lift With Platform	1,056.86	
01 22 23 00-0049	MO		45' Electric, Articulating (Up/Over) Boom Man Lift With Platform	2,624.17	
01 22 23 00-0050			<b>Platform Lifts</b> (01 22 23 00-0001)		
			Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-0051			<b>Electric, Scissor Platform Lifts</b> (01 22 23 00-0050)		
			Note: For use on paved surfaces.		
01 22 23 00-0052	DAY		17' Electric, Scissor Platform Lift	161.56	
01 22 23 00-0053	WK		17' Electric, Scissor Platform Lift	323.11	
01 22 23 00-0054	MO		17' Electric, Scissor Platform Lift	660.92	
01 22 23 00-0055	DAY		20' Electric, Scissor Platform Lift	176.24	
01 22 23 00-0056	WK		20' Electric, Scissor Platform Lift	352.49	
01 22 23 00-0057	MO		20' Electric, Scissor Platform Lift	704.98	
01 22 23 00-0058	DAY		25' Electric, Scissor Platform Lift	227.65	
01 22 23 00-0059	WK		25' Electric, Scissor Platform Lift	455.30	
01 22 23 00-0060	MO		25' Electric, Scissor Platform Lift	976.69	
01 22 23 00-0061	DAY		30' Electric, Scissor Platform Lift	293.74	
01 22 23 00-0062	WK		30' Electric, Scissor Platform Lift	580.14	
01 22 23 00-0063	MO		30' Electric, Scissor Platform Lift	1,285.11	
01 22 23 00-0064	DAY		33' Electric, Scissor Platform Lift	315.77	
01 22 23 00-0065	WK		33' Electric, Scissor Platform Lift	616.85	
01 22 23 00-0066	MO		33' Electric, Scissor Platform Lift	1,395.26	
01 22 23 00-0067	DAY		40' Electric, Scissor Platform Lift	411.24	
01 22 23 00-0068	WK		40' Electric, Scissor Platform Lift	1,020.75	
01 22 23 00-0069	MO		40' Electric, Scissor Platform Lift	2,841.93	
01 22 23 00-0070			<b>Engine Powered, Scissor Platform Lifts</b> (01 22 23 00-0050)		
			Note: Diesel or dual fuel (gasoline or liquid propane gas). Two-wheel drive. For use on unpaved or paved surfaces.		
01 22 23 00-0071	DAY		25' Engine Powered, Scissor Platform Lift <i>For Four-Wheel Drive, Add</i>	406.71 81.34	
01 22 23 00-0072	WK		25' Engine Powered, Scissor Platform Lift <i>For Four-Wheel Drive, Add</i>	795.34 159.07	
01 22 23 00-0073	MO		25' Engine Powered, Scissor Platform Lift <i>For Four-Wheel Drive, Add</i>	1,943.17 386.63	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0074	DAY 33' Engine Powered, Scissor Platform Lift..... <i>For Four-Wheel Drive, Add</i>	415.75 83.15	
01 22 23 00-0075	WK 33' Engine Powered, Scissor Platform Lift..... <i>For Four-Wheel Drive, Add</i>	948.99 169.80	
01 22 23 00-0076	MO 33' Engine Powered, Scissor Platform Lift..... <i>For Four-Wheel Drive, Add</i>	2,078.74 415.75	
01 22 23 00-0077	DAY 40' Engine Powered, Scissor Platform Lift..... <i>For Four-Wheel Drive, Add</i>	460.94 92.19	
01 22 23 00-0078	WK 40' Engine Powered, Scissor Platform Lift..... <i>For Four-Wheel Drive, Add</i>	1,057.45 211.49	
01 22 23 00-0079	MO 40' Engine Powered, Scissor Platform Lift..... <i>For Four-Wheel Drive, Add</i>	2,349.88 469.98	
01 22 23 00-0080	DAY 43' Engine Powered, Scissor Platform Lift..... <i>For Four-Wheel Drive, Add</i>	488.05 97.61	
01 22 23 00-0081	WK 43' Engine Powered, Scissor Platform Lift..... <i>For Four-Wheel Drive, Add</i>	1,138.79 227.76	
01 22 23 00-0082	MO 43' Engine Powered, Scissor Platform Lift..... <i>For Four-Wheel Drive, Add</i>	2,801.78 560.36	
01 22 23 00-0083	DAY 50' Engine Powered, Scissor Platform Lift..... <i>For Four-Wheel Drive, Add</i>	912.84 182.57	
01 22 23 00-0084	WK 50' Engine Powered, Scissor Platform Lift..... <i>For Four-Wheel Drive, Add</i>	2,006.44 401.29	
01 22 23 00-0085	MO 50' Engine Powered, Scissor Platform Lift..... <i>For Four-Wheel Drive, Add</i>	4,934.75 986.95	

**01 22 23 00-0086 Personnel Lifts** (01 22 23 00-0001)

Note: Includes delivery to job site and pick-up when complete. Excludes operator. For use on paved surfaces.

01 22 23 00-0087	DAY 24', Push-Type, Electric Single Man Personnel Lift.....	153.69	
01 22 23 00-0088	WK 24', Push-Type, Electric Single Man Personnel Lift.....	435.46	
01 22 23 00-0089	MO 24', Push-Type, Electric Single Man Personnel Lift.....	879.47	
01 22 23 00-0090	DAY 30', Push-Type, Electric Single Man Personnel Lift.....	213.46	
01 22 23 00-0091	WK 30', Push-Type, Electric Single Man Personnel Lift.....	452.54	
01 22 23 00-0092	MO 30', Push-Type, Electric Single Man Personnel Lift.....	1,536.93	
01 22 23 00-0093	DAY 36', Push-Type, Electric Single Man Personnel Lift.....	358.62	
01 22 23 00-0094	WK 36', Push-Type, Electric Single Man Personnel Lift.....	870.93	
01 22 23 00-0095	MO 36', Push-Type, Electric Single Man Personnel Lift.....	2,544.47	
01 22 23 00-0096	DAY 40', Push-Type, Electric Single Man Personnel Lift.....	384.23	
01 22 23 00-0097	WK 40', Push-Type, Electric Single Man Personnel Lift.....	956.31	
01 22 23 00-0098	MO 40', Push-Type, Electric Single Man Personnel Lift.....	2,877.47	
01 22 23 00-0099	DAY 15', Self-Propelled, Electric Single Man Personnel Lift.....	204.92	
01 22 23 00-0100	WK 15', Self-Propelled, Electric Single Man Personnel Lift.....	409.85	
01 22 23 00-0101	MO 15', Self-Propelled, Electric Single Man Personnel Lift.....	819.70	
01 22 23 00-0102	DAY 20', Self-Propelled, Electric Single Man Personnel Lift.....	204.92	
01 22 23 00-0103	WK 20', Self-Propelled, Electric Single Man Personnel Lift.....	409.85	
01 22 23 00-0104	MO 20', Self-Propelled, Electric Single Man Personnel Lift.....	852.14	

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

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

01 22 23 00-0106	DAY 29' Bucket Truck With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	1,206.12 -677.68	
01 22 23 00-0107	WK 29' Bucket Truck With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	4,973.73 -3,388.41	
01 22 23 00-0108	MO 29' Bucket Truck With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	18,718.48 -14,683.12	
01 22 23 00-0109	DAY 38' Bucket Truck With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	1,273.38 -677.68	
01 22 23 00-0110	WK 38' Bucket Truck With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	5,189.91 -3,388.41	
01 22 23 00-0111	MO 38' Bucket Truck With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	19,294.96 -14,683.12	
01 22 23 00-0112	DAY 48' Bucket Truck With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	1,446.32 -677.68	
01 22 23 00-0113	WK 48' Bucket Truck With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	5,502.17 -3,388.41	
01 22 23 00-0114	MO 48' Bucket Truck With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	19,967.52 -14,683.12	
01 22 23 00-0115	DAY 62' Bucket Truck With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	1,830.64 -677.68	
01 22 23 00-0116	WK 62' Bucket Truck With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	6,751.21 -3,388.41	
01 22 23 00-0117	MO 62' Bucket Truck With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	23,330.32 -14,683.12	
01 22 23 00-0118	DAY 85' Bucket Truck With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	2,022.80 -677.68	
01 22 23 00-0119	WK 85' Bucket Truck With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	7,423.77 -3,388.41	
01 22 23 00-0120	MO 85' Bucket Truck With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	25,732.32 -14,683.12	
01 22 23 00-0121	Day 105' Bucket Truck With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	2,118.88 -677.68	
01 22 23 00-0122	WK 105' Bucket Truck With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	7,712.01 -3,388.41	
01 22 23 00-0123	MO 105' Bucket Truck With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	25,962.91 -14,683.12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 01 22 23 00-0124 Air Equipment (01 22 23)

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

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

01 22 23 00-0126	DAY	100 CFM Diesel Powered Portable Air Compressor	167.64	
01 22 23 00-0127	WK	100 CFM Diesel Powered Portable Air Compressor	502.92	
01 22 23 00-0128	MO	100 CFM Diesel Powered Portable Air Compressor	1,397.00	
01 22 23 00-0129	DAY	130 CFM Diesel Powered Portable Air Compressor	201.17	
01 22 23 00-0130	WK	130 CFM Diesel Powered Portable Air Compressor	592.33	
01 22 23 00-0131	MO	130 CFM Diesel Powered Portable Air Compressor	1,676.40	
01 22 23 00-0132	DAY	185 CFM Diesel Powered Portable Air Compressor	268.22	
01 22 23 00-0133	WK	185 CFM Diesel Powered Portable Air Compressor	603.50	
01 22 23 00-0134	MO	185 CFM Diesel Powered Portable Air Compressor	1,329.94	
01 22 23 00-0135	DAY	375 CFM Diesel Powered Portable Air Compressor	379.98	
01 22 23 00-0136	WK	375 CFM Diesel Powered Portable Air Compressor	961.14	
01 22 23 00-0137	MO	375 CFM Diesel Powered Portable Air Compressor	2,291.08	
01 22 23 00-0138	DAY	600 CFM Diesel Powered Portable Air Compressor	844.91	
01 22 23 00-0139	WK	600 CFM Diesel Powered Portable Air Compressor	2,034.03	
01 22 23 00-0140	MO	600 CFM Diesel Powered Portable Air Compressor	5,069.43	
01 22 23 00-0141	DAY	750 CFM Diesel Powered Portable Air Compressor	1,017.02	
01 22 23 00-0142	WK	750 CFM Diesel Powered Portable Air Compressor	2,503.42	
01 22 23 00-0143	MO	750 CFM Diesel Powered Portable Air Compressor	6,146.80	
01 22 23 00-0144	DAY	825 CFM Diesel Powered Portable Air Compressor	1,017.02	
01 22 23 00-0145	WK	825 CFM Diesel Powered Portable Air Compressor	2,503.42	
01 22 23 00-0146	MO	825 CFM Diesel Powered Portable Air Compressor	6,146.80	
01 22 23 00-0147	DAY	1,300 CFM Diesel Powered Portable Air Compressor	1,184.66	
01 22 23 00-0148	WK	1,300 CFM Diesel Powered Portable Air Compressor	2,655.42	
01 22 23 00-0149	MO	1,300 CFM Diesel Powered Portable Air Compressor	7,081.11	
01 22 23 00-0150	DAY	1,600 CFM Diesel Powered Portable Air Compressor	1,475.23	
01 22 23 00-0151	WK	1,600 CFM Diesel Powered Portable Air Compressor	3,319.27	
01 22 23 00-0152	MO	1,600 CFM Diesel Powered Portable Air Compressor	8,851.39	

## 01 22 23 00-0153 Portable Negative Air Machines (01 22 23 00-0124)

Note: A Negative Air Machine is used in a sealed containment area to filter air and exhaust the filtered air through ducting to a location outside the sealed containment area. Includes delivery to job site and pick-up when complete. Excludes all filters and duct.

01 22 23 00-0154	DAY	Up To 2,000 CFM, Portable Negative Air Machine	81.38	
01 22 23 00-0155	WK	Up To 2,000 CFM, Portable Negative Air Machine	334.24	
01 22 23 00-0156	MO	Up To 2,000 CFM, Portable Negative Air Machine	1,009.97	
01 22 23 00-0157	EA	Replacement Prefilter, Dual Ply Polyester Pad For Negative Air Machine	24.75	
01 22 23 00-0158	EA	First Stage Pre-Filter For Portable Negative Air Machines	14.02	
01 22 23 00-0159	EA	Second Stage Pre-Filter For Portable Negative Air Machines	33.32	
01 22 23 00-0160	EA	High Efficiency Particulate Air (HEPA) Filter, 99.99% Efficient At 0.3 Micron For Portable Negative Air Machines	175.50	
		Note: For use on monthly rental units over three months		
01 22 23 00-0161	LF	Flexible Exhaust Duct For Portable Negative Air Machines	1.38	
01 22 23 00-0162	EA	Move Negative Air Equipment And Discharge Duct	31.73	

## 01 22 23 00-0163 Portable Air Scrubbers (01 22 23 00-0124)

Note: A Portable Air Scrubber filters and recirculates the filtered air into the same space and does not use ducting to exhaust the filtered air to a different location. Includes delivery to job site and pick-up when complete. Excludes all filters.

01 22 23 00-0164	DAY	Up To 1,000 CFM, Portable Air Scrubber	84.29	
01 22 23 00-0165	WK	Up To 1,000 CFM, Portable Air Scrubber	350.38	
01 22 23 00-0166	MO	Up To 1,000 CFM, Portable Air Scrubber	969.90	
01 22 23 00-0167	DAY	>1,000 to 2,000 CFM, Portable Air Scrubber	106.64	
01 22 23 00-0168	WK	>1,000 to 2,000 CFM, Portable Air Scrubber	441.79	
01 22 23 00-0169	MO	>1,000 to 2,000 CFM, Portable Air Scrubber	1,294.89	
01 22 23 00-0170	DAY	>2,000 To 5,000 CFM, Portable Air Scrubber	137.11	
01 22 23 00-0171	WK	>2,000 To 5,000 CFM, Portable Air Scrubber	583.97	
01 22 23 00-0172	MO	>2,000 To 5,000 CFM, Portable Air Scrubber	1,635.12	
01 22 23 00-0173	EA	First Stage Pre-Filter For Portable Air Scrubbers	20.12	
01 22 23 00-0174	EA	Second Stage Pre-Filter For Portable Air Scrubbers	28.24	
01 22 23 00-0175	EA	High Efficiency Particulate Air (HEPA) Filter, 99.99% Efficient At 0.3 Micron For Portable Air Scrubbers	297.38	

## 01 22 23 00-0176 Compaction And Paving Equipment (01 22 23)

## 01 22 23 00-0177 Pavers And Rollers (01 22 23 00-0176)

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

## 01 22 23 00-0178 Pavers (01 22 23 00-0177)

01 22 23 00-0179	DAY	10' Wide Paving Machine With Full-Time Operator	3,264.20	
		For Equipment Without Operator, Deduct	-849.21	
01 22 23 00-0180	WK	10' Wide Paving Machine With Full-Time Operator	13,906.04	
		For Equipment Without Operator, Deduct	-4,246.06	
01 22 23 00-0181	MO	10' Wide Paving Machine With Full-Time Operator	52,900.13	
		For Equipment Without Operator, Deduct	-18,399.61	

## 01 22 23 00-0182 Ride-On Self-Propelled, Rubber Tire Rollers (01 22 23 00-0177)

01 22 23 00-0183	DAY	10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	1,239.29	
		For Equipment Without Operator, Deduct	-849.21	
01 22 23 00-0184	WK	10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	5,425.88	
		For Equipment Without Operator, Deduct	-4,246.06	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0185	MO 10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator .....	21,602.37	
	<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
01 22 23 00-0186	DAY 15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator .....	1,389.85	
	<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0187	WK 15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator .....	6,548.48	
	<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0188	MO 15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator .....	23,292.71	
	<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
01 22 23 00-0189	DAY 30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator .....	1,396.69	
	<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0190	WK 30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator .....	6,100.65	
	<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0191	MO 30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator .....	23,621.20	
	<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
<b>01 22 23 00-0192</b>	<b>Ride-On Self-Propelled, Padfoot Rollers</b> <small>(01 22 23 00-0177)</small>		
01 22 23 00-0193	DAY 5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	1,300.88	
	<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0194	WK 5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	5,498.42	
	<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0195	MO 5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	22,019.82	
	<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
01 22 23 00-0196	DAY 8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	1,588.31	
	<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0197	WK 8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	6,080.12	
	<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0198	MO 8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	23,853.88	
	<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
01 22 23 00-0199	DAY 10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	1,656.74	
	<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0200	WK 10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	6,511.26	
	<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0201	MO 10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	25,058.34	
	<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
<b>01 22 23 00-0202</b>	<b>Towed, Padfoot Rollers</b> <small>(01 22 23 00-0177)</small>		
01 22 23 00-0203	DAY 48" Wide, 40" Diameter, Towed Padfoot Roller .....	130.03	
01 22 23 00-0204	WK 48" Wide, 40" Diameter, Towed Padfoot Roller .....	376.39	
01 22 23 00-0205	MO 48" Wide, 40" Diameter, Towed Padfoot Roller .....	1,108.65	
01 22 23 00-0206	DAY 60" Wide, 60" Diameter, Towed Padfoot Roller .....	164.24	
01 22 23 00-0207	WK 60" Wide, 60" Diameter, Towed Padfoot Roller .....	458.51	
01 22 23 00-0208	MO 60" Wide, 60" Diameter, Towed Padfoot Roller .....	1,950.40	
<b>01 22 23 00-0209</b>	<b>Static Rollers</b> <small>(01 22 23 00-0177)</small>		
01 22 23 00-0210	DAY 5 Ton, 2 Drum Articulated Roller With Full-Time Operator .....	1,335.10	
	<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0211	WK 5 Ton, 2 Drum Articulated Roller With Full-Time Operator .....	5,792.69	
	<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0212	MO 5 Ton, 2 Drum Articulated Roller With Full-Time Operator .....	22,984.75	
	<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
01 22 23 00-0213	DAY 8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator .....	1,485.66	
	<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0214	WK 8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator .....	6,203.30	
	<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0215	MO 8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator .....	24,120.78	
	<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
<b>01 22 23 00-0216</b>	<b>Ride-On Self-Propelled, Smooth Drum Vibratory Rollers</b> <small>(01 22 23 00-0177)</small>		
01 22 23 00-0217	DAY 1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	1,116.11	
	<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0218	WK 1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	5,026.22	
	<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0219	MO 1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	20,452.66	
	<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
01 22 23 00-0220	DAY 3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	1,218.76	
	<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0221	WK 3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	5,334.18	
	<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0222	MO 3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	21,273.88	
	<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
01 22 23 00-0223	DAY 5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	1,287.19	
	<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0224	WK 5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	5,539.48	
	<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0225	MO 5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	21,821.36	
	<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
01 22 23 00-0226	DAY 8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	1,376.16	
	<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0227	WK 8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	5,799.53	
	<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0228	MO 8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	22,498.87	
	<i>For Equipment Without Operator, Deduct</i>	-18,399.61	

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

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

01 22 23 00-0229	DAY	11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,554.09	
		<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0230	WK	11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,319.64	
		<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0231	MO	11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	23,874.41	
		<i>For Equipment Without Operator, Deduct</i>	-18,399.61	

**01 22 23 00-0232 Steel Roadway Plates** (01 22 23 00-0176)

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

01 22 23 00-0233	EA	Placement And Removal Of Steel Roadway Plates	52.13	
01 22 23 00-0234	DAY	1" x 4' x 8' Steel Plate	37.51	
01 22 23 00-0235	WK	1" x 4' x 8' Steel Plate	88.56	
01 22 23 00-0236	MO	1" x 4' x 8' Steel Plate	116.55	
01 22 23 00-0237	DAY	1" x 4' x 10' Steel Plate	50.01	
01 22 23 00-0238	WK	1" x 4' x 10' Steel Plate	112.53	
01 22 23 00-0239	MO	1" x 4' x 10' Steel Plate	137.53	
01 22 23 00-0240	DAY	1" x 5' x 10' Steel Plate	52.10	
01 22 23 00-0241	WK	1" x 5' x 10' Steel Plate	117.73	
01 22 23 00-0242	MO	1" x 5' x 10' Steel Plate	312.57	
01 22 23 00-0243	DAY	1" x 6' x 8' Steel Plate	33.34	
01 22 23 00-0244	WK	1" x 6' x 8' Steel Plate	75.02	
01 22 23 00-0245	MO	1" x 6' x 8' Steel Plate	200.04	
01 22 23 00-0246	DAY	1" x 6' x 10' Steel Plate	62.51	
01 22 23 00-0247	WK	1" x 6' x 10' Steel Plate	82.31	
01 22 23 00-0248	MO	1" x 6' x 10' Steel Plate	219.84	
01 22 23 00-0249	DAY	1" x 6' x 12' Steel Plate	87.52	
01 22 23 00-0250	WK	1" x 6' x 12' Steel Plate	112.00	
01 22 23 00-0251	MO	1" x 6' x 12' Steel Plate	303.19	
01 22 23 00-0252	DAY	1" x 8' x 10' Steel Plate	55.22	
01 22 23 00-0253	WK	1" x 8' x 10' Steel Plate	123.99	
01 22 23 00-0254	MO	1" x 8' x 10' Steel Plate	330.28	
01 22 23 00-0255	DAY	1" x 8' x 12' Steel Plate	100.02	
01 22 23 00-0256	WK	1" x 8' x 12' Steel Plate	123.99	
01 22 23 00-0257	MO	1" x 8' x 12' Steel Plate	600.13	
01 22 23 00-0258	DAY	1" x 8' x 16' Steel Plate	133.36	
01 22 23 00-0259	WK	1" x 8' x 16' Steel Plate	300.07	
01 22 23 00-0260	MO	1" x 8' x 16' Steel Plate	800.18	
01 22 23 00-0261	LF	Cold Mix For Temporary Ramp Base, 6" At Edge Of Trench Plate	2.16	0.97
01 22 23 00-0262	EA	Removal And Resetting Of Steel Roadway Plate	28.96	

**01 22 23 00-0263 Street Sweepers** (01 22 23 00-0176)

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

01 22 23 00-0264	DAY	8' Road Broom, Self Propelled Street Sweeper With Full-Time Operator	1,001.55	
		<i>For Equipment Without Operator, Deduct</i>	-807.07	
01 22 23 00-0265	WK	8' Road Broom, Self Propelled Street Sweeper With Full-Time Operator	4,805.98	
		<i>For Equipment Without Operator, Deduct</i>	-4,035.33	
01 22 23 00-0266	MO	8' Road Broom, Self Propelled Street Sweeper With Full-Time Operator	20,232.07	
		<i>For Equipment Without Operator, Deduct</i>	-17,486.42	
01 22 23 00-0267	DAY	Self-Propelled Street Sweeper With Hopper And Full-Time Operator	1,728.48	
		Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.		
		<i>For Equipment Without Operator, Deduct</i>	-807.07	
01 22 23 00-0268	WK	Self-Propelled Street Sweeper With Hopper And Full-Time Operator	7,726.07	
		Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.		
		<i>For Equipment Without Operator, Deduct</i>	-4,035.33	
01 22 23 00-0269	MO	Self-Propelled Street Sweeper With Hopper And Full-Time Operator	30,657.77	
		Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.		
		<i>For Equipment Without Operator, Deduct</i>	-17,486.42	

**01 22 23 00-0270 Earthmoving Equipment** (01 22 23)

**01 22 23 00-0271 Skid-Steer Loaders** (01 22 23 00-0270)

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

01 22 23 00-0272	DAY	700 LB Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator	1,190.57	
		<i>For Equipment Without Operator, Deduct</i>	-807.07	
01 22 23 00-0273	WK	700 LB Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator	5,041.41	
		<i>For Equipment Without Operator, Deduct</i>	-4,035.33	
01 22 23 00-0274	MO	700 LB Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator	19,909.37	
		<i>For Equipment Without Operator, Deduct</i>	-17,486.42	
01 22 23 00-0275	DAY	1,500 LB Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator	1,291.66	
		<i>For Equipment Without Operator, Deduct</i>	-807.07	
01 22 23 00-0276	WK	1,500 LB Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator	5,224.34	
		<i>For Equipment Without Operator, Deduct</i>	-4,035.33	
01 22 23 00-0277	MO	1,500 LB Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator	20,310.52	
		<i>For Equipment Without Operator, Deduct</i>	-17,486.42	
01 22 23 00-0278	DAY	2,400 LB Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator	1,320.54	
		<i>For Equipment Without Operator, Deduct</i>	-807.07	
01 22 23 00-0279	WK	2,400 LB Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator	5,487.49	
		<i>For Equipment Without Operator, Deduct</i>	-4,035.33	
01 22 23 00-0280	MO	2,400 LB Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator	21,008.52	
		<i>For Equipment Without Operator, Deduct</i>	-17,486.42	
01 22 23 00-0281	DAY	2,500 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	1,432.86	
		<i>For Equipment Without Operator, Deduct</i>	-807.07	
01 22 23 00-0282	WK	2,500 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	5,856.55	
		<i>For Equipment Without Operator, Deduct</i>	-4,035.33	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0283	MO		2,500 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	22,228.01 -17,486.42	
01 22 23 00-0284	DAY		3,000 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,625.42 -807.07	
01 22 23 00-0285	WK		3,000 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	6,586.64 -4,035.33	
01 22 23 00-0286	MO		3,000 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	24,025.16 -17,486.42	
01 22 23 00-0287	DAY		Hydraulic Hammer Attachment For Skid-Steer Loaders	320.92	
01 22 23 00-0288	WK		Hydraulic Hammer Attachment For Skid-Steer Loaders	1,067.06	
01 22 23 00-0289	MO		Hydraulic Hammer Attachment For Skid-Steer Loaders	2,840.14	
01 22 23 00-0290	DAY		Forklift Attachment For Skid-Steer Loaders	69.00	
01 22 23 00-0291	WK		Forklift Attachment For Skid-Steer Loaders	184.53	
01 22 23 00-0292	MO		Forklift Attachment For Skid-Steer Loaders	521.50	
01 22 23 00-0293	DAY		Backhoe Attachment For Skid-Steer Loaders	152.44	
01 22 23 00-0294	WK		Backhoe Attachment For Skid-Steer Loaders	365.85	
01 22 23 00-0295	MO		Backhoe Attachment For Skid-Steer Loaders	909.81	
01 22 23 00-0296	DAY		Broom Attachment For Skid-Steer Loaders	150.83	
01 22 23 00-0297	WK		Broom Attachment For Skid-Steer Loaders	409.17	
01 22 23 00-0298	MO		Broom Attachment For Skid-Steer Loaders	1,083.10	
01 22 23 00-0299	DAY		Auger Attachment (Excludes Bits And Extensions) For Skid-Steer Loaders	131.58	
01 22 23 00-0300	WK		Auger Attachment (Excludes Bits And Extensions) For Skid-Steer Loaders	362.64	
01 22 23 00-0301	MO		Auger Attachment (Excludes Bits And Extensions) For Skid-Steer Loaders	990.04	
01 22 23 00-0302	DAY		Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	36.26	
01 22 23 00-0303	WK		Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	94.88	
01 22 23 00-0304	MO		Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	279.06	
01 22 23 00-0305	DAY		>18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	48.83	
01 22 23 00-0306	WK		>18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	121.39	
01 22 23 00-0307	MO		>18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	362.78	
01 22 23 00-0308	DAY		Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	71.15	
01 22 23 00-0309	WK		Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	216.28	
01 22 23 00-0310	MO		Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	641.84	
01 22 23 00-0311	DAY		2' Length, Auger Bit Extension For Skid-Steer Mounted Augers (Excludes Auger)	14.44	
01 22 23 00-0312	WK		2' Length, Auger Bit Extension For Skid-Steer Mounted Augers (Excludes Auger)	33.70	
01 22 23 00-0313	MO		2' Length, Auger Bit Extension For Skid-Steer Mounted Augers (Excludes Auger)	89.86	

### 01 22 23 00-0314 **Bulldozers** (01 22 23 00-0270)

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

01 22 23 00-0315	DAY		70 HP, D3 Bulldozer With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,264.73 -849.21	
01 22 23 00-0316	WK		70 HP, D3 Bulldozer With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	5,884.62 -4,246.06	
01 22 23 00-0317	MO		70 HP, D3 Bulldozer With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	23,260.41 -18,399.61	
01 22 23 00-0318	DAY		90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,460.73 -849.21	
01 22 23 00-0319	WK		90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	6,676.46 -4,246.06	
01 22 23 00-0320	MO		90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	25,690.81 -18,399.61	
01 22 23 00-0321	DAY		140 HP, D6 Bulldozer With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	2,017.37 -849.21	
01 22 23 00-0322	WK		140 HP, D6 Bulldozer With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	8,903.02 -4,246.06	
01 22 23 00-0323	MO		140 HP, D6 Bulldozer With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	32,354.81 -18,399.61	
01 22 23 00-0324	DAY		200 HP, D7 Bulldozer With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	2,511.29 -849.21	
01 22 23 00-0325	WK		200 HP, D7 Bulldozer With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	10,886.54 -4,246.06	
01 22 23 00-0326	MO		200 HP, D7 Bulldozer With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	38,313.21 -18,399.61	
01 22 23 00-0327	DAY		335 HP, D8 Bulldozer With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	3,099.29 -849.21	
01 22 23 00-0328	WK		335 HP, D8 Bulldozer With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	13,238.54 -4,246.06	
01 22 23 00-0329	MO		335 HP, D8 Bulldozer With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	45,369.21 -18,399.61	
01 22 23 00-0330	DAY		460 HP, D9 Bulldozer With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	3,428.57 -849.21	
01 22 23 00-0331	WK		460 HP, D9 Bulldozer With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	14,547.82 -4,246.06	
01 22 23 00-0332	MO		460 HP, D9 Bulldozer With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	49,289.21 -18,399.61	

### 01 22 23 00-0333 **Hydraulic Excavators** (01 22 23 00-0270)

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

01 22 23 00-0334	DAY		3/8 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,215.82 -849.21	
01 22 23 00-0335	WK		3/8 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	5,542.76 -4,246.06	
01 22 23 00-0336	MO		3/8 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	22,744.57 -18,399.61	
01 22 23 00-0337	DAY		1/2 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,319.01 -849.21	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0338	WK	1/2 CY	Hydraulic Excavator With Full-Time Operator	5,997.62	
			<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0339	MO	1/2 CY	Hydraulic Excavator With Full-Time Operator	24,564.02	
			<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
01 22 23 00-0340	DAY	5/8 CY	Hydraulic Excavator With Full-Time Operator	1,351.60	
			<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0341	WK	5/8 CY	Hydraulic Excavator With Full-Time Operator	6,167.35	
			<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0342	MO	5/8 CY	Hydraulic Excavator With Full-Time Operator	24,862.74	
			<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
01 22 23 00-0343	DAY	3/4 CY	Hydraulic Excavator With Full-Time Operator	1,385.54	
			<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0344	WK	3/4 CY	Hydraulic Excavator With Full-Time Operator	6,323.49	
			<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0345	MO	3/4 CY	Hydraulic Excavator With Full-Time Operator	25,161.45	
			<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
01 22 23 00-0346	DAY	7/8 To 1 CY	Hydraulic Excavator With Full-Time Operator	1,412.70	
			<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0347	WK	7/8 To 1 CY	Hydraulic Excavator With Full-Time Operator	6,486.43	
			<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0348	MO	7/8 To 1 CY	Hydraulic Excavator With Full-Time Operator	25,460.17	
			<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
01 22 23 00-0349	DAY	1-1/8 To 1-1/4 CY	Hydraulic Excavator With Full-Time Operator	1,779.30	
			<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0350	WK	1-1/8 To 1-1/4 CY	Hydraulic Excavator With Full-Time Operator	7,946.06	
			<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0351	MO	1-1/8 To 1-1/4 CY	Hydraulic Excavator With Full-Time Operator	29,499.63	
			<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
01 22 23 00-0352	DAY	1-3/8 To 1-1/2 CY	Hydraulic Excavator With Full-Time Operator	1,833.61	
			<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0353	WK	1-3/8 To 1-1/2 CY	Hydraulic Excavator With Full-Time Operator	8,183.68	
			<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0354	MO	1-3/8 To 1-1/2 CY	Hydraulic Excavator With Full-Time Operator	30,212.47	
			<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
01 22 23 00-0355	DAY	1-5/8 To 1-7/8 CY	Hydraulic Excavator With Full-Time Operator	1,935.45	
			<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0356	WK	1-5/8 To 1-7/8 CY	Hydraulic Excavator With Full-Time Operator	8,591.02	
			<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0357	MO	1-5/8 To 1-7/8 CY	Hydraulic Excavator With Full-Time Operator	31,434.49	
			<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
01 22 23 00-0358	DAY	2 To 2-3/8 CY	Hydraulic Excavator With Full-Time Operator	2,050.86	
			<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0359	WK	2 To 2-3/8 CY	Hydraulic Excavator With Full-Time Operator	9,045.88	
			<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0360	MO	2 To 2-3/8 CY	Hydraulic Excavator With Full-Time Operator	32,792.29	
			<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
01 22 23 00-0361	DAY	2-1/2 To 2-7/8 CY	Hydraulic Excavator With Full-Time Operator	2,084.81	
			<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0362	WK	2-1/2 To 2-7/8 CY	Hydraulic Excavator With Full-Time Operator	9,181.66	
			<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0363	MO	2-1/2 To 2-7/8 CY	Hydraulic Excavator With Full-Time Operator	33,199.63	
			<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
01 22 23 00-0364	DAY	3 To 3-3/4 CY	Hydraulic Excavator With Full-Time Operator	2,410.68	
			<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0365	WK	3 To 3-3/4 CY	Hydraulic Excavator With Full-Time Operator	10,491.94	
			<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0366	MO	3 To 3-3/4 CY	Hydraulic Excavator With Full-Time Operator	37,137.25	
			<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
01 22 23 00-0367	DAY	4 To 5-3/4 CY	Hydraulic Excavator With Full-Time Operator	2,879.12	
			<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0368	WK	4 To 5-3/4 CY	Hydraulic Excavator With Full-Time Operator	12,352.13	
			<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0369	MO	4 To 5-3/4 CY	Hydraulic Excavator With Full-Time Operator	42,704.23	
			<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
01 22 23 00-0370	DAY		Thumbs Or Grapple Attachment For Hydraulic Excavators	95.05	
01 22 23 00-0371	WK		Thumbs Or Grapple Attachment For Hydraulic Excavators	366.61	
01 22 23 00-0372	MO		Thumbs Or Grapple Attachment For Hydraulic Excavators	1,086.24	
01 22 23 00-0373	DAY	1,000 Ft-Lb	Hydraulic Hammer Attachment For Hydraulic Excavators	420.92	
01 22 23 00-0374	WK	1,000 Ft-Lb	Hydraulic Hammer Attachment For Hydraulic Excavators	1,113.40	
01 22 23 00-0375	MO	1,000 Ft-Lb	Hydraulic Hammer Attachment For Hydraulic Excavators	3,116.15	
01 22 23 00-0376	DAY	1,500 Ft-Lb	Hydraulic Hammer Attachment For Hydraulic Excavators	651.74	
01 22 23 00-0377	WK	1,500 Ft-Lb	Hydraulic Hammer Attachment For Hydraulic Excavators	1,663.30	
01 22 23 00-0378	MO	1,500 Ft-Lb	Hydraulic Hammer Attachment For Hydraulic Excavators	4,324.59	
01 22 23 00-0379	DAY	3,000 Ft-Lb	Hydraulic Hammer Attachment For Hydraulic Excavators	909.73	
01 22 23 00-0380	WK	3,000 Ft-Lb	Hydraulic Hammer Attachment For Hydraulic Excavators	2,450.83	
01 22 23 00-0381	MO	3,000 Ft-Lb	Hydraulic Hammer Attachment For Hydraulic Excavators	6,870.47	
01 22 23 00-0382	DAY	24"	Compaction Wheel Attachment For Hydraulic Excavators	190.09	
01 22 23 00-0383	WK	24"	Compaction Wheel Attachment For Hydraulic Excavators	760.37	
01 22 23 00-0384	MO	24"	Compaction Wheel Attachment For Hydraulic Excavators	2,281.10	
01 22 23 00-0385	DAY	36"	Compaction Wheel Attachment For Hydraulic Excavators	271.56	
01 22 23 00-0386	WK	36"	Compaction Wheel Attachment For Hydraulic Excavators	1,086.24	
01 22 23 00-0387	MO	36"	Compaction Wheel Attachment For Hydraulic Excavators	3,258.72	
01 22 23 00-0388	DAY	48"	Compaction Wheel Attachment For Hydraulic Excavators	298.72	
01 22 23 00-0389	WK	48"	Compaction Wheel Attachment For Hydraulic Excavators	1,181.29	
01 22 23 00-0390	MO	48"	Compaction Wheel Attachment For Hydraulic Excavators	3,530.28	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0391 Mini-Excavators <small>(01 22 23 00-0270)</small>					
Note: Includes full-time operator. Excludes delivery, set-up, and removal.					
01 22 23 00-0392	DAY		2,000 LB Mini-Excavator With Full-Time Operator.....	1,134.35	
			<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0393	WK		2,000 LB Mini-Excavator With Full-Time Operator.....	5,053.95	
			<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0394	MO		2,000 LB Mini-Excavator With Full-Time Operator.....	20,178.33	
			<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
01 22 23 00-0395	DAY		3,500 LB Mini-Excavator With Full-Time Operator.....	1,141.14	
			<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0396	WK		3,500 LB Mini-Excavator With Full-Time Operator.....	5,074.32	
			<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0397	MO		3,500 LB Mini-Excavator With Full-Time Operator.....	20,606.03	
			<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
01 22 23 00-0398	DAY		6,000 LB Mini-Excavator With Full-Time Operator.....	1,175.08	
			<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0399	WK		6,000 LB Mini-Excavator With Full-Time Operator.....	5,169.36	
			<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0400	MO		6,000 LB Mini-Excavator With Full-Time Operator.....	20,667.14	
			<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
01 22 23 00-0401	DAY		7,500 LB Mini-Excavator With Full-Time Operator.....	1,188.66	
			<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0402	WK		7,500 LB Mini-Excavator With Full-Time Operator.....	5,216.89	
			<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0403	MO		7,500 LB Mini-Excavator With Full-Time Operator.....	20,694.29	
			<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
01 22 23 00-0404	DAY		9,500 LB Mini-Excavator With Full-Time Operator.....	1,270.13	
			<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0405	WK		9,500 LB Mini-Excavator With Full-Time Operator.....	5,284.78	
			<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0406	MO		9,500 LB Mini-Excavator With Full-Time Operator.....	21,481.82	
			<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
01 22 23 00-0407	DAY		11,000 LB Mini-Excavator With Full-Time Operator.....	1,276.92	
			<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0408	WK		11,000 LB Mini-Excavator With Full-Time Operator.....	5,624.23	
			<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0409	MO		11,000 LB Mini-Excavator With Full-Time Operator.....	21,515.76	
			<i>For Equipment Without Operator, Deduct</i>	-18,399.61	

01 22 23 00-0410 Loader-Backhoes With Standard Bucket <small>(01 22 23 00-0270)</small>					
Note: Includes full-time operator. Excludes delivery, set-up, and removal.					
01 22 23 00-0411	DAY		1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator.....	1,243.23	
			<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0412	WK		1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator.....	5,181.85	
			<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0413	MO		1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator.....	20,601.88	
			<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
01 22 23 00-0414	DAY		1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator.....	1,285.44	
			<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0415	WK		1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator.....	5,329.60	
			<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0416	MO		1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator.....	21,502.49	
			<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
01 22 23 00-0417	DAY		1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator.....	1,350.53	
			<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0418	WK		1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator.....	5,491.43	
			<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0419	MO		1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator.....	21,966.86	
			<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
01 22 23 00-0420	DAY		1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator.....	1,640.76	
			<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0421	WK		1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator.....	6,356.86	
			<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0422	MO		1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator.....	24,443.53	
			<i>For Equipment Without Operator, Deduct</i>	-18,399.61	

01 22 23 00-0423 Heavy Duty Construction Loaders <small>(01 22 23 00-0270)</small>					
Note: Includes full-time operator. Excludes delivery, set-up, and removal.					
01 22 23 00-0424	DAY		2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator.....	1,388.13	
			<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0425	WK		2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator.....	6,376.85	
			<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0426	MO		2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator.....	24,783.68	
			<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
01 22 23 00-0427	DAY		3 CY, 135 HP, Heavy Duty Construction Loader With Full-Time Operator.....	1,835.84	
			<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0428	WK		3 CY, 135 HP, Heavy Duty Construction Loader With Full-Time Operator.....	6,866.02	
			<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0429	MO		3 CY, 135 HP, Heavy Duty Construction Loader With Full-Time Operator.....	25,032.41	
			<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
01 22 23 00-0430	DAY		3-1/2 CY, 198 HP, Heavy Duty Construction Loader With Full-Time Operator.....	1,935.33	
			<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0431	WK		3-1/2 CY, 198 HP, Heavy Duty Construction Loader With Full-Time Operator.....	7,131.33	
			<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0432	MO		3-1/2 CY, 198 HP, Heavy Duty Construction Loader With Full-Time Operator.....	25,695.69	
			<i>For Equipment Without Operator, Deduct</i>	-18,399.61	

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

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

01 22 23 00-0433	DAY	4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator	2,208.93	
		<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0434	WK	4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator	7,852.64	
		<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0435	MO	4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator	27,519.71	
		<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
01 22 23 00-0436	DAY	7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator	2,913.67	
		<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0437	WK	7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator	12,487.31	
		<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0438	MO	7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator	43,106.79	
		<i>For Equipment Without Operator, Deduct</i>	-18,399.61	
01 22 23 00-0439	DAY	13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator	7,556.55	
		<i>For Equipment Without Operator, Deduct</i>	-849.21	
01 22 23 00-0440	WK	13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator	26,026.28	
		<i>For Equipment Without Operator, Deduct</i>	-4,246.06	
01 22 23 00-0441	MO	13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator	77,756.62	
		<i>For Equipment Without Operator, Deduct</i>	-18,399.61	

**01 22 23 00-0442 Shoring** (01 22 23 00-0270)

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

**01 22 23 00-0443 Aluminum Hydraulic Shoring** (01 22 23 00-0442)

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

01 22 23 00-0444	WK	2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring	70.11	
		Note: Up to 88" spread width.		
01 22 23 00-0445	MO	2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring	206.79	
		Note: Up to 88" spread width.		
01 22 23 00-0446	WK	Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring	94.05	
		Note: Up to 88" spread width.		
01 22 23 00-0447	MO	Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring	277.41	
		Note: Up to 88" spread width.		
01 22 23 00-0448	WK	Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring	174.39	
		Note: Up to 88" spread width.		
01 22 23 00-0449	MO	Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring	514.46	
		Note: Up to 88" spread width.		
01 22 23 00-0450	EA	Set-up And Removal Of 1 Cylinder Aluminum Hydraulic Shores	24.80	
01 22 23 00-0451	EA	Set-up And Removal Of 2 Cylinders Aluminum Hydraulic Shores	39.68	
01 22 23 00-0452	EA	Set-up And Removal Of 3 Cylinders Aluminum Hydraulic Shores	66.12	

**01 22 23 00-0453 Trench Boxes/Trench Shields** (01 22 23 00-0270)

Note: Trenching tasks include moving the trench box in excavation as trenching proceeds. Includes delivery to job site and pick-up when complete. For stackable units, combine multiple units for depth required.

01 22 23 00-0454	WK	4' x 6' Trench Box With Up To 48" Spreaders	136.40	
01 22 23 00-0455	MO	4' x 6' Trench Box With Up To 48" Spreaders	409.20	
01 22 23 00-0456	WK	6' x 6' Trench Box With Up To 48" Spreaders	154.00	
01 22 23 00-0457	MO	6' x 6' Trench Box With Up To 48" Spreaders	462.00	
01 22 23 00-0458	WK	8' x 6' Trench Box With Up To 48" Spreaders	162.80	
01 22 23 00-0459	MO	8' x 6' Trench Box With Up To 48" Spreaders	488.40	
01 22 23 00-0460	WK	4' x 8' Trench Box With Up To 48" Spreaders	149.60	
01 22 23 00-0461	MO	4' x 8' Trench Box With Up To 48" Spreaders	448.80	
01 22 23 00-0462	WK	6' x 8' Trench Box With Up To 48" Spreaders	176.00	
01 22 23 00-0463	MO	6' x 8' Trench Box With Up To 48" Spreaders	528.00	
01 22 23 00-0464	WK	8' x 8' Trench Box With Up To 48" Spreaders	198.00	
01 22 23 00-0465	MO	8' x 8' Trench Box With Up To 48" Spreaders	594.00	
01 22 23 00-0466	WK	4' x 10' Trench Box With Up To 48" Spreaders	167.20	
01 22 23 00-0467	MO	4' x 10' Trench Box With Up To 48" Spreaders	501.60	
01 22 23 00-0468	WK	6' x 10' Trench Box With Up To 48" Spreaders	198.00	
01 22 23 00-0469	MO	6' x 10' Trench Box With Up To 48" Spreaders	594.00	
01 22 23 00-0470	WK	8' x 10' Trench Box With Up To 48" Spreaders	242.00	
01 22 23 00-0471	MO	8' x 10' Trench Box With Up To 48" Spreaders	721.60	
01 22 23 00-0472	WK	4' x 12' Trench Box With Up To 48" Spreaders	198.00	
01 22 23 00-0473	MO	4' x 12' Trench Box With Up To 48" Spreaders	594.00	
01 22 23 00-0474	WK	6' x 12' Trench Box With Up To 48" Spreaders	242.00	
01 22 23 00-0475	MO	6' x 12' Trench Box With Up To 48" Spreaders	726.00	
01 22 23 00-0476	WK	8' x 12' Trench Box With Up To 48" Spreaders	308.00	
01 22 23 00-0477	MO	8' x 12' Trench Box With Up To 48" Spreaders	924.00	
01 22 23 00-0478	WK	4' x 14' Trench Box With Up To 48" Spreaders	220.00	
01 22 23 00-0479	MO	4' x 14' Trench Box With Up To 48" Spreaders	660.00	
01 22 23 00-0480	WK	6' x 14' Trench Box With Up To 48" Spreaders	286.00	
01 22 23 00-0481	MO	6' x 14' Trench Box With Up To 48" Spreaders	858.00	
01 22 23 00-0482	WK	8' x 14' Trench Box With Up To 48" Spreaders	352.00	
01 22 23 00-0483	MO	8' x 14' Trench Box With Up To 48" Spreaders	1,056.00	
01 22 23 00-0484	WK	4' x 16' Trench Box With Up To 48" Spreaders	242.00	
01 22 23 00-0485	MO	4' x 16' Trench Box With Up To 48" Spreaders	726.00	
01 22 23 00-0486	WK	6' x 16' Trench Box With Up To 48" Spreaders	330.00	
01 22 23 00-0487	MO	6' x 16' Trench Box With Up To 48" Spreaders	990.00	
01 22 23 00-0488	WK	8' x 16' Trench Box With Up To 48" Spreaders	396.00	
01 22 23 00-0489	MO	8' x 16' Trench Box With Up To 48" Spreaders	1,188.00	
01 22 23 00-0490	WK	4' x 20' Trench Box With Up To 48" Spreaders	286.00	
01 22 23 00-0491	MO	4' x 20' Trench Box With Up To 48" Spreaders	858.00	
01 22 23 00-0492	WK	6' x 20' Trench Box With Up To 48" Spreaders	396.00	
01 22 23 00-0493	MO	6' x 20' Trench Box With Up To 48" Spreaders	1,188.00	
01 22 23 00-0494	WK	8' x 20' Trench Box With Up To 48" Spreaders	462.00	
01 22 23 00-0495	MO	8' x 20' Trench Box With Up To 48" Spreaders	1,386.00	



	MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0496	WK	4' x 24' Trench Box With Up To 48" Spreaders.....	396.00	
01 22 23 00-0497	MO	4' x 24' Trench Box With Up To 48" Spreaders.....	1,188.00	
01 22 23 00-0498	WK	6' x 24' Trench Box With Up To 48" Spreaders.....	484.00	
01 22 23 00-0499	MO	6' x 24' Trench Box With Up To 48" Spreaders.....	1,452.00	
01 22 23 00-0500	WK	8' x 24' Trench Box With Up To 48" Spreaders.....	528.00	
01 22 23 00-0501	MO	8' x 24' Trench Box With Up To 48" Spreaders.....	1,584.00	
01 22 23 00-0502	WK	For Spreaders >48" To 84", Add.....	13.20	
01 22 23 00-0503	MO	For Spreaders >48" To 84", Add.....	39.60	
01 22 23 00-0504	WK	For Spreaders >84" To 120", Add.....	79.20	
01 22 23 00-0505	MO	For Spreaders >84" To 120", Add.....	237.60	
01 22 23 00-0506	WK	For Spreaders >120", Add.....	167.20	
01 22 23 00-0507	MO	For Spreaders >120", Add.....	501.60	
01 22 23 00-0508	WK	8' x 4' Manhole Box.....	207.90	
01 22 23 00-0509	MO	8' x 4' Manhole Box.....	623.70	
01 22 23 00-0510	WK	8' x 8' Manhole Box.....	297.00	
01 22 23 00-0511	MO	8' x 8' Manhole Box.....	891.00	

**01 22 23 00-0512 Trenchers** (01 22 23 00-0270)

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

01 22 23 00-0513	DAY	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	1,200.77	
		<i>For Equipment Without Operator, Deduct</i>	-807.07	
01 22 23 00-0514	WK	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	5,376.36	
		<i>For Equipment Without Operator, Deduct</i>	-4,035.33	
01 22 23 00-0515	MO	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	21,177.32	
		<i>For Equipment Without Operator, Deduct</i>	-17,486.42	
01 22 23 00-0516	DAY	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	1,865.13	
		<i>For Equipment Without Operator, Deduct</i>	-807.07	
01 22 23 00-0517	WK	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	7,615.50	
		<i>For Equipment Without Operator, Deduct</i>	-4,035.33	
01 22 23 00-0518	MO	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	27,328.82	
		<i>For Equipment Without Operator, Deduct</i>	-17,486.42	

**01 22 23 00-0519 Heavy Equipment (Ground Protection) Mats** (01 22 23 00-0270)

Note: Rental price per mat. Excludes placement, moving, mobilization and demobilization. See CSI section 01 22 23 00-0270 for equipment for offloading/reloading from delivery vehicle, placing, and moving mats, 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.

01 22 23 00-0520	DAY	14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	19.32	
01 22 23 00-0521	WK	14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	45.99	
01 22 23 00-0522	MO	14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	96.58	
01 22 23 00-0523	DAY	16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	20.28	
01 22 23 00-0524	WK	16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	48.29	
01 22 23 00-0525	MO	16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	101.41	
01 22 23 00-0526	Day	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	16.42	
01 22 23 00-0527	WK	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	38.63	
01 22 23 00-0528	MO	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	82.09	
01 22 23 00-0529	Day	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	18.35	
01 22 23 00-0530	WK	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	43.46	
01 22 23 00-0531	MO	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	91.75	
01 22 23 00-0532	Day	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	20.28	
01 22 23 00-0533	WK	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	48.29	
01 22 23 00-0534	MO	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	101.41	
01 22 23 00-0535	Day	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	22.21	
01 22 23 00-0536	WK	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	52.89	
01 22 23 00-0537	MO	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	111.07	
01 22 23 00-0538	Day	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	17.38	
01 22 23 00-0539	WK	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	48.29	
01 22 23 00-0540	MO	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	86.92	
01 22 23 00-0541	Day	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	20.28	
01 22 23 00-0542	WK	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	48.29	
01 22 23 00-0543	MO	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	101.41	
01 22 23 00-0544	Day	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	24.14	
01 22 23 00-0545	WK	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	53.12	
01 22 23 00-0546	MO	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	120.72	
01 22 23 00-0547	Day	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	26.08	
01 22 23 00-0548	WK	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	62.09	
01 22 23 00-0549	MO	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	130.38	
01 22 23 00-0550	Day	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	28.01	
01 22 23 00-0551	WK	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	66.69	
01 22 23 00-0552	MO	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	140.04	
01 22 23 00-0553	Day	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	28.97	
01 22 23 00-0554	WK	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	68.99	
01 22 23 00-0555	MO	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	144.87	
01 22 23 00-0556	Day	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™).....	9.29	
01 22 23 00-0557	WK	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™).....	23.23	
01 22 23 00-0558	MO	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™).....	69.68	
01 22 23 00-0559	Day	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	11.11	
01 22 23 00-0560	WK	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	27.77	
01 22 23 00-0561	MO	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	83.30	
01 22 23 00-0562	Day	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	12.68	
01 22 23 00-0563	WK	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	31.71	
01 22 23 00-0564	MO	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	95.13	
01 22 23 00-0565	Day	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	13.52	
01 22 23 00-0566	WK	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	33.80	
01 22 23 00-0567	MO	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	101.41	

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

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

01 22 23 00-0568	Day	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	15.45
01 22 23 00-0569	WK	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	38.63
01 22 23 00-0570	MO	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	115.90
01 22 23 00-0571	Day	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	17.76
01 22 23 00-0572	WK	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	44.39
01 22 23 00-0573	MO	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	133.18
01 22 23 00-0574	Day	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	13.66
01 22 23 00-0575	WK	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	34.16
01 22 23 00-0576	MO	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	102.47
01 22 23 00-0577	Day	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	18.50
01 22 23 00-0578	WK	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	46.25
01 22 23 00-0579	MO	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	138.74
01 22 23 00-0580	Day	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	15.99
01 22 23 00-0581	WK	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	39.98
01 22 23 00-0582	MO	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	119.95
01 22 23 00-0583	Day	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	26.67
01 22 23 00-0584	WK	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	66.69
01 22 23 00-0585	MO	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	200.06
01 22 23 00-0586	Day	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	28.43
01 22 23 00-0587	WK	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	71.08
01 22 23 00-0588	MO	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	213.25

**01 22 23 00-0589 Electrical Equipment** (01 22 23)

**01 22 23 00-0590 Tripod Mounted Floodlights** (01 22 23 00-0589)

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

01 22 23 00-0591	DAY	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	61.80
01 22 23 00-0592	WK	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	146.20
01 22 23 00-0593	MO	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	308.98
01 22 23 00-0594	DAY	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	61.80
01 22 23 00-0595	WK	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	180.86
01 22 23 00-0596	MO	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	535.06
01 22 23 00-0597	DAY	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	69.33
01 22 23 00-0598	WK	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	188.40
01 22 23 00-0599	MO	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	459.70

**01 22 23 00-0600 Trailer Mounted Floodlights** (01 22 23 00-0589)

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

01 22 23 00-0601	DAY	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	173.33
01 22 23 00-0602	WK	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	384.34
01 22 23 00-0603	MO	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	828.96

**01 22 23 00-0604 Generator Sets** (01 22 23 00-0589)

**01 22 23 00-0605 Portable, Gas Or Diesel Powered Generator Sets** (01 22 23 00-0604)

Note: With 24 hour day-tank. Includes delivery to job site and pick-up when complete. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0712 for reimbursable fuel fees.

01 22 23 00-0606	DAY	3.6 KW, 8 HP Gas Powered Generator Set	51.36
		<i>For LP Or NG Gas, Add</i>	6.42
		<i>For &gt;160 To 320 Hours Usage Per Month, Add</i>	25.68
01 22 23 00-0607	WK	3.6 KW, 8 HP Gas Powered Generator Set	185.15
		<i>For LP Or NG Gas, Add</i>	23.14
01 22 23 00-0608	MO	3.6 KW, 8 HP Gas Powered Generator Set	513.64
		<i>For LP Or NG Gas, Add</i>	64.21
01 22 23 00-0609	DAY	5 KW, 11 HP Gas Powered Generator Set	72.86
		<i>For LP Or NG Gas, Add</i>	9.11
01 22 23 00-0610	WK	5 KW, 11 HP Gas Powered Generator Set	232.93
		<i>For LP Or NG Gas, Add</i>	29.12
01 22 23 00-0611	MO	5 KW, 11 HP Gas Powered Generator Set	531.55
		<i>For LP Or NG Gas, Add</i>	66.44
01 22 23 00-0612	DAY	6.5 KW, 13 HP Gas Powered Generator Set	93.17
		<i>For LP Or NG Gas, Add</i>	11.65
01 22 23 00-0613	WK	6.5 KW, 13 HP Gas Powered Generator Set	250.84
		<i>For LP Or NG Gas, Add</i>	31.36
01 22 23 00-0614	MO	6.5 KW, 13 HP Gas Powered Generator Set	692.81
		<i>For LP Or NG Gas, Add</i>	86.60
01 22 23 00-0615	DAY	10 KW, 18 HP Gas Powered Generator Set	103.92
		<i>For LP Or NG Gas, Add</i>	12.99
01 22 23 00-0616	WK	10 KW, 18 HP Gas Powered Generator Set	280.71
		<i>For LP Or NG Gas, Add</i>	35.09
01 22 23 00-0617	MO	10 KW, 18 HP Gas Powered Generator Set	806.29
		<i>For LP Or NG Gas, Add</i>	100.79

**01 22 23 00-0618 Towable, Diesel Powered Generator Sets** (01 22 23 00-0604)

Note: Includes 24 hour day-tank on sizes up to 180KW, 40 hour day-tank for sizes greater than 180KW To 300 KW and 1000 gallon for sizes greater than 300KW. Multi-voltage transformer unless stated otherwise, trailer mounted including sound attenuation and control panel. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0712 for reimbursable fuel fees.

01 22 23 00-0619	DAY	20 KW, 60 Hertz Towable Diesel Powered Generator Set	213.82
		Note: Fuel consumption: 100% load - 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.	
		<i>For &gt;8 To 16 Hours Usage Per Day, Add</i>	106.91
		<i>For &gt;16 To 24 Hours Usage Per Day, Add</i>	213.82

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0620	WK			20 KW, 60 Hertz Towable Diesel Powered Generator Set.....	559.03	
				Note: Fuel consumption: 100% load – 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.		
				<i>For &gt;40 To 80 Hours Usage Per Week, Add</i>	279.52	
				<i>For &gt;80 Hours Usage Per Week, Add</i>	559.03	
01 22 23 00-0621	MO			20 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,522.99	
				Note: Fuel consumption: 100% load – 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.		
				<i>For &gt;160 To 320 Hours Usage Per Month, Add</i>	761.50	
				<i>For &gt;320 Hours Usage Per Month, Add</i>	1,522.99	
01 22 23 00-0622	DAY			30 KW, 60 Hertz Towable Diesel Powered Generator Set.....	335.48	
				Note: Fuel consumption: 100% load – 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.		
				<i>For &gt;8 To 16 Hours Usage Per Day, Add</i>	167.74	
				<i>For &gt;16 To 24 Hours Usage Per Day, Add</i>	335.48	
01 22 23 00-0623	WK			30 KW, 60 Hertz Towable Diesel Powered Generator Set.....	995.62	
				Note: Fuel consumption: 100% load – 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.		
				<i>For &gt;40 To 80 Hours Usage Per Week, Add</i>	497.81	
				<i>For &gt;80 Hours Usage Per Week, Add</i>	995.62	
01 22 23 00-0624	MO			30 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,056.18	
				Note: Fuel consumption: 100% load – 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.		
				<i>For &gt;160 To 320 Hours Usage Per Month, Add</i>	1,028.09	
				<i>For &gt;320 Hours Usage Per Month, Add</i>	2,056.18	
01 22 23 00-0625	DAY			40.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	367.95	
				Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.		
				<i>For &gt;8 To 16 Hours Usage Per Day, Add</i>	183.98	
				<i>For &gt;16 To 24 Hours Usage Per Day, Add</i>	367.95	
01 22 23 00-0626	WK			40.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,028.09	
				Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.		
				<i>For &gt;40 To 80 Hours Usage Per Week, Add</i>	514.05	
				<i>For &gt;80 Hours Usage Per Week, Add</i>	1,028.09	
01 22 23 00-0627	MO			40.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,272.62	
				Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.		
				<i>For &gt;160 To 320 Hours Usage Per Month, Add</i>	1,136.31	
				<i>For &gt;320 Hours Usage Per Month, Add</i>	2,272.62	
01 22 23 00-0628	DAY			55.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	395.00	
				Note: Fuel consumption: 100% load – 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.		
				<i>For &gt;8 To 16 Hours Usage Per Day, Add</i>	197.50	
				<i>For &gt;16 To 24 Hours Usage Per Day, Add</i>	395.00	
01 22 23 00-0629	WK			55.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,082.20	
				Note: Fuel consumption: 100% load – 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.		
				<i>For &gt;40 To 80 Hours Usage Per Week, Add</i>	541.10	
				<i>For &gt;80 Hours Usage Per Week, Add</i>	1,082.20	
01 22 23 00-0630	MO			55.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,597.28	
				Note: Fuel consumption: 100% load – 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.		
				<i>For &gt;160 To 320 Hours Usage Per Month, Add</i>	1,298.64	
				<i>For &gt;320 Hours Usage Per Month, Add</i>	2,597.28	
01 22 23 00-0631	DAY			70.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	432.88	
				Note: Fuel consumption: 100% load – 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour.		
				<i>For &gt;8 To 16 Hours Usage Per Day, Add</i>	216.44	
				<i>For &gt;16 To 24 Hours Usage Per Day, Add</i>	432.88	
01 22 23 00-0632	WK			70.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,228.30	
				Note: Fuel consumption: 100% load – 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour.		
				<i>For &gt;40 To 80 Hours Usage Per Week, Add</i>	614.15	
				<i>For &gt;80 Hours Usage Per Week, Add</i>	1,228.30	
01 22 23 00-0633	MO			70.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,921.94	
				Note: Fuel consumption: 100% load – 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour.		
				<i>For &gt;160 To 320 Hours Usage Per Month, Add</i>	1,460.97	
				<i>For &gt;320 Hours Usage Per Month, Add</i>	2,921.94	
01 22 23 00-0634	DAY			80.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	486.99	
				Note: Fuel consumption: 100% load – 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour.		
				<i>For &gt;8 To 16 Hours Usage Per Day, Add</i>	243.50	
				<i>For &gt;16 To 24 Hours Usage Per Day, Add</i>	486.99	
01 22 23 00-0635	WK			80.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,298.64	
				Note: Fuel consumption: 100% load – 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour.		
				<i>For &gt;40 To 80 Hours Usage Per Week, Add</i>	649.32	
				<i>For &gt;80 Hours Usage Per Week, Add</i>	1,298.64	
01 22 23 00-0636	MO			80.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	3,246.60	
				Note: Fuel consumption: 100% load – 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour.		
				<i>For &gt;160 To 320 Hours Usage Per Month, Add</i>	1,623.30	
				<i>For &gt;320 Hours Usage Per Month, Add</i>	3,246.60	
01 22 23 00-0637	DAY			100.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	503.22	
				Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour.		
				<i>For &gt;8 To 16 Hours Usage Per Day, Add</i>	251.61	
				<i>For &gt;16 To 24 Hours Usage Per Day, Add</i>	503.22	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0638	WK		100.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour. <i>For &gt;40 To 80 Hours Usage Per Week, Add</i> <i>For &gt;80 Hours Usage Per Week, Add</i>	1,352.75 676.38 1,352.75	
01 22 23 00-0639	MO		100.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour. <i>For &gt;160 To 320 Hours Usage Per Month, Add</i> <i>For &gt;320 Hours Usage Per Month, Add</i>	3,679.48 1,839.74 3,679.48	
01 22 23 00-0640	DAY		120.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour. <i>For &gt;8 To 16 Hours Usage Per Day, Add</i> <i>For &gt;16 To 24 Hours Usage Per Day, Add</i>	568.16 284.08 568.16	
01 22 23 00-0641	WK		120.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour. <i>For &gt;40 To 80 Hours Usage Per Week, Add</i> <i>For &gt;80 Hours Usage Per Week, Add</i>	1,569.19 784.60 1,569.19	
01 22 23 00-0642	MO		120.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour. <i>For &gt;160 To 320 Hours Usage Per Month, Add</i> <i>For &gt;320 Hours Usage Per Month, Add</i>	4,220.58 2,110.29 4,220.58	
01 22 23 00-0643	DAY		140.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour. <i>For &gt;8 To 16 Hours Usage Per Day, Add</i> <i>For &gt;16 To 24 Hours Usage Per Day, Add</i>	595.21 297.61 595.21	
01 22 23 00-0644	WK		140.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour. <i>For &gt;40 To 80 Hours Usage Per Week, Add</i> <i>For &gt;80 Hours Usage Per Week, Add</i>	1,650.36 825.18 1,650.36	
01 22 23 00-0645	MO		140.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour. <i>For &gt;160 To 320 Hours Usage Per Month, Add</i> <i>For &gt;320 Hours Usage Per Month, Add</i>	4,653.46 2,326.73 4,653.46	
01 22 23 00-0646	DAY		150.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour. <i>For &gt;8 To 16 Hours Usage Per Day, Add</i> <i>For &gt;16 To 24 Hours Usage Per Day, Add</i>	622.26 311.13 622.26	
01 22 23 00-0647	WK		150.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour. <i>For &gt;40 To 80 Hours Usage Per Week, Add</i> <i>For &gt;80 Hours Usage Per Week, Add</i>	1,785.63 892.82 1,785.63	
01 22 23 00-0648	MO		150.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour. <i>For &gt;160 To 320 Hours Usage Per Month, Add</i> <i>For &gt;320 Hours Usage Per Month, Add</i>	4,869.90 2,434.95 4,869.90	
01 22 23 00-0649	DAY		160.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour. <i>For &gt;8 To 16 Hours Usage Per Day, Add</i> <i>For &gt;16 To 24 Hours Usage Per Day, Add</i>	649.32 324.66 649.32	
01 22 23 00-0650	WK		160.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour. <i>For &gt;40 To 80 Hours Usage Per Week, Add</i> <i>For &gt;80 Hours Usage Per Week, Add</i>	1,893.85 946.93 1,893.85	
01 22 23 00-0651	MO		160.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour. <i>For &gt;160 To 320 Hours Usage Per Month, Add</i> <i>For &gt;320 Hours Usage Per Month, Add</i>	5,086.34 2,543.17 5,086.34	
01 22 23 00-0652	DAY		175.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour. <i>For &gt;8 To 16 Hours Usage Per Day, Add</i> <i>For &gt;16 To 24 Hours Usage Per Day, Add</i>	649.32 324.66 649.32	
01 22 23 00-0653	WK		175.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour. <i>For &gt;40 To 80 Hours Usage Per Week, Add</i> <i>For &gt;80 Hours Usage Per Week, Add</i>	1,893.85 946.93 1,893.85	
01 22 23 00-0654	MO		175.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour. <i>For &gt;160 To 320 Hours Usage Per Month, Add</i> <i>For &gt;320 Hours Usage Per Month, Add</i>	5,086.34 2,543.17 5,086.34	
01 22 23 00-0655	DAY		200.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour. <i>For &gt;8 To 16 Hours Usage Per Day, Add</i> <i>For &gt;16 To 24 Hours Usage Per Day, Add</i>	892.82 446.41 892.82	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST				
01 22 23 00-0656	WK		200.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,218.51					
			Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour.						
			<i>For &gt;40 To 80 Hours Usage Per Week, Add</i>	1,109.26					
			<i>For &gt;80 Hours Usage Per Week, Add</i>	2,218.51					
01 22 23 00-0657	MO		200.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	6,493.20					
			Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour.						
			<i>For &gt;160 To 320 Hours Usage Per Month, Add</i>	3,246.60					
			<i>For &gt;320 Hours Usage Per Month, Add</i>	6,493.20					
01 22 23 00-0658	DAY		250.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	946.92					
			Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour.						
			<i>For &gt;8 To 16 Hours Usage Per Day, Add</i>	473.46					
			<i>For &gt;16 To 24 Hours Usage Per Day, Add</i>	946.92					
01 22 23 00-0659	WK		250.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,272.62					
			Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour.						
			<i>For &gt;40 To 80 Hours Usage Per Week, Add</i>	1,136.31					
			<i>For &gt;80 Hours Usage Per Week, Add</i>	2,272.62					
01 22 23 00-0660	MO		250.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	6,709.64					
			Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour.						
			<i>For &gt;160 To 320 Hours Usage Per Month, Add</i>	3,354.82					
			<i>For &gt;320 Hours Usage Per Month, Add</i>	6,709.64					
01 22 23 00-0661	DAY		275.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,001.04					
			Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour.						
			<i>For &gt;8 To 16 Hours Usage Per Day, Add</i>	500.52					
			<i>For &gt;16 To 24 Hours Usage Per Day, Add</i>	1,001.04					
01 22 23 00-0662	WK		275.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,326.73					
			Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour.						
			<i>For &gt;40 To 80 Hours Usage Per Week, Add</i>	1,163.37					
			<i>For &gt;80 Hours Usage Per Week, Add</i>	2,326.73					
01 22 23 00-0663	MO		275.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	6,926.08					
			Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour.						
			<i>For &gt;160 To 320 Hours Usage Per Month, Add</i>	3,463.04					
			<i>For &gt;320 Hours Usage Per Month, Add</i>	6,926.08					
01 22 23 00-0664	DAY		300.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,033.50					
			Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour.						
			<i>For &gt;8 To 16 Hours Usage Per Day, Add</i>	516.75					
			<i>For &gt;16 To 24 Hours Usage Per Day, Add</i>	1,033.50					
01 22 23 00-0665	WK		300.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,489.06					
			Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour.						
			<i>For &gt;40 To 80 Hours Usage Per Week, Add</i>	1,244.53					
			<i>For &gt;80 Hours Usage Per Week, Add</i>	2,489.06					
01 22 23 00-0666	MO		300.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	7,358.96					
			Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour.						
			<i>For &gt;160 To 320 Hours Usage Per Month, Add</i>	3,679.48					
			<i>For &gt;320 Hours Usage Per Month, Add</i>	7,358.96					
01 22 23 00-0667	DAY		350.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,082.20					
			Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour.						
			<i>For &gt;8 To 16 Hours Usage Per Day, Add</i>	541.10					
			<i>For &gt;16 To 24 Hours Usage Per Day, Add</i>	1,082.20					
01 22 23 00-0668	WK		350.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,813.72					
			Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour.						
			<i>For &gt;40 To 80 Hours Usage Per Week, Add</i>	1,406.86					
			<i>For &gt;80 Hours Usage Per Week, Add</i>	2,813.72					
01 22 23 00-0669	MO		350.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	8,116.50					
			Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour.						
			<i>For &gt;160 To 320 Hours Usage Per Month, Add</i>	4,058.25					
			<i>For &gt;320 Hours Usage Per Month, Add</i>	8,116.50					
01 22 23 00-0670	DAY		400.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,523.92					
			Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour.						
			<i>For &gt;8 To 16 Hours Usage Per Day, Add</i>	761.96					
			<i>For &gt;16 To 24 Hours Usage Per Day, Add</i>	1,523.92					
01 22 23 00-0671	WK		400.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	3,940.06					
			Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour.						
			<i>For &gt;40 To 80 Hours Usage Per Week, Add</i>	1,970.03					
			<i>For &gt;80 Hours Usage Per Week, Add</i>	3,940.06					
01 22 23 00-0672	MO		400.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	10,420.00					
			Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour.						
			<i>For &gt;160 To 320 Hours Usage Per Month, Add</i>	5,210.00					
			<i>For &gt;320 Hours Usage Per Month, Add</i>	10,420.00					
01 22 23 00-0673	DAY		500.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	1,953.75					
			Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour.						
			<i>For &gt;8 To 16 Hours Usage Per Day, Add</i>	976.88					
			<i>For &gt;16 To 24 Hours Usage Per Day, Add</i>	1,953.75					

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

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

01 22 23 00-0674	WK	500.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	5,079.75	
		Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour.		
		For >40 To 80 Hours Usage Per Week, Add	2,539.88	
		For >80 Hours Usage Per Week, Add	5,079.75	
01 22 23 00-0675	MO	500.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	11,722.50	
		Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour.		
		For >160 To 320 Hours Usage Per Month, Add	5,861.25	
		For >320 Hours Usage Per Month, Add	11,722.50	
01 22 23 00-0676	DAY	640.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	2,416.14	
		Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour.		
		For >8 To 16 Hours Usage Per Day, Add	1,208.07	
		For >16 To 24 Hours Usage Per Day, Add	2,416.14	
01 22 23 00-0677	WK	640.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	6,382.25	
		Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour.		
		For >40 To 80 Hours Usage Per Week, Add	3,191.13	
		For >80 Hours Usage Per Week, Add	6,382.25	
01 22 23 00-0678	MO	640.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	15,630.00	
		Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour.		
		For >160 To 320 Hours Usage Per Month, Add	7,815.00	
		For >320 Hours Usage Per Month, Add	15,630.00	
01 22 23 00-0679	DAY	750.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	2,611.51	
		Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour.		
		For >8 To 16 Hours Usage Per Day, Add	1,305.76	
		For >16 To 24 Hours Usage Per Day, Add	2,611.51	
01 22 23 00-0680	WK	750.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	6,017.55	
		Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour.		
		For >40 To 80 Hours Usage Per Week, Add	3,008.78	
		For >80 Hours Usage Per Week, Add	6,017.55	
01 22 23 00-0681	MO	750.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	18,052.65	
		Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour.		
		For >160 To 320 Hours Usage Per Month, Add	9,026.33	
		For >320 Hours Usage Per Month, Add	18,052.65	
01 22 23 00-0682	EA	Up To 300 KW Generator Set Delivery, Set-Up, Testing And Pick-up.....	868.60	
01 22 23 00-0683	EA	350 To 750 KW Generator Set Delivery, Set-Up, Testing And Pick-up.....	1,412.55	

**01 22 23 00-0684 Cabling For Generator Sets** (01 22 23 00-0604)

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

01 22 23 00-0685	DAY	#1 Banded Cable, 50' With Camlock Ends For Generator Set.....	23.81	
01 22 23 00-0686	WK	#1 Banded Cable, 50' With Camlock Ends For Generator Set.....	41.66	
01 22 23 00-0687	MO	#1 Banded Cable, 50' With Camlock Ends For Generator Set.....	124.99	
01 22 23 00-0688	DAY	50', 4/0 Cable With Camlock Ends For Generator Set.....	11.90	
01 22 23 00-0689	WK	50', 4/0 Cable With Camlock Ends For Generator Set.....	34.63	
01 22 23 00-0690	MO	50', 4/0 Cable With Camlock Ends For Generator Set.....	96.32	

**01 22 23 00-0691 Resistive Load Banks For Generator Sets** (01 22 23 00-0604)

Note: Includes delivery to job site and pick-up when complete. See CSI section 01 22 23 00-0712 for reimbursable fuel fees.

01 22 23 00-0692	DAY	100 KW A/C Resistive Load Bank.....	291.16	
01 22 23 00-0693	WK	100 KW A/C Resistive Load Bank.....	553.77	
01 22 23 00-0694	MO	100 KW A/C Resistive Load Bank.....	1,512.88	
01 22 23 00-0695	DAY	650 KW A/C Resistive Load Bank.....	656.54	
01 22 23 00-0696	WK	650 KW A/C Resistive Load Bank.....	1,755.74	
01 22 23 00-0697	MO	650 KW A/C Resistive Load Bank.....	4,476.38	

**01 22 23 00-0698 Sub-Distribution Panels (Spider Box) For Generator Sets** (01 22 23 00-0604)

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

01 22 23 00-0699	DAY	50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box).....	58.44	
01 22 23 00-0700	WK	50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box).....	151.51	
01 22 23 00-0701	MO	50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box).....	427.47	

**01 22 23 00-0702 Portable Distribution Panels For Generator Sets** (01 22 23 00-0604)

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

01 22 23 00-0703	DAY	200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel.....	129.86	
01 22 23 00-0704	WK	200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel.....	351.72	
01 22 23 00-0705	MO	200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel.....	984.80	
01 22 23 00-0706	DAY	100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	106.06	
01 22 23 00-0707	WK	100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	275.96	
01 22 23 00-0708	MO	100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	784.60	
01 22 23 00-0709	DAY	200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	135.28	
01 22 23 00-0710	WK	200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	340.89	
01 22 23 00-0711	MO	200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	925.28	

**01 22 23 00-0712 Fuel Reimbursement For Generators** (01 22 23 00-0604)

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0713 EA Fuel Reimbursement For Generators ..... 1.00  
 Note: Purchases made by the contractor for fuel will be reimbursed to the Contractor at the actual cost of the purchase, without mark-up, for which a receipt or bill is received. The Adjustment Factor applied to Reimbursable Fees will be 1.0000. The base cost of the purchase is \$1.00, quantity will adjust cost to actual purchase cost; i.e., quantity of 125 = \$125.00 purchase. If there are multiple purchases, each one shall be listed separately with a comment in the "note" block to identify the purchase.

01 22 23 00-0714 **Welding Machines** (01 22 23 00-0589)  
 Note: Includes delivery to job site and pick-up when complete. Excludes operator.

01 22 23 00-0715 **Diesel Powered Towable Welding Machines** (01 22 23 00-0714)  
 Note: Includes delivery to job site and pick-up when complete. Excludes operator.

01 22 23 00-0716	DAY	250 To 299 Amperes, Diesel Powered Towable Welding Machine .....	131.31	
01 22 23 00-0717	WK	250 To 299 Amperes, Diesel Powered Towable Welding Machine .....	320.98	
01 22 23 00-0718	MO	250 To 299 Amperes, Diesel Powered Towable Welding Machine .....	765.98	
01 22 23 00-0719	DAY	300 To 349 Amperes, Diesel Powered Towable Welding Machine .....	175.08	
01 22 23 00-0720	WK	300 To 349 Amperes, Diesel Powered Towable Welding Machine .....	342.86	
01 22 23 00-0721	MO	300 To 349 Amperes, Diesel Powered Towable Welding Machine .....	800.99	
01 22 23 00-0722	DAY	350 To 399 Amperes, Diesel Powered Towable Welding Machine .....	182.38	
01 22 23 00-0723	WK	350 To 399 Amperes, Diesel Powered Towable Welding Machine .....	364.75	
01 22 23 00-0724	MO	350 To 399 Amperes, Diesel Powered Towable Welding Machine .....	889.99	

01 22 23 00-0725 **CC/CV Inverter Welder** (01 22 23 00-0714)  
 Note: Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0712 for reimbursable fuel fees.

01 22 23 00-0726	DAY	250 Amperes, CC Inverter Welder.....	40.85	
01 22 23 00-0727	WK	250 Amperes, CC Inverter Welder.....	89.00	
01 22 23 00-0728	MO	250 Amperes, CC Inverter Welder.....	269.92	
01 22 23 00-0729	DAY	300 Amperes, CC/CV Inverter Welder.....	46.69	
01 22 23 00-0730	WK	300 Amperes, CC/CV Inverter Welder.....	124.02	
01 22 23 00-0731	MO	300 Amperes, CC/CV Inverter Welder.....	328.28	
01 22 23 00-0732	DAY	350 Amperes, CC/CV Inverter Welder.....	48.15	
01 22 23 00-0733	WK	350 Amperes, CC/CV Inverter Welder.....	126.93	
01 22 23 00-0734	MO	350 Amperes, CC/CV Inverter Welder.....	357.46	

01 22 23 00-0735 **MIG Welder** (01 22 23 00-0714)  
 Note: Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0712 for reimbursable fuel fees.

01 22 23 00-0736	DAY	115 Volt MIG Welder .....	70.03	
01 22 23 00-0737	WK	115 Volt MIG Welder .....	182.38	
01 22 23 00-0738	MO	115 Volt MIG Welder .....	496.06	

01 22 23 00-0739 **General Equipment** (01 22 23)

01 22 23 00-0740 **Jacks And Bracing** (01 22 23 00-0739)  
 Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0741 **Manual Hydraulic Jacks** (01 22 23 00-0740)

01 22 23 00-0742	DAY	12 Ton Manual Hydraulic Bottle Jack .....	1.67	
01 22 23 00-0743	WK	12 Ton Manual Hydraulic Bottle Jack .....	7.93	
01 22 23 00-0744	MO	12 Ton Manual Hydraulic Bottle Jack .....	28.50	
01 22 23 00-0745	DAY	20 Ton Manual Hydraulic Bottle Jack .....	2.92	
01 22 23 00-0746	WK	20 Ton Manual Hydraulic Bottle Jack .....	9.18	
01 22 23 00-0747	MO	20 Ton Manual Hydraulic Bottle Jack .....	34.76	
01 22 23 00-0748	DAY	50 Ton Manual Hydraulic Bottle Jack .....	10.43	
01 22 23 00-0749	WK	50 Ton Manual Hydraulic Bottle Jack .....	40.49	
01 22 23 00-0750	MO	50 Ton Manual Hydraulic Bottle Jack .....	145.66	
01 22 23 00-0751	DAY	100 Ton Manual Hydraulic Bottle Jack .....	14.61	
01 22 23 00-0752	WK	100 Ton Manual Hydraulic Bottle Jack .....	58.43	
01 22 23 00-0753	MO	100 Ton Manual Hydraulic Bottle Jack .....	210.46	

01 22 23 00-0754 **Manual Screw Jacks** (01 22 23 00-0740)

01 22 23 00-0755	DAY	10 To 20 Ton Manual Screw Jack .....	22.15	
01 22 23 00-0756	WK	10 To 20 Ton Manual Screw Jack .....	59.64	
01 22 23 00-0757	MO	10 To 20 Ton Manual Screw Jack .....	165.30	

01 22 23 00-0758 **Shores/Braces** (01 22 23 00-0740)

01 22 23 00-0759	MO	Adjustable Tubular Steel Shoring, To 10'.....	13.66	
01 22 23 00-0760	MO	Adjustable Tubular Steel Shoring, To 16'.....	16.40	
01 22 23 00-0761	MO	Adjustable Wood Shoring, To 10'.....	6.56	
01 22 23 00-0762	MO	Adjustable Wood Shoring, To 16'.....	8.75	
01 22 23 00-0763	EA	Erect And Strip Shores To 10'.....	34.44	
01 22 23 00-0764	EA	Erect And Strip Shores To 13'.....	38.00	
01 22 23 00-0765	EA	Erect And Strip Shores To 16'.....	42.76	

01 22 23 00-0766 **Pressure Washers** (01 22 23 00-0739)

01 22 23 00-0767	DAY	2,000 PSI Pressure Washer With Full-Time Operator .....	797.05	
		<i>For Equipment Without Operator, Deduct</i>	-629.86	
01 22 23 00-0768	WK	2,000 PSI Pressure Washer With Full-Time Operator .....	3,573.73	
		<i>For Equipment Without Operator, Deduct</i>	-3,149.32	

**01 General Requirements**  
**01 20 Price and Payment Procedures**  
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MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

01 22 23 00-0769	MO	2,000 PSI Pressure Washer With Full-Time Operator	14,727.38	
		<i>For Equipment Without Operator, Deduct</i>	-13,647.06	
01 22 23 00-0770	DAY	2,500 PSI Pressure Washer With Full-Time Operator	753.02	
		<i>For Equipment Without Operator, Deduct</i>	-629.86	
01 22 23 00-0771	WK	2,500 PSI Pressure Washer With Full-Time Operator	3,461.95	
		<i>For Equipment Without Operator, Deduct</i>	-3,149.32	
01 22 23 00-0772	MO	2,500 PSI Pressure Washer With Full-Time Operator	14,442.83	
		<i>For Equipment Without Operator, Deduct</i>	-13,647.06	
01 22 23 00-0773	DAY	3,000 PSI Pressure Washer With Full-Time Operator	797.05	
		<i>For Equipment Without Operator, Deduct</i>	-629.86	
01 22 23 00-0774	WK	3,000 PSI Pressure Washer With Full-Time Operator	3,573.73	
		<i>For Equipment Without Operator, Deduct</i>	-3,149.32	
01 22 23 00-0775	MO	3,000 PSI Pressure Washer With Full-Time Operator	14,727.38	
		<i>For Equipment Without Operator, Deduct</i>	-13,647.06	
01 22 23 00-0776	DAY	3,500 PSI Pressure Washer With Full-Time Operator	762.49	
		<i>For Equipment Without Operator, Deduct</i>	-629.86	
01 22 23 00-0777	WK	3,500 PSI Pressure Washer With Full-Time Operator	3,490.37	
		<i>For Equipment Without Operator, Deduct</i>	-3,149.32	
01 22 23 00-0778	MO	3,500 PSI Pressure Washer With Full-Time Operator	14,518.62	
		<i>For Equipment Without Operator, Deduct</i>	-13,647.06	
01 22 23 00-0779	DAY	4,000 PSI Pressure Washer With Full-Time Operator	861.36	
		<i>For Equipment Without Operator, Deduct</i>	-629.86	
01 22 23 00-0780	WK	4,000 PSI Pressure Washer With Full-Time Operator	3,779.51	
		<i>For Equipment Without Operator, Deduct</i>	-3,149.32	
01 22 23 00-0781	MO	4,000 PSI Pressure Washer With Full-Time Operator	15,409.02	
		<i>For Equipment Without Operator, Deduct</i>	-13,647.06	
01 22 23 00-0782	DAY	5,000 PSI Pressure Washer With Full-Time Operator	819.33	
		<i>For Equipment Without Operator, Deduct</i>	-629.86	
01 22 23 00-0783	WK	5,000 PSI Pressure Washer With Full-Time Operator	3,660.89	
		<i>For Equipment Without Operator, Deduct</i>	-3,149.32	
01 22 23 00-0784	MO	5,000 PSI Pressure Washer With Full-Time Operator	15,087.03	
		<i>For Equipment Without Operator, Deduct</i>	-13,647.06	

**01 22 23 00-0785 Confined Space Entry Equipment** (01 22 23 00-0739)

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

01 22 23 00-0786	DAY	Ventilation Equipment For Confined Space	39.99	
		Note: Includes electric or gas blower and ventilation duct up to 25'.		
01 22 23 00-0787	WK	Ventilation Equipment For Confined Space	119.96	
		Note: Includes electric or gas blower and ventilation duct up to 25'.		
01 22 23 00-0788	MO	Ventilation Equipment For Confined Space	357.99	
		Note: Includes electric or gas blower and ventilation duct up to 25'.		
01 22 23 00-0789	DAY	Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	51.82	
01 22 23 00-0790	WK	Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	155.47	
01 22 23 00-0791	MO	Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	466.41	
01 22 23 00-0792	DAY	Confined Space Air Monitor Personnel	807.07	
		Note: Per person day.		

**01 22 23 00-0793 Space Heaters** (01 22 23 00-0739)

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

01 22 23 00-0794	DAY	150,000 BTU/Hour Space Heater	67.44	
01 22 23 00-0795	WK	150,000 BTU/Hour Space Heater	193.90	
01 22 23 00-0796	MO	150,000 BTU/Hour Space Heater	547.98	
01 22 23 00-0797	DAY	500,000 BTU/Hour Space Heater	143.32	
01 22 23 00-0798	WK	500,000 BTU/Hour Space Heater	354.08	
01 22 23 00-0799	MO	500,000 BTU/Hour Space Heater	895.32	

**01 22 23 00-0800 Material Handling Equipment** (01 22 23)

**01 22 23 00-0801 Truck Mounted Hydraulic Cranes** (01 22 23 00-0800)

Note: Includes full-time operator, delivery, set-up, rigging, and removal time in rental period. Excludes lattice boom extension.

01 22 23 00-0802	DAY	6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,321.41	
		<i>For Equipment Without Operator, Deduct</i>	-871.45	
01 22 23 00-0803	WK	6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	5,720.34	
		<i>For Equipment Without Operator, Deduct</i>	-4,357.24	
01 22 23 00-0804	MO	6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	22,983.93	
		<i>For Equipment Without Operator, Deduct</i>	-18,881.39	
01 22 23 00-0805	DAY	8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,440.51	
		<i>For Equipment Without Operator, Deduct</i>	-871.45	
01 22 23 00-0806	WK	8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	6,074.35	
		<i>For Equipment Without Operator, Deduct</i>	-4,357.24	
01 22 23 00-0807	MO	8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	24,042.65	
		<i>For Equipment Without Operator, Deduct</i>	-18,881.39	
01 22 23 00-0808	DAY	14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,559.62	
		<i>For Equipment Without Operator, Deduct</i>	-871.45	
01 22 23 00-0809	WK	14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	6,428.36	
		<i>For Equipment Without Operator, Deduct</i>	-4,357.24	
01 22 23 00-0810	MO	14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	25,101.37	
		<i>For Equipment Without Operator, Deduct</i>	-18,881.39	
01 22 23 00-0811	DAY	20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,718.43	
		<i>For Equipment Without Operator, Deduct</i>	-871.45	
01 22 23 00-0812	WK	20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	6,904.78	
		<i>For Equipment Without Operator, Deduct</i>	-4,357.24	
01 22 23 00-0813	MO	20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	26,524.03	
		<i>For Equipment Without Operator, Deduct</i>	-18,881.39	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0814	DAY	30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,864.00	
		<i>For Equipment Without Operator, Deduct</i>	-871.45	
01 22 23 00-0815	WK	30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	7,890.72	
		<i>For Equipment Without Operator, Deduct</i>	-4,357.24	
01 22 23 00-0816	MO	30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	29,479.18	
		<i>For Equipment Without Operator, Deduct</i>	-18,881.39	
01 22 23 00-0817	DAY	40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,208.08	
		<i>For Equipment Without Operator, Deduct</i>	-871.45	
01 22 23 00-0818	WK	40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	9,121.48	
		<i>For Equipment Without Operator, Deduct</i>	-4,357.24	
01 22 23 00-0819	MO	40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	33,174.11	
		<i>For Equipment Without Operator, Deduct</i>	-18,881.39	
01 22 23 00-0820	DAY	50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,426.45	
		<i>For Equipment Without Operator, Deduct</i>	-871.45	
01 22 23 00-0821	WK	50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	9,889.05	
		<i>For Equipment Without Operator, Deduct</i>	-4,357.24	
01 22 23 00-0822	MO	50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	35,482.12	
		<i>For Equipment Without Operator, Deduct</i>	-18,881.39	
01 22 23 00-0823	DAY	60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,598.49	
		<i>For Equipment Without Operator, Deduct</i>	-871.45	
01 22 23 00-0824	WK	60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	10,511.05	
		<i>For Equipment Without Operator, Deduct</i>	-4,357.24	
01 22 23 00-0825	MO	60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	37,345.47	
		<i>For Equipment Without Operator, Deduct</i>	-18,881.39	
01 22 23 00-0826	DAY	70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,770.53	
		<i>For Equipment Without Operator, Deduct</i>	-871.45	
01 22 23 00-0827	WK	70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	11,133.05	
		<i>For Equipment Without Operator, Deduct</i>	-4,357.24	
01 22 23 00-0828	MO	70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	39,208.81	
		<i>For Equipment Without Operator, Deduct</i>	-18,881.39	
01 22 23 00-0829	DAY	85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,883.02	
		<i>For Equipment Without Operator, Deduct</i>	-871.45	
01 22 23 00-0830	WK	85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	11,516.83	
		<i>For Equipment Without Operator, Deduct</i>	-4,357.24	
01 22 23 00-0831	MO	85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	40,373.41	
		<i>For Equipment Without Operator, Deduct</i>	-18,881.39	
01 22 23 00-0832	DAY	100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	3,035.21	
		<i>For Equipment Without Operator, Deduct</i>	-871.45	
01 22 23 00-0833	WK	100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	12,085.90	
		<i>For Equipment Without Operator, Deduct</i>	-4,357.24	
01 22 23 00-0834	MO	100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	42,067.36	
		<i>For Equipment Without Operator, Deduct</i>	-18,881.39	
01 22 23 00-0835	DAY	120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	3,524.87	
		<i>For Equipment Without Operator, Deduct</i>	-871.45	
		<i>For Half Day Usage, Deduct</i>	-1,061.37	
01 22 23 00-0836	WK	120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	13,644.20	
		<i>For Equipment Without Operator, Deduct</i>	-4,357.24	
01 22 23 00-0837	MO	120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	46,742.27	
		<i>For Equipment Without Operator, Deduct</i>	-18,881.39	
01 22 23 00-0838	DAY	140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	3,862.33	
		<i>For Equipment Without Operator, Deduct</i>	-871.45	
		<i>For Half Day Usage, Deduct</i>	-1,196.35	
01 22 23 00-0839	WK	140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	14,825.33	
		<i>For Equipment Without Operator, Deduct</i>	-4,357.24	
01 22 23 00-0840	MO	140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	50,285.67	
		<i>For Equipment Without Operator, Deduct</i>	-18,881.39	
01 22 23 00-0841	DAY	175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	4,471.10	
		<i>For Equipment Without Operator, Deduct</i>	-871.45	
		<i>For Half Day Usage, Deduct</i>	-1,439.86	
01 22 23 00-0842	WK	175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	16,956.01	
		<i>For Equipment Without Operator, Deduct</i>	-4,357.24	
01 22 23 00-0843	MO	175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	56,677.69	
		<i>For Equipment Without Operator, Deduct</i>	-18,881.39	
01 22 23 00-0844	DAY	200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	4,894.59	
		<i>For Equipment Without Operator, Deduct</i>	-871.45	
		<i>For Half Day Usage, Deduct</i>	-1,609.26	
01 22 23 00-0845	WK	200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	18,438.22	
		<i>For Equipment Without Operator, Deduct</i>	-4,357.24	
01 22 23 00-0846	MO	200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	61,124.32	
		<i>For Equipment Without Operator, Deduct</i>	-18,881.39	

**01 22 23 00-0847**
**Cable Controlled Lattice Boom, Mechanical Cranes (01 22 23 00-0800)**

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

01 22 23 00-0848	DAY	75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	2,459.53	
		<i>For Equipment Without Operator, Deduct</i>	-871.45	
01 22 23 00-0849	WK	75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	10,021.39	
		<i>For Equipment Without Operator, Deduct</i>	-4,357.24	
01 22 23 00-0850	MO	75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	35,873.85	
		<i>For Equipment Without Operator, Deduct</i>	-18,881.39	
01 22 23 00-0851	DAY	100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	3,683.67	
		<i>For Equipment Without Operator, Deduct</i>	-871.45	
01 22 23 00-0852	WK	100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	12,059.43	
		<i>For Equipment Without Operator, Deduct</i>	-4,357.24	
01 22 23 00-0853	MO	100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	41,987.95	
		<i>For Equipment Without Operator, Deduct</i>	-18,881.39	

**01 General Requirements**  
**01 20 Price and Payment Procedures**  
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MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

01 22 23 00-0854	DAY	125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	3,882.19	
		<i>For Equipment Without Operator, Deduct</i>	-871.45	
01 22 23 00-0855	WK	125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	13,508.55	
		<i>For Equipment Without Operator, Deduct</i>	-4,357.24	
01 22 23 00-0856	MO	125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	46,334.00	
		<i>For Equipment Without Operator, Deduct</i>	-18,881.39	
01 22 23 00-0857	DAY	150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	4,279.21	
		<i>For Equipment Without Operator, Deduct</i>	-871.45	
01 22 23 00-0858	WK	150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	14,957.67	
		<i>For Equipment Without Operator, Deduct</i>	-4,357.24	
01 22 23 00-0859	MO	150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	50,674.75	
		<i>For Equipment Without Operator, Deduct</i>	-18,881.39	
01 22 23 00-0860	DAY	200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	4,467.79	
		<i>For Equipment Without Operator, Deduct</i>	-871.45	
01 22 23 00-0861	WK	200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	16,406.80	
		<i>For Equipment Without Operator, Deduct</i>	-4,357.24	
01 22 23 00-0862	MO	200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	55,026.09	
		<i>For Equipment Without Operator, Deduct</i>	-18,881.39	
01 22 23 00-0863	DAY	250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	4,656.37	
		<i>For Equipment Without Operator, Deduct</i>	-871.45	
01 22 23 00-0864	WK	250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	17,855.92	
		<i>For Equipment Without Operator, Deduct</i>	-4,357.24	
01 22 23 00-0865	MO	250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	59,377.43	
		<i>For Equipment Without Operator, Deduct</i>	-18,881.39	
01 22 23 00-0866	DAY	300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	5,278.37	
		<i>For Equipment Without Operator, Deduct</i>	-871.45	
01 22 23 00-0867	WK	300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	20,085.85	
		<i>For Equipment Without Operator, Deduct</i>	-4,357.24	
01 22 23 00-0868	MO	300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	66,057.95	
		<i>For Equipment Without Operator, Deduct</i>	-18,881.39	
01 22 23 00-0869	DAY	500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	9,103.00	
		<i>For Equipment Without Operator, Deduct</i>	-871.45	
01 22 23 00-0870	WK	500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	33,716.87	
		<i>For Equipment Without Operator, Deduct</i>	-4,357.24	
01 22 23 00-0871	MO	500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	106,966.89	
		<i>For Equipment Without Operator, Deduct</i>	-18,881.39	

**01 22 23 00-0872 Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklifts** (01 22 23 00-0800)

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

01 22 23 00-0873	DAY	5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,431.64	
		<i>For Equipment Without Operator, Deduct</i>	-807.07	
01 22 23 00-0874	WK	5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	5,563.88	
		<i>For Equipment Without Operator, Deduct</i>	-4,035.33	
01 22 23 00-0875	MO	5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	20,773.62	
		<i>For Equipment Without Operator, Deduct</i>	-17,486.42	
01 22 23 00-0876	DAY	6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,497.38	
		<i>For Equipment Without Operator, Deduct</i>	-807.07	
01 22 23 00-0877	WK	6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	5,711.80	
		<i>For Equipment Without Operator, Deduct</i>	-4,035.33	
01 22 23 00-0878	MO	6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	21,102.34	
		<i>For Equipment Without Operator, Deduct</i>	-17,486.42	
01 22 23 00-0879	DAY	8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,480.95	
		<i>For Equipment Without Operator, Deduct</i>	-807.07	
01 22 23 00-0880	WK	8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	5,785.76	
		<i>For Equipment Without Operator, Deduct</i>	-4,035.33	
01 22 23 00-0881	MO	8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	21,595.42	
		<i>For Equipment Without Operator, Deduct</i>	-17,486.42	
01 22 23 00-0882	DAY	10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,669.96	
		<i>For Equipment Without Operator, Deduct</i>	-807.07	
01 22 23 00-0883	WK	10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	6,278.84	
		<i>For Equipment Without Operator, Deduct</i>	-4,035.33	
01 22 23 00-0884	MO	10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	22,745.94	
		<i>For Equipment Without Operator, Deduct</i>	-17,486.42	

**01 22 23 00-0885 Straight Mast, Rough Terrain Construction Forklifts** (01 22 23 00-0800)

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

01 22 23 00-0886	DAY	5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	1,213.04	
		<i>For Equipment Without Operator, Deduct</i>	-807.07	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	81.19	
01 22 23 00-0887	WK	5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	5,143.94	
		<i>For Equipment Without Operator, Deduct</i>	-4,035.33	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	221.72	
01 22 23 00-0888	MO	5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	20,023.73	
		<i>For Equipment Without Operator, Deduct</i>	-17,486.42	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	507.46	
01 22 23 00-0889	DAY	6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	1,234.41	
		<i>For Equipment Without Operator, Deduct</i>	-807.07	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	85.47	
01 22 23 00-0890	WK	6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	5,202.29	
		<i>For Equipment Without Operator, Deduct</i>	-4,035.33	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	233.39	

MINOR	UNIT DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

01 22 23 00-0891	MO	6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	20,157.27	
		<i>For Equipment Without Operator, Deduct</i>	-17,486.42	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	534.17	
01 22 23 00-0892	DAY	8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	1,349.46	
		<i>For Equipment Without Operator, Deduct</i>	-807.07	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	108.48	
01 22 23 00-0893	WK	8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	5,522.79	
		<i>For Equipment Without Operator, Deduct</i>	-4,035.33	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	297.49	
01 22 23 00-0894	MO	8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	20,896.89	
		<i>For Equipment Without Operator, Deduct</i>	-17,486.42	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	682.09	
01 22 23 00-0895	DAY	10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	1,412.82	
		<i>For Equipment Without Operator, Deduct</i>	-807.07	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	121.15	
01 22 23 00-0896	WK	10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	5,495.34	
		<i>For Equipment Without Operator, Deduct</i>	-4,035.33	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	292.00	
01 22 23 00-0897	MO	10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	21,120.91	
		<i>For Equipment Without Operator, Deduct</i>	-17,486.42	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	726.90	

**01 22 23 00-0898 Straight Mast, Industrial Warehouse Forklifts** (01 22 23 00-0800)

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

01 22 23 00-0899	DAY	5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	1,152.23	
		<i>For Equipment Without Operator, Deduct</i>	-807.07	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	69.03	
01 22 23 00-0900	WK	5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	4,824.26	
		<i>For Equipment Without Operator, Deduct</i>	-4,035.33	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	157.79	
01 22 23 00-0901	MO	5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	19,376.56	
		<i>For Equipment Without Operator, Deduct</i>	-17,486.42	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	378.03	
01 22 23 00-0902	DAY	6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	1,160.44	
		<i>For Equipment Without Operator, Deduct</i>	-807.07	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	70.67	
01 22 23 00-0903	WK	6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	4,848.91	
		<i>For Equipment Without Operator, Deduct</i>	-4,035.33	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	162.72	
01 22 23 00-0904	MO	6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	19,434.09	
		<i>For Equipment Without Operator, Deduct</i>	-17,486.42	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	389.53	
01 22 23 00-0905	DAY	8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	1,333.02	
		<i>For Equipment Without Operator, Deduct</i>	-807.07	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	105.19	
01 22 23 00-0906	WK	8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	5,226.94	
		<i>For Equipment Without Operator, Deduct</i>	-4,035.33	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	238.32	
01 22 23 00-0907	MO	8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	20,362.72	
		<i>For Equipment Without Operator, Deduct</i>	-17,486.42	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	575.26	
01 22 23 00-0908	DAY	12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	1,349.46	
		<i>For Equipment Without Operator, Deduct</i>	-807.07	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	108.48	
01 22 23 00-0909	WK	12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	5,366.65	
		<i>For Equipment Without Operator, Deduct</i>	-4,035.33	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	266.26	
01 22 23 00-0910	MO	12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	20,855.80	
		<i>For Equipment Without Operator, Deduct</i>	-17,486.42	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	673.88	
01 22 23 00-0911	DAY	15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	1,497.38	
		<i>For Equipment Without Operator, Deduct</i>	-807.07	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	138.06	
01 22 23 00-0912	WK	15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	5,604.97	
		<i>For Equipment Without Operator, Deduct</i>	-4,035.33	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	313.93	
01 22 23 00-0913	MO	15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	21,266.70	
		<i>For Equipment Without Operator, Deduct</i>	-17,486.42	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	756.06	

**01 22 23 00-0914 Chain Hoists** (01 22 23 00-0800)

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

01 22 23 00-0915	DAY	1 Ton, 20' Lift, Manual Chain Hoist.....	12.52	
01 22 23 00-0916	WK	1 Ton, 20' Lift, Manual Chain Hoist.....	32.55	
01 22 23 00-0917	MO	1 Ton, 20' Lift, Manual Chain Hoist.....	96.40	
01 22 23 00-0918	DAY	3 Ton, 20' Lift, Manual Chain Hoist.....	35.06	
01 22 23 00-0919	WK	3 Ton, 20' Lift, Manual Chain Hoist.....	82.63	
01 22 23 00-0920	MO	3 Ton, 20' Lift, Manual Chain Hoist.....	231.62	
01 22 23 00-0921	DAY	5 Ton, 20' Lift, Manual Chain Hoist.....	45.07	
01 22 23 00-0922	WK	5 Ton, 20' Lift, Manual Chain Hoist.....	121.44	
01 22 23 00-0923	MO	5 Ton, 20' Lift, Manual Chain Hoist.....	338.04	
01 22 23 00-0924	DAY	2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	88.89	
01 22 23 00-0925	WK	2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	231.62	
01 22 23 00-0926	MO	2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	626.00	
01 22 23 00-0927	DAY	3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	90.14	
01 22 23 00-0928	WK	3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	241.01	
01 22 23 00-0929	MO	3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	657.30	

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

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
01 22 23 00-0930	DAY	5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	92.65		
01 22 23 00-0931	WK	5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	259.79		
01 22 23 00-0932	MO	5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	719.90		
<b>01 22 23 00-0933</b>		<b>Roof Swing Hoist</b> (01 22 23 00-0800) Note: Includes delivery to job site and pick-up when complete.			
01 22 23 00-0934	DAY	Up To 400#, Manual Swing Roof Hoist.....	81.02		
01 22 23 00-0935	WK	Up To 400#, Manual Swing Roof Hoist.....	283.55		
01 22 23 00-0936	MO	Up To 400#, Manual Swing Roof Hoist.....	972.18		
<b>01 22 23 00-0937</b>		<b>Pumping Equipment</b> (01 22 23)			
<b>01 22 23 00-0938</b>		<b>Gas Powered Portable Centrifugal Pumps</b> (01 22 23 00-0937) Note: Includes delivery, set-up, and removal. Excludes operator. See CSI section 01 22 23 00-0962 for larger diameter pumps.			
01 22 23 00-0939	DAY	8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump.....	68.52		
01 22 23 00-0940	WK	8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump.....	154.16		
01 22 23 00-0941	MO	8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump.....	411.10		
01 22 23 00-0942	DAY	16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump.....	82.22		
01 22 23 00-0943	WK	16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump.....	184.99		
01 22 23 00-0944	MO	16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump.....	493.32		
<b>01 22 23 00-0945</b>		<b>Gas Powered Portable Diaphragm Pumps</b> (01 22 23 00-0937) Note: Includes delivery, set-up, and removal. Excludes operator.			
01 22 23 00-0946	DAY	3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump.....	78.79		
01 22 23 00-0947	WK	3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump.....	222.68		
01 22 23 00-0948	MO	3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump.....	565.26		
01 22 23 00-0949	DAY	5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump.....	95.92		
01 22 23 00-0950	WK	5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump.....	256.94		
01 22 23 00-0951	MO	5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump.....	727.98		
<b>01 22 23 00-0952</b>		<b>Gas Powered Portable Trash Pumps</b> (01 22 23 00-0937) Note: Includes delivery, set-up, and removal. Excludes operator.			
01 22 23 00-0953	DAY	12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump.....	99.35		
01 22 23 00-0954	WK	12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump.....	205.55		
01 22 23 00-0955	MO	12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump.....	616.64		
01 22 23 00-0956	DAY	25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump.....	99.35		
01 22 23 00-0957	WK	25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump.....	265.50		
01 22 23 00-0958	MO	25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump.....	727.98		
01 22 23 00-0959	DAY	35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump.....	157.59		
01 22 23 00-0960	WK	35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump.....	445.35		
01 22 23 00-0961	MO	35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump.....	1,293.24		
<b>01 22 23 00-0962</b>		<b>Diesel Powered Portable Trash Pumps</b> (01 22 23 00-0937) Note: Includes delivery, set-up, and removal. Excludes operator.			
01 22 23 00-0963	DAY	63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump.....	308.32		
01 22 23 00-0964	WK	63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump.....	839.32		
01 22 23 00-0965	MO	63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump.....	3,657.04		
01 22 23 00-0966	DAY	156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump.....	471.05		
01 22 23 00-0967	WK	156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump.....	1,233.29		
01 22 23 00-0968	MO	156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump.....	3,280.20		
01 22 23 00-0969	DAY	246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump.....	640.62		
01 22 23 00-0970	WK	246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump.....	1,714.61		
01 22 23 00-0971	MO	246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump.....	4,587.15		
01 22 23 00-0972	DAY	379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump.....	829.04		
01 22 23 00-0973	WK	379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump.....	2,117.14		
01 22 23 00-0974	MO	379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump.....	6,217.83		
<b>01 22 23 00-0975</b>		<b>Diesel Powered Portable Silenced Environmental Trash Pumps</b> (01 22 23 00-0937) Note: Includes delivery, set-up, and removal. Excludes operator.			
01 22 23 00-0976	DAY	90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	440.22		
01 22 23 00-0977	WK	90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	1,002.05		
01 22 23 00-0978	MO	90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	3,124.33		
01 22 23 00-0979	DAY	136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	539.56		
01 22 23 00-0980	WK	136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	1,344.63		
01 22 23 00-0981	MO	136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	3,657.04		
01 22 23 00-0982	DAY	246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	650.90		
01 22 23 00-0983	WK	246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	1,925.30		
01 22 23 00-0984	MO	246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	5,369.94		
01 22 23 00-0985	DAY	510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	979.78		
01 22 23 00-0986	WK	510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	2,502.55		
01 22 23 00-0987	MO	510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	7,348.34		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**01 22 23 00-0988 3 Phase Electric Submersible Pumps (01 22 23 00-0937)**  
Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-0989	DAY	24,000	GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	171.29	
01 22 23 00-0990	WK	24,000	GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	428.22	
01 22 23 00-0991	MO	24,000	GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	1,284.68	
01 22 23 00-0992	DAY	49,800	GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	226.10	
01 22 23 00-0993	WK	49,800	GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	565.26	
01 22 23 00-0994	MO	49,800	GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	1,695.77	

**01 22 23 00-0995 Suction Hose With Couplings (01 22 23 00-0937)**  
Note: Includes delivery, set-up, and removal.

01 22 23 00-0996	DAY	Up To 2"	Inside Diameter, 20' Length, Suction Hose With Couplings	6.00	
01 22 23 00-0997	WK	Up To 2"	Inside Diameter, 20' Length, Suction Hose With Couplings	15.00	
01 22 23 00-0998	MO	Up To 2"	Inside Diameter, 20' Length, Suction Hose With Couplings	46.00	
01 22 23 00-0999	DAY	3"	Inside Diameter, 20' Length, Suction Hose With Couplings	16.00	
01 22 23 00-1000	WK	3"	Inside Diameter, 20' Length, Suction Hose With Couplings	41.00	
01 22 23 00-1001	MO	3"	Inside Diameter, 20' Length, Suction Hose With Couplings	125.00	
01 22 23 00-1002	DAY	4"	Inside Diameter, 20' Length, Suction Hose With Couplings	24.00	
01 22 23 00-1003	WK	4"	Inside Diameter, 20' Length, Suction Hose With Couplings	61.00	
01 22 23 00-1004	MO	4"	Inside Diameter, 20' Length, Suction Hose With Couplings	185.00	
01 22 23 00-1005	DAY	6"	Inside Diameter, 20' Length, Suction Hose With Couplings	30.00	
01 22 23 00-1006	WK	6"	Inside Diameter, 20' Length, Suction Hose With Couplings	75.00	
01 22 23 00-1007	MO	6"	Inside Diameter, 20' Length, Suction Hose With Couplings	220.00	
01 22 23 00-1008	DAY	10"	Inside Diameter, 20' Length, Suction Hose With Couplings	70.00	
01 22 23 00-1009	WK	10"	Inside Diameter, 20' Length, Suction Hose With Couplings	180.00	
01 22 23 00-1010	MO	10"	Inside Diameter, 20' Length, Suction Hose With Couplings	530.00	
01 22 23 00-1011	DAY	12"	Inside Diameter, 20' Length, Suction Hose With Couplings	94.00	
01 22 23 00-1012	WK	12"	Inside Diameter, 20' Length, Suction Hose With Couplings	205.00	
01 22 23 00-1013	MO	12"	Inside Diameter, 20' Length, Suction Hose With Couplings	615.00	

**01 22 23 00-1014 Discharge Hose With Couplings (01 22 23 00-0937)**  
Note: Includes delivery, set-up, and removal.

01 22 23 00-1015	DAY	1-1/2"	Inside Diameter, 50' Length, Discharge Hose With Couplings	6.00	
01 22 23 00-1016	WK	1-1/2"	Inside Diameter, 50' Length, Discharge Hose With Couplings	15.00	
01 22 23 00-1017	MO	1-1/2"	Inside Diameter, 50' Length, Discharge Hose With Couplings	46.00	
01 22 23 00-1018	DAY	2"	Inside Diameter, 50' Length, Discharge Hose With Couplings	7.00	
01 22 23 00-1019	WK	2"	Inside Diameter, 50' Length, Discharge Hose With Couplings	17.00	
01 22 23 00-1020	MO	2"	Inside Diameter, 50' Length, Discharge Hose With Couplings	53.00	
01 22 23 00-1021	DAY	3"	Inside Diameter, 50' Length, Discharge Hose With Couplings	8.00	
01 22 23 00-1022	WK	3"	Inside Diameter, 50' Length, Discharge Hose With Couplings	20.00	
01 22 23 00-1023	MO	3"	Inside Diameter, 50' Length, Discharge Hose With Couplings	61.00	
01 22 23 00-1024	DAY	4"	Inside Diameter, 50' Length, Discharge Hose With Couplings	21.00	
01 22 23 00-1025	WK	4"	Inside Diameter, 50' Length, Discharge Hose With Couplings	54.00	
01 22 23 00-1026	MO	4"	Inside Diameter, 50' Length, Discharge Hose With Couplings	155.00	
01 22 23 00-1027	DAY	6"	Inside Diameter, 50' Length, Discharge Hose With Couplings	26.00	
01 22 23 00-1028	WK	6"	Inside Diameter, 50' Length, Discharge Hose With Couplings	71.00	
01 22 23 00-1029	MO	6"	Inside Diameter, 50' Length, Discharge Hose With Couplings	195.00	
01 22 23 00-1030	DAY	10"	Inside Diameter, 10' Length, Discharge Hose With Couplings	20.00	
01 22 23 00-1031	WK	10"	Inside Diameter, 10' Length, Discharge Hose With Couplings	50.00	
01 22 23 00-1032	MO	10"	Inside Diameter, 10' Length, Discharge Hose With Couplings	150.00	
01 22 23 00-1033	DAY	12"	Inside Diameter, 10' Length, Discharge Hose With Couplings	51.00	
01 22 23 00-1034	WK	12"	Inside Diameter, 10' Length, Discharge Hose With Couplings	130.00	
01 22 23 00-1035	MO	12"	Inside Diameter, 10' Length, Discharge Hose With Couplings	385.00	

**01 22 23 00-1036 Hydraulic Submersible Pumps (01 22 23 00-0937)**  
Note: Includes delivery, set-up, and removal. Excludes operator.

**01 22 23 00-1037 Hydraulic Submersible Pumps (01 22 23 00-1036)**  
Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-1038	DAY	60,000	GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	113.05	
01 22 23 00-1039	WK	60,000	GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	303.18	
01 22 23 00-1040	MO	60,000	GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	847.89	
01 22 23 00-1041	DAY	132,000	GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	143.88	
01 22 23 00-1042	WK	132,000	GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	369.99	
01 22 23 00-1043	MO	132,000	GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	1,130.51	

**01 22 23 00-1044 Hydraulic Submersible Pump Diesel Power Packs (01 22 23 00-1036)**  
Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-1045	DAY	100	HP, Hydraulic Submersible Pump Diesel Power Pack	261.22	
01 22 23 00-1046	WK	100	HP, Hydraulic Submersible Pump Diesel Power Pack	779.37	
01 22 23 00-1047	MO	100	HP, Hydraulic Submersible Pump Diesel Power Pack	2,055.48	

**01 22 23 00-1048 HDPE Pipe With Couplings (01 22 23 00-0937)**  
Note: Includes delivery, set-up, and removal.

01 22 23 00-1049	DAY	4" x 20'	HDPE Pipe With Couplings	14.75	
01 22 23 00-1050	WK	4" x 20'	HDPE Pipe With Couplings	35.40	
01 22 23 00-1051	MO	4" x 20'	HDPE Pipe With Couplings	109.15	
01 22 23 00-1052	DAY	6" x 20'	HDPE Pipe With Couplings	23.60	
01 22 23 00-1053	WK	6" x 20'	HDPE Pipe With Couplings	59.00	
01 22 23 00-1054	MO	6" x 20'	HDPE Pipe With Couplings	179.95	
01 22 23 00-1055	DAY	8" x 20'	HDPE Pipe With Couplings	38.35	

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

MINOR  
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TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

01 22 23 00-1056	WK	8" x 20' HDPE Pipe With Couplings	100.30
01 22 23 00-1057	MO	8" x 20' HDPE Pipe With Couplings	297.95
01 22 23 00-1058	DAY	10" x 20' HDPE Pipe With Couplings	47.20
01 22 23 00-1059	WK	10" x 20' HDPE Pipe With Couplings	120.95
01 22 23 00-1060	MO	10" x 20' HDPE Pipe With Couplings	368.75
01 22 23 00-1061	DAY	12" x 10' HDPE Pipe With Couplings	35.40
01 22 23 00-1062	WK	12" x 10' HDPE Pipe With Couplings	97.35
01 22 23 00-1063	MO	12" x 10' HDPE Pipe With Couplings	295.00
01 22 23 00-1064	DAY	4" Elbow For HDPE Pipe, Quick Connect	35.40
01 22 23 00-1065	WK	4" Elbow For HDPE Pipe, Quick Connect	91.45
01 22 23 00-1066	MO	4" Elbow For HDPE Pipe, Quick Connect	271.40
01 22 23 00-1067	DAY	6" Elbow For HDPE Pipe, Quick Connect	41.30
01 22 23 00-1068	WK	6" Elbow For HDPE Pipe, Quick Connect	106.20
01 22 23 00-1069	MO	6" Elbow For HDPE Pipe, Quick Connect	324.50
01 22 23 00-1070	DAY	8" Elbow For HDPE Pipe, Quick Connect	47.20
01 22 23 00-1071	WK	8" Elbow For HDPE Pipe, Quick Connect	120.95
01 22 23 00-1072	MO	8" Elbow For HDPE Pipe, Quick Connect	368.75
01 22 23 00-1073	DAY	10" Elbow For HDPE Pipe, Quick Connect	59.00
01 22 23 00-1074	WK	10" Elbow For HDPE Pipe, Quick Connect	150.45
01 22 23 00-1075	MO	10" Elbow For HDPE Pipe, Quick Connect	457.25
01 22 23 00-1076	DAY	12" Elbow For HDPE Pipe, Quick Connect	59.00
01 22 23 00-1077	WK	12" Elbow For HDPE Pipe, Quick Connect	150.45
01 22 23 00-1078	MO	12" Elbow For HDPE Pipe, Quick Connect	457.25
01 22 23 00-1079	DAY	4" Tee For HDPE Pipe, Quick Connect	35.40
01 22 23 00-1080	WK	4" Tee For HDPE Pipe, Quick Connect	91.45
01 22 23 00-1081	MO	4" Tee For HDPE Pipe, Quick Connect	271.40
01 22 23 00-1082	DAY	6" Tee For HDPE Pipe, Quick Connect	47.20
01 22 23 00-1083	WK	6" Tee For HDPE Pipe, Quick Connect	120.95
01 22 23 00-1084	MO	6" Tee For HDPE Pipe, Quick Connect	368.75
01 22 23 00-1085	DAY	8" Tee For HDPE Pipe, Quick Connect	59.00
01 22 23 00-1086	WK	8" Tee For HDPE Pipe, Quick Connect	150.45
01 22 23 00-1087	MO	8" Tee For HDPE Pipe, Quick Connect	457.25
01 22 23 00-1088	DAY	10" Tee For HDPE Pipe, Quick Connect	70.80
01 22 23 00-1089	WK	10" Tee For HDPE Pipe, Quick Connect	179.95
01 22 23 00-1090	MO	10" Tee For HDPE Pipe, Quick Connect	545.75
01 22 23 00-1091	DAY	12" Tee For HDPE Pipe, Quick Connect	70.80
01 22 23 00-1092	WK	12" Tee For HDPE Pipe, Quick Connect	179.95
01 22 23 00-1093	MO	12" Tee For HDPE Pipe, Quick Connect	545.75
01 22 23 00-1094	DAY	4" Cap For HDPE Pipe, Quick Connect	5.90
01 22 23 00-1095	WK	4" Cap For HDPE Pipe, Quick Connect	17.70
01 22 23 00-1096	MO	4" Cap For HDPE Pipe, Quick Connect	53.10
01 22 23 00-1097	DAY	6" Cap For HDPE Pipe, Quick Connect	5.90
01 22 23 00-1098	WK	6" Cap For HDPE Pipe, Quick Connect	17.70
01 22 23 00-1099	MO	6" Cap For HDPE Pipe, Quick Connect	53.10
01 22 23 00-1100	DAY	8" Cap For HDPE Pipe, Quick Connect	5.90
01 22 23 00-1101	WK	8" Cap For HDPE Pipe, Quick Connect	17.70
01 22 23 00-1102	MO	8" Cap For HDPE Pipe, Quick Connect	53.10
01 22 23 00-1103	DAY	10" Cap For HDPE Pipe, Quick Connect	5.90
01 22 23 00-1104	WK	10" Cap For HDPE Pipe, Quick Connect	17.70
01 22 23 00-1105	MO	10" Cap For HDPE Pipe, Quick Connect	53.10
01 22 23 00-1106	DAY	12" Cap For HDPE Pipe, Quick Connect	5.90
01 22 23 00-1107	WK	12" Cap For HDPE Pipe, Quick Connect	17.70
01 22 23 00-1108	MO	12" Cap For HDPE Pipe, Quick Connect	53.10
01 22 23 00-1109	DAY	4" Wye For HDPE Pipe, Quick Connect	17.70
01 22 23 00-1110	WK	4" Wye For HDPE Pipe, Quick Connect	44.25
01 22 23 00-1111	MO	4" Wye For HDPE Pipe, Quick Connect	135.70
01 22 23 00-1112	DAY	6" Wye For HDPE Pipe, Quick Connect	20.65
01 22 23 00-1113	WK	6" Wye For HDPE Pipe, Quick Connect	53.10
01 22 23 00-1114	MO	6" Wye For HDPE Pipe, Quick Connect	162.25
01 22 23 00-1115	DAY	8" Wye For HDPE Pipe, Quick Connect	35.40
01 22 23 00-1116	WK	8" Wye For HDPE Pipe, Quick Connect	91.45
01 22 23 00-1117	MO	8" Wye For HDPE Pipe, Quick Connect	271.40
01 22 23 00-1118	DAY	10" Wye For HDPE Pipe, Quick Connect	53.10
01 22 23 00-1119	WK	10" Wye For HDPE Pipe, Quick Connect	135.70
01 22 23 00-1120	MO	10" Wye For HDPE Pipe, Quick Connect	413.00
01 22 23 00-1121	DAY	12" Wye For HDPE Pipe, Quick Connect	53.10
01 22 23 00-1122	WK	12" Wye For HDPE Pipe, Quick Connect	135.70
01 22 23 00-1123	MO	12" Wye For HDPE Pipe, Quick Connect	413.00

**01 22 23 00-1124 Temporary Building Services (01 22 23)**

**01 22 23 00-1125 Boilers (01 22 23 00-1124)**

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

**01 22 23 00-1126 Electric Boilers (01 22 23 00-1125)**

01 22 23 00-1127	MO	40 MBH, 12 KW Electric Boiler Rental	2,360.98
01 22 23 00-1128	MO	60 MBH, 20 KW Electric Boiler Rental	2,575.65
01 22 23 00-1129	MO	95 MBH, 30 KW Electric Boiler Rental	2,682.98
01 22 23 00-1130	MO	135 MBH, 40 KW Electric Boiler Rental	3,004.88
01 22 23 00-1131	MO	165 MBH, 50 KW Electric Boiler Rental	4,185.37
01 22 23 00-1132	MO	215 MBH, 60 KW Electric Boiler Rental	4,829.29
01 22 23 00-1133	MO	365 MBH, 100 KW Electric Boiler Rental	6,331.78
01 22 23 00-1134	MO	510 MBH, 150 KW Electric Boiler Rental	7,726.93

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>01 22 23 00-1135</b>	<b>Oil/Gas Fired Boilers</b> (01 22 23 00-1125)	
01 22 23 00-1136	MO Up To 100 HP, Gas/Oil Dual Fuel Boiler Rental ..... For >3 Months Rental, Deduct	2,080.00 -312.00
01 22 23 00-1137	MO >100 HP To 250 HP, Gas/Oil Dual Fuel Boiler Rental ..... For >3 Months Rental, Deduct	2,704.00 -405.60
01 22 23 00-1138	MO >250 HP To 500 HP, Gas/Oil Dual Fuel Boiler Rental ..... For >3 Months Rental, Deduct	4,368.00 -655.20
01 22 23 00-1139	MO >500 HP To 800 HP, Gas/Oil Dual Fuel Boiler Rental ..... For >3 Months Rental, Deduct	6,032.00 -904.80

<b>01 22 23 00-1140</b>	<b>Oil Fired Boilers</b> (01 22 23 00-1125)	
01 22 23 00-1141	MO 250 HP Oil Fired Boiler Rental.....	6,630.82
01 22 23 00-1142	MO 350 HP Oil Fired Boiler Rental.....	8,841.10
01 22 23 00-1143	MO 500 HP Oil Fired Boiler Rental.....	11,051.37
01 22 23 00-1144	MO 600 HP Oil Fired Boiler Rental.....	12,156.51

<b>01 22 23 00-1145</b>	<b>Boilers Setup</b> (01 22 23 00-1125)	
01 22 23 00-1146	EA Setup Rental Boiler..... Note: Includes delivery, setup, installation, startup, commissioning, decommissioning, and pickup. Excludes piping and electrical hookup. Excludes crane.	6,275.30

<b>01 22 23 00-1147</b>	<b>Chillers</b> (01 22 23 00-1124)	
	Note: Excludes operator, delivery, set-up, and removal.	

<b>01 22 23 00-1148</b>	<b>Air Cooled Chillers</b> (01 22 23 00-1147)	
01 22 23 00-1149	MO 25 Ton Air Cooled Chiller Rental ..... For >3 To 6 Month Rental, Deduct	3,152.40 -472.86 -788.10
01 22 23 00-1150	MO 40 Ton Air Cooled Chiller Rental ..... For >3 To 6 Month Rental, Deduct	5,043.85 -756.58 -1,260.96
01 22 23 00-1151	MO 60 Ton Air Cooled Chiller Rental ..... For >3 To 6 Month Rental, Deduct	6,169.20 -925.38 -1,542.30
01 22 23 00-1152	MO 80 Ton Air Cooled Chiller Rental ..... For >3 To 6 Month Rental, Deduct	7,294.55 -1,094.18 -1,823.64
01 22 23 00-1153	MO 100 Ton Air Cooled Chiller Rental ..... For >3 To 6 Month Rental, Deduct	8,419.90 -1,262.99 -2,104.98
01 22 23 00-1154	MO 125 Ton Air Cooled Chiller Rental ..... For >3 To 6 Month Rental, Deduct	9,754.62 -1,463.19 -2,438.66
01 22 23 00-1155	MO 155 Ton Air Cooled Chiller Rental ..... For >3 To 6 Month Rental, Deduct	11,800.70 -1,770.11 -2,950.18
01 22 23 00-1156	MO 170 Ton Air Cooled Chiller Rental ..... For >3 To 6 Month Rental, Deduct	12,619.14 -1,892.87 -3,154.79
01 22 23 00-1157	MO 200 Ton Air Cooled Chiller Rental ..... For >3 To 6 Month Rental, Deduct	14,496.31 -2,174.45 -3,624.08
01 22 23 00-1158	MO 250 Ton Air Cooled Chiller Rental ..... For >3 To 6 Month Rental, Deduct	17,249.02 -2,587.35 -4,312.26
01 22 23 00-1159	MO 300 Ton Air Cooled Chiller Rental ..... Note: Includes trailer.	20,127.82
	For >3 To 6 Month Rental, Deduct	-3,019.17
	For >6 Month Rental, Deduct	-5,031.96
01 22 23 00-1160	MO 400 Ton Air Cooled Chiller Rental ..... Note: Includes trailer, pump and 200' of 6" hose.	26,551.59
	For >3 To 6 Month Rental, Deduct	-3,982.74
	For >6 Month Rental, Deduct	-6,637.90
01 22 23 00-1161	MO 500 Ton Air Cooled Chiller Rental ..... Note: Includes trailer, pump and 200' of 6" hose.	32,865.91
	For >3 To 6 Month Rental, Deduct	-4,929.89
	For >6 Month Rental, Deduct	-8,216.48
01 22 23 00-1162	EA Setup Air Cooled Chiller Rental Unit..... Note: Includes delivery, setup, installation, refrigerant charge, startup, commissioning, decommissioning, recovery of refrigerant and pickup. Excludes piping and electrical hookup. Excludes crane if off-loaded.	4,362.10

<b>01 22 23 00-1163</b>	<b>Chiller Rental Accessories</b> (01 22 23 00-1147)	
01 22 23 00-1164	MO 4" x 25' Flexible Water Hose For Chiller Rental .....	56.17
01 22 23 00-1165	MO 6" x 25' Flexible Water Hose For Chiller Rental .....	70.22

<b>01 22 23 00-1166</b>	<b>Emergency Cooler/Freezer</b> (01 22 23 00-1124)	
	Note: Excludes utility connection, delivery, set-up, and removal. Cooler 115 Volt or 230 Volt, freezer 208/230 Volt, combo 115 Volt or 230 Volt.	
01 22 23 00-1167	DAY 8 x 6 x 7 Emergency Cooler Rental .....	79.97
01 22 23 00-1168	WK 8 x 6 x 7 Emergency Cooler Rental .....	426.52
01 22 23 00-1169	DAY 10 x 7 x 7 Emergency Cooler Rental .....	159.94
01 22 23 00-1170	WK 10 x 7 x 7 Emergency Cooler Rental .....	639.78

**01 General Requirements**  
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TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

01 22 23 00-1171	MO	10 x 7 x 7 Emergency Cooler Rental .....	1,599.45
01 22 23 00-1172	DAY	10 x 7 x 7 Emergency Freezer Rental.....	186.60
01 22 23 00-1173	WK	10 x 7 x 7 Emergency Freezer Rental.....	746.41
01 22 23 00-1174	MO	10 x 7 x 7 Emergency Freezer Rental.....	1,919.34
01 22 23 00-1175	DAY	6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental .....	213.26
01 22 23 00-1176	WK	6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental .....	853.04
01 22 23 00-1177	MO	6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental .....	2,132.60

**01 22 23 00-1178 Fuel Oil Tank** (01 22 23 00-1124)

Note: Includes delivery to job site, connection to existing system and pick-up when complete. Excludes Off-road fuel costs. See CSI section 01 22 23 00-0712 for reimbursable fuel fees.

01 22 23 00-1179	MO	100 Gallon Portable Double Wall Fuel Oil Tank Rental .....	353.56
01 22 23 00-1180	MO	275 Gallon Portable Double Wall Fuel Oil Tank Rental .....	549.99
01 22 23 00-1181	MO	500 Gallon Portable Double Wall Fuel Oil Tank Rental .....	1,374.98
01 22 23 00-1182	MO	1,000 Gallon Portable Double Wall Fuel Oil Tank Rental .....	2,291.62
01 22 23 00-1183	MO	2,300 Gallon Portable Double Wall Fuel Oil Tank Rental .....	3,024.94
01 22 23 00-1184	MO	5,000 Gallon Portable Double Wall Fuel Oil Tank Rental .....	5,403.87

**01 22 23 00-1185 Portable Spot Cooling Units** (01 22 23 00-1124)

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

01 22 23 00-1186	DAY	1 Ton Portable Spot Cooling Unit.....	156.19
01 22 23 00-1187	WK	1 Ton Portable Spot Cooling Unit.....	338.41
01 22 23 00-1188	MO	1 Ton Portable Spot Cooling Unit.....	799.96
01 22 23 00-1189	DAY	1.5 Ton Portable Spot Cooling Unit.....	204.24
01 22 23 00-1190	WK	1.5 Ton Portable Spot Cooling Unit.....	419.50
01 22 23 00-1191	MO	1.5 Ton Portable Spot Cooling Unit.....	984.18
01 22 23 00-1192	DAY	2 Ton Portable Spot Cooling Unit.....	275.33
01 22 23 00-1193	WK	2 Ton Portable Spot Cooling Unit.....	575.69
01 22 23 00-1194	MO	2 Ton Portable Spot Cooling Unit.....	1,066.28
01 22 23 00-1195	DAY	3 Ton Portable Spot Cooling Unit.....	288.35
01 22 23 00-1196	WK	3 Ton Portable Spot Cooling Unit.....	610.73
01 22 23 00-1197	MO	3 Ton Portable Spot Cooling Unit.....	1,349.62
01 22 23 00-1198	DAY	5 Ton Portable Spot Cooling Unit.....	450.54
01 22 23 00-1199	WK	5 Ton Portable Spot Cooling Unit.....	911.09
01 22 23 00-1200	MO	5 Ton Portable Spot Cooling Unit.....	1,893.27
01 22 23 00-1201	DAY	10 To 12 Ton Portable Spot Cooling Unit .....	588.71
01 22 23 00-1202	WK	10 To 12 Ton Portable Spot Cooling Unit .....	1,326.59
01 22 23 00-1203	MO	10 To 12 Ton Portable Spot Cooling Unit .....	3,201.84
01 22 23 00-1204	DAY	20 Ton Portable Spot Cooling Unit.....	675.81
01 22 23 00-1205	WK	20 Ton Portable Spot Cooling Unit.....	1,551.86
01 22 23 00-1206	MO	20 Ton Portable Spot Cooling Unit.....	4,325.18
01 22 23 00-1207	DAY	25 Ton Portable Spot Cooling Unit.....	961.15
01 22 23 00-1208	WK	25 Ton Portable Spot Cooling Unit.....	1,947.33
01 22 23 00-1209	MO	25 Ton Portable Spot Cooling Unit.....	4,530.43

**01 22 23 00-1210 Truck And Trailer Equipment** (01 22 23)

**01 22 23 00-1211 Trucks** (01 22 23 00-1210)

Note: Includes driver, delivery, and removal.

**01 22 23 00-1212 Flat Bed Trucks** (01 22 23 00-1211)

Note: Includes hydraulic tilt bed.

01 22 23 00-1213	DAY	1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver .....	928.15
		<i>For Equipment Without Operator, Deduct</i>	-677.68
01 22 23 00-1214	WK	1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver .....	4,045.05
		<i>For Equipment Without Operator, Deduct</i>	-3,388.41
01 22 23 00-1215	MO	1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver .....	16,341.65
		<i>For Equipment Without Operator, Deduct</i>	-14,683.12
01 22 23 00-1216	DAY	3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver.....	1,036.46
		<i>For Equipment Without Operator, Deduct</i>	-677.68
01 22 23 00-1217	WK	3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver.....	4,322.60
		<i>For Equipment Without Operator, Deduct</i>	-3,388.41
01 22 23 00-1218	MO	3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver.....	17,052.44
		<i>For Equipment Without Operator, Deduct</i>	-14,683.12
01 22 23 00-1219	DAY	6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver .....	1,114.18
		<i>For Equipment Without Operator, Deduct</i>	-677.68
01 22 23 00-1220	WK	6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver .....	4,619.65
		<i>For Equipment Without Operator, Deduct</i>	-3,388.41
01 22 23 00-1221	MO	6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver .....	18,182.95
		<i>For Equipment Without Operator, Deduct</i>	-14,683.12

**01 22 23 00-1222 Light Off-Road Utility Passenger Vehicles** (01 22 23 00-1211)

01 22 23 00-1223	DAY	4 Wheel, 2 Person, Light Off Road Utility Passenger Vehicle.....	243.31
01 22 23 00-1224	WK	4 Wheel, 2 Person, Light Off Road Utility Passenger Vehicle.....	562.66
01 22 23 00-1225	MO	4 Wheel, 2 Person, Light Off Road Utility Passenger Vehicle.....	1,216.56
01 22 23 00-1226	DAY	4 Wheel, 4 Person, Light Off Road Utility Passenger Vehicle.....	250.92
01 22 23 00-1227	WK	4 Wheel, 4 Person, Light Off Road Utility Passenger Vehicle.....	585.47
01 22 23 00-1228	MO	4 Wheel, 4 Person, Light Off Road Utility Passenger Vehicle.....	1,292.60

**01 22 23 00-1229 Light Duty Trucks** (01 22 23 00-1211)

01 22 23 00-1230	DAY	1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver .....	910.70
		<i>For Equipment Without Operator, Deduct</i>	-670.83



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-1231	WK		1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver.....	4,141.23	
			<i>For Equipment Without Operator, Deduct</i>	-3,354.15	
01 22 23 00-1232	MO		1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver.....	16,183.76	
			<i>For Equipment Without Operator, Deduct</i>	-14,534.64	
01 22 23 00-1233	DAY		3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver.....	955.68	
			<i>For Equipment Without Operator, Deduct</i>	-670.83	
01 22 23 00-1234	WK		3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver.....	4,276.16	
			<i>For Equipment Without Operator, Deduct</i>	-3,354.15	
01 22 23 00-1235	MO		3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver.....	16,483.60	
			<i>For Equipment Without Operator, Deduct</i>	-14,534.64	

**01 22 23 00-1236 Rear Dump Trucks (01 22 23 00-1211)**

01 22 23 00-1237	DAY		2.5 CY Rear Dump Truck With Full-Time Truck Driver .....	982.60	
			<i>For Equipment Without Operator, Deduct</i>	-677.68	
01 22 23 00-1238	WK		2.5 CY Rear Dump Truck With Full-Time Truck Driver .....	4,193.81	
			<i>For Equipment Without Operator, Deduct</i>	-3,388.41	
01 22 23 00-1239	MO		2.5 CY Rear Dump Truck With Full-Time Truck Driver .....	17,149.03	
			<i>For Equipment Without Operator, Deduct</i>	-14,683.12	
01 22 23 00-1240	DAY		4 CY Rear Dump Truck With Full-Time Truck Driver .....	1,083.69	
			<i>For Equipment Without Operator, Deduct</i>	-677.68	
01 22 23 00-1241	WK		4 CY Rear Dump Truck With Full-Time Truck Driver .....	4,507.02	
			<i>For Equipment Without Operator, Deduct</i>	-3,388.41	
01 22 23 00-1242	MO		4 CY Rear Dump Truck With Full-Time Truck Driver .....	17,583.22	
			<i>For Equipment Without Operator, Deduct</i>	-14,683.12	
01 22 23 00-1243	DAY		6 CY Rear Dump Truck With Full-Time Truck Driver .....	1,141.70	
			<i>For Equipment Without Operator, Deduct</i>	-677.68	
01 22 23 00-1244	WK		6 CY Rear Dump Truck With Full-Time Truck Driver .....	4,631.31	
			<i>For Equipment Without Operator, Deduct</i>	-3,388.41	
01 22 23 00-1245	MO		6 CY Rear Dump Truck With Full-Time Truck Driver .....	17,666.08	
			<i>For Equipment Without Operator, Deduct</i>	-14,683.12	
01 22 23 00-1246	DAY		13 CY Rear Dump Truck With Full-Time Truck Driver .....	1,829.43	
			<i>For Equipment Without Operator, Deduct</i>	-677.68	
01 22 23 00-1247	WK		13 CY Rear Dump Truck With Full-Time Truck Driver .....	6,048.22	
			<i>For Equipment Without Operator, Deduct</i>	-3,388.41	
01 22 23 00-1248	MO		13 CY Rear Dump Truck With Full-Time Truck Driver .....	21,643.36	
			<i>For Equipment Without Operator, Deduct</i>	-14,683.12	
01 22 23 00-1249	DAY		18 CY Rear Dump Truck With Full-Time Truck Driver .....	1,944.61	
			<i>For Equipment Without Operator, Deduct</i>	-677.68	
01 22 23 00-1250	WK		18 CY Rear Dump Truck With Full-Time Truck Driver .....	6,314.20	
			<i>For Equipment Without Operator, Deduct</i>	-3,388.41	
01 22 23 00-1251	MO		18 CY Rear Dump Truck With Full-Time Truck Driver .....	22,339.38	
			<i>For Equipment Without Operator, Deduct</i>	-14,683.12	

**01 22 23 00-1252 Vacuum Trucks (01 22 23 00-1211)**

01 22 23 00-1253	DAY		5,000 Gallon Vacuum Truck With Full-Time Truck Driver .....	1,821.15	
			<i>For Equipment Without Operator, Deduct</i>	-677.68	
01 22 23 00-1254	WK		5,000 Gallon Vacuum Truck With Full-Time Truck Driver .....	6,832.07	
			<i>For Equipment Without Operator, Deduct</i>	-3,388.41	
01 22 23 00-1255	MO		5,000 Gallon Vacuum Truck With Full-Time Truck Driver .....	24,845.07	
			<i>For Equipment Without Operator, Deduct</i>	-14,683.12	

**01 22 23 00-1256 Water Trucks (01 22 23 00-1211)**

Note: Includes pump and 1-1/2" Diameter x 50' water hose. See CSI section 01 22 23 00-1014 for additional discharge hose, 01 22 23 00-1268 for water trailer, 31 23 23 23-0001 for compaction water as required for earth/aggregate backfill.

01 22 23 00-1257	DAY		2,000 Gallon Water Truck With Full-Time Driver .....	1,305.25	
			<i>For Equipment Without Operator, Deduct</i>	-677.68	
			<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	11.72	
01 22 23 00-1258	WK		2,000 Gallon Water Truck With Full-Time Driver .....	5,041.01	
			<i>For Equipment Without Operator, Deduct</i>	-3,388.41	
			<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	11.72	
01 22 23 00-1259	MO		2,000 Gallon Water Truck With Full-Time Driver .....	18,588.00	
			<i>For Equipment Without Operator, Deduct</i>	-14,683.12	
			<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	11.72	
01 22 23 00-1260	DAY		3,700 To 4,000 Gallon Water Truck With Full-Time Driver .....	1,612.06	
			<i>For Equipment Without Operator, Deduct</i>	-677.68	
			<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	11.72	
01 22 23 00-1261	WK		3,700 To 4,000 Gallon Water Truck With Full-Time Driver .....	5,961.45	
			<i>For Equipment Without Operator, Deduct</i>	-3,388.41	
			<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	11.72	
01 22 23 00-1262	MO		3,700 To 4,000 Gallon Water Truck With Full-Time Driver .....	20,958.82	
			<i>For Equipment Without Operator, Deduct</i>	-14,683.12	
			<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	11.72	

**01 22 23 00-1263 Traffic Control Truck With Mounted Impact Attenuators/Crash Cushions And Arrow Board (01 22 23 00-1211)**

01 22 23 00-1264	DAY		Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver .....	1,345.09	
			<i>For Equipment Without Operator, Deduct</i>	-670.83	
01 22 23 00-1265	WK		Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver .....	5,344.07	
			<i>For Equipment Without Operator, Deduct</i>	-3,354.15	

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



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

01 22 23 00-1266	MO		Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver .....	19,367.07	
			For Equipment Without Operator, Deduct .....	-14,534.64	

**01 22 23 00-1267 Trailers** (01 22 23 00-1210)  
 Note: Includes delivery to job site and pick-up when complete.

<b>01 22 23 00-1268 Water Trailers With Pump</b> (01 22 23 00-1267)					
01 22 23 00-1269	DAY		500 To 600 Gallon Water Trailer With Pump .....	160.38	
01 22 23 00-1270	WK		500 To 600 Gallon Water Trailer With Pump .....	411.41	
01 22 23 00-1271	MO		500 To 600 Gallon Water Trailer With Pump .....	1,101.73	

**01 30 Administrative Requirements** (01)

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

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

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

<b>01 35 29 00-0001 Emergency Response</b> (01 35 29)			See CSI section 01 22 20 00-0001 for labor services to load and unload shipping container, 01 22 20 00-0045 for security guards, 01 22 23 00-0000 for portable equipment usage (air compressors, generators, lighting, etc.), 01 52 13 00-0015 for container usage.		
01 35 29 00-0002	MI		Trucking Delivery Of 20' Shipping Container .....	2.13	
01 35 29 00-0003	MI		Trucking Delivery Of 40' Shipping Container .....	4.25	

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

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

<b>01 35 33 00-0001 Infection Prevention Inspection Reports</b> (01 35 33)					
01 35 33 00-0002	HR		Infection Prevention Inspection Reports .....	105.00	

**01 40 Quality Requirements** (01)

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

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

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

<b>01 45 23 00-0001 Concrete/Cement/Asphalt Testing</b> (01 45 23)					
<b>01 45 23 00-0002 Concrete Testing</b> (01 45 23 00-0001)					
01 45 23 00-0003	EA		Concrete Cores Compression Test, ASTM C-42 .....	116.30	
01 45 23 00-0004	EA		Prepare 6 x 12 Concrete Cylinder And Deliver To Lab .....	22.46	
01 45 23 00-0005	EA		6 x 12 Cylinder Concrete Compression Test, ASTM C-39 Or ASTM D1633 .....	56.84	
01 45 23 00-0006	EA		6 x 6 x 18 Concrete Flexural Test, ASTM C-78 .....	169.97	
01 45 23 00-0007	EA		Unit Weight Of Concrete Cylinder, ASTM C-567 .....	62.62	
01 45 23 00-0008	EA		Concrete Mix Design Review .....	339.95	
01 45 23 00-0009	EA		Trial Concrete Batch Prepared In Laboratory .....	805.14	
01 45 23 00-0010	EA		Concrete Shrinkage, ASTM C-157 Modified .....	626.22	
01 45 23 00-0011	EA		6 x 12 Concrete Cylinder Splitting Tensile Test, ASTM C-496 .....	96.62	
01 45 23 00-0012	EA		Concrete Slump Test, ASTM C143 .....	44.73	
01 45 23 00-0013	EA		Concrete Air Content Test, ASTM C138, ASTM C173, Or ASTM C231 .....	44.73	

**01 45 23 00-0014 Cement Testing** (01 45 23 00-0001)

01 45 23 00-0015	EA		Cement Grab Sample (CCR Title 24) .....	44.73	
			Note: Includes sealing and storing 1 year.		
01 45 23 00-0016	EA		2' x 2' x 2' Cube Compression Test, All Type Materials .....	71.57	

**01 45 23 00-0017 Asphaltic Concrete Testing** (01 45 23 00-0001)

01 45 23 00-0018	EA		Hveem Asphaltic Concrete Stability Test, CA 366 .....	89.46	
01 45 23 00-0019	EA		Marshall Asphaltic Concrete Stability Test (3 Specimens), ASTM D-6926/6927 .....	232.60	
01 45 23 00-0020	EA		Stability Tests, Premixed, ASTM D1559 .....	89.46	
01 45 23 00-0021	EA		Stability Tests, Lab. Mixed, ASTM D1559 .....	232.60	
01 45 23 00-0022	EA		Swell Test, CA 305 .....	107.35	
			Note: Includes compaction.		
01 45 23 00-0023	EA		% Asphalt Extraction Test, ASTM D-2172 B .....	268.38	
01 45 23 00-0024	EA		Maximum Theoretical Unit Weight, ASTM C2041 .....	170.52	
01 45 23 00-0025	EA		Unit Weight Sample Requiring Compaction, California Test Method 308 .....	35.78	
01 45 23 00-0026	EA		Asphalt Unit Weight On Core Test, CA 308C .....	35.78	
01 45 23 00-0027	HR		Nuclear Field Density Testing, 4 Hour Minimum .....	184.29	
01 45 23 00-0028	EA		Asphalt Film Stripping Test, CTM 302/AASHTO T182/ASTM D1664 .....	120.73	
01 45 23 00-0029	EA		Penetration, ASTM D5 .....	129.23	

**01 45 23 00-0030 Metals Testing** (01 45 23)

**01 45 23 00-0031 Tank Tightness Testing** (01 45 23 00-0030)

01 45 23 00-0032	GAL		Up To 20 Gallon, Hydrostatic Pressure Testing Of Air Receiving Tanks .....	7.68	
01 45 23 00-0033	GAL		>20 To 120 Gallon, Hydrostatic Pressure Testing Of Air Receiving Tanks .....	6.58	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 45 23 00-0034	EA		Up To 12,000 Gallons, Tank Volumetric Tightness Testing.....	1,974.51	
01 45 23 00-0035	EA		>12,000 To 29,999 Gallons, Tank Volumetric Tightness Testing .....	2,412.52	
01 45 23 00-0036	EA		>29,999 Gallons, Tank Volumetric Tightness Testing.....	3,072.44	
<b>01 45 23 00-0037</b>			<b>Tank Line Tightness Testing</b> (01 45 23 00-0030)		
01 45 23 00-0038	EA		Up To 12,000 Gallons, Tank Line Volumetric Tightness Testing .....	416.63	
01 45 23 00-0039	EA		>12,000 To 29,999 Gallons, Tank Line Volumetric Tightness Testing.....	462.63	
01 45 23 00-0040	EA		>29,999 Gallons, Tank Line Volumetric Tightness Testing.....	508.46	
<b>01 45 23 00-0041</b>			<b>Other Testing</b> (01 45 23)		
<b>01 45 23 00-0042</b>			<b>Special Testing</b> (01 45 23 00-0041)		
01 45 23 00-0043	EA		Asphalt Roofing Cut-out Samples, To Determine Unit Weight.....	138.68	
01 45 23 00-0044	EA		Complete Built-Up Roof Analysis, ASTM D2829 Or ASTM D3617 .....	832.10	
01 45 23 00-0045	EA		Bacteria Test (Total Coliform Bacteria And E. Coli Bacteria).....	41.84	
01 45 23 00-0046	EA		Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Caulk, Analysis Per Sample.....	173.43	
01 45 23 00-0047	EA		Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Soil, Analysis Per Sample .....	173.43	
01 45 23 00-0048	EA		Testing For The Presence Of Polychlorinated Biphenyl (PCB) Using Wipe Sampling, Analysis Per Sample.....	173.43	
01 45 23 00-0049	EA		Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Air, Analysis Per Sample .....	953.86	
01 45 23 00-0050	EA		Testing And Certification Of Backflow Valves.....	499.09	
<b>01 45 23 00-0051</b>			<b>Nondestructive Field Testing Services</b> (01 45 23 00-0041)		
<b>01 45 23 00-0052</b>			<b>Infrared Thermography</b> (01 45 23 00-0051) Note: The following tasks use certified infrared (IR) thermographers, such as Stockton Infrared Thermographic Services, Inc. and United Infrared, Inc., to scan for specific problems and produce a report on the findings. The contractor is entitled to the mobilization charge and the appropriate square foot or hourly task.		
<b>01 45 23 00-0053</b>			<b>Roof Investigation And Moisture Survey Using Infrared Thermography</b> (01 45 23 00-0052) Note: For on the roof surveys.		
01 45 23 00-0054	EA		Roof Investigation And Moisture Survey Using Infrared Thermography, Mobilization Charge.....	3,121.74	
01 45 23 00-0055	CSF		Up To 10,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography .....	5.20	
			For CADD Drawings, Add	1.04	
01 45 23 00-0056	CSF		>10,000 To 50,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography.....	3.47	
			For CADD Drawings, Add	0.69	
01 45 23 00-0057	CSF		>50,000 To 250,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography.....	2.60	
			For CADD Drawings, Add	0.52	
			For Elevated Infrared Thermography Roof Investigation, Add	0.65	
			For Aerial Infrared Thermography Roof Investigation, Add	0.65	
01 45 23 00-0058	CSF		>250,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography.....	1.73	
			For CADD Drawings, Add	0.35	
			For Elevated Infrared Thermography Roof Investigation, Add	0.43	
			For Aerial Infrared Thermography Roof Investigation, Add	0.43	
<b>01 45 23 00-0059</b>			<b>Building Moisture Investigation Using Infrared Thermography</b> (01 45 23 00-0052) Note: For finding moisture in walls and windows.		
01 45 23 00-0060	EA		Building Moisture Investigation Using Infrared Thermography, Mobilization Charge.....	1,647.58	
01 45 23 00-0061	CSF		Up To 1,000 SF, Building Moisture Investigation Using Infrared Thermography .....	5.20	
			For Digital Or Analog Recording Of All Items, Add	2.60	
01 45 23 00-0062	CSF		>1,000 To 5,000 SF, Building Moisture Investigation Using Infrared Thermography .....	3.47	
			For Digital Or Analog Recording Of All Items, Add	1.74	
01 45 23 00-0063	CSF		>5,000 SF, Building Moisture Investigation Using Infrared Thermography.....	1.73	
			For Digital Or Analog Recording Of All Items, Add	0.87	
<b>01 45 23 00-0064</b>			<b>General Building Investigation Using Infrared Thermography</b> (01 45 23 00-0052) Note: For finding missing or misplaced insulation, air leakage and delamination.		
01 45 23 00-0065	EA		General Building Investigation Using Infrared Thermography, Mobilization Charge.....	3,381.88	
01 45 23 00-0066	CSF		Up To 1,000 SF, General Building Investigation Using Infrared Thermography .....	5.20	
			For Digital Or Analog Recording Of All Items, Add	2.60	
01 45 23 00-0067	CSF		>1,000 To 5,000 SF, General Building Investigation Using Infrared Thermography.....	3.47	
			For Digital Or Analog Recording Of All Items, Add	1.74	
01 45 23 00-0068	CSF		>5,000 SF, General Building Investigation Using Infrared Thermography .....	1.73	
			For Digital Or Analog Recording Of All Items, Add	0.87	
<b>01 45 23 00-0069</b>			<b>Electrical /Mechanical Equipment Scanning Using Infrared Thermography</b> (01 45 23 00-0052) Note: For diagnosing electrical issues such as loose connections, overloaded or imbalanced circuits, faulty breakers, damaged switches, faulty fuses, etc. For diagnosing electrical issues caused by resistance and mechanical issues caused by friction.		
01 45 23 00-0070	EA		Electrical /Mechanical Equipment Scanning Using Infrared Thermography, Mobilization Charge.....	1,647.58	
01 45 23 00-0071	HR		Electrical /Mechanical Equipment Scanning Using Infrared Thermography .....	192.91	
			For Digital Or Analog Recording Of All Items, Add	28.86	
<b>01 45 23 00-0072</b>			<b>Concrete Block Wall Investigation Using Infrared Thermography</b> (01 45 23 00-0052) Note: For investigating issues with grouted cells, bond beams and other structural components in concrete block walls.		
01 45 23 00-0073	EA		Concrete Block Wall Investigation Using Infrared Thermography, Mobilization Charge .....	1,647.58	
01 45 23 00-0074	CSF		Up To 50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography.....	5.20	
			For Digital Or Analog Recording Of All Items, Add	0.78	
01 45 23 00-0075	CSF		>50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography .....	3.47	
			For Digital Or Analog Recording Of All Items, Add	0.52	

**01 General Requirements****01 40 Quality Requirements****01 45 Quality Control**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

01 45 23 00-0076	<b>Other Nondestructive Field Testing Services</b> (01 45 23 00-0051)		
01 45 23 00-0077	HR	ASNT Certified Level I NDT Consultant .....	86.28
01 45 23 00-0078	HR	ASNT Certified Level II NDT Consultant .....	107.60
01 45 23 00-0079	HR	ASNT Certified Level III NDT Consultant .....	123.48
01 45 23 00-0080	HR	Certified Industrial Radiography Radiation Safety Personnel .....	76.45
01 45 23 00-0081	<b>Testing Professional Services</b> (01 45 23 00-0041)		
01 45 23 00-0082	HR	Concrete, Steel, Masonry, Expansion Anchor And Soils Inspection .....	166.40
01 45 23 00-0083	HR	Laboratory Technician .....	161.03
01 45 23 00-0084	HR	Portable Digital Reinforcement Scanner .....	232.60
01 45 23 00-0085	HR	Subsurface Detection Radar System .....	393.62
01 45 23 00-0086	HR	Pavement Rehabilitation Analysis Using Deflectors.....	447.30
01 45 23 00-0087	<b>Soils/Aggregate Testing</b> (01 45 23)		
01 45 23 00-0088	<b>Field Soils Tests</b> (01 45 23 00-0087)		
01 45 23 00-0089	EA	Plasticity Index Soils Test, ASTM D-4318, Field Soils Test .....	277.33
01 45 23 00-0090	EA	4" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test .....	393.62
01 45 23 00-0091	EA	6" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test .....	447.30
01 45 23 00-0092	EA	Resistance (R) Value Soils Test, CA 301, Field Soils Test.....	357.84
01 45 23 00-0093	EA	Soils Classification Test, ASTM D-2487, Field Soils Test.....	536.76
01 45 23 00-0094	SET	Cement Treated Base Laboratory Design, Soil Cement, Field Soils Test.....	1,073.16
01 45 23 00-0095	EA	Moisture Content, Field Soils Test .....	40.24
01 45 23 00-0096	EA	UBC Or Swell Test, Field Soils Test .....	140.98
01 45 23 00-0097	EA	Proctor Compaction 4" Standard Mold ASTM D698, Field Soils Test.....	268.29
01 45 23 00-0098	EA	Proctor Compaction 6" Standard Mold, Field Soils Test .....	335.36
01 45 23 00-0099	EA	Density And Classification Test, Field Soils Test .....	107.32
01 45 23 00-0100	EA	Percolation Test, Field Soils Test.....	268.29
01 45 23 00-0101	EA	Infiltration Test, Field Soils Test.....	536.58
01 45 23 00-0102	<b>Aggregate Testing</b> (01 45 23 00-0087)		
01 45 23 00-0103	EA	Coarse Aggregate Sieve Analysis Test, ASTM C-136, CA 202 .....	89.46
01 45 23 00-0104	EA	Fine Aggregate Sieve Analysis Test, ASTM C-136, CA 202.....	161.03
01 45 23 00-0105	EA	Combined Aggregate Sieve Analysis Test, ASTM C-136, CA 202 .....	223.65
01 45 23 00-0106	EA	Sieve Analysis, Pit Run, ASTM C136 .....	174.39
		Note: Includes wash.	
01 45 23 00-0107	EA	Specific Special Gravity, Course, ASTM C127 .....	142.10
		Note: Includes absorption test.	
01 45 23 00-0108	EA	Special Gravity, Fine, ASTM C127 .....	127.44
		Note: Includes absorption test.	
01 45 23 00-0109	EA	Coarse Aggregate Bulk SSD Specific Gravity Test, ASTM C-128 .....	189.47
01 45 23 00-0110	EA	Fine Aggregate Bulk SSD Specific Gravity Test, ASTM C-128.....	178.92
01 45 23 00-0111	EA	Aggregate Cleanness Value, ASTM C-128, CA 227 .....	178.92
01 45 23 00-0112	EA	Sand Equivalent, Average of 3 Tests, ASTM D2419, CA 217 .....	134.19
01 45 23 00-0113	EA	Fine Aggregate Durability Index, CA 229 .....	143.14
01 45 23 00-0114	EA	Sodium And Magnesium Soundness, ASTM C88.....	375.60
01 45 23 00-0115	EA	Los Angeles Rattler, ASTM C-131, CA 211 .....	286.27
01 45 23 00-0116	EA	Los Angeles Rattler, ASTM C-535 .....	286.27
01 45 23 00-0117	EA	Unit Weight Of Aggregates, ASTM C29 .....	80.51
01 45 23 00-0118	EA	Organic Impurities In Sand, ASTM C40 .....	80.49
01 45 23 00-0119	EA	Crushed Particle, ASTM California Test Method .....	80.49
01 45 23 00-0120	EA	Clay Lump And Friable Particles, ASTM C142 .....	160.97
01 45 23 00-0121	<b>Permeability Tests</b> (01 45 23 00-0087)		
01 45 23 00-0122	<b>In-Place Tests</b> (01 45 23 00-0121)		
01 45 23 00-0123	EA	Double Ring Infiltrometer Test, ASTM D3385.....	1,421.02
01 45 23 00-0124	EA	Unconfined Compressive Strength (Pocket Penetrometer) Test .....	67.07
01 45 23 00-0125	<b>Lab Tests</b> (01 45 23 00-0121)		
01 45 23 00-0126	EA	Falling Head Rigid Wall Consolidometer Technique CAE.....	663.14
01 45 23 00-0127	EA	Falling Head Permeability Test EPA-9100.....	663.14
01 45 23 00-0128	EA	Constant Head Permeability Test For Granular Soils, ASTM D2432.....	378.94
01 45 23 00-0129	<b>Masonry/Concrete Block/Tile Testing</b> (01 45 23)		
01 45 23 00-0130	<b>Masonry Testing</b> (01 45 23 00-0129)		
01 45 23 00-0131	EA	2" x 4" Cylinder Mortar Compression Test .....	59.04
01 45 23 00-0132	EA	4" x 4" x 8" Grout Prisms Compression Test.....	59.04
01 45 23 00-0133	EA	Masonry Cores Compression Test.....	116.30
01 45 23 00-0134	EA	Composite Grouted Prism Compression Test.....	223.65
01 45 23 00-0135	<b>Concrete Block Testing (ASTM C140 Or CMA Per Specimen)</b> (01 45 23 00-0129)		
01 45 23 00-0136	EA	Up To 8" x 8" x 16" Concrete Block Compression Test, ASTM C-140.....	143.14
01 45 23 00-0137	EA	Absorption Test, Moisture Content And Unit Weight.....	98.41
01 45 23 00-0138	EA	First Unit, Moisture Condition By Relative Humidity, ASTM C427 .....	375.60

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 45 23 00-0139 EA Moisture Condition By Relative Humidity, ASTM C427, Additional Unit ..... 187.80

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

01 45 29 00-0001 **Soil Borings Laboratory Tests (01 45 29)**  
See CSI section 02 32 13 00-0000 for soil borings.

01 45 29 00-0002	EA	Atterberg Limits - Liquid Limits (LL) And Plastic Limits (PL), T89, T90, ASTM D4318, Soil Borings Laboratory Test.....	123.16
01 45 29 00-0003	EA	Shrinkage Limit, Soil Borings Laboratory Test.....	39.30
01 45 29 00-0004	EA	Unconfined Compressive Strength of Cohesive Soils, Soil Borings Laboratory Test.....	94.74
01 45 29 00-0005	EA	Consolidation, Soil Borings Laboratory Test.....	663.14
01 45 29 00-0006	EA	Swell Test, Soil Borings Laboratory Test.....	131.00
01 45 29 00-0007	EA	In Place Density, Soil Borings Laboratory Test.....	28.42
01 45 29 00-0008	EA	Moisture Content, ASTM D2216, Soil Borings Laboratory Test.....	17.66
01 45 29 00-0009	EA	Hydrometer Analysis, Soil Borings Laboratory Test.....	227.95
01 45 29 00-0010	EA	Specific Gravity, ASTM D854, Soil Borings Laboratory Test.....	79.49
01 45 29 00-0011	EA	Partial Sieve Analysis, Soil Borings Laboratory Test.....	15.72
01 45 29 00-0012	EA	Laboratory Permeability, Soil Borings Laboratory Test.....	786.03
01 45 29 00-0013	EA	Sieve Analysis, ASTM D422, Soil Borings Laboratory Test.....	158.99
01 45 29 00-0014	EA	Sulfate Soundness, Soil Borings Laboratory Test.....	196.51
01 45 29 00-0015	EA	Los Angeles Abrasion, Soil Borings Laboratory Test.....	458.19
01 45 29 00-0016	EA	Soil Bearing Ratio, ASTM D1883.....	402.57
01 45 29 00-0017	EA	Compaction Test Subgrade, Soil Borings Laboratory Test.....	117.90
01 45 29 00-0018	EA	Compaction Test Base Course, Soil Borings Laboratory Test.....	99.76
01 45 29 00-0019	EA	In Place Density And Water Content Test By Nuclear Methods, ASTM D6938, Soil Borings Laboratory Test.....	387.70
01 45 29 00-0020	EA	Field Density Sand Cone, AASHTO T-191, ASTM D1556, Soil Borings Laboratory Test.....	60.26

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

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

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

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

01 51 13 00-0001 **Temporary Service Switch And/Or Building Feeder Switch (01 51 13)**  
Note: Includes all connections and removal after use.

01 51 13 00-0002	EA	Temporary 100 Amperes, NEMA 1 Or 3R, Disconnect Switch With Fuses.....	1,383.98
01 51 13 00-0003	EA	Temporary 200 Amperes, NEMA 1 Or 3R, Disconnect Switch With Fuses.....	2,146.29
01 51 13 00-0004	EA	Temporary 400 Amperes, 240 Volt, NEMA 3R, Disconnect Switch With Fuses.....	3,940.06
01 51 13 00-0005	EA	Temporary 600 Amperes, 240 Volt, NEMA 3R, Disconnect Switch With Fuses.....	6,487.30

01 51 13 00-0006 **Temporary 120/208 Volt Main Lug Panelboard Complete With Branch Fuses (01 51 13)**  
Note: Includes mounting on wall and removal after use.

01 51 13 00-0007	EA	Temporary 100 Amperes, Panelboard Complete With GFCI Circuit Breakers.....	1,439.53
01 51 13 00-0008	EA	Temporary 200 Amperes, Panelboard Complete With GFCI Circuit Breakers.....	2,006.64
01 51 13 00-0009	EA	Temporary 400 Amperes, Panelboard Complete With GFCI Circuit Breakers.....	3,140.55
01 51 13 00-0010	EA	Temporary 600 Amperes, Panelboard Complete With GFCI Circuit Breakers.....	4,459.32

01 51 13 00-0011 **Temporary Conduit And Cable For Temporary Disconnect Switches And Temporary Panelboards (01 51 13)**  
Note: Includes all connections, fittings, supports and removal after use.

01 51 13 00-0012	LF	Temporary SER Cable (Conduit As Required) For Temporary Disconnect Switches And Temporary Panelboards.....	9.56
01 51 13 00-0013	LF	Temporary Branch Circuit Conduit And Wiring For Temporary Disconnect Switches And Temporary Panelboards.....	10.47

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

01 51 26 00-0001 **Temporary Devices (01 51 26)**  
Note: Includes removal after use.

01 51 26 00-0002	EA	Temporary Exit Light.....	291.29
01 51 26 00-0003	EA	Temporary 10 Light String With Cages.....	101.65
01 51 26 00-0004	EA	Temporary High Bay Light.....	376.50

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

Note: Tasks in this section shall be used as directed by owner for owner's use.

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

01 52 13 00-0001 **Field Offices and Office Trailers (01 52 13)**  
Note: Excludes furniture, utility connections and service. Minimum 6 months rental.

01 52 13 00-0002	MO	8' x 24' Mobile Office, With Toilet.....	180.51
		For Each Delivery And Removal, Two Round Trips, Add	693.36
		For Each Set-Up (Block And Level), Add	420.89
		For Each Anchoring Into Dirt, Add	128.35
		For Each Anchoring Into Asphalt Or Concrete, Add	192.52
		For Office Trailer Without Toilet, Deduct	-36.10
01 52 13 00-0003	MO	8' x 32' Mobile Office, With Toilet.....	204.57
		For Each Delivery And Removal, Two Round Trips, Add	693.36
		For Each Set-Up (Block And Level), Add	420.89
		For Each Anchoring Into Dirt, Add	128.35
		For Each Anchoring Into Asphalt Or Concrete, Add	192.52
		For Office Trailer Without Toilet, Deduct	-40.91

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

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

01 52 13 00-0004	MO 10' x 36' Mobile Office, With Toilet.....	276.77	
	For Each Delivery And Removal, Two Round Trips, Add	982.27	
	For Each Set-Up (Block And Level), Add	686.71	
	For Each Anchoring Into Dirt, Add	128.35	
	For Each Anchoring Into Asphalt Or Concrete, Add	192.52	
	For Office Trailer Without Toilet, Deduct	-55.35	
01 52 13 00-0005	MO 10' x 40' Mobile Office, With Toilet.....	294.83	
	For Each Delivery And Removal, Two Round Trips, Add	982.27	
	For Each Set-Up (Block And Level), Add	686.71	
	For Each Anchoring Into Dirt, Add	128.35	
	For Each Anchoring Into Asphalt Or Concrete, Add	192.52	
	For Office Trailer Without Toilet, Deduct	-58.97	
01 52 13 00-0006	MO 10' x 44' Mobile Office, With Toilet.....	324.91	
	For Each Delivery And Removal, Two Round Trips, Add	982.27	
	For Each Set-Up (Block And Level), Add	686.71	
	For Each Anchoring Into Dirt, Add	128.35	
	For Each Anchoring Into Asphalt Or Concrete, Add	192.52	
01 52 13 00-0007	MO 10' x 50' Mobile Office, With Toilet.....	342.96	
	For Each Delivery And Removal, Two Round Trips, Add	982.27	
	For Each Set-Up (Block And Level), Add	686.71	
	For Each Anchoring Into Dirt, Add	128.35	
	For Each Anchoring Into Asphalt Or Concrete, Add	192.52	
01 52 13 00-0008	MO 12' x 32' Mobile Office, With Toilet.....	265.34	
	For Each Anchoring Into Dirt, Add	128.35	
	For Each Anchoring Into Asphalt Or Concrete, Add	192.52	
	For Each Delivery And Set-Up (Block And Level), Add	959.26	
	For Each Knock-Down And Pick-Up, Add	764.26	
01 52 13 00-0009	MO 12' x 44' Mobile Office, With Toilet.....	354.76	
	For Each Delivery And Removal, Two Round Trips, Add	982.27	
	For Each Set-Up (Block And Level), Add	686.71	
	For Each Anchoring Into Dirt, Add	128.35	
	For Each Anchoring Into Asphalt Or Concrete, Add	192.52	
01 52 13 00-0010	MO 12' x 50' Mobile Office, With Toilet.....	403.13	
	For Each Delivery And Removal, Two Round Trips, Add	982.27	
	For Each Set-Up (Block And Level), Add	686.71	
	For Each Anchoring Into Dirt, Add	128.35	
	For Each Anchoring Into Asphalt Or Concrete, Add	192.52	
01 52 13 00-0011	MO 12' x 60' Mobile Office, With Toilet.....	439.23	
	For Each Delivery And Removal, Two Round Trips, Add	982.27	
	For Each Set-Up (Block And Level), Add	686.71	
	For Each Anchoring Into Dirt, Add	128.35	
	For Each Anchoring Into Asphalt Or Concrete, Add	192.52	
01 52 13 00-0012	MO 24' x 60' Modular Office, With Toilet.....	962.68	
	For Each Delivery And Removal, Two Round Trips, Add	1,848.97	
	For Each Set-Up (Block And Level), Add	1,107.60	
	For Each Anchoring Into Dirt, Add	128.35	
	For Each Anchoring Into Asphalt Or Concrete, Add	192.52	
01 52 13 00-0013	MO 24' x 72' Modular Office, With Toilet.....	1,155.22	
	For Each Delivery And Removal, Two Round Trips, Add	1,848.97	
	For Each Set-Up (Block And Level), Add	1,107.60	
	For Each Anchoring Into Dirt, Add	128.35	
	For Each Anchoring Into Asphalt Or Concrete, Add	192.52	
01 52 13 00-0014	MO 30' x 30' Modular Office, With Toilet.....	549.03	
	For Each Delivery And Removal, Two Round Trips, Add	1,848.97	
	For Each Set-Up (Block And Level), Add	1,107.60	
	For Each Anchoring Into Dirt, Add	128.35	
	For Each Anchoring Into Asphalt Or Concrete, Add	192.52	

**01 52 13 00-0015 Storage Containers** (01 52 13)

01 52 13 00-0016	MO 8' x 8' x 10' Storage Container .....	211.75	
	For Each Delivery And Removal, Two Round Trips, Add	169.12	
	For >12 Months, Deduct	-63.53	
01 52 13 00-0017	MO 8' x 8' x 20' Storage Container .....	221.38	
	For Each Delivery And Removal, Two Round Trips, Add	186.03	
	For >12 Months, Deduct	-66.41	
01 52 13 00-0018	MO 8' x 8' x 40' Storage Container .....	261.80	
	For Each Delivery And Removal, Two Round Trips, Add	374.66	
	For >12 Months, Deduct	-78.54	

**01 52 19 Sanitary Facilities** (01 52)

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

Note: Includes set-up, servicing once per week and removal.

01 52 19 00-0002	WK Portable Chemical Toilet.....	30.00	
	For Each Additional Servicing Per Unit Per Week, Add	25.00	
	For Each Delivery, Add	55.00	
01 52 19 00-0003	MO Portable Chemical Toilet.....	89.99	
	For Each Additional Servicing Per Unit Per Week, Add	25.00	
	For Each Delivery, Add	55.00	
01 52 19 00-0004	WK Americans With Disabilities Act Compliant Portable Chemical Toilet.....	35.78	
	For Each Additional Servicing Per Unit Per Week, Add	25.00	
	For Each Delivery, Add	55.00	
01 52 19 00-0005	MO Americans With Disabilities Act Compliant Portable Chemical Toilet.....	104.99	
	For Each Additional Servicing Per Unit Per Week, Add	25.00	
	For Each Delivery, Add	55.00	
01 52 19 00-0006	WK Two Station Portable Handwash.....	44.22	
	For Each Delivery, Add	55.00	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 52 19 00-0007	MO	Two Station Portable Handwash.....	134.15	
		<i>For Each Delivery, Add</i>	55.00	
01 52 19 00-0008	MO	6 Station, Portable Toilets, Multi Trailer.....	3,686.54	
		<i>Note: Includes women's room (3 toilets, 2 sinks) and men's room (1 toilet, 1 urinal and 1 sink)</i>		
01 52 19 00-0009	WK	Service 6 Station Trailer Restrooms, 3 Times Per Week.....	2,126.85	

**01 53 Temporary Construction** (01 50)

**01 53 16 Temporary Decking** (01 53)

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

<i>Note: Includes removal after use.</i>				
01 53 16 00-0002	SF	Temporary Wood Walkway, 3/4" Plywood On 2 x 6 Stringers.....	6.78	
01 53 16 00-0003	LF	Temporary Wooden Guardrail, 42" High, Posts, Handrail, And Intermediate Rail.....	33.69	
01 53 16 00-0004	LF	Temporary Wood Guardrail Base, 12" x 12" Timber Beam.....	12.46	
01 53 16 00-0005	RSR	Temporary Wood Stairs, Tread And Riser On 2" x 12" Stringers.....	23.17	

**01 53 23 Temporary Ramps** (01 53)

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

<i>Note: Includes removal after use.</i>				
01 53 23 00-0002	SF	Temporary Plywood For Wheel Barrow Access.....	1.72	0.48

**01 54 Construction Aids** (01 50)

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

**01 54 09 00-0001 Personnel Protection Equipment** (01 54 09)

<i>Note: Personnel Protection Equipment (PPE) for workers safety is considered as part of the Contractor's and Workers responsibility. Includes, but are not limited to; protective work gloves, hearing protection, protective clothing, reflective vests, safety glasses or face shields, dust masks, hard hats, appropriate foot protection (slip resistant, puncture-resistant soles, safety-toed), safety harnesses with lifeline, etc. Review JOC Note and specifications for requirements.</i>				
01 54 09 00-0002	NTE	Personnel Protection Equipment.....	0.00	

**01 54 23 Temporary Scaffolding and Platforms** (01 54)

**01 54 23 00-0001 Scaffolding** (01 54 23)

*Note: Additional scaffolding rental for work above the normal working height.*

**01 54 23 00-0002 Scaffolding Rental - Rental Only** (01 54 23 00-0001)

<i>Note: Monthly rental of actual scaffolding volume rented. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps and building ties, etc. See CSI section 01 54 23 00-0006 for scaffolding erection and dismantling.</i>				
01 54 23 00-0003	CCF	Scaffolding With Bracing Accessories - Area Based On 5' Wide Sections (CCF / Month).....	28.12	
		<i>For Up To 25, Add</i>	11.25	
		<i>For &gt;25 To 50, Add</i>	7.03	
		<i>For &gt;50 To 150, Add</i>	2.81	
01 54 23 00-0004	CCF	Scaffolding With Bracing Accessories - Area Based On 4' Wide Sections (CCF / Month).....	31.62	
		<i>For Up To 25, Add</i>	12.65	
		<i>For &gt;25 To 50, Add</i>	7.91	
		<i>For &gt;50 To 150, Add</i>	3.16	
01 54 23 00-0005	CCF	Scaffolding With Bracing Accessories - Area Based On 3' Wide Sections (CCF / Month).....	42.18	
		<i>For Up To 25, Add</i>	16.87	
		<i>For &gt;25 To 50, Add</i>	10.55	
		<i>For &gt;50 To 150, Add</i>	4.22	

**01 54 23 00-0006 Scaffolding Erection And Dismantling - Labor Only** (01 54 23 00-0001)

<i>Note: Includes both initial erection and final dismantling Excludes lifting equipment. The unit of measure is the volume of scaffolding erected. See CSI section 01 54 23 00-0002 for scaffolding rental.</i>				
01 54 23 00-0007	CCF	Up To 20' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....	50.43	
01 54 23 00-0008	CCF	>20' To 40' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....	63.03	
01 54 23 00-0009	CCF	>40' To 60' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....	75.63	
01 54 23 00-0010	CCF	>60' To 80' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....	83.20	
01 54 23 00-0011	CCF	>80' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....	95.81	
01 54 23 00-0012	CCF	Up To 20' Height Scaffolding Initial Erection And Final Dismantling Set Up On Stairs, Per CCF Of Scaffolding And Accessories.....	60.52	

**01 54 23 00-0013 Heavy Duty Masonry Scaffolding Rental - Rental Only** (01 54 23 00-0001)

<i>Note: Monthly rental of actual scaffolding volume rented. For projects over 2 stories. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps, flat plate, connectors and building ties, etc. See CSI section 01 54 23 00-0019 for erection.</i>				
01 54 23 00-0014	CCF	Heavy Duty Masonry Scaffolding With Bracing Accessories - Area Based On 4' Wide Sections (CCF / Month).....	55.20	
01 54 23 00-0015	CCF	Heavy Duty Masonry Scaffolding With Bracing Accessories - Area Based On 2' Wide Sections (CCF / Month).....	101.19	
01 54 23 00-0016	LF	Aluminum Joists (LF / Month).....	8.97	
01 54 23 00-0017	LF	Aluminum Stringers (LF / Month).....	12.87	
01 54 23 00-0018	EA	Screw Jack With U-Plate For Stringers (EA / Month).....	16.22	

**01 General Requirements**  
**01 50 Temporary Facilities and Controls**  
**01 54 Construction Aids**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

01 54 23 00-0019	<b>Heavy Duty Masonry Scaffolding Erection And Dismantling - Labor Only</b> <small>(01 54 23 00-0001)</small>	
	Note: Includes both initial erection and final dismantling. Excludes lifting equipment. The unit of measure is the volume of scaffolding erected. See CSI section 01 54 23 00-0013 for scaffolding rental.	
01 54 23 00-0020	CCF Up To 20' Height Heavy Duty Masonry Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....	80.68
01 54 23 00-0021	CCF >20' To 40' Height Heavy Duty Masonry Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....	100.85
01 54 23 00-0022	CCF >40' To 60' Height Heavy Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....	121.02
01 54 23 00-0023	CCF >60' To 80' Height Heavy Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....	131.11
01 54 23 00-0024	CCF >80' Height Heavy Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....	146.24
01 54 23 00-0025	<b>Scaffolding Accessories</b> <small>(01 54 23 00-0001)</small>	
	See CSI section 01 54 23 00-0019 for erection.	
01 54 23 00-0026	CSF Netting for Exterior Building Scaffolding.....	35.14
	Note: Includes removal after use.	
01 54 23 00-0027	<b>Rolling Scaffolding</b> <small>(01 54 23)</small>	
	Note: Includes moving and relocating scaffolding on site. Excludes initial erection and final dismantling of scaffold.	
01 54 23 00-0028	DAY >14' To 20', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section).....	10.39
01 54 23 00-0029	WK >14' To 20', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section).....	41.65
01 54 23 00-0030	MO >14' To 20', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section).....	166.57
01 54 23 00-0031	DAY >20' To 40', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section).....	17.40
01 54 23 00-0032	WK >20' To 40', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section).....	69.68
01 54 23 00-0033	MO >20' To 40', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section).....	278.76
01 54 23 00-0034	EA >14' To 20', Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold.....	99.10
01 54 23 00-0035	EA >20' To 40', Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold.....	123.88
01 54 23 00-0036	<b>Shoring Posts</b> <small>(01 54 23)</small>	
	Note: Includes moving to perform task and removal after use. No additional cost for relocating will be allowed.	
01 54 23 00-0037	DAY 6'-6" To 11' Extension, 5,000 LB Capacity, Steel Shoring Post.....	6.48
01 54 23 00-0038	WK 6'-6" To 11' Extension, 5,000 LB Capacity, Steel Shoring Post.....	19.44
01 54 23 00-0039	MO 6'-6" To 11' Extension, 5,000 LB Capacity, Steel Shoring Post.....	32.41
01 54 23 00-0040	<b>Temporary Lumber</b> <small>(01 54 23)</small>	
	Note: Includes removal after use.	
01 54 23 00-0041	SF 5/16" CD Grade Plywood, Temporary Lumber.....	3.03
01 54 23 00-0042	SF 1/2" CD Grade Plywood, Temporary Lumber.....	3.58
01 54 23 00-0043	SF 5/8" CD Grade Plywood, Temporary Lumber.....	4.11
01 54 23 00-0044	SF 3/4" CD Grade Plywood, Temporary Lumber.....	4.74
01 54 23 00-0045	SF 1" CD Grade Plywood, Temporary Lumber.....	7.58
01 54 23 00-0046	LF 2" x 4" Temporary Lumber.....	3.83
01 54 23 00-0047	LF 2" x 6" Temporary Lumber.....	5.05
01 54 23 00-0048	LF 2" x 8" Temporary Lumber.....	6.26
01 54 23 00-0049	LF 2" x 10" Temporary Lumber.....	7.49
01 54 23 00-0050	LF 2" x 12" Temporary Lumber.....	8.70
01 54 23 00-0051	LF 3" x 8" Temporary Lumber.....	8.70
01 54 23 00-0052	LF 3" x 10" Temporary Lumber.....	10.51
01 54 23 00-0053	LF 3" x 12" Temporary Lumber.....	12.35
01 54 23 00-0054	LF 4" x 4" Temporary Lumber.....	5.71
01 54 23 00-0055	LF 4" x 6" Temporary Lumber.....	8.51
01 54 23 00-0056	LF 6" x 6" Temporary Lumber.....	11.30
01 54 23 00-0057	LF 6" x 8" Temporary Lumber.....	14.80
01 54 23 00-0058	LF 12" x 12" Temporary Lumber.....	38.90
01 54 23 00-0059	<b>Temporary Precast Concrete Blocks</b> <small>(01 54 23)</small>	
	Note: Includes removal after use.	
01 54 23 00-0060	EA 2' x 2' x 2' Temporary Precast Concrete Block.....	103.05
01 54 23 00-0061	EA 2' x 2' x 4' Temporary Precast Concrete Block.....	128.81
01 54 23 00-0062	EA 2' x 2' x 8' Temporary Precast Concrete Block.....	154.58
01 54 26	<b>Temporary Swing Staging</b> <small>(01 54)</small>	
	Note: Up to one month rental. Includes connection to existing electrical outlet on roof, all necessary safety equipment for personnel and anchoring to existing roof anchors. Excludes installing roof anchors.	
01 54 26 00-0001	<b>Swing Stage</b> <small>(01 54 26)</small>	
	Note: Up to one month rental. Includes connection to existing electrical outlet on roof, and all necessary safety equipment for personnel. Excludes installing roof anchors.	
01 54 26 00-0002	MO 7' Swing Stage, Electric Operated.....	2,426.17
01 54 26 00-0003	MO 10' Swing Stage, Electric Operated.....	2,547.48
01 54 26 00-0004	MO 14' Swing Stage, Electric Operated.....	2,668.79
01 54 26 00-0005	MO 20' Swing Stage, Electric Operated.....	2,790.10
01 54 26 00-0006	MO 24' Swing Stage, Electric Operated.....	2,911.41
01 54 26 00-0007	MO 30' Swing Stage, Electric Operated.....	3,032.71
01 54 26 00-0008	MO 42' Swing Stage, Electric Operated.....	3,154.02
01 54 26 00-0009	MO 12' Swing Stage, Manually Operated.....	699.61
01 54 26 00-0010	MO 24' Swing Stage, Manually Operated.....	874.51



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 54 26 00-0011	EA		Swing Stage Platform From Hooks, Erection And Dismantling.....	4,225.26	
Note: Includes both initial erection and final dismantling of platform. Excludes anchors or temporary roof mounted outrigger system.					
01 54 26 00-0012	EA		Swing Stage Platform And Temporary Roof Mounted Outrigger System Erection And Dismantling .....	5,871.71	
Note: Includes both initial erection and final dismantling of temporary roof mounted outrigger system.					
01 54 26 00-0013	EA		Move Swing Stage Platform From Hooks To Different Location At Same Roof.....	2,221.73	
01 54 26 00-0014	EA		Move Swing Stage Platform and Temporary Roof Mounted Outrigger System To Different Location At Same Roof.....	3,094.56	

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

**01 55 23 Temporary Roads (01 55)**

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

Note: As per Caltrans detail.					
01 55 23 00-0002	SF		3" To 4" Rock Temporary Stabilized Construction Entrance Assembly .....	3.48	
Note: Includes up to 12" excavation of pit, hauling and disposal of soil, filter fabric at base and sides, filled with rock, and compaction.					
01 55 23 00-0003	SF		>4" To 6" Rock Temporary Stabilized Construction Entrance Assembly .....	4.46	
Note: Includes up to 12" excavation of pit, hauling and disposal of soil, filter fabric at base and sides, filled with rock, and compaction.					

**01 55 23 00-0004 Rumble Trench Plate (01 55 23)**

01 55 23 00-0005	MO		8' x 10' Steel Rumble Trench Plate Rental.....	324.06	
01 55 23 00-0006	EA		Placement And Removal Of Rumble Plate .....	87.72	
Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.					
01 55 23 00-0007	EA		Relocate And Adjust Location Of Rumble Plate.....	21.93	
Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.					

**01 55 23 00-0008 Temporary Road Ramps (Godwin) (01 55 23)**

Note: Excludes asphalt and gravel.					
01 55 23 00-0009	EA		4" Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin).....	4,018.03	196.27
01 55 23 00-0010	EA		6" Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin).....	5,475.34	294.40
01 55 23 00-0011	EA		8" Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin).....	7,563.17	392.54
01 55 23 00-0012	EA		12" Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin).....	15,640.94	490.67
01 55 23 00-0013	EA		24" Pipeline, 15' Passable Vehicle Width, Temporary Road Ramp (Godwin).....	22,930.56	588.81

**01 55 26 Traffic Control (01 55)**

**01 55 26 00-0001 Pedestrian Traffic Control (01 55 26)**

01 55 26 00-0002	CLF		1", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange .....	13.01	
01 55 26 00-0003	CLF		2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange .....	17.87	
01 55 26 00-0004	CLF		3/4", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow.....	8.99	
01 55 26 00-0005	CLF		2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow.....	11.43	
01 55 26 00-0006	CLF		3", 4 Mil Polyethylene Printed Barricade Tape, Non Fluorescent .....	13.00	
01 55 26 00-0007	CLF		6", 4 Mil Polyethylene Printed Barricade Tape, Non Fluorescent .....	19.23	
01 55 26 00-0008	CLF		1" Exterior Vinyl Tape (Warning Tape) .....	16.46	
01 55 26 00-0009	CLF		2" Exterior Vinyl Tape (Warning Tape) .....	24.42	
01 55 26 00-0010	CLF		3" Exterior Vinyl Tape (Warning Tape) .....	32.27	
01 55 26 00-0011	CLF		4" Exterior Vinyl Tape (Warning Tape) .....	37.84	

**01 55 26 00-0012 Removable Preformed Traffic Black Line Mask (01 55 26)**

Note: Includes installation and removal after use.					
01 55 26 00-0013	LF		6" Removable Traffic Black Line Mask .....	4.37	
01 55 26 00-0014	LF		8" Removable Traffic Black Line Mask .....	5.25	

**01 55 26 00-0015 Temporary Preformed Traffic Line Tape (01 55 26)**

Note: Includes installation and removal after use.					
01 55 26 00-0016	LF		4" Reflective Removable Traffic Line Tape.....	4.42	
01 55 26 00-0017	LF		6" Reflective Removable Traffic Line Tape.....	5.99	
01 55 26 00-0018	LF		8" Reflective Removable Traffic Line Tape.....	7.47	

**01 55 26 00-0019 Temporary Painted Traffic Lines (01 55 26)**

Note: Includes installation and removal after use.					
01 55 26 00-0020	LF		4" Temporary Painted Traffic Lines.....	2.18	
For Not Removed, Deduct					
				-1.46	
01 55 26 00-0021	LF		6" Temporary Painted Traffic Lines.....	2.85	
For Not Removed, Deduct					
				-1.95	
01 55 26 00-0022	LF		8" Temporary Painted Traffic Lines.....	3.58	
For Not Removed, Deduct					
				-2.49	
01 55 26 00-0023	EA		2" High x 2" Wide Temporary Overlay Pavement Markers, "L" With Factory-Applied Adhesive Pad.....	2.97	
01 55 26 00-0024	EA		2" High x 4" Wide Temporary Overlay Pavement Markers, "L" With Factory-Applied Adhesive Pad.....	3.00	

**01 55 26 00-0025 Linear Delineation System, Temporary Or Permanent (01 55 26)**

Note: High visibility reflective sheeting strips. Scotchlite as manufactured by 3M.					
01 55 26 00-0026	LF		4" Linear Delineation System.....	9.31	
01 55 26 00-0027	LF		6" Linear Delineation System.....	12.55	

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

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

01 55 26 00-0028 Traffic Protection (01 55 26)

01 55 26 00-0029 Portable Traffic Control Device Usage (01 55 26 00-0028)

Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0104 for delivery, placing and removal.

01 55 26 00-0030	DAY	28" Cone With Reflective Collar.....	0.70
01 55 26 00-0031	WK	28" Cone With Reflective Collar.....	2.09
01 55 26 00-0032	MO	28" Cone With Reflective Collar.....	6.26
01 55 26 00-0033	DAY	Vertical Panel.....	2.10
01 55 26 00-0034	WK	Vertical Panel.....	6.30
01 55 26 00-0035	MO	Vertical Panel.....	18.91
01 55 26 00-0036	DAY	Channelizer Drum.....	2.28
01 55 26 00-0037	WK	Channelizer Drum.....	6.84
01 55 26 00-0038	MO	Channelizer Drum.....	20.53
01 55 26 00-0039	DAY	Stackable Channelizer Panel.....	1.08
01 55 26 00-0040	WK	Stackable Channelizer Panel.....	3.24
01 55 26 00-0041	MO	Stackable Channelizer Panel.....	9.71
01 55 26 00-0042	DAY	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side.....	1.49
01 55 26 00-0043	WK	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side.....	4.48
01 55 26 00-0044	MO	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side.....	13.45
01 55 26 00-0045	DAY	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side.....	3.31
01 55 26 00-0046	WK	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side.....	9.93
01 55 26 00-0047	MO	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side.....	29.80
01 55 26 00-0048	DAY	Type III Barricade, Up To 5' Wide With Three Reflective Rails.....	3.77
01 55 26 00-0049	WK	Type III Barricade, Up To 5' Wide With Three Reflective Rails.....	11.32
01 55 26 00-0050	MO	Type III Barricade, Up To 5' Wide With Three Reflective Rails.....	33.97
01 55 26 00-0051	DAY	Type III Barricade, >5' To 10' Wide With Three Reflective Rails.....	6.90
01 55 26 00-0052	WK	Type III Barricade, >5' To 10' Wide With Three Reflective Rails.....	20.71
01 55 26 00-0053	MO	Type III Barricade, >5' To 10' Wide With Three Reflective Rails.....	62.13
01 55 26 00-0054	DAY	Up To 10' Wide A Frame Barricade.....	3.79
01 55 26 00-0055	WK	Up To 10' Wide A Frame Barricade.....	11.36
01 55 26 00-0056	MO	Up To 10' Wide A Frame Barricade.....	34.08
01 55 26 00-0057	DAY	Type A Or C Flasher.....	0.77
01 55 26 00-0058	WK	Type A Or C Flasher.....	2.31
01 55 26 00-0059	MO	Type A Or C Flasher.....	6.94
01 55 26 00-0060	DAY	Type B Flasher (High Intensity).....	4.19
01 55 26 00-0061	WK	Type B Flasher (High Intensity).....	12.56
01 55 26 00-0062	MO	Type B Flasher (High Intensity).....	37.67

01 55 26 00-0063 Traffic Barriers Usage (01 55 26 00-0028)

Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0104 for delivery, placing and removal.

01 55 26 00-0064	DAY	6' Long Portable Parking Curbs.....	1.80
01 55 26 00-0065	WK	6' Long Portable Parking Curbs.....	5.41
01 55 26 00-0066	MO	6' Long Portable Parking Curbs.....	16.23
01 55 26 00-0067	DAY	6' Long Portable Speed Bumps.....	5.34
01 55 26 00-0068	WK	6' Long Portable Speed Bumps.....	16.01
01 55 26 00-0069	MO	6' Long Portable Speed Bumps.....	48.02
01 55 26 00-0070	DAY	Up To 12.5' Concrete Traffic Barrier.....	12.82
01 55 26 00-0071	WK	Up To 12.5' Concrete Traffic Barrier.....	38.46
01 55 26 00-0072	MO	Up To 12.5' Concrete Traffic Barrier.....	115.37
01 55 26 00-0073	DAY	>12.5' To 20' Concrete Traffic Barrier.....	25.64
01 55 26 00-0074	WK	>12.5' To 20' Concrete Traffic Barrier.....	76.91
01 55 26 00-0075	MO	>12.5' To 20' Concrete Traffic Barrier.....	230.73
01 55 26 00-0076	DAY	6' x 32" Tall Plastic Water Barrier.....	15.31
01 55 26 00-0077	WK	6' x 32" Tall Plastic Water Barrier.....	45.92
01 55 26 00-0078	MO	6' x 32" Tall Plastic Water Barrier.....	137.77
01 55 26 00-0079	DAY	6' x 46" Tall Plastic Water Barrier.....	21.86
01 55 26 00-0080	WK	6' x 46" Tall Plastic Water Barrier.....	65.57
01 55 26 00-0081	MO	6' x 46" Tall Plastic Water Barrier.....	196.72
01 55 26 00-0082	DAY	Sand Filled Crash Attenuator Barrels.....	8.56
01 55 26 00-0083	WK	Sand Filled Crash Attenuator Barrels.....	25.67
01 55 26 00-0084	MO	Sand Filled Crash Attenuator Barrels.....	77.00

01 55 26 00-0085 Portable Signs And Message Displays Usage (01 55 26 00-0028)

Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0104 for delivery, placing and removal.

01 55 26 00-0086	DAY	Mesh Or Vinyl Roll-up Sign With Stand.....	6.72
01 55 26 00-0087	WK	Mesh Or Vinyl Roll-up Sign With Stand.....	20.15
01 55 26 00-0088	MO	Mesh Or Vinyl Roll-up Sign With Stand.....	60.45
01 55 26 00-0089	DAY	Aluminum Sign And Post.....	3.25
01 55 26 00-0090	WK	Aluminum Sign And Post.....	9.74
01 55 26 00-0091	MO	Aluminum Sign And Post.....	29.23
01 55 26 00-0092	DAY	Aluminum Sign And A Frame Stand.....	5.08
01 55 26 00-0093	WK	Aluminum Sign And A Frame Stand.....	15.24
01 55 26 00-0094	MO	Aluminum Sign And A Frame Stand.....	45.71
01 55 26 00-0095	DAY	Trailer Mounted Flashing Arrow Board.....	128.00
01 55 26 00-0096	WK	Trailer Mounted Flashing Arrow Board.....	354.28
01 55 26 00-0097	MO	Trailer Mounted Flashing Arrow Board.....	937.14
01 55 26 00-0098	DAY	Trailer Mounted Portable Variable Message Sign (PVMS).....	379.98
01 55 26 00-0099	WK	Trailer Mounted Portable Variable Message Sign (PVMS).....	1,013.28
01 55 26 00-0100	MO	Trailer Mounted Portable Variable Message Sign (PVMS).....	2,026.56

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 55 26 00-0101	DAY		Two Head, Trailer Mounted Traffic Signal System (Set Of Two) ..... Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.	1,143.73	
01 55 26 00-0102	WK		Two Head, Trailer Mounted Traffic Signal System (Set Of Two) ..... Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.	3,431.19	
01 55 26 00-0103	MO		Two Head, Trailer Mounted Traffic Signal System (Set Of Two) ..... Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.	10,293.57	

**01 55 26 00-0104**
**Place And Remove Traffic Protection Using Truck (01 55 26 00-0028)**

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

01 55 26 00-0105	EA		Placement And Removal Of Up To 250 Cones Using Truck .....	3.45	
01 55 26 00-0106	EA		Placement And Removal Of >250 Cones Using Truck .....	3.01	
01 55 26 00-0107	EA		Placement And Removal Of Up To 250 Panels/Channelizers Using Truck .....	5.69	
01 55 26 00-0108	EA		Placement And Removal Of >250 Panels/Channelizers Using Truck.....	4.74	
01 55 26 00-0109	EA		Placement And Removal Of Up To 250 Barricades Using Truck.....	8.61	
01 55 26 00-0110	EA		Placement And Removal Of >250 Barricades Using Truck .....	6.90	
01 55 26 00-0111	EA		Placement And Removal Of Curbs/Speed Bumps Using Truck.....	8.61	
01 55 26 00-0112	EA		Placement And Removal Of Portable Sign And Stand Using Truck .....	5.17	
01 55 26 00-0113	EA		Placement And Removal Of Aluminum Sign And Post Using Truck .....	21.55	
01 55 26 00-0114	EA		Placement And Removal Of Trailer Mounted Boards And Signals Using Truck .....	64.62	
01 55 26 00-0115	EA		Placement And Removal Of Up To 12.5' Concrete Traffic Barrier .....	87.72	
			Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.		
			For 1 Barrier, Add	219.30	
			For 2 Barriers, Add	78.95	
			For 3 Barriers, Add	26.32	
01 55 26 00-0116	EA		Placement And Removal Of >12.5' Concrete Traffic Barrier.....	131.58	
			Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.		
			For 1 Barrier, Add	328.95	
			For 2 Barriers, Add	118.42	
			For 3 Barriers, Add	39.47	
01 55 26 00-0117	EA		Placement And Removal Of Plastic Water Barrier.....	49.72	
			Note: Includes water. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rental tasks, 01 71 13 00-0000 for mobilization tasks.		
			For 1 Barrier, Add	109.65	
			For 2 Barriers, Add	39.47	
			For 3 Barriers, Add	13.16	
01 55 26 00-0118	EA		Placement And Removal Of Crash Attenuator Barrels .....	65.78	
			Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.		
			For 1 Barrier, Add	164.45	
			For 2 Barriers, Add	59.20	
			For 3 Barriers, Add	19.73	

**01 55 26 00-0119**
**Place And Remove Traffic Protection From Roadside (Daily) (01 55 26 00-0028)**

01 55 26 00-0120	EA		Placement And Removal Of Up To 250 Cones By Hand From Roadside .....	2.15	
01 55 26 00-0121	EA		Placement And Removal Of >250 Cones By Hand From Roadside.....	1.72	
01 55 26 00-0122	EA		Placement And Removal Of Up To 250 Panels/Channelizers By Hand From Roadside.....	2.87	
01 55 26 00-0123	EA		Placement And Removal Of >250 Panels/Channelizers By Hand From Roadside.....	2.29	
01 55 26 00-0124	EA		Placement And Removal Of Up To 250 Barricades By Hand From Roadside.....	4.31	
01 55 26 00-0125	EA		Placement And Removal Of >250 Barricades By Hand From Roadside .....	3.45	
01 55 26 00-0126	EA		Placement And Removal Of Portable Sign And Stand From Roadside .....	2.56	
01 55 26 00-0127	EA		Placement And Removal Of Trailer Mounted Boards And Signals From Roadside.....	32.31	
01 55 26 00-0128	EA		Roadside Relocation Of Concrete Traffic Barrier .....	43.86	
			Note: Excludes flatbed truck. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rental tasks, 01 71 13 00-0000 for mobilization.		

**01 55 26 00-0129**
**Temporary Rumble Strips (01 55 26)**

Note: Includes removal after use.

01 55 26 00-0130	LF		1/4" High, 4" Wide, Polymer Tape Temporary Rumble Strip.....	11.09	
01 55 26 00-0131	LF		1/2" High, 3-1/2" Wide, Polycarbonate Temporary Rumble Strip.....	8.02	

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

Note: Includes removal after use.

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

Note: Includes removal after use. See CSI section 02 89 00 00-0002 for Other barriers for infectious control.

01 56 16 00-0002	SF		6 Mil, Plastic Sheeting, Applied To Floors .....	0.34	
01 56 16 00-0003	SF		6 Mil, Plastic Sheeting, Applied To Walls.....	0.43	
01 56 16 00-0004	SF		6 Mil, Plastic Sheeting, Applied To Ceilings.....	0.58	
01 56 16 00-0005	SF		6 Mil, Plastic Sheeting, Applied To Scaffolding.....	0.57	
01 56 16 00-0006	SF		6 Mil, Fire Retardant, Plastic Sheeting, Applied To Floors.....	0.41	
01 56 16 00-0007	SF		6 Mil, Fire Retardant, Plastic Sheeting, Applied To Walls.....	0.50	
01 56 16 00-0008	SF		6 Mil, Fire Retardant, Plastic Sheeting, Applied To Ceilings.....	0.65	
01 56 16 00-0009	SF		6 Mil, Fire Retardant, Plastic Sheeting, Applied To Scaffolding.....	0.61	
01 56 16 00-0010	SF		10 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Scaffolding.....	0.77	
01 56 16 00-0011	SF		6 Mil, Fire Retardant, Anti Static, Plastic Sheeting, Applied To Floors.....	0.43	
01 56 16 00-0012	SF		6 Mil, Fire Retardant, Anti Static, Plastic Sheeting, Applied To Walls.....	0.52	
01 56 16 00-0013	SF		6 Mil, Fire Retardant, Anti Static, Plastic Sheeting, Applied To Ceilings.....	0.67	

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

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

01 56 16 00-0014	SF	6 Mil, Fire Retardant, Anti Static, Plastic Sheeting, Applied To Scaffolding .....	0.63
01 56 16 00-0015	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Floors .....	0.42
01 56 16 00-0016	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Walls .....	0.51
01 56 16 00-0017	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Ceilings .....	0.66
01 56 16 00-0018	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Scaffolding .....	0.62
01 56 16 00-0019	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Floors .....	0.48
01 56 16 00-0020	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Walls .....	0.57
01 56 16 00-0021	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Ceilings .....	0.72
01 56 16 00-0022	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Scaffolding .....	0.68
<b>01 56 16 00-0023</b>		<b>Accessories For Temporary Sheeting (01 56 16)</b>	
		Note: Includes removal after use.	
01 56 16 00-0024	EA	7' Zipper Door For Plastic Sheeting .....	20.67
01 56 16 00-0025	LF	Zip Wall Kit And ICRA Dust Control Awareness Barrier (Per LF Of Wall) .....	8.02
		Note: Includes up to 12' long spring loaded poles, side clamps, foam rails and 6 mil poly barrier. Excludes zip doors.	
<b>01 56 16 00-0026</b>		<b>Magnetic Barriers For Temporary Sheeting (01 56 16)</b>	
01 56 16 00-0027	EA	Magnetic Dust Barrier Door System For Plastic Sheeting .....	21.78
		Note: Multi use. Excludes spring poles and magnetic strips.	
01 56 16 00-0028	EA	29" To 50", Dust Barrier Spring Pole For Door System .....	5.92
		Note: Multi use.	
01 56 16 00-0029	EA	Magnetic Strip For Door System .....	3.06
		Note: Multi use.	
<b>01 56 16 00-0030</b>		<b>Temporary Critical Barriers For Protection (01 56 16)</b>	
		Note: Includes removal after use. See CSI section 02 89 00 00-0002 for Other barriers for infectious control.	
01 56 16 00-0031	EA	Up To 1 SF Individual Critical Barriers .....	11.25
		Note: For Outlets And Receptacles	
01 56 16 00-0032	EA	>1 To 4 SF Individual Critical Barriers .....	17.03
		Note: For diffusers, ceiling speakers, return grilles, etc.	
01 56 16 00-0033	EA	>4 To 8 SF Individual Critical Barriers .....	22.89
		Note: For diffusers, return grilles, access doors, light fixtures, etc.	
01 56 16 00-0034	EA	>8 To 32 SF Individual Critical Barriers .....	35.67
		Note: For doors, windows, etc.	
<b>01 56 16 00-0035</b>		<b>Temporary Stud Wall (01 56 16)</b>	
		Note: Includes removal after use.	
<b>01 56 16 00-0036</b>		<b>Temporary Stud Wall With Drywall (01 56 16 00-0035)</b>	
		Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, drywall taped and finished and removal after use. Excludes paint.	
<b>01 56 16 00-0037</b>		<b>Temporary Stud Wall With Drywall (01 56 16 00-0036)</b>	
01 56 16 00-0038	SF	3/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center .....	6.47
		For Metal Studs 24" On Center, Add/Deduct	0.11
01 56 16 00-0039	SF	1/2" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center .....	6.47
		For Metal Studs 24" On Center, Add/Deduct	0.11
01 56 16 00-0040	SF	5/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center .....	6.55
		For Metal Studs 24" On Center, Add/Deduct	0.11
01 56 16 00-0041	SF	3/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center .....	8.70
		For Metal Studs 24" On Center, Add/Deduct	0.20
01 56 16 00-0042	SF	1/2" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center .....	8.70
		For Metal Studs 24" On Center, Add/Deduct	0.20
01 56 16 00-0043	SF	5/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center .....	8.86
		For Metal Studs 24" On Center, Add/Deduct	0.20
<b>01 56 16 00-0044</b>		<b>Temporary Stud Wall With Fire Rated Drywall (01 56 16 00-0036)</b>	
01 56 16 00-0045	SF	1/2" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center .....	6.56
		For Metal Studs 24" On Center, Add/Deduct	0.11
01 56 16 00-0046	SF	5/8" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center .....	6.59
		For Metal Studs 24" On Center, Add/Deduct	0.11
01 56 16 00-0047	SF	5/8" Type X Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center .....	6.54
		For Metal Studs 24" On Center, Add/Deduct	0.11
01 56 16 00-0048	SF	3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center .....	7.17
		For Metal Studs 24" On Center, Add/Deduct	0.11
01 56 16 00-0049	SF	1/2" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center .....	8.88
		For Metal Studs 24" On Center, Add/Deduct	0.20
01 56 16 00-0050	SF	5/8" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center .....	8.94
		For Metal Studs 24" On Center, Add/Deduct	0.20
01 56 16 00-0051	SF	5/8" Type X Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center .....	8.84
		For Metal Studs 24" On Center, Add/Deduct	0.20
01 56 16 00-0052	SF	3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center .....	10.09
		For Metal Studs 24" On Center, Add/Deduct	0.20
<b>01 56 16 00-0053</b>		<b>Temporary Stud Wall With Oriented Strand Board (OSB) (01 56 16 00-0035)</b>	
		Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, oriented strand board (OSB) wall sheathing, and removal after use. Excludes paint.	
01 56 16 00-0054	SF	7/16" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center .....	6.93
		For Metal Studs 24" On Center, Add/Deduct	0.11

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 56 16 00-0055	SF 1/2" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center.....	7.04	
	<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.11	
01 56 16 00-0056	SF 5/8" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center.....	7.35	
	<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.11	
01 56 16 00-0057	SF 3/4" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center.....	7.52	
	<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.11	
01 56 16 00-0058	SF 7/16" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	9.62	
	<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.20	
01 56 16 00-0059	SF 1/2" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	9.84	
	<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.20	
01 56 16 00-0060	SF 5/8" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	10.46	
	<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.20	
01 56 16 00-0061	SF 3/4" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	10.79	
	<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.20	

**01 56 16 00-0062 Temporary Stud Wall With BC Plywood** (01 56 16 00-0035)

Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, interior/exterior BC plywood wall sheathing, and removal after use. Excludes paint.

01 56 16 00-0063	SF 3/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center.....	7.67	
	<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.11	
01 56 16 00-0064	SF 1/2" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center.....	8.08	
	<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.11	
01 56 16 00-0065	SF 5/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center.....	8.62	
	<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.11	
01 56 16 00-0066	SF 3/4" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center.....	8.98	
	<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.11	
01 56 16 00-0067	SF 3/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	11.10	
	<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.20	
01 56 16 00-0068	SF 1/2" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	11.90	
	<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.20	
01 56 16 00-0069	SF 5/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	13.00	
	<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.20	
01 56 16 00-0070	SF 3/4" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	13.71	
	<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.20	

**01 56 16 00-0071 Temporary Stud Wall With Plastic Sheeting** (01 56 16 00-0035)

Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, 6 Mil plastic sheathing, and removal after use.

01 56 16 00-0072	SF 6 Mil, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center.....	3.98	
	<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.00	
01 56 16 00-0073	SF 6 Mil, Fire Retardant, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center.....	4.05	
	<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.00	
01 56 16 00-0074	SF 6 Mil, Fire Retardant, Anti-Static, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center.....	4.07	
	<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.00	
01 56 16 00-0075	SF 6 Mil, Reinforced, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center.....	4.06	
	<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.00	
01 56 16 00-0076	SF 6 Mil, Fire Retardant, Reinforced, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center.....	4.12	
	<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.00	

**01 56 16 00-0077 Temporary Doors** (01 56 16 00-0035)

Note: For temporary stud walls. Includes removal after use.

01 56 16 00-0078	EA Temporary Metal Door And Frame.....	647.00	
	Note: Painted with panic hardware, lockset, threshold and smoke seals. Remove after use.		

**01 56 16 00-0079 Temporary Floor Protection** (01 56 16)

Note: Includes removal after use.

01 56 16 00-0080	SF 1/2" Plywood For Temporary Floor Protection.....	2.24	
01 56 16 00-0081	SF 3/4" Plywood For Temporary Floor Protection.....	2.91	
01 56 16 00-0082	LF 38" Wide, 46 Mil Fiberboard, Ram Board® For Temporary Floor Protection.....	1.12	
01 56 16 00-0083	LF 36" Wide, 9 Mil, Regular Weight Red Rosin Paper, For Temporary Floor Protection.....	0.33	
01 56 16 00-0084	CSF 3 Mil, Temporary Self-adhesive Carpet Protection Film.....	22.52	

**01 56 16 00-0085 Sticky Mats** (01 56 16)

Note: Includes removal after use.

01 56 16 00-0086	EA 18" x 36", 30 Layer Sticky Mat.....	30.71	
	<i>For 60 Layers Instead Of 30, Add</i>	20.06	
01 56 16 00-0087	EA 18" x 46", 30 Layer Sticky Mat.....	35.16	
	<i>For 60 Layers Instead Of 30, Add</i>	23.39	
01 56 16 00-0088	EA 24" x 36", 30 Layer Sticky Mat.....	35.16	
	<i>For 60 Layers Instead Of 30, Add</i>	23.39	
01 56 16 00-0089	EA 25" x 45", 30 Layer Sticky Mat.....	46.30	
	<i>For 60 Layers Instead Of 30, Add</i>	31.75	
01 56 16 00-0090	EA 36" x 36", 30 Layer Sticky Mat.....	50.76	
	<i>For 60 Layers Instead Of 30, Add</i>	35.09	
01 56 16 00-0091	EA 36" x 46", 30 Layer Sticky Mat.....	55.21	
	<i>For 60 Layers Instead Of 30, Add</i>	38.43	
01 56 16 00-0092	EA 36" x 60", 30 Layer Sticky Mat.....	110.91	
	<i>For 60 Layers Instead Of 30, Add</i>	80.21	
01 56 16 00-0093	EA 36" x 72", 30 Layer Sticky Mat.....	132.30	

**01 56 26 Temporary Fencing** (01 56)

**01 General Requirements****01 50 Temporary Facilities and Controls****01 56 Temporary Barriers and Enclosures**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

01 56 26 00-0001	Temporary Fencing <sup>(01 56 26)</sup> Note: Per ASTM A392-06 Standards		
01 56 26 00-0002	Temporary Chain Link Fence <sup>(01 56 26 00-0001)</sup> Note: Includes delivery, set-up (driving posts) and removal. Excludes auguring/drilling for posts. See CSI section 02 41 19 13-0024 for core drilling in asphalt or concrete, 32 31 13 13-0001 for augering and backfill of posts.		
01 56 26 00-0003	Temporary Chain Link Fence, Up To 6 Months <sup>(01 56 26 00-0002)</sup>		
01 56 26 00-0004	LF Temporary 4' High Chain Link Fence And Posts, Up To 6 Months.....	5.82	
	For >100 To 250, Deduct	-0.13	
	For >250 To 500, Deduct	-0.27	
	For >500, Deduct	-0.40	
	For Each LF Shade Cloth, Add	1.60	
01 56 26 00-0005	LF Temporary 6' High Chain Link Fence And Posts, Up To 6 Months.....	6.48	
	For >100 To 250, Deduct	-0.15	
	For >250 To 500, Deduct	-0.30	
	For >500, Deduct	-0.45	
	For Each LF Shade Cloth, Add	2.55	
01 56 26 00-0006	LF Temporary 8' High Chain Link Fence And Posts, Up To 6 Months.....	8.86	
	For >100 To 250, Deduct	-0.25	
	For >250 To 500, Deduct	-0.51	
	For >500, Deduct	-0.76	
	For Each LF Shade Cloth, Add	3.60	
01 56 26 00-0007	LF Temporary 10' High Chain Link Fence And Posts, Up To 6 Months.....	19.24	
	For >100 To 250, Deduct	-0.75	
	For >250 To 500, Deduct	-1.50	
	For >500, Deduct	-2.25	
	For Each LF Shade Cloth, Add	4.75	
01 56 26 00-0008	Temporary Chain Link Fence, >6 To 12 Months <sup>(01 56 26 00-0002)</sup>		
01 56 26 00-0009	LF Temporary 4' High Chain Link Fence And Posts, >6 To 12 Months.....	6.09	
	For >100 To 250, Deduct	-0.15	
	For >250 To 500, Deduct	-0.29	
	For >500, Deduct	-0.44	
	For Each LF Shade Cloth, Add	1.60	
01 56 26 00-0010	LF Temporary 6' High Chain Link Fence And Posts, >6 To 12 Months.....	6.78	
	For >100 To 250, Deduct	-0.16	
	For >250 To 500, Deduct	-0.33	
	For >500, Deduct	-0.49	
	For Each LF Shade Cloth, Add	2.55	
01 56 26 00-0011	LF Temporary 8' High Chain Link Fence And Posts, >6 To 12 Months.....	9.36	
	For >100 To 250, Deduct	-0.28	
	For >250 To 500, Deduct	-0.56	
	For >500, Deduct	-0.83	
	For Each LF Shade Cloth, Add	3.60	
01 56 26 00-0012	LF Temporary 10' High Chain Link Fence And Posts, >6 To 12 Months.....	20.73	
	For >100 To 250, Deduct	-0.83	
	For >250 To 500, Deduct	-1.65	
	For >500, Deduct	-2.48	
	For Each LF Shade Cloth, Add	4.75	
01 56 26 00-0013	Temporary Chain Link Fence, >12 To 18 Months <sup>(01 56 26 00-0002)</sup>		
01 56 26 00-0014	LF Temporary 4' High Chain Link Fence And Posts, >12 To 18 Months.....	6.39	
	For >100 To 250, Deduct	-0.16	
	For >250 To 500, Deduct	-0.32	
	For >500, Deduct	-0.48	
	For Each LF Shade Cloth, Add	1.60	
01 56 26 00-0015	LF Temporary 6' High Chain Link Fence And Posts, >12 To 18 Months.....	7.12	
	For >100 To 250, Deduct	-0.18	
	For >250 To 500, Deduct	-0.36	
	For >500, Deduct	-0.54	
	For Each LF Shade Cloth, Add	2.55	
01 56 26 00-0016	LF Temporary 8' High Chain Link Fence And Posts, >12 To 18 Months.....	9.93	
	For >100 To 250, Deduct	-0.31	
	For >250 To 500, Deduct	-0.61	
	For >500, Deduct	-0.92	
	For Each LF Shade Cloth, Add	3.60	
01 56 26 00-0017	LF Temporary 10' High Chain Link Fence And Posts, >12 To 18 Months.....	22.39	
	For >100 To 250, Deduct	-0.91	
	For >250 To 500, Deduct	-1.82	
	For >500, Deduct	-2.73	
	For Each LF Shade Cloth, Add	4.75	
01 56 26 00-0018	Temporary Chain Link Fence, >18 Months <sup>(01 56 26 00-0002)</sup>		
01 56 26 00-0019	LF Temporary 4' High Chain Link Fence And Posts, >18 Months.....	6.71	
	For >100 To 250, Deduct	-0.18	
	For >250 To 500, Deduct	-0.35	
	For >500, Deduct	-0.53	
	For Each LF Shade Cloth, Add	1.60	
01 56 26 00-0020	LF Temporary 6' High Chain Link Fence And Posts, >18 Months.....	7.46	
	For >100 To 250, Deduct	-0.20	
	For >250 To 500, Deduct	-0.40	
	For >500, Deduct	-0.60	
	For Each LF Shade Cloth, Add	2.55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 56 26 00-0021	LF Temporary 8' High Chain Link Fence And Posts, >18 Months.....	10.53	
	<i>For &gt;100 To 250, Deduct</i>	-0.34	
	<i>For &gt;250 To 500, Deduct</i>	-0.67	
	<i>For &gt;500, Deduct</i>	-1.01	
	<i>For Each LF Shade Cloth, Add</i>	3.60	
01 56 26 00-0022	LF Temporary 10' High Chain Link Fence And Posts, >18 Months.....	24.20	
	<i>For &gt;100 To 250, Deduct</i>	-1.00	
	<i>For &gt;250 To 500, Deduct</i>	-2.00	
	<i>For &gt;500, Deduct</i>	-3.00	
	<i>For Each LF Shade Cloth, Add</i>	4.75	
<b>01 56 26 00-0023</b>	<b>Temporary Chain Link Fence Gates</b> <small>(01 56 26 00-0001)</small>		
	<small>Note: Includes delivery, set-up (driving posts) and removal. Excludes auguring/drilling for posts. See CSI section 02 41 19 13-0024 for core drilling in asphalt or concrete, 32 31 13 13-0001 for auguring and backfill of posts.</small>		
<b>01 56 26 00-0024</b>	<b>Temporary Chain Link Fence Gates, Up To 6 Months</b> <small>(01 56 26 00-0023)</small>		
<b>01 56 26 00-0025</b>	<b>4' High, Temporary Chain Link Fence Gates, Up To 6 Months</b> <small>(01 56 26 00-0024)</small>		
01 56 26 00-0026	EA 4' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	228.44	
	<i>For Each LF Shade Cloth, Add</i>	12.61	
01 56 26 00-0027	EA 10' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	389.74	
	<i>For Each LF Shade Cloth, Add</i>	31.53	
01 56 26 00-0028	EA 12' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	436.02	
	<i>For Each LF Shade Cloth, Add</i>	37.84	
01 56 26 00-0029	EA 15' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	496.56	
	<i>For Each LF Shade Cloth, Add</i>	47.30	
01 56 26 00-0030	EA 20' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	594.25	
	<i>For Each LF Shade Cloth, Add</i>	63.07	
01 56 26 00-0031	EA 24' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	662.04	
	<i>For Each LF Shade Cloth, Add</i>	75.68	
<b>01 56 26 00-0032</b>	<b>6' High, Temporary Chain Link Fence Gates, Up To 6 Months</b> <small>(01 56 26 00-0024)</small>		
01 56 26 00-0033	EA 4' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	244.86	
	<i>For Each LF Shade Cloth, Add</i>	20.10	
01 56 26 00-0034	EA 10' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	421.52	
	<i>For Each LF Shade Cloth, Add</i>	50.26	
01 56 26 00-0035	EA 12' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	472.67	
	<i>For Each LF Shade Cloth, Add</i>	60.31	
01 56 26 00-0036	EA 15' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	548.42	
	<i>For Each LF Shade Cloth, Add</i>	75.39	
01 56 26 00-0037	EA 20' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	662.63	
	<i>For Each LF Shade Cloth, Add</i>	100.52	
01 56 26 00-0038	EA 24' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	753.12	
	<i>For Each LF Shade Cloth, Add</i>	120.62	
<b>01 56 26 00-0039</b>	<b>8' High, Temporary Chain Link Fence Gates, Up To 6 Months</b> <small>(01 56 26 00-0024)</small>		
01 56 26 00-0040	EA 4' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	273.61	
	<i>For Each LF Shade Cloth, Add</i>	28.38	
01 56 26 00-0041	EA 10' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	483.91	
	<i>For Shade Cloth, Add</i>	70.95	
01 56 26 00-0042	EA 12' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	540.73	
	<i>For Shade Cloth, Add</i>	85.14	
01 56 26 00-0043	EA 15' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	619.46	
	<i>For Shade Cloth, Add</i>	106.43	
01 56 26 00-0044	EA 20' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	757.05	
	<i>For Shade Cloth, Add</i>	141.90	
01 56 26 00-0045	EA 24' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	880.77	
	<i>For Shade Cloth, Add</i>	170.29	
<b>01 56 26 00-0046</b>	<b>10' High, Temporary Chain Link Fence Gates, Up To 6 Months</b> <small>(01 56 26 00-0024)</small>		
01 56 26 00-0047	EA 4' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	331.00	
	<i>For Each LF Shade Cloth, Add</i>	37.45	
01 56 26 00-0048	EA 10' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	579.30	
	<i>For Each LF Shade Cloth, Add</i>	93.62	
01 56 26 00-0049	EA 12' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	648.66	
	<i>For Each LF Shade Cloth, Add</i>	112.34	
01 56 26 00-0050	EA 15' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	741.99	
	<i>For Each LF Shade Cloth, Add</i>	140.43	
01 56 26 00-0051	EA 20' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	907.04	
	<i>For Each LF Shade Cloth, Add</i>	187.24	
01 56 26 00-0052	EA 24' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	1,050.35	
	<i>For Each LF Shade Cloth, Add</i>	224.68	
<b>01 56 26 00-0053</b>	<b>Temporary Chain Link Fence Gates, &gt;6 To 12 Months</b> <small>(01 56 26 00-0023)</small>		
<b>01 56 26 00-0054</b>	<b>4' High, Temporary Chain Link Fence Gates, &gt;6 To 12 Months</b> <small>(01 56 26 00-0053)</small>		
01 56 26 00-0055	EA 4' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	236.89	
	<i>For Each LF Shade Cloth, Add</i>	12.61	
01 56 26 00-0056	EA 10' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	402.88	
	<i>For Each LF Shade Cloth, Add</i>	31.53	
01 56 26 00-0057	EA 12' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	451.03	
	<i>For Each LF Shade Cloth, Add</i>	37.84	

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

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
01 56 26 00-0058	EA 15' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	513.46 47.30	
01 56 26 00-0059	EA 20' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	614.90 63.07	
01 56 26 00-0060	EA 24' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	684.57 75.68	
<b>01 56 26 00-0061</b>	<b>6' High, Temporary Chain Link Fence Gates, &gt;6 To 12 Months</b> <small>(01 56 26 00-0053)</small>		
01 56 26 00-0062	EA 4' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	253.69 20.10	
01 56 26 00-0063	EA 10' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	435.25 50.26	
01 56 26 00-0064	EA 12' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	488.37 60.31	
01 56 26 00-0065	EA 15' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	566.09 75.39	
01 56 26 00-0066	EA 20' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	684.22 100.52	
01 56 26 00-0067	EA 24' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	776.67 120.62	
<b>01 56 26 00-0068</b>	<b>8' High, Temporary Chain Link Fence Gates, &gt;6 To 12 Months</b> <small>(01 56 26 00-0053)</small>		
01 56 26 00-0069	EA 4' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	283.33 28.38	
01 56 26 00-0070	EA 10' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Shade Cloth, Add</i>	499.02 70.95	
01 56 26 00-0071	EA 12' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Shade Cloth, Add</i>	558.00 85.14	
01 56 26 00-0072	EA 15' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Shade Cloth, Add</i>	638.89 106.43	
01 56 26 00-0073	EA 20' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Shade Cloth, Add</i>	780.80 141.90	
01 56 26 00-0074	EA 24' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Shade Cloth, Add</i>	906.67 170.29	
<b>01 56 26 00-0075</b>	<b>10' High, Temporary Chain Link Fence Gates, &gt;6 To 12 Months</b> <small>(01 56 26 00-0053)</small>		
01 56 26 00-0076	EA 4' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	343.15 37.45	
01 56 26 00-0077	EA 10' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	598.18 93.62	
01 56 26 00-0078	EA 12' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	670.25 112.34	
01 56 26 00-0079	EA 15' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	766.27 140.43	
01 56 26 00-0080	EA 20' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	936.72 187.24	
01 56 26 00-0081	EA 24' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	1,082.73 224.68	
<b>01 56 26 00-0082</b>	<b>Temporary Chain Link Fence Gates, &gt;12 To 18 Months</b> <small>(01 56 26 00-0023)</small>		
<b>01 56 26 00-0083</b>	<b>4' High, Temporary Chain Link Fence Gates, &gt;12 To 18 Months</b> <small>(01 56 26 00-0082)</small>		
01 56 26 00-0084	EA 4' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Each LF Shade Cloth, Add</i>	245.76 12.61	
01 56 26 00-0085	EA 10' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Each LF Shade Cloth, Add</i>	416.67 31.53	
01 56 26 00-0086	EA 12' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Each LF Shade Cloth, Add</i>	466.80 37.84	
01 56 26 00-0087	EA 15' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Each LF Shade Cloth, Add</i>	531.20 47.30	
01 56 26 00-0088	EA 20' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Each LF Shade Cloth, Add</i>	636.58 63.07	
01 56 26 00-0089	EA 24' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Each LF Shade Cloth, Add</i>	708.22 75.68	
<b>01 56 26 00-0090</b>	<b>6' High, Temporary Chain Link Fence Gates, &gt;12 To 18 Months</b> <small>(01 56 26 00-0082)</small>		
01 56 26 00-0091	EA 4' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Each LF Shade Cloth, Add</i>	262.96 20.10	
01 56 26 00-0092	EA 10' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Each LF Shade Cloth, Add</i>	449.67 50.26	
01 56 26 00-0093	EA 12' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Each LF Shade Cloth, Add</i>	504.85 60.31	
01 56 26 00-0094	EA 15' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Each LF Shade Cloth, Add</i>	584.63 75.39	
01 56 26 00-0095	EA 20' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Each LF Shade Cloth, Add</i>	706.88 100.52	
01 56 26 00-0096	EA 24' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Each LF Shade Cloth, Add</i>	801.40 120.62	
<b>01 56 26 00-0097</b>	<b>8' High, Temporary Chain Link Fence Gates, &gt;12 To 18 Months</b> <small>(01 56 26 00-0082)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0098 EA 4' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months ..... <i>For Each LF Shade Cloth, Add</i>	293.53 28.38	
01 56 26 00-0099 EA 10' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months ..... <i>For Shade Cloth, Add</i>	514.89 70.95	
01 56 26 00-0100 EA 12' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months ..... <i>For Shade Cloth, Add</i>	576.13 85.14	
01 56 26 00-0101 EA 15' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months ..... <i>For Shade Cloth, Add</i>	659.29 106.43	
01 56 26 00-0102 EA 20' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months ..... <i>For Shade Cloth, Add</i>	805.73 141.90	
01 56 26 00-0103 EA 24' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months ..... <i>For Shade Cloth, Add</i>	933.87 170.29	
<b>01 56 26 00-0104 10' High, Temporary Chain Link Fence Gates, &gt;12 To 18 Months</b> (01 56 26 00-0082)		
01 56 26 00-0105 EA 4' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months ..... <i>For Each LF Shade Cloth, Add</i>	355.89 37.45	
01 56 26 00-0106 EA 10' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months ..... <i>For Each LF Shade Cloth, Add</i>	618.02 93.62	
01 56 26 00-0107 EA 12' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months ..... <i>For Each LF Shade Cloth, Add</i>	692.91 112.34	
01 56 26 00-0108 EA 15' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months ..... <i>For Each LF Shade Cloth, Add</i>	791.77 140.43	
01 56 26 00-0109 EA 20' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months ..... <i>For Each LF Shade Cloth, Add</i>	967.88 187.24	
01 56 26 00-0110 EA 24' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months ..... <i>For Each LF Shade Cloth, Add</i>	1,116.73 224.68	
<b>01 56 26 00-0111 Temporary Chain Link Fence Gates, &gt;18 Months</b> (01 56 26 00-0023)		
<b>01 56 26 00-0112 4' High, Temporary Chain Link Fence Gates, &gt;18 Months</b> (01 56 26 00-0111)		
01 56 26 00-0113 EA 4' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months ..... <i>For Each LF Shade Cloth, Add</i>	254.63 12.61	
01 56 26 00-0114 EA 10' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months ..... <i>For Each LF Shade Cloth, Add</i>	430.47 31.53	
01 56 26 00-0115 EA 12' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months ..... <i>For Each LF Shade Cloth, Add</i>	482.57 37.84	
01 56 26 00-0116 EA 15' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months ..... <i>For Each LF Shade Cloth, Add</i>	548.93 47.30	
01 56 26 00-0117 EA 20' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months ..... <i>For Each LF Shade Cloth, Add</i>	658.26 63.07	
01 56 26 00-0118 EA 24' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months ..... <i>For Each LF Shade Cloth, Add</i>	731.87 75.68	
<b>01 56 26 00-0119 6' High, Temporary Chain Link Fence Gates, &gt;18 Months</b> (01 56 26 00-0111)		
01 56 26 00-0120 EA 4' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months ..... <i>For Each LF Shade Cloth, Add</i>	272.23 20.10	
01 56 26 00-0121 EA 10' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months ..... <i>For Each LF Shade Cloth, Add</i>	464.10 50.26	
01 56 26 00-0122 EA 12' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months ..... <i>For Each LF Shade Cloth, Add</i>	521.33 60.31	
01 56 26 00-0123 EA 15' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months ..... <i>For Each LF Shade Cloth, Add</i>	603.18 75.39	
01 56 26 00-0124 EA 20' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months ..... <i>For Each LF Shade Cloth, Add</i>	729.55 100.52	
01 56 26 00-0125 EA 24' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months ..... <i>For Each LF Shade Cloth, Add</i>	826.12 120.62	
<b>01 56 26 00-0126 8' High, Temporary Chain Link Fence Gates, &gt;18 Months</b> (01 56 26 00-0111)		
01 56 26 00-0127 EA 4' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months ..... <i>For Each LF Shade Cloth, Add</i>	303.73 28.38	
01 56 26 00-0128 EA 10' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months ..... <i>For Shade Cloth, Add</i>	530.76 70.95	
01 56 26 00-0129 EA 12' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months ..... <i>For Shade Cloth, Add</i>	594.26 85.14	
01 56 26 00-0130 EA 15' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months ..... <i>For Shade Cloth, Add</i>	679.68 106.43	
01 56 26 00-0131 EA 20' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months ..... <i>For Shade Cloth, Add</i>	830.66 141.90	
01 56 26 00-0132 EA 24' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months ..... <i>For Shade Cloth, Add</i>	961.07 170.29	
<b>01 56 26 00-0133 10' High, Temporary Chain Link Fence Gates, &gt;18 Months</b> (01 56 26 00-0111)		
01 56 26 00-0134 EA 4' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months ..... <i>For Each LF Shade Cloth, Add</i>	368.64 37.45	
01 56 26 00-0135 EA 10' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months ..... <i>For Each LF Shade Cloth, Add</i>	637.85 93.62	
01 56 26 00-0136 EA 12' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months ..... <i>For Each LF Shade Cloth, Add</i>	715.58 112.34	
01 56 26 00-0137 EA 15' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months ..... <i>For Each LF Shade Cloth, Add</i>	817.27 140.43	
01 56 26 00-0138 EA 20' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months ..... <i>For Each LF Shade Cloth, Add</i>	999.05 187.24	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0139	EA		24' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months ..... <i>For Each LF Shade Cloth, Add</i>	1,150.73 224.68	
01 56 26 00-0140			<b>Temporary Chain Link Fence Panels (Portable)</b> <small>(01 56 26 00-0001)</small> Note: Includes delivery, set-up and removal. Excludes sandbags.		
01 56 26 00-0141			<b>Temporary Chain Link Fence Panels (Portable), Up To 6 Months</b> <small>(01 56 26 00-0140)</small>		
01 56 26 00-0142	LF		Temporary 4' High Chain Link Fence Panels (Portable), Up To 6 Months..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i> <i>For Each LF Shade Cloth, Add</i>	6.34 -0.16 -0.32 -0.48 1.60	
01 56 26 00-0143	LF		Temporary 6' High Chain Link Fence Panels (Portable), Up To 6 Months..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i> <i>For Each LF Shade Cloth, Add</i>	7.05 -0.18 -0.36 -0.53 2.55	
01 56 26 00-0144	LF		Temporary 8' High Chain Link Fence Panels (Portable), Up To 6 Months..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i> <i>For Each LF Shade Cloth, Add</i>	9.54 -0.29 -0.57 -0.86 3.60	
01 56 26 00-0145			<b>Temporary Chain Link Fence Panels (Portable), &gt;6 To 12 Months</b> <small>(01 56 26 00-0140)</small>		
01 56 26 00-0146	LF		Temporary 4' High Chain Link Fence Panels (Portable), >6 To 12 Months ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i> <i>For Each LF Shade Cloth, Add</i>	6.62 -0.17 -0.35 -0.52 1.60	
01 56 26 00-0147	LF		Temporary 6' High Chain Link Fence Panels (Portable), >6 To 12 Months ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i> <i>For Each LF Shade Cloth, Add</i>	7.34 -0.19 -0.39 -0.58 2.55	
01 56 26 00-0148	LF		Temporary 8' High Chain Link Fence Panels (Portable), >6 To 12 Months ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i> <i>For Each LF Shade Cloth, Add</i>	10.04 -0.31 -0.62 -0.93 3.60	
01 56 26 00-0149			<b>Temporary Chain Link Fence Panels (Portable), &gt;12 To 18 Months</b> <small>(01 56 26 00-0140)</small>		
01 56 26 00-0150	LF		Temporary 4' High Chain Link Fence Panels (Portable), >12 To 18 Months ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i> <i>For Each LF Shade Cloth, Add</i>	6.89 -0.19 -0.37 -0.56 1.60	
01 56 26 00-0151	LF		Temporary 6' High Chain Link Fence Panels (Portable), >12 To 18 Months ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i> <i>For Each LF Shade Cloth, Add</i>	7.68 -0.21 -0.42 -0.63 2.55	
01 56 26 00-0152	LF		Temporary 8' High Chain Link Fence Panels (Portable), >12 To 18 Months ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i> <i>For Each LF Shade Cloth, Add</i>	10.61 -0.34 -0.68 -1.02 3.60	
01 56 26 00-0153			<b>Temporary Chain Link Fence Panels (Portable), &gt;18 Months</b> <small>(01 56 26 00-0140)</small>		
01 56 26 00-0154	LF		Temporary 4' High Chain Link Fence Panels (Portable), >18 Months ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i> <i>For Each LF Shade Cloth, Add</i>	7.23 -0.20 -0.41 -0.61 1.60	
01 56 26 00-0155	LF		Temporary 6' High Chain Link Fence Panels (Portable), >18 Months ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i> <i>For Each LF Shade Cloth, Add</i>	8.02 -0.23 -0.45 -0.68 2.55	
01 56 26 00-0156	LF		Temporary 8' High Chain Link Fence Panels (Portable), >18 Months ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i> <i>For Each LF Shade Cloth, Add</i>	11.20 -0.37 -0.74 -1.11 3.60	
01 56 26 00-0157			<b>Temporary Chain Link Fence Panels (Portable) Sandbags</b> <small>(01 56 26 00-0140)</small>		
01 56 26 00-0158	BAG		Temporary Chain Link Fence Panels (Portable) Sandbag ..... Note: Includes placement and removal.	6.25	
01 56 26 00-0159			<b>Relocate Chain Link Fence, Gates And Panels</b> <small>(01 56 26 00-0001)</small> Note: Excludes auguring/drilling for posts.		
01 56 26 00-0160			<b>Relocate Temporary Chain Link Fence On Site</b> <small>(01 56 26 00-0159)</small>		
01 56 26 00-0161	LF		Relocate Temporary 4' High Chain Link Fence And Posts .....	3.35	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 56 26 00-0162	LF	Relocate Temporary 6' High Chain Link Fence And Posts .....	5.02
01 56 26 00-0163	LF	Relocate Temporary 8' High Chain Link Fence And Posts .....	7.26
01 56 26 00-0164	LF	Relocate Temporary 10' High Chain Link Fence And Posts .....	8.93
<b>01 56 26 00-0165</b>		<b>Relocate Temporary Chain Link Fence Panels On Site</b> <small>(01 56 26 00-0159)</small>	
01 56 26 00-0166	LF	Relocate Temporary 4' High Chain Link Fence Panel, Self Standing .....	0.79
01 56 26 00-0167	LF	Relocate Temporary 6' High Chain Link Fence Panel, Self Standing .....	0.95
01 56 26 00-0168	LF	Relocate Temporary 8' High Chain Link Fence Panel, Self Standing .....	1.07
<b>01 56 26 00-0169</b>		<b>Relocate Temporary Chain Link Gates On Site</b> <small>(01 56 26 00-0159)</small>	
01 56 26 00-0170	EA	Relocate Temporary 4' High Chain Link Vehicle Gate And Posts.....	103.13
01 56 26 00-0171	EA	Relocate Temporary 6' High Chain Link Vehicle Gate And Posts.....	119.00
01 56 26 00-0172	EA	Relocate Temporary 8' High Chain Link Vehicle Gate And Posts.....	146.77
01 56 26 00-0173	EA	Relocate Temporary 10' High Chain Link Vehicle Gate And Posts.....	158.68
<b>01 56 26 00-0174</b>		<b>Temporary Safety Fence</b> <small>(01 56 26)</small>	
		Note: Includes removal after use.	
01 56 26 00-0175	LF	48" High With Posts At 8' On Center, Plastic Mesh Temporary Safety Fence .....	3.23
<b>01 56 29</b>		<b>Temporary Protective Walkways</b> <small>(01 56)</small>	
<b>01 56 29 00-0001</b>		<b>Temporary Sidewalk Bridge Protection</b> <small>(01 56 29)</small>	
		Note: Includes removal after use.	
<b>01 56 29 00-0002</b>		<b>Installation of Sidewalk Bridge</b> <small>(01 56 29 00-0001)</small>	
01 56 29 00-0003	LF	Installation of Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly .....	161.36
		Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.	
		<i>For 3 Post System, Add</i>	6.00
		<i>For Each Additional Foot Over 8' Wide, Add</i>	3.00
		<i>For Each Additional Foot Over 8' High, Add</i>	2.00
01 56 29 00-0004	LF	Installation of Netting for Sidewalk Bridge .....	4.11
<b>01 56 29 00-0005</b>		<b>Monthly Rental of Sidewalk Bridge</b> <small>(01 56 29 00-0001)</small>	
01 56 29 00-0006	LF	Monthly Rental Of Up To 8' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly .....	12.17
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.	
		<i>For 3 Post System, Add</i>	1.83
01 56 29 00-0007	LF	Monthly Rental Of Up To 8' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	13.70
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.	
		<i>For 3 Post System, Add</i>	2.06
01 56 29 00-0008	LF	Monthly Rental Of Up To 8' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	15.22
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.	
		<i>For 3 Post System, Add</i>	2.28
01 56 29 00-0009	LF	Monthly Rental Of 8' - 12' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	15.22
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.	
		<i>For 3 Post System, Add</i>	2.28
01 56 29 00-0010	LF	Monthly Rental Of 8' - 12' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	16.73
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.	
		<i>For 3 Post System, Add</i>	2.51
01 56 29 00-0011	LF	Monthly Rental Of 8' - 12' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	19.80
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.	
		<i>For 3 Post System, Add</i>	2.97
01 56 29 00-0012	LF	Monthly Rental Of Over 12' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	18.28
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.	
		<i>For 3 Post System, Add</i>	2.74
01 56 29 00-0013	LF	Monthly Rental Of Over 12' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	21.32
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.	
		<i>For 3 Post System, Add</i>	3.20
01 56 29 00-0014	LF	Monthly Rental Of Over 12' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	22.81
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.	
		<i>For 3 Post System, Add</i>	3.42
01 56 29 00-0015	LF	Monthly Rental of Netting for Sidewalk Bridge.....	2.28
<b>01 56 29 00-0016</b>		<b>Removal of Sidewalk Bridge</b> <small>(01 56 29 00-0001)</small>	
01 56 29 00-0017	LF	Removal Of Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly .....	33.59
		Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.	
		<i>For 3 Post System, Add</i>	2.50
		<i>For Each Additional Foot Over 8' Wide, Add</i>	1.25
		<i>For Each Additional Foot Over 8' High, Add</i>	0.75
01 56 29 00-0018	LF	Removal Of Netting For Sidewalk Bridge .....	2.05
<b>01 56 29 00-0019</b>		<b>Safety Nets</b> <small>(01 56 29)</small>	
		Note: Includes removal after use.	

**01 General Requirements****01 50 Temporary Facilities and Controls****01 56 Temporary Barriers and Enclosures**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

 01 56 29 00-0020 SF Small Mesh Debris Netting .....1.87  
 Note: Includes 3" molded plastic base plates, plastic cable ties, and 1/4", 7x9 aircraft cable tied off to structure, not including anchors.
**01 56 33 Temporary Security Barriers (01 56)****01 56 33 00-0001 Board-up Opening With Plywood (01 56 33)**

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

 01 56 33 00-0002 OPN Removal Of Protective Barrier To Allow Work In Building, Reseal At End Of Day, Per Opening Per Day..... 11.91  
 01 56 33 00-0003 SF 5/8" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners, For Board-Up Opening .....8.99  
 01 56 33 00-0004 SF 3/4" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners, For Board-Up Opening .....10.37
**01 56 33 00-0005 Temporary Pedestrian Barricade (01 56 33)**

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

 01 56 33 00-0006 DAY 3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental..... 11.34  
 01 56 33 00-0007 WK 3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental.....27.55  
 01 56 33 00-0008 MO 3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental.....82.64
**01 56 39 Temporary Tree and Plant Protection (01 56)****01 56 39 00-0001 Temporary Tree Guards (01 56 39)**

Note: Includes digging holes and removal after use.

 01 56 39 00-0002 EA Up To 4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail .....170.01  
 01 56 39 00-0003 EA 4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail .....200.84  
 01 56 39 00-0004 EA 6' x 6' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail .....218.13
**01 57 Temporary Controls (01 50)****01 57 13 Temporary Erosion and Sediment Control (01 57)**

See CSI section 31 25 00 00-0000 for temporary erosion and sediment control.

**01 57 23 Temporary Storm Water Pollution Control (01 57)**

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

**01 57 23 00-0001 Temporary Drain Guard (01 57 23)**

Note: Includes removal after use.

 01 57 23 00-0002 EA 36" x 48" x 18" Non-Woven Polypropylene Trash and Debris Drain Guard (Ultra-Drain Guard® 9227) .....90.77  
 01 57 23 00-0003 EA 36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9217) .....89.10  
 Note: Up to 0.87 gallons oil, up to 40 lbs sediment.  
 01 57 23 00-0004 EA 36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9219) .....112.58  
 Note: Up to 1.38 gallons oil, up to 40 lbs sediment.  
 01 57 23 00-0005 EA 60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9356) .....110.89  
 Note: Up to 1.55 gallons oil, up to 40 lbs sediment.  
 01 57 23 00-0006 EA 60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9358) .....136.05  
 Note: Up to 2.06 gallons oil, up to 40 lbs sediment.
**01 58 Project Identification (01 50)**

Note: Includes removal after use.

**01 58 13 Temporary Project Signage (01 58)****01 58 13 00-0001 Project Sign (01 58 13)****01 58 13 00-0002 MDO Plywood Signs (01 58 13 00-0001)**

Note: Excludes posts.

**01 58 13 00-0003 Reflectorized, MDO Plywood Signs (01 58 13 00-0002)****01 58 13 00-0004 Engineer Grade, Reflectorized, MDO Plywood Signs (01 58 13 00-0003)**
 01 58 13 00-0005 EA Up To 8 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign .....144.04 21.82  
 For High-Intensity Grade, Add 35.14  
 For Diamond Grade, Add 67.77  
 01 58 13 00-0006 EA >8 To 16 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign .....246.43 22.81  
 For High-Intensity Grade, Add 70.28  
 For Diamond Grade, Add 135.55  
 01 58 13 00-0007 EA >16 To 24 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign .....348.82 23.80  
 For High-Intensity Grade, Add 105.42  
 For Diamond Grade, Add 203.32  
 01 58 13 00-0008 EA >24 To 32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign .....451.22 24.80  
 For High-Intensity Grade, Add 140.57  
 For Diamond Grade, Add 271.09  
 01 58 13 00-0009 SF >32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign .....14.14 0.79  
 For High-Intensity Grade, Add 4.39  
 For Diamond Grade, Add 8.47
**01 58 13 00-0010 Non-Reflectorized, MDO Plywood Signs (01 58 13 00-0002)****01 58 13 00-0011 One Or Two Color Design, Non-Reflectorized, MDO Plywood Signs (01 58 13 00-0010)**
 01 58 13 00-0012 EA Up To 8 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign .....179.86 21.82  
 01 58 13 00-0013 EA >8 To 16 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign .....214.35 22.81

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 58 13 00-0014	EA	>16 To 24 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign .....	268.20	23.80
01 58 13 00-0015	EA	>24 To 32 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign .....	319.04	24.80
01 58 13 00-0016	SF	>32 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign.....	10.01	0.79

<b>01 58 13 00-0017 Full Color Design, Non-Reflectorized, MDO Plywood Signs (01 58 13 00-0010)</b>				
01 58 13 00-0018	EA	Up To 8 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign.....	183.70	21.82
01 58 13 00-0019	EA	>8 To 16 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign .....	235.03	22.81
01 58 13 00-0020	EA	>16 To 24 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign .....	289.21	23.80
01 58 13 00-0021	EA	>24 To 32 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign .....	337.05	24.80
01 58 13 00-0022	SF	>32 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign .....	10.57	0.79

<b>01 58 13 00-0023 Fabricate And Install New Posts (01 58 13 00-0001)</b>				
Note: Includes excavation, backfill and compaction. Excludes core drilling.				
01 58 13 00-0024	LF	Galvanized Metal Channel Sign Posts.....	14.31	
01 58 13 00-0025	LF	4" x 4" Pressure Treated Wood Sign Posts .....	12.05	
01 58 13 00-0026	LF	4" x 6" Pressure Treated Wood Sign Posts .....	14.40	

<b>01 58 13 00-0027 Owner Supplied Signs (01 58 13 00-0001)</b>				
01 58 13 00-0028	EA	Installation And Removal Of Owner Supplied Project Sign.....	79.34	

## 01 60 Product Requirements (01)

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

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

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

<b>01 66 19 00-0001 Transfer Delivered Materials Between Floors (01 66 19)</b>				
Note: For moving delivered, owner supplied or existing materials in a building.				
01 66 19 00-0002	CY	Transfer Delivered Material Between Floors Via Stairs, Per Floor.....	15.26	
Note: Quantity equals volume of materials multiplied by number of floors traveled.				
01 66 19 00-0003	CY	Transfer Delivered Material Between Floors Via Elevator, Per Trip.....	9.92	
Note: Quantity is not multiplied by number of floors traveled. Includes transfer of materials between elevators, if more than one bank of elevators is required.				
01 66 19 00-0004	CY	Transfer Delivered Material Between Floors Via Freight Elevator, Per Trip.....	14.44	
Note: Quantity is not multiplied by number of floors traveled. Includes transfer of materials between elevators, if more than one bank of elevators is required.				

<b>01 66 19 00-0005 Transfer Delivered Materials Distances Greater Than 125' (01 66 19)</b>				
Note: For moving delivered, owner supplied or existing materials in a building.				
01 66 19 00-0006	CY	Transfer Delivered Materials Distances Greater Than 125', Per CY Of Material Per 125' .....	6.19	
01 66 19 00-0007	CY	Transfer Delivered Material With 2 CY Cart Greater Than 125', Per CY Of Material Per 125' .....	24.80	
Note: For delivery, demo or miscellaneous moving required by owner. Includes wrapping of cart and two person for movement.				

<b>01 66 19 00-0008 Transfer Demolition Debris Between Floors (01 66 19)</b>				
Note: Only for use with demolition tasks.				
01 66 19 00-0009	CY	Transfer Demolition Debris Between Floors Via Stairs, Per Floor .....	15.26	
Note: Quantity equals material volume times bulk factor times number of floors traveled.				
01 66 19 00-0010	CY	Transfer Demolition Debris Between Floors Via Elevator, Per Trip .....	9.92	
Note: Quantity is not multiplied by number of floors traveled. Includes transfer of materials between elevators, if more than one bank of elevators is required.				
01 66 19 00-0011	CY	Rubbish Handling Via Freight Elevator, Per CY Of Material Per Trip .....	13.01	

<b>01 66 19 00-0012 Transfer Demolition Debris Distances Greater Than 125' (01 66 19)</b>				
Note: Only for use with demolition tasks.				
01 66 19 00-0013	CY	Transfer Demolition Debris Distances Greater Than 125', Per CY Of Material Per 125' .....	6.19	

<b>01 66 19 00-0014 Moving Furniture And Furnishings (01 66 19)</b>				
Note: To be used when contractor is required to move furniture and furnishings occupying 55% or more of the total floor space.				
01 66 19 00-0015	SF	Removal, Transportation, Return And Reinstallation Of Office Furniture And Furnishings.....	0.99	
Note: Includes desks, tables, file cabinets, chairs, storage boxes, bookshelves, office equipment, computers, and other furniture and furnishings. Quantity equals total floor space.				

## 01 70 Execution and Closeout Requirements (01)

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

#### 01 71 13 Mobilization (01 71)

<b>01 71 13 00-0001 Equipment Delivery, Pickup, Mobilization And Demobilization (01 71 13)</b>				
Note: Excludes flagman for traffic control where necessary.				
01 71 13 00-0002	EA	Equipment Delivery, Pickup, Mobilization And Demobilization Using A Rollback Flatbed Truck .....	437.38	
Note: Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as trenchers, skid-steer loaders (bobcats), industrial warehouse forklifts, sweepers, scissor platform lifts, telescoping and articulating boom man lifts with up to 40' boom lengths, etc.				

**01 General Requirements**  
**01 70 Execution and Closeout Requirements**  
**01 71 Examination and Preparation**

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01 71 13 00-0003	EA	Equipment Delivery, Pickup, Mobilization And Demobilization Using A Tractor Trailer With Up To 53' Bed.....	1,453.75	
		Note: Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as bulldozers, motor scrapers, hydraulic excavators, gradalls, road graders, loader-backhoes, heavy duty construction loaders, tractors, pavers, rollers, bridge finishers, straight mast construction forklifts, telescoping boom rough terrain construction forklifts, telescoping and articulating boom man lifts with >40' boom lengths, etc.		
<b>01 71 13 00-0004</b>		<b>Crane Delivery, Pickup, Mobilization And Demobilization</b> <small>(01 71 13)</small>		
		Note: Includes delivery of equipment, off loading on site and rigging. Pick-up (return) includes dismantling, loading and transporting away. Excludes flagman for traffic control where necessary.		
01 71 13 00-0005	EA	Up To 20 Ton Lift Move On/Off Cost, Hydraulic Crane.....	466.53	
		Note: Includes delivery and pickup.		
		For >30 To 60 Miles Radius, Add	116.63	
		For >60 To 100 Miles Radius, Add	186.61	
01 71 13 00-0006	EA	>20 To 40 Ton Lift Move On/Off Cost, Hydraulic Crane.....	758.12	
		Note: Includes delivery and pickup.		
		For >30 To 60 Miles Radius, Add	189.53	
		For >60 To 100 Miles Radius, Add	303.25	
01 71 13 00-0007	EA	>40 To 70 Ton Lift Move On/Off Cost, Hydraulic Crane.....	1,049.70	
		Note: Includes delivery and pickup.		
		For >30 To 60 Miles Radius, Add	262.43	
		For >60 To 100 Miles Radius, Add	419.88	
01 71 13 00-0008	EA	>70 To 110 Ton Lift Move On/Off Cost, Hydraulic Crane.....	1,691.19	
		Note: Includes delivery and pickup.		
		For >30 To 60 Miles Radius, Add	422.80	
		For >60 To 100 Miles Radius, Add	676.48	
01 71 13 00-0009	EA	>110 To 125 Ton Lift Move On/Off Cost, Hydraulic Crane.....	2,122.74	
		Note: Includes delivery and pickup.		
		For >30 To 60 Miles Radius, Add	530.69	
		For >60 To 100 Miles Radius, Add	849.10	
01 71 13 00-0010	EA	>125 To 150 Ton Lift Move On/Off Cost, Hydraulic Crane.....	2,641.76	
		Note: Includes delivery and pickup.		
		For >30 To 60 Miles Radius, Add	660.44	
		For >60 To 100 Miles Radius, Add	1,056.70	
01 71 13 00-0011	EA	>150 To 185 Ton Lift Move On/Off Cost, Hydraulic Crane.....	3,044.15	
		Note: Includes delivery and pickup.		
		For >30 To 60 Miles Radius, Add	761.04	
		For >60 To 100 Miles Radius, Add	1,217.66	
01 71 13 00-0012	EA	>185 To 210 Ton Lift Move On/Off Cost, Hydraulic Crane.....	3,405.71	
		Note: Includes delivery and pickup.		
		For >30 To 60 Miles Radius, Add	851.43	
		For >60 To 100 Miles Radius, Add	1,362.28	
01 71 13 00-0013	EA	75 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane.....	1,807.82	
		Note: Includes delivery, rigging and pickup.		
		For >30 To 60 Miles Radius, Add	451.96	
		For >60 To 100 Miles Radius, Add	723.13	
01 71 13 00-0014	EA	100 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane.....	2,857.54	
		Note: Includes delivery, rigging and pickup.		
		For >30 To 60 Miles Radius, Add	714.39	
		For >60 To 100 Miles Radius, Add	1,143.02	
01 71 13 00-0015	EA	125 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane.....	3,615.65	
		Note: Includes delivery, rigging and pickup.		
		For >30 To 60 Miles Radius, Add	903.91	
		For >60 To 100 Miles Radius, Add	1,446.26	
01 71 13 00-0016	EA	150 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane.....	4,490.41	
		Note: Includes delivery, rigging and pickup.		
		For >30 To 60 Miles Radius, Add	1,122.60	
		For >60 To 100 Miles Radius, Add	1,796.16	
01 71 13 00-0017	EA	200 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane.....	5,598.43	
		Note: Includes delivery, rigging and pickup.		
		For >30 To 60 Miles Radius, Add	1,399.61	
		For >60 To 100 Miles Radius, Add	2,239.37	
01 71 13 00-0018	EA	250 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane.....	6,531.51	
		Note: Includes delivery, rigging and pickup.		
		For >30 To 60 Miles Radius, Add	1,632.88	
		For >60 To 100 Miles Radius, Add	2,612.60	
01 71 13 00-0019	EA	300 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane.....	9,330.72	
		Note: Includes delivery, rigging and pickup.		
		For >30 To 60 Miles Radius, Add	2,332.68	
		For >60 To 100 Miles Radius, Add	3,732.29	
01 71 13 00-0020	EA	500 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane.....	12,794.75	
		Note: Includes delivery, rigging and pickup.		
		For >30 To 60 Miles Radius, Add	3,198.69	
		For >60 To 100 Miles Radius, Add	5,117.90	

**01 71 23 Field Engineering** (01 71)

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

**01 71 23 16-0001 Conventional Topographic Survey** (01 71 23 16)

Note: The professional services include AutoCAD drafting and certification. The survey includes location of structures, walks, drives, parking, significant vegetation, utilities, etc. The area within building footprint is not to be considered as part of the acreage.

01 71 23 16-0002	ACR	Conventional Topographic Survey Of Clear Area With Few To No Obstacles.....	1,112.35	
01 71 23 16-0003	ACR	Conventional Topographic Survey Of Clear Area With Medium Height Vegetation, Few Trees (<5% Buildings).....	3,137.29	
01 71 23 16-0004	ACR	Conventional Topographic Survey Of Clear Area With Few Structures, And/Or Wooded (5-25% Buildings).....	4,503.40	
01 71 23 16-0005	ACR	Conventional Topographic Survey Of Developed Areas With Several Structures (25-65% Buildings).....	6,786.81	
01 71 23 16-0006	ACR	Conventional Topographic Survey Of Highly Developed Areas, Sidewalks, Etcetera (>65% Buildings).....	8,502.49	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**01 71 23 16-0007 Property Lines Survey** (01 71 23 16)  
 Note: Not to be added to tasks in the "Conventional Topographic Survey" section.

01 71 23 16-0008	LF		Survey Property Lines On Cleared Land .....	2.53	
01 71 23 16-0009	LF		Survey Property Lines On Slightly Wooded Land .....	2.94	
01 71 23 16-0010	LF		Survey Property Lines On Wooded Land .....	3.43	

**01 71 23 16-0011 Survey Monument** (01 71 23 16)

01 71 23 16-0012	EA		3' Precast Survey Monument .....	169.95	
			<i>For Owner Furnished Monument, Deduct</i> .....	-71.57	
01 71 23 16-0013	EA		Precast Survey Monument Box With Cast Iron Frame And Cover .....	253.23	
01 71 23 16-0014	EA		Riser Ring For Survey Monument .....	129.52	
01 71 23 16-0015	EA		Adjust Survey Monument Cover To Grade .....	214.71	

**01 71 23 16-0016 Facade Surveying** (01 71 23 16)

01 71 23 16-0017	LF		Facade Survey And Reports (LF Of Facade x Number Of Floors) .....	6.96	
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**01 71 36 Non-Destructive Concrete Examination** (01 71)

**01 71 36 00-0001 Electromagnetic Survey** (01 71 36)  
 Note: To locate voids, prior to moving heavy machinery to an area of concern, to locate reinforcing bars, conduits, pipes, etc., prior to core drilling or cutting existing concrete, masonry or asphalt, to locate underground utilities, underground storage tanks, etc. Electromagnetic survey includes Subsurface Interface Radar (SIR) and/or Ground Penetrating Radar (GPR).

**01 71 36 00-0002 Electromagnetic (SIR/GPR) Survey** (01 71 36 00-0001)

01 71 36 00-0003	EA		Up To 1 Hour On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt .....	912.42	
01 71 36 00-0004	EA		>1 To 4 Hours On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt .....	1,368.63	
01 71 36 00-0005	EA		>4 To 8 Hours On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt .....	2,737.26	

**01 71 36 00-0006 Reports And Mapping For Electromagnetic (SIR/GPR) Surveys** (01 71 36 00-0001)

01 71 36 00-0007	EA		Standard Report For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt .....	304.14	
			Note: Includes a detailed description of the scope of work, inspection methods, and equipment used. Also includes visuals such as site locations, images of data, and site photos.		
01 71 36 00-0008	EA		GPS Mapping Of Located Utilities/Items For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt .....	608.28	
			Note: Includes GPS coordinates of located items and reference items.		
01 71 36 00-0009	EA		CAD Mapping Of Located Utilities/Items For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt .....	1,368.63	
			Note: Includes additions to the owner provided CAD drawing.		

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

**01 74 13 Progress Cleaning** (01 74)  
 Note: For use on existing areas other than where actual work is to be performed where ordered by the owner. Daily cleanup and final cleanup is included in the contractor's adjustment factor.

**01 74 13 00-0001 General** (01 74 13)

01 74 13 00-0002	CSF		Clean Miscellaneous Surfaces, Wipe Down With Mild Detergent .....	19.86	
01 74 13 00-0003	CY		Collect Existing Debris And Load Into Truck Or Dumpster .....	23.27	
			Note: Per CY of debris removed.		
01 74 13 00-0004	CSF		Wet Mop, Disinfect And High Efficiency Particulate Air (HEPA) Vacuum Floors (Three Step Process) .....	18.61	
			Note: For use in contained areas for Class III or IV infection control.		

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

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

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

01 74 16 00-0003	MSF		Sweep Parking Lot, With Street Sweeper .....	20.87	
01 74 16 00-0004	MSF		Sweeper/Vacuum/Sprayer For Parking Lots, Streets And Roads .....	25.05	

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

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

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

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

01 74 19 00-0003	LF		18" Diameter, Steel Temporary Debris Chute .....	35.57	
01 74 19 00-0004	LF		30" Diameter, Steel Temporary Debris Chute .....	53.71	

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

01 74 19 00-0006	LF		24" Diameter, Plastic Temporary Debris Chute .....	14.07	
			<i>For Steel Liner, Add</i> .....	2.74	
01 74 19 00-0007	LF		30" Diameter, Plastic Temporary Debris Chute .....	16.13	
			<i>For Steel Liner, Add</i> .....	3.14	

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

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01 74 19 00-0008	LF	36" Diameter, Plastic Temporary Debris Chute ..... <i>For Steel Liner, Add</i>	18.17 3.54
<b>01 74 19 00-0009</b>		<b>Wood Temporary Debris Chutes</b> <small>(01 74 19 00-0001)</small>	
01 74 19 00-0010	LF	4' x 4', Wood Temporary Debris Chute ..... Note: Includes fabrication and installation.	27.49
<b>01 74 19 00-0011</b>		<b>Construction Dumpsters Rental</b> <small>(01 74 19)</small> Note: Includes service to delivery and pick-up of dumpster, hauling of debris, rental of dumpster and all applicable non-hazardous disposal fees. Cost of "each" is based on each pick-up. Use modifier for excess tons up to legal state limit. Unacceptable materials include: aerosol cans, all liquids, animals, antifreeze, appliances, asbestos, barrels, batteries, chemical products, computers, contaminated oils (mixed with solvents, gasoline, etc.), dirt, fluorescent tubes, hazardous waste, herbicides and pesticides, industrial waste, lubricating/hydraulic oil, mattresses, medical waste, microwaves, monitors, motor oil, oil filters, other flammable liquids, paint (except completely dried latex paint cans, no liquids), petroleum-contaminated soil/lead paint chips, propane tanks, radioactive material, railroad ties, solvents, televisions, tires, and transmission oil.	
01 74 19 00-0012	EA	10 CY Dumpster (1 Ton) "Construction Debris" ..... Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material. <i>For Each Ton Over Indicated Amount, Add</i>	567.49 95.00
01 74 19 00-0013	EA	15 CY Dumpster (1.5 Ton) "Construction Debris" ..... Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material. <i>For Each Ton Over Indicated Amount, Add</i>	615.00 95.00
01 74 19 00-0014	EA	20 CY Dumpster (3 Ton) "Construction Debris" ..... Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material. <i>For Each Ton Over Indicated Amount, Add</i>	675.00 95.00
01 74 19 00-0015	EA	30 CY Dumpster (4 Ton) "Construction Debris" ..... Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material. <i>For Each Ton Over Indicated Amount, Add</i>	719.99 95.00
01 74 19 00-0016	EA	40 CY Dumpster (6 Ton) "Construction Debris" ..... Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material. <i>For Each Ton Over Indicated Amount, Add</i>	835.00 95.00
01 74 19 00-0017	EA	10 CY Low-Boy Dumpster "Concrete Or Asphalt Only" ..... Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Concrete or asphalt only.	835.00
01 74 19 00-0018	EA	15 CY Low-Boy Dumpster Clean Recyclable..... Note: For clean dirt, rock, concrete brick or asphalt with no trash or organics. Includes service to deliver and pick-up dumpster, hauling, rental and disposal fee.	799.21
01 74 19 00-0019	EA	15 CY Low-Boy Dumpster Mixed Recyclable ..... Note: For mixed dirt, rock, concrete brick or asphalt with no trash or organics. Includes service to deliver and pick-up dumpster, hauling, rental and disposal fee.	858.85
<b>01 74 19 00-0020</b>		<b>Concrete Washout Service</b> <small>(01 74 19)</small>	
01 74 19 00-0021	MO	Rampless Concrete Washout Bin ..... Note: Includes delivery.	580.90
01 74 19 00-0022	MO	Ramped Concrete Washout Bin..... Note: Includes delivery.	697.07
01 74 19 00-0023	EA	Interim Vacuum Service, Concrete Washout Bin ..... Note: Includes vacuum and recycle excess clear liquid from the unfilled bin to allow additional space for washout material.	502.05
01 74 19 00-0024	EA	Vacuum, Pickup, Swap And Dump, Concrete Washout Bin ..... Note: Includes vacuum the liquid from the full bin and pick up the bin, and recycle all material. An empty bin will be left at the site if the project is not completed.	1,087.78
<b>01 74 19 00-0025</b>		<b>Debris Processing Fee</b> <small>(01 74 19)</small>	
<b>01 74 19 00-0026</b>		<b>Material Recycling Fees</b> <small>(01 74 19 00-0025)</small> Note: Not to be used with Dumpster Tasks which includes the Landfill Dump Fee. Excludes hauling.	
01 74 19 00-0027	CY	Drop-Off Asphalt At Recycling Center.....	16.22
01 74 19 00-0028	CY	Drop-Off Non Reinforced Concrete At Recycling Center .....	21.72
01 74 19 00-0029	CY	Drop-Off Reinforced Concrete At Recycling Center .....	32.59
01 74 19 00-0030	CY	Drop-Off Brick Or Block At Recycling Center.....	28.24
01 74 19 00-0031	CY	Drop-Off Dirt At Recycling Center.....	31.50
01 74 19 00-0032	CY	Drop-Off Dimensional Lumber At Recycling Center.....	30.41
<b>01 74 19 00-0033</b>		<b>Landfill Dump Fees</b> <small>(01 74 19 00-0025)</small> Note: Does not apply when material is transferred to owner's site or facility, or with use of dumpsters. Excludes hauling.	
01 74 19 00-0034	CY	Traditional Building Construction Materials Landfill Dump Fee.....	14.46
01 74 19 00-0035	TON	Traditional Building Construction Materials, Landfill Dump Fee.....	63.00
01 74 19 00-0036	CY	Trees, Stumps And Brush, Landfill Dump Fee.....	17.40
01 74 19 00-0037	CY	Hazardous Materials And Rubbish Landfill Dump Fee..... Note: Includes regulated waste such as paint cans, refrigerators/freezers, air conditioners, smoke detectors, batteries, etc.	41.49
01 74 19 00-0038	CY	Asphalt, Concrete, Gravel And Subgrade Material, Landfill Dump Fee .....	29.48
<b>01 74 19 00-0039</b>		<b>Hauling</b> <small>(01 74 19)</small> Note: Includes driver and equipment, ten (10) to fifteen (15) minutes load time, time for travel, dump time and return (roundtrip). The task quantity is the number of miles to the disposal site/transfer station (one way mileage) times the number of cubic yards being transported. For example, to haul 8 CY to a site 14 miles away, the quantity is calculated as follows: 14 miles x 8 CY = 112 CYM. Use both hauling tasks for distances greater than 15 miles. To haul 28 CY to a site 32 miles away, the quantity for the task to haul the first 15 miles is calculated: 15 miles x 28 CY = 420 CYM. The quantity for the additional hauling task over the first 15 miles is calculated: 32 total miles less 15 initial miles equals 17 miles x 28 CY = 476 CYM.	



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

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01 74 19 00-0040	CYM Hauling On Paved Roads, First 15 Miles .....	0.93
01 74 19 00-0041	CYM Hauling On Paved Roads, Miles Over Initial 15 Miles.....	0.63
01 74 19 00-0042	CYM Hauling On Unimproved Roads, First 15 Miles .....	1.44
01 74 19 00-0043	CYM Hauling On Unimproved Roads, Miles Over Initial 15 Miles.....	1.12

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

01 74 23 00-0001	Cleaning Of Glass <small>(01 74 23)</small>	
01 74 23 00-0002	CSF Cleaning Of Existing Glass Surfaces .....	26.83

01 90 Life Cycle Activities (01)

01 91 Commissioning (01 90)

**01 91 13 General Commissioning Requirements** (01 91)

01 91 13 00-0001	Commissioning Of Systems <small>(01 91 13)</small>	
Note: For use with commissioning of mechanical and electrical systems.		
01 91 13 00-0002	HR Commissioning - Fire Protection Sprinkler Systems .....	165.70
01 91 13 00-0003	HR Commissioning - Plumbing Systems .....	216.47
01 91 13 00-0004	HR Commissioning - HVAC/Mechanical Systems .....	243.52
01 91 13 00-0005	HR Commissioning - Electrical/Fire Alarms/Security Systems.....	215.21

**END OF SECTION 01**

01	<b>01 General Requirements</b>	
	01 90	Life Cycle Activities
	01 91	Commissioning



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

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MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

02 Existing Conditions

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

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

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

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

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

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

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

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

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

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

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

02 32 13 00-0002 EA Mobilization Of Drilling Crew ..... 1,098.23

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

02 32 13 00-0004 LF Standard Auger Hole With Split Spoon Sample At 5' Intervals ..... 33.08

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

Note: All types of soils.

02 32 13 00-0006 LF 2-1/2" Diameter Cased Borings In Earth, With Samples ..... 81.53

02 32 13 00-0007 LF 4" Diameter Cased Borings In Earth, With Samples ..... 139.40

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

02 32 13 00-0009 LF Drill In Rock, BW Core, With Casing ..... 86.68

Note: Includes sampling.

02 32 13 00-0010 EA Drill In Rock, With BW Core Boxes ..... 8.03

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

02 32 13 00-0012 LF Drill In Rock, NW Core, With Casing ..... 111.97

Note: Includes sampling.

02 32 13 00-0013 EA Drill In Rock, With NW Core Boxes ..... 9.22

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

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

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

02 32 13 00-0016 CY Excavation For Test Pit, Light Material, Backhoe Excavation ..... 63.65

02 32 13 00-0017 CY Excavation For Test Pits, Medium Material, Backhoe Excavation ..... 74.26

02 32 13 00-0018 CY Excavation For Test Pit, Heavy Material, Backhoe Excavation ..... 99.00

**02 32 13 00-0019 Shelby Tube Sampling <sup>(02 32 13)</sup>**

02 32 13 00-0020 EA Shelby Tube Sampling ..... 43.85

02 32 13 00-0021 EA Penetration Test ..... 35.73

**02 32 13 00-0022 Grouting <sup>(02 32 13)</sup>**

02 32 13 00-0023 VLF Boreholes ..... 8.31

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

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

Note: Assumes on-site disposal.

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

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

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

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

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

02 32 19 00-0005 CY Hydro Excavation, Adverse Soil Conditions (Hydro-Vac Truck) ..... 58.13

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

02 40 Demolition and Structure Moving <sup>(02)</sup>

02 41 Demolition <sup>(02 40)</sup>

**02 41 13 Selective Site Demolition <sup>(02 41)</sup>**

MINOR	CSI	UOM	DESCRIPTION
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TOTAL DIRECT	DEMOLITION
UNIT COST	UNIT COST

**02 41 13 13 Paving Removal** (02 41 13)

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

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

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

02 41 13 13-0002	SY	Up To 3" By Machine, Break-up And Leave In Place Bituminous Paving .....	6.77
		For >500 To 1,000, Deduct	-0.68
		For >1,000 To 2,500, Deduct	-1.22
		For >2,500 To 5,000, Deduct	-1.76
		For >5,000 To 10,000, Deduct	-2.30
		For >10,000, Deduct	-2.84
02 41 13 13-0003	SY	>3" To 6" By Machine, Break-up And Leave In Place Bituminous Paving .....	10.17
		For >500 To 1,000, Deduct	-1.02
		For >1,000 To 2,500, Deduct	-1.83
		For >2,500 To 5,000, Deduct	-2.64
		For >5,000 To 10,000, Deduct	-3.46
		For >10,000, Deduct	-4.27
02 41 13 13-0004	SY	>6" To 8" By Machine, Break-up And Leave In Place Bituminous Paving .....	13.55
		For >500 To 1,000, Deduct	-1.36
		For >1,000 To 2,500, Deduct	-2.44
		For >2,500 To 5,000, Deduct	-3.52
		For >5,000 To 10,000, Deduct	-4.61
		For >10,000, Deduct	-5.69
02 41 13 13-0005	SY	Up To 3" By Machine, Break-up And Leave In Place Concrete Paving .....	13.32
		For >500 To 1,000, Deduct	-1.33
		For >1,000 To 2,500, Deduct	-2.40
		For >2,500 To 5,000, Deduct	-3.46
		For >5,000 To 10,000, Deduct	-4.53
		For >10,000, Deduct	-5.59
02 41 13 13-0006	SY	>3" To 6" By Machine, Break-up And Leave In Place Concrete Paving .....	18.81
		For >500 To 1,000, Deduct	-1.88
		For >1,000 To 2,500, Deduct	-3.39
		For >2,500 To 5,000, Deduct	-4.89
		For >5,000 To 10,000, Deduct	-6.40
		For >10,000, Deduct	-7.90
02 41 13 13-0007	SY	>6" To 9" By Machine, Break-up And Leave In Place Concrete Paving .....	26.65
		For >500 To 1,000, Deduct	-2.67
		For >1,000 To 2,500, Deduct	-4.80
		For >2,500 To 5,000, Deduct	-6.93
		For >5,000 To 10,000, Deduct	-9.06
		For >10,000, Deduct	-11.19
02 41 13 13-0008	SY	>9" To 14" By Machine, Break-up And Leave In Place Concrete Paving.....	37.62
		For >500 To 1,000, Deduct	-3.76
		For >1,000 To 2,500, Deduct	-6.77
		For >2,500 To 5,000, Deduct	-9.78
		For >5,000 To 10,000, Deduct	-12.79
		For >10,000, Deduct	-15.80
02 41 13 13-0009	SY	>14" To 19" By Machine, Break-up And Leave In Place Concrete Paving.....	49.19
		For >500 To 1,000, Deduct	-4.92
		For >1,000 To 2,500, Deduct	-8.85
		For >2,500 To 5,000, Deduct	-12.79
		For >5,000 To 10,000, Deduct	-16.72
		For >10,000, Deduct	-20.66
02 41 13 13-0010	SY	>19" To 24" By Machine, Break-up And Leave In Place Concrete Paving.....	63.95
		For >500 To 1,000, Deduct	-6.40
		For >1,000 To 2,500, Deduct	-11.51
		For >2,500 To 5,000, Deduct	-16.63
		For >5,000 To 10,000, Deduct	-21.74
		For >10,000, Deduct	-26.86

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

Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles with jackhammer and hand tools. For individual work areas where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. These tasks are not to be used in conjunction with any other loading activities or other break-up tasks. Excludes saw cutting. See CSI section 02 41 13 13-0018 for breaking-up, removal and loading as a combined operation, 02 41 13 13-0032 for breaking-up, removal and loading as a combined operation, 02 41 19 13-0001 for saw cutting.

02 41 13 13-0012	SF	Up To 3" By Hand, Break-up And Leave In Place Bituminous Paving.....	1.62
02 41 13 13-0013	SF	>3" To 6" By Hand, Break-up And Leave In Place Bituminous Paving .....	2.06
02 41 13 13-0014	SF	>6" To 8" By Hand, Break-up And Leave In Place Bituminous Paving .....	2.73
02 41 13 13-0015	SF	Up To 3" By Hand, Break-up And Leave In Place Concrete Paving .....	2.04
02 41 13 13-0016	SF	>3" To 6" By Hand, Break-up And Leave In Place Concrete Paving .....	2.59
02 41 13 13-0017	SF	>6" To 8" By Hand, Break-up And Leave In Place Concrete Paving .....	3.41

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

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0019 SY Up To 3" By Machine, Break-up And Remove Bituminous Paving .....	14.87	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	4.46	
For Elevated Slab, Add	7.44	
For >500 To 1,000, Deduct	-1.49	
For >1,000 To 2,500, Deduct	-2.68	
For >2,500 To 5,000, Deduct	-3.87	
For >5,000 To 10,000, Deduct	-5.06	
For >10,000, Deduct	-6.25	
02 41 13 13-0020 SY >3" To 6" By Machine, Break-up And Remove Bituminous Paving.....	20.30	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	6.09	
For Elevated Slab, Add	10.15	
For >500 To 1,000, Deduct	-2.03	
For >1,000 To 2,500, Deduct	-3.65	
For >2,500 To 5,000, Deduct	-5.28	
For >5,000 To 10,000, Deduct	-6.90	
For >10,000, Deduct	-8.53	
02 41 13 13-0021 SY Up To 3" By Machine, Break-up And Remove Non Reinforced Concrete Paving.....	17.11	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	5.13	
For Elevated Slab, Add	8.56	
For >500 To 1,000, Deduct	-1.71	
For >1,000 To 2,500, Deduct	-3.08	
For >2,500 To 5,000, Deduct	-4.45	
For >5,000 To 10,000, Deduct	-5.82	
For >10,000, Deduct	-7.19	
02 41 13 13-0022 SY >3" To 6" By Machine, Break-up And Remove Non Reinforced Concrete Paving.....	22.38	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	6.71	
For Elevated Slab, Add	11.19	
For >500 To 1,000, Deduct	-2.24	
For >1,000 To 2,500, Deduct	-4.03	
For >2,500 To 5,000, Deduct	-5.82	
For >5,000 To 10,000, Deduct	-7.61	
For >10,000, Deduct	-9.40	
02 41 13 13-0023 SY Up To 3" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	22.71	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	6.81	
For Elevated Slab, Add	11.36	
For >500 To 1,000, Deduct	-2.27	
For >1,000 To 2,500, Deduct	-4.09	
For >2,500 To 5,000, Deduct	-5.90	
For >5,000 To 10,000, Deduct	-7.72	
For >10,000, Deduct	-9.54	
02 41 13 13-0024 SY >3" To 6" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	29.42	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	8.83	
For Elevated Slab, Add	14.71	
For >500 To 1,000, Deduct	-2.94	
For >1,000 To 2,500, Deduct	-5.30	
For >2,500 To 5,000, Deduct	-7.65	
For >5,000 To 10,000, Deduct	-10.00	
For >10,000, Deduct	-12.36	
02 41 13 13-0025 SY >6" To 9" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	48.76	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	14.63	
For Elevated Slab, Add	24.38	
For >500 To 1,000, Deduct	-4.88	
For >1,000 To 2,500, Deduct	-8.78	
For >2,500 To 5,000, Deduct	-12.68	
For >5,000 To 10,000, Deduct	-16.58	
For >10,000, Deduct	-20.48	
02 41 13 13-0026 SY Up To 3" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	24.62	
For Elevated Slab, Add	12.31	
For >500 To 1,000, Deduct	-2.46	
For >1,000 To 2,500, Deduct	-4.43	
For >2,500 To 5,000, Deduct	-6.40	
For >5,000 To 10,000, Deduct	-8.37	
For >10,000, Deduct	-10.34	
02 41 13 13-0027 SY >3" To 6" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	31.65	
For Elevated Slab, Add	15.83	
For >500 To 1,000, Deduct	-3.17	
For >1,000 To 2,500, Deduct	-5.70	
For >2,500 To 5,000, Deduct	-8.23	
For >5,000 To 10,000, Deduct	-10.76	
For >10,000, Deduct	-13.29	
02 41 13 13-0028 SY >6" To 9" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	56.59	
For Elevated Slab, Add	28.30	
For >500 To 1,000, Deduct	-5.66	
For >1,000 To 2,500, Deduct	-10.19	
For >2,500 To 5,000, Deduct	-14.71	
For >5,000 To 10,000, Deduct	-19.24	
For >10,000, Deduct	-23.77	
02 41 13 13-0029 SY >9" To 14" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	73.86	
For Elevated Slab, Add	36.93	
For >500 To 1,000, Deduct	-7.39	
For >1,000 To 2,500, Deduct	-13.29	
For >2,500 To 5,000, Deduct	-19.20	
For >5,000 To 10,000, Deduct	-25.11	
For >10,000, Deduct	-31.02	
02 41 13 13-0030 SY >14" To 19" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	96.56	
For Elevated Slab, Add	48.28	
For >500 To 1,000, Deduct	-9.66	
For >1,000 To 2,500, Deduct	-17.38	
For >2,500 To 5,000, Deduct	-25.11	
For >5,000 To 10,000, Deduct	-32.83	
For >10,000, Deduct	-40.56	

**02 Existing Conditions****02 40 Demolition and Structure Moving****02 41 Demolition**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

02 41 13 13-0031	SY	>19" To 24" By Machine, Break-up And Remove Rod Reinforced Concrete Paving .....	117.19
		<i>For Elevated Slab, Add</i>	58.60
		<i>For &gt;500 To 1,000, Deduct</i>	-11.72
		<i>For &gt;1,000 To 2,500, Deduct</i>	-21.09
		<i>For &gt;2,500 To 5,000, Deduct</i>	-30.47
		<i>For &gt;5,000 To 10,000, Deduct</i>	-39.84
		<i>For &gt;10,000, Deduct</i>	-49.22
<b>02 41 13 13-0032</b>		<b>By Hand, Break-up And Remove Bituminous And Concrete Paving</b> <small>(02 41 13 13)</small>	
		Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles. Work includes breaking into manageable size with jackhammer and hand tools, removal and loading onto a truck or dumpster. For individual work areas where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. Excludes saw cutting. See CSI section 02 41 19 13-0001 for saw cutting.	
02 41 13 13-0033	SF	Up To 3" By Hand, Break-up And Remove Bituminous Paving .....	3.63
02 41 13 13-0034	SF	>3" To 6" By Hand, Break-up And Remove Bituminous Paving.....	4.77
02 41 13 13-0035	SF	>6" To 8" By Hand, Break-up And Remove Bituminous Paving.....	6.20
02 41 13 13-0036	SF	Up To 3" By Hand, Break-up And Remove Concrete Paving.....	4.53
02 41 13 13-0037	SF	>3" To 6" By Hand, Break-up And Remove Concrete Paving.....	6.26
02 41 13 13-0038	SF	>6" To 8" By Hand, Break-up And Remove Concrete Paving.....	8.02
02 41 13 13-0039	SF	Up To 3" By Hand, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	6.35
02 41 13 13-0040	SF	>3" To 6" By Hand, Break-up And Remove Welded Wire Reinforced Concrete Paving .....	8.77
02 41 13 13-0041	SF	>6" To 8" By Hand, Break-up And Remove Welded Wire Reinforced Concrete Paving .....	11.23
<b>02 41 13 13-0042</b>		<b>Grind Concrete</b> <small>(02 41 13 13)</small>	
02 41 13 13-0043	EA	Grind Existing Sidewalks Up To 1/2" Depth To Remove Ridges (Tripping Hazard) .....	219.19
		Note: For each location up to 5' wide, feather up to 12" each direction.	
		<i>For &gt;1/2" To 1" Depth Of Grinding, Add</i>	32.88
		<i>For &gt;1" To 1-1/2" Depth Of Grinding, Add</i>	54.80
		<i>For Up To 5, Add</i>	43.84
		<i>For &gt;5 To 10, Add</i>	21.92
		<i>For &gt;25 To 50, Deduct</i>	-21.92
		<i>For &gt;50 To 250, Deduct</i>	-32.88
		<i>For &gt;250, Deduct</i>	-43.84
		<i>For Sidewalks &gt;5', Add</i>	21.92
		<i>For Up To 12" Additional Feathering Per Side, Add</i>	21.92
<b>02 41 13 15</b>		<b>Hydro Demolition</b> <small>(02 41 13)</small>	
<b>02 41 13 15-0001</b>		<b>Hydro Demolition Of Concrete Pavement</b> <small>(02 41 13 15)</small>	
		Note: Includes removal but excludes disposal of concrete.	
02 41 13 15-0002	SF	Up To 2" Depth, Hydro Demolition, Using 40,000 PSI Water Jet.....	7.16
02 41 13 15-0003	SF	>2" To 4" Depth, Hydro Demolition, Using 40,000 PSI Water Jet.....	8.95
02 41 13 15-0004	SF	>4" To 6" Depth, Hydro Demolition, Using 40,000 PSI Water Jet.....	11.97
02 41 13 15-0005	SF	>6" To 8" Depth, Hydro Demolition, Using 40,000 PSI Water Jet.....	23.84
<b>02 41 16</b>		<b>Structure Demolition</b> <small>(02 41)</small>	
<b>02 41 16 13</b>		<b>Building Demolition</b> <small>(02 41 16)</small>	
<b>02 41 16 13-0001</b>		<b>Building Interior Demolition</b> <small>(02 41 16 13)</small>	
		Note: Gutted and placed in truck or dumpsters. Based on overall floor area including space under demolished walls. Includes all soft stripping of materials (doors and frames, non-load bearing walls, carpet, moldings, drywall, tile, ceiling, ductwork, piping, light fixtures, etc.), accessible mechanical, electrical, plumbing, overhead sprinkler, fire protection and similar systems. Excludes lead, asbestos or other contaminants or load bearing walls, mechanical, plumbing or electrical equipment such as furnaces, water heaters, plumbing fixtures, sump pumps, switchgear or panel boards. Excludes hauling, dump fees, recycling charges, and/or salvage value.	
02 41 16 13-0002	GSF	Residential Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck.....	7.27
02 41 16 13-0003	GSF	Up To 2,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck.....	11.00
02 41 16 13-0004	GSF	>2,000 To 10,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck.....	8.99
02 41 16 13-0005	GSF	>10,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck.....	8.00
<b>02 41 16 13-0006</b>		<b>Commercial And Residential Structures Demolition</b> <small>(02 41 16 13)</small>	
		Note: Complete demolition of structures. Includes site and building safety preparation, signage, dust control, scattered debris and other site clean-up, demolition equipment, and repair of any damaged adjacent property. Excludes (if required) utility disconnects and capping, underground or above ground storage tank removal, adjacent property protection, adjacent property cleanup, adjacent property work, site paving (asphalt or concrete), recycling fees, gutting/soft stripping (selective removal of materials for reuse) of building, site security, hazardous material abatement (including lead, asbestos, and PCBs), surveys, clearing and grubbing of site, cranes, traffic control, elevator removal, major mechanical equipment such as boilers, chillers, cooling towers, etc., excavation or backfill, foundations, basement floor, slab-on grade, temporary fencing (installation and removal), hauling, disposal and dump fees for all debris (site and building), earthwork and erosion control. Pricing is by Hundred Cubic Foot (CCF) of complete building volume being demolished. For computing building volume, height is computed at actual floor-to-floor dimensions with attic and basement each computed at half-height, width and length are actual dimensions. Excludes salvage value.	
<b>02 41 16 13-0007</b>		<b>Steel Framed Building Demolition</b> <small>(02 41 16 13-0006)</small>	
		Note: Includes masonry partitions and concrete decks.	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0008 CCF By Pneumatic Tools/Hand, Steel Framed Building Demolition .....	69.03	
For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-5.18	
For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-10.35	
For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-15.53	
For Up To 500, Add	20.71	
For >500 To 1,000, Add	13.81	
For >1,000 To 2,000, Add	6.90	
For Volume Of Area Within 15' To An Adjacent Building, Add	22.78	
For No Interior Partitions, Deduct	-17.26	
02 41 16 13-0009 CCF By Machine, Steel Framed Building Demolition .....	43.49	
For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-3.26	
For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-6.52	
For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-9.79	
For Up To 500, Add	13.05	
For >500 To 1,000, Add	8.70	
For >1,000 To 2,000, Add	4.35	
For Work >3 Stories To 6 Stories (Exclude Volume Below), Add	6.52	
For Work >6 Stories To 10 Stories (Exclude Volume Below), Add	10.87	
For Work >10 Stories To 15 Stories (Exclude Volume Below), Add	15.22	
For Volume Of Area Within 15' To An Adjacent Building, Add	14.35	
For No Interior Partitions, Deduct	-10.87	
<b>02 41 16 13-0010 Reinforced Concrete Building Demolition (02 41 16 13-0006)</b>		
02 41 16 13-0011 CCF By Pneumatic Tools/Hand, Reinforced Concrete Building Demolition .....	86.63	
For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-6.50	
For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-12.99	
For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-19.49	
For Up To 500, Add	25.99	
For >500 To 1,000, Add	17.33	
For >1,000 To 2,000, Add	8.66	
For Volume Of Area Within 15' To An Adjacent Building, Add	28.59	
For No Interior Partitions, Deduct	-21.66	
02 41 16 13-0012 CCF By Machine, Reinforced Concrete Building Demolition .....	57.43	
For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-4.31	
For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-8.61	
For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-12.92	
For Up To 500, Add	17.23	
For >500 To 1,000, Add	11.49	
For >1,000 To 2,000, Add	5.74	
For Work >3 Stories To 6 Stories (Exclude Volume Below), Add	8.61	
For Work >6 Stories To 10 Stories (Exclude Volume Below), Add	14.36	
For Work >10 Stories To 15 Stories (Exclude Volume Below), Add	20.10	
For Volume Of Area Within 15' To An Adjacent Building, Add	18.95	
For No Interior Partitions, Deduct	-14.36	
<b>02 41 16 13-0013 Masonry Construction Building Demolition (02 41 16 13-0006)</b>		
02 41 16 13-0014 CCF By Pneumatic Tools/Hand, Masonry Construction Building Demolition .....	60.88	
For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-4.57	
For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-9.13	
For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-13.70	
For Up To 500, Add	18.26	
For >500 To 1,000, Add	12.18	
For >1,000 To 2,000, Add	6.09	
For Volume Of Area Within 15' To An Adjacent Building, Add	20.09	
For No Interior Partitions, Deduct	-15.22	
02 41 16 13-0015 CCF By Machine, Masonry Construction Building Demolition .....	39.03	
For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-2.93	
For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-5.85	
For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-8.78	
For Up To 500, Add	11.71	
For >500 To 1,000, Add	7.81	
For >1,000 To 2,000, Add	3.90	
For Work >3 Stories To 6 Stories (Exclude Volume Below), Add	5.85	
For Work >6 Stories To 10 Stories (Exclude Volume Below), Add	9.76	
For Work >10 Stories To 15 Stories (Exclude Volume Below), Add	13.66	
For Volume Of Area Within 15' To An Adjacent Building, Add	12.88	
For No Interior Partitions, Deduct	-9.76	
<b>02 41 16 13-0016 Wood Frame Construction Building Demolition (02 41 16 13-0006)</b>		
02 41 16 13-0017 CCF By Pneumatic Tools/Hand, Wood Frame Construction Building Demolition .....	52.91	
For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-3.97	
For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-7.94	
For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-11.90	
For Up To 500, Add	15.87	
For >500 To 1,000, Add	10.58	
For >1,000 To 2,000, Add	5.29	
For Volume Of Area Within 15' To An Adjacent Building, Add	17.46	
For No Interior Partitions, Deduct	-13.23	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0018	CCF		By Machine, Wood Frame Construction Building Demolition.....	33.40	
			<i>For Floor-To-Floor (Or Floor-To-Structure) Heights &gt;12' To 15', Deduct</i>	-2.51	
			<i>For Floor-To-Floor (Or Floor-To-Structure) Heights &gt;15' To 18', Deduct</i>	-5.01	
			<i>For Floor-To-Floor (Or Floor-To-Structure) Heights &gt;18' To 21', Deduct</i>	-7.52	
			<i>For Up To 500, Add</i>	10.02	
			<i>For &gt;500 To 1,000, Add</i>	6.68	
			<i>For &gt;1,000 To 2,000, Add</i>	3.34	
			<i>For Work &gt;3 Stories To 6 Stories (Exclude Volume Below), Add</i>	5.01	
			<i>For Volume Of Area Within 15' To An Adjacent Building, Add</i>	11.02	
			<i>For No Interior Partitions, Deduct</i>	-8.35	
02 41 16 13-0019			<b>Sorting Of Material Debris For Recycling Prior To Hauling Off</b> (02 41 16 13-0006)		
			Note: Per building volume.		
02 41 16 13-0020	CCF		Sorting Of Material Debris For Recycling Prior To Hauling Off .....	8.71	
			<i>For Up To 500, Add</i>	2.61	
			<i>For &gt;500 To 1,000, Add</i>	1.74	
			<i>For &gt;1,000 To 2,000, Add</i>	0.87	
02 41 16 13-0021			<b>Foundation Demolition</b> (02 41 16 13)		
			Note: Excludes earthwork. See CSI section 31 00 00 00-0000 for earthwork.		
02 41 16 13-0022			<b>Concrete Foundation Demolition</b> (02 41 16 13-0021)		
02 41 16 13-0023	CF		Non Reinforced Concrete Foundation Demolition.....	13.74	
			<i>For &gt;135 To 405, Deduct</i>	-1.20	
			<i>For &gt;405 To 810, Deduct</i>	-2.40	
			<i>For &gt;810 To 2025, Deduct</i>	-3.44	
			<i>For &gt;2025, Deduct</i>	-5.50	
02 41 16 13-0024	CF		Reinforced Concrete Foundation Demolition .....	16.48	
			<i>For &gt;135 To 405, Deduct</i>	-1.44	
			<i>For &gt;405 To 810, Deduct</i>	-2.88	
			<i>For &gt;810 To 2025, Deduct</i>	-4.12	
			<i>For &gt;2025, Deduct</i>	-6.59	
02 41 16 13-0025			<b>Concrete Foundation Wall Demolition</b> (02 41 16 13-0021)		
02 41 16 13-0026	SF		4" Thick Non Reinforced Concrete Foundation Wall Demolition.....	5.89	
			<i>For &gt;500 To 2,000, Deduct</i>	-0.44	
			<i>For &gt;2,000 To 6,000, Deduct</i>	-1.18	
			<i>For &gt;6,000 To 8,000, Deduct</i>	-2.06	
			<i>For &gt;8,000, Deduct</i>	-3.24	
02 41 16 13-0027	SF		6" Thick Non Reinforced Concrete Foundation Wall Demolition.....	7.85	
			<i>For &gt;500 To 2,000, Deduct</i>	-0.59	
			<i>For &gt;2,000 To 6,000, Deduct</i>	-1.57	
			<i>For &gt;6,000 To 8,000, Deduct</i>	-2.75	
			<i>For &gt;8,000, Deduct</i>	-4.32	
02 41 16 13-0028	SF		8" Thick Non Reinforced Concrete Foundation Wall Demolition.....	9.81	
			<i>For &gt;500 To 2,000, Deduct</i>	-0.74	
			<i>For &gt;2,000 To 6,000, Deduct</i>	-1.96	
			<i>For &gt;6,000 To 8,000, Deduct</i>	-3.43	
			<i>For &gt;8,000, Deduct</i>	-5.40	
02 41 16 13-0029	SF		10" Thick Non Reinforced Concrete Foundation Wall Demolition.....	11.77	
			<i>For &gt;500 To 2,000, Deduct</i>	-0.88	
			<i>For &gt;2,000 To 6,000, Deduct</i>	-2.35	
			<i>For &gt;6,000 To 8,000, Deduct</i>	-4.12	
			<i>For &gt;8,000, Deduct</i>	-6.47	
02 41 16 13-0030	SF		12" Thick Non Reinforced Concrete Foundation Wall Demolition.....	13.74	
			<i>For &gt;500 To 2,000, Deduct</i>	-1.03	
			<i>For &gt;2,000 To 6,000, Deduct</i>	-2.75	
			<i>For &gt;6,000 To 8,000, Deduct</i>	-4.81	
			<i>For &gt;8,000, Deduct</i>	-7.56	
02 41 16 13-0031	SF		16" Thick Non Reinforced Concrete Foundation Wall Demolition.....	15.71	
			<i>For &gt;500 To 2,000, Deduct</i>	-1.18	
			<i>For &gt;2,000 To 6,000, Deduct</i>	-3.14	
			<i>For &gt;6,000 To 8,000, Deduct</i>	-5.50	
			<i>For &gt;8,000, Deduct</i>	-8.64	
02 41 16 13-0032	SF		4" Thick Reinforced Concrete Foundation Wall Demolition.....	7.06	
			<i>For &gt;500 To 2,000, Deduct</i>	-0.53	
			<i>For &gt;2,000 To 6,000, Deduct</i>	-1.41	
			<i>For &gt;6,000 To 8,000, Deduct</i>	-2.47	
			<i>For &gt;8,000, Deduct</i>	-3.88	
02 41 16 13-0033	SF		6" Thick Reinforced Concrete Foundation Wall Demolition.....	9.42	
			<i>For &gt;500 To 2,000, Deduct</i>	-0.71	
			<i>For &gt;2,000 To 6,000, Deduct</i>	-1.88	
			<i>For &gt;6,000 To 8,000, Deduct</i>	-3.30	
			<i>For &gt;8,000, Deduct</i>	-5.18	
02 41 16 13-0034	SF		8" Thick Reinforced Concrete Foundation Wall Demolition.....	11.77	
			<i>For &gt;500 To 2,000, Deduct</i>	-0.88	
			<i>For &gt;2,000 To 6,000, Deduct</i>	-2.35	
			<i>For &gt;6,000 To 8,000, Deduct</i>	-4.12	
			<i>For &gt;8,000, Deduct</i>	-6.47	
02 41 16 13-0035	SF		10" Thick Reinforced Concrete Foundation Wall Demolition.....	13.93	
			<i>For &gt;500 To 2,000, Deduct</i>	-1.04	
			<i>For &gt;2,000 To 6,000, Deduct</i>	-2.79	
			<i>For &gt;6,000 To 8,000, Deduct</i>	-4.88	
			<i>For &gt;8,000, Deduct</i>	-7.66	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 41 16 13-0036	SF 12" Thick Reinforced Concrete Foundation Wall Demolition .....	16.48	
	<i>For &gt;500 To 2,000, Deduct</i>	-1.24	
	<i>For &gt;2,000 To 6,000, Deduct</i>	-3.30	
	<i>For &gt;6,000 To 8,000, Deduct</i>	-5.77	
	<i>For &gt;8,000, Deduct</i>	-9.06	
02 41 16 13-0037	SF 16" Thick Reinforced Concrete Foundation Wall Demolition .....	18.84	
	<i>For &gt;500 To 2,000, Deduct</i>	-1.41	
	<i>For &gt;2,000 To 6,000, Deduct</i>	-3.77	
	<i>For &gt;6,000 To 8,000, Deduct</i>	-6.59	
	<i>For &gt;8,000, Deduct</i>	-10.36	
02 41 16 13-0038	<b>Concrete Block Foundation Wall Demolition</b> <small>(02 41 16 13-0021)</small> .....	4.32	
02 41 16 13-0039	SF 4" Thick Non Reinforced Concrete Block Foundation Wall Demolition .....	4.32	
	<i>For &gt;500 To 2,000, Deduct</i>	-0.32	
	<i>For &gt;2,000 To 6,000, Deduct</i>	-0.86	
	<i>For &gt;6,000 To 8,000, Deduct</i>	-1.51	
	<i>For &gt;8,000, Deduct</i>	-2.38	
02 41 16 13-0040	SF 6" Thick Non Reinforced Concrete Block Foundation Wall Demolition .....	4.61	
	<i>For &gt;500 To 2,000, Deduct</i>	-0.35	
	<i>For &gt;2,000 To 6,000, Deduct</i>	-0.92	
	<i>For &gt;6,000 To 8,000, Deduct</i>	-1.61	
	<i>For &gt;8,000, Deduct</i>	-2.54	
02 41 16 13-0041	SF 8" Thick Non Reinforced Concrete Block Foundation Wall Demolition .....	5.21	
	<i>For &gt;500 To 2,000, Deduct</i>	-0.39	
	<i>For &gt;2,000 To 6,000, Deduct</i>	-1.04	
	<i>For &gt;6,000 To 8,000, Deduct</i>	-1.82	
	<i>For &gt;8,000, Deduct</i>	-2.87	
02 41 16 13-0042	SF 10" Thick Non Reinforced Concrete Block Foundation Wall Demolition .....	5.98	
	<i>For &gt;500 To 2,000, Deduct</i>	-0.45	
	<i>For &gt;2,000 To 6,000, Deduct</i>	-1.20	
	<i>For &gt;6,000 To 8,000, Deduct</i>	-2.09	
	<i>For &gt;8,000, Deduct</i>	-3.29	
02 41 16 13-0043	SF 12" Thick Non Reinforced Concrete Block Foundation Wall Demolition .....	6.68	
	<i>For &gt;500 To 2,000, Deduct</i>	-0.50	
	<i>For &gt;2,000 To 6,000, Deduct</i>	-1.34	
	<i>For &gt;6,000 To 8,000, Deduct</i>	-2.34	
	<i>For &gt;8,000, Deduct</i>	-3.67	
02 41 16 13-0044	SF 16" Thick Non Reinforced Concrete Block Foundation Wall Demolition .....	8.34	
	<i>For &gt;500 To 2,000, Deduct</i>	-0.63	
	<i>For &gt;2,000 To 6,000, Deduct</i>	-1.67	
	<i>For &gt;6,000 To 8,000, Deduct</i>	-2.92	
	<i>For &gt;8,000, Deduct</i>	-4.59	
02 41 16 13-0045	SF 4" Thick Reinforced Concrete Block Foundation Wall Demolition .....	5.18	
	<i>For &gt;500 To 2,000, Deduct</i>	-0.39	
	<i>For &gt;2,000 To 6,000, Deduct</i>	-1.04	
	<i>For &gt;6,000 To 8,000, Deduct</i>	-1.81	
	<i>For &gt;8,000, Deduct</i>	-2.85	
02 41 16 13-0046	SF 6" Thick Reinforced Concrete Block Foundation Wall Demolition .....	5.53	
	<i>For &gt;500 To 2,000, Deduct</i>	-0.41	
	<i>For &gt;2,000 To 6,000, Deduct</i>	-1.11	
	<i>For &gt;6,000 To 8,000, Deduct</i>	-1.94	
	<i>For &gt;8,000, Deduct</i>	-3.04	
02 41 16 13-0047	SF 8" Thick Reinforced Concrete Block Foundation Wall Demolition .....	6.24	
	<i>For &gt;500 To 2,000, Deduct</i>	-0.47	
	<i>For &gt;2,000 To 6,000, Deduct</i>	-1.25	
	<i>For &gt;6,000 To 8,000, Deduct</i>	-2.18	
	<i>For &gt;8,000, Deduct</i>	-3.43	
02 41 16 13-0048	SF 10" Thick Reinforced Concrete Block Foundation Wall Demolition .....	7.18	
	<i>For &gt;500 To 2,000, Deduct</i>	-0.54	
	<i>For &gt;2,000 To 6,000, Deduct</i>	-1.44	
	<i>For &gt;6,000 To 8,000, Deduct</i>	-2.51	
	<i>For &gt;8,000, Deduct</i>	-3.95	
02 41 16 13-0049	SF 12" Thick Reinforced Concrete Block Foundation Wall Demolition .....	8.01	
	<i>For &gt;500 To 2,000, Deduct</i>	-0.60	
	<i>For &gt;2,000 To 6,000, Deduct</i>	-1.60	
	<i>For &gt;6,000 To 8,000, Deduct</i>	-2.80	
	<i>For &gt;8,000, Deduct</i>	-4.41	
02 41 16 13-0050	SF 16" Thick Reinforced Concrete Block Foundation Wall Demolition .....	10.01	
	<i>For &gt;500 To 2,000, Deduct</i>	-0.75	
	<i>For &gt;2,000 To 6,000, Deduct</i>	-2.00	
	<i>For &gt;6,000 To 8,000, Deduct</i>	-3.50	
	<i>For &gt;8,000, Deduct</i>	-5.51	
02 41 16 13-0051	<b>Brick Foundation Wall Demolition</b> <small>(02 41 16 13-0021)</small> .....	4.32	
02 41 16 13-0052	SF 4" Thick Brick Foundation Wall Demolition .....	4.32	
	<i>For &gt;500 To 2,000, Deduct</i>	-0.32	
	<i>For &gt;2,000 To 6,000, Deduct</i>	-0.86	
	<i>For &gt;6,000 To 8,000, Deduct</i>	-1.51	
	<i>For &gt;8,000, Deduct</i>	-2.38	
02 41 16 13-0053	SF 6" Thick Brick Foundation Wall Demolition .....	4.61	
	<i>For &gt;500 To 2,000, Deduct</i>	-0.35	
	<i>For &gt;2,000 To 6,000, Deduct</i>	-0.92	
	<i>For &gt;6,000 To 8,000, Deduct</i>	-1.61	
	<i>For &gt;8,000, Deduct</i>	-2.54	

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

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

02 41 16 13-0054	SF	8" Thick Brick Foundation Wall Demolition .....	5.21
		<i>For &gt;500 To 2,000, Deduct</i>	-0.39
		<i>For &gt;2,000 To 6,000, Deduct</i>	-1.04
		<i>For &gt;6,000 To 8,000, Deduct</i>	-1.82
		<i>For &gt;8,000, Deduct</i>	-2.87
02 41 16 13-0055	SF	10" Thick Brick Foundation Wall Demolition .....	5.98
		<i>For &gt;500 To 2,000, Deduct</i>	-0.45
		<i>For &gt;2,000 To 6,000, Deduct</i>	-1.20
		<i>For &gt;6,000 To 8,000, Deduct</i>	-2.09
		<i>For &gt;8,000, Deduct</i>	-3.29
02 41 16 13-0056	SF	12" Thick Brick Foundation Wall Demolition .....	6.68
		<i>For &gt;500 To 2,000, Deduct</i>	-0.50
		<i>For &gt;2,000 To 6,000, Deduct</i>	-1.34
		<i>For &gt;6,000 To 8,000, Deduct</i>	-2.34
		<i>For &gt;8,000, Deduct</i>	-3.67
02 41 16 13-0057	SF	16" Thick Brick Foundation Wall Demolition .....	8.34
		<i>For &gt;500 To 2,000, Deduct</i>	-0.63
		<i>For &gt;2,000 To 6,000, Deduct</i>	-1.67
		<i>For &gt;6,000 To 8,000, Deduct</i>	-2.92
		<i>For &gt;8,000, Deduct</i>	-4.59
<b>02 41 16 13-0058</b>		<b>Stone Foundation Demolition (02 41 16 13-0021)</b>	
02 41 16 13-0059	CF	Stone Footing Or Foundation Wall Demolition .....	13.74
		<i>For &gt;135 To 405, Deduct</i>	-1.20
		<i>For &gt;405 To 810, Deduct</i>	-2.40
		<i>For &gt;810 To 2025, Deduct</i>	-3.44
		<i>For &gt;2025, Deduct</i>	-5.50
<b>02 41 16 13-0060</b>		<b>Other Foundation Demolition (02 41 16 13-0021)</b>	
02 41 16 13-0061	CF	Concrete Footing For Fence, Gate Or Playground Equipment Post, Etc. Demolition .....	14.46
		Note: Includes excavation.	
		<i>For &gt;135 To 405, Deduct</i>	-1.27
		<i>For &gt;405 To 810, Deduct</i>	-2.53
		<i>For &gt;810 To 2025, Deduct</i>	-3.62
		<i>For &gt;2025, Deduct</i>	-5.78
<b>02 41 19</b>		<b>Selective Demolition (02 41)</b>	
<b>02 41 19 13</b>		<b>Selective Building Demolition (02 41 19)</b>	
<b>02 41 19 13-0001</b>		<b>Saw Cutting (02 41 19 13)</b>	
		Note: Includes blade wear, water, taping off area, layout, clean-up and mist spray with wet vacuuming for dust control where necessary. For projects where the total saw cutting charge is less than the minimum charge, use task "Saw Cut Minimum Charge" exclusively. Task "Saw Cut Minimum Charge" should not be used in conjunction with any other tasks in this section.	
02 41 19 13-0002	LF	Bituminous Paving Up To 4" Depth, Saw Cut .....	2.10
		<i>For Each Additional Pass (Depth To 3"), Add</i>	0.82
		<i>For &gt;250, Deduct</i>	-0.20
02 41 19 13-0003	LF	Brick Masonry Up To 4" Depth, Saw Cut .....	7.97
		<i>For Each Additional Pass (Depth To 3"), Add</i>	3.16
		<i>For &gt;250, Deduct</i>	-0.79
02 41 19 13-0004	LF	Concrete Block Up To 4" Depth, Saw Cut .....	7.20
		<i>For Each Additional Pass (Depth To 3"), Add</i>	2.85
		<i>For &gt;250, Deduct</i>	-0.71
02 41 19 13-0005	LF	Non Reinforced Concrete Slab Or Paving Up To 4" Depth, Saw Cut .....	2.40
		<i>For Each Additional Pass (Depth To 3"), Add</i>	0.93
		<i>For &gt;250, Deduct</i>	-0.23
02 41 19 13-0006	LF	Welded Wire Reinforced Concrete Slab Up To 4" Depth, Saw Cut .....	3.17
		<i>For Each Additional Pass (Depth To 3"), Add</i>	1.23
		<i>For &gt;250, Deduct</i>	-0.30
02 41 19 13-0007	LF	Rod Reinforced Concrete Slab Up To 4" Depth, Saw Cut .....	5.28
		<i>For Each Additional Pass (Depth To 3"), Add</i>	2.07
		<i>For &gt;250, Deduct</i>	-0.51
02 41 19 13-0008	LF	Plain Concrete Walls Up To 4" Depth, Saw Cut .....	10.20
		<i>For Each Additional Pass (Depth To 3"), Add</i>	4.05
		<i>For &gt;250, Deduct</i>	-1.01
02 41 19 13-0009	LF	Saw Cut Rod Reinforced Concrete Walls Up To 4" Depth .....	13.70
		<i>For Each Additional Pass (Depth To 3"), Add</i>	5.44
		<i>For &gt;250, Deduct</i>	-1.36
02 41 19 13-0010	LF	Concrete And Asphalt Up To 4" Depth, Saw Cut In Streets .....	2.72
		<i>For Each Additional Pass (Depth To 3"), Add</i>	0.99
		<i>For &gt;250, Deduct</i>	-0.24
02 41 19 13-0011	LF	Igneous Stone Pavements Up To 4" Depth, Saw Cut .....	7.22
		<i>For Each Additional Pass (Depth To 3"), Add</i>	2.86
		<i>For &gt;250, Deduct</i>	-0.71
02 41 19 13-0012	LF	Sedimentary Stone Pavements Up To 4" Depth, Saw Cut .....	7.22
		<i>For Each Additional Pass (Depth To 3"), Add</i>	2.86
		<i>For &gt;250, Deduct</i>	-0.71
02 41 19 13-0013	LF	Metamorphic Stone Pavements Up To 4" Depth, Saw Cut .....	7.22
		<i>For Each Additional Pass (Depth To 3"), Add</i>	2.86
		<i>For &gt;250, Deduct</i>	-0.71
02 41 19 13-0014	LF	Terrazzo Stone Pavements Up To 4" Depth, Saw Cut .....	7.22
		<i>For Each Additional Pass (Depth To 3"), Add</i>	2.86
		<i>For &gt;250, Deduct</i>	-0.71
02 41 19 13-0015	EA	Saw Cut Minimum Charge .....	967.72
		Note: For projects where the total saw cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>02 41 19 13-0016</b>	<b>Torch Cutting</b> <small>(02 41 19 13)</small>				
	Note: Includes grinding edge				
02 41 19 13-0017	LF	Up To 1/2", Torch Cut Steel Plate	.....	2.80	
02 41 19 13-0018	LF	>1/2" To 1" Thick, Torch Cut Steel Plate	.....	5.59	
02 41 19 13-0019	LF	>1" To 1-1/2" Thick, Torch Cut Steel Plate	.....	8.40	
02 41 19 13-0020	LF	>1-1/2" To 2" Thick, Torch Cut Steel Plate	.....	11.20	
02 41 19 13-0021	LF	>2" To 2-1/2" Thick, Torch Cut Steel Plate	.....	13.99	
02 41 19 13-0022	LF	>2-1/2" To 3" Thick, Torch Cut Steel Plate	.....	16.79	
02 41 19 13-0023	EA	Torch Cutting Minimum Charge	.....	891.45	
		Note: For projects where the total torch cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.			

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

<b>02 41 19 13-0025</b>	<b>Concrete Core Drilling</b> <small>(02 41 19 13-0024)</small>				
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<b>02 41 19 13-0026</b>	<b>Up To 4" Thick Concrete Core Drilling</b> <small>(02 41 19 13-0025)</small>				
02 41 19 13-0027	EA	Drill 1" Diameter Core In Up To 4" Concrete	.....	38.90	
		<i>For Horizontal Cores, Add</i>		7.74	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>		15.47	
02 41 19 13-0028	EA	Drill 1-1/2" Diameter Core In Up To 4" Concrete	.....	43.18	
		<i>For Horizontal Cores, Add</i>		8.59	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>		17.18	
02 41 19 13-0029	EA	Drill 2" Diameter Core In Up To 4" Concrete	.....	47.96	
		<i>For Horizontal Cores, Add</i>		9.55	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>		19.10	
02 41 19 13-0030	EA	Drill 3" Diameter Core In Up To 4" Concrete	.....	68.50	
		<i>For Horizontal Cores, Add</i>		13.64	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>		27.28	
02 41 19 13-0031	EA	Drill 4" Diameter Core In Up To 4" Concrete	.....	91.79	
		<i>For Horizontal Cores, Add</i>		18.28	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>		36.56	
02 41 19 13-0032	EA	Drill 6" Diameter Core In Up To 4" Concrete	.....	102.81	
		<i>For Horizontal Cores, Add</i>		20.46	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>		40.93	
02 41 19 13-0033	EA	Drill 8" Diameter Core In Up To 4" Concrete	.....	164.38	
		<i>For Horizontal Cores, Add</i>		32.74	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>		65.48	
02 41 19 13-0034	EA	Drill 10" Diameter Core In Up To 4" Concrete	.....	205.56	
		<i>For Horizontal Cores, Add</i>		40.93	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>		81.86	
02 41 19 13-0035	EA	Drill 12" Diameter Core In Up To 4" Concrete	.....	239.86	
		<i>For Horizontal Cores, Add</i>		47.75	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>		95.50	
02 41 19 13-0036	EA	Drill 14" Diameter Core In Up To 4" Concrete	.....	274.13	
		<i>For Horizontal Cores, Add</i>		54.56	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>		109.13	
02 41 19 13-0037	EA	Drill 18" Diameter Core In Up To 4" Concrete	.....	308.60	
		<i>For Horizontal Cores, Add</i>		61.38	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>		122.77	

<b>02 41 19 13-0038</b>	<b>&gt;4" To 6" Thick Concrete Core Drilling</b> <small>(02 41 19 13-0025)</small>				
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02 41 19 13-0039	EA	Drill 1" Diameter Core In >4" To 6" Concrete	.....	55.57	
		<i>For Horizontal Cores, Add</i>		11.05	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>		22.10	
02 41 19 13-0040	EA	Drill 1-1/2" Diameter Core In >4" To 6" Concrete	.....	61.71	
		<i>For Horizontal Cores, Add</i>		12.28	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>		24.55	
02 41 19 13-0041	EA	Drill 2" Diameter Core In >4" To 6" Concrete	.....	68.53	
		<i>For Horizontal Cores, Add</i>		13.64	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>		27.28	
02 41 19 13-0042	EA	Drill 3" Diameter Core In >4" To 6" Concrete	.....	82.30	
		<i>For Horizontal Cores, Add</i>		16.37	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>		32.74	
02 41 19 13-0043	EA	Drill 4" Diameter Core In >4" To 6" Concrete	.....	102.92	
		<i>For Horizontal Cores, Add</i>		20.46	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>		40.93	
02 41 19 13-0044	EA	Drill 6" Diameter Core In >4" To 6" Concrete	.....	137.17	
		<i>For Horizontal Cores, Add</i>		27.28	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>		54.57	
02 41 19 13-0045	EA	Drill 8" Diameter Core In >4" To 6" Concrete	.....	205.66	
		<i>For Horizontal Cores, Add</i>		40.93	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>		81.86	
02 41 19 13-0046	EA	Drill 10" Diameter Core In >4" To 6" Concrete	.....	240.14	
		<i>For Horizontal Cores, Add</i>		47.75	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>		95.50	
02 41 19 13-0047	EA	Drill 12" Diameter Core In >4" To 6" Concrete	.....	274.47	
		<i>For Horizontal Cores, Add</i>		54.56	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>		109.13	
02 41 19 13-0048	EA	Drill 14" Diameter Core In >4" To 6" Concrete	.....	308.92	
		<i>For Horizontal Cores, Add</i>		61.38	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>		122.77	

**02 Existing Conditions****02 40 Demolition and Structure Moving****02 41 Demolition**
 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0049	EA		Drill 18" Diameter Core In >4" To 6" Concrete.....	343.65	
			<i>For Horizontal Cores, Add</i>	68.21	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	136.42	
<b>02 41 19 13-0050</b>			<b>&gt;6" To 8" Thick Concrete Core Drilling (02 41 19 13-0025)</b>		
02 41 19 13-0051	EA		Drill 1" Diameter Core In >6" To 8" Concrete.....	61.22	
			<i>For Horizontal Cores, Add</i>	12.15	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	24.31	
02 41 19 13-0052	EA		Drill 1-1/2" Diameter Core In >6" To 8" Concrete.....	67.98	
			<i>For Horizontal Cores, Add</i>	13.51	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	27.01	
02 41 19 13-0053	EA		Drill 2" Diameter Core In >6" To 8" Concrete.....	75.48	
			<i>For Horizontal Cores, Add</i>	15.01	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	30.01	
02 41 19 13-0054	EA		Drill 3" Diameter Core In >6" To 8" Concrete.....	89.30	
			<i>For Horizontal Cores, Add</i>	17.74	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	35.47	
02 41 19 13-0055	EA		Drill 4" Diameter Core In >6" To 8" Concrete.....	116.77	
			<i>For Horizontal Cores, Add</i>	23.19	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	46.38	
02 41 19 13-0056	EA		Drill 6" Diameter Core In >6" To 8" Concrete.....	164.71	
			<i>For Horizontal Cores, Add</i>	32.74	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	65.48	
02 41 19 13-0057	EA		Drill 8" Diameter Core In >6" To 8" Concrete.....	274.19	
			<i>For Horizontal Cores, Add</i>	54.56	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	109.13	
02 41 19 13-0058	EA		Drill 10" Diameter Core In >6" To 8" Concrete.....	308.75	
			<i>For Horizontal Cores, Add</i>	61.38	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	122.77	
02 41 19 13-0059	EA		Drill 12" Diameter Core In >6" To 8" Concrete.....	343.24	
			<i>For Horizontal Cores, Add</i>	68.21	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	136.42	
02 41 19 13-0060	EA		Drill 14" Diameter Core In >6" To 8" Concrete.....	377.78	
			<i>For Horizontal Cores, Add</i>	75.02	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	150.03	
02 41 19 13-0061	EA		Drill 18" Diameter Core In >6" To 8" Concrete.....	412.78	
			<i>For Horizontal Cores, Add</i>	81.85	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	163.71	
<b>02 41 19 13-0062</b>			<b>&gt;8" To 10" Thick Concrete Core Drilling (02 41 19 13-0025)</b>		
02 41 19 13-0063	EA		Drill 1" Diameter Core In >8" To 10" Concrete.....	72.40	
			<i>For Horizontal Cores, Add</i>	14.37	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	28.73	
02 41 19 13-0064	EA		Drill 1-1/2" Diameter Core In >8" To 10" Concrete.....	80.37	
			<i>For Horizontal Cores, Add</i>	15.96	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	31.92	
02 41 19 13-0065	EA		Drill 2" Diameter Core In >8" To 10" Concrete.....	89.24	
			<i>For Horizontal Cores, Add</i>	17.73	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	35.47	
02 41 19 13-0066	EA		Drill 3" Diameter Core In >8" To 10" Concrete.....	103.10	
			<i>For Horizontal Cores, Add</i>	20.46	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	40.93	
02 41 19 13-0067	EA		Drill 4" Diameter Core In >8" To 10" Concrete.....	116.98	
			<i>For Horizontal Cores, Add</i>	23.19	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	46.38	
02 41 19 13-0068	EA		Drill 6" Diameter Core In >8" To 10" Concrete.....	164.97	
			<i>For Horizontal Cores, Add</i>	32.74	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	65.48	
02 41 19 13-0069	EA		Drill 8" Diameter Core In >8" To 10" Concrete.....	274.53	
			<i>For Horizontal Cores, Add</i>	54.56	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	109.13	
02 41 19 13-0070	EA		Drill 10" Diameter Core In >8" To 10" Concrete.....	309.21	
			<i>For Horizontal Cores, Add</i>	61.38	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	122.77	
02 41 19 13-0071	EA		Drill 12" Diameter Core In >8" To 10" Concrete.....	343.72	
			<i>For Horizontal Cores, Add</i>	68.20	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	136.39	
02 41 19 13-0072	EA		Drill 14" Diameter Core In >8" To 10" Concrete.....	378.47	
			<i>For Horizontal Cores, Add</i>	75.02	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	150.03	
02 41 19 13-0073	EA		Drill 18" Diameter Core In >8" To 10" Concrete.....	413.59	
			<i>For Horizontal Cores, Add</i>	81.83	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	163.67	
<b>02 41 19 13-0074</b>			<b>&gt;10" To 12" Thick Concrete Core Drilling (02 41 19 13-0025)</b>		
02 41 19 13-0075	EA		Drill 1" Diameter Core In >10" To 12" Concrete.....	78.04	
			<i>For Horizontal Cores, Add</i>	15.47	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	30.94	
02 41 19 13-0076	EA		Drill 1-1/2" Diameter Core In >10" To 12" Concrete.....	86.64	
			<i>For Horizontal Cores, Add</i>	17.19	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	34.38	
02 41 19 13-0077	EA		Drill 2" Diameter Core In >10" To 12" Concrete.....	96.19	
			<i>For Horizontal Cores, Add</i>	19.10	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	38.20	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

02 41 19 13-0078	EA		Drill 3" Diameter Core In >10" To 12" Concrete .....	103.27	
			<i>For Horizontal Cores, Add</i>	20.46	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	40.93	
02 41 19 13-0079	EA		Drill 4" Diameter Core In >10" To 12" Concrete .....	137.65	
			<i>For Horizontal Cores, Add</i>	27.28	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	54.57	
02 41 19 13-0080	EA		Drill 6" Diameter Core In >10" To 12" Concrete .....	178.87	
			<i>For Horizontal Cores, Add</i>	35.47	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	70.94	
02 41 19 13-0081	EA		Drill 8" Diameter Core In >10" To 12" Concrete .....	288.55	
			<i>For Horizontal Cores, Add</i>	57.30	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	114.60	
02 41 19 13-0082	EA		Drill 10" Diameter Core In >10" To 12" Concrete .....	309.66	
			<i>For Horizontal Cores, Add</i>	61.38	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	122.77	
02 41 19 13-0083	EA		Drill 12" Diameter Core In >10" To 12" Concrete .....	358.01	
			<i>For Horizontal Cores, Add</i>	70.94	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	141.89	

**02 41 19 13-0084 >12" Thick Concrete Core Drilling (02 41 19 13-0025)**

02 41 19 13-0085	IN		Drill 1" Diameter Core In >12" Concrete .....	9.51	
			<i>For Horizontal Cores, Add</i>	1.89	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	3.78	
02 41 19 13-0086	IN		Drill 1-1/2" Diameter Core In >12" Concrete .....	10.57	
			<i>For Horizontal Cores, Add</i>	2.10	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	4.20	
02 41 19 13-0087	IN		Drill 2" Diameter Core In >12" Concrete .....	11.74	
			<i>For Horizontal Cores, Add</i>	2.34	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	4.67	
02 41 19 13-0088	IN		Drill 3" Diameter Core In >12" Concrete .....	12.86	
			<i>For Horizontal Cores, Add</i>	2.56	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	5.11	
02 41 19 13-0089	IN		Drill 4" Diameter Core In >12" Concrete .....	17.14	
			<i>For Horizontal Cores, Add</i>	3.41	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	6.82	
02 41 19 13-0090	IN		Drill 6" Diameter Core In >12" Concrete .....	22.31	
			<i>For Horizontal Cores, Add</i>	4.44	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	8.87	
02 41 19 13-0091	IN		Drill 8" Diameter Core In >12" Concrete .....	36.01	
			<i>For Horizontal Cores, Add</i>	7.17	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	14.34	
02 41 19 13-0092	IN		Drill 10" Diameter Core In >12" Concrete .....	38.76	
			<i>For Horizontal Cores, Add</i>	7.71	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	15.41	
02 41 19 13-0093	IN		Drill 12" Diameter Core In >12" Concrete .....	44.64	
			<i>For Horizontal Cores, Add</i>	8.87	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	17.75	

**02 41 19 13-0094 Brick/Concrete Block Core Drilling (02 41 19 13-0024)**
**02 41 19 13-0095 Up To 4" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0094)**

02 41 19 13-0096	EA		Drill 1" Diameter Core In Up To 4" Brick/Concrete Block .....	31.16	
			<i>For Horizontal Cores, Add</i>	6.19	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	12.38	
02 41 19 13-0097	EA		Drill 1-1/2" Diameter Core In Up To 4" Brick/Concrete Block .....	34.59	
			<i>For Horizontal Cores, Add</i>	6.87	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	13.75	
02 41 19 13-0098	EA		Drill 2" Diameter Core In Up To 4" Brick/Concrete Block .....	38.41	
			<i>For Horizontal Cores, Add</i>	7.64	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	15.28	
02 41 19 13-0099	EA		Drill 3" Diameter Core In Up To 4" Brick/Concrete Block .....	54.86	
			<i>For Horizontal Cores, Add</i>	10.91	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	21.83	
02 41 19 13-0100	EA		Drill 4" Diameter Core In Up To 4" Brick/Concrete Block .....	73.51	
			<i>For Horizontal Cores, Add</i>	14.62	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	29.25	
02 41 19 13-0101	EA		Drill 6" Diameter Core In Up To 4" Brick/Concrete Block .....	82.34	
			<i>For Horizontal Cores, Add</i>	16.37	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	32.74	
02 41 19 13-0102	EA		Drill 8" Diameter Core In Up To 4" Brick/Concrete Block .....	131.64	
			<i>For Horizontal Cores, Add</i>	26.19	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	52.39	
02 41 19 13-0103	EA		Drill 10" Diameter Core In Up To 4" Brick/Concrete Block .....	164.63	
			<i>For Horizontal Cores, Add</i>	32.74	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	65.48	
02 41 19 13-0104	EA		Drill 12" Diameter Core In Up To 4" Brick/Concrete Block .....	192.10	
			<i>For Horizontal Cores, Add</i>	38.20	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	76.40	
02 41 19 13-0105	EA		Drill 14" Diameter Core In Up To 4" Brick/Concrete Block .....	219.57	
			<i>For Horizontal Cores, Add</i>	43.65	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	87.30	
02 41 19 13-0106	EA		Drill 18" Diameter Core In Up To 4" Brick/Concrete Block .....	247.22	
			<i>For Horizontal Cores, Add</i>	49.11	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	98.22	

**02 41 19 13-0107 >4" To 6" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0094)**

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

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

02 41 19 13-0108	EA	Drill 1" Diameter Core In >4" To 6" Brick/Concrete Block	44.52
		<i>For Horizontal Cores, Add</i>	8.84
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	17.68
02 41 19 13-0109	EA	Drill 1-1/2" Diameter Core In >4" To 6" Brick/Concrete Block	49.43
		<i>For Horizontal Cores, Add</i>	9.82
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	19.64
02 41 19 13-0110	EA	Drill 2" Diameter Core In >4" To 6" Brick/Concrete Block	54.89
		<i>For Horizontal Cores, Add</i>	10.91
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	21.82
02 41 19 13-0111	EA	Drill 3" Diameter Core In >4" To 6" Brick/Concrete Block	65.93
		<i>For Horizontal Cores, Add</i>	13.10
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	26.19
02 41 19 13-0112	EA	Drill 4" Diameter Core In >4" To 6" Brick/Concrete Block	82.45
		<i>For Horizontal Cores, Add</i>	16.37
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	32.74
02 41 19 13-0113	EA	Drill 6" Diameter Core In >4" To 6" Brick/Concrete Block	109.89
		<i>For Horizontal Cores, Add</i>	21.83
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	43.66
02 41 19 13-0114	EA	Drill 8" Diameter Core In >4" To 6" Brick/Concrete Block	164.73
		<i>For Horizontal Cores, Add</i>	32.74
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	65.48
02 41 19 13-0115	EA	Drill 10" Diameter Core In >4" To 6" Brick/Concrete Block	192.38
		<i>For Horizontal Cores, Add</i>	38.20
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	76.40
02 41 19 13-0116	EA	Drill 12" Diameter Core In >4" To 6" Brick/Concrete Block	219.91
		<i>For Horizontal Cores, Add</i>	43.65
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	87.30
02 41 19 13-0117	EA	Drill 14" Diameter Core In >4" To 6" Brick/Concrete Block	247.54
		<i>For Horizontal Cores, Add</i>	49.11
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	98.22
02 41 19 13-0118	EA	Drill 18" Diameter Core In >4" To 6" Brick/Concrete Block	275.44
		<i>For Horizontal Cores, Add</i>	54.57
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	109.14
<b>02 41 19 13-0119</b>		<b>&gt;6" To 8" Thick Brick/Concrete Block Core Drilling</b> (02 41 19 13-0094)	
02 41 19 13-0120	EA	Drill 1" Diameter Core In >6" To 8" Brick/Concrete Block	49.07
		<i>For Horizontal Cores, Add</i>	9.72
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	19.45
02 41 19 13-0121	EA	Drill 1-1/2" Diameter Core In >6" To 8" Brick/Concrete Block	54.48
		<i>For Horizontal Cores, Add</i>	10.81
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	21.61
02 41 19 13-0122	EA	Drill 2" Diameter Core In >6" To 8" Brick/Concrete Block	60.48
		<i>For Horizontal Cores, Add</i>	12.01
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	24.01
02 41 19 13-0123	EA	Drill 3" Diameter Core In >6" To 8" Brick/Concrete Block	71.56
		<i>For Horizontal Cores, Add</i>	14.19
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	28.38
02 41 19 13-0124	EA	Drill 4" Diameter Core In >6" To 8" Brick/Concrete Block	93.58
		<i>For Horizontal Cores, Add</i>	18.55
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	37.11
02 41 19 13-0125	EA	Drill 6" Diameter Core In >6" To 8" Brick/Concrete Block	131.97
		<i>For Horizontal Cores, Add</i>	26.19
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	52.39
02 41 19 13-0126	EA	Drill 8" Diameter Core In >6" To 8" Brick/Concrete Block	219.63
		<i>For Horizontal Cores, Add</i>	43.65
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	87.30
02 41 19 13-0127	EA	Drill 10" Diameter Core In >6" To 8" Brick/Concrete Block	247.37
		<i>For Horizontal Cores, Add</i>	49.11
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	98.22
02 41 19 13-0128	EA	Drill 12" Diameter Core In >6" To 8" Brick/Concrete Block	275.03
		<i>For Horizontal Cores, Add</i>	54.57
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	109.14
02 41 19 13-0129	EA	Drill 14" Diameter Core In >6" To 8" Brick/Concrete Block	302.76
		<i>For Horizontal Cores, Add</i>	60.01
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	120.02
02 41 19 13-0130	EA	Drill 18" Diameter Core In >6" To 8" Brick/Concrete Block	330.92
		<i>For Horizontal Cores, Add</i>	65.48
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	130.96
<b>02 41 19 13-0131</b>		<b>&gt;8" To 10" Thick Brick/Concrete Block Core Drilling</b> (02 41 19 13-0094)	
02 41 19 13-0132	EA	Drill 1" Diameter Core In >8" To 10" Brick/Concrete Block	58.03
		<i>For Horizontal Cores, Add</i>	11.49
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	22.98
02 41 19 13-0133	EA	Drill 1-1/2" Diameter Core In >8" To 10" Brick/Concrete Block	64.41
		<i>For Horizontal Cores, Add</i>	12.77
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	25.54
02 41 19 13-0134	EA	Drill 2" Diameter Core In >8" To 10" Brick/Concrete Block	71.50
		<i>For Horizontal Cores, Add</i>	14.19
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	28.37
02 41 19 13-0135	EA	Drill 3" Diameter Core In >8" To 10" Brick/Concrete Block	82.63
		<i>For Horizontal Cores, Add</i>	16.37
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	32.74
02 41 19 13-0136	EA	Drill 4" Diameter Core In >8" To 10" Brick/Concrete Block	93.79
		<i>For Horizontal Cores, Add</i>	18.55
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	37.11

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0137 EA Drill 6" Diameter Core In >8" To 10" Brick/Concrete Block.....	132.23	
For Horizontal Cores, Add	26.19	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	52.39	
02 41 19 13-0138 EA Drill 8" Diameter Core In >8" To 10" Brick/Concrete Block.....	219.97	
For Horizontal Cores, Add	43.65	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	87.30	
02 41 19 13-0139 EA Drill 10" Diameter Core In >8" To 10" Brick/Concrete Block.....	247.83	
For Horizontal Cores, Add	49.11	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	98.22	
02 41 19 13-0140 EA Drill 12" Diameter Core In >8" To 10" Brick/Concrete Block.....	275.53	
For Horizontal Cores, Add	54.56	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	109.12	
02 41 19 13-0141 EA Drill 14" Diameter Core In >8" To 10" Brick/Concrete Block.....	303.45	
For Horizontal Cores, Add	60.01	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	120.02	
02 41 19 13-0142 EA Drill 18" Diameter Core In >8" To 10" Brick/Concrete Block.....	331.76	
For Horizontal Cores, Add	65.47	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	130.94	
<b>02 41 19 13-0143 &gt;10" To 12" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0094)</b>		
02 41 19 13-0144 EA Drill 1" Diameter Core In >10" To 12" Brick/Concrete Block.....	62.57	
For Horizontal Cores, Add	12.38	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	24.75	
02 41 19 13-0145 EA Drill 1-1/2" Diameter Core In >10" To 12" Brick/Concrete Block.....	69.45	
For Horizontal Cores, Add	13.75	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	27.50	
02 41 19 13-0146 EA Drill 2" Diameter Core In >10" To 12" Brick/Concrete Block.....	77.09	
For Horizontal Cores, Add	15.28	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	30.56	
02 41 19 13-0147 EA Drill 3" Diameter Core In >10" To 12" Brick/Concrete Block.....	82.80	
For Horizontal Cores, Add	16.37	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	32.74	
02 41 19 13-0148 EA Drill 4" Diameter Core In >10" To 12" Brick/Concrete Block.....	110.37	
For Horizontal Cores, Add	21.83	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	43.66	
02 41 19 13-0149 EA Drill 6" Diameter Core In >10" To 12" Brick/Concrete Block.....	143.40	
For Horizontal Cores, Add	28.38	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	56.76	
02 41 19 13-0150 EA Drill 8" Diameter Core In >10" To 12" Brick/Concrete Block.....	231.24	
For Horizontal Cores, Add	45.84	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	91.67	
02 41 19 13-0151 EA Drill 10" Diameter Core In >10" To 12" Brick/Concrete Block.....	248.28	
For Horizontal Cores, Add	49.11	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	98.22	
02 41 19 13-0152 EA Drill 12" Diameter Core In >10" To 12" Brick/Concrete Block.....	287.07	
For Horizontal Cores, Add	56.76	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	113.51	
<b>02 41 19 13-0153 &gt;12" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0094)</b>		
02 41 19 13-0154 IN Drill 1" Diameter Core In >12" Brick/Concrete Block.....	7.62	
For Horizontal Cores, Add	1.51	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	3.02	
02 41 19 13-0155 IN Drill 1-1/2" Diameter Core In >12" Brick/Concrete Block.....	8.47	
For Horizontal Cores, Add	1.68	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	3.36	
02 41 19 13-0156 IN Drill 2" Diameter Core In >12" Brick/Concrete Block.....	9.40	
For Horizontal Cores, Add	1.87	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	3.74	
02 41 19 13-0157 IN Drill 3" Diameter Core In >12" Brick/Concrete Block.....	10.30	
For Horizontal Cores, Add	2.04	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	4.09	
02 41 19 13-0158 IN Drill 4" Diameter Core In >12" Brick/Concrete Block.....	13.74	
For Horizontal Cores, Add	2.73	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	5.46	
02 41 19 13-0159 IN Drill 6" Diameter Core In >12" Brick/Concrete Block.....	17.88	
For Horizontal Cores, Add	3.55	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	7.10	
02 41 19 13-0160 IN Drill 8" Diameter Core In >12" Brick/Concrete Block.....	28.85	
For Horizontal Cores, Add	5.74	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	11.47	
02 41 19 13-0161 IN Drill 10" Diameter Core In >12" Brick/Concrete Block.....	31.06	
For Horizontal Cores, Add	6.17	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	12.33	
02 41 19 13-0162 IN Drill 12" Diameter Core In >12" Brick/Concrete Block.....	35.77	
For Horizontal Cores, Add	7.10	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	14.20	
<b>02 41 19 13-0163 Asphalt Core Drilling (02 41 19 13-0024)</b>		
<b>02 41 19 13-0164 Up To 2" Thick Asphalt Core Drilling (02 41 19 13-0163)</b>		
02 41 19 13-0165 EA Drill 1" Diameter Core In Up To 2" Asphalt.....	18.72	
02 41 19 13-0166 EA Drill 1-1/2" Diameter Core In Up To 2" Asphalt.....	23.40	
02 41 19 13-0167 EA Drill 2" Diameter Core In Up To 2" Asphalt.....	29.26	
02 41 19 13-0168 EA Drill 3" Diameter Core In Up To 2" Asphalt.....	36.28	
02 41 19 13-0169 EA Drill 4" Diameter Core In Up To 2" Asphalt.....	45.65	
02 41 19 13-0170 EA Drill 6" Diameter Core In Up To 2" Asphalt.....	57.36	

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

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

02 41 19 13-0171	EA	Drill 8" Diameter Core In Up To 2" Asphalt .....	71.42
02 41 19 13-0172	EA	Drill 10" Diameter Core In Up To 2" Asphalt .....	88.97
02 41 19 13-0173	EA	Drill 12" Diameter Core In Up To 2" Asphalt .....	111.19
<b>02 41 19 13-0174</b>		<b>&gt;2" To 3" Thick Asphalt Core Drilling (02 41 19 13-0163)</b>	
02 41 19 13-0175	EA	Drill 1" Diameter Core In >2" To 3" Asphalt.....	23.40
02 41 19 13-0176	EA	Drill 1-1/2" Diameter Core In >2" To 3" Asphalt .....	30.42
02 41 19 13-0177	EA	Drill 2" Diameter Core In >2" To 3" Asphalt.....	37.44
02 41 19 13-0178	EA	Drill 3" Diameter Core In >2" To 3" Asphalt.....	46.80
02 41 19 13-0179	EA	Drill 4" Diameter Core In >2" To 3" Asphalt.....	58.52
02 41 19 13-0180	EA	Drill 6" Diameter Core In >2" To 3" Asphalt.....	73.72
02 41 19 13-0181	EA	Drill 8" Diameter Core In >2" To 3" Asphalt.....	91.31
02 41 19 13-0182	EA	Drill 10" Diameter Core In >2" To 3" Asphalt.....	114.69
02 41 19 13-0183	EA	Drill 12" Diameter Core In >2" To 3" Asphalt.....	142.77
<b>02 41 19 13-0184</b>		<b>&gt;3" To 4" Thick Asphalt Core Drilling (02 41 19 13-0163)</b>	
02 41 19 13-0185	EA	Drill 1" Diameter Core In >3" To 4" Asphalt.....	30.43
02 41 19 13-0186	EA	Drill 1-1/2" Diameter Core In >3" To 4" Asphalt .....	38.62
02 41 19 13-0187	EA	Drill 2" Diameter Core In >3" To 4" Asphalt.....	47.98
02 41 19 13-0188	EA	Drill 3" Diameter Core In >3" To 4" Asphalt.....	59.69
02 41 19 13-0189	EA	Drill 4" Diameter Core In >3" To 4" Asphalt.....	74.92
02 41 19 13-0190	EA	Drill 6" Diameter Core In >3" To 4" Asphalt.....	93.65
02 41 19 13-0191	EA	Drill 8" Diameter Core In >3" To 4" Asphalt.....	117.09
02 41 19 13-0192	EA	Drill 10" Diameter Core In >3" To 4" Asphalt.....	146.33
02 41 19 13-0193	EA	Drill 12" Diameter Core In >3" To 4" Asphalt.....	182.60
<b>02 41 19 13-0194</b>		<b>&gt;4" To 6" Thick Asphalt Core Drilling (02 41 19 13-0163)</b>	
02 41 19 13-0195	EA	Drill 1" Diameter Core In >4" To 6" Asphalt.....	39.80
02 41 19 13-0196	EA	Drill 1-1/2" Diameter Core In >4" To 6" Asphalt .....	49.18
02 41 19 13-0197	EA	Drill 2" Diameter Core In >4" To 6" Asphalt.....	60.87
02 41 19 13-0198	EA	Drill 3" Diameter Core In >4" To 6" Asphalt.....	77.29
02 41 19 13-0199	EA	Drill 4" Diameter Core In >4" To 6" Asphalt.....	96.04
02 41 19 13-0200	EA	Drill 6" Diameter Core In >4" To 6" Asphalt.....	119.46
02 41 19 13-0201	EA	Drill 8" Diameter Core In >4" To 6" Asphalt.....	149.95
02 41 19 13-0202	EA	Drill 10" Diameter Core In >4" To 6" Asphalt.....	187.39
02 41 19 13-0203	EA	Drill 12" Diameter Core In >4" To 6" Asphalt.....	234.21
<b>02 41 19 13-0204</b>		<b>Manhole Core Drilling (02 41 19 13-0024)</b>	
02 41 19 13-0205	EA	Drill 4" Diameter Core In 6" Brick Manhole .....	205.05
02 41 19 13-0206	EA	Drill 5" Diameter Core In 6" Brick Manhole .....	234.33
02 41 19 13-0207	EA	Drill 6" Diameter Core In 6" Brick Manhole .....	273.32
02 41 19 13-0208	EA	Drill 8" Diameter Core In 6" Brick Manhole .....	409.95
02 41 19 13-0209	EA	Drill 2" Diameter Core In 8" Concrete Manhole.....	274.81
02 41 19 13-0210	EA	Drill 3" Diameter Core In 8" Concrete Manhole.....	292.50
02 41 19 13-0211	EA	Drill 4" Diameter Core In 8" Concrete Manhole.....	321.87
02 41 19 13-0212	EA	Drill 5" Diameter Core In 8" Concrete Manhole.....	345.33
02 41 19 13-0213	EA	Drill 6" Diameter Core In 8" Concrete Manhole.....	409.63
02 41 19 13-0214	EA	Drill 8" Diameter Core In 8" Concrete Manhole.....	585.12
02 41 19 13-0215	EA	Drill 2" Diameter Core In Fiberglass Manhole.....	27.30
02 41 19 13-0216	EA	Drill 3" Diameter Core In Fiberglass Manhole.....	31.50
02 41 19 13-0217	EA	Drill 4" Diameter Core In Fiberglass Manhole.....	34.13
02 41 19 13-0218	EA	Drill 5" Diameter Core In Fiberglass Manhole .....	37.23
02 41 19 13-0219	EA	Drill 6" Diameter Core In Fiberglass Manhole.....	40.96
02 41 19 13-0220	EA	Drill 8" Diameter Core In Fiberglass Manhole.....	45.50
<b>02 41 19 13-0221</b>		<b>Drilling In Concrete Per Inch Of Depth (02 41 19 13-0024)</b>	
		Note: Includes layout.	
02 41 19 13-0222	IN	1/4" Diameter Drilling In Concrete Per Inch Of Depth.....	2.04
02 41 19 13-0223	IN	3/8" Diameter Drilling In Concrete Per Inch Of Depth .....	2.14
02 41 19 13-0224	IN	1/2" Diameter Drilling In Concrete Per Inch Of Depth .....	2.29
02 41 19 13-0225	IN	5/8" Diameter Drilling In Concrete Per Inch Of Depth .....	2.44
02 41 19 13-0226	IN	3/4" Diameter Drilling In Concrete Per Inch Of Depth .....	2.68
02 41 19 13-0227	IN	7/8" Diameter Drilling In Concrete Per Inch Of Depth .....	2.91
02 41 19 13-0228	IN	1" Diameter Drilling In Concrete Per Inch Of Depth .....	3.05
02 41 19 13-0229	IN	1-1/4" Diameter Drilling In Concrete Per Inch Of Depth.....	3.37
02 41 19 13-0230	IN	1-1/2" Diameter Drilling In Concrete Per Inch Of Depth.....	3.82
<b>02 41 19 13-0231</b>		<b>Drilling In Brick/Concrete Block Per Inch Of Depth (02 41 19 13-0024)</b>	
		Note: Includes layout.	
02 41 19 13-0232	IN	1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth .....	1.70
02 41 19 13-0233	IN	3/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth .....	1.78
02 41 19 13-0234	IN	1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth .....	1.91
02 41 19 13-0235	IN	5/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth .....	2.04
02 41 19 13-0236	IN	3/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth .....	2.23
02 41 19 13-0237	IN	7/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth .....	2.43
02 41 19 13-0238	IN	1" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth .....	2.55
02 41 19 13-0239	IN	1-1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth .....	2.82
02 41 19 13-0240	IN	1-1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth .....	3.42



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**02 41 19 13-0241 Drilling In Wood Or Plastic Per Inch Of Depth** (02 41 19 13-0024)  
Note: Includes layout.

02 41 19 13-0242	IN	1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	0.84
02 41 19 13-0243	IN	3/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	0.89
02 41 19 13-0244	IN	1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	0.96
02 41 19 13-0245	IN	5/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.02
02 41 19 13-0246	IN	3/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.12
02 41 19 13-0247	IN	7/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.21
02 41 19 13-0248	IN	1" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.28
02 41 19 13-0249	IN	1-1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.40
02 41 19 13-0250	IN	1-1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.64

**02 41 19 13-0251 Minimum Charge For Core Drilling** (02 41 19 13-0024)

02 41 19 13-0252	EA	Core Drill Minimum Charge.....	780.56
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Note: For projects where the total core drilling charge is less than the minimum charge, use task "Minimum Charge For Core Drilling" exclusively. Task "Minimum Charge For Core Drilling" should not be used in conjunction with any other tasks in this section. Does not apply to sections "Drilling In Concrete Per Inch Of Depth" or "Drilling In Brick Or Block Per Inch Of Depth".

**02 41 19 13-0253 Cutouts** (02 41 19 13)  
Note: Includes saw cutting and removal of material. Not to be used for openings greater than 24 SF.

**02 41 19 13-0254 Reinforced Concrete Slab On Grade Cutouts** (02 41 19 13-0253)

02 41 19 13-0255	SF	4" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF .....	45.46
02 41 19 13-0256	SF	6" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF .....	48.22
02 41 19 13-0257	SF	8" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF .....	50.97
02 41 19 13-0258	SF	10" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF .....	53.73
02 41 19 13-0259	SF	12" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF .....	55.10

**02 41 19 13-0260 Reinforced Concrete Elevated Slab Cutouts** (02 41 19 13-0253)  
Note: Includes cutting and removing steel decking.

02 41 19 13-0261	SF	4" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF .....	55.41
02 41 19 13-0262	SF	6" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF .....	58.76
02 41 19 13-0263	SF	8" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF .....	62.12
02 41 19 13-0264	SF	10" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF .....	65.48
02 41 19 13-0265	SF	12" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF .....	67.16

**02 41 19 13-0266 Reinforced Concrete Wall Cutouts** (02 41 19 13-0253)

02 41 19 13-0267	SF	4" Thick Reinforced Concrete Wall Cutouts, <24 SF .....	56.83
02 41 19 13-0268	SF	6" Thick Reinforced Concrete Wall Cutouts, <24 SF .....	60.27
02 41 19 13-0269	SF	8" Thick Reinforced Concrete Wall Cutouts, <24 SF .....	63.71
02 41 19 13-0270	SF	10" Thick Reinforced Concrete Wall Cutouts, <24 SF .....	67.16
02 41 19 13-0271	SF	12" Thick Reinforced Concrete Wall Cutouts, <24 SF .....	68.89

**02 41 19 13-0272 Brick Wall Cutouts** (02 41 19 13-0253)  
Note: Excludes toothing.

02 41 19 13-0273	SF	4" Thick Brick Wall Cutouts, <24 SF .....	17.22
02 41 19 13-0274	SF	6" Thick Brick Wall Cutouts, <24 SF .....	28.41
02 41 19 13-0275	SF	8" Thick Brick Wall Cutouts, <24 SF .....	39.57
02 41 19 13-0276	SF	10" Thick Brick Wall Cutouts, <24 SF .....	48.22
02 41 19 13-0277	SF	12" Thick Brick Wall Cutouts, <24 SF .....	57.69
02 41 19 13-0278	SF	16" Thick Brick Wall Cutouts, <24 SF .....	68.02

**02 41 19 13-0279 Concrete Block Wall Cutouts** (02 41 19 13-0253)  
Note: Excludes toothing.

02 41 19 13-0280	SF	4" Thick Concrete Block Wall Cutouts, <24 SF .....	28.49
02 41 19 13-0281	SF	6" Thick Concrete Block Wall Cutouts, <24 SF .....	30.17
02 41 19 13-0282	SF	8" Thick Concrete Block Wall Cutouts, <24 SF .....	31.86
02 41 19 13-0283	SF	10" Thick Concrete Block Wall Cutouts, <24 SF .....	33.58
02 41 19 13-0284	SF	12" Thick Concrete Block Wall Cutouts, <24 SF .....	34.44
02 41 19 13-0285	SF	16" Thick Concrete Block Wall Cutouts, <24 SF .....	36.16

**02 41 19 13-0286 Limestone Cutouts** (02 41 19 13-0253)

02 41 19 13-0287	SF	2" Thick Limestone Cutouts, <24 SF .....	48.22
02 41 19 13-0288	SF	4" Thick Limestone Cutouts, <24 SF .....	58.55
02 41 19 13-0289	SF	6" Thick Limestone Cutouts, <24 SF .....	61.99
02 41 19 13-0290	SF	8" Thick Limestone Cutouts, <24 SF .....	65.44
02 41 19 13-0291	SF	10" Thick Limestone Cutouts, <24 SF .....	68.89
02 41 19 13-0292	SF	12" Thick Limestone Cutouts, <24 SF .....	72.33

**02 41 19 13-0293 Tothing Masonry Cutouts** (02 41 19 13-0253)  
Note: For use where existing masonry must be removed in a tothing pattern along horizontal and vertical mortar joints. VLF measurement includes all horizontal cutting.

02 41 19 13-0294	VLF	Brick, Soft Old Mortar, Tothing Masonry Cutouts.....	17.22
02 41 19 13-0295	VLF	Brick, Hard Mortar, Tothing Masonry Cutouts.....	23.25

**02 Existing Conditions**  
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**02 41 Demolition**

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02 41 19 13-0296	VLF	Concrete Block, Soft Old Mortar, Tooothing Masonry Cutouts .....	10.33
02 41 19 13-0297	VLF	Concrete Block, Hard Mortar, Tooothing Masonry Cutouts.....	13.78
<b>02 41 19 13-0298</b>		<b>Minimum Charge For Cutouts</b> (02 41 19 13-0253) Note: For projects where the total cutouts charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	
02 41 19 13-0299	EA	Cutouts Minimum Charge .....	344.40
<b>02 41 19 13-0300</b>		<b>Exterior Masonry Removal</b> (02 41 19 13)	
<b>02 41 19 13-0301</b>		<b>Masonry Columns Removal (Interior And Exterior)</b> (02 41 19 13-0300)	
02 41 19 13-0302	VLF	8" x 8" Masonry Column Removal .....	13.35
02 41 19 13-0303	VLF	10" x 10" Masonry Column Removal .....	20.85
02 41 19 13-0304	VLF	12" x 12" Masonry Column Removal .....	26.72
02 41 19 13-0305	VLF	14" x 14" Masonry Column Removal .....	33.44
02 41 19 13-0306	VLF	16" x 16" Masonry Column Removal .....	41.08
02 41 19 13-0307	CF	Masonry Column Removal, Per CF Of Masonry Removed; For Other Sizes Over 16" Square .....	23.07
<b>02 41 19 13-0308</b>		<b>Remove And Reset Precast, Stone Or Masonry Coping</b> (02 41 19 13-0300) Note: Includes removing, cleaning, and resetting coping with new ties and mortar. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.	
02 41 19 13-0309	LF	Up To 8" Wide, Remove And Reset Precast, Stone Or Masonry Coping .....	18.47
02 41 19 13-0310	LF	>8" To 12" Wide, Remove And Reset Precast, Stone Or Masonry Coping.....	27.62
02 41 19 13-0311	LF	>12" To 24" Wide, Remove And Reset Precast, Stone Or Masonry Coping.....	52.77
<b>02 41 19 13-0312</b>		<b>Facade Removal</b> (02 41 19 13-0300) Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.	
02 41 19 13-0313	SF	Stone Or Brick Veneer Facade Removal .....	5.08
		<i>For Cleaning and Storage For Reuse, Add</i>	7.62
<b>02 41 19 13-0314</b>		<b>Exterior Masonry Removal</b> (02 41 19 13-0300) Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Salvage modifier includes removing mortar, scraping, cleaning, placement on pallets and storage on site. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.	
02 41 19 13-0315	SF	Demolish 4" Thick Non Reinforced Concrete Block Exterior Wall .....	4.47
02 41 19 13-0316	SF	Demolish 6" Thick Non Reinforced Concrete Block Exterior Wall .....	5.04
02 41 19 13-0317	SF	Demolish 8" Thick Non Reinforced Concrete Block Exterior Wall .....	6.10
02 41 19 13-0318	SF	Demolish 10" Thick Non Reinforced Concrete Block Exterior Wall.....	6.66
02 41 19 13-0319	SF	Demolish 12" Thick Non Reinforced Concrete Block Exterior Wall .....	7.31
02 41 19 13-0320	SF	Demolish 16" Thick Non Reinforced Concrete Block Exterior Wall .....	9.15
02 41 19 13-0321	SF	Demolish 4" Thick Reinforced Concrete Block Exterior Wall .....	5.29
02 41 19 13-0322	SF	Demolish 6" Thick Reinforced Concrete Block Exterior Wall .....	6.05
02 41 19 13-0323	SF	Demolish 8" Thick Reinforced Concrete Block Exterior Wall .....	7.31
02 41 19 13-0324	SF	Demolish 10" Thick Reinforced Concrete Block Exterior Wall .....	8.00
02 41 19 13-0325	SF	Demolish 12" Thick Reinforced Concrete Block Exterior Wall .....	8.78
02 41 19 13-0326	SF	Demolish 16" Thick Reinforced Concrete Block Exterior Wall .....	10.98
02 41 19 13-0327	SF	Demolish 4" Thick Brick Exterior Wall .....	4.47
		<i>For Cleaning and Storage For Reuse, Add</i>	6.71
02 41 19 13-0328	SF	Demolish 6" Thick Brick Exterior Wall .....	5.04
		<i>For Cleaning and Storage For Reuse, Add</i>	7.56
02 41 19 13-0329	SF	Demolish 8" Thick Brick Exterior Wall .....	6.10
		<i>For Cleaning and Storage For Reuse, Add</i>	9.15
02 41 19 13-0330	SF	Demolish 10" Thick Brick Exterior Wall .....	6.66
		<i>For Cleaning and Storage For Reuse, Add</i>	9.99
02 41 19 13-0331	SF	Demolish 12" Thick Brick Exterior Wall .....	7.31
		<i>For Cleaning and Storage For Reuse, Add</i>	10.97
02 41 19 13-0332	SF	Demolish 16" Thick Brick Exterior Wall .....	9.15
		<i>For Cleaning and Storage For Reuse, Add</i>	13.73
02 41 19 13-0333	CF	Exterior Brick, Concrete Block Or Composite Removal .....	13.01
		<i>For Cleaning and Storage For Reuse, Add</i>	19.52
<b>02 41 19 13-0334</b>		<b>Lintel Removal</b> (02 41 19 13-0300) Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.	
02 41 19 13-0335	LF	Demolish Steel Lintel .....	16.50
02 41 19 13-0336	LF	Demolish Concrete Or Stone Lintel.....	22.00
02 41 19 13-0337	LF	Demolish Steel Shelf Angle .....	17.42
<b>02 41 19 13-0338</b>		<b>Reinstall Lintel</b> (02 41 19 13-0300) Note: Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.	
02 41 19 13-0339	LF	Clean, Prime And Paint Steel Shelf Angle Or Lintel.....	10.87
02 41 19 13-0340	LF	Reinstall Existing Concrete Or Stone Lintel .....	22.00
02 41 19 13-0341	LF	Reinstall Existing Steel Shelf Angle .....	45.51
		Note: Includes fasteners.	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 41 19 13-0342	LF		Reinstall Existing Steel Lintel.....	18.33	
02 41 19 13-0343	LF		Removal And Replacement Of Steel Shelf Angle Over Window Openings At Cavity Walls .....	79.55	
02 41 19 13-0344	LF		Removal And Replacement Of Steel Lintel Over Window Openings .....	139.97	
02 41 19 13-0345			<b>Exterior Concrete Wall Removal</b> (02 41 19 13)		
02 41 19 13-0346	SF		Demolish 4" Thick Reinforced Concrete Exterior Wall .....	6.12	
02 41 19 13-0347	SF		Demolish 6" Thick Reinforced Concrete Exterior Wall .....	11.09	
02 41 19 13-0348	SF		Demolish 8" Thick Reinforced Concrete Exterior Wall .....	13.93	
02 41 19 13-0349	SF		Demolish 10" Thick Reinforced Concrete Exterior Wall .....	16.44	
02 41 19 13-0350	SF		Demolish 12" Thick Reinforced Concrete Exterior Wall .....	19.43	
02 41 19 13-0351			<b>Elevated Concrete Removal</b> (02 41 19 13)		
02 41 19 13-0352	CF		Elevated Concrete Beam/Slab/Steps Removal, Reinforced .....	11.54	
02 41 19 16			<b>Selective Interior Demolition</b> (02 41 19)		
			Note: Includes break-up of material, loading into truck or dumpster and clean-up.		
02 41 19 16-0001			<b>Floor Removal</b> (02 41 19 16)		
02 41 19 16-0002			<b>Scarify Concrete</b> (02 41 19 16-0001)		
			Note: Up to 1/4" removal per pass.		
02 41 19 16-0003	SF		Scarify Concrete Floor .....	0.28	
02 41 19 16-0004	SF		Scarify Concrete Tread And Riser .....	2.38	
02 41 19 16-0005	SF		Scarify Concrete Wall .....	2.16	
02 41 19 16-0006			<b>Fireproofing Removal</b> (02 41 19 16)		
02 41 19 16-0007	SF		Removal Of Fireproofing From Concrete Or Steel.....	1.13	
02 41 19 16-0008			<b>Demolish Ceiling</b> (02 41 19 16)		
02 41 19 16-0009	SF		Demolish Drywall Ceiling .....	0.87	
02 41 19 16-0010	SF		Demolish Furred Plastered Ceiling .....	2.03	
02 41 19 16-0011	SF		Demolish Suspended Plastered Ceiling And Suspension System.....	1.56	
02 41 19 16-0012			<b>Demolish Concrete Stair</b> (02 41 19 16)		
02 41 19 16-0013	CF		Demolish Interior Reinforced Concrete Stairs.....	7.31	
02 41 19 16-0014	CF		Demolish Exterior Reinforced Concrete Stairs.....	6.38	
02 41 19 16-0015			<b>Demolish Interior Partition/Wall</b> (02 41 19 16)		
			Note: Price includes knock down, loading, clean-up.		
02 41 19 16-0016			<b>Demolish Masonry And Concrete Interior Partition/Walls</b> (02 41 19 16-0015)		
			Note: Includes saw cutting, knock down, loading and clean-up.		
02 41 19 16-0017			<b>Demolish Concrete Block Interior Partition/Walls</b> (02 41 19 16-0016)		
02 41 19 16-0018	SF		Demolish 4" Thick Non Reinforced Concrete Block Interior Partition/Wall.....	4.74	
02 41 19 16-0019	SF		Demolish 6" Thick Non Reinforced Concrete Block Interior Partition/Wall.....	5.06	
02 41 19 16-0020	SF		Demolish 8" Thick Non Reinforced Concrete Block Interior Partition/Wall.....	5.71	
02 41 19 16-0021	SF		Demolish 12" Thick Non Reinforced Concrete Block Interior Partition/Wall.....	7.32	
02 41 19 16-0022	SF		Demolish 16" Thick Non Reinforced Concrete Block Interior Partition/Wall.....	9.15	
02 41 19 16-0023	SF		Demolish 4" Thick Reinforced Concrete Block Interior Partition/Wall .....	5.69	
02 41 19 16-0024	SF		Demolish 6" Thick Reinforced Concrete Block Interior Partition/Wall .....	6.08	
02 41 19 16-0025	SF		Demolish 8" Thick Reinforced Concrete Block Interior Partition/Wall .....	6.85	
02 41 19 16-0026	SF		Demolish 12" Thick Reinforced Concrete Block Interior Partition/Wall .....	8.79	
02 41 19 16-0027	SF		Demolish 16" Thick Reinforced Concrete Block Interior Partition/Wall .....	10.98	
02 41 19 16-0028			<b>Demolish Brick Interior Partition/Walls</b> (02 41 19 16-0016)		
02 41 19 16-0029	SF		Demolish 4" Thick Brick Interior Partition/Wall.....	4.74	
02 41 19 16-0030	SF		Demolish 8" Thick Brick Interior Partition/Wall.....	5.71	
02 41 19 16-0031	SF		Demolish 12" Thick Brick Interior Partition/Wall .....	7.31	
02 41 19 16-0032	SF		Demolish 16" Thick Brick Interior Partition/Wall .....	9.15	
02 41 19 16-0033			<b>Demolish Glass Block Interior Partition/Walls</b> (02 41 19 16-0016)		
02 41 19 16-0034	SF		Demolish Glass Block Interior Partition/Walls.....	4.06	
02 41 19 16-0035			<b>Demolish Concrete Interior Partition/Walls</b> (02 41 19 16-0016)		
			See CSI section 02 41 16 13-0021 for concrete foundation demolition.		
02 41 19 16-0036	SF		Demolish 6" Thick Non Reinforced Concrete Interior Partition/Wall.....	8.62	
02 41 19 16-0037	SF		Demolish 8" Thick Non Reinforced Concrete Interior Partition/Wall.....	10.77	
02 41 19 16-0038	SF		Demolish 12" Thick Non Reinforced Concrete Interior Partition/Wall.....	15.08	
02 41 19 16-0039	SF		Demolish 6" Thick Reinforced Concrete Interior Partition/Wall.....	10.33	
02 41 19 16-0040	SF		Demolish 8" Thick Reinforced Concrete Interior Partition/Wall .....	13.01	
02 41 19 16-0041	SF		Demolish 12" Thick Reinforced Concrete Interior Partition/Wall .....	18.09	
02 41 19 16-0042			<b>Demolish Terra-Cotta Block Interior Partition/Walls</b> (02 41 19 16-0016)		

**02 Existing Conditions****02 40 Demolition and Structure Moving****02 41 Demolition**
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02 41 19 16-0043 SF Demolish Up To 6" Thick Terra-Cotta Block Interior Partition/Wall Finished With Plaster .....1.62

**02 41 19 16-0044 Demolish Stud Framed Interior Partition/Walls** (02 41 19 16-0015)

Note: Includes knock down, loading and clean-up. Includes demo of insulation if required.

02 41 19 16-0045 SF Demolish Wood Or Metal Framed Interior Partition/Wall With Drywall 1 Side .....2.87

 For Heights >14' To 20', Add  
 For Heights >20', Add

 0.43  
 0.57

02 41 19 16-0046 SF Demolish Wood Or Metal Framed Interior Partition/Wall With Drywall 2 Sides.....3.35

 For Heights >14' To 20', Add  
 For Heights >20', Add

 0.50  
 0.67

02 41 19 16-0047 SF Demolish Wood Or Metal Framed Interior Partition/Wall With Plaster And Lath 1 Side.....3.67

 For Heights >14' To 20', Add  
 For Heights >20', Add

 0.55  
 0.73

02 41 19 16-0048 SF Demolish Wood Or Metal Framed Interior Partition/Wall With Plaster And Lath 2 Sides.....5.10

 For Heights >14' To 20', Add  
 For Heights >20', Add

 0.77  
 1.02

02 41 19 16-0049 SF Demolish Plaster And Lath From 1 Side Of An Interior Partition/Wall.....1.51

 For Heights >14' To 20', Add  
 For Heights >20', Add

 0.23  
 0.30

02 41 19 16-0050 SF Demolish Plaster And Lath From 2 Sides Of An Interior Partition/Wall .....1.80

 For Heights >14' To 20', Add  
 For Heights >20', Add

 0.27  
 0.36
**02 42 Removal and Salvage of Construction Materials** (02 40)**02 42 21 Salvage of Construction Materials** (02 42)

Note: Includes placement on pallets and storage on site.

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

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

02 42 21 35-0002 SQ Removal Of Clay Roof Tile, Salvage For Re-use.....264.23

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

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

02 42 21 47-0002 SF Removal Of Brick Flooring And Salvage.....2.40

02 42 21 47-0003 SF Removal Of Ceramic/Quarry Tile Floor And Salvage.....2.40

02 42 21 47-0004 SF Removal Of Terrazzo Flooring And Salvage.....3.32

02 42 21 47-0005 SF Removal Of Wood Strip Flooring And Salvage .....1.94

02 42 21 47-0006 SF Removal Of Wood Parquet Flooring And Salvage .....1.02

02 42 21 47-0007 SF Removal Of Resilient/Linoleum Flooring And Salvage.....0.74

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

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

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

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

02 43 13 13-0002 SF Up To 800 SF, Move Relocatable Metal Frame Building .....33.32

02 43 13 13-0003 SF &gt;800 To 920 SF, Move Relocatable Metal Frame Building.....31.49

02 43 13 13-0004 SF &gt;920 SF, Move Relocatable Metal Frame Building.....29.48

02 43 13 13-0005 SF Up To 800 SF, Move Relocatable Wood Frame Building.....26.73

02 43 13 13-0006 SF &gt;800 To 920 SF, Move Relocatable Wood Frame Building .....24.99

02 43 13 13-0007 SF &gt;920 SF, Move Relocatable Wood Frame Building .....22.11

02 43 13 13-0008 SF Up To 800 SF, Move Relocatable Wood/Metal Frame Building .....32.39

02 43 13 13-0009 SF &gt;800 To 920 SF, Move Relocatable Wood/Metal Frame Building .....29.48

02 43 13 13-0010 SF &gt;920 SF, Move Relocatable Wood/Metal Frame Building.....24.99

**02 60 Contaminated Site Material Removal** (02)**02 61 Removal and Disposal of Contaminated Soils** (02 60)**02 61 13 Excavation and Handling of Contaminated Material** (02 61)

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

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

02 61 13 00-0002 CY Excavate Petroleum Contaminated Soil.....12.91

Note: Includes excavation, making a determination if the soil is reusable or contaminated, and stockpiling as per determination.

02 61 13 00-0003 CY Load Excavated Petroleum Contaminated Soil.....7.61

02 61 13 00-0004 CY Disposal Fees Of Petroleum Contaminated Soil.....66.48

02 61 13 00-0005	Accessories For Contaminated Soil Stockpile <small>(02 61 13)</small>			
	See CSI section 31 25 14 23-0024 for sand bags.			
02 61 13 00-0006	SF 30 Mil Liner For Contaminated Soil Storage		1.30	
	Note: 9.93 SF of liner per 1 ton of petroleum contaminated soil.			
02 61 13 00-0007	SF 10 Mil Liner For Contaminated Soil Storage		0.78	
	Note: 9.93 SF of liner per 1 ton of petroleum contaminated soil.			

**02 61 26 Removal and Disposal of Asbestos Contaminated Soils (02 61)**

Note: Includes materials, equipment, mobilization, preparation, signage, removal, transportation for up to 25 miles, disposal of waste at transfer facility or final destination, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there is a task with a unit of measure of CF for a quantity of less than 10 CF, followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project.

02 61 26 00-0001	Removal and Disposal of Asbestos Contaminated Soils <small>(02 61 26)</small>			
	Note: Includes materials, equipment, mobilization, preparation, signage, removal, transportation for up to 25 miles, disposal of waste at transfer facility or final destination, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there is a task with a unit of measure of CF for a quantity of less than 10 CF, followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project.			
02 61 26 00-0002	EA Up To 10 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal		912.38	
	For Work In Restricted Working Space, Add		273.71	
02 61 26 00-0003	CF >10 To 100 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal		60.48	
	For Work In Restricted Working Space, Add		18.14	
02 61 26 00-0004	CF >100 To 250 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal		40.32	
	For Work In Restricted Working Space, Add		12.10	
02 61 26 00-0005	CF >250 To 500 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal		30.29	
	For Work In Restricted Working Space, Add		9.09	
02 61 26 00-0006	CF >500 To 2,500 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal		24.19	
	For Work In Restricted Working Space, Add		7.26	
02 61 26 00-0007	CF >2,500 To 10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal		20.57	
	For Work In Restricted Working Space, Add		6.17	
02 61 26 00-0008	CF >10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal		18.50	
	For Work In Restricted Working Space, Add		5.55	

**02 65 Underground Storage Tank Removal (02 60)**

Note: Petroleum gasoline is classified as a hazardous material; fuel oil is considered a non-hazardous material. See CSI section 01 74 19 00-0039 for hauling, 31 20 00 00-0000 for non-contaminated soil excavation, 31 23 16 00-0000 for excavation, 31 41 00 00-0000 for shoring.

02 65 00 00-0001	Monitoring, Sampling, Testing And Analysis <small>(02 65)</small>			
02 65 00 00-0002	Field Samples For Testing Underground Storage Tank <small>(02 65 00 00-0001)</small>			
02 65 00 00-0003	EA Collection Of Sludge Sample For Underground Storage Tank		24.49	
02 65 00 00-0004	EA Collection Of Pumpable Liquids Sample For Underground Storage Tank		24.49	
02 65 00 00-0005	EA Collection Of Contaminated Soil Sample		24.49	

**02 65 00 00-0006 Lab Tests For Underground Storage Tank Removal (02 65 00 00-0001)**

Note: Includes lab test fees, reports, shipping, handling, chain of custody documents and disposal of sample.

02 65 00 00-0007	EA Benzene, Toluene, Ethylbenzene, Xylene 8020, Lab Test			163.61
	Note: The cost is for the in-lab test for Benzene, Toluene, Ethylbenzene, And Xylene using procedure 8020 as detailed in EPA SW-846.			
02 65 00 00-0008	EA Flashpoint, Lab Test		63.63	
	Note: The cost is for the in-lab test for the flashpoint using procedure 40CFR 261.21 as detailed in EPA SW-846.			
02 65 00 00-0009	EA TOX 9020, Lab Test		153.06	
	Note: The cost is for the in-lab test for total organic halides using procedure 9020 as detailed in EPA SW-846.			
02 65 00 00-0010	EA TPH 8015 Modified, Lab Test		163.61	
	Note: The cost is for the in-lab test for total petroleum hydrocarbons by gas chromatography using procedure 8015 Mod. as detailed in EPA SW-846.			
02 65 00 00-0011	EA TRPH 418.1, Lab Test		127.25	
	Note: The cost is for the in-lab test for total recoverable petroleum hydrocarbons using procedure 418.1 as detailed in EPA SW-846.			
02 65 00 00-0012	EA VOC, Lab Test		345.40	
	Note: The cost is for the in-lab test for volatile organics using procedure 8240 as detailed in EPA SW-846.			
02 65 00 00-0013	EA Semi-Volatile Organic, Lab Test		636.26	
	Note: The cost is for the in-lab test for semi-volatile organics using procedure 8270 as detailed in EPA SW-846.			
02 65 00 00-0014	EA Oil And Grease 413.1, Lab Test		76.53	
	Note: The cost is for the in-lab test for oil and grease using procedure 413.1 as detailed in EPA SW-846.			
02 65 00 00-0015	EA TCLP (Extraction) - Metals, Lab Test		136.34	
	Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.			
02 65 00 00-0016	EA TCLP (Extraction) - Semi-Volatile Organic, Lab Test		181.79	
	Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.			
02 65 00 00-0017	EA Metals 6010 RCRA, Lab Test		203.60	
	Note: The cost is for the in-lab test for metals using procedure 6010 RCRA as detailed in EPA SW-846.			
02 65 00 00-0018	EA Metals (Arsenic) 7060, Lab Test		27.27	
	Note: The cost is for the in-lab test for the metal arsenic using procedure 7060 as detailed in EPA SW-846.			
02 65 00 00-0019	EA Metals (Selenium) 7740, Lab Test		27.27	
	Note: The cost is for the in-lab test for the metal selenium (SE) using procedure 7740 as detailed in EPA SW-846.			

**02 Existing Conditions****02 60 Contaminated Site Material Removal****02 65 Underground Storage Tank Removal**
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02 65 00 00-0020	EA	Metals (Lead) 7421, Lab Test ..... Note: The cost is for the in-lab test for the metal lead using procedure 7421 as detailed in EPA SW-846.	27.27
02 65 00 00-0021	EA	Metals (Mercury) 7470, Lab Test ..... Note: The cost is for the in-lab test for the metal mercury using procedure 7470 as detailed in EPA SW-846.	50.90
02 65 00 00-0022	EA	PNA/PAH 8100, Lab Test ..... Note: The cost is for the in-lab test for polynuclear aromatic hydrocarbons using procedure 8100 as detailed in EPA SW-846.	290.86
02 65 00 00-0023	EA	Fuel Id ASTM D3328-78, Lab Test ..... Note: The cost is for the in-lab test to determine the constituents of fuel using the procedure as detailed in ASTM D3328-78.	105.23
02 65 00 00-0024	EA	pH, Lab Test .....	21.81
02 65 00 00-0025	EA	Lab Test - Polychlorinated Biphenyl (PCB) In Wastewater .....	272.68
02 65 00 00-0026	EA	Methyl Tertiary Butyl Ether (MTBE), Lab Test .....	163.61
<b>02 65 00 00-0027</b>		<b>Tests, Surveys And Maintenance For Underground Storage Tank (02 65 00 00-0001)</b>	
02 65 00 00-0028	EA	Site Survey For AST/UST Location By Certified Tank Installer ..... Note: Includes testing Pump output both tank and dispenser, Calibrate pump dispenser if needed, Check all sumps both tank and dispenser, check all fitting connections for leaks and check wiring connection for possible malfunction or safety hazard, check seals on caps for fill tube, check overfill performance for safety shutdown, check all hoses and pump handle, check break-away couplings, complete written report on all data found.	1,061.68
02 65 00 00-0029	EA	Check Cathodic Protection - Impressed Current Systems And Sacrificial Anode Systems ..... Note: By Certified Technician. Write report of findings for action if needed	176.76
02 65 00 00-0030	EA	Check And Report On Monitor Probes..... Note: By Certified Technician	41.26
02 65 00 00-0031	EA	Tank Monitoring System: Check System Per Manufacturer's Specification By Certified Technician With Written Report..... Note: Including pass / fail; paper feed operational paper installed etc.; and status of inspection repairs needed etc.	294.70
02 65 00 00-0032	EA	Removal And Replacement Of Anode On Impressed System.....	136.28
02 65 00 00-0033	EA	Removal And Replacement Of Power Converter On Impressed System On Underground Storage Tank .....	196.22
02 65 00 00-0034	EA	Removal And Replacement Of Monitor Probes On Underground Storage Tank .....	284.67
02 65 00 00-0035	EA	Ultrasonic Test On Underground Storage Tank.....	108.78
<b>02 65 00 00-0036</b>		<b>Tests And Sampling Labor Hours (02 65 00 00-0001)</b>	
02 65 00 00-0037	HR	Certified Tank Installer For Underground Storage Tank .....	107.58
02 65 00 00-0038	HR	Certified Geologist/Environmentalist .....	118.02
02 65 00 00-0039	HR	Hourly Office Work For Reports Required For EPA On Underground Storage Tank .....	125.07
		Note: Includes title searches, well survey data, site drawings, submitting preliminary work, etc. Hours not to be used in association with other tasks performed.	
<b>02 65 00 00-0040</b>		<b>Remove Tank Contents (02 65)</b>	
<b>02 65 00 00-0041</b>		<b>Transfer Liquid (02 65 00 00-0040)</b>	
		Note: For use to transfer liquids from one tank to another.	
02 65 00 00-0042	GAL	Transfer Reusable Liquid To Different Tank .....	0.71
		Note: Per gallon of material transferred.	
<b>02 65 00 00-0043</b>		<b>Remove And Dispose Of Liquid From Tank (02 65 00 00-0040)</b>	
02 65 00 00-0044	GAL	Removal and Disposal Of Hazardous Liquids From Tank .....	1.67
02 65 00 00-0045	GAL	Removal and Disposal Of Non Hazardous Liquid From Tank.....	0.74
<b>02 65 00 00-0046</b>		<b>Remove And Dispose Of Solids Or Sludge (02 65 00 00-0040)</b>	
		Note: Includes scraping and solidifying agent.	
02 65 00 00-0047	GAL	Removal and Disposal Of Hazardous Solids Or Sludge From Tank .....	5.93
02 65 00 00-0048	GAL	Removal and Disposal Of Non Hazardous Solids Or Sludge From Tank .....	1.34
<b>02 65 00 00-0049</b>		<b>Purge Vapors, Open And Clean Tank (02 65)</b>	
<b>02 65 00 00-0050</b>		<b>Purge Vapors (02 65 00 00-0049)</b>	
02 65 00 00-0051	LB	Purge Tank Using Dry Ice..... Note: Approximately 1.5 To 3.0 LBS of dry ice per 100 Gals of tank volume.	3.81
<b>02 65 00 00-0052</b>		<b>High Pressure Water Wash And Rinse Of Tank Interior (02 65 00 00-0049)</b>	
		Note: Includes removal and disposal of rinse water.	
02 65 00 00-0053	EA	Up To 275 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior .....	315.74
02 65 00 00-0054	EA	>275 To 550 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	414.02
02 65 00 00-0055	EA	>550 To 1,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior .....	536.88
02 65 00 00-0056	EA	>1,000 To 2,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	725.80
02 65 00 00-0057	EA	>2,000 To 5,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	1,405.65
02 65 00 00-0058	EA	>5,000 To 6,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	1,690.27
02 65 00 00-0059	EA	>6,000 To 8,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	1,937.63
02 65 00 00-0060	EA	>8,000 To 10,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	2,341.58
02 65 00 00-0061	EA	>10,000 To 15,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	3,016.54
02 65 00 00-0062	EA	>15,000 To 20,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	3,626.82
02 65 00 00-0063	EA	>20,000 To 30,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	4,595.08
02 65 00 00-0064	EA	>30,000 To 40,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	5,662.21
02 65 00 00-0065	EA	>40,000 To 50,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	6,933.22

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>02 65 00 00-0066</b>			<b>Scrape Clean Tank Exterior</b> (02 65 00 00-0049)		
02 65 00 00-0067	EA		Up To 275 Gallon Tank, Scrape Clean Tank Exterior.....	221.25	
02 65 00 00-0068	EA		>275 To 550 Gallon Tank, Scrape Clean Tank Exterior.....	294.63	
02 65 00 00-0069	EA		>550 To 1,000 Gallon Tank, Scrape Clean Tank Exterior.....	386.05	
02 65 00 00-0070	EA		>1,000 To 2,000 Gallon Tank, Scrape Clean Tank Exterior.....	534.62	
02 65 00 00-0071	EA		>2,000 To 5,000 Gallon Tank, Scrape Clean Tank Exterior.....	1,183.92	
02 65 00 00-0072	EA		>5,000 To 6,000 Gallon Tank, Scrape Clean Tank Exterior.....	1,499.08	
02 65 00 00-0073	EA		>6,000 To 8,000 Gallon Tank, Scrape Clean Tank Exterior.....	1,754.19	
02 65 00 00-0074	EA		>8,000 To 10,000 Gallon Tank, Scrape Clean Tank Exterior.....	2,205.27	
02 65 00 00-0075	EA		>10,000 To 15,000 Gallon Tank, Scrape Clean Tank Exterior.....	2,866.31	
02 65 00 00-0076	EA		>15,000 To 20,000 Gallon Tank, Scrape Clean Tank Exterior.....	3,597.80	
02 65 00 00-0077	EA		>20,000 To 30,000 Gallon Tank, Scrape Clean Tank Exterior.....	4,684.63	
02 65 00 00-0078	EA		>30,000 To 40,000 Gallon Tank, Scrape Clean Tank Exterior.....	5,621.55	
02 65 00 00-0079	EA		>40,000 To 50,000 Gallon Tank, Scrape Clean Tank Exterior.....	7,026.94	

<b>02 65 00 00-0080</b>			<b>Tank And Piping Removal</b> (02 65)		
Note: Excludes excavation.					
<b>02 65 00 00-0081</b>			<b>Removal And Disposal Of Piping</b> (02 65 00 00-0080)		
Note: Includes removal, inspection, loading, transporting pipe to disposal facility or transfer station within 15 miles and disposal fees.					
02 65 00 00-0082	LF		Up To 4", Removal And Disposal Of Piping.....	17.90	
02 65 00 00-0083	LF		>4" To 8", Removal And Disposal Of Piping.....	23.86	

<b>02 65 00 00-0084</b>			<b>Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement</b> (02 65 00 00-0080)		
Note: Excludes excavation or backfill.					
02 65 00 00-0085	EA		Up To 275 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	619.79	
02 65 00 00-0086	EA		>275 To 550 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	752.60	
02 65 00 00-0087	EA		>550 To 1,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	885.42	
02 65 00 00-0088	EA		>1,000 To 2,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	1,106.78	
02 65 00 00-0089	EA		>2,000 To 5,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	1,549.47	
02 65 00 00-0090	EA		>5,000 To 6,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	1,947.91	
02 65 00 00-0091	EA		>6,000 To 8,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	2,213.54	
02 65 00 00-0092	EA		>8,000 To 10,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	2,656.25	
02 65 00 00-0093	EA		>10,000 To 15,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	3,541.66	
02 65 00 00-0094	EA		>15,000 To 20,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	4,245.66	
02 65 00 00-0095	EA		>20,000 To 30,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	4,975.04	
02 65 00 00-0096	EA		>30,000 To 40,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	5,820.37	
02 65 00 00-0097	EA		>40,000 To 50,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	7,275.46	

<b>02 65 00 00-0098</b>			<b>Cut Tank Into Sections That Can Easily Be Transported And Disposed Of When Necessary</b> (02 65 00 00-0080)		
Note: Includes 1 lengthwise at every 4' on-center height wise.					
02 65 00 00-0099	EA		>1,000 To 2,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of.....	790.91	
02 65 00 00-0100	EA		>2,000 To 5,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of.....	1,474.94	
02 65 00 00-0101	EA		>5,000 To 6,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of.....	1,774.21	
02 65 00 00-0102	EA		>6,000 To 8,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of.....	1,977.27	
02 65 00 00-0103	EA		>8,000 To 10,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of.....	2,372.73	
02 65 00 00-0104	EA		>10,000 To 15,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of.....	2,949.87	
02 65 00 00-0105	EA		>15,000 To 20,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of.....	3,548.40	
02 65 00 00-0106	EA		>20,000 To 30,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of.....	4,435.50	
02 65 00 00-0107	EA		>30,000 To 40,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of.....	5,544.39	
02 65 00 00-0108	EA		>40,000 To 50,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of.....	6,930.47	

<b>02 65 00 00-0109</b>			<b>Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station</b> (02 65 00 00-0080)		
Note: Includes disposal fee.					
02 65 00 00-0110	EA		Up To 275 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	274.64	
For Each Additional Mile >15 Miles, Add				4.19	
02 65 00 00-0111	EA		>275 To 550 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	372.26	
For Each Additional Mile >15 Miles, Add				5.29	
02 65 00 00-0112	EA		>550 To 1,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	585.17	
For Each Additional Mile >15 Miles, Add				7.94	
02 65 00 00-0113	EA		>1,000 To 2,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	905.78	
For Each Additional Mile >15 Miles, Add				9.26	
02 65 00 00-0114	EA		>2,000 To 5,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	1,598.47	
For Each Additional Mile >15 Miles, Add				16.31	
02 65 00 00-0115	EA		>5,000 To 6,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	1,651.37	
For Each Additional Mile >15 Miles, Add				17.64	
02 65 00 00-0116	EA		>6,000 To 8,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	1,739.57	
For Each Additional Mile >15 Miles, Add				19.84	
02 65 00 00-0117	EA		>8,000 To 10,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	2,521.69	
For Each Additional Mile >15 Miles, Add				26.46	
02 65 00 00-0118	EA		>10,000 To 15,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	3,461.29	
For Each Additional Mile >15 Miles, Add				39.68	
02 65 00 00-0119	EA		>15,000 To 20,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	4,048.14	
For Each Additional Mile >15 Miles, Add				44.09	
02 65 00 00-0120	EA		>20,000 To 30,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	5,007.66	
For Each Additional Mile >15 Miles, Add				52.91	

**02 Existing Conditions****02 60 Contaminated Site Material Removal****02 65 Underground Storage Tank Removal**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

02 65 00 00-0121	EA	>30,000 To 40,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	7,001.51
		<i>For Each Additional Mile &gt;15 Miles, Add</i>	63.49
02 65 00 00-0122	EA	>40,000 To 50,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	8,453.29
		<i>For Each Additional Mile &gt;15 Miles, Add</i>	73.02

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

02 65 00 00-0124	GAL	Removal Of Cement Lining.....	0.53
02 65 00 00-0125	GAL	Sandblast Tank In Prep For Lining Or Welding; Remove Sand, Vacuum Walls And Seams.....	0.19
02 65 00 00-0126	GAL	Install Epoxy For Interior Corrosion Protection .....	1.09

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

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

02 65 00 00-0128	EA	Prepare Tank Closure Report.....	3,838.00
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**02 65 00 00-0129 Temporary Tanks (02 65)****02 65 00 00-0130 Temporary Holding Tanks (02 65 00 00-0129)****02 65 00 00-0131 Above Ground Temporary Holding Tanks, Monthly Rental (02 65 00 00-0130)**

02 65 00 00-0132	MO	550 Gallon, Stainless Steel, DOT Approved, Above Ground Temporary Holding Tanks, Monthly Rental .....	756.45
02 65 00 00-0133	MO	630 Gallon, Polyethylene, DOT Approved, Above Ground Temporary Holding Tanks, Monthly Rental .....	756.45
02 65 00 00-0134	MO	630 Gallon, Polyethylene, Stackable, Above Ground Temporary Holding Tanks, Monthly Rental .....	1,512.91
02 65 00 00-0135	MO	4,000 Gallon, Polyethylene, Stackable, Above Ground Temporary Holding Tanks, Monthly Rental .....	1,134.68
02 65 00 00-0136	MO	4,000 Gallon, Polyethylene, Trailer Mounted, Above Ground Temporary Holding Tanks, Monthly Rental .....	2,647.59
02 65 00 00-0137	MO	6,000 Gallon, Polyethylene, Total Drain, Above Ground Temporary Holding Tanks, Monthly Rental.....	1,891.13
02 65 00 00-0138	MO	21,000 Gallon (500 BBL), Steel, Open, Stationary, Above Ground Temporary Holding Tanks, Monthly Rental.....	4,290.76
02 65 00 00-0139	MO	21,000 Gallon (500 BBL), Steel, Closed, Stationary, Above Ground Temporary Holding Tanks, Monthly Rental .....	5,142.10
02 65 00 00-0140	MO	21,000 Gallon (500 BBL), Steel, Vapor Proof, Above Ground Temporary Holding Tanks, Monthly Rental .....	8,683.68

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

02 65 00 00-0142	MO	Secondary Containment Berm Monthly Rental .....	1,638.98
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**02 80 Facility Remediation (02)****02 81 Transportation and Disposal of Hazardous Materials (02 80)****02 81 00 00-0001 Equipment Oil Drain And Disposal (02 81)**

02 81 00 00-0002	TRIP	Drain Oil Filled Equipment, Place In Approved Container And Transport To Disposal Site.....	532.24
		Note: Excludes Disposal Cost.	
02 81 00 00-0003	DRM	Disposal Of Non-Polychlorinated Biphenyl (PCB) Oil In Normal Landfill, Per Partial Or Full 55-Gallon Drum.....	83.64
		Note: Excludes draining, placing in approved container, and transporting to disposal site.	
02 81 00 00-0004	DRM	Disposal Of Non-Toxic Polychlorinated Biphenyl (PCB) Oil Into A Lined Landfill, Per Partial Or Full 55-Gallon Drum.....	380.18
		Note: Excludes draining, placing in approved container, and transporting to disposal site.	
02 81 00 00-0005	DRM	Disposal Of Toxic Polychlorinated Biphenyl (PCB) Oil By Incineration, Per Partial Or Full 55-Gallon Drum .....	684.32
		Note: Excludes draining, placing in approved container, and transporting to disposal site.	
02 81 00 00-0006	CF	Hazardous Polychlorinated Biphenyl (PCB) Oil Filled Equipment Disposal At Approved Site .....	91.10
		Note: Includes handling of equipment and disposal at approved site. Excludes draining of PCB contaminated oil prior to disposal.	

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

See CSI section 01 56 16 00-0035 for temporary stud walls, 01 74 19 00-0039 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0003 for plastic sheeting for containment construction, 02 89 00 00-0015 for decontamination chambers.

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

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

02 82 13 00-0002	HR	Certified Asbestos Air Sampling Technician For Bulk Sampling Or Air Monitoring .....	72.93
02 82 13 00-0003	EA	48 Hours Or Longer Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing .....	49.42
02 82 13 00-0004	EA	Next Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing .....	57.94
02 82 13 00-0005	EA	Same Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing .....	92.02
02 82 13 00-0006	EA	48 Hours Or Longer Turnaround, (Bulk) TEM Test, Asbestos Testing.....	158.48
02 82 13 00-0007	EA	Next Day Turnaround, (Bulk) TEM Test, Asbestos Testing .....	192.56
02 82 13 00-0008	EA	48 Hours Or Longer Turnaround, (Air) PCM Test, Asbestos Testing.....	39.19
02 82 13 00-0009	EA	Next Day Turnaround, (Air) PCM Test, Asbestos Testing.....	47.71
02 82 13 00-0010	EA	Same Day Turnaround, (Air) PCM Test, Asbestos Testing.....	64.76
02 82 13 00-0011	EA	48 Hours Or Longer Turnaround, (Air Point Counting) PLM Test .....	49.42
02 82 13 00-0012	EA	Next Day Turnaround, (Air Point Counting) PLM Test .....	57.94
02 82 13 00-0013	EA	Same Day Turnaround, (Air Point Counting) PLM Test .....	92.02
02 82 13 00-0014	EA	48 Hours Or Longer Turnaround, (Air) TEM Test, Asbestos Testing .....	158.48
02 82 13 00-0015	EA	Next Day Turnaround, (Air) TEM Test, Asbestos Testing .....	182.34
02 82 13 00-0016	EA	Same Day Turnaround, (Air) TEM Test, Asbestos Testing .....	253.91

**02 82 16 Engineering Control of Asbestos Containing Materials (02 82)****02 82 16 00-0001 Asbestos Encapsulation (Lock-Down) (02 82 16)**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 82 16 00-0002	SF		Asbestos Encapsulant Spray Adhesive (Lock-Down), Per Coat .....	1.44	
02 82 16 00-0003	SF		Asbestos Binding Compound Encapsulant/Sealant, Per Coat Required (Fiberlock® ABC® Asbestos Binding Compound).....	1.96	
02 82 16 00-0004	SF		Asbestos Fiberspray Encapsulation (Fiberlock® ABC Fiberspray®) .....	2.09	
02 82 16 00-0005	SF		Asbestos Acrylic Encasement/Encapsulation (Fiberlock® Lag-Kote®) .....	2.30	
02 82 16 00-0006	SF		Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kwik®).....	6.94	
02 82 16 00-0007	SF		Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kloth®) .....	7.84	

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

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

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

**02 82 33 00-0002 Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0001)**

Note: Diameter is outer size of insulation. Treat fittings as additional linear feet of insulation.

**02 82 33 00-0003 Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0002)**

See CSI section 02 82 33 00-0017 for projects with less than 10 LF.

02 82 33 00-0004	SET	>10 To 25 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal .....	927.75	
		<i>For Work In Restricted Working Space, Add</i>	273.71	
02 82 33 00-0005	LF	>25 To 250 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal .....	31.88	
		<i>For Work In Restricted Working Space, Add</i>	9.33	
02 82 33 00-0006	LF	>250 To 500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal .....	24.10	
		<i>For Work In Restricted Working Space, Add</i>	7.00	
02 82 33 00-0007	LF	>500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal .....	18.27	
		<i>For Work In Restricted Working Space, Add</i>	5.25	
02 82 33 00-0008	LF	>2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal .....	13.89	
		<i>For Work In Restricted Working Space, Add</i>	3.94	
02 82 33 00-0009	LF	>10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	12.18	
		<i>For Work In Restricted Working Space, Add</i>	3.42	

**02 82 33 00-0010 >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0002)**

See CSI section 02 82 33 00-0017 for projects with less than 10 LF.

02 82 33 00-0011	SET	>10 To 25 LF, >6" Diameter Pipe Insulation, Asbestos Abatement And Disposal .....	943.12	
		<i>For Work In Restricted Working Space, Add</i>	273.71	
02 82 33 00-0012	LF	>25 To 250 LF, >6" Diameter Pipe Insulation, Asbestos Abatement And Disposal .....	37.32	
		<i>For Work In Restricted Working Space, Add</i>	10.73	
02 82 33 00-0013	LF	>250 To 500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	28.37	
		<i>For Work In Restricted Working Space, Add</i>	8.05	
02 82 33 00-0014	LF	>500 To 2,500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	21.66	
		<i>For Work In Restricted Working Space, Add</i>	6.04	
02 82 33 00-0015	LF	>2,500 To 10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	16.62	
		<i>For Work In Restricted Working Space, Add</i>	4.52	
02 82 33 00-0016	LF	>10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	14.66	
		<i>For Work In Restricted Working Space, Add</i>	3.94	

**02 82 33 00-0017 Glove Bag Method, Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0002)**

Note: Solid isolation barriers and plastic sheeting for containment construction (except on floor) are not required for glove bag projects unless required by local codes.

02 82 33 00-0018	SET	Glove Bag For First 3 LF Pipe Insulation, Asbestos Abatement And Disposal .....	587.99	
		<i>For Work In Restricted Working Space, Add</i>	175.01	
02 82 33 00-0019	LF	>3 To 20 LF Additional Glove Bag Work For Pipe Insulation.....	98.77	
		<i>For Work In Restricted Working Space, Add</i>	29.17	
02 82 33 00-0020	LF	>20 To 250 LF Additional Glove Bag Work For Pipe Insulation.....	39.29	
		<i>For Work In Restricted Working Space, Add</i>	11.33	
02 82 33 00-0021	LF	>250 To 500 LF Additional Glove Bag Work For Pipe Insulation .....	29.84	
		<i>For Work In Restricted Working Space, Add</i>	8.49	
02 82 33 00-0022	LF	>500 LF Additional Glove Bag Work For Pipe Insulation .....	22.76	
		<i>For Work In Restricted Working Space, Add</i>	6.37	

**02 82 33 00-0023 Thermal Insulation, Asbestos Abatement And Disposal (02 82 33)**

**02 82 33 00-0024 Other Thermal Insulation, Up To 3" Thickness, Asbestos Abatement And Disposal (02 82 33 00-0023)**

Note: e.g., duct, boiler, tank, etc.

02 82 33 00-0025	SET	Up To 20 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	921.99	
02 82 33 00-0026	SF	>20 To 500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal .....	31.49	
02 82 33 00-0027	SF	>500 To 2,500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	24.88	
02 82 33 00-0028	SF	>2,500 To 10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	18.75	
02 82 33 00-0029	SF	>10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	14.15	

**02 82 33 00-0030 Surfacing Material, Asbestos Abatement And Disposal (02 82 33)**

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

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

02 82 33 00-0031	Fireproofing For Small Areas, Asbestos Abatement And Disposal (02 82 33 00-0030) Note: For asbestos abatement for up to 1 SF sections to expose area for attachments. See CSI section 02 82 33 00-0033 for areas > 1 SF see CSI section.		
02 82 33 00-0032	EA Up To 1 SF, Fireproofing For Small Areas, Asbestos Abatement And Disposal..... Note: For asbestos abatement for up to 1 SF sections to expose steel area for welding attachments.	152.44	
02 82 33 00-0033	Fireproofing, Asbestos Abatement And Disposal (02 82 33 00-0030) Note: Exposed surface area, includes associated overspray.		
02 82 33 00-0034	SET Up To 20 SF, Fireproofing, Asbestos Abatement And Disposal .....	921.99	
02 82 33 00-0035	SF >20 To 500 SF, Fireproofing, Asbestos Abatement And Disposal .....	37.69	
02 82 33 00-0036	SF >500 To 2,500 SF, Fireproofing, Asbestos Abatement And Disposal .....	28.36	
02 82 33 00-0037	SF >2,500 To 10,000 SF, Fireproofing, Asbestos Abatement And Disposal .....	21.36	
02 82 33 00-0038	SF >10,000 SF, Fireproofing, Asbestos Abatement And Disposal .....	16.11	
02 82 33 00-0039	Acoustical Plaster, Asbestos Abatement And Disposal (02 82 33 00-0030) Note: Remove surface coat from brown coat or remove entire assembly, including lathe and finish materials.		
02 82 33 00-0040	SET Up To 20 SF, Acoustical Plaster, Asbestos Abatement And Disposal .....	918.78	
02 82 33 00-0041	SF >20 To 500 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	15.85	
02 82 33 00-0042	SF >500 To 2,500 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	12.04	
02 82 33 00-0043	SF >2,500 To 10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	9.00	
02 82 33 00-0044	SF >10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	6.73	
02 82 33 00-0045	Gypsum Wall Board, Asbestos Abatement And Disposal (02 82 33 00-0030)		
02 82 33 00-0046	SET Up To 20 SF, Gypsum Wall Board, Asbestos Abatement And Disposal..... For Additional Layer, Add	925.19 250.90	
02 82 33 00-0047	SF >20 To 500 SF, Gypsum Wall Board, Asbestos Abatement And Disposal .....	12.24	
	For Additional Layer, Add	3.29	
02 82 33 00-0048	SF >500 To 2,500 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal .....	9.00	
	For Additional Layer, Add	2.40	
02 82 33 00-0049	SF >2,500 To 10,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal.....	7.10	
	For Additional Layer, Add	1.88	
02 82 33 00-0050	SF >10,000 To 50,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal.....	5.58	
	For Additional Layer, Add	1.46	
02 82 33 00-0051	SF >50,000 To 100,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal.....	4.44	
	For Additional Layer, Add	1.15	
02 82 33 00-0052	SF >100,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal.....	3.60	
	For Additional Layer, Add	0.92	
02 82 33 00-0053	Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal (02 82 33 00-0030)		
02 82 33 00-0054	SET Up To 25 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal.....	918.78	
02 82 33 00-0055	SF >25 To 500 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal.....	22.99	
02 82 33 00-0056	SF >500 To 2,500 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal .....	16.91	
02 82 33 00-0057	SF >2,500 To 10,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal .....	13.26	
02 82 33 00-0058	SF >10,000 To 50,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal .....	10.37	
02 82 33 00-0059	SF >50,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal.....	7.48	
02 82 33 00-0060	Stucco, Asbestos Abatement And Disposal (02 82 33 00-0030)		
02 82 33 00-0061	SET Up To 20 SF, Stucco, Asbestos Abatement And Disposal .....	925.19	
02 82 33 00-0062	SF >20 To 500 SF, Stucco, Asbestos Abatement And Disposal .....	26.70	
02 82 33 00-0063	SF >500 To 2,500 SF, Stucco, Asbestos Abatement And Disposal .....	20.09	
02 82 33 00-0064	SF >2,500 To 10,000 SF, Stucco, Asbestos Abatement And Disposal .....	15.13	
02 82 33 00-0065	SF >10,000 SF, Stucco, Asbestos Abatement And Disposal .....	11.41	
02 82 33 00-0066	Spray On Acoustical Ceiling, Asbestos Abatement And Disposal (02 82 33 00-0030)		
02 82 33 00-0067	SET Up To 50 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal .....	925.19	
02 82 33 00-0068	SF >50 To 500 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal .....	10.40	
02 82 33 00-0069	SF >500 To 2,500 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal.....	8.11	
02 82 33 00-0070	SF >2,500 To 10,000 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal .....	5.97	
02 82 33 00-0071	SF >10,000 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal.....	4.53	
02 82 33 00-0072	Flooring Material, Asbestos Abatement And Disposal (02 82 33)		
02 82 33 00-0073	Floor Tile, Linoleum, Carpet Or Base, Asbestos Abatement And Disposal (02 82 33 00-0072)		
02 82 33 00-0074	Floor Tile, Asbestos Abatement And Disposal (02 82 33 00-0073) Note: Single layer or first of multiple layers. Excludes mastic.		
02 82 33 00-0075	SET Up To 100 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal .....	914.94	
	For Each Additional Layer, Add	137.24	
02 82 33 00-0076	SF >100 To 500 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal.....	6.48	
	For Each Additional Layer, Add	0.97	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 82 33 00-0077	SF		>500 To 2,500 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal..... <i>For Each Additional Layer, Add</i>	5.31	0.80
02 82 33 00-0078	SF		>2,500 To 10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal..... <i>For Each Additional Layer, Add</i>	4.26	0.64
02 82 33 00-0079	SF		>10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal..... <i>For Each Additional Layer, Add</i>	2.96	0.44
<b>02 82 33 00-0080</b>			<b>Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal</b> (02 82 33 00-0073) Note: Single layer or first of multiple layers. Excludes mastic.		
02 82 33 00-0081	SET		Up To 100 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal..... <i>For Each Additional Layer, Add</i>	914.94	137.24
02 82 33 00-0082	SF		>100 To 500 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal..... <i>For Each Additional Layer, Add</i>	6.48	0.97
02 82 33 00-0083	SF		>500 To 2,500 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal..... <i>For Each Additional Layer, Add</i>	5.33	0.80
02 82 33 00-0084	SF		>2,500 To 10,000 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal..... <i>For Each Additional Layer, Add</i>	4.84	0.73
02 82 33 00-0085	SF		>10,000 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal..... <i>For Each Additional Layer, Add</i>	3.93	0.59
<b>02 82 33 00-0086</b>			<b>Carpet, Asbestos Abatement And Disposal</b> (02 82 33 00-0073)		
02 82 33 00-0087	SET		Up To 100 SF, Non-Friable Carpet, Asbestos Abatement And Disposal .....	914.94	
02 82 33 00-0088	SF		>100 To 500 SF, Non-Friable Carpet, Asbestos Abatement And Disposal.....	5.04	
02 82 33 00-0089	SF		>500 To 2,500 SF, Non-Friable Carpet, Asbestos Abatement And Disposal.....	4.10	
02 82 33 00-0090	SF		>2,500 To 10,000 SF, Non-Friable Carpet, Asbestos Abatement And Disposal.....	3.01	
02 82 33 00-0091	SF		>10,000 SF, Non-Friable Carpet, Asbestos Abatement And Disposal.....	2.30	
<b>02 82 33 00-0092</b>			<b>Wall Or Cove Base, Asbestos Abatement And Disposal</b> (02 82 33 00-0073) Note: Up to 12'.		
02 82 33 00-0093	SET		Up To 50 LF, Wall Base And Mastic, Asbestos Abatement And Disposal .....	307.33	
02 82 33 00-0094	LF		>50 To 100 LF, Wall Base And Mastic, Asbestos Abatement And Disposal.....	4.18	
02 82 33 00-0095	LF		>100 To 500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal.....	2.56	
02 82 33 00-0096	LF		>500 To 2,500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal.....	1.65	
02 82 33 00-0097	LF		>2,500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal.....	1.20	
<b>02 82 33 00-0098</b>			<b>Mastic, Asbestos Abatement And Disposal</b> (02 82 33 00-0072) Note: Applies to single layer or bottom layer only of multiple layers. Non hydrocarbon with pine, citrus or no odor.		
02 82 33 00-0099	SET		Up To 200 SF, Mastic, Asbestos Abatement And Disposal .....	918.79	
02 82 33 00-0100	SF		>200 To 500 SF, Mastic, Asbestos Abatement And Disposal..... Note: Applies to bottom layer only if multiple layers.	2.34	
02 82 33 00-0101	SF		>500 To 2,500 SF, Mastic, Asbestos Abatement And Disposal..... Note: Applies to bottom layer only if multiple layers.	1.73	
02 82 33 00-0102	SF		>2,500 To 10,000 SF, Mastic, Asbestos Abatement And Disposal..... Note: Applies to bottom layer only if multiple layers.	1.34	
02 82 33 00-0103	SF		>10,000 SF, Mastic, Asbestos Abatement And Disposal..... Note: Applies to bottom layer only if multiple layers.	1.08	
<b>02 82 33 00-0104</b>			<b>Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal</b> (02 82 33 00-0072) Note: Includes finish wood, asbestos barrier paper, cleanup of sub-wood floor, fasteners, wood fillers and protection of clean crawl space from contamination.		
02 82 33 00-0105	SET		Up To 100 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	938.00	
02 82 33 00-0106	SF		>100 To 500 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	7.45	
02 82 33 00-0107	SF		>500 To 2,500 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	5.51	
02 82 33 00-0108	SF		>2,500 To 10,000 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal .....	4.36	
02 82 33 00-0109	SF		>10,000 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	3.45	
<b>02 82 33 00-0110</b>			<b>Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal</b> (02 82 33 00-0072)		
02 82 33 00-0111	SET		Up To 100 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal .....	925.18	
02 82 33 00-0112	SF		>100 To 500 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal.....	8.26	
02 82 33 00-0113	SF		>500 To 2,500 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal..... Note: Includes detachment of mounted objects before removal.	5.45	
02 82 33 00-0114	SF		>2,500 To 10,000 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal.....	4.31	
02 82 33 00-0115	SF		>10,000 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal.....	3.55	
<b>02 82 33 00-0116</b>			<b>Roofing, Asbestos Abatement And Disposal</b> (02 82 33)		
<b>02 82 33 00-0117</b>			<b>Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal</b> (02 82 33 00-0116) Note: Includes roofing, flashing, sheet metal, insulation, pitch pockets, board etc.		

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

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

02 82 33 00-0118	Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal <small>(02 82 33 00-0117)</small>	
02 82 33 00-0119	SET Up To 125 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	944.40
02 82 33 00-0120	SF >125 To 1,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	6.10
02 82 33 00-0121	SF >1,000 To 5,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	4.93
02 82 33 00-0122	SF >5,000 To 10,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	3.99
02 82 33 00-0123	SF >10,000 To 20,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	3.06
02 82 33 00-0124	SF >20,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	2.36
02 82 33 00-0125	>2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal <small>(02 82 33 00-0117)</small>	
02 82 33 00-0126	SET Up To 110 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	968.73
02 82 33 00-0127	SF >110 To 1,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	7.15
02 82 33 00-0128	SF >1,000 To 5,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	5.80
02 82 33 00-0129	SF >5,000 To 10,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	4.78
02 82 33 00-0130	SF >10,000 To 20,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	3.70
02 82 33 00-0131	SF >20,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	2.89
02 82 33 00-0132	>5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal <small>(02 82 33 00-0117)</small>	
02 82 33 00-0133	SET Up To 110 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	996.91
02 82 33 00-0134	SF >110 To 1,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	8.14
02 82 33 00-0135	SF >1,000 To 5,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	6.65
02 82 33 00-0136	SF >5,000 To 10,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	5.51
02 82 33 00-0137	SF >10,000 To 20,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	4.32
02 82 33 00-0138	SF >20,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	3.43
02 82 33 00-0139	Shingles And Felt Roofing, Asbestos Abatement And Disposal <small>(02 82 33 00-0116)</small>	
02 82 33 00-0140	Shingles And Felt Roofing, Asbestos Abatement And Disposal <small>(02 82 33 00-0139)</small>	
02 82 33 00-0141	SET Up To 125 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal.....	920.38
	Note: Single or first of multiple layers.	
02 82 33 00-0142	SF >125 To 1,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal.....	5.90
	Note: Single or first of multiple layers.	
	For Each Additional Layer, Add	1.18
02 82 33 00-0143	SF >1,000 To 5,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal.....	4.73
	Note: Single or first of multiple layers.	
	For Each Additional Layer, Add	0.95
02 82 33 00-0144	SF >5,000 To 10,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal.....	3.79
	Note: Single or first of multiple layers.	
	For Each Additional Layer, Add	0.76
02 82 33 00-0145	SF >10,000 To 20,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal.....	2.86
	Note: Single or first of multiple layers.	
	For Each Additional Layer, Add	0.57
02 82 33 00-0146	SF >20,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal.....	2.16
	Note: Single or first of multiple layers.	
	For Each Additional Layer, Add	0.43
02 82 33 00-0147	Roof Penetration Mastic, Asbestos Abatement And Disposal <small>(02 82 33 00-0116)</small>	
02 82 33 00-0148	SET Up To 10 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal.....	304.77
02 82 33 00-0149	SF >10 To 50 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal.....	2.34
02 82 33 00-0150	SF >50 To 100 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal.....	1.93
02 82 33 00-0151	SF >100 To 250 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal.....	1.56
02 82 33 00-0152	SF >250 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal.....	1.16
02 82 33 00-0153	Roof Curb Mastic, Asbestos Abatement And Disposal <small>(02 82 33 00-0116)</small>	
02 82 33 00-0154	SET Up To 10 LF, Roof Curb Mastic, Asbestos Abatement And Disposal.....	304.77
02 82 33 00-0155	LF >10 To 20 LF, Roof Curb Mastic, Asbestos Abatement And Disposal.....	6.90
02 82 33 00-0156	LF >20 To 50 LF, Roof Curb Mastic, Asbestos Abatement And Disposal.....	5.54
02 82 33 00-0157	LF >50 To 150 LF, Roof Curb Mastic, Asbestos Abatement And Disposal.....	4.62
02 82 33 00-0158	LF >150 LF, Roof Curb Mastic, Asbestos Abatement And Disposal.....	3.35
02 82 33 00-0159	Asbestos-Cement Products, Asbestos Abatement And Disposal <small>(02 82 33)</small>	
02 82 33 00-0160	Interior Asbestos-Cement Board, Asbestos Abatement And Disposal <small>(02 82 33 00-0159)</small>	
	Note: Includes detachment of mounted objects before removal.	
02 82 33 00-0161	SET Up To 100 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	925.18
	Note: Includes detachment of mounted objects before removal.	
02 82 33 00-0162	SF >100 To 500 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	6.35
	Note: Includes detachment of mounted objects before removal.	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0163	SF		>500 To 2,500 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal ..... Note: Includes detachment of mounted objects before removal.	3.24	
02 82 33 00-0164	SF		>2,500 To 10,000 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal ..... Note: Includes detachment of mounted objects before removal.	2.61	
02 82 33 00-0165	SF		>10,000 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal ..... Note: Includes detachment of mounted objects before removal.	2.29	
<b>02 82 33 00-0166</b>			<b>Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal</b> (02 82 33 00-0159)		
02 82 33 00-0167	SET		Up To 100 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal .....	925.18	
02 82 33 00-0168	SF		>100 To 500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal .....	5.53	
02 82 33 00-0169	SF		>500 To 2,500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal .....	2.90	
02 82 33 00-0170	SF		>2,500 To 10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal .....	2.34	
02 82 33 00-0171	SF		>10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal .....	2.06	
<b>02 82 33 00-0172</b>			<b>Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal</b> (02 82 33 00-0159)		
02 82 33 00-0173	SET		Up To 20 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal .....	775.69	
02 82 33 00-0174	LF		>20 To 100 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal .....	32.65	
02 82 33 00-0175	LF		>100 To 250 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal .....	24.87	
02 82 33 00-0176	LF		>250 To 500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal .....	19.04	
02 82 33 00-0177	LF		>500 To 2,500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal .....	14.66	
02 82 33 00-0178	LF		>2,500 To 10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal .....	11.38	
02 82 33 00-0179	LF		>10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal .....	11.15	
<b>02 82 33 00-0180</b>			<b>Exterior Transite Siding, Asbestos Abatement And Disposal</b> (02 82 33 00-0159)		
02 82 33 00-0181	SET		Up To 125 SF, Exterior Transite Siding, Asbestos Abatement And Disposal ..... Note: Single or first of multiple layers.	934.09	
02 82 33 00-0182	SF		>125 To 1,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal ..... Note: Single or first of multiple layers.	4.99	
02 82 33 00-0183	SF		>1,000 To 5,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal ..... Note: Single or first of multiple layers.	4.02	
02 82 33 00-0184	SF		>5,000 To 10,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal ..... Note: Single or first of multiple layers.	3.24	
02 82 33 00-0185	SF		>10,000 To 20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal ..... Note: Single or first of multiple layers.	2.46	
02 82 33 00-0186	SF		>20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal ..... Note: Single or first of multiple layers.	1.88	
<b>02 82 33 00-0187</b>			<b>Asbestos Contaminated Debris, Asbestos Abatement And Disposal</b> (02 82 33)		
<b>02 82 33 00-0188</b>			<b>Asbestos Contaminated Debris, Asbestos Abatement And Disposal</b> (02 82 33 00-0187)		
02 82 33 00-0189	SET		Up To 10 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal ..... <i>For Work In Restricted Working Space, Add</i>	623.62 162.48	
02 82 33 00-0190	CF		>10 To 100 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal ..... <i>For Work In Restricted Working Space, Add</i>	62.02 18.14	
02 82 33 00-0191	CF		>100 To 250 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal ..... <i>For Work In Restricted Working Space, Add</i>	41.86 12.10	
02 82 33 00-0192	CF		>250 To 500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal ..... <i>For Work In Restricted Working Space, Add</i>	31.83 9.09	
02 82 33 00-0193	CF		>500 To 2,500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal ..... <i>For Work In Restricted Working Space, Add</i>	25.73 7.26	
02 82 33 00-0194	CF		>2,500 To 10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal ..... <i>For Work In Restricted Working Space, Add</i>	22.11 6.17	
02 82 33 00-0195	CF		>10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal ..... <i>For Work In Restricted Working Space, Add</i>	20.04 5.55	
<b>02 82 33 00-0196</b>			<b>Other Asbestos Containing Materials, Asbestos Abatement And Disposal</b> (02 82 33)		
<b>02 82 33 00-0197</b>			<b>30" To 36" Fire Door, Asbestos Abatement And Disposal</b> (02 82 33 00-0196)		
02 82 33 00-0198	SET		Up To 1 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal .....	311.05	
02 82 33 00-0199	EA		>1 To 20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal .....	116.41	
02 82 33 00-0200	EA		>20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal .....	105.46	
<b>02 82 33 00-0201</b>			<b>HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal</b> (02 82 33 00-0196)		
02 82 33 00-0202	SET		Up To 25 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal .....	304.45	
02 82 33 00-0203	LF		>25 To 50 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal .....	6.25	
02 82 33 00-0204	LF		>50 To 100 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal .....	4.69	
02 82 33 00-0205	LF		>100 To 250 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal .....	4.05	
02 82 33 00-0206	LF		>250 To 1,000 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal .....	3.48	
02 82 33 00-0207	LF		>1,000 To 2,500 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal .....	2.98	
02 82 33 00-0208	LF		>2,500 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal .....	2.58	
<b>02 82 33 00-0209</b>			<b>Grout, Asbestos Abatement And Disposal</b> (02 82 33 00-0196)		
			Note: e.g. flue grout.		
02 82 33 00-0210	SET		Up To 20 LF, Grout, Asbestos Abatement And Disposal .....	304.34	
02 82 33 00-0211	LF		>20 To 50 LF, Grout, Asbestos Abatement And Disposal .....	12.00	

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

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

02 82 33 00-0212	LF	>50 To 100 LF, Grout, Asbestos Abatement And Disposal.....	8.26
02 82 33 00-0213	LF	>100 To 250 LF, Grout, Asbestos Abatement And Disposal.....	7.08
02 82 33 00-0214	LF	>250 To 1,000 LF, Grout, Asbestos Abatement And Disposal.....	6.08
02 82 33 00-0215	LF	>1,000 To 2,500 LF, Grout, Asbestos Abatement And Disposal.....	5.25
02 82 33 00-0216	LF	>2,500 LF, Grout, Asbestos Abatement And Disposal.....	4.50

**02 82 33 00-0217 Gaskets, Asbestos Abatement And Disposal (02 82 33 00-0196)**

Note: e.g. rope, web cloth, flat.

02 82 33 00-0218	SET	Up To 15 LF, Gaskets, Asbestos Abatement And Disposal.....	304.45
02 82 33 00-0219	LF	>15 To 50 LF, Gaskets, Asbestos Abatement And Disposal.....	16.16
02 82 33 00-0220	LF	>50 To 250 LF, Gaskets, Asbestos Abatement And Disposal.....	12.13
02 82 33 00-0221	LF	>250 To 500 LF, Gaskets, Asbestos Abatement And Disposal.....	10.33
02 82 33 00-0222	LF	>500 To 1,500 LF, Gaskets, Asbestos Abatement And Disposal.....	9.31
02 82 33 00-0223	LF	>1,500 To 2,500 LF, Gaskets, Asbestos Abatement And Disposal.....	8.36
02 82 33 00-0224	LF	>2,500 LF, Gaskets, Asbestos Abatement And Disposal.....	7.96

**02 82 33 00-0225 Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal (02 82 33 00-0196)**

Note: e.g. grid, spline, or glued on.

02 82 33 00-0226	SET	Up To 40 SF, Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal.....	614.65
		Note: Including Glue Removal	
02 82 33 00-0227	SF	>40 To 1,000 SF, Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal.....	13.05
		Note: Including Glue Removal	
02 82 33 00-0228	SF	>1,000 To 2,500 SF, Ceiling Tile, Asbestos Abatement And Disposal.....	6.35
		Note: Including Glue Removal	
02 82 33 00-0229	SF	>2,500 To 10,000 SF, Ceiling Tile, Asbestos Abatement And Disposal.....	4.33
		Note: Including Glue Removal	
02 82 33 00-0230	SF	>10,000 SF, Ceiling Tile, Asbestos Abatement And Disposal.....	3.70
		Note: Including Glue Removal	

**02 82 33 00-0231 Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal (02 82 33 00-0196)**

Note: Includes ceiling tile, asbestos barrier paper, and furring strips.

02 82 33 00-0232	SET	Up To 50 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	611.71
02 82 33 00-0233	SF	>50 To 1,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	13.05
02 82 33 00-0234	SF	>1,000 To 2,500 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	6.35
02 82 33 00-0235	SF	>2,500 To 10,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	4.33
02 82 33 00-0236	SF	>10,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	3.70

**02 82 33 00-0237 Caulking, Asbestos Abatement And Disposal (02 82 33 00-0196)****02 82 33 00-0238 Non Friable Caulking, Asbestos Abatement And Disposal (02 82 33 00-0237)**

02 82 33 00-0239	SET	Up To 25 LF, Non-Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal.....	304.34
02 82 33 00-0240	LF	>25 To 50 LF, Non-Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal.....	8.99
02 82 33 00-0241	LF	>50 To 100 LF, Non Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal.....	6.35
02 82 33 00-0242	LF	>100 To 250 LF, Non Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal.....	4.72
02 82 33 00-0243	LF	>250 To 1,000 LF, Non Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal.....	3.56
02 82 33 00-0244	LF	>1,000 To 2,500 LF, Non Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal.....	2.82
02 82 33 00-0245	LF	>2,500 LF, Non Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal.....	2.45

**02 82 33 00-0246 Window Putty, Asbestos Abatement And Disposal (02 82 33 00-0196)**

02 82 33 00-0247	SET	Up To 10 LF, Window Putty, Asbestos Abatement And Disposal.....	304.34
02 82 33 00-0248	LF	>10 To 50 LF, Window Putty, Asbestos Abatement And Disposal.....	12.00
02 82 33 00-0249	LF	>50 To 100 LF, Window Putty, Asbestos Abatement And Disposal.....	8.26
02 82 33 00-0250	LF	>100 To 250 LF, Window Putty, Asbestos Abatement And Disposal.....	7.08
02 82 33 00-0251	LF	>250 To 1,000 LF, Window Putty, Asbestos Abatement And Disposal.....	6.08
02 82 33 00-0252	LF	>1,000 LF, Window Putty, Asbestos Abatement And Disposal.....	5.25

**02 82 33 00-0253 Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal (02 82 33 00-0196)**

02 82 33 00-0254	SET	Up To 4 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal.....	637.76
02 82 33 00-0255	EA	>4 To 40 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal.....	61.81
02 82 33 00-0256	EA	>40 To 60 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal.....	43.67
02 82 33 00-0257	EA	>60 To 125 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal.....	34.63
02 82 33 00-0258	EA	>125 To 625 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal.....	29.16
02 82 33 00-0259	EA	>625 To 1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal.....	25.89
02 82 33 00-0260	EA	>1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal.....	24.03

**02 83 Lead Remediation (02 80)**

See CSI section 01 56 16 00-0035 for temporary stud walls, 01 74 19 00-0039 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0003 for plastic sheeting for containment construction, 02 89 00 00-0015 for decontamination chambers.

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

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

**02 83 19 13**

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

Note: Includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, bagging, clean-up, vacuuming, transportation for up to 25 miles, disposal, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete removal and disposal of lead contaminated materials in accordance with EPA and local regulations. Where types of Lead are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. See CSI section 01 56 16 00-0035 for temporary stud walls, 01 74 19 00-0039 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0003 for plastic sheeting.

**02 83 19 13-0001**

**Scrape And Sand Lead Paint** (02 83 19 13)

02 83 19 13-0002	SF	Hand Scrape Lead Paint From Concrete Or Masonry Surfaces .....	1.17
02 83 19 13-0003	SF	Scrape Lead Paint, Repair And Sand Severely Damaged Drywall Surfaces.....	1.23
02 83 19 13-0004	SF	Hand Scrape Lead Paint From Wood Surfaces .....	1.62
02 83 19 13-0005	SF	Hand Scraping And Sanding Lead Paint From Metal Surfaces .....	1.66

**02 83 19 13-0006**

**Lead Sampling And Testing** (02 83 19 13)

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

02 83 19 13-0007	HR	Certified Lead Sampling Technician For Bulk Sampling Or Air Monitoring .....	81.46
02 83 19 13-0008	EA	X-Ray Fluorescence (XRF) Lead Testing .....	58.74
		Note: Including Technician, 3 Readings Per Surface And Lab Fee	
02 83 19 13-0009	EA	5 Day Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee .....	56.24
02 83 19 13-0010	EA	48 Hour Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee.....	85.20
02 83 19 13-0011	EA	24 Hour Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee.....	119.29
02 83 19 13-0012	EA	5 Day Turnaround Total Threshold Leaching Concentration (TTL) Lead Test And Lab Fee.....	22.15
02 83 19 13-0013	EA	24 Hour Turnaround Total Threshold Leaching Concentration (TTL) Lead Test And Lab Fee .....	34.08
02 83 19 13-0014	EA	8 Hour Turnaround Total Threshold Leaching Concentration (TTL) Lead Test And Lab Fee .....	42.60
02 83 19 13-0015	EA	5 Day Turnaround Soluble Threshold Limit Concentration (STLC) Lead Test And Lab Fee .....	56.24
02 83 19 13-0016	EA	3 Day Turnaround Soluble Threshold Limit Concentration (STLC) Lead Test And Lab Fee .....	85.20
02 83 19 13-0017	EA	5 Day Turnaround Lead Wipe Samples And Lab Fee .....	9.37
02 83 19 13-0018	EA	24 Hour Turnaround Lead Wipe Samples And Lab Fee .....	12.78
02 83 19 13-0019	EA	8 Hour Turnaround Lead Wipe Samples And Lab Fee .....	18.75
02 83 19 13-0020	EA	5 Day Turnaround Lead Air Samples And Lab Fee .....	9.37
02 83 19 13-0021	EA	24 Hour Turnaround Lead Air Samples And Lab Fee.....	12.78
02 83 19 13-0022	EA	8 Hour Turnaround Lead Air Samples And Lab Fee.....	18.75
02 83 19 13-0023	EA	5 Day Turnaround Lead Water Test and Lab Fee .....	34.08
02 83 19 13-0024	EA	24 Hour Turnaround Lead Water Test and Lab Fee .....	51.12
02 83 19 13-0025	EA	8 Hour Turnaround Lead Water Test and Lab Fee.....	68.16
02 83 19 13-0026	EA	5 Day Turnaround Lead Paint Chip Test and Lab Fee .....	35.25
02 83 19 13-0027	EA	5 Day Turnaround Lead Soil Test and Lab Fee .....	70.49

**02 83 19 13-0028**

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

02 83 19 13-0029	EA	Lead-Based Paint Remediation Minimum Show Up Charge .....	1,061.03
		Note: For projects where the total lead-based paint remediation charge is less than the minimum charge, use task "Minimum Charge For Lead-Based Paint Remediation" exclusively. Task "Minimum Charge For Lead-Based Paint Remediation" should not be used in conjunction with any other tasks in this section. Includes air sample and personal air monitoring.	

**02 83 19 13-0030**

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

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

02 83 19 13-0031	SF	Balustrades, Chemical Stripping Of Lead Contaminated Material .....	31.26
		For 0.025" (25 mil) Application, Add	1.78
		For 0.03" (30 mil) Application, Add	2.81
02 83 19 13-0032	SF	Balustrades, Ornate, Chemical Stripping Of Lead Contaminated Material .....	46.35
		For 0.025" (25 mil) Application, Add	2.54
		For 0.03" (30 mil) Application, Add	3.94
02 83 19 13-0033	LF	Up To 6" Wide, Wood Trim, Chemical Stripping Of Lead Contaminated Material .....	13.44
		For 0.025" (25 mil) Application, Add	0.80
		For 0.03" (30 mil) Application, Add	1.29
		For 0.125" (125 mil) Application, Add	7.32
02 83 19 13-0034	LF	>6" To 12" Wide, Wood Trim, Chemical Stripping Of Lead Contaminated Material.....	27.42
		For 0.025" (25 mil) Application, Add	1.50
		For 0.03" (30 mil) Application, Add	2.34
		For 0.125" (125 mil) Application, Add	10.82
02 83 19 13-0035	SF	Cornice, Chemical Stripping Of Lead Contaminated Material.....	14.62
		For 0.025" (25 mil) Application, Add	0.95
		For 0.03" (30 mil) Application, Add	1.56
02 83 19 13-0036	SF	Cornice, Ornate, Chemical Stripping Of Lead Contaminated Material.....	41.33
		For 0.025" (25 mil) Application, Add	2.28
		For 0.03" (30 mil) Application, Add	3.56
02 83 19 13-0037	SF	Brick, Concrete Block, Concrete, Chemical Stripping Of Lead Contaminated Material .....	9.03
		For 0.025" (25 mil) Application, Add	0.63
		For 0.03" (30 mil) Application, Add	1.05
		For 0.125" (125 mil) Application, Add	7.54
02 83 19 13-0038	SF	Cabinets, Chemical Stripping Of Lead Contaminated Material.....	26.15
		For 0.025" (25 mil) Application, Add	1.48
		For 0.03" (30 mil) Application, Add	2.34
02 83 19 13-0039	SF	Cabinets, Ornate, Chemical Stripping Of Lead Contaminated Material .....	33.30
		For 0.025" (25 mil) Application, Add	1.84
		For 0.03" (30 mil) Application, Add	2.87

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

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

02 83 19 13-0040	SF	Plaster, Stucco and Drywall Surfaces, Chemical Stripping Of Lead Contaminated Material .....	12.43	
		<i>For 0.025" (25 mil) Application, Add</i>	0.80	
		<i>For 0.03" (30 mil) Application, Add</i>	1.31	
02 83 19 13-0041	SF	Columns, Chemical Stripping Of Lead Contaminated Material .....	11.96	
		<i>For 0.025" (25 mil) Application, Add</i>	0.82	
		<i>For 0.03" (30 mil) Application, Add</i>	1.36	
		<i>For 0.125" (125 mil) Application, Add</i>	9.53	
02 83 19 13-0042	SF	Flush Doors, One Side, Chemical Stripping Of Lead Contaminated Material .....	10.53	
		<i>For 0.025" (25 mil) Application, Add</i>	0.70	
		<i>For 0.03" (30 mil) Application, Add</i>	1.16	
02 83 19 13-0043	SF	Raised Panel Doors and Decorative Doors, Chemical Stripping Of Lead Contaminated Material .....	10.99	
		<i>For 0.025" (25 mil) Application, Add</i>	0.73	
		<i>For 0.03" (30 mil) Application, Add</i>	1.20	
02 83 19 13-0044	SF	Sectional Panel Or Roll-Up Doors, Chemical Stripping Of Lead Contaminated .....	19.04	
		<i>For 0.025" (25 mil) Application, Add</i>	1.17	
		<i>For 0.03" (30 mil) Application, Add</i>	1.89	
02 83 19 13-0045	EA	Electrical Devices, Chemical Stripping Of Lead Contaminated Material .....	54.40	
		<i>For 0.025" (25 mil) Application, Add</i>	3.07	
		<i>For 0.03" (30 mil) Application, Add</i>	4.82	
02 83 19 13-0046	LF	Door Frames, Chemical Stripping Of Lead Contaminated Material .....	13.51	
		<i>For 0.025" (25 mil) Application, Add</i>	0.85	
		<i>For 0.03" (30 mil) Application, Add</i>	1.39	
02 83 19 13-0047	SF	Wood Floors, Chemical Stripping Of Lead Contaminated Material .....	7.44	
		<i>For 0.025" (25 mil) Application, Add</i>	0.55	
		<i>For 0.03" (30 mil) Application, Add</i>	0.93	
02 83 19 13-0048	SF	HVAC Grilles, Chemical Stripping Of Lead Contaminated Material .....	27.93	
		<i>For 0.025" (25 mil) Application, Add</i>	1.57	
		<i>For 0.03" (30 mil) Application, Add</i>	2.47	
02 83 19 13-0049	SF	HVAC Grilles, Ornate, Chemical Stripping Of Lead Contaminated Material .....	33.30	
		<i>For 0.025" (25 mil) Application, Add</i>	1.84	
		<i>For 0.03" (30 mil) Application, Add</i>	2.87	
02 83 19 13-0050	EA	Hinges, Chemical Stripping Of Lead Contaminated Material .....	17.53	
		<i>For 0.025" (25 mil) Application, Add</i>	1.14	
		<i>For 0.03" (30 mil) Application, Add</i>	1.87	
02 83 19 13-0051	EA	Up To 6" Diameter Hangers, Chemical Stripping Of Lead Contaminated Material .....	21.58	
		<i>For 0.025" (25 mil) Application, Add</i>	1.34	
		<i>For 0.03" (30 mil) Application, Add</i>	2.18	
		<i>For 0.125" (125 mil) Application, Add</i>	13.26	
02 83 19 13-0052	LF	Up To 2" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material .....	6.04	
		<i>For 0.025" (25 mil) Application, Add</i>	0.43	
		<i>For 0.03" (30 mil) Application, Add</i>	0.73	
		<i>For 0.125" (125 mil) Application, Add</i>	5.47	
02 83 19 13-0053	LF	>2" To 4" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material .....	9.68	
		<i>For 0.025" (25 mil) Application, Add</i>	0.62	
		<i>For 0.03" (30 mil) Application, Add</i>	1.01	
		<i>For 0.125" (125 mil) Application, Add</i>	6.38	
02 83 19 13-0054	LF	>4" To 8" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material .....	17.31	
		<i>For 0.025" (25 mil) Application, Add</i>	1.08	
		<i>For 0.03" (30 mil) Application, Add</i>	1.76	
		<i>For 0.125" (125 mil) Application, Add</i>	10.87	
02 83 19 13-0055	LF	>8" To 12" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material .....	23.71	
		<i>For 0.025" (25 mil) Application, Add</i>	1.45	
		<i>For 0.03" (30 mil) Application, Add</i>	2.34	
		<i>For 0.125" (125 mil) Application, Add</i>	13.79	
02 83 19 13-0056	LF	>12" To 16" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material .....	42.50	
		<i>For 0.025" (25 mil) Application, Add</i>	2.52	
		<i>For 0.03" (30 mil) Application, Add</i>	4.02	
		<i>For 0.125" (125 mil) Application, Add</i>	22.45	
02 83 19 13-0057	SF	>16" Diameter Pipes, Chemical Stripping Of Lead Contaminated Material, SF Of Surface Area .....	12.69	
		<i>For 0.025" (25 mil) Application, Add</i>	0.73	
		<i>For 0.03" (30 mil) Application, Add</i>	1.15	
		<i>For 0.125" (125 mil) Application, Add</i>	5.99	
02 83 19 13-0058	EA	Up To 12 SF Radiators, Chemical Stripping Of Lead Contaminated Material .....	252.27	
		<i>For 0.025" (25 mil) Application, Add</i>	13.88	
		<i>For 0.03" (30 mil) Application, Add</i>	21.61	
02 83 19 13-0059	SF	Flat And Raised Panel Wood Shutters, Chemical Stripping Of Lead Contaminated Material .....	17.74	
		<i>For 0.025" (25 mil) Application, Add</i>	1.38	
		<i>For 0.03" (30 mil) Application, Add</i>	2.38	
02 83 19 13-0060	SF	Louvered Wood Shutters, Chemical Stripping Of Lead Contaminated Material .....	19.41	
		<i>For 0.025" (25 mil) Application, Add</i>	1.46	
		<i>For 0.03" (30 mil) Application, Add</i>	2.50	
02 83 19 13-0061	SF	Siding, Chemical Stripping Of Lead Contaminated Material .....	10.11	
		<i>For 0.025" (25 mil) Application, Add</i>	0.72	
		<i>For 0.03" (30 mil) Application, Add</i>	1.22	
		<i>For 0.125" (125 mil) Application, Add</i>	9.07	
02 83 19 13-0062	SF	Soffit, Chemical Stripping Of Lead Contaminated Material .....	21.15	
		<i>For 0.025" (25 mil) Application, Add</i>	1.23	
		<i>For 0.03" (30 mil) Application, Add</i>	1.96	
		<i>For 0.125" (125 mil) Application, Add</i>	10.57	
02 83 19 13-0063	SF	Flat Steel Surfaces, Chemical Stripping Of Lead Contaminated Material .....	9.75	
		<i>For 0.025" (25 mil) Application, Add</i>	0.66	
		<i>For 0.03" (30 mil) Application, Add</i>	1.11	
		<i>For 0.125" (125 mil) Application, Add</i>	7.72	
02 83 19 13-0064	SF	Corrugated Steel, Chemical Stripping Of Lead Contaminated Material .....	11.06	
		<i>For 0.025" (25 mil) Application, Add</i>	0.73	
		<i>For 0.03" (30 mil) Application, Add</i>	1.20	
		<i>For 0.125" (125 mil) Application, Add</i>	8.05	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 83 19 13-0065	SF		Steel Beams and Columns, Chemical Stripping Of Lead Contaminated Material..... For 0.025" (25 mil) Application, Add For 0.03" (30 mil) Application, Add For 0.125" (125 mil) Application, Add	11.03 0.73 1.20 8.04	
02 83 19 13-0066	SF		Steel Trusses, Chemical Stripping Of Lead Contaminated Material ..... For 0.025" (25 mil) Application, Add For 0.03" (30 mil) Application, Add For 0.125" (125 mil) Application, Add	15.62 0.96 1.55 9.19	
02 83 19 13-0067	SF		Wood Surfaces, Chemical Stripping Of Lead Contaminated Material..... For 0.025" (25 mil) Application, Add For 0.03" (30 mil) Application, Add For 0.125" (125 mil) Application, Add	11.03 0.73 1.20 8.04	
02 83 19 13-0068	SF		Windows (Sash, Sill, Jambs, Casing Trim), One Side, 1/1 Light, Chemical Stripping Of Lead Contaminated Material..... For 0.025" (25 mil) Application, Add For 0.03" (30 mil) Application, Add	25.37 1.44 2.28	
02 83 19 13-0069	SF		Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 2/2 Light, Chemical Stripping Of Lead Contaminated Material ..... For 0.025" (25 mil) Application, Add For 0.03" (30 mil) Application, Add	27.76 1.56 2.46	
02 83 19 13-0070	SF		Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 4/4 Light, Chemical Stripping Of Lead Contaminated Material ..... For 0.025" (25 mil) Application, Add For 0.03" (30 mil) Application, Add	29.38 1.65 2.58	
02 83 19 13-0071	SF		Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 6/6 Light, Chemical Stripping Of Lead Contaminated Material ..... For 0.025" (25 mil) Application, Add For 0.03" (30 mil) Application, Add	31.01 1.73 2.70	
02 83 19 13-0072	SF		Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 8/8 Light Chemical Stripping Of Lead Contaminated Material ..... For 0.025" (25 mil) Application, Add For 0.03" (30 mil) Application, Add	32.63 1.81 2.82	
02 83 19 13-0073	SF		Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 10/10 Light, Chemical Stripping Of Lead Contaminated Material ..... For 0.025" (25 mil) Application, Add For 0.03" (30 mil) Application, Add	34.32 1.89 2.95	
02 83 19 13-0074	SF		Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 12/12 light Chemical Stripping Of Lead Contaminated Material ..... For 0.025" (25 mil) Application, Add For 0.03" (30 mil) Application, Add	35.89 1.97 3.07	
02 83 19 13-0075	SF		Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 14/14 Light, Chemical Stripping Of Lead Contaminated Material ..... For 0.025" (25 mil) Application, Add For 0.03" (30 mil) Application, Add	36.71 2.01 3.13	
02 83 19 13-0076	SF		Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 16/16 Light Chemical Stripping Of Lead Contaminated Material ..... For 0.025" (25 mil) Application, Add For 0.03" (30 mil) Application, Add	37.53 2.05 3.19	
02 83 19 13-0077	SF		Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 20/20 Light, Chemical Stripping Of Lead Contaminated Material ..... For 0.025" (25 mil) Application, Add For 0.03" (30 mil) Application, Add	38.31 2.09 3.25	
02 83 19 13-0078	SF		Metal Stairs, Chemical Stripping Of Lead Contaminated Material ..... For 0.025" (25 mil) Application, Add For 0.03" (30 mil) Application, Add For 0.125" (125 mil) Application, Add	50.64 2.88 4.54 23.16	
02 83 19 13-0079	LF		Metal Single Hand Rail, Chemical Stripping Of Lead Contaminated Material..... For 0.025" (25 mil) Application, Add For 0.03" (30 mil) Application, Add For 0.125" (125 mil) Application, Add	8.81 0.57 0.94 6.16	
02 83 19 13-0080	SF		Metal Railing And Posts, Chemical Stripping Of Lead Contaminated Material ..... Note: The unit of measure "SF" is measured for 'Length x Height'. Work includes both sides of railing. For 0.025" (25 mil) Application, Add For 0.03" (30 mil) Application, Add For 0.125" (125 mil) Application, Add	25.75 1.55 2.49 14.30	
02 83 19 13-0081	SF		Metal Picket Fence, Chemical Stripping Of Lead Contaminated Material..... For 0.025" (25 mil) Application, Add For 0.03" (30 mil) Application, Add For 0.125" (125 mil) Application, Add	28.14 1.63 2.57 13.58	

**02 83 19 13-0082**
**Demolish Lead Contaminated Material** (02 83 19 13)

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

02 83 19 13-0083	SF		Demolish Ceiling Suspension System, Lead Contaminated Material .....	2.22	
02 83 19 13-0084	SF		Demolish Suspended Ceiling System And Tile, Lead Contaminated Material .....	1.29	
02 83 19 13-0085	SF		Demolish Acoustical Ceiling Tile, Lead Contaminated Material .....	0.82	
02 83 19 13-0086	SF		Demolish Metal Pan Grid System, Lead Contaminated Material .....	1.29	
02 83 19 13-0087	EA		Demolish Ceiling And Recessed Light Fixtures, Lead Contaminated Material .....	62.03	
02 83 19 13-0088	EA		Demolish >2' x 4' Light Fixtures, Lead Contaminated Material .....	82.29	
02 83 19 13-0089	SF		Demolish Non Load Bearing Partitions Of Plaster Or Stucco, Lath And Studs, Lead Contaminated Material .....	9.19	
02 83 19 13-0090	SF		Demolish Non Load Bearing Partitions Of Gypsum Board And Studs, Lead Contaminated Material .....	5.15	
02 83 19 13-0091	SF		Demolish Brick, Lead Contaminated Material .....	3.87	
02 83 19 13-0092	SF		Demolish Concrete Block, Lead Contaminated Material .....	4.99	
02 83 19 13-0093	SF		Demolish Tile, Lead Contaminated Material .....	3.76	
02 83 19 13-0094	SF		Demolish Up To 6" Concrete, Lead Contaminated Material .....	5.66	
02 83 19 13-0095	IN		Drilling, Up To 1/2" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth.....	4.39	
02 83 19 13-0096	IN		Drilling, >1/2" To 1" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth.....	5.85	
02 83 19 13-0097	LF		Demolish Wood Balustrades And Railings, Lead Contaminated Material.....	6.43	

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

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0098	LF	Demolish Up To 6" Wide Baseboard, Lead Contaminated Material.....	1.67	
02 83 19 13-0099	LF	Demolish >6" To 12" Wide Baseboard, Lead Contaminated Material.....	2.09	
02 83 19 13-0100	LF	Demolish Base Shoe Molding, Lead Contaminated Material.....	1.36	
02 83 19 13-0101	SF	Demolish Concrete, Lead Contaminated Material.....	12.79	
02 83 19 13-0102	LF	Demolish Cabinets, Lead Contaminated Material.....	29.80	
02 83 19 13-0103	SF	Demolish Ceilings, Gypsum Board, Lead Contaminated Material.....	1.69	
02 83 19 13-0104	SF	Demolish Up To 12" Diameter Columns, Lead Contaminated Material.....	16.51	
02 83 19 13-0105	SF	Demolish Cornice, Lead Contaminated Material.....	2.20	
02 83 19 13-0106	EA	Demolish Doors, Lead Contaminated Material.....	64.66	
02 83 19 13-0107	LF	Demolish Door And Window Trim Or Frames, Lead Contaminated Material.....	1.97	
02 83 19 13-0108	EA	Demolish Electrical Devices, Lead Contaminated Material.....	19.84	
02 83 19 13-0109	LF	Demolish Up To 1" Diameter Electrical Conduit, Lead Contaminated Material.....	2.55	
02 83 19 13-0110	LF	Demolish >1" To 2" Diameter Electrical Conduit, Lead Contaminated Material.....	4.24	
02 83 19 13-0111	SF	Demolish Wood Floors, Lead Contaminated Material.....	3.05	
02 83 19 13-0112	SF	Demolish Grilles, Lead Contaminated Material.....	3.59	
02 83 19 13-0113	EA	Demolish Hinges, Lead Contaminated Material.....	7.21	
02 83 19 13-0114	EA	Demolish Up To 6" Diameter Hangers, Lead Contaminated Material.....	15.50	
02 83 19 13-0115	LF	Demolish Up To 2" Diameter Pipes, Lead Contaminated Material.....	6.35	
02 83 19 13-0116	LF	Demolish >2" To 4" Diameter Pipes, Lead Contaminated Material.....	9.27	
02 83 19 13-0117	LF	Demolish >4" To 8" Diameter Pipes, Lead Contaminated Material.....	14.01	
02 83 19 13-0118	LF	Demolish >8" To 12" Diameter Pipes, Lead Contaminated Material.....	25.84	
02 83 19 13-0119	EA	Demolish Radiators, Lead Contaminated Material.....	111.60	
02 83 19 13-0120	EA	Demolish Shutters, Lead Contaminated Material.....	43.49	
02 83 19 13-0121	SF	Demolish Siding, Lead Contaminated Material.....	1.72	
02 83 19 13-0122	SF	Demolish Soffit, Lead Contaminated Material.....	1.47	
02 83 19 13-0123	SF	Demolish Flat Steel Surfaces, Lead Contaminated Material.....	4.02	
02 83 19 13-0124	SF	Demolish Steel Beams, Lead Contaminated Material.....	4.74	
02 83 19 13-0125	SF	Demolish Trusses, Lead Contaminated Material.....	6.21	
02 83 19 13-0126	SF	Demolish Walls, Wood, Lead Contaminated Material.....	4.59	
02 83 19 13-0127	SF	Demolish Windows, Lead Contaminated Material.....	15.43	
02 83 19 13-0128	SF	Demolish Metal Stair, Lead Contaminated Material.....	7.39	
02 83 19 13-0129	LF	Demolish Single Metal Hand Rail, Lead Contaminated Material.....	5.43	
02 83 19 13-0130	LF	Demolish Metal Railing And Posts, Lead Contaminated Material.....	8.87	
02 83 19 13-0131	SF	Demolish Metal Picket Fence, Lead Contaminated Material.....	2.44	
02 83 19 13-0132	SF	Demolish Plywood, Lead Contaminated Material.....	6.67	
02 83 19 13-0133	SF	Demolish Planks (Various Sizes), Lead Contaminated Material.....	3.26	
02 83 19 13-0134	EA	Demolish Metal Brackets Or Other Small Metal Shapes, Lead Contaminated Material.....	20.37	
02 83 19 13-0135	SF	Demolish Ceramic Tile Block, Lead Contaminated Material.....	4.44	
02 83 19 13-0136	LF	Demolish Metal Guard Rails, Lead Contaminated Material.....	12.22	
02 83 19 13-0137	LF	Demolish Roof Metal Trim, Lead Contaminated Material.....	2.61	
02 83 19 13-0138	LF	Demolish Rain Gutters, Lead Contaminated Material.....	4.48	
02 83 19 13-0139	LF	Demolish Downspouts, Lead Contaminated Material.....	3.67	
02 83 19 13-0140	SF	Demolish Corrugated Metal Roofing, Lead Contaminated Material.....	4.52	
02 83 19 13-0141	LF	Demolish Roof Metal Flashing, Lead Contaminated Material.....	2.60	
02 83 19 13-0142	LF	Demolish Fascia Board Up To 12", Lead Contaminated Material.....	6.51	
02 83 19 13-0143	SF	Demolish Up To 100 SF Gypsum Wall Board, Lead Contaminated Material.....	6.51	
02 83 19 13-0144	SF	Demolish >100 To 500 SF Gypsum Wall Board, Lead Contaminated Material.....	4.68	
02 83 19 13-0145	SF	Demolish >500 To 2,500 SF Gypsum Wall Board, Lead Contaminated Material.....	3.67	
02 83 19 13-0146	SF	Demolish >2,500 SF Gypsum Wall Board, Lead Contaminated Material.....	2.85	
02 83 19 13-0147	SF	Demolish Up To 100 SF Plaster/Stucco, Lead Contaminated Material.....	20.37	
02 83 19 13-0148	SF	Demolish >100 To 500 SF Plaster/Stucco, Lead Contaminated Material.....	14.48	
02 83 19 13-0149	SF	Demolish >500 To 2,500 SF Plaster/Stucco, Lead Contaminated Material.....	10.87	
02 83 19 13-0150	SF	Demolish >2,500 To 10,000 SF Plaster/Stucco, Lead Contaminated Material.....	8.15	

**02 83 19 13-0151 Wet Sanding/Scraping Of Lead Contaminated Material (02 83 19 13)**

Note: Remove loose, flaking lead-based paint to prepare for painting

02 83 19 13-0152	SF	Wet Sand/Scrape Of Lead Contaminated Material To Prepare For Painting.....	3.11	
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**02 83 19 13-0153 Lead Abatement Encapsulation (02 83 19 13)**

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

02 83 19 13-0154	SF	Balustrades, Lead Abatement Encapsulation.....	5.59	
02 83 19 13-0155	LF	Up To 6" Wide, Baseboard, Lead Abatement Encapsulation.....	5.57	
02 83 19 13-0156	LF	>6" To 12" Wide, Baseboard, Lead Abatement Encapsulation.....	7.55	
02 83 19 13-0157	SF	Brick, Concrete Block, Concrete, Lead Abatement Encapsulation.....	3.57	
02 83 19 13-0158	SF	Ornate Cabinets, Lead Abatement Encapsulation.....	8.11	
02 83 19 13-0159	SF	Simple Design Cabinets, Lead Abatement Encapsulation.....	6.60	
02 83 19 13-0160	SF	Drywall Ceilings, Lead Abatement Encapsulation.....	2.23	
02 83 19 13-0161	SF	Wood Ceilings, Lead Abatement Encapsulation.....	2.72	
02 83 19 13-0162	SF	Acoustical And Popcorn Ceilings, Lead Abatement Encapsulation.....	2.52	
02 83 19 13-0163	SF	Columns, Lead Abatement Encapsulation.....	4.33	
02 83 19 13-0164	SF	Doors, Lead Abatement Encapsulation.....	8.30	
02 83 19 13-0165	LF	Up To 2" Electrical Conduit, Lead Abatement Encapsulation.....	3.66	
02 83 19 13-0166	SF	Picket Fence (Brush), Lead Abatement Encapsulation.....	2.57	
02 83 19 13-0167	SF	Wood Floors (Roller), Lead Abatement Encapsulation.....	2.15	
02 83 19 13-0168	SF	Grilles, Vents, Lead Abatement Encapsulation.....	6.04	
02 83 19 13-0169	LF	Gutters And Downspouts, Lead Abatement Encapsulation.....	5.59	
02 83 19 13-0170	EA	Hangers, Lead Abatement Encapsulation.....	47.87	
02 83 19 13-0171	LF	Up To 4" Diameter Pipe (Brush), Lead Abatement Encapsulation.....	3.39	
02 83 19 13-0172	LF	>4" To 8" Diameter Pipe (Brush), Lead Abatement Encapsulation.....	4.88	
02 83 19 13-0173	LF	>8" To 12" Diameter Pipe (Brush), Lead Abatement Encapsulation.....	7.54	
02 83 19 13-0174	LF	>12" To 16" Diameter Pipe (Brush), Lead Abatement Encapsulation.....	11.12	
02 83 19 13-0175	EA	Radiators, Lead Abatement Encapsulation.....	122.81	
02 83 19 13-0176	EA	Up To 6' Shutters, Lead Abatement Encapsulation.....	176.46	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 83 19 13-0177	SF		Siding, Lead Abatement Encapsulation.....	3.08	
02 83 19 13-0178	SF		Up To 12" Soffit, Lead Abatement Encapsulation.....	4.33	
02 83 19 13-0179	SF		Steel, Flat Surfaces And Tanks Up To 12', Lead Abatement Encapsulation .....	3.57	
02 83 19 13-0180	SF		Steel Beams And Metal Decks, Lead Abatement Encapsulation.....	4.69	
02 83 19 13-0181	SF		Trusses, Lead Abatement Encapsulation.....	4.69	
02 83 19 13-0182	SF		Drywall Walls, Lead Abatement Encapsulation.....	1.99	
02 83 19 13-0183	SF		Wood Walls, Lead Abatement Encapsulation.....	2.44	
02 83 19 13-0184	EA		Window Without Grille, Lead Abatement Encapsulation.....	103.83	
02 83 19 13-0185	EA		Window With Grille, Lead Abatement Encapsulation.....	133.60	
02 83 19 13-0186	LF		Wood Door Frames And Trim, Lead Abatement Encapsulation .....	3.20	
02 83 19 13-0187	LF		Steel Lintels, Lead Abatement Encapsulation.....	3.67	

**02 83 33 Removal and Disposal of Material Containing Lead (02 83)**

**02 83 33 13 Lead-Based Paint Removal and Disposal (02 83 33)**

**02 83 33 13-0001 Remove Loose Dirt And Debris Containing Lead (02 83 33 13)**

02 83 33 13-0002	SF		High Efficiency Particulate Air (HEPA) Vacuum And Wet Cleaning Of Lead Contaminated Area With Mild Detergent.....	0.26	
02 83 33 13-0003	SF		High Efficiency Particulate Air (HEPA) Vacuum And Wet Cleaning Of Lead Contaminated Area With Tri-Sodium Phosphate.....	0.26	
02 83 33 13-0004	SF		High Efficiency Particulate Air (HEPA) Vacuum And Shampoo Cleaning Of Lead Contaminated Carpeting .....	1.29	

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

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

**02 84 16 00-0001 Removal Of TSCA-Exempt PCB And Non-PCB Ballasts From Demolished Fixtures (02 84 16)**

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

02 84 16 00-0002	EA		Removal Of TSCA-Exempt Polychlorinated Biphenyl (PCB) And Non-PCB Ballast From A Demolished Fixture For Recycling.....	8.69	
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**02 84 16 00-0003 Recycle TSCA-Exempt PCB And Non-PCB Ballasts (02 84 16)**

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

02 84 16 00-0004	EA		Recycle Non-Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures.....	1.42	
02 84 16 00-0005	EA		Recycle Non-Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures.....	2.13	
02 84 16 00-0006	EA		Recycle TSCA-Exempt Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures.....	6.63	
02 84 16 00-0007	EA		Recycle TSCA-Exempt Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures.....	15.16	

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

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

02 84 16 00-0009	EA		Dispose Of Leaking Non-Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures.....	3.55	
02 84 16 00-0010	EA		Dispose Of Leaking Non-Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures .....	5.33	
02 84 16 00-0011	EA		Dispose Of Leaking Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures .....	9.95	
02 84 16 00-0012	EA		Dispose Of Leaking Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures.....	22.74	

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

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

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

02 84 33 00-0002	EA		Removal And Disposal Of Transformers 2.5/3.5 KVA, Non Polychlorinated Biphenyl (PCB).....	2,190.04	
Note: Includes disposal costs.					
02 84 33 00-0003	EA		Removal And Disposal Of Transformers 20 KVA, Non Polychlorinated Biphenyl (PCB).....	3,405.01	
Note: Includes disposal costs.					
02 84 33 00-0004	EA		Removal And Disposal Of Switch, Non Polychlorinated Biphenyl (PCB).....	1,025.81	
02 84 33 00-0005	EA		Removal And Disposal Of Transformers 2.5/3.5 KVA, Polychlorinated Biphenyl (PCB).....	4,008.74	
Note: Includes disposal costs.					
02 84 33 00-0006	EA		Removal And Disposal Of Switch, Polychlorinated Biphenyl (PCB).....	1,755.88	
02 84 33 00-0007	EA		Removal And Disposal Of Transformers 20 KVA, Polychlorinated Biphenyl (PCB).....	6,265.38	
Note: Includes disposal costs.					

**02 86 Hazardous Waste Drum Handling (02 80)**

**02 86 00 00-0001 Hazardous Waste Packaging (02 86)**

**02 86 00 00-0002 Overpacks (02 86 00 00-0001)**

**02 86 00 00-0003 Steel Salvage Drums, 16 Gauge (02 86 00 00-0002)**

02 86 00 00-0004	EA		110 Gallon, 30" Diameter X 41" High.....	420.56	
02 86 00 00-0005	EA		85 Gallon, 26" Diameter X 38" High.....	239.40	
02 86 00 00-0006	EA		83 Gallon, 26" Diameter X 36" High.....	231.05	
02 86 00 00-0007	EA		55 Gallon, DOT 17C, 18" Diameter X 34" High.....	144.56	
02 86 00 00-0008	EA		30 Gallon, DOT 17C, 18" Diameter X 28" High.....	113.88	
02 86 00 00-0009	EA		22 Gallon, 16" Diameter X 25" High.....	76.72	
02 86 00 00-0010	EA		15 Gallon, DOT 17C, 14" Diameter X 24" High.....	69.37	
02 86 00 00-0011	EA		10 Gallon, 13.8" Diameter X 15" High.....	61.13	

**02 Existing Conditions****02 80 Facility Remediation****02 86 Hazardous Waste Drum Handling**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

		MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
<b>02 86 00 00-0012</b>		<b>Polyethylene Overpacks</b> (02 86 00 00-0002)						
02 86 00 00-0013	EA				95 Gallon, DOT E9618, Twist On Lid 31" Diameter X 41" High .....	475.05		
02 86 00 00-0014	EA				20 Gallon, Labpack, Twist On Lid 21" Diameter X 7.5" High .....	87.79		
02 86 00 00-0015	EA				85 Gallon, DOT E9775, Clamp Ring Lid, 27" Diameter X 41" High.....	429.86		
<b>02 86 00 00-0016</b>		<b>Composite Overpacks</b> (02 86 00 00-0002)						
02 86 00 00-0017	EA				55 Gal, DOT 17C, Steel Drum Nested With 2-20 Gallon Fiber Drums .....	233.27		
02 86 00 00-0018	EA				55 Gal, DOT 17C, Steel Drum Nested With 4-10 Gallon Fiber Drums .....	320.10		
02 86 00 00-0019	EA				85 Gal, 16 Gauge Salvage Drum Nested With 3-20 Gallon Fiber Drums .....	434.18		
<b>02 86 00 00-0020</b>		<b>DOT E-9168 Exempt Packaging</b> (02 86 00 00-0002)						
02 86 00 00-0021	EA				32 Oz Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168.....	37.90		
02 86 00 00-0022	EA				950 cc Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168.....	39.98		
02 86 00 00-0023	EA				500 cc Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168.....	39.09		
02 86 00 00-0024	EA				250 cc Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168.....	19.35		
02 86 00 00-0025	EA				Can, Carton, Insert, Tape - Corrosive And Flammable - UPS .....	12.50		
02 86 00 00-0026	EA				16 Oz Bottle, Carton, Insert And Tape, Sludge/Viscous, UPS .....	6.59		
02 86 00 00-0027	EA				32 Oz Bottle, Carton, Insert And Tape, Sludge/Viscous, UPS .....	8.57		
<b>02 86 00 00-0028</b>		<b>Steel Drums</b> (02 86 00 00-0001)						
<b>02 86 00 00-0029</b>		<b>UN Rated Steel Drums</b> (02 86 00 00-0028)						
02 86 00 00-0030	EA				UN 1A2/X 320/S 55 Gallon, Open, 16 Gauge, Steel Drum .....	110.33		
02 86 00 00-0031	EA				UN 1A2/X 320/S 55 Gallon, Closed, 16 Gauge, Steel Drum .....	104.28		
02 86 00 00-0032	EA				UN 1A2/Y 1.4/100 55 Gallon, Open, 16 Gauge, Steel Drum .....	84.56		
02 86 00 00-0033	EA				UN 1A2/Y 1.4/100 55 Gallon, Closed, 16 Gauge, Steel Drum .....	66.64		
02 86 00 00-0034	EA				UN 1A2/X 160/S 30 Gallon, Open, 18 Gauge, Steel Drum .....	77.25		
02 86 00 00-0035	EA				UN 1A2/Y 1.4/100 30 Gallon, Open, 18 Gauge, Steel Drum .....	65.66		
02 86 00 00-0036	EA				30 Gallon, 17E, Open, Steel Drum.....	47.64		
02 86 00 00-0037	EA				20 Gallon, 17C, Open, Steel Drum .....	66.95		
02 86 00 00-0038	EA				20 Gallon, 17E, Open, Steel Drum.....	45.06		
02 86 00 00-0039	EA				8 Gallon, 17C, Open, Steel Drum .....	78.32		
02 86 00 00-0040	EA				55 Gallon Stainless Steel DOT 5C Ch Seamless Drum 16-Gauge (10-24) .....	1,142.23		
02 86 00 00-0041	EA				55 Gallon Stainless Steel DOT 5C Ch Seamless Drum 16-Gauge (25-49) .....	1,120.84		
02 86 00 00-0042	EA				55 Gallon Stainless Steel DOT 5C Ch Seamless Drum 16-Gauge (50+).....	1,009.61		
02 86 00 00-0043	EA				55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (1-9) .....	1,078.06		
02 86 00 00-0044	EA				55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (10-24) .....	1,052.39		
02 86 00 00-0045	EA				55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (25-49) .....	1,033.14		
02 86 00 00-0046	EA				55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (50+) .....	930.47		
02 86 00 00-0047	EA				55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (1-9) .....	814.96		
02 86 00 00-0048	EA				55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (10-24) .....	795.71		
02 86 00 00-0049	EA				55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (25-49) .....	780.74		
02 86 00 00-0050	EA				55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (50+) .....	703.73		
02 86 00 00-0051	EA				30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (1-9) .....	663.09		
02 86 00 00-0052	EA				30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (10-24) .....	637.42		
02 86 00 00-0053	EA				30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (25-49) .....	609.62		
02 86 00 00-0054	EA				30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (50+) .....	588.23		
02 86 00 00-0055	EA				55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (1-9) .....	1,114.42		
02 86 00 00-0056	EA				55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (10-24) .....	1,093.03		
02 86 00 00-0057	EA				55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (25-49) .....	986.08		
02 86 00 00-0058	EA				55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (50+) .....	934.75		
02 86 00 00-0059	EA				55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (1-9) .....	1,033.14		
02 86 00 00-0060	EA				55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (10-24) .....	1,013.89		
02 86 00 00-0061	EA				55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (25-49) .....	913.36		
02 86 00 00-0062	EA				55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (50+) .....	866.30		
02 86 00 00-0063	EA				55 Gallon Reconditioned Steel 17h Drum (1-9) .....	112.38		
02 86 00 00-0064	EA				55 Gallon Reconditioned Steel 17h Drum (10-24) .....	99.61		
02 86 00 00-0065	EA				55 Gallon Reconditioned Steel 17h Drum (25-49) .....	86.84		
02 86 00 00-0066	EA				55 Gallon Reconditioned Steel 17h Drum (50+) .....	76.62		
<b>02 86 00 00-0067</b>		<b>Plastic Drums</b> (02 86 00 00-0001)						
<b>02 86 00 00-0068</b>		<b>Polyethylene Closed Head Drums</b> (02 86 00 00-0067)						
Note: Closed head drums have standard NPS (National Pipe Standard) plug and drain vents. Primarily for liquids.								
02 86 00 00-0069	EA				55 Gallon Polyethylene Closed Head Drums .....	69.26		
02 86 00 00-0070	EA				35 Gallon Polyethylene Closed Head Drums .....	53.17		
02 86 00 00-0071	EA				30 Gallon Polyethylene Closed Head Drums .....	48.28		
02 86 00 00-0072	EA				20 Gallon Polyethylene Closed Head Drums .....	33.73		
02 86 00 00-0073	EA				15 Gallon Polyethylene Closed Head Drums .....	33.09		
<b>02 86 00 00-0074</b>		<b>Polyethylene Open Head Drums</b> (02 86 00 00-0067)						
Note: Open head drums are primarily used for solids and sludge.								
02 86 00 00-0075	EA				55 Gallon Polyethylene Open Head Drums .....	87.55		
02 86 00 00-0076	EA				35 Gallon Polyethylene Open Head Drums .....	64.37		
02 86 00 00-0077	EA				30 Gallon Polyethylene Open Head Drums .....	61.15		
02 86 00 00-0078	EA				20 Gallon Polyethylene Open Head Drums .....	45.06		
02 86 00 00-0079	EA				15 Gallon Polyethylene Open Head Drums .....	38.62		

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TOTAL DIRECT DEMOLITION  
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02 86 00 00-0080	Fiber Drums (02 86 00 00-0001)		
02 86 00 00-0081	Steel Top/Fiber Bottom Drums, Hazardous (02 86 00 00-0080)		
	Note: Waste fiber drums have tubular rubber gaskets and caulked bottom seams.		
02 86 00 00-0082	EA 30 Gallon Fiber Drum DOT-21C (1-9).....	53.04	
02 86 00 00-0083	EA 30 Gallon Fiber Drum DOT-21C (10-24).....	49.69	
02 86 00 00-0084	EA 30 Gallon Fiber Drum DOT-21C (25-49).....	45.32	
02 86 00 00-0085	EA 30 Gallon Fiber Drum DOT-21C (50+).....	44.80	
02 86 00 00-0086	EA 55 Gallon Fiber Drum DOT-21C (1-9).....	54.59	
02 86 00 00-0087	EA 55 Gallon Fiber Drum DOT-21C (10-24).....	51.50	
02 86 00 00-0088	EA 55 Gallon Fiber Drum DOT-21C (25-49).....	47.64	
02 86 00 00-0089	EA 55 Gallon Fiber Drum DOT-21C (50-99).....	46.09	
02 86 00 00-0090	EA 55 Gallon Fiber Drum DOT-21C (100+).....	39.91	
02 86 00 00-0091	EA 10 Gallon, 20" Diameter, DOT 21C-250 Polyethylene/Polyester Lined .....	33.99	
02 86 00 00-0092	EA 20 Gallon, 20" Diameter, DOT 21C-250 Polyethylene/Polyester Lined .....	37.08	
02 86 00 00-0093	EA 20 Gallon, 23" Diameter, DOT 21C-250 Polyethylene/Polyester Lined .....	43.26	

02 86 00 00-0094	Loading Hazardous Waste For Shipment (02 86 00 00-0001)		
02 86 00 00-0095	EA Load Drums On Disposal Truck.....	10.42	
02 86 00 00-0096	EA Load Liquid Or Sludge Into 5,000 Gallon Bulk Tank Truck.....	1,120.41	

02 86 00 00-0097	Transport Drums To Landfill (02 86 00 00-0001)		
	Note: Includes transportation for up to 25 miles.		
02 86 00 00-0098	EA Transport Drum To Landfill .....	80.16	
	Note: Includes transportation for up to 25 miles.		

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

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

Note: All unit pricing in this section includes: materials, equipment, mobilization, preparation, removal, clean-up, vacuuming, transportation for up to 25 miles, disposal, monitoring (personnel and air), sampling/testing, fees, documentation and other associated costs necessary for the complete removal and disposal of mold in accordance with EPA, OSHA, IICRC standards and local regulations. Where types of Mold are listed by quantity, the quantity of the entire project, not a particular work area of building, is to be used in determining which tasks apply. For certain types of work, there is a task with a unit of measure of SET for a quantity of less than 100 LF or SF (Up to 25 LF for Mold Abatement pipe insulation), followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project. See CSI section 01 56 16 00-0035 for temporary stud walls, 01 74 19 00-0039 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0003 for plastic sheeting for containment construction, 02 89 00 00-0015 for decontamination chambers.

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

02 87 13 33-0001	Pipe And Pipe Fittings Insulation, Mold Abatement And Disposal (02 87 13 33)		
	Note: Treat fittings as additional lf of insulation.		
02 87 13 33-0002	Pipe Insulation, Mold Abatement And Disposal (02 87 13 33-0001)		
	Note: Diameter is outer size of insulation.		
02 87 13 33-0003	Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal (02 87 13 33-0002)		
	Note: Excludes encased fittings.		
02 87 13 33-0004	SET Up To 20 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal .....	615.93	
02 87 13 33-0005	LF >20 To 250 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal .....	23.90	
02 87 13 33-0006	LF >250 To 500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal .....	18.02	
02 87 13 33-0007	LF >500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal .....	13.61	
02 87 13 33-0008	LF >2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal .....	10.30	
02 87 13 33-0009	LF >10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	9.00	

02 87 13 33-0010	>6" Diameter Pipe Insulation, Mold Abatement And Disposal (02 87 13 33-0002)		
02 87 13 33-0011	SET Up To 20 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal .....	638.99	
02 87 13 33-0012	LF >20 To 250 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal .....	28.59	
02 87 13 33-0013	LF >250 To 500 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal .....	21.82	
02 87 13 33-0014	LF >500 To 2,500 LF, > 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	16.75	
02 87 13 33-0015	LF >2,500 To 10,000 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal .....	12.95	
02 87 13 33-0016	LF >10,000 LF, > 6" Diameter Pipe Insulation, Mold Abatement And Disposal .....	11.46	

02 87 13 33-0017	Thermal Insulation, Mold Abatement And Disposal (02 87 13 33)		
02 87 13 33-0018	Other Thermal Insulation, Up To 3" Thick, Mold Abatement And Disposal (02 87 13 33-0017)		
02 87 13 33-0019	SET Up To 50 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal .....	627.46	
02 87 13 33-0020	SF >50 To 500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal .....	13.89	
02 87 13 33-0021	SF >500 To 2,500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal .....	10.52	
02 87 13 33-0022	SF >2,500 To 10,000 SF, Up To 3" Thick Other Thermal Insulation, Mold Abatement And Disposal .....	7.98	
02 87 13 33-0023	SF >10,000 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal .....	6.21	

02 87 13 33-0024	Surfacing Material, Mold Abatement And Disposal (02 87 13 33)		
	Note: e.g. fireproofing, acoustical plaster, etc.		
02 87 13 33-0025	Stucco, Mold Abatement And Disposal (02 87 13 33-0024)		
	Note: Remove surface coat from brown coat or remove entire assembly, including lath.		
02 87 13 33-0026	SET Up To 50 SF, Stucco, Mold Abatement And Disposal .....	621.06	
02 87 13 33-0027	SF >50 To 500 SF, Stucco, Mold Abatement And Disposal .....	13.77	
02 87 13 33-0028	SF >500 To 2,500 SF, Stucco, Mold Abatement And Disposal .....	10.40	

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

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 13 33-0029	SF		>2,500 To 10,000 SF, Stucco, Mold Abatement And Disposal .....	7.86	
02 87 13 33-0030	SF		>10,000 SF, Stucco, Mold Abatement And Disposal .....	5.98	
<b>02 87 13 33-0031</b>			<b>Acoustical Plaster, Mold Abatement And Disposal</b> (02 87 13 33-0024) Note: Remove surface coat from brown coat or remove entire assembly, including lath.		
02 87 13 33-0032	SET		Up To 50 SF, Acoustical Plaster, Mold Abatement And Disposal .....	621.06	
02 87 13 33-0033	SF		>50 To 500 SF, Acoustical Plaster, Mold Abatement And Disposal .....	13.77	
02 87 13 33-0034	SF		>500 To 2,500 SF, Acoustical Plaster, Mold Abatement And Disposal .....	10.40	
02 87 13 33-0035	SF		>2,500 To 10,000 SF, Acoustical Plaster, Mold Abatement And Disposal .....	7.86	
02 87 13 33-0036	SF		>10,000 SF, Acoustical Plaster, Mold Abatement And Disposal .....	5.98	
<b>02 87 13 33-0037</b>			<b>Gypsum Board, Mold Abatement And Disposal</b> (02 87 13 33-0024)		
02 87 13 33-0038	SET		Up To 100 SF, Gypsum Board, Mold Abatement And Disposal .....	633.87	
02 87 13 33-0039	SF		>100 To 500 SF, Gypsum Board, Mold Abatement And Disposal .....	4.64	
02 87 13 33-0040	SF		>500 To 2,500 SF, Gypsum Board, Mold Abatement And Disposal .....	3.68	
02 87 13 33-0041	SF		>2,500 To 10,000 SF, Gypsum Board, Mold Abatement And Disposal .....	2.92	
02 87 13 33-0042	SF		>10,000 SF, Gypsum Board, Mold Abatement And Disposal .....	2.17	
<b>02 87 13 33-0043</b>			<b>Fireproofing, Mold Abatement And Disposal</b> (02 87 13 33-0024) Note: Exposed surface area, includes associated overspray.		
02 87 13 33-0044	SET		Up To 50 SF, Fireproofing, Mold Abatement And Disposal .....	627.46	
02 87 13 33-0045	SF		>50 To 500 SF, Fireproofing, Mold Abatement And Disposal .....	19.01	
02 87 13 33-0046	SF		>500 To 2,500 SF, Fireproofing, Mold Abatement And Disposal .....	14.37	
02 87 13 33-0047	SF		>2,500 To 10,000 SF, Fireproofing, Mold Abatement And Disposal .....	10.88	
02 87 13 33-0048	SF		>10,000 SF, Fireproofing, Mold Abatement And Disposal .....	8.25	
<b>02 87 13 33-0049</b>			<b>Flooring, Mold Abatement And Disposal</b> (02 87 13 33)		
02 87 13 33-0050			<b>Floor Tile Or Linoleum, Mold Abatement And Disposal</b> (02 87 13 33-0049)		
<b>02 87 13 33-0051</b>			<b>Floor Tile Or Linoleum, Mold Abatement And Disposal</b> (02 87 13 33-0050) Note: Single layer or first of multiple layers.		
02 87 13 33-0052	SET		Up To 100 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal .....	633.87	
02 87 13 33-0053	SF		>100 To 500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal .....	4.60	
			For Each Additional Layer, Add .....	1.15	
02 87 13 33-0054	SF		>500 To 2,500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal .....	2.60	
			For Each Additional Layer, Add .....	0.65	
02 87 13 33-0055	SF		>2,500 To 10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal .....	1.52	
			For Each Additional Layer, Add .....	0.38	
02 87 13 33-0056	SF		>10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal .....	1.20	
			For Each Additional Layer, Add .....	0.30	
<b>02 87 13 33-0057</b>			<b>Carpet, Mold Abatement And Disposal</b> (02 87 13 33-0049)		
<b>02 87 13 33-0058</b>			<b>Carpet, Glue Down, Mold Abatement And Disposal</b> (02 87 13 33-0057)		
02 87 13 33-0059	SET		Up To 100 SF, Carpet, Glue Down, Mold Abatement And Disposal .....	633.87	
02 87 13 33-0060	SF		>100 To 500 SF, Carpet, Glue Down, Mold Abatement And Disposal .....	3.84	
02 87 13 33-0061	SF		>500 To 2,500 SF, Carpet, Glue Down, Mold Abatement And Disposal .....	2.44	
02 87 13 33-0062	SF		>2,500 To 10,000 SF, Carpet, Glue Down, Mold Abatement And Disposal .....	1.64	
02 87 13 33-0063	SF		>10,000 SF, Carpet, Glue Down, Mold Abatement And Disposal .....	1.27	
<b>02 87 13 33-0064</b>			<b>Carpet, Padded With Tack Strips, Mold Abatement And Disposal</b> (02 87 13 33-0057)		
02 87 13 33-0065	SET		Up To 100 SF, Carpet And Pad, Mold Abatement And Disposal .....	633.87	
			Note: Includes tack strips.		
02 87 13 33-0066	SF		>100 To 500 SF, Carpet And Pad, Mold Abatement And Disposal .....	4.31	
			Note: Includes tack strips.		
02 87 13 33-0067	SF		>500 To 2,500 SF, Carpet And Pad, Mold Abatement And Disposal .....	3.16	
			Note: Includes tack strips.		
02 87 13 33-0068	SF		>2,500 To 10,000 SF, Carpet And Pad, Mold Abatement And Disposal .....	2.51	
			Note: Includes tack strips.		
02 87 13 33-0069	SF		>10,000 SF, Carpet And Pad, Mold Abatement And Disposal .....	1.95	
			Note: Includes tack strips.		
<b>02 87 13 33-0070</b>			<b>Subflooring, Mold Abatement And Disposal</b> (02 87 13 33-0049)		
02 87 13 33-0071	SET		Up To 75 SF, Subflooring, Mold Abatement And Disposal .....	627.46	
02 87 13 33-0072	SF		>75 To 500 SF, Subflooring, Mold Abatement And Disposal .....	5.29	
02 87 13 33-0073	SF		>500 To 2,500 SF, Subflooring, Mold Abatement And Disposal .....	3.41	
02 87 13 33-0074	SF		>2,500 To 10,000 SF, Subflooring, Mold Abatement And Disposal .....	2.08	
02 87 13 33-0075	SF		>10,000 SF, Subflooring, Mold Abatement And Disposal .....	1.35	
<b>02 87 13 33-0076</b>			<b>Siding, Mold Abatement And Disposal</b> (02 87 13 33)		
<b>02 87 13 33-0077</b>			<b>Interior Paneling, Mold Abatement And Disposal</b> (02 87 13 33-0076) Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0078	SET		Up To 100 SF, Interior Paneling, Mold Abatement And Disposal .....	633.87	
			Note: Includes detachment of mounted objects before removal.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 87 13 33-0079	SF		>100 To 500 SF, Interior Paneling, Mold Abatement And Disposal..... Note: Includes detachment of mounted objects before removal.	4.59	
02 87 13 33-0080	SF		>500 To 2,500 SF, Interior Paneling, Mold Abatement And Disposal..... Note: Includes detachment of mounted objects before removal.	3.24	
02 87 13 33-0081	SF		>2,500 To 10,000 SF, Interior Paneling, Mold Abatement And Disposal..... Note: Includes detachment of mounted objects before removal.	1.91	
02 87 13 33-0082	SF		>10,000 SF, Interior Paneling, Mold Abatement And Disposal..... Note: Includes detachment of mounted objects before removal.	1.48	
<b>02 87 13 33-0083</b>			<b>Exterior Siding, Mold Abatement And Disposal (02 87 13 33-0076)</b>		
02 87 13 33-0084	SET		Up To 100 SF, Exterior Siding Board, Mold Abatement And Disposal.....	633.87	
02 87 13 33-0085	SF		>100 To 500 SF, Exterior Siding Board, Mold Abatement And Disposal.....	5.69	
02 87 13 33-0086	SF		>500 To 2,500 SF, Exterior Siding Board, Mold Abatement And Disposal.....	3.97	
02 87 13 33-0087	SF		>2,500 To 10,000 SF, Exterior Siding Board, Mold Abatement And Disposal.....	2.69	
02 87 13 33-0088	SF		>10,000 SF, Exterior Siding Board, Mold Abatement And Disposal.....	2.44	
<b>02 87 13 33-0089</b>			<b>Contaminated Debris, Mold Abatement And Disposal (02 87 13 33)</b>		
<b>02 87 13 33-0090</b>			<b>Contaminated Debris, Mold Abatement And Disposal (02 87 13 33-0089)</b>		
02 87 13 33-0091	SET		Up To 20 CF, Contaminated Debris, Mold Abatement And Disposal.....	638.99	
02 87 13 33-0092	CF		>20 To 100 CF, Contaminated Debris, Mold Abatement And Disposal.....	22.58	
02 87 13 33-0093	CF		>100 To 250 CF, Contaminated Debris, Mold Abatement And Disposal.....	15.56	
02 87 13 33-0094	CF		>250 To 500 CF, Contaminated Debris, Mold Abatement And Disposal.....	12.06	
02 87 13 33-0095	CF		>500 To 2,500 CF, Contaminated Debris, Mold Abatement And Disposal.....	9.96	
02 87 13 33-0096	CF		>2,500 To 10,000 CF, Contaminated Debris, Mold Abatement And Disposal.....	6.14	
02 87 13 33-0097	CF		>10,000 CF, Contaminated Debris, Mold Abatement And Disposal.....	5.67	
<b>02 87 13 33-0098</b>			<b>Other Mold Containing Materials, Mold Abatement And Disposal (02 87 13 33)</b>		
<b>02 87 13 33-0099</b>			<b>Wood Studs, Mold Abatement And Disposal (02 87 13 33-0098)</b> Note: 2" x 4" or 2" x 6" exposed studs in walls. Excludes surfacing material.		
02 87 13 33-0100	SET		Up To 100 LF, Wood Studs, Mold Abatement And Disposal.....	316.93	
02 87 13 33-0101	LF		>100 To 500 LF, Wood Studs, Mold Abatement And Disposal.....	2.58	
02 87 13 33-0102	LF		>500 To 2,500 LF, Wood Studs, Mold Abatement And Disposal.....	1.93	
02 87 13 33-0103	LF		>2,500 To 10,000 LF, Wood Studs, Mold Abatement And Disposal.....	1.50	
02 87 13 33-0104	LF		>10,000 LF, Wood Studs, Mold Abatement And Disposal.....	1.15	
<b>02 87 13 33-0105</b>			<b>Ceiling Tile, Mold Abatement And Disposal (02 87 13 33-0098)</b> Note: e.g. grid, spline, or glued on; 12" x 12" to 2' x 4'.		
02 87 13 33-0106	SET		Up To 100 SF, Ceiling Tile, Mold Abatement And Disposal.....	633.87	
02 87 13 33-0107	SF		>100 To 1,000 SF, Ceiling Tile, Mold Abatement And Disposal.....	7.86	
02 87 13 33-0108	SF		>1,000 To 2,500 SF, Ceiling Tile, Mold Abatement And Disposal.....	3.72	
02 87 13 33-0109	SF		>2,500 To 10,000 SF, Ceiling Tile, Mold Abatement And Disposal.....	2.69	
02 87 13 33-0110	SF		>10,000 SF, Ceiling Tile, Mold Abatement And Disposal.....	2.44	
<b>02 87 13 33-0111</b>			<b>Caulking, Mold Abatement And Disposal (02 87 13 33-0098)</b>		
02 87 13 33-0112	SET		Up To 20 LF, Caulking, Mold Abatement And Disposal.....	152.48	
02 87 13 33-0113	LF		>20 To 50 LF, Caulking, Mold Abatement And Disposal.....	3.06	
02 87 13 33-0114	LF		>50 To 100 LF, Caulking, Mold Abatement And Disposal.....	2.20	
02 87 13 33-0115	LF		>100 To 250 LF, Caulking, Mold Abatement And Disposal.....	1.66	
02 87 13 33-0116	LF		>250 To 1,000 LF, Caulking, Mold Abatement And Disposal.....	1.24	
02 87 13 33-0117	LF		>1,000 To 2,500 LF, Caulking, Mold Abatement And Disposal.....	1.00	
02 87 13 33-0118	LF		>2,500 LF, Caulking, Mold Abatement And Disposal.....	0.87	
<b>02 87 13 33-0119</b>			<b>Wipe Down Walls, Ceilings And Floors (02 87 13 33-0098)</b>		
02 87 13 33-0120	CSF		Wipe Down Floors With Mild Bleach Solution..... For >25 To 50, Deduct For >50 To 200, Deduct For >200, Deduct	16.92 -1.69 -4.23 -6.76	
02 87 13 33-0121	CSF		Wipe Down Walls With Mild Bleach Solution..... For >25 To 50, Deduct For >50 To 200, Deduct For >200, Deduct	19.90 -1.99 -4.97 -7.95	
02 87 13 33-0122	CSF		Wipe Down Ceilings With Mild Bleach Solution..... For >25 To 50, Deduct For >50 To 200, Deduct For >200, Deduct	22.63 -2.26 -5.65 -9.04	
02 87 13 33-0123	CSF		Wipe Down Countertops With Mild Bleach Solution..... For >25 To 50, Deduct	18.45 -1.84	
02 87 13 33-0124	CSF		Wipe Down Other Surfaces With Mild Bleach Solution..... For >25 To 50, Deduct For >50 To 200, Deduct For >200, Deduct	23.42 -2.34 -5.85 -9.36	
<b>02 87 13 33-0125</b>			<b>Cabinets (02 87 13 33-0098)</b>		
02 87 13 33-0126	SET		Up To 10 LF, Base Cabinet, Mold Abatement And Disposal.....	675.59	
02 87 13 33-0127	LF		>10 To 20 LF, Base Cabinet, Mold Abatement And Disposal.....	71.20	
02 87 13 33-0128	LF		>20 LF, Base Cabinet, Mold Abatement And Disposal.....	52.97	
02 87 13 33-0129	SET		Up To 10 LF, Wall Cabinet, Mold Abatement And Disposal.....	629.48	

**02 Existing Conditions****02 80 Facility Remediation****02 87 Bio-Hazard Material Remediation**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

02 87 13 33-0130	LF	>10 To 20 LF, Wall Cabinet, Mold Abatement And Disposal .....	59.31
02 87 13 33-0131	LF	>20 LF, Wall Cabinet, Mold Abatement And Disposal .....	41.07

**02 87 16 Excrement Removal (02 87)**

Note: Includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, clean-up, vacuuming, disposal, personnel health monitoring, documentation and other associated costs necessary for the complete removal and disposal of the contaminated material in accordance with EPA and local regulations. The quantity of the entire project, not a particular work area, is to be used in determining which tasks apply. There is a task with a unit of measure of EA for a quantity of less than 10 SF, followed by a series of tasks for additional quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus each additional task in sequence to arrive at the total quantity for the entire project, not a particular work area.

**02 87 16 13 Bird Excrement Removal (02 87 16)****02 87 16 13-0001 Bird Waste Removal (02 87 16 13)**

Note: In addition to items listed the Bio-Hazard Material Remediation note above, includes wetting agents and disinfection of contaminated surfaces.

02 87 16 13-0002	EA	Up To 10 SF Bird Waste Removal, Up To 3" Thickness .....	608.25
		<i>For Work In Restricted Working Space, Add</i>	<i>182.48</i>
02 87 16 13-0003	SF	>10 To 500 SF Bird Waste Removal, Up To 3" Thickness .....	10.14
		<i>For Work In Restricted Working Space, Add</i>	<i>3.04</i>
02 87 16 13-0004	SF	>500 To 2,500 SF Bird Waste Removal, Up To 3" Thickness .....	9.21
		<i>For Work In Restricted Working Space, Add</i>	<i>2.76</i>
02 87 16 13-0005	SF	>2,500 To 10,000 SF Bird Waste Removal, Up To 3" Thickness .....	8.37
		<i>For Work In Restricted Working Space, Add</i>	<i>2.51</i>
02 87 16 13-0006	SF	>10,000 SF Bird Waste Removal, Up To 3" Thickness .....	7.62
		<i>For Work In Restricted Working Space, Add</i>	<i>2.29</i>

**02 87 19 Bio-Hazard and Infectious Disease Control Remediation (02 87)****02 87 19 00-0001 Temporary Barriers (02 87 19)****02 87 19 00-0002 Adjustable Barrier Panel System For Bio-Hazard And Infectious Disease Control (02 87 19 00-0001)**

Note: Panels are opal or transparent. Includes self leveling floor channel, 1/4" foam gasket to conform to ceiling, edge gaskets, grid clips, and cam locks.

02 87 19 00-0003	EA	4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4000) .....	841.89
02 87 19 00-0004	EA	3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4001) .....	799.35
02 87 19 00-0005	EA	2' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4002) .....	629.21
02 87 19 00-0006	EA	2' Wide x 7'-8" To 10' High With High Efficiency Particulate Air (HEPA) Filtered Air Discharge Port, Fire Rated Containment Panel Assembly (Edge Guard 4002.1) .....	728.46
02 87 19 00-0007	EA	6" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4005) .....	385.50
02 87 19 00-0008	EA	12" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4006) .....	413.86
02 87 19 00-0009	EA	3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 32" Door (Edge Guard 4010) .....	1,288.53
		Note: Includes a hydraulic closer and a lever style lockset standard.	
02 87 19 00-0010	EA	4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 44" Door (Edge Guard 4003) .....	1,430.32
		Note: Includes a hydraulic closer and a lever style lockset standard.	
02 87 19 00-0011	EA	4'-4" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 48" Door (Edge Guard 4008) .....	1,713.90
		Note: Includes a hydraulic closer and a lever style lockset standard.	
02 87 19 00-0012	EA	7'-8" To 10' High, Hinged Corner Assembly (Edge Guard 4004) .....	284.24
02 87 19 00-0013	EA	7'-8" To 10' High, Outside Corner Post (Edge Guard 4007) .....	234.61
02 87 19 00-0014	EA	7'-8" To 10' High, "T" Post Corner Assembly (Edge Guard 4009) .....	234.61
02 87 19 00-0015	EA	Closure Strips (Edge Guard 3003) .....	16.16
		Note: To seal panels to existing walls	
02 87 19 00-0016	EA	Digital Differential Pressure Gauge Kit (Edge Guard 3005) .....	395.41

**02 87 19 00-0017 Temporary Sheeting For Bio-Hazard And Infectious Disease Control (02 87 19 00-0001)**

Note: Includes removal and disposal in approved landfill after use.

02 87 19 00-0018	SF	6 Mil Plastic Sheeting, Applied To Floors, For Bio-Hazard And Infectious Disease Control .....	0.53
02 87 19 00-0019	SF	6 Mil Plastic Sheeting, Applied To Walls, For Bio-Hazard And Infectious Disease Control .....	0.70
02 87 19 00-0020	SF	6 Mil Plastic Sheeting, Applied To Ceilings, For Bio-Hazard And Infectious Disease Control .....	0.94
02 87 19 00-0021	SF	6 Mil Plastic Fire Retardant, Anti Static Sheeting, Applied To Floors, For Bio-Hazard And Infectious Disease Control .....	0.62
02 87 19 00-0022	SF	6 Mil Plastic Fire Retardant, Anti Static Retardant Sheeting, Applied To Walls, For Bio-Hazard And Infectious Disease Control .....	0.79
02 87 19 00-0023	SF	6 Mil Plastic Fire Retardant, Anti Static Retardant Sheeting, Applied To Ceilings, For Bio-Hazard And Infectious Disease Control .....	1.03

**02 87 19 00-0024 Temporary Floor Protection For Bio-Hazard And Infectious Disease Control (02 87 19 00-0001)**

Note: Includes removal after use.

02 87 19 00-0025	SF	Masonite Temporary Floor Protection For Bio-Hazard And Infectious Disease Control .....	2.02
02 87 19 00-0026	SF	1/2" Plywood Temporary Floor Protection For Bio-Hazard And Infectious Disease Control .....	2.44
02 87 19 00-0027	SF	3/4" Plywood Temporary Floor Protection For Bio-Hazard And Infectious Disease Control .....	3.15

**02 87 19 00-0028 Temporary Stud Wall For Bio-Hazard And Infectious Disease Control (02 87 19 00-0001)**

Note: Includes removal after use.

02 87 19 00-0029	SF	1/2" Gypsum Board On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control .....	6.41
02 87 19 00-0030	SF	1/2" Gypsum Board On Both Sides, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control .....	8.62
02 87 19 00-0031	SF	5/8" Type Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control .....	6.53



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 87 19 00-0032	SF		5/8" Type Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control.....	8.86	
02 87 19 00-0033	SF		6 Mil, Fire Retardant, Plastic Sheeting On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control.....	4.00	
<b>02 87 19 00-0034</b>			<b>Isolation Barriers For Bio-Hazard And Infectious Disease Control</b> (02 87 19 00-0001)		
02 87 19 00-0035	GSF		Tent Construction Utilizing Two Layers Of 6 Mil Fire Rated Plastic Sheeting For Bio-Hazard And Infectious Disease Control.....	23.13	
			Note: Includes support frame of 2x4s or PVC piping (ground SF) up to 6' to construct stand-alone tents (floor, walls and ceiling) with airlock.		
02 87 19 00-0036	GSF		Relocate Tent Construction To Different Area.....	2.74	
<b>02 87 19 00-0037</b>			<b>Plexiglass Barriers For Bio-Hazard And Infectious Disease Control</b> (02 87 19 00-0001)		
02 87 19 00-0038	SF		3/8" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control.....	20.75	
02 87 19 00-0039	SF		1/2" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control.....	24.56	
02 87 19 00-0040	SF		3/4" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control.....	34.67	
02 87 19 00-0041	PR		Install Pair Of 8" Diameter Glove Iris Port In Barrier For Bio-Hazard And Infectious Disease Control.....	1,216.96	
			Note: Excludes gloves.		
02 87 19 00-0042	PR		Pair Of 8" Diameter Economy Sleeved Gloves With Clamping Ring For Bio-Hazard And Infectious Disease Control.....	435.85	
			Note: For installation in glove iris port.		
02 87 19 00-0043	PR		Pair Of 8" Diameter Bellows Type Gloves With Clamping Ring For Bio-Hazard And Infectious Disease Control.....	692.18	
			Note: For installation in glove iris port.		
02 87 19 00-0044	EA		5-5/16" Diameter, Satin Anodized Aluminum, No-Draft Speak-Thru In Barrier For Bio-Hazard And Infectious Disease.....	131.17	
			Note: Includes gaskets and mounting screws for installation on glass from 1/4" (6 mm) to 1/2" (12 mm) thick. Require a minimum hole diameter of 2-1/4" (57 mm), and will cover holes up to 4-1/4" (108 mm). Recommended hole diameter is 3-1/2" (89 mm).		
<b>02 87 19 00-0045</b>			<b>Temporary Portable And Mobile Trailers</b> (02 87 19)		
<b>02 87 19 00-0046</b>			<b>Trailer Delivery</b> (02 87 19 00-0045)		
02 87 19 00-0047	EA		Deliver Trailer Within 25 Miles.....	1,104.10	
<b>02 87 19 00-0048</b>			<b>Portable And Mobile Trailers, Purchase</b> (02 87 19 00-0045)		
			Note: Includes cost to set-up, underpin, tie-downs, HVAC unit, lights, outlets, & phone jacks. Trailers shall have a 12' x 12' office area and 6' x 8' bathroom with sink, mirror, and water closet. Minimum of two pedestrian doors and a tinted/insulated 3' x 4' single hung window per 20 SF of wall area. Excludes connection of utilities.		
02 87 19 00-0049	EA		8' x 24' Mobile Trailer With Toilet, Purchase.....	10,580.46	
			For Tie-Downs, Add.....	105.00	
02 87 19 00-0050	EA		8' x 32' Mobile Trailer With Toilet, Purchase.....	14,944.89	
			For Tie-Downs, Add.....	105.00	
02 87 19 00-0051	EA		10' x 36' Mobile Trailer With Toilet, Purchase.....	21,318.56	
			For Tie-Downs, Add.....	105.00	
02 87 19 00-0052	EA		10' x 44' Mobile Trailer With Toilet, Purchase.....	26,634.76	
			For Tie-Downs, Add.....	105.00	
02 87 19 00-0053	EA		10' x 50' Mobile Trailer With Toilet, Purchase.....	30,279.63	
			For Tie-Downs, Add.....	105.00	
02 87 19 00-0054	EA		12' x 50' Mobile Trailer With Toilet, Purchase.....	31,836.10	
			For Tie-Downs, Add.....	105.00	
02 87 19 00-0055	EA		12' x 60' Mobile Trailer With Toilet, Purchase.....	35,423.73	
			For Tie-Downs, Add.....	105.00	
<b>02 87 19 00-0056</b>			<b>Accessories For Portable And Mobile Trailers</b> (02 87 19 00-0045)		
<b>02 87 19 00-0057</b>			<b>Skirting</b> (02 87 19 00-0056)		
			Note: Includes 2" x 4" wood framing 16" on center.		
02 87 19 00-0058	SF		1'-8" High Vinyl Covered Skirt.....	4.73	1.90
02 87 19 00-0059	SF		3' High Vinyl Covered Skirt.....	7.01	3.13
<b>02 87 19 00-0060</b>			<b>Aluminum Modular Access Ramp</b> (02 87 19 00-0056)		
			Note: Includes picketed guardrails, inside grabrails, legs and hardware.		
02 87 19 00-0061	EA		Up To 35" High, Aluminum Modular Access Ramp.....	3,091.57	36.34
<b>02 87 19 00-0062</b>			<b>Aluminum Modular Stairs</b> (02 87 19 00-0056)		
			Note: Excludes earthwork		
02 87 19 00-0063	EA		Aluminum Steps For Mobile Trailers.....	859.80	
<b>02 87 19 00-0064</b>			<b>Decontamination Chambers For Bio-Hazard And Infectious Disease Control</b> (02 87 19)		
			Note: Includes removal after use.		
02 87 19 00-0065	EA		Portable Personnel Decontamination Wash Facility (3 Stage) For Bio-Hazard And Infectious Disease Control.....	858.83	
			Note: Includes connection to negative air system.		
02 87 19 00-0066	EA		Portable Personnel Decontamination Wash Facility (5 Stage) For Bio-Hazard And Infectious Disease Control.....	1,013.23	
			Note: Includes connection to negative air system.		
02 87 19 00-0067	EA		Portable Waste Decontamination Unit For Bio-Hazard And Infectious Disease Control.....	532.21	
			Note: Includes connection to negative air system.		

**02 Existing Conditions****02 80 Facility Remediation****02 87 Bio-Hazard Material Remediation**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

02 87 19 00-0068	<b>Bio-Hazard And Infectious Disease Control Cleaning, Level 2</b> <small>(02 87 19)</small>		
	Note: Includes worker personal protection equipment suites, gloves and masks. Level 1 Biohazard - Minor bacteria and viruses as well as non-infectious bacteria. Microbes are not known to cause disease in healthy hosts and pose minimal risk to workers and the environment. Level 2 Biohazard - Bacteria and viruses that cause mild disease or are difficult to contract. Microbes are typically indigenous and are associated with diseases of varying severity. They pose moderate risk to workers and the environment. Level 3 Biohazard - Microbes are indigenous or exotic and cause serious or potential lethal diseases through respiratory transmission. Disposal of materials used to wipe down surfaces in approved landfill after use. See CSI section 02 87 19 00-0138 for disposal of material into approved landfill.		
02 87 19 00-0069	<b>Bio-Hazard And Infectious Disease Control Cleaning Mobilization</b> <small>(02 87 19 00-0068)</small>		
02 87 19 00-0070	EA Bio-Hazard And Infectious Disease Control Mobilization And Set-Up.....	359.64	
	Note: Mobilization and set-up minimum for each site location.		
02 87 19 00-0071	<b>Bio-Hazard And Infectious Disease Control Cleaning Of Surfaces</b> <small>(02 87 19 00-0068)</small>		
	Note: Includes electrostatic spraying of surfaces with mild bleach, wet mop/wipe, disinfect and high efficiency particulate air (HEPA) vacuum surfaces		
02 87 19 00-0072	CSF Cleaning Of Floors For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution .....	26.66	
	For >25 To 50, Deduct	-2.66	
	For >50 To 200, Deduct	-5.33	
	For >200, Deduct	-7.99	
	For Cleaning Surfaces With Goldshield® GS5, Add	11.81	
	For Level 1 Biohazard Cleaning, Deduct	-5.33	
	For Level 3 Biohazard Cleaning, Add	8.79	
02 87 19 00-0073	CSF Cleaning Of Walls For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution .....	31.37	
	For >25 To 50, Deduct	-3.14	
	For >50 To 200, Deduct	-6.27	
	For >200, Deduct	-9.41	
	For Cleaning Surfaces With Goldshield® GS5, Add	11.81	
	For Level 1 Biohazard Cleaning, Deduct	-6.27	
	For Level 3 Biohazard Cleaning, Add	10.35	
02 87 19 00-0074	CSF Cleaning Of Ceilings For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution .....	35.67	
	For >25 To 50, Deduct	-3.57	
	For >50 To 200, Deduct	-7.13	
	For >200, Deduct	-10.70	
	For Cleaning Surfaces With Goldshield® GS5, Add	11.81	
	For Level 1 Biohazard Cleaning, Deduct	-7.13	
	For Level 3 Biohazard Cleaning, Add	11.76	
02 87 19 00-0075	CSF Cleaning Of Countertops For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution.....	29.08	
	For Cleaning Surfaces With Goldshield® GS5, Add	11.81	
	For >5 To 10, Deduct	-1.45	
	For >10 To 50, Deduct	-2.91	
	For >50, Deduct	-5.81	
	For Level 1 Biohazard Cleaning, Deduct	-5.81	
	For Level 3 Biohazard Cleaning, Add	9.59	
02 87 19 00-0076	CSF Cleaning Of Other Surfaces For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution .....	36.91	
	For >25 To 50, Deduct	-3.69	
	For >50 To 200, Deduct	-7.38	
	For >200, Deduct	-11.07	
	For Cleaning Surfaces With Goldshield® GS5, Add	11.81	
	For Level 1 Biohazard Cleaning, Deduct	-7.38	
	For Level 3 Biohazard Cleaning, Add	12.17	
02 87 19 00-0077	<b>Bio-Hazard And Infectious Disease Control Cleaning Of Equipment And Materials</b> <small>(02 87 19 00-0068)</small>		
	Note: Includes spraying of surfaces with mild bleach, wet mop/wipe and disinfect		
02 87 19 00-0078	EA Cleaning Of Plumbing Fixture For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution .....	68.91	
	For Level 1 Biohazard Cleaning, Deduct	-13.78	
	For Level 3 Biohazard Cleaning, Add	22.73	
	For Cleaning Surfaces With Goldshield® GS5, Add	5.90	
02 87 19 00-0079	EA Cleaning Of Restroom Accessory For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution .....	31.63	
	For Level 1 Biohazard Cleaning, Deduct	-6.32	
	For Level 3 Biohazard Cleaning, Add	10.43	
	For Cleaning Surfaces With Goldshield® GS5, Add	3.94	
02 87 19 00-0080	EA Cleaning Of Kitchen Appliance For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution.....	111.00	
	For Level 1 Biohazard Cleaning, Deduct	-22.20	
	For Level 3 Biohazard Cleaning, Add	36.62	
	For Cleaning Surfaces With Goldshield® GS5, Add	5.90	
02 87 19 00-0081	EA Cleaning Of Electrical Switch/Receptacle For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution.....	6.84	
	For Level 1 Biohazard Cleaning, Deduct	-1.36	
	For Level 3 Biohazard Cleaning, Add	2.25	
	For Cleaning Surfaces With Goldshield® GS5, Add	1.18	
02 87 19 00-0082	EA Cleaning Of WorkStation, Exterior Wipe For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution Clean-up .....	102.33	
	Note: Includes desk, chair, computer, monitor(s), keyboard, mouse, lamp, drawers		
	For Level 1 Biohazard Cleaning, Deduct	-20.46	
	For Level 3 Biohazard Cleaning, Add	33.76	
	For Cleaning Surfaces With Goldshield® GS5, Add	5.90	
02 87 19 00-0083	EA Cleaning Of Knobs, Latches, And Locks For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution Clean-up .....	10.93	
	For Level 1 Biohazard Cleaning, Deduct	-2.18	
	For Level 3 Biohazard Cleaning, Add	3.60	
	For Cleaning Surfaces With Goldshield® GS5, Add	1.18	
02 87 19 00-0084	<b>Bio-Hazard And Infectious Disease Control Cleaning Of Ductwork</b> <small>(02 87 19 00-0068)</small>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0085	LF		Up To 2 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning .....	4.01	
			For Level 1 Biohazard Cleaning, Deduct .....	-0.80	
			For Level 3 Biohazard Cleaning, Add .....	1.32	
02 87 19 00-0086	LF		>2 SF To 4 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning .....	5.05	
			For Level 1 Biohazard Cleaning, Deduct .....	-1.00	
			For Level 3 Biohazard Cleaning, Add .....	1.65	
02 87 19 00-0087	LF		>4 SF To 8 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning .....	6.76	
			For Level 1 Biohazard Cleaning, Deduct .....	-1.33	
			For Level 3 Biohazard Cleaning, Add .....	2.20	
02 87 19 00-0088	LF		>8 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning .....	9.56	
			For Level 1 Biohazard Cleaning, Deduct .....	-1.87	
			For Level 3 Biohazard Cleaning, Add .....	3.09	
02 87 19 00-0089	EA		Clean Duct Coil For Bio-Hazard And Infectious Disease Control Cleaning .....	179.84	
			For Level 1 Biohazard Cleaning, Deduct .....	-35.96	
			For Level 3 Biohazard Cleaning, Add .....	59.34	
02 87 19 00-0090	SF		Clean Duct Dampers And Vane Sets For Bio-Hazard And Infectious Disease Control Cleaning .....	12.51	
			For Level 1 Biohazard Cleaning, Deduct .....	-2.50	
			For Level 3 Biohazard Cleaning, Add .....	4.12	
02 87 19 00-0091	EA		Clean Fan Coil Unit (FCU) Or Variable Air Volume (VAV) Unit For Bio-Hazard And Infectious Disease Control Cleaning .....	119.90	
			For Level 1 Biohazard Cleaning, Deduct .....	-23.98	
			For Level 3 Biohazard Cleaning, Add .....	39.56	
02 87 19 00-0092	EA		Clean Air Handling Unit Fan And Coil For Bio-Hazard And Infectious Disease Control Cleaning .....	359.66	
			For Level 1 Biohazard Cleaning, Deduct .....	-71.93	
			For Level 3 Biohazard Cleaning, Add .....	118.68	
02 87 19 00-0093	EA		Clean Grille/Diffuser/Register For Bio-Hazard And Infectious Disease Control Cleaning .....	29.99	
			Note: Includes removal and reinstallation.		
			For Level 1 Biohazard Cleaning, Deduct .....	-5.99	
			For Level 3 Biohazard Cleaning, Add .....	9.89	
02 87 19 00-0094	SF		Apply Sporidicin Disinfectant To Ductwork And Surfaces After Cleaning For Bio-Hazard And Infectious Disease Control Cleaning .....	0.53	
			For Level 1 Biohazard Cleaning, Deduct .....	-0.10	
			For Level 3 Biohazard Cleaning, Add .....	0.16	
02 87 19 00-0095	SF		Apply Goldshield® GS5 Antimicrobial Agent To Ductwork And Surfaces After Cleaning For Bio-Hazard And Infectious Disease Control Cleaning .....	0.60	
			For Level 1 Biohazard Cleaning, Deduct .....	-0.10	
			For Level 3 Biohazard Cleaning, Add .....	0.16	
<b>02 87 19 00-0096</b>			<b>Bio-Hazard And Infectious Disease Control Equipment Rental <small>(02 87 19)</small></b>		
			Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.		
02 87 19 00-0097	DAY		Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Clean-up .....	137.11	
02 87 19 00-0098	WK		Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Clean-up .....	583.97	
02 87 19 00-0099	MO		Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Clean-up .....	1,635.12	
02 87 19 00-0100	DAY		Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Clean-up .....	126.55	
02 87 19 00-0101	WK		Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Clean-up .....	348.01	
02 87 19 00-0102	MO		Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Clean-up .....	949.11	
02 87 19 00-0103	DAY		Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Clean-up .....	39.92	
02 87 19 00-0104	WK		Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Clean-up .....	109.78	
02 87 19 00-0105	MO		Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Clean-up .....	299.39	
02 87 19 00-0106	DAY		Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Clean-up .....	81.38	
02 87 19 00-0107	WK		Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Clean-up .....	334.24	
02 87 19 00-0108	MO		Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Clean-up .....	1,009.97	
02 87 19 00-0109	EA		High Efficiency Particulate Air (HEPA) Filter, 99.99% Efficient At 0.3 Micron For Negative Air Machine For Bio-Hazard And Infectious Disease Control Clean-up .....	167.57	
			Note: Required if over 800 hours operation.		
02 87 19 00-0110	DAY		20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....	397.89	
02 87 19 00-0111	WK		20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....	795.77	
02 87 19 00-0112	MO		20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....	1,591.55	
02 87 19 00-0113	DAY		20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....	530.52	
02 87 19 00-0114	WK		20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....	1,061.03	
02 87 19 00-0115	MO		20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....	2,122.06	
02 87 19 00-0116	DAY		20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....	794.59	
02 87 19 00-0117	WK		20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....	1,589.18	
02 87 19 00-0118	MO		20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....	3,178.36	
02 87 19 00-0119	DAY		20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....	1,059.45	
02 87 19 00-0120	WK		20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....	2,118.91	
02 87 19 00-0121	MO		20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....	4,237.82	
02 87 19 00-0122	DAY		20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....	1,324.32	
02 87 19 00-0123	WK		20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....	2,648.64	
02 87 19 00-0124	MO		20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....	5,297.27	
02 87 19 00-0125	EA		Set-Up 20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....	109.64	
			Note: Includes staking down tent.		
02 87 19 00-0126	EA		Set-Up 20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....	219.29	
			Note: Includes staking down tent.		
02 87 19 00-0127	EA		Set-Up 20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....	657.86	
			Note: Includes staking down tent.		
02 87 19 00-0128	EA		Set-Up 20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....	1,315.72	
			Note: Includes staking down tent.		

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

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

02 87 19 00-0129	EA	Set-Up 20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	2,192.86
		Note: Includes staking down tent.	
02 87 19 00-0130	DAY	Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Clean-up.....	87.00
02 87 19 00-0131	WK	Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Clean-up.....	239.26
02 87 19 00-0132	MO	Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Clean-up.....	652.53
<b>02 87 19 00-0133</b>		<b>Bio-Hazard And Infectious Disease Control Hauling By Truck</b> <small>(02 87 19)</small>	
		Note: Includes driver and equipment, ten (10) to fifteen (15) minutes load time, time for travel, dump time and return (roundtrip). The task quantity is the number of miles to the disposal site/transfer station (one-way mileage) using an appropriately sized truck.	
02 87 19 00-0134	EA	Hauling With 2-3 CY Pick-up Truck, Van Or Trailer, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Clean Up.....	98.82
		Note: Each first 15 miles per trip	
		For Each Additional Mile Over First 15 Miles, Add Per Mile	1.24
02 87 19 00-0135	EA	Hauling With 6 To 8 CY Dump Truck, Up To 15 Miles For Bio-Hazard And Infectious Control Clean Up.....	154.67
		Note: Each first 15 miles per trip	
		For Each Additional Mile Over First 15 Miles, Add Per Mile	1.93
02 87 19 00-0136	EA	Hauling With 10 To 12 CY Dump Truck, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Clean Up.....	160.56
		Note: Each first 15 miles per trip	
		For Each Additional Mile Over First 15 Miles, Add Per Mile	2.01
02 87 19 00-0137	EA	Hauling With 16' To 20', Box Or Flat Bed Truck, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Clean Up.....	166.89
		Note: Each first 15 miles per trip	
		For Each Additional Mile Over First 15 Miles, Add Per Mile	2.09
<b>02 87 19 00-0138</b>		<b>Bio-Hazard And Infectious Disease Control Disposal</b> <small>(02 87 19)</small>	
		Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.	
02 87 19 00-0139	CY	Bio-Hazard And Infectious Disease Control Landfill Dump Fee.....	41.49
<b>02 87 19 00-0140</b>		<b>BLU-MED Response Systems® (BLU-MED) Deployable Medical Facilities™ and Emergency Shelters</b> <small>(02 87 19)</small>	
		Note: Includes delivery and set-up of facility, electrical, lighting and HVAC. Excludes medical equipment.	
02 87 19 00-0141	EA	20' x 32.5' Medical Shelter with 1-phase electrical, 60 Hertz (BLU-MED BM-2032.5-MS/1P).....	36,829.73
02 87 19 00-0142	EA	7' x 8' Entry Vestibule (BLU-MED BM-MS-VEST).....	3,540.57
02 87 19 00-0143	EA	Vestibule End Panel with Bump Thru Door (BLU-MED BM-7x8-VEP04).....	5,858.21
02 87 19 00-0144	SF	Sub Flooring For Medical Shelter (AKS-AB846).....	5.49
02 87 19 00-0145	EA	Upgrade To Large Roto-Mold Container, Blue (AK-ULC-5).....	1,607.96
02 87 19 00-0146	EA	Environmental Control Unit-5 Ton, 60 Hertz, Blue (AK-ECU-5T-5).....	26,336.31
02 87 19 00-0147	EA	3' ECU to Generator Pigtail, 60 Hertz (AKS-AC915).....	917.98
02 87 19 00-0148	EA	Negative Pressure Isolation (NPI) System (AK-NPIS-5).....	41,452.91
		Note: Including: (1) Germicidal/high efficiency particulate air (HEPA) Filter Unit; (1) Monitor/Alarm with Motorized Damper; (1) Isolation Partition for 20'-Wide Shelter; (1) NPI Accessories Case	
02 87 19 00-0149	EA	6' Step Ladder (AKS-AC595).....	250.60
02 87 19 00-0150	EA	10 Lbs Sledgehammer (AKS-AA268).....	75.57
<b>02 87 19 00-0151</b>		<b>Bio-Hazard And Infectious Disease Time And Material Tasks</b> <small>(02 87 19)</small>	
		Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.	
<b>02 87 19 00-0152</b>		<b>Bio-Hazard And Infectious Disease Control Labor</b> <small>(02 87 19 00-0151)</small>	
		Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.	
02 87 19 00-0153	HR	General Laborer For Bio-Hazard And Infectious Disease Control Clean Up.....	94.48
02 87 19 00-0154	HR	Skilled Tradesman For Bio-Hazard And Infectious Disease Control Clean Up.....	131.73
02 87 19 00-0155	HR	Biohazard Technician For Bio-Hazard And Infectious Disease Control Clean Up.....	101.25
02 87 19 00-0156	HR	Biohazard Supervisor For Bio-Hazard And Infectious Disease Control Clean Up.....	121.74
02 87 19 00-0157	HR	Project Manager For Bio-Hazard And Infectious Disease Control Clean Up.....	133.89
<b>02 87 19 00-0158</b>		<b>Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment</b> <small>(02 87 19 00-0151)</small>	
		Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.	
02 87 19 00-0159	EA	Tyvek Coveralls For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment.....	13.21
02 87 19 00-0160	EA	Tyvek Coveralls With Hood, Boots, Elastic Wrists And Ankles For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment.....	21.63
02 87 19 00-0161	PR	Polycarbonate Lens Safety Goggles For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment.....	14.02
02 87 19 00-0162	EA	Dual Cartridge Half-Mask Respirator For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment.....	101.99
02 87 19 00-0163	EA	Cartridge - Respirator For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment.....	46.17
02 87 19 00-0164	EA	Full Face Respirator For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment.....	311.16
		Note: Respirator Connection Type: Bayonet, 4 pt. Full Face Suspension	
02 87 19 00-0165	EA	14-1/2" Width x 9" Height Polycarbonate Visor Faceshield For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment.....	42.54
		Note: Includes basic impact ratchet headgear and faceshield safety system. ANSI Z87.1-2010	
02 87 19 00-0166	EA	19" Width x 11" Height Polycarbonate Visor Attachment To Hardhat For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment.....	77.28
		Note: Includes clear polycarbonate crown and chin guard system for hardhat. The chin guard extends below the chin, the shield extends passed the ear, and the crown extends over the forehead to the front of the hardhat. ANSI Z87.1-2015. Excludes hardhat.	
02 87 19 00-0167	BOX	Box of 100, 5 Mil, Disposable Latex Gloves For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment.....	23.95

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 87 19 00-0168	EA		Gloves - Rubber (Heavy Duty) For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment .....	20.45	
02 87 19 00-0169	EA		Belt-Mounted, Universal Mask, Powered Air Purifying Respirator (PAPR) System Kit For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment .....	2,079.85	
Note: Kit includes NIOSH Approved with Draeger DHR 7000, C420 Blower, Single-Speed Toggle, Battery - LiSO2 (BA5800/U), C420 Breathing Tube Assembly with 75 Degrees Swivel, Decon Belt Assembly 70" x 2", C420 Airflow Indicator (Afi), Micronel Safety M95 Cartridge (2), Molded Case, Black, CBRN Breathing Tube Assembly					

**02 87 19 00-0170 Bio-Hazard And Infectious Disease Control Expendables** (02 87 19 00-0151)  
 Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections. See CSI section 01 56 16 00-0001 for temporary sheeting, 01 56 16 00-0035 for temporary walls.

02 87 19 00-0171	GAL		Bleach For Bio-Hazard And Infectious Disease Control Clean-up .....	10.30	
02 87 19 00-0172	EA		N95 Masks For Bio-Hazard And Infectious Disease Control Clean-up .....	3.42	
02 87 19 00-0173	GAL		Disinfectant/Antimicrobial For Bio-Hazard And Infectious Disease Control Clean Up .....	100.95	
02 87 19 00-0174	GAL		Goldshield® G55 Antimicrobial Concentrate For Bio-Hazard And Infectious Disease Control Clean-up .....	283.40	
Note: Mix 1 gallon in 5 gallons of water to produce 6 gallons of ready-to-use product. Use on any surface for bacterial inhibition up to 30 days					
02 87 19 00-0175	QT		Hand Sanitizer For Bio-Hazard And Infectious Disease Control Clean-up .....	10.70	
02 87 19 00-0176	EA		Sponges - Dry For Bio-Hazard And Infectious Disease Control Clean-up .....	5.04	
02 87 19 00-0177	ROL		Tape - Duct, 2" x 50 YD For Bio-Hazard And Infectious Disease Control Clean-up .....	13.14	
02 87 19 00-0178	EA		UV Mini Light, Handheld For Bio-Hazard And Infectious Disease Control Clean-up .....	61.92	
02 87 19 00-0179	ROL		Visqueen 1 Mil, 12' x 400', For Bio-Hazard And Infectious Disease Control Clean-up .....	52.96	
02 87 19 00-0180	LB		Wipes, Terry Cloth 14" x 17" For Bio-Hazard And Infectious Disease Control Clean-up .....	7.81	
02 87 19 00-0181	EA		Wyp-Alls, Case, 160 Wipes For Bio-Hazard And Infectious Disease Control Clean-up .....	15.76	
02 87 19 00-0182	ROL		6 Mil, 55 Gallon Trash Bags, 50/Roll For Bio-Hazard And Infectious Disease Control Clean Up .....	163.02	

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

**02 89 00 00-0001 Barriers And Protection** (02 89)  
 Note: Includes removal and disposal after use.

**02 89 00 00-0002 Isolation Barriers/Infectious Control** (02 89 00 00-0001)  
 See CSI section 01 56 16 00-0035 for temporary stud walls.

**02 89 00 00-0003 Hazmat Containment Construction Plastic Sheeting** (02 89 00 00-0001)

02 89 00 00-0004	SF		6 Mil Plastic Sheeting, Applied To Floors, Hazmat Containment Construction .....	0.37	
02 89 00 00-0005	SF		6 Mil Plastic Sheeting, Applied To Walls, Hazmat Containment Construction .....	0.49	
02 89 00 00-0006	SF		6 Mil Plastic Sheeting, Applied To Ceilings, Hazmat Containment Construction .....	0.65	
02 89 00 00-0007	SF		6 Mil Plastic Fire Retardant, Anti Static Sheeting, Applied To Floors, Hazmat Containment Construction .....	0.63	
02 89 00 00-0008	SF		6 Mil Plastic Fire Retardant, Anti Static Retardant Sheeting, Applied To Walls, Hazmat Containment Construction .....	0.80	
02 89 00 00-0009	SF		6 Mil Plastic Fire Retardant, Anti Static Retardant Sheeting, Applied To Ceilings, Hazmat Containment Construction .....	1.05	

**02 89 00 00-0010 Cleaning Surfaces** (02 89 00 00-0001)  
 Note: Other surfaces outside contamination area but not contaminated by, or part of removal.

02 89 00 00-0011	SF		Up To 100 SF, Clean Non-Asbestos Surface .....	1.48	
02 89 00 00-0012	SF		>100 To 500 SF, Clean Non-Asbestos Surface .....	1.04	
02 89 00 00-0013	SF		>500 To 1,000 SF, Clean Non-Asbestos Surface .....	0.68	
02 89 00 00-0014	SF		>1,000 SF, Clean Non-Asbestos Surface .....	0.53	

**02 89 00 00-0015 Decontamination Chambers** (02 89)  
 Note: Includes removal after use.

02 89 00 00-0016	EA		3 Stage Portable Personnel Decontamination Wash Facility .....	863.06	
Note: Includes connection to negative air system.					
02 89 00 00-0017	EA		5 Stage Portable Personnel Decontamination Wash Facility .....	1,018.30	
Note: Includes connection to negative air system.					
02 89 00 00-0018	EA		Portable Waste Decontamination Unit .....	535.59	
Note: Includes connection to negative air system.					
				<i>For Dismantling And Relocation To A Different Area, Add</i>	354.92

**02 90 Disaster Recovery** (02)

Note: The tasks in this division are only to be used when specifically requested by the Owner and are not to be combined with tasks from other divisions of this or other Construction Task Catalogs® unless specifically requested by the Owner.

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

**02 90 50 00-0001 Non-Mold Contaminated Wet Material Removal** (02 90 50)  
 Note: For materials not requiring mold abatement.

02 90 50 00-0002	SY		Wet Broadloom Carpet Removal For Disaster Clean-up .....	23.30	
02 90 50 00-0003	SY		Wet Carpet Tile Removal For Disaster Clean-up .....	5.67	
02 90 50 00-0004	SF		Wet Batt Insulation Removal For Disaster Clean-up .....	0.47	
02 90 50 00-0005	SF		Wet Ceiling Tile Removal For Disaster Clean-up .....	0.57	
02 90 50 00-0006	SF		Single Layer, Wet Gypsum Board Removal For Disaster Clean-up .....	0.55	
02 90 50 00-0007	SF		Double Layer, Wet Gypsum Board Removal For Disaster Clean-up .....	0.87	

**02 90 50 00-0008 Cleaning** (02 90 50)  
 Note: Use "Light Clean" when soot or dust is barely evident. Use "Medium Clean" when paint color can be seen through the soot or dust. Use "Heavy Clean" when paint color cannot be seen. Includes all man power, equipment and expendables required

**02 90 50 00-0009 Clean Furnishings** (02 90 50 00-0008)

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

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

02 90 50 00-0010	EA	Office Equipment, Exterior Wipe For Disaster Clean-up .....	27.80	
		<i>For Medium Clean, Add</i>	11.68	
		<i>For Heavy Clean, Add</i>	36.14	
02 90 50 00-0011	SF	Bookcase (Per SF Of Face Area), Light Clean For Disaster Clean-up .....	1.55	
		<i>For Medium Clean, Add</i>	0.65	
		<i>For Heavy Clean, Add</i>	2.02	
02 90 50 00-0012	LF	Shelving, Light Clean For Disaster Clean-up .....	2.78	
		<i>For Medium Clean, Add</i>	1.17	
		<i>For Heavy Clean, Add</i>	3.61	
02 90 50 00-0013	EA	Plastic Or Metal Chair, Light Clean For Disaster Clean-up .....	8.03	
		<i>For Medium Clean, Add</i>	3.37	
		<i>For Heavy Clean, Add</i>	10.44	
02 90 50 00-0014	EA	Upholstered Chair, Light Clean For Disaster Clean-up .....	25.95	
		<i>For Medium Clean, Add</i>	10.90	
		<i>For Heavy Clean, Add</i>	33.74	
02 90 50 00-0015	EA	Upholstered Sofa, Light Clean For Disaster Clean-up .....	159.98	
		<i>For Medium Clean, Add</i>	67.19	
		<i>For Heavy Clean, Add</i>	207.97	
02 90 50 00-0016	EA	Desk, Light Clean For Disaster Clean-up .....	32.74	
		<i>For Medium Clean, Add</i>	13.75	
		<i>For Heavy Clean, Add</i>	42.56	
02 90 50 00-0017	EA	Table, Light Clean For Disaster Clean-up .....	30.89	
		<i>For Medium Clean, Add</i>	12.97	
		<i>For Heavy Clean, Add</i>	40.16	
02 90 50 00-0018	EA	Two Drawer File Cabinet, Light Clean For Disaster Clean-up .....	6.77	
		<i>For Medium Clean, Add</i>	2.84	
		<i>For Heavy Clean, Add</i>	8.80	
02 90 50 00-0019	EA	Four Drawer File Cabinet, Light Clean For Disaster Clean-up .....	8.66	
		<i>For Medium Clean, Add</i>	3.64	
		<i>For Heavy Clean, Add</i>	11.26	
02 90 50 00-0020	LF	Base Cabinet, Exterior Wipe, Light Clean For Disaster Clean-up .....	7.11	
		<i>For Medium Clean, Add</i>	2.99	
		<i>For Heavy Clean, Add</i>	9.24	
02 90 50 00-0021	LF	Base Cabinet, Exterior And Interior Wipe, Light Clean For Disaster Clean-up .....	13.90	
		<i>For Medium Clean, Add</i>	5.84	
		<i>For Heavy Clean, Add</i>	18.07	
02 90 50 00-0022	LF	Wall Cabinet, Exterior Wipe, Light Clean For Disaster Clean-up .....	7.11	
		<i>For Medium Clean, Add</i>	2.99	
		<i>For Heavy Clean, Add</i>	9.24	
02 90 50 00-0023	LF	Wall Cabinet, Exterior And Interior Wipe, Light Clean For Disaster Clean-up .....	12.35	
		<i>For Medium Clean, Add</i>	5.19	
		<i>For Heavy Clean, Add</i>	16.06	
02 90 50 00-0024	EA	Picture Frame, Glass And Back, Light Clean For Disaster Clean-up .....	2.96	
		<i>For Medium Clean, Add</i>	1.24	
		<i>For Heavy Clean, Add</i>	3.85	

**02 90 50 00-0025 Clean Hard Surfaces (02 90 50 00-0008)**

02 90 50 00-0026	LF	Wood, Vinyl Or Rubber Baseboard, Light Clean For Disaster Clean-up .....	0.40	
		<i>For Medium Clean, Add</i>	0.17	
		<i>For Heavy Clean, Add</i>	0.52	
02 90 50 00-0027	EA	Door And Hardware (Per Side), Light Clean For Disaster Clean-up .....	5.25	
		<i>For Medium Clean, Add</i>	2.21	
		<i>For Heavy Clean, Add</i>	6.83	
02 90 50 00-0028	EA	Detailed Door And Hardware (Per Side), Light Clean For Disaster Clean-up .....	5.95	
		<i>For Medium Clean, Add</i>	2.50	
		<i>For Heavy Clean, Add</i>	7.74	
02 90 50 00-0029	SF	Overhead Door, Light Clean For Disaster Clean-up .....	0.42	
		<i>For Medium Clean, Add</i>	0.18	
		<i>For Heavy Clean, Add</i>	0.55	
02 90 50 00-0030	SF	Mirror, Light Clean For Disaster Clean-up .....	0.31	
		<i>For Medium Clean, Add</i>	0.13	
		<i>For Heavy Clean, Add</i>	0.40	
02 90 50 00-0031	SF	Window, Light Clean For Disaster Clean-up .....	0.91	
		<i>For Medium Clean, Add</i>	0.38	
		<i>For Heavy Clean, Add</i>	1.18	
02 90 50 00-0032	LF	Handrail, Light Clean For Disaster Clean-up .....	0.81	
		<i>For Medium Clean, Add</i>	0.34	
		<i>For Heavy Clean, Add</i>	1.05	
02 90 50 00-0033	LF	Bumper Rail, Light Clean For Disaster Clean-up .....	0.44	
		<i>For Medium Clean, Add</i>	0.18	
		<i>For Heavy Clean, Add</i>	0.57	
02 90 50 00-0034	SF	Hard Floor, Light Clean For Disaster Clean-up .....	0.36	
		<i>For Medium Clean, Add</i>	0.15	
		<i>For Heavy Clean, Add</i>	0.47	
02 90 50 00-0035	SF	Carpet, Light Clean For Disaster Clean-up .....	0.37	
		<i>For Medium Clean, Add</i>	0.16	
		<i>For Heavy Clean, Add</i>	0.48	
02 90 50 00-0036	SF	Hard Ceiling, Light Clean For Disaster Clean-up .....	0.28	
		<i>For Medium Clean, Add</i>	0.12	
		<i>For Heavy Clean, Add</i>	0.36	
02 90 50 00-0037	SF	Suspended Ceiling, Tile And Grid, Light Clean For Disaster Clean-up .....	0.31	
		<i>For Medium Clean, Add</i>	0.13	
		<i>For Heavy Clean, Add</i>	0.40	
02 90 50 00-0038	SF	Ceramic Tile Wall, Light Clean For Disaster Clean-up .....	0.26	
		<i>For Medium Clean, Add</i>	0.11	
		<i>For Heavy Clean, Add</i>	0.34	
02 90 50 00-0039	SF	Wall, Light Clean For Disaster Clean-up .....	0.19	
		<i>For Medium Clean, Add</i>	0.08	
		<i>For Heavy Clean, Add</i>	0.25	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0040	SF		Masonry Wall, Light Clean For Disaster Clean-up.....	0.26	
			<i>For Medium Clean, Add</i>	0.11	
			<i>For Heavy Clean, Add</i>	0.34	
02 90 50 00-0041	EA		Up To 24 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up.....	65.15	
			Note: Includes removal from site, cleaning, and return.		
			<i>For Medium Clean, Add</i>	27.36	
			<i>For Heavy Clean, Add</i>	84.70	
02 90 50 00-0042	EA		>24 To 96 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up.....	81.43	
			Note: Includes removal from site, cleaning, and return.		
			<i>For Medium Clean, Add</i>	34.20	
			<i>For Heavy Clean, Add</i>	105.86	
02 90 50 00-0043	EA		>96 To 140 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up.....	97.71	
			Note: Includes removal from site, cleaning, and return.		
			<i>For Medium Clean, Add</i>	41.04	
			<i>For Heavy Clean, Add</i>	127.02	
02 90 50 00-0044	EA		>140 To 216 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up.....	114.00	
			<i>For Medium Clean, Add</i>	47.88	
			<i>For Heavy Clean, Add</i>	148.20	
<b>02 90 50 00-0045</b>			<b>Clean Window Treatments</b> (02 90 50 00-0008)		
02 90 50 00-0046	SF		Window Blind, Light Clean For Disaster Clean-up.....	0.71	
			<i>For Medium Clean, Add</i>	0.30	
			<i>For Heavy Clean, Add</i>	0.92	
02 90 50 00-0047	EA		Up To 6' Long Drapery (Per Pleat), Light Clean For Disaster Clean-up.....	1.45	
			<i>For Medium Clean, Add</i>	0.61	
			<i>For Heavy Clean, Add</i>	1.89	
02 90 50 00-0048	EA		Up To 6' Long Lined Drapery (Per Pleat), Light Clean For Disaster Clean-up.....	1.67	
			<i>For Medium Clean, Add</i>	0.70	
			<i>For Heavy Clean, Add</i>	2.17	
02 90 50 00-0049	EA		>6' To 8' Drapery (Per Pleat), Light Clean For Disaster Clean-up.....	1.52	
			<i>For Medium Clean, Add</i>	0.64	
			<i>For Heavy Clean, Add</i>	1.98	
02 90 50 00-0050	EA		>6' To 8' Lined Drapery (Per Pleat), Light Clean For Disaster Clean-up.....	1.75	
			<i>For Medium Clean, Add</i>	0.74	
			<i>For Heavy Clean, Add</i>	2.28	
02 90 50 00-0051	EA		>8' To 10' Drapery (Per Pleat), Light Clean For Disaster Clean-up.....	1.86	
			<i>For Medium Clean, Add</i>	0.78	
			<i>For Heavy Clean, Add</i>	2.42	
02 90 50 00-0052	EA		>8' To 10' Lined Drapery (Per Pleat), Light Clean For Disaster Clean-up.....	2.14	
			<i>For Medium Clean, Add</i>	0.90	
			<i>For Heavy Clean, Add</i>	2.78	
<b>02 90 50 00-0053</b>			<b>Clean Appliances</b> (02 90 50 00-0008)		
02 90 50 00-0054	EA		Microwave Oven, Outside, Light Clean For Disaster Clean-up.....	12.80	
			<i>For Medium Clean, Add</i>	5.38	
			<i>For Heavy Clean, Add</i>	16.64	
02 90 50 00-0055	EA		Refrigerator, Outside, Light Clean For Disaster Clean-up.....	30.15	
			<i>For Medium Clean, Add</i>	12.66	
			<i>For Heavy Clean, Add</i>	39.20	
02 90 50 00-0056	EA		Range, Outside, Light Clean For Disaster Clean-up.....	26.06	
			<i>For Medium Clean, Add</i>	10.95	
			<i>For Heavy Clean, Add</i>	33.88	
<b>02 90 50 00-0057</b>			<b>Clean Plumbing</b> (02 90 50 00-0008)		
02 90 50 00-0058	EA		Water Heater, Light Clean For Disaster Clean-up.....	18.54	
			<i>For Medium Clean, Add</i>	7.79	
			<i>For Heavy Clean, Add</i>	24.10	
02 90 50 00-0059	EA		Plumbing Fixture, Light Clean For Disaster Clean-up.....	18.72	
			<i>For Medium Clean, Add</i>	7.86	
			<i>For Heavy Clean, Add</i>	24.34	
02 90 50 00-0060	EA		Restroom Accessory, Light Clean For Disaster Clean-up.....	8.59	
			<i>For Medium Clean, Add</i>	3.61	
			<i>For Heavy Clean, Add</i>	11.17	
<b>02 90 50 00-0061</b>			<b>Clean HVAC</b> (02 90 50 00-0008)		
02 90 50 00-0062	LF		Baseboard Heater, Light Clean For Disaster Clean-up.....	5.53	
			<i>For Medium Clean, Add</i>	2.32	
			<i>For Heavy Clean, Add</i>	7.19	
02 90 50 00-0063	LF		Ductwork, Exterior Wipe, Light Clean For Disaster Clean-up.....	15.45	
			<i>For Medium Clean, Add</i>	6.49	
			<i>For Heavy Clean, Add</i>	20.09	
02 90 50 00-0064	EA		Ductwork, Interior (Per Grille/Register), Light Clean For Disaster Clean-up.....	59.30	
			<i>For Medium Clean, Add</i>	24.91	
			<i>For Heavy Clean, Add</i>	77.09	
02 90 50 00-0065	EA		Grille/Register, Light Clean For Disaster Clean-up.....	5.56	
			<i>For Medium Clean, Add</i>	2.34	
			<i>For Heavy Clean, Add</i>	7.23	
02 90 50 00-0066	EA		Air Handling Unit, Exterior Wipe, Light Clean For Disaster Clean-up.....	38.51	
			<i>For Medium Clean, Add</i>	16.17	
			<i>For Heavy Clean, Add</i>	50.06	
02 90 50 00-0067	EA		Furnace, Exterior Wipe, Light Clean For Disaster Clean-up.....	34.29	
			<i>For Medium Clean, Add</i>	14.40	
			<i>For Heavy Clean, Add</i>	44.58	

**02 Existing Conditions****02 90 Disaster Recovery****02 90 50 Cleaning and Disaster Clean-up**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

		MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION	
						UNIT COST	UNIT COST	
<b>02 90 50 00-0068</b>		<b>Clean Electrical (02 90 50 00-0068)</b>						
02 90 50 00-0069	EA				Electric Fan, Light Clean For Disaster Clean-up.....	22.86		
					For Medium Clean, Add	9.60		
					For Heavy Clean, Add	29.72		
02 90 50 00-0070	EA				Ceiling Fan, Light Clean For Disaster Clean-up.....	24.71		
					For Medium Clean, Add	10.38		
					For Heavy Clean, Add	32.12		
02 90 50 00-0071	EA				Ceiling Fan And Light, Light Clean For Disaster Clean-up.....	32.12		
					For Medium Clean, Add	13.49		
					For Heavy Clean, Add	41.76		
02 90 50 00-0072	EA				Ceiling Exhaust Fan, Light Clean For Disaster Clean-up.....	22.54		
					For Medium Clean, Add	9.47		
					For Heavy Clean, Add	29.30		
02 90 50 00-0073	EA				2' x 4' Light Fixture, Light Clean For Disaster Clean-up.....	14.83		
					For Medium Clean, Add	6.23		
					For Heavy Clean, Add	19.28		
02 90 50 00-0074	EA				Light Fixture, Light Clean For Disaster Clean-up.....	6.79		
					For Medium Clean, Add	2.85		
					For Heavy Clean, Add	8.83		
02 90 50 00-0075	EA				Smoke Detector, Light Clean For Disaster Clean-up.....	5.25		
					For Medium Clean, Add	2.21		
					For Heavy Clean, Add	6.83		
02 90 50 00-0076	EA				Thermostat, Light Clean For Disaster Clean-up.....	1.85		
					For Medium Clean, Add	0.78		
					For Heavy Clean, Add	2.41		
<b>02 90 50 00-0077</b>		<b>Thermal Fog (02 90 50 00-0077)</b>						
02 90 50 00-0078	CF				Clean And Deodorize Building With Thermal Fog For Disaster Clean-up.....	0.02		
<b>02 90 50 00-0079</b>		<b>Contents Manipulation (02 90 50)</b>						
02 90 50 00-0080	SF				Cover Contents With 6 Mil Plastic Sheeting For Disaster Clean-up.....	0.23		
02 90 50 00-0081	SF				Floor Protection, Adhesive Film For Disaster Clean-up.....	0.28		
02 90 50 00-0082	SF				Move Contents Out And Later Reset For Disaster Clean-up.....	0.49		
02 90 50 00-0083	MO				20' Long Job Site Storage Trailer For Disaster Clean-up.....	176.59		
02 90 50 00-0084	MO				40' Long Job Site Storage Trailer For Disaster Clean-up.....	234.18		
02 90 50 00-0085	EA				Delivery Or Pickup Job Site Storage Trailer For Disaster Clean-up.....	143.67		
<b>02 90 50 00-0086</b>		<b>Water Disaster Clean-up (02 90 50)</b>						
02 90 50 00-0087	LF				Detach Baseboard For Disaster Clean-up.....	0.67		
02 90 50 00-0088	LF				Detach And Later Reset Baseboard For Disaster Clean-up.....	1.18		
02 90 50 00-0089	EA				Block And Pad Furniture (Per Piece Of Furniture) For Disaster Clean-up.....	4.35		
02 90 50 00-0090	SF				Water Extraction From Floor For Disaster Clean-up.....	0.45		
02 90 50 00-0091	SF				Gray Water Extraction From Floor For Disaster Clean-up.....	0.73		
02 90 50 00-0092	SF				Black Water Extraction From Floor For Disaster Clean-up.....	1.16		
02 90 50 00-0093	SF				Tear Out Wet Non Salvageable Carpet For Disaster Clean-up.....	0.36		
02 90 50 00-0094	SF				Tear Out Wet Non Salvageable Carpet, Black Water For Disaster Clean-up.....	0.43		
02 90 50 00-0095	SF				Tear Out Wet Non Salvageable Glue Down Carpet For Disaster Clean-up.....	0.64		
02 90 50 00-0096	SF				Tear Out Wet Non Salvageable Glue Down Carpet, Black Water For Disaster Clean-up.....	0.94		
02 90 50 00-0097	SF				Tear Out Vinyl Flooring For Disaster Clean-up.....	0.89		
02 90 50 00-0098	SF				Tear Out Vinyl Flooring, Black Water For Disaster Clean-up.....	1.30		
02 90 50 00-0099	SF				Tear Out Wood Flooring, Black Water For Disaster Clean-up.....	3.37		
02 90 50 00-0100	SF				Tear Out Laminated Wood Flooring For Disaster Clean-up.....	1.66		
02 90 50 00-0101	SF				Tear Out Laminated Wood Flooring, Black Water For Disaster Clean-up.....	2.43		
02 90 50 00-0102	SF				Tear Out Wet Ceiling Tile For Disaster Clean-up.....	0.28		
02 90 50 00-0103	SF				Tear Out Batt Insulation For Disaster Clean-up.....	0.28		
02 90 50 00-0104	SF				Tear Out Wet Gypsum Board For Disaster Clean-up.....	0.47		
02 90 50 00-0105	SF				Apply Antimicrobial Agent For Disaster Clean-up.....	0.26		
02 90 50 00-0106	SF				High Efficiency Particulate Air (HEPA) Vacuuming For Disaster Clean-up.....	0.35		
<b>02 90 50 00-0107</b>		<b>Board Up And Tarp Up (02 90 50)</b>						
02 90 50 00-0108	SF				Polyethylene Tarp On Roof For Disaster Clean-up.....	0.26		
02 90 50 00-0109	SF				Temporary Plywood On Roof For Disaster Clean-up.....	2.44		
02 90 50 00-0110	SF				Temporary Plywood On Wall Or Windows For Disaster Clean-up.....	2.81		
<b>02 90 50 00-0111</b>		<b>Minimum Charges (02 90 50)</b>						
02 90 50 00-0112	EA				Disaster Cleaning Minimum Charge.....	1,135.56		
02 90 50 00-0113	EA				Disaster Water Extraction Minimum Charge.....	244.33		
02 90 50 00-0114	EA				Disaster Carpet Cleaning Minimum Charge.....	227.36		
<b>02 90 50 00-0115</b>		<b>Document Restoration (02 90 50)</b>						
02 90 50 00-0116	EA				Book Rebinding, Each For Document Restoration.....	117.41		
02 90 50 00-0117	EA				Book Recasing, Each For Document Restoration.....	58.70		
02 90 50 00-0118	EA				Boxes-MCS, 1.2 CF For Document Restoration.....	7.39		
02 90 50 00-0119	EA				Boxes-MCS, 2.0 CF For Document Restoration.....	8.15		
02 90 50 00-0120	EA				Boxes Bankers For Document Restoration.....	18.76		
02 90 50 00-0121	EA				Boxes Standard Packout For Document Restoration.....	4.73		
02 90 50 00-0122	EA				Boxes X Ray For Document Restoration.....	11.75		
02 90 50 00-0123	EA				CD Scanning and Diagnostics, Each For Document Restoration.....	11.75		
02 90 50 00-0124	EA				Cleaning Antique Books, Each For Document Restoration.....	352.22		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 90 50 00-0125	EA		Cleaning Catheter Roll, Per Roll For Document Restoration.....	46.95	
02 90 50 00-0126	EA		Cleaning CD And DVD, Per Disc For Document Restoration.....	4.72	
02 90 50 00-0127	EA		Cleaning Level 1 - Blue Prints, Each For Document Restoration.....	3.30	
02 90 50 00-0128	CF		Cleaning Level 1 - Document Per CF For Document Restoration.....	102.27	
02 90 50 00-0129	EA		Cleaning Level 1 - Linen, Each For Document Restoration.....	3.30	
02 90 50 00-0130	EA		Cleaning Level 1 - Mylar, Each For Document Restoration.....	3.30	
02 90 50 00-0131	EA		Cleaning Level 2 - Blue Print, Each For Document Restoration.....	4.10	
02 90 50 00-0132	CF		Cleaning Level 2 - Document Per CF For Document Restoration.....	153.26	
02 90 50 00-0133	EA		Cleaning Level 2 - Linen, Each For Document Restoration.....	4.10	
02 90 50 00-0134	EA		Cleaning Level 2 - Mylar, Each For Document Restoration.....	4.10	
02 90 50 00-0135	EA		Cleaning Level 3 - Blue Prints, Each For Document Restoration.....	5.82	
02 90 50 00-0136	CF		Cleaning Level 3 - Document Per CF For Document Restoration.....	204.50	
02 90 50 00-0137	EA		Cleaning Level 3 - Linen, Each For Document Restoration.....	5.82	
02 90 50 00-0138	EA		Cleaning Level 3 - Mylar, Each For Document Restoration.....	5.82	
02 90 50 00-0139	EA		Cleaning Level 4 - All Fire-Blue Print, Each For Document Restoration.....	8.15	
02 90 50 00-0140	EA		Cleaning Level 4 - All Fire-Linen, Each For Document Restoration.....	8.15	
02 90 50 00-0141	EA		Cleaning Level 4 - All Fire-Mylar, Each For Document Restoration.....	8.15	
02 90 50 00-0142	CF		Cleaning Level 4 - Light Fire-Documnet Per CF For Document Restoration.....	255.57	
02 90 50 00-0143	EA		Cleaning Level 5 - Severe Fire-Blue Print, Each For Document Restoration.....	9.04	
02 90 50 00-0144	CF		Cleaning Level 5 - Severe Fire-Documnet Per CF For Document Restoration.....	383.48	
02 90 50 00-0145	EA		Cleaning Level 5 - Severe Fire-Linen, Each For Document Restoration.....	9.04	
02 90 50 00-0146	EA		Cleaning Level 5 - Severe Fire-Mylar, Each For Document Restoration.....	9.04	
02 90 50 00-0147	EA		Cleaning Microfiche Sheets, Each For Document Restoration.....	3.21	
02 90 50 00-0148	EA		Cleaning Microfiche Strips, Each For Document Restoration.....	0.75	
02 90 50 00-0149	EA		Cleaning Microfilm Rolls (In House), Per Roll For Document Restoration.....	117.41	
02 90 50 00-0150	EA		Cleaning Microfilm Rolls (Outside), Per Roll For Document Restoration.....	164.38	
02 90 50 00-0151	EA		Cleaning Photographs Negatives, Per Negative For Document Restoration.....	3.21	
02 90 50 00-0152	EA		Cleaning Photographs, Each For Document Restoration.....	0.75	
02 90 50 00-0153	EA		Cleaning Record Albums, Each For Document Restoration.....	4.72	
02 90 50 00-0154	EA		Cleaning VHS And Beta Tapes-In House, Each For Document Restoration.....	11.75	
02 90 50 00-0155	EA		Cleaning VHS And Beta Tapes-Outside, Each For Document Restoration.....	46.95	
02 90 50 00-0156	EA		Cleaning X Ray 1-1000, Per Film For Document Restoration.....	4.38	
02 90 50 00-0157	EA		Cleaning X Ray 1K-5K, Per Film For Document Restoration.....	3.74	
02 90 50 00-0158	EA		Cleaning X Ray 5K-Up, Per Film For Document Restoration.....	2.94	
02 90 50 00-0159	EA		Copying Clean Water, Per Page For Document Restoration.....	0.42	
02 90 50 00-0160	EA		Copying Greywater Fire, Per Page For Document Restoration.....	1.27	
02 90 50 00-0161	CF		Deodorization, Vapor Tech For Document Restoration.....	8.07	
02 90 50 00-0162	CF		Disinfectant-Fogging For Document Restoration.....	16.46	
02 90 50 00-0163	EA		Document Disposal In House No Shredding For Document Restoration.....	62.74	
02 90 50 00-0164	EA		Document Disposal In House With Shredding For Document Restoration.....	17.12	
02 90 50 00-0165	CF		Up To 150 CF, Drying-MCS Center For Document Restoration.....	211.33	
02 90 50 00-0166	CF		>150 To 500 CF, Drying-MCS Center For Document Restoration.....	164.38	
02 90 50 00-0167	CF		>500 CF, Drying-MCS Center For Document Restoration.....	140.89	
02 90 50 00-0168	CF		>50 To 150 CF, Drying-MCS Center For Document Restoration.....	187.86	
02 90 50 00-0169	CF		Up To 500 CF, Drying-Onsite For Document Restoration.....	352.22	
02 90 50 00-0170	CF		>500 CF, Drying-Onsite For Document Restoration.....	216.07	
02 90 50 00-0171	EA		Drying Antique Books, Each For Document Restoration.....	46.95	
02 90 50 00-0172	EA		Drying Blue Prints, Each For Document Restoration.....	5.87	
02 90 50 00-0173	EA		DVD Scanning And Diagnostics, Each For Document Restoration.....	11.75	
02 90 50 00-0174	EA		Freeze Drying (In House) For Document Restoration.....	106.45	
02 90 50 00-0175	EA		Freeze Drying (Outside) For Document Restoration.....	91.24	
02 90 50 00-0176	EA		Up To 48 CF, Irradiation - Gamma (Minimum Charge) For Document Restoration.....	2,509.16	
02 90 50 00-0177	CF		>48 CF, Irradiation - Gamma (Per CF Charge) For Document Restoration.....	22.81	
02 90 50 00-0178	EA		Minimal Drying Jobs For Document Restoration.....	1,056.89	
02 90 50 00-0179	EA		Monthly Storage For Document Restoration.....	197.04	
02 90 50 00-0180	EA		Mylar Prints For Document Restoration.....	11.75	
02 90 50 00-0181	CF		Ozoning For Document Restoration.....	7.25	
02 90 50 00-0182	CF		Stabilization Freezer Storage, Per Cubic Foot Per Month For Document Restoration.....	9.18	
02 90 50 00-0183	MO		Stabilization Freezer Storage, Per Page-Per Month For Document Restoration.....	0.11	
02 90 50 00-0184	EA		Wood Pallets, Each For Document Restoration.....	25.53	

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

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

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

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

02 90 55 00-0003	HR		Skilled Tradesman For Emergency Clean Up.....	60.72	
02 90 55 00-0004	HR		Restoration / Document Laborer For Emergency Clean Up.....	42.50	
02 90 55 00-0005	HR		Restoration / Document Supervisor For Emergency Clean Up.....	58.44	
02 90 55 00-0006	HR		Restoration / Document Project Manager For Emergency Clean Up.....	95.63	
02 90 55 00-0007	HR		Assistant Project Manager For Emergency Clean Up.....	79.70	
02 90 55 00-0008	HR		Senior Project Manager For Emergency Clean Up.....	111.57	
02 90 55 00-0009	HR		Project Director / Document Consultant / Account Manager For Emergency Clean Up.....	159.39	
02 90 55 00-0010	HR		Equipment Technician For Emergency Clean Up.....	116.89	
02 90 55 00-0011	HR		Mold Remediation Laborer For Emergency Clean Up.....	58.19	
02 90 55 00-0012	HR		Mold Remediation Supervisor For Emergency Clean Up.....	79.70	
02 90 55 00-0013	HR		Administrative Personnel For Emergency Clean Up.....	37.19	
02 90 55 00-0014	HR		Project Accountant For Emergency Clean Up.....	60.72	
02 90 55 00-0015	HR		Biohazard Technician For Emergency Clean Up.....	84.38	
02 90 55 00-0016	HR		Biohazard Supervisor For Emergency Clean Up.....	101.45	
02 90 55 00-0017	HR		Health And Safety Officer For Emergency Clean Up.....	91.08	

**02 Existing Conditions****02 90 Disaster Recovery****02 90 55 Emergency Clean-up**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

02 90 55 00-0018	HR	Resource And Logistics Coordinator For Emergency Clean Up .....	65.78
02 90 55 00-0019	HR	Loss Control Specialist For Emergency Clean Up .....	63.76
02 90 55 00-0020	HR	Moisture Control Specialist For Emergency Clean Up .....	52.62
02 90 55 00-0021	HR	Mobilization Support For Emergency Clean Up .....	32.38

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

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

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

02 90 55 00-0024	DAY	265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up .....	137.11
02 90 55 00-0025	WK	265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up .....	523.03
02 90 55 00-0026	MO	265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up .....	1,432.00
02 90 55 00-0027	DAY	13" Floor Buffer Rental For Emergency Clean-up .....	47.90
02 90 55 00-0028	WK	13" Floor Buffer Rental For Emergency Clean-up .....	134.52
02 90 55 00-0029	MO	13" Floor Buffer Rental For Emergency Clean-up .....	371.36
02 90 55 00-0030	DAY	17" Floor Buffer Rental For Emergency Clean-up .....	92.84
02 90 55 00-0031	WK	17" Floor Buffer Rental For Emergency Clean-up .....	236.84
02 90 55 00-0032	MO	17" Floor Buffer Rental For Emergency Clean-up .....	558.94
02 90 55 00-0033	DAY	Walk Behind Floor Scrubber Rental For Emergency Clean-up .....	511.57
02 90 55 00-0034	WK	Walk Behind Floor Scrubber Rental For Emergency Clean-up .....	1,373.66
02 90 55 00-0035	MO	Walk Behind Floor Scrubber Rental For Emergency Clean-up .....	3,827.29
02 90 55 00-0036	DAY	Ride-On Floor Scrubber Rental For Emergency Clean-up .....	1,155.77
02 90 55 00-0037	WK	Ride-On Floor Scrubber Rental For Emergency Clean-up .....	3,050.47
02 90 55 00-0038	MO	Ride-On Floor Scrubber Rental For Emergency Clean-up .....	8,223.00
02 90 55 00-0039	DAY	4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up .....	83.37
02 90 55 00-0040	WK	4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up .....	236.84
02 90 55 00-0041	MO	4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up .....	814.72
02 90 55 00-0042	DAY	8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up .....	77.68
02 90 55 00-0043	WK	8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up .....	208.42
02 90 55 00-0044	MO	8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up .....	539.99
02 90 55 00-0045	DAY	17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up .....	124.29
02 90 55 00-0046	WK	17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up .....	354.69
02 90 55 00-0047	MO	17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up .....	991.31
02 90 55 00-0048	DAY	Truck Mounted Extractor Rental For Emergency Clean-up .....	780.27
02 90 55 00-0049	WK	Truck Mounted Extractor Rental For Emergency Clean-up .....	2,340.81
02 90 55 00-0050	MO	Truck Mounted Extractor Rental For Emergency Clean-up .....	7,022.42
02 90 55 00-0051	DAY	16" Chain Saw Rental For Emergency Clean-up .....	90.95
02 90 55 00-0052	WK	16" Chain Saw Rental For Emergency Clean-up .....	204.63
02 90 55 00-0053	MO	16" Chain Saw Rental For Emergency Clean-up .....	545.67
02 90 55 00-0054	DAY	20" Chain Saw Rental For Emergency Clean-up .....	113.68
02 90 55 00-0055	WK	20" Chain Saw Rental For Emergency Clean-up .....	255.78
02 90 55 00-0056	MO	20" Chain Saw Rental For Emergency Clean-up .....	682.09
02 90 55 00-0057	EA	Cleaning Kit With Mop, Broom And Bucket For Emergency Clean-up .....	85.26
02 90 55 00-0058	DAY	14" To 16" Electric Cut Off Saw Rental For Emergency Clean-up .....	121.26
02 90 55 00-0059	WK	14" To 16" Electric Cut Off Saw Rental For Emergency Clean-up .....	331.57
02 90 55 00-0060	MO	14" To 16" Electric Cut Off Saw Rental For Emergency Clean-up .....	928.40
02 90 55 00-0061	DAY	12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up .....	147.79
02 90 55 00-0062	WK	12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up .....	502.10
02 90 55 00-0063	MO	12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up .....	956.82
02 90 55 00-0064	DAY	Wet Or Dry Portable Cleaning Unit For Emergency Clean-up .....	135.72
02 90 55 00-0065	DAY	Extension Cords - 220 Volt For Emergency Clean-up .....	47.37
02 90 55 00-0066	DAY	Extension Cords - 220 Volt Converter Box For Emergency Clean-up .....	28.42
02 90 55 00-0067	DAY	Demolition Cart, 7 Yard For Emergency Clean-up .....	71.85
02 90 55 00-0068	EA	Demolition Kit With Wheel Barrow, Shovel And Broom For Emergency Clean-up .....	142.10
02 90 55 00-0069	DAY	Dry-Ice Blasting System For Emergency Clean-up .....	1,534.53
02 90 55 00-0070	DAY	Fogger - Mist For Emergency Clean-up .....	39.92
02 90 55 00-0071	DAY	Fogger - Electric Thermal For Emergency Clean-up .....	57.48
02 90 55 00-0072	DAY	Fogger - Gas Power Thermal For Emergency Clean-up .....	154.40
02 90 55 00-0073	EA	Gang Box, Demo/Framing (One Time Per Job) For Emergency Clean-up .....	190.09
02 90 55 00-0074	DAY	Hand Trucks/Dollies For Emergency Clean-up .....	22.74
02 90 55 00-0075	DAY	Heat Gun - Shrink Wrap For Emergency Clean-up .....	118.22
02 90 55 00-0076	DAY	High Efficiency Particulate Air (HEPA) Negative Air Machine For Emergency Clean-up .....	167.28
		Note: Includes all filters.	
02 90 55 00-0077	DAY	Ladder For Emergency Clean-up .....	32.21
02 90 55 00-0078	DAY	Lights - Demo, Drop, Stand, String For Emergency Clean-up .....	28.74
02 90 55 00-0079	DAY	Lights - Wobble For Emergency Clean-up .....	35.13
02 90 55 00-0080	DAY	Moisture Meter For Emergency Clean-up .....	47.90
02 90 55 00-0081	DAY	Nail Gun For Emergency Clean-up .....	85.26
02 90 55 00-0082	DAY	Ozone Generator For Emergency Clean-up .....	199.59
02 90 55 00-0083	DAY	PPE (Personal Protective Equipment) Mold Remediation Related For Emergency Clean-up .....	113.68
02 90 55 00-0084	DAY	Portable Generator, Up To 7,500 Watt For Emergency Clean-up .....	159.67
02 90 55 00-0085	DAY	Pressure Washer, Hot For Emergency Clean-up .....	239.51
02 90 55 00-0086	DAY	Pressure Washer, Cold For Emergency Clean-up .....	159.67
02 90 55 00-0087	DAY	Scaffolding - Per Section For Emergency Clean-up .....	123.16
02 90 55 00-0088	DAY	Small Tools - Tool Box For Emergency Clean-up .....	47.37
02 90 55 00-0089	DAY	Soda Blasting Equipment For Emergency Clean-up .....	1,522.71
02 90 55 00-0090	DAY	Sprayer - Hudson For Emergency Clean-up .....	15.16
02 90 55 00-0091	DAY	0.47 GPM, Airless Paint Sprayer For Emergency Clean-up .....	128.47
02 90 55 00-0092	DAY	Storage Space (Per SF Per Day) For Emergency Clean-up .....	3.68
02 90 55 00-0093	DAY	Submersible Pump For Emergency Clean-up .....	39.92
02 90 55 00-0094	DAY	Trash Pump - 2" Gas Powered For Emergency Clean-up .....	219.11
02 90 55 00-0095	DAY	Vehicle, Pick-up, SUV, Car For Emergency Clean-up .....	108.76
02 90 55 00-0096	DAY	Vehicle, Van For Emergency Clean-up .....	177.33

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 90 55 00-0097	DAY		16' Or 24' Box Truck Vehicle For Emergency Clean-up.....	214.45	
			Note: Includes Mileage		
02 90 55 00-0098	DAY		Trailer - Refrigerated 40' Storage For Emergency Clean-up.....	235.66	
02 90 55 00-0099	DAY		Utility Trailer For Emergency Clean-up.....	196.25	
			Note: Includes Mileage		
02 90 55 00-0100	DAY		Truck Mount, Per Wand Extraction For Emergency Clean-up .....	885.09	
02 90 55 00-0101	DAY		High Efficiency Particulate Air (HEPA) Backpack Vacuum For Emergency Clean-up .....	39.92	
02 90 55 00-0102	DAY		Vacuum - Shop Vacuum For Emergency Clean-up .....	39.92	
02 90 55 00-0103	DAY		Vacuum - Commercial For Emergency Clean-up .....	119.76	
02 90 55 00-0104	DAY		12 Gallon, Industrial High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up .....	135.72	
02 90 55 00-0105	DAY		Vacuum - Upright For Emergency Clean-up.....	26.01	
02 90 55 00-0106	DAY		Zip Walls (Per 2 Poles) For Emergency Clean-up .....	39.92	
02 90 55 00-0107	DAY		2 Way Radio For Emergency Clean-up .....	31.93	

**02 90 55 00-0108 Technical/Electronics Restoration Equipment (02 90 55 00-0022)**

02 90 55 00-0109	DAY		Computer - Diagnostic For Emergency Clean-up .....	47.37	
02 90 55 00-0110	WK		Computer - Diagnostic For Emergency Clean-up .....	130.26	
02 90 55 00-0111	MO		Computer - Diagnostic For Emergency Clean-up .....	355.26	
02 90 55 00-0112	DAY		Convection Oven - Large For Emergency Clean-up .....	688.06	
02 90 55 00-0113	WK		Convection Oven - Large For Emergency Clean-up .....	1,892.15	
02 90 55 00-0114	MO		Convection Oven - Large For Emergency Clean-up .....	5,160.41	
02 90 55 00-0115	DAY		Convection Oven - Small For Emergency Clean-up .....	170.52	
02 90 55 00-0116	WK		Convection Oven - Small For Emergency Clean-up .....	468.94	
02 90 55 00-0117	MO		Convection Oven - Small For Emergency Clean-up .....	1,278.92	
02 90 55 00-0118	DAY		Convection Oven - Vacuum For Emergency Clean-up .....	982.03	
02 90 55 00-0119	WK		Convection Oven - Vacuum For Emergency Clean-up .....	2,700.60	
02 90 55 00-0120	MO		Convection Oven - Vacuum For Emergency Clean-up .....	7,365.26	
02 90 55 00-0121	DAY		Decontamination Booth For Emergency Clean-up.....	811.79	
02 90 55 00-0122	WK		Decontamination Booth For Emergency Clean-up.....	2,232.43	
02 90 55 00-0123	MO		Decontamination Booth For Emergency Clean-up.....	6,088.46	
02 90 55 00-0124	DAY		DI Water System For Emergency Clean-up.....	63.05	
02 90 55 00-0125	WK		DI Water System For Emergency Clean-up.....	173.39	
02 90 55 00-0126	MO		DI Water System For Emergency Clean-up.....	472.89	
02 90 55 00-0127	DAY		ESD Bench Workstation For Emergency Clean-up .....	38.62	
02 90 55 00-0128	WK		ESD Bench Workstation For Emergency Clean-up .....	106.20	
02 90 55 00-0129	MO		ESD Bench Workstation For Emergency Clean-up .....	289.65	
02 90 55 00-0130	DAY		Heater/Enclosure Control System For Emergency Clean-up.....	28.42	
02 90 55 00-0131	WK		Heater/Enclosure Control System For Emergency Clean-up.....	78.16	
02 90 55 00-0132	MO		Heater/Enclosure Control System For Emergency Clean-up.....	213.15	
02 90 55 00-0133	DAY		Hi-Tech Mobile Cart/Workstation For Emergency Clean-up .....	99.31	
02 90 55 00-0134	WK		Hi-Tech Mobile Cart/Workstation For Emergency Clean-up .....	273.09	
02 90 55 00-0135	MO		Hi-Tech Mobile Cart/Workstation For Emergency Clean-up .....	744.80	
02 90 55 00-0136	DAY		Micro-Blaster/Dust Collector For Emergency Clean-up .....	426.31	
02 90 55 00-0137	WK		Micro-Blaster/Dust Collector For Emergency Clean-up .....	1,172.35	
02 90 55 00-0138	MO		Micro-Blaster/Dust Collector For Emergency Clean-up .....	3,197.31	
02 90 55 00-0139	DAY		Mobile Laboratory For Emergency Clean-up .....	1,184.19	
02 90 55 00-0140	WK		Mobile Laboratory For Emergency Clean-up .....	3,256.52	
02 90 55 00-0141	MO		Mobile Laboratory For Emergency Clean-up .....	8,881.41	
02 90 55 00-0142	DAY		Nitrogen Enclosure Cabinet For Emergency Clean-up .....	22.74	
02 90 55 00-0143	WK		Nitrogen Enclosure Cabinet For Emergency Clean-up .....	62.53	
02 90 55 00-0144	MO		Nitrogen Enclosure Cabinet For Emergency Clean-up .....	170.52	
02 90 55 00-0145	DAY		Odell Cleaning Station For Emergency Clean-up .....	663.14	
02 90 55 00-0146	WK		Odell Cleaning Station For Emergency Clean-up .....	1,823.65	
02 90 55 00-0147	MO		Odell Cleaning Station For Emergency Clean-up .....	4,973.59	
02 90 55 00-0148	DAY		Parts Washer For Emergency Clean-up .....	47.37	
02 90 55 00-0149	WK		Parts Washer For Emergency Clean-up .....	130.26	
02 90 55 00-0150	MO		Parts Washer For Emergency Clean-up .....	355.26	
02 90 55 00-0151	DAY		Ultrasonic Cleaning System For Emergency Clean-up .....	295.56	
02 90 55 00-0152	WK		Ultrasonic Cleaning System For Emergency Clean-up .....	812.78	
02 90 55 00-0153	MO		Ultrasonic Cleaning System For Emergency Clean-up .....	2,216.67	
02 90 55 00-0154	DAY		Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up .....	126.55	
02 90 55 00-0155	WK		Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up .....	348.01	
02 90 55 00-0156	MO		Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up .....	949.11	

**02 90 55 00-0157 Drying/Dehumidification Equipment (02 90 55 00-0022)**

02 90 55 00-0158	DAY		202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up .....	199.59	
			Note: Includes 25' high Pressure solution hose and 25' Vacuum hose.		
02 90 55 00-0159	WK		202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up .....	548.88	
			Note: Includes 25' high Pressure solution hose and 25' Vacuum hose.		
02 90 55 00-0160	MO		202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up .....	1,496.94	
			Note: Includes 25' high Pressure solution hose and 25' Vacuum hose.		
02 90 55 00-0161	DAY		2,200 CFM Centrifugal Air Mover For Emergency Clean-up .....	46.57	
02 90 55 00-0162	WK		2,200 CFM Centrifugal Air Mover For Emergency Clean-up .....	128.06	
02 90 55 00-0163	MO		2,200 CFM Centrifugal Air Mover For Emergency Clean-up .....	349.25	
02 90 55 00-0164	DAY		3,000 CFM Axial Air Mover For Emergency Clean-up .....	77.61	
02 90 55 00-0165	WK		3,000 CFM Axial Air Mover For Emergency Clean-up .....	213.43	
02 90 55 00-0166	MO		3,000 CFM Axial Air Mover For Emergency Clean-up .....	582.08	
02 90 55 00-0167	DAY		Injectidry System For Emergency Clean-up.....	247.49	
02 90 55 00-0168	WK		Injectidry System For Emergency Clean-up.....	680.61	
02 90 55 00-0169	MO		Injectidry System For Emergency Clean-up.....	1,856.20	
02 90 55 00-0170	DAY		Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up.....	159.67	
02 90 55 00-0171	WK		Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up.....	439.10	
02 90 55 00-0172	MO		Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up.....	1,197.55	

**02 Existing Conditions****02 90 Disaster Recovery****02 90 55 Emergency Clean-up**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

02 90 55 00-0173	DAY	>100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up.....	236.84
02 90 55 00-0174	WK	>100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up.....	651.30
02 90 55 00-0175	MO	>100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up.....	1,776.28
02 90 55 00-0176	DAY	>175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up.....	220.50
02 90 55 00-0177	WK	>175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up.....	606.38
02 90 55 00-0178	MO	>175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up.....	1,653.76
02 90 55 00-0179	DAY	Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up .....	235.71
02 90 55 00-0180	WK	Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up .....	648.20
02 90 55 00-0181	MO	Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up .....	1,767.81
02 90 55 00-0182	DAY	Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up .....	235.71
02 90 55 00-0183	WK	Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up .....	648.20
02 90 55 00-0184	MO	Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up .....	1,767.81
02 90 55 00-0185	DAY	D-500 Desiccant Dehumidifier For Emergency Clean-up .....	266.12
02 90 55 00-0186	WK	D-500 Desiccant Dehumidifier For Emergency Clean-up .....	731.84
02 90 55 00-0187	MO	D-500 Desiccant Dehumidifier For Emergency Clean-up .....	1,995.92
02 90 55 00-0188	DAY	D-750 Desiccant Dehumidifier For Emergency Clean-up .....	558.86
02 90 55 00-0189	WK	D-750 Desiccant Dehumidifier For Emergency Clean-up .....	1,536.86
02 90 55 00-0190	MO	D-750 Desiccant Dehumidifier For Emergency Clean-up .....	4,191.43
02 90 55 00-0191	DAY	D-1000 Desiccant Dehumidifier For Emergency Clean-up .....	958.04
02 90 55 00-0192	WK	D-1000 Desiccant Dehumidifier For Emergency Clean-up .....	2,634.61
02 90 55 00-0193	MO	D-1000 Desiccant Dehumidifier For Emergency Clean-up .....	7,185.31
02 90 55 00-0194	DAY	D-1500 Desiccant Dehumidifier For Emergency Clean-up .....	1,475.08
02 90 55 00-0195	WK	D-1500 Desiccant Dehumidifier For Emergency Clean-up .....	4,056.47
02 90 55 00-0196	MO	D-1500 Desiccant Dehumidifier For Emergency Clean-up .....	11,063.09
02 90 55 00-0197	DAY	D-2000 Desiccant Dehumidifier For Emergency Clean-up .....	1,475.08
02 90 55 00-0198	WK	D-2000 Desiccant Dehumidifier For Emergency Clean-up .....	4,056.47
02 90 55 00-0199	MO	D-2000 Desiccant Dehumidifier For Emergency Clean-up .....	11,063.09
02 90 55 00-0200	DAY	D-2250 Desiccant Dehumidifier For Emergency Clean-up .....	1,540.47
02 90 55 00-0201	WK	D-2250 Desiccant Dehumidifier For Emergency Clean-up .....	4,236.29
02 90 55 00-0202	MO	D-2250 Desiccant Dehumidifier For Emergency Clean-up .....	11,553.52
02 90 55 00-0203	DAY	D-3000 Desiccant Dehumidifier For Emergency Clean-up .....	1,916.08
02 90 55 00-0204	WK	D-3000 Desiccant Dehumidifier For Emergency Clean-up .....	5,269.23
02 90 55 00-0205	MO	D-3000 Desiccant Dehumidifier For Emergency Clean-up .....	14,370.62
02 90 55 00-0206	DAY	D-4500 Desiccant Dehumidifier For Emergency Clean-up .....	2,155.59
02 90 55 00-0207	WK	D-4500 Desiccant Dehumidifier For Emergency Clean-up .....	5,927.88
02 90 55 00-0208	MO	D-4500 Desiccant Dehumidifier For Emergency Clean-up .....	16,166.94
02 90 55 00-0209	DAY	D-5000 Desiccant Dehumidifier For Emergency Clean-up .....	2,315.27
02 90 55 00-0210	WK	D-5000 Desiccant Dehumidifier For Emergency Clean-up .....	6,366.98
02 90 55 00-0211	MO	D-5000 Desiccant Dehumidifier For Emergency Clean-up .....	17,364.49
02 90 55 00-0212	DAY	D-9000 Desiccant Dehumidifier For Emergency Clean-up .....	3,041.40
02 90 55 00-0213	WK	D-9000 Desiccant Dehumidifier For Emergency Clean-up .....	8,363.85
02 90 55 00-0214	MO	D-9000 Desiccant Dehumidifier For Emergency Clean-up .....	22,810.50
02 90 55 00-0215	DAY	D-10500 Desiccant Dehumidifier For Emergency Clean-up .....	3,193.47
02 90 55 00-0216	WK	D-10500 Desiccant Dehumidifier For Emergency Clean-up .....	8,782.04
02 90 55 00-0217	MO	D-10500 Desiccant Dehumidifier For Emergency Clean-up .....	23,951.02
02 90 55 00-0218	DAY	3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	518.94
02 90 55 00-0219	WK	3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	1,427.08
02 90 55 00-0220	MO	3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	3,892.04
02 90 55 00-0221	DAY	5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	718.53
02 90 55 00-0222	WK	5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	1,975.96
02 90 55 00-0223	MO	5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	5,388.98
02 90 55 00-0224	DAY	10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	958.04
02 90 55 00-0225	WK	10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	2,634.61
02 90 55 00-0226	MO	10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	7,185.31
02 90 55 00-0227	DAY	25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	1,277.39
02 90 55 00-0228	WK	25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	3,512.82
02 90 55 00-0229	MO	25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	9,580.41
02 90 55 00-0230	DAY	50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	2,155.59
02 90 55 00-0231	WK	50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	5,927.88
02 90 55 00-0232	MO	50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	16,166.94
02 90 55 00-0233	DAY	80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	2,395.10
02 90 55 00-0234	WK	80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	6,586.53
02 90 55 00-0235	MO	80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	17,963.27
02 90 55 00-0236	DAY	25' Flex Duct For Emergency Clean-up .....	31.93
02 90 55 00-0237	WK	25' Flex Duct For Emergency Clean-up .....	87.82
02 90 55 00-0238	MO	25' Flex Duct For Emergency Clean-up .....	239.51
02 90 55 00-0239	DAY	Hygrothermograph For Emergency Clean-up.....	47.37
02 90 55 00-0240	WK	Hygrothermograph For Emergency Clean-up.....	130.26
02 90 55 00-0241	MO	Hygrothermograph For Emergency Clean-up.....	355.26
02 90 55 00-0242	DAY	Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up.....	7,505.73
		Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.	
02 90 55 00-0243	WK	Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up.....	20,640.75
		Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.	
02 90 55 00-0244	MO	Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up.....	56,292.96
		Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.	
<b>02 90 55 00-0245</b>		<b>Power Equipment</b> (02 90 55 00-0222)	
02 90 55 00-0246	WK	Up to 65 KVA Generator For Emergency Clean-up .....	988.46
02 90 55 00-0247	WK	>65 to 125 KVA Generator For Emergency Clean-up.....	1,672.77
02 90 55 00-0248	WK	>125 to 250 KVA Generator For Emergency Clean-up.....	1,629.82
02 90 55 00-0249	WK	>250 to 375 KVA Generator For Emergency Clean-up.....	2,813.30
02 90 55 00-0250	WK	>375 Up to 440 KVA Generator For Emergency Clean-up .....	3,801.75

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0251	WK		>440 to 625 KVA Generator For Emergency Clean-up.....	5,718.65	
02 90 55 00-0252	WK		>625 to 800 KVA Generator For Emergency Clean-up.....	5,854.70	
02 90 55 00-0253	WK		>800 to 1,000 KVA Generator For Emergency Clean-up.....	7,831.60	
02 90 55 00-0254	WK		>1,000 to 1,500 KVA Generator For Emergency Clean-up.....	11,785.42	
02 90 55 00-0255	EA		Generator Cable/Pigtails (Per Section) For Emergency Clean-up.....	25.55	
02 90 55 00-0256	EA		Sub-Distribution Panel (Spider Box) For Emergency Clean-up.....	122.42	
02 90 55 00-0257	EA		Electrical Distribution Panel For Emergency Clean-up.....	295.56	
02 90 55 00-0258	EA		Quad Box Strings (25' Sections) For Emergency Clean-up.....	46.00	
02 90 55 00-0259	EA		50' Power Cord For Spider Box For Emergency Clean-up.....	42.58	
02 90 55 00-0260	EA		Pig Tails (Per Each) For Emergency Clean-up.....	4.74	
<b>02 90 55 00-0261</b>			<b>Freight Charges</b> (02 90 55 00-0022)		
02 90 55 00-0262	MI		Freight Up To 1 Ton Pick Up Truck For Emergency Clean-up Equipment.....	2.37	
02 90 55 00-0263	MI		Freight >1 Ton Pick Up Truck For Emergency Clean-up Equipment.....	4.26	
02 90 55 00-0264	MI		Freight 16' Or 24' Box Truck For Emergency Clean-up Equipment.....	4.26	
02 90 55 00-0265	MI		Freight Tractor Trailer For Emergency Clean-up Equipment.....	6.16	
<b>02 90 55 00-0266</b>			<b>Emergency Clean-up Personal Protection Equipment</b> (02 90 55 00-0001)		
Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.					
02 90 55 00-0267	EA		Tyvek Coveralls For Emergency Clean-up Personal Protection Equipment.....	13.21	
02 90 55 00-0268	EA		Respirator Cartridge For Emergency Clean-up Personal Protection Equipment.....	46.17	
02 90 55 00-0269	BOX		Dust Mask For Emergency Clean-up Personal Protection Equipment.....	51.48	
02 90 55 00-0270	PR		Cotton Canvas Gloves For Emergency Clean-up Personal Protection Equipment.....	3.55	
02 90 55 00-0271	BOX		5 Mil, Disposable Latex Gloves, Box of 100, For Emergency Clean-up Personal Protection Equipment.....	23.95	
02 90 55 00-0272	PR		Leather Gloves For Emergency Clean-up Personal Protection Equipment.....	11.98	
02 90 55 00-0273	EA		Heavy Duty, Rubber Gloves For Emergency Clean-up Personal Protection Equipment.....	20.45	
02 90 55 00-0274	PR		Polycarbonate Lens Safety Goggles For Emergency Clean-up Personal Protection Equipment.....	14.02	
02 90 55 00-0275	EA		Disposable Dual Cartridge Half-Mask Respirator For Emergency Clean-up Personal Protection Equipment.....	101.99	
02 90 55 00-0276	PR		Plastic Safety Glasses For Emergency Clean-up Personal Protection Equipment.....	6.14	
02 90 55 00-0277	EA		Safety Harness (Per Person/Day) For Emergency Clean-up Personal Protection Equipment.....	7.98	
<b>02 90 55 00-0278</b>			<b>Emergency Clean-up Expendables</b> (02 90 55 00-0001)		
Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.					
<b>02 90 55 00-0279</b>			<b>General Materials</b> (02 90 55 00-0278)		
02 90 55 00-0280	GAL		Adhesive Remover For Emergency Clean-up.....	95.80	
02 90 55 00-0281	GAL		Bio-HS For Emergency Clean-up.....	32.30	
02 90 55 00-0282	GAL		Biocide For Emergency Clean-up.....	41.21	
02 90 55 00-0283	EA		10" x 12" x 15" Cardboard Storage Box For Emergency Clean-up.....	5.05	
02 90 55 00-0284	EA		10" x 12" x 24" Cardboard Storage Box For Emergency Clean-up.....	7.66	
02 90 55 00-0285	GAL		Bleach For Emergency Clean-up.....	10.30	
02 90 55 00-0286	EA		Small Stainless Brush For Emergency Clean-up.....	6.31	
02 90 55 00-0287	EA		2-1/2 Gallon Buckets For Emergency Clean-up.....	8.00	
02 90 55 00-0288	EA		5 Gallon Bucket For Emergency Clean-up.....	12.13	
02 90 55 00-0289	GAL		Carpet Defoamer For Emergency Clean-up.....	31.19	
02 90 55 00-0290	GAL		Carpet Pre-treat For Emergency Clean-up.....	23.33	
02 90 55 00-0291	GAL		Carpet Spotter For Emergency Clean-up.....	39.09	
02 90 55 00-0292	GAL		Carpet/Upholstery Cleaner For Emergency Clean-up.....	31.53	
02 90 55 00-0293	ROL		Carpet Masking/Shield For Emergency Clean-up.....	87.45	
02 90 55 00-0294	EA		Chemical Sponge For Emergency Clean-up.....	3.77	
02 90 55 00-0295	GAL		Clear Seal For Emergency Clean-up.....	128.81	
02 90 55 00-0296	GAL		Coil Cleaner For Emergency Clean-up.....	60.21	
02 90 55 00-0297	EA		Comfort Masks, Per Box 50 For Emergency Clean-up Personal Protection Equipment.....	44.25	
02 90 55 00-0298	EA		Hooded Coverall With Elastic Wrists/Ankles For Emergency Clean-up Personal Protection Equipment.....	19.57	
02 90 55 00-0299	EA		Decontamination Chamber For Emergency Clean-up.....	261.86	
02 90 55 00-0300	GAL		All Purpose Degreaser For Emergency Clean-up.....	42.15	
02 90 55 00-0301	GAL		De-Foamer Liquid For Emergency Clean-up.....	55.40	
02 90 55 00-0302	EA		Deodorization Membrane For Emergency Clean-up.....	108.62	
02 90 55 00-0303	GAL		9-D-9 Smoke Deodorizer For Emergency Clean-up.....	165.61	
02 90 55 00-0304	LB		Deodorizing Gel For Emergency Clean-up.....	38.91	
02 90 55 00-0305	GAL		Deodorizing Liquid For Emergency Clean-up.....	57.60	
02 90 55 00-0306	PAIL		Deodorizing Block For Emergency Clean-up.....	9.78	
02 90 55 00-0307	GAL		Disinfectant/Antimicrobial For Emergency Clean-up.....	100.95	
02 90 55 00-0308	GAL		BruClean Disinfectant For Emergency Clean-up.....	30.66	
02 90 55 00-0309	GAL		Dryclean For Emergency Clean-up.....	45.26	
02 90 55 00-0310	GAL		Duct Sealant Spray For Emergency Clean-up.....	68.21	
02 90 55 00-0311	GAL		Antifungal Duct Sealant For Emergency Clean-up.....	98.52	
02 90 55 00-0312	GAL		Microbial Encapsulant (Fosters 20 - 40) For Emergency Clean-up.....	149.34	
02 90 55 00-0313	PR		Ear Plugs For Emergency Clean-up Personal Protection Equipment.....	0.61	
02 90 55 00-0314	GAL		Encapsulant For Emergency Clean-up.....	103.41	
02 90 55 00-0315	GAL		Aftershock Fiberlocke For Emergency Clean-up.....	90.79	
02 90 55 00-0316	GAL		IAQ 2500 Fiberlocke For Emergency Clean-up.....	116.99	
02 90 55 00-0317	GAL		IAS 6000 Fiberlocke For Emergency Clean-up.....	120.32	
02 90 55 00-0318	ROL		Filter Material For Emergency Clean-up.....	234.86	
02 90 55 00-0319	EA		Blue Paper Collection Bag Filter For Emergency Clean-up.....	6.33	
02 90 55 00-0320	EA		CVAC Filter For High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up.....	502.32	
02 90 55 00-0321	EA		Pre-Filter For Negative Air Machine For Emergency Clean-up.....	2.41	
02 90 55 00-0322	EA		Pleated Filter For Negative Air Machine For Emergency Clean-up.....	10.73	
02 90 55 00-0323	EA		Charcoal Filter For Negative Air Machine For Emergency Clean-up.....	38.20	
02 90 55 00-0324	EA		High Efficiency Particulate Air (HEPA) Filter For Negative Air Machine For Emergency Clean-up.....	363.31	
02 90 55 00-0325	EA		Pleated Dehumidifier Filter For Emergency Clean-up.....	9.59	

**02 Existing Conditions****02 90 Disaster Recovery****02 90 55 Emergency Clean-up**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

02 90 55 00-0326	GAL	Floor Stripper For Emergency Clean-up .....	21.22
02 90 55 00-0327	GAL	Floor Wax For Emergency Clean-up.....	30.32
02 90 55 00-0328	GAL	Fogger (Thermal) For Emergency Clean-up .....	175.65
02 90 55 00-0329	BOX	Furniture Blocks For Emergency Clean-up .....	141.47
02 90 55 00-0330	EA	Furniture Polish, Per 10 Oz Can For Emergency Clean-up .....	19.06
02 90 55 00-0331	GAL	Glass Cleaner For Emergency Clean-up .....	12.71
02 90 55 00-0332	PR	Chemical Splash/Impact Resistant, Polycarbonate Lens Safety Goggles For Emergency Clean-up Personal Protection Equipment .....	23.12
02 90 55 00-0333	EA	Goof Off Spray, 12 Oz For Emergency Clean-up .....	15.21
02 90 55 00-0334	EA	Halogen Light Bulbs For Emergency Clean-up.....	21.65
02 90 55 00-0335	QT	Hand Sanitizer For Emergency Clean-up .....	10.70
02 90 55 00-0336	EA	Hard Hats For Emergency Clean-up Personal Protection Equipment.....	8.81
02 90 55 00-0337	BOX	Hog Rings, Box Of 2,500 For Emergency Clean-up .....	18.53
02 90 55 00-0338	GAL	HVAC Coal Cleaner For Emergency Clean-up .....	60.21
02 90 55 00-0339	BOX	Inventory Tag, Box Of 1,000 For Emergency Clean-up .....	130.33
02 90 55 00-0340	EA	Utility Knives For Emergency Clean-up .....	16.67
02 90 55 00-0341	ROL	13" Lay Flat Tubing (250' Roll) For Emergency Clean-up.....	111.80
02 90 55 00-0342	ROL	20" Lay Flat Tubing (250' Roll) For Emergency Clean-up.....	118.03
02 90 55 00-0343	ROL	29" Lay Flat Tubing (250' Roll) For Emergency Clean-up.....	235.00
02 90 55 00-0344	ROL	39" Lay Flat Tubing (250' Roll) For Emergency Clean-up.....	339.68
02 90 55 00-0345	GAL	Lemon Oil For Emergency Clean-up.....	51.10
02 90 55 00-0346	GAL	LPS 1/Mecca Lube For Emergency Clean-up.....	55.08
02 90 55 00-0347	GAL	LPS 2 For Emergency Clean-up.....	58.30
02 90 55 00-0348	GAL	LPS Contact Cleaner For Emergency Clean-up .....	58.02
02 90 55 00-0349	GAL	Light Lubricant Preserve For Emergency Clean-up .....	136.05
02 90 55 00-0350	GAL	Heavy Lubricant Preserver For Emergency Clean-up.....	30.32
02 90 55 00-0351	GAL	Machinery Cleaning Solvent For Emergency Clean-up .....	244.63
02 90 55 00-0352	GAL	Metal Polishing Paste For Emergency Clean-up .....	25.18
02 90 55 00-0353	GAL	MediClean® Disinfectant For Emergency Clean-up .....	61.27
02 90 55 00-0354	GAL	Dri-Eaz Milgo Plus Sanitizer For Emergency Clean-up.....	75.20
02 90 55 00-0355	EA	Mop Heads For Emergency Clean-up.....	9.08
02 90 55 00-0356	EA	Nylon Scouring Pads For Emergency Clean-up .....	1.67
02 90 55 00-0357	GAL	Odor Neutralizer For Emergency Clean-up.....	39.09
02 90 55 00-0358	EA	Packing Paper, 25 LB Bundle For Emergency Clean-up .....	67.77
02 90 55 00-0359	EA	Paint Brushes For Emergency Clean-up.....	7.58
02 90 55 00-0360	ROL	Corrugated/Craft Paper, 48" x 250' For Emergency Clean-up .....	158.06
02 90 55 00-0361	EA	Putty Knives For Emergency Clean-up.....	6.87
02 90 55 00-0362	ROL	Red Resin Paper, 200' Roll For Emergency Clean-up.....	34.49
02 90 55 00-0363	GAL	Reodorant For Emergency Clean-up .....	128.84
02 90 55 00-0364	EA	N95 Respirator For Emergency Clean-up Personal Protection Equipment.....	4.41
02 90 55 00-0365	EA	N95 Respirator With Valve For Emergency Clean-up Personal Protection Equipment.....	6.85
02 90 55 00-0366	PR	3M Respirator Cartridges For Emergency Clean-up Personal Protection Equipment.....	45.96
02 90 55 00-0367	PR	P100 Respirator Cartridges For Emergency Clean-up Personal Protection Equipment .....	45.96
02 90 55 00-0368	EA	Respirator Cleaning Wipes, Per Box 100 For Emergency Clean-up Personal Protection Equipment .....	36.77
02 90 55 00-0369	GAL	Restoracide For Emergency Clean-up.....	60.43
02 90 55 00-0370	GAL	Rust Remover For Emergency Clean-up.....	89.42
02 90 55 00-0371	EA	Saltesmo Test Samples For Emergency Clean-up .....	8.31
02 90 55 00-0372	EA	Sand Bag For Emergency Clean-up .....	2.18
		Note: Excludes sand material	
02 90 55 00-0373	EA	Scotch-Brite 7447, Per Box 50 For Emergency Clean-up.....	27.14
02 90 55 00-0374	EA	Small Scrub Brushes For Emergency Clean-up .....	14.50
02 90 55 00-0375	GAL	Clear Soot Sealant For Emergency Clean-up.....	103.70
02 90 55 00-0376	GAL	Pigmented Soot Sealant For Emergency Clean-up .....	279.66
02 90 55 00-0377	ROL	Shrinkwrap Plastic For Emergency Clean-up .....	64.38
02 90 55 00-0378	EA	Dry Sponges For Emergency Clean-up .....	5.04
02 90 55 00-0379	EA	Spray Adhesive, Per Can For Emergency Clean-up.....	6.72
02 90 55 00-0380	EA	Spray Bot./Trigger For Emergency Clean-up.....	5.85
02 90 55 00-0381	GAL	Stain Remover For Emergency Clean-up .....	35.31
02 90 55 00-0382	GAL	Stainless Steel Cleaner For Emergency Clean-up.....	12.65
02 90 55 00-0383	EA	Stainless Steel Polish, Per Can For Emergency Clean-up .....	16.61
02 90 55 00-0384	LB	Sweeping Compound For Emergency Clean-up.....	0.55
02 90 55 00-0385	ROL	Duct Tape, 2" x 50 YD For Emergency Clean-up .....	13.14
02 90 55 00-0386	ROL	Environmental (Teal) Tape, 3/4" x 1,440' For Emergency Clean-up.....	12.36
02 90 55 00-0387	ROL	HVAC (Aluminum) Tape, 2" x 75' For Emergency Clean-up.....	33.35
02 90 55 00-0388	ROL	Blue Masking (Painters) Tape, 1-1/2" x 198' For Emergency Clean-up.....	17.59
02 90 55 00-0389	ROL	Poly Box Tape, 2" x 110 YD For Emergency Clean-up.....	5.43
02 90 55 00-0390	LB	Terry Towels For Emergency Clean-up .....	7.81
02 90 55 00-0391	GAL	Thermal Fog For Emergency Clean-up.....	79.45
02 90 55 00-0392	ROL	Lawn And Leaf Trash Bags For Emergency Clean-up.....	40.88
02 90 55 00-0393	ROL	6 Mil Heavy Duty Trash Bags (50 Count) For Emergency Clean-up.....	163.02
02 90 55 00-0394	EA	Trisodium Phosphate, 20 LB Pail For Emergency Clean-up.....	55.31
02 90 55 00-0395	EA	Backpack Vacuum Bags For Emergency Clean-up .....	1.86
02 90 55 00-0396	EA	Upright Vacuum Bags For Emergency Clean-up .....	2.49
02 90 55 00-0397	GAL	Vinyl And Leather Cleaner For Emergency Clean-up .....	31.53
02 90 55 00-0398	ROL	1 Mil Visqueen, 12' x 400', For Emergency Clean-up .....	52.96
02 90 55 00-0399	ROL	4 Mil Visqueen, 32' x 100', For Emergency Clean-up .....	143.80
02 90 55 00-0400	ROL	6 Mil Visqueen, 32' x 400', For Emergency Clean-up .....	196.21
02 90 55 00-0401	LB	Wipes, Cotton Cloth For Emergency Clean-up .....	5.56
02 90 55 00-0402	ROL	12" x 750', Wrap, Bubble/Anti-Static For Emergency Clean-up .....	161.50
02 90 55 00-0403	EA	Wyp-Alls, Case Of 160 Wipes For Emergency Clean-up.....	15.76
02 90 55 00-0404	EA	Zip Wall Zippers For Emergency Clean-up.....	24.51

**02 90 55 00-0405 Technical/Electronics Restoration Materials (02 90 55 00-0278)**

02 90 55 00-0406	EA	Brush - Brass For Emergency Clean-up .....	5.68
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0407	EA		1" Brush, Natural Bristle For Emergency Clean-up.....	1.82	
02 90 55 00-0408	EA		1/2" Brush, Natural Bristle For Emergency Clean-up.....	1.52	
02 90 55 00-0409	EA		1/4" Brush, Natural Bristle For Emergency Clean-up.....	1.29	
02 90 55 00-0410	EA		Brush - Parts For Emergency Clean-up.....	7.88	
02 90 55 00-0411	EA		Brush - Plastic For Emergency Clean-up.....	4.09	
02 90 55 00-0412	EA		Brush - Wire Grout For Emergency Clean-up.....	8.28	
02 90 55 00-0413	EA		Brushing Tool For Emergency Clean-up.....	15.96	
02 90 55 00-0414	EA		Cleaning Swabs, Cotton For Emergency Clean-up.....	0.38	
02 90 55 00-0415	EA		Cleaning Swabs, Foam Tip For Emergency Clean-up.....	0.45	
02 90 55 00-0416	EA		Contact Restorer, Per Can For Emergency Clean-up.....	34.46	
02 90 55 00-0417	EA		Contact Spray, Per Can For Emergency Clean-up.....	23.45	
02 90 55 00-0418	UNT		Corrosion Inhibitor Emitter - 1 CF For Emergency Clean-up.....	3.64	
02 90 55 00-0419	UNT		Corrosion Inhibitor Emitter - 5 CF For Emergency Clean-up.....	10.42	
02 90 55 00-0420	UNT		Corrosion Inhibitor Emitter - 10 CF For Emergency Clean-up.....	13.50	
02 90 55 00-0421	LB		Cotton Cleaning Cloths For Emergency Clean-up.....	21.32	
02 90 55 00-0422	EA		12" x 17" Dust Cloths For Emergency Clean-up.....	0.34	
02 90 55 00-0423	EA		24" x 24" Dust Cloths For Emergency Clean-up.....	0.93	
02 90 55 00-0424	EA		Deoxidizing Agent, Per Can For Emergency Clean-up.....	16.70	
02 90 55 00-0425	GAL		Electronic Grade Detergent For Emergency Clean-up.....	35.47	
02 90 55 00-0426	SHT		Inventory Labels For Emergency Clean-up.....	0.19	
02 90 55 00-0427	GAL		Isopropyl Alcohol For Emergency Clean-up.....	93.99	
02 90 55 00-0428	GAL		Lubrication/Penetrating Oil, Per Can For Emergency Clean-up.....	137.04	
02 90 55 00-0429	GAL		PC Board Detergent For Emergency Clean-up.....	97.34	
02 90 55 00-0430	GAL		Rust Inhibitor, Regular Duty For Emergency Clean-up.....	158.08	
02 90 55 00-0431	GAL		Rust Inhibitor, Moderate Duty For Emergency Clean-up.....	159.26	
02 90 55 00-0432	GAL		Rust Inhibitor, Severe Duty For Emergency Clean-up.....	170.23	
02 90 55 00-0433	LB		Wipes, Lint Free Cloths For Emergency Clean-up.....	5.97	
02 90 55 00-0434	EA		Wire Marker Card For Emergency Clean-up.....	2.65	
02 90 55 00-0435	EA		Steel Wool, 16 Pad Sleeve For Emergency Clean-up.....	1.34	

**END OF SECTION 02**

**02 Existing Conditions**

02 90 Disaster Recovery

02 90 55 Emergency Clean-up



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

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

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

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

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

03 01 30 51-0001	Abrasive Blasting <sup>(03 01 30 51)</sup> Note: Includes containment and clean-up of all material. Includes steel ball media.		
03 01 30 51-0002	SF Concrete Floors, Abrasive Shot (Bead) Blasting.....	3.36	
	<i>For Up To 100, Add</i>		2.86
	<i>For &gt;100 To 250, Add</i>		0.72
	<i>For &gt;250 To 500, Add</i>		0.36
	<i>For &gt;5,000 To 10,000, Deduct</i>		-0.07
	<i>For &gt;10,000, Deduct</i>		-0.14
03 01 30 51-0003	SF Concrete Walls, Abrasive Shot (Bead) Blasting.....	4.79	
	<i>For Up To 100, Add</i>		5.72
	<i>For &gt;100 To 250, Add</i>		1.43
	<i>For &gt;250 To 500, Add</i>		0.72
	<i>For &gt;5,000 To 10,000, Deduct</i>		-0.14
	<i>For &gt;10,000, Deduct</i>		-0.29

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

03 01 30 71-0001	Concrete Resurfacing/Repair <sup>(03 01 30 71)</sup> See CSI section 09 01 90 52-0002 for surface preparation as required.		
03 01 30 71-0002	Concrete Repair <sup>(03 01 30 71-0001)</sup>		
03 01 30 71-0003	Decks Or Floors <sup>(03 01 30 71-0002)</sup> Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.		
03 01 30 71-0004	SF Patch Decks Or Floors With 1/8" To 1/4" Thick Cementitious Mortar.....	6.34	
03 01 30 71-0005	SF Patch Decks Or Floors With 1/8" To 1/4" Thick Epoxy Cementitious Mortar .....	20.76	
03 01 30 71-0006	SF Patch Decks Or Floors With White Aluminum Oxide Grit (Non Slip Aggregate) .....	0.58	
03 01 30 71-0007	Verticals Or Overheads <sup>(03 01 30 71-0002)</sup> Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.		
03 01 30 71-0008	SF Patch Verticals Or Overheads With 1/8" To 1/4" Thick Cementitious Mortar .....	9.45	
03 01 30 71-0009	SF Patch Verticals Or Overheads With 1/8" To 1/4" Thick Epoxy Cementitious Mortar .....	27.94	
03 01 30 71-0010	SF Patch Verticals Or Overheads With 1/8" To 1/4" Thick Latex Cementitious Mortar .....	31.59	
03 01 30 71-0011	SF Patch Verticals Or Overheads With 1/8" To 1/4" Thick Elastomeric Compound .....	7.83	
03 01 30 71-0012	SF Patch Verticals Or Overheads With 1/8" To 1/4" Thick Copolymer Cementitious Compound.....	13.78	
	Note: Rapid Set - WunderFixx		
03 01 30 71-0013	Bridge Deck Treatment <sup>(03 01 30 71-0002)</sup>		
03 01 30 71-0014	SF Sweep Bridge Deck .....	0.02	
03 01 30 71-0015	SF Clean Bridge Deck .....	0.02	
03 01 30 71-0016	SF Treat Bridge Deck With Methacrylate Resin Sealant .....	1.91	
03 01 30 71-0017	Concrete Finishes <sup>(03 01 30 71-0001)</sup>		
03 01 30 71-0018	Concrete Patching <sup>(03 01 30 71-0017)</sup>		
03 01 30 71-0019	Walls <sup>(03 01 30 71-0018)</sup>		
03 01 30 71-0020	BAG Sika Top 111 Plus.....	146.26	
	Note: SikaTop 111 PLUS is a two-component, polymer-modified, portland-cement, fast-setting, screed mortar. Yield: Approximately 0.5 cu. ft./unit. Approximately 0.75 cu. ft./unit (SikaTop 111 + 42 lbs. of 3/8" pea gravel).		
	<i>For Up To 10, Add</i>		51.57
	<i>For &gt;10 To 25, Add</i>		30.94
	<i>For &gt;25 To 50, Add</i>		20.63
	<i>For &gt;50 To 75, Add</i>		10.31
03 01 30 71-0021	BAG Sika Grout 212, 50 LB Bag .....	101.29	
	Note: SikaGrout 212 is a non-shrink, cementitious grout with a unique 2-stage shrinkage compensating mechanism. It is non-metallic and contains no chloride. Coverage: Approximately 0.44 cu. ft./bag at high flow.		
	<i>For Up To 10, Add</i>		32.68
	<i>For &gt;10 To 25, Add</i>		19.61
	<i>For &gt;25 To 50, Add</i>		13.07
	<i>For &gt;50 To 75, Add</i>		6.54
03 01 30 71-0022	EA Sika Flex 1A, 10.3 Ounce Tube.....	36.13	
	Note: Sikaflex-1a is a premium-grade, high-performance, moisture-cured, 1-component, polyurethane-based, non-sag elastomeric sealant. Coverage: 10.3 fl. oz. cartridge seals 12.4 lineal ft. of 1/2 x 1/4 in. joint. 20 fl. oz. uni-pac sausage seals 24 lineal ft. of 1/2 x 1/4 in. joint.		
03 01 30 71-0023	BAG Pea Gravel.....	26.64	
03 01 30 71-0024	Crack Repair For Concrete <sup>(03 01 30 71-0001)</sup>		
03 01 30 71-0025	Non Structural Crack Repair For Concrete <sup>(03 01 30 71-0024)</sup>		

**03 Concrete****03 01 Maintenance of Concrete****03 01 30 Maintenance of Cast-In-Place Concrete**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

03 01 30 71-0026	<b>Surface Applied, Non Structural Crack Repair For Concrete</b> <small>(03 01 30 71-0025)</small>		
	Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing sealer with caulk gun, cartridge gun, squeeze bottle, etc. Excludes backer rod and sanding.		
03 01 30 71-0027	LF Up To 1/4" Wide, Latex Emulsion, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal).....	5.71	
	<i>For V-Grooving Crack With Grinder, Add</i> .....	4.57	
03 01 30 71-0028	LF >1/4" To 1/2" Wide, Latex Emulsion, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal).....	7.47	
	<i>For V-Grooving Crack With Grinder, Add</i> .....	4.46	
03 01 30 71-0029	LF Up To 1/4" Wide, Sanded Acrylic Latex, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair).....	5.83	
	<i>For V-Grooving Crack With Grinder, Add</i> .....	4.57	
03 01 30 71-0030	LF >1/4" To 1/2" Wide, Sanded Acrylic Latex, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair).....	7.69	
	<i>For V-Grooving Crack With Grinder, Add</i> .....	4.46	
03 01 30 71-0031	LF Up To 1/4" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant).....	6.24	
	<i>For V-Grooving Crack With Grinder, Add</i> .....	4.57	
03 01 30 71-0032	LF >1/4" To 1/2" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant).....	8.51	
	<i>For V-Grooving Crack With Grinder, Add</i> .....	4.46	
03 01 30 71-0033	LF Up To 1/4" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix).....	6.54	
	<i>For V-Grooving Crack With Grinder, Add</i> .....	4.57	
03 01 30 71-0034	LF >1/4" To 1/2" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix).....	9.11	
	<i>For V-Grooving Crack With Grinder, Add</i> .....	4.46	
03 01 30 71-0035	<b>Pressure Injected, Non Structural Crack Repair For Concrete</b> <small>(03 01 30 71-0025)</small>		
	Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with polyurethane and restoring the sealed surface to flush conditions. Excludes disposal.		
03 01 30 71-0036	LF Up To 1/4" Wide, Water Activated Polyurethane Foam Grout, Non Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (SealBoss 1570).....	25.78	
	<i>For Cracks Accessible From Both Sides, Add</i> .....	5.24	
03 01 30 71-0037	<b>Structural Crack Repair For Concrete</b> <small>(03 01 30 71-0024)</small>		
03 01 30 71-0038	<b>Surface Applied, Structural Crack Repair For Concrete</b> <small>(03 01 30 71-0037)</small>		
	Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Excludes disposal.		
03 01 30 71-0039	LF Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35).....	6.61	
	<i>For V-Grooving Crack With Grinder, Add</i> .....	4.57	
03 01 30 71-0040	LF >1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35).....	9.26	
	<i>For V-Grooving Crack With Grinder, Add</i> .....	4.46	
03 01 30 71-0041	LF Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied Trowel (Sikadur® 52).....	6.45	
	<i>For V-Grooving Crack With Grinder, Add</i> .....	4.57	
03 01 30 71-0042	LF >1/4" To 1/2" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 52).....	8.94	
	<i>For V-Grooving Crack With Grinder, Add</i> .....	4.46	
03 01 30 71-0043	LF Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix).....	7.78	
	<i>For V-Grooving Crack With Grinder, Add</i> .....	4.57	
03 01 30 71-0044	LF >1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix).....	11.61	
	<i>For V-Grooving Crack With Grinder, Add</i> .....	4.46	
03 01 30 71-0045	<b>Pressure Injected, Structural Crack Repair For Concrete</b> <small>(03 01 30 71-0037)</small>		
	Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with epoxy and restoring the sealed surface to flush conditions. Excludes disposal.		
03 01 30 71-0046	LF Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 35).....	22.59	
	<i>For Cracks Accessible From Both Sides, Add</i> .....	5.24	
03 01 30 71-0047	LF Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 52).....	22.43	
	<i>For Cracks Accessible From Both Sides, Add</i> .....	5.24	
03 01 30 71-0048	<b>Carbon Fiber Strengthening System</b> <small>(03 01 30 71-0001)</small>		
	Note: Includes preparing surface, dust and debris removal by hand, clean and protect adjacent area, fill voids, primer, fabric substrate layers, final coat of epoxy and finish. Excludes disposal.		
03 01 30 71-0049	SF Carbon Fiber Strengthening System For Concrete Beams, Per Layer.....	76.04	
	Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.		
03 01 30 71-0050	SF Carbon Fiber Strengthening System For Concrete Columns, Per Layer.....	67.10	
	Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.		
03 01 30 71-0051	SF Carbon Fiber Strengthening System For Concrete Ceiling Slabs, Per Layer.....	62.07	
	Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.		
03 01 30 71-0052	SF Carbon Fiber Strengthening System For Walls, Per Layer.....	59.28	
	Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.		

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>03 01 30 71-0053</b>	<b>Fiber Reinforced Polymer (FRP) Strengthening System</b> <small>(03 01 30 71-0001)</small> Note: Includes preparing surface, dust and debris removal by hand, clean and protect adjacent area, fill voids, primer, fabric substrate layers, final coat of epoxy and finish. Excludes disposal.		
03 01 30 71-0054	SF Composite Strengthening System - Exterior, Per Layer ..... Note: Includes composite fabric SCH fiber, SEH fiber, epoxy saturant, primer, filler for voids, anchors, finish. TYFO Fibrwrap System by Fyfe Company	49.47	
	<i>For Floor Surfaces, Deduct</i>	-7.79	
03 01 30 71-0055	SF Composite Strengthening Fire Resistant System - Interior, Per Layer..... Note: Includes composite fabric SCH fiber, SEH fiber, epoxy saturant, primer, filler for voids, anchors, finish and fire coating. TYFO Fibrwrap System by Fyfe Company	60.06	
	<i>For Floor Surfaces, Deduct</i>	-9.56	

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

<b>03 01 30 72-0001</b>	<b>Concrete Surface Repairs</b> <small>(03 01 30 72)</small>		
03 01 30 72-0002	SF Sound The Concrete Surface To Locate Delaminated Areas .....	0.35	

**03 05 Common Work Results For Concrete** (03)

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

<b>03 05 13 00-0001</b>	<b>Concrete Admixtures</b> <small>(03 05 13)</small>		
03 05 13 00-0002	CY Low Range Water Reducing (LRWR), Type A Concrete Admixture .....	5.44	
03 05 13 00-0003	CY Set Retarding, Type B Concrete Admixture .....	3.77	
03 05 13 00-0004	CY 1% Calcium Chloride Accelerating, Type C Concrete Admixture.....	5.86	
03 05 13 00-0005	CY 2% Calcium Chloride Accelerating, Type C Concrete Admixture.....	11.71	
03 05 13 00-0006	CY 1% Non-Chloride Accelerating, Type C Concrete Admixture.....	10.46	
03 05 13 00-0007	CY 2% Non-Chloride Accelerating, Type C Concrete Admixture.....	20.92	
03 05 13 00-0008	CY Water Reducing and Retarding (Hydration Stabilizer), Type D Concrete Admixture .....	4.52	
03 05 13 00-0009	CY 1% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture.....	6.28	
03 05 13 00-0010	CY 2% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture .....	12.55	
03 05 13 00-0011	CY Mid Range Water Reducing (MRWR) Superplasticizer, Type A Or E Concrete Admixture .....	5.89	
03 05 13 00-0012	CY High Range Water Reducing (HRWR) Superplasticizer, Type F Concrete Admixture.....	10.04	
03 05 13 00-0013	CY 1-1/2 LB/CY Polyethylene, Polypropylene, Nylon, Synthetic Plastic Fibers, Concrete Admixture .....	13.39	
03 05 13 00-0014	CY 25 LB/CY Steel Fibers, Concrete Admixture.....	32.81	
03 05 13 00-0015	CY 10% Microsilica (Silica Fume), Concrete Admixture .....	66.94	
03 05 13 00-0016	CY Corrosion Inhibiting Concrete Admixture .....	25.10	
03 05 13 00-0017	CY Winter Service Or Heat, Concrete Add.....	5.86	
03 05 13 00-0018	CY Chilled Water, Concrete Add.....	5.86	
03 05 13 00-0019	CY Subtle Color (See Davis Colors Color Card), Concrete Admixture .....	33.89	
03 05 13 00-0020	CY Standard Color (See Davis Colors Color Card), Concrete Admixture.....	56.48	
03 05 13 00-0021	CY Premium Color (See Davis Colors Color Card), Concrete Admixture .....	108.44	
03 05 13 00-0022	CY Ultra Premium Color (See Davis Colors Color Card), Concrete Admixture .....	150.62	
03 05 13 00-0023	CY XYPEX Concrete Additive C-500, C-1000 or C-2000.....	55.20	

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

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

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

Note: Per square foot of formwork.

<b>03 11 13 00-0001</b>	<b>Wood Formwork</b> <small>(03 11 13)</small> Note: For job built wood and/or plywood form systems where metal framed formwork cannot be used. Includes erecting, stripping, stacking, plywood, framing lumber, oiling, studs/walers, strongbacks, deadmen, supporting braces, turnbuckles, ties, and clips.		
<b>03 11 13 00-0002</b>	<b>Foundation Wood Formwork</b> <small>(03 11 13 00-0001)</small> Note: For foundation work below or at grade.		
03 11 13 00-0003	SF Continuous Footings Foundation Wood Formwork..... <i>For &lt;1,000, Add</i>	8.87 1.57	
	<i>For Foundations &gt;8' Below Grade, Add</i>	1.47	
	<i>For Curved Formwork, Add</i>	2.94	
03 11 13 00-0004	SF Pile Cap, Pier Or Spread Footings Foundation Wood Formwork..... <i>For &lt;1,000, Add</i>	10.41 1.87	
	<i>For Foundations &gt;8' Below Grade, Add</i>	1.77	
	<i>For Curved Formwork, Add</i>	3.53	
03 11 13 00-0005	SF Mat Foundation Wood Formwork..... <i>For &lt;1,000, Add</i>	11.95 2.18	
	<i>For Foundations &gt;8' Below Grade, Add</i>	2.08	
	<i>For Curved Formwork, Add</i>	4.15	
03 11 13 00-0006	SF Grade Beams Or Duct Bank Foundation Wood Formwork .....	10.16	
	<i>For &lt;1,000, Add</i>	1.82	
	<i>For Foundations &gt;8' Below Grade, Add</i>	1.72	
	<i>For Curved Formwork, Add</i>	3.44	
03 11 13 00-0007	SF Below Grade Walls Foundation Wood Formwork .....	14.43	
	Note: Excludes footing		
	<i>For &lt;1,000, Add</i>	2.58	
	<i>For Foundations &gt;8' Below Grade, Add</i>	2.43	
	<i>For Curved Formwork, Add</i>	4.86	

**03 11 13 00-0008 Slab Edge And Block-Out Wood Formwork** (03 11 13 00-0001)

**03 Concrete****03 10 Concrete Forming and Accessories****03 11 Concrete Forming**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

03 11 13 00-0009	LF	Up To 6" High Slab Edge and Block-Out Wood Formwork .....	6.60	
		<i>For Foundations &gt;8' Below Grade, Add</i>	1.16	
		<i>For Curved Formwork, Add</i>	2.32	
		<i>For Up To 250, Add</i>	1.21	
03 11 13 00-0010	LF	>6" To 12" High Slab Edge and Block-Out Wood Formwork .....	9.75	
		<i>For Foundations &gt;8' Below Grade, Add</i>	1.63	
		<i>For Curved Formwork, Add</i>	3.27	
		<i>For Up To 250, Add</i>	1.74	
03 11 13 00-0011	SF	>12" High Slab Edge and Block-Out Wood Formwork .....	12.58	
		<i>For Foundations &gt;8' Below Grade, Add</i>	2.12	
		<i>For Curved Formwork, Add</i>	4.23	
		<i>For &lt;1,000, Add</i>	2.25	
<b>03 11 13 00-0012</b>		<b>Column Wood Formwork</b> (03 11 13 00-0001)		
03 11 13 00-0013	LF	Up To 8" Square Column Wood Formwork .....	52.75	
03 11 13 00-0014	LF	>8" To 12" Square Column Wood Formwork .....	78.65	
03 11 13 00-0015	LF	>12" To 18" Square Column Wood Formwork .....	97.65	
03 11 13 00-0016	LF	>18" To 24" Square Column Wood Formwork .....	137.18	
03 11 13 00-0017	LF	>24" To 36" Square Column Wood Formwork .....	195.99	
03 11 13 00-0018	LF	>36" To 48" Square Column Wood Formwork .....	256.47	
<b>03 11 13 00-0019</b>		<b>Above Grade Wall Wood Formwork</b> (03 11 13 00-0001)		
03 11 13 00-0020	SF	Up To 8' High Above Grade Wall Wood Formwork .....	15.94	
		<i>For Curved Formwork, Add</i>	5.47	
		<i>For &lt;1,000, Add</i>	2.89	
03 11 13 00-0021	SF	>8' High Above Grade Wall Wood Formwork .....	18.83	
		<i>For Curved Formwork, Add</i>	6.48	
		<i>For &lt;1,000, Add</i>	3.42	
<b>03 11 13 00-0022</b>		<b>Elevated Beam Wood Formwork</b> (03 11 13 00-0001)		
		Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.		
03 11 13 00-0023	SF	Bottom of Elevated Beam Wood Formwork .....	20.12	
		<i>For Curved Formwork, Add</i>	7.06	
		<i>For &lt;1,000, Add</i>	3.69	
03 11 13 00-0024	SF	Vertical Sides of Elevated Beam Wood Formwork .....	13.20	
		<i>For Curved Formwork, Add</i>	4.55	
		<i>For &lt;1,000, Add</i>	2.40	
<b>03 11 13 00-0025</b>		<b>Elevated Slab Wood Formwork</b> (03 11 13 00-0001)		
		Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.		
03 11 13 00-0026	SF	Elevated Slab Wood Formwork .....	12.40	
		<i>For &lt;1,000, Add</i>	2.17	
<b>03 11 13 00-0027</b>		<b>Metal Framed Formwork</b> (03 11 13)		
		Note: For all metal framed and metal form systems. Includes erecting, stripping, stacking, oiling, studs/walers, strongbacks, deadmen, supporting braces, turnbuckles, ties, and clips.		
<b>03 11 13 00-0028</b>		<b>Foundation Metal Framed Formwork</b> (03 11 13 00-0027)		
		Note: For foundation work below or at grade.		
03 11 13 00-0029	SF	Continuous Footings Foundation Metal Framed Formwork .....	7.31	
		<i>For &lt;1,000, Add</i>	1.34	
		<i>For Foundations &gt;8' Below Grade, Add</i>	1.28	
		<i>For Curved Formwork, Add</i>	2.57	
03 11 13 00-0030	SF	Pile Cap, Pier Or Spread Footings Foundation Metal Framed Formwork .....	8.11	
		<i>For &lt;1,000, Add</i>	1.50	
		<i>For Foundations &gt;8' Below Grade, Add</i>	1.44	
		<i>For Curved Formwork, Add</i>	2.88	
03 11 13 00-0031	SF	Mat Foundation Metal Framed Formwork .....	9.09	
		<i>For &lt;1,000, Add</i>	1.67	
		<i>For Foundations &gt;8' Below Grade, Add</i>	1.59	
		<i>For Curved Formwork, Add</i>	3.18	
03 11 13 00-0032	SF	Grade Beams Or Duct Bank Foundation Metal Framed Formwork .....	7.67	
		<i>For &lt;1,000, Add</i>	1.40	
		<i>For Foundations &gt;8' Below Grade, Add</i>	1.34	
		<i>For Curved Formwork, Add</i>	2.68	
03 11 13 00-0033	SF	Below Grade Walls Foundation Metal Framed Formwork .....	11.68	
		Note: Excludes footing.		
		<i>For &lt;1,000, Add</i>	2.17	
		<i>For Foundations &gt;8' Below Grade, Add</i>	2.09	
		<i>For Curved Formwork, Add</i>	4.18	
<b>03 11 13 00-0034</b>		<b>Slab Edge And Block-Out Metal Framed Formwork</b> (03 11 13 00-0027)		
03 11 13 00-0035	LF	Up To 6" High Slab Edge and Block-Out Metal Framed Formwork .....	5.21	
		<i>For Foundations &gt;8' Below Grade, Add</i>	1.02	
		<i>For Curved Formwork, Add</i>	2.03	
		<i>For &lt;250, Add</i>	1.03	
03 11 13 00-0036	LF	>6" To 12" High Slab Edge and Block-Out Metal Framed Formwork .....	6.53	
		<i>For Foundations &gt;8' Below Grade, Add</i>	1.26	
		<i>For Curved Formwork, Add</i>	2.53	
		<i>For &lt;250, Add</i>	1.28	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 11 13 00-0037	SF	>12" High Slab Edge and Block-Out Metal Framed Formwork.....	7.22		
		<i>For Foundations &gt;8' Below Grade, Add</i>	1.40		
		<i>For Curved Formwork, Add</i>	2.79		
		<i>For &lt;1,000, Add</i>	1.41		
<b>03 11 13 00-0038</b>		<b>Column Metal Framed Formwork</b> (03 11 13 00-0027)			
<b>03 11 13 00-0039</b>		<b>Square Columns</b> (03 11 13 00-0038)			
03 11 13 00-0040	LF	Up To 12" Square Column Metal Framed Formwork.....	44.70		
03 11 13 00-0041	LF	>12" To 16" Square Column Metal Framed Formwork.....	54.02		
03 11 13 00-0042	LF	>16" To 20" Square Column Metal Framed Formwork.....	63.37		
03 11 13 00-0043	LF	>20" To 24" Square Column Metal Framed Formwork.....	75.72		
03 11 13 00-0044	LF	>24" To 30" Square Column Metal Framed Formwork.....	91.22		
03 11 13 00-0045	LF	>30" To 36" Square Column Metal Framed Formwork.....	109.54		
03 11 13 00-0046	LF	>36" To 48" Square Column Metal Framed Formwork.....	140.55		
03 11 13 00-0047	LF	>48" To 60" Square Column Metal Framed Formwork.....	173.36		
<b>03 11 13 00-0048</b>		<b>Round Columns</b> (03 11 13 00-0038)			
03 11 13 00-0049	LF	Up To 12" Diameter Column Metal Formwork.....	44.21		
03 11 13 00-0050	LF	>12" To 16" Diameter Column Metal Formwork.....	49.14		
03 11 13 00-0051	LF	>16" To 20" Diameter Column Metal Formwork.....	56.38		
03 11 13 00-0052	LF	>20" To 24" Diameter Column Metal Formwork.....	65.68		
03 11 13 00-0053	LF	>24" To 30" Diameter Column Metal Formwork.....	77.53		
03 11 13 00-0054	LF	>30" To 36" Diameter Column Metal Formwork.....	88.76		
03 11 13 00-0055	LF	>36" To 48" Diameter Column Metal Formwork.....	115.16		
03 11 13 00-0056	LF	>48" To 60" Diameter Column Metal Formwork.....	150.52		
<b>03 11 13 00-0057</b>		<b>Above Grade Wall Metal Framed Formwork</b> (03 11 13 00-0027)			
03 11 13 00-0058	SF	Up to 8' High Above Grade Wall Metal Framed Formwork.....	7.19		
		<i>For Curved Formwork, Add</i>	2.39		
		<i>For &lt;1,000, Add</i>	1.28		
03 11 13 00-0059	SF	>8' High Above Grade Wall Metal Framed Formwork.....	8.77		
		<i>For Curved Formwork, Add</i>	2.88		
		<i>For &lt;1,000, Add</i>	1.54		
<b>03 11 13 00-0060</b>		<b>Elevated Beam Metal Framed Formwork</b> (03 11 13 00-0027)			
		Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.			
03 11 13 00-0061	SF	Bottom of Elevated Beam Metal Framed Formwork.....	7.11		
		<i>For Curved Formwork, Add</i>	2.22		
		<i>For &lt;1,000, Add</i>	1.22		
03 11 13 00-0062	SF	Vertical Sides of Elevated Beam Metal Framed Formwork.....	5.36		
		<i>For Curved Formwork, Add</i>	1.75		
		<i>For &lt;1,000, Add</i>	0.94		
<b>03 11 13 00-0063</b>		<b>Elevated Slab Metal Framed Formwork</b> (03 11 13 00-0027)			
		Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.			
03 11 13 00-0064	SF	Elevated Slab Metal Framed Formwork.....	9.51		
		<i>For &lt;1,000, Add</i>	1.46		
<b>03 11 13 00-0065</b>		<b>Fiber Tube Formwork</b> (03 11 13)			
		Note: Includes all supporting braces, erecting, aligning, stripping, turnbuckles, ties and clips.			
<b>03 11 13 00-0066</b>		<b>Round Column Fiber Tube Formwork</b> (03 11 13 00-0065)			
03 11 13 00-0067	LF	6" Diameter Round Fiber Tube Formwork.....	18.99		
		<i>For Plastic Lined, Add</i>	0.86		
		<i>For Columns &gt;12' In Length, Add</i>	1.90		
03 11 13 00-0068	LF	8" Diameter Round Fiber Tube Formwork.....	20.10		
		<i>For Plastic Lined, Add</i>	1.01		
		<i>For Columns &gt;12' In Length, Add</i>	2.01		
03 11 13 00-0069	LF	10" Diameter Round Fiber Tube Formwork.....	22.23		
		<i>For Plastic Lined, Add</i>	1.16		
		<i>For Columns &gt;12' In Length, Add</i>	2.22		
03 11 13 00-0070	LF	12" Diameter Round Fiber Tube Formwork.....	26.42		
		<i>For Plastic Lined, Add</i>	1.66		
		<i>For Columns &gt;12' In Length, Add</i>	2.64		
03 11 13 00-0071	LF	14" Diameter Round Fiber Tube Formwork.....	30.10		
		<i>For Plastic Lined, Add</i>	2.25		
		<i>For Columns &gt;12' In Length, Add</i>	3.01		
03 11 13 00-0072	LF	16" Diameter Round Fiber Tube Formwork.....	32.91		
		<i>For Plastic Lined, Add</i>	2.85		
		<i>For Columns &gt;12' In Length, Add</i>	3.29		
03 11 13 00-0073	LF	18" Diameter Round Fiber Tube Formwork.....	34.64		
		<i>For Plastic Lined, Add</i>	3.10		
		<i>For Columns &gt;12' In Length, Add</i>	3.46		
03 11 13 00-0074	LF	20" Diameter Round Fiber Tube Formwork.....	38.10		
		<i>For Plastic Lined, Add</i>	3.87		
		<i>For Columns &gt;12' In Length, Add</i>	3.81		
03 11 13 00-0075	LF	22" Diameter Round Fiber Tube Formwork.....	42.02		
		<i>For Plastic Lined, Add</i>	4.67		
		<i>For Columns &gt;12' In Length, Add</i>	4.20		

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0076	LF		24" Diameter Round Fiber Tube Formwork .....	45.95	
			<i>For Plastic Lined, Add</i> .....	5.47	
			<i>For Columns &gt;12' In Length, Add</i> .....	4.60	
03 11 13 00-0077	LF		26" Diameter Round Fiber Tube Formwork .....	48.11	
			<i>For Plastic Lined, Add</i> .....	5.96	
			<i>For Columns &gt;12' In Length, Add</i> .....	4.81	
03 11 13 00-0078	LF		28" Diameter Round Fiber Tube Formwork .....	51.52	
			<i>For Plastic Lined, Add</i> .....	6.83	
			<i>For Columns &gt;12' In Length, Add</i> .....	5.15	
03 11 13 00-0079	LF		30" Diameter Round Fiber Tube Formwork .....	55.20	
			<i>For Plastic Lined, Add</i> .....	7.79	
			<i>For Columns &gt;12' In Length, Add</i> .....	5.52	
03 11 13 00-0080	LF		36" Diameter Round Fiber Tube Formwork .....	68.21	
			<i>For Plastic Lined, Add</i> .....	11.15	
			<i>For Columns &gt;12' In Length, Add</i> .....	6.82	
03 11 13 00-0081	LF		42" Diameter Round Fiber Tube Formwork .....	95.48	
			<i>For Plastic Lined, Add</i> .....	18.93	
			<i>For Columns &gt;12' In Length, Add</i> .....	9.55	
03 11 13 00-0082	LF		48" Diameter Round Fiber Tube Formwork .....	115.01	
			<i>For Plastic Lined, Add</i> .....	24.40	
			<i>For Columns &gt;12' In Length, Add</i> .....	11.50	
03 11 13 00-0083	LF		54" Diameter Round Fiber Tube Formwork .....	196.24	
			<i>For Plastic Lined, Add</i> .....	48.13	
			<i>For Columns &gt;12' In Length, Add</i> .....	19.62	
03 11 13 00-0084	LF		60" Diameter Round Fiber Tube Formwork .....	218.69	
			<i>For Plastic Lined, Add</i> .....	54.38	
			<i>For Columns &gt;12' In Length, Add</i> .....	21.87	
03 11 13 00-0085			Accessories For Formwork (03 11 13) .....		
03 11 13 00-0086			Keyway Forms, All Materials (03 11 13 00-0085) .....		
03 11 13 00-0087	LF		2" x 4" To 2" x 6" Keyway Forms for Concrete Formwork, All Materials.....	2.35	
03 11 13 00-0088			Chamfer Strips, All Materials (03 11 13 00-0085) .....		
03 11 13 00-0089	LF		1/2" Wide Chamfer Strips for Concrete Formwork, All Materials.....	2.48	
03 11 13 00-0090	LF		3/4" Wide Chamfer Strips for Concrete Formwork, All Materials.....	2.91	
03 11 13 00-0091	LF		1" Wide Chamfer Strips for Concrete Formwork, All Materials.....	3.36	
03 11 13 00-0092			Strip Out Reglets For Concrete Formwork (03 11 13 00-0085) .....		
03 11 13 00-0093	LF		24 To 26 Gauge Galvanized Steel, Strip Out Reglets For Concrete Formwork .....	11.36	
03 11 13 00-0094			Sleeves And Chases, Plastic Or Sheet Metal (03 11 13 00-0085) .....		
03 11 13 00-0095	EA		2" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal .....	13.22	
03 11 13 00-0096	EA		4" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal .....	15.92	
03 11 13 00-0097	EA		6" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal .....	19.25	
03 11 13 00-0098	EA		8" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal .....	21.75	
03 11 13 00-0099	EA		12" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal .....	27.99	
03 11 13 00-0100	EA		18" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal .....	60.39	
03 11 16			<b>Architectural Cast-In-Place Concrete Forming (03 11)</b> .....		
03 11 16 13			<b>Concrete Form Liners (03 11 16)</b> .....		
03 11 16 13-0001			Concrete Form Liners (03 11 16 13) .....		
03 11 16 13-0002	SF		Various Patterns And Textures, 1 Use, Concrete Form Liner, Add To Formwork.....	5.55	
03 11 16 13-0003	SF		Beveled Edge, Rusticated Concrete Finish, 1 Use, Concrete Form Liner, Add To Formwork .....	7.26	
03 11 16 13-0004	SF		Square Edge, Rusticated Concrete Finish, 1 Use, Concrete Form Liner, Add To Formwork.....	9.54	
03 11 23			<b>Permanent Stair Forming (03 11)</b> .....		
03 11 23 00-0001			Stairway Wood Formwork (03 11 23) .....		
03 11 23 00-0002	SF		Cast On Grade Stairway Wood Formwork .....	19.11	
			<i>For Curved Formwork, Add</i> .....	7.10	
			<i>For &lt;1,000, Add</i> .....	3.64	
03 11 23 00-0003	SF		Elevated Stairway Wood Formwork.....	38.29	
			Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair.		
			<i>For Curved Formwork, Add</i> .....	13.93	
			<i>For &lt;1,000, Add</i> .....	7.20	
03 11 23 00-0004			Stairway Metal Framed Formwork (03 11 23) .....		
03 11 23 00-0005	SF		Cast On Grade Stairway Metal Framed Formwork .....	15.23	
			<i>For Curved Formwork, Add</i> .....	5.76	
			<i>For &lt;1,000, Add</i> .....	2.94	
03 11 23 00-0006	SF		Elevated Stairway Metal Framed Formwork .....	28.17	
			Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair.		
			<i>For Curved Formwork, Add</i> .....	10.69	
			<i>For &lt;1,000, Add</i> .....	5.44	
03 15			<b>Concrete Accessories (03 10)</b> .....		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**03 15 13 Waterstops (03 15)**

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

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

03 15 13 13-0002	LF	3/16" Thick x 4" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop.....	8.54
03 15 13 13-0003	LF	3/16" Thick x 6" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop.....	9.55
03 15 13 13-0004	LF	3/16" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb.....	11.36
03 15 13 13-0005	LF	3/8" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb.....	12.40
03 15 13 13-0006	LF	1/2" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop.....	18.03
03 15 13 13-0007	LF	3/16" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop.....	9.07
03 15 13 13-0008	LF	3/8" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop.....	11.45
03 15 13 13-0009	LF	3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop.....	19.58
03 15 13 13-0010	LF	3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop With Center Bulb.....	15.72

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

03 15 13 13-0012	LF	3/8" Thick x 6" Wide Rubber Dumbbell Waterstop.....	9.49
03 15 13 13-0013	LF	3/8" Thick x 9" Wide Rubber Dumbbell Waterstop.....	10.81
03 15 13 13-0014	LF	1/4" Thick x 6" Wide Rubber Waterstop, With Center Bulb.....	9.71
03 15 13 13-0015	LF	1/4" Thick x 9" Wide Rubber Waterstop, With Center Bulb.....	13.06
03 15 13 13-0016	LF	3/8" Thick x 6" Wide Rubber Waterstop, With Center Bulb.....	11.08
03 15 13 13-0017	LF	3/8" Thick x 9" Wide Rubber Waterstop, With Center Bulb.....	13.96

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

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

03 15 13 16-0002	LF	3/4" x 3/8" Bentonite Waterstop.....	7.46
03 15 13 16-0003	LF	1-1/4" x 1/2" Bentonite Waterstop.....	11.26
03 15 13 16-0004	LF	1" x 3/4" Bentonite Waterstop.....	12.60
03 15 13 16-0005	LF	1" x 1" Bentonite Waterstop.....	14.18

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

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

03 15 16 00-0002	LF	1/2" x 1" Plain Asphalt Expansion Joint, Poured.....	2.76		0.79
<i>For Installation In Walls, Add</i>					
1.33					
03 15 16 00-0003	LF	1" x 2" Plain Asphalt Expansion Joint, Poured.....	5.98		0.79
<i>For Installation In Walls, Add</i>					
1.49					
03 15 16 00-0004	LF	1/2" x 1" Liquid Neoprene Expansion Joint, Poured, Cold Applied.....	2.64		0.79
<i>For Installation In Walls, Add</i>					
1.33					
03 15 16 00-0005	LF	1" x 2" Liquid Neoprene Expansion Joint, Poured, Cold Applied.....	5.49		0.79
<i>For Installation In Walls, Add</i>					
1.49					
03 15 16 00-0006	LF	1/2" x 1" Polyurethane Expansion Joint, Poured, 2 Parts.....	3.61		0.79
<i>For Installation In Walls, Add</i>					
1.49					
03 15 16 00-0007	LF	1" x 2" Polyurethane Expansion Joint, Poured, 2 Parts.....	6.44		0.79
<i>For Installation In Walls, Add</i>					
2.42					
03 15 16 00-0008	LF	1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Or Cold Applied.....	3.04		0.79
<i>For Installation In Walls, Add</i>					
1.33					
03 15 16 00-0009	LF	1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant.....	3.70		0.79
<i>For Installation In Walls, Add</i>					
1.33					
03 15 16 00-0010	LF	1" x 2" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant.....	9.39		0.79
<i>For Installation In Walls, Add</i>					
1.49					

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

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

03 15 16 00-0013	LF	1/4" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.39		1.11
03 15 16 00-0014	LF	1/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.72		1.17
03 15 16 00-0015	LF	1/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.92		1.22
03 15 16 00-0016	LF	1/4" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint.....	3.13		1.28
03 15 16 00-0017	LF	3/8" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.58		1.11
03 15 16 00-0018	LF	3/8" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.87		1.17
03 15 16 00-0019	LF	3/8" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint.....	3.20		1.22
03 15 16 00-0020	LF	3/8" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint.....	3.67		1.28
03 15 16 00-0021	LF	1/2" x 2" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.35		1.06
03 15 16 00-0022	LF	1/2" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.55		1.11
03 15 16 00-0023	LF	1/2" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.79		1.17
03 15 16 00-0024	LF	1/2" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.99		1.22
03 15 16 00-0025	LF	1/2" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint.....	3.24		1.28
03 15 16 00-0026	LF	1/2" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint.....	3.57		1.33
03 15 16 00-0027	LF	1/2" x 10" Asphalt Saturated Fiber, Premolded Expansion Joint.....	3.83		1.39
03 15 16 00-0028	LF	1/2" x 12" Asphalt Saturated Fiber, Premolded Expansion Joint.....	4.27		1.44
03 15 16 00-0029	LF	3/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.81		1.17
03 15 16 00-0030	LF	3/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint.....	3.19		1.22
03 15 16 00-0031	LF	3/4" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint.....	3.86		1.33
03 15 16 00-0032	SF	1" Asphalt Saturated Fiber, Premolded Expansion Joint.....	6.57		1.83

**03 15 16 00-0033 Cork, Premolded Expansion Joints (03 15 16 00-0011)**

03 15 16 00-0034	LF	1/2" x 4" Cork, Premolded Expansion Joint.....	3.90		1.17
03 15 16 00-0035	LF	1/2" x 6" Cork, Premolded Expansion Joint.....	4.38		1.28
03 15 16 00-0036	LF	1/2" x 8" Cork, Premolded Expansion Joint.....	4.74		1.33

**03 Concrete****03 10 Concrete Forming and Accessories****03 15 Concrete Accessories**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

03 15 16 00-0037	LF	1/2" x 10" Cork, Premolded Expansion Joint.....	6.54	1.39
03 15 16 00-0038	LF	1/2" x 12" Cork, Premolded Expansion Joint.....	6.95	1.44
03 15 16 00-0039	SF	1/2" Cork, Premolded Expansion Joint.....	7.72	1.83
03 15 16 00-0040	SF	3/4" Cork, Premolded Expansion Joint.....	8.89	1.83
03 15 16 00-0041	SF	1" Cork, Premolded Expansion Joint .....	9.42	1.83
<b>03 15 16 00-0042</b>		<b>Flexible Polyethylene Foam, Premolded Expansion Joints</b> (03 15 16 00-0011)		
03 15 16 00-0043	LF	1/4" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint .....	2.58	1.17
03 15 16 00-0044	LF	1/4" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint .....	2.70	1.22
03 15 16 00-0045	LF	1/4" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint .....	2.84	1.28
03 15 16 00-0046	LF	1/4" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint .....	3.26	1.33
03 15 16 00-0047	LF	1/2" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint .....	2.65	1.17
03 15 16 00-0048	LF	1/2" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint .....	2.77	1.22
03 15 16 00-0049	LF	1/2" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint .....	2.89	1.28
03 15 16 00-0050	LF	1/2" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint .....	3.15	1.33
<b>03 15 16 00-0051</b>		<b>Zip Strip, Premolded Expansion Joints</b> (03 15 16 00-0011)		
03 15 16 00-0052	LF	1" Zip Strip, Premolded Expansion Joint.....	2.61	1.17
03 15 16 00-0053	LF	1-1/2" Zip Strip, Premolded Expansion Joint.....	2.84	1.22
03 15 16 00-0054	LF	2" Zip Strip, Premolded Expansion Joint.....	3.15	1.33
<b>03 15 16 00-0055</b>		<b>Sponge Rubber, Premolded Expansion Joints</b> (03 15 16 00-0011)		
03 15 16 00-0056	LF	1/2" x 4" Sponge Rubber, Premolded Expansion Joint.....	4.24	1.11
03 15 16 00-0057	LF	1/2" x 6" Sponge Rubber, Premolded Expansion Joint.....	5.08	1.11
<b>03 15 16 00-0058</b>		<b>Asphalt Felt Control Joints Or Bond Breaker</b> (03 15 16)		
03 15 16 00-0059	SF	Asphalt Felt Control Joint, 30 LB Felt Bond Breaker.....	1.22	0.84
		>1,250, Deduct	-0.06	
03 15 16 00-0060	SF	Asphalt Felt Control Joint, 15 LB Felt Bond Breaker.....	1.17	0.84
		>1,250, Deduct	-0.06	
<b>03 15 16 00-0061</b>		<b>Keyed Cold Expansion And Control Joints</b> (03 15 16)		
<b>03 15 16 00-0062</b>		<b>24 Gauge Galvanized Steel With Stakes</b> (03 15 16 00-0061)		
03 15 16 00-0063	LF	24 Gauge Galvanized Steel Keyed Joint, 3-1/2" Cold Expansion Or Control Joint.....	6.32	
03 15 16 00-0064	LF	24 Gauge Galvanized Steel Keyed Joint, 4-1/2" Cold Expansion Or Control Joint.....	6.44	
03 15 16 00-0065	LF	24 Gauge Galvanized Steel Keyed Joint, 5-1/2" Cold Expansion Or Control Joint.....	6.69	
03 15 16 00-0066	LF	24 Gauge Galvanized Steel Keyed Joint, 7-1/2" Cold Expansion Or Control Joint.....	7.08	
03 15 16 00-0067	LF	24 Gauge Galvanized Steel Keyed Joint, 9-1/2" Cold Expansion Or Control Joint.....	8.83	
<b>03 15 19</b>		<b>Cast-In Concrete Anchors</b> (03 15)		
<b>03 15 19 00-0001</b>		<b>Cast In Place Anchors</b> (03 15 19) Note: For cast in place installations. Includes nut and washer.		
<b>03 15 19 00-0002</b>		<b>J-Type Anchor Bolts</b> (03 15 19 00-0001) See CSI section 03 11 13 00-0002 for template.		
<b>03 15 19 00-0003</b>		<b>1/2" And 5/8" Diameter</b> (03 15 19 00-0002)		
03 15 19 00-0004	EA	1/2" Diameter x 6" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	8.95	
		For Galvanized, Add	1.32	
		For Stainless Steel, Add	9.24	
		For >10 To 50, Deduct	-0.32	
		For >50 To 100, Deduct	-0.70	
		For >100, Deduct	-1.39	
03 15 19 00-0005	EA	1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	10.17	
		For Galvanized, Add	1.69	
		For Stainless Steel, Add	11.80	
		For >10 To 50, Deduct	-0.34	
		For >50 To 100, Deduct	-0.76	
		For >100, Deduct	-1.53	
03 15 19 00-0006	EA	1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	12.00	
		For Galvanized, Add	2.32	
		For Stainless Steel, Add	16.24	
		For >10 To 50, Deduct	-0.37	
		For >50 To 100, Deduct	-0.85	
		For >100, Deduct	-1.70	
03 15 19 00-0007	EA	5/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	13.42	
		For Galvanized, Add	3.03	
		For Stainless Steel, Add	21.21	
		For >10 To 50, Deduct	-0.37	
		For >50 To 100, Deduct	-0.89	
		For >100, Deduct	-1.78	
03 15 19 00-0008	EA	5/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	16.13	
		For Galvanized, Add	4.05	
		For Stainless Steel, Add	28.32	
		For >10 To 50, Deduct	-0.40	
		For >50 To 100, Deduct	-1.01	
		For >100, Deduct	-2.01	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	03 15 19 00-0009	EA		5/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt ..... 18.07		
				For Galvanized, Add	4.62	
				For Stainless Steel, Add	32.34	
				For >10 To 50, Deduct	-0.44	
				For >50 To 100, Deduct	-1.11	
				For >100, Deduct	-2.23	
	<b>03 15 19 00-0010</b>			<b>3/4" And 7/8" Diameter</b> (03 15 19 00-0002)		
	03 15 19 00-0011	EA		3/4" Diameter x 8" Length, Plain Steel, J-Type Cast In Place Anchor Bolt ..... 18.01		
				For Galvanized, Add	4.59	
				For Stainless Steel, Add	32.13	
				For >10 To 50, Deduct	-0.44	
				For >50 To 100, Deduct	-1.11	
				For >100, Deduct	-2.23	
	03 15 19 00-0012	EA		3/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt ..... 20.51		
				For Galvanized, Add	5.35	
				For Stainless Steel, Add	37.42	
				For >10 To 50, Deduct	-0.49	
				For >50 To 100, Deduct	-1.25	
				For >100, Deduct	-2.50	
	03 15 19 00-0013	EA		3/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt ..... 24.75		
				For Galvanized, Add	6.85	
				For Stainless Steel, Add	47.95	
				For >10 To 50, Deduct	-0.55	
				For >50 To 100, Deduct	-1.45	
				For >100, Deduct	-2.90	
	03 15 19 00-0014	EA		3/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt ..... 29.64		
				For Galvanized, Add	8.63	
				For Stainless Steel, Add	60.41	
				For >10 To 50, Deduct	-0.62	
				For >50 To 100, Deduct	-1.67	
				For >100, Deduct	-3.34	
	03 15 19 00-0015	EA		7/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt ..... 23.59		
				For Galvanized, Add	6.27	
				For Stainless Steel, Add	43.89	
				For >10 To 50, Deduct	-0.55	
				For >50 To 100, Deduct	-1.42	
				For >100, Deduct	-2.84	
	03 15 19 00-0016	EA		7/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt ..... 27.64		
				For Galvanized, Add	7.51	
				For Stainless Steel, Add	52.57	
				For >10 To 50, Deduct	-0.63	
				For >50 To 100, Deduct	-1.64	
				For >100, Deduct	-3.28	
	03 15 19 00-0017	EA		7/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt ..... 34.74		
				For Galvanized, Add	10.01	
				For Stainless Steel, Add	70.07	
				For >10 To 50, Deduct	-0.74	
				For >50 To 100, Deduct	-1.97	
				For >100, Deduct	-3.95	
	<b>03 15 19 00-0018</b>			<b>1" And 1-1/8" Diameter</b> (03 15 19 00-0002)		
	03 15 19 00-0019	EA		1" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt ..... 28.84		
				For Galvanized, Add	8.11	
				For Stainless Steel, Add	56.77	
				For >10 To 50, Deduct	-0.63	
				For >50 To 100, Deduct	-1.67	
				For >100, Deduct	-3.34	
	03 15 19 00-0020	EA		1" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt ..... 34.24		
				For Galvanized, Add	9.76	
				For Stainless Steel, Add	68.32	
				For >10 To 50, Deduct	-0.74	
				For >50 To 100, Deduct	-1.96	
				For >100, Deduct	-3.92	
	03 15 19 00-0021	EA		1" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt ..... 42.14		
				For Galvanized, Add	12.24	
				For Stainless Steel, Add	85.65	
				For >10 To 50, Deduct	-0.88	
				For >50 To 100, Deduct	-2.38	
				For >100, Deduct	-4.76	
	03 15 19 00-0022	EA		1" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt ..... 51.98		
				For Galvanized, Add	14.95	
				For Stainless Steel, Add	104.65	
				For >10 To 50, Deduct	-1.10	
				For >50 To 100, Deduct	-2.96	
				For >100, Deduct	-5.91	
	03 15 19 00-0023	EA		1-1/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt ..... 34.14		
				For Galvanized, Add	10.14	
				For Stainless Steel, Add	70.98	
				For >10 To 50, Deduct	-0.69	
				For >50 To 100, Deduct	-1.89	
				For >100, Deduct	-3.79	
	03 15 19 00-0024	EA		1-1/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt ..... 40.57		
				For Galvanized, Add	12.21	
				For Stainless Steel, Add	85.44	
				For >10 To 50, Deduct	-0.81	
				For >50 To 100, Deduct	-2.23	
				For >100, Deduct	-4.45	

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

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
03 15 19 00-0025	EA 1-1/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	49.99	
	For Galvanized, Add	15.30	
	For Stainless Steel, Add	107.10	
	For >10 To 50, Deduct	-0.97	
	For >50 To 100, Deduct	-2.70	
	For >100, Deduct	-5.41	
03 15 19 00-0026	EA 1-1/8" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	61.63	
	For Galvanized, Add	18.69	
	For Stainless Steel, Add	130.83	
	For >10 To 50, Deduct	-1.21	
	For >50 To 100, Deduct	-3.36	
	For >100, Deduct	-6.72	
<b>03 15 19 00-0027</b>	<b>1-1/4" And 1-1/2" Diameter</b> <small>(03 15 19 00-0002)</small>		
03 15 19 00-0028	EA 1-1/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	40.70	
	For Galvanized, Add	12.68	
	For Stainless Steel, Add	88.73	
	For >10 To 50, Deduct	-0.77	
	For >50 To 100, Deduct	-2.17	
	For >100, Deduct	-4.34	
03 15 19 00-0029	EA 1-1/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	48.40	
	For Galvanized, Add	15.26	
	For Stainless Steel, Add	106.79	
	For >10 To 50, Deduct	-0.89	
	For >50 To 100, Deduct	-2.55	
	For >100, Deduct	-5.10	
03 15 19 00-0030	EA 1-1/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	59.74	
	For Galvanized, Add	19.13	
	For Stainless Steel, Add	133.88	
	For >10 To 50, Deduct	-1.07	
	For >50 To 100, Deduct	-3.11	
	For >100, Deduct	-6.21	
03 15 19 00-0031	EA 1-1/4" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	73.57	
	For Galvanized, Add	23.36	
	For Stainless Steel, Add	163.52	
	For >10 To 50, Deduct	-1.34	
	For >50 To 100, Deduct	-3.85	
	For >100, Deduct	-7.71	
03 15 19 00-0032	EA 1-1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	48.90	
	For Galvanized, Add	15.85	
	For Stainless Steel, Add	110.92	
	For >10 To 50, Deduct	-0.86	
	For >50 To 100, Deduct	-2.51	
	For >100, Deduct	-5.03	
03 15 19 00-0033	EA 1-1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	58.22	
	For Galvanized, Add	19.07	
	For Stainless Steel, Add	133.49	
	For >10 To 50, Deduct	-1.00	
	For >50 To 100, Deduct	-2.96	
	For >100, Deduct	-5.92	
03 15 19 00-0034	EA 1-1/2" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	71.93	
	For Galvanized, Add	23.92	
	For Stainless Steel, Add	167.41	
	For >10 To 50, Deduct	-1.21	
	For >50 To 100, Deduct	-3.61	
	For >100, Deduct	-7.21	
03 15 19 00-0035	EA 1-1/2" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	88.51	
	For Galvanized, Add	29.20	
	For Stainless Steel, Add	204.40	
	For >10 To 50, Deduct	-1.51	
	For >50 To 100, Deduct	-4.47	
	For >100, Deduct	-8.94	
<b>03 15 19 00-0036</b>	<b>L-Type Anchor Bolts</b> <small>(03 15 19 00-0001)</small>		
	See CSI section 03 11 13 00-0002 for template.		
<b>03 15 19 00-0037</b>	<b>3/4" And 7/8" Diameter</b> <small>(03 15 19 00-0008)</small>		
03 15 19 00-0038	EA 3/4" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	16.83	
	For Galvanized, Add	3.51	
	For Stainless Steel, Add	24.54	
	For >10 To 50, Deduct	-0.49	
	For >50 To 100, Deduct	-1.16	
	For >100, Deduct	-2.31	
03 15 19 00-0039	EA 3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	19.71	
	For Galvanized, Add	4.33	
	For Stainless Steel, Add	30.31	
	For >10 To 50, Deduct	-0.55	
	For >50 To 100, Deduct	-1.32	
	For >100, Deduct	-2.64	
03 15 19 00-0040	EA 3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	22.55	
	For Galvanized, Add	4.97	
	For Stainless Steel, Add	34.76	
	For >10 To 50, Deduct	-0.63	
	For >50 To 100, Deduct	-1.51	
	For >100, Deduct	-3.02	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
			UNIT COST	UNIT COST

03 15 19 00-0041	EA	3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	25.03	
		<i>For Galvanized, Add</i>	5.16	
		<i>For Stainless Steel, Add</i>	36.09	
		<i>For &gt;10 To 50, Deduct</i>	-0.74	
		<i>For &gt;50 To 100, Deduct</i>	-1.73	
		<i>For &gt;100, Deduct</i>	-3.46	
03 15 19 00-0042	EA	3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	28.50	
		<i>For Galvanized, Add</i>	5.42	
		<i>For Stainless Steel, Add</i>	37.91	
		<i>For &gt;10 To 50, Deduct</i>	-0.88	
		<i>For &gt;50 To 100, Deduct</i>	-2.04	
		<i>For &gt;100, Deduct</i>	-4.08	
03 15 19 00-0043	EA	7/8" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	19.75	
		<i>For Galvanized, Add</i>	4.35	
		<i>For Stainless Steel, Add</i>	30.45	
		<i>For &gt;10 To 50, Deduct</i>	-0.55	
		<i>For &gt;50 To 100, Deduct</i>	-1.32	
		<i>For &gt;100, Deduct</i>	-2.65	
03 15 19 00-0044	EA	7/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	22.75	
		<i>For Galvanized, Add</i>	5.07	
		<i>For Stainless Steel, Add</i>	35.46	
		<i>For &gt;10 To 50, Deduct</i>	-0.63	
		<i>For &gt;50 To 100, Deduct</i>	-1.52	
		<i>For &gt;100, Deduct</i>	-3.03	
03 15 19 00-0045	EA	7/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	26.34	
		<i>For Galvanized, Add</i>	5.81	
		<i>For Stainless Steel, Add</i>	40.67	
		<i>For &gt;10 To 50, Deduct</i>	-0.74	
		<i>For &gt;50 To 100, Deduct</i>	-1.76	
		<i>For &gt;100, Deduct</i>	-3.53	
03 15 19 00-0046	EA	7/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	29.73	
		<i>For Galvanized, Add</i>	6.03	
		<i>For Stainless Steel, Add</i>	42.21	
		<i>For &gt;10 To 50, Deduct</i>	-0.88	
		<i>For &gt;50 To 100, Deduct</i>	-2.07	
		<i>For &gt;100, Deduct</i>	-4.14	
03 15 19 00-0047	EA	7/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	34.75	
		<i>For Galvanized, Add</i>	6.34	
		<i>For Stainless Steel, Add</i>	44.35	
		<i>For &gt;10 To 50, Deduct</i>	-1.10	
		<i>For &gt;50 To 100, Deduct</i>	-2.52	
		<i>For &gt;100, Deduct</i>	-5.05	

**03 15 19 00-0048 1" And 1-1/8" Diameter** (03 15 19 00-0036)

03 15 19 00-0049	EA	1" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	23.78	
		<i>For Galvanized, Add</i>	5.58	
		<i>For Stainless Steel, Add</i>	39.06	
		<i>For &gt;10 To 50, Deduct</i>	-0.63	
		<i>For &gt;50 To 100, Deduct</i>	-1.54	
		<i>For &gt;100, Deduct</i>	-3.08	
03 15 19 00-0050	EA	1" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	27.26	
		<i>For Galvanized, Add</i>	6.27	
		<i>For Stainless Steel, Add</i>	43.89	
		<i>For &gt;10 To 50, Deduct</i>	-0.74	
		<i>For &gt;50 To 100, Deduct</i>	-1.79	
		<i>For &gt;100, Deduct</i>	-3.57	
03 15 19 00-0051	EA	1" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	31.70	
		<i>For Galvanized, Add</i>	7.02	
		<i>For Stainless Steel, Add</i>	49.11	
		<i>For &gt;10 To 50, Deduct</i>	-0.88	
		<i>For &gt;50 To 100, Deduct</i>	-2.12	
		<i>For &gt;100, Deduct</i>	-4.24	
03 15 19 00-0052	EA	1" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	33.89	
		<i>For Galvanized, Add</i>	7.35	
		<i>For Stainless Steel, Add</i>	51.42	
		<i>For &gt;10 To 50, Deduct</i>	-0.96	
		<i>For &gt;50 To 100, Deduct</i>	-2.29	
		<i>For &gt;100, Deduct</i>	-4.57	
03 15 19 00-0053	EA	1" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	37.46	
		<i>For Galvanized, Add</i>	7.69	
		<i>For Stainless Steel, Add</i>	53.83	
		<i>For &gt;10 To 50, Deduct</i>	-1.10	
		<i>For &gt;50 To 100, Deduct</i>	-2.59	
		<i>For &gt;100, Deduct</i>	-5.19	
03 15 19 00-0054	EA	1" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	42.36	
		<i>For Galvanized, Add</i>	8.91	
		<i>For Stainless Steel, Add</i>	62.37	
		<i>For &gt;10 To 50, Deduct</i>	-1.23	
		<i>For &gt;50 To 100, Deduct</i>	-2.90	
		<i>For &gt;100, Deduct</i>	-5.80	
03 15 19 00-0055	EA	1" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	50.30	
		<i>For Galvanized, Add</i>	10.43	
		<i>For Stainless Steel, Add</i>	73.01	
		<i>For &gt;10 To 50, Deduct</i>	-1.47	
		<i>For &gt;50 To 100, Deduct</i>	-3.47	
		<i>For &gt;100, Deduct</i>	-6.93	

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

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
03 15 19 00-0056	EA 1-1/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	29.39	
	For Galvanized, Add	7.34	
	For Stainless Steel, Add	51.35	
	For >10 To 50, Deduct	-0.74	
	For >50 To 100, Deduct	-1.84	
	For >100, Deduct	-3.68	
03 15 19 00-0057	EA 1-1/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	34.09	
	For Galvanized, Add	8.21	
	For Stainless Steel, Add	57.47	
	For >10 To 50, Deduct	-0.88	
	For >50 To 100, Deduct	-2.18	
	For >100, Deduct	-4.36	
03 15 19 00-0058	EA 1-1/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	36.38	
	For Galvanized, Add	8.59	
	For Stainless Steel, Add	60.13	
	For >10 To 50, Deduct	-0.96	
	For >50 To 100, Deduct	-2.35	
	For >100, Deduct	-4.70	
<b>03 15 19 00-0059</b>	<b>1-1/4" And 1-3/8" Diameter</b> <small>(03 15 19 00-0036)</small>		
03 15 19 00-0060	EA 1-1/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	35.41	
	For Galvanized, Add	8.87	
	For Stainless Steel, Add	62.09	
	For >10 To 50, Deduct	-0.88	
	For >50 To 100, Deduct	-2.21	
	For >100, Deduct	-4.42	
03 15 19 00-0061	EA 1-1/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	42.84	
	For Galvanized, Add	10.38	
	For Stainless Steel, Add	72.66	
	For >10 To 50, Deduct	-1.10	
	For >50 To 100, Deduct	-2.73	
	For >100, Deduct	-5.45	
03 15 19 00-0062	EA 1-1/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	46.77	
	For Galvanized, Add	11.76	
	For Stainless Steel, Add	82.32	
	For >10 To 50, Deduct	-1.16	
	For >50 To 100, Deduct	-2.91	
	For >100, Deduct	-5.83	
03 15 19 00-0063	EA 1-1/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	51.09	
	For Galvanized, Add	13.28	
	For Stainless Steel, Add	92.93	
	For >10 To 50, Deduct	-1.23	
	For >50 To 100, Deduct	-3.12	
	For >100, Deduct	-6.24	
03 15 19 00-0064	EA 1-1/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	56.48	
	For Galvanized, Add	14.44	
	For Stainless Steel, Add	101.08	
	For >10 To 50, Deduct	-1.38	
	For >50 To 100, Deduct	-3.48	
	For >100, Deduct	-6.96	
03 15 19 00-0065	EA 1-1/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	62.48	
	For Galvanized, Add	15.47	
	For Stainless Steel, Add	108.26	
	For >10 To 50, Deduct	-1.58	
	For >50 To 100, Deduct	-3.93	
	For >100, Deduct	-7.86	
03 15 19 00-0066	EA 1-1/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	69.90	
	For Galvanized, Add	16.55	
	For Stainless Steel, Add	115.85	
	For >10 To 50, Deduct	-1.84	
	For >50 To 100, Deduct	-4.51	
	For >100, Deduct	-9.02	
03 15 19 00-0067	EA 1-1/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	80.77	
	For Galvanized, Add	18.30	
	For Stainless Steel, Add	128.10	
	For >10 To 50, Deduct	-2.21	
	For >50 To 100, Deduct	-5.33	
	For >100, Deduct	-10.66	
03 15 19 00-0068	EA 1-3/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	39.85	
	For Galvanized, Add	11.09	
	For Stainless Steel, Add	77.63	
	For >10 To 50, Deduct	-0.88	
	For >50 To 100, Deduct	-2.32	
	For >100, Deduct	-4.64	
03 15 19 00-0069	EA 1-3/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	48.04	
	For Galvanized, Add	12.98	
	For Stainless Steel, Add	90.86	
	For >10 To 50, Deduct	-1.10	
	For >50 To 100, Deduct	-2.86	
	For >100, Deduct	-5.71	
03 15 19 00-0070	EA 1-3/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	52.64	
	For Galvanized, Add	14.70	
	For Stainless Steel, Add	102.87	
	For >10 To 50, Deduct	-1.16	
	For >50 To 100, Deduct	-3.06	
	For >100, Deduct	-6.12	

	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 15 19 00-0071	EA 1-3/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	57.73	
	For Galvanized, Add	16.60	
	For Stainless Steel, Add	116.17	
	For >10 To 50, Deduct	-1.23	
	For >50 To 100, Deduct	-3.28	
	For >100, Deduct	-6.57	
03 15 19 00-0072	EA 1-3/8" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	63.71	
	For Galvanized, Add	18.06	
	For Stainless Steel, Add	126.39	
	For >10 To 50, Deduct	-1.38	
	For >50 To 100, Deduct	-3.66	
	For >100, Deduct	-7.33	
03 15 19 00-0073	EA 1-3/8" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	70.22	
	For Galvanized, Add	19.34	
	For Stainless Steel, Add	135.35	
	For >10 To 50, Deduct	-1.58	
	For >50 To 100, Deduct	-4.12	
	For >100, Deduct	-8.24	
03 15 19 00-0074	EA 1-3/8" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	78.52	
	For Galvanized, Add	20.86	
	For Stainless Steel, Add	146.02	
	For >10 To 50, Deduct	-1.84	
	For >50 To 100, Deduct	-4.72	
	For >100, Deduct	-9.45	
03 15 19 00-0075	EA 1-3/8" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	89.93	
	For Galvanized, Add	22.88	
	For Stainless Steel, Add	160.16	
	For >10 To 50, Deduct	-2.21	
	For >50 To 100, Deduct	-5.56	
	For >100, Deduct	-11.12	
<b>03 15 19 00-0076</b>	<b>1-1/2", 1-3/4", And 2" Diameter (03 15 19 00-0036)</b>		
03 15 19 00-0077	EA 1-1/2" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	50.83	
	For Galvanized, Add	15.38	
	For Stainless Steel, Add	107.63	
	For >10 To 50, Deduct	-1.00	
	For >50 To 100, Deduct	-2.78	
	For >100, Deduct	-5.55	
03 15 19 00-0078	EA 1-1/2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	55.50	
	For Galvanized, Add	16.13	
	For Stainless Steel, Add	112.88	
	For >10 To 50, Deduct	-1.16	
	For >50 To 100, Deduct	-3.13	
	For >100, Deduct	-6.26	
03 15 19 00-0079	EA 1-1/2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	61.46	
	For Galvanized, Add	17.74	
	For Stainless Steel, Add	124.18	
	For >10 To 50, Deduct	-1.30	
	For >50 To 100, Deduct	-3.49	
	For >100, Deduct	-6.97	
03 15 19 00-0080	EA 1-1/2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	66.37	
	For Galvanized, Add	19.39	
	For Stainless Steel, Add	135.70	
	For >10 To 50, Deduct	-1.38	
	For >50 To 100, Deduct	-3.73	
	For >100, Deduct	-7.46	
03 15 19 00-0081	EA 1-1/2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	71.49	
	For Galvanized, Add	21.03	
	For Stainless Steel, Add	147.18	
	For >10 To 50, Deduct	-1.47	
	For >50 To 100, Deduct	-4.00	
	For >100, Deduct	-7.99	
03 15 19 00-0082	EA 1-1/2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	79.20	
	For Galvanized, Add	22.61	
	For Stainless Steel, Add	158.27	
	For >10 To 50, Deduct	-1.70	
	For >50 To 100, Deduct	-4.53	
	For >100, Deduct	-9.06	
03 15 19 00-0083	EA 1-1/2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	89.07	
	For Galvanized, Add	24.46	
	For Stainless Steel, Add	171.19	
	For >10 To 50, Deduct	-2.01	
	For >50 To 100, Deduct	-5.24	
	For >100, Deduct	-10.48	
03 15 19 00-0084	EA 1-1/2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	103.33	
	For Galvanized, Add	27.13	
	For Stainless Steel, Add	189.88	
	For >10 To 50, Deduct	-2.45	
	For >50 To 100, Deduct	-6.26	
	For >100, Deduct	-12.53	
03 15 19 00-0085	EA 1-3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	68.34	
	For Galvanized, Add	23.13	
	For Stainless Steel, Add	161.91	
	For >10 To 50, Deduct	-1.10	
	For >50 To 100, Deduct	-3.36	
	For >100, Deduct	-6.73	

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

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
03 15 19 00-0086	EA 1-3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	71.80	
	For Galvanized, Add	23.63	
	For Stainless Steel, Add	165.41	
	For >10 To 50, Deduct	-1.23	
	For >50 To 100, Deduct	-3.64	
	For >100, Deduct	-7.27	
03 15 19 00-0087	EA 1-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	74.00	
	For Galvanized, Add	24.01	
	For Stainless Steel, Add	168.07	
	For >10 To 50, Deduct	-1.30	
	For >50 To 100, Deduct	-3.80	
	For >100, Deduct	-7.60	
03 15 19 00-0088	EA 1-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	83.07	
	For Galvanized, Add	27.74	
	For Stainless Steel, Add	194.15	
	For >10 To 50, Deduct	-1.38	
	For >50 To 100, Deduct	-4.15	
	For >100, Deduct	-8.29	
03 15 19 00-0089	EA 1-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	95.58	
	For Galvanized, Add	32.02	
	For Stainless Steel, Add	224.11	
	For >10 To 50, Deduct	-1.58	
	For >50 To 100, Deduct	-4.76	
	For >100, Deduct	-9.51	
03 15 19 00-0090	EA 1-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	101.67	
	For Galvanized, Add	32.44	
	For Stainless Steel, Add	227.05	
	For >10 To 50, Deduct	-1.84	
	For >50 To 100, Deduct	-5.30	
	For >100, Deduct	-10.60	
03 15 19 00-0091	EA 1-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	114.23	
	For Galvanized, Add	35.03	
	For Stainless Steel, Add	245.21	
	For >10 To 50, Deduct	-2.21	
	For >50 To 100, Deduct	-6.17	
	For >100, Deduct	-12.34	
03 15 19 00-0092	EA 1-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	130.66	
	For Galvanized, Add	37.73	
	For Stainless Steel, Add	264.08	
	For >10 To 50, Deduct	-2.76	
	For >50 To 100, Deduct	-7.41	
	For >100, Deduct	-14.81	
03 15 19 00-0093	EA 2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	96.40	
	For Galvanized, Add	35.21	
	For Stainless Steel, Add	246.47	
	For >10 To 50, Deduct	-1.30	
	For >50 To 100, Deduct	-4.36	
	For >100, Deduct	-8.72	
03 15 19 00-0094	EA 2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	105.57	
	For Galvanized, Add	38.07	
	For Stainless Steel, Add	266.46	
	For >10 To 50, Deduct	-1.47	
	For >50 To 100, Deduct	-4.85	
	For >100, Deduct	-9.69	
03 15 19 00-0095	EA 2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	116.96	
	For Galvanized, Add	41.49	
	For Stainless Steel, Add	290.43	
	For >10 To 50, Deduct	-1.70	
	For >50 To 100, Deduct	-5.47	
	For >100, Deduct	-10.95	
03 15 19 00-0096	EA 2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	128.04	
	For Galvanized, Add	43.94	
	For Stainless Steel, Add	307.58	
	For >10 To 50, Deduct	-2.01	
	For >50 To 100, Deduct	-6.21	
	For >100, Deduct	-12.43	
03 15 19 00-0097	EA 2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	138.60	
	For Galvanized, Add	47.22	
	For Stainless Steel, Add	330.51	
	For >10 To 50, Deduct	-2.21	
	For >50 To 100, Deduct	-6.78	
	For >100, Deduct	-13.56	
03 15 19 00-0098	EA 2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	149.91	
	For Galvanized, Add	50.42	
	For Stainless Steel, Add	352.91	
	For >10 To 50, Deduct	-2.45	
	For >50 To 100, Deduct	-7.43	
	For >100, Deduct	-14.86	
03 15 19 00-0099	EA 2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	171.39	
	For Galvanized, Add	54.15	
	For Stainless Steel, Add	379.02	
	For >10 To 50, Deduct	-3.16	
	For >50 To 100, Deduct	-9.02	
	For >100, Deduct	-18.03	
03 15 19 00-0100	EA 2" Diameter x 66" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	182.15	
	For Galvanized, Add	59.53	
	For Stainless Steel, Add	416.68	
	For >10 To 50, Deduct	-3.16	
	For >50 To 100, Deduct	-9.29	
	For >100, Deduct	-18.57	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
			UNIT COST	UNIT COST

03 15 19 00-0101	EA 2" Diameter x 72" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	205.96		
	For Galvanized, Add	66.17		
	For Stainless Steel, Add	463.19		
	For >10 To 50, Deduct	-3.68		
	For >50 To 100, Deduct	-10.67		
	For >100, Deduct	-21.34		

**03 15 19 00-0102 2-1/2" And 2-3/4" Diameter (03 15 19 00-0036)**

03 15 19 00-0103	EA 2-1/2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	182.43		
	For Galvanized, Add	78.23		
	For Stainless Steel, Add	547.58		
	For >10 To 50, Deduct	-1.30		
	For >50 To 100, Deduct	-6.51		
	For >100, Deduct	-13.02		
03 15 19 00-0104	EA 2-1/2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	192.97		
	For Galvanized, Add	81.77		
	For Stainless Steel, Add	572.36		
	For >10 To 50, Deduct	-1.47		
	For >50 To 100, Deduct	-7.03		
	For >100, Deduct	-14.06		
03 15 19 00-0105	EA 2-1/2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	211.32		
	For Galvanized, Add	88.67		
	For Stainless Steel, Add	620.69		
	For >10 To 50, Deduct	-1.70		
	For >50 To 100, Deduct	-7.83		
	For >100, Deduct	-15.66		
03 15 19 00-0106	EA 2-1/2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	227.06		
	For Galvanized, Add	93.45		
	For Stainless Steel, Add	654.15		
	For >10 To 50, Deduct	-2.01		
	For >50 To 100, Deduct	-8.69		
	For >100, Deduct	-17.38		
03 15 19 00-0107	EA 2-1/2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	241.08		
	For Galvanized, Add	98.46		
	For Stainless Steel, Add	689.19		
	For >10 To 50, Deduct	-2.21		
	For >50 To 100, Deduct	-9.34		
	For >100, Deduct	-18.68		
03 15 19 00-0108	EA 2-1/2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	257.22		
	For Galvanized, Add	104.07		
	For Stainless Steel, Add	728.49		
	For >10 To 50, Deduct	-2.45		
	For >50 To 100, Deduct	-10.11		
	For >100, Deduct	-20.22		
03 15 19 00-0109	EA 2-1/2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	282.72		
	For Galvanized, Add	109.81		
	For Stainless Steel, Add	768.67		
	For >10 To 50, Deduct	-3.16		
	For >50 To 100, Deduct	-11.80		
	For >100, Deduct	-23.60		
03 15 19 00-0110	EA 2-3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	204.71		
	For Galvanized, Add	88.56		
	For Stainless Steel, Add	619.89		
	For >10 To 50, Deduct	-1.38		
	For >50 To 100, Deduct	-7.19		
	For >100, Deduct	-14.38		
03 15 19 00-0111	EA 2-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	221.00		
	For Galvanized, Add	94.73		
	For Stainless Steel, Add	663.08		
	For >10 To 50, Deduct	-1.58		
	For >50 To 100, Deduct	-7.89		
	For >100, Deduct	-15.78		
03 15 19 00-0112	EA 2-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	238.71		
	For Galvanized, Add	100.96		
	For Stainless Steel, Add	706.69		
	For >10 To 50, Deduct	-1.84		
	For >50 To 100, Deduct	-8.73		
	For >100, Deduct	-17.46		
03 15 19 00-0113	EA 2-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	257.31		
	For Galvanized, Add	106.57		
	For Stainless Steel, Add	745.99		
	For >10 To 50, Deduct	-2.21		
	For >50 To 100, Deduct	-9.75		
	For >100, Deduct	-19.49		
03 15 19 00-0114	EA 2-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	274.48		
	For Galvanized, Add	112.70		
	For Stainless Steel, Add	788.90		
	For >10 To 50, Deduct	-2.45		
	For >50 To 100, Deduct	-10.54		
	For >100, Deduct	-21.09		
03 15 19 00-0115	EA 2-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	298.02		
	For Galvanized, Add	121.41		
	For Stainless Steel, Add	849.84		
	For >10 To 50, Deduct	-2.76		
	For >50 To 100, Deduct	-11.59		
	For >100, Deduct	-23.18		

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

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 15 19 00-0116	EA	2-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	329.78
		<i>For Galvanized, Add</i>	128.08
		<i>For Stainless Steel, Add</i>	896.56
		<i>For &gt;10 To 50, Deduct</i>	-3.68
		<i>For &gt;50 To 100, Deduct</i>	-13.77
		<i>For &gt;100, Deduct</i>	-27.53

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

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

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

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

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

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

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

03 21 11 00-0002	LF	#3, Grade 40, Beams And Girders, Steel Reinforcement Bar	0.63
03 21 11 00-0003	LF	#4, Grade 40, Beams And Girders, Steel Reinforcement Bar	1.04
03 21 11 00-0004	LF	#5, Grade 40, Beams And Girders, Steel Reinforcement Bar	1.56
03 21 11 00-0005	LF	#6, Grade 40, Beams And Girders, Steel Reinforcement Bar	2.15
03 21 11 00-0006	LF	#3, Grade 50, Beams And Girders, Steel Reinforcement Bar	0.64
03 21 11 00-0007	LF	#4, Grade 50, Beams And Girders, Steel Reinforcement Bar	1.06
03 21 11 00-0008	LF	#5, Grade 50, Beams And Girders, Steel Reinforcement Bar	1.59
03 21 11 00-0009	LF	#6, Grade 50, Beams And Girders, Steel Reinforcement Bar	2.20
03 21 11 00-0010	LF	#3, Grade 60, Beams And Girders, Steel Reinforcement Bar	0.66
03 21 11 00-0011	LF	#4, Grade 60, Beams And Girders, Steel Reinforcement Bar	1.09
03 21 11 00-0012	LF	#5, Grade 60, Beams And Girders, Steel Reinforcement Bar	1.64
03 21 11 00-0013	LF	#6, Grade 60, Beams And Girders, Steel Reinforcement Bar	2.27
03 21 11 00-0014	LF	#7, Grade 60, Beams And Girders, Steel Reinforcement Bar	2.92
03 21 11 00-0015	LF	#8, Grade 60, Beams And Girders, Steel Reinforcement Bar	3.63
03 21 11 00-0016	LF	#9, Grade 60, Beams And Girders, Steel Reinforcement Bar	4.43
03 21 11 00-0017	LF	#10, Grade 60, Beams And Girders, Steel Reinforcement Bar	5.40
03 21 11 00-0018	LF	#11, Grade 60, Beams And Girders, Steel Reinforcement Bar	6.41
03 21 11 00-0019	LF	#14, Grade 60, Beams And Girders, Steel Reinforcement Bar	8.85
03 21 11 00-0020	LF	#18, Grade 60, Beams And Girders, Steel Reinforcement Bar	15.05
03 21 11 00-0021	LF	#6, Grade 75, Beams And Girders, Steel Reinforcement Bar	2.34
03 21 11 00-0022	LF	#7, Grade 75, Beams And Girders, Steel Reinforcement Bar	3.02
03 21 11 00-0023	LF	#8, Grade 75, Beams And Girders, Steel Reinforcement Bar	3.75
03 21 11 00-0024	LF	#9, Grade 75, Beams And Girders, Steel Reinforcement Bar	4.59
03 21 11 00-0025	LF	#10, Grade 75, Beams And Girders, Steel Reinforcement Bar	5.61
03 21 11 00-0026	LF	#11, Grade 75, Beams And Girders, Steel Reinforcement Bar	6.66
03 21 11 00-0027	LF	#14, Grade 75, Beams And Girders, Steel Reinforcement Bar	9.21
03 21 11 00-0028	LF	#18, Grade 75, Beams And Girders, Steel Reinforcement Bar	15.70
03 21 11 00-0029	LF	#3, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	0.67
03 21 11 00-0030	LF	#4, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	1.12
03 21 11 00-0031	LF	#5, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	1.68
03 21 11 00-0032	LF	#6, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	2.32
03 21 11 00-0033	LF	#7, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	2.99
03 21 11 00-0034	LF	#8, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	3.72
03 21 11 00-0035	LF	#9, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	4.55
03 21 11 00-0036	LF	#10, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	5.56
03 21 11 00-0037	LF	#11, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	6.60
03 21 11 00-0038	LF	#14, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	9.12
03 21 11 00-0039	LF	#18, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	15.54

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

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

03 21 11 00-0041	LF	#3, Grade 40, Columns, Steel Reinforcement Bar	0.65
03 21 11 00-0042	LF	#4, Grade 40, Columns, Steel Reinforcement Bar	1.11
03 21 11 00-0043	LF	#5, Grade 40, Columns, Steel Reinforcement Bar	1.65
03 21 11 00-0044	LF	#6, Grade 40, Columns, Steel Reinforcement Bar	2.26
03 21 11 00-0045	LF	#3, Grade 50, Columns, Steel Reinforcement Bar	0.66
03 21 11 00-0046	LF	#4, Grade 50, Columns, Steel Reinforcement Bar	1.13
03 21 11 00-0047	LF	#5, Grade 50, Columns, Steel Reinforcement Bar	1.68
03 21 11 00-0048	LF	#6, Grade 50, Columns, Steel Reinforcement Bar	2.31
03 21 11 00-0049	LF	#3, Grade 60, Columns, Steel Reinforcement Bar	0.68
03 21 11 00-0050	LF	#4, Grade 60, Columns, Steel Reinforcement Bar	1.16
03 21 11 00-0051	LF	#5, Grade 60, Columns, Steel Reinforcement Bar	1.73
03 21 11 00-0052	LF	#6, Grade 60, Columns, Steel Reinforcement Bar	2.38
03 21 11 00-0053	LF	#7, Grade 60, Columns, Steel Reinforcement Bar	3.07
03 21 11 00-0054	LF	#8, Grade 60, Columns, Steel Reinforcement Bar	3.80
03 21 11 00-0055	LF	#9, Grade 60, Columns, Steel Reinforcement Bar	4.63
03 21 11 00-0056	LF	#10, Grade 60, Columns, Steel Reinforcement Bar	5.63
03 21 11 00-0057	LF	#11, Grade 60, Columns, Steel Reinforcement Bar	6.66
03 21 11 00-0058	LF	#14, Grade 60, Columns, Steel Reinforcement Bar	9.19
03 21 11 00-0059	LF	#18, Grade 60, Columns, Steel Reinforcement Bar	15.59
03 21 11 00-0060	LF	#6, Grade 75, Columns, Steel Reinforcement Bar	2.45
03 21 11 00-0061	LF	#7, Grade 75, Columns, Steel Reinforcement Bar	3.17
03 21 11 00-0062	LF	#8, Grade 75, Columns, Steel Reinforcement Bar	3.92
03 21 11 00-0063	LF	#9, Grade 75, Columns, Steel Reinforcement Bar	4.79
03 21 11 00-0064	LF	#10, Grade 75, Columns, Steel Reinforcement Bar	5.84



	MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 21 11 00-0065	LF	#11, Grade 75, Columns, Steel Reinforcement Bar.....	6.91	
03 21 11 00-0066	LF	#14, Grade 75, Columns, Steel Reinforcement Bar.....	9.55	
03 21 11 00-0067	LF	#18, Grade 75, Columns, Steel Reinforcement Bar.....	16.24	
03 21 11 00-0068	LF	#3, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	0.69	
03 21 11 00-0069	LF	#4, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	1.19	
03 21 11 00-0070	LF	#5, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	1.77	
03 21 11 00-0071	LF	#6, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	2.43	
03 21 11 00-0072	LF	#7, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	3.14	
03 21 11 00-0073	LF	#8, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	3.89	
03 21 11 00-0074	LF	#9, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	4.75	
03 21 11 00-0075	LF	#10, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	5.79	
03 21 11 00-0076	LF	#11, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	6.85	
03 21 11 00-0077	LF	#14, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	9.46	
03 21 11 00-0078	LF	#18, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	16.08	

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

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

03 21 11 00-0080	LF	#3, Grade 40, Footings, Steel Reinforcement Bar.....	0.57	
03 21 11 00-0081	LF	#4, Grade 40, Footings, Steel Reinforcement Bar.....	0.95	
03 21 11 00-0082	LF	#5, Grade 40, Footings, Steel Reinforcement Bar.....	1.43	
03 21 11 00-0083	LF	#6, Grade 40, Footings, Steel Reinforcement Bar.....	1.97	
03 21 11 00-0084	LF	#3, Grade 50, Footings, Steel Reinforcement Bar.....	0.58	
03 21 11 00-0085	LF	#4, Grade 50, Footings, Steel Reinforcement Bar.....	0.97	
03 21 11 00-0086	LF	#5, Grade 50, Footings, Steel Reinforcement Bar.....	1.46	
03 21 11 00-0087	LF	#6, Grade 50, Footings, Steel Reinforcement Bar.....	2.02	
03 21 11 00-0088	LF	#3, Grade 60, Footings, Steel Reinforcement Bar.....	0.60	
03 21 11 00-0089	LF	#4, Grade 60, Footings, Steel Reinforcement Bar.....	1.00	
03 21 11 00-0090	LF	#5, Grade 60, Footings, Steel Reinforcement Bar.....	1.51	
03 21 11 00-0091	LF	#6, Grade 60, Footings, Steel Reinforcement Bar.....	2.09	
03 21 11 00-0092	LF	#7, Grade 60, Footings, Steel Reinforcement Bar.....	2.70	
03 21 11 00-0093	LF	#8, Grade 60, Footings, Steel Reinforcement Bar.....	3.37	
03 21 11 00-0094	LF	#9, Grade 60, Footings, Steel Reinforcement Bar.....	4.13	
03 21 11 00-0095	LF	#10, Grade 60, Footings, Steel Reinforcement Bar.....	5.05	
03 21 11 00-0096	LF	#11, Grade 60, Footings, Steel Reinforcement Bar.....	6.01	
03 21 11 00-0097	LF	#14, Grade 60, Footings, Steel Reinforcement Bar.....	8.33	
03 21 11 00-0098	LF	#18, Grade 60, Footings, Steel Reinforcement Bar.....	14.23	
03 21 11 00-0099	LF	#6, Grade 75, Footings, Steel Reinforcement Bar.....	2.16	
03 21 11 00-0100	LF	#7, Grade 75, Footings, Steel Reinforcement Bar.....	2.80	
03 21 11 00-0101	LF	#8, Grade 75, Footings, Steel Reinforcement Bar.....	3.49	
03 21 11 00-0102	LF	#9, Grade 75, Footings, Steel Reinforcement Bar.....	4.29	
03 21 11 00-0103	LF	#10, Grade 75, Footings, Steel Reinforcement Bar.....	5.26	
03 21 11 00-0104	LF	#11, Grade 75, Footings, Steel Reinforcement Bar.....	6.26	
03 21 11 00-0105	LF	#14, Grade 75, Footings, Steel Reinforcement Bar.....	8.69	
03 21 11 00-0106	LF	#18, Grade 75, Footings, Steel Reinforcement Bar.....	14.88	
03 21 11 00-0107	LF	#3, Grade 60, Footings, Low Alloy Steel Reinforcement Bar.....	0.61	
03 21 11 00-0108	LF	#4, Grade 60, Footings, Low Alloy Steel Reinforcement Bar.....	1.03	
03 21 11 00-0109	LF	#5, Grade 60, Footings, Low Alloy Steel Reinforcement Bar.....	1.55	
03 21 11 00-0110	LF	#6, Grade 60, Footings, Low Alloy Steel Reinforcement Bar.....	2.14	
03 21 11 00-0111	LF	#7, Grade 60, Footings, Low Alloy Steel Reinforcement Bar.....	2.77	
03 21 11 00-0112	LF	#8, Grade 60, Footings, Low Alloy Steel Reinforcement Bar.....	3.46	
03 21 11 00-0113	LF	#9, Grade 60, Footings, Low Alloy Steel Reinforcement Bar.....	4.25	
03 21 11 00-0114	LF	#10, Grade 60, Footings, Low Alloy Steel Reinforcement Bar.....	5.21	
03 21 11 00-0115	LF	#11, Grade 60, Footings, Low Alloy Steel Reinforcement Bar.....	6.20	
03 21 11 00-0116	LF	#14, Grade 60, Footings, Low Alloy Steel Reinforcement Bar.....	8.60	
03 21 11 00-0117	LF	#18, Grade 60, Footings, Low Alloy Steel Reinforcement Bar.....	14.72	

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

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

03 21 11 00-0119	LF	#3, Grade 40, Slab On Grade, Steel Reinforcement Bar.....	0.55	
03 21 11 00-0120	LF	#4, Grade 40, Slab On Grade, Steel Reinforcement Bar.....	0.92	
03 21 11 00-0121	LF	#5, Grade 40, Slab On Grade, Steel Reinforcement Bar.....	1.38	
03 21 11 00-0122	LF	#6, Grade 40, Slab On Grade, Steel Reinforcement Bar.....	1.90	
03 21 11 00-0123	LF	#3, Grade 50, Slab On Grade, Steel Reinforcement Bar.....	0.56	
03 21 11 00-0124	LF	#4, Grade 50, Slab On Grade, Steel Reinforcement Bar.....	0.94	
03 21 11 00-0125	LF	#5, Grade 50, Slab On Grade, Steel Reinforcement Bar.....	1.41	
03 21 11 00-0126	LF	#6, Grade 50, Slab On Grade, Steel Reinforcement Bar.....	1.95	
03 21 11 00-0127	LF	#3, Grade 60, Slab On Grade, Steel Reinforcement Bar.....	0.58	
03 21 11 00-0128	LF	#4, Grade 60, Slab On Grade, Steel Reinforcement Bar.....	0.97	
03 21 11 00-0129	LF	#5, Grade 60, Slab On Grade, Steel Reinforcement Bar.....	1.46	
03 21 11 00-0130	LF	#6, Grade 60, Slab On Grade, Steel Reinforcement Bar.....	2.02	
03 21 11 00-0131	LF	#7, Grade 60, Slab On Grade, Steel Reinforcement Bar.....	2.64	
03 21 11 00-0132	LF	#8, Grade 60, Slab On Grade, Steel Reinforcement Bar.....	3.28	
03 21 11 00-0133	LF	#9, Grade 60, Slab On Grade, Steel Reinforcement Bar.....	4.03	
03 21 11 00-0134	LF	#10, Grade 60, Slab On Grade, Steel Reinforcement Bar.....	4.93	
03 21 11 00-0135	LF	#11, Grade 60, Slab On Grade, Steel Reinforcement Bar.....	5.88	
03 21 11 00-0136	LF	#14, Grade 60, Slab On Grade, Steel Reinforcement Bar.....	8.16	
03 21 11 00-0137	LF	#18, Grade 60, Slab On Grade, Steel Reinforcement Bar.....	13.97	
03 21 11 00-0138	LF	#6, Grade 75, Slab On Grade, Steel Reinforcement Bar.....	2.09	
03 21 11 00-0139	LF	#7, Grade 75, Slab On Grade, Steel Reinforcement Bar.....	2.74	
03 21 11 00-0140	LF	#8, Grade 75, Slab On Grade, Steel Reinforcement Bar.....	3.40	
03 21 11 00-0141	LF	#9, Grade 75, Slab On Grade, Steel Reinforcement Bar.....	4.19	
03 21 11 00-0142	LF	#10, Grade 75, Slab On Grade, Steel Reinforcement Bar.....	5.14	
03 21 11 00-0143	LF	#11, Grade 75, Slab On Grade, Steel Reinforcement Bar.....	6.13	

MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

03 21 11 00-0144	LF	#14, Grade 75, Slab On Grade, Steel Reinforcement Bar	8.52
03 21 11 00-0145	LF	#18, Grade 75, Slab On Grade, Steel Reinforcement Bar	14.62
03 21 11 00-0146	LF	#3, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	0.59
03 21 11 00-0147	LF	#4, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	1.00
03 21 11 00-0148	LF	#5, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	1.50
03 21 11 00-0149	LF	#6, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	2.07
03 21 11 00-0150	LF	#7, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	2.71
03 21 11 00-0151	LF	#8, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	3.37
03 21 11 00-0152	LF	#9, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	4.15
03 21 11 00-0153	LF	#10, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	5.09
03 21 11 00-0154	LF	#11, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	6.07
03 21 11 00-0155	LF	#14, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	8.43
03 21 11 00-0156	LF	#18, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	14.46

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

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

03 21 11 00-0158	LF	#3, Grade 40, Elevated Slabs, Steel Reinforcement Bar	0.51
03 21 11 00-0159	LF	#4, Grade 40, Elevated Slabs, Steel Reinforcement Bar	0.85
03 21 11 00-0160	LF	#5, Grade 40, Elevated Slabs, Steel Reinforcement Bar	1.29
03 21 11 00-0161	LF	#6, Grade 40, Elevated Slabs, Steel Reinforcement Bar	1.78
03 21 11 00-0162	LF	#3, Grade 50, Elevated Slabs, Steel Reinforcement Bar	0.52
03 21 11 00-0163	LF	#4, Grade 50, Elevated Slabs, Steel Reinforcement Bar	0.87
03 21 11 00-0164	LF	#5, Grade 50, Elevated Slabs, Steel Reinforcement Bar	1.32
03 21 11 00-0165	LF	#6, Grade 50, Elevated Slabs, Steel Reinforcement Bar	1.83
03 21 11 00-0166	LF	#3, Grade 60, Elevated Slabs, Steel Reinforcement Bar	0.54
03 21 11 00-0167	LF	#4, Grade 60, Elevated Slabs, Steel Reinforcement Bar	0.90
03 21 11 00-0168	LF	#5, Grade 60, Elevated Slabs, Steel Reinforcement Bar	1.37
03 21 11 00-0169	LF	#6, Grade 60, Elevated Slabs, Steel Reinforcement Bar	1.90
03 21 11 00-0170	LF	#7, Grade 60, Elevated Slabs, Steel Reinforcement Bar	2.49
03 21 11 00-0171	LF	#8, Grade 60, Elevated Slabs, Steel Reinforcement Bar	3.11
03 21 11 00-0172	LF	#9, Grade 60, Elevated Slabs, Steel Reinforcement Bar	3.83
03 21 11 00-0173	LF	#10, Grade 60, Elevated Slabs, Steel Reinforcement Bar	4.70
03 21 11 00-0174	LF	#11, Grade 60, Elevated Slabs, Steel Reinforcement Bar	5.62
03 21 11 00-0175	LF	#14, Grade 60, Elevated Slabs, Steel Reinforcement Bar	7.82
03 21 11 00-0176	LF	#18, Grade 60, Elevated Slabs, Steel Reinforcement Bar	13.43
03 21 11 00-0177	LF	#6, Grade 75, Elevated Slabs, Steel Reinforcement Bar	1.97
03 21 11 00-0178	LF	#7, Grade 75, Elevated Slabs, Steel Reinforcement Bar	2.59
03 21 11 00-0179	LF	#8, Grade 75, Elevated Slabs, Steel Reinforcement Bar	3.23
03 21 11 00-0180	LF	#9, Grade 75, Elevated Slabs, Steel Reinforcement Bar	3.99
03 21 11 00-0181	LF	#10, Grade 75, Elevated Slabs, Steel Reinforcement Bar	4.91
03 21 11 00-0182	LF	#11, Grade 75, Elevated Slabs, Steel Reinforcement Bar	5.87
03 21 11 00-0183	LF	#14, Grade 75, Elevated Slabs, Steel Reinforcement Bar	8.18
03 21 11 00-0184	LF	#18, Grade 75, Elevated Slabs, Steel Reinforcement Bar	14.08
03 21 11 00-0185	LF	#3, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	0.55
03 21 11 00-0186	LF	#4, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	0.93
03 21 11 00-0187	LF	#5, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	1.41
03 21 11 00-0188	LF	#6, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	1.95
03 21 11 00-0189	LF	#7, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	2.56
03 21 11 00-0190	LF	#8, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	3.20
03 21 11 00-0191	LF	#9, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	3.95
03 21 11 00-0192	LF	#10, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	4.86
03 21 11 00-0193	LF	#11, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	5.81
03 21 11 00-0194	LF	#14, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	8.09
03 21 11 00-0195	LF	#18, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	13.92

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

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

03 21 11 00-0197	LF	#3, Grade 40, Walls, Steel Reinforcement Bar	0.49
03 21 11 00-0198	LF	#4, Grade 40, Walls, Steel Reinforcement Bar	0.82
03 21 11 00-0199	LF	#5, Grade 40, Walls, Steel Reinforcement Bar	1.24
03 21 11 00-0200	LF	#6, Grade 40, Walls, Steel Reinforcement Bar	1.72
03 21 11 00-0201	LF	#3, Grade 50, Walls, Steel Reinforcement Bar	0.50
03 21 11 00-0202	LF	#4, Grade 50, Walls, Steel Reinforcement Bar	0.84
03 21 11 00-0203	LF	#5, Grade 50, Walls, Steel Reinforcement Bar	1.27
03 21 11 00-0204	LF	#6, Grade 50, Walls, Steel Reinforcement Bar	1.77
03 21 11 00-0205	LF	#3, Grade 60, Walls, Steel Reinforcement Bar	0.52
03 21 11 00-0206	LF	#4, Grade 60, Walls, Steel Reinforcement Bar	0.87
03 21 11 00-0207	LF	#5, Grade 60, Walls, Steel Reinforcement Bar	1.32
03 21 11 00-0208	LF	#6, Grade 60, Walls, Steel Reinforcement Bar	1.84
03 21 11 00-0209	LF	#7, Grade 60, Walls, Steel Reinforcement Bar	2.40
03 21 11 00-0210	LF	#8, Grade 60, Walls, Steel Reinforcement Bar	3.03
03 21 11 00-0211	LF	#9, Grade 60, Walls, Steel Reinforcement Bar	3.73
03 21 11 00-0212	LF	#10, Grade 60, Walls, Steel Reinforcement Bar	4.58
03 21 11 00-0213	LF	#11, Grade 60, Walls, Steel Reinforcement Bar	5.49
03 21 11 00-0214	LF	#14, Grade 60, Walls, Steel Reinforcement Bar	7.65
03 21 11 00-0215	LF	#18, Grade 60, Walls, Steel Reinforcement Bar	13.17
03 21 11 00-0216	LF	#6, Grade 75, Walls, Steel Reinforcement Bar	1.91
03 21 11 00-0217	LF	#7, Grade 75, Walls, Steel Reinforcement Bar	2.50
03 21 11 00-0218	LF	#8, Grade 75, Walls, Steel Reinforcement Bar	3.15
03 21 11 00-0219	LF	#9, Grade 75, Walls, Steel Reinforcement Bar	3.89
03 21 11 00-0220	LF	#10, Grade 75, Walls, Steel Reinforcement Bar	4.79
03 21 11 00-0221	LF	#11, Grade 75, Walls, Steel Reinforcement Bar	5.74
03 21 11 00-0222	LF	#14, Grade 75, Walls, Steel Reinforcement Bar	8.01

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 21 11 00-0223	LF	#18, Grade 75, Walls, Steel Reinforcement Bar .....	13.82
03 21 11 00-0224	LF	#3, Grade 60, Walls, Low Alloy Steel Reinforcement Bar .....	0.53
03 21 11 00-0225	LF	#4, Grade 60, Walls, Low Alloy Steel Reinforcement Bar .....	0.90
03 21 11 00-0226	LF	#5, Grade 60, Walls, Low Alloy Steel Reinforcement Bar .....	1.36
03 21 11 00-0227	LF	#6, Grade 60, Walls, Low Alloy Steel Reinforcement Bar .....	1.89
03 21 11 00-0228	LF	#7, Grade 60, Walls, Low Alloy Steel Reinforcement Bar .....	2.47
03 21 11 00-0229	LF	#8, Grade 60, Walls, Low Alloy Steel Reinforcement Bar .....	3.12
03 21 11 00-0230	LF	#9, Grade 60, Walls, Low Alloy Steel Reinforcement Bar .....	3.85
03 21 11 00-0231	LF	#10, Grade 60, Walls, Low Alloy Steel Reinforcement Bar .....	4.74
03 21 11 00-0232	LF	#11, Grade 60, Walls, Low Alloy Steel Reinforcement Bar .....	5.68
03 21 11 00-0233	LF	#14, Grade 60, Walls, Low Alloy Steel Reinforcement Bar .....	7.92
03 21 11 00-0234	LF	#18, Grade 60, Walls, Low Alloy Steel Reinforcement Bar .....	13.66

**03 21 11 00-0235 Mechanical Joint Connection (03 21 11)**

**03 21 11 00-0236 Thermal Type Mechanical Joint Connection (03 21 11 00-0235)**

03 21 11 00-0237	EA	Thermal Type Mechanical Joint Connection, Add Per Splice .....	202.18
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**03 21 11 00-0238 Screwed Type Mechanical Joint Connection (03 21 11 00-0235)**

03 21 11 00-0239	EA	Screwed Type Mechanical Joint Connection, Add Per Splice .....	111.06
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**03 21 11 00-0240 Deformed Straight Dowels (03 21 11)**

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

03 21 11 00-0241	EA	3/8" Diameter x 24" Long, Deformed Straight Dowel .....	2.92
		For Up To 12" Length, Deduct	-0.39
		For >12" To <24" Length, Deduct	-0.20
03 21 11 00-0242	EA	1/2" Diameter x 24" Long, Deformed Straight Dowel .....	3.52
		For Up To 12" Length, Deduct	-0.52
		For >12" To <24" Length, Deduct	-0.26
03 21 11 00-0243	EA	5/8" Diameter x 24" Long, Deformed Straight Dowel .....	4.37
		For Up To 12" Length, Deduct	-0.81
		For >12" To <24" Length, Deduct	-0.41
03 21 11 00-0244	EA	3/4" Diameter x 24" Long, Deformed Straight Dowel .....	5.41
		For Up To 12" Length, Deduct	-1.18
		For >12" To <24" Length, Deduct	-0.59
03 21 11 00-0245	EA	7/8" Diameter x 24" Long, Deformed Straight Dowel .....	6.49
		For Up To 12" Length, Deduct	-1.64
		For >12" To <24" Length, Deduct	-0.82
03 21 11 00-0246	EA	1" Diameter x 24" Long, Deformed Straight Dowel .....	8.20
		For Up To 12" Length, Deduct	-2.10
		For >12" To <24" Length, Deduct	-1.05
03 21 11 00-0247	EA	1-1/8" Diameter x 24" Long, Deformed Straight Dowel .....	9.72
		For Up To 12" Length, Deduct	-2.59
		For >12" To <24" Length, Deduct	-1.29
03 21 11 00-0248	EA	1-1/4" Diameter x 24" Long, Deformed Straight Dowel .....	12.00
		For Up To 12" Length, Deduct	-3.38
		For >12" To <24" Length, Deduct	-1.69
03 21 11 00-0249	EA	1-3/8" Diameter x 24" Long, Deformed Straight Dowel .....	14.32
		For Up To 12" Length, Deduct	-4.18
		For >12" To <24" Length, Deduct	-2.09

**03 21 11 00-0250 Spirals, Reinforcing Steel (03 21 11)**

03 21 11 00-0251	TON	Up To 15" Diameter, Grade 60, Spirals, Reinforcing Steel .....	3,502.89
		For Grade 75, Add	140.68
03 21 11 00-0252	TON	>15" To 24" Diameter, Grade 60, Spirals, Reinforcing Steel .....	3,463.83
		For Grade 75, Add	140.68
03 21 11 00-0253	TON	>24" To 36" Diameter, Grade 60, Spirals, Reinforcing Steel .....	3,434.05
		For Grade 75, Add	140.68
03 21 11 00-0254	TON	>36" To 48" Diameter, Grade 60, Spirals, Reinforcing Steel .....	3,385.33
		For Grade 75, Add	140.68
03 21 11 00-0255	TON	>48" To 64" Diameter, Grade 60, Spirals, Reinforcing Steel .....	3,319.46
		For Grade 75, Add	140.68
03 21 11 00-0256	TON	>64" To 84" Diameter, Grade 60, Spirals, Reinforcing Steel .....	3,300.44
		For Grade 75, Add	144.14
03 21 11 00-0257	TON	>84" To 96" Diameter, Grade 60, Spirals, Reinforcing Steel .....	3,245.29
		For Grade 75, Add	144.14

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

**03 21 13 00-0001 Beams And Girders, Galvanized Steel Reinforcement Bar (03 21 13)**

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0002	LF	#3, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar .....	0.75
03 21 13 00-0003	LF	#4, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar .....	1.26
03 21 13 00-0004	LF	#5, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar .....	1.89
03 21 13 00-0005	LF	#6, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar .....	2.63
03 21 13 00-0006	LF	#3, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar .....	0.76
03 21 13 00-0007	LF	#4, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar .....	1.28
03 21 13 00-0008	LF	#5, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar .....	1.93
03 21 13 00-0009	LF	#6, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar .....	2.68
03 21 13 00-0010	LF	#3, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar .....	0.78
03 21 13 00-0011	LF	#4, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar .....	1.31
03 21 13 00-0012	LF	#5, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar .....	1.98

**03 Concrete**  
**03 20 Concrete Reinforcing**  
**03 21 Reinforcement Bars**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 21 13 00-0013	LF	#6, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	2.75
03 21 13 00-0014	LF	#7, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	3.58
03 21 13 00-0015	LF	#8, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	4.49
03 21 13 00-0016	LF	#9, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	5.53
03 21 13 00-0017	LF	#10, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	6.79
03 21 13 00-0018	LF	#11, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	8.13
03 21 13 00-0019	LF	#14, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	11.32
03 21 13 00-0020	LF	#18, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	19.45
03 21 13 00-0021	LF	#6, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	2.82
03 21 13 00-0022	LF	#7, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	3.68
03 21 13 00-0023	LF	#8, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	4.61
03 21 13 00-0024	LF	#9, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	5.69
03 21 13 00-0025	LF	#10, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	7.00
03 21 13 00-0026	LF	#11, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	8.38
03 21 13 00-0027	LF	#14, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	11.68
03 21 13 00-0028	LF	#18, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	20.09

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

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0030	LF	#3, Grade 40, Columns, Galvanized Steel Reinforcement Bar	0.77
03 21 13 00-0031	LF	#4, Grade 40, Columns, Galvanized Steel Reinforcement Bar	1.33
03 21 13 00-0032	LF	#5, Grade 40, Columns, Galvanized Steel Reinforcement Bar	1.98
03 21 13 00-0033	LF	#6, Grade 40, Columns, Galvanized Steel Reinforcement Bar	2.74
03 21 13 00-0034	LF	#3, Grade 50, Columns, Galvanized Steel Reinforcement Bar	0.78
03 21 13 00-0035	LF	#4, Grade 50, Columns, Galvanized Steel Reinforcement Bar	1.35
03 21 13 00-0036	LF	#5, Grade 50, Columns, Galvanized Steel Reinforcement Bar	2.02
03 21 13 00-0037	LF	#6, Grade 50, Columns, Galvanized Steel Reinforcement Bar	2.79
03 21 13 00-0038	LF	#3, Grade 60, Columns, Galvanized Steel Reinforcement Bar	0.80
03 21 13 00-0039	LF	#4, Grade 60, Columns, Galvanized Steel Reinforcement Bar	1.38
03 21 13 00-0040	LF	#5, Grade 60, Columns, Galvanized Steel Reinforcement Bar	2.07
03 21 13 00-0041	LF	#6, Grade 60, Columns, Galvanized Steel Reinforcement Bar	2.86
03 21 13 00-0042	LF	#7, Grade 60, Columns, Galvanized Steel Reinforcement Bar	3.73
03 21 13 00-0043	LF	#8, Grade 60, Columns, Galvanized Steel Reinforcement Bar	4.66
03 21 13 00-0044	LF	#9, Grade 60, Columns, Galvanized Steel Reinforcement Bar	5.73
03 21 13 00-0045	LF	#10, Grade 60, Columns, Galvanized Steel Reinforcement Bar	7.02
03 21 13 00-0046	LF	#11, Grade 60, Columns, Galvanized Steel Reinforcement Bar	8.38
03 21 13 00-0047	LF	#14, Grade 60, Columns, Galvanized Steel Reinforcement Bar	11.66
03 21 13 00-0048	LF	#18, Grade 60, Columns, Galvanized Steel Reinforcement Bar	19.99
03 21 13 00-0049	LF	#6, Grade 75, Columns, Galvanized Steel Reinforcement Bar	2.93
03 21 13 00-0050	LF	#7, Grade 75, Columns, Galvanized Steel Reinforcement Bar	3.83
03 21 13 00-0051	LF	#8, Grade 75, Columns, Galvanized Steel Reinforcement Bar	4.78
03 21 13 00-0052	LF	#9, Grade 75, Columns, Galvanized Steel Reinforcement Bar	5.89
03 21 13 00-0053	LF	#10, Grade 75, Columns, Galvanized Steel Reinforcement Bar	7.23
03 21 13 00-0054	LF	#11, Grade 75, Columns, Galvanized Steel Reinforcement Bar	8.63
03 21 13 00-0055	LF	#14, Grade 75, Columns, Galvanized Steel Reinforcement Bar	12.02
03 21 13 00-0056	LF	#18, Grade 75, Columns, Galvanized Steel Reinforcement Bar	20.63

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

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0058	LF	#3, Grade 40, Footings, Galvanized Steel Reinforcement Bar	0.69
03 21 13 00-0059	LF	#4, Grade 40, Footings, Galvanized Steel Reinforcement Bar	1.17
03 21 13 00-0060	LF	#5, Grade 40, Footings, Galvanized Steel Reinforcement Bar	1.76
03 21 13 00-0061	LF	#6, Grade 40, Footings, Galvanized Steel Reinforcement Bar	2.45
03 21 13 00-0062	LF	#3, Grade 50, Footings, Galvanized Steel Reinforcement Bar	0.70
03 21 13 00-0063	LF	#4, Grade 50, Footings, Galvanized Steel Reinforcement Bar	1.19
03 21 13 00-0064	LF	#5, Grade 50, Footings, Galvanized Steel Reinforcement Bar	1.80
03 21 13 00-0065	LF	#6, Grade 50, Footings, Galvanized Steel Reinforcement Bar	2.50
03 21 13 00-0066	LF	#3, Grade 60, Footings, Galvanized Steel Reinforcement Bar	0.72
03 21 13 00-0067	LF	#4, Grade 60, Footings, Galvanized Steel Reinforcement Bar	1.22
03 21 13 00-0068	LF	#5, Grade 60, Footings, Galvanized Steel Reinforcement Bar	1.85
03 21 13 00-0069	LF	#6, Grade 60, Footings, Galvanized Steel Reinforcement Bar	2.57
03 21 13 00-0070	LF	#7, Grade 60, Footings, Galvanized Steel Reinforcement Bar	3.36
03 21 13 00-0071	LF	#8, Grade 60, Footings, Galvanized Steel Reinforcement Bar	4.23
03 21 13 00-0072	LF	#9, Grade 60, Footings, Galvanized Steel Reinforcement Bar	5.23
03 21 13 00-0073	LF	#10, Grade 60, Footings, Galvanized Steel Reinforcement Bar	6.44
03 21 13 00-0074	LF	#11, Grade 60, Footings, Galvanized Steel Reinforcement Bar	7.73
03 21 13 00-0075	LF	#14, Grade 60, Footings, Galvanized Steel Reinforcement Bar	10.80
03 21 13 00-0076	LF	#18, Grade 60, Footings, Galvanized Steel Reinforcement Bar	18.63
03 21 13 00-0077	LF	#6, Grade 75, Footings, Galvanized Steel Reinforcement Bar	2.64
03 21 13 00-0078	LF	#7, Grade 75, Footings, Galvanized Steel Reinforcement Bar	3.46
03 21 13 00-0079	LF	#8, Grade 75, Footings, Galvanized Steel Reinforcement Bar	4.35
03 21 13 00-0080	LF	#9, Grade 75, Footings, Galvanized Steel Reinforcement Bar	5.39
03 21 13 00-0081	LF	#10, Grade 75, Footings, Galvanized Steel Reinforcement Bar	6.65
03 21 13 00-0082	LF	#11, Grade 75, Footings, Galvanized Steel Reinforcement Bar	7.98
03 21 13 00-0083	LF	#14, Grade 75, Footings, Galvanized Steel Reinforcement Bar	11.16
03 21 13 00-0084	LF	#18, Grade 75, Footings, Galvanized Steel Reinforcement Bar	19.27

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

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0086	LF	#3, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	0.67
03 21 13 00-0087	LF	#4, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	1.14
03 21 13 00-0088	LF	#5, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	1.71

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION	UNIT COST	UNIT COST			

03 21 13 00-0089	LF	#6, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	2.38		
03 21 13 00-0090	LF	#3, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	0.68		
03 21 13 00-0091	LF	#4, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	1.16		
03 21 13 00-0092	LF	#5, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	1.75		
03 21 13 00-0093	LF	#6, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	2.43		
03 21 13 00-0094	LF	#3, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	0.70		
03 21 13 00-0095	LF	#4, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	1.19		
03 21 13 00-0096	LF	#5, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	1.80		
03 21 13 00-0097	LF	#6, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	2.50		
03 21 13 00-0098	LF	#7, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	3.30		
03 21 13 00-0099	LF	#8, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	4.14		
03 21 13 00-0100	LF	#9, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	5.13		
03 21 13 00-0101	LF	#10, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	6.32		
03 21 13 00-0102	LF	#11, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	7.60		
03 21 13 00-0103	LF	#14, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	10.63		
03 21 13 00-0104	LF	#18, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	18.37		
03 21 13 00-0105	LF	#6, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	2.57		
03 21 13 00-0106	LF	#7, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	3.40		
03 21 13 00-0107	LF	#8, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	4.26		
03 21 13 00-0108	LF	#9, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	5.29		
03 21 13 00-0109	LF	#10, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	6.53		
03 21 13 00-0110	LF	#11, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	7.85		
03 21 13 00-0111	LF	#14, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	10.99		
03 21 13 00-0112	LF	#18, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	19.01		

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

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0114	LF	#3, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.63		
03 21 13 00-0115	LF	#4, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.07		
03 21 13 00-0116	LF	#5, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.62		
03 21 13 00-0117	LF	#6, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.26		
03 21 13 00-0118	LF	#3, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.64		
03 21 13 00-0119	LF	#4, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.09		
03 21 13 00-0120	LF	#5, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.66		
03 21 13 00-0121	LF	#6, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.31		
03 21 13 00-0122	LF	#3, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.66		
03 21 13 00-0123	LF	#4, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.12		
03 21 13 00-0124	LF	#5, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.71		
03 21 13 00-0125	LF	#6, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.38		
03 21 13 00-0126	LF	#7, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.15		
03 21 13 00-0127	LF	#8, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.97		
03 21 13 00-0128	LF	#9, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	4.93		
03 21 13 00-0129	LF	#10, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	6.09		
03 21 13 00-0130	LF	#11, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	7.34		
03 21 13 00-0131	LF	#14, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	10.29		
03 21 13 00-0132	LF	#18, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	17.83		
03 21 13 00-0133	LF	#6, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.45		
03 21 13 00-0134	LF	#7, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.25		
03 21 13 00-0135	LF	#8, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	4.09		
03 21 13 00-0136	LF	#9, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	5.09		
03 21 13 00-0137	LF	#10, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	6.30		
03 21 13 00-0138	LF	#11, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	7.59		
03 21 13 00-0139	LF	#14, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	10.65		
03 21 13 00-0140	LF	#18, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	18.47		

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

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0142	LF	#3, Grade 40, Walls, Galvanized Steel Reinforcement Bar	0.61		
03 21 13 00-0143	LF	#4, Grade 40, Walls, Galvanized Steel Reinforcement Bar	1.04		
03 21 13 00-0144	LF	#5, Grade 40, Walls, Galvanized Steel Reinforcement Bar	1.57		
03 21 13 00-0145	LF	#6, Grade 40, Walls, Galvanized Steel Reinforcement Bar	2.20		
03 21 13 00-0146	LF	#3, Grade 50, Walls, Galvanized Steel Reinforcement Bar	0.62		
03 21 13 00-0147	LF	#4, Grade 50, Walls, Galvanized Steel Reinforcement Bar	1.06		
03 21 13 00-0148	LF	#5, Grade 50, Walls, Galvanized Steel Reinforcement Bar	1.61		
03 21 13 00-0149	LF	#6, Grade 50, Walls, Galvanized Steel Reinforcement Bar	2.25		
03 21 13 00-0150	LF	#3, Grade 60, Walls, Galvanized Steel Reinforcement Bar	0.64		
03 21 13 00-0151	LF	#4, Grade 60, Walls, Galvanized Steel Reinforcement Bar	1.09		
03 21 13 00-0152	LF	#5, Grade 60, Walls, Galvanized Steel Reinforcement Bar	1.66		
03 21 13 00-0153	LF	#6, Grade 60, Walls, Galvanized Steel Reinforcement Bar	2.32		
03 21 13 00-0154	LF	#7, Grade 60, Walls, Galvanized Steel Reinforcement Bar	3.06		
03 21 13 00-0155	LF	#8, Grade 60, Walls, Galvanized Steel Reinforcement Bar	3.89		
03 21 13 00-0156	LF	#9, Grade 60, Walls, Galvanized Steel Reinforcement Bar	4.83		
03 21 13 00-0157	LF	#10, Grade 60, Walls, Galvanized Steel Reinforcement Bar	5.97		
03 21 13 00-0158	LF	#11, Grade 60, Walls, Galvanized Steel Reinforcement Bar	7.21		
03 21 13 00-0159	LF	#14, Grade 60, Walls, Galvanized Steel Reinforcement Bar	10.12		
03 21 13 00-0160	LF	#18, Grade 60, Walls, Galvanized Steel Reinforcement Bar	17.57		
03 21 13 00-0161	LF	#6, Grade 75, Walls, Galvanized Steel Reinforcement Bar	2.39		
03 21 13 00-0162	LF	#7, Grade 75, Walls, Galvanized Steel Reinforcement Bar	3.16		
03 21 13 00-0163	LF	#8, Grade 75, Walls, Galvanized Steel Reinforcement Bar	4.01		
03 21 13 00-0164	LF	#9, Grade 75, Walls, Galvanized Steel Reinforcement Bar	4.99		
03 21 13 00-0165	LF	#10, Grade 75, Walls, Galvanized Steel Reinforcement Bar	6.18		
03 21 13 00-0166	LF	#11, Grade 75, Walls, Galvanized Steel Reinforcement Bar	7.46		
03 21 13 00-0167	LF	#14, Grade 75, Walls, Galvanized Steel Reinforcement Bar	10.48		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 21	13 00-0168	LF	#18, Grade 75, Walls, Galvanized Steel Reinforcement Bar .....	18.21	
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### 03 21 16 Epoxy-Coated Reinforcement Steel Bars (03 21)

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

Note: ASTM A-775 Epoxy Coated Steel.

03 21	16 00-0002	LF	#3, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	0.74	
03 21	16 00-0003	LF	#4, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	1.23	
03 21	16 00-0004	LF	#5, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	1.86	
03 21	16 00-0005	LF	#6, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	2.58	
03 21	16 00-0006	LF	#3, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	0.75	
03 21	16 00-0007	LF	#4, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	1.25	
03 21	16 00-0008	LF	#5, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	1.89	
03 21	16 00-0009	LF	#6, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	2.63	
03 21	16 00-0010	LF	#3, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	0.77	
03 21	16 00-0011	LF	#4, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	1.29	
03 21	16 00-0012	LF	#5, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	1.94	
03 21	16 00-0013	LF	#6, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	2.70	
03 21	16 00-0014	LF	#7, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	3.51	
03 21	16 00-0015	LF	#8, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	4.39	
03 21	16 00-0016	LF	#9, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	5.41	
03 21	16 00-0017	LF	#10, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	6.64	
03 21	16 00-0018	LF	#11, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	7.94	
03 21	16 00-0019	LF	#14, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	11.05	
03 21	16 00-0020	LF	#18, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	18.97	
03 21	16 00-0021	LF	#6, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	2.77	
03 21	16 00-0022	LF	#7, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	3.61	
03 21	16 00-0023	LF	#8, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	4.52	
03 21	16 00-0024	LF	#9, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	5.57	
03 21	16 00-0025	LF	#10, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	6.85	
03 21	16 00-0026	LF	#11, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	8.19	
03 21	16 00-0027	LF	#14, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	11.41	
03 21	16 00-0028	LF	#18, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	19.61	

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

Note: ASTM A-775 Epoxy Coated Steel.

03 21	16 00-0030	LF	#3, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar .....	0.76	
03 21	16 00-0031	LF	#4, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar .....	1.30	
03 21	16 00-0032	LF	#5, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar .....	1.95	
03 21	16 00-0033	LF	#6, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar .....	2.69	
03 21	16 00-0034	LF	#3, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar .....	0.77	
03 21	16 00-0035	LF	#4, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar .....	1.32	
03 21	16 00-0036	LF	#5, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar .....	1.98	
03 21	16 00-0037	LF	#6, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar .....	2.74	
03 21	16 00-0038	LF	#3, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar .....	0.79	
03 21	16 00-0039	LF	#4, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar .....	1.36	
03 21	16 00-0040	LF	#5, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar .....	2.03	
03 21	16 00-0041	LF	#6, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar .....	2.81	
03 21	16 00-0042	LF	#7, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar .....	3.66	
03 21	16 00-0043	LF	#8, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar .....	4.56	
03 21	16 00-0044	LF	#9, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar .....	5.61	
03 21	16 00-0045	LF	#10, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar .....	6.87	
03 21	16 00-0046	LF	#11, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar .....	8.19	
03 21	16 00-0047	LF	#14, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar .....	11.39	
03 21	16 00-0048	LF	#18, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar .....	19.51	
03 21	16 00-0049	LF	#6, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar .....	2.88	
03 21	16 00-0050	LF	#7, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar .....	3.76	
03 21	16 00-0051	LF	#8, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar .....	4.69	
03 21	16 00-0052	LF	#9, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar .....	5.77	
03 21	16 00-0053	LF	#10, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar .....	7.08	
03 21	16 00-0054	LF	#11, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar .....	8.44	
03 21	16 00-0055	LF	#14, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar .....	11.75	
03 21	16 00-0056	LF	#18, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar .....	20.15	

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

Note: ASTM A-775 Epoxy Coated Steel.

03 21	16 00-0058	LF	#3, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar .....	0.68	
03 21	16 00-0059	LF	#4, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar .....	1.14	
03 21	16 00-0060	LF	#5, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar .....	1.73	
03 21	16 00-0061	LF	#6, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar .....	2.40	
03 21	16 00-0062	LF	#3, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar .....	0.69	
03 21	16 00-0063	LF	#4, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar .....	1.16	
03 21	16 00-0064	LF	#5, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar .....	1.76	
03 21	16 00-0065	LF	#6, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar .....	2.45	
03 21	16 00-0066	LF	#3, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar .....	0.71	
03 21	16 00-0067	LF	#4, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar .....	1.20	
03 21	16 00-0068	LF	#5, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar .....	1.81	
03 21	16 00-0069	LF	#6, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar .....	2.52	
03 21	16 00-0070	LF	#7, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar .....	3.29	
03 21	16 00-0071	LF	#8, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar .....	4.13	
03 21	16 00-0072	LF	#9, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar .....	5.11	
03 21	16 00-0073	LF	#10, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar .....	6.29	
03 21	16 00-0074	LF	#11, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar .....	7.54	

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 21 16 00-0075	LF #14, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar.....	10.53	
03 21 16 00-0076	LF #18, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar.....	18.15	
03 21 16 00-0077	LF #6, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar.....	2.59	
03 21 16 00-0078	LF #7, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar.....	3.39	
03 21 16 00-0079	LF #8, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar.....	4.26	
03 21 16 00-0080	LF #9, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar.....	5.27	
03 21 16 00-0081	LF #10, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar.....	6.50	
03 21 16 00-0082	LF #11, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar.....	7.79	
03 21 16 00-0083	LF #14, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar.....	10.89	
03 21 16 00-0084	LF #18, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar.....	18.79	

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

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0086	LF #3, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	0.66	
03 21 16 00-0087	LF #4, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	1.11	
03 21 16 00-0088	LF #5, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	1.68	
03 21 16 00-0089	LF #6, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	2.33	
03 21 16 00-0090	LF #3, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	0.67	
03 21 16 00-0091	LF #4, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	1.13	
03 21 16 00-0092	LF #5, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	1.71	
03 21 16 00-0093	LF #6, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	2.38	
03 21 16 00-0094	LF #3, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	0.69	
03 21 16 00-0095	LF #4, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	1.17	
03 21 16 00-0096	LF #5, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	1.76	
03 21 16 00-0097	LF #6, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	2.45	
03 21 16 00-0098	LF #7, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	3.23	
03 21 16 00-0099	LF #8, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	4.04	
03 21 16 00-0100	LF #9, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	5.01	
03 21 16 00-0101	LF #10, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	6.17	
03 21 16 00-0102	LF #11, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	7.41	
03 21 16 00-0103	LF #14, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	10.36	
03 21 16 00-0104	LF #18, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	17.89	
03 21 16 00-0105	LF #6, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	2.52	
03 21 16 00-0106	LF #7, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	3.33	
03 21 16 00-0107	LF #8, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	4.17	
03 21 16 00-0108	LF #9, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	5.17	
03 21 16 00-0109	LF #10, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	6.38	
03 21 16 00-0110	LF #11, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	7.66	
03 21 16 00-0111	LF #14, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	10.72	
03 21 16 00-0112	LF #18, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	18.53	

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

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0114	LF #3, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	0.62	
03 21 16 00-0115	LF #4, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.04	
03 21 16 00-0116	LF #5, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.59	
03 21 16 00-0117	LF #6, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	2.21	
03 21 16 00-0118	LF #3, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	0.63	
03 21 16 00-0119	LF #4, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.06	
03 21 16 00-0120	LF #5, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.62	
03 21 16 00-0121	LF #6, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	2.26	
03 21 16 00-0122	LF #3, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	0.65	
03 21 16 00-0123	LF #4, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.10	
03 21 16 00-0124	LF #5, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.67	
03 21 16 00-0125	LF #6, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	2.33	
03 21 16 00-0126	LF #7, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	3.08	
03 21 16 00-0127	LF #8, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	3.87	
03 21 16 00-0128	LF #9, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	4.81	
03 21 16 00-0129	LF #10, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	5.94	
03 21 16 00-0130	LF #11, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	7.15	
03 21 16 00-0131	LF #14, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	10.02	
03 21 16 00-0132	LF #18, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	17.35	
03 21 16 00-0133	LF #6, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	2.40	
03 21 16 00-0134	LF #7, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	3.18	
03 21 16 00-0135	LF #8, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	4.00	
03 21 16 00-0136	LF #9, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	4.97	
03 21 16 00-0137	LF #10, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	6.15	
03 21 16 00-0138	LF #11, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	7.40	
03 21 16 00-0139	LF #14, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	10.38	
03 21 16 00-0140	LF #18, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	17.99	

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

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0142	LF #3, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.60	
03 21 16 00-0143	LF #4, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.01	
03 21 16 00-0144	LF #5, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.54	
03 21 16 00-0145	LF #6, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....	2.15	
03 21 16 00-0146	LF #3, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.61	
03 21 16 00-0147	LF #4, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.03	
03 21 16 00-0148	LF #5, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.57	
03 21 16 00-0149	LF #6, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar.....	2.20	
03 21 16 00-0150	LF #3, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.63	

**03 Concrete**  
**03 20 Concrete Reinforcing**  
**03 21 Reinforcement Bars**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 21 16 00-0151	LF	#4, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.07
03 21 16 00-0152	LF	#5, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.62
03 21 16 00-0153	LF	#6, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	2.27
03 21 16 00-0154	LF	#7, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	2.99
03 21 16 00-0155	LF	#8, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	3.79
03 21 16 00-0156	LF	#9, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	4.71
03 21 16 00-0157	LF	#10, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	5.82
03 21 16 00-0158	LF	#11, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	7.02
03 21 16 00-0159	LF	#14, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	9.85
03 21 16 00-0160	LF	#18, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	17.09
03 21 16 00-0161	LF	#6, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	2.34
03 21 16 00-0162	LF	#7, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	3.09
03 21 16 00-0163	LF	#8, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	3.92
03 21 16 00-0164	LF	#9, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	4.87
03 21 16 00-0165	LF	#10, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	6.03
03 21 16 00-0166	LF	#11, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	7.27
03 21 16 00-0167	LF	#14, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	10.21
03 21 16 00-0168	LF	#18, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	17.73

**03 21 16 00-0169 Epoxy Coated Deformed Straight Dowels** <sup>(03 21 16)</sup>

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

03 21 16 00-0170	EA	3/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	4.81
		<i>For Up To 12" Length, Deduct</i>	-0.55
		<i>For &gt;12" To &lt;24" Length, Deduct</i>	-0.27
03 21 16 00-0171	EA	1/2" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	5.74
		<i>For Up To 12" Length, Deduct</i>	-0.83
		<i>For &gt;12" To &lt;24" Length, Deduct</i>	-0.41
03 21 16 00-0172	EA	5/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	7.20
		<i>For Up To 12" Length, Deduct</i>	-1.24
		<i>For &gt;12" To &lt;24" Length, Deduct</i>	-0.62
03 21 16 00-0173	EA	3/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	8.99
		<i>For Up To 12" Length, Deduct</i>	-1.64
		<i>For &gt;12" To &lt;24" Length, Deduct</i>	-0.82
03 21 16 00-0174	EA	7/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	10.93
		<i>For Up To 12" Length, Deduct</i>	-2.24
		<i>For &gt;12" To &lt;24" Length, Deduct</i>	-1.12
03 21 16 00-0175	EA	1" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	12.77
		<i>For Up To 12" Length, Deduct</i>	-2.76
		<i>For &gt;12" To &lt;24" Length, Deduct</i>	-1.38
03 21 16 00-0176	EA	1-1/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	15.12
		<i>For Up To 12" Length, Deduct</i>	-3.34
		<i>For &gt;12" To &lt;24" Length, Deduct</i>	-1.67
03 21 16 00-0177	EA	1-1/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	18.21
		<i>For Up To 12" Length, Deduct</i>	-4.04
		<i>For &gt;12" To &lt;24" Length, Deduct</i>	-2.02

**03 22 Fabric and Grid Reinforcing** <sup>(03 20)</sup>

**03 22 11 Plain Steel Welded Wire Fabric Reinforcing** <sup>(03 22)</sup>

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

**03 22 11 00-0001 Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs** <sup>(03 22 11)</sup>

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

03 22 11 00-0002	SF	6" x 6" x #10, 21 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....	0.79
		<i>For &gt;5 Ton, Deduct</i>	-0.12
03 22 11 00-0003	SF	6" x 6" x #8, 30 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....	0.92
		<i>For &gt;5 Ton, Deduct</i>	-0.14
03 22 11 00-0004	SF	6" x 6" x #6, 42 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....	1.04
		<i>For &gt;5 Ton, Deduct</i>	-0.15
03 22 11 00-0005	SF	6" x 6" x #4, 58 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....	1.24
		<i>For &gt;5 Ton, Deduct</i>	-0.18
03 22 11 00-0006	SF	4" x 4" x #10, 31 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....	0.96
		<i>For &gt;5 Ton, Deduct</i>	-0.14
03 22 11 00-0007	SF	4" x 4" x #8, 44 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....	1.08
		<i>For &gt;5 Ton, Deduct</i>	-0.16
03 22 11 00-0008	SF	4" x 4" x #6, 62 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....	1.37
		<i>For &gt;5 Ton, Deduct</i>	-0.19
03 22 11 00-0009	SF	4" x 4" x #4, 85 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....	1.60
		<i>For &gt;5 Ton, Deduct</i>	-0.22
03 22 11 00-0010	SF	2" x 2" x #12, 37 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W0.9 x W0.9).....	1.50
		<i>For &gt;5 Ton, Deduct</i>	-0.19

**03 22 13 Galvanized Welded Wire Fabric Reinforcing** <sup>(03 22)</sup>

**03 22 13 00-0001 Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs** <sup>(03 22 13)</sup>

Note: Includes bar chairs. Under 5 tons.

03 22 13 00-0002	SF	6" x 6" x #10, 21 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....	0.89
		<i>For &gt;5 Ton, Deduct</i>	-0.13
03 22 13 00-0003	SF	6" x 6" x #8, 29 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....	1.03
		<i>For &gt;5 Ton, Deduct</i>	-0.15
03 22 13 00-0004	SF	6" x 6" x #6, 42 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....	1.19
		<i>For &gt;5 Ton, Deduct</i>	-0.17
03 22 13 00-0005	SF	6" x 6" x #4, 58 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....	1.44
		<i>For &gt;5 Ton, Deduct</i>	-0.20
03 22 13 00-0006	SF	4" x 4" x #10, 31 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....	1.09
		<i>For &gt;5 Ton, Deduct</i>	-0.15



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 22 13 00-0007	SF	4" x 4" x #8, 43 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1) .....	1.24		
		<i>For &gt;5 Ton, Deduct</i>	-0.17		
03 22 13 00-0008	SF	4" x 4" x #6, 62 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9) .....	1.63		
		<i>For &gt;5 Ton, Deduct</i>	-0.21		
03 22 13 00-0009	SF	4" x 4" x #4, 85 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0) .....	1.93		
		<i>For &gt;5 Ton, Deduct</i>	-0.25		

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

Note: Includes bar chairs. Under 5 tons.

03 22 13 00-0011	SF	2" x 2" x #14, 21 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Wrap Placed In Beams And Columns (W0.5 x W0.5).....	3.11		
		<i>For &gt;5 Ton, Deduct</i>	-0.48		

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

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

Note: Includes bar chairs. Under 5 tons.

03 22 16 00-0002	SF	6" x 6" x #10, 21 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....	0.87		
		<i>For &gt;5 Ton, Deduct</i>	-0.13		
03 22 16 00-0003	SF	6" x 6" x #8, 29 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....	1.01		
		<i>For &gt;5 Ton, Deduct</i>	-0.15		
03 22 16 00-0004	SF	6" x 6" x #6, 42 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....	1.17		
		<i>For &gt;5 Ton, Deduct</i>	-0.16		
03 22 16 00-0005	SF	6" x 6" x #4, 58 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....	1.41		
		<i>For &gt;5 Ton, Deduct</i>	-0.19		
03 22 16 00-0006	SF	4" x 4" x #10, 31 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....	1.07		
		<i>For &gt;5 Ton, Deduct</i>	-0.15		
03 22 16 00-0007	SF	4" x 4" x #8, 43 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....	1.22		
		<i>For &gt;5 Ton, Deduct</i>	-0.17		
03 22 16 00-0008	SF	4" x 4" x #6, 62 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....	1.60		
		<i>For &gt;5 Ton, Deduct</i>	-0.21		
03 22 16 00-0009	SF	4" x 4" x #4, 85 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....	1.89		
		<i>For &gt;5 Ton, Deduct</i>	-0.24		

**03 30 Cast-In-Place Concrete** (03)

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

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

03 30 53 00-0002	CY	Direct Chute, Place 3,000 PSI Concrete Thrust Blocks .....	239.75		
		<i>For 2,000 PSI Concrete, Deduct</i>	-9.17		
		<i>For 2,500 PSI Concrete, Deduct</i>	-4.58		
		<i>For 3,500 PSI Concrete, Add</i>	8.49		
		<i>For 3,750 PSI Concrete, Add</i>	11.54		
		<i>For 4,000 PSI Concrete, Add</i>	14.60		
		<i>For 4,500 PSI Concrete, Add</i>	16.98		
		<i>For 5,000 PSI Concrete, Add</i>	19.35		
		<i>For 6,000 PSI Concrete, Add</i>	45.83		
		<i>For 7,500 PSI Concrete, Add</i>	113.82		
		<i>For White Cement Concrete, Add</i>	20.37		
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	22.07		
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	16.98		
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	50.93		

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

03 30 53 00-0004	CY	Direct Chute, Place Two Sack Cement, Concrete Slurry .....	185.58		
		Note: Two 94# sack cement per CY.			
03 30 53 00-0005	CY	Concrete Pump, Place Two Sack Cement, Concrete Slurry .....	179.42		
		Note: Two 94# sack cement per CY. Excludes pumping equipment.			

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

03 30 53 00-0007	CF	Hand Mix And Place Concrete.....	30.21		
		Note: For use where conventional equipment access is limited or when directed by the owner.			
		<i>For 2,000 PSI Concrete, Deduct</i>	-0.39		
		<i>For 2,500 PSI Concrete, Deduct</i>	-0.20		
		<i>For 3,500 PSI Concrete, Add</i>	0.36		

**03 31 Structural Concrete** (03 30)

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

Note: Includes delivery, fuel charge and placement of material. See CSI section 02 41 00 00-0000 for demolition, 03 05 13 00-0001 for admixtures, 03 11 00 00-0000 for forming, 03 20 00 00-0000 for reinforcing, 03 31 13 00-0094 for small concrete purchases (short load), 03 35 00 00-0000 for finishing, 03 39 00 00-0000 for curing.

**03 31 13 00-0001 Equipment Pads** (03 31 13)

**03 31 13 00-0002 Small Concrete Equipment Housekeeping Pad Assemblies** (03 31 13 00-0001)

Note: Includes forms, hand mix concrete, finish, curing and reinforcing. For up to 50 SF per pad and up to 5 pads per project. See CSI section 03 31 13 00-0008 for >50 SF concrete pads.

**03 Concrete**  
**03 30 Cast-In-Place Concrete**  
**03 31 Structural Concrete**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 31 13 00-0003	SF	4" Equipment Pad With Welded Wire Reinforcement .....	18.27
		<i>For &gt;5 To 20 Pads, Deduct</i>	-2.18
		<i>For &gt;20 To 50 Pads, Deduct</i>	-4.00
		<i>For &gt;50 Pads, Deduct</i>	-5.82
03 31 13 00-0004	SF	4" Equipment Pad With Rebar .....	22.43
		<i>For &gt;5 To 20 Pads, Deduct</i>	-2.52
		<i>For &gt;20 To 50 Pads, Deduct</i>	-4.62
		<i>For &gt;50 Pads, Deduct</i>	-6.72
03 31 13 00-0005	SF	6" Equipment Pad With Rebar .....	28.42
		<i>For &gt;5 To 20 Pads, Deduct</i>	-3.17
		<i>For &gt;20 To 50 Pads, Deduct</i>	-5.81
		<i>For &gt;50 Pads, Deduct</i>	-8.44
03 31 13 00-0006	SF	8" Equipment Pad With Rebar .....	35.82
		<i>For &gt;5 To 20 Pads, Deduct</i>	-4.02
		<i>For &gt;20 To 50 Pads, Deduct</i>	-7.38
		<i>For &gt;50 Pads, Deduct</i>	-10.73

**03 31 13 00-0007 Concrete Slab Assemblies (03 31 13)**

**03 31 13 00-0008 3,000 PSI Slab On Grade Concrete Slabs Assemblies (03 31 13 00-0007)**

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

03 31 13 00-0009	SF	4" 3,000 PSI Slab On Grade Concrete Slabs Assembly .....	7.67
		<i>For 2,000 PSI Concrete, Deduct</i>	-0.22
		<i>For 2,500 PSI Concrete, Deduct</i>	-0.11
		<i>For 3,500 PSI Concrete, Add</i>	0.08
		<i>For 4,000 PSI Concrete, Add</i>	0.26
		<i>For Reinforcing Rods Are At 18" On Center, Deduct</i>	-0.13
		<i>For Reinforcing Rods Are At 24" On Center, Deduct</i>	-0.40
		<i>For Up To 500, Add</i>	2.95
		<i>For &gt;500 To 1,000, Add</i>	2.04
		<i>For &gt;1,000 To 2,000, Add</i>	1.12
		<i>For &gt;2,000 To 5,000, Add</i>	0.56
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.21
		<i>For &gt;20,000 To 35,000, Deduct</i>	-0.40
		<i>For &gt;35,000 To 50,000, Deduct</i>	-0.59
		<i>For &gt;50,000 To 70,000, Deduct</i>	-0.78
		<i>For &gt;70,000, Deduct</i>	-0.97
03 31 13 00-0010	SF	5" 3,000 PSI Slab On Grade Concrete Slabs Assembly .....	8.39
		<i>For 2,000 PSI Concrete, Deduct</i>	-0.25
		<i>For 2,500 PSI Concrete, Deduct</i>	-0.13
		<i>For 3,500 PSI Concrete, Add</i>	0.09
		<i>For 4,000 PSI Concrete, Add</i>	0.29
		<i>For Reinforcing Rods Are At 18" On Center, Deduct</i>	-0.13
		<i>For Reinforcing Rods Are At 24" On Center, Deduct</i>	-0.40
		<i>For Up To 500, Add</i>	3.16
		<i>For &gt;500 To 1,000, Add</i>	2.19
		<i>For &gt;1,000 To 2,000, Add</i>	1.21
		<i>For &gt;2,000 To 5,000, Add</i>	0.61
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.23
		<i>For &gt;20,000 To 35,000, Deduct</i>	-0.44
		<i>For &gt;35,000 To 50,000, Deduct</i>	-0.65
		<i>For &gt;50,000 To 70,000, Deduct</i>	-0.86
		<i>For &gt;70,000, Deduct</i>	-1.07
03 31 13 00-0011	SF	6" 3,000 PSI Slab On Grade Concrete Slabs Assembly .....	9.43
		<i>For 2,000 PSI Concrete, Deduct</i>	-0.30
		<i>For 2,500 PSI Concrete, Deduct</i>	-0.15
		<i>For 3,500 PSI Concrete, Add</i>	0.10
		<i>For 4,000 PSI Concrete, Add</i>	0.34
		<i>For Reinforcing Rods Are At 18" On Center, Deduct</i>	-0.13
		<i>For Reinforcing Rods Are At 24" On Center, Deduct</i>	-0.40
		<i>For Up To 500, Add</i>	3.47
		<i>For &gt;500 To 1,000, Add</i>	2.40
		<i>For &gt;1,000 To 2,000, Add</i>	1.34
		<i>For &gt;2,000 To 5,000, Add</i>	0.67
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.27
		<i>For &gt;20,000 To 35,000, Deduct</i>	-0.51
		<i>For &gt;35,000 To 50,000, Deduct</i>	-0.75
		<i>For &gt;50,000 To 70,000, Deduct</i>	-0.98
		<i>For &gt;70,000, Deduct</i>	-1.22
03 31 13 00-0012	SF	7" 3,000 PSI Slab On Grade Concrete Slabs Assembly .....	10.41
		<i>For 2,000 PSI Concrete, Deduct</i>	-0.34
		<i>For 2,500 PSI Concrete, Deduct</i>	-0.17
		<i>For 3,500 PSI Concrete, Add</i>	0.12
		<i>For 4,000 PSI Concrete, Add</i>	0.40
		<i>For Reinforcing Rods Are At 18" On Center, Deduct</i>	-0.13
		<i>For Reinforcing Rods Are At 24" On Center, Deduct</i>	-0.40
		<i>For Up To 500, Add</i>	3.73
		<i>For &gt;500 To 1,000, Add</i>	2.59
		<i>For &gt;1,000 To 2,000, Add</i>	1.45
		<i>For &gt;2,000 To 5,000, Add</i>	0.73
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.31
		<i>For &gt;20,000 To 35,000, Deduct</i>	-0.57
		<i>For &gt;35,000 To 50,000, Deduct</i>	-0.84
		<i>For &gt;50,000 To 70,000, Deduct</i>	-1.10
		<i>For &gt;70,000, Deduct</i>	-1.36

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

03 31 13 00-0013	SF		8" 3,000 PSI Slab On Grade Concrete Slabs Assembly .....	11.26	
			For 2,000 PSI Concrete, Deduct	-0.38	
			For 2,500 PSI Concrete, Deduct	-0.19	
			For 3,500 PSI Concrete, Add	0.13	
			For 4,000 PSI Concrete, Add	0.44	
			For Reinforcing Rods Are At 18" On Center, Deduct	-0.13	
			For Reinforcing Rods Are At 24" On Center, Deduct	-0.40	
			For Up To 500, Add	3.97	
			For >500 To 1,000, Add	2.76	
			For >1,000 To 2,000, Add	1.56	
			For >2,000 To 5,000, Add	0.78	
			For >10,000 To 20,000, Deduct	-0.35	
			For >20,000 To 35,000, Deduct	-0.63	
			For >35,000 To 50,000, Deduct	-0.91	
			For >50,000 To 70,000, Deduct	-1.19	
			For >70,000, Deduct	-1.47	
03 31 13 00-0014	SF		10" 3,000 PSI Slab On Grade Concrete Slabs Assembly .....	13.41	
			For 2,000 PSI Concrete, Deduct	-0.48	
			For 2,500 PSI Concrete, Deduct	-0.24	
			For 3,500 PSI Concrete, Add	0.17	
			For 4,000 PSI Concrete, Add	0.55	
			For Reinforcing Rods Are At 18" On Center, Deduct	-0.13	
			For Reinforcing Rods Are At 24" On Center, Deduct	-0.40	
			For Up To 500, Add	4.53	
			For >500 To 1,000, Add	3.16	
			For >1,000 To 2,000, Add	1.80	
			For >2,000 To 5,000, Add	0.90	
			For >10,000 To 20,000, Deduct	-0.44	
			For >20,000 To 35,000, Deduct	-0.78	
			For >35,000 To 50,000, Deduct	-1.11	
			For >50,000 To 70,000, Deduct	-1.45	
			For >70,000, Deduct	-1.78	
03 31 13 00-0015	SF		12" 3,000 PSI Slab On Grade Concrete Slabs Assembly .....	15.08	
			For 2,000 PSI Concrete, Deduct	-0.55	
			For 2,500 PSI Concrete, Deduct	-0.27	
			For 3,500 PSI Concrete, Add	0.19	
			For 4,000 PSI Concrete, Add	0.64	
			For Reinforcing Rods Are At 18" On Center, Deduct	-0.13	
			For Reinforcing Rods Are At 24" On Center, Deduct	-0.40	
			For Up To 500, Add	4.99	
			For >500 To 1,000, Add	3.50	
			For >1,000 To 2,000, Add	2.00	
			For >2,000 To 5,000, Add	1.00	
			For >10,000 To 20,000, Deduct	-0.51	
			For >20,000 To 35,000, Deduct	-0.88	
			For >35,000 To 50,000, Deduct	-1.26	
			For >50,000 To 70,000, Deduct	-1.64	
			For >70,000, Deduct	-2.02	
03 31 13 00-0016			<b>Concrete Delivery And Placement</b> <small>(03 31 13)</small>		
			Note: Includes cleaning out equipment and standard concrete placement tests. See CSI section 01 45 23 00-0000 for additional tests, 03 05 13 00-0001 for admixtures.		
03 31 13 00-0017			<b>Place Concrete By Method Indicated</b> <small>(03 31 13 00-0016)</small>		
			Note: Tasks for concrete placement "By Concrete Pump" exclude the pumping equipment. See CSI section 03 37 16 00-0001 for concrete pumping equipment.		
03 31 13 00-0018			<b>Place Concrete Pile Caps</b> <small>(03 31 13 00-0017)</small>		
03 31 13 00-0019	CY		Crane And Bucket, Place 3,000 PSI Concrete Pile Caps .....	287.61	
			For 2,000 PSI Concrete, Deduct	-9.17	
			For 2,500 PSI Concrete, Deduct	-4.58	
			For 3,500 PSI Concrete, Add	8.49	
			For 3,750 PSI Concrete, Add	11.54	
			For 4,000 PSI Concrete, Add	14.60	
			For 4,500 PSI Concrete, Add	16.98	
			For 5,000 PSI Concrete, Add	19.35	
			For 6,000 PSI Concrete, Add	45.83	
			For 7,500 PSI Concrete, Add	113.82	
			For White Cement Concrete, Add	20.37	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	22.07	
			For High Early Strength, Type 3 ASTM C150, Add	16.98	
			For Lightweight Aggregate, ASTM C330, Add	50.93	
			For Up To 20, Add	47.14	
			For >20 To 50, Add	17.68	
			For >100 To 200, Deduct	-5.75	
			For >200 To 400, Deduct	-11.50	
			For >400, Deduct	-17.26	

**03 Concrete**  
**03 30 Cast-In-Place Concrete**  
**03 31 Structural Concrete**

MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

03 31 13 00-0020	CY	Direct Chute, Place 3,000 PSI Concrete Pile Caps.....	221.22	
		<i>For 2,000 PSI Concrete, Deduct</i>	-9.17	
		<i>For 2,500 PSI Concrete, Deduct</i>	-4.58	
		<i>For 3,500 PSI Concrete, Add</i>	8.49	
		<i>For 3,750 PSI Concrete, Add</i>	11.54	
		<i>For 4,000 PSI Concrete, Add</i>	14.60	
		<i>For 4,500 PSI Concrete, Add</i>	16.98	
		<i>For 5,000 PSI Concrete, Add</i>	19.35	
		<i>For 6,000 PSI Concrete, Add</i>	45.83	
		<i>For 7,500 PSI Concrete, Add</i>	113.82	
		<i>For White Cement Concrete, Add</i>	20.37	
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	22.07	
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	16.98	
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	50.93	
		<i>For Up To 20, Add</i>	20.59	
		<i>For &gt;20 To 50, Add</i>	7.72	
		<i>For &gt;100 To 200, Deduct</i>	-4.42	
		<i>For &gt;200 To 400, Deduct</i>	-8.85	
		<i>For &gt;400, Deduct</i>	-13.27	
03 31 13 00-0021	CY	Concrete Pump, Place 3,000 PSI Concrete Pile Caps.....	232.91	
		Note: Excludes pumping equipment.		
		<i>For 2,000 PSI Concrete, Deduct</i>	-9.93	
		<i>For 2,500 PSI Concrete, Deduct</i>	-4.97	
		<i>For 3,500 PSI Concrete, Add</i>	9.19	
		<i>For 3,750 PSI Concrete, Add</i>	12.50	
		<i>For 4,000 PSI Concrete, Add</i>	15.81	
		<i>For 4,500 PSI Concrete, Add</i>	18.39	
		<i>For 5,000 PSI Concrete, Add</i>	20.96	
		<i>For 6,000 PSI Concrete, Add</i>	49.65	
		<i>For 7,500 PSI Concrete, Add</i>	123.30	
		<i>For White Cement Concrete, Add</i>	22.07	
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	23.91	
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	18.39	
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	55.17	
		<i>For Up To 20, Add</i>	19.61	
		<i>For &gt;20 To 50, Add</i>	7.35	
		<i>For &gt;100 To 200, Deduct</i>	-4.66	
		<i>For &gt;200 To 400, Deduct</i>	-9.32	
		<i>For &gt;400, Deduct</i>	-13.97	
03 31 13 00-0022		Place Concrete Continuous Footings <small>(03 31 13 00-0017)</small>		
03 31 13 00-0023	CY	Crane And Bucket, Place 3,000 PSI Concrete Continuous Footings.....	274.52	
		<i>For 2,000 PSI Concrete, Deduct</i>	-9.17	
		<i>For 2,500 PSI Concrete, Deduct</i>	-4.58	
		<i>For 3,500 PSI Concrete, Add</i>	8.49	
		<i>For 3,750 PSI Concrete, Add</i>	11.54	
		<i>For 4,000 PSI Concrete, Add</i>	14.60	
		<i>For 4,500 PSI Concrete, Add</i>	16.98	
		<i>For 5,000 PSI Concrete, Add</i>	19.35	
		<i>For 6,000 PSI Concrete, Add</i>	45.83	
		<i>For 7,500 PSI Concrete, Add</i>	113.82	
		<i>For White Cement Concrete, Add</i>	20.37	
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	22.07	
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	16.98	
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	50.93	
		<i>For Up To 20, Add</i>	41.91	
		<i>For &gt;20 To 50, Add</i>	15.72	
		<i>For &gt;100 To 200, Deduct</i>	-5.49	
		<i>For &gt;200 To 400, Deduct</i>	-10.98	
		<i>For &gt;400, Deduct</i>	-16.47	
03 31 13 00-0024	CY	Direct Chute, Place 3,000 PSI Concrete Continuous Footings.....	215.49	
		<i>For 2,000 PSI Concrete, Deduct</i>	-9.17	
		<i>For 2,500 PSI Concrete, Deduct</i>	-4.58	
		<i>For 3,500 PSI Concrete, Add</i>	8.49	
		<i>For 3,750 PSI Concrete, Add</i>	11.54	
		<i>For 4,000 PSI Concrete, Add</i>	14.60	
		<i>For 4,500 PSI Concrete, Add</i>	16.97	
		<i>For 5,000 PSI Concrete, Add</i>	19.35	
		<i>For 6,000 PSI Concrete, Add</i>	45.83	
		<i>For 7,500 PSI Concrete, Add</i>	113.81	
		<i>For White Cement Concrete, Add</i>	20.37	
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	22.07	
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	16.97	
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	50.92	
		<i>For Up To 20, Add</i>	18.30	
		<i>For &gt;20 To 50, Add</i>	6.86	
		<i>For &gt;100 To 200, Deduct</i>	-4.31	
		<i>For &gt;200 To 400, Deduct</i>	-8.62	
		<i>For &gt;400, Deduct</i>	-12.93	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 31 13 00-0025	CY	Concrete Pump, Place 3,000 PSI Concrete Continuous Footings.....			227.46	
		Note: Excludes pumping equipment.				
		For 2,000 PSI Concrete, Deduct			-9.93	
		For 2,500 PSI Concrete, Deduct			-4.97	
		For 3,500 PSI Concrete, Add			9.19	
		For 3,750 PSI Concrete, Add			12.50	
		For 4,000 PSI Concrete, Add			15.81	
		For 4,500 PSI Concrete, Add			18.39	
		For 5,000 PSI Concrete, Add			20.96	
		For 6,000 PSI Concrete, Add			49.65	
		For 7,500 PSI Concrete, Add			123.30	
		For White Cement Concrete, Add			22.07	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add			23.91	
		For High Early Strength, Type 3 ASTM C150, Add			18.39	
		For Lightweight Aggregate, ASTM C330, Add			55.17	
		For Up To 20, Add			17.43	
		For >20 To 50, Add			6.54	
		For >100 To 200, Deduct			-4.55	
		For >200 To 400, Deduct			-9.10	
		For >400, Deduct			-13.65	

**03 31 13 00-0026 Place Concrete Spread Footings** (03 31 13 00-0017)

03 31 13 00-0027	CY	Crane And Bucket, Place 3,000 PSI Concrete Spread Footings .....			346.54	
		For 2,000 PSI Concrete, Deduct			-9.17	
		For 2,500 PSI Concrete, Deduct			-4.58	
		For 3,500 PSI Concrete, Add			8.49	
		For 3,750 PSI Concrete, Add			11.54	
		For 4,000 PSI Concrete, Add			14.60	
		For 4,500 PSI Concrete, Add			16.97	
		For 5,000 PSI Concrete, Add			19.35	
		For 6,000 PSI Concrete, Add			45.83	
		For 7,500 PSI Concrete, Add			113.81	
		For White Cement Concrete, Add			20.37	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add			22.07	
		For High Early Strength, Type 3 ASTM C150, Add			16.97	
		For Lightweight Aggregate, ASTM C330, Add			50.92	
		For Up To 20, Add			70.72	
		For >20 To 50, Add			26.52	
		For >100 To 200, Deduct			-6.93	
		For >200 To 400, Deduct			-13.86	
		For >400, Deduct			-20.79	

03 31 13 00-0028	CY	Direct Chute, Place 3,000 PSI Concrete Spread Footings .....			246.94	
		For 2,000 PSI Concrete, Deduct			-9.17	
		For 2,500 PSI Concrete, Deduct			-4.58	
		For 3,500 PSI Concrete, Add			8.49	
		For 3,750 PSI Concrete, Add			11.54	
		For 4,000 PSI Concrete, Add			14.60	
		For 4,500 PSI Concrete, Add			16.97	
		For 5,000 PSI Concrete, Add			19.35	
		For 6,000 PSI Concrete, Add			45.83	
		For 7,500 PSI Concrete, Add			113.81	
		For White Cement Concrete, Add			20.37	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add			22.07	
		For High Early Strength, Type 3 ASTM C150, Add			16.97	
		For Lightweight Aggregate, ASTM C330, Add			50.92	
		For Up To 20, Add			30.88	
		For >20 To 50, Add			11.58	
		For >100 To 200, Deduct			-4.94	
		For >200 To 400, Deduct			-9.88	
		For >400, Deduct			-14.82	

03 31 13 00-0029	CY	Concrete Pump, Place 3,000 PSI Concrete Spread Footings .....			257.42	
		Note: Excludes pumping equipment.				
		For 2,000 PSI Concrete, Deduct			-9.93	
		For 2,500 PSI Concrete, Deduct			-4.97	
		For 3,500 PSI Concrete, Add			9.19	
		For 3,750 PSI Concrete, Add			12.50	
		For 4,000 PSI Concrete, Add			15.81	
		For 4,500 PSI Concrete, Add			18.39	
		For 5,000 PSI Concrete, Add			20.96	
		For 6,000 PSI Concrete, Add			49.65	
		For 7,500 PSI Concrete, Add			123.30	
		For White Cement Concrete, Add			22.07	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add			23.91	
		For High Early Strength, Type 3 ASTM C150, Add			18.39	
		For Lightweight Aggregate, ASTM C330, Add			55.17	
		For Up To 20, Add			29.41	
		For >20 To 50, Add			11.03	
		For >100 To 200, Deduct			-5.15	
		For >200 To 400, Deduct			-10.30	
		For >400, Deduct			-15.45	

**03 31 13 00-0030 Place Concrete Mat Foundation** (03 31 13 00-0017)

**03 Concrete**  
**03 30 Cast-In-Place Concrete**  
**03 31 Structural Concrete**

MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

03 31 13 00-0031	CY	Crane And Bucket, Place 3,000 PSI Concrete Mat Foundation .....	201.17	
		For 2,000 PSI Concrete, Deduct	-9.17	
		For 2,500 PSI Concrete, Deduct	-4.58	
		For 3,500 PSI Concrete, Add	8.49	
		For 3,750 PSI Concrete, Add	11.54	
		For 4,000 PSI Concrete, Add	14.60	
		For 4,500 PSI Concrete, Add	16.97	
		For 5,000 PSI Concrete, Add	19.35	
		For 6,000 PSI Concrete, Add	45.83	
		For 7,500 PSI Concrete, Add	113.81	
		For White Cement Concrete, Add	20.37	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	22.07	
		For High Early Strength, Type 3 ASTM C150, Add	16.97	
		For Lightweight Aggregate, ASTM C330, Add	50.92	
		For Up To 20, Add	12.57	
		For >20 To 50, Add	4.71	
		For >100 To 200, Deduct	-4.02	
		For >200 To 400, Deduct	-8.05	
		For >400, Deduct	-12.07	
03 31 13 00-0032	CY	Direct Chute, Place 3,000 PSI Concrete Mat Foundation .....	183.47	
		For 2,000 PSI Concrete, Deduct	-9.17	
		For 2,500 PSI Concrete, Deduct	-4.58	
		For 3,500 PSI Concrete, Add	8.49	
		For 3,750 PSI Concrete, Add	11.54	
		For 4,000 PSI Concrete, Add	14.60	
		For 4,500 PSI Concrete, Add	16.97	
		For 5,000 PSI Concrete, Add	19.35	
		For 6,000 PSI Concrete, Add	45.83	
		For 7,500 PSI Concrete, Add	113.81	
		For White Cement Concrete, Add	20.37	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	22.07	
		For High Early Strength, Type 3 ASTM C150, Add	16.97	
		For Lightweight Aggregate, ASTM C330, Add	50.92	
		For Up To 20, Add	5.49	
		For >20 To 50, Add	2.06	
		For >100 To 200, Deduct	-3.67	
		For >200 To 400, Deduct	-7.34	
		For >400, Deduct	-11.01	
03 31 13 00-0033	CY	Concrete Pump, Place 3,000 PSI Concrete Mat Foundation .....	195.33	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	-9.93	
		For 2,500 PSI Concrete, Deduct	-4.97	
		For 3,500 PSI Concrete, Add	9.19	
		For 3,750 PSI Concrete, Add	12.50	
		For 4,000 PSI Concrete, Add	15.81	
		For 4,500 PSI Concrete, Add	18.39	
		For 5,000 PSI Concrete, Add	20.96	
		For 6,000 PSI Concrete, Add	49.65	
		For 7,500 PSI Concrete, Add	123.30	
		For White Cement Concrete, Add	22.07	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.91	
		For High Early Strength, Type 3 ASTM C150, Add	18.39	
		For Lightweight Aggregate, ASTM C330, Add	55.17	
		For Up To 20, Add	4.58	
		For >20 To 50, Add	1.72	
		For >100 To 200, Deduct	-3.91	
		For >200 To 400, Deduct	-7.81	
		For >400, Deduct	-11.72	

**03 31 13 00-0034 Place Concrete Grade Beams** (03 31 13 00-0017)

03 31 13 00-0035	CY	Crane And Bucket, Place 3,000 PSI Concrete Grade Beams .....	253.56	
		For 2,000 PSI Concrete, Deduct	-9.17	
		For 2,500 PSI Concrete, Deduct	-4.58	
		For 3,500 PSI Concrete, Add	8.49	
		For 3,750 PSI Concrete, Add	11.54	
		For 4,000 PSI Concrete, Add	14.60	
		For 4,500 PSI Concrete, Add	16.98	
		For 5,000 PSI Concrete, Add	19.35	
		For 6,000 PSI Concrete, Add	45.83	
		For 7,500 PSI Concrete, Add	113.82	
		For White Cement Concrete, Add	20.37	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	22.07	
		For High Early Strength, Type 3 ASTM C150, Add	16.98	
		For Lightweight Aggregate, ASTM C330, Add	50.93	
		For Up To 20, Add	33.52	
		For >20 To 50, Add	12.57	
		For >100 To 200, Deduct	-5.07	
		For >200 To 400, Deduct	-10.14	
		For >400, Deduct	-15.21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 31 13 00-0036	CY	Direct Chute, Place 3,000 PSI Concrete Grade Beams.....		206.34	
		<i>For 2,000 PSI Concrete, Deduct</i>		-9.17	
		<i>For 2,500 PSI Concrete, Deduct</i>		-4.58	
		<i>For 3,500 PSI Concrete, Add</i>		8.49	
		<i>For 3,750 PSI Concrete, Add</i>		11.54	
		<i>For 4,000 PSI Concrete, Add</i>		14.60	
		<i>For 4,500 PSI Concrete, Add</i>		16.97	
		<i>For 5,000 PSI Concrete, Add</i>		19.35	
		<i>For 6,000 PSI Concrete, Add</i>		45.83	
		<i>For 7,500 PSI Concrete, Add</i>		113.81	
		<i>For White Cement Concrete, Add</i>		20.37	
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>		22.07	
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>		16.97	
		<i>For Lightweight Aggregate, ASTM C330, Add</i>		50.92	
		<i>For Up To 20, Add</i>		14.64	
		<i>For &gt;20 To 50, Add</i>		5.49	
		<i>For &gt;100 To 200, Deduct</i>		-4.13	
		<i>For &gt;200 To 400, Deduct</i>		-8.25	
		<i>For &gt;400, Deduct</i>		-12.38	
03 31 13 00-0037	CY	Concrete Pump, Place 3,000 PSI Concrete Grade Beams.....		218.75	
		Note: Excludes pumping equipment.			
		<i>For 2,000 PSI Concrete, Deduct</i>		-9.93	
		<i>For 2,500 PSI Concrete, Deduct</i>		-4.97	
		<i>For 3,500 PSI Concrete, Add</i>		9.19	
		<i>For 3,750 PSI Concrete, Add</i>		12.50	
		<i>For 4,000 PSI Concrete, Add</i>		15.81	
		<i>For 4,500 PSI Concrete, Add</i>		18.39	
		<i>For 5,000 PSI Concrete, Add</i>		20.96	
		<i>For 6,000 PSI Concrete, Add</i>		49.65	
		<i>For 7,500 PSI Concrete, Add</i>		123.30	
		<i>For White Cement Concrete, Add</i>		22.07	
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>		23.91	
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>		18.39	
		<i>For Lightweight Aggregate, ASTM C330, Add</i>		55.17	
		<i>For Up To 20, Add</i>		13.94	
		<i>For &gt;20 To 50, Add</i>		5.23	
		<i>For &gt;100 To 200, Deduct</i>		-4.38	
		<i>For &gt;200 To 400, Deduct</i>		-8.75	
		<i>For &gt;400, Deduct</i>		-13.13	

**03 31 13 00-0038 Place Concrete Slab On Grade** (03 31 13 00-0017)

03 31 13 00-0039	CY	Up To 6", By Crane And Bucket, Place 3,000 PSI Concrete Slab On Grade.....		255.52	
		<i>For 2,000 PSI Concrete, Deduct</i>		-9.17	
		<i>For 2,500 PSI Concrete, Deduct</i>		-4.58	
		<i>For 3,500 PSI Concrete, Add</i>		8.49	
		<i>For 3,750 PSI Concrete, Add</i>		11.54	
		<i>For 4,000 PSI Concrete, Add</i>		14.60	
		<i>For 4,500 PSI Concrete, Add</i>		16.97	
		<i>For 5,000 PSI Concrete, Add</i>		19.35	
		<i>For 6,000 PSI Concrete, Add</i>		45.83	
		<i>For 7,500 PSI Concrete, Add</i>		113.81	
		<i>For White Cement Concrete, Add</i>		20.37	
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>		22.07	
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>		16.97	
		<i>For Lightweight Aggregate, ASTM C330, Add</i>		50.92	
		<i>For Up To 20, Add</i>		34.31	
		<i>For &gt;20 To 50, Add</i>		12.87	
		<i>For &gt;100 To 200, Deduct</i>		-5.11	
		<i>For &gt;200 To 400, Deduct</i>		-10.22	
		<i>For &gt;400, Deduct</i>		-15.33	
03 31 13 00-0040	CY	>6", By Crane And Bucket, Place 3,000 PSI Concrete Slab On Grade .....		234.84	
		<i>For 2,000 PSI Concrete, Deduct</i>		-9.17	
		<i>For 2,500 PSI Concrete, Deduct</i>		-4.58	
		<i>For 3,500 PSI Concrete, Add</i>		8.49	
		<i>For 3,750 PSI Concrete, Add</i>		11.54	
		<i>For 4,000 PSI Concrete, Add</i>		14.60	
		<i>For 4,500 PSI Concrete, Add</i>		16.97	
		<i>For 5,000 PSI Concrete, Add</i>		19.35	
		<i>For 6,000 PSI Concrete, Add</i>		45.83	
		<i>For 7,500 PSI Concrete, Add</i>		113.81	
		<i>For White Cement Concrete, Add</i>		20.37	
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>		22.07	
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>		16.97	
		<i>For Lightweight Aggregate, ASTM C330, Add</i>		50.92	
		<i>For Up To 20, Add</i>		26.04	
		<i>For &gt;20 To 50, Add</i>		9.77	
		<i>For &gt;100 To 200, Deduct</i>		-4.70	
		<i>For &gt;200 To 400, Deduct</i>		-9.39	
		<i>For &gt;400, Deduct</i>		-14.09	

**03 Concrete****03 30 Cast-In-Place Concrete****03 31 Structural Concrete**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 31 13 00-0041	CY	Up To 6", By Direct Chute, Place 3,000 PSI Concrete Slab On Grade.....	207.20	
		<i>For 2,000 PSI Concrete, Deduct</i>	-9.17	
		<i>For 2,500 PSI Concrete, Deduct</i>	-4.58	
		<i>For 3,500 PSI Concrete, Add</i>	8.49	
		<i>For 3,750 PSI Concrete, Add</i>	11.54	
		<i>For 4,000 PSI Concrete, Add</i>	14.60	
		<i>For 4,500 PSI Concrete, Add</i>	16.97	
		<i>For 5,000 PSI Concrete, Add</i>	19.35	
		<i>For 6,000 PSI Concrete, Add</i>	45.83	
		<i>For 7,500 PSI Concrete, Add</i>	113.81	
		<i>For White Cement Concrete, Add</i>	20.37	
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	22.07	
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	16.97	
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	50.92	
		<i>For Up To 20, Add</i>	14.98	
		<i>For &gt;20 To 50, Add</i>	5.62	
		<i>For &gt;100 To 200, Deduct</i>	-4.14	
		<i>For &gt;200 To 400, Deduct</i>	-8.29	
		<i>For &gt;400, Deduct</i>	-12.43	
03 31 13 00-0042	CY	>6", By Direct Chute, Place 3,000 PSI Concrete Slab On Grade.....	198.16	
		<i>For 2,000 PSI Concrete, Deduct</i>	-9.17	
		<i>For 2,500 PSI Concrete, Deduct</i>	-4.58	
		<i>For 3,500 PSI Concrete, Add</i>	8.49	
		<i>For 3,750 PSI Concrete, Add</i>	11.54	
		<i>For 4,000 PSI Concrete, Add</i>	14.60	
		<i>For 4,500 PSI Concrete, Add</i>	16.97	
		<i>For 5,000 PSI Concrete, Add</i>	19.35	
		<i>For 6,000 PSI Concrete, Add</i>	45.83	
		<i>For 7,500 PSI Concrete, Add</i>	113.81	
		<i>For White Cement Concrete, Add</i>	20.37	
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	22.07	
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	16.97	
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	50.92	
		<i>For Up To 20, Add</i>	11.37	
		<i>For &gt;20 To 50, Add</i>	4.26	
		<i>For &gt;100 To 200, Deduct</i>	-3.96	
		<i>For &gt;200 To 400, Deduct</i>	-7.93	
		<i>For &gt;400, Deduct</i>	-11.89	
03 31 13 00-0043	CY	Up To 6", By Concrete Pump, Place 3,000 PSI Concrete Slab On Grade.....	215.11	
		Note: Excludes pumping equipment.		
		<i>For 2,000 PSI Concrete, Deduct</i>	-9.93	
		<i>For 2,500 PSI Concrete, Deduct</i>	-4.97	
		<i>For 3,500 PSI Concrete, Add</i>	9.19	
		<i>For 3,750 PSI Concrete, Add</i>	12.50	
		<i>For 4,000 PSI Concrete, Add</i>	15.81	
		<i>For 4,500 PSI Concrete, Add</i>	18.39	
		<i>For 5,000 PSI Concrete, Add</i>	20.96	
		<i>For 6,000 PSI Concrete, Add</i>	49.65	
		<i>For 7,500 PSI Concrete, Add</i>	123.30	
		<i>For White Cement Concrete, Add</i>	22.07	
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	23.91	
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	18.39	
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	55.17	
		<i>For Up To 20, Add</i>	12.49	
		<i>For &gt;20 To 50, Add</i>	4.68	
		<i>For &gt;100 To 200, Deduct</i>	-4.30	
		<i>For &gt;200 To 400, Deduct</i>	-8.60	
		<i>For &gt;400, Deduct</i>	-12.91	
03 31 13 00-0044	CY	>6", By Concrete Pump, Place 3,000 PSI Concrete Slab On Grade.....	207.57	
		Note: Excludes pumping equipment.		
		<i>For 2,000 PSI Concrete, Deduct</i>	-9.93	
		<i>For 2,500 PSI Concrete, Deduct</i>	-4.97	
		<i>For 3,500 PSI Concrete, Add</i>	9.19	
		<i>For 3,750 PSI Concrete, Add</i>	12.50	
		<i>For 4,000 PSI Concrete, Add</i>	15.81	
		<i>For 4,500 PSI Concrete, Add</i>	18.39	
		<i>For 5,000 PSI Concrete, Add</i>	20.96	
		<i>For 6,000 PSI Concrete, Add</i>	49.65	
		<i>For 7,500 PSI Concrete, Add</i>	123.30	
		<i>For White Cement Concrete, Add</i>	22.07	
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	23.91	
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	18.39	
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	55.17	
		<i>For Up To 20, Add</i>	9.47	
		<i>For &gt;20 To 50, Add</i>	3.55	
		<i>For &gt;100 To 200, Deduct</i>	-4.15	
		<i>For &gt;200 To 400, Deduct</i>	-8.30	
		<i>For &gt;400, Deduct</i>	-12.45	

03 31 13 00-0045 Place Concrete Duct Bank (03 31 13 00-0017)



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 31 13 00-0046	CY	Direct Chute, Place 3,000 PSI Concrete Duct Bank .....	200.74	
		For 2,000 PSI Concrete, Deduct	-9.17	
		For 2,500 PSI Concrete, Deduct	-4.58	
		For 3,500 PSI Concrete, Add	8.49	
		For 3,750 PSI Concrete, Add	11.54	
		For 4,000 PSI Concrete, Add	14.60	
		For 4,500 PSI Concrete, Add	16.97	
		For 5,000 PSI Concrete, Add	19.35	
		For 6,000 PSI Concrete, Add	45.83	
		For 7,500 PSI Concrete, Add	113.81	
		For White Cement Concrete, Add	20.37	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	22.07	
		For High Early Strength, Type 3 ASTM C150, Add	16.97	
		For Lightweight Aggregate, ASTM C330, Add	50.92	
		For Up To 20, Add	12.40	
		For >20 To 50, Add	4.65	
		For >100 To 200, Deduct	-4.01	
		For >200 To 400, Deduct	-8.03	
		For >400, Deduct	-12.04	
03 31 13 00-0047		Place Concrete Stairs (03 31 13 00-0017) .....	555.72	
03 31 13 00-0048	CY	Crane And Bucket, Place 3,000 PSI On Grade Concrete Stairs .....	555.72	
		For 2,000 PSI Concrete, Deduct	-9.17	
		For 2,500 PSI Concrete, Deduct	-4.58	
		For 3,500 PSI Concrete, Add	8.49	
		For 3,750 PSI Concrete, Add	11.54	
		For 4,000 PSI Concrete, Add	14.60	
		For 4,500 PSI Concrete, Add	16.98	
		For 5,000 PSI Concrete, Add	19.35	
		For 6,000 PSI Concrete, Add	45.83	
		For 7,500 PSI Concrete, Add	113.82	
		For White Cement Concrete, Add	20.37	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	22.07	
		For High Early Strength, Type 3 ASTM C150, Add	16.98	
		For Lightweight Aggregate, ASTM C330, Add	50.93	
		For Up To 20, Add	154.39	
		For >20 To 50, Add	57.90	
		For >100 To 200, Deduct	-11.11	
		For >200 To 400, Deduct	-22.23	
		For >400, Deduct	-33.34	
03 31 13 00-0049	CY	Direct Chute, Place 3,000 PSI On Grade Concrete Stairs .....	338.32	
		For 2,000 PSI Concrete, Deduct	-9.17	
		For 2,500 PSI Concrete, Deduct	-4.58	
		For 3,500 PSI Concrete, Add	8.49	
		For 3,750 PSI Concrete, Add	11.54	
		For 4,000 PSI Concrete, Add	14.60	
		For 4,500 PSI Concrete, Add	16.97	
		For 5,000 PSI Concrete, Add	19.35	
		For 6,000 PSI Concrete, Add	45.83	
		For 7,500 PSI Concrete, Add	113.81	
		For White Cement Concrete, Add	20.37	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	22.07	
		For High Early Strength, Type 3 ASTM C150, Add	16.97	
		For Lightweight Aggregate, ASTM C330, Add	50.92	
		For Up To 20, Add	67.43	
		For >20 To 50, Add	25.29	
		For >100 To 200, Deduct	-6.77	
		For >200 To 400, Deduct	-13.53	
		For >400, Deduct	-20.30	
03 31 13 00-0050	CY	Concrete Pump, Place 3,000 PSI On Grade Concrete Stairs .....	324.38	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	-9.93	
		For 2,500 PSI Concrete, Deduct	-4.97	
		For 3,500 PSI Concrete, Add	9.19	
		For 3,750 PSI Concrete, Add	12.50	
		For 4,000 PSI Concrete, Add	15.81	
		For 4,500 PSI Concrete, Add	18.39	
		For 5,000 PSI Concrete, Add	20.96	
		For 6,000 PSI Concrete, Add	49.65	
		For 7,500 PSI Concrete, Add	123.30	
		For White Cement Concrete, Add	22.07	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.91	
		For High Early Strength, Type 3 ASTM C150, Add	18.39	
		For Lightweight Aggregate, ASTM C330, Add	55.17	
		For Up To 20, Add	56.20	
		For >20 To 50, Add	21.07	
		For >100 To 200, Deduct	-6.49	
		For >200 To 400, Deduct	-12.98	
		For >400, Deduct	-19.46	
03 31 13 00-0051		Place Concrete Superstructure By Method Indicated (03 31 13 00-0016)		
		See CSI section 03 37 16 00-0001 for concrete pump truck.		
03 31 13 00-0052		Place Elevated Concrete Beams (03 31 13 00-0051)		

**03 Concrete****03 30 Cast-In-Place Concrete****03 31 Structural Concrete**
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 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

03 31 13 00-0053	CY	Crane And Bucket, Place 3,000 PSI Elevated Concrete Beams.....	379.28	
		For 2,000 PSI Concrete, Deduct	-9.17	
		For 2,500 PSI Concrete, Deduct	-4.58	
		For 3,500 PSI Concrete, Add	8.49	
		For 3,750 PSI Concrete, Add	11.54	
		For 4,000 PSI Concrete, Add	14.60	
		For 4,500 PSI Concrete, Add	16.97	
		For 5,000 PSI Concrete, Add	19.35	
		For 6,000 PSI Concrete, Add	45.83	
		For 7,500 PSI Concrete, Add	113.81	
		For White Cement Concrete, Add	20.37	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	22.07	
		For High Early Strength, Type 3 ASTM C150, Add	16.97	
		For Lightweight Aggregate, ASTM C330, Add	50.92	
		For Up To 20, Add	83.82	
		For >20 To 50, Add	31.43	
		For >100 To 200, Deduct	-7.59	
		For >200 To 400, Deduct	-15.17	
		For >400, Deduct	-22.76	
03 31 13 00-0054	CY	Concrete Pump, Place 3,000 PSI Elevated Concrete Beams.....	271.03	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	-9.93	
		For 2,500 PSI Concrete, Deduct	-4.97	
		For 3,500 PSI Concrete, Add	9.19	
		For 3,750 PSI Concrete, Add	12.50	
		For 4,000 PSI Concrete, Add	15.81	
		For 4,500 PSI Concrete, Add	18.39	
		For 5,000 PSI Concrete, Add	20.96	
		For 6,000 PSI Concrete, Add	49.65	
		For 7,500 PSI Concrete, Add	123.30	
		For White Cement Concrete, Add	22.07	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.91	
		For High Early Strength, Type 3 ASTM C150, Add	18.39	
		For Lightweight Aggregate, ASTM C330, Add	55.17	
		For Up To 20, Add	34.86	
		For >20 To 50, Add	13.07	
		For >100 To 200, Deduct	-5.42	
		For >200 To 400, Deduct	-10.84	
		For >400, Deduct	-16.26	
03 31 13 00-0055		<b>Place Elevated Concrete Slab</b> <small>(03 31 13 00-0051)</small>		
03 31 13 00-0056	CY	Up To 6", By Crane And Bucket, Place 3,000 PSI Elevated Concrete Slab.....	268.39	
		For 2,000 PSI Concrete, Deduct	-9.17	
		For 2,500 PSI Concrete, Deduct	-4.58	
		For 3,500 PSI Concrete, Add	8.49	
		For 3,750 PSI Concrete, Add	11.54	
		For 4,000 PSI Concrete, Add	14.60	
		For 4,500 PSI Concrete, Add	16.97	
		For 5,000 PSI Concrete, Add	19.35	
		For 6,000 PSI Concrete, Add	45.83	
		For 7,500 PSI Concrete, Add	113.81	
		For White Cement Concrete, Add	20.37	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	22.07	
		For High Early Strength, Type 3 ASTM C150, Add	16.97	
		For Lightweight Aggregate, ASTM C330, Add	50.92	
		For Up To 20, Add	39.46	
		For >20 To 50, Add	14.80	
		For >100 To 200, Deduct	-5.37	
		For >200 To 400, Deduct	-10.74	
		For >400, Deduct	-16.10	
03 31 13 00-0057	CY	>6", By Crane And Bucket, Place 3,000 PSI Elevated Concrete Slab.....	244.58	
		For 2,000 PSI Concrete, Deduct	-9.17	
		For 2,500 PSI Concrete, Deduct	-4.58	
		For 3,500 PSI Concrete, Add	8.49	
		For 3,750 PSI Concrete, Add	11.54	
		For 4,000 PSI Concrete, Add	14.60	
		For 4,500 PSI Concrete, Add	16.97	
		For 5,000 PSI Concrete, Add	19.35	
		For 6,000 PSI Concrete, Add	45.83	
		For 7,500 PSI Concrete, Add	113.81	
		For White Cement Concrete, Add	20.37	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	22.07	
		For High Early Strength, Type 3 ASTM C150, Add	16.97	
		For Lightweight Aggregate, ASTM C330, Add	50.92	
		For Up To 20, Add	29.94	
		For >20 To 50, Add	11.23	
		For >100 To 200, Deduct	-4.89	
		For >200 To 400, Deduct	-9.78	
		For >400, Deduct	-14.67	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 31 13 00-0058	CY			Up To 6", By Concrete Pump, Place 3,000 PSI Elevated Concrete Slab.....	224.92	
				Note: Excludes pumping equipment.		
				For 2,000 PSI Concrete, Deduct	-9.93	
				For 2,500 PSI Concrete, Deduct	-4.97	
				For 3,500 PSI Concrete, Add	9.19	
				For 3,750 PSI Concrete, Add	12.50	
				For 4,000 PSI Concrete, Add	15.81	
				For 4,500 PSI Concrete, Add	18.39	
				For 5,000 PSI Concrete, Add	20.96	
				For 6,000 PSI Concrete, Add	49.65	
				For 7,500 PSI Concrete, Add	123.30	
				For White Cement Concrete, Add	22.07	
				For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.91	
				For High Early Strength, Type 3 ASTM C150, Add	18.39	
				For Lightweight Aggregate, ASTM C330, Add	55.17	
				For Up To 20, Add	16.41	
				For >20 To 50, Add	6.15	
				For >100 To 200, Deduct	-4.50	
				For >200 To 400, Deduct	-9.00	
				For >400, Deduct	-13.50	
03 31 13 00-0059	CY			>6", By Concrete Pump, Place 3,000 PSI Elevated Concrete Slab .....	215.02	
				Note: Excludes pumping equipment.		
				For 2,000 PSI Concrete, Deduct	-9.93	
				For 2,500 PSI Concrete, Deduct	-4.97	
				For 3,500 PSI Concrete, Add	9.19	
				For 3,750 PSI Concrete, Add	12.50	
				For 4,000 PSI Concrete, Add	15.81	
				For 4,500 PSI Concrete, Add	18.39	
				For 5,000 PSI Concrete, Add	20.96	
				For 6,000 PSI Concrete, Add	49.65	
				For 7,500 PSI Concrete, Add	123.30	
				For White Cement Concrete, Add	22.07	
				For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.91	
				For High Early Strength, Type 3 ASTM C150, Add	18.39	
				For Lightweight Aggregate, ASTM C330, Add	55.17	
				For Up To 20, Add	12.45	
				For >20 To 50, Add	4.67	
				For >100 To 200, Deduct	-4.30	
				For >200 To 400, Deduct	-8.60	
				For >400, Deduct	-12.90	

**03 31 13 00-0060 Place Concrete Columns (03 31 13 00-0051)**

03 31 13 00-0061	CY			12" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns .....	396.05	
				For 2,000 PSI Concrete, Deduct	-9.17	
				For 2,500 PSI Concrete, Deduct	-4.58	
				For 3,500 PSI Concrete, Add	8.49	
				For 3,750 PSI Concrete, Add	11.54	
				For 4,000 PSI Concrete, Add	14.60	
				For 4,500 PSI Concrete, Add	16.98	
				For 5,000 PSI Concrete, Add	19.35	
				For 6,000 PSI Concrete, Add	45.83	
				For 7,500 PSI Concrete, Add	113.82	
				For White Cement Concrete, Add	20.37	
				For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	22.07	
				For High Early Strength, Type 3 ASTM C150, Add	16.98	
				For Lightweight Aggregate, ASTM C330, Add	50.93	
				For Up To 20, Add	90.52	
				For >20 To 50, Add	33.95	
				For >100 To 200, Deduct	-7.92	
				For >200 To 400, Deduct	-15.84	
				For >400, Deduct	-23.76	
03 31 13 00-0062	CY			18" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns .....	334.23	
				For 2,000 PSI Concrete, Deduct	-9.17	
				For 2,500 PSI Concrete, Deduct	-4.58	
				For 3,500 PSI Concrete, Add	8.49	
				For 3,750 PSI Concrete, Add	11.54	
				For 4,000 PSI Concrete, Add	14.60	
				For 4,500 PSI Concrete, Add	16.97	
				For 5,000 PSI Concrete, Add	19.35	
				For 6,000 PSI Concrete, Add	45.83	
				For 7,500 PSI Concrete, Add	113.81	
				For White Cement Concrete, Add	20.37	
				For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	22.07	
				For High Early Strength, Type 3 ASTM C150, Add	16.97	
				For Lightweight Aggregate, ASTM C330, Add	50.92	
				For Up To 20, Add	65.80	
				For >20 To 50, Add	24.67	
				For >100 To 200, Deduct	-6.68	
				For >200 To 400, Deduct	-13.37	
				For >400, Deduct	-20.05	

**03 Concrete**  
**03 30 Cast-In-Place Concrete**  
**03 31 Structural Concrete**

MINOR  
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TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

03 31 13 00-0063	CY	24" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns .....	290.01	
		For 2,000 PSI Concrete, Deduct	-9.17	
		For 2,500 PSI Concrete, Deduct	-4.58	
		For 3,500 PSI Concrete, Add	8.49	
		For 3,750 PSI Concrete, Add	11.54	
		For 4,000 PSI Concrete, Add	14.60	
		For 4,500 PSI Concrete, Add	16.97	
		For 5,000 PSI Concrete, Add	19.35	
		For 6,000 PSI Concrete, Add	45.83	
		For 7,500 PSI Concrete, Add	113.81	
		For White Cement Concrete, Add	20.37	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	22.07	
		For High Early Strength, Type 3 ASTM C150, Add	16.97	
		For Lightweight Aggregate, ASTM C330, Add	50.92	
		For Up To 20, Add	48.11	
		For >20 To 50, Add	18.04	
		For >100 To 200, Deduct	-5.80	
		For >200 To 400, Deduct	-11.60	
		For >400, Deduct	-17.40	
03 31 13 00-0064	CY	36" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns .....	270.33	
		For 2,000 PSI Concrete, Deduct	-9.17	
		For 2,500 PSI Concrete, Deduct	-4.58	
		For 3,500 PSI Concrete, Add	8.49	
		For 3,750 PSI Concrete, Add	11.54	
		For 4,000 PSI Concrete, Add	14.60	
		For 4,500 PSI Concrete, Add	16.98	
		For 5,000 PSI Concrete, Add	19.35	
		For 6,000 PSI Concrete, Add	45.83	
		For 7,500 PSI Concrete, Add	113.82	
		For White Cement Concrete, Add	20.37	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	22.07	
		For High Early Strength, Type 3 ASTM C150, Add	16.98	
		For Lightweight Aggregate, ASTM C330, Add	50.93	
		For Up To 20, Add	40.23	
		For >20 To 50, Add	15.09	
		For >100 To 200, Deduct	-5.41	
		For >200 To 400, Deduct	-10.81	
		For >400, Deduct	-16.22	
03 31 13 00-0065	CY	12" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns .....	278.01	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	-9.93	
		For 2,500 PSI Concrete, Deduct	-4.97	
		For 3,500 PSI Concrete, Add	9.19	
		For 3,750 PSI Concrete, Add	12.50	
		For 4,000 PSI Concrete, Add	15.81	
		For 4,500 PSI Concrete, Add	18.39	
		For 5,000 PSI Concrete, Add	20.96	
		For 6,000 PSI Concrete, Add	49.65	
		For 7,500 PSI Concrete, Add	123.30	
		For White Cement Concrete, Add	22.07	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.91	
		For High Early Strength, Type 3 ASTM C150, Add	18.39	
		For Lightweight Aggregate, ASTM C330, Add	55.17	
		For Up To 20, Add	37.65	
		For >20 To 50, Add	14.12	
		For >100 To 200, Deduct	-5.56	
		For >200 To 400, Deduct	-11.12	
		For >400, Deduct	-16.68	
03 31 13 00-0066	CY	18" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns .....	252.30	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	-9.93	
		For 2,500 PSI Concrete, Deduct	-4.97	
		For 3,500 PSI Concrete, Add	9.19	
		For 3,750 PSI Concrete, Add	12.50	
		For 4,000 PSI Concrete, Add	15.81	
		For 4,500 PSI Concrete, Add	18.39	
		For 5,000 PSI Concrete, Add	20.96	
		For 6,000 PSI Concrete, Add	49.65	
		For 7,500 PSI Concrete, Add	123.30	
		For White Cement Concrete, Add	22.07	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.91	
		For High Early Strength, Type 3 ASTM C150, Add	18.39	
		For Lightweight Aggregate, ASTM C330, Add	55.17	
		For Up To 20, Add	27.36	
		For >20 To 50, Add	10.26	
		For >100 To 200, Deduct	-5.05	
		For >200 To 400, Deduct	-10.09	
		For >400, Deduct	-15.14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 31 13 00-0067	CY	24" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns .....		233.91	
		Note: Excludes pumping equipment.			
		For 2,000 PSI Concrete, Deduct		-9.93	
		For 2,500 PSI Concrete, Deduct		-4.97	
		For 3,500 PSI Concrete, Add		9.19	
		For 3,750 PSI Concrete, Add		12.50	
		For 4,000 PSI Concrete, Add		15.81	
		For 4,500 PSI Concrete, Add		18.39	
		For 5,000 PSI Concrete, Add		20.96	
		For 6,000 PSI Concrete, Add		49.65	
		For 7,500 PSI Concrete, Add		123.30	
		For White Cement Concrete, Add		22.07	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add		23.91	
		For High Early Strength, Type 3 ASTM C150, Add		18.39	
		For Lightweight Aggregate, ASTM C330, Add		55.17	
		For Up To 20, Add		20.01	
		For >20 To 50, Add		7.50	
		For >100 To 200, Deduct		-4.68	
		For >200 To 400, Deduct		-9.36	
		For >400, Deduct		-14.03	
03 31 13 00-0068	CY	36" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns .....		225.71	
		Note: Excludes pumping equipment.			
		For 2,000 PSI Concrete, Deduct		-9.93	
		For 2,500 PSI Concrete, Deduct		-4.97	
		For 3,500 PSI Concrete, Add		9.19	
		For 3,750 PSI Concrete, Add		12.50	
		For 4,000 PSI Concrete, Add		15.81	
		For 4,500 PSI Concrete, Add		18.39	
		For 5,000 PSI Concrete, Add		20.96	
		For 6,000 PSI Concrete, Add		49.65	
		For 7,500 PSI Concrete, Add		123.30	
		For White Cement Concrete, Add		22.07	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add		23.91	
		For High Early Strength, Type 3 ASTM C150, Add		18.39	
		For Lightweight Aggregate, ASTM C330, Add		55.17	
		For Up To 20, Add		16.73	
		For >20 To 50, Add		6.27	
		For >100 To 200, Deduct		-4.51	
		For >200 To 400, Deduct		-9.03	
		For >400, Deduct		-13.54	

**03 31 13 00-0069 Place Concrete Walls** (03 31 13 00-0051)

03 31 13 00-0070	CY	Up To 8" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls .....		381.90	
		For 2,000 PSI Concrete, Deduct		-9.17	
		For 2,500 PSI Concrete, Deduct		-4.58	
		For 3,500 PSI Concrete, Add		8.49	
		For 3,750 PSI Concrete, Add		11.54	
		For 4,000 PSI Concrete, Add		14.60	
		For 4,500 PSI Concrete, Add		16.97	
		For 5,000 PSI Concrete, Add		19.35	
		For 6,000 PSI Concrete, Add		45.83	
		For 7,500 PSI Concrete, Add		113.81	
		For White Cement Concrete, Add		20.37	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add		22.07	
		For High Early Strength, Type 3 ASTM C150, Add		16.97	
		For Lightweight Aggregate, ASTM C330, Add		50.92	
		For Up To 20, Add		84.86	
		For >20 To 50, Add		31.82	
		For >100 To 200, Deduct		-7.64	
		For >200 To 400, Deduct		-15.28	
		For >400, Deduct		-22.91	
03 31 13 00-0071	CY	12" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls .....		364.31	
		For 2,000 PSI Concrete, Deduct		-9.17	
		For 2,500 PSI Concrete, Deduct		-4.58	
		For 3,500 PSI Concrete, Add		8.49	
		For 3,750 PSI Concrete, Add		11.54	
		For 4,000 PSI Concrete, Add		14.60	
		For 4,500 PSI Concrete, Add		16.97	
		For 5,000 PSI Concrete, Add		19.35	
		For 6,000 PSI Concrete, Add		45.83	
		For 7,500 PSI Concrete, Add		113.81	
		For White Cement Concrete, Add		20.37	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add		22.07	
		For High Early Strength, Type 3 ASTM C150, Add		16.97	
		For Lightweight Aggregate, ASTM C330, Add		50.92	
		For Up To 20, Add		77.83	
		For >20 To 50, Add		29.19	
		For >100 To 200, Deduct		-7.29	
		For >200 To 400, Deduct		-14.57	
		For >400, Deduct		-21.86	

**03 Concrete**  
**03 30 Cast-In-Place Concrete**  
**03 31 Structural Concrete**

MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

03 31 13 00-0072	CY	15" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls.....	318.25	
		<i>For 2,000 PSI Concrete, Deduct</i>	-9.17	
		<i>For 2,500 PSI Concrete, Deduct</i>	-4.58	
		<i>For 3,500 PSI Concrete, Add</i>	8.49	
		<i>For 3,750 PSI Concrete, Add</i>	11.54	
		<i>For 4,000 PSI Concrete, Add</i>	14.60	
		<i>For 4,500 PSI Concrete, Add</i>	16.97	
		<i>For 5,000 PSI Concrete, Add</i>	19.35	
		<i>For 6,000 PSI Concrete, Add</i>	45.83	
		<i>For 7,500 PSI Concrete, Add</i>	113.81	
		<i>For White Cement Concrete, Add</i>	20.37	
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	22.07	
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	16.97	
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	50.92	
		<i>For Up To 20, Add</i>	59.40	
		<i>For &gt;20 To 50, Add</i>	22.28	
		<i>For &gt;100 To 200, Deduct</i>	-6.37	
		<i>For &gt;200 To 400, Deduct</i>	-12.73	
		<i>For &gt;400, Deduct</i>	-19.10	
03 31 13 00-0073	CY	Up To 8" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls .....	262.39	
		<i>For 2,000 PSI Concrete, Deduct</i>	-9.17	
		<i>For 2,500 PSI Concrete, Deduct</i>	-4.58	
		<i>For 3,500 PSI Concrete, Add</i>	8.49	
		<i>For 3,750 PSI Concrete, Add</i>	11.54	
		<i>For 4,000 PSI Concrete, Add</i>	14.60	
		<i>For 4,500 PSI Concrete, Add</i>	16.97	
		<i>For 5,000 PSI Concrete, Add</i>	19.35	
		<i>For 6,000 PSI Concrete, Add</i>	45.83	
		<i>For 7,500 PSI Concrete, Add</i>	113.81	
		<i>For White Cement Concrete, Add</i>	20.37	
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	22.07	
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	16.97	
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	50.92	
		<i>For Up To 20, Add</i>	37.06	
		<i>For &gt;20 To 50, Add</i>	13.90	
		<i>For &gt;100 To 200, Deduct</i>	-5.25	
		<i>For &gt;200 To 400, Deduct</i>	-10.50	
		<i>For &gt;400, Deduct</i>	-15.74	
03 31 13 00-0074	CY	12" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls .....	243.86	
		<i>For 2,000 PSI Concrete, Deduct</i>	-9.17	
		<i>For 2,500 PSI Concrete, Deduct</i>	-4.58	
		<i>For 3,500 PSI Concrete, Add</i>	8.49	
		<i>For 3,750 PSI Concrete, Add</i>	11.54	
		<i>For 4,000 PSI Concrete, Add</i>	14.60	
		<i>For 4,500 PSI Concrete, Add</i>	16.97	
		<i>For 5,000 PSI Concrete, Add</i>	19.35	
		<i>For 6,000 PSI Concrete, Add</i>	45.83	
		<i>For 7,500 PSI Concrete, Add</i>	113.81	
		<i>For White Cement Concrete, Add</i>	20.37	
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	22.07	
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	16.97	
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	50.92	
		<i>For Up To 20, Add</i>	29.65	
		<i>For &gt;20 To 50, Add</i>	11.12	
		<i>For &gt;100 To 200, Deduct</i>	-4.88	
		<i>For &gt;200 To 400, Deduct</i>	-9.75	
		<i>For &gt;400, Deduct</i>	-14.63	
03 31 13 00-0075	CY	15" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls .....	234.59	
		<i>For 2,000 PSI Concrete, Deduct</i>	-9.17	
		<i>For 2,500 PSI Concrete, Deduct</i>	-4.58	
		<i>For 3,500 PSI Concrete, Add</i>	8.49	
		<i>For 3,750 PSI Concrete, Add</i>	11.54	
		<i>For 4,000 PSI Concrete, Add</i>	14.60	
		<i>For 4,500 PSI Concrete, Add</i>	16.97	
		<i>For 5,000 PSI Concrete, Add</i>	19.35	
		<i>For 6,000 PSI Concrete, Add</i>	45.83	
		<i>For 7,500 PSI Concrete, Add</i>	113.81	
		<i>For White Cement Concrete, Add</i>	20.37	
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	22.07	
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	16.97	
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	50.92	
		<i>For Up To 20, Add</i>	25.94	
		<i>For &gt;20 To 50, Add</i>	9.73	
		<i>For &gt;100 To 200, Deduct</i>	-4.69	
		<i>For &gt;200 To 400, Deduct</i>	-9.38	
		<i>For &gt;400, Deduct</i>	-14.08	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
					UNIT COST	UNIT COST

03 31 13 00-0076	CY			Up To 8" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls .....272.12		
				Note: Excludes pumping equipment.		
				For 2,000 PSI Concrete, Deduct		-9.93
				For 2,500 PSI Concrete, Deduct		-4.97
				For 3,500 PSI Concrete, Add		9.19
				For 3,750 PSI Concrete, Add		12.50
				For 4,000 PSI Concrete, Add		15.81
				For 4,500 PSI Concrete, Add		18.39
				For 5,000 PSI Concrete, Add		20.96
				For 6,000 PSI Concrete, Add		49.65
				For 7,500 PSI Concrete, Add		123.30
				For White Cement Concrete, Add		22.07
				For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add		23.91
				For High Early Strength, Type 3 ASTM C150, Add		18.39
				For Lightweight Aggregate, ASTM C330, Add		55.17
				For Up To 20, Add		35.29
				For >20 To 50, Add		13.23
				For >100 To 200, Deduct		-5.44
				For >200 To 400, Deduct		-10.88
				For >400, Deduct		-16.33
03 31 13 00-0077	CY			12" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls .....254.47		
				Note: Excludes pumping equipment.		
				For 2,000 PSI Concrete, Deduct		-9.93
				For 2,500 PSI Concrete, Deduct		-4.97
				For 3,500 PSI Concrete, Add		9.19
				For 3,750 PSI Concrete, Add		12.50
				For 4,000 PSI Concrete, Add		15.81
				For 4,500 PSI Concrete, Add		18.39
				For 5,000 PSI Concrete, Add		20.96
				For 6,000 PSI Concrete, Add		49.65
				For 7,500 PSI Concrete, Add		123.30
				For White Cement Concrete, Add		22.07
				For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add		23.91
				For High Early Strength, Type 3 ASTM C150, Add		18.39
				For Lightweight Aggregate, ASTM C330, Add		55.17
				For Up To 20, Add		28.23
				For >20 To 50, Add		10.59
				For >100 To 200, Deduct		-5.09
				For >200 To 400, Deduct		-10.18
				For >400, Deduct		-15.27
03 31 13 00-0078	CY			15" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls .....245.65		
				Note: Excludes pumping equipment.		
				For 2,000 PSI Concrete, Deduct		-9.93
				For 2,500 PSI Concrete, Deduct		-4.97
				For 3,500 PSI Concrete, Add		9.19
				For 3,750 PSI Concrete, Add		12.50
				For 4,000 PSI Concrete, Add		15.81
				For 4,500 PSI Concrete, Add		18.39
				For 5,000 PSI Concrete, Add		20.96
				For 6,000 PSI Concrete, Add		49.65
				For 7,500 PSI Concrete, Add		123.30
				For White Cement Concrete, Add		22.07
				For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add		23.91
				For High Early Strength, Type 3 ASTM C150, Add		18.39
				For Lightweight Aggregate, ASTM C330, Add		55.17
				For Up To 20, Add		24.70
				For >20 To 50, Add		9.26
				For >100 To 200, Deduct		-4.91
				For >200 To 400, Deduct		-9.83
				For >400, Deduct		-14.74

**03 31 13 00-0079 Place Elevated Concrete Stairs** (03 31 13 00-0051)

03 31 13 00-0080	CY			Crane And Bucket, Place 3,000 PSI Elevated Concrete Stairs .....598.65		
				For 2,000 PSI Concrete, Deduct		-9.17
				For 2,500 PSI Concrete, Deduct		-4.58
				For 3,500 PSI Concrete, Add		8.49
				For 3,750 PSI Concrete, Add		11.54
				For 4,000 PSI Concrete, Add		14.60
				For 4,500 PSI Concrete, Add		16.97
				For 5,000 PSI Concrete, Add		19.35
				For 6,000 PSI Concrete, Add		45.83
				For 7,500 PSI Concrete, Add		113.81
				For White Cement Concrete, Add		20.37
				For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add		22.07
				For High Early Strength, Type 3 ASTM C150, Add		16.97
				For Lightweight Aggregate, ASTM C330, Add		50.92
				For Up To 20, Add		171.56
				For >20 To 50, Add		64.34
				For >100 To 200, Deduct		-11.97
				For >200 To 400, Deduct		-23.95
				For >400, Deduct		-35.92

**03 Concrete****03 30 Cast-In-Place Concrete****03 31 Structural Concrete**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

03 31 13 00-0081	CY	Direct Chute, Place 3,000 PSI Elevated Concrete Stairs.....	357.04	
		For 2,000 PSI Concrete, Deduct	-9.17	
		For 2,500 PSI Concrete, Deduct	-4.58	
		For 3,500 PSI Concrete, Add	8.49	
		For 3,750 PSI Concrete, Add	11.54	
		For 4,000 PSI Concrete, Add	14.60	
		For 4,500 PSI Concrete, Add	16.98	
		For 5,000 PSI Concrete, Add	19.35	
		For 6,000 PSI Concrete, Add	45.83	
		For 7,500 PSI Concrete, Add	113.82	
		For White Cement Concrete, Add	20.37	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	22.07	
		For High Early Strength, Type 3 ASTM C150, Add	16.98	
		For Lightweight Aggregate, ASTM C330, Add	50.93	
		For Up To 20, Add	74.92	
		For >20 To 50, Add	28.09	
		For >100 To 200, Deduct	-7.14	
		For >200 To 400, Deduct	-14.28	
		For >400, Deduct	-21.42	
03 31 13 00-0082	CY	Concrete Pump, Place 3,000 PSI Elevated Concrete Stairs.....	339.97	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	-9.93	
		For 2,500 PSI Concrete, Deduct	-4.97	
		For 3,500 PSI Concrete, Add	9.19	
		For 3,750 PSI Concrete, Add	12.50	
		For 4,000 PSI Concrete, Add	15.81	
		For 4,500 PSI Concrete, Add	18.39	
		For 5,000 PSI Concrete, Add	20.96	
		For 6,000 PSI Concrete, Add	49.65	
		For 7,500 PSI Concrete, Add	123.30	
		For White Cement Concrete, Add	22.07	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.91	
		For High Early Strength, Type 3 ASTM C150, Add	18.39	
		For Lightweight Aggregate, ASTM C330, Add	55.17	
		For Up To 20, Add	62.43	
		For >20 To 50, Add	23.41	
		For >100 To 200, Deduct	-6.80	
		For >200 To 400, Deduct	-13.60	
		For >400, Deduct	-20.40	
03 31 13 00-0083		Place Concrete Coping <small>(03 31 13 00-0051)</small>		
03 31 13 00-0084	CY	Crane And Bucket, Place 3,000 PSI Concrete Coping .....	613.49	
		For 2,000 PSI Concrete, Deduct	-9.17	
		For 2,500 PSI Concrete, Deduct	-4.58	
		For 3,500 PSI Concrete, Add	8.49	
		For 3,750 PSI Concrete, Add	11.54	
		For 4,000 PSI Concrete, Add	14.60	
		For 4,500 PSI Concrete, Add	16.98	
		For 5,000 PSI Concrete, Add	19.35	
		For 6,000 PSI Concrete, Add	45.83	
		For 7,500 PSI Concrete, Add	113.82	
		For White Cement Concrete, Add	20.37	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	22.07	
		For High Early Strength, Type 3 ASTM C150, Add	16.98	
		For Lightweight Aggregate, ASTM C330, Add	50.93	
		For Up To 20, Add	177.50	
		For >20 To 50, Add	66.56	
		For >100 To 200, Deduct	-12.27	
		For >200 To 400, Deduct	-24.54	
		For >400, Deduct	-36.81	
03 31 13 00-0085	CY	Direct Chute, Place 3,000 PSI Concrete Coping .....	355.79	
		For 2,000 PSI Concrete, Deduct	-9.17	
		For 2,500 PSI Concrete, Deduct	-4.58	
		For 3,500 PSI Concrete, Add	8.49	
		For 3,750 PSI Concrete, Add	11.54	
		For 4,000 PSI Concrete, Add	14.60	
		For 4,500 PSI Concrete, Add	16.98	
		For 5,000 PSI Concrete, Add	19.35	
		For 6,000 PSI Concrete, Add	45.83	
		For 7,500 PSI Concrete, Add	113.82	
		For White Cement Concrete, Add	20.37	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	22.07	
		For High Early Strength, Type 3 ASTM C150, Add	16.98	
		For Lightweight Aggregate, ASTM C330, Add	50.93	
		For Up To 20, Add	74.42	
		For >20 To 50, Add	27.91	
		For >100 To 200, Deduct	-7.12	
		For >200 To 400, Deduct	-14.23	
		For >400, Deduct	-21.35	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 31 13 00-0086	CY	Concrete Pump, Place 3,000 PSI Concrete Coping .....	465.67		
		Note: Excludes pumping equipment.			
		For 2,000 PSI Concrete, Deduct	-9.93		
		For 2,500 PSI Concrete, Deduct	-4.97		
		For 3,500 PSI Concrete, Add	9.19		
		For 3,750 PSI Concrete, Add	12.50		
		For 4,000 PSI Concrete, Add	15.81		
		For 4,500 PSI Concrete, Add	18.39		
		For 5,000 PSI Concrete, Add	20.96		
		For 6,000 PSI Concrete, Add	49.65		
		For 7,500 PSI Concrete, Add	123.30		
		For White Cement Concrete, Add	22.07		
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.91		
		For High Early Strength, Type 3 ASTM C150, Add	18.39		
		For Lightweight Aggregate, ASTM C330, Add	55.17		
		For Up To 20, Add	112.71		
		For >20 To 50, Add	42.27		
		For >100 To 200, Deduct	-9.31		
		For >200 To 400, Deduct	-18.63		
		For >400, Deduct	-27.94		

**03 31 13 00-0087 Concrete Carts** (03 31 13 00-0016)

		Note: Used to place concrete were necessary.			
03 31 13 00-0088	CY	50' Haul, Non Motorized, Concrete Buggy .....	22.22		
03 31 13 00-0089	CY	150' Haul, Non Motorized, Concrete Buggy .....	29.75		
03 31 13 00-0090	CY	250' Haul, Non Motorized, Concrete Buggy .....	39.68		
03 31 13 00-0091	CY	50' Haul, Motorized, Concrete Buggy .....	10.09		
03 31 13 00-0092	CY	150' Haul, Motorized, Concrete Buggy .....	13.53		
03 31 13 00-0093	CY	250' Haul, Motorized, Concrete Buggy .....	18.05		

**03 31 13 00-0094 Delivery Fee For Small Concrete Purchases (Short Load)** (03 31 13)

03 31 13 00-0095	CY	Delivery Fee For Small Concrete Purchases (Short Load) Per CY For Each CY Less Than 9 CY .....	26.84		
		Note: The task quantity is 9 minus the number of CY's delivered. For example, the delivery fee for 2CY's is: (9-2) = 7.			

**03 31 13 00-0096 Delivery Fee For Concrete, Per Truck Load** (03 31 13)

03 31 13 00-0097	EA	Concrete Delivery Fee, Per Truck .....	40.00		
		Note: To be added to all concrete leaving concrete yard			

**03 31 16 Lightweight Structural Concrete** (03 31)
**03 31 16 00-0001 Low Density Cellular / Foam Concrete Fill** (03 31 16)

03 31 16 00-0002	CY	Lightweight Low Density Cellular/Foam Concrete, 100 To 120 PCF Density Range .....	265.75		
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**03 35 Concrete Finishing** (03 30)
**03 35 13 High-Tolerance Concrete Floor Finishing** (03 35)
**03 35 13 00-0001 Floor Finishes** (03 35 13)

		Note: Task is for final finish type and includes all required prior finishes.			
03 35 13 00-0002	SF	Screed, Concrete Floor Finish .....	0.96		
		For Up To 100, Add	1.92		
		For >100 To 250, Add	0.48		
		For >250 To 500, Add	0.24		
		For >5,000 To 10,000, Deduct	-0.05		
		For >10,000, Deduct	-0.10		
03 35 13 00-0003	SF	Darby, Concrete Floor Finish .....	1.15		
		For Up To 100, Add	2.30		
		For >100 To 250, Add	0.58		
		For >250 To 500, Add	0.29		
		For >5,000 To 10,000, Deduct	-0.06		
		For >10,000, Deduct	-0.12		
03 35 13 00-0004	SF	Broom, Concrete Floor Finish .....	1.26		
		For Up To 100, Add	2.52		
		For >100 To 250, Add	0.63		
		For >250 To 500, Add	0.32		
		For >5,000 To 10,000, Deduct	-0.06		
		For >10,000, Deduct	-0.13		
03 35 13 00-0005	SF	Final Float, Concrete Floor Finish .....	1.47		
		For Up To 100, Add	2.94		
		For >100 To 250, Add	0.74		
		For >250 To 500, Add	0.37		
		For >5,000 To 10,000, Deduct	-0.07		
		For >10,000, Deduct	-0.15		
03 35 13 00-0006	SF	Steel Trowel, Concrete Floor Finish .....	1.66		
		For Up To 100, Add	3.32		
		For >100 To 250, Add	0.83		
		For >250 To 500, Add	0.42		
		For >5,000 To 10,000, Deduct	-0.08		
		For >10,000, Deduct	-0.17		

**03 35 16 Heavy-Duty Concrete Floor Finishing** (03 35)

**03 Concrete**  
**03 30 Cast-In-Place Concrete**  
**03 35 Concrete Finishing**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 35 16 00-0001	Shake On Floor Hardeners <sup>(03 35 16)</sup>		
03 35 16 00-0002	SF 0.3 LB/SF, Metallic, Shake On Floor Hardener .....	1.21	
03 35 16 00-0003	SF 0.65 LB/SF, Metallic, Shake On Floor Hardener .....	1.86	
03 35 16 00-0004	SF 0.3 LB/SF, Non Metallic, Shake On Floor Hardener .....	1.14	
03 35 16 00-0005	SF 0.65 LB/SF, Non Metallic, Shake On Floor Hardener .....	1.39	
<b>03 35 19</b>	<b>Colored Concrete Finishing <sup>(03 35)</sup></b>		
03 35 19 00-0001	Concrete Surface Treatments <sup>(03 35 19)</sup>		
03 35 19 00-0002	SF Acrylic Latex Bonding Agent .....	0.48	
03 35 19 00-0003	SF Epoxy Resin Bonding Agent .....	2.76	
03 35 19 00-0004	SF Clear Acrylic Sealer, Hardener And Dustproof .....	0.33	
03 35 19 00-0005	SF Colored Acrylic Sealer, Hardener And Dustproof .....	0.35	
<b>03 35 23</b>	<b>Exposed Aggregate Concrete Finishing <sup>(03 35)</sup></b>		
03 35 23 00-0001	Exposed Aggregate, Concrete Finish <sup>(03 35 23)</sup>		
03 35 23 00-0002	SF Exposed Aggregate, Concrete Floor Finish .....	3.13	
<b>03 35 26</b>	<b>Grooved Concrete Surface Finishing <sup>(03 35)</sup></b>		
03 35 26 00-0001	Ramp, Grooved Concrete Surface Finishing <sup>(03 35 26)</sup>		
03 35 26 00-0002	SF Ramp, Grooved Concrete Surface Finishing .....	4.29	
<b>03 35 29</b>	<b>Tooled Concrete Finishing <sup>(03 35)</sup></b>		
03 35 29 00-0001	Solid Board Concrete Finish <sup>(03 35 29)</sup>		
03 35 29 00-0002	SF Solid Board Concrete, Non Uniform Finish, 1 Use, Add To Formwork .....	15.84	
03 35 29 00-0003	Marblecrete Finishes <sup>(03 35 29)</sup>		
03 35 29 00-0004	SF 2" Thick Marblecrete And Finish .....	40.76	
03 35 29 00-0005	SF 4" Thick Marblecrete And Finish .....	54.64	
<b>03 35 33</b>	<b>Stamped Concrete Finishing <sup>(03 35)</sup></b>		
03 35 33 00-0001	Stamped Concrete Finishes <sup>(03 35 33)</sup>		
03 35 33 00-0002	SF Up To 2,500 SF Stamped Concrete Finish .....	3.81	
03 35 33 00-0003	SF >2,500 To 10,000 SF Stamped Concrete Finish .....	3.45	
03 35 33 00-0004	SF >10,000 SF Stamped Concrete Finish .....	3.30	
<b>03 35 43</b>	<b>Polished Concrete Finishing <sup>(03 35)</sup></b>		
03 35 43 00-0001	Concrete Floor Polishing System <sup>(03 35 43)</sup>		
	Note: The floor polishing system below may consist of one or multiple applications of each task/step below depending on existing conditions and desired results.		
03 35 43 00-0002	SF Mechanically Grind Concrete Floor With 40 Grit Metal Bonded Diamond Wheels .....	1.80	
	For Up To 500, Add	3.41	
	For >500 To 1,000, Add	3.17	
	For >1,000 To 2,500, Add	2.09	
	For >2,500 To 4,000, Add	1.09	
	For >8,000 To 15,000, Deduct	-0.42	
	For >15,000 To 25,000, Deduct	-0.54	
	For >25,000, Deduct	-0.76	
03 35 43 00-0003	SF Mechanically Grind Concrete Floor With 80 Grit Metal Bonded Diamond Wheels .....	1.45	
	For Up To 500, Add	2.74	
	For >500 To 1,000, Add	2.54	
	For >1,000 To 2,500, Add	1.68	
	For >2,500 To 4,000, Add	0.87	
	For >8,000 To 15,000, Deduct	-0.34	
	For >15,000 To 25,000, Deduct	-0.43	
	For >25,000, Deduct	-0.61	
03 35 43 00-0004	SF Mechanically Grind Concrete Floor With 100 Grit Resin Bonded Diamond Wheels .....	1.22	
	For Up To 500, Add	2.29	
	For >500 To 1,000, Add	2.12	
	For >1,000 To 2,500, Add	1.40	
	For >2,500 To 4,000, Add	0.73	
	For >8,000 To 15,000, Deduct	-0.28	
	For >15,000 To 25,000, Deduct	-0.36	
	For >25,000, Deduct	-0.51	
03 35 43 00-0005	SF Mechanically Grind Concrete Floor With 150 Grit Metal Bonded Diamond Wheels .....	1.13	
	For Up To 500, Add	2.11	
	For >500 To 1,000, Add	1.96	
	For >1,000 To 2,500, Add	1.30	
	For >2,500 To 4,000, Add	0.68	
	For >8,000 To 15,000, Deduct	-0.26	
	For >15,000 To 25,000, Deduct	-0.33	
	For >25,000, Deduct	-0.47	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 35 43 00-0006	SF	Mechanically Grind Concrete Floor With 200 Grit Resin Bonded Diamond Wheels .....	1.05		
		For Up To 500, Add	1.96		
		For >500 To 1,000, Add	1.82		
		For >1,000 To 2,500, Add	1.20		
		For >2,500 To 4,000, Add	0.63		
		For >8,000 To 15,000, Deduct	-0.24		
		For >15,000 To 25,000, Deduct	-0.31		
		For >25,000, Deduct	-0.43		
03 35 43 00-0007	SF	Mechanically Grind Concrete Floor With 400 Grit Resin Bonded Diamond Wheels .....	1.05		
		For Up To 500, Add	1.96		
		For >500 To 1,000, Add	1.82		
		For >1,000 To 2,500, Add	1.20		
		For >2,500 To 4,000, Add	0.63		
		For >8,000 To 15,000, Deduct	-0.24		
		For >15,000 To 25,000, Deduct	-0.31		
		For >25,000, Deduct	-0.43		
03 35 43 00-0008	SF	Mechanically Grind Concrete Floor With 800 Grit Resin Bonded Diamond Wheels .....	1.05		
		For Up To 500, Add	1.96		
		For >500 To 1,000, Add	1.82		
		For >1,000 To 2,500, Add	1.20		
		For >2,500 To 4,000, Add	0.63		
		For >8,000 To 15,000, Deduct	-0.24		
		For >15,000 To 25,000, Deduct	-0.31		
		For >25,000, Deduct	-0.43		
03 35 43 00-0009	SF	Mechanically Grind Concrete Floor With 1,500 Grit Resin Bonded Diamond Wheels .....	1.05		
		For Up To 500, Add	1.96		
		For >500 To 1,000, Add	1.82		
		For >1,000 To 2,500, Add	1.20		
		For >2,500 To 4,000, Add	0.63		
		For >8,000 To 15,000, Deduct	-0.24		
		For >15,000 To 25,000, Deduct	-0.31		
		For >25,000, Deduct	-0.43		
03 35 43 00-0010	SF	High Speed Burnish Concrete Floor With Diamond Pads.....	0.26		
		For Up To 500, Add	0.43		
		For >500 To 1,000, Add	0.40		
		For >1,000 To 2,500, Add	0.26		
		For >2,500 To 4,000, Add	0.14		
		For >8,000 To 15,000, Deduct	-0.05		
		For >15,000 To 25,000, Deduct	-0.07		
		For >25,000, Deduct	-0.09		
03 35 43 00-0011	SF	Apply 1 Coat Of Concrete Densifier .....	0.46		
		For Up To 500, Add	0.52		
		For >500 To 1,000, Add	0.49		
		For >1,000 To 2,500, Add	0.32		
		For >2,500 To 4,000, Add	0.17		
		For >8,000 To 15,000, Deduct	-0.06		
		For >15,000 To 25,000, Deduct	-0.08		
		For >25,000, Deduct	-0.12		
03 35 43 00-0012	SF	Apply 2 Coats Of Concrete Densifier With Stain Protector .....	0.78		
		For Up To 500, Add	0.78		
		For >500 To 1,000, Add	0.72		
		For >1,000 To 2,500, Add	0.48		
		For >2,500 To 4,000, Add	0.25		
		For >8,000 To 15,000, Deduct	-0.10		
		For >15,000 To 25,000, Deduct	-0.12		
		For >25,000, Deduct	-0.17		
03 35 43 00-0013	SF	Concrete Floor Polishing Final Clean Up.....	0.14		
		For Up To 500, Add	0.27		
		For >500 To 1,000, Add	0.25		
		For >1,000 To 2,500, Add	0.17		
		For >2,500 To 4,000, Add	0.09		
		For >8,000 To 15,000, Deduct	-0.03		
		For >15,000 To 25,000, Deduct	-0.04		
		For >25,000, Deduct	-0.06		

**03 35 63 Slip-Resistant Floor Finishing (03 35)**
**03 35 63 00-0001 Slip-Resistant Floor Finishing (03 35 63)**

03 35 63 00-0002	SF	Aluminum Oxide Abrasive Floor Finish, 0.25 LB/SF .....	1.31		
		For Up To 100, Add	1.84		
		For >100 To 250, Add	0.46		
		For >250 To 500, Add	0.23		
		For >5,000 To 10,000, Deduct	-0.05		
		For >10,000, Deduct	-0.09		
03 35 63 00-0003	SF	Silicone Carbide Abrasive Floor Finish 0.25 LB/SF .....	1.19		
		For Up To 100, Add	1.84		
		For >100 To 250, Add	0.46		
		For >250 To 500, Add	0.23		
		For >5,000 To 10,000, Deduct	-0.05		
		For >10,000, Deduct	-0.09		

**03 35 66 Acid Etch Floor Finishing (03 35)**
**03 35 66 00-0001 Acid Etch Floor (03 35 66)**

**03 Concrete**  
**03 30 Cast-In-Place Concrete**  
**03 35 Concrete Finishing**

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TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 35 66 00-0002	SF	Concrete Floor Finishes, Etch With Acid And Rinse .....	0.98
		<i>For Up To 100, Add</i>	0.88
		<i>For &gt;100 To 250, Add</i>	0.22
		<i>For &gt;250 To 500, Add</i>	0.11
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.02
		<i>For &gt;10,000, Deduct</i>	-0.04

**03 35 83 Concrete Wall Finishing (03 35)**

**03 35 83 00-0001 Wall Finishes (03 35 83)**

03 35 83 00-0002	SF	Burlap Rub With Grout, New Concrete Wall Finishes .....	1.70
		<i>For Up To 100, Add</i>	3.20
		<i>For &gt;100 To 250, Add</i>	0.80
		<i>For &gt;250 To 500, Add</i>	0.40
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.08
		<i>For &gt;10,000, Deduct</i>	-0.16
03 35 83 00-0003	SF	1/16" Float Finish, New Concrete Wall Finishes .....	2.55
		<i>For Up To 100, Add</i>	4.80
		<i>For &gt;100 To 250, Add</i>	1.20
		<i>For &gt;250 To 500, Add</i>	0.60
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.12
		<i>For &gt;10,000, Deduct</i>	-0.24
03 35 83 00-0004	SF	Etch With Acid And Rinse, New Concrete Wall Finishes .....	1.07
		<i>For Up To 100, Add</i>	1.06
		<i>For &gt;100 To 250, Add</i>	0.27
		<i>For &gt;250 To 500, Add</i>	0.13
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.03
		<i>For &gt;10,000, Deduct</i>	-0.05
03 35 83 00-0005	SF	Bush Hammer Green Concrete, New Concrete Wall Finishes.....	5.13
		<i>For Up To 100, Add</i>	10.16
		<i>For &gt;100 To 250, Add</i>	2.54
		<i>For &gt;250 To 500, Add</i>	1.27
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.25
		<i>For &gt;10,000, Deduct</i>	-0.51
03 35 83 00-0006	SF	Bush Hammer Cured Concrete, New Concrete Wall Finishes.....	7.94
		<i>For Up To 100, Add</i>	15.68
		<i>For &gt;100 To 250, Add</i>	3.92
		<i>For &gt;250 To 500, Add</i>	1.96
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.39
		<i>For &gt;10,000, Deduct</i>	-0.78
03 35 83 00-0007	SF	Break Ties And Patch, New Concrete Wall Finishes .....	0.98
		<i>For Up To 100, Add</i>	1.72
		<i>For &gt;100 To 250, Add</i>	0.43
		<i>For &gt;250 To 500, Add</i>	0.22
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.04
		<i>For &gt;10,000, Deduct</i>	-0.09
03 35 83 00-0008	SF	Carborundum Dry Rub, New Concrete Wall Finishes .....	3.31
		<i>For Up To 100, Add</i>	6.38
		<i>For &gt;100 To 250, Add</i>	1.60
		<i>For &gt;250 To 500, Add</i>	0.80
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.16
		<i>For &gt;10,000, Deduct</i>	-0.32
03 35 83 00-0009	SF	Carborundum Wet Rub, New Concrete Wall Finishes .....	5.05
		<i>For Up To 100, Add</i>	9.86
		<i>For &gt;100 To 250, Add</i>	2.47
		<i>For &gt;250 To 500, Add</i>	1.23
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.25
		<i>For &gt;10,000, Deduct</i>	-0.49
03 35 83 00-0010	SF	Up To 1/4" Penetration Sand Blasting, New Concrete Wall Finishes.....	5.01
		Note: 4.5 Lbs of sand or abrasive material per SF	
		<i>For Up To 100, Add</i>	8.10
		<i>For &gt;100 To 250, Add</i>	2.03
		<i>For &gt;250 To 500, Add</i>	1.01
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.20
		<i>For &gt;10,000, Deduct</i>	-0.41
03 35 83 00-0011	SF	>1/4" To 1/2" Penetration Sand Blasting, New Concrete Wall Finishes.....	10.03
		Note: 9 Lbs of sand abrasive material per SF	
		<i>For Up To 100, Add</i>	16.20
		<i>For &gt;100 To 250, Add</i>	4.05
		<i>For &gt;250 To 500, Add</i>	2.03
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.41
		<i>For &gt;10,000, Deduct</i>	-0.81

**03 37 Specialty Placed Concrete (03 30)**

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

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

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

03 37 13 00-0002	SF	1" Thick Shotcrete, Fiber Reinforced .....	3.18
		<i>For Up To 25, Add</i>	0.60
		<i>For &gt;25 To 50, Add</i>	0.35
		<i>For &gt;50 To 150, Add</i>	0.14
		<i>For High Strength Shotcrete Repair, Add</i>	1.01
		<i>For Polymer Modified Shotcrete, Add</i>	0.77

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 37	13 00-0003	SF	1-1/2"	Thick Shotcrete, Fiber Reinforced .....	4.40	
				For Up To 25, Add	0.81	
				For >25 To 50, Add	0.46	
				For >50 To 150, Add	0.18	
				For High Strength Shotcrete Repair, Add	1.37	
				For Polymer Modified Shotcrete, Add	1.08	
03 37	13 00-0004	SF	2"	Thick Shotcrete, Fiber Reinforced .....	5.98	
				For Up To 25, Add	1.10	
				For >25 To 50, Add	0.64	
				For >50 To 150, Add	0.25	
				For High Strength Shotcrete Repair, Add	1.87	
				For Polymer Modified Shotcrete, Add	1.46	
03 37	13 00-0005	SF	2-1/2"	Thick Shotcrete, Fiber Reinforced .....	7.00	
				For Up To 25, Add	1.26	
				For >25 To 50, Add	0.72	
				For >50 To 150, Add	0.28	
				For High Strength Shotcrete Repair, Add	2.15	
				For Polymer Modified Shotcrete, Add	1.73	
03 37	13 00-0006	SF	3"	Thick Shotcrete, Fiber Reinforced .....	8.47	
				For Up To 25, Add	1.53	
				For >25 To 50, Add	0.88	
				For >50 To 150, Add	0.34	
				For High Strength Shotcrete Repair, Add	2.61	
				For Polymer Modified Shotcrete, Add	2.09	
03 37	13 00-0007	SF	4"	Thick Shotcrete, Fiber Reinforced .....	10.67	
				For Up To 25, Add	1.89	
				For >25 To 50, Add	1.08	
				For >50 To 150, Add	0.41	
				For High Strength Shotcrete Repair, Add	3.23	
				For Polymer Modified Shotcrete, Add	2.66	
03 37	13 00-0008	SF	6"	Thick Shotcrete, Fiber Reinforced .....	14.45	
				For Up To 25, Add	2.44	
				For >25 To 50, Add	1.39	
				For >50 To 150, Add	0.50	
				For High Strength Shotcrete Repair, Add	4.22	
				For Polymer Modified Shotcrete, Add	3.67	

**03 37 13 00-0009 Gunite (Dry Mix Shotcrete), Sprayed** (03 37 13)  
 See CSI section 03 22 11 00-0001 for wire mesh reinforcing.

03 37	13 00-0010	SF	1"	Thick Gunite (Dry Mix Shotcrete), Sprayed .....	3.47	
				For Radius Or Irregular Surface, Add	1.03	
				For Up To 25, Add	0.73	
				For >25 To 50, Add	0.43	
				For >50 To 150, Add	0.19	
03 37	13 00-0011	SF	2"	Thick Gunite (Dry Mix Shotcrete), Sprayed .....	6.40	
				For Radius Or Irregular Surface, Add	1.85	
				For Up To 25, Add	1.33	
				For >25 To 50, Add	0.78	
				For >50 To 150, Add	0.35	
03 37	13 00-0012	SF	3"	Thick Gunite (Dry Mix Shotcrete), Sprayed .....	8.92	
				For Radius Or Irregular Surface, Add	2.50	
				For Up To 25, Add	1.83	
				For >25 To 50, Add	1.07	
				For >50 To 150, Add	0.47	
03 37	13 00-0013	SF	4"	Thick Gunite (Dry Mix Shotcrete), Sprayed .....	11.07	
				For Radius Or Irregular Surface, Add	3.01	
				For Up To 25, Add	2.24	
				For >25 To 50, Add	1.31	
				For >50 To 150, Add	0.56	
03 37	13 00-0014	SF	5"	Thick Gunite (Dry Mix Shotcrete), Sprayed .....	12.89	
				For Radius Or Irregular Surface, Add	3.38	
				For Up To 25, Add	2.56	
				For >25 To 50, Add	1.49	
				For >50 To 150, Add	0.63	
03 37	13 00-0015	SF	6"	Thick Gunite (Dry Mix Shotcrete), Sprayed .....	14.44	
				For Radius Or Irregular Surface, Add	3.65	
				For Up To 25, Add	2.81	
				For >25 To 50, Add	1.63	
				For >50 To 150, Add	0.68	
03 37	13 00-0016	SF	8"	Thick Gunite (Dry Mix Shotcrete), Sprayed .....	18.04	
				For Radius Or Irregular Surface, Add	4.38	
				For Up To 25, Add	3.45	
				For >25 To 50, Add	2.00	
				For >50 To 150, Add	0.82	
03 37	13 00-0017	SF	10"	Thick Gunite (Dry Mix Shotcrete), Sprayed .....	21.19	
				For Radius Or Irregular Surface, Add	4.93	
				For Up To 25, Add	3.97	
				For >25 To 50, Add	2.29	
				For >50 To 150, Add	0.92	
03 37	13 00-0018	SF	12"	Thick Gunite (Dry Mix Shotcrete), Sprayed .....	23.95	
				For Radius Or Irregular Surface, Add	5.32	
				For Up To 25, Add	4.39	
				For >25 To 50, Add	2.53	
				For >50 To 150, Add	1.00	

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

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

MINOR	CSI	UOM	DESCRIPTION
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TOTAL DIRECT	DEMOLITION
UNIT COST	UNIT COST

<b>03 37 16 00-0001</b>	<b>Concrete Pumping With Boom Truck</b> <small>(03 37 16)</small>		
	Note: Includes truck rental, operator, and local travel delivery. For delivery/set-up of equipment add one hour, for clean-up of equipment add one hour. Use four hours as the minimum cost including set-up and clean-up. Excludes concrete, use "Concrete Pump" concrete tasks from appropriate section to place into pump hopper and place concrete. Sizes are measured at a 30 degree vertical reach. See CSI section 03 31 13 00-0016 for concrete placement.		
03 37 16 00-0002	HR 55' To 60' Boom Truck For Concrete Placement (95 CY Per Hour Rating) .....	176.54	
03 37 16 00-0003	HR 70' To 80' Boom Truck For Concrete Placement (117 CY Per Hour Rating) .....	187.90	
03 37 16 00-0004	HR 90' To 100' Boom Truck For Concrete Placement (117 CY Per Hour Rating) .....	228.92	
03 37 16 00-0005	HR 105' To 115' Boom Truck For Concrete Placement (117 CY Per Hour Rating) .....	254.46	
03 37 16 00-0006	HR 120' To 130' Boom Truck For Concrete Placement (170 CY Per Hour Rating) .....	280.81	
03 37 16 00-0007	HR 135' To 140' Boom Truck For Concrete Placement (170 CY Per Hour Rating) .....	336.63	
03 37 16 00-0008	HR 148' To 155' Boom Truck For Concrete Placement (170 CY Per Hour Rating) .....	369.93	
03 37 16 00-0009	HR 170' To 175' Boom Truck For Concrete Placement (182 CY Per Hour Rating) .....	450.59	
03 37 16 00-0010	HR 35 CY/HR, 66 HP Trailer Mounted Concrete Pump .....	123.01	
	Note: Includes hoses		

**03 39 Concrete Curing** (03 39)**03 39 13 Water Concrete Curing** (03 39)

<b>03 39 13 00-0001</b>	<b>Water Concrete Curing</b> <small>(03 39 13)</small>		
03 39 13 00-0002	SF Water Based Curing, Sealing, Hardening And Dustproofing Compound .....	0.31	
	Note: Coverage rates: rough finish = 300 SF/GAL, broom finish = 300 to 400 SF/GAL, steel troweled = 500 to 600 SF/GAL, and vertical surface = 400 - 500 SF/GAL.		

**03 39 23 Membrane Concrete Curing** (03 39)**03 39 23 23 Sheet Membrane Concrete Curing** (03 39 23)

<b>03 39 23 23-0001</b>	<b>Warm Weather Concrete Curing Blankets</b> <small>(03 39 23 23)</small>		
03 39 23 23-0002	CSF Warm Weather Concrete Curing Blankets .....	31.36	

**03 39 23 23-0003 Cold Weather Concrete Curing Blankets** (03 39 23 23)

03 39 23 23-0004	CSF Electric, Cold Weather Concrete Curing Blanket .....	250.41	
03 39 23 23-0005	CSF Non-Electric, Cold Weather Concrete Curing Blanket .....	32.43	

**03 40 Precast Concrete** (03)

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

**03 41 Precast Structural Concrete** (03 40)**03 41 16 Precast Concrete Slabs** (03 41)

<b>03 41 16 00-0001</b>	<b>Flat Floor Slab/Floor Plank</b> <small>(03 41 16)</small>		
<b>03 41 16 00-0002</b>	<b>Erection Costs For Using A 90 Ton Crawler Crane</b> <small>(03 41 16 00-0001)</small>		
	Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 16 00-0003	EA Erect Precast Floor Deck, 0-2 Ton/Piece 150' Maximum Radius With 90 Ton Crane.....	336.92	269.56
03 41 16 00-0004	EA Erect Precast Floor Deck, 2-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane.....	374.54	299.58
03 41 16 00-0005	EA Erect Precast Floor Deck, 3-4 Ton/Piece 105' Maximum Radius With 90 Ton Crane.....	397.70	318.14
03 41 16 00-0006	EA Erect Precast Floor Deck, 4-5 Ton/Piece 88' Maximum Radius With 90 Ton Crane.....	421.61	337.31
03 41 16 00-0007	EA Erect Precast Floor Deck, 5-6 Ton/Piece 82' Maximum Radius With 90 Ton Crane.....	451.20	360.94
03 41 16 00-0008	EA Erect Precast Floor Deck, 6-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane.....	482.21	385.77
03 41 16 00-0009	EA Erect Precast Floor Deck, 7-8 Ton/Piece 70' Maximum Radius With 90 Ton Crane.....	517.82	414.23
03 41 16 00-0010	EA Erect Precast Floor Deck, 8-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane.....	563.17	450.51
03 41 16 00-0011	EA Erect Precast Floor Deck, 9-10 Ton/Piece 60' Maximum Radius With 90 Ton Crane.....	612.34	489.94

**03 41 16 00-0012 Material Cost** (03 41 16 00-0001)

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

03 41 16 00-0013	SF 4" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect.....	28.19	
	For 3,500 PSI Concrete, Add	0.56	
	For 4,000 PSI Concrete, Add	0.85	
	For 4,500 PSI Concrete, Add	1.13	
	For 5,000 PSI Concrete, Add	1.69	
03 41 16 00-0014	SF 5" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect.....	33.83	
	For 3,500 PSI Concrete, Add	0.68	
	For 4,000 PSI Concrete, Add	1.01	
	For 4,500 PSI Concrete, Add	1.35	
	For 5,000 PSI Concrete, Add	2.03	
03 41 16 00-0015	SF 6" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect.....	41.35	
	For 3,500 PSI Concrete, Add	0.83	
	For 4,000 PSI Concrete, Add	1.24	
	For 4,500 PSI Concrete, Add	1.65	
	For 5,000 PSI Concrete, Add	2.48	
03 41 16 00-0016	SF 8" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect.....	54.88	
	For 3,500 PSI Concrete, Add	1.10	
	For 4,000 PSI Concrete, Add	1.65	
	For 4,500 PSI Concrete, Add	2.20	
	For 5,000 PSI Concrete, Add	3.29	

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>03 41 16 00-0017</b>	<b>Floor Units, Combination Beam And Slab</b> <small>(03 41 16)</small>		
<b>03 41 16 00-0018</b>	<b>Erection Costs For Using 90 Ton Crawler Crane</b> <small>(03 41 16 00-0017)</small> Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 16 00-0019	EA Erect Precast Comb Deck, 0-5 Ton/Piece Beam And Slab, 88' Maximum Radius With 90 Ton Crane .....	414.00	331.19
03 41 16 00-0020	EA Erect Precast Comb Deck, 5-10 Ton/Piece Beam And Slab, 60' Maximum Radius With 90 Ton Crane .....	451.24	361.03
03 41 16 00-0021	EA Erect Precast Comb Deck, 10-15 Ton/Piece Beam And Slab, 43' Maximum Radius With 90 Ton Crane .....	498.73	398.93
03 41 16 00-0022	EA Erect Precast Comb Deck, 15-20 Ton/Piece Beam And Slab, 36' Maximum Radius With 90 Ton Crane .....	553.78	443.00
03 41 16 00-0023	EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 31' Maximum Radius With 90 Ton Crane .....	622.51	497.96

<b>03 41 16 00-0024</b>	<b>Erection Costs Using A 125 Ton Crawler Crane</b> <small>(03 41 16 00-0017)</small> Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 16 00-0025	EA Erect Precast Comb Deck, 0-5 Ton/Piece Beam And Slab, 110' Maximum Radius, 125 Ton Crane .....	529.22	423.40
03 41 16 00-0026	EA Erect Precast Comb Deck, 5-10 Ton/Piece Beam And Slab, 75' Maximum Radius, 125 Ton Crane .....	576.82	461.42
03 41 16 00-0027	EA Erect Precast Comb Deck, 10-15 Ton/Piece Beam And Slab, 55' Maximum Radius, 125 Ton Crane .....	637.54	510.07
03 41 16 00-0028	EA Erect Precast Comb Deck, 15-20 Ton/Piece Beam And Slab, 50' Maximum Radius, 125 Ton Crane .....	707.92	566.35
03 41 16 00-0029	EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 40' Maximum Radius, 125 Ton Crane .....	795.76	636.67
03 41 16 00-0030	EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 33' Maximum Radius, 125 Ton Crane .....	865.23	692.14
03 41 16 00-0031	EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 30' Maximum Radius, 125 Ton Crane .....	956.31	765.04
03 41 16 00-0032	EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 28' Maximum Radius, 125 Ton Crane .....	1,058.44	846.80
03 41 16 00-0033	EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 26' Maximum Radius, 125 Ton Crane .....	1,198.02	958.41

<b>03 41 16 00-0034</b>	<b>Material Cost</b> <small>(03 41 16 00-0017)</small> Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operation.		
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<b>03 41 16 00-0035</b>	<b>4" Slab</b> <small>(03 41 16 00-0034)</small>		
03 41 16 00-0036	CY Precast Combination Deck, 4" Slab With Beams Edge Beam Only, 3,000 PSI Concrete.....	2,969.55	
	For 3,500 PSI Concrete, Add	59.39	
	For 4,000 PSI Concrete, Add	89.09	
	For 4,500 PSI Concrete, Add	118.78	
	For 5,000 PSI Concrete, Add	178.17	
03 41 16 00-0037	CY Precast Combination Deck, 4" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete.....	3,007.14	
	For 3,500 PSI Concrete, Add	60.14	
	For 4,000 PSI Concrete, Add	90.21	
	For 4,500 PSI Concrete, Add	120.29	
	For 5,000 PSI Concrete, Add	180.43	
03 41 16 00-0038	CY Precast Combination Deck, 4" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete.....	3,383.03	
	For 3,500 PSI Concrete, Add	67.66	
	For 4,000 PSI Concrete, Add	101.49	
	For 4,500 PSI Concrete, Add	135.32	
	For 5,000 PSI Concrete, Add	202.98	

<b>03 41 16 00-0039</b>	<b>5" Slab</b> <small>(03 41 16 00-0034)</small>		
03 41 16 00-0040	CY Precast Combination Deck, 5" Slab With Beams Edge Beam Only, 3,000 PSI Concrete.....	3,044.73	
	For 3,500 PSI Concrete, Add	60.89	
	For 4,000 PSI Concrete, Add	91.34	
	For 4,500 PSI Concrete, Add	121.79	
	For 5,000 PSI Concrete, Add	182.68	
03 41 16 00-0041	CY Precast Combination Deck, 5" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete.....	3,157.49	
	For 3,500 PSI Concrete, Add	63.15	
	For 4,000 PSI Concrete, Add	94.72	
	For 4,500 PSI Concrete, Add	126.30	
	For 5,000 PSI Concrete, Add	189.45	
03 41 16 00-0042	CY Precast Combination Deck, 5" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete.....	4,022.05	
	For 3,500 PSI Concrete, Add	80.44	
	For 4,000 PSI Concrete, Add	120.66	
	For 4,500 PSI Concrete, Add	160.88	
	For 5,000 PSI Concrete, Add	241.32	

<b>03 41 16 00-0043</b>	<b>6" Slab</b> <small>(03 41 16 00-0034)</small>		
03 41 16 00-0044	CY Precast Combination Deck, 6" Slab With Beams Edge Beam Only, 3,000 PSI Concrete.....	3,157.49	
	For 3,500 PSI Concrete, Add	63.15	
	For 4,000 PSI Concrete, Add	94.72	
	For 4,500 PSI Concrete, Add	126.30	
	For 5,000 PSI Concrete, Add	189.45	
03 41 16 00-0045	CY Precast Combination Deck, 6" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete.....	3,758.92	
	For 3,500 PSI Concrete, Add	75.18	
	For 4,000 PSI Concrete, Add	112.77	
	For 4,500 PSI Concrete, Add	150.36	
	For 5,000 PSI Concrete, Add	225.54	
03 41 16 00-0046	CY Precast Combination Deck, 6" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete.....	4,585.88	
	For 3,500 PSI Concrete, Add	91.72	
	For 4,000 PSI Concrete, Add	137.58	
	For 4,500 PSI Concrete, Add	183.44	
	For 5,000 PSI Concrete, Add	275.15	

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

**03 Concrete****03 40 Precast Concrete****03 41 Precast Structural Concrete**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

03 41 19 00-0001	Structural Wall Panels (03 41 19)		
	Note: Gray, smooth form or board finish one side.		
03 41 19 00-0002	Erection Cost Using 50 Ton Hydraulic Crane (03 41 19 00-0001)		
	Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.		
03 41 19 00-0003	EA Erect Precast Wall Panel 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane.....	331.94	265.58
03 41 19 00-0004	EA Erect Precast Wall Panel 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	369.00	295.15
03 41 19 00-0005	EA Erect Precast Wall Panel 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	415.38	332.32
03 41 19 00-0006	EA Erect Precast Wall Panel 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	444.53	355.60
03 41 19 00-0007	EA Erect Precast Wall Panel 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane.....	475.09	380.08
03 41 19 00-0008	EA Erect Precast Wall Panel 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane.....	510.17	408.11
03 41 19 00-0009	EA Erect Precast Wall Panel 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane.....	554.85	443.85
03 41 19 00-0010	EA Erect Precast Wall Panel 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane.....	603.30	482.70
03 41 19 00-0011	Erection Cost Using 90 Ton Crawler Crane (03 41 19 00-0001)		
	Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.		
03 41 19 00-0012	EA Erect Precast Wall Panel 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane.....	372.42	297.90
03 41 19 00-0013	EA Erect Precast Wall Panel 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane.....	414.00	331.19
03 41 19 00-0014	EA Erect Precast Wall Panel 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane.....	466.03	372.88
03 41 19 00-0015	EA Erect Precast Wall Panel 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane.....	498.73	398.93
03 41 19 00-0016	EA Erect Precast Wall Panel 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane.....	533.02	426.42
03 41 19 00-0017	EA Erect Precast Wall Panel 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane.....	572.37	457.93
03 41 19 00-0018	EA Erect Precast Wall Panel 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane.....	622.51	497.96
03 41 19 00-0019	EA Erect Precast Wall Panel 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane.....	676.85	541.43
03 41 19 00-0020	EA Erect Precast Wall Panel 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane.....	748.10	598.52
03 41 19 00-0021	EA Erect Precast Wall Panel 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane.....	827.99	662.36
03 41 19 00-0022	EA Erect Precast Wall Panel 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane.....	937.18	749.78
03 41 19 00-0023	EA Erect Precast Wall Panel 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane.....	1,066.04	852.83
03 41 19 00-0024	EA Erect Precast Wall Panel 35-40 Ton/Piece 23' Maximum Radius With 90 Ton Crane.....	1,235.99	988.81
03 41 19 00-0025	Material Cost (03 41 19 00-0001)		
	Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations.		
03 41 19 00-0026	SF 4" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	37.59	
	For 3,500 PSI Concrete, Add	0.75	
	For 4,000 PSI Concrete, Add	1.13	
	For 4,500 PSI Concrete, Add	1.50	
	For 5,000 PSI Concrete, Add	2.26	
	For White Facing, Add	7.52	
	For Solid White Through Thickness, Add	7.52	
	For Broken Rib Finish, Add	3.76	
	For Fluted Surface, Add	3.76	
	For Exposed Aggregate, Add	7.52	
	For Sandblasting Of Surface, Add	3.76	
	For 2" Polystyrene Insulation, Add	1.15	
03 41 19 00-0027	SF 5" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	46.23	
	For 3,500 PSI Concrete, Add	0.92	
	For 4,000 PSI Concrete, Add	1.39	
	For 4,500 PSI Concrete, Add	1.85	
	For 5,000 PSI Concrete, Add	2.77	
	For White Facing, Add	9.25	
	For Solid White Through Thickness, Add	9.25	
	For Broken Rib Finish, Add	4.62	
	For Fluted Surface, Add	4.62	
	For Exposed Aggregate, Add	9.25	
	For Sandblasting Of Surface, Add	4.62	
	For 2" Polystyrene Insulation, Add	1.15	
03 41 19 00-0028	SF 6" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	55.63	
	For 3,500 PSI Concrete, Add	1.11	
	For 4,000 PSI Concrete, Add	1.67	
	For 4,500 PSI Concrete, Add	2.23	
	For 5,000 PSI Concrete, Add	3.34	
	For White Facing, Add	11.13	
	For Solid White Through Thickness, Add	11.13	
	For Broken Rib Finish, Add	5.56	
	For Fluted Surface, Add	5.56	
	For Exposed Aggregate, Add	11.13	
	For Sandblasting Of Surface, Add	5.56	
	For 2" Polystyrene Insulation, Add	1.15	
03 41 19 00-0029	SF 8" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	73.30	
	For 3,500 PSI Concrete, Add	1.47	
	For 4,000 PSI Concrete, Add	2.20	
	For 4,500 PSI Concrete, Add	2.93	
	For 5,000 PSI Concrete, Add	4.40	
	For White Facing, Add	14.66	
	For Solid White Through Thickness, Add	14.66	
	For Broken Rib Finish, Add	7.33	
	For Fluted Surface, Add	7.33	
	For Exposed Aggregate, Add	14.66	
	For Sandblasting Of Surface, Add	7.33	
	For 2" Polystyrene Insulation, Add	1.15	
03 41 19 00-0030	Partition Panels (03 41 19)		



	MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**03 41 19 00-0031 Erection Costs Using 20 Ton Hydraulic Crane** (03 41 19 00-0030)  
 Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 19 00-0032	EA	Erect Precast Partition Wall 0-1 Ton/Piece 69' Maximum Radius With 20 Ton Crane.....	265.01	211.97
03 41 19 00-0033	EA	Erect Precast Partition Wall 1-2 Ton/Piece 50' Maximum Radius With 20 Ton Crane.....	294.59	235.70
03 41 19 00-0034	EA	Erect Precast Partition Wall 2-3 Ton/Piece 41' Maximum Radius With 20 Ton Crane.....	331.62	265.28
03 41 19 00-0035	EA	Erect Precast Partition Wall 3-4 Ton/Piece 33' Maximum Radius With 20 Ton Crane.....	379.29	303.43
03 41 19 00-0036	EA	Erect Precast Partition Wall 4-5 Ton/Piece 30' Maximum Radius With 20 Ton Crane.....	407.29	325.86
03 41 19 00-0037	EA	Erect Precast Partition Wall 5-6 Ton/Piece 26' Maximum Radius With 20 Ton Crane.....	442.96	354.36
03 41 19 00-0038	EA	Erect Precast Partition Wall 6-7 Ton/Piece 23' Maximum Radius With 20 Ton Crane.....	481.64	385.36
03 41 19 00-0039	EA	Erect Precast Partition Wall 7-8 Ton/Piece 20' Maximum Radius With 20 Ton Crane.....	532.34	425.89

**03 41 19 00-0040 Erection Costs Using 50 Ton Hydraulic Crane** (03 41 19 00-0030)  
 Note: Includes handling, hoisting in place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.

03 41 19 00-0041	EA	Erect Precast Partition Wall 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane.....	331.94	265.58
03 41 19 00-0042	EA	Erect Precast Partition Wall 1-2 Ton/Piece 82' Maximum Radius With 50 Ton Crane.....	369.00	295.15
03 41 19 00-0043	EA	Erect Precast Partition Wall 2-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	415.38	332.32
03 41 19 00-0044	EA	Erect Precast Partition Wall 3-4 Ton/Piece 57' Maximum Radius With 50 Ton Crane.....	475.09	380.08
03 41 19 00-0045	EA	Erect Precast Partition Wall 4-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	510.17	408.11
03 41 19 00-0046	EA	Erect Precast Partition Wall 5-6 Ton/Piece 44' Maximum Radius With 50 Ton Crane.....	554.85	443.85
03 41 19 00-0047	EA	Erect Precast Partition Wall 6-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	603.30	482.70
03 41 19 00-0048	EA	Erect Precast Partition Wall 7-8 Ton/Piece 36' Maximum Radius With 50 Ton Crane.....	666.80	533.41
03 41 19 00-0049	EA	Erect Precast Partition Wall 8-10 Ton/Piece 31' Maximum Radius With 50 Ton Crane.....	738.01	590.42
03 41 19 00-0050	EA	Erect Precast Partition Wall 10-12 Ton/Piece 26' Maximum Radius With 50 Ton Crane.....	835.33	668.22
03 41 19 00-0051	EA	Erect Precast Partition Wall 12-14 Ton/Piece 25' Maximum Radius With 50 Ton Crane.....	950.19	760.15
03 41 19 00-0052	EA	Erect Precast Partition Wall 14-16 Ton/Piece 21' Maximum Radius With 50 Ton Crane.....	1,101.66	881.30

**03 41 19 00-0053 Material Cost** (03 41 19 00-0030)  
 Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations.

03 41 19 00-0054	SF	4" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect.....	35.71	
		<i>For 4,000 PSI Concrete, Add</i>	1.07	
		<i>For 4,500 PSI Concrete, Add</i>	1.43	
		<i>For 5,000 PSI Concrete, Add</i>	2.14	
		<i>For White Facing, Add</i>	7.14	
		<i>For Solid White Through Thickness, Add</i>	7.14	
		<i>For Broken Rib Finish, Add</i>	3.57	
		<i>For Fluted Surface, Add</i>	3.57	
		<i>For Exposed Aggregate, Add</i>	7.14	
		<i>For Sandblasting Of Surface, Add</i>	3.57	
03 41 19 00-0055	SF	5" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect.....	43.98	
		<i>For 4,000 PSI Concrete, Add</i>	1.32	
		<i>For 4,500 PSI Concrete, Add</i>	1.76	
		<i>For 5,000 PSI Concrete, Add</i>	2.64	
		<i>For White Facing, Add</i>	8.80	
		<i>For Solid White Through Thickness, Add</i>	8.80	
		<i>For Broken Rib Finish, Add</i>	4.40	
		<i>For Fluted Surface, Add</i>	4.40	
		<i>For Exposed Aggregate, Add</i>	8.80	
		<i>For Sandblasting Of Surface, Add</i>	4.40	
03 41 19 00-0056	SF	6" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect.....	52.62	
		<i>For 4,000 PSI Concrete, Add</i>	1.58	
		<i>For 4,500 PSI Concrete, Add</i>	2.10	
		<i>For 5,000 PSI Concrete, Add</i>	3.16	
		<i>For White Facing, Add</i>	10.52	
		<i>For Solid White Through Thickness, Add</i>	10.52	
		<i>For Broken Rib Finish, Add</i>	5.26	
		<i>For Fluted Surface, Add</i>	5.26	
		<i>For Exposed Aggregate, Add</i>	10.52	
		<i>For Sandblasting Of Surface, Add</i>	5.26	
03 41 19 00-0057	SF	8" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect.....	69.54	
		<i>For 4,000 PSI Concrete, Add</i>	2.09	
		<i>For 4,500 PSI Concrete, Add</i>	2.78	
		<i>For 5,000 PSI Concrete, Add</i>	4.17	
		<i>For White Facing, Add</i>	13.91	
		<i>For Solid White Through Thickness, Add</i>	13.91	
		<i>For Broken Rib Finish, Add</i>	6.95	
		<i>For Fluted Surface, Add</i>	6.95	
		<i>For Exposed Aggregate, Add</i>	13.91	
		<i>For Sandblasting Of Surface, Add</i>	6.95	

**03 41 19 00-0058 Cladding Panels** (03 41 19)

**03 41 19 00-0059 Erection Costs Using 50 Ton Hydraulic Crane** (03 41 19 00-0058)  
 Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 19 00-0060	EA	Erect Precast Cladding 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane.....	350.30	280.19
03 41 19 00-0061	EA	Erect Precast Cladding 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	391.83	313.44
03 41 19 00-0062	EA	Erect Precast Cladding 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	444.53	355.60
03 41 19 00-0063	EA	Erect Precast Cladding 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	475.09	380.08
03 41 19 00-0064	EA	Erect Precast Cladding 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane.....	510.17	408.11
03 41 19 00-0065	EA	Erect Precast Cladding 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane.....	554.85	443.85
03 41 19 00-0066	EA	Erect Precast Cladding 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane.....	603.30	482.70
03 41 19 00-0067	EA	Erect Precast Cladding 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane.....	666.80	533.41

**03 Concrete****03 40 Precast Concrete****03 41 Precast Structural Concrete**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

				TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
<b>03 41 19 00-0068</b>		<b>Erection Costs Using 90 Ton Crawler Crane</b> (03 41 19 00-0068)			
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.					
03 41 19 00-0069	EA	Erect Precast Cladding 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane.....	393.01		314.36
03 41 19 00-0070	EA	Erect Precast Cladding 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane.....	439.60		351.68
03 41 19 00-0071	EA	Erect Precast Cladding 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane.....	498.73		398.93
03 41 19 00-0072	EA	Erect Precast Cladding 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane.....	533.02		426.42
03 41 19 00-0073	EA	Erect Precast Cladding 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane.....	572.37		457.93
03 41 19 00-0074	EA	Erect Precast Cladding 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane.....	622.51		497.96
03 41 19 00-0075	EA	Erect Precast Cladding 11-13 Ton/Piece 90' Maximum Radius With 90 Ton Crane.....	676.85		541.43
03 41 19 00-0076	EA	Erect Precast Cladding 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane.....	748.10		598.52
03 41 19 00-0077	EA	Erect Precast Cladding 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane.....	827.99		662.36
03 41 19 00-0078	EA	Erect Precast Cladding 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane.....	937.18		749.78
03 41 19 00-0079	EA	Erect Precast Cladding 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane.....	1,066.04		852.83
03 41 19 00-0080	EA	Erect Precast Cladding 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane.....	1,235.99		988.81
<b>03 41 19 00-0081</b>		<b>Material Cost</b> (03 41 19 00-0081)			
Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations.					
03 41 19 00-0082	SF	4" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	35.71		
		For 3,500 PSI Concrete, Add	0.71		
		For 4,000 PSI Concrete, Add	1.07		
		For 4,500 PSI Concrete, Add	1.43		
		For 5,000 PSI Concrete, Add	2.14		
		For White Facing, Add	7.14		
		For Solid White Through Thickness, Add	7.14		
		For Broken Rib Finish, Add	3.57		
		For Fluted Surface, Add	3.57		
		For Exposed Aggregate, Add	7.14		
		For Sandblasting Of Surface, Add	3.57		
03 41 19 00-0083	SF	5" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	43.98		
		For 3,500 PSI Concrete, Add	0.88		
		For 4,000 PSI Concrete, Add	1.32		
		For 4,500 PSI Concrete, Add	1.76		
		For 5,000 PSI Concrete, Add	2.64		
		For White Facing, Add	8.80		
		For Solid White Through Thickness, Add	8.80		
		For Broken Rib Finish, Add	4.40		
		For Fluted Surface, Add	4.40		
		For Exposed Aggregate, Add	8.80		
		For Sandblasting Of Surface, Add	4.40		
03 41 19 00-0084	SF	6" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	52.62		
		For 3,500 PSI Concrete, Add	1.05		
		For 4,000 PSI Concrete, Add	1.58		
		For 4,500 PSI Concrete, Add	2.10		
		For 5,000 PSI Concrete, Add	3.16		
		For White Facing, Add	10.52		
		For Solid White Through Thickness, Add	10.52		
		For Broken Rib Finish, Add	5.26		
		For Fluted Surface, Add	5.26		
		For Exposed Aggregate, Add	10.52		
		For Sandblasting Of Surface, Add	5.26		
03 41 19 00-0085	SF	8" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	69.54		
		For 3,500 PSI Concrete, Add	1.39		
		For 4,000 PSI Concrete, Add	2.09		
		For 4,500 PSI Concrete, Add	2.78		
		For 5,000 PSI Concrete, Add	4.17		
		For White Facing, Add	13.91		
		For Solid White Through Thickness, Add	13.91		
		For Broken Rib Finish, Add	6.95		
		For Fluted Surface, Add	6.95		
		For Exposed Aggregate, Add	13.91		
		For Sandblasting Of Surface, Add	6.95		
<b>03 41 19 00-0086</b>		<b>Sandwich Panel</b> (03 41 19)			
<b>03 41 19 00-0087</b>		<b>Erection Costs Using 50 Ton Hydraulic Crane</b> (03 41 19 00-0086)			
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.					
03 41 19 00-0088	EA	Erect Precast Sandwich Panel 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane.....	350.30		280.19
03 41 19 00-0089	EA	Erect Precast Sandwich Panel 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	391.83		313.44
03 41 19 00-0090	EA	Erect Precast Sandwich Panel 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	444.53		355.60
03 41 19 00-0091	EA	Erect Precast Sandwich Panel 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	475.09		380.08
03 41 19 00-0092	EA	Erect Precast Sandwich Panel 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane.....	510.17		408.11
03 41 19 00-0093	EA	Erect Precast Sandwich Panel 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane.....	554.85		443.85
03 41 19 00-0094	EA	Erect Precast Sandwich Panel 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane.....	603.30		482.70
03 41 19 00-0095	EA	Erect Precast Sandwich Panel 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane.....	666.80		533.41
<b>03 41 19 00-0096</b>		<b>Erection Costs Using 90 Ton Crawler Crane</b> (03 41 19 00-0096)			
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.					
03 41 19 00-0097	EA	Erect Precast Sandwich Panel 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane.....	355.55		284.39
03 41 19 00-0098	EA	Erect Precast Sandwich Panel 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane.....	397.70		318.14
03 41 19 00-0099	EA	Erect Precast Sandwich Panel 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane.....	451.20		360.94

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 41 19 00-0100	EA			Erect Precast Sandwich Panel 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane .....	482.21	385.77
03 41 19 00-0101	EA			Erect Precast Sandwich Panel 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane .....	517.82	414.23
03 41 19 00-0102	EA			Erect Precast Sandwich Panel 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane .....	563.17	450.51
03 41 19 00-0103	EA			Erect Precast Sandwich Panel 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane .....	612.34	489.94
03 41 19 00-0104	EA			Erect Precast Sandwich Panel 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane .....	676.80	541.41
03 41 19 00-0105	EA			Erect Precast Sandwich Panel 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane .....	749.07	599.28
03 41 19 00-0106	EA			Erect Precast Sandwich Panel 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane .....	847.86	678.24
03 41 19 00-0107	EA			Erect Precast Sandwich Panel 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane .....	964.44	771.55
03 41 19 00-0108	EA			Erect Precast Sandwich Panel 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane .....	1,118.18	894.51

**03 41 19 00-0109 Material Cost** (03 41 19 00-0086)

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations. Sandwich panel consists of 2.5" cladding panel, 2" fiber board insulation and the structural panel as defined.

03 41 19 00-0110	SF			4" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect .....	48.87	
				<i>For 3,500 PSI Concrete, Add</i>	0.98	
				<i>For 4,000 PSI Concrete, Add</i>	1.47	
				<i>For 4,500 PSI Concrete, Add</i>	1.95	
				<i>For 5,000 PSI Concrete, Add</i>	2.93	
				<i>For White Facing, Add</i>	9.77	
				<i>For Solid White Through Thickness, Add</i>	9.77	
				<i>For Broken Rib Finish, Add</i>	4.89	
				<i>For Fluted Surface, Add</i>	4.89	
				<i>For Exposed Aggregate, Add</i>	9.77	
				<i>For Sandblasting Of Surface, Add</i>	4.89	
03 41 19 00-0111	SF			5" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect .....	57.51	
				<i>For 3,500 PSI Concrete, Add</i>	1.15	
				<i>For 4,000 PSI Concrete, Add</i>	1.73	
				<i>For 4,500 PSI Concrete, Add</i>	2.30	
				<i>For 5,000 PSI Concrete, Add</i>	3.45	
				<i>For White Facing, Add</i>	11.50	
				<i>For Solid White Through Thickness, Add</i>	11.50	
				<i>For Broken Rib Finish, Add</i>	5.75	
				<i>For Fluted Surface, Add</i>	5.75	
				<i>For Exposed Aggregate, Add</i>	11.50	
				<i>For Sandblasting Of Surface, Add</i>	5.75	
03 41 19 00-0112	SF			6" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect .....	66.91	
				<i>For 3,500 PSI Concrete, Add</i>	1.34	
				<i>For 4,000 PSI Concrete, Add</i>	2.01	
				<i>For 4,500 PSI Concrete, Add</i>	2.68	
				<i>For 5,000 PSI Concrete, Add</i>	4.01	
				<i>For White Facing, Add</i>	13.38	
				<i>For Solid White Through Thickness, Add</i>	13.38	
				<i>For Broken Rib Finish, Add</i>	6.69	
				<i>For Fluted Surface, Add</i>	6.69	
				<i>For Exposed Aggregate, Add</i>	13.38	
				<i>For Sandblasting Of Surface, Add</i>	6.69	
03 41 19 00-0113	SF			8" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect .....	84.58	
				<i>For 3,500 PSI Concrete, Add</i>	1.69	
				<i>For 4,000 PSI Concrete, Add</i>	2.54	
				<i>For 4,500 PSI Concrete, Add</i>	3.38	
				<i>For 5,000 PSI Concrete, Add</i>	5.07	
				<i>For White Facing, Add</i>	16.92	
				<i>For Solid White Through Thickness, Add</i>	16.92	
				<i>For Broken Rib Finish, Add</i>	8.46	
				<i>For Fluted Surface, Add</i>	8.46	
				<i>For Exposed Aggregate, Add</i>	16.92	
				<i>For Sandblasting Of Surface, Add</i>	8.46	

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

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

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

03 41 23 00-0002	EA			Erect Precast Stairs, 0-2 Ton/Piece 82' Maximum Radius With 50 Ton Crane .....	369.00	295.15
03 41 23 00-0003	EA			Erect Precast Stairs, 2-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane .....	391.83	313.44
03 41 23 00-0004	EA			Erect Precast Stairs, 3-4 Ton/Piece 57' Maximum Radius With 50 Ton Crane .....	415.38	332.32
03 41 23 00-0005	EA			Erect Precast Stairs, 4-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane .....	444.53	355.60
03 41 23 00-0006	EA			Erect Precast Stairs, 5-6 Ton/Piece 44' Maximum Radius With 50 Ton Crane .....	475.09	380.08
03 41 23 00-0007	EA			Erect Precast Stairs, 6-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane .....	510.17	408.11
03 41 23 00-0008	EA			Erect Precast Stairs, 7-8 Ton/Piece 36' Maximum Radius With 50 Ton Crane .....	554.85	443.85
03 41 23 00-0009	EA			Erect Precast Stairs, 8-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane .....	603.30	482.70

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

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

03 41 23 00-0011	EA			Erect Precast Stairs, 0-2 Ton/Piece 151' Maximum Radius With 90 Ton Crane .....	369.00	295.15
03 41 23 00-0012	EA			Erect Precast Stairs, 2-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane .....	391.83	313.44
03 41 23 00-0013	EA			Erect Precast Stairs, 3-4 Ton/Piece 105' Maximum Radius With 90 Ton Crane .....	415.38	332.32
03 41 23 00-0014	EA			Erect Precast Stairs, 4-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane .....	444.53	355.60
03 41 23 00-0015	EA			Erect Precast Stairs, 5-6 Ton/Piece 82' Maximum Radius With 90 Ton Crane .....	475.09	380.08
03 41 23 00-0016	EA			Erect Precast Stairs, 6-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane .....	510.17	408.11
03 41 23 00-0017	EA			Erect Precast Stairs, 7-8 Ton/Piece 70' Maximum Radius With 90 Ton Crane .....	554.85	443.85
03 41 23 00-0018	EA			Erect Precast Stairs, 8-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane .....	603.30	482.70

**03 Concrete****03 40 Precast Concrete****03 41 Precast Structural Concrete**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

<b>03 41 23 00-0019</b>	<b>Material Cost</b> <small>(03 41 23)</small>		
	Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast operations.		
03 41 23 00-0020	EA 3' Wide With 10-1/2" Depth Treads Precast Concrete Stair Unit, Per Riser.....	753.33	
	For 3,500 PSI Concrete, Add	98.31	
	For 4,000 PSI Concrete, Add	184.72	
	For 4,500 PSI Concrete, Add	271.50	
	For 5,000 PSI Concrete, Add	369.36	
<b>03 41 26</b>	<b>Precast Concrete Structural Sections</b> <small>(03 41)</small>		
<b>03 41 26 00-0001</b>	<b>Precast Beams, Girder And Joists</b> <small>(03 41 26)</small>		
<b>03 41 26 00-0002</b>	<b>Erection Costs Using A 90 Ton Crawler Crane</b> <small>(03 41 26 00-0001)</small>		
	Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 26 00-0003	EA Erect Precast Structural Sections, 0-5 Ton/Piece Beam, Girder, Joist; 89' Maximum Radius, 90 Ton Crane .....	466.03	372.88
03 41 26 00-0004	EA Erect Precast Structural Sections, 5-10 Ton/Piece Beam, Girder, Joist; 60' Maximum Radius, 90 Ton Crane .....	498.73	398.93
03 41 26 00-0005	EA Erect Precast Structural Sections, 10-15 Ton/Piece Beam, Girder, Joist; 43' Maximum Radius, 90 Ton Crane.....	533.02	426.42
03 41 26 00-0006	EA Erect Precast Structural Sections, 15-20 Ton/Piece Beam, Girder, Joist; 36' Maximum Radius, 90 Ton Crane.....	572.37	457.93
<b>03 41 26 00-0007</b>	<b>Erection Costs Using A 125 Ton Crawler Crane</b> <small>(03 41 26 00-0001)</small>		
	Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 26 00-0008	EA Erect Precast Structural Sections, 0-5 Ton/Piece Beam, Girder, Joist; 110' Maximum Radius, 125 Ton Crane.....	595.74	476.55
03 41 26 00-0009	EA Erect Precast Structural Sections, 5-10 Ton/Piece Beam, Girder, Joist; 75' Maximum Radius, 125 Ton Crane.....	637.54	510.07
03 41 26 00-0010	EA Erect Precast Structural Sections, 10-15 Ton/Piece Beam, Girder, Joist; 55' Maximum Radius, 125 Ton Crane.....	681.37	545.09
03 41 26 00-0011	EA Erect Precast Structural Sections, 15-20 Ton/Piece Beam, Girder, Joist; 50' Maximum Radius, 125 Ton Crane.....	731.67	585.30
03 41 26 00-0012	EA Erect Precast Structural Sections, 20-25 Ton/Piece Beam, Girder, Joist; 40' Maximum Radius, 125 Ton Crane.....	795.76	636.67
03 41 26 00-0013	EA Erect Precast Structural Sections, 25-30 Ton/Piece Beam, Girder, Joist; 33' Maximum Radius, 125 Ton Crane.....	865.23	692.14
03 41 26 00-0014	EA Erect Precast Structural Sections, 30-35 Ton/Piece Beam, Girder, Joist; 30' Maximum Radius, 125 Ton Crane.....	956.31	765.04
03 41 26 00-0015	EA Erect Precast Structural Sections, 35-40 Ton/Piece Beam, Girder, Joist; 28' Maximum Radius, 125 Ton Crane.....	1,058.44	846.80
<b>03 41 26 00-0016</b>	<b>Material Cost</b> <small>(03 41 26 00-0001)</small>		
	Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations.		
<b>03 41 26 00-0017</b>	<b>1,000 LB/LF Live Load</b> <small>(03 41 26 00-0016)</small>		
03 41 26 00-0018	LF Precast Structural Sections, 1,000 LB/LF, 15' Span Live Load, Span, 3,000 PSI.....	150.64	
	For 3,500 PSI Concrete, Add	4.11	
	For 4,000 PSI Concrete, Add	6.18	
	For 4,500 PSI Concrete, Add	8.22	
	For 5,000 PSI Concrete, Add	12.35	
03 41 26 00-0019	LF Precast Structural Sections, 1,000 LB/LF, 20' Span Live Load, Span, 3,000 PSI.....	188.30	
	For 3,500 PSI Concrete, Add	5.14	
	For 4,000 PSI Concrete, Add	7.72	
	For 4,500 PSI Concrete, Add	10.28	
	For 5,000 PSI Concrete, Add	15.44	
03 41 26 00-0020	LF Precast Structural Sections, 1,000 LB/LF, 30' Span Live Load, Span, 3,000 PSI.....	225.97	
	For 3,500 PSI Concrete, Add	6.17	
	For 4,000 PSI Concrete, Add	9.26	
	For 4,500 PSI Concrete, Add	12.34	
	For 5,000 PSI Concrete, Add	18.53	
<b>03 41 26 00-0021</b>	<b>3,000 LB/LF Live Load</b> <small>(03 41 26 00-0016)</small>		
03 41 26 00-0022	LF Precast Structural Sections, 3,000 LB/LF, 15' Span Live Load, Span, 3,000 PSI.....	188.30	
	For 3,500 PSI Concrete, Add	5.14	
	For 4,000 PSI Concrete, Add	7.72	
	For 4,500 PSI Concrete, Add	10.28	
	For 5,000 PSI Concrete, Add	15.44	
03 41 26 00-0023	LF Precast Structural Sections, 3,000 LB/LF, 20' Span Live Load, Span, 3,000 PSI.....	225.97	
	For 3,500 PSI Concrete, Add	6.17	
	For 4,000 PSI Concrete, Add	9.26	
	For 4,500 PSI Concrete, Add	12.34	
	For 5,000 PSI Concrete, Add	18.53	
03 41 26 00-0024	LF Precast Structural Sections, 3,000 LB/LF, 30' Span Live Load, Span, 3,000 PSI.....	301.29	
	For 3,500 PSI Concrete, Add	8.23	
	For 4,000 PSI Concrete, Add	12.35	
	For 4,500 PSI Concrete, Add	16.45	
	For 5,000 PSI Concrete, Add	24.71	
<b>03 41 26 00-0025</b>	<b>5,000 LB/LF Live Load</b> <small>(03 41 26 00-0016)</small>		
03 41 26 00-0026	LF Precast Structural Sections, 5,000 LB/LF, 15' Span Live Load, Span, 3,000 PSI.....	263.63	
	For 3,500 PSI Concrete, Add	7.20	
	For 4,000 PSI Concrete, Add	10.81	
	For 4,500 PSI Concrete, Add	14.39	
	For 5,000 PSI Concrete, Add	21.62	
03 41 26 00-0027	LF Precast Structural Sections, 5,000 LB/LF, 20' Span Live Load, Span, 3,000 PSI.....	301.29	
	For 3,500 PSI Concrete, Add	8.23	
	For 4,000 PSI Concrete, Add	12.35	
	For 4,500 PSI Concrete, Add	16.45	
	For 5,000 PSI Concrete, Add	24.71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 41 26 00-0028	LF	Precast Structural Sections, 5,000 LB/LF, 30' Span Live Load, Span, 3,000 PSI.....	376.61		
		For 3,500 PSI Concrete, Add	10.28		
		For 4,000 PSI Concrete, Add	15.44		
		For 4,500 PSI Concrete, Add	20.56		
		For 5,000 PSI Concrete, Add	30.88		
03 41 26 00-0029		<b>Precast Concrete Columns</b> (03 41 26)			
03 41 26 00-0030		<b>Erection Costs Using A 90 Ton Crawler Crane</b> (03 41 26 00-0029)			
		Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.			
03 41 26 00-0031	EA	Erect Precast Concrete Columns, 0-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane .....	269.77		215.79
03 41 26 00-0032	EA	Erect Precast Concrete Columns, 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane .....	286.82		229.42
03 41 26 00-0033	EA	Erect Precast Concrete Columns, 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane .....	307.39		245.93
03 41 26 00-0034	EA	Erect Precast Concrete Columns, 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane .....	329.72		263.77
03 41 26 00-0035	EA	Erect Precast Concrete Columns, 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane .....	355.55		284.39
03 41 26 00-0036	EA	Erect Precast Concrete Columns, 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane .....	385.77		308.62
03 41 26 00-0037	EA	Erect Precast Concrete Columns, 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane .....	421.61		337.31
03 41 26 00-0038		<b>Material Cost</b> (03 41 26 00-0029)			
		Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast operations.			
03 41 26 00-0039		<b>12" x 12" Column, Square, Tied</b> (03 41 26 00-0038)			
03 41 26 00-0040	CY	12" x 12" Precast Column, Tied, Average Reinforced 351 LB/CY .....	779.70		
		For 3,500 PSI Concrete, Add	58.48		
		For 4,000 PSI Concrete, Add	109.94		
		For 4,500 PSI Concrete, Add	162.18		
		For 5,000 PSI Concrete, Add	220.66		
03 41 26 00-0041		<b>16" x 16" Column, Square, Tied</b> (03 41 26 00-0038)			
03 41 26 00-0042	CY	16" x 16" Precast Column, Tied, Average Reinforced 368 LB/CY .....	798.95		
		For 3,500 PSI Concrete, Add	59.92		
		For 4,000 PSI Concrete, Add	112.65		
		For 4,500 PSI Concrete, Add	166.18		
		For 5,000 PSI Concrete, Add	226.10		
03 41 26 00-0043		<b>20" x 20" Column, Square, Tied</b> (03 41 26 00-0038)			
03 41 26 00-0044	CY	20" x 20" Precast Column, Tied, Average Reinforced 357 LB/CY .....	800.49		
		For 3,500 PSI Concrete, Add	60.04		
		For 4,000 PSI Concrete, Add	112.87		
		For 4,500 PSI Concrete, Add	166.50		
		For 5,000 PSI Concrete, Add	226.54		
03 41 26 00-0045		<b>24" x 24" Column, Square, Tied</b> (03 41 26 00-0038)			
03 41 26 00-0046	CY	24" x 24" Precast Column, Tied, Average Reinforced 365 LB/CY .....	800.49		
		For 3,500 PSI Concrete, Add	60.04		
		For 4,000 PSI Concrete, Add	112.87		
		For 4,500 PSI Concrete, Add	166.50		
		For 5,000 PSI Concrete, Add	226.54		
03 41 26 00-0047		<b>28" x 28" Column, Square, Tied</b> (03 41 26 00-0038)			
03 41 26 00-0048	CY	28" x 28" Precast Column, Tied, Average Reinforced 347 LB/CY .....	800.49		
		For 3,500 PSI Concrete, Add	60.04		
		For 4,000 PSI Concrete, Add	112.87		
		For 4,500 PSI Concrete, Add	166.50		
		For 5,000 PSI Concrete, Add	226.54		
03 41 26 00-0049		<b>32" x 32" Column, Square, Tied</b> (03 41 26 00-0038)			
03 41 26 00-0050	CY	32" x 32" Precast Column, Tied, Average Reinforced 351 LB/CY .....	798.95		
		For 3,500 PSI Concrete, Add	59.92		
		For 4,000 PSI Concrete, Add	112.65		
		For 4,500 PSI Concrete, Add	166.18		
		For 5,000 PSI Concrete, Add	226.10		
03 41 26 00-0051		<b>36" x 36" Column, Square, Tied</b> (03 41 26 00-0038)			
03 41 26 00-0052	CY	36" x 36" Precast Column, Tied, Average Reinforced 278 LB/CY .....	800.49		
		For 3,500 PSI Concrete, Add	60.04		
		For 4,000 PSI Concrete, Add	112.87		
		For 4,500 PSI Concrete, Add	166.50		
		For 5,000 PSI Concrete, Add	226.54		
<b>03 41 33</b>		<b>Precast Structural Pretensioned Concrete</b> (03 41)			
03 41 33 00-0001		<b>Slabs, Roof And Floor Members</b> (03 41 33)			
03 41 33 00-0002	SF	4" Thick Precast Prestressed Slab, 12-16' Span Roof/Floor.....	16.07		2.18
03 41 33 00-0003	SF	6" Thick Precast Prestressed Slab, 16-25' Span Roof/Floor.....	19.99		2.18
03 41 33 00-0004	SF	8" Thick Precast Prestressed Slab, 25-32' Span Roof/Floor.....	23.92		2.29
03 41 33 00-0005	SF	10" Thick Precast Prestressed Slab, 32-40' Span Roof/Floor.....	27.87		2.40

**03 Concrete****03 40 Precast Concrete****03 41 Precast Structural Concrete**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

03 41 33 00-0006		Tee Members (03 41 33)		
03 41 33 00-0007		Multiple Tee, Roof And Floor (03 41 33 00-0006)		
03 41 33 00-0008	SF	Prestressed Multiple Tee, Roof And Floor Members .....	35.95	2.84
03 41 33 00-0009		Double Tee Wall Member (03 41 33 00-0006)		
03 41 33 00-0010	SF	Prestressed Double Tee Wall Members Precast Concrete, <40' Span.....	51.12	7.73
03 41 33 00-0011		Single Tee, Short Span, Roof Members (03 41 33 00-0006)		
03 41 33 00-0012	SF	Prestressed Single Tee, Short Span Roof Precast Concrete Members, <40' Span.....	42.35	4.69
03 41 33 00-0013		Single Tee, Long Span, Roof Members (03 41 33 00-0006)		
03 41 33 00-0014	SF	Prestressed Single Tee, Long Span Roof Precast Concrete Members, <40' Span .....	50.72	4.03
03 41 33 00-0015		Prestressed Concrete Items (03 41 33)		
03 41 33 00-0016		Prestressed Quad Tee (03 41 33 00-0015)		
03 41 33 00-0017	SF	Tees, Prestressed Quad Tee, Short Spans, Roof.....	25.97	0.88
03 41 33 00-0018	SF	Tees, Prestressed Quad Tee, Short Spans, Floor .....	27.10	0.88
03 41 33 00-0019		Prestressed Double Tee (03 41 33 00-0015)		
03 41 33 00-0020	SF	Tees, Double Tee, Floor Members , 60' Span .....	43.12	0.76
03 41 33 00-0021	SF	Tees, Double Tee, Floor Members , 80' Span .....	59.36	0.76
03 41 33 00-0022	SF	Tees, Double Tee, Roof Members, 30' Span .....	29.47	1.30
03 41 33 00-0023	SF	Tees, Double Tee, Roof Members, 50' Span .....	45.60	0.88
03 41 33 00-0024	SF	Tees, Double Tee, Wall Members, Up To 55' High.....	31.96	1.74
03 41 33 00-0025		Prestressed Single Tee (03 41 33 00-0015)		
03 41 33 00-0026	SF	Tees, Single Tee Roof Members, 40' Span .....	51.10	1.96
03 41 33 00-0027	SF	Tees, Single Tee Roof Members, 80' Span .....	59.12	1.20
03 41 33 00-0028	SF	Tees, Single Tee Roof Members, 100' Span .....	78.18	1.09
03 41 33 00-0029	SF	Tees, Single Tee Roof Members, 120' Span .....	82.32	1.09
03 41 33 00-0030		Prestressed Double Tee Floor Members (03 41 33 00-0015)		
03 41 33 00-0031	EA	Tees, Double Tees, Floor Members, Lightweight, 20" X 8' Wide, 45' .....	13,198.85	313.89
03 41 33 00-0032	EA	Tees, Double Tees, Floor Members, Lightweight, 24" X 8' Wide, 50' .....	14,372.40	348.77
03 41 33 00-0033	EA	Tees, Double Tees, Floor Members, Lightweight, 32" X 10' Wide, 60' .....	24,031.66	392.37
03 41 33 00-0034	EA	Tees, Double Tees, Floor Members, Standard Weight, 12" X 8' Wide, 25' .....	5,178.01	285.45
03 41 33 00-0035	EA	Tees, Double Tees, Floor Members, Standard Weight, 16" X 8' Wide, 25' .....	6,795.62	313.89
03 41 33 00-0036	EA	Tees, Double Tees, Floor Members, Standard Weight, 18" X 8' Wide, 35' .....	8,678.93	313.89
03 41 33 00-0037	EA	Tees, Double Tees, Floor Members, Standard Weight, 20" X 8' Wide, 45' .....	9,664.15	348.77
03 41 33 00-0038	EA	Tees, Double Tees, Floor Members, Standard Weight, 24" X 8' Wide, 50' .....	12,355.20	392.37
03 41 33 00-0039	EA	Tees, Double Tees, Floor Members, Standard Weight, 32" X 10' Wide, 60' .....	22,218.69	448.61
03 41 33 00-0040		Prestressed Double Tee Roof Members (03 41 33 00-0015)		
03 41 33 00-0041	EA	Tees, Double Tees, Roof Members, Lightweight, 20" X 8' Wide, 45' .....	10,373.90	313.89
03 41 33 00-0042	EA	Tees, Double Tees, Roof Members, Lightweight, 24" X 8' Wide, 50' .....	13,619.08	348.77
03 41 33 00-0043	EA	Tees, Double Tees, Roof Members, Lightweight, 32" X 10' Wide, 60' .....	22,336.69	392.37
03 41 33 00-0044	EA	Tees, Double Tees, Roof Members, Standard Weight, 12" X 8' Wide, 30' .....	6,948.31	285.45
03 41 33 00-0045	EA	Tees, Double Tees, Roof Members, Standard Weight, 16" X 8' Wide, 30' .....	7,322.95	313.89
03 41 33 00-0046	EA	Tees, Double Tees, Roof Members, Standard Weight, 18" X 8' Wide, 30' .....	8,113.94	313.89
03 41 33 00-0047	EA	Tees, Double Tees, Roof Members, Standard Weight, 20" X 8' Wide, 40' .....	8,345.84	348.77
03 41 33 00-0048	EA	Tees, Double Tees, Roof Members, Standard Weight, 24" X 8' Wide, 50' .....	11,036.89	392.37
03 41 33 00-0049	EA	Tees, Double Tees, Roof Members, Standard Weight, 32" X 10' Wide, 60' .....	19,017.08	448.61
03 41 33 00-0050		Plant Produced Pretensioned Prestressed Concrete Hollow Core Slab (03 41 33)		
03 41 33 00-0051	SF	Hollow Core Slab, 4" Slab, 12' - 16' Spans, Plant Produced Pretensioned Prestressed Concrete .....	27.42	
03 41 33 00-0052	SF	Hollow Core Slab, 6" Slab, 16' - 25' Spans, Plant Produced Pretensioned Prestressed Concrete .....	28.55	
03 41 33 00-0053	SF	Hollow Core Slab, 8" Slab, 25' - 30' Spans, Plant Produced Pretensioned Prestressed Concrete .....	29.90	
03 41 33 00-0054	SF	Hollow Core Slab, 10" Slab, 30' - 35' Spans, Plant Produced Pretensioned Prestressed Concrete .....	30.89	
03 41 33 00-0055	SF	Hollow Core Slab, 12" Slab, 35' - 40' Spans, Plant Produced Pretensioned Prestressed Concrete .....	33.03	
03 41 33 00-0056		Double And Single Tees (03 41 33)		
03 41 33 00-0057		Double And Single Tees With 16" Roof And Floor Loading (03 41 33 00-0056)		
03 41 33 00-0058	SF	Double Tee With 16" Roof Loading, 30' Span, Pretensioned Prestressed Concrete .....	33.17	
03 41 33 00-0059	SF	Double Tee With 16" Roof Loading, 40' Span, Pretensioned Prestressed Concrete .....	32.37	
03 41 33 00-0060	SF	Double Tee With 16" Roof Loading, 45' Span, Pretensioned Prestressed Concrete .....	30.57	
03 41 33 00-0061	SF	Double Tee With 16" Floor Loading, 30' Span, Pretensioned Prestressed Concrete.....	33.17	
03 41 33 00-0062	SF	Double Tee With 16" Floor Loading, 40' Span, Pretensioned Prestressed Concrete.....	33.05	
03 41 33 00-0063	SF	Single Tee With 16" Roof Loading, 30' Span, Pretensioned Prestressed Concrete.....	50.80	
03 41 33 00-0064	SF	Single Tee With 16" Roof Loading, 40' Span, Pretensioned Prestressed Concrete.....	49.66	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 41 33 00-0065	SF	Single Tee With 16" Roof Loading, 45' Span, Pretensioned Prestressed Concrete .....	46.51
03 41 33 00-0066	SF	Single Tee With 16" Floor Loading, 30' Span, Pretensioned Prestressed Concrete.....	50.80
03 41 33 00-0067	SF	Single Tee With 16" Floor Loading, 40' Span, Pretensioned Prestressed Concrete.....	47.62

**03 41 33 00-0068 Double And Single Tees With 24" Roof And Floor Loading** (03 41 33 00-0056)

03 41 33 00-0069	SF	Double Tee With 24" Roof Loading, 30' Span, Pretensioned Prestressed Concrete .....	34.18
03 41 33 00-0070	SF	Double Tee With 24" Roof Loading, 40' Span, Pretensioned Prestressed Concrete.....	33.39
03 41 33 00-0071	SF	Double Tee With 24" Roof Loading, 45' Span, Pretensioned Prestressed Concrete .....	32.27
03 41 33 00-0072	SF	Double Tee With 24" Floor Loading, 30' Span, Pretensioned Prestressed Concrete .....	34.18
03 41 33 00-0073	SF	Double Tee With 24" Floor Loading, 40' Span, Pretensioned Prestressed Concrete .....	33.05
03 41 33 00-0074	SF	Single Tee With 24" Roof Loading, 30' Span, Pretensioned Prestressed Concrete .....	52.15
03 41 33 00-0075	SF	Single Tee With 24" Roof Loading, 40' Span, Pretensioned Prestressed Concrete .....	51.01
03 41 33 00-0076	SF	Single Tee With 24" Roof Loading, 45' Span, Pretensioned Prestressed Concrete .....	49.22
03 41 33 00-0077	SF	Single Tee With 24" Floor Loading, 30' Span, Pretensioned Prestressed Concrete.....	52.15
03 41 33 00-0078	SF	Single Tee With 24" Floor Loading, 40' Span, Pretensioned Prestressed Concrete.....	50.68

**03 41 33 00-0079 Double And Single Tees With 32" Roof And Floor Loading** (03 41 33 00-0056)

03 41 33 00-0080	SF	Double Tee With 32" Roof Load, 50' Span, Pretensioned Prestressed Concrete.....	36.05
03 41 33 00-0081	SF	Double Tee With 32" Roof Load, 60' Span, Pretensioned Prestressed Concrete.....	34.91
03 41 33 00-0082	SF	Double Tee With 32" Roof Load, 70' Span, Pretensioned Prestressed Concrete.....	33.76
03 41 33 00-0083	SF	Single Tee With 32" Roof Load, 50' Span, Pretensioned Prestressed Concrete .....	55.37
03 41 33 00-0084	SF	Single Tee With 32" Roof Load, 60' Span, Pretensioned Prestressed Concrete .....	53.56
03 41 33 00-0085	SF	Single Tee With 32" Roof Load, 70' Span, Pretensioned Prestressed Concrete .....	51.39

**03 48 Precast Concrete Specialties** (03 40)

**03 48 16 Precast Concrete Splash Blocks** (03 48)

**03 48 16 00-0001 Precast Concrete Splash Blocks** (03 48 16)

03 48 16 00-0002	EA	Precast Concrete Splash Blocks, 20" x 12" x 3" .....	35.25	3.57
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**03 48 21 Precast Concrete Handrails** (03 48)

**03 48 21 00-0001 Installation Cost** (03 48 21)

Note: Includes handling, hoisting into place, alignment, and permanent connections. Excludes grouting.

03 48 21 00-0002	EA	Install Precast Handrails, 0-2 Ton/Handrail.....	150.94	67.95
03 48 21 00-0003	EA	Install Precast Handrails, Over 2 Ton/Handrail .....	181.03	81.43

**03 48 21 00-0004 Material Cost** (03 48 21)

Note: Includes 3000 PSI concrete, imbedded items, formwork and precast operations.

03 48 21 00-0005	CY	4" Thick 3,000 PSI Concrete Precast Concrete Handrail.....	2,975.71
		For 3,500 PSI Concrete, Add	194.17
		For 4,000 PSI Concrete, Add	364.82
		For 4,500 PSI Concrete, Add	536.22
		For 5,000 PSI Concrete, Add	729.50
03 48 21 00-0006	CY	5" Thick 3,000 PSI Concrete Precast Concrete Handrail.....	3,088.72
		For 3,500 PSI Concrete, Add	201.54
		For 4,000 PSI Concrete, Add	378.68
		For 4,500 PSI Concrete, Add	556.59
		For 5,000 PSI Concrete, Add	757.20
03 48 21 00-0007	CY	6" Thick 3,000 PSI Concrete Precast Concrete Handrail.....	3,201.72
		For 3,500 PSI Concrete, Add	208.91
		For 4,000 PSI Concrete, Add	392.53
		For 4,500 PSI Concrete, Add	576.95
		For 5,000 PSI Concrete, Add	784.90
03 48 21 00-0008	CY	8" Thick 3,000 PSI Concrete Precast Concrete Handrail.....	3,352.39
		For 3,500 PSI Concrete, Add	218.74
		For 4,000 PSI Concrete, Add	411.00
		For 4,500 PSI Concrete, Add	604.10
		For 5,000 PSI Concrete, Add	821.84

**03 48 22 Precast Concrete Sun Screen and Trellis** (03 48)

**03 48 22 00-0001 Sun Screen Blades** (03 48 22)

**03 48 22 00-0002 Installation Cost** (03 48 22 00-0001)

Note: Includes handling, hoisting into place, alignment, bracing, and permanent connections.

03 48 22 00-0003	EA	Install Precast Sun Screen Blade, 0-1 Ton/Each.....	75.47	33.97
03 48 22 00-0004	EA	Install Precast Sun Screen Blade, 1-2 Ton/Each.....	90.67	40.77
03 48 22 00-0005	EA	Install Precast Sun Screen Blade, 2-3 Ton/Each.....	113.29	51.02

**03 48 22 00-0006 Material Cost** (03 48 22 00-0001)

Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.

03 48 22 00-0007	CY	4" Thick 3,000 PSI Concrete Precast Sun Screen Blades.....	3,164.05
		For 3,500 PSI Concrete, Add	206.45
		For 4,000 PSI Concrete, Add	387.91
		For 4,500 PSI Concrete, Add	570.16
		For 5,000 PSI Concrete, Add	775.67

**03 Concrete****03 40 Precast Concrete****03 48 Precast Concrete Specialties**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

03 48 22 00-0008	CY	5" Thick 3,000 PSI Concrete Precast Sun Screen Blades	3,277.05	
		For 3,500 PSI Concrete, Add	213.83	
		For 4,000 PSI Concrete, Add	401.77	
		For 4,500 PSI Concrete, Add	590.52	
		For 5,000 PSI Concrete, Add	803.37	
03 48 22 00-0009	CY	6" Thick 3,000 PSI Concrete Precast Sun Screen Blades	3,427.72	
		For 3,500 PSI Concrete, Add	223.66	
		For 4,000 PSI Concrete, Add	420.24	
		For 4,500 PSI Concrete, Add	617.68	
		For 5,000 PSI Concrete, Add	840.31	
03 48 22 00-0010	CY	8" Thick 3,000 PSI Concrete Precast Sun Screen Blades	3,578.39	
		For 3,500 PSI Concrete, Add	233.49	
		For 4,000 PSI Concrete, Add	438.71	
		For 4,500 PSI Concrete, Add	644.83	
		For 5,000 PSI Concrete, Add	877.24	
<b>03 48 22 00-0011</b>		<b>Sun Screen/Trellis Units (03 48 22)</b>		
<b>03 48 22 00-0012</b>		<b>Installation Cost Using A 50 Ton Hydraulic Crane (03 48 22 00-0011)</b>		
		Note: Includes handling, hoisting into place, alignment, bracing and permanent to connections.		
03 48 22 00-0013	EA	Install Precast Trellis, 0-1 Tons/Unit 100' Maximum Radius With 50 Ton Crane	350.30	157.61
03 48 22 00-0014	EA	Install Precast Trellis, 1-3 Tons/Unit 65' Maximum Radius With 50 Ton Crane	391.83	176.38
03 48 22 00-0015	EA	Install Precast Trellis, 3-5 Tons/Unit 50' Maximum Radius With 50 Ton Crane	444.53	200.01
03 48 22 00-0016	EA	Install Precast Trellis, 5-7 Tons/Unit 40' Maximum Radius With 50 Ton Crane	475.09	213.80
<b>03 48 22 00-0017</b>		<b>Material Cost (03 48 22 00-0011)</b>		
		Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 22 00-0018	CY	4" Thick 3,000 PSI Concrete Precast Trellises Blades	3,653.72	
		For 3,500 PSI Concrete, Add	238.41	
		For 4,000 PSI Concrete, Add	447.95	
		For 4,500 PSI Concrete, Add	658.40	
		For 5,000 PSI Concrete, Add	895.71	
03 48 22 00-0019	CY	5" Thick 3,000 PSI Concrete Precast Trellises Blades	3,766.73	
		For 3,500 PSI Concrete, Add	245.78	
		For 4,000 PSI Concrete, Add	461.80	
		For 4,500 PSI Concrete, Add	678.76	
		For 5,000 PSI Concrete, Add	923.41	
03 48 22 00-0020	CY	6" Thick 3,000 PSI Concrete Precast Trellises Blades	3,917.40	
		For 3,500 PSI Concrete, Add	255.61	
		For 4,000 PSI Concrete, Add	480.27	
		For 4,500 PSI Concrete, Add	705.92	
		For 5,000 PSI Concrete, Add	960.35	
03 48 22 00-0021	CY	8" Thick 3,000 PSI Concrete Precast Trellises Blades	4,105.73	
		For 3,500 PSI Concrete, Add	267.90	
		For 4,000 PSI Concrete, Add	503.36	
		For 4,500 PSI Concrete, Add	739.85	
		For 5,000 PSI Concrete, Add	1,006.52	
<b>03 48 24</b>		<b>Precast Minaret Segments (03 48)</b>		
<b>03 48 24 00-0001</b>		<b>Installation Costs Using A 50 Ton Hydraulic Crane (03 48 24)</b>		
		Note: Includes handling, hoisting into place, alignment, bracing and permanent connections.		
<b>03 48 24 00-0002</b>		<b>L - Shaped Segments (03 48 24 00-0001)</b>		
03 48 24 00-0003	EA	Install Minaret, L-Shape Segment, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	340.87	272.71
03 48 24 00-0004	EA	Install Minaret, L-Shape Segment, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	381.99	305.61
03 48 24 00-0005	EA	Install Minaret, L-Shape Segment, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	431.91	345.51
03 48 24 00-0006	EA	Install Minaret, L-Shape Segment, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	460.69	368.55
<b>03 48 24 00-0007</b>		<b>O - Shaped Segments (03 48 24 00-0001)</b>		
03 48 24 00-0008	EA	Install Minaret, O-Shape Segment, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	360.26	288.27
03 48 24 00-0009	EA	Install Minaret, O-Shape Segment, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	404.34	323.42
03 48 24 00-0010	EA	Install Minaret, O-Shape Segment, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	457.92	366.29
03 48 24 00-0011	EA	Install Minaret, O-Shape Segment, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	490.42	392.31
<b>03 48 24 00-0012</b>		<b>Platform Segment (03 48 24 00-0001)</b>		
03 48 24 00-0013	EA	Install Minaret, Platform Segments, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	691.04	552.89
03 48 24 00-0014	EA	Install Minaret, Platform Segments, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	835.33	668.22
03 48 24 00-0015	EA	Install Minaret, Platform Segments, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	927.01	741.62
03 48 24 00-0016	EA	Install Minaret, Platform Segments, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	1,041.30	833.08
<b>03 48 24 00-0017</b>		<b>Cap Segment (03 48 24 00-0001)</b>		
03 48 24 00-0018	EA	Install Minaret, Cap Segments, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	378.18	302.52
03 48 24 00-0019	EA	Install Minaret, Cap Segments, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	422.31	337.79
03 48 24 00-0020	EA	Install Minaret, Cap Segments, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	481.11	384.83
03 48 24 00-0021	EA	Install Minaret, Cap Segments, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	513.62	410.83
<b>03 48 24 00-0022</b>		<b>Installation Costs Using A 90 Ton Crawler Crane (03 48 24)</b>		
		Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting and caulking of joints.		



<b>Concrete</b>	<b>03</b>	<b>03</b>
<b>Precast Concrete</b>	<b>03 40</b>	
<b>Precast Concrete Specialties</b>	<b>03 48</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>03 48 24 00-0023</b>	<b>L - Shaped Segments</b> <small>(03 48 24 00-0022)</small>		
03 48 24 00-0024	EA Install Minaret, L-Shaped Segments, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane .....	345.98	276.80
03 48 24 00-0025	EA Install Minaret, L-Shaped Segments, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane .....	387.71	310.19
03 48 24 00-0026	EA Install Minaret, L-Shaped Segments, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane .....	438.38	350.69
03 48 24 00-0027	EA Install Minaret, L-Shaped Segments, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane .....	467.60	374.07
<b>03 48 24 00-0028</b>	<b>O - Shaped Segment</b> <small>(03 48 24 00-0022)</small>		
03 48 24 00-0029	EA Install Minaret, O-Shaped Segments, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane .....	365.66	292.59
03 48 24 00-0030	EA Install Minaret, O-Shaped Segments, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane .....	410.40	328.27
03 48 24 00-0031	EA Install Minaret, O-Shaped Segments, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane .....	464.79	371.79
03 48 24 00-0032	EA Install Minaret, O-Shaped Segments, 5-7 Ton/Each 79.5' Maximum Radius With 90 Ton Crane .....	497.78	398.19
<b>03 48 24 00-0033</b>	<b>Platform Segment</b> <small>(03 48 24 00-0022)</small>		
03 48 24 00-0034	EA Install Minaret, Platform Segment, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane .....	559.10	447.26
03 48 24 00-0035	EA Install Minaret, Platform Segment, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane .....	676.80	541.41
03 48 24 00-0036	EA Install Minaret, Platform Segment, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane .....	749.07	599.28
03 48 24 00-0037	EA Install Minaret, Platform Segment, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane .....	847.86	678.24
<b>03 48 24 00-0038</b>	<b>Cap Segment</b> <small>(03 48 24 00-0022)</small>		
03 48 24 00-0039	EA Install Minaret, Cap Segment, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane .....	383.85	307.05
03 48 24 00-0040	EA Install Minaret, Cap Segment, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane .....	428.64	342.86
03 48 24 00-0041	EA Install Minaret, Cap Segment, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane .....	488.32	390.60
03 48 24 00-0042	EA Install Minaret, Cap Segment, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane .....	521.32	416.99
<b>03 48 24 00-0043</b>	<b>Material Costs</b> <small>(03 48 24)</small>		
	Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 24 00-0044	CY Precast Concrete Minaret, L-Shaped Segments, 3,000 PSI Concrete .....	9,039.64	
	Note: Including Post Tension Cost		
03 48 24 00-0045	CY Precast Concrete Minaret, O-Shaped Segments, 3,000 PSI Concrete .....	9,039.64	
	Note: Including Post Tension Cost		
03 48 24 00-0046	CY Precast Concrete Minaret, Platform Segments, 3,000 PSI Concrete .....	9,039.64	
	Note: Including Post Tension Cost		
03 48 24 00-0047	CY Precast Concrete Minaret, Cap Segments, 3,000 PSI Concrete .....	9,039.64	
	Note: Including Post Tension Cost		
<b>03 48 29</b>	<b>Precast Accessories</b> <small>(03 48)</small>		
	Note: Includes installation labor, material and equipment.		
<b>03 48 29 00-0001</b>	<b>Bearing Pads For Precast Members</b> <small>(03 48 29)</small>		
<b>03 48 29 00-0002</b>	<b>Continuous 2" Wide Strips</b> <small>(03 48 29 00-0001)</small>		
03 48 29 00-0003	LF Bearing Pads, Continuous 2" Wide x 1/8" Thick Strips .....	1.37	
	Note: For precast members		
03 48 29 00-0004	LF Bearing Pads, Continuous 2" Wide x 1/4" Thick Strips .....	2.00	
	Note: For precast members.		
03 48 29 00-0005	LF Bearing Pads, Continuous 2" Wide x 1/2" Thick Strips .....	3.38	
	Note: For precast members		
03 48 29 00-0006	LF Bearing Pads, Continuous 2" Wide x 3/4" Thick Strips .....	4.78	
	Note: For precast members		
03 48 29 00-0007	LF Bearing Pads, Continuous 2" Wide x 1" Thick Strips .....	6.23	
	Note: For precast members		
03 48 29 00-0008	LF Bearing Pads, Continuous 2" Wide x 1-1/2" Thick Strips .....	9.00	
	Note: For precast members		
<b>03 48 29 00-0009</b>	<b>Bearing Pad Pipe Supports</b> <small>(03 48 29)</small>		
03 48 29 00-0010	LF 4" x 4" Precast Pipe Support .....	8.00	
<b>03 48 46</b>	<b>Precast Skylight Shells</b> <small>(03 48)</small>		
<b>03 48 46 00-0001</b>	<b>Installation Cost Using A 90 Ton Crawler Crane</b> <small>(03 48 46)</small>		
	Note: Includes handling, hoisting into place, alignment, bracing and permanent connections.		
03 48 46 00-0002	EA Install Precast Skylight Shell, 0-4 Tons/Each Based On 90 Ton Crawler Crane .....	498.73	224.46
03 48 46 00-0003	EA Install Precast Skylight Shell, 4-6 Tons/Each Based On 90 Ton Crawler Crane .....	553.78	249.21
03 48 46 00-0004	EA Install Precast Skylight Shell, 6-8 Tons/Each Based On 90 Ton Crawler Crane .....	622.51	280.13
<b>03 48 46 00-0005</b>	<b>Material Cost</b> <small>(03 48 46)</small>		
	Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 46 00-0006	CY 3.5" Thick 3,000 PSI Concrete Precast Skylight With 4.4' Radius .....	3,781.90	
<b>03 48 49</b>	<b>Precast Landings</b> <small>(03 48)</small>		
03 48 49 00-0001	SF 3" Thick Precast Landing .....	93.69	
03 48 49 00-0002	SF 4" Thick Precast Landing .....	109.28	
03 48 49 00-0003	SF 5" Thick Precast Landing .....	124.10	
03 48 49 00-0004	SF 6" Thick Precast Landing .....	143.05	

**03 Concrete****03 40 Precast Concrete****03 48 Precast Concrete Specialties**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST
**03 48 54 Precast Concrete Blocks (03 48)**

03 48 54 00-0001		Precast Concrete Blocks (03 48 54)		
03 48 54 00-0002	EA	2' x 2' x 2' Precast Concrete Block	117.79	39.25
03 48 54 00-0003	EA	2' x 2' x 4' Precast Concrete Block	165.64	49.07
03 48 54 00-0004	EA	2' x 2' x 8' Precast Concrete Block	267.47	58.88

**03 50 Cast Decks and Underlayment (03)****03 51 Cast Roof Decks (03 50)****03 51 13 Cementitious Wood Fiber Decks (03 51)**

03 51 13 00-0001		Cement Fiber Tongue And Groove Planks (03 51 13)		
03 51 13 00-0002	SF	1" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	3.73	
03 51 13 00-0003	SF	1-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	3.88	
03 51 13 00-0004	SF	2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	4.07	
03 51 13 00-0005	SF	2-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	4.61	
03 51 13 00-0006	SF	3" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	5.22	
03 51 13 00-0007	SF	3-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	5.89	
03 51 13 00-0008	SF	4" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	6.74	

**03 51 16 Gypsum Concrete Roof Decks (03 51)**

03 51 16 00-0001		Class A Gypsum Fill Concrete Deck (03 51 16)		
03 51 16 00-0002	SF	2" Thick Precast Gypsum Fill Concrete Deck, Class A	10.43	0.52
03 51 16 00-0003	SF	2-1/2" Thick Precast Gypsum Fill Concrete Deck, Class A	12.92	0.61
03 51 16 00-0004	SF	3" Thick Precast Gypsum Fill Concrete Deck, Class A	15.44	0.70
03 51 16 00-0005	SF	3-1/2" Thick Precast Gypsum Fill Concrete Deck, Class A	17.97	0.78
03 51 16 00-0006	SF	4" Thick Precast Gypsum Fill Concrete Deck, Class A	20.52	0.87

**03 51 16 00-0007 Form Board For Lightweight Deck (03 51 16)**

03 51 16 00-0008	SF	Gypsum Deck Form Board, 1/2" Drywall For Lightweight Deck	1.96	
03 51 16 00-0009	SF	Gypsum Deck Form Board, 1" Mineral Fiber Board For Lightweight Deck	2.54	
03 51 16 00-0010	SF	Gypsum Deck Form Board, 1-1/2" Mineral Fiber Board For Lightweight Deck	5.00	
03 51 16 00-0011	SF	Gypsum Deck Form Board, 1" Cementitious Fiber Board For Lightweight Deck	2.15	0.57
03 51 16 00-0012	SF	Gypsum Deck Form Board, 1-1/2" Cementitious Fiber Board For Lightweight Deck	2.58	0.57
03 51 16 00-0013	SF	Gypsum Deck Form Board, 1" Glass Fiber Board For Lightweight Deck	2.81	0.57
03 51 16 00-0014	SF	Gypsum Deck Form Board, 1-1/2" Glass Fiber Board For Lightweight Deck	3.44	0.57

**03 51 16 00-0015 Gypsum Plank (03 51 16)**

03 51 16 00-0016	SF	2" Thick, Insulating Concrete Gypsum Plank, Roof Deck	3.91	
03 51 16 00-0017	SF	3" Thick, Insulating Concrete Gypsum Plank, Roof Deck	5.17	

**03 53 Concrete Topping (03 50)**

Note: Installed over new or existing concrete.

**03 53 14 Granolithic Concrete Topping (03 53)****03 53 14 00-0001 Granolithic Topping Laid After (03 53 14)**

Note: Using 1:1:1-1/2 mix.

03 53 14 00-0002	SF	1/2" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix	4.05	
03 53 14 00-0003	SF	1" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix	4.41	
03 53 14 00-0004	SF	2" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix	5.58	

**03 53 19 Concrete Overlayment (03 53)****03 53 19 00-0001 Integral Topping Including Hard Trowel Finish (03 53 19)**

Note: Using 1:1:2 mix.

03 53 19 00-0002	SF	3/16" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	2.41	
03 53 19 00-0003	SF	1/2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	2.72	
03 53 19 00-0004	SF	3/4" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	3.20	
03 53 19 00-0005	SF	1" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	3.80	
03 53 19 00-0006	SF	2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	5.41	
03 53 19 00-0007	SF	2-1/2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	4.69	
03 53 19 00-0008	SF	3" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	5.26	

**03 54 Cast Underlayment (03 50)**

Note: Includes primer. Excludes sandblasting existing smooth finished concrete surface (where necessary).

**03 54 16 Hydraulic Cement Underlayment (03 54)****03 54 16 00-0001 Self Leveling Cementitious Underlayment For Floors (03 54 16)**

Note: Includes primer.

03 54 16 00-0002	SF	1/8" Thick Self Leveling Cementitious Underlayment For Floors	1.65	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	0.14	
		For >100 To 250 SF, Add	0.07	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 54 16 00-0003	SF			1/4" Thick Self Leveling Cementitious Underlayment For Floors ..... Note: Including Surface Preparation	2.86	
				For Up To 100 SF, Add	0.14	
				For >100 To 250 SF, Add	0.07	
03 54 16 00-0004	SF			3/8" Thick Self Leveling Cementitious Underlayment For Floors ..... Note: Including Surface Preparation	3.66	
				For Up To 100 SF, Add	0.14	
				For >100 To 250 SF, Add	0.07	
03 54 16 00-0005	SF			1/2" Thick Self Leveling Cementitious Underlayment For Floors ..... Note: Including Surface Preparation	5.26	
				For Up To 100 SF, Add	0.14	
				For >100 To 250 SF, Add	0.07	
03 54 16 00-0006	SF			5/8" Thick Self Leveling Cementitious Underlayment For Floors ..... Note: Including Surface Preparation	6.23	
				For Up To 100 SF, Add	0.14	
				For >100 To 250 SF, Add	0.07	
03 54 16 00-0007	SF			3/4" Thick Self Leveling Cementitious Underlayment For Floors ..... Note: Including Surface Preparation	7.71	
				For Up To 100 SF, Add	0.16	
				For >100 To 250 SF, Add	0.08	
03 54 16 00-0008	SF			1" Thick Self Leveling Cementitious Underlayment For Floors ..... Note: Including Surface Preparation	10.12	
				For Up To 100 SF, Add	0.16	
				For >100 To 250 SF, Add	0.08	
03 54 16 00-0009	SF			1-1/4" Thick Self Leveling Cementitious Underlayment For Floors ..... Note: Including Surface Preparation	13.36	
				For Up To 100 SF, Add	0.18	
				For >100 To 250 SF, Add	0.09	
03 54 16 00-0010	SF			1-1/2" Thick Self Leveling Cementitious Underlayment For Floors ..... Note: Including Surface Preparation	14.97	
				For Up To 100 SF, Add	0.18	
				For >100 To 250 SF, Add	0.09	
03 54 16 00-0011	SF			1-3/4" Thick Self Leveling Cementitious Underlayment For Floors ..... Note: Including Surface Preparation	19.88	
				For Up To 100 SF, Add	0.22	
				For >100 To 250 SF, Add	0.11	

### 03 60 Grouting <sup>(03)</sup>

#### 03 61 Cementitious Grouting <sup>(03 60)</sup>

Note: 1 part cement to 3 parts sand by volume.

##### 03 61 16 Cementitious Flowable Grout <sup>(03 61)</sup>

03 61 16 00-0001	SF	Cementitious Flowable Grout <sup>(03 61 16)</sup>		443.90
03 61 16 00-0002	CY	Cementitious Flowable Grout.....		443.90

#### 03 62 Non-Shrink Grouting <sup>(03 60)</sup>

##### 03 62 13 Non-Metallic Non-Shrink Grouting <sup>(03 62)</sup>

03 62 13 00-0001	SF	Fluid Type, Non-Metallic Non-Shrink Grouting For Bases <sup>(03 62 13)</sup>		
03 62 13 00-0002	SF	1" Deep, Fluid Type, Non-Metallic Non-Shrink Grout For Bases.....		25.27
03 62 13 00-0003	SF	2" Deep, Fluid Type, Non-Metallic Non-Shrink Grout For Bases.....		37.59
03 62 13 00-0004	SF	Non-Metallic Non-Shrink Grouting For Bases <sup>(03 62 13)</sup>		
03 62 13 00-0005	SF	1" Deep, Non-Metallic Non-Shrink Grout For Bases.....		38.79
03 62 13 00-0006	SF	2" Deep, Non-Metallic Non-Shrink Grout For Bases.....		62.40
03 62 13 00-0007	SF	Non-Metallic Non-Shrink Grouting For Joints <sup>(03 62 13)</sup>		
03 62 13 00-0008	SF	1/2" Joint Thickness, Non-Metallic Non-Shrink Grout For Joints <sup>(03 62 13 00-0007)</sup>		
03 62 13 00-0009	LF	4" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints.....		1.98
03 62 13 00-0010	LF	6" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints.....		2.60
03 62 13 00-0011	LF	8" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints.....		3.44
03 62 13 00-0012	SF	1" Joint Thickness, Non-Metallic Non-Shrink Grout For Joints <sup>(03 62 13 00-0007)</sup>		
03 62 13 00-0013	LF	4" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints.....		2.94
03 62 13 00-0014	LF	6" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints.....		3.93
03 62 13 00-0015	LF	8" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints.....		5.21
03 62 16	SF	Metallic Non-Shrink Grouting <sup>(03 62)</sup>		
03 62 16 00-0001	SF	Metallic Non-Shrink Grouting For Bases <sup>(03 62 16)</sup>		
03 62 16 00-0002	SF	1" Deep, Metallic Non-Shrink Grout For Bases.....		32.66
03 62 16 00-0003	SF	2" Deep, Metallic Non-Shrink Grout For Bases.....		50.52
03 62 16 00-0004	SF	Metallic Non-Shrink Grouting For Joints <sup>(03 62 16)</sup>		
03 62 16 00-0005	SF	1/2" Joint Thickness, Metallic Non-Shrink Grout For Joints <sup>(03 62 16 00-0004)</sup>		

**03 Concrete****03 60 Grouting****03 62 Non-Shrink Grouting**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

03 62 16 00-0006	LF	4" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints.....	1.60
03 62 16 00-0007	LF	6" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints.....	2.03
03 62 16 00-0008	LF	8" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints.....	2.70

**03 62 16 00-0009 1" Joint Thickness, Metallic Non-Shrink Grout For Joints (03 62 16 00-0004)**

03 62 16 00-0010	LF	4" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints.....	2.20
03 62 16 00-0011	LF	6" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints.....	2.77
03 62 16 00-0012	LF	8" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints.....	3.70

**03 64 Injection Grouting (03 60)**

Note: By volume of void filled. Includes injection ports.

**03 64 23 Epoxy Injection Grouting (03 64)**
**03 64 23 00-0001 Pressure Injected Epoxy Grout (03 64 23)**

03 64 23 00-0002	CF	Pressure Injected Epoxy Grout.....	1,083.72
		<i>For &gt;4, Deduct</i>	-114.17

**03 64 26 Cementitious Injection Grouting (03 64)**
**03 64 26 00-0001 Pressure Injected Cementitious Grout (03 64 26)**

03 64 26 00-0002	CF	Pressure Injected Cementitious Grout.....	193.37
		<i>For &gt;4, Deduct</i>	-49.01

**03 80 Concrete Cutting and Boring (03)**
**03 81 Concrete Cutting (03 80)**
**03 81 13 Flat Concrete Sawing (03 81)**

See CSI section 02 41 19 13-0001 for saw cutting.

**03 81 16 Track Mounted Concrete Wall Sawing (03 81)**

See CSI section 02 41 19 13-0001 for saw cutting.

**03 82 Concrete Boring (03 80)**
**03 82 13 Concrete Core Drilling (03 82)**

See CSI section 02 41 19 13-0024 for core drilling.

**END OF SECTION 03**

## 04 Masonry

### 04 01 Maintenance of Masonry <sup>(04)</sup>

#### 04 01 20 Maintenance of Unit Masonry <sup>(04 01)</sup>

Note: For use on existing brick. Includes clean-up of debris. Excludes disposal.

##### 04 01 20 41 Unit Masonry Stabilization <sup>(04 01 20)</sup>

###### 04 01 20 41-0001 Unit Masonry Stabilization (Helifix®) <sup>(04 01 20 41)</sup>

###### 04 01 20 41-0002 Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) <sup>(04 01 20 41-0001)</sup>

Note: Austenitic stainless steel. For stabilizing solid masonry. Includes drilling, cementitious grout and patching surface.

###### 04 01 20 41-0003 304 Stainless Steel Helical Pin, Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) <sup>(04 01 20 41-0002)</sup>

04 01 20 41-0004	EA	8mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie) .....	22.28
		For Up To 10, Add	9.85
		For >10 To 50, Add	4.93
04 01 20 41-0005	EA	8mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie) .....	32.05
		For Up To 10, Add	9.85
		For >10 To 50, Add	4.93
04 01 20 41-0006	EA	8mm Diameter, 900mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie) .....	42.65
		For Up To 10, Add	9.85
		For >10 To 50, Add	4.93

###### 04 01 20 41-0007 316 Stainless Steel Helical Pin, Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) <sup>(04 01 20 41-0002)</sup>

04 01 20 41-0008	EA	8mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie) .....	24.40
		For Up To 10, Add	9.85
		For >10 To 50, Add	4.93
04 01 20 41-0009	EA	8mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie) .....	35.81
		For Up To 10, Add	9.85
		For >10 To 50, Add	4.93
04 01 20 41-0010	EA	8mm Diameter, 900mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie) .....	48.29
		For Up To 10, Add	9.85
		For >10 To 50, Add	4.93

###### 04 01 20 41-0011 Ties For Stitching Masonry Cracks (Helifix® Helibar) <sup>(04 01 20 41-0001)</sup>

Note: Austenitic stainless steel. For stabilizing cracked masonry. Includes removing horizontal mortar and re-pointing mortar bed. Includes cementitious grout. Excludes repairing vertical crack.

###### 04 01 20 41-0012 304 Stainless Steel Helical Pin, Ties For Stitching Masonry Cracks (Helifix® Helibar) <sup>(04 01 20 41-0011)</sup>

04 01 20 41-0013	EA	4.5mm Diameter, 1m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	59.77
		For Up To 10, Add	39.40
		For >10 To 50, Add	19.70
04 01 20 41-0014	EA	4.5mm Diameter, 1.2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	65.32
		For Up To 10, Add	39.40
		For >10 To 50, Add	19.70
04 01 20 41-0015	EA	4.5mm Diameter, 7m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	194.07
		For Up To 10, Add	39.40
		For >10 To 50, Add	19.70
04 01 20 41-0016	EA	6mm Diameter, 1m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	59.77
		For Up To 10, Add	39.40
		For >10 To 50, Add	19.70
04 01 20 41-0017	EA	6mm Diameter, 1.2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	65.32
		For Up To 10, Add	39.40
		For >10 To 50, Add	19.70
04 01 20 41-0018	EA	6mm Diameter, 1.5m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	71.63
		For Up To 10, Add	39.40
		For >10 To 50, Add	19.70
04 01 20 41-0019	EA	6mm Diameter, 2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	83.50
		For Up To 10, Add	39.40
		For >10 To 50, Add	19.70
04 01 20 41-0020	EA	6mm Diameter, 7m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	194.07
		For Up To 10, Add	39.40
		For >10 To 50, Add	19.70

###### 04 01 20 41-0021 316 Stainless Steel Helical Pin, Ties For Stitching Masonry Cracks (Helifix® Helibar) <sup>(04 01 20 41-0011)</sup>

04 01 20 41-0022	EA	4.5mm Diameter, 1m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	62.79
		For Up To 10, Add	39.40
		For >10 To 50, Add	19.70

**04 Masonry****04 01 Maintenance of Masonry****04 01 20 Maintenance of Unit Masonry**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

04 01 20 41-0023	EA	4.5mm Diameter, 1.2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	69.35	
		For Up To 10, Add	39.40	
		For >10 To 50, Add	19.70	
04 01 20 41-0024	EA	4.5mm Diameter, 7m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	219.25	
		For Up To 10, Add	39.40	
		For >10 To 50, Add	19.70	
04 01 20 41-0025	EA	6mm Diameter, 1m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	62.79	
		For Up To 10, Add	39.40	
		For >10 To 50, Add	19.70	
04 01 20 41-0026	EA	6mm Diameter, 1.2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	69.35	
		For Up To 10, Add	39.40	
		For >10 To 50, Add	19.70	
04 01 20 41-0027	EA	6mm Diameter, 1.5m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	76.67	
		For Up To 10, Add	39.40	
		For >10 To 50, Add	19.70	
04 01 20 41-0028	EA	6mm Diameter, 2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	90.55	
		For Up To 10, Add	39.40	
		For >10 To 50, Add	19.70	
04 01 20 41-0029	EA	6mm Diameter, 7m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	219.25	
		For Up To 10, Add	39.40	
		For >10 To 50, Add	19.70	
<b>04 01 20 41-0030</b>		<b>Mechanical Repair Anchors (Helifix® TorkFix)</b> (04 01 20 41-0001)		
		Note: Austenitic stainless steel. For stabilizing masonry veneer walls to inner wythes of brick, concrete block, wood studs or steel studs. Includes drilling and patching surface.		
<b>04 01 20 41-0031</b>		<b>304 Stainless Steel, Mechanical Repair Anchors (Helifix® TorkFix)</b> (04 01 20 41-0030)		
04 01 20 41-0032	EA	4-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	11.26	
		For Up To 10, Add	5.91	
		For >10 To 50, Add	2.96	
04 01 20 41-0033	EA	5-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	12.26	
		For Up To 10, Add	5.91	
		For >10 To 50, Add	2.96	
04 01 20 41-0034	EA	6-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	13.25	
		For Up To 10, Add	5.91	
		For >10 To 50, Add	2.96	
04 01 20 41-0035	EA	7-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	14.25	
		For Up To 10, Add	5.91	
		For >10 To 50, Add	2.96	
04 01 20 41-0036	EA	8-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	15.24	
		For Up To 10, Add	5.91	
		For >10 To 50, Add	2.96	
04 01 20 41-0037	EA	9-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	16.24	
		For Up To 10, Add	5.91	
		For >10 To 50, Add	2.96	
04 01 20 41-0038	EA	4-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	11.26	
		For Up To 10, Add	5.91	
		For >10 To 50, Add	2.96	
04 01 20 41-0039	EA	5-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	12.26	
		For Up To 10, Add	5.91	
		For >10 To 50, Add	2.96	
04 01 20 41-0040	EA	6-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	13.25	
		For Up To 10, Add	5.91	
		For >10 To 50, Add	2.96	
04 01 20 41-0041	EA	7-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	14.25	
		For Up To 10, Add	5.91	
		For >10 To 50, Add	2.96	
04 01 20 41-0042	EA	8-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	15.24	
		For Up To 10, Add	5.91	
		For >10 To 50, Add	2.96	
04 01 20 41-0043	EA	10-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	17.23	
		For Up To 10, Add	5.91	
		For >10 To 50, Add	2.96	
04 01 20 41-0044	EA	4-1/2" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	11.26	
		For Up To 10, Add	5.91	
		For >10 To 50, Add	2.96	
04 01 20 41-0045	EA	6-1/2" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	13.25	
		For Up To 10, Add	5.91	
		For >10 To 50, Add	2.96	
04 01 20 41-0046	EA	8" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	14.74	
		For Up To 10, Add	5.91	
		For >10 To 50, Add	2.96	
<b>04 01 20 41-0047</b>		<b>316 Stainless Steel, Mechanical Repair Anchors (Helifix® TorkFix)</b> (04 01 20 41-0030)		
04 01 20 41-0048	EA	4-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	11.26	
		For Up To 10, Add	5.91	
		For >10 To 50, Add	2.96	
04 01 20 41-0049	EA	5-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	12.26	
		For Up To 10, Add	5.91	
		For >10 To 50, Add	2.96	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0050 EA 6-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorxFix).....	13.25	
For Up To 10, Add	5.91	
For >10 To 50, Add	2.96	
04 01 20 41-0051 EA 7-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorxFix).....	14.25	
For Up To 10, Add	5.91	
For >10 To 50, Add	2.96	
04 01 20 41-0052 EA 8-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorxFix).....	15.24	
For Up To 10, Add	5.91	
For >10 To 50, Add	2.96	
04 01 20 41-0053 EA 9-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorxFix).....	16.24	
For Up To 10, Add	5.91	
For >10 To 50, Add	2.96	
04 01 20 41-0054 EA 4-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorxFix).....	11.26	
For Up To 10, Add	5.91	
For >10 To 50, Add	2.96	
04 01 20 41-0055 EA 5-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorxFix).....	12.26	
For Up To 10, Add	5.91	
For >10 To 50, Add	2.96	
04 01 20 41-0056 EA 6-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorxFix).....	13.25	
For Up To 10, Add	5.91	
For >10 To 50, Add	2.96	
04 01 20 41-0057 EA 7-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorxFix).....	14.25	
For Up To 10, Add	5.91	
For >10 To 50, Add	2.96	
04 01 20 41-0058 EA 8-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorxFix).....	15.24	
For Up To 10, Add	5.91	
For >10 To 50, Add	2.96	
04 01 20 41-0059 EA 10-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorxFix).....	17.23	
For Up To 10, Add	5.91	
For >10 To 50, Add	2.96	
04 01 20 41-0060 EA 4-1/2" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorxFix).....	11.26	
For Up To 10, Add	5.91	
For >10 To 50, Add	2.96	
04 01 20 41-0061 EA 6-1/2" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorxFix).....	13.25	
For Up To 10, Add	5.91	
For >10 To 50, Add	2.96	
04 01 20 41-0062 EA 8" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorxFix).....	14.74	
For Up To 10, Add	5.91	
For >10 To 50, Add	2.96	
<b>04 01 20 41-0063 Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) (04 01 20 41-0001)</b>		
<i>Note: Austenitic stainless steel. For pinning stucco, terracotta, granite, marble, etc., to concrete block, brick or solid concrete. Includes drilling and patching surface.</i>		
<b>04 01 20 41-0064 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) (04 01 20 41-0063)</b>		
04 01 20 41-0065 EA 8mm Diameter, 115mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	8.92	
For Up To 10, Add	5.91	
For >10 To 50, Add	2.96	
For Metal Stud Clip, Add	2.49	
04 01 20 41-0066 EA 8mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.28	
For Up To 10, Add	5.91	
For >10 To 50, Add	2.96	
For Metal Stud Clip, Add	2.49	
04 01 20 41-0067 EA 8mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.35	
For Up To 10, Add	5.91	
For >10 To 50, Add	2.96	
For Metal Stud Clip, Add	2.49	
04 01 20 41-0068 EA 8mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.50	
For Up To 10, Add	5.91	
For >10 To 50, Add	2.96	
For Metal Stud Clip, Add	2.49	
04 01 20 41-0069 EA 8mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.76	
For Up To 10, Add	5.91	
For >10 To 50, Add	2.96	
For Metal Stud Clip, Add	2.49	
04 01 20 41-0070 EA 8mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.98	
For Up To 10, Add	5.91	
For >10 To 50, Add	2.96	
For Metal Stud Clip, Add	2.49	
04 01 20 41-0071 EA 8mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.09	
For Up To 10, Add	5.91	
For >10 To 50, Add	2.96	
For Metal Stud Clip, Add	2.49	

**04 Masonry**  
**04 01 Maintenance of Masonry**  
**04 01 20 Maintenance of Unit Masonry**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

04 01 20 41-0072	EA	8mm Diameter, 295mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.23
		<i>For Up To 10, Add</i>	5.91
		<i>For &gt;10 To 50, Add</i>	2.96
		<i>For Metal Stud Clip, Add</i>	2.49
04 01 20 41-0073	EA	8mm Diameter, 325mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.86
		<i>For Up To 10, Add</i>	5.91
		<i>For &gt;10 To 50, Add</i>	2.96
		<i>For Metal Stud Clip, Add</i>	2.49
04 01 20 41-0074	EA	8mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.95
		<i>For Up To 10, Add</i>	5.91
		<i>For &gt;10 To 50, Add</i>	2.96
		<i>For Metal Stud Clip, Add</i>	2.49
04 01 20 41-0075	EA	8mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.72
		<i>For Up To 10, Add</i>	5.91
		<i>For &gt;10 To 50, Add</i>	2.96
		<i>For Metal Stud Clip, Add</i>	2.49
04 01 20 41-0076	EA	8mm Diameter, 450mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.36
		<i>For Up To 10, Add</i>	5.91
		<i>For &gt;10 To 50, Add</i>	2.96
		<i>For Metal Stud Clip, Add</i>	2.49
04 01 20 41-0077	EA	8mm Diameter, 500mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.92
		<i>For Up To 10, Add</i>	5.91
		<i>For &gt;10 To 50, Add</i>	2.96
		<i>For Metal Stud Clip, Add</i>	2.49
04 01 20 41-0078	EA	8mm Diameter, 550mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	14.87
		<i>For Up To 10, Add</i>	5.91
		<i>For &gt;10 To 50, Add</i>	2.96
		<i>For Metal Stud Clip, Add</i>	2.49
04 01 20 41-0079	EA	8mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	16.61
		<i>For Up To 10, Add</i>	5.91
		<i>For &gt;10 To 50, Add</i>	2.96
		<i>For Metal Stud Clip, Add</i>	2.49
04 01 20 41-0080	EA	8mm Diameter, 700mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	18.91
		<i>For Up To 10, Add</i>	5.91
		<i>For &gt;10 To 50, Add</i>	2.96
		<i>For Metal Stud Clip, Add</i>	2.49
04 01 20 41-0081	EA	10mm Diameter, 125mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.04
		<i>For Up To 10, Add</i>	5.91
		<i>For &gt;10 To 50, Add</i>	2.96
		<i>For Metal Stud Clip, Add</i>	2.49
04 01 20 41-0082	EA	10mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.43
		<i>For Up To 10, Add</i>	5.91
		<i>For &gt;10 To 50, Add</i>	2.96
		<i>For Metal Stud Clip, Add</i>	2.49
04 01 20 41-0083	EA	10mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.78
		<i>For Up To 10, Add</i>	5.91
		<i>For &gt;10 To 50, Add</i>	2.96
		<i>For Metal Stud Clip, Add</i>	2.49
04 01 20 41-0084	EA	10mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.09
		<i>For Up To 10, Add</i>	5.91
		<i>For &gt;10 To 50, Add</i>	2.96
		<i>For Metal Stud Clip, Add</i>	2.49
04 01 20 41-0085	EA	10mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.29
		<i>For Up To 10, Add</i>	5.91
		<i>For &gt;10 To 50, Add</i>	2.96
		<i>For Metal Stud Clip, Add</i>	2.49
04 01 20 41-0086	EA	10mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.43
		<i>For Up To 10, Add</i>	5.91
		<i>For &gt;10 To 50, Add</i>	2.96
		<i>For Metal Stud Clip, Add</i>	2.49
04 01 20 41-0087	EA	10mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.65
		<i>For Up To 10, Add</i>	5.91
		<i>For &gt;10 To 50, Add</i>	2.96
		<i>For Metal Stud Clip, Add</i>	2.49
04 01 20 41-0088	EA	10mm Diameter, 300mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.75
		<i>For Up To 10, Add</i>	5.91
		<i>For &gt;10 To 50, Add</i>	2.96
		<i>For Metal Stud Clip, Add</i>	2.49
04 01 20 41-0089	EA	10mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.20
		<i>For Up To 10, Add</i>	5.91
		<i>For &gt;10 To 50, Add</i>	2.96
		<i>For Metal Stud Clip, Add</i>	2.49



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0090	EA			10mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.85	
				For Up To 10, Add	5.91	
				For >10 To 50, Add	2.96	
				For Metal Stud Clip, Add	2.49	
04 01 20 41-0091	EA			10mm Diameter, 450mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.38	
				For Up To 10, Add	5.91	
				For >10 To 50, Add	2.96	
				For Metal Stud Clip, Add	2.49	
04 01 20 41-0092	EA			10mm Diameter, 500mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	13.06	
				For Up To 10, Add	5.91	
				For >10 To 50, Add	2.96	
				For Metal Stud Clip, Add	2.49	
04 01 20 41-0093	EA			10mm Diameter, 550mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	16.72	
				For Up To 10, Add	5.91	
				For >10 To 50, Add	2.96	
				For Metal Stud Clip, Add	2.49	
04 01 20 41-0094	EA			10mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	18.77	
				For Up To 10, Add	5.91	
				For >10 To 50, Add	2.96	
				For Metal Stud Clip, Add	2.49	
04 01 20 41-0095	EA			10mm Diameter, 700mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	21.95	
				For Up To 10, Add	5.91	
				For >10 To 50, Add	2.96	
				For Metal Stud Clip, Add	2.49	
04 01 20 41-0096	EA			8mm Tapered To 6.5mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	9.88	
				For Up To 10, Add	5.91	
				For >10 To 50, Add	2.96	
				For Metal Stud Clip, Add	2.49	
04 01 20 41-0097	EA			8mm Tapered To 6.5mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	10.11	
				For Up To 10, Add	5.91	
				For >10 To 50, Add	2.96	
				For Metal Stud Clip, Add	2.49	
04 01 20 41-0098	EA			8mm Tapered To 6.5mm Diameter, 185mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	10.26	
				For Up To 10, Add	5.91	
				For >10 To 50, Add	2.96	
				For Metal Stud Clip, Add	2.49	
04 01 20 41-0099	EA			8mm Tapered To 6.5mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	10.37	
				For Up To 10, Add	5.91	
				For >10 To 50, Add	2.96	
				For Metal Stud Clip, Add	2.49	
04 01 20 41-0100	EA			8mm Tapered To 6.5mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	10.69	
				For Up To 10, Add	5.91	
				For >10 To 50, Add	2.96	
				For Metal Stud Clip, Add	2.49	
04 01 20 41-0101	EA			8mm Tapered To 6.5mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.19	
				For Up To 10, Add	5.91	
				For >10 To 50, Add	2.96	
				For Metal Stud Clip, Add	2.49	
04 01 20 41-0102	EA			8mm Tapered To 6.5mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.38	
				For Up To 10, Add	5.91	
				For >10 To 50, Add	2.96	
				For Metal Stud Clip, Add	2.49	
04 01 20 41-0103	EA			8mm Tapered To 6.5mm Diameter, 295mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.89	
				For Up To 10, Add	5.91	
				For >10 To 50, Add	2.96	
				For Metal Stud Clip, Add	2.49	
04 01 20 41-0104	EA			10mm Tapered To 8mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	10.47	
				For Up To 10, Add	5.91	
				For >10 To 50, Add	2.96	
				For Metal Stud Clip, Add	2.49	
04 01 20 41-0105	EA			10mm Tapered To 8mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	10.91	
				For Up To 10, Add	5.91	
				For >10 To 50, Add	2.96	
				For Metal Stud Clip, Add	2.49	
04 01 20 41-0106	EA			10mm Tapered To 8mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.22	
				For Up To 10, Add	5.91	
				For >10 To 50, Add	2.96	
				For Metal Stud Clip, Add	2.49	
04 01 20 41-0107	EA			10mm Tapered To 8mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.42	
				For Up To 10, Add	5.91	
				For >10 To 50, Add	2.96	
				For Metal Stud Clip, Add	2.49	

**04 Masonry****04 01 Maintenance of Masonry****04 01 20 Maintenance of Unit Masonry**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

04 01 20 41-0108	EA	10mm Tapered To 8mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	11.56
		For Up To 10, Add	5.91
		For >10 To 50, Add	2.96
		For Metal Stud Clip, Add	2.49
04 01 20 41-0109	EA	10mm Tapered To 8mm Diameter, 300mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	11.89
		For Up To 10, Add	5.91
		For >10 To 50, Add	2.96
		For Metal Stud Clip, Add	2.49
04 01 20 41-0110	EA	304 Stainless Steel, Seismic Connector (Helifix® DryFix®) .....	4.75
		Note: For installation over the DryFix® helical pin. Excludes removal of grout from the horizontal mortar joint and installation of Helibar or 9 gauge continuous wire.	
		For Up To 10, Add	2.96
		For >10 To 50, Add	1.48
<b>04 01 20 41-0111</b>		<b>316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) (04 01 20 41-0063)</b>	
04 01 20 41-0112	EA	8mm Diameter, 115mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) .....	9.49
		For Up To 10, Add	5.91
		For >10 To 50, Add	2.96
		For Metal Stud Clip, Add	2.49
04 01 20 41-0113	EA	8mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) .....	9.94
		For Up To 10, Add	5.91
		For >10 To 50, Add	2.96
		For Metal Stud Clip, Add	2.49
04 01 20 41-0114	EA	8mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) .....	10.03
		For Up To 10, Add	5.91
		For >10 To 50, Add	2.96
		For Metal Stud Clip, Add	2.49
04 01 20 41-0115	EA	8mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) .....	10.21
		For Up To 10, Add	5.91
		For >10 To 50, Add	2.96
		For Metal Stud Clip, Add	2.49
04 01 20 41-0116	EA	8mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) .....	10.53
		For Up To 10, Add	5.91
		For >10 To 50, Add	2.96
		For Metal Stud Clip, Add	2.49
04 01 20 41-0117	EA	8mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) .....	10.80
		For Up To 10, Add	5.91
		For >10 To 50, Add	2.96
		For Metal Stud Clip, Add	2.49
04 01 20 41-0118	EA	8mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) .....	10.94
		For Up To 10, Add	5.91
		For >10 To 50, Add	2.96
		For Metal Stud Clip, Add	2.49
04 01 20 41-0119	EA	8mm Diameter, 295mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) .....	11.12
		For Up To 10, Add	5.91
		For >10 To 50, Add	2.96
		For Metal Stud Clip, Add	2.49
04 01 20 41-0120	EA	8mm Diameter, 325mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) .....	11.78
		For Up To 10, Add	5.91
		For >10 To 50, Add	2.96
		For Metal Stud Clip, Add	2.49
04 01 20 41-0121	EA	8mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) .....	11.90
		For Up To 10, Add	5.91
		For >10 To 50, Add	2.96
		For Metal Stud Clip, Add	2.49
04 01 20 41-0122	EA	8mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) .....	12.85
		For Up To 10, Add	5.91
		For >10 To 50, Add	2.96
		For Metal Stud Clip, Add	2.49
04 01 20 41-0123	EA	8mm Diameter, 450mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) .....	13.66
		For Up To 10, Add	5.91
		For >10 To 50, Add	2.96
		For Metal Stud Clip, Add	2.49
04 01 20 41-0124	EA	8mm Diameter, 500mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) .....	14.35
		For Up To 10, Add	5.91
		For >10 To 50, Add	2.96
		For Metal Stud Clip, Add	2.49
04 01 20 41-0125	EA	8mm Diameter, 550mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) .....	16.79
		For Up To 10, Add	5.91
		For >10 To 50, Add	2.96
		For Metal Stud Clip, Add	2.49

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0126	EA			8mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	18.77	
				For Up To 10, Add	5.91	
				For >10 To 50, Add	2.96	
				For Metal Stud Clip, Add	2.49	
04 01 20 41-0127	EA			8mm Diameter, 700mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	21.65	
				For Up To 10, Add	5.91	
				For >10 To 50, Add	2.96	
				For Metal Stud Clip, Add	2.49	
04 01 20 41-0128	EA			10mm Diameter, 125mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.72	
				For Up To 10, Add	5.91	
				For >10 To 50, Add	2.96	
				For Metal Stud Clip, Add	2.49	
04 01 20 41-0129	EA			10mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.16	
				For Up To 10, Add	5.91	
				For >10 To 50, Add	2.96	
				For Metal Stud Clip, Add	2.49	
04 01 20 41-0130	EA			10mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.60	
				For Up To 10, Add	5.91	
				For >10 To 50, Add	2.96	
				For Metal Stud Clip, Add	2.49	
04 01 20 41-0131	EA			10mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.98	
				For Up To 10, Add	5.91	
				For >10 To 50, Add	2.96	
				For Metal Stud Clip, Add	2.49	
04 01 20 41-0132	EA			10mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.23	
				For Up To 10, Add	5.91	
				For >10 To 50, Add	2.96	
				For Metal Stud Clip, Add	2.49	
04 01 20 41-0133	EA			10mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.40	
				For Up To 10, Add	5.91	
				For >10 To 50, Add	2.96	
				For Metal Stud Clip, Add	2.49	
04 01 20 41-0134	EA			10mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.69	
				For Up To 10, Add	5.91	
				For >10 To 50, Add	2.96	
				For Metal Stud Clip, Add	2.49	
04 01 20 41-0135	EA			10mm Diameter, 300mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.81	
				For Up To 10, Add	5.91	
				For >10 To 50, Add	2.96	
				For Metal Stud Clip, Add	2.49	
04 01 20 41-0136	EA			10mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.33	
				For Up To 10, Add	5.91	
				For >10 To 50, Add	2.96	
				For Metal Stud Clip, Add	2.49	
04 01 20 41-0137	EA			10mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	13.06	
				For Up To 10, Add	5.91	
				For >10 To 50, Add	2.96	
				For Metal Stud Clip, Add	2.49	
04 01 20 41-0138	EA			10mm Diameter, 450mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	13.73	
				For Up To 10, Add	5.91	
				For >10 To 50, Add	2.96	
				For Metal Stud Clip, Add	2.49	
04 01 20 41-0139	EA			10mm Diameter, 500mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	14.57	
				For Up To 10, Add	5.91	
				For >10 To 50, Add	2.96	
				For Metal Stud Clip, Add	2.49	
04 01 20 41-0140	EA			10mm Diameter, 550mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	19.15	
				For Up To 10, Add	5.91	
				For >10 To 50, Add	2.96	
				For Metal Stud Clip, Add	2.49	
04 01 20 41-0141	EA			10mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	21.34	
				For Up To 10, Add	5.91	
				For >10 To 50, Add	2.96	
				For Metal Stud Clip, Add	2.49	
04 01 20 41-0142	EA			10mm Diameter, 700mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	25.31	
				For Up To 10, Add	5.91	
				For >10 To 50, Add	2.96	
				For Metal Stud Clip, Add	2.49	
04 01 20 41-0143	EA			8mm Tapered To 6.5mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	10.79	
				For Up To 10, Add	5.91	
				For >10 To 50, Add	2.96	
				For Metal Stud Clip, Add	2.49	

**04 Masonry**  
**04 01 Maintenance of Masonry**  
**04 01 20 Maintenance of Unit Masonry**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

04 01 20 41-0144	EA	8mm Tapered To 6.5mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	11.04
		For Up To 10, Add	5.91
		For >10 To 50, Add	2.96
		For Metal Stud Clip, Add	2.49
04 01 20 41-0145	EA	8mm Tapered To 6.5mm Diameter, 185mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	11.21
		For Up To 10, Add	5.91
		For >10 To 50, Add	2.96
		For Metal Stud Clip, Add	2.49
04 01 20 41-0146	EA	8mm Tapered To 6.5mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	11.35
		For Up To 10, Add	5.91
		For >10 To 50, Add	2.96
		For Metal Stud Clip, Add	2.49
04 01 20 41-0147	EA	8mm Tapered To 6.5mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	11.75
		For Up To 10, Add	5.91
		For >10 To 50, Add	2.96
		For Metal Stud Clip, Add	2.49
04 01 20 41-0148	EA	8mm Tapered To 6.5mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	12.39
		For Up To 10, Add	5.91
		For >10 To 50, Add	2.96
		For Metal Stud Clip, Add	2.49
04 01 20 41-0149	EA	8mm Tapered To 6.5mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	12.59
		For Up To 10, Add	5.91
		For >10 To 50, Add	2.96
		For Metal Stud Clip, Add	2.49
04 01 20 41-0150	EA	8mm Tapered To 6.5mm Diameter, 295mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	13.22
		For Up To 10, Add	5.91
		For >10 To 50, Add	2.96
		For Metal Stud Clip, Add	2.49
04 01 20 41-0151	EA	10mm Tapered To 8mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	11.43
		For Up To 10, Add	5.91
		For >10 To 50, Add	2.96
		For Metal Stud Clip, Add	2.49
04 01 20 41-0152	EA	10mm Tapered To 8mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	11.98
		For Up To 10, Add	5.91
		For >10 To 50, Add	2.96
		For Metal Stud Clip, Add	2.49
04 01 20 41-0153	EA	10mm Tapered To 8mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	12.36
		For Up To 10, Add	5.91
		For >10 To 50, Add	2.96
		For Metal Stud Clip, Add	2.49
04 01 20 41-0154	EA	10mm Tapered To 8mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	12.61
		For Up To 10, Add	5.91
		For >10 To 50, Add	2.96
		For Metal Stud Clip, Add	2.49
04 01 20 41-0155	EA	10mm Tapered To 8mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	12.78
		For Up To 10, Add	5.91
		For >10 To 50, Add	2.96
		For Metal Stud Clip, Add	2.49
04 01 20 41-0156	EA	10mm Tapered To 8mm Diameter, 300mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	13.19
		For Up To 10, Add	5.91
		For >10 To 50, Add	2.96
		For Metal Stud Clip, Add	2.49
04 01 20 41-0157	EA	316 Stainless Steel, Seismic Connector (Helifix® DryFix®) .....	5.19
		Note: For installation over the DryFix® helical pin. Excludes removal of grout from the horizontal mortar joint and installation of Helibar or 9 gauge continuous wire.	
		For Up To 10, Add	2.96
		For >10 To 50, Add	1.48
04 01 20 41-0158		<b>Concrete Patching Pins (Helifix® PatchPin)</b> (04 01 20 41-0001) Note: Austenitic stainless steel. For patching reinforced concrete. Includes drilling. Excludes patching mortar.	
04 01 20 41-0159		<b>304 Stainless Steel Helical Pin, Concrete Patching Pins (Helifix® PatchPin)</b> (04 01 20 41-0158)	
04 01 20 41-0160	EA	8mm Diameter, 70mm Length, 304 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin) .....	7.54
		For Up To 10, Add	5.91
		For >10 To 50, Add	2.96
04 01 20 41-0161	EA	8mm Diameter, 102mm Length, 304 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin) .....	7.59
		For Up To 10, Add	5.91
		For >10 To 50, Add	2.96
04 01 20 41-0162		<b>316 Stainless Steel Helical Pin, Concrete Patching Pins (Helifix® PatchPin)</b> (04 01 20 41-0158)	
04 01 20 41-0163	EA	8mm Diameter, 70mm Length, 316 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin) .....	7.84
		For Up To 10, Add	5.91
		For >10 To 50, Add	2.96

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 01 20 41-0164	EA	8mm Diameter, 102mm Length, 316 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin) .....	7.91		
		<i>For Up To 10, Add</i>	5.91		
		<i>For &gt;10 To 50, Add</i>	2.96		
04 01 20 41-0165		<b>Movement Joint Ties (Helifix® Movement Joint Tie</b> <small>(04 01 20 41-0001)</small>			
		Note: Austenitic stainless steel. For creating movement joints in existing walls. Includes removing horizontal mortar and re-pointing mortar bed. Includes cementitious grout.			
04 01 20 41-0166		<b>304 Stainless Steel Helical Pin, Movement Joint Ties (Helifix® Movement Joint Tie)</b> <small>(04 01 20 41-0165)</small>			
04 01 20 41-0167	EA	6mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Movement Joint Tie With De-Bond Sleeve (Helifix® Movement Joint Tie) .....	48.69		
		<i>For Up To 10, Add</i>	39.40		
		<i>For &gt;10 To 50, Add</i>	19.70		
04 01 20 41-0168		<b>316 Stainless Steel Helical Pin, Movement Joint Ties (Helifix® Movement Joint Tie)</b> <small>(04 01 20 41-0165)</small>			
04 01 20 41-0169	EA	6mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Movement Joint Tie With De-Bond Sleeve (Helifix® Movement Joint Tie) .....	50.08		
		<i>For Up To 10, Add</i>	39.40		
		<i>For &gt;10 To 50, Add</i>	19.70		
04 01 20 41-0170		<b>Unit Masonry Stabilization</b> <small>(04 01 20 41)</small>			
04 01 20 41-0171		<b>Repair Bulging Or Loose Masonry</b> <small>(04 01 20 41-0170)</small>			
04 01 20 41-0172	SF	Repair Bulging Or Loose Masonry Using Existing Masonry.....	77.19		
		Note: Includes saw cutting, tothing, removing loose masonry, installing anchor and reinstalling brick and mortar.			
04 01 20 41-0173	SF	Repair Bulging Or Loose Masonry Using New Masonry.....	82.23		
		Note: Includes saw cutting, tothing, removing loose masonry, installing anchor and installing new brick and mortar.			
<b>04 01 20 51</b>		<b>Unit Masonry Maintenance</b> <small>(04 01 20)</small>			
04 01 20 51-0001		<b>Grind Unit Masonry</b> <small>(04 01 20 51)</small>			
04 01 20 51-0002	SF	Grind Smooth Masonry Wall.....	3.66		
<b>04 01 20 91</b>		<b>Unit Masonry Restoration</b> <small>(04 01 20)</small>			
04 01 20 91-0001		<b>Cut And Repoint Masonry</b> <small>(04 01 20 91)</small>			
		Note: Remove existing mortar to 3/4" depth. Repoint with pointing mortar. Includes pointing mortar, cutting, rinsing and cleaning joint.			
04 01 20 91-0002	SF	Cut And Repoint, Hard Mortar, Running Bond, Brick.....	9.84		
		<i>For Common Bond, Add</i>	0.37		
		<i>For Flemish Bond, Add</i>	1.29		
		<i>For English Bond, Add</i>	2.12		
		<i>For Oversized Or Larger Than Standard, Deduct</i>	-1.48		
		<i>For &gt;250 To 1,000, Deduct</i>	-0.46		
		<i>For &gt;1,000, Deduct</i>	-0.95		
04 01 20 91-0003	SF	Cut And Repoint, Soft, Loose Or Crumbling Mortar, Running Bond, Brick .....	6.87		
		<i>For Common Bond, Add</i>	0.25		
		<i>For Flemish Bond, Add</i>	0.88		
		<i>For English Bond, Add</i>	1.44		
		<i>For Oversized Or Larger Than Standard, Deduct</i>	-1.03		
		<i>For &gt;250 To 1,000, Deduct</i>	-0.31		
		<i>For &gt;1,000, Deduct</i>	-0.66		
04 01 20 91-0004	SF	Cut And Repoint, Hard Mortar, Running Bond, Concrete Block.....	5.09		
		<i>For Common Bond, Add</i>	0.18		
		<i>For Oversized Or Larger Than Standard, Deduct</i>	-0.76		
		<i>For &gt;250 To 1,000, Deduct</i>	-0.22		
		<i>For &gt;1,000, Deduct</i>	-0.48		
04 01 20 91-0005	SF	Cut And Repoint, Soft, Loose Or Crumbling Mortar, Running Bond, Concrete Block.....	3.67		
		<i>For Common Bond, Add</i>	0.12		
		<i>For Oversized Or Larger Than Standard, Deduct</i>	-0.55		
		<i>For &gt;250 To 1,000, Deduct</i>	-0.15		
		<i>For &gt;1,000, Deduct</i>	-0.34		
04 01 20 91-0006	LF	Cut And Repoint Brick/Block, Irregular Shapes And Other Than Complete SF Area.....	3.07		
04 01 20 91-0007		<b>Repair Masonry</b> <small>(04 01 20 91)</small>			
		Note: Includes mortar for repair.			
04 01 20 91-0008	SF	Patch And Repair Terra Cotta Walls Or Coping.....	17.90		
		Note: Including Replacement Of Damaged Material			
04 01 20 91-0009	SF	Patch And Repair Terra Cotta Floors.....	16.61		
		Note: Including Replacement Of Damaged Material			
04 01 20 91-0010	LF	Chip And Repair With Masonry Patch, Cracks Up To 1/4" .....	4.52		
04 01 20 91-0011	SF	Patching Over Masonry Surface With Elastomeric Paint Using A Trowel 6" Blade .....	7.79		
04 01 20 91-0012	LF	Up To 1/4" Wide, Water Activated Polyurethane Foam Grout, Non Structural Crack Repair For Masonry, Installed With Automated Injection Equipment (SealBoss 1570) .....	30.42		
		<i>For Cracks Accessible From Both Sides, Add</i>	6.17		
04 01 20 91-0013	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Masonry, Installed With Automated Injection Equipment (Sikadur® 52) .....	27.07		
		<i>For Cracks Accessible From Both Sides, Add</i>	6.17		

**04 Masonry****04 01 Maintenance of Masonry****04 01 20 Maintenance of Unit Masonry**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

04 01 20 91-0014	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Masonry, Surface Applied Trowel (Sikadur® 52).....	7.24
		<i>For V-Grooving Crack With Grinder, Add</i> .....	5.22
04 01 20 91-0015	LF	>1/4" To 1/2" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Masonry, Surface Applied With Trowel (Sikadur® 52).....	9.73
		<i>For V-Grooving Crack With Grinder, Add</i> .....	4.96

**04 01 50 Maintenance of Refractory Masonry** (04 01)**04 01 50 52 Refractory Masonry Cleaning** (04 01 50)**04 01 50 52-0001 Chimney Cleaning** (04 01 50 52)

04 01 50 52-0002	LF	Up To 2 SF Cross Section Chimney Cleaning.....	6.35
04 01 50 52-0003	LF	>2 To 4 SF Cross Section Chimney Cleaning.....	12.69
04 01 50 52-0004	LF	>4 SF Cross Section Chimney Cleaning.....	19.05

**04 05 Common Work Results for Masonry** (04)**04 05 13 Masonry Mortaring** (04 05)**04 05 13 26 Engineered Masonry Mortaring** (04 05 13)

Note: Mortar, sand and standard supplements are included in the cost of brick, block, stone, simulated or synthetic masonry units.

**04 05 13 26-0001 Masonry Cement Mortar** (04 05 13 26)

Note: Ratio is bag material to sand.

04 05 13 26-0002	CF	Type M Masonry Cement 1:1:6 Mix.....	7.29
04 05 13 26-0003	CF	Type N Masonry Cement 1:3 Mix.....	6.73
04 05 13 26-0004	CF	Type O Masonry Cement 1:3 Mix.....	6.90
04 05 13 26-0005	CF	Type PM Masonry Cement 1:1:6 Mix, 2,500 PSI.....	7.56
04 05 13 26-0006	CF	Type S Masonry Cement 1/2:1:4 Mix.....	7.97

**04 05 13 26-0007 Mortar Admixture** (04 05 13 26)

04 05 13 26-0008	CF	Water - Repellent Stearate - Cost Based On CF Of Mortar.....	0.42
04 05 13 26-0009	CF	Pozzolanic Plasticizers - Cost Based On CF Of Mortar.....	0.08

**04 05 13 26-0010 Color Admixtures For Mortar** (04 05 13 26)

Note: Costs are based on CF of mortar.

04 05 13 26-0011	CF	Buff Colored Admixture.....	2.65
04 05 13 26-0012	CF	Brown Colored Admixture.....	3.00
04 05 13 26-0013	CF	Black Colored Admixture.....	3.72
04 05 13 26-0014	CF	Red Colored Admixture.....	8.13

**04 05 13 26-0015 Portland Cement** (04 05 13 26)

04 05 13 26-0016	CF	Normal Portland Cement (Type I).....	14.10
04 05 13 26-0017	CF	Modified Portland Cement (Type II).....	7.03
04 05 13 26-0018	CF	High Early Strength Portland Cement (Type III).....	7.46
04 05 13 26-0019	CF	White Non Staining Portland Cement (Type I).....	15.63

**04 05 16 Masonry Grouting** (04 05)**04 05 16 26 Engineered Masonry Grouting** (04 05 16)

Note: Excludes reinforcement.

**04 05 16 26-0001 Grout Bond Beams And Lintels, Grout Fill** (04 05 16 26)

Note: Excludes block.

04 05 16 26-0002	LF	Grout Bond Beams And Lintels - 6" Block, Grout Fill Only, 0.1125 CF/LF, 8" Deep.....	4.32
04 05 16 26-0003	LF	Grout Bond Beams And Lintels - 8" Block, Grout Fill Only, 0.20 CF/LF, 8" Deep.....	4.71
04 05 16 26-0004	LF	Grout Bond Beams And Lintels - 10" Block, Grout Fill Only, 0.25 CF/LF, 8" Deep.....	5.28
04 05 16 26-0005	LF	Grout Bond Beams And Lintels, 12" Block, Grout Fill Only, 0.30 CF/LF, 8" Deep.....	5.90

**04 05 16 26-0006 Grout Concrete Block Cores, Grout Fill** (04 05 16 26)

Note: Per SF of face area filled.

04 05 16 26-0007	SF	Grout Concrete Block Cores- 4" Block, Grout Fill Block Solid (0.067 CF/SF).....	3.34
04 05 16 26-0008	SF	Grout Concrete Block Cores- 6" Block, Grout Fill Block Solid (0.175 CF/SF).....	4.89
04 05 16 26-0009	SF	Grout Concrete Block Cores- 8" Block, Grout Fill Block Solid (0.258 CF/SF).....	6.98
04 05 16 26-0010	SF	Grout Concrete Block Cores- 10" Block, Grout Fill Block Solid (0.34 CF/SF).....	8.58
04 05 16 26-0011	SF	Grout Concrete Block Cores- 12" Block, Grout Fill Block Solid (0.422 CF/SF).....	10.15

**04 05 16 26-0012 Grout Cavity Walls, Grout Fill** (04 05 16 26)

Note: Per SF of face area filled.

04 05 16 26-0013	SF	Grout Cavity Walls - 2" Space, Grout Fill (0.167 CF/SF).....	3.97
04 05 16 26-0014	SF	Grout Cavity Walls - 3" Space, Grout Fill (0.250 CF/SF).....	5.60
04 05 16 26-0015	SF	Grout Cavity Walls - 4" Space, Grout Fill (0.333 CF/SF).....	7.03
04 05 16 26-0016	SF	Grout Cavity Walls - 6" Space, Grout Fill (0.500 CF/SF).....	9.56

**04 05 16 26-0017 Grout Frames, Grout Fill** (04 05 16 26)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 05 16 26-0018	LF	Grout Door Frames - Grout Fill .....		6.32	
04 05 16 26-0019	LF	Grout Window Frames - Grout Fill .....		5.42	

**04 05 16 26-0020 Sand Filled Walls** (04 05 16 26)

**04 05 16 26-0021 Sand Fill Cavity Walls, Sand Fill** (04 05 16 26-0020)

Note: Per SF of face area filled.

04 05 16 26-0022	SF	Sand Fill Cavity Walls - 2" Space, Sand Fill (0.167 CF/SF) .....		3.34	
04 05 16 26-0023	SF	Sand Fill Cavity Walls - 3" Space, Sand Fill (0.250 CF/SF) .....		4.61	
04 05 16 26-0024	SF	Sand Fill Cavity Walls - 4" Space, Sand Fill (0.333 CF/SF) .....		5.68	
04 05 16 26-0025	SF	Sand Fill Cavity Walls - 6" Space, Sand Fill (0.500 CF/SF) .....		7.61	

**04 05 19 Masonry Anchorage and Reinforcing** (04 05)

**04 05 19 13 Continuous Joint Reinforcing** (04 05 19)

Note: Includes cutting and bending.

**04 05 19 13-0001 Continuous Joint Reinforcing** (04 05 19 13)

**04 05 19 13-0002 Ladder-Type, Masonry Wall Reinforcement** (04 05 19 13-0001)

**04 05 19 13-0003 Ladder-Type, Masonry Wall Reinforcement** (04 05 19 13-0002)

**04 05 19 13-0004 Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement** (04 05 19 13-0003)

04 05 19 13-0005	CLF	#4 (For 4" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....		58.54	
		<i>For Hot-Dipped Galvanized, Add</i>		9.98	
		<i>For Stainless Steel, Add</i>		39.90	
04 05 19 13-0006	CLF	#6 (For 6" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....		62.19	
		<i>For Hot-Dipped Galvanized, Add</i>		10.48	
		<i>For Stainless Steel, Add</i>		41.92	
04 05 19 13-0007	CLF	#8 (For 8" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....		67.08	
		<i>For Hot-Dipped Galvanized, Add</i>		11.05	
		<i>For Stainless Steel, Add</i>		44.18	
04 05 19 13-0008	CLF	#10 (For 10" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....		72.85	
		<i>For Hot-Dipped Galvanized, Add</i>		11.69	
		<i>For Stainless Steel, Add</i>		46.74	
04 05 19 13-0009	CLF	#12 (For 12" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....		79.61	
		<i>For Hot-Dipped Galvanized, Add</i>		12.31	
		<i>For Stainless Steel, Add</i>		49.24	
04 05 19 13-0010	CLF	#13 (For 13" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....		84.62	
		<i>For Hot-Dipped Galvanized, Add</i>		12.62	
		<i>For Stainless Steel, Add</i>		50.48	
04 05 19 13-0011	CLF	#14 (For 14" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....		88.28	
		<i>For Hot-Dipped Galvanized, Add</i>		12.97	
		<i>For Stainless Steel, Add</i>		51.88	
04 05 19 13-0012	CLF	#16 (For 16" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....		101.95	
		<i>For Hot-Dipped Galvanized, Add</i>		17.83	
		<i>For Stainless Steel, Add</i>		71.30	
04 05 19 13-0013	CLF	#18 (For 18" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....		125.37	
		<i>For Hot-Dipped Galvanized, Add</i>		27.56	
		<i>For Stainless Steel, Add</i>		110.22	

**04 05 19 13-0014 Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement** (04 05 19 13-0003)

04 05 19 13-0015	CLF	#4 (For 4" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....		69.61	
		<i>For Hot-Dipped Galvanized, Add</i>		15.51	
		<i>For Stainless Steel, Add</i>		62.02	
04 05 19 13-0016	CLF	#6 (For 6" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....		73.37	
		<i>For Hot-Dipped Galvanized, Add</i>		16.07	
		<i>For Stainless Steel, Add</i>		64.28	
04 05 19 13-0017	CLF	#8 (For 8" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....		78.38	
		<i>For Hot-Dipped Galvanized, Add</i>		16.70	
		<i>For Stainless Steel, Add</i>		66.78	
04 05 19 13-0018	CLF	#10 (For 10" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....		84.03	
		<i>For Hot-Dipped Galvanized, Add</i>		17.28	
		<i>For Stainless Steel, Add</i>		69.10	
04 05 19 13-0019	CLF	#12 (For 12" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....		90.77	
		<i>For Hot-Dipped Galvanized, Add</i>		17.89	
		<i>For Stainless Steel, Add</i>		71.56	

**04 Masonry****04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

04 05 19 13-0020	CLF #13 (For 13" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	95.81
	<i>For Hot-Dipped Galvanized, Add</i> .....	18.23
	<i>For Stainless Steel, Add</i> .....	72.90
04 05 19 13-0021	CLF #14 (For 14" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	99.41
	<i>For Hot-Dipped Galvanized, Add</i> .....	18.53
	<i>For Stainless Steel, Add</i> .....	74.12
04 05 19 13-0022	CLF #16 (For 16" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	116.66
	<i>For Hot-Dipped Galvanized, Add</i> .....	25.18
	<i>For Stainless Steel, Add</i> .....	100.72
04 05 19 13-0023	CLF #18 (For 18" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	150.60
	<i>For Hot-Dipped Galvanized, Add</i> .....	40.18
	<i>For Stainless Steel, Add</i> .....	160.70
<b>04 05 19 13-0024</b>	<b>Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0003)</small>	
04 05 19 13-0025	CLF #4 (For 4" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	80.33
	<i>For Hot-Dipped Galvanized, Add</i> .....	20.87
	<i>For Stainless Steel, Add</i> .....	83.46
04 05 19 13-0026	CLF #6 (For 6" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	85.59
	<i>For Hot-Dipped Galvanized, Add</i> .....	22.01
	<i>For Stainless Steel, Add</i> .....	88.04
04 05 19 13-0027	CLF #8 (For 8" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	90.86
	<i>For Hot-Dipped Galvanized, Add</i> .....	23.16
	<i>For Stainless Steel, Add</i> .....	92.64
04 05 19 13-0028	CLF #10 (For 10" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	98.54
	<i>For Hot-Dipped Galvanized, Add</i> .....	24.53
	<i>For Stainless Steel, Add</i> .....	98.12
04 05 19 13-0029	CLF #12 (For 12" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	106.22
	<i>For Hot-Dipped Galvanized, Add</i> .....	25.89
	<i>For Stainless Steel, Add</i> .....	103.56
04 05 19 13-0030	CLF #13 (For 13" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	112.63
	<i>For Hot-Dipped Galvanized, Add</i> .....	26.63
	<i>For Stainless Steel, Add</i> .....	106.50
04 05 19 13-0031	CLF #14 (For 14" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	116.36
	<i>For Hot-Dipped Galvanized, Add</i> .....	27.25
	<i>For Stainless Steel, Add</i> .....	109.00
04 05 19 13-0032	CLF #16 (For 16" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	123.32
	<i>For Hot-Dipped Galvanized, Add</i> .....	28.51
	<i>For Stainless Steel, Add</i> .....	114.02
04 05 19 13-0033	CLF #18 (For 18" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	164.98
	<i>For Hot-Dipped Galvanized, Add</i> .....	47.36
	<i>For Stainless Steel, Add</i> .....	189.42
<b>04 05 19 13-0034</b>	<b>Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0003)</small>	
04 05 19 13-0035	CLF #4 (For 4" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	84.02
	<i>For Hot-Dipped Galvanized, Add</i> .....	22.71
	<i>For Stainless Steel, Add</i> .....	90.84
04 05 19 13-0036	CLF #6 (For 6" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	87.65
	<i>For Hot-Dipped Galvanized, Add</i> .....	23.21
	<i>For Stainless Steel, Add</i> .....	92.82
04 05 19 13-0037	CLF #8 (For 8" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	92.52
	<i>For Hot-Dipped Galvanized, Add</i> .....	23.77
	<i>For Stainless Steel, Add</i> .....	95.08
04 05 19 13-0038	CLF #10 (For 10" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	98.30
	<i>For Hot-Dipped Galvanized, Add</i> .....	24.41
	<i>For Stainless Steel, Add</i> .....	97.64
04 05 19 13-0039	CLF #12 (For 12" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	105.06
	<i>For Hot-Dipped Galvanized, Add</i> .....	25.04
	<i>For Stainless Steel, Add</i> .....	100.14
04 05 19 13-0040	CLF #13 (For 13" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	110.07
	<i>For Hot-Dipped Galvanized, Add</i> .....	25.35
	<i>For Stainless Steel, Add</i> .....	101.38
04 05 19 13-0041	CLF #14 (For 14" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	113.72
	<i>For Hot-Dipped Galvanized, Add</i> .....	25.69
	<i>For Stainless Steel, Add</i> .....	102.76



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 05 19 13-0042	CLF	#16		(For 16" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	127.41	
				<i>For Hot-Dipped Galvanized, Add</i>	30.55	
				<i>For Stainless Steel, Add</i>	122.20	
<b>04 05 19 13-0043 Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement (04 05 19 13-0003)</b>						
04 05 19 13-0044	CLF	#4		(For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	95.08	
				<i>For Hot-Dipped Galvanized, Add</i>	28.24	
				<i>For Stainless Steel, Add</i>	112.96	
04 05 19 13-0045	CLF	#6		(For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	98.85	
				<i>For Hot-Dipped Galvanized, Add</i>	28.81	
				<i>For Stainless Steel, Add</i>	115.22	
04 05 19 13-0046	CLF	#8		(For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	103.84	
				<i>For Hot-Dipped Galvanized, Add</i>	29.43	
				<i>For Stainless Steel, Add</i>	117.72	
04 05 19 13-0047	CLF	#10		(For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	109.50	
				<i>For Hot-Dipped Galvanized, Add</i>	30.01	
				<i>For Stainless Steel, Add</i>	120.04	
04 05 19 13-0048	CLF	#12		(For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	116.24	
				<i>For Hot-Dipped Galvanized, Add</i>	30.63	
				<i>For Stainless Steel, Add</i>	122.50	
04 05 19 13-0049	CLF	#13		(For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	121.28	
				<i>For Hot-Dipped Galvanized, Add</i>	30.96	
				<i>For Stainless Steel, Add</i>	123.84	
04 05 19 13-0050	CLF	#14		(For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	124.88	
				<i>For Hot-Dipped Galvanized, Add</i>	31.27	
				<i>For Stainless Steel, Add</i>	125.06	
04 05 19 13-0051	CLF	#16		(For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	142.12	
				<i>For Hot-Dipped Galvanized, Add</i>	37.91	
				<i>For Stainless Steel, Add</i>	151.64	
04 05 19 13-0052	CLF	#18		(For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	176.07	
				<i>For Hot-Dipped Galvanized, Add</i>	52.91	
				<i>For Stainless Steel, Add</i>	211.64	
<b>04 05 19 13-0053 Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement (04 05 19 13-0003)</b>						
04 05 19 13-0054	CLF	#4		(For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	105.78	
				<i>For Hot-Dipped Galvanized, Add</i>	33.59	
				<i>For Stainless Steel, Add</i>	134.36	
04 05 19 13-0055	CLF	#6		(For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	111.05	
				<i>For Hot-Dipped Galvanized, Add</i>	34.74	
				<i>For Stainless Steel, Add</i>	138.96	
04 05 19 13-0056	CLF	#8		(For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	116.32	
				<i>For Hot-Dipped Galvanized, Add</i>	35.89	
				<i>For Stainless Steel, Add</i>	143.56	
04 05 19 13-0057	CLF	#10		(For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	123.99	
				<i>For Hot-Dipped Galvanized, Add</i>	37.26	
				<i>For Stainless Steel, Add</i>	149.02	
04 05 19 13-0058	CLF	#12		(For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	131.69	
				<i>For Hot-Dipped Galvanized, Add</i>	38.63	
				<i>For Stainless Steel, Add</i>	154.50	
04 05 19 13-0059	CLF	#13		(For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	138.08	
				<i>For Hot-Dipped Galvanized, Add</i>	39.35	
				<i>For Stainless Steel, Add</i>	157.40	
04 05 19 13-0060	CLF	#14		(For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	141.82	
				<i>For Hot-Dipped Galvanized, Add</i>	39.98	
				<i>For Stainless Steel, Add</i>	159.92	
04 05 19 13-0061	CLF	#16		(For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	148.77	
				<i>For Hot-Dipped Galvanized, Add</i>	41.23	
				<i>For Stainless Steel, Add</i>	164.92	
04 05 19 13-0062	CLF	#18		(For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	190.44	
				<i>For Hot-Dipped Galvanized, Add</i>	60.09	
				<i>For Stainless Steel, Add</i>	240.34	
<b>04 05 19 13-0063 Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement (04 05 19 13-0003)</b>						

**04 Masonry****04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

04 05 19 13-0064	CLF #4 (For 4" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	109.48	
	<i>For Hot-Dipped Galvanized, Add</i> .....	35.44	
	<i>For Stainless Steel, Add</i> .....	141.76	
04 05 19 13-0065	CLF #6 (For 6" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	113.11	
	<i>For Hot-Dipped Galvanized, Add</i> .....	35.94	
	<i>For Stainless Steel, Add</i> .....	143.74	
04 05 19 13-0066	CLF #8 (For 8" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	117.98	
	<i>For Hot-Dipped Galvanized, Add</i> .....	36.50	
	<i>For Stainless Steel, Add</i> .....	146.00	
04 05 19 13-0067	CLF #10 (For 10" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	123.76	
	<i>For Hot-Dipped Galvanized, Add</i> .....	37.14	
	<i>For Stainless Steel, Add</i> .....	148.56	
04 05 19 13-0068	CLF #12 (For 12" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	130.52	
	<i>For Hot-Dipped Galvanized, Add</i> .....	37.77	
	<i>For Stainless Steel, Add</i> .....	151.06	
04 05 19 13-0069	CLF #13 (For 13" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	135.52	
	<i>For Hot-Dipped Galvanized, Add</i> .....	38.07	
	<i>For Stainless Steel, Add</i> .....	152.28	
04 05 19 13-0070	CLF #14 (For 14" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	139.18	
	<i>For Hot-Dipped Galvanized, Add</i> .....	38.42	
	<i>For Stainless Steel, Add</i> .....	153.68	
04 05 19 13-0071	CLF #16 (For 16" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	152.87	
	<i>For Hot-Dipped Galvanized, Add</i> .....	43.28	
	<i>For Stainless Steel, Add</i> .....	173.12	
04 05 19 13-0072	CLF #18 (For 18" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	176.29	
	<i>For Hot-Dipped Galvanized, Add</i> .....	53.02	
	<i>For Stainless Steel, Add</i> .....	212.06	
<b>04 05 19 13-0073</b>	<b>Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0003)</small>		
04 05 19 13-0074	CLF #4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	120.53	
	<i>For Hot-Dipped Galvanized, Add</i> .....	40.97	
	<i>For Stainless Steel, Add</i> .....	163.86	
04 05 19 13-0075	CLF #6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	124.31	
	<i>For Hot-Dipped Galvanized, Add</i> .....	41.54	
	<i>For Stainless Steel, Add</i> .....	166.14	
04 05 19 13-0076	CLF #8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	129.30	
	<i>For Hot-Dipped Galvanized, Add</i> .....	42.16	
	<i>For Stainless Steel, Add</i> .....	168.64	
04 05 19 13-0077	CLF #10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, Four-Wire, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	134.96	
	<i>For Hot-Dipped Galvanized, Add</i> .....	42.74	
	<i>For Stainless Steel, Add</i> .....	170.96	
04 05 19 13-0078	CLF #12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	141.70	
	<i>For Hot-Dipped Galvanized, Add</i> .....	43.36	
	<i>For Stainless Steel, Add</i> .....	173.42	
04 05 19 13-0079	CLF #13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	146.74	
	<i>For Hot-Dipped Galvanized, Add</i> .....	43.69	
	<i>For Stainless Steel, Add</i> .....	174.76	
04 05 19 13-0080	CLF #14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	150.34	
	<i>For Hot-Dipped Galvanized, Add</i> .....	44.00	
	<i>For Stainless Steel, Add</i> .....	175.98	
04 05 19 13-0081	CLF #16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	167.58	
	<i>For Hot-Dipped Galvanized, Add</i> .....	50.64	
	<i>For Stainless Steel, Add</i> .....	202.56	
04 05 19 13-0082	CLF #18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	201.53	
	<i>For Hot-Dipped Galvanized, Add</i> .....	65.64	
	<i>For Stainless Steel, Add</i> .....	262.56	
<b>04 05 19 13-0083</b>	<b>Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0003)</small>		
04 05 19 13-0084	CLF #4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	131.24	
	<i>For Hot-Dipped Galvanized, Add</i> .....	46.32	
	<i>For Stainless Steel, Add</i> .....	185.28	
04 05 19 13-0085	CLF #6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	136.51	
	<i>For Hot-Dipped Galvanized, Add</i> .....	47.47	
	<i>For Stainless Steel, Add</i> .....	189.88	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 05 19 13-0086	CLF	#8		(For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	141.78	
				<i>For Hot-Dipped Galvanized, Add</i>	48.62	
				<i>For Stainless Steel, Add</i>	194.48	
04 05 19 13-0087	CLF	#10		(For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	149.45	
				<i>For Hot-Dipped Galvanized, Add</i>	49.99	
				<i>For Stainless Steel, Add</i>	199.94	
04 05 19 13-0088	CLF	#12		(For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	157.15	
				<i>For Hot-Dipped Galvanized, Add</i>	51.36	
				<i>For Stainless Steel, Add</i>	205.42	
04 05 19 13-0089	CLF	#13		(For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	163.54	
				<i>For Hot-Dipped Galvanized, Add</i>	52.08	
				<i>For Stainless Steel, Add</i>	208.32	
04 05 19 13-0090	CLF	#14		(For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	167.27	
				<i>For Hot-Dipped Galvanized, Add</i>	52.71	
				<i>For Stainless Steel, Add</i>	210.82	
04 05 19 13-0091	CLF	#16		(For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	174.23	
				<i>For Hot-Dipped Galvanized, Add</i>	53.96	
				<i>For Stainless Steel, Add</i>	215.84	
04 05 19 13-0092	CLF	#18		(For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	215.90	
				<i>For Hot-Dipped Galvanized, Add</i>	72.82	
				<i>For Stainless Steel, Add</i>	291.26	

**04 05 19 13-0093 Ladder-Type With Tabs, Masonry Wall Reinforcement** (04 05 19 13-0002)
**04 05 19 13-0094 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement** (04 05 19 13-0093)

04 05 19 13-0095	CLF	#8		(For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	84.02	
				<i>For Hot-Dipped Galvanized, Add</i>	16.96	
				<i>For Stainless Steel, Add</i>	67.82	
04 05 19 13-0096	CLF	#10		(For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	92.70	
				<i>For Hot-Dipped Galvanized, Add</i>	18.52	
				<i>For Stainless Steel, Add</i>	74.06	
04 05 19 13-0097	CLF	#12		(For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	101.02	
				<i>For Hot-Dipped Galvanized, Add</i>	19.89	
				<i>For Stainless Steel, Add</i>	79.56	
04 05 19 13-0098	CLF	#13		(For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	108.17	
				<i>For Hot-Dipped Galvanized, Add</i>	20.69	
				<i>For Stainless Steel, Add</i>	82.74	
04 05 19 13-0099	CLF	#14		(For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	112.42	
				<i>For Hot-Dipped Galvanized, Add</i>	21.42	
				<i>For Stainless Steel, Add</i>	85.66	
04 05 19 13-0100	CLF	#16		(For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	120.70	
				<i>For Hot-Dipped Galvanized, Add</i>	23.05	
				<i>For Stainless Steel, Add</i>	92.20	
04 05 19 13-0101	CLF	#18		(For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	127.84	
				<i>For Hot-Dipped Galvanized, Add</i>	24.40	
				<i>For Stainless Steel, Add</i>	97.58	

**04 05 19 13-0102 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement** (04 05 19 13-0093)

04 05 19 13-0103	CLF	#8		(For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	97.80	
				<i>For Hot-Dipped Galvanized, Add</i>	23.85	
				<i>For Stainless Steel, Add</i>	95.38	
04 05 19 13-0104	CLF	#10		(For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	106.51	
				<i>For Hot-Dipped Galvanized, Add</i>	25.42	
				<i>For Stainless Steel, Add</i>	101.68	
04 05 19 13-0105	CLF	#12		(For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	114.67	
				<i>For Hot-Dipped Galvanized, Add</i>	26.72	
				<i>For Stainless Steel, Add</i>	106.86	
04 05 19 13-0106	CLF	#13		(For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	121.97	
				<i>For Hot-Dipped Galvanized, Add</i>	27.59	
				<i>For Stainless Steel, Add</i>	110.34	
04 05 19 13-0107	CLF	#14		(For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	126.20	
				<i>For Hot-Dipped Galvanized, Add</i>	28.31	
				<i>For Stainless Steel, Add</i>	113.22	

**04 Masonry****04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

04 05 19 13-0108	CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	134.48	
	<i>For Hot-Dipped Galvanized, Add</i> .....	29.94	
	<i>For Stainless Steel, Add</i> .....	119.76	
04 05 19 13-0109	CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	141.80	
	<i>For Hot-Dipped Galvanized, Add</i> .....	31.38	
	<i>For Stainless Steel, Add</i> .....	125.50	
<b>04 05 19 13-0110</b>	<b>3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0093)</small>		
04 05 19 13-0111	CLF #8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	104.49	
	<i>For Hot-Dipped Galvanized, Add</i> .....	27.19	
	<i>For Stainless Steel, Add</i> .....	108.76	
04 05 19 13-0112	CLF #10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	114.79	
	<i>For Hot-Dipped Galvanized, Add</i> .....	29.56	
	<i>For Stainless Steel, Add</i> .....	118.24	
04 05 19 13-0113	CLF #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	125.00	
	<i>For Hot-Dipped Galvanized, Add</i> .....	31.88	
	<i>For Stainless Steel, Add</i> .....	127.52	
04 05 19 13-0114	CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	133.03	
	<i>For Hot-Dipped Galvanized, Add</i> .....	33.12	
	<i>For Stainless Steel, Add</i> .....	132.46	
04 05 19 13-0115	CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	138.08	
	<i>For Hot-Dipped Galvanized, Add</i> .....	34.25	
	<i>For Stainless Steel, Add</i> .....	136.98	
04 05 19 13-0116	CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	147.92	
	<i>For Hot-Dipped Galvanized, Add</i> .....	36.66	
	<i>For Stainless Steel, Add</i> .....	146.64	
04 05 19 13-0117	CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	157.11	
	<i>For Hot-Dipped Galvanized, Add</i> .....	39.03	
	<i>For Stainless Steel, Add</i> .....	156.12	
<b>04 05 19 13-0118</b>	<b>Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0002)</small>		
<b>04 05 19 13-0119</b>	<b>9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0118)</small>		
04 05 19 13-0120	CLF #8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	121.11	
	<i>For Hot-Dipped Galvanized, Add</i> .....	35.50	
	<i>For Stainless Steel, Add</i> .....	142.00	
04 05 19 13-0121	CLF #10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	128.84	
	<i>For Hot-Dipped Galvanized, Add</i> .....	36.59	
	<i>For Stainless Steel, Add</i> .....	146.34	
04 05 19 13-0122	CLF #12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	136.61	
	<i>For Hot-Dipped Galvanized, Add</i> .....	37.69	
	<i>For Stainless Steel, Add</i> .....	150.74	
04 05 19 13-0123	CLF #14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	147.40	
	<i>For Hot-Dipped Galvanized, Add</i> .....	38.91	
	<i>For Stainless Steel, Add</i> .....	155.62	
04 05 19 13-0124	CLF #16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	154.86	
	<i>For Hot-Dipped Galvanized, Add</i> .....	40.13	
	<i>For Stainless Steel, Add</i> .....	160.52	
04 05 19 13-0125	CLF #18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	163.03	
	<i>For Hot-Dipped Galvanized, Add</i> .....	41.99	
	<i>For Stainless Steel, Add</i> .....	167.96	
<b>04 05 19 13-0126</b>	<b>3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0118)</small>		
04 05 19 13-0127	CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	142.71	
	<i>For Hot-Dipped Galvanized, Add</i> .....	46.30	
	<i>For Stainless Steel, Add</i> .....	185.20	
04 05 19 13-0128	CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	150.47	
	<i>For Hot-Dipped Galvanized, Add</i> .....	47.40	
	<i>For Stainless Steel, Add</i> .....	189.60	
04 05 19 13-0129	CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	158.51	
	<i>For Hot-Dipped Galvanized, Add</i> .....	48.64	
	<i>For Stainless Steel, Add</i> .....	194.54	

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0130	CLF	#14	(For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	169.03	
			<i>For Hot-Dipped Galvanized, Add</i>	49.72	
			<i>For Stainless Steel, Add</i>	198.88	
04 05 19 13-0131	CLF	#16	(For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	176.52	
			<i>For Hot-Dipped Galvanized, Add</i>	50.96	
			<i>For Stainless Steel, Add</i>	203.84	
04 05 19 13-0132	CLF	#18	(For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	183.44	
			<i>For Hot-Dipped Galvanized, Add</i>	52.20	
			<i>For Stainless Steel, Add</i>	208.78	
04 05 19 13-0133			<b>3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0118)</small>		
04 05 19 13-0134	CLF	#8	(For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	144.30	
			<i>For Hot-Dipped Galvanized, Add</i>	47.10	
			<i>For Stainless Steel, Add</i>	188.38	
04 05 19 13-0135	CLF	#10	(For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	153.25	
			<i>For Hot-Dipped Galvanized, Add</i>	48.79	
			<i>For Stainless Steel, Add</i>	195.16	
04 05 19 13-0136	CLF	#12	(For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	162.18	
			<i>For Hot-Dipped Galvanized, Add</i>	50.47	
			<i>For Stainless Steel, Add</i>	201.88	
04 05 19 13-0137	CLF	#14	(For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	174.59	
			<i>For Hot-Dipped Galvanized, Add</i>	52.50	
			<i>For Stainless Steel, Add</i>	210.00	
04 05 19 13-0138	CLF	#16	(For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	183.64	
			<i>For Hot-Dipped Galvanized, Add</i>	54.52	
			<i>For Stainless Steel, Add</i>	218.08	
04 05 19 13-0139	CLF	#18	(For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	192.09	
			<i>For Hot-Dipped Galvanized, Add</i>	56.52	
			<i>For Stainless Steel, Add</i>	226.08	
04 05 19 13-0140			<b>Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0002)</small>		
04 05 19 13-0141			<b>9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0140)</small>		
04 05 19 13-0142	CLF	#10	(For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	130.70	
			<i>For Hot-Dipped Galvanized, Add</i>	37.52	
			<i>For Stainless Steel, Add</i>	150.06	
04 05 19 13-0143	CLF	#12	(For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	138.41	
			<i>For Hot-Dipped Galvanized, Add</i>	38.59	
			<i>For Stainless Steel, Add</i>	154.34	
04 05 19 13-0144	CLF	#14	(For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	148.90	
			<i>For Hot-Dipped Galvanized, Add</i>	39.66	
			<i>For Stainless Steel, Add</i>	158.62	
04 05 19 13-0145	CLF	#16	(For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	156.45	
			<i>For Hot-Dipped Galvanized, Add</i>	40.93	
			<i>For Stainless Steel, Add</i>	163.70	
04 05 19 13-0146	CLF	#18	(For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	163.34	
			<i>For Hot-Dipped Galvanized, Add</i>	42.15	
			<i>For Stainless Steel, Add</i>	168.58	
04 05 19 13-0147	CLF	#20	(For 14" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	171.36	
			<i>For Hot-Dipped Galvanized, Add</i>	44.61	
			<i>For Stainless Steel, Add</i>	178.42	
04 05 19 13-0148			<b>3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0140)</small>		
04 05 19 13-0149	CLF	#10	(For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	152.33	
			<i>For Hot-Dipped Galvanized, Add</i>	48.33	
			<i>For Stainless Steel, Add</i>	193.32	
04 05 19 13-0150	CLF	#12	(For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	160.07	
			<i>For Hot-Dipped Galvanized, Add</i>	49.42	
			<i>For Stainless Steel, Add</i>	197.66	
04 05 19 13-0151	CLF	#14	(For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	170.87	
			<i>For Hot-Dipped Galvanized, Add</i>	50.64	
			<i>For Stainless Steel, Add</i>	202.56	

**04 Masonry****04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

04 05 19 13-0152	CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	178.04
	<i>For Hot-Dipped Galvanized, Add</i>	51.72
	<i>For Stainless Steel, Add</i>	206.88
04 05 19 13-0153	CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	184.97
	<i>For Hot-Dipped Galvanized, Add</i>	52.96
	<i>For Stainless Steel, Add</i>	211.84
04 05 19 13-0154	CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	193.26
	<i>For Hot-Dipped Galvanized, Add</i>	55.56
	<i>For Stainless Steel, Add</i>	222.22
<b>04 05 19 13-0155</b>	<b>3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0140)</small>	
04 05 19 13-0156	CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	153.86
	<i>For Hot-Dipped Galvanized, Add</i>	49.10
	<i>For Stainless Steel, Add</i>	196.38
04 05 19 13-0157	CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	162.82
	<i>For Hot-Dipped Galvanized, Add</i>	50.79
	<i>For Stainless Steel, Add</i>	203.16
04 05 19 13-0158	CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	174.59
	<i>For Hot-Dipped Galvanized, Add</i>	52.50
	<i>For Stainless Steel, Add</i>	210.00
04 05 19 13-0159	CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	183.64
	<i>For Hot-Dipped Galvanized, Add</i>	54.52
	<i>For Stainless Steel, Add</i>	218.08
04 05 19 13-0160	CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	192.09
	<i>For Hot-Dipped Galvanized, Add</i>	56.52
	<i>For Stainless Steel, Add</i>	226.08
04 05 19 13-0161	CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	200.93
	<i>For Hot-Dipped Galvanized, Add</i>	59.39
	<i>For Stainless Steel, Add</i>	237.56
<b>04 05 19 13-0162</b>	<b>Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0002)</small>	
<b>04 05 19 13-0163</b>	<b>9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0162)</small>	
04 05 19 13-0164	CLF #8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement .....	123.58
	<i>For Hot-Dipped Galvanized, Add</i>	33.96
	<i>For Stainless Steel, Add</i>	135.82
	<i>For Seismic Hook And Eye, Add</i>	14.60
04 05 19 13-0165	CLF #10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement .....	130.93
	<i>For Hot-Dipped Galvanized, Add</i>	34.85
	<i>For Stainless Steel, Add</i>	139.38
	<i>For Seismic Hook And Eye, Add</i>	14.98
04 05 19 13-0166	CLF #12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement .....	141.17
	<i>For Hot-Dipped Galvanized, Add</i>	35.79
	<i>For Stainless Steel, Add</i>	143.16
	<i>For Seismic Hook And Eye, Add</i>	15.39
04 05 19 13-0167	CLF #14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement .....	148.20
	<i>For Hot-Dipped Galvanized, Add</i>	36.80
	<i>For Stainless Steel, Add</i>	147.20
	<i>For Seismic Hook And Eye, Add</i>	15.82
04 05 19 13-0168	CLF #16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement .....	154.75
	<i>For Hot-Dipped Galvanized, Add</i>	37.85
	<i>For Stainless Steel, Add</i>	151.40
	<i>For Seismic Hook And Eye, Add</i>	16.28
04 05 19 13-0169	CLF #18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement .....	159.75
	<i>For Hot-Dipped Galvanized, Add</i>	38.80
	<i>For Stainless Steel, Add</i>	155.20
	<i>For Seismic Hook And Eye, Add</i>	16.68
<b>04 05 19 13-0170</b>	<b>3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0162)</small>	
04 05 19 13-0171	CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement .....	143.87
	<i>For Hot-Dipped Galvanized, Add</i>	44.10
	<i>For Stainless Steel, Add</i>	176.40
	<i>For Seismic Hook And Eye, Add</i>	18.96

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 05 19 13-0172	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	150.81		
		<i>For Hot-Dipped Galvanized, Add</i>	44.79		
		<i>For Stainless Steel, Add</i>	179.14		
		<i>For Seismic Hook And Eye, Add</i>	19.26		
04 05 19 13-0173	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	161.12		
		<i>For Hot-Dipped Galvanized, Add</i>	45.77		
		<i>For Stainless Steel, Add</i>	183.06		
		<i>For Seismic Hook And Eye, Add</i>	19.68		
04 05 19 13-0174	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	168.02		
		<i>For Hot-Dipped Galvanized, Add</i>	46.71		
		<i>For Stainless Steel, Add</i>	186.84		
		<i>For Seismic Hook And Eye, Add</i>	20.09		
04 05 19 13-0175	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	174.37		
		<i>For Hot-Dipped Galvanized, Add</i>	47.66		
		<i>For Stainless Steel, Add</i>	190.64		
		<i>For Seismic Hook And Eye, Add</i>	20.49		
04 05 19 13-0176	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	181.56		
		<i>For Hot-Dipped Galvanized, Add</i>	49.71		
		<i>For Stainless Steel, Add</i>	198.82		
		<i>For Seismic Hook And Eye, Add</i>	21.37		
<b>04 05 19 13-0177      3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0162)</small></b>					
04 05 19 13-0178	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement .....	145.37		
		<i>For Hot-Dipped Galvanized, Add</i>	44.85		
		<i>For Stainless Steel, Add</i>	179.40		
		<i>For Seismic Hook And Eye, Add</i>	19.29		
04 05 19 13-0179	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	154.18		
		<i>For Hot-Dipped Galvanized, Add</i>	46.47		
		<i>For Stainless Steel, Add</i>	185.88		
		<i>For Seismic Hook And Eye, Add</i>	19.98		
04 05 19 13-0180	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	165.73		
		<i>For Hot-Dipped Galvanized, Add</i>	48.07		
		<i>For Stainless Steel, Add</i>	192.28		
		<i>For Seismic Hook And Eye, Add</i>	20.67		
04 05 19 13-0181	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	174.59		
		<i>For Hot-Dipped Galvanized, Add</i>	50.00		
		<i>For Stainless Steel, Add</i>	199.98		
		<i>For Seismic Hook And Eye, Add</i>	21.50		
04 05 19 13-0182	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	182.89		
		<i>For Hot-Dipped Galvanized, Add</i>	51.92		
		<i>For Stainless Steel, Add</i>	207.68		
		<i>For Seismic Hook And Eye, Add</i>	22.33		
04 05 19 13-0183	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	189.81		
		<i>For Hot-Dipped Galvanized, Add</i>	53.83		
		<i>For Stainless Steel, Add</i>	215.32		
		<i>For Seismic Hook And Eye, Add</i>	23.15		
<b>04 05 19 13-0184      Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0002)</small></b>					
<b>04 05 19 13-0185      9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0184)</small></b>					
04 05 19 13-0186	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement .....	133.19		
		<i>For Hot-Dipped Galvanized, Add</i>	35.98		
		<i>For Stainless Steel, Add</i>	143.90		
		<i>For Seismic Hook And Eye, Add</i>	15.47		
04 05 19 13-0187	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement .....	143.28		
		<i>For Hot-Dipped Galvanized, Add</i>	36.85		
		<i>For Stainless Steel, Add</i>	147.38		
		<i>For Seismic Hook And Eye, Add</i>	15.84		
04 05 19 13-0188	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement .....	150.03		
		<i>For Hot-Dipped Galvanized, Add</i>	37.72		
		<i>For Stainless Steel, Add</i>	150.86		
		<i>For Seismic Hook And Eye, Add</i>	16.22		
04 05 19 13-0189	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement .....	156.71		
		<i>For Hot-Dipped Galvanized, Add</i>	38.83		
		<i>For Stainless Steel, Add</i>	155.32		
		<i>For Seismic Hook And Eye, Add</i>	16.70		

**04 Masonry****04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

04 05 19 13-0190	CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement .....	161.83
	<i>For Hot-Dipped Galvanized, Add</i>	39.84
	<i>For Stainless Steel, Add</i>	159.36
	<i>For Seismic Hook And Eye, Add</i>	17.13
<b>04 05 19 13-0191</b>	<b>3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0184)</small>	
04 05 19 13-0192	CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	152.74
	<i>For Hot-Dipped Galvanized, Add</i>	45.75
	<i>For Stainless Steel, Add</i>	183.00
	<i>For Seismic Hook And Eye, Add</i>	19.67
04 05 19 13-0193	CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	162.98
	<i>For Hot-Dipped Galvanized, Add</i>	46.70
	<i>For Stainless Steel, Add</i>	186.78
	<i>For Seismic Hook And Eye, Add</i>	20.08
04 05 19 13-0194	CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	170.01
	<i>For Hot-Dipped Galvanized, Add</i>	47.71
	<i>For Stainless Steel, Add</i>	190.82
	<i>For Seismic Hook And Eye, Add</i>	20.51
04 05 19 13-0195	CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement .....	176.08
	<i>For Hot-Dipped Galvanized, Add</i>	48.52
	<i>For Stainless Steel, Add</i>	194.06
	<i>For Seismic Hook And Eye, Add</i>	20.86
04 05 19 13-0196	CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement .....	181.38
	<i>For Hot-Dipped Galvanized, Add</i>	49.62
	<i>For Stainless Steel, Add</i>	198.46
	<i>For Seismic Hook And Eye, Add</i>	21.33
<b>04 05 19 13-0197</b>	<b>3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0184)</small>	
04 05 19 13-0198	CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	154.76
	<i>For Hot-Dipped Galvanized, Add</i>	46.76
	<i>For Stainless Steel, Add</i>	187.04
	<i>For Seismic Hook And Eye, Add</i>	20.11
04 05 19 13-0199	CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	166.34
	<i>For Hot-Dipped Galvanized, Add</i>	48.38
	<i>For Stainless Steel, Add</i>	193.50
	<i>For Seismic Hook And Eye, Add</i>	20.80
04 05 19 13-0200	CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	174.59
	<i>For Hot-Dipped Galvanized, Add</i>	50.00
	<i>For Stainless Steel, Add</i>	199.98
	<i>For Seismic Hook And Eye, Add</i>	21.50
04 05 19 13-0201	CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	182.89
	<i>For Hot-Dipped Galvanized, Add</i>	51.92
	<i>For Stainless Steel, Add</i>	207.68
	<i>For Seismic Hook And Eye, Add</i>	22.33
04 05 19 13-0202	CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	189.81
	<i>For Hot-Dipped Galvanized, Add</i>	53.83
	<i>For Stainless Steel, Add</i>	215.32
	<i>For Seismic Hook And Eye, Add</i>	23.15
04 05 19 13-0203	Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0001)</small>	
04 05 19 13-0204	Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0203)</small>	
<b>04 05 19 13-0205</b>	<b>Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0204)</small>	
04 05 19 13-0206	CLF #4 (For 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	66.88
	<i>For Hot-Dipped Galvanized, Add</i>	14.15
	<i>For Stainless Steel, Add</i>	56.58
04 05 19 13-0207	CLF #6 (For 6" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	69.83
	<i>For Hot-Dipped Galvanized, Add</i>	14.30
	<i>For Stainless Steel, Add</i>	57.20
04 05 19 13-0208	CLF #8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	74.72
	<i>For Hot-Dipped Galvanized, Add</i>	14.87
	<i>For Stainless Steel, Add</i>	59.46
04 05 19 13-0209	CLF #10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	80.67
	<i>For Hot-Dipped Galvanized, Add</i>	15.60
	<i>For Stainless Steel, Add</i>	62.38



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0210	CLF	#12		(For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....87.83 <i>For Hot-Dipped Galvanized, Add</i> 16.42 <i>For Stainless Steel, Add</i> 65.68		
04 05 19 13-0211	CLF	#13		(For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....93.11 <i>For Hot-Dipped Galvanized, Add</i> 16.87 <i>For Stainless Steel, Add</i> 67.46		
04 05 19 13-0212	CLF	#14		(For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....96.87 <i>For Hot-Dipped Galvanized, Add</i> 17.51 <i>For Stainless Steel, Add</i> 70.02		
04 05 19 13-0213	CLF	#16		(For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....115.49 <i>For Hot-Dipped Galvanized, Add</i> 24.60 <i>For Stainless Steel, Add</i> 98.38		
04 05 19 13-0214	CLF	#18		(For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....122.25 <i>For Hot-Dipped Galvanized, Add</i> 26.00 <i>For Stainless Steel, Add</i> 104.00		
04 05 19 13-0215	CLF	#20		(For 20" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....165.15 <i>For Hot-Dipped Galvanized, Add</i> 44.97 <i>For Stainless Steel, Add</i> 179.88		
04 05 19 13-0216	<b>Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0204)</small>					
04 05 19 13-0217	CLF	#4		(For 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....77.83 <i>For Hot-Dipped Galvanized, Add</i> 19.62 <i>For Stainless Steel, Add</i> 78.46		
04 05 19 13-0218	CLF	#6		(For 6" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....81.01 <i>For Hot-Dipped Galvanized, Add</i> 19.89 <i>For Stainless Steel, Add</i> 79.56		
04 05 19 13-0219	CLF	#8		(For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....85.90 <i>For Hot-Dipped Galvanized, Add</i> 20.46 <i>For Stainless Steel, Add</i> 81.82		
04 05 19 13-0220	CLF	#10		(For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....91.82 <i>For Hot-Dipped Galvanized, Add</i> 21.17 <i>For Stainless Steel, Add</i> 84.68		
04 05 19 13-0221	CLF	#12		(For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....98.83 <i>For Hot-Dipped Galvanized, Add</i> 21.92 <i>For Stainless Steel, Add</i> 87.68		
04 05 19 13-0222	CLF	#13		(For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....104.24 <i>For Hot-Dipped Galvanized, Add</i> 22.44 <i>For Stainless Steel, Add</i> 89.76		
04 05 19 13-0223	CLF	#14		(For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....107.84 <i>For Hot-Dipped Galvanized, Add</i> 22.99 <i>For Stainless Steel, Add</i> 91.96		
04 05 19 13-0224	CLF	#16		(For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....130.21 <i>For Hot-Dipped Galvanized, Add</i> 31.96 <i>For Stainless Steel, Add</i> 127.82		
04 05 19 13-0225	CLF	#18		(For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....136.97 <i>For Hot-Dipped Galvanized, Add</i> 33.36 <i>For Stainless Steel, Add</i> 133.44		
04 05 19 13-0226	CLF	#20		(For 20" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....196.30 <i>For Hot-Dipped Galvanized, Add</i> 63.03 <i>For Stainless Steel, Add</i> 252.10		
04 05 19 13-0227	<b>Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0204)</small>					
04 05 19 13-0228	CLF	#4		(For 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....94.57 <i>For Hot-Dipped Galvanized, Add</i> 27.99 <i>For Stainless Steel, Add</i> 111.94		
04 05 19 13-0229	CLF	#6		(For 6" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....98.24 <i>For Hot-Dipped Galvanized, Add</i> 28.34 <i>For Stainless Steel, Add</i> 113.34		
04 05 19 13-0230	CLF	#8		(For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....103.29 <i>For Hot-Dipped Galvanized, Add</i> 29.38 <i>For Stainless Steel, Add</i> 117.50		
04 05 19 13-0231	CLF	#10		(For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....111.07 <i>For Hot-Dipped Galvanized, Add</i> 30.80 <i>For Stainless Steel, Add</i> 123.18		
04 05 19 13-0232	CLF	#12		(For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....119.57 <i>For Hot-Dipped Galvanized, Add</i> 32.57 <i>For Stainless Steel, Add</i> 130.26		

**04 Masonry****04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

04 05 19 13-0233	CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	126.13	
	<i>For Hot-Dipped Galvanized, Add</i> .....	33.38	
	<i>For Stainless Steel, Add</i> .....	133.50	
04 05 19 13-0234	CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	131.03	
	<i>For Hot-Dipped Galvanized, Add</i> .....	34.59	
	<i>For Stainless Steel, Add</i> .....	138.34	
04 05 19 13-0235	CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	163.40	
	<i>For Hot-Dipped Galvanized, Add</i> .....	48.55	
	<i>For Stainless Steel, Add</i> .....	194.18	
04 05 19 13-0236	CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	172.86	
	<i>For Hot-Dipped Galvanized, Add</i> .....	51.30	
	<i>For Stainless Steel, Add</i> .....	205.18	
04 05 19 13-0237	CLF #20 (For 20" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	252.59	
	<i>For Hot-Dipped Galvanized, Add</i> .....	88.69	
	<i>For Stainless Steel, Add</i> .....	354.76	
<b>04 05 19 13-0238 Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0204)</small>			
04 05 19 13-0239	CLF #4 (For 4" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	84.02	
	<i>For Hot-Dipped Galvanized, Add</i> .....	22.71	
	<i>For Stainless Steel, Add</i> .....	90.84	
04 05 19 13-0240	CLF #6 (For 6" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	87.65	
	<i>For Hot-Dipped Galvanized, Add</i> .....	23.21	
	<i>For Stainless Steel, Add</i> .....	92.82	
04 05 19 13-0241	CLF #8 (For 8" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	92.52	
	<i>For Hot-Dipped Galvanized, Add</i> .....	23.77	
	<i>For Stainless Steel, Add</i> .....	95.08	
04 05 19 13-0242	CLF #10 (For 10" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	98.30	
	<i>For Hot-Dipped Galvanized, Add</i> .....	24.41	
	<i>For Stainless Steel, Add</i> .....	97.64	
04 05 19 13-0243	CLF #12 (For 12" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	105.06	
	<i>For Hot-Dipped Galvanized, Add</i> .....	25.04	
	<i>For Stainless Steel, Add</i> .....	100.14	
04 05 19 13-0244	CLF #13 (For 13" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	110.07	
	<i>For Hot-Dipped Galvanized, Add</i> .....	25.35	
	<i>For Stainless Steel, Add</i> .....	101.38	
04 05 19 13-0245	CLF #14 (For 14" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	113.72	
	<i>For Hot-Dipped Galvanized, Add</i> .....	25.69	
	<i>For Stainless Steel, Add</i> .....	102.76	
04 05 19 13-0246	CLF #16 (For 16" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	127.41	
	<i>For Hot-Dipped Galvanized, Add</i> .....	30.55	
	<i>For Stainless Steel, Add</i> .....	122.20	
<b>04 05 19 13-0247 Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0204)</small>			
04 05 19 13-0248	CLF #4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	95.08	
	<i>For Hot-Dipped Galvanized, Add</i> .....	28.24	
	<i>For Stainless Steel, Add</i> .....	112.96	
04 05 19 13-0249	CLF #6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	98.85	
	<i>For Hot-Dipped Galvanized, Add</i> .....	28.81	
	<i>For Stainless Steel, Add</i> .....	115.22	
04 05 19 13-0250	CLF #8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	103.84	
	<i>For Hot-Dipped Galvanized, Add</i> .....	29.43	
	<i>For Stainless Steel, Add</i> .....	117.72	
04 05 19 13-0251	CLF #10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	109.50	
	<i>For Hot-Dipped Galvanized, Add</i> .....	30.01	
	<i>For Stainless Steel, Add</i> .....	120.04	
04 05 19 13-0252	CLF #12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	116.24	
	<i>For Hot-Dipped Galvanized, Add</i> .....	30.63	
	<i>For Stainless Steel, Add</i> .....	122.50	
04 05 19 13-0253	CLF #13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	121.28	
	<i>For Hot-Dipped Galvanized, Add</i> .....	30.96	
	<i>For Stainless Steel, Add</i> .....	123.84	
04 05 19 13-0254	CLF #14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	124.88	
	<i>For Hot-Dipped Galvanized, Add</i> .....	31.27	
	<i>For Stainless Steel, Add</i> .....	125.06	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0255	CLF	#16		(For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement ..... 142.12 <i>For Hot-Dipped Galvanized, Add</i> ..... 37.91 <i>For Stainless Steel, Add</i> ..... 151.64		
04 05 19 13-0256	CLF	#18		(For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement ..... 176.07 <i>For Hot-Dipped Galvanized, Add</i> ..... 52.91 <i>For Stainless Steel, Add</i> ..... 211.64		
<b>04 05 19 13-0257</b>				<b>Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0204)</small>		
04 05 19 13-0258	CLF	#4		(For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement ..... 105.78 <i>For Hot-Dipped Galvanized, Add</i> ..... 33.59 <i>For Stainless Steel, Add</i> ..... 134.36		
04 05 19 13-0259	CLF	#6		(For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement ..... 111.05 <i>For Hot-Dipped Galvanized, Add</i> ..... 34.74 <i>For Stainless Steel, Add</i> ..... 138.96		
04 05 19 13-0260	CLF	#8		(For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement ..... 116.32 <i>For Hot-Dipped Galvanized, Add</i> ..... 35.89 <i>For Stainless Steel, Add</i> ..... 143.56		
04 05 19 13-0261	CLF	#10		(For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement ..... 123.99 <i>For Hot-Dipped Galvanized, Add</i> ..... 37.26 <i>For Stainless Steel, Add</i> ..... 149.02		
04 05 19 13-0262	CLF	#12		(For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement ..... 131.69 <i>For Hot-Dipped Galvanized, Add</i> ..... 38.63 <i>For Stainless Steel, Add</i> ..... 154.50		
04 05 19 13-0263	CLF	#13		(For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement ..... 138.08 <i>For Hot-Dipped Galvanized, Add</i> ..... 39.35 <i>For Stainless Steel, Add</i> ..... 157.40		
04 05 19 13-0264	CLF	#14		(For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement ..... 141.82 <i>For Hot-Dipped Galvanized, Add</i> ..... 39.98 <i>For Stainless Steel, Add</i> ..... 159.92		
04 05 19 13-0265	CLF	#16		(For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement ..... 148.77 <i>For Hot-Dipped Galvanized, Add</i> ..... 41.23 <i>For Stainless Steel, Add</i> ..... 164.92		
04 05 19 13-0266	CLF	#18		(For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement ..... 190.44 <i>For Hot-Dipped Galvanized, Add</i> ..... 60.09 <i>For Stainless Steel, Add</i> ..... 240.34		
<b>04 05 19 13-0267</b>				<b>Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0204)</small>		
04 05 19 13-0268	CLF	#4		(For 4" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement ..... 109.48 <i>For Hot-Dipped Galvanized, Add</i> ..... 35.44 <i>For Stainless Steel, Add</i> ..... 141.76		
04 05 19 13-0269	CLF	#6		(For 6" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement ..... 113.11 <i>For Hot-Dipped Galvanized, Add</i> ..... 35.94 <i>For Stainless Steel, Add</i> ..... 143.74		
04 05 19 13-0270	CLF	#8		(For 8" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement ..... 117.98 <i>For Hot-Dipped Galvanized, Add</i> ..... 36.50 <i>For Stainless Steel, Add</i> ..... 146.00		
04 05 19 13-0271	CLF	#10		(For 10" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement ..... 123.76 <i>For Hot-Dipped Galvanized, Add</i> ..... 37.14 <i>For Stainless Steel, Add</i> ..... 148.56		
04 05 19 13-0272	CLF	#12		(For 12" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement ..... 130.52 <i>For Hot-Dipped Galvanized, Add</i> ..... 37.77 <i>For Stainless Steel, Add</i> ..... 151.06		
04 05 19 13-0273	CLF	#13		(For 13" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement ..... 135.52 <i>For Hot-Dipped Galvanized, Add</i> ..... 38.07 <i>For Stainless Steel, Add</i> ..... 152.28		
04 05 19 13-0274	CLF	#14		(For 14" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement ..... 139.18 <i>For Hot-Dipped Galvanized, Add</i> ..... 38.42 <i>For Stainless Steel, Add</i> ..... 153.68		
04 05 19 13-0275	CLF	#16		(For 16" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement ..... 152.87 <i>For Hot-Dipped Galvanized, Add</i> ..... 43.28 <i>For Stainless Steel, Add</i> ..... 173.12		
04 05 19 13-0276	CLF	#18		(For 18" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement ..... 176.29 <i>For Hot-Dipped Galvanized, Add</i> ..... 53.02 <i>For Stainless Steel, Add</i> ..... 212.06		

**04 Masonry****04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

04 05 19 13-0277	Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0204)</small>		
04 05 19 13-0278	CLF #4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	120.53	
	<i>For Hot-Dipped Galvanized, Add</i> .....	40.97	
	<i>For Stainless Steel, Add</i> .....	163.86	
04 05 19 13-0279	CLF #6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	124.31	
	<i>For Hot-Dipped Galvanized, Add</i> .....	41.54	
	<i>For Stainless Steel, Add</i> .....	166.14	
04 05 19 13-0280	CLF #8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	129.30	
	<i>For Hot-Dipped Galvanized, Add</i> .....	42.16	
	<i>For Stainless Steel, Add</i> .....	168.64	
04 05 19 13-0281	CLF #10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	134.96	
	<i>For Hot-Dipped Galvanized, Add</i> .....	42.74	
	<i>For Stainless Steel, Add</i> .....	170.96	
04 05 19 13-0282	CLF #12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	141.70	
	<i>For Hot-Dipped Galvanized, Add</i> .....	43.36	
	<i>For Stainless Steel, Add</i> .....	173.42	
04 05 19 13-0283	CLF #13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	146.74	
	<i>For Hot-Dipped Galvanized, Add</i> .....	43.69	
	<i>For Stainless Steel, Add</i> .....	174.76	
04 05 19 13-0284	CLF #14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	150.34	
	<i>For Hot-Dipped Galvanized, Add</i> .....	44.00	
	<i>For Stainless Steel, Add</i> .....	175.98	
04 05 19 13-0285	CLF #16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	167.58	
	<i>For Hot-Dipped Galvanized, Add</i> .....	50.64	
	<i>For Stainless Steel, Add</i> .....	202.56	
04 05 19 13-0286	CLF #18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	201.53	
	<i>For Hot-Dipped Galvanized, Add</i> .....	65.64	
	<i>For Stainless Steel, Add</i> .....	262.56	
04 05 19 13-0287	Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0204)</small>		
04 05 19 13-0288	CLF #4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	131.24	
	<i>For Hot-Dipped Galvanized, Add</i> .....	46.32	
	<i>For Stainless Steel, Add</i> .....	185.28	
04 05 19 13-0289	CLF #6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	136.51	
	<i>For Hot-Dipped Galvanized, Add</i> .....	47.47	
	<i>For Stainless Steel, Add</i> .....	189.88	
04 05 19 13-0290	CLF #8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	141.78	
	<i>For Hot-Dipped Galvanized, Add</i> .....	48.62	
	<i>For Stainless Steel, Add</i> .....	194.48	
04 05 19 13-0291	CLF #10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	149.45	
	<i>For Hot-Dipped Galvanized, Add</i> .....	49.99	
	<i>For Stainless Steel, Add</i> .....	199.94	
04 05 19 13-0292	CLF #12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	157.15	
	<i>For Hot-Dipped Galvanized, Add</i> .....	51.36	
	<i>For Stainless Steel, Add</i> .....	205.42	
04 05 19 13-0293	CLF #13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	163.54	
	<i>For Hot-Dipped Galvanized, Add</i> .....	52.08	
	<i>For Stainless Steel, Add</i> .....	208.32	
04 05 19 13-0294	CLF #14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	167.27	
	<i>For Hot-Dipped Galvanized, Add</i> .....	52.71	
	<i>For Stainless Steel, Add</i> .....	210.82	
04 05 19 13-0295	CLF #16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	174.23	
	<i>For Hot-Dipped Galvanized, Add</i> .....	53.96	
	<i>For Stainless Steel, Add</i> .....	215.84	
04 05 19 13-0296	CLF #18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	215.90	
	<i>For Hot-Dipped Galvanized, Add</i> .....	72.82	
	<i>For Stainless Steel, Add</i> .....	291.26	
04 05 19 13-0297	Truss-Type With Tabs, Masonry Wall Reinforcement <small>(04 05 19 13-0203)</small>		
04 05 19 13-0298	9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement <small>(04 05 19 13-0297)</small>		
04 05 19 13-0299	CLF #8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement .....	94.44	
	<i>For Hot-Dipped Galvanized, Add</i> .....	22.17	
	<i>For Stainless Steel, Add</i> .....	88.66	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 05 19 13-0300	CLF	#10	(For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		102.14	
			<i>For Hot-Dipped Galvanized, Add</i>		23.24	
			<i>For Stainless Steel, Add</i>		92.94	
04 05 19 13-0301	CLF	#12	(For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		110.43	
			<i>For Hot-Dipped Galvanized, Add</i>		24.60	
			<i>For Stainless Steel, Add</i>		98.38	
04 05 19 13-0302	CLF	#13	(For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		117.85	
			<i>For Hot-Dipped Galvanized, Add</i>		25.53	
			<i>For Stainless Steel, Add</i>		102.10	
04 05 19 13-0303	CLF	#14	(For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		122.20	
			<i>For Hot-Dipped Galvanized, Add</i>		26.31	
			<i>For Stainless Steel, Add</i>		105.22	
04 05 19 13-0304	CLF	#16	(For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		130.97	
			<i>For Hot-Dipped Galvanized, Add</i>		28.19	
			<i>For Stainless Steel, Add</i>		112.74	
04 05 19 13-0305	CLF	#18	(For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		139.17	
			<i>For Hot-Dipped Galvanized, Add</i>		30.06	
			<i>For Stainless Steel, Add</i>		120.24	

**04 05 19 13-0306      3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement** (04 05 19 13-0297)

04 05 19 13-0307	CLF	#8	(For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		108.25	
			<i>For Hot-Dipped Galvanized, Add</i>		29.07	
			<i>For Stainless Steel, Add</i>		116.28	
04 05 19 13-0308	CLF	#10	(For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		115.98	
			<i>For Hot-Dipped Galvanized, Add</i>		30.16	
			<i>For Stainless Steel, Add</i>		120.62	
04 05 19 13-0309	CLF	#12	(For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		124.21	
			<i>For Hot-Dipped Galvanized, Add</i>		31.49	
			<i>For Stainless Steel, Add</i>		125.94	
04 05 19 13-0310	CLF	#13	(For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		131.66	
			<i>For Hot-Dipped Galvanized, Add</i>		32.43	
			<i>For Stainless Steel, Add</i>		129.72	
04 05 19 13-0311	CLF	#14	(For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		135.92	
			<i>For Hot-Dipped Galvanized, Add</i>		33.17	
			<i>For Stainless Steel, Add</i>		132.66	
04 05 19 13-0312	CLF	#16	(For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		144.71	
			<i>For Hot-Dipped Galvanized, Add</i>		35.06	
			<i>For Stainless Steel, Add</i>		140.22	
04 05 19 13-0313	CLF	#18	(For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		152.98	
			<i>For Hot-Dipped Galvanized, Add</i>		36.97	
			<i>For Stainless Steel, Add</i>		147.86	

**04 05 19 13-0314      3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement** (04 05 19 13-0297)

04 05 19 13-0315	CLF	#8	(For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		121.05	
			<i>For Hot-Dipped Galvanized, Add</i>		35.47	
			<i>For Stainless Steel, Add</i>		141.88	
04 05 19 13-0316	CLF	#10	(For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		129.97	
			<i>For Hot-Dipped Galvanized, Add</i>		37.15	
			<i>For Stainless Steel, Add</i>		148.60	
04 05 19 13-0317	CLF	#12	(For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		140.15	
			<i>For Hot-Dipped Galvanized, Add</i>		39.46	
			<i>For Stainless Steel, Add</i>		157.82	
04 05 19 13-0318	CLF	#13	(For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		148.22	
			<i>For Hot-Dipped Galvanized, Add</i>		40.71	
			<i>For Stainless Steel, Add</i>		162.84	
04 05 19 13-0319	CLF	#14	(For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		153.51	
			<i>For Hot-Dipped Galvanized, Add</i>		41.96	
			<i>For Stainless Steel, Add</i>		167.84	
04 05 19 13-0320	CLF	#16	(For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		164.17	
			<i>For Hot-Dipped Galvanized, Add</i>		44.79	
			<i>For Stainless Steel, Add</i>		179.14	
04 05 19 13-0321	CLF	#18	(For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		173.30	
			<i>For Hot-Dipped Galvanized, Add</i>		47.13	
			<i>For Stainless Steel, Add</i>		188.50	

**04 Masonry****04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**
 MINOR  
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04 05 19 13-0322	Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0203)</small>		
04 05 19 13-0323	9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0322)</small>		
04 05 19 13-0324	CLF #8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	137.49	
	For Hot-Dipped Galvanized, Add	43.69	
	For Stainless Steel, Add	174.76	
04 05 19 13-0325	CLF #10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	143.66	
	For Hot-Dipped Galvanized, Add	44.00	
	For Stainless Steel, Add	175.98	
04 05 19 13-0326	CLF #12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	151.36	
	For Hot-Dipped Galvanized, Add	45.06	
	For Stainless Steel, Add	180.24	
04 05 19 13-0327	CLF #14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	162.56	
	For Hot-Dipped Galvanized, Add	46.49	
	For Stainless Steel, Add	185.94	
04 05 19 13-0328	CLF #16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	170.93	
	For Hot-Dipped Galvanized, Add	48.17	
	For Stainless Steel, Add	192.66	
04 05 19 13-0329	CLF #18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	179.47	
	For Hot-Dipped Galvanized, Add	50.21	
	For Stainless Steel, Add	200.84	
04 05 19 13-0330	3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0322)</small>		
04 05 19 13-0331	CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	158.84	
	For Hot-Dipped Galvanized, Add	54.37	
	For Stainless Steel, Add	217.46	
04 05 19 13-0332	CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	165.32	
	For Hot-Dipped Galvanized, Add	54.83	
	For Stainless Steel, Add	219.30	
04 05 19 13-0333	CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	173.03	
	For Hot-Dipped Galvanized, Add	55.90	
	For Stainless Steel, Add	223.58	
04 05 19 13-0334	CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	184.16	
	For Hot-Dipped Galvanized, Add	57.29	
	For Stainless Steel, Add	229.14	
04 05 19 13-0335	CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	192.25	
	For Hot-Dipped Galvanized, Add	58.83	
	For Stainless Steel, Add	235.30	
04 05 19 13-0336	CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	199.82	
	For Hot-Dipped Galvanized, Add	60.39	
	For Stainless Steel, Add	241.54	
04 05 19 13-0337	3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0322)</small>		
04 05 19 13-0338	CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	170.54	
	For Hot-Dipped Galvanized, Add	60.22	
	For Stainless Steel, Add	240.86	
04 05 19 13-0339	CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	177.02	
	For Hot-Dipped Galvanized, Add	60.68	
	For Stainless Steel, Add	242.70	
04 05 19 13-0340	CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	185.95	
	For Hot-Dipped Galvanized, Add	62.36	
	For Stainless Steel, Add	249.42	
04 05 19 13-0341	CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	198.70	
	For Hot-Dipped Galvanized, Add	64.56	
	For Stainless Steel, Add	258.22	
04 05 19 13-0342	CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	209.27	
	For Hot-Dipped Galvanized, Add	67.34	
	For Stainless Steel, Add	269.34	
04 05 19 13-0343	CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	219.89	
	For Hot-Dipped Galvanized, Add	70.42	
	For Stainless Steel, Add	281.68	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 05 19 13-0344			Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0203)</small>		
04 05 19 13-0345			9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0344)</small>		
04 05 19 13-0346	CLF	#10	(For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	147.11	
			<i>For Hot-Dipped Galvanized, Add</i>	45.72	
			<i>For Stainless Steel, Add</i>	182.88	
04 05 19 13-0347	CLF	#12	(For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	153.32	
			<i>For Hot-Dipped Galvanized, Add</i>	46.04	
			<i>For Stainless Steel, Add</i>	184.16	
04 05 19 13-0348	CLF	#14	(For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	163.75	
			<i>For Hot-Dipped Galvanized, Add</i>	47.08	
			<i>For Stainless Steel, Add</i>	188.32	
04 05 19 13-0349	CLF	#16	(For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	171.57	
			<i>For Hot-Dipped Galvanized, Add</i>	48.49	
			<i>For Stainless Steel, Add</i>	193.94	
04 05 19 13-0350	CLF	#18	(For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	179.44	
			<i>For Hot-Dipped Galvanized, Add</i>	50.20	
			<i>For Stainless Steel, Add</i>	200.78	
04 05 19 13-0351	CLF	#20	(For 14" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	186.02	
			<i>For Hot-Dipped Galvanized, Add</i>	51.94	
			<i>For Stainless Steel, Add</i>	207.74	
04 05 19 13-0352			3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0344)</small>		
04 05 19 13-0353	CLF	#10	(For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	168.40	
			<i>For Hot-Dipped Galvanized, Add</i>	56.37	
			<i>For Stainless Steel, Add</i>	225.46	
04 05 19 13-0354	CLF	#12	(For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	174.89	
			<i>For Hot-Dipped Galvanized, Add</i>	56.83	
			<i>For Stainless Steel, Add</i>	227.30	
04 05 19 13-0355	CLF	#14	(For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	185.38	
			<i>For Hot-Dipped Galvanized, Add</i>	57.90	
			<i>For Stainless Steel, Add</i>	231.58	
04 05 19 13-0356	CLF	#16	(For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	193.20	
			<i>For Hot-Dipped Galvanized, Add</i>	59.30	
			<i>For Stainless Steel, Add</i>	237.20	
04 05 19 13-0357	CLF	#18	(For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	200.73	
			<i>For Hot-Dipped Galvanized, Add</i>	60.84	
			<i>For Stainless Steel, Add</i>	243.36	
04 05 19 13-0358	CLF	#20	(For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	207.50	
			<i>For Hot-Dipped Galvanized, Add</i>	62.68	
			<i>For Stainless Steel, Add</i>	250.70	
04 05 19 13-0359			3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0344)</small>		
04 05 19 13-0360	CLF	#10	(For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	180.13	
			<i>For Hot-Dipped Galvanized, Add</i>	62.23	
			<i>For Stainless Steel, Add</i>	248.92	
04 05 19 13-0361	CLF	#12	(For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	186.59	
			<i>For Hot-Dipped Galvanized, Add</i>	62.68	
			<i>For Stainless Steel, Add</i>	250.70	
04 05 19 13-0362	CLF	#14	(For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	198.36	
			<i>For Hot-Dipped Galvanized, Add</i>	64.39	
			<i>For Stainless Steel, Add</i>	257.54	
04 05 19 13-0363	CLF	#16	(For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	207.74	
			<i>For Hot-Dipped Galvanized, Add</i>	66.57	
			<i>For Stainless Steel, Add</i>	266.28	
04 05 19 13-0364	CLF	#18	(For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	217.72	
			<i>For Hot-Dipped Galvanized, Add</i>	69.34	
			<i>For Stainless Steel, Add</i>	277.34	
04 05 19 13-0365	CLF	#20	(For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	225.04	
			<i>For Hot-Dipped Galvanized, Add</i>	71.45	
			<i>For Stainless Steel, Add</i>	285.78	

**04 Masonry****04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**
 MINOR  
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 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

04 05 19 13-0366	Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0203)</small>		
04 05 19 13-0367	9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0366)</small>		
04 05 19 13-0368	CLF #8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	138.89	
	<i>For Hot-Dipped Galvanized, Add</i>	41.61	
	<i>For Stainless Steel, Add</i>	166.44	
	<i>For Seismic Hook And Eye, Add</i>	17.89	
04 05 19 13-0369	CLF #10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	145.04	
	<i>For Hot-Dipped Galvanized, Add</i>	41.90	
	<i>For Stainless Steel, Add</i>	167.60	
	<i>For Seismic Hook And Eye, Add</i>	18.02	
04 05 19 13-0370	CLF #12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	155.19	
	<i>For Hot-Dipped Galvanized, Add</i>	42.80	
	<i>For Stainless Steel, Add</i>	171.20	
	<i>For Seismic Hook And Eye, Add</i>	18.40	
04 05 19 13-0371	CLF #14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	162.80	
	<i>For Hot-Dipped Galvanized, Add</i>	44.10	
	<i>For Stainless Steel, Add</i>	176.40	
	<i>For Seismic Hook And Eye, Add</i>	18.96	
04 05 19 13-0372	CLF #16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	169.94	
	<i>For Hot-Dipped Galvanized, Add</i>	45.45	
	<i>For Stainless Steel, Add</i>	181.78	
	<i>For Seismic Hook And Eye, Add</i>	19.54	
04 05 19 13-0373	CLF #18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	176.34	
	<i>For Hot-Dipped Galvanized, Add</i>	47.10	
	<i>For Stainless Steel, Add</i>	188.38	
	<i>For Seismic Hook And Eye, Add</i>	20.25	
04 05 19 13-0374	3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0366)</small>		
04 05 19 13-0375	CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	158.50	
	<i>For Hot-Dipped Galvanized, Add</i>	51.42	
	<i>For Stainless Steel, Add</i>	205.66	
	<i>For Seismic Hook And Eye, Add</i>	22.11	
04 05 19 13-0376	CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	164.87	
	<i>For Hot-Dipped Galvanized, Add</i>	51.82	
	<i>For Stainless Steel, Add</i>	207.26	
	<i>For Seismic Hook And Eye, Add</i>	22.28	
04 05 19 13-0377	CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	174.87	
	<i>For Hot-Dipped Galvanized, Add</i>	52.64	
	<i>For Stainless Steel, Add</i>	210.56	
	<i>For Seismic Hook And Eye, Add</i>	22.64	
04 05 19 13-0378	CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	182.35	
	<i>For Hot-Dipped Galvanized, Add</i>	53.88	
	<i>For Stainless Steel, Add</i>	215.50	
	<i>For Seismic Hook And Eye, Add</i>	23.17	
04 05 19 13-0379	CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	189.46	
	<i>For Hot-Dipped Galvanized, Add</i>	55.21	
	<i>For Stainless Steel, Add</i>	220.82	
	<i>For Seismic Hook And Eye, Add</i>	23.74	
04 05 19 13-0380	CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	195.49	
	<i>For Hot-Dipped Galvanized, Add</i>	56.67	
	<i>For Stainless Steel, Add</i>	226.68	
	<i>For Seismic Hook And Eye, Add</i>	24.37	
04 05 19 13-0381	3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0366)</small>		
04 05 19 13-0382	CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	170.36	
	<i>For Hot-Dipped Galvanized, Add</i>	57.35	
	<i>For Stainless Steel, Add</i>	229.38	
	<i>For Seismic Hook And Eye, Add</i>	24.66	
04 05 19 13-0383	CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	176.81	
	<i>For Hot-Dipped Galvanized, Add</i>	57.79	
	<i>For Stainless Steel, Add</i>	231.14	
	<i>For Seismic Hook And Eye, Add</i>	24.85	
04 05 19 13-0384	CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	188.37	
	<i>For Hot-Dipped Galvanized, Add</i>	59.39	
	<i>For Stainless Steel, Add</i>	237.56	
	<i>For Seismic Hook And Eye, Add</i>	25.54	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 05 19 13-0385	CLF	#14	(For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	197.57	
			<i>For Hot-Dipped Galvanized, Add</i>	61.49	
			<i>For Stainless Steel, Add</i>	245.94	
			<i>For Seismic Hook And Eye, Add</i>	26.44	
04 05 19 13-0386	CLF	#16	(For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	207.30	
			<i>For Hot-Dipped Galvanized, Add</i>	64.13	
			<i>For Stainless Steel, Add</i>	256.50	
			<i>For Seismic Hook And Eye, Add</i>	27.57	
04 05 19 13-0387	CLF	#18	(For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	216.27	
			<i>For Hot-Dipped Galvanized, Add</i>	67.06	
			<i>For Stainless Steel, Add</i>	268.24	
			<i>For Seismic Hook And Eye, Add</i>	28.84	
<b>04 05 19 13-0388</b>			<b>Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0203)</small>		
<b>04 05 19 13-0389</b>			<b>9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall</b> <small>(04 05 19 13-0388)</small>		
04 05 19 13-0390	CLF	#10	(For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement .....	148.37	
			<i>For Hot-Dipped Galvanized, Add</i>	43.57	
			<i>For Stainless Steel, Add</i>	174.26	
			<i>For Seismic Hook And Eye, Add</i>	18.73	
04 05 19 13-0391	CLF	#12	(For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement .....	157.33	
			<i>For Hot-Dipped Galvanized, Add</i>	43.87	
			<i>For Stainless Steel, Add</i>	175.48	
			<i>For Seismic Hook And Eye, Add</i>	18.86	
04 05 19 13-0392	CLF	#14	(For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement .....	164.27	
			<i>For Hot-Dipped Galvanized, Add</i>	44.84	
			<i>For Stainless Steel, Add</i>	179.34	
			<i>For Seismic Hook And Eye, Add</i>	19.28	
04 05 19 13-0393	CLF	#16	(For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement .....	171.47	
			<i>For Hot-Dipped Galvanized, Add</i>	46.21	
			<i>For Stainless Steel, Add</i>	184.84	
			<i>For Seismic Hook And Eye, Add</i>	19.87	
04 05 19 13-0394	CLF	#18	(For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement .....	177.74	
			<i>For Hot-Dipped Galvanized, Add</i>	47.80	
			<i>For Stainless Steel, Add</i>	191.18	
			<i>For Seismic Hook And Eye, Add</i>	20.55	
<b>04 05 19 13-0395</b>			<b>3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0388)</small>		
04 05 19 13-0396	CLF	#10	(For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	169.51	
			<i>For Hot-Dipped Galvanized, Add</i>	54.14	
			<i>For Stainless Steel, Add</i>	216.54	
			<i>For Seismic Hook And Eye, Add</i>	23.28	
04 05 19 13-0397	CLF	#12	(For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	178.53	
			<i>For Hot-Dipped Galvanized, Add</i>	54.47	
			<i>For Stainless Steel, Add</i>	217.88	
			<i>For Seismic Hook And Eye, Add</i>	23.42	
04 05 19 13-0398	CLF	#14	(For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	185.41	
			<i>For Hot-Dipped Galvanized, Add</i>	55.41	
			<i>For Stainless Steel, Add</i>	221.62	
			<i>For Seismic Hook And Eye, Add</i>	23.82	
04 05 19 13-0399	CLF	#16	(For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	192.36	
			<i>For Hot-Dipped Galvanized, Add</i>	56.66	
			<i>For Stainless Steel, Add</i>	226.62	
			<i>For Seismic Hook And Eye, Add</i>	24.36	
04 05 19 13-0400	CLF	#18	(For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	198.03	
			<i>For Hot-Dipped Galvanized, Add</i>	57.94	
			<i>For Stainless Steel, Add</i>	231.76	
			<i>For Seismic Hook And Eye, Add</i>	24.91	
<b>04 05 19 13-0401</b>			<b>3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0388)</small>		
04 05 19 13-0402	CLF	#10	(For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	179.78	
			<i>For Hot-Dipped Galvanized, Add</i>	59.27	
			<i>For Stainless Steel, Add</i>	237.08	
			<i>For Seismic Hook And Eye, Add</i>	25.49	

**04 Masonry****04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

04 05 19 13-0403	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	188.98
		For Hot-Dipped Galvanized, Add	59.70
		For Stainless Steel, Add	238.78
		For Seismic Hook And Eye, Add	25.67
04 05 19 13-0404	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	197.23
		For Hot-Dipped Galvanized, Add	61.32
		For Stainless Steel, Add	245.26
		For Seismic Hook And Eye, Add	26.37
04 05 19 13-0405	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	205.84
		For Hot-Dipped Galvanized, Add	63.40
		For Stainless Steel, Add	253.58
		For Seismic Hook And Eye, Add	27.26
04 05 19 13-0406	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	214.22
		For Hot-Dipped Galvanized, Add	66.04
		For Stainless Steel, Add	264.14
		For Seismic Hook And Eye, Add	28.40

**04 05 19 16 Masonry Anchors (04 05 19)****04 05 19 16-0001 Rectangular, Wire Masonry Wall Ties (04 05 19 16)****04 05 19 16-0002 Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Ties (04 05 19 16-0001)**

04 05 19 16-0003	EA	2" Width x 4" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.18
04 05 19 16-0004	EA	2" Width x 6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.24
04 05 19 16-0005	EA	2" Width x 8" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.29
04 05 19 16-0006	EA	2" Width x 10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.35
04 05 19 16-0007	EA	2" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.42
04 05 19 16-0008	EA	4" Width x 6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.29
04 05 19 16-0009	EA	4" Width x 8" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.35
04 05 19 16-0010	EA	4" Width x 10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.42
04 05 19 16-0011	EA	4" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.48

**04 05 19 16-0012 Mill Galvanized, Rectangular, Wire Masonry Wall Ties (04 05 19 16-0001)**

04 05 19 16-0013	EA	2" Width x 4" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.09
04 05 19 16-0014	EA	2" Width x 6" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.11
04 05 19 16-0015	EA	2" Width x 8" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.13
04 05 19 16-0016	EA	2" Width x 10" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.17
04 05 19 16-0017	EA	2" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.20
04 05 19 16-0018	EA	4" Width x 6" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.13
04 05 19 16-0019	EA	4" Width x 8" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.17
04 05 19 16-0020	EA	4" Width x 10" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.20
04 05 19 16-0021	EA	4" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.24

**04 05 19 16-0022 Z-Type, Wire Masonry Wall Ties (04 05 19 16)****04 05 19 16-0023 Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Ties (04 05 19 16-0022)**

04 05 19 16-0024	EA	6" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie.....	1.09
04 05 19 16-0025	EA	8" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie.....	1.12
04 05 19 16-0026	EA	10" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie.....	1.22
04 05 19 16-0027	EA	12" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie.....	1.26
04 05 19 16-0028	EA	6" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie.....	1.27
04 05 19 16-0029	EA	8" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie.....	1.33
04 05 19 16-0030	EA	10" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie.....	1.40
04 05 19 16-0031	EA	12" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie.....	1.45

**04 05 19 16-0032 Mill Galvanized, Z-Type, Wire Masonry Wall Ties (04 05 19 16-0022)**

04 05 19 16-0033	EA	6" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie.....	1.02
04 05 19 16-0034	EA	8" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie.....	1.03
04 05 19 16-0035	EA	10" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie.....	1.10
04 05 19 16-0036	EA	12" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie.....	1.12
04 05 19 16-0037	EA	6" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie.....	1.13
04 05 19 16-0038	EA	8" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie.....	1.17
04 05 19 16-0039	EA	10" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie.....	1.20
04 05 19 16-0040	EA	12" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie.....	1.25

**04 05 19 16-0041 Wire Beam Ties (04 05 19 16)****04 05 19 16-0042 Hot-Dipped Galvanized, Wire Beam Ties (04 05 19 16-0041)**

04 05 19 16-0043	EA	2" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie.....	1.35
04 05 19 16-0044	EA	4" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie.....	1.37
04 05 19 16-0045	EA	6" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie.....	1.39
04 05 19 16-0046	EA	8" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie.....	1.42
04 05 19 16-0047	EA	10" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie.....	1.46

**04 05 19 16-0048 Mill Galvanized, Wire Beam Ties (04 05 19 16-0041)**

04 05 19 16-0049	EA	2" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie.....	1.54
04 05 19 16-0050	EA	4" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie.....	1.59

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 05 19 16-0051	EA	6" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie.....	1.65		
04 05 19 16-0052	EA	8" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie.....	1.68		
04 05 19 16-0053	EA	10" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie.....	1.72		
04 05 19 16-0054	<b>Adjustable Double Pintle, Wire Masonry Wall Ties</b> <small>(04 05 19 16)</small>				
04 05 19 16-0055	<b>Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Ties</b> <small>(04 05 19 16-0054)</small>				
04 05 19 16-0056	EA	6" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie.....	1.46		
04 05 19 16-0057	EA	7" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie.....	1.51		
04 05 19 16-0058	EA	8" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie.....	1.53		
04 05 19 16-0059	EA	9" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie.....	1.57		
04 05 19 16-0060	EA	10" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie.....	1.59		
04 05 19 16-0061	<b>Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Ties</b> <small>(04 05 19 16-0054)</small>				
04 05 19 16-0062	EA	6" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie.....	1.29		
04 05 19 16-0063	EA	7" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie.....	1.32		
04 05 19 16-0064	EA	8" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie.....	1.33		
04 05 19 16-0065	EA	9" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie.....	1.36		
04 05 19 16-0066	EA	10" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie.....	1.37		
04 05 19 16-0067	<b>Corrugated Buck (Brick) Anchors</b> <small>(04 05 19 16)</small>				
04 05 19 16-0068	<b>Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchors</b> <small>(04 05 19 16-0067)</small>				
04 05 19 16-0069	EA	3-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	1.70		
04 05 19 16-0070	EA	4-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	1.76		
04 05 19 16-0071	EA	5-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	1.81		
04 05 19 16-0072	EA	6-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	1.86		
04 05 19 16-0073	EA	7-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	1.91		
04 05 19 16-0074	EA	3-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	1.75		
04 05 19 16-0075	EA	4-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	1.80		
04 05 19 16-0076	EA	5-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	1.86		
04 05 19 16-0077	EA	6-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	1.92		
04 05 19 16-0078	EA	7-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	1.98		
04 05 19 16-0079	<b>Mill Galvanized, Corrugated Buck (Brick) Anchors</b> <small>(04 05 19 16-0067)</small>				
04 05 19 16-0080	EA	3-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	1.51		
04 05 19 16-0081	EA	4-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	1.55		
04 05 19 16-0082	EA	5-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	1.59		
04 05 19 16-0083	EA	6-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	1.63		
04 05 19 16-0084	EA	7-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	1.67		
04 05 19 16-0085	EA	3-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	1.55		
04 05 19 16-0086	EA	4-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	1.59		
04 05 19 16-0087	EA	5-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	1.63		
04 05 19 16-0088	EA	6-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	1.67		
04 05 19 16-0089	EA	7-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	1.72		
04 05 19 16-0090	<b>Corrugated Wall Ties</b> <small>(04 05 19 16)</small>				
04 05 19 16-0091	<b>Hot-Dipped Galvanized, Corrugated Wall Ties</b> <small>(04 05 19 16-0090)</small>				
04 05 19 16-0092	EA	7/8" Width, 7" Length, 28 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie.....	1.02		
04 05 19 16-0093	EA	7/8" Width, 7" Length, 26 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie.....	1.06		
04 05 19 16-0094	EA	7/8" Width, 7" Length, 24 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie.....	1.08		
04 05 19 16-0095	EA	7/8" Width, 7" Length, 22 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie.....	1.09		
04 05 19 16-0096	EA	7/8" Width, 7" Length, 16 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie.....	1.24		
04 05 19 16-0097	<b>Mill Galvanized, Corrugated Wall Ties</b> <small>(04 05 19 16-0090)</small>				
04 05 19 16-0098	EA	7/8" Width, 7" Length, 26 Gauge, Mill Galvanized, Corrugated Wall Tie.....	1.03		
04 05 19 16-0099	EA	7/8" Width, 7" Length, 24 Gauge, Mill Galvanized, Corrugated Wall Tie.....	1.04		
04 05 19 16-0100	EA	7/8" Width, 7" Length, 22 Gauge, Mill Galvanized, Corrugated Wall Tie.....	1.06		
04 05 19 16-0101	EA	7/8" Width, 7" Length, 16 Gauge, Mill Galvanized, Corrugated Wall Tie.....	1.17		
04 05 19 16-0102	<b>Stainless Steel, Corrugated Wall Ties</b> <small>(04 05 19 16-0090)</small>				
04 05 19 16-0103	EA	7/8" Width, 7" Length, 28 Gauge, Stainless Steel, Corrugated Wall Tie.....	1.31		
04 05 19 16-0104	EA	7/8" Width, 7" Length, 26 Gauge, Stainless Steel, Corrugated Wall Tie.....	1.36		
04 05 19 16-0105	EA	7/8" Width, 7" Length, 24 Gauge, Stainless Steel, Corrugated Wall Tie.....	1.42		
04 05 19 16-0106	EA	7/8" Width, 7" Length, 22 Gauge, Stainless Steel, Corrugated Wall Tie.....	1.47		
04 05 19 16-0107	EA	7/8" Width, 7" Length, 16 Gauge, Stainless Steel, Corrugated Wall Tie.....	1.73		
04 05 19 16-0108	<b>Wire Mesh Wall Ties</b> <small>(04 05 19 16)</small>				
Note: 1/2" square mesh.					
04 05 19 16-0109	EA	3" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie.....	1.89		
04 05 19 16-0110	EA	3" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie.....	2.23		
04 05 19 16-0111	EA	6" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie.....	2.58		
04 05 19 16-0112	EA	6" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie.....	3.20		
04 05 19 16-0113	EA	10" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie.....	3.10		
04 05 19 16-0114	EA	10" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie.....	3.66		

**04 Masonry**  
**04 05 Common Work Results for Masonry**  
**04 05 19 Masonry Anchorage and Reinforcing**

MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

04 05 19 16-0115		Triangle Brick Ties <small>(04 05 19 16)</small>	
04 05 19 16-0116		Hot-Dipped Galvanized, Triangle Brick Ties <small>(04 05 19 16-0115)</small>	
04 05 19 16-0117	EA	3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie .....	1.69
04 05 19 16-0118	EA	3-1/2" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie .....	1.71
04 05 19 16-0119	EA	4" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie .....	1.74
04 05 19 16-0120	EA	4-1/2" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie .....	1.81
04 05 19 16-0121	EA	5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie .....	1.83
04 05 19 16-0122	EA	6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie .....	1.93
04 05 19 16-0123	EA	7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie .....	1.97
04 05 19 16-0124	EA	9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie .....	2.09
04 05 19 16-0125	EA	3" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie .....	1.93
04 05 19 16-0126	EA	3-1/2" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie .....	1.95
04 05 19 16-0127	EA	4" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie .....	1.96
04 05 19 16-0128	EA	4-1/2" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie .....	2.03
04 05 19 16-0129	EA	5" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie .....	2.05
04 05 19 16-0130	EA	6" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie .....	2.14
04 05 19 16-0131	EA	7" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie .....	2.18
04 05 19 16-0132	EA	9" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie .....	2.30
04 05 19 16-0133		Mill Galvanized, Triangle Brick Ties <small>(04 05 19 16-0115)</small>	
04 05 19 16-0134	EA	3" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie .....	1.58
04 05 19 16-0135	EA	3-1/2" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie .....	1.58
04 05 19 16-0136	EA	4" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie .....	1.59
04 05 19 16-0137	EA	4-1/2" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie .....	1.65
04 05 19 16-0138	EA	5" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie .....	1.66
04 05 19 16-0139	EA	6" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie .....	1.72
04 05 19 16-0140	EA	7" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie .....	1.74
04 05 19 16-0141	EA	9" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie .....	1.78
04 05 19 16-0142	EA	3" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie .....	1.72
04 05 19 16-0143	EA	3-1/2" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie .....	1.73
04 05 19 16-0144	EA	4" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie .....	1.74
04 05 19 16-0145	EA	4-1/2" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie .....	1.81
04 05 19 16-0146	EA	5" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie .....	1.82
04 05 19 16-0147	EA	6" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie .....	1.89
04 05 19 16-0148	EA	7" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie .....	1.92
04 05 19 16-0149	EA	9" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie .....	1.98
04 05 19 16-0150		Seismic Veneer Anchors <small>(04 05 19 16)</small>	
04 05 19 16-0151	EA	3-1/2" Length, 1-1/4" Width, Stainless Steel, Seismic Notch Veneer Anchor .....	5.16
		Note: For horizontal wire attachment. Excludes wire.	
04 05 19 16-0152		Slip-Set, Joint Stabilization Anchors <small>(04 05 19 16)</small>	
		Note: For restraining lateral movement at control joints. Field bendable.	
04 05 19 16-0153	EA	9-5/8" Length, 1-5/8" Width, Mill Galvanized, Slip-Set, Joint Stabilization Anchor .....	4.41
04 05 19 16-0154	EA	9-5/8" Length, 1-5/8" Width, Hot-Dipped Galvanized, Slip-Set, Joint Stabilization Anchor .....	4.76
04 05 19 16-0155	EA	9-5/8" Length, 1-5/8" Width, Stainless Steel, Slip-Set, Joint Stabilization Anchor .....	5.16
04 05 19 16-0156		Strap Partition Top Anchors <small>(04 05 19 16)</small>	
04 05 19 16-0157	EA	12 Gauge Strap, 3/8" Rod, Hot-Dipped Galvanized, Partition Top Anchor .....	2.68
04 05 19 16-0158	EA	12 Gauge Strap, 3/8" Rod, Stainless Steel, Partition Top Anchor .....	5.43
04 05 19 16-0159		Rigid Partition Anchors <small>(04 05 19 16)</small>	
04 05 19 16-0160		Hot-Dipped Galvanized, Rigid Partition Anchors <small>(04 05 19 16-0159)</small>	
04 05 19 16-0161	EA	1" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor .....	2.26
04 05 19 16-0162	EA	1-1/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor .....	2.41
04 05 19 16-0163	EA	1-1/2" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor .....	2.59
04 05 19 16-0164	EA	1-3/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor .....	2.76
04 05 19 16-0165	EA	2" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor .....	2.92
04 05 19 16-0166	EA	2-1/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor .....	3.09
04 05 19 16-0167	EA	1" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor .....	2.93
04 05 19 16-0168	EA	1-1/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor .....	3.45
04 05 19 16-0169	EA	1-1/2" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor .....	3.98
04 05 19 16-0170	EA	1-3/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor .....	4.51
04 05 19 16-0171	EA	2" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor .....	5.04
04 05 19 16-0172	EA	2-1/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor .....	5.57
04 05 19 16-0173		Mill Galvanized, Rigid Partition Anchors <small>(04 05 19 16-0159)</small>	
04 05 19 16-0174	EA	1" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor .....	2.12
04 05 19 16-0175	EA	1-1/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor .....	2.24
04 05 19 16-0176	EA	1-1/2" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor .....	2.37
04 05 19 16-0177	EA	1-3/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor .....	2.50
04 05 19 16-0178	EA	2" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor .....	2.63
04 05 19 16-0179	EA	2-1/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor .....	2.76

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
			UNIT COST	UNIT COST

<b>04 05 19 16-0180</b>		<b>Screw-On Masonry Veneer Anchor Plates</b> <small>(04 05 19 16)</small>		
04 05 19 16-0181	EA	12 Gauge, Hot-Dipped Galvanized, Screw-On Masonry Veneer Anchor Plate.....	1.46	
04 05 19 16-0182	EA	14 Gauge, Hot-Dipped Galvanized, Screw-On Masonry Veneer Anchor Plate.....	1.52	

**04 05 19 16-0183 Wire Column Ties** (04 05 19 16)

**04 05 19 16-0184 Hot-Dipped Galvanized, Wire Column Ties** (04 05 19 16-0183)

04 05 19 16-0185	EA	3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie .....	1.69	
04 05 19 16-0186	EA	5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie .....	1.78	
04 05 19 16-0187	EA	7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie .....	1.85	
04 05 19 16-0188	EA	9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie .....	1.93	
04 05 19 16-0189	EA	10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie .....	1.77	
04 05 19 16-0190	EA	12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie .....	1.85	
04 05 19 16-0191	EA	14" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie .....	1.90	
04 05 19 16-0192	EA	16" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie .....	1.96	
04 05 19 16-0193	EA	3" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie .....	2.16	
04 05 19 16-0194	EA	5" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie .....	2.31	
04 05 19 16-0195	EA	7" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie .....	2.41	
04 05 19 16-0196	EA	9" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie .....	2.55	
04 05 19 16-0197	EA	10" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie .....	2.31	
04 05 19 16-0198	EA	12" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie .....	2.41	
04 05 19 16-0199	EA	14" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie .....	2.50	
04 05 19 16-0200	EA	16" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie .....	2.60	

**04 05 19 16-0201 Mill Galvanized, Wire Column Ties** (04 05 19 16-0183)

04 05 19 16-0202	EA	3" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie .....	1.54	
04 05 19 16-0203	EA	5" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie .....	1.59	
04 05 19 16-0204	EA	7" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie .....	1.62	
04 05 19 16-0205	EA	9" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie .....	1.68	
04 05 19 16-0206	EA	10" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie .....	1.56	
04 05 19 16-0207	EA	12" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie .....	1.61	
04 05 19 16-0208	EA	14" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie .....	1.65	
04 05 19 16-0209	EA	16" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie .....	1.69	
04 05 19 16-0210	EA	3" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie .....	1.88	
04 05 19 16-0211	EA	5" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie .....	1.98	
04 05 19 16-0212	EA	7" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie .....	2.02	
04 05 19 16-0213	EA	9" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie .....	2.12	
04 05 19 16-0214	EA	10" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie .....	1.84	
04 05 19 16-0215	EA	12" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie .....	2.00	
04 05 19 16-0216	EA	14" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie .....	2.07	
04 05 19 16-0217	EA	16" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie .....	2.12	

**04 05 19 16-0218 Dovetail Anchors, Slots And Ties** (04 05 19 16)

**04 05 19 16-0219 Dovetail Anchor Slots** (04 05 19 16-0218)

**04 05 19 16-0220 Hot-Dipped Galvanized, Dovetail Anchor Slot** (04 05 19 16-0219)

04 05 19 16-0221	LF	24 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot.....	3.65	
04 05 19 16-0222	LF	22 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot.....	3.91	
04 05 19 16-0223	LF	20 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot.....	4.06	
04 05 19 16-0224	LF	18 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot.....	4.13	
04 05 19 16-0225	LF	16 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot.....	4.31	

**04 05 19 16-0226 Mill Galvanized, Dovetail Anchor Slot** (04 05 19 16-0219)

04 05 19 16-0227	LF	24 Gauge, Mill Galvanized, Dovetail Anchor Slot .....	3.13	
04 05 19 16-0228	LF	22 Gauge, Mill Galvanized, Dovetail Anchor Slot .....	3.46	
04 05 19 16-0229	LF	20 Gauge, Mill Galvanized, Dovetail Anchor Slot .....	3.53	
04 05 19 16-0230	LF	18 Gauge, Mill Galvanized, Dovetail Anchor Slot .....	3.65	
04 05 19 16-0231	LF	16 Gauge, Mill Galvanized, Dovetail Anchor Slot .....	3.72	

**04 05 19 16-0232 304 Stainless Steel, Dovetail Anchor Slot** (04 05 19 16-0219)

04 05 19 16-0233	LF	24 Gauge, 304 Stainless Steel, Dovetail Anchor Slot.....	3.81	
04 05 19 16-0234	LF	22 Gauge, 304 Stainless Steel, Dovetail Anchor Slot.....	4.16	
04 05 19 16-0235	LF	20 Gauge, 304 Stainless Steel, Dovetail Anchor Slot.....	4.29	
04 05 19 16-0236	LF	18 Gauge, 304 Stainless Steel, Dovetail Anchor Slot.....	4.69	
04 05 19 16-0237	LF	16 Gauge, 304 Stainless Steel, Dovetail Anchor Slot.....	5.08	

**04 05 19 16-0238 316 Stainless Steel, Dovetail Anchor Slot** (04 05 19 16-0219)

04 05 19 16-0239	LF	24 Gauge, 316 Stainless Steel, Dovetail Anchor Slot.....	4.09	
04 05 19 16-0240	LF	22 Gauge, 316 Stainless Steel, Dovetail Anchor Slot.....	4.36	
04 05 19 16-0241	LF	20 Gauge, 316 Stainless Steel, Dovetail Anchor Slot.....	4.63	
04 05 19 16-0242	LF	18 Gauge, 316 Stainless Steel, Dovetail Anchor Slot.....	4.98	
04 05 19 16-0243	LF	16 Gauge, 316 Stainless Steel, Dovetail Anchor Slot.....	5.18	

**04 05 19 16-0244 Dovetail Corrugated Brick Ties** (04 05 19 16-0218)

**04 05 19 16-0245 Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie** (04 05 19 16-0244)

**04 Masonry****04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

04 05 19 16-0246	EA	3-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	1.28
04 05 19 16-0247	EA	5-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	1.36
04 05 19 16-0248	EA	7-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	1.44
04 05 19 16-0249	EA	3-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	1.30
04 05 19 16-0250	EA	5-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	1.45
04 05 19 16-0251	EA	7-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	1.57
04 05 19 16-0252	EA	3-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	1.34
04 05 19 16-0253	EA	5-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	1.45
04 05 19 16-0254	EA	7-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	1.56

**04 05 19 16-0255 Mill Galvanized, Dovetail Corrugated Brick Tie (04 05 19 16-0244)**

04 05 19 16-0256	EA	3-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.20
04 05 19 16-0257	EA	5-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.25
04 05 19 16-0258	EA	7-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.31
04 05 19 16-0259	EA	3-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.24
04 05 19 16-0260	EA	5-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.35
04 05 19 16-0261	EA	7-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.43
04 05 19 16-0262	EA	3-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.26
04 05 19 16-0263	EA	5-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.39
04 05 19 16-0264	EA	7-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.47

**04 05 19 16-0265 Dovetail Stone Anchors (04 05 19 16-0218)****04 05 19 16-0266 Hot-Dipped Galvanized, Dovetail Stone Anchors (04 05 19 16-0265)**

04 05 19 16-0267	EA	3-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor.....	1.45
04 05 19 16-0268	EA	5-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor.....	1.54
04 05 19 16-0269	EA	7-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor.....	1.63

**04 05 19 16-0270 Dovetail Partition Top Anchors (04 05 19 16-0218)**

04 05 19 16-0271	EA	3/8" Rod, Hot-Dipped Galvanized, Dovetail Partition Top Anchor.....	2.84
04 05 19 16-0272	EA	3/8" Rod, Stainless Steel, Dovetail Partition Top Anchor.....	5.85

**04 05 19 16-0273 Dovetail Flexible Triangle Brick Ties (04 05 19 16-0218)****04 05 19 16-0274 Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Ties (04 05 19 16-0273)**

04 05 19 16-0275	EA	3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie.....	2.09
04 05 19 16-0276	EA	5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie.....	2.20
04 05 19 16-0277	EA	7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie.....	2.28
04 05 19 16-0278	EA	9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie.....	2.35

**04 05 19 16-0279 Mill Galvanized, Dovetail Flexible Triangle Brick Ties (04 05 19 16-0273)**

04 05 19 16-0280	EA	3" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie.....	1.93
04 05 19 16-0281	EA	5" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie.....	1.94
04 05 19 16-0282	EA	7" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie.....	1.99
04 05 19 16-0283	EA	9" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie.....	2.12

**04 05 19 26 Masonry Reinforcing Bars (04 05 19)**

Note: Includes cutting and bending.

**04 05 19 26-0001 Plain Steel Masonry Reinforcement Bar (04 05 19 26)**

04 05 19 26-0002	LF	#3, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar.....	0.90
04 05 19 26-0003	LF	#4, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar.....	1.47
04 05 19 26-0004	LF	#5, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar.....	2.06
04 05 19 26-0005	LF	#6, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar.....	2.68
04 05 19 26-0006	LF	#3, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar.....	0.91
04 05 19 26-0007	LF	#4, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar.....	1.49
04 05 19 26-0008	LF	#5, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar.....	2.09
04 05 19 26-0009	LF	#6, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar.....	2.73
04 05 19 26-0010	LF	#3, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar.....	0.93
04 05 19 26-0011	LF	#4, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar.....	1.52
04 05 19 26-0012	LF	#5, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar.....	2.14
04 05 19 26-0013	LF	#6, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar.....	2.80
04 05 19 26-0014	LF	#3, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar.....	1.07
04 05 19 26-0015	LF	#4, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar.....	1.72
04 05 19 26-0016	LF	#5, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar.....	2.42
04 05 19 26-0017	LF	#6, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar.....	3.11
04 05 19 26-0018	LF	#3, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar.....	1.08
04 05 19 26-0019	LF	#4, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar.....	1.74
04 05 19 26-0020	LF	#5, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar.....	2.45
04 05 19 26-0021	LF	#6, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar.....	3.16
04 05 19 26-0022	LF	#3, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar.....	1.10
04 05 19 26-0023	LF	#4, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar.....	1.77
04 05 19 26-0024	LF	#5, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar.....	2.50
04 05 19 26-0025	LF	#6, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar.....	3.23

**04 05 19 26-0026 Galvanized Steel Masonry Reinforcement Bar (04 05 19 26)**

04 05 19 26-0027	LF	#3, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.02
04 05 19 26-0028	LF	#4, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.69

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 05 19 26-0029	LF	#5, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar .....	2.39	
04 05 19 26-0030	LF	#6, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar .....	3.16	
04 05 19 26-0031	LF	#3, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar .....	1.03	
04 05 19 26-0032	LF	#4, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar .....	1.71	
04 05 19 26-0033	LF	#5, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar .....	2.43	
04 05 19 26-0034	LF	#6, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar .....	3.21	
04 05 19 26-0035	LF	#3, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar .....	1.05	
04 05 19 26-0036	LF	#4, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar .....	1.74	
04 05 19 26-0037	LF	#5, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar .....	2.48	
04 05 19 26-0038	LF	#6, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar .....	3.28	
04 05 19 26-0039	LF	#3, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar .....	1.19	
04 05 19 26-0040	LF	#4, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar .....	1.94	
04 05 19 26-0041	LF	#5, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar .....	2.75	
04 05 19 26-0042	LF	#6, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar .....	3.59	
04 05 19 26-0043	LF	#3, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar .....	1.20	
04 05 19 26-0044	LF	#4, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar .....	1.96	
04 05 19 26-0045	LF	#5, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar .....	2.79	
04 05 19 26-0046	LF	#6, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar .....	3.64	
04 05 19 26-0047	LF	#3, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar .....	1.22	
04 05 19 26-0048	LF	#4, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar .....	1.99	
04 05 19 26-0049	LF	#5, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar .....	2.84	
04 05 19 26-0050	LF	#6, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar .....	3.71	

**04 05 19 26-0051 Epoxy-Coated Masonry Reinforcement Bar** (04 05 19 26)

04 05 19 26-0052	LF	#3, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar .....	1.01	
04 05 19 26-0053	LF	#4, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar .....	1.66	
04 05 19 26-0054	LF	#5, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar .....	2.36	
04 05 19 26-0055	LF	#6, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar .....	3.11	
04 05 19 26-0056	LF	#3, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar .....	1.02	
04 05 19 26-0057	LF	#4, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar .....	1.68	
04 05 19 26-0058	LF	#5, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar .....	2.39	
04 05 19 26-0059	LF	#6, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar .....	3.16	
04 05 19 26-0060	LF	#3, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar .....	1.04	
04 05 19 26-0061	LF	#4, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar .....	1.72	
04 05 19 26-0062	LF	#5, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar .....	2.44	
04 05 19 26-0063	LF	#6, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar .....	3.23	
04 05 19 26-0064	LF	#3, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar .....	1.18	
04 05 19 26-0065	LF	#4, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar .....	1.91	
04 05 19 26-0066	LF	#5, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar .....	2.72	
04 05 19 26-0067	LF	#6, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar .....	3.54	
04 05 19 26-0068	LF	#3, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar .....	1.19	
04 05 19 26-0069	LF	#4, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar .....	1.93	
04 05 19 26-0070	LF	#5, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar .....	2.75	
04 05 19 26-0071	LF	#6, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar .....	3.59	
04 05 19 26-0072	LF	#3, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar .....	1.21	
04 05 19 26-0073	LF	#4, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar .....	1.97	
04 05 19 26-0074	LF	#5, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar .....	2.80	
04 05 19 26-0075	LF	#6, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar .....	3.66	

**04 05 23 Masonry Accessories** (04 05)

**04 05 23 13 Masonry Control and Expansion Joints** (04 05 23)

**04 05 23 13-0001 Masonry Control Joints** (04 05 23 13)

**04 05 23 13-0002 Rubber, Masonry Control Joints** (04 05 23 13-0001)

04 05 23 13-0003	LF	1-5/8" Width, T-Style, Rubber, Masonry Control Joint .....	4.79	0.99
04 05 23 13-0004	LF	2-5/8" Width, Rubber, Masonry Control Joint .....	4.68	0.99
04 05 23 13-0005	LF	6-7/8" Width, Rubber, Masonry Control Joint .....	9.27	0.99

**04 05 23 13-0006 Polyvinyl Chloride (PVC), Masonry Control Joints** (04 05 23 13-0001)

04 05 23 13-0007	LF	1-5/8" Width, T-Style, Polyvinyl Chloride (PVC), Masonry Control Joint .....	3.28	0.99
04 05 23 13-0008	LF	2-5/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint .....	3.37	0.99
04 05 23 13-0009	LF	4-7/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint .....	4.25	0.99
04 05 23 13-0010	LF	6-7/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint .....	4.76	0.99
04 05 23 13-0011	LF	11-1/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint .....	4.56	0.99

**04 05 23 16 Masonry Embedded Flashing** (04 05 23)

**04 05 23 16-0001 Lead Coated Copper Through Wall Flashing** (04 05 23 16)

**04 05 23 16-0002 Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing** (04 05 23 16-0001)

04 05 23 16-0003	SF	2 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing .....	8.80	1.71
04 05 23 16-0004	SF	3 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing .....	9.76	1.71
04 05 23 16-0005	SF	5 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing .....	12.40	1.71
04 05 23 16-0006	SF	7 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing .....	14.74	1.71

**04 05 23 16-0007 Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing** (04 05 23 16-0001)

04 05 23 16-0008	SF	2 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing .....	9.73	1.71
04 05 23 16-0009	SF	3 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing .....	10.59	1.71

**04 Masonry****04 05 Common Work Results for Masonry****04 05 23 Masonry Accessories**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

04 05 23 16-0010	SF	5 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	13.64	1.71
04 05 23 16-0011	SF	7 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	16.46	1.71
<b>04 05 23 16-0012</b>		<b>Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing</b> (04 05 23 16-0001)		
04 05 23 16-0013	SF	2 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing .....	9.02	1.71
04 05 23 16-0014	SF	3 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing .....	10.21	1.71
04 05 23 16-0015	SF	5 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing .....	11.93	1.71
04 05 23 16-0016	SF	7 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing .....	15.50	1.71
<b>04 05 23 16-0017</b>		<b>Copper Through Wall Flashing</b> (04 05 23 16)		
<b>04 05 23 16-0018</b>		<b>2 Sides Coated With Asphalt, Thru-Wall Copper Flashing</b> (04 05 23 16-0017)		
04 05 23 16-0019	SF	2 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing .....	7.37	1.60
04 05 23 16-0020	SF	3 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing .....	8.07	1.60
04 05 23 16-0021	SF	5 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing .....	10.01	1.60
04 05 23 16-0022	SF	7 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing .....	11.72	1.60
04 05 23 16-0023	SF	10 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing .....	12.45	1.60
<b>04 05 23 16-0024</b>		<b>2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing</b> (04 05 23 16-0017)		
04 05 23 16-0025	SF	2 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing .....	8.06	1.60
04 05 23 16-0026	SF	3 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing .....	8.68	1.60
04 05 23 16-0027	SF	5 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing .....	10.92	1.60
04 05 23 16-0028	SF	7 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing .....	12.97	1.60
04 05 23 16-0029	SF	10 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing .....	14.19	1.60
<b>04 05 23 16-0030</b>		<b>1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing</b> (04 05 23 16-0017)		
04 05 23 16-0031	SF	2 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing .....	7.44	1.60
04 05 23 16-0032	SF	3 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing .....	8.16	1.60
04 05 23 16-0033	SF	5 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing .....	10.09	1.60
04 05 23 16-0034	SF	7 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing .....	11.79	1.60
04 05 23 16-0035	SF	10 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing .....	12.52	1.60
<b>04 05 23 16-0036</b>		<b>2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing</b> (04 05 23 16-0017)		
04 05 23 16-0037	SF	2 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing .....	7.54	1.60
04 05 23 16-0038	SF	3 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing .....	8.40	1.60
04 05 23 16-0039	SF	5 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing .....	9.66	1.60
04 05 23 16-0040	SF	7 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing .....	12.28	1.60
04 05 23 16-0041	SF	10 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing .....	8.04	1.60
<b>04 05 23 16-0042</b>		<b>2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing</b> (04 05 23 16-0017)		
04 05 23 16-0043	SF	3 Ounce, 2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing .....	10.41	1.60
04 05 23 16-0044	SF	5 Ounce, 2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing .....	13.00	1.60
<b>04 05 23 16-0045</b>		<b>2 Sides Glass Fabric, Thru-Wall Copper Flashing</b> (04 05 23 16-0017)		
		Note: Glass fabric is bonded to both sides with a non-asphaltic adhesive.		
04 05 23 16-0046	SF	3 Ounce, 2 Sides Glass Fabric, Thru-Wall Copper Flashing.....	8.91	1.60
04 05 23 16-0047	SF	5 Ounce, 2 Sides Glass Fabric, Thru-Wall Copper Flashing.....	11.23	1.60
<b>04 05 23 16-0048</b>		<b>Stainless Steel Through Wall Flashing</b> (04 05 23 16)		
<b>04 05 23 16-0049</b>		<b>Paper Backed 2 Sides, Stainless Steel Through Wall Flashing</b> (04 05 23 16-0048)		
04 05 23 16-0050	SF	0.005" Thick Paper Backed 2 Sides, Stainless Steel Through Wall Flashing .....	7.59	1.60
<b>04 05 23 16-0051</b>		<b>Polyvinyl Chloride (PVC) Through Wall Flashing</b> (04 05 23 16)		
04 05 23 16-0052	SF	0.010" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing .....	4.02	1.73
04 05 23 16-0053	SF	0.020" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing .....	4.19	1.73
04 05 23 16-0054	SF	0.030" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing .....	4.37	1.73
04 05 23 16-0055	SF	0.056" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing .....	5.00	1.73
<b>04 05 23 19</b>		<b>Masonry Cavity Drainage, Weepholes, and Vents</b> (04 05 23)		
<b>04 05 23 19-0001</b>		<b>Brick Vents, 4" Deep, With Insect Screen</b> (04 05 23 19)		
		Note: 0.100" nominal wall thickness, three mortar ribs on top and bottom of frame.		
04 05 23 19-0002	EA	8-1/8" x 2-3/8" Aluminum Brick Vent.....	69.05	
04 05 23 19-0003	EA	8-1/8" x 4-3/4" Aluminum Brick Vent.....	85.67	
04 05 23 19-0004	EA	8-1/8" x 7-3/4" Aluminum Brick Vent.....	108.09	
04 05 23 19-0005	EA	12" x 2-3/8" Aluminum Brick Vent.....	84.55	
04 05 23 19-0006	EA	12" x 4-3/4" Aluminum Brick Vent.....	104.47	
04 05 23 19-0007	EA	12" x 7-3/4" Aluminum Brick Vent.....	132.20	
04 05 23 19-0008	EA	16-1/2" x 2-3/8" Aluminum Brick Vent.....	99.98	
04 05 23 19-0009	EA	16-1/2" x 4-3/4" Aluminum Brick Vent.....	135.50	
04 05 23 19-0010	EA	16-1/2" x 7-3/4" Aluminum Brick Vent.....	165.59	
04 05 23 19-0011	EA	24" x 2-3/8" Aluminum Brick Vent.....	135.88	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

04 05 23 19-0012	EA	24" x 4-3/4" Aluminum Brick Vent .....		176.96	
04 05 23 19-0013	EA	24" x 7-3/4" Aluminum Brick Vent .....		217.66	

## 04 20 Unit Masonry <sup>(04)</sup>

Note: Includes finishing joints (pointing) and cleaning of new brick and mortar. Cutting of new bricks/blocks to size. Weep holes and wicking material.

### 04 21 Clay Unit Masonry <sup>(04 20)</sup>

#### 04 21 13 Brick Masonry <sup>(04 21)</sup>

Note: Includes brick and mortar. See CSI section 04 05 19 13-0000 for reinforcing, 04 05 19 16-0000 for masonry anchors.

#### 04 21 13 00-0001 Brick Masonry <sup>(04 21 13)</sup>

04 21 13 00-0002	SF	Standard Size Red Brick, Running Bond .....		23.97	
		Note: Standard size brick, 3-5/8" x 2-1/4" x 8". (6.55 Bricks/SF)			
		For Buff Or Gray, Add		0.84	
		For Common Or American Bond, Add		0.76	
		For English Bond, Add		1.51	
		For Flemish Bond, Add		3.09	
		For Stacked Bond, Add		2.15	
		For <10, Small Area Replacements (Individual Areas), Add		28.65	
		For Curved Wall, Add		3.79	
		For Corbels, Add		14.20	
		For Severe Weather (SW) Brick, Add		0.76	
		For Glazed Brick, Add		17.64	
04 21 13 00-0003	SF	Engineer Standard Size Red Brick, Running Bond .....		24.75	
		Note: Engineer standard size brick, 3-5/8" x 2-3/4" x 8". (5.39 Bricks/SF)			
		For Buff Or Gray, Add		1.04	
		For Common Or American Bond, Add		0.74	
		For English Bond, Add		1.48	
		For Flemish Bond, Add		3.09	
		For Stacked Bond, Add		2.16	
		For <10, Small Area Replacements (Individual Areas), Add		28.06	
		For Curved Wall, Add		3.70	
		For Corbels, Add		13.88	
		For Severe Weather (SW) Brick, Add		0.94	
		For Glazed Brick, Add		21.88	
04 21 13 00-0004	SF	Modular Size Red Brick, Running Bond .....		23.97	
		Note: Modular size brick, 3-5/8" x 2-1/4" x 7-5/8". (6.75 Bricks/SF)			
		For Buff Or Gray, Add		0.84	
		For Common Or American Bond, Add		0.76	
		For English Bond, Add		1.51	
		For Flemish Bond, Add		3.09	
		For Stacked Bond, Add		2.15	
		For <10, Small Area Replacements (Individual Areas), Add		28.65	
		For Curved Wall, Add		3.79	
		For Corbels, Add		14.20	
		For Severe Weather (SW) Brick, Add		0.76	
		For Glazed Brick, Add		17.64	
04 21 13 00-0005	SF	Engineer Modular Size Red Brick, Running Bond .....		24.75	
		Note: Engineer modular size brick, 3-5/8" x 2-3/4" x 7-5/8". (5.63 Bricks/SF)			
		For Buff Or Gray, Add		1.04	
		For Common Or American Bond, Add		0.74	
		For English Bond, Add		1.48	
		For Flemish Bond, Add		3.09	
		For Stacked Bond, Add		2.16	
		For <10, Small Area Replacements (Individual Areas), Add		28.06	
		For Curved Wall, Add		3.70	
		For Corbels, Add		13.88	
		For Severe Weather (SW) Brick, Add		0.94	
		For Glazed Brick, Add		21.88	
04 21 13 00-0006	SF	Economy Size Red Brick, Running Bond .....		24.58	
		Note: Economy size brick, 3-5/8" x 3-5/8" x 7-5/8". (4.5 Bricks/SF)			
		For Buff Or Gray, Add		1.01	
		For Common Or American Bond, Add		0.74	
		For English Bond, Add		1.48	
		For Flemish Bond, Add		3.08	
		For Stacked Bond, Add		2.15	
		For <10, Small Area Replacements (Individual Areas), Add		28.05	
		For Curved Wall, Add		3.70	
		For Corbels, Add		13.88	
		For Severe Weather (SW) Brick, Add		0.91	
		For Glazed Brick, Add		21.28	
04 21 13 00-0007	SF	Utility Size Red Brick, Running Bond .....		18.13	
		Note: Utility size brick, 3-5/8" x 3-5/8" x 11-5/8". (3.0 Bricks/SF)			
		For Buff Or Gray, Add		0.87	
		For Common Or American Bond, Add		0.52	
		For English Bond, Add		1.03	
		For Flemish Bond, Add		2.20	
		For Stacked Bond, Add		1.55	
		For <10, Small Area Replacements (Individual Areas), Add		19.64	
		For Curved Wall, Add		2.58	
		For Corbels, Add		9.69	
		For Severe Weather (SW) Brick, Add		0.78	
		For Glazed Brick, Add		18.24	

**04 Masonry****04 20 Unit Masonry****04 21 Clay Unit Masonry**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

04 21 13 00-0008	SF	Double Utility Size Red Brick, Running Bond.....	16.57	
		Note: Double utility size brick, 3-5/8" x 7-5/8" x 11-5/8". (1.5 Bricks/SF)		
		For Buff Or Gray, Add	0.61	
		For Common Or American Bond, Add	0.52	
		For English Bond, Add	1.03	
		For Flemish Bond, Add	2.12	
		For Stacked Bond, Add	1.47	
		For <10, Small Area Replacements (Individual Areas), Add	19.56	
		For Curved Wall, Add	2.58	
		For Corbels, Add	9.69	
		For Severe Weather (SW) Brick, Add	0.55	
		For Glazed Brick, Add	12.78	
04 21 13 00-0009	SF	Norman Size Red Brick, Running Bond.....	25.06	
		Note: Norman size brick, 3-5/8" x 2-1/4" x 11-5/8". (4.5 Bricks/SF)		
		For Buff Or Gray, Add	1.09	
		For Common Or American Bond, Add	0.74	
		For English Bond, Add	1.48	
		For Flemish Bond, Add	3.10	
		For Stacked Bond, Add	2.18	
		For <10, Small Area Replacements (Individual Areas), Add	28.08	
		For Curved Wall, Add	3.70	
		For Corbels, Add	13.88	
		For Severe Weather (SW) Brick, Add	0.98	
		For Glazed Brick, Add	22.96	
04 21 13 00-0010	SF	Roman Size Red Brick, Running Bond.....	26.44	
		Note: Roman size brick, 3-5/8" x 1-5/8" x 11-5/8". (6.0 Bricks/SF)		
		For Buff Or Gray, Add	1.32	
		For Common Or American Bond, Add	0.74	
		For English Bond, Add	1.48	
		For Flemish Bond, Add	3.17	
		For Stacked Bond, Add	2.25	
		For <10, Small Area Replacements (Individual Areas), Add	28.15	
		For Curved Wall, Add	3.70	
		For Corbels, Add	13.88	
		For Severe Weather (SW) Brick, Add	1.19	
		For Glazed Brick, Add	27.79	
<b>04 21 13 00-0011</b>		<b>Fire Brick</b> <small>(04 21 13)</small>		
04 21 13 00-0012	SF	Running Bond, Red Fire Brick.....	27.82	
		For Buff Or Gray, Add	1.55	
		For Common Or American Bond, Add	0.74	
		For English Bond, Add	1.48	
		For Flemish Bond, Add	3.24	
		For Stacked Bond, Add	2.32	
		For <10, Small Area Replacements (Individual Areas), Add	28.22	
<b>04 21 13 00-0013</b>		<b>Window Sill</b> <small>(04 21 13)</small>		
04 21 13 00-0014	LF	Standard Size Red Brick, Window Sill.....	21.52	
		Note: Standard size brick, 3-5/8" x 2-1/4" x 8", placed on edge.		
		For Buff Or Gray, Add	0.23	
04 21 13 00-0015	LF	Engineer Standard Size Red Brick, Window Sill.....	21.68	
		Note: Engineer standard size brick, 3-5/8" x 2-3/4" x 8", placed on edge.		
		For Buff Or Gray, Add	0.25	
04 21 13 00-0016	LF	Modular Size Red Brick, Window Sill.....	21.52	
		Note: Modular size brick, 3-5/8" x 2-1/4" x 7-5/8", placed on edge.		
		For Buff Or Gray, Add	0.23	
04 21 13 00-0017	LF	Engineer Modular Size Red Brick, Window Sill.....	21.79	
		Note: Engineer modular size brick, 3-5/8" x 2-3/4" x 7-5/8", placed on edge.		
		For Buff Or Gray, Add	0.27	
04 21 13 00-0018	LF	Economy Size Red Brick, Window Sill.....	22.49	
		Note: Economy size brick, 3-5/8" x 3-5/8" x 7-5/8", placed on edge.		
		For Buff Or Gray, Add	0.39	
04 21 13 00-0019	LF	Utility Size Red Brick, Window Sill.....	22.63	
		Note: Utility size brick, 3-5/8" x 3-5/8" x 11-5/8", placed on edge.		
		For Buff Or Gray, Add	0.41	
04 21 13 00-0020	LF	Double Utility Size Red Brick, Window Sill.....	22.63	
		Note: Double utility size brick, 3-5/8" x 7-5/8" x 11-5/8", placed on edge.		
		For Buff Or Gray, Add	0.41	
04 21 13 00-0021	LF	Norman Size Red Brick, Window Sill.....	21.88	
		Note: Norman size brick, 3-5/8" x 2-1/4" x 11-5/8", placed on edge.		
		For Buff Or Gray, Add	0.29	
04 21 13 00-0022	LF	Roman Size Red Brick, Window Sill.....	21.95	
		Note: Roman size brick, 3-5/8" x 1-5/8" x 11-5/8", placed on edge.		
		For Buff Or Gray, Add	0.30	
<b>04 21 26</b>		<b>Glazed Structural Clay Tile Masonry</b> <small>(04 21)</small>		
		Note: Includes tile and mortar in all colors.		
<b>04 21 26 00-0001</b>		<b>6T Series Structural Glazed Clay Tile</b> <small>(04 21 26)</small>		
<b>04 21 26 00-0002</b>		<b>Glazed On One Side 6T Series Structural Glazed Clay Tile</b> <small>(04 21 26 00-0001)</small>		
04 21 26 00-0003	SF	2" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12".....	30.68	
		For Stacked Bond, Add	2.02	
04 21 26 00-0004	SF	4" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12".....	34.34	
		For Stacked Bond, Add	2.02	
04 21 26 00-0005	SF	6" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12".....	41.88	
		For Stacked Bond, Add	2.11	

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>04 21 26 00-0006</b>	<b>Special Shapes 6T Series Structural Glazed Clay Tile</b> <small>(04 21 26 00-0001)</small>		
04 21 26 00-0007	LF Bullnose, Jamb Or Sill Shapes 6T Series Structural Glazed Clay Tile.....	32.17	
	<i>For Stacked Bond, Add</i>	2.38	
04 21 26 00-0008	LF 2" Or 4" Cove Base 6T Series Structural Glazed Clay Tile.....	38.26	
	<i>For Stacked Bond, Add</i>	2.38	
04 21 26 00-0009	<b>8W Series Structural Glazed Clay Tile</b> <small>(04 21 26)</small>		
04 21 26 00-0010	<b>Glazed On One Side 8W Series Structural Glazed Clay Tile</b> <small>(04 21 26 00-0009)</small>		
04 21 26 00-0011	SF 2" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16".....	24.03	
	<i>For Stacked Bond, Add</i>	1.28	
04 21 26 00-0012	SF 4" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16".....	29.86	
	<i>For Stacked Bond, Add</i>	1.38	
04 21 26 00-0013	SF 6" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16".....	41.17	
	<i>For Stacked Bond, Add</i>	1.47	
04 21 26 00-0014	<b>Special Shapes 8W Series Structural Glazed Clay Tile</b> <small>(04 21 26 00-0009)</small>		
04 21 26 00-0015	LF Bullnose, Jamb Or Sill Shapes 8W Series Structural Glazed Clay Tile .....	32.85	
	<i>For Stacked Bond, Add</i>	1.65	
04 21 26 00-0016	LF 2" Or 4" Cove Base 8W Series Structural Glazed Clay Tile.....	32.80	
	<i>For Stacked Bond, Add</i>	1.65	
04 21 26 00-0017	<b>4W Series Structural Glazed Clay Tile</b> <small>(04 21 26)</small>		
04 21 26 00-0018	<b>Glazed On One Side 4W Series Structural Glazed Clay Tile</b> <small>(04 21 26 00-0017)</small>		
04 21 26 00-0019	SF 2" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8".....	32.05	
	<i>For Stacked Bond, Add</i>	2.02	
04 21 26 00-0020	SF 4" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8".....	33.88	
	<i>For Stacked Bond, Add</i>	2.02	
04 21 26 00-0021	SF 6" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8".....	42.10	
	<i>For Stacked Bond, Add</i>	2.11	
04 21 26 00-0022	<b>Special Shapes 4W Series Structural Glazed Clay Tile</b> <small>(04 21 26 00-0017)</small>		
04 21 26 00-0023	LF Bullnose, Jamb Or Sill Shapes 4W Series Structural Glazed Clay Tile .....	33.29	
	<i>For Stacked Bond, Add</i>	2.38	
04 21 26 00-0024	LF 2" Or 4" Cove Base 4W Series Structural Glazed Clay Tile.....	38.16	
	<i>For Stacked Bond, Add</i>	2.38	
04 21 26 00-0025	<b>6T Series Sound Absorbing Structural Glazed Tile</b> <small>(04 21 26)</small>		
04 21 26 00-0026	SF 4" Thick, 6T Sound Absorbing Structural Glazed Tile.....	33.16	
04 21 26 00-0027	SF 6" Thick, 6T Sound Absorbing Structural Glazed Tile.....	35.81	
04 21 26 00-0028	SF 8" Thick, 6T Sound Absorbing Structural Glazed Tile.....	41.80	
04 21 26 00-0029	<b>8T Series Sound Absorbing Structural Glazed Tile</b> <small>(04 21 26)</small>		
04 21 26 00-0030	SF 4" Thick, 8T Sound Absorbing Structural Glazed Tile.....	36.65	
04 21 26 00-0031	SF 6" Thick, 8T Sound Absorbing Structural Glazed Tile.....	41.34	
04 21 26 00-0032	SF 8" Thick, 8T Acoustical Glazed Tile .....	49.08	

## 04 22 Concrete Unit Masonry (04 20)

Note: Includes block and mortar. Excludes horizontal and vertical reinforcing. See CSI section 04 05 19 13-0000 for joint reinforcing.

### 04 22 23 Architectural Concrete Unit Masonry (04 22)

#### 04 22 23 13 Exposed Aggregate Concrete Unit Masonry (04 22 23)

04 22 23 13-0001	Concrete Blocks <small>(04 22 23 13)</small>		
04 22 23 13-0002	Lightweight Concrete Blocks <small>(04 22 23 13-0001)</small>		
04 22 23 13-0003	Cored, Lightweight, Concrete Blocks <small>(04 22 23 13-0002)</small>		
04 22 23 13-0004	SF 4" x 8" x 16", Cored, Lightweight, Concrete Block .....	10.80	
	<i>For Stacked Bond, Add</i>	2.54	
	<i>For Scored Block, Add</i>	0.21	
	<i>For Curved Wall Application, Add</i>	1.95	
	<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	14.70	
04 22 23 13-0005	SF 6" x 8" x 16", Cored, Lightweight, Concrete Block .....	11.88	
	<i>For Stacked Bond, Add</i>	2.74	
	<i>For Scored Block, Add</i>	0.27	
	<i>For Curved Wall Application, Add</i>	2.11	
	<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	15.92	
04 22 23 13-0006	SF 8" x 8" x 16", Cored, Lightweight, Concrete Block .....	12.83	
	<i>For Stacked Bond, Add</i>	2.95	
	<i>For Scored Block, Add</i>	0.30	
	<i>For Curved Wall Application, Add</i>	2.27	
	<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	17.11	

**04 Masonry****04 20 Unit Masonry****04 22 Concrete Unit Masonry**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
04 22 23 13-0007	SF 10" x 8" x 16", Cored, Lightweight, Concrete Block .....	13.85	
	For Stacked Bond, Add	3.08	
	For Scored Block, Add	0.40	
	For Curved Wall Application, Add	2.37	
	For <10, Small Area Replacements (Individual Areas), Add	17.93	
04 22 23 13-0008	SF 12" x 8" x 16", Cored, Lightweight, Concrete Block .....	16.58	
	For Stacked Bond, Add	3.75	
	For Scored Block, Add	0.43	
	For Curved Wall Application, Add	2.89	
	For <10, Small Area Replacements (Individual Areas), Add	21.81	
<b>04 22 23 13-0009</b>	<b>Solid, Lightweight, Concrete Blocks (04 22 23 13-0002)</b>		
04 22 23 13-0010	SF 4" x 8" x 16", Solid, Lightweight, Concrete Block .....	11.40	
	For Stacked Bond, Add	2.60	
	For Scored Block, Add	0.28	
	For Curved Wall Application, Add	2.00	
	For <10, Small Area Replacements (Individual Areas), Add	15.11	
04 22 23 13-0011	SF 6" x 8" x 16", Solid, Lightweight, Concrete Block .....	12.52	
	For Stacked Bond, Add	2.86	
	For Scored Block, Add	0.30	
	For Curved Wall Application, Add	2.20	
	For <10, Small Area Replacements (Individual Areas), Add	16.61	
04 22 23 13-0012	SF 8" x 8" x 16", Solid, Lightweight, Concrete Block .....	13.24	
	For Stacked Bond, Add	3.03	
	For Scored Block, Add	0.31	
	For Curved Wall Application, Add	2.33	
	For <10, Small Area Replacements (Individual Areas), Add	17.62	
04 22 23 13-0013	SF 10" x 8" x 16", Solid, Lightweight, Concrete Block .....	14.38	
	For Stacked Bond, Add	3.18	
	For Scored Block, Add	0.43	
	For Curved Wall Application, Add	2.44	
	For <10, Small Area Replacements (Individual Areas), Add	18.49	
04 22 23 13-0014	SF 12" x 8" x 16", Solid, Lightweight, Concrete Block .....	17.22	
	For Stacked Bond, Add	3.88	
	For Scored Block, Add	0.46	
	For Curved Wall Application, Add	2.98	
	For <10, Small Area Replacements (Individual Areas), Add	22.54	
<b>04 22 23 13-0015</b>	<b>Normal Weight Concrete Blocks (04 22 23 13-0001)</b>		
<b>04 22 23 13-0016</b>	<b>Cored, Normal Weight, Concrete Blocks (04 22 23 13-0015)</b>		
04 22 23 13-0017	SF 4" x 8" x 16", Cored, Normal Weight, Concrete Block .....	11.05	
	For Stacked Bond, Add	2.60	
	For Scored Block, Add	0.21	
	For Curved Wall Application, Add	2.00	
	For <10, Small Area Replacements (Individual Areas), Add	15.08	
04 22 23 13-0018	SF 6" x 8" x 16", Cored, Normal Weight, Concrete Block .....	12.20	
	For Stacked Bond, Add	2.86	
	For Scored Block, Add	0.24	
	For Curved Wall Application, Add	2.20	
	For <10, Small Area Replacements (Individual Areas), Add	16.59	
04 22 23 13-0019	SF 8" x 8" x 16", Cored, Normal Weight, Concrete Block .....	13.05	
	For Stacked Bond, Add	3.03	
	For Scored Block, Add	0.28	
	For Curved Wall Application, Add	2.33	
	For <10, Small Area Replacements (Individual Areas), Add	17.61	
04 22 23 13-0020	SF 10" x 8" x 16", Cored, Normal Weight, Concrete Block .....	14.88	
	For Stacked Bond, Add	3.18	
	For Scored Block, Add	0.53	
	For Curved Wall Application, Add	2.44	
	For <10, Small Area Replacements (Individual Areas), Add	18.53	
04 22 23 13-0021	SF 12" x 8" x 16", Cored, Normal Weight, Concrete Block .....	17.66	
	For Stacked Bond, Add	3.88	
	For Scored Block, Add	0.55	
	For Curved Wall Application, Add	2.98	
	For <10, Small Area Replacements (Individual Areas), Add	22.57	
<b>04 22 23 13-0022</b>	<b>Solid, Normal Weight, Concrete Blocks (04 22 23 13-0015)</b>		
04 22 23 13-0023	SF 4" x 8" x 16", Solid, Normal Weight, Concrete Block .....	11.60	
	For Stacked Bond, Add	2.67	
	For Scored Block, Add	0.27	
	For Curved Wall Application, Add	2.05	
	For <10, Small Area Replacements (Individual Areas), Add	15.50	
04 22 23 13-0024	SF 6" x 8" x 16", Solid, Normal Weight, Concrete Block .....	12.56	
	For Stacked Bond, Add	2.95	
	For Scored Block, Add	0.25	
	For Curved Wall Application, Add	2.27	
	For <10, Small Area Replacements (Individual Areas), Add	17.09	
04 22 23 13-0025	SF 8" x 8" x 16", Solid, Normal Weight, Concrete Block .....	13.46	
	For Stacked Bond, Add	3.13	
	For Scored Block, Add	0.29	
	For Curved Wall Application, Add	2.41	
	For <10, Small Area Replacements (Individual Areas), Add	18.15	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 22 23 13-0026	SF 10" x 8" x 16", Solid, Normal Weight, Concrete Block..... <i>For Stacked Bond, Add</i> <i>For Scored Block, Add</i> <i>For Curved Wall Application, Add</i> <i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	14.53 3.28 0.38 2.52 19.07
04 22 23 13-0027	SF 12" x 8" x 16", Solid, Normal Weight, Concrete Block..... <i>For Stacked Bond, Add</i> <i>For Scored Block, Add</i> <i>For Curved Wall Application, Add</i> <i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	17.43 4.01 0.40 3.09 23.30
<b>04 22 23 13-0028 Bond Beam Or Lintel Concrete Blocks (04 22 23 13)</b>		
<b>04 22 23 13-0029 Lightweight, Bond Beam Or Lintel Concrete Blocks (04 22 23 13-0028)</b> Note: Excludes concrete fill and reinforcing.		
04 22 23 13-0030	LF 6" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block..... <i>For Stacked Bond, Add</i> <i>For Grout And Fill With 2 #5 Rebar, Add</i> <i>For Scored Block, Add</i> <i>For Curved Wall Application, Add</i>	12.19 2.74 6.92 0.33 2.11
04 22 23 13-0031	LF 8" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block..... <i>For Stacked Bond, Add</i> <i>For Grout And Fill With 2 #5 Rebar, Add</i> <i>For Scored Block, Add</i> <i>For Curved Wall Application, Add</i>	13.31 2.95 7.65 0.40 2.27
04 22 23 13-0032	LF 12" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block..... <i>For Stacked Bond, Add</i> <i>For Grout And Fill With 2 #5 Rebar, Add</i> <i>For Scored Block, Add</i> <i>For Curved Wall Application, Add</i>	16.54 3.75 9.33 0.42 2.89
<b>04 22 23 13-0033 Normal Weight, Bond Beam Or Lintel Concrete Blocks (04 22 23 13-0028)</b> Note: Excludes concrete fill and reinforcing.		
04 22 23 13-0034	LF 6" x 8" x 16", Normal Weight, Bond Beam Or Lintel Concrete Block..... <i>For Stacked Bond, Add</i> <i>For Grout And Fill With 2 #5 Rebar, Add</i> <i>For Scored Block, Add</i> <i>For Curved Wall Application, Add</i>	12.41 2.86 6.91 0.28 2.20
04 22 23 13-0035	LF 8" x 8" x 16", Normal Weight, Bond Beam Or Lintel Concrete Block..... <i>For Stacked Bond, Add</i> <i>For Grout And Fill With 2 #5 Rebar, Add</i> <i>For Scored Block, Add</i> <i>For Curved Wall Application, Add</i>	13.42 3.03 7.59 0.35 2.33
04 22 23 13-0036	LF 12" x 8" x 16", Normal Weight, Bond Beam Or Lintel Concrete Block..... <i>For Stacked Bond, Add</i> <i>For Grout And Fill With 2 #5 Rebar, Add</i> <i>For Scored Block, Add</i> <i>For Curved Wall Application, Add</i>	16.79 3.88 9.34 0.38 2.98
<b>04 22 23 23 Prefaced Concrete Unit Masonry (04 22 23)</b>		
<b>04 22 23 23-0001 Ground Face Concrete Blocks (04 22 23 23)</b>		
04 22 23 23-0002	SF 4" x 8" x 16", Ground Face, Concrete Block..... <i>For Stacked Bond, Add</i> <i>For Scored Block, Add</i> <i>For Curved Wall Application, Add</i> <i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	13.90 3.18 0.34 2.44 18.46
04 22 23 23-0003	SF 6" x 8" x 16", Ground Face, Concrete Block..... <i>For Stacked Bond, Add</i> <i>For Scored Block, Add</i> <i>For Curved Wall Application, Add</i> <i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	15.67 3.58 0.38 2.75 20.77
04 22 23 23-0004	SF 8" x 8" x 16", Ground Face, Concrete Block..... <i>For Stacked Bond, Add</i> <i>For Scored Block, Add</i> <i>For Curved Wall Application, Add</i> <i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	16.79 3.78 0.45 2.91 21.96
04 22 23 23-0005	SF 10" x 8" x 16", Ground Face, Concrete Block..... <i>For Stacked Bond, Add</i> <i>For Scored Block, Add</i> <i>For Curved Wall Application, Add</i> <i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	17.90 4.00 0.50 3.08 23.29
04 22 23 23-0006	SF 12" x 8" x 16", Ground Face, Concrete Block..... <i>For Stacked Bond, Add</i> <i>For Scored Block, Add</i> <i>For Curved Wall Application, Add</i> <i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	21.37 4.85 0.55 3.73 28.16
<b>04 22 23 26 Sound-Absorbing Concrete Unit Masonry (04 22 23)</b>		
<b>04 22 23 26-0001 Slotted, Acoustical Concrete Block (04 22 23 26)</b>		
04 22 23 26-0002	SF 4" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block..... <i>For Stacked Bond, Add</i> <i>For Curved Wall Application, Add</i> <i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	16.86 3.18 2.44 18.68

**04 Masonry**  
**04 20 Unit Masonry**  
**04 22 Concrete Unit Masonry**

MINOR  
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TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

04 22 23 26-0003	SF 6" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block .....	18.72
	<i>For Stacked Bond, Add</i>	3.45
	<i>For Curved Wall Application, Add</i>	2.66
	<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	20.33
04 22 23 26-0004	SF 8" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block .....	21.24
	<i>For Stacked Bond, Add</i>	3.78
	<i>For Curved Wall Application, Add</i>	2.91
	<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	22.30

**04 22 23 29 Split-Face Concrete Unit Masonry (04 22 23)**

**04 22 23 29-0001 Split Face, Concrete Blocks (04 22 23 29)**

**04 22 23 29-0002 Plain Or Scored, Split Face, Concrete Blocks (04 22 23 29-0001)**

04 22 23 29-0003	SF 4" x 8" x 16", Plain Or Scored, Split Face, Concrete Block .....	14.10
	<i>For Stacked Bond, Add</i>	3.18
	<i>For Curved Wall Application, Add</i>	2.44
	<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	18.47
04 22 23 29-0004	SF 6" x 8" x 16", Plain Or Scored, Split Face, Concrete Block .....	15.90
	<i>For Stacked Bond, Add</i>	3.58
	<i>For Curved Wall Application, Add</i>	2.75
	<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	20.79
04 22 23 29-0005	SF 8" x 8" x 16", Plain Or Scored, Split Face, Concrete Block .....	17.06
	<i>For Stacked Bond, Add</i>	3.78
	<i>For Curved Wall Application, Add</i>	2.91
	<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	21.98
04 22 23 29-0006	SF 10" x 8" x 16", Plain Or Scored, Split Face, Concrete Block .....	18.21
	<i>For Stacked Bond, Add</i>	4.00
	<i>For Curved Wall Application, Add</i>	3.08
	<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	23.31
04 22 23 29-0007	SF 12" x 8" x 16", Plain Or Scored, Split Face, Concrete Block .....	21.35
	<i>For Stacked Bond, Add</i>	4.85
	<i>For Curved Wall Application, Add</i>	3.73
	<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	28.16

**04 22 23 29-0008 Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Blocks (04 22 23 29-0001)**

04 22 23 29-0009	SF 4" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block .....	14.57
	<i>For Stacked Bond, Add</i>	3.18
	<i>For Grout And Fill With 2 #5 Rebar, Add</i>	8.46
	<i>For Curved Wall Application, Add</i>	2.44
	<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	18.51
04 22 23 29-0010	SF 6" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block .....	16.44
	<i>For Stacked Bond, Add</i>	3.58
	<i>For Grout And Fill With 2 #5 Rebar, Add</i>	9.57
	<i>For Curved Wall Application, Add</i>	2.75
	<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	20.83
04 22 23 29-0011	SF 8" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block .....	17.69
	<i>For Stacked Bond, Add</i>	3.78
	<i>For Grout And Fill With 2 #5 Rebar, Add</i>	10.43
	<i>For Curved Wall Application, Add</i>	2.91
	<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	22.03
04 22 23 29-0012	SF 10" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block .....	18.92
	<i>For Stacked Bond, Add</i>	4.00
	<i>For Grout And Fill With 2 #5 Rebar, Add</i>	11.22
	<i>For Curved Wall Application, Add</i>	3.08
	<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	23.36
04 22 23 29-0013	SF 12" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block .....	22.03
	<i>For Stacked Bond, Add</i>	4.85
	<i>For Grout And Fill With 2 #5 Rebar, Add</i>	12.71
	<i>For Curved Wall Application, Add</i>	3.73
	<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	28.21

**04 22 23 29-0014 Split Rib, Concrete Block (04 22 23 29)**

**04 22 23 29-0015 Split Rib, Concrete Block (04 22 23 29-0014)**

04 22 23 29-0016	SF 4" x 8" x 16", Split Rib, Concrete Block .....	13.95
	<i>For Stacked Bond, Add</i>	3.18
	<i>For Curved Wall Application, Add</i>	2.44
	<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	18.46
04 22 23 29-0017	SF 6" x 8" x 16", Split Rib, Concrete Block .....	16.25
	<i>For Stacked Bond, Add</i>	3.58
	<i>For Curved Wall Application, Add</i>	2.75
	<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	20.81
04 22 23 29-0018	SF 8" x 8" x 16", Split Rib, Concrete Block .....	17.24
	<i>For Stacked Bond, Add</i>	3.78
	<i>For Curved Wall Application, Add</i>	2.91
	<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	22.00
04 22 23 29-0019	SF 10" x 8" x 16", Split Rib, Concrete Block .....	18.36
	<i>For Stacked Bond, Add</i>	4.00
	<i>For Curved Wall Application, Add</i>	3.08
	<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	23.32
04 22 23 29-0020	SF 12" x 8" x 16", Split Rib, Concrete Block .....	21.89
	<i>For Stacked Bond, Add</i>	4.85
	<i>For Curved Wall Application, Add</i>	3.73
	<i>For &lt;10, Small Area Replacements (Individual Areas), Add</i>	28.20

MINOR  
CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

**04 22 23 31 Glazed Concrete Masonry Unit** (04 22 23)

04 22 23 31-0001	One Glazed Face, Concrete Blocks <small>(04 22 23 31)</small>		
04 22 23 31-0002	One Glazed Face, Concrete Blocks <small>(04 22 23 31-0001)</small>		
04 22 23 31-0003	SF 4" x 8" x 16", One Glazed Face, Concrete Block .....	20.17	
	For Stacked Bond, Add	3.08	
	For Curved Wall Application, Add	2.37	
	For <10, Small Area Replacements (Individual Areas), Add	18.40	
04 22 23 31-0004	SF 6" x 8" x 16", One Glazed Face, Concrete Block .....	21.77	
	For Stacked Bond, Add	3.39	
	For Curved Wall Application, Add	2.61	
	For <10, Small Area Replacements (Individual Areas), Add	20.23	
04 22 23 31-0005	SF 8" x 8" x 16", One Glazed Face, Concrete Block .....	23.02	
	For Stacked Bond, Add	3.58	
	For Curved Wall Application, Add	2.75	
	For <10, Small Area Replacements (Individual Areas), Add	21.32	
04 22 23 31-0006	SF 10" x 8" x 16", One Glazed Face, Concrete Block .....	24.37	
	For Stacked Bond, Add	3.78	
	For Curved Wall Application, Add	2.91	
	For <10, Small Area Replacements (Individual Areas), Add	22.53	
04 22 23 31-0007	SF 12" x 8" x 16", One Glazed Face, Concrete Block .....	27.87	
	For Stacked Bond, Add	4.56	
	For Curved Wall Application, Add	3.51	
	For <10, Small Area Replacements (Individual Areas), Add	27.10	
04 22 23 31-0008	Two Glazed Faces, Concrete Blocks <small>(04 22 23 31)</small>		
04 22 23 31-0009	Two Glazed Faces, Concrete Blocks <small>(04 22 23 31-0008)</small>		
04 22 23 31-0010	SF 4" x 8" x 16", Two Glazed Faces, Concrete Block .....	25.87	
	For Stacked Bond, Add	3.51	
	For Curved Wall Application, Add	2.70	
	For <10, Small Area Replacements (Individual Areas), Add	21.19	
04 22 23 31-0011	SF 6" x 8" x 16", Two Glazed Faces, Concrete Block .....	27.30	
	For Stacked Bond, Add	3.78	
	For Curved Wall Application, Add	2.91	
	For <10, Small Area Replacements (Individual Areas), Add	22.75	
04 22 23 31-0012	SF 8" x 8" x 16", Two Glazed Faces, Concrete Block .....	29.36	
	For Stacked Bond, Add	4.17	
	For Curved Wall Application, Add	3.21	
	For <10, Small Area Replacements (Individual Areas), Add	25.06	

**04 23 Glass Unit Masonry** (04 20)
**04 23 13 Vertical Glass Unit Masonry** (04 23)

Note: Includes 1/4" mortar joints and caulking. Excludes joint reinforcement and anchors.

**04 23 13 00-0001 Glass Block Unit Masonry** (04 23 13)

04 23 13 00-0002	SF 6" x 6" x 4" Plain Glass Block.....		
	For Solar Reflective (Suntrol) Blocks, Add	12.48	
	For Essex (Horizontal Striated) Blocks, Add	7.13	
	For Sculptured Or Patterned Blocks, Add	12.48	
	For Colored Glass, Add	35.66	
	For Thinline Block, Deduct	-8.92	
	For >1,000 To 5,000, Deduct	-4.88	
	For >5,000, Deduct	-8.22	
04 23 13 00-0003	SF 8" x 8" x 4" Plain Glass Block.....	48.15	
	For Solar Reflective (Suntrol) Blocks, Add	8.83	
	For Essex (Horizontal Striated) Blocks, Add	5.05	
	For Sculptured Or Patterned Blocks, Add	8.83	
	For Colored Glass, Add	25.24	
	For Thinline Block, Deduct	-6.31	
	For >1,000 To 5,000, Deduct	-3.54	
	For >5,000, Deduct	-5.94	
04 23 13 00-0004	SF 12" x 12" x 4" Plain Glass Block.....	53.33	
	For Solar Reflective (Suntrol) Blocks, Add	11.29	
	For Essex (Horizontal Striated) Blocks, Add	6.45	
	For Sculptured Or Patterned Blocks, Add	11.29	
	For Colored Glass, Add	32.25	
	For Thinline Block, Deduct	-8.06	
	For >1,000 To 5,000, Deduct	-3.71	
	For >5,000, Deduct	-6.37	

**04 23 13 00-0005 Solid Glass Block (Vistabrik®)** (04 23 13)

04 23 13 00-0006	SF 3" x 8" x 3" Solid Glass Block (Vistabrik®).....		
		628.19	
04 23 13 00-0007	SF 4" x 8" x 3" Solid Glass Block (Vistabrik®).....		476.94
04 23 13 00-0008	SF 6" x 8" x 3" Solid Glass Block (Vistabrik®).....		327.49
04 23 13 00-0009	SF 8" x 8" x 3" Solid Glass Block (Vistabrik®).....		229.43

**04 40 Stone Assemblies** (04)

Note: Includes pointing and cleaning of new stone and mortar. All stone prices include material and mortar.

**04 41 Dry-Placed Stone** (04 40)

 04 41 00 00-0001 Ashlar Veneer, Random Size, Square Cut Rough Stone (04 41)

**04 Masonry**  
**04 40 Stone Assemblies**  
**04 41 Dry-Placed Stone**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

04 41 00 00-0002	SF	4" Thick Ashlar Veneer, Random Size, Square Cut Rough Stone .....	24.97	7.61
04 41 00 00-0003	SF	6" Thick Ashlar Veneer, Random Size, Square Cut Rough Stone .....	25.40	7.61

**04 42 Exterior Stone Cladding** (04 40)

**04 42 43 Stone Panels for Curtain Walls** (04 42)

**04 42 43 00-0001 Marble Facing Panels** (04 42 43)

Note: 3' x 1.5'

04 42 43 00-0002	SF	3/4" Thick Marble Facing Panels .....	64.42	16.37
04 42 43 00-0003	SF	7/8" Thick Marble Facing Panels .....	67.85	16.59
04 42 43 00-0004	SF	1-1/2" Thick Marble Facing Panels .....	77.89	16.90
04 42 43 00-0005	SF	2" Thick Marble Facing Panels .....	85.35	17.42
04 42 43 00-0006	SF	2-1/4" Thick Marble Facing Panels .....	90.93	18.49
04 42 43 00-0007	CF	Marble Face Panel.....	379.46	60.21

**04 42 43 00-0008 Smooth Limestone Panels** (04 42 43)

Note: Up to 12' x 5' panels.

04 42 43 00-0009	SF	1-1/2" Thick Smooth Limestone Panels .....	56.64	32.85
04 42 43 00-0010	SF	2" Thick Smooth Limestone Panels .....	60.07	34.43
04 42 43 00-0011	SF	3" Thick Smooth Limestone Panels .....	63.65	36.02
04 42 43 00-0012	SF	4" Thick Smooth Limestone Panels .....	73.66	39.61

**04 42 43 00-0013 Sandstone Panels** (04 42 43)

04 42 43 00-0014	SF	2-1/2" Thick Sandstone Panels.....	64.82	34.43
04 42 43 00-0015	SF	4" Thick Sandstone Panels.....	71.25	39.61
04 42 43 00-0016	SF	Split Face Sandstone Panels, Random Sizes.....	65.60	39.61

**04 43 Stone Masonry** (04 40)

**04 43 16 Stone Fabrications** (04 43)

**04 43 16 00-0001 Marble** (04 43 16)

**04 43 16 00-0002 Marble Base** (04 43 16 00-0001)

Note: 1" thick.

04 43 16 00-0003	LF	4" High Marble Base .....	102.25	66.14
04 43 16 00-0004	LF	6" High Marble Base .....	115.49	72.05

**04 43 16 00-0005 Marble Columns** (04 43 16 00-0001)

04 43 16 00-0006	CF	Plain Faced Solid Marble Columns .....	265.82	60.21
04 43 16 00-0007	CF	Fluted, Carved Solid Marble Columns .....	432.78	60.21

**04 43 16 00-0008 Marble Flooring** (04 43 16 00-0001)

04 43 16 00-0009	SF	3/8" Uniform Color Marble Flooring.....	28.10	15.14
04 43 16 00-0010	SF	1/2" Uniform Color Marble Flooring.....	29.95	15.14
04 43 16 00-0011	SF	1/2" Travertine Marble Flooring.....	35.77	17.29

**04 43 16 00-0012 Marble Items** (04 43 16 00-0001)

04 43 16 00-0013	LF	12" Wide Marble Stair Treads .....	72.03	24.02
04 43 16 00-0014	LF	6" Wide Marble Stair Risers .....	55.02	19.25
04 43 16 00-0015	LF	6" Wide x 2" Thick Marble Window Sills.....	33.32	14.16
04 43 16 00-0016	LF	5" Wide x 7/8" Thick Marble Window Stool, Polished .....	63.03	17.38
04 43 16 00-0017	SF	7/8" Thick, Non Skid, Marble Patio Blocks .....	37.81	21.95

**04 43 16 00-0018 Limestone** (04 43 16)

**04 43 16 00-0019 Ashlar Veneer Limestone** (04 43 16 00-0018)

04 43 16 00-0020	SF	4" Ashlar Veneer Limestone, Random Sizes .....	57.42	24.02
04 43 16 00-0021	SF	6" To 8" Thick, Pitched Face Ashlar Veneer Limestone, Random Sizes .....	87.03	33.00

**04 43 16 00-0022 Limestone Items** (04 43 16 00-0018)

04 43 16 00-0023	CF	Sawn Edge Limestone Block, Sill, Lintel, Jamb And Other Trim.....	175.00	80.65
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**04 43 16 00-0024 Limestone Coping** (04 43 16 00-0018)

Note: Measured from the highest point. Includes drilling into existing materials, caulk and ties.

04 43 16 00-0025	SF	2-1/2" Thick Limestone Coping.....	27.80	8.45
04 43 16 00-0026	SF	3" Thick Limestone Coping .....	31.03	8.98
04 43 16 00-0027	SF	3-1/2" Thick Limestone Coping .....	34.28	9.50
04 43 16 00-0028	SF	4" Thick Limestone Coping .....	36.46	9.82
04 43 16 00-0029	SF	5" Thick Limestone Coping .....	41.87	10.03
04 43 16 00-0030	SF	6" Thick Limestone Coping .....	60.12	10.56
04 43 16 00-0031	CF	>6" Thick Limestone Coping .....	98.97	21.51



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>04 43 16 00-0032</b>			<b>Limestone Stair Treads</b> (04 43 16 00-0018)		
04 43 16 00-0033	SF		2" Thick Limestone Treads .....	33.62	7.92
04 43 16 00-0034	SF		2-1/2" Thick Limestone Treads .....	35.71	8.45
04 43 16 00-0035	SF		3" Thick Limestone Treads .....	39.90	8.98
04 43 16 00-0036	SF		3-1/2" Thick Limestone Treads .....	43.02	9.50
04 43 16 00-0037	SF		4" Thick Limestone Treads .....	46.15	9.50
04 43 16 00-0038	SF		5" Thick Limestone Treads .....	50.29	10.03
04 43 16 00-0039	SF		6" Thick Limestone Tread, Smooth Finish .....	68.73	10.56

<b>04 43 16 00-0040</b>			<b>Granite</b> (04 43 16)		
<b>04 43 16 00-0041</b>			<b>Polished Granite Veneer Facing Panels</b> (04 43 16 00-0040)		
			Note: Excludes structural support steel.		
04 43 16 00-0042	SF		7/8" Thick Black Polished Granite Veneer Facing Panels.....	92.08	33.07
04 43 16 00-0043	SF		7/8" Thick Gray Polished Granite Veneer Facing Panels.....	84.48	33.07

<b>04 43 16 00-0044</b>			<b>Granite Stair Treads</b> (04 43 16 00-0040)		
04 43 16 00-0045	SF		2" Thick Granite Stair Tread .....	53.64	7.92

<b>04 43 16 00-0046</b>			<b>Slate</b> (04 43 16)		
<b>04 43 16 00-0047</b>			<b>Slate Panels Or Sills</b> (04 43 16 00-0046)		
04 43 16 00-0048	SF		1" Thick Slate Panels.....	58.39	33.07
04 43 16 00-0049	SF		2" Thick Slate Panels.....	67.69	33.07

<b>04 43 16 00-0050</b>			<b>Slate Sills Or Stools</b> (04 43 16 00-0046)		
04 43 16 00-0051	LF		6" Wide, 1" Thick Slate Sills Or Stools With Sand Finish.....	26.60	14.25
04 43 16 00-0052	LF		10" Wide, 1" Thick Slate Sills Or Stools With Sand Finish.....	32.51	14.25
04 43 16 00-0053	LF		6" Wide, 2" Thick Slate Sills Or Stools With Sand Finish.....	31.67	14.25
04 43 16 00-0054	LF		10" Wide, 2" Thick Slate Sills Or Stools With Sand Finish.....	44.35	14.25

<b>04 43 16 00-0055</b>			<b>Slate Stair Treads</b> (04 43 16 00-0046)		
04 43 16 00-0056	SF		2" Thick Slate Stair Tread .....	39.37	7.92

**04 70 Manufactured Masonry** (04)

**04 72 Cast Stone Masonry** (04 70)

<b>04 72 00 00-0001</b>			<b>Precast Concrete Lintels</b> (04 72)		
<b>04 72 00 00-0002</b>			<b>Solid Precast Concrete Lintels</b> (04 72 00 00-0001)		
04 72 00 00-0003	LF		4" x 8", Solid Precast Concrete Lintel .....	15.59	
04 72 00 00-0004	LF		6" x 8", Solid Precast Concrete Lintel .....	19.68	
04 72 00 00-0005	LF		8" x 8", Solid Precast Concrete Lintel .....	24.17	

<b>04 72 00 00-0006</b>			<b>U Shaped Precast Concrete Lintels</b> (04 72 00 00-0001)		
			Note: Excludes concrete fill and field added reinforcing. See CSI section 04 05 16 26-0001 for concrete fill.		
04 72 00 00-0007	LF		6" x 8", U Shaped Precast Concrete Lintel .....	16.71	
04 72 00 00-0008	LF		8" x 8", U Shaped Precast Concrete Lintel .....	20.14	
04 72 00 00-0009	LF		12" x 8", U Shaped Precast Concrete Lintel .....	32.56	

<b>04 72 00 00-0010</b>			<b>Precast Concrete Coping</b> (04 72)		
			Note: Includes caulk and ties. Excludes drilling into existing materials or other anchoring bolts. See CSI section 04 43 00 00-0000 for stone coping, 07 62 00 00-0000 for metal copings.		

<b>04 72 00 00-0011</b>			<b>Precast Concrete Coping</b> (04 72 00 00-0010)		
			Note: Measured at highest point.		
04 72 00 00-0012	SF		2" Thick Precast Concrete Coping.....	39.28	11.66
04 72 00 00-0013	SF		2-1/2" Thick Precast Concrete Coping.....	42.63	12.55
04 72 00 00-0014	SF		3" Thick Precast Concrete Coping.....	48.39	13.44
04 72 00 00-0015	SF		3-1/2" Thick Precast Concrete Coping.....	50.99	14.34
04 72 00 00-0016	SF		4" Thick Precast Concrete Coping.....	53.61	15.23
04 72 00 00-0017	SF		5" Thick Precast Concrete Coping.....	62.04	16.13
04 72 00 00-0018	SF		6" Thick Precast Concrete Coping.....	69.08	17.03

<b>04 72 00 00-0019</b>			<b>Precast Concrete Window Sills</b> (04 72)		
			Note: Includes caulk and ties.		

<b>04 72 00 00-0020</b>			<b>Precast Concrete Window Sills</b> (04 72 00 00-0019)		
04 72 00 00-0021	LF		6" Wide Precast Concrete Window Sill .....	27.92	8.96
04 72 00 00-0022	LF		10" Wide Precast Concrete Window Sill .....	38.04	8.96
04 72 00 00-0023	LF		14" Wide Precast Concrete Window Sill .....	43.26	8.96

04	<b>04</b>	<b>Masonry</b>
	04 70	Manufactured Masonry
	04 72	Cast Stone Masonry



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

**END OF SECTION 04**

MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI		UNIT COST	UNIT COST

## 05 Metals

### 05 05 Common Work Results for Metals <sup>(05)</sup>

#### 05 05 19 Post-Installed Concrete Anchors <sup>(05 05)</sup>

See CSI section 03 15 19 00-0000 for cast-in concrete anchors.

#### 05 05 19 00-0001 Concrete And Masonry Anchors <sup>(05 05 19)</sup>

#### 05 05 19 00-0002 Expansion Anchors <sup>(05 05 19 00-0001)</sup>

Note: Includes drilling.

#### 05 05 19 00-0003 Wedge Expansion Bolt Anchors <sup>(05 05 19 00-0002)</sup>

#### 05 05 19 00-0004 Zinc Plated Steel, Wedge Anchor Expansion Bolt <sup>(05 05 19 00-0003)</sup>

Note: Includes nut and washer.

05 05 19 00-0005	EA 1/4" Diameter x 1-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	11.54	
	For >10 To 50, Deduct	-0.55	
	For >50 To 100, Deduct	-1.11	
	For >100, Deduct	-2.22	
05 05 19 00-0006	EA 1/4" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	11.63	
	For >10 To 50, Deduct	-0.55	
	For >50 To 100, Deduct	-1.11	
	For >100, Deduct	-2.23	
05 05 19 00-0007	EA 1/4" Diameter x 3-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	11.98	
	For >10 To 50, Deduct	-0.56	
	For >50 To 100, Deduct	-1.14	
	For >100, Deduct	-2.29	
05 05 19 00-0008	EA 3/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	14.14	
	For >10 To 50, Deduct	-0.67	
	For >50 To 100, Deduct	-1.35	
	For >100, Deduct	-2.71	
05 05 19 00-0009	EA 3/8" Diameter x 2-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	14.20	
	For >10 To 50, Deduct	-0.67	
	For >50 To 100, Deduct	-1.35	
	For >100, Deduct	-2.71	
05 05 19 00-0010	EA 3/8" Diameter x 3" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	14.23	
	For >10 To 50, Deduct	-0.67	
	For >50 To 100, Deduct	-1.35	
	For >100, Deduct	-2.71	
05 05 19 00-0011	EA 3/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	14.49	
	For >10 To 50, Deduct	-0.67	
	For >50 To 100, Deduct	-1.36	
	For >100, Deduct	-2.72	
05 05 19 00-0012	EA 1/2" Diameter x 2-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	20.43	
	For >10 To 50, Deduct	-0.95	
	For >50 To 100, Deduct	-1.93	
	For >100, Deduct	-3.86	
05 05 19 00-0013	EA 1/2" Diameter x 3-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	20.48	
	For >10 To 50, Deduct	-0.95	
	For >50 To 100, Deduct	-1.93	
	For >100, Deduct	-3.87	
05 05 19 00-0014	EA 1/2" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	20.59	
	For >10 To 50, Deduct	-0.95	
	For >50 To 100, Deduct	-1.94	
	For >100, Deduct	-3.87	
05 05 19 00-0015	EA 1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	20.89	
	For >10 To 50, Deduct	-0.95	
	For >50 To 100, Deduct	-1.94	
	For >100, Deduct	-3.89	
05 05 19 00-0016	EA 1/2" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	21.29	
	For >10 To 50, Deduct	-0.95	
	For >50 To 100, Deduct	-1.95	
	For >100, Deduct	-3.91	
05 05 19 00-0017	EA 5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	26.36	
	For >10 To 50, Deduct	-1.17	
	For >50 To 100, Deduct	-2.41	
	For >100, Deduct	-4.83	
05 05 19 00-0018	EA 5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	26.45	
	For >10 To 50, Deduct	-1.17	
	For >50 To 100, Deduct	-2.41	
	For >100, Deduct	-4.83	
05 05 19 00-0019	EA 5/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	26.63	
	For >10 To 50, Deduct	-1.17	
	For >50 To 100, Deduct	-2.42	
	For >100, Deduct	-4.84	
05 05 19 00-0020	EA 5/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	26.99	
	For >10 To 50, Deduct	-1.17	
	For >50 To 100, Deduct	-2.43	
	For >100, Deduct	-4.86	
05 05 19 00-0021	EA 5/8" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	27.35	
	For >10 To 50, Deduct	-1.17	
	For >50 To 100, Deduct	-2.44	
	For >100, Deduct	-4.87	
05 05 19 00-0022	EA 5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	30.19	
	For >10 To 50, Deduct	-1.17	
	For >50 To 100, Deduct	-2.51	
	For >100, Deduct	-5.02	

**05 Metals****05 05 Common Work Results for Metals****05 05 19 Post-Installed Concrete Anchors**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

05 05 19 00-0023	EA	5/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	32.63	
		<i>For &gt;10 To 50, Deduct</i>	-1.17	
		<i>For &gt;50 To 100, Deduct</i>	-2.57	
		<i>For &gt;100, Deduct</i>	-5.14	
05 05 19 00-0024	EA	3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	31.77	
		<i>For &gt;10 To 50, Deduct</i>	-1.39	
		<i>For &gt;50 To 100, Deduct</i>	-2.88	
		<i>For &gt;100, Deduct</i>	-5.76	
05 05 19 00-0025	EA	3/4" Diameter x 4-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	31.84	
		<i>For &gt;10 To 50, Deduct</i>	-1.39	
		<i>For &gt;50 To 100, Deduct</i>	-2.88	
		<i>For &gt;100, Deduct</i>	-5.77	
05 05 19 00-0026	EA	3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	32.28	
		<i>For &gt;10 To 50, Deduct</i>	-1.39	
		<i>For &gt;50 To 100, Deduct</i>	-2.89	
		<i>For &gt;100, Deduct</i>	-5.79	
05 05 19 00-0027	EA	3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	32.80	
		<i>For &gt;10 To 50, Deduct</i>	-1.39	
		<i>For &gt;50 To 100, Deduct</i>	-2.91	
		<i>For &gt;100, Deduct</i>	-5.81	
05 05 19 00-0028	EA	3/4" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	33.40	
		<i>For &gt;10 To 50, Deduct</i>	-1.39	
		<i>For &gt;50 To 100, Deduct</i>	-2.92	
		<i>For &gt;100, Deduct</i>	-5.84	
05 05 19 00-0029	EA	3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	35.67	
		<i>For &gt;10 To 50, Deduct</i>	-1.39	
		<i>For &gt;50 To 100, Deduct</i>	-2.98	
		<i>For &gt;100, Deduct</i>	-5.96	
05 05 19 00-0030	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	38.70	
		<i>For &gt;10 To 50, Deduct</i>	-1.39	
		<i>For &gt;50 To 100, Deduct</i>	-3.05	
		<i>For &gt;100, Deduct</i>	-6.11	
05 05 19 00-0031	EA	3/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	42.11	
		<i>For &gt;10 To 50, Deduct</i>	-1.39	
		<i>For &gt;50 To 100, Deduct</i>	-3.14	
		<i>For &gt;100, Deduct</i>	-6.28	
05 05 19 00-0032	EA	7/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	41.46	
		<i>For &gt;10 To 50, Deduct</i>	-1.51	
		<i>For &gt;50 To 100, Deduct</i>	-3.30	
		<i>For &gt;100, Deduct</i>	-6.60	
05 05 19 00-0033	EA	7/8" Diameter x 8" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	43.25	
		<i>For &gt;10 To 50, Deduct</i>	-1.51	
		<i>For &gt;50 To 100, Deduct</i>	-3.35	
		<i>For &gt;100, Deduct</i>	-6.69	
05 05 19 00-0034	EA	7/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	45.64	
		<i>For &gt;10 To 50, Deduct</i>	-1.51	
		<i>For &gt;50 To 100, Deduct</i>	-3.41	
		<i>For &gt;100, Deduct</i>	-6.81	
05 05 19 00-0035	EA	1" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	51.60	
		<i>For &gt;10 To 50, Deduct</i>	-1.95	
		<i>For &gt;50 To 100, Deduct</i>	-4.22	
		<i>For &gt;100, Deduct</i>	-8.44	
05 05 19 00-0036	EA	1" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	54.98	
		<i>For &gt;10 To 50, Deduct</i>	-1.95	
		<i>For &gt;50 To 100, Deduct</i>	-4.31	
		<i>For &gt;100, Deduct</i>	-8.61	
05 05 19 00-0037	EA	1" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	58.34	
		<i>For &gt;10 To 50, Deduct</i>	-1.95	
		<i>For &gt;50 To 100, Deduct</i>	-4.39	
		<i>For &gt;100, Deduct</i>	-8.78	
05 05 19 00-0038	EA	1-1/4" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	67.08	
		<i>For &gt;10 To 50, Deduct</i>	-2.50	
		<i>For &gt;50 To 100, Deduct</i>	-5.43	
		<i>For &gt;100, Deduct</i>	-10.86	
05 05 19 00-0039	EA	1-1/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	69.49	
		<i>For &gt;10 To 50, Deduct</i>	-2.50	
		<i>For &gt;50 To 100, Deduct</i>	-5.49	
		<i>For &gt;100, Deduct</i>	-10.98	
05 05 19 00-0040		<b>304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt</b> <small>(05 05 19 00-0003)</small>		
		Note: Includes nut and washer.		
05 05 19 00-0041	EA	1/4" Diameter x 1-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	12.89	
		<i>For &gt;10 To 50, Deduct</i>	-0.55	
		<i>For &gt;50 To 100, Deduct</i>	-1.14	
		<i>For &gt;100, Deduct</i>	-2.29	
05 05 19 00-0042	EA	1/4" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	13.34	
		<i>For &gt;10 To 50, Deduct</i>	-0.55	
		<i>For &gt;50 To 100, Deduct</i>	-1.16	
		<i>For &gt;100, Deduct</i>	-2.31	
05 05 19 00-0043	EA	1/4" Diameter x 3-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	13.91	
		<i>For &gt;10 To 50, Deduct</i>	-0.56	
		<i>For &gt;50 To 100, Deduct</i>	-1.19	
		<i>For &gt;100, Deduct</i>	-2.38	
05 05 19 00-0044	EA	3/8" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	16.57	
		<i>For &gt;10 To 50, Deduct</i>	-0.67	
		<i>For &gt;50 To 100, Deduct</i>	-1.41	
		<i>For &gt;100, Deduct</i>	-2.83	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0045	EA			3/8" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	16.95	
				For >10 To 50, Deduct	-0.67	
				For >50 To 100, Deduct	-1.42	
				For >100, Deduct	-2.85	
05 05 19 00-0046	EA			3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	17.23	
				For >10 To 50, Deduct	-0.67	
				For >50 To 100, Deduct	-1.43	
				For >100, Deduct	-2.86	
05 05 19 00-0047	EA			3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	19.34	
				For >10 To 50, Deduct	-0.67	
				For >50 To 100, Deduct	-1.48	
				For >100, Deduct	-2.97	
05 05 19 00-0048	EA			1/2" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	25.76	
				For >10 To 50, Deduct	-0.95	
				For >50 To 100, Deduct	-2.07	
				For >100, Deduct	-4.13	
05 05 19 00-0049	EA			1/2" Diameter x 3-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	26.48	
				For >10 To 50, Deduct	-0.95	
				For >50 To 100, Deduct	-2.08	
				For >100, Deduct	-4.17	
05 05 19 00-0050	EA			1/2" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	26.90	
				For >10 To 50, Deduct	-0.95	
				For >50 To 100, Deduct	-2.09	
				For >100, Deduct	-4.19	
05 05 19 00-0051	EA			1/2" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	28.82	
				For >10 To 50, Deduct	-0.95	
				For >50 To 100, Deduct	-2.14	
				For >100, Deduct	-4.28	
05 05 19 00-0052	EA			1/2" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	31.69	
				For >10 To 50, Deduct	-0.95	
				For >50 To 100, Deduct	-2.21	
				For >100, Deduct	-4.43	
05 05 19 00-0053	EA			5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	37.18	
				For >10 To 50, Deduct	-1.17	
				For >50 To 100, Deduct	-2.68	
				For >100, Deduct	-5.37	
05 05 19 00-0054	EA			5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	39.05	
				For >10 To 50, Deduct	-1.17	
				For >50 To 100, Deduct	-2.73	
				For >100, Deduct	-5.46	
05 05 19 00-0055	EA			5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	41.07	
				For >10 To 50, Deduct	-1.17	
				For >50 To 100, Deduct	-2.78	
				For >100, Deduct	-5.56	
05 05 19 00-0056	EA			5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	43.76	
				For >10 To 50, Deduct	-1.17	
				For >50 To 100, Deduct	-2.85	
				For >100, Deduct	-5.70	
05 05 19 00-0057	EA			5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	55.58	
				For >10 To 50, Deduct	-1.17	
				For >50 To 100, Deduct	-3.14	
				For >100, Deduct	-6.29	
05 05 19 00-0058	EA			3/4" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	44.39	
				For >10 To 50, Deduct	-1.39	
				For >50 To 100, Deduct	-3.20	
				For >100, Deduct	-6.39	
05 05 19 00-0059	EA			3/4" Diameter x 4-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	48.20	
				For >10 To 50, Deduct	-1.39	
				For >50 To 100, Deduct	-3.29	
				For >100, Deduct	-6.58	
05 05 19 00-0060	EA			3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	51.45	
				For >10 To 50, Deduct	-1.39	
				For >50 To 100, Deduct	-3.37	
				For >100, Deduct	-6.75	
05 05 19 00-0061	EA			3/4" Diameter x 6-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	51.85	
				For >10 To 50, Deduct	-1.39	
				For >50 To 100, Deduct	-3.38	
				For >100, Deduct	-6.77	
05 05 19 00-0062	EA			3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	54.90	
				For >10 To 50, Deduct	-1.39	
				For >50 To 100, Deduct	-3.46	
				For >100, Deduct	-6.92	
05 05 19 00-0063	EA			3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	62.82	
				For >10 To 50, Deduct	-1.39	
				For >50 To 100, Deduct	-3.66	
				For >100, Deduct	-7.32	
05 05 19 00-0064	EA			3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	73.98	
				For >10 To 50, Deduct	-1.39	
				For >50 To 100, Deduct	-3.94	
				For >100, Deduct	-7.87	
05 05 19 00-0065	EA			7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	74.28	
				For >10 To 50, Deduct	-1.51	
				For >50 To 100, Deduct	-4.12	
				For >100, Deduct	-8.24	
05 05 19 00-0066	EA			1" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	108.22	
				For >10 To 50, Deduct	-1.95	
				For >50 To 100, Deduct	-5.64	
				For >100, Deduct	-11.27	

**05 Metals****05 05 Common Work Results for Metals****05 05 19 Post-Installed Concrete Anchors**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

05 05 19 00-0067	EA	1" Diameter x 9" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	124.73	
		<i>For &gt;10 To 50, Deduct</i>	-1.95	
		<i>For &gt;50 To 100, Deduct</i>	-6.05	
		<i>For &gt;100, Deduct</i>	-12.10	
<b>05 05 19 00-0068</b>		<b>316 Stainless Steel, Wedge Anchor Expansion Bolt</b> <small>(05 05 19 00-0003)</small>		
		Note: Includes nut and washer.		
05 05 19 00-0069	EA	1/4" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	13.28	
		<i>For &gt;10 To 50, Deduct</i>	-0.55	
		<i>For &gt;50 To 100, Deduct</i>	-1.15	
		<i>For &gt;100, Deduct</i>	-2.31	
05 05 19 00-0070	EA	1/4" Diameter x 3-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	14.08	
		<i>For &gt;10 To 50, Deduct</i>	-0.56	
		<i>For &gt;50 To 100, Deduct</i>	-1.20	
		<i>For &gt;100, Deduct</i>	-2.39	
05 05 19 00-0071	EA	3/8" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	17.82	
		<i>For &gt;10 To 50, Deduct</i>	-0.67	
		<i>For &gt;50 To 100, Deduct</i>	-1.44	
		<i>For &gt;100, Deduct</i>	-2.89	
05 05 19 00-0072	EA	3/8" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	18.49	
		<i>For &gt;10 To 50, Deduct</i>	-0.67	
		<i>For &gt;50 To 100, Deduct</i>	-1.46	
		<i>For &gt;100, Deduct</i>	-2.92	
05 05 19 00-0073	EA	3/8" Diameter x 3" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	18.66	
		<i>For &gt;10 To 50, Deduct</i>	-0.67	
		<i>For &gt;50 To 100, Deduct</i>	-1.47	
		<i>For &gt;100, Deduct</i>	-2.93	
05 05 19 00-0074	EA	3/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	21.83	
		<i>For &gt;10 To 50, Deduct</i>	-0.67	
		<i>For &gt;50 To 100, Deduct</i>	-1.54	
		<i>For &gt;100, Deduct</i>	-3.09	
05 05 19 00-0075	EA	1/2" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	28.79	
		<i>For &gt;10 To 50, Deduct</i>	-0.95	
		<i>For &gt;50 To 100, Deduct</i>	-2.14	
		<i>For &gt;100, Deduct</i>	-4.28	
05 05 19 00-0076	EA	1/2" Diameter x 3-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	30.63	
		<i>For &gt;10 To 50, Deduct</i>	-0.95	
		<i>For &gt;50 To 100, Deduct</i>	-2.19	
		<i>For &gt;100, Deduct</i>	-4.37	
05 05 19 00-0077	EA	1/2" Diameter x 4-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	33.97	
		<i>For &gt;10 To 50, Deduct</i>	-0.95	
		<i>For &gt;50 To 100, Deduct</i>	-2.27	
		<i>For &gt;100, Deduct</i>	-4.54	
05 05 19 00-0078	EA	1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	34.80	
		<i>For &gt;10 To 50, Deduct</i>	-0.95	
		<i>For &gt;50 To 100, Deduct</i>	-2.29	
		<i>For &gt;100, Deduct</i>	-4.58	
05 05 19 00-0079	EA	5/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	47.41	
		<i>For &gt;10 To 50, Deduct</i>	-1.17	
		<i>For &gt;50 To 100, Deduct</i>	-2.94	
		<i>For &gt;100, Deduct</i>	-5.88	
05 05 19 00-0080	EA	5/8" Diameter x 7" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	48.42	
		<i>For &gt;10 To 50, Deduct</i>	-1.17	
		<i>For &gt;50 To 100, Deduct</i>	-2.96	
		<i>For &gt;100, Deduct</i>	-5.93	
05 05 19 00-0081	EA	3/4" Diameter x 4-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	58.72	
		<i>For &gt;10 To 50, Deduct</i>	-1.39	
		<i>For &gt;50 To 100, Deduct</i>	-3.56	
		<i>For &gt;100, Deduct</i>	-7.11	
05 05 19 00-0082	EA	3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	62.89	
		<i>For &gt;10 To 50, Deduct</i>	-1.39	
		<i>For &gt;50 To 100, Deduct</i>	-3.66	
		<i>For &gt;100, Deduct</i>	-7.32	
<b>05 05 19 00-0083</b>		<b>Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt</b> <small>(05 05 19 00-0003)</small>		
		Note: Includes nut and washer.		
05 05 19 00-0084	EA	1/2" Diameter x 2-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	24.30	
		<i>For &gt;10 To 50, Deduct</i>	-0.95	
		<i>For &gt;50 To 100, Deduct</i>	-2.03	
		<i>For &gt;100, Deduct</i>	-4.06	
05 05 19 00-0085	EA	1/2" Diameter x 4-1/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	25.71	
		<i>For &gt;10 To 50, Deduct</i>	-0.95	
		<i>For &gt;50 To 100, Deduct</i>	-2.06	
		<i>For &gt;100, Deduct</i>	-4.13	
05 05 19 00-0086	EA	1/2" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	27.12	
		<i>For &gt;10 To 50, Deduct</i>	-0.95	
		<i>For &gt;50 To 100, Deduct</i>	-2.10	
		<i>For &gt;100, Deduct</i>	-4.20	
05 05 19 00-0087	EA	1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	27.83	
		<i>For &gt;10 To 50, Deduct</i>	-0.95	
		<i>For &gt;50 To 100, Deduct</i>	-2.12	
		<i>For &gt;100, Deduct</i>	-4.23	
05 05 19 00-0088	EA	5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	33.53	
		<i>For &gt;10 To 50, Deduct</i>	-1.17	
		<i>For &gt;50 To 100, Deduct</i>	-2.59	
		<i>For &gt;100, Deduct</i>	-5.18	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0089	EA			5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	31.84	
				<i>For &gt;10 To 50, Deduct</i>	-1.17	
				<i>For &gt;50 To 100, Deduct</i>	-2.55	
				<i>For &gt;100, Deduct</i>	-5.10	
05 05 19 00-0090	EA			3/4" Diameter x 4-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	43.63	
				<i>For &gt;10 To 50, Deduct</i>	-1.39	
				<i>For &gt;50 To 100, Deduct</i>	-3.18	
				<i>For &gt;100, Deduct</i>	-6.36	
05 05 19 00-0091	EA			3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	45.18	
				<i>For &gt;10 To 50, Deduct</i>	-1.39	
				<i>For &gt;50 To 100, Deduct</i>	-3.22	
				<i>For &gt;100, Deduct</i>	-6.43	
05 05 19 00-0092	EA			3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	52.80	
				<i>For &gt;10 To 50, Deduct</i>	-1.39	
				<i>For &gt;50 To 100, Deduct</i>	-3.41	
				<i>For &gt;100, Deduct</i>	-6.81	
05 05 19 00-0093	EA			1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	55.33	
				<i>For &gt;10 To 50, Deduct</i>	-1.95	
				<i>For &gt;50 To 100, Deduct</i>	-4.31	
				<i>For &gt;100, Deduct</i>	-8.63	
05 05 19 00-0094	EA			1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	59.72	
				<i>For &gt;10 To 50, Deduct</i>	-1.95	
				<i>For &gt;50 To 100, Deduct</i>	-4.42	
				<i>For &gt;100, Deduct</i>	-8.85	
05 05 19 00-0095	EA			1" Diameter x 12" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	64.07	
				<i>For &gt;10 To 50, Deduct</i>	-1.95	
				<i>For &gt;50 To 100, Deduct</i>	-4.53	
				<i>For &gt;100, Deduct</i>	-9.07	
<b>05 05 19 00-0096</b>				<b>Concrete Sleeve Anchors</b> <small>(05 05 19 00-0002)</small>		
<b>05 05 19 00-0097</b>				<b>Zinc Plated Steel, Concrete Sleeve Anchors</b> <small>(05 05 19 00-0096)</small>		
				Note: Includes nut and washer.		
05 05 19 00-0098	EA			1/4" Diameter x 5/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	11.62	
				<i>For &gt;10 To 50, Deduct</i>	-0.56	
				<i>For &gt;50 To 100, Deduct</i>	-1.13	
				<i>For &gt;100, Deduct</i>	-2.26	
05 05 19 00-0099	EA			1/4" Diameter x 1-3/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	11.75	
				<i>For &gt;10 To 50, Deduct</i>	-0.56	
				<i>For &gt;50 To 100, Deduct</i>	-1.13	
				<i>For &gt;100, Deduct</i>	-2.27	
05 05 19 00-0100	EA			1/4" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	11.91	
				<i>For &gt;10 To 50, Deduct</i>	-0.56	
				<i>For &gt;50 To 100, Deduct</i>	-1.14	
				<i>For &gt;100, Deduct</i>	-2.28	
05 05 19 00-0101	EA			5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	12.24	
				<i>For &gt;10 To 50, Deduct</i>	-0.59	
				<i>For &gt;50 To 100, Deduct</i>	-1.19	
				<i>For &gt;100, Deduct</i>	-2.38	
05 05 19 00-0102	EA			5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	12.36	
				<i>For &gt;10 To 50, Deduct</i>	-0.59	
				<i>For &gt;50 To 100, Deduct</i>	-1.19	
				<i>For &gt;100, Deduct</i>	-2.38	
05 05 19 00-0103	EA			3/8" Diameter x 1-7/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	13.86	
				<i>For &gt;10 To 50, Deduct</i>	-0.67	
				<i>For &gt;50 To 100, Deduct</i>	-1.34	
				<i>For &gt;100, Deduct</i>	-2.69	
05 05 19 00-0104	EA			3/8" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	14.08	
				<i>For &gt;10 To 50, Deduct</i>	-0.67	
				<i>For &gt;50 To 100, Deduct</i>	-1.35	
				<i>For &gt;100, Deduct</i>	-2.70	
05 05 19 00-0105	EA			3/8" Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	14.29	
				<i>For &gt;10 To 50, Deduct</i>	-0.67	
				<i>For &gt;50 To 100, Deduct</i>	-1.36	
				<i>For &gt;100, Deduct</i>	-2.71	
05 05 19 00-0106	EA			1/2" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	19.94	
				<i>For &gt;10 To 50, Deduct</i>	-0.95	
				<i>For &gt;50 To 100, Deduct</i>	-1.92	
				<i>For &gt;100, Deduct</i>	-3.84	
05 05 19 00-0107	EA			1/2" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	20.21	
				<i>For &gt;10 To 50, Deduct</i>	-0.95	
				<i>For &gt;50 To 100, Deduct</i>	-1.93	
				<i>For &gt;100, Deduct</i>	-3.85	
05 05 19 00-0108	EA			1/2" Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	20.45	
				<i>For &gt;10 To 50, Deduct</i>	-0.95	
				<i>For &gt;50 To 100, Deduct</i>	-1.93	
				<i>For &gt;100, Deduct</i>	-3.86	
05 05 19 00-0109	EA			1/2" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	20.74	
				<i>For &gt;10 To 50, Deduct</i>	-0.95	
				<i>For &gt;50 To 100, Deduct</i>	-1.94	
				<i>For &gt;100, Deduct</i>	-3.88	
05 05 19 00-0110	EA			5/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	24.94	
				<i>For &gt;10 To 50, Deduct</i>	-1.17	
				<i>For &gt;50 To 100, Deduct</i>	-2.38	
				<i>For &gt;100, Deduct</i>	-4.75	
05 05 19 00-0111	EA			5/8" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	25.35	
				<i>For &gt;10 To 50, Deduct</i>	-1.17	
				<i>For &gt;50 To 100, Deduct</i>	-2.39	
				<i>For &gt;100, Deduct</i>	-4.77	

**05 Metals****05 05 Common Work Results for Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 05 19 00-0112	EA	5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	25.67	
		<i>For &gt;10 To 50, Deduct</i>	-1.17	
		<i>For &gt;50 To 100, Deduct</i>	-2.39	
		<i>For &gt;100, Deduct</i>	-4.79	
05 05 19 00-0113	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	26.56	
		<i>For &gt;10 To 50, Deduct</i>	-1.17	
		<i>For &gt;50 To 100, Deduct</i>	-2.42	
		<i>For &gt;100, Deduct</i>	-4.83	
05 05 19 00-0114	EA	3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	30.43	
		<i>For &gt;10 To 50, Deduct</i>	-1.39	
		<i>For &gt;50 To 100, Deduct</i>	-2.85	
		<i>For &gt;100, Deduct</i>	-5.69	
05 05 19 00-0115	EA	3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	31.20	
		<i>For &gt;10 To 50, Deduct</i>	-1.39	
		<i>For &gt;50 To 100, Deduct</i>	-2.87	
		<i>For &gt;100, Deduct</i>	-5.73	
05 05 19 00-0116	EA	3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	31.90	
		<i>For &gt;10 To 50, Deduct</i>	-1.39	
		<i>For &gt;50 To 100, Deduct</i>	-2.88	
		<i>For &gt;100, Deduct</i>	-5.77	
05 05 19 00-0117	EA	3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	33.01	
		<i>For &gt;10 To 50, Deduct</i>	-1.39	
		<i>For &gt;50 To 100, Deduct</i>	-2.91	
		<i>For &gt;100, Deduct</i>	-5.82	
<b>05 05 19 00-0118</b>		<b>304/18-8 Stainless Steel, Concrete Sleeve Anchors</b> <small>(05 05 19 00-0096)</small>		
		Note: Includes nut and washer.		
05 05 19 00-0119	EA	1/4" Diameter x 1-3/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor.....	13.60	
		<i>For &gt;10 To 50, Deduct</i>	-0.56	
		<i>For &gt;50 To 100, Deduct</i>	-1.18	
		<i>For &gt;100, Deduct</i>	-2.36	
05 05 19 00-0120	EA	3/8" Diameter x 1-7/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor.....	17.80	
		<i>For &gt;10 To 50, Deduct</i>	-0.67	
		<i>For &gt;50 To 100, Deduct</i>	-1.44	
		<i>For &gt;100, Deduct</i>	-2.89	
05 05 19 00-0121	EA	3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor.....	19.57	
		<i>For &gt;10 To 50, Deduct</i>	-0.67	
		<i>For &gt;50 To 100, Deduct</i>	-1.49	
		<i>For &gt;100, Deduct</i>	-2.98	
05 05 19 00-0122	EA	1/2" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor.....	26.54	
		<i>For &gt;10 To 50, Deduct</i>	-0.95	
		<i>For &gt;50 To 100, Deduct</i>	-2.08	
		<i>For &gt;100, Deduct</i>	-4.17	
05 05 19 00-0123	EA	1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor.....	29.74	
		<i>For &gt;10 To 50, Deduct</i>	-0.95	
		<i>For &gt;50 To 100, Deduct</i>	-2.16	
		<i>For &gt;100, Deduct</i>	-4.33	
05 05 19 00-0124	EA	5/8" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor.....	40.77	
		<i>For &gt;10 To 50, Deduct</i>	-1.17	
		<i>For &gt;50 To 100, Deduct</i>	-2.77	
		<i>For &gt;100, Deduct</i>	-5.54	
<b>05 05 19 00-0125</b>		<b>Concrete Strike Anchors</b> <small>(05 05 19 00-0002)</small>		
		Note: Includes nut and washer.		
05 05 19 00-0126	EA	1/4" Diameter x 1-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor .....	12.25	
		<i>For &gt;10 To 50, Deduct</i>	-0.56	
		<i>For &gt;50 To 100, Deduct</i>	-1.15	
		<i>For &gt;100, Deduct</i>	-2.29	
05 05 19 00-0127	EA	1/4" Diameter x 2-3/8" Length, Zinc Plated Steel, Concrete Strike Anchor .....	12.47	
		<i>For &gt;10 To 50, Deduct</i>	-0.56	
		<i>For &gt;50 To 100, Deduct</i>	-1.15	
		<i>For &gt;100, Deduct</i>	-2.30	
05 05 19 00-0128	EA	5/16" Diameter x 2-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor .....	13.02	
		<i>For &gt;10 To 50, Deduct</i>	-0.59	
		<i>For &gt;50 To 100, Deduct</i>	-1.21	
		<i>For &gt;100, Deduct</i>	-2.42	
05 05 19 00-0129	EA	5/16" Diameter x 4" Length, Zinc Plated Steel, Concrete Strike Anchor .....	13.92	
		<i>For &gt;10 To 50, Deduct</i>	-0.59	
		<i>For &gt;50 To 100, Deduct</i>	-1.23	
		<i>For &gt;100, Deduct</i>	-2.46	
05 05 19 00-0130	EA	3/8" Diameter x 2-3/8" Length, Zinc Plated Steel, Concrete Strike Anchor .....	14.84	
		<i>For &gt;10 To 50, Deduct</i>	-0.67	
		<i>For &gt;50 To 100, Deduct</i>	-1.37	
		<i>For &gt;100, Deduct</i>	-2.74	
05 05 19 00-0131	EA	3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Concrete Strike Anchor .....	15.52	
		<i>For &gt;10 To 50, Deduct</i>	-0.67	
		<i>For &gt;50 To 100, Deduct</i>	-1.39	
		<i>For &gt;100, Deduct</i>	-2.77	
05 05 19 00-0132	EA	3/8" Diameter x 5" Length, Zinc Plated Steel, Concrete Strike Anchor .....	16.04	
		<i>For &gt;10 To 50, Deduct</i>	-0.67	
		<i>For &gt;50 To 100, Deduct</i>	-1.40	
		<i>For &gt;100, Deduct</i>	-2.80	
05 05 19 00-0133	EA	1/2" Diameter x 2-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor .....	21.62	
		<i>For &gt;10 To 50, Deduct</i>	-0.95	
		<i>For &gt;50 To 100, Deduct</i>	-1.96	
		<i>For &gt;100, Deduct</i>	-3.92	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0134	EA			1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Concrete Strike Anchor.....	22.02	
				<i>For &gt;10 To 50, Deduct</i>	-0.95	
				<i>For &gt;50 To 100, Deduct</i>	-1.97	
				<i>For &gt;100, Deduct</i>	-3.94	
05 05 19 00-0135	EA			1/2" Diameter x 4-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor.....	23.21	
				<i>For &gt;10 To 50, Deduct</i>	-0.95	
				<i>For &gt;50 To 100, Deduct</i>	-2.00	
				<i>For &gt;100, Deduct</i>	-4.00	
05 05 19 00-0136	EA			1/2" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor.....	24.74	
				<i>For &gt;10 To 50, Deduct</i>	-0.95	
				<i>For &gt;50 To 100, Deduct</i>	-2.04	
				<i>For &gt;100, Deduct</i>	-4.08	
05 05 19 00-0137	EA			5/8" Diameter x 4" Length, Zinc Plated Steel, Concrete Strike Anchor.....	28.49	
				<i>For &gt;10 To 50, Deduct</i>	-1.17	
				<i>For &gt;50 To 100, Deduct</i>	-2.47	
				<i>For &gt;100, Deduct</i>	-4.93	
05 05 19 00-0138	EA			5/8" Diameter x 4-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor.....	29.91	
				<i>For &gt;10 To 50, Deduct</i>	-1.17	
				<i>For &gt;50 To 100, Deduct</i>	-2.50	
				<i>For &gt;100, Deduct</i>	-5.00	
05 05 19 00-0139	EA			5/8" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor.....	31.16	
				<i>For &gt;10 To 50, Deduct</i>	-1.17	
				<i>For &gt;50 To 100, Deduct</i>	-2.53	
				<i>For &gt;100, Deduct</i>	-5.06	
05 05 19 00-0140	EA			3/4" Diameter x 5" Length, Zinc Plated Steel, Concrete Strike Anchor.....	36.34	
				<i>For &gt;10 To 50, Deduct</i>	-1.39	
				<i>For &gt;50 To 100, Deduct</i>	-3.00	
				<i>For &gt;100, Deduct</i>	-5.99	
05 05 19 00-0141	EA			3/4" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor.....	37.67	
				<i>For &gt;10 To 50, Deduct</i>	-1.39	
				<i>For &gt;50 To 100, Deduct</i>	-3.03	
				<i>For &gt;100, Deduct</i>	-6.06	
<b>05 05 19 00-0142</b>				<b>Multi-Set Drop-In Anchors</b> (05 05 19 00-0002)		
<b>05 05 19 00-0143</b>				<b>Zinc Plated Steel, Multi-Set Drop-In Anchors</b> (05 05 19 00-0142)		
				Note: Excludes bolt, nut and washer.		
05 05 19 00-0144	EA			1/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor.....	16.15	
				<i>For &gt;10 To 50, Deduct</i>	-0.78	
				<i>For &gt;50 To 100, Deduct</i>	-1.57	
				<i>For &gt;100, Deduct</i>	-3.15	
05 05 19 00-0145	EA			3/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor.....	19.75	
				<i>For &gt;10 To 50, Deduct</i>	-0.95	
				<i>For &gt;50 To 100, Deduct</i>	-1.92	
				<i>For &gt;100, Deduct</i>	-3.84	
05 05 19 00-0146	EA			1/2" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor.....	23.98	
				<i>For &gt;10 To 50, Deduct</i>	-1.12	
				<i>For &gt;50 To 100, Deduct</i>	-2.28	
				<i>For &gt;100, Deduct</i>	-4.56	
05 05 19 00-0147	EA			5/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor.....	27.09	
				<i>For &gt;10 To 50, Deduct</i>	-1.23	
				<i>For &gt;50 To 100, Deduct</i>	-2.52	
				<i>For &gt;100, Deduct</i>	-5.04	
05 05 19 00-0148	EA			3/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor.....	32.27	
				<i>For &gt;10 To 50, Deduct</i>	-1.40	
				<i>For &gt;50 To 100, Deduct</i>	-2.91	
				<i>For &gt;100, Deduct</i>	-5.81	
<b>05 05 19 00-0149</b>				<b>304/18-8 Stainless Steel, Multi-Set Drop-In Anchors</b> (05 05 19 00-0142)		
				Note: Excludes bolt, nut and washer.		
05 05 19 00-0150	EA			1/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	20.09	
				<i>For &gt;10 To 50, Deduct</i>	-0.78	
				<i>For &gt;50 To 100, Deduct</i>	-1.67	
				<i>For &gt;100, Deduct</i>	-3.34	
05 05 19 00-0151	EA			3/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	27.07	
				<i>For &gt;10 To 50, Deduct</i>	-0.95	
				<i>For &gt;50 To 100, Deduct</i>	-2.10	
				<i>For &gt;100, Deduct</i>	-4.21	
05 05 19 00-0152	EA			1/2" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	33.85	
				<i>For &gt;10 To 50, Deduct</i>	-1.12	
				<i>For &gt;50 To 100, Deduct</i>	-2.53	
				<i>For &gt;100, Deduct</i>	-5.05	
05 05 19 00-0153	EA			5/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	42.96	
				<i>For &gt;10 To 50, Deduct</i>	-1.23	
				<i>For &gt;50 To 100, Deduct</i>	-2.92	
				<i>For &gt;100, Deduct</i>	-5.84	
05 05 19 00-0154	EA			3/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	59.54	
				<i>For &gt;10 To 50, Deduct</i>	-1.40	
				<i>For &gt;50 To 100, Deduct</i>	-3.59	
				<i>For &gt;100, Deduct</i>	-7.18	
<b>05 05 19 00-0155</b>				<b>Single Bolt Expansion Anchors</b> (05 05 19 00-0002)		
				Note: Excludes bolt, nut and washer.		
05 05 19 00-0156	EA			1/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	11.81	
				<i>For &gt;10 To 50, Deduct</i>	-0.56	
				<i>For &gt;50 To 100, Deduct</i>	-1.14	
				<i>For &gt;100, Deduct</i>	-2.27	

**05 Metals****05 05 Common Work Results for Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 05 19 00-0157	EA	5/16" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor .....	12.60
		<i>For &gt;10 To 50, Deduct</i>	-0.59
		<i>For &gt;50 To 100, Deduct</i>	-1.20
		<i>For &gt;100, Deduct</i>	-2.39
05 05 19 00-0158	EA	3/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor .....	14.24
		<i>For &gt;10 To 50, Deduct</i>	-0.67
		<i>For &gt;50 To 100, Deduct</i>	-1.35
		<i>For &gt;100, Deduct</i>	-2.71
05 05 19 00-0159	EA	1/2" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor .....	20.74
		<i>For &gt;10 To 50, Deduct</i>	-0.95
		<i>For &gt;50 To 100, Deduct</i>	-1.94
		<i>For &gt;100, Deduct</i>	-3.88
05 05 19 00-0160	EA	5/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor .....	28.32
		<i>For &gt;10 To 50, Deduct</i>	-1.17
		<i>For &gt;50 To 100, Deduct</i>	-2.46
		<i>For &gt;100, Deduct</i>	-4.92
05 05 19 00-0161	EA	3/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor .....	34.12
		<i>For &gt;10 To 50, Deduct</i>	-1.39
		<i>For &gt;50 To 100, Deduct</i>	-2.94
		<i>For &gt;100, Deduct</i>	-5.88

**05 05 19 00-0162 Concrete Lag Shield Anchors** (05 05 19 00-0002)

Note: Excludes lag bolt and washer.

05 05 19 00-0163	EA	1/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor .....	12.15
		<i>For &gt;10 To 50, Deduct</i>	-0.56
		<i>For &gt;50 To 100, Deduct</i>	-1.14
		<i>For &gt;100, Deduct</i>	-2.29
05 05 19 00-0164	EA	5/16" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor .....	14.45
		<i>For &gt;10 To 50, Deduct</i>	-0.67
		<i>For &gt;50 To 100, Deduct</i>	-1.36
		<i>For &gt;100, Deduct</i>	-2.72
05 05 19 00-0165	EA	3/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor .....	15.22
		<i>For &gt;10 To 50, Deduct</i>	-0.67
		<i>For &gt;50 To 100, Deduct</i>	-1.38
		<i>For &gt;100, Deduct</i>	-2.76
05 05 19 00-0166	EA	1/2" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor .....	21.43
		<i>For &gt;10 To 50, Deduct</i>	-0.95
		<i>For &gt;50 To 100, Deduct</i>	-1.96
		<i>For &gt;100, Deduct</i>	-3.91
05 05 19 00-0167	EA	5/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor .....	27.47
		<i>For &gt;10 To 50, Deduct</i>	-1.17
		<i>For &gt;50 To 100, Deduct</i>	-2.44
		<i>For &gt;100, Deduct</i>	-4.88
05 05 19 00-0168	EA	3/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor .....	31.06
		<i>For &gt;10 To 50, Deduct</i>	-1.39
		<i>For &gt;50 To 100, Deduct</i>	-2.86
		<i>For &gt;100, Deduct</i>	-5.73

**05 05 19 00-0169 Chemical And Adhesive Anchors** (05 05 19 00-0001)**05 05 19 00-0170 Chemically Adhered Anchor Rods** (05 05 19 00-0169)

Note: Includes drilling hole, injected adhesive or pre-placed adhesive cartridge, nut and washer. Zinc coated carbon steel.

05 05 19 00-0171	EA	1/4" x 1-9/16" Long Chemically Adhered Anchor Rod.....	14.83
		<i>For &gt;10 To 50, Deduct</i>	-0.62
		<i>For &gt;50 To 100, Deduct</i>	-1.29
		<i>For &gt;100, Deduct</i>	-2.59
05 05 19 00-0172	EA	5/16" x 2-3/8" Long Chemically Adhered Anchor Rod.....	17.08
		<i>For &gt;10 To 50, Deduct</i>	-0.67
		<i>For &gt;50 To 100, Deduct</i>	-1.43
		<i>For &gt;100, Deduct</i>	-2.87
05 05 19 00-0173	EA	3/8" x 2-3/4" Long Chemically Adhered Anchor Rod.....	21.22
		<i>For &gt;10 To 50, Deduct</i>	-0.84
		<i>For &gt;50 To 100, Deduct</i>	-1.79
		<i>For &gt;100, Deduct</i>	-3.58
05 05 19 00-0174	EA	1/2" x 3-11/16" Long Chemically Adhered Anchor Rod.....	24.78
		<i>For &gt;10 To 50, Deduct</i>	-0.95
		<i>For &gt;50 To 100, Deduct</i>	-2.04
		<i>For &gt;100, Deduct</i>	-4.08
05 05 19 00-0175	EA	1/2" x 5-1/2" Long Chemically Adhered Anchor Rod.....	26.11
		<i>For &gt;10 To 50, Deduct</i>	-0.95
		<i>For &gt;50 To 100, Deduct</i>	-2.07
		<i>For &gt;100, Deduct</i>	-4.15
05 05 19 00-0176	EA	5/8" x 7" Long Chemically Adhered Anchor Rod.....	32.29
		<i>For &gt;10 To 50, Deduct</i>	-1.17
		<i>For &gt;50 To 100, Deduct</i>	-2.56
		<i>For &gt;100, Deduct</i>	-5.12
05 05 19 00-0177	EA	3/4" x 9-1/2" Long Chemically Adhered Anchor Rod.....	41.64
		<i>For &gt;10 To 50, Deduct</i>	-1.39
		<i>For &gt;50 To 100, Deduct</i>	-3.13
		<i>For &gt;100, Deduct</i>	-6.26
05 05 19 00-0178	EA	7/8" x 10" Long Chemically Adhered Anchor Rod.....	49.01
		<i>For &gt;10 To 50, Deduct</i>	-1.51
		<i>For &gt;50 To 100, Deduct</i>	-3.48
		<i>For &gt;100, Deduct</i>	-6.97

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0179	EA			1" x 11-3/4" Long Chemically Adhered Anchor Rod .....	66.71	
				For >10 To 50, Deduct	-1.95	
				For >50 To 100, Deduct	-4.60	
				For >100, Deduct	-9.20	
05 05 19 00-0180	EA			1-1/4" x 14" Long Chemically Adhered Anchor Rod .....	94.93	
				For >10 To 50, Deduct	-2.46	
				For >50 To 100, Deduct	-6.07	
				For >100, Deduct	-12.14	
<b>05 05 19 00-0181</b>				<b>Chemical Adhesives For Bolts, Dowels Or Threaded Rod</b> <small>(05 05 19 00-0169)</small>		
				Note: Injected or drop in cartridge. Sizes listed are for the diameter of the bolt, dowel or rod to be anchored. Includes drilling. Excludes bolt, dowel or rod.		
05 05 19 00-0182	EA			1/4" Chemical Adhesive For Bolt Or Threaded Rod .....	12.63	
				For >10 To 50, Deduct	-0.62	
				For >50 To 100, Deduct	-1.24	
				For >100, Deduct	-2.48	
05 05 19 00-0183	EA			5/16" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	13.82	
				For >10 To 50, Deduct	-0.67	
				For >50 To 100, Deduct	-1.35	
				For >100, Deduct	-2.71	
05 05 19 00-0184	EA			3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	17.31	
				For >10 To 50, Deduct	-0.84	
				For >50 To 100, Deduct	-1.69	
				For >100, Deduct	-3.38	
05 05 19 00-0185	EA			1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	19.66	
				For >10 To 50, Deduct	-0.95	
				For >50 To 100, Deduct	-1.91	
				For >100, Deduct	-3.82	
05 05 19 00-0186	EA			5/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	25.14	
				For >10 To 50, Deduct	-1.17	
				For >50 To 100, Deduct	-2.38	
				For >100, Deduct	-4.76	
05 05 19 00-0187	EA			3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	30.92	
				For >10 To 50, Deduct	-1.39	
				For >50 To 100, Deduct	-2.86	
				For >100, Deduct	-5.72	
05 05 19 00-0188	EA			7/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	34.26	
				For >10 To 50, Deduct	-1.51	
				For >50 To 100, Deduct	-3.12	
				For >100, Deduct	-6.23	
05 05 19 00-0189	EA			1" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	45.27	
				For >10 To 50, Deduct	-1.95	
				For >50 To 100, Deduct	-4.06	
				For >100, Deduct	-8.12	
05 05 19 00-0190	EA			1-1/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod .....	51.81	
				For >10 To 50, Deduct	-2.21	
				For >50 To 100, Deduct	-4.61	
				For >100, Deduct	-9.22	
05 05 19 00-0191	EA			1-1/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod .....	59.19	
				For >10 To 50, Deduct	-2.46	
				For >50 To 100, Deduct	-5.17	
				For >100, Deduct	-10.35	
05 05 19 00-0192	EA			1-3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod .....	63.92	
				For >10 To 50, Deduct	-2.58	
				For >50 To 100, Deduct	-5.46	
				For >100, Deduct	-10.92	
05 05 19 00-0193	EA			1-1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod .....	70.29	
				For >10 To 50, Deduct	-2.69	
				For >50 To 100, Deduct	-5.79	
				For >100, Deduct	-11.58	
05 05 19 00-0194	EA			1-3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod .....	83.04	
				For >10 To 50, Deduct	-2.91	
				For >50 To 100, Deduct	-6.44	
				For >100, Deduct	-12.89	
05 05 19 00-0195	EA			2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	110.10	
				For >10 To 50, Deduct	-3.02	
				For >50 To 100, Deduct	-7.29	
				For >100, Deduct	-14.57	
<b>05 05 19 00-0196</b>				<b>Grout Concrete Anchor Bolt Or Threaded Rod</b> <small>(05 05 19 00-0169)</small>		
05 05 19 00-0197	EA			Grout Concrete Anchor Bolt or Threaded Rod.....	4.46	
				For >10 To 50, Deduct	-0.22	
				For >50 To 100, Deduct	-0.43	
				For >100, Deduct	-0.87	
<b>05 05 19 00-0198</b>				<b>Other Concrete And Masonry Anchors</b> <small>(05 05 19 00-0001)</small>		
<b>05 05 19 00-0199</b>				<b>Tapcon Masonry Screws</b> <small>(05 05 19 00-0198)</small>		
				Note: Includes drilling. Countersunk or hex head.		
05 05 19 00-0200	EA			3/16" x 1-1/4" Tapcon Masonry Screw.....	11.45	
				For >10 To 50, Deduct	-0.56	
				For >50 To 100, Deduct	-1.13	
				For >100, Deduct	-2.25	
05 05 19 00-0201	EA			3/16" x 2-1/4" Tapcon Masonry Screw.....	11.51	
				For >10 To 50, Deduct	-0.56	
				For >50 To 100, Deduct	-1.13	
				For >100, Deduct	-2.26	

**05 Metals****05 05 Common Work Results for Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 05 19 00-0202	EA	3/16" x 3-1/4" Tapcon Masonry Screw.....	11.66	
		<i>For &gt;10 To 50, Deduct</i>	-0.56	
		<i>For &gt;50 To 100, Deduct</i>	-1.13	
		<i>For &gt;100, Deduct</i>	-2.26	
05 05 19 00-0203	EA	1/4" x 1-1/4" Tapcon Masonry Screw.....	11.53	
		<i>For &gt;10 To 50, Deduct</i>	-0.56	
		<i>For &gt;50 To 100, Deduct</i>	-1.13	
		<i>For &gt;100, Deduct</i>	-2.26	
05 05 19 00-0204	EA	1/4" x 2-1/4" Tapcon Masonry Screw.....	11.60	
		<i>For &gt;10 To 50, Deduct</i>	-0.56	
		<i>For &gt;50 To 100, Deduct</i>	-1.13	
		<i>For &gt;100, Deduct</i>	-2.26	
05 05 19 00-0205	EA	1/4" x 3-1/4" Tapcon Masonry Screw.....	11.77	
		<i>For &gt;10 To 50, Deduct</i>	-0.56	
		<i>For &gt;50 To 100, Deduct</i>	-1.13	
		<i>For &gt;100, Deduct</i>	-2.27	

**05 05 19 00-0206 Large Diameter, Self-Threading Concrete Fasteners (05 05 19 00-0198)**

Note: Includes drilling. Zinc plated.

05 05 19 00-0207	EA	3/8" x 1-3/4", Large Diameter, Self-Threading Concrete Fastener.....	12.29	
		<i>For &gt;10 To 50, Deduct</i>	-0.56	
		<i>For &gt;50 To 100, Deduct</i>	-1.15	
		<i>For &gt;100, Deduct</i>	-2.29	
05 05 19 00-0208	EA	3/8" x 2-1/2", Large Diameter, Self-Threading Concrete Fastener.....	12.68	
		<i>For &gt;10 To 50, Deduct</i>	-0.56	
		<i>For &gt;50 To 100, Deduct</i>	-1.16	
		<i>For &gt;100, Deduct</i>	-2.31	
05 05 19 00-0209	EA	3/8" x 3", Large Diameter, Self-Threading Concrete Fastener.....	12.78	
		<i>For &gt;10 To 50, Deduct</i>	-0.56	
		<i>For &gt;50 To 100, Deduct</i>	-1.16	
		<i>For &gt;100, Deduct</i>	-2.32	
05 05 19 00-0210	EA	3/8" x 4", Large Diameter, Self-Threading Concrete Fastener.....	12.97	
		<i>For &gt;10 To 50, Deduct</i>	-0.56	
		<i>For &gt;50 To 100, Deduct</i>	-1.16	
		<i>For &gt;100, Deduct</i>	-2.33	
05 05 19 00-0211	EA	3/8" x 5", Large Diameter, Self-Threading Concrete Fastener.....	13.13	
		<i>For &gt;10 To 50, Deduct</i>	-0.56	
		<i>For &gt;50 To 100, Deduct</i>	-1.17	
		<i>For &gt;100, Deduct</i>	-2.34	
05 05 19 00-0212	EA	1/2" x 3", Large Diameter, Self-Threading Concrete Fastener.....	13.47	
		<i>For &gt;10 To 50, Deduct</i>	-0.56	
		<i>For &gt;50 To 100, Deduct</i>	-1.18	
		<i>For &gt;100, Deduct</i>	-2.35	
05 05 19 00-0213	EA	1/2" x 4", Large Diameter, Self-Threading Concrete Fastener.....	13.89	
		<i>For &gt;10 To 50, Deduct</i>	-0.56	
		<i>For &gt;50 To 100, Deduct</i>	-1.19	
		<i>For &gt;100, Deduct</i>	-2.37	
05 05 19 00-0214	EA	1/2" x 5", Large Diameter, Self-Threading Concrete Fastener.....	14.28	
		<i>For &gt;10 To 50, Deduct</i>	-0.56	
		<i>For &gt;50 To 100, Deduct</i>	-1.20	
		<i>For &gt;100, Deduct</i>	-2.39	
05 05 19 00-0215	EA	1/2" x 6", Large Diameter, Self-Threading Concrete Fastener.....	15.35	
		<i>For &gt;10 To 50, Deduct</i>	-0.56	
		<i>For &gt;50 To 100, Deduct</i>	-1.22	
		<i>For &gt;100, Deduct</i>	-2.45	
05 05 19 00-0216	EA	5/8" x 3", Large Diameter, Self-Threading Concrete Fastener.....	15.48	
		<i>For &gt;10 To 50, Deduct</i>	-0.56	
		<i>For &gt;50 To 100, Deduct</i>	-1.23	
		<i>For &gt;100, Deduct</i>	-2.45	
05 05 19 00-0217	EA	5/8" x 4", Large Diameter, Self-Threading Concrete Fastener.....	16.14	
		<i>For &gt;10 To 50, Deduct</i>	-0.56	
		<i>For &gt;50 To 100, Deduct</i>	-1.24	
		<i>For &gt;100, Deduct</i>	-2.49	
05 05 19 00-0218	EA	5/8" x 5", Large Diameter, Self-Threading Concrete Fastener.....	16.82	
		<i>For &gt;10 To 50, Deduct</i>	-0.56	
		<i>For &gt;50 To 100, Deduct</i>	-1.26	
		<i>For &gt;100, Deduct</i>	-2.52	
05 05 19 00-0219	EA	5/8" x 6", Large Diameter, Self-Threading Concrete Fastener.....	17.25	
		<i>For &gt;10 To 50, Deduct</i>	-0.56	
		<i>For &gt;50 To 100, Deduct</i>	-1.27	
		<i>For &gt;100, Deduct</i>	-2.54	
05 05 19 00-0220	EA	3/4" x 4-1/2", Large Diameter, Self-Threading Concrete Fastener.....	17.06	
		<i>For &gt;10 To 50, Deduct</i>	-0.56	
		<i>For &gt;50 To 100, Deduct</i>	-1.27	
		<i>For &gt;100, Deduct</i>	-2.53	
05 05 19 00-0221	EA	3/4" x 5-1/2", Large Diameter, Self-Threading Concrete Fastener.....	17.69	
		<i>For &gt;10 To 50, Deduct</i>	-0.56	
		<i>For &gt;50 To 100, Deduct</i>	-1.28	
		<i>For &gt;100, Deduct</i>	-2.56	
05 05 19 00-0222	EA	3/4" x 6-1/4", Large Diameter, Self-Threading Concrete Fastener.....	19.15	
		<i>For &gt;10 To 50, Deduct</i>	-0.56	
		<i>For &gt;50 To 100, Deduct</i>	-1.32	
		<i>For &gt;100, Deduct</i>	-2.64	

**05 05 19 00-0223 Pin Bolt Drives (05 05 19 00-0198)**

Note: Includes drilling. Zinc plated.

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0224 EA 1/4" x 1" Pin Bolt Drive.....	7.10	
For >10 To 50, Deduct	-0.34	
For >50 To 100, Deduct	-0.68	
For >100, Deduct	-1.36	
05 05 19 00-0225 EA 1/4" x 1-1/4" Pin Bolt Drive.....	7.10	
For >10 To 50, Deduct	-0.34	
For >50 To 100, Deduct	-0.68	
For >100, Deduct	-1.36	
05 05 19 00-0226 EA 1/4" x 1-1/2" Pin Bolt Drive.....	7.15	
For >10 To 50, Deduct	-0.34	
For >50 To 100, Deduct	-0.68	
For >100, Deduct	-1.37	
05 05 19 00-0227 EA 1/4" x 2" Pin Bolt Drive.....	7.16	
For >10 To 50, Deduct	-0.34	
For >50 To 100, Deduct	-0.68	
For >100, Deduct	-1.37	
<b>05 05 19 00-0228 Powder Actuated, Shot-In Place Anchors (05 05 19 00-0198)</b>		
05 05 19 00-0229 EA 0.15" Diameter x 1/2" Length, Stud Powder Actuated Anchor .....	1.75	
For >10 To 50, Deduct	-0.08	
For >50 To 100, Deduct	-0.16	
For >100, Deduct	-0.31	
05 05 19 00-0230 EA 0.15" Diameter x 3/4" Length, Stud Powder Actuated Anchor .....	1.83	
For >10 To 50, Deduct	-0.08	
For >50 To 100, Deduct	-0.16	
For >100, Deduct	-0.33	
05 05 19 00-0231 EA 0.15"/0.18" Diameter x 1" Length, Stud Powder Actuated Anchor .....	1.99	
For >10 To 50, Deduct	-0.08	
For >50 To 100, Deduct	-0.18	
For >100, Deduct	-0.35	
05 05 19 00-0232 EA 0.15"/0.18" Diameter x 1-1/4" Length, Stud Powder Actuated Anchor .....	2.20	
For >10 To 50, Deduct	-0.09	
For >50 To 100, Deduct	-0.19	
For >100, Deduct	-0.38	
05 05 19 00-0233 EA 0.15"/0.18" Diameter x 1-7/8" Length, Stud Powder Actuated Anchor .....	2.30	
For >10 To 50, Deduct	-0.09	
For >50 To 100, Deduct	-0.19	
For >100, Deduct	-0.38	
<b>05 05 19 00-0234 Powder Actuated, Shot-In Place Anchors With Exposed Thread (05 05 19 00-0198)</b>		
05 05 19 00-0235 EA 0.145" Diameter x 1" Long Shank, 3/4" Thread Length, 1/4" - 20 Treaded Stud Powder Actuated Anchor .....	2.03	
For >10 To 50, Deduct	-0.08	
For >50 To 100, Deduct	-0.17	
For >100, Deduct	-0.34	
05 05 19 00-0236 EA 0.205" Diameter x 1-1/6" Long Shank, 1" Thread Length, 3/8" - 16 Treaded Stud Powder Actuated Anchor .....	2.72	
For >10 To 50, Deduct	-0.10	
For >50 To 100, Deduct	-0.21	
For >100, Deduct	-0.42	
<b>05 05 21 Fastening Methods for Metal (05 05)</b>		
<b>05 05 21 00-0001 Welding (05 05 21)</b>		
<b>05 05 21 00-0002 Minimum Charge For Welding (05 05 21 00-0001)</b>		
05 05 21 00-0003 EA Welding Minimum Charge.....	447.06	
Note: For projects where the total welding charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
<b>05 05 21 00-0004 Spot Welding (05 05 21 00-0001)</b>		
See CSI section 05 05 21 00-0007 for a series of welds.		
05 05 21 00-0005 EA Up To 15 Spot Weldings, Welds Up To 1" Length Each.....	11.43	
For Aluminum Welding, Add	1.79	
For Stainless Steel Welding, Add	2.95	
05 05 21 00-0006 EA >15 Spot Weldings, Welds Up To 1" Length Each.....	8.91	
For Aluminum Welding, Add	1.41	
For Stainless Steel Welding, Add	2.32	
<b>05 05 21 00-0007 Field Welding (Seam And Stitch Welding) (05 05 21 00-0001)</b>		
<b>05 05 21 00-0008 Vertical Fillet Welds (05 05 21 00-0007)</b>		
Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.		
05 05 21 00-0009 LF 1/8" Vertical Fillet Weld.....	7.25	
For Aluminum Welding, Add	1.44	
For Stainless Steel Welding, Add	2.26	
For Up To 25, Add	2.39	
For >25 To 50, Add	1.69	
05 05 21 00-0010 LF 3/16" Vertical Fillet Weld.....	14.05	
For Aluminum Welding, Add	2.55	
For Stainless Steel Welding, Add	4.06	
For Up To 25, Add	4.74	
For >25 To 50, Add	3.37	

## 05 Metals

## 05 05 Common Work Results for Metals

## 05 05 21 Fastening Methods for Metal

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 05 21 00-0011	LF	1/4" Vertical Fillet Weld.....	21.09	
		For Aluminum Welding, Add	3.83	
		For Stainless Steel Welding, Add	6.11	
		For Up To 25, Add	7.10	
		For >25 To 50, Add	5.05	
05 05 21 00-0012	LF	5/16" Vertical Fillet Weld.....	27.82	
		For Aluminum Welding, Add	5.07	
		For Stainless Steel Welding, Add	8.08	
		For Up To 25, Add	9.36	
		For >25 To 50, Add	6.66	
05 05 21 00-0013	LF	3/8" Vertical Fillet Weld.....	35.13	
		For Aluminum Welding, Add	6.37	
		For Stainless Steel Welding, Add	10.16	
		For Up To 25, Add	11.84	
		For >25 To 50, Add	8.41	
05 05 21 00-0014	LF	7/16" Vertical Fillet Weld.....	40.89	
		For Aluminum Welding, Add	7.01	
		For Stainless Steel Welding, Add	11.32	
		For Up To 25, Add	13.95	
		For >25 To 50, Add	9.93	
05 05 21 00-0015	LF	1/2" Vertical Fillet Weld.....	48.05	
		For Aluminum Welding, Add	8.76	
		For Stainless Steel Welding, Add	13.95	
		For Up To 25, Add	16.17	
		For >25 To 50, Add	11.50	
05 05 21 00-0016	LF	9/16" Vertical Fillet Weld.....	56.20	
		For Aluminum Welding, Add	9.82	
		For Stainless Steel Welding, Add	15.78	
		For Up To 25, Add	19.09	
		For >25 To 50, Add	13.59	
05 05 21 00-0017	LF	5/8" Vertical Fillet Weld.....	65.15	
		For Aluminum Welding, Add	11.41	
		For Stainless Steel Welding, Add	18.34	
		For Up To 25, Add	22.12	
		For >25 To 50, Add	15.74	
05 05 21 00-0018	LF	3/4" Vertical Fillet Weld.....	87.93	
		For Aluminum Welding, Add	16.00	
		For Stainless Steel Welding, Add	25.50	
		For Up To 25, Add	29.60	
		For >25 To 50, Add	21.04	
05 05 21 00-0019	LF	7/8" Vertical Fillet Weld.....	130.07	
		For Aluminum Welding, Add	22.65	
		For Stainless Steel Welding, Add	36.44	
		For Up To 25, Add	44.22	
		For >25 To 50, Add	31.47	
05 05 21 00-0020	LF	1" Vertical Fillet Weld.....	175.22	
		For Aluminum Welding, Add	31.54	
		For Stainless Steel Welding, Add	50.38	
		For Up To 25, Add	59.14	
		For >25 To 50, Add	42.05	

05 05 21 00-0021 Horizontal Or Flat Fillet Welds (05 05 21 00-0007)

Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.

05 05 21 00-0022	LF	1/8" Horizontal Or Flat Fillet Weld.....	6.11	
		For Aluminum Welding, Add	1.27	
		For Stainless Steel Welding, Add	1.97	
		For Up To 25, Add	1.99	
		For >25 To 50, Add	1.41	
05 05 21 00-0023	LF	3/16" Horizontal Or Flat Fillet Weld.....	11.90	
		For Aluminum Welding, Add	2.25	
		For Stainless Steel Welding, Add	3.55	
		For Up To 25, Add	3.97	
		For >25 To 50, Add	2.82	
05 05 21 00-0024	LF	1/4" Horizontal Or Flat Fillet Weld.....	17.80	
		For Aluminum Welding, Add	3.36	
		For Stainless Steel Welding, Add	5.31	
		For Up To 25, Add	5.94	
		For >25 To 50, Add	4.22	
05 05 21 00-0025	LF	5/16" Horizontal Or Flat Fillet Weld.....	23.53	
		For Aluminum Welding, Add	4.48	
		For Stainless Steel Welding, Add	7.07	
		For Up To 25, Add	7.84	
		For >25 To 50, Add	5.57	
05 05 21 00-0026	LF	3/8" Horizontal Or Flat Fillet Weld.....	29.70	
		For Aluminum Welding, Add	5.61	
		For Stainless Steel Welding, Add	8.87	
		For Up To 25, Add	9.92	
		For >25 To 50, Add	7.04	
05 05 21 00-0027	LF	7/16" Horizontal Or Flat Fillet Weld.....	34.42	
		For Aluminum Welding, Add	6.09	
		For Stainless Steel Welding, Add	9.76	
		For Up To 25, Add	11.66	
		For >25 To 50, Add	8.30	
05 05 21 00-0028	LF	1/2" Horizontal Or Flat Fillet Weld.....	40.56	
		For Aluminum Welding, Add	7.70	
		For Stainless Steel Welding, Add	12.16	
		For Up To 25, Add	13.52	
		For >25 To 50, Add	9.60	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 05 21 00-0029	LF	9/16" Horizontal Or Flat Fillet Weld.....	47.41	
		For Aluminum Welding, Add	8.59	
		For Stainless Steel Welding, Add	13.70	
		For Up To 25, Add	15.98	
		For >25 To 50, Add	11.36	
05 05 21 00-0030	LF	5/8" Horizontal Or Flat Fillet Weld.....	55.21	
		For Aluminum Welding, Add	10.20	
		For Stainless Steel Welding, Add	16.20	
		For Up To 25, Add	18.53	
		For >25 To 50, Add	13.16	
05 05 21 00-0031	LF	3/4" Horizontal Or Flat Fillet Weld.....	74.31	
		For Aluminum Welding, Add	14.10	
		For Stainless Steel Welding, Add	22.27	
		For Up To 25, Add	24.78	
		For >25 To 50, Add	17.59	
05 05 21 00-0032	LF	7/8" Horizontal Or Flat Fillet Weld.....	108.92	
		For Aluminum Welding, Add	19.27	
		For Stainless Steel Welding, Add	30.89	
		For Up To 25, Add	36.90	
		For >25 To 50, Add	26.25	
05 05 21 00-0033	LF	1" Horizontal Or Flat Fillet Weld.....	147.57	
		For Aluminum Welding, Add	27.65	
		For Stainless Steel Welding, Add	43.79	
		For Up To 25, Add	49.35	
		For >25 To 50, Add	35.05	

### 05 05 23 Metal Fastenings (05 05)

#### 05 05 23 00-0001 Hex Bolts (05 05 23)

Note: For owner furnished materials or where requested by the owner. Excludes drilling through wood, steel, concrete, brick or block. See CSI section 02 41 19 13-0221 for drilling into concrete, 02 41 19 13-0231 for drilling into brick or block, 02 41 19 13-0241 for drilling into wood or plastic, 05 05 23 00-1567 for drilling through steel.

#### 05 05 23 00-0002 A307B Heavy Hex Bolts (05 05 23 00-0001)

Note: Includes A307B heavy hex nut and two structural washers.

#### 05 05 23 00-0003 Plain Finish A307B Heavy Hex Bolts (05 05 23 00-0002)

05 05 23 00-0004	EA	1/2" Diameter x 1-1/2" Long, Plain Finish A307B Heavy Hex Bolt.....	13.31	1.27
		For >10 To 50, Deduct	-0.53	
		For >50 To 100, Deduct	-1.13	
		For >100, Deduct	-2.26	
05 05 23 00-0005	EA	1/2" Diameter x 3" Long, Plain Finish A307B Heavy Hex Bolt.....	14.85	1.27
		For >10 To 50, Deduct	-0.53	
		For >50 To 100, Deduct	-1.17	
		For >100, Deduct	-2.34	
05 05 23 00-0006	EA	5/8" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt.....	14.89	1.27
		For >10 To 50, Deduct	-0.53	
		For >50 To 100, Deduct	-1.17	
		For >100, Deduct	-2.34	
05 05 23 00-0007	EA	5/8" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt.....	17.82	1.46
		For >10 To 50, Deduct	-0.61	
		For >50 To 100, Deduct	-1.36	
		For >100, Deduct	-2.72	
05 05 23 00-0008	EA	3/4" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt.....	17.47	1.27
		For >10 To 50, Deduct	-0.53	
		For >50 To 100, Deduct	-1.24	
		For >100, Deduct	-2.47	
05 05 23 00-0009	EA	3/4" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt.....	21.02	1.46
		For >10 To 50, Deduct	-0.61	
		For >50 To 100, Deduct	-1.44	
		For >100, Deduct	-2.87	
05 05 23 00-0010	EA	3/4" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt.....	26.98	1.52
		For >10 To 50, Deduct	-0.64	
		For >50 To 100, Deduct	-1.63	
		For >100, Deduct	-3.26	
05 05 23 00-0011	EA	3/4" Diameter x 8" Long, Plain Finish A307B Heavy Hex Bolt.....	29.03	1.60
		For >10 To 50, Deduct	-0.67	
		For >50 To 100, Deduct	-1.73	
		For >100, Deduct	-3.46	
05 05 23 00-0012	EA	7/8" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt.....	21.10	1.38
		For >10 To 50, Deduct	-0.58	
		For >50 To 100, Deduct	-1.39	
		For >100, Deduct	-2.79	
05 05 23 00-0013	EA	7/8" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt.....	25.64	1.52
		For >10 To 50, Deduct	-0.63	
		For >50 To 100, Deduct	-1.59	
		For >100, Deduct	-3.19	
05 05 23 00-0014	EA	1" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt.....	30.40	1.60
		For >10 To 50, Deduct	-0.67	
		For >50 To 100, Deduct	-1.76	
		For >100, Deduct	-3.53	
05 05 23 00-0015	EA	1" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt.....	44.15	1.68
		For >10 To 50, Deduct	-0.70	
		For >50 To 100, Deduct	-2.16	
		For >100, Deduct	-4.32	
05 05 23 00-0016	EA	1-1/4" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt.....	51.77	1.91
		For >10 To 50, Deduct	-0.79	
		For >50 To 100, Deduct	-2.48	
		For >100, Deduct	-4.97	

## 05 Metals

## 05 05 Common Work Results for Metals

## 05 05 23 Metal Fastenings

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 23 00-0017	EA 1-1/4" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt.....	58.41	2.04
	For >10 To 50, Deduct	-0.85	
	For >50 To 100, Deduct	-2.74	
	For >100, Deduct	-5.47	
<b>05 05 23 00-0018</b>	<b>Galvanized A307B Heavy Hex Bolts (05 05 23 00-0002)</b>		
05 05 23 00-0019	EA 1/2" Diameter x 1-1/2" Long, Galvanized A307B Heavy Hex Bolt.....	14.07	1.27
	For >10 To 50, Deduct	-0.53	
	For >50 To 100, Deduct	-1.15	
	For >100, Deduct	-2.30	
05 05 23 00-0020	EA 1/2" Diameter x 3" Long, Galvanized A307B Heavy Hex Bolt.....	15.35	1.27
	For >10 To 50, Deduct	-0.53	
	For >50 To 100, Deduct	-1.18	
	For >100, Deduct	-2.37	
05 05 23 00-0021	EA 5/8" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt.....	16.75	1.27
	For >10 To 50, Deduct	-0.53	
	For >50 To 100, Deduct	-1.22	
	For >100, Deduct	-2.44	
05 05 23 00-0022	EA 5/8" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt.....	19.68	1.46
	For >10 To 50, Deduct	-0.61	
	For >50 To 100, Deduct	-1.40	
	For >100, Deduct	-2.81	
05 05 23 00-0023	EA 3/4" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt.....	19.58	1.27
	For >10 To 50, Deduct	-0.53	
	For >50 To 100, Deduct	-1.29	
	For >100, Deduct	-2.58	
05 05 23 00-0024	EA 3/4" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt.....	24.92	1.46
	For >10 To 50, Deduct	-0.61	
	For >50 To 100, Deduct	-1.53	
	For >100, Deduct	-3.07	
05 05 23 00-0025	EA 3/4" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt.....	33.71	1.52
	For >10 To 50, Deduct	-0.64	
	For >50 To 100, Deduct	-1.80	
	For >100, Deduct	-3.59	
05 05 23 00-0026	EA 3/4" Diameter x 8" Long, Galvanized A307B Heavy Hex Bolt.....	39.92	1.60
	For >10 To 50, Deduct	-0.67	
	For >50 To 100, Deduct	-2.00	
	For >100, Deduct	-4.00	
05 05 23 00-0027	EA 7/8" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt.....	26.64	1.38
	For >10 To 50, Deduct	-0.58	
	For >50 To 100, Deduct	-1.53	
	For >100, Deduct	-3.06	
05 05 23 00-0028	EA 7/8" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt.....	31.87	1.52
	For >10 To 50, Deduct	-0.63	
	For >50 To 100, Deduct	-1.75	
	For >100, Deduct	-3.50	
05 05 23 00-0029	EA 1" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt.....	38.45	1.60
	For >10 To 50, Deduct	-0.67	
	For >50 To 100, Deduct	-1.96	
	For >100, Deduct	-3.93	
05 05 23 00-0030	EA 1" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt.....	58.74	1.68
	For >10 To 50, Deduct	-0.70	
	For >50 To 100, Deduct	-2.52	
	For >100, Deduct	-5.04	
05 05 23 00-0031	EA 1-1/4" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt.....	58.30	1.91
	For >10 To 50, Deduct	-0.79	
	For >50 To 100, Deduct	-2.65	
	For >100, Deduct	-5.29	
05 05 23 00-0032	EA 1-1/4" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt.....	73.51	2.04
	For >10 To 50, Deduct	-0.85	
	For >50 To 100, Deduct	-3.11	
	For >100, Deduct	-6.23	
<b>05 05 23 00-0033</b>	<b>A325 High Strength Structural Bolts (05 05 23 00-0001)</b>		
<b>05 05 23 00-0034</b>	<b>Plain Finish A325 High Strength Structural Bolts (05 05 23 00-0033)</b>		
	Note: Includes A325 heavy hex nut and structural washer.		
05 05 23 00-0035	EA 1/2" Diameter x 1-1/2" Long, Plain Finish A325 High Strength Structural Bolt.....	12.96	1.27
	For >10 To 50, Deduct	-0.53	
	For >50 To 100, Deduct	-1.12	
	For >100, Deduct	-2.25	
05 05 23 00-0036	EA 1/2" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt.....	13.29	1.27
	For >10 To 50, Deduct	-0.53	
	For >50 To 100, Deduct	-1.13	
	For >100, Deduct	-2.26	
05 05 23 00-0037	EA 5/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	14.38	1.27
	For >10 To 50, Deduct	-0.53	
	For >50 To 100, Deduct	-1.16	
	For >100, Deduct	-2.32	
05 05 23 00-0038	EA 5/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	17.85	1.46
	For >10 To 50, Deduct	-0.61	
	For >50 To 100, Deduct	-1.36	
	For >100, Deduct	-2.72	
05 05 23 00-0039	EA 5/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	20.97	1.52
	For >10 To 50, Deduct	-0.64	
	For >50 To 100, Deduct	-1.48	
	For >100, Deduct	-2.96	



	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0040	EA		3/4" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt..... <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	15.89 -0.53 -1.20 -2.39	1.27
05 05 23 00-0041	EA		3/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt..... <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	19.45 -0.61 -1.40 -2.80	1.46
05 05 23 00-0042	EA		3/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt..... <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	22.40 -0.64 -1.51 -3.03	1.52
05 05 23 00-0043	EA		3/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt..... <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	28.07 -0.67 -1.70 -3.41	1.60
05 05 23 00-0044	EA		7/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt..... <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	18.62 -0.58 -1.33 -2.66	1.38
05 05 23 00-0045	EA		7/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt..... <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	23.00 -0.63 -1.53 -3.05	1.52
05 05 23 00-0046	EA		7/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt..... <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	26.50 -0.67 -1.67 -3.33	1.60
05 05 23 00-0047	EA		7/8" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt..... <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	28.82 -0.70 -1.77 -3.55	1.68
05 05 23 00-0048	EA		1" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt..... <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	20.76 -0.60 -1.42 -2.84	1.44
05 05 23 00-0049	EA		1" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt..... <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	25.22 -0.67 -1.63 -3.27	1.60
05 05 23 00-0050	EA		1" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt..... <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	29.54 -0.70 -1.79 -3.58	1.68
05 05 23 00-0051	EA		1" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt..... <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	38.52 -0.75 -2.08 -4.17	1.79
05 05 23 00-0052	EA		1-1/4" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt..... <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	36.62 -0.75 -2.04 -4.07	1.79
05 05 23 00-0053	EA		1-1/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt..... <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	41.75 -0.79 -2.23 -4.47	1.91
05 05 23 00-0054	EA		1-1/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt..... <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	49.38 -0.85 -2.51 -5.02	2.04
05 05 23 00-0055	EA		1-1/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt..... <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	58.39 -0.91 -2.82 -5.64	2.18
<b>05 05 23 00-0056</b>			<b>Galvanized A325 High Strength Structural Bolts</b> <small>(05 05 23 00-0033)</small>		
			Note: Includes A325 heavy hex nut and structural washer.		
05 05 23 00-0057	EA		1/2" Diameter x 1-1/2" Long, Galvanized A325 High Strength Structural Bolt..... <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	13.63 -0.53 -1.14 -2.28	1.27
05 05 23 00-0058	EA		1/2" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt..... <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	13.87 -0.53 -1.15 -2.29	1.27
05 05 23 00-0059	EA		5/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt..... <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	15.81 -0.53 -1.19 -2.39	1.27
05 05 23 00-0060	EA		5/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt..... <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	18.87 -0.61 -1.38 -2.77	1.46
05 05 23 00-0061	EA		5/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt..... <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	20.00 -0.64 -1.45 -2.91	1.52

## 05 Metals

## 05 05 Common Work Results for Metals

## 05 05 23 Metal Fastenings

 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

05 05 23 00-0062	EA	3/4" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	16.55	1.27
		For >10 To 50, Deduct	-0.53	
		For >50 To 100, Deduct	-1.21	
		For >100, Deduct	-2.43	
05 05 23 00-0063	EA	3/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	20.28	1.46
		For >10 To 50, Deduct	-0.61	
		For >50 To 100, Deduct	-1.42	
		For >100, Deduct	-2.84	
05 05 23 00-0064	EA	3/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	23.69	1.52
		For >10 To 50, Deduct	-0.64	
		For >50 To 100, Deduct	-1.55	
		For >100, Deduct	-3.09	
05 05 23 00-0065	EA	3/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt.....	31.12	1.60
		For >10 To 50, Deduct	-0.67	
		For >50 To 100, Deduct	-1.78	
		For >100, Deduct	-3.56	
05 05 23 00-0066	EA	7/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	22.57	1.38
		For >10 To 50, Deduct	-0.58	
		For >50 To 100, Deduct	-1.43	
		For >100, Deduct	-2.86	
05 05 23 00-0067	EA	7/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	25.33	1.52
		For >10 To 50, Deduct	-0.63	
		For >50 To 100, Deduct	-1.59	
		For >100, Deduct	-3.17	
05 05 23 00-0068	EA	7/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	29.33	1.60
		For >10 To 50, Deduct	-0.67	
		For >50 To 100, Deduct	-1.74	
		For >100, Deduct	-3.47	
05 05 23 00-0069	EA	7/8" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt.....	37.31	1.68
		For >10 To 50, Deduct	-0.70	
		For >50 To 100, Deduct	-1.99	
		For >100, Deduct	-3.97	
05 05 23 00-0070	EA	1" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	23.83	1.44
		For >10 To 50, Deduct	-0.60	
		For >50 To 100, Deduct	-1.50	
		For >100, Deduct	-2.99	
05 05 23 00-0071	EA	1" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	32.26	1.60
		For >10 To 50, Deduct	-0.67	
		For >50 To 100, Deduct	-1.81	
		For >100, Deduct	-3.62	
05 05 23 00-0072	EA	1" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	35.44	1.68
		For >10 To 50, Deduct	-0.70	
		For >50 To 100, Deduct	-1.94	
		For >100, Deduct	-3.88	
05 05 23 00-0073	EA	1" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt.....	45.78	1.79
		For >10 To 50, Deduct	-0.75	
		For >50 To 100, Deduct	-2.27	
		For >100, Deduct	-4.53	
05 05 23 00-0074	EA	1-1/4" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt .....	45.49	1.79
		For >10 To 50, Deduct	-0.75	
		For >50 To 100, Deduct	-2.26	
		For >100, Deduct	-4.52	
05 05 23 00-0075	EA	1-1/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt .....	48.53	1.91
		For >10 To 50, Deduct	-0.79	
		For >50 To 100, Deduct	-2.40	
		For >100, Deduct	-4.81	
05 05 23 00-0076	EA	1-1/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt .....	57.15	2.04
		For >10 To 50, Deduct	-0.85	
		For >50 To 100, Deduct	-2.70	
		For >100, Deduct	-5.41	
05 05 23 00-0077	EA	1-1/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt .....	66.50	2.18
		For >10 To 50, Deduct	-0.91	
		For >50 To 100, Deduct	-3.02	
		For >100, Deduct	-6.04	

## 05 05 23 00-0078 A490 High Strength Structural Bolts (05 05 23 00-0001)

Note: Includes A490 heavy hex nut and two structural washers.

## 05 05 23 00-0079 Plain Finish A490 High Strength Structural Bolts (05 05 23 00-0078)

05 05 23 00-0080	EA	5/8" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	14.92	1.27
		For >10 To 50, Deduct	-0.53	
		For >50 To 100, Deduct	-1.17	
		For >100, Deduct	-2.34	
05 05 23 00-0081	EA	5/8" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	21.53	1.46
		For >10 To 50, Deduct	-0.61	
		For >50 To 100, Deduct	-1.45	
		For >100, Deduct	-2.90	
05 05 23 00-0082	EA	5/8" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	23.09	1.52
		For >10 To 50, Deduct	-0.64	
		For >50 To 100, Deduct	-1.53	
		For >100, Deduct	-3.06	
05 05 23 00-0083	EA	3/4" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	17.00	1.27
		For >10 To 50, Deduct	-0.53	
		For >50 To 100, Deduct	-1.22	
		For >100, Deduct	-2.45	
05 05 23 00-0084	EA	3/4" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	20.72	1.46
		For >10 To 50, Deduct	-0.61	
		For >50 To 100, Deduct	-1.43	
		For >100, Deduct	-2.86	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 05 23 00-0085	EA		3/4" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	24.44	1.52
			<i>For &gt;10 To 50, Deduct</i>	-0.64	
			<i>For &gt;50 To 100, Deduct</i>	-1.56	
			<i>For &gt;100, Deduct</i>	-3.13	
05 05 23 00-0086	EA		3/4" Diameter x 8" Long, Plain Finish A490 High Strength Structural Bolt.....	32.05	1.60
			<i>For &gt;10 To 50, Deduct</i>	-0.67	
			<i>For &gt;50 To 100, Deduct</i>	-1.80	
			<i>For &gt;100, Deduct</i>	-3.61	
05 05 23 00-0087	EA		7/8" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	19.91	1.38
			<i>For &gt;10 To 50, Deduct</i>	-0.58	
			<i>For &gt;50 To 100, Deduct</i>	-1.36	
			<i>For &gt;100, Deduct</i>	-2.73	
05 05 23 00-0088	EA		7/8" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	23.41	1.52
			<i>For &gt;10 To 50, Deduct</i>	-0.63	
			<i>For &gt;50 To 100, Deduct</i>	-1.54	
			<i>For &gt;100, Deduct</i>	-3.07	
05 05 23 00-0089	EA		7/8" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	34.82	1.60
			<i>For &gt;10 To 50, Deduct</i>	-0.67	
			<i>For &gt;50 To 100, Deduct</i>	-1.87	
			<i>For &gt;100, Deduct</i>	-3.75	
05 05 23 00-0090	EA		1" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	23.76	1.44
			<i>For &gt;10 To 50, Deduct</i>	-0.60	
			<i>For &gt;50 To 100, Deduct</i>	-1.49	
			<i>For &gt;100, Deduct</i>	-2.99	
05 05 23 00-0091	EA		1" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	28.60	1.60
			<i>For &gt;10 To 50, Deduct</i>	-0.67	
			<i>For &gt;50 To 100, Deduct</i>	-1.72	
			<i>For &gt;100, Deduct</i>	-3.44	
05 05 23 00-0092	EA		1" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	33.17	1.68
			<i>For &gt;10 To 50, Deduct</i>	-0.70	
			<i>For &gt;50 To 100, Deduct</i>	-1.88	
			<i>For &gt;100, Deduct</i>	-3.77	
05 05 23 00-0093	EA		1-1/4" Diameter x 3" Long, Plain Finish A490 High Strength Structural Bolt.....	41.98	1.79
			<i>For &gt;10 To 50, Deduct</i>	-0.75	
			<i>For &gt;50 To 100, Deduct</i>	-2.17	
			<i>For &gt;100, Deduct</i>	-4.34	
05 05 23 00-0094	EA		1-1/4" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	54.56	1.91
			<i>For &gt;10 To 50, Deduct</i>	-0.79	
			<i>For &gt;50 To 100, Deduct</i>	-2.55	
			<i>For &gt;100, Deduct</i>	-5.11	
05 05 23 00-0095	EA		1-1/4" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	57.36	2.04
			<i>For &gt;10 To 50, Deduct</i>	-0.85	
			<i>For &gt;50 To 100, Deduct</i>	-2.71	
			<i>For &gt;100, Deduct</i>	-5.42	
05 05 23 00-0096	EA		1-1/4" Diameter x 8" Long, Plain Finish A490 High Strength Structural Bolt.....	59.76	2.18
			<i>For &gt;10 To 50, Deduct</i>	-0.91	
			<i>For &gt;50 To 100, Deduct</i>	-2.85	
			<i>For &gt;100, Deduct</i>	-5.71	

**05 05 23 00-0097 Hex Head Bolts** (05 05 23 00-0001)

**05 05 23 00-0098 Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts** (05 05 23 00-0097)

**05 05 23 00-0099 1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts** (05 05 23 00-0098)

05 05 23 00-0100	EA		1/4" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.12	
			<i>For &gt;100 To 250, Deduct</i>	-1.40	
			<i>For &gt;250 To 500, Deduct</i>	-1.75	
			<i>For &gt;500, Deduct</i>	-2.10	
05 05 23 00-0101	EA		1/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.15	
			<i>For &gt;100 To 250, Deduct</i>	-1.40	
			<i>For &gt;250 To 500, Deduct</i>	-1.75	
			<i>For &gt;500, Deduct</i>	-2.10	
05 05 23 00-0102	EA		1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.23	
			<i>For &gt;100 To 250, Deduct</i>	-1.40	
			<i>For &gt;250 To 500, Deduct</i>	-1.75	
			<i>For &gt;500, Deduct</i>	-2.10	
05 05 23 00-0103	EA		1/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.28	
			<i>For &gt;100 To 250, Deduct</i>	-1.40	
			<i>For &gt;250 To 500, Deduct</i>	-1.75	
			<i>For &gt;500, Deduct</i>	-2.10	
05 05 23 00-0104	EA		1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.53	
			<i>For &gt;100 To 250, Deduct</i>	-1.44	
			<i>For &gt;250 To 500, Deduct</i>	-1.80	
			<i>For &gt;500, Deduct</i>	-2.16	
05 05 23 00-0105	EA		1/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.57	
			<i>For &gt;100 To 250, Deduct</i>	-1.44	
			<i>For &gt;250 To 500, Deduct</i>	-1.80	
			<i>For &gt;500, Deduct</i>	-2.16	
05 05 23 00-0106	EA		1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.70	
			<i>For &gt;100 To 250, Deduct</i>	-1.44	
			<i>For &gt;250 To 500, Deduct</i>	-1.80	
			<i>For &gt;500, Deduct</i>	-2.16	
05 05 23 00-0107	EA		1/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.90	
			<i>For &gt;100 To 250, Deduct</i>	-1.48	
			<i>For &gt;250 To 500, Deduct</i>	-1.85	
			<i>For &gt;500, Deduct</i>	-2.22	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

05 05 23 00-0108	EA	1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.94	
		<i>For &gt;100 To 250, Deduct</i>	-1.48	
		<i>For &gt;250 To 500, Deduct</i>	-1.85	
		<i>For &gt;500, Deduct</i>	-2.22	
05 05 23 00-0109	EA	1/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.15	
		<i>For &gt;100 To 250, Deduct</i>	-1.48	
		<i>For &gt;250 To 500, Deduct</i>	-1.85	
		<i>For &gt;500, Deduct</i>	-2.22	
05 05 23 00-0110	EA	1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.50	
		<i>For &gt;100 To 250, Deduct</i>	-1.52	
		<i>For &gt;250 To 500, Deduct</i>	-1.90	
		<i>For &gt;500, Deduct</i>	-2.28	
05 05 23 00-0111	EA	1/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.65	
		<i>For &gt;100 To 250, Deduct</i>	-1.52	
		<i>For &gt;250 To 500, Deduct</i>	-1.90	
		<i>For &gt;500, Deduct</i>	-2.28	
05 05 23 00-0112	EA	1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.86	
		<i>For &gt;100 To 250, Deduct</i>	-1.52	
		<i>For &gt;250 To 500, Deduct</i>	-1.90	
		<i>For &gt;500, Deduct</i>	-2.28	
05 05 23 00-0113	EA	1/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.51	
		<i>For &gt;100 To 250, Deduct</i>	-1.56	
		<i>For &gt;250 To 500, Deduct</i>	-1.95	
		<i>For &gt;500, Deduct</i>	-2.34	
05 05 23 00-0114	EA	1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.84	
		<i>For &gt;100 To 250, Deduct</i>	-1.56	
		<i>For &gt;250 To 500, Deduct</i>	-1.95	
		<i>For &gt;500, Deduct</i>	-2.34	
05 05 23 00-0115	EA	1/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.92	
		<i>For &gt;100 To 250, Deduct</i>	-1.56	
		<i>For &gt;250 To 500, Deduct</i>	-1.95	
		<i>For &gt;500, Deduct</i>	-2.34	
05 05 23 00-0116	EA	5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small> .....	7.19	
		<i>For &gt;100 To 250, Deduct</i>	-1.40	
		<i>For &gt;250 To 500, Deduct</i>	-1.75	
		<i>For &gt;500, Deduct</i>	-2.10	
05 05 23 00-0118	EA	5/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.23	
		<i>For &gt;100 To 250, Deduct</i>	-1.40	
		<i>For &gt;250 To 500, Deduct</i>	-1.75	
		<i>For &gt;500, Deduct</i>	-2.10	
05 05 23 00-0119	EA	5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.30	
		<i>For &gt;100 To 250, Deduct</i>	-1.40	
		<i>For &gt;250 To 500, Deduct</i>	-1.75	
		<i>For &gt;500, Deduct</i>	-2.10	
05 05 23 00-0120	EA	5/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.35	
		<i>For &gt;100 To 250, Deduct</i>	-1.40	
		<i>For &gt;250 To 500, Deduct</i>	-1.75	
		<i>For &gt;500, Deduct</i>	-2.10	
05 05 23 00-0121	EA	5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.63	
		<i>For &gt;100 To 250, Deduct</i>	-1.44	
		<i>For &gt;250 To 500, Deduct</i>	-1.80	
		<i>For &gt;500, Deduct</i>	-2.16	
05 05 23 00-0122	EA	5/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.76	
		<i>For &gt;100 To 250, Deduct</i>	-1.44	
		<i>For &gt;250 To 500, Deduct</i>	-1.80	
		<i>For &gt;500, Deduct</i>	-2.16	
05 05 23 00-0123	EA	5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.81	
		<i>For &gt;100 To 250, Deduct</i>	-1.44	
		<i>For &gt;250 To 500, Deduct</i>	-1.80	
		<i>For &gt;500, Deduct</i>	-2.16	
05 05 23 00-0124	EA	5/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.14	
		<i>For &gt;100 To 250, Deduct</i>	-1.48	
		<i>For &gt;250 To 500, Deduct</i>	-1.85	
		<i>For &gt;500, Deduct</i>	-2.22	
05 05 23 00-0125	EA	5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.33	
		<i>For &gt;100 To 250, Deduct</i>	-1.48	
		<i>For &gt;250 To 500, Deduct</i>	-1.85	
		<i>For &gt;500, Deduct</i>	-2.22	
05 05 23 00-0126	EA	5/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.41	
		<i>For &gt;100 To 250, Deduct</i>	-1.48	
		<i>For &gt;250 To 500, Deduct</i>	-1.85	
		<i>For &gt;500, Deduct</i>	-2.22	
05 05 23 00-0127	EA	5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.67	
		<i>For &gt;100 To 250, Deduct</i>	-1.52	
		<i>For &gt;250 To 500, Deduct</i>	-1.90	
		<i>For &gt;500, Deduct</i>	-2.28	
05 05 23 00-0128	EA	5/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.74	
		<i>For &gt;100 To 250, Deduct</i>	-1.52	
		<i>For &gt;250 To 500, Deduct</i>	-1.90	
		<i>For &gt;500, Deduct</i>	-2.28	
05 05 23 00-0129	EA	5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.48	
		<i>For &gt;100 To 250, Deduct</i>	-1.52	
		<i>For &gt;250 To 500, Deduct</i>	-1.90	
		<i>For &gt;500, Deduct</i>	-2.28	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 05 23 00-0130	EA	5/16"	Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.05	
			<i>For &gt;100 To 250, Deduct</i>	-1.56	
			<i>For &gt;250 To 500, Deduct</i>	-1.95	
			<i>For &gt;500, Deduct</i>	-2.34	
05 05 23 00-0131	EA	5/16"	Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.37	
			<i>For &gt;100 To 250, Deduct</i>	-1.56	
			<i>For &gt;250 To 500, Deduct</i>	-1.95	
			<i>For &gt;500, Deduct</i>	-2.34	
05 05 23 00-0132	EA	5/16"	Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.67	
			<i>For &gt;100 To 250, Deduct</i>	-1.56	
			<i>For &gt;250 To 500, Deduct</i>	-1.95	
			<i>For &gt;500, Deduct</i>	-2.34	

**05 05 23 00-0133      3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05)**  
23 00-0098

05 05 23 00-0134	EA	3/8"	Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.28	
			<i>For &gt;100 To 250, Deduct</i>	-1.40	
			<i>For &gt;250 To 500, Deduct</i>	-1.75	
			<i>For &gt;500, Deduct</i>	-2.10	
05 05 23 00-0135	EA	3/8"	Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.31	
			<i>For &gt;100 To 250, Deduct</i>	-1.40	
			<i>For &gt;250 To 500, Deduct</i>	-1.75	
			<i>For &gt;500, Deduct</i>	-2.10	
05 05 23 00-0136	EA	3/8"	Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.42	
			<i>For &gt;100 To 250, Deduct</i>	-1.40	
			<i>For &gt;250 To 500, Deduct</i>	-1.75	
			<i>For &gt;500, Deduct</i>	-2.10	
05 05 23 00-0137	EA	3/8"	Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.51	
			<i>For &gt;100 To 250, Deduct</i>	-1.40	
			<i>For &gt;250 To 500, Deduct</i>	-1.75	
			<i>For &gt;500, Deduct</i>	-2.10	
05 05 23 00-0138	EA	3/8"	Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.80	
			<i>For &gt;100 To 250, Deduct</i>	-1.44	
			<i>For &gt;250 To 500, Deduct</i>	-1.80	
			<i>For &gt;500, Deduct</i>	-2.16	
05 05 23 00-0139	EA	3/8"	Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.97	
			<i>For &gt;100 To 250, Deduct</i>	-1.44	
			<i>For &gt;250 To 500, Deduct</i>	-1.80	
			<i>For &gt;500, Deduct</i>	-2.16	
05 05 23 00-0140	EA	3/8"	Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.14	
			<i>For &gt;100 To 250, Deduct</i>	-1.44	
			<i>For &gt;250 To 500, Deduct</i>	-1.80	
			<i>For &gt;500, Deduct</i>	-2.16	
05 05 23 00-0141	EA	3/8"	Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.50	
			<i>For &gt;100 To 250, Deduct</i>	-1.48	
			<i>For &gt;250 To 500, Deduct</i>	-1.85	
			<i>For &gt;500, Deduct</i>	-2.22	
05 05 23 00-0142	EA	3/8"	Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.72	
			<i>For &gt;100 To 250, Deduct</i>	-1.48	
			<i>For &gt;250 To 500, Deduct</i>	-1.85	
			<i>For &gt;500, Deduct</i>	-2.22	
05 05 23 00-0143	EA	3/8"	Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.84	
			<i>For &gt;100 To 250, Deduct</i>	-1.48	
			<i>For &gt;250 To 500, Deduct</i>	-1.85	
			<i>For &gt;500, Deduct</i>	-2.22	
05 05 23 00-0144	EA	3/8"	Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.27	
			<i>For &gt;100 To 250, Deduct</i>	-1.52	
			<i>For &gt;250 To 500, Deduct</i>	-1.90	
			<i>For &gt;500, Deduct</i>	-2.28	
05 05 23 00-0145	EA	3/8"	Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.40	
			<i>For &gt;100 To 250, Deduct</i>	-1.52	
			<i>For &gt;250 To 500, Deduct</i>	-1.90	
			<i>For &gt;500, Deduct</i>	-2.28	
05 05 23 00-0146	EA	3/8"	Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.48	
			<i>For &gt;100 To 250, Deduct</i>	-1.52	
			<i>For &gt;250 To 500, Deduct</i>	-1.90	
			<i>For &gt;500, Deduct</i>	-2.28	
05 05 23 00-0147	EA	3/8"	Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.74	
			<i>For &gt;100 To 250, Deduct</i>	-1.56	
			<i>For &gt;250 To 500, Deduct</i>	-1.95	
			<i>For &gt;500, Deduct</i>	-2.34	
05 05 23 00-0148	EA	3/8"	Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.88	
			<i>For &gt;100 To 250, Deduct</i>	-1.56	
			<i>For &gt;250 To 500, Deduct</i>	-1.95	
			<i>For &gt;500, Deduct</i>	-2.34	
05 05 23 00-0149	EA	3/8"	Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.08	
			<i>For &gt;100 To 250, Deduct</i>	-1.56	
			<i>For &gt;250 To 500, Deduct</i>	-1.95	
			<i>For &gt;500, Deduct</i>	-2.34	

**05 05 23 00-0150      7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05)**  
23 00-0098

05 05 23 00-0151	EA	7/16"	Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.69	
			<i>For &gt;100 To 250, Deduct</i>	-1.60	
			<i>For &gt;250 To 500, Deduct</i>	-2.00	
			<i>For &gt;500, Deduct</i>	-2.40	

## 05 Metals

## 05 05 Common Work Results for Metals

## 05 05 23 Metal Fastenings

 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

05 05 23 00-0152	EA	7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.83	
		<i>For &gt;100 To 250, Deduct</i>	-1.60	
		<i>For &gt;250 To 500, Deduct</i>	-2.00	
		<i>For &gt;500, Deduct</i>	-2.40	
05 05 23 00-0153	EA	7/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.85	
		<i>For &gt;100 To 250, Deduct</i>	-1.60	
		<i>For &gt;250 To 500, Deduct</i>	-2.00	
		<i>For &gt;500, Deduct</i>	-2.40	
05 05 23 00-0154	EA	7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.24	
		<i>For &gt;100 To 250, Deduct</i>	-1.64	
		<i>For &gt;250 To 500, Deduct</i>	-2.05	
		<i>For &gt;500, Deduct</i>	-2.46	
05 05 23 00-0155	EA	7/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.45	
		<i>For &gt;100 To 250, Deduct</i>	-1.64	
		<i>For &gt;250 To 500, Deduct</i>	-2.05	
		<i>For &gt;500, Deduct</i>	-2.46	
05 05 23 00-0156	EA	7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.62	
		<i>For &gt;100 To 250, Deduct</i>	-1.64	
		<i>For &gt;250 To 500, Deduct</i>	-2.05	
		<i>For &gt;500, Deduct</i>	-2.46	
05 05 23 00-0157	EA	7/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.27	
		<i>For &gt;100 To 250, Deduct</i>	-1.68	
		<i>For &gt;250 To 500, Deduct</i>	-2.10	
		<i>For &gt;500, Deduct</i>	-2.52	
05 05 23 00-0158	EA	7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.39	
		<i>For &gt;100 To 250, Deduct</i>	-1.68	
		<i>For &gt;250 To 500, Deduct</i>	-2.10	
		<i>For &gt;500, Deduct</i>	-2.52	
05 05 23 00-0159	EA	7/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.65	
		<i>For &gt;100 To 250, Deduct</i>	-1.68	
		<i>For &gt;250 To 500, Deduct</i>	-2.10	
		<i>For &gt;500, Deduct</i>	-2.52	
05 05 23 00-0160	EA	7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.27	
		<i>For &gt;100 To 250, Deduct</i>	-1.72	
		<i>For &gt;250 To 500, Deduct</i>	-2.15	
		<i>For &gt;500, Deduct</i>	-2.58	
05 05 23 00-0161	EA	7/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.40	
		<i>For &gt;100 To 250, Deduct</i>	-1.72	
		<i>For &gt;250 To 500, Deduct</i>	-2.15	
		<i>For &gt;500, Deduct</i>	-2.58	
05 05 23 00-0162	EA	7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.71	
		<i>For &gt;100 To 250, Deduct</i>	-1.72	
		<i>For &gt;250 To 500, Deduct</i>	-2.15	
		<i>For &gt;500, Deduct</i>	-2.58	
05 05 23 00-0163	EA	7/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.04	
		<i>For &gt;100 To 250, Deduct</i>	-1.76	
		<i>For &gt;250 To 500, Deduct</i>	-2.20	
		<i>For &gt;500, Deduct</i>	-2.64	
05 05 23 00-0164	EA	7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.32	
		<i>For &gt;100 To 250, Deduct</i>	-1.76	
		<i>For &gt;250 To 500, Deduct</i>	-2.20	
		<i>For &gt;500, Deduct</i>	-2.64	
05 05 23 00-0165	EA	7/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.88	
		<i>For &gt;100 To 250, Deduct</i>	-1.76	
		<i>For &gt;250 To 500, Deduct</i>	-2.20	
		<i>For &gt;500, Deduct</i>	-2.64	
05 05 23 00-0166	EA	1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small> .....	8.57	
		<i>For &gt;100 To 250, Deduct</i>	-1.60	
		<i>For &gt;250 To 500, Deduct</i>	-2.00	
		<i>For &gt;500, Deduct</i>	-2.40	
05 05 23 00-0168	EA	1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.74	
		<i>For &gt;100 To 250, Deduct</i>	-1.60	
		<i>For &gt;250 To 500, Deduct</i>	-2.00	
		<i>For &gt;500, Deduct</i>	-2.40	
05 05 23 00-0169	EA	1/2" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.91	
		<i>For &gt;100 To 250, Deduct</i>	-1.60	
		<i>For &gt;250 To 500, Deduct</i>	-2.00	
		<i>For &gt;500, Deduct</i>	-2.40	
05 05 23 00-0170	EA	1/2" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.30	
		<i>For &gt;100 To 250, Deduct</i>	-1.64	
		<i>For &gt;250 To 500, Deduct</i>	-2.05	
		<i>For &gt;500, Deduct</i>	-2.46	
05 05 23 00-0171	EA	1/2" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.47	
		<i>For &gt;100 To 250, Deduct</i>	-1.64	
		<i>For &gt;250 To 500, Deduct</i>	-2.05	
		<i>For &gt;500, Deduct</i>	-2.46	
05 05 23 00-0172	EA	1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.64	
		<i>For &gt;100 To 250, Deduct</i>	-1.64	
		<i>For &gt;250 To 500, Deduct</i>	-2.05	
		<i>For &gt;500, Deduct</i>	-2.46	
05 05 23 00-0173	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.07	
		<i>For &gt;100 To 250, Deduct</i>	-1.68	
		<i>For &gt;250 To 500, Deduct</i>	-2.10	
		<i>For &gt;500, Deduct</i>	-2.52	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0174	EA	1/2" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.27	
		<i>For &gt;100 To 250, Deduct</i>	-1.68	
		<i>For &gt;250 To 500, Deduct</i>	-2.10	
		<i>For &gt;500, Deduct</i>	-2.52	
05 05 23 00-0175	EA	1/2" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.62	
		<i>For &gt;100 To 250, Deduct</i>	-1.68	
		<i>For &gt;250 To 500, Deduct</i>	-2.10	
		<i>For &gt;500, Deduct</i>	-2.52	
05 05 23 00-0176	EA	1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.87	
		<i>For &gt;100 To 250, Deduct</i>	-1.72	
		<i>For &gt;250 To 500, Deduct</i>	-2.15	
		<i>For &gt;500, Deduct</i>	-2.58	
05 05 23 00-0177	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.92	
		<i>For &gt;100 To 250, Deduct</i>	-1.72	
		<i>For &gt;250 To 500, Deduct</i>	-2.15	
		<i>For &gt;500, Deduct</i>	-2.58	
05 05 23 00-0178	EA	1/2" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.21	
		<i>For &gt;100 To 250, Deduct</i>	-1.72	
		<i>For &gt;250 To 500, Deduct</i>	-2.15	
		<i>For &gt;500, Deduct</i>	-2.58	
05 05 23 00-0179	EA	1/2" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.67	
		<i>For &gt;100 To 250, Deduct</i>	-1.76	
		<i>For &gt;250 To 500, Deduct</i>	-2.20	
		<i>For &gt;500, Deduct</i>	-2.64	
05 05 23 00-0180	EA	1/2" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.85	
		<i>For &gt;100 To 250, Deduct</i>	-1.76	
		<i>For &gt;250 To 500, Deduct</i>	-2.20	
		<i>For &gt;500, Deduct</i>	-2.64	
05 05 23 00-0181	EA	1/2" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.36	
		<i>For &gt;100 To 250, Deduct</i>	-1.76	
		<i>For &gt;250 To 500, Deduct</i>	-2.20	
		<i>For &gt;500, Deduct</i>	-2.64	
05 05 23 00-0182	EA	1/2" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.82	
		<i>For &gt;100 To 250, Deduct</i>	-1.80	
		<i>For &gt;250 To 500, Deduct</i>	-2.25	
		<i>For &gt;500, Deduct</i>	-2.70	
05 05 23 00-0183	EA	1/2" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.00	
		<i>For &gt;100 To 250, Deduct</i>	-1.80	
		<i>For &gt;250 To 500, Deduct</i>	-2.25	
		<i>For &gt;500, Deduct</i>	-2.70	
05 05 23 00-0184	EA	1/2" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.72	
		<i>For &gt;100 To 250, Deduct</i>	-1.80	
		<i>For &gt;250 To 500, Deduct</i>	-2.25	
		<i>For &gt;500, Deduct</i>	-2.70	
05 05 23 00-0185	EA	1/2" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.92	
		<i>For &gt;100 To 250, Deduct</i>	-1.80	
		<i>For &gt;250 To 500, Deduct</i>	-2.25	
		<i>For &gt;500, Deduct</i>	-2.70	
<b>05 05 23 00-0186</b>		<b>9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts</b> <small>(05 05)</small>		
		<small>23 00-0098)</small>		
05 05 23 00-0187	EA	9/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.75	
		<i>For &gt;100 To 250, Deduct</i>	-1.60	
		<i>For &gt;250 To 500, Deduct</i>	-2.00	
		<i>For &gt;500, Deduct</i>	-2.40	
05 05 23 00-0188	EA	9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.98	
		<i>For &gt;100 To 250, Deduct</i>	-1.60	
		<i>For &gt;250 To 500, Deduct</i>	-2.00	
		<i>For &gt;500, Deduct</i>	-2.40	
05 05 23 00-0189	EA	9/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.03	
		<i>For &gt;100 To 250, Deduct</i>	-1.60	
		<i>For &gt;250 To 500, Deduct</i>	-2.00	
		<i>For &gt;500, Deduct</i>	-2.40	
05 05 23 00-0190	EA	9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.98	
		<i>For &gt;100 To 250, Deduct</i>	-1.64	
		<i>For &gt;250 To 500, Deduct</i>	-2.05	
		<i>For &gt;500, Deduct</i>	-2.46	
05 05 23 00-0191	EA	9/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.28	
		<i>For &gt;100 To 250, Deduct</i>	-1.64	
		<i>For &gt;250 To 500, Deduct</i>	-2.05	
		<i>For &gt;500, Deduct</i>	-2.46	
05 05 23 00-0192	EA	9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.38	
		<i>For &gt;100 To 250, Deduct</i>	-1.64	
		<i>For &gt;250 To 500, Deduct</i>	-2.05	
		<i>For &gt;500, Deduct</i>	-2.46	
05 05 23 00-0193	EA	9/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.62	
		<i>For &gt;100 To 250, Deduct</i>	-1.68	
		<i>For &gt;250 To 500, Deduct</i>	-2.10	
		<i>For &gt;500, Deduct</i>	-2.52	
05 05 23 00-0194	EA	9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.69	
		<i>For &gt;100 To 250, Deduct</i>	-1.68	
		<i>For &gt;250 To 500, Deduct</i>	-2.10	
		<i>For &gt;500, Deduct</i>	-2.52	
05 05 23 00-0195	EA	9/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.95	
		<i>For &gt;100 To 250, Deduct</i>	-1.68	
		<i>For &gt;250 To 500, Deduct</i>	-2.10	
		<i>For &gt;500, Deduct</i>	-2.52	

## 05 Metals

## 05 05 Common Work Results for Metals

## 05 05 23 Metal Fastenings

 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

05 05 23 00-0196	EA	9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.21
		<i>For &gt;100 To 250, Deduct</i>	-1.72
		<i>For &gt;250 To 500, Deduct</i>	-2.15
		<i>For &gt;500, Deduct</i>	-2.58
05 05 23 00-0197	EA	9/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.28
		<i>For &gt;100 To 250, Deduct</i>	-1.72
		<i>For &gt;250 To 500, Deduct</i>	-2.15
		<i>For &gt;500, Deduct</i>	-2.58
05 05 23 00-0198	EA	9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.51
		<i>For &gt;100 To 250, Deduct</i>	-1.72
		<i>For &gt;250 To 500, Deduct</i>	-2.15
		<i>For &gt;500, Deduct</i>	-2.58
05 05 23 00-0199	EA	9/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.94
		<i>For &gt;100 To 250, Deduct</i>	-1.76
		<i>For &gt;250 To 500, Deduct</i>	-2.20
		<i>For &gt;500, Deduct</i>	-2.64
05 05 23 00-0200	EA	9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.21
		<i>For &gt;100 To 250, Deduct</i>	-1.76
		<i>For &gt;250 To 500, Deduct</i>	-2.20
		<i>For &gt;500, Deduct</i>	-2.64
05 05 23 00-0201	EA	9/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.47
		<i>For &gt;100 To 250, Deduct</i>	-1.76
		<i>For &gt;250 To 500, Deduct</i>	-2.20
		<i>For &gt;500, Deduct</i>	-2.64
05 05 23 00-0202	EA	9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.91
		<i>For &gt;100 To 250, Deduct</i>	-1.80
		<i>For &gt;250 To 500, Deduct</i>	-2.25
		<i>For &gt;500, Deduct</i>	-2.70
05 05 23 00-0203	EA	9/16" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.23
		<i>For &gt;100 To 250, Deduct</i>	-1.80
		<i>For &gt;250 To 500, Deduct</i>	-2.25
		<i>For &gt;500, Deduct</i>	-2.70
05 05 23 00-0204	EA	9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.44
		<i>For &gt;100 To 250, Deduct</i>	-1.80
		<i>For &gt;250 To 500, Deduct</i>	-2.25
		<i>For &gt;500, Deduct</i>	-2.70
05 05 23 00-0205	EA	9/16" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.76
		<i>For &gt;100 To 250, Deduct</i>	-1.80
		<i>For &gt;250 To 500, Deduct</i>	-2.25
		<i>For &gt;500, Deduct</i>	-2.70

 05 05 23 00-0206 5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <sup>105 05</sup>

05 05 23 00-0207	EA	5/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.25
		<i>For &gt;100 To 250, Deduct</i>	-1.80
		<i>For &gt;250 To 500, Deduct</i>	-2.25
		<i>For &gt;500, Deduct</i>	-2.70
05 05 23 00-0208	EA	5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.40
		<i>For &gt;100 To 250, Deduct</i>	-1.80
		<i>For &gt;250 To 500, Deduct</i>	-2.25
		<i>For &gt;500, Deduct</i>	-2.70
05 05 23 00-0209	EA	5/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.60
		<i>For &gt;100 To 250, Deduct</i>	-1.80
		<i>For &gt;250 To 500, Deduct</i>	-2.25
		<i>For &gt;500, Deduct</i>	-2.70
05 05 23 00-0210	EA	5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.07
		<i>For &gt;100 To 250, Deduct</i>	-1.84
		<i>For &gt;250 To 500, Deduct</i>	-2.30
		<i>For &gt;500, Deduct</i>	-2.76
05 05 23 00-0211	EA	5/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.36
		<i>For &gt;100 To 250, Deduct</i>	-1.84
		<i>For &gt;250 To 500, Deduct</i>	-2.30
		<i>For &gt;500, Deduct</i>	-2.76
05 05 23 00-0212	EA	5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.73
		<i>For &gt;100 To 250, Deduct</i>	-1.84
		<i>For &gt;250 To 500, Deduct</i>	-2.30
		<i>For &gt;500, Deduct</i>	-2.76
05 05 23 00-0213	EA	5/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.40
		<i>For &gt;100 To 250, Deduct</i>	-1.88
		<i>For &gt;250 To 500, Deduct</i>	-2.35
		<i>For &gt;500, Deduct</i>	-2.82
05 05 23 00-0214	EA	5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.96
		<i>For &gt;100 To 250, Deduct</i>	-1.88
		<i>For &gt;250 To 500, Deduct</i>	-2.35
		<i>For &gt;500, Deduct</i>	-2.82
05 05 23 00-0215	EA	5/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.40
		<i>For &gt;100 To 250, Deduct</i>	-1.88
		<i>For &gt;250 To 500, Deduct</i>	-2.35
		<i>For &gt;500, Deduct</i>	-2.82
05 05 23 00-0216	EA	5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.78
		<i>For &gt;100 To 250, Deduct</i>	-1.92
		<i>For &gt;250 To 500, Deduct</i>	-2.40
		<i>For &gt;500, Deduct</i>	-2.88
05 05 23 00-0217	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.84
		<i>For &gt;100 To 250, Deduct</i>	-1.92
		<i>For &gt;250 To 500, Deduct</i>	-2.40
		<i>For &gt;500, Deduct</i>	-2.88



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0218	EA		5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.59	
			<i>For &gt;100 To 250, Deduct</i>	-1.92	
			<i>For &gt;250 To 500, Deduct</i>	-2.40	
			<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0219	EA		5/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.21	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0220	EA		5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.80	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0221	EA		5/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.50	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0222	EA		5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.43	
			<i>For &gt;100 To 250, Deduct</i>	-2.00	
			<i>For &gt;250 To 500, Deduct</i>	-2.50	
			<i>For &gt;500, Deduct</i>	-2.99	
05 05 23 00-0223	EA		5/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.11	
			<i>For &gt;100 To 250, Deduct</i>	-2.00	
			<i>For &gt;250 To 500, Deduct</i>	-2.50	
			<i>For &gt;500, Deduct</i>	-2.99	
05 05 23 00-0224	EA		5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.80	
			<i>For &gt;100 To 250, Deduct</i>	-2.00	
			<i>For &gt;250 To 500, Deduct</i>	-2.50	
			<i>For &gt;500, Deduct</i>	-2.99	
05 05 23 00-0225	EA		5/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.34	
			<i>For &gt;100 To 250, Deduct</i>	-2.00	
			<i>For &gt;250 To 500, Deduct</i>	-2.50	
			<i>For &gt;500, Deduct</i>	-2.99	
05 05 23 00-0226			<b>3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05)</small></b>		
			<small>23 00-0098</small>		
05 05 23 00-0227	EA		3/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.75	
			<i>For &gt;100 To 250, Deduct</i>	-1.80	
			<i>For &gt;250 To 500, Deduct</i>	-2.25	
			<i>For &gt;500, Deduct</i>	-2.70	
05 05 23 00-0228	EA		3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.07	
			<i>For &gt;100 To 250, Deduct</i>	-1.80	
			<i>For &gt;250 To 500, Deduct</i>	-2.25	
			<i>For &gt;500, Deduct</i>	-2.70	
05 05 23 00-0229	EA		3/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.35	
			<i>For &gt;100 To 250, Deduct</i>	-1.80	
			<i>For &gt;250 To 500, Deduct</i>	-2.25	
			<i>For &gt;500, Deduct</i>	-2.70	
05 05 23 00-0230	EA		3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.90	
			<i>For &gt;100 To 250, Deduct</i>	-1.84	
			<i>For &gt;250 To 500, Deduct</i>	-2.30	
			<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0231	EA		3/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.34	
			<i>For &gt;100 To 250, Deduct</i>	-1.84	
			<i>For &gt;250 To 500, Deduct</i>	-2.30	
			<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0232	EA		3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.72	
			<i>For &gt;100 To 250, Deduct</i>	-1.84	
			<i>For &gt;250 To 500, Deduct</i>	-2.30	
			<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0233	EA		3/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.34	
			<i>For &gt;100 To 250, Deduct</i>	-1.88	
			<i>For &gt;250 To 500, Deduct</i>	-2.35	
			<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0234	EA		3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.88	
			<i>For &gt;100 To 250, Deduct</i>	-1.88	
			<i>For &gt;250 To 500, Deduct</i>	-2.35	
			<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0235	EA		3/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.30	
			<i>For &gt;100 To 250, Deduct</i>	-1.88	
			<i>For &gt;250 To 500, Deduct</i>	-2.35	
			<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0236	EA		3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.38	
			<i>For &gt;100 To 250, Deduct</i>	-1.92	
			<i>For &gt;250 To 500, Deduct</i>	-2.40	
			<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0237	EA		3/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.73	
			<i>For &gt;100 To 250, Deduct</i>	-1.92	
			<i>For &gt;250 To 500, Deduct</i>	-2.40	
			<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0238	EA		3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.39	
			<i>For &gt;100 To 250, Deduct</i>	-1.92	
			<i>For &gt;250 To 500, Deduct</i>	-2.40	
			<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0239	EA		3/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.64	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	

## 05 Metals

## 05 05 Common Work Results for Metals

## 05 05 23 Metal Fastenings

 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

05 05 23 00-0240	EA	3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.19	
		<i>For &gt;100 To 250, Deduct</i>	-1.96	
		<i>For &gt;250 To 500, Deduct</i>	-2.45	
		<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0241	EA	3/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.91	
		<i>For &gt;100 To 250, Deduct</i>	-1.96	
		<i>For &gt;250 To 500, Deduct</i>	-2.45	
		<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0242	EA	3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.05	
		<i>For &gt;100 To 250, Deduct</i>	-2.00	
		<i>For &gt;250 To 500, Deduct</i>	-2.50	
		<i>For &gt;500, Deduct</i>	-2.99	
05 05 23 00-0243	EA	3/4" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.77	
		<i>For &gt;100 To 250, Deduct</i>	-2.00	
		<i>For &gt;250 To 500, Deduct</i>	-2.50	
		<i>For &gt;500, Deduct</i>	-2.99	
05 05 23 00-0244	EA	3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.73	
		<i>For &gt;100 To 250, Deduct</i>	-2.00	
		<i>For &gt;250 To 500, Deduct</i>	-2.50	
		<i>For &gt;500, Deduct</i>	-2.99	
05 05 23 00-0245	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.66	
		<i>For &gt;100 To 250, Deduct</i>	-2.00	
		<i>For &gt;250 To 500, Deduct</i>	-2.50	
		<i>For &gt;500, Deduct</i>	-2.99	
<b>05 05 23 00-0246</b>		<b>7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small></b>		
05 05 23 00-0247	EA	7/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.37	
		<i>For &gt;100 To 250, Deduct</i>	-2.00	
		<i>For &gt;250 To 500, Deduct</i>	-2.50	
		<i>For &gt;500, Deduct</i>	-2.99	
05 05 23 00-0248	EA	7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.62	
		<i>For &gt;100 To 250, Deduct</i>	-2.00	
		<i>For &gt;250 To 500, Deduct</i>	-2.50	
		<i>For &gt;500, Deduct</i>	-2.99	
05 05 23 00-0249	EA	7/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.75	
		<i>For &gt;100 To 250, Deduct</i>	-2.00	
		<i>For &gt;250 To 500, Deduct</i>	-2.50	
		<i>For &gt;500, Deduct</i>	-2.99	
05 05 23 00-0250	EA	7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.31	
		<i>For &gt;100 To 250, Deduct</i>	-2.04	
		<i>For &gt;250 To 500, Deduct</i>	-2.55	
		<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0251	EA	7/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.02	
		<i>For &gt;100 To 250, Deduct</i>	-2.04	
		<i>For &gt;250 To 500, Deduct</i>	-2.55	
		<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0252	EA	7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.84	
		<i>For &gt;100 To 250, Deduct</i>	-2.04	
		<i>For &gt;250 To 500, Deduct</i>	-2.55	
		<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0253	EA	7/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.73	
		<i>For &gt;100 To 250, Deduct</i>	-2.08	
		<i>For &gt;250 To 500, Deduct</i>	-2.60	
		<i>For &gt;500, Deduct</i>	-3.12	
05 05 23 00-0254	EA	7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.93	
		<i>For &gt;100 To 250, Deduct</i>	-2.08	
		<i>For &gt;250 To 500, Deduct</i>	-2.60	
		<i>For &gt;500, Deduct</i>	-3.12	
05 05 23 00-0255	EA	7/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.59	
		<i>For &gt;100 To 250, Deduct</i>	-2.08	
		<i>For &gt;250 To 500, Deduct</i>	-2.60	
		<i>For &gt;500, Deduct</i>	-3.12	
05 05 23 00-0256	EA	7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.31	
		<i>For &gt;100 To 250, Deduct</i>	-2.12	
		<i>For &gt;250 To 500, Deduct</i>	-2.65	
		<i>For &gt;500, Deduct</i>	-3.18	
05 05 23 00-0257	EA	7/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.71	
		<i>For &gt;100 To 250, Deduct</i>	-2.12	
		<i>For &gt;250 To 500, Deduct</i>	-2.65	
		<i>For &gt;500, Deduct</i>	-3.18	
05 05 23 00-0258	EA	7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.66	
		<i>For &gt;100 To 250, Deduct</i>	-2.12	
		<i>For &gt;250 To 500, Deduct</i>	-2.65	
		<i>For &gt;500, Deduct</i>	-3.18	
05 05 23 00-0259	EA	7/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.80	
		<i>For &gt;100 To 250, Deduct</i>	-2.16	
		<i>For &gt;250 To 500, Deduct</i>	-2.70	
		<i>For &gt;500, Deduct</i>	-3.24	
05 05 23 00-0260	EA	7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.76	
		<i>For &gt;100 To 250, Deduct</i>	-2.16	
		<i>For &gt;250 To 500, Deduct</i>	-2.70	
		<i>For &gt;500, Deduct</i>	-3.24	
05 05 23 00-0261	EA	7/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.71	
		<i>For &gt;100 To 250, Deduct</i>	-2.16	
		<i>For &gt;250 To 500, Deduct</i>	-2.70	
		<i>For &gt;500, Deduct</i>	-3.24	

	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0262	EA 7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....		24.80	
	For >100 To 250, Deduct		-2.20	
	For >250 To 500, Deduct		-2.75	
	For >500, Deduct		-3.30	
05 05 23 00-0263	EA 7/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....		25.80	
	For >100 To 250, Deduct		-2.20	
	For >250 To 500, Deduct		-2.75	
	For >500, Deduct		-3.30	
05 05 23 00-0264	EA 7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....		26.72	
	For >100 To 250, Deduct		-2.20	
	For >250 To 500, Deduct		-2.75	
	For >500, Deduct		-3.30	
05 05 23 00-0265	EA 7/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....		27.70	
	For >100 To 250, Deduct		-2.20	
	For >250 To 500, Deduct		-2.75	
	For >500, Deduct		-3.30	
<b>05 05 23 00-0266</b>	<b>1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0098)</b>			
05 05 23 00-0267	EA 1" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....		14.53	
	For >100 To 250, Deduct		-2.00	
	For >250 To 500, Deduct		-2.50	
	For >500, Deduct		-2.99	
05 05 23 00-0268	EA 1" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....		16.26	
	For >100 To 250, Deduct		-2.00	
	For >250 To 500, Deduct		-2.50	
	For >500, Deduct		-2.99	
05 05 23 00-0269	EA 1" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....		17.56	
	For >100 To 250, Deduct		-2.04	
	For >250 To 500, Deduct		-2.55	
	For >500, Deduct		-3.06	
05 05 23 00-0270	EA 1" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....		18.93	
	For >100 To 250, Deduct		-2.04	
	For >250 To 500, Deduct		-2.55	
	For >500, Deduct		-3.06	
05 05 23 00-0271	EA 1" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....		20.17	
	For >100 To 250, Deduct		-2.04	
	For >250 To 500, Deduct		-2.55	
	For >500, Deduct		-3.06	
05 05 23 00-0272	EA 1" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....		21.66	
	For >100 To 250, Deduct		-2.08	
	For >250 To 500, Deduct		-2.60	
	For >500, Deduct		-3.12	
05 05 23 00-0273	EA 1" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....		22.86	
	For >100 To 250, Deduct		-2.08	
	For >250 To 500, Deduct		-2.60	
	For >500, Deduct		-3.12	
05 05 23 00-0274	EA 1" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....		24.10	
	For >100 To 250, Deduct		-2.08	
	For >250 To 500, Deduct		-2.60	
	For >500, Deduct		-3.12	
05 05 23 00-0275	EA 1" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....		24.92	
	For >100 To 250, Deduct		-2.12	
	For >250 To 500, Deduct		-2.65	
	For >500, Deduct		-3.18	
05 05 23 00-0276	EA 1" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....		25.51	
	For >100 To 250, Deduct		-2.12	
	For >250 To 500, Deduct		-2.65	
	For >500, Deduct		-3.18	
05 05 23 00-0277	EA 1" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....		26.56	
	For >100 To 250, Deduct		-2.12	
	For >250 To 500, Deduct		-2.65	
	For >500, Deduct		-3.18	
05 05 23 00-0278	EA 1" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....		27.80	
	For >100 To 250, Deduct		-2.16	
	For >250 To 500, Deduct		-2.70	
	For >500, Deduct		-3.24	
05 05 23 00-0279	EA 1" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....		28.83	
	For >100 To 250, Deduct		-2.16	
	For >250 To 500, Deduct		-2.70	
	For >500, Deduct		-3.24	
05 05 23 00-0280	EA 1" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....		29.90	
	For >100 To 250, Deduct		-2.16	
	For >250 To 500, Deduct		-2.70	
	For >500, Deduct		-3.24	
05 05 23 00-0281	EA 1" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....		30.97	
	For >100 To 250, Deduct		-2.20	
	For >250 To 500, Deduct		-2.75	
	For >500, Deduct		-3.30	
05 05 23 00-0282	EA 1" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....		32.18	
	For >100 To 250, Deduct		-2.20	
	For >250 To 500, Deduct		-2.75	
	For >500, Deduct		-3.30	
05 05 23 00-0283	EA 1" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....		33.25	
	For >100 To 250, Deduct		-2.20	
	For >250 To 500, Deduct		-2.75	
	For >500, Deduct		-3.30	

## 05 Metals

## 05 05 Common Work Results for Metals

## 05 05 23 Metal Fastenings

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 23 00-0284	EA 1" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	34.34	
	For >100 To 250, Deduct	-2.20	
	For >250 To 500, Deduct	-2.75	
	For >500, Deduct	-3.30	
05 05 23 00-0285	Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0097)		
05 05 23 00-0286	1/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)		
05 05 23 00-0287	EA 1/4" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.18	
	For >100 To 250, Deduct	-1.40	
	For >250 To 500, Deduct	-1.75	
	For >500, Deduct	-2.10	
05 05 23 00-0288	EA 1/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.23	
	For >100 To 250, Deduct	-1.40	
	For >250 To 500, Deduct	-1.75	
	For >500, Deduct	-2.10	
05 05 23 00-0289	EA 1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.28	
	For >100 To 250, Deduct	-1.40	
	For >250 To 500, Deduct	-1.75	
	For >500, Deduct	-2.10	
05 05 23 00-0290	EA 1/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.37	
	For >100 To 250, Deduct	-1.40	
	For >250 To 500, Deduct	-1.75	
	For >500, Deduct	-2.10	
05 05 23 00-0291	EA 1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.66	
	For >100 To 250, Deduct	-1.44	
	For >250 To 500, Deduct	-1.80	
	For >500, Deduct	-2.16	
05 05 23 00-0292	EA 1/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.82	
	For >100 To 250, Deduct	-1.44	
	For >250 To 500, Deduct	-1.80	
	For >500, Deduct	-2.16	
05 05 23 00-0293	EA 1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.00	
	For >100 To 250, Deduct	-1.44	
	For >250 To 500, Deduct	-1.80	
	For >500, Deduct	-2.16	
05 05 23 00-0294	EA 1/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.33	
	For >100 To 250, Deduct	-1.48	
	For >250 To 500, Deduct	-1.85	
	For >500, Deduct	-2.22	
05 05 23 00-0295	EA 1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.55	
	For >100 To 250, Deduct	-1.48	
	For >250 To 500, Deduct	-1.85	
	For >500, Deduct	-2.22	
05 05 23 00-0296	EA 1/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.70	
	For >100 To 250, Deduct	-1.48	
	For >250 To 500, Deduct	-1.85	
	For >500, Deduct	-2.22	
05 05 23 00-0297	EA 1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.06	
	For >100 To 250, Deduct	-1.52	
	For >250 To 500, Deduct	-1.90	
	For >500, Deduct	-2.28	
05 05 23 00-0298	EA 1/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.20	
	For >100 To 250, Deduct	-1.52	
	For >250 To 500, Deduct	-1.90	
	For >500, Deduct	-2.28	
05 05 23 00-0299	EA 1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.34	
	For >100 To 250, Deduct	-1.52	
	For >250 To 500, Deduct	-1.90	
	For >500, Deduct	-2.28	
05 05 23 00-0300	EA 1/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.72	
	For >100 To 250, Deduct	-1.56	
	For >250 To 500, Deduct	-1.95	
	For >500, Deduct	-2.34	
05 05 23 00-0301	EA 1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.92	
	For >100 To 250, Deduct	-1.56	
	For >250 To 500, Deduct	-1.95	
	For >500, Deduct	-2.34	
05 05 23 00-0302	EA 1/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.12	
	For >100 To 250, Deduct	-1.56	
	For >250 To 500, Deduct	-1.95	
	For >500, Deduct	-2.34	
05 05 23 00-0303	5/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)		
05 05 23 00-0304	EA 5/16" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.28	
	For >100 To 250, Deduct	-1.40	
	For >250 To 500, Deduct	-1.75	
	For >500, Deduct	-2.10	
05 05 23 00-0305	EA 5/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.32	
	For >100 To 250, Deduct	-1.40	
	For >250 To 500, Deduct	-1.75	
	For >500, Deduct	-2.10	
05 05 23 00-0306	EA 5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.39	
	For >100 To 250, Deduct	-1.40	
	For >250 To 500, Deduct	-1.75	
	For >500, Deduct	-2.10	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 05 23 00-0307	EA	5/16"	Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.52	
			<i>For &gt;100 To 250, Deduct</i>	-1.40	
			<i>For &gt;250 To 500, Deduct</i>	-1.75	
			<i>For &gt;500, Deduct</i>	-2.10	
05 05 23 00-0308	EA	5/16"	Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.81	
			<i>For &gt;100 To 250, Deduct</i>	-1.44	
			<i>For &gt;250 To 500, Deduct</i>	-1.80	
			<i>For &gt;500, Deduct</i>	-2.16	
05 05 23 00-0309	EA	5/16"	Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.96	
			<i>For &gt;100 To 250, Deduct</i>	-1.44	
			<i>For &gt;250 To 500, Deduct</i>	-1.80	
			<i>For &gt;500, Deduct</i>	-2.16	
05 05 23 00-0310	EA	5/16"	Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.24	
			<i>For &gt;100 To 250, Deduct</i>	-1.44	
			<i>For &gt;250 To 500, Deduct</i>	-1.80	
			<i>For &gt;500, Deduct</i>	-2.16	
05 05 23 00-0311	EA	5/16"	Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.57	
			<i>For &gt;100 To 250, Deduct</i>	-1.48	
			<i>For &gt;250 To 500, Deduct</i>	-1.85	
			<i>For &gt;500, Deduct</i>	-2.22	
05 05 23 00-0312	EA	5/16"	Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.78	
			<i>For &gt;100 To 250, Deduct</i>	-1.48	
			<i>For &gt;250 To 500, Deduct</i>	-1.85	
			<i>For &gt;500, Deduct</i>	-2.22	
05 05 23 00-0313	EA	5/16"	Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.99	
			<i>For &gt;100 To 250, Deduct</i>	-1.48	
			<i>For &gt;250 To 500, Deduct</i>	-1.85	
			<i>For &gt;500, Deduct</i>	-2.22	
05 05 23 00-0314	EA	5/16"	Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.58	
			<i>For &gt;100 To 250, Deduct</i>	-1.52	
			<i>For &gt;250 To 500, Deduct</i>	-1.90	
			<i>For &gt;500, Deduct</i>	-2.28	
05 05 23 00-0315	EA	5/16"	Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.65	
			<i>For &gt;100 To 250, Deduct</i>	-1.52	
			<i>For &gt;250 To 500, Deduct</i>	-1.90	
			<i>For &gt;500, Deduct</i>	-2.28	
05 05 23 00-0316	EA	5/16"	Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.92	
			<i>For &gt;100 To 250, Deduct</i>	-1.52	
			<i>For &gt;250 To 500, Deduct</i>	-1.90	
			<i>For &gt;500, Deduct</i>	-2.28	
05 05 23 00-0317	EA	5/16"	Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.47	
			<i>For &gt;100 To 250, Deduct</i>	-1.56	
			<i>For &gt;250 To 500, Deduct</i>	-1.95	
			<i>For &gt;500, Deduct</i>	-2.34	
05 05 23 00-0318	EA	5/16"	Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.84	
			<i>For &gt;100 To 250, Deduct</i>	-1.56	
			<i>For &gt;250 To 500, Deduct</i>	-1.95	
			<i>For &gt;500, Deduct</i>	-2.34	
05 05 23 00-0319	EA	5/16"	Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.19	
			<i>For &gt;100 To 250, Deduct</i>	-1.56	
			<i>For &gt;250 To 500, Deduct</i>	-1.95	
			<i>For &gt;500, Deduct</i>	-2.34	

**05 05 23 00-0320 3/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)**

05 05 23 00-0321	EA	3/8"	Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.35	
			<i>For &gt;100 To 250, Deduct</i>	-1.40	
			<i>For &gt;250 To 500, Deduct</i>	-1.75	
			<i>For &gt;500, Deduct</i>	-2.10	
05 05 23 00-0322	EA	3/8"	Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.38	
			<i>For &gt;100 To 250, Deduct</i>	-1.40	
			<i>For &gt;250 To 500, Deduct</i>	-1.75	
			<i>For &gt;500, Deduct</i>	-2.10	
05 05 23 00-0323	EA	3/8"	Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.50	
			<i>For &gt;100 To 250, Deduct</i>	-1.40	
			<i>For &gt;250 To 500, Deduct</i>	-1.75	
			<i>For &gt;500, Deduct</i>	-2.10	
05 05 23 00-0324	EA	3/8"	Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.63	
			<i>For &gt;100 To 250, Deduct</i>	-1.40	
			<i>For &gt;250 To 500, Deduct</i>	-1.75	
			<i>For &gt;500, Deduct</i>	-2.10	
05 05 23 00-0325	EA	3/8"	Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.97	
			<i>For &gt;100 To 250, Deduct</i>	-1.44	
			<i>For &gt;250 To 500, Deduct</i>	-1.80	
			<i>For &gt;500, Deduct</i>	-2.16	
05 05 23 00-0326	EA	3/8"	Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.13	
			<i>For &gt;100 To 250, Deduct</i>	-1.44	
			<i>For &gt;250 To 500, Deduct</i>	-1.80	
			<i>For &gt;500, Deduct</i>	-2.16	
05 05 23 00-0327	EA	3/8"	Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.36	
			<i>For &gt;100 To 250, Deduct</i>	-1.44	
			<i>For &gt;250 To 500, Deduct</i>	-1.80	
			<i>For &gt;500, Deduct</i>	-2.16	
05 05 23 00-0328	EA	3/8"	Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.82	
			<i>For &gt;100 To 250, Deduct</i>	-1.48	
			<i>For &gt;250 To 500, Deduct</i>	-1.85	
			<i>For &gt;500, Deduct</i>	-2.22	

## 05 Metals

## 05 05 Common Work Results for Metals

## 05 05 23 Metal Fastenings

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 05 23 00-0329	EA	3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.38	
		<i>For &gt;100 To 250, Deduct</i>	-1.48	
		<i>For &gt;250 To 500, Deduct</i>	-1.85	
		<i>For &gt;500, Deduct</i>	-2.22	
05 05 23 00-0330	EA	3/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.63	
		<i>For &gt;100 To 250, Deduct</i>	-1.48	
		<i>For &gt;250 To 500, Deduct</i>	-1.85	
		<i>For &gt;500, Deduct</i>	-2.22	
05 05 23 00-0331	EA	3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.17	
		<i>For &gt;100 To 250, Deduct</i>	-1.52	
		<i>For &gt;250 To 500, Deduct</i>	-1.90	
		<i>For &gt;500, Deduct</i>	-2.28	
05 05 23 00-0332	EA	3/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.41	
		<i>For &gt;100 To 250, Deduct</i>	-1.52	
		<i>For &gt;250 To 500, Deduct</i>	-1.90	
		<i>For &gt;500, Deduct</i>	-2.28	
05 05 23 00-0333	EA	3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.84	
		<i>For &gt;100 To 250, Deduct</i>	-1.52	
		<i>For &gt;250 To 500, Deduct</i>	-1.90	
		<i>For &gt;500, Deduct</i>	-2.28	
05 05 23 00-0334	EA	3/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.35	
		<i>For &gt;100 To 250, Deduct</i>	-1.56	
		<i>For &gt;250 To 500, Deduct</i>	-1.95	
		<i>For &gt;500, Deduct</i>	-2.34	
05 05 23 00-0335	EA	3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.91	
		<i>For &gt;100 To 250, Deduct</i>	-1.56	
		<i>For &gt;250 To 500, Deduct</i>	-1.95	
		<i>For &gt;500, Deduct</i>	-2.34	
05 05 23 00-0336	EA	3/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.36	
		<i>For &gt;100 To 250, Deduct</i>	-1.56	
		<i>For &gt;250 To 500, Deduct</i>	-1.95	
		<i>For &gt;500, Deduct</i>	-2.34	
05 05 23 00-0337		<b>7/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts</b> <small>(05 05 23 00-0285)</small>		
05 05 23 00-0338	EA	7/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.59	
		<i>For &gt;100 To 250, Deduct</i>	-1.60	
		<i>For &gt;250 To 500, Deduct</i>	-2.00	
		<i>For &gt;500, Deduct</i>	-2.40	
05 05 23 00-0339	EA	7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.71	
		<i>For &gt;100 To 250, Deduct</i>	-1.60	
		<i>For &gt;250 To 500, Deduct</i>	-2.00	
		<i>For &gt;500, Deduct</i>	-2.40	
05 05 23 00-0340	EA	7/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.00	
		<i>For &gt;100 To 250, Deduct</i>	-1.60	
		<i>For &gt;250 To 500, Deduct</i>	-2.00	
		<i>For &gt;500, Deduct</i>	-2.40	
05 05 23 00-0341	EA	7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.42	
		<i>For &gt;100 To 250, Deduct</i>	-1.64	
		<i>For &gt;250 To 500, Deduct</i>	-2.05	
		<i>For &gt;500, Deduct</i>	-2.46	
05 05 23 00-0342	EA	7/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.63	
		<i>For &gt;100 To 250, Deduct</i>	-1.64	
		<i>For &gt;250 To 500, Deduct</i>	-2.05	
		<i>For &gt;500, Deduct</i>	-2.46	
05 05 23 00-0343	EA	7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.83	
		<i>For &gt;100 To 250, Deduct</i>	-1.64	
		<i>For &gt;250 To 500, Deduct</i>	-2.05	
		<i>For &gt;500, Deduct</i>	-2.46	
05 05 23 00-0344	EA	7/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.28	
		<i>For &gt;100 To 250, Deduct</i>	-1.68	
		<i>For &gt;250 To 500, Deduct</i>	-2.10	
		<i>For &gt;500, Deduct</i>	-2.52	
05 05 23 00-0345	EA	7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.40	
		<i>For &gt;100 To 250, Deduct</i>	-1.68	
		<i>For &gt;250 To 500, Deduct</i>	-2.10	
		<i>For &gt;500, Deduct</i>	-2.52	
05 05 23 00-0346	EA	7/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.89	
		<i>For &gt;100 To 250, Deduct</i>	-1.68	
		<i>For &gt;250 To 500, Deduct</i>	-2.10	
		<i>For &gt;500, Deduct</i>	-2.52	
05 05 23 00-0347	EA	7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.26	
		<i>For &gt;100 To 250, Deduct</i>	-1.72	
		<i>For &gt;250 To 500, Deduct</i>	-2.15	
		<i>For &gt;500, Deduct</i>	-2.58	
05 05 23 00-0348	EA	7/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.48	
		<i>For &gt;100 To 250, Deduct</i>	-1.72	
		<i>For &gt;250 To 500, Deduct</i>	-2.15	
		<i>For &gt;500, Deduct</i>	-2.58	
05 05 23 00-0349	EA	7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.72	
		<i>For &gt;100 To 250, Deduct</i>	-1.72	
		<i>For &gt;250 To 500, Deduct</i>	-2.15	
		<i>For &gt;500, Deduct</i>	-2.58	
05 05 23 00-0350	EA	7/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.24	
		<i>For &gt;100 To 250, Deduct</i>	-1.76	
		<i>For &gt;250 To 500, Deduct</i>	-2.20	
		<i>For &gt;500, Deduct</i>	-2.64	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0351	EA	7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.56	
		For >100 To 250, Deduct	-1.76	
		For >250 To 500, Deduct	-2.20	
		For >500, Deduct	-2.64	
05 05 23 00-0352	EA	7/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.89	
		For >100 To 250, Deduct	-1.76	
		For >250 To 500, Deduct	-2.20	
		For >500, Deduct	-2.64	
<b>05 05 23 00-0353</b>		<b>1/2" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small></b>		
05 05 23 00-0354	EA	1/2" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.74	
		For >100 To 250, Deduct	-1.60	
		For >250 To 500, Deduct	-2.00	
		For >500, Deduct	-2.40	
05 05 23 00-0355	EA	1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.90	
		For >100 To 250, Deduct	-1.60	
		For >250 To 500, Deduct	-2.00	
		For >500, Deduct	-2.40	
05 05 23 00-0356	EA	1/2" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.06	
		For >100 To 250, Deduct	-1.60	
		For >250 To 500, Deduct	-2.00	
		For >500, Deduct	-2.40	
05 05 23 00-0357	EA	1/2" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.53	
		For >100 To 250, Deduct	-1.64	
		For >250 To 500, Deduct	-2.05	
		For >500, Deduct	-2.46	
05 05 23 00-0358	EA	1/2" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.79	
		For >100 To 250, Deduct	-1.64	
		For >250 To 500, Deduct	-2.05	
		For >500, Deduct	-2.46	
05 05 23 00-0359	EA	1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.05	
		For >100 To 250, Deduct	-1.64	
		For >250 To 500, Deduct	-2.05	
		For >500, Deduct	-2.46	
05 05 23 00-0360	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.49	
		For >100 To 250, Deduct	-1.68	
		For >250 To 500, Deduct	-2.10	
		For >500, Deduct	-2.52	
05 05 23 00-0361	EA	1/2" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.37	
		For >100 To 250, Deduct	-1.68	
		For >250 To 500, Deduct	-2.10	
		For >500, Deduct	-2.52	
05 05 23 00-0362	EA	1/2" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.43	
		For >100 To 250, Deduct	-1.68	
		For >250 To 500, Deduct	-2.10	
		For >500, Deduct	-2.52	
05 05 23 00-0363	EA	1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.23	
		For >100 To 250, Deduct	-1.72	
		For >250 To 500, Deduct	-2.15	
		For >500, Deduct	-2.58	
05 05 23 00-0364	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.57	
		For >100 To 250, Deduct	-1.72	
		For >250 To 500, Deduct	-2.15	
		For >500, Deduct	-2.58	
05 05 23 00-0365	EA	1/2" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.44	
		For >100 To 250, Deduct	-1.72	
		For >250 To 500, Deduct	-2.15	
		For >500, Deduct	-2.58	
05 05 23 00-0366	EA	1/2" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.42	
		For >100 To 250, Deduct	-1.76	
		For >250 To 500, Deduct	-2.20	
		For >500, Deduct	-2.64	
05 05 23 00-0367	EA	1/2" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.92	
		For >100 To 250, Deduct	-1.76	
		For >250 To 500, Deduct	-2.20	
		For >500, Deduct	-2.64	
05 05 23 00-0368	EA	1/2" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.10	
		For >100 To 250, Deduct	-1.76	
		For >250 To 500, Deduct	-2.20	
		For >500, Deduct	-2.64	
05 05 23 00-0369	EA	1/2" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.20	
		For >100 To 250, Deduct	-1.80	
		For >250 To 500, Deduct	-2.25	
		For >500, Deduct	-2.70	
05 05 23 00-0370	EA	1/2" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	17.07	
		For >100 To 250, Deduct	-1.80	
		For >250 To 500, Deduct	-2.25	
		For >500, Deduct	-2.70	
05 05 23 00-0371	EA	1/2" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	18.28	
		For >100 To 250, Deduct	-1.80	
		For >250 To 500, Deduct	-2.25	
		For >500, Deduct	-2.70	
05 05 23 00-0372	EA	1/2" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	18.75	
		For >100 To 250, Deduct	-1.80	
		For >250 To 500, Deduct	-2.25	
		For >500, Deduct	-2.70	
<b>05 05 23 00-0373</b>		<b>9/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small></b>		

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 05 23 00-0374	EA 9/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.22	
	<i>For &gt;100 To 250, Deduct</i>	-1.60	
	<i>For &gt;250 To 500, Deduct</i>	-2.00	
	<i>For &gt;500, Deduct</i>	-2.40	
05 05 23 00-0375	EA 9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.50	
	<i>For &gt;100 To 250, Deduct</i>	-1.60	
	<i>For &gt;250 To 500, Deduct</i>	-2.00	
	<i>For &gt;500, Deduct</i>	-2.40	
05 05 23 00-0376	EA 9/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.75	
	<i>For &gt;100 To 250, Deduct</i>	-1.60	
	<i>For &gt;250 To 500, Deduct</i>	-2.00	
	<i>For &gt;500, Deduct</i>	-2.40	
05 05 23 00-0377	EA 9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.24	
	<i>For &gt;100 To 250, Deduct</i>	-1.64	
	<i>For &gt;250 To 500, Deduct</i>	-2.05	
	<i>For &gt;500, Deduct</i>	-2.46	
05 05 23 00-0378	EA 9/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.59	
	<i>For &gt;100 To 250, Deduct</i>	-1.64	
	<i>For &gt;250 To 500, Deduct</i>	-2.05	
	<i>For &gt;500, Deduct</i>	-2.46	
05 05 23 00-0379	EA 9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.99	
	<i>For &gt;100 To 250, Deduct</i>	-1.64	
	<i>For &gt;250 To 500, Deduct</i>	-2.05	
	<i>For &gt;500, Deduct</i>	-2.46	
05 05 23 00-0380	EA 9/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.64	
	<i>For &gt;100 To 250, Deduct</i>	-1.68	
	<i>For &gt;250 To 500, Deduct</i>	-2.10	
	<i>For &gt;500, Deduct</i>	-2.52	
05 05 23 00-0381	EA 9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.16	
	<i>For &gt;100 To 250, Deduct</i>	-1.68	
	<i>For &gt;250 To 500, Deduct</i>	-2.10	
	<i>For &gt;500, Deduct</i>	-2.52	
05 05 23 00-0382	EA 9/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.56	
	<i>For &gt;100 To 250, Deduct</i>	-1.68	
	<i>For &gt;250 To 500, Deduct</i>	-2.10	
	<i>For &gt;500, Deduct</i>	-2.52	
05 05 23 00-0383	EA 9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.20	
	<i>For &gt;100 To 250, Deduct</i>	-1.72	
	<i>For &gt;250 To 500, Deduct</i>	-2.15	
	<i>For &gt;500, Deduct</i>	-2.58	
05 05 23 00-0384	EA 9/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.63	
	<i>For &gt;100 To 250, Deduct</i>	-1.72	
	<i>For &gt;250 To 500, Deduct</i>	-2.15	
	<i>For &gt;500, Deduct</i>	-2.58	
05 05 23 00-0385	EA 9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.04	
	<i>For &gt;100 To 250, Deduct</i>	-1.72	
	<i>For &gt;250 To 500, Deduct</i>	-2.15	
	<i>For &gt;500, Deduct</i>	-2.58	
05 05 23 00-0386	EA 9/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.97	
	<i>For &gt;100 To 250, Deduct</i>	-1.76	
	<i>For &gt;250 To 500, Deduct</i>	-2.20	
	<i>For &gt;500, Deduct</i>	-2.64	
05 05 23 00-0387	EA 9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.55	
	<i>For &gt;100 To 250, Deduct</i>	-1.76	
	<i>For &gt;250 To 500, Deduct</i>	-2.20	
	<i>For &gt;500, Deduct</i>	-2.64	
05 05 23 00-0388	EA 9/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.52	
	<i>For &gt;100 To 250, Deduct</i>	-1.76	
	<i>For &gt;250 To 500, Deduct</i>	-2.20	
	<i>For &gt;500, Deduct</i>	-2.64	
05 05 23 00-0389	EA 9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	20.64	
	<i>For &gt;100 To 250, Deduct</i>	-1.80	
	<i>For &gt;250 To 500, Deduct</i>	-2.25	
	<i>For &gt;500, Deduct</i>	-2.70	
05 05 23 00-0390	EA 9/16" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	20.99	
	<i>For &gt;100 To 250, Deduct</i>	-1.80	
	<i>For &gt;250 To 500, Deduct</i>	-2.25	
	<i>For &gt;500, Deduct</i>	-2.70	
05 05 23 00-0391	EA 9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.34	
	<i>For &gt;100 To 250, Deduct</i>	-1.80	
	<i>For &gt;250 To 500, Deduct</i>	-2.25	
	<i>For &gt;500, Deduct</i>	-2.70	
05 05 23 00-0392	EA 9/16" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	22.22	
	<i>For &gt;100 To 250, Deduct</i>	-1.80	
	<i>For &gt;250 To 500, Deduct</i>	-2.25	
	<i>For &gt;500, Deduct</i>	-2.70	
05 05 23 00-0393	<b>5/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts</b> (05 05 23 00-0285)		
05 05 23 00-0394	EA 5/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.51	
	<i>For &gt;100 To 250, Deduct</i>	-1.80	
	<i>For &gt;250 To 500, Deduct</i>	-2.25	
	<i>For &gt;500, Deduct</i>	-2.70	
05 05 23 00-0395	EA 5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.61	
	<i>For &gt;100 To 250, Deduct</i>	-1.80	
	<i>For &gt;250 To 500, Deduct</i>	-2.25	
	<i>For &gt;500, Deduct</i>	-2.70	



MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 05 23 00-0396	EA	5/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.70	
		<i>For &gt;100 To 250, Deduct</i>	-1.80	
		<i>For &gt;250 To 500, Deduct</i>	-2.25	
		<i>For &gt;500, Deduct</i>	-2.70	
05 05 23 00-0397	EA	5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.17	
		<i>For &gt;100 To 250, Deduct</i>	-1.84	
		<i>For &gt;250 To 500, Deduct</i>	-2.30	
		<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0398	EA	5/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.63	
		<i>For &gt;100 To 250, Deduct</i>	-1.84	
		<i>For &gt;250 To 500, Deduct</i>	-2.30	
		<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0399	EA	5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.06	
		<i>For &gt;100 To 250, Deduct</i>	-1.84	
		<i>For &gt;250 To 500, Deduct</i>	-2.30	
		<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0400	EA	5/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.69	
		<i>For &gt;100 To 250, Deduct</i>	-1.88	
		<i>For &gt;250 To 500, Deduct</i>	-2.35	
		<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0401	EA	5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.51	
		<i>For &gt;100 To 250, Deduct</i>	-1.88	
		<i>For &gt;250 To 500, Deduct</i>	-2.35	
		<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0402	EA	5/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.95	
		<i>For &gt;100 To 250, Deduct</i>	-1.88	
		<i>For &gt;250 To 500, Deduct</i>	-2.35	
		<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0403	EA	5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.38	
		<i>For &gt;100 To 250, Deduct</i>	-1.92	
		<i>For &gt;250 To 500, Deduct</i>	-2.40	
		<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0404	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.08	
		<i>For &gt;100 To 250, Deduct</i>	-1.92	
		<i>For &gt;250 To 500, Deduct</i>	-2.40	
		<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0405	EA	5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.20	
		<i>For &gt;100 To 250, Deduct</i>	-1.92	
		<i>For &gt;250 To 500, Deduct</i>	-2.40	
		<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0406	EA	5/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.41	
		<i>For &gt;100 To 250, Deduct</i>	-1.96	
		<i>For &gt;250 To 500, Deduct</i>	-2.45	
		<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0407	EA	5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.33	
		<i>For &gt;100 To 250, Deduct</i>	-1.96	
		<i>For &gt;250 To 500, Deduct</i>	-2.45	
		<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0408	EA	5/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.47	
		<i>For &gt;100 To 250, Deduct</i>	-1.96	
		<i>For &gt;250 To 500, Deduct</i>	-2.45	
		<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0409	EA	5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	20.33	
		<i>For &gt;100 To 250, Deduct</i>	-2.00	
		<i>For &gt;250 To 500, Deduct</i>	-2.50	
		<i>For &gt;500, Deduct</i>	-2.99	
05 05 23 00-0410	EA	5/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.57	
		<i>For &gt;100 To 250, Deduct</i>	-2.00	
		<i>For &gt;250 To 500, Deduct</i>	-2.50	
		<i>For &gt;500, Deduct</i>	-2.99	
05 05 23 00-0411	EA	5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	23.39	
		<i>For &gt;100 To 250, Deduct</i>	-2.00	
		<i>For &gt;250 To 500, Deduct</i>	-2.50	
		<i>For &gt;500, Deduct</i>	-2.99	
05 05 23 00-0412	EA	5/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	24.03	
		<i>For &gt;100 To 250, Deduct</i>	-2.00	
		<i>For &gt;250 To 500, Deduct</i>	-2.50	
		<i>For &gt;500, Deduct</i>	-2.99	
05 05 23 00-0413		<b>3/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts</b> <small>(05 05 23 00-0285)</small>		
05 05 23 00-0414	EA	3/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.56	
		<i>For &gt;100 To 250, Deduct</i>	-1.80	
		<i>For &gt;250 To 500, Deduct</i>	-2.25	
		<i>For &gt;500, Deduct</i>	-2.70	
05 05 23 00-0415	EA	3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.74	
		<i>For &gt;100 To 250, Deduct</i>	-1.80	
		<i>For &gt;250 To 500, Deduct</i>	-2.25	
		<i>For &gt;500, Deduct</i>	-2.70	
05 05 23 00-0416	EA	3/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.84	
		<i>For &gt;100 To 250, Deduct</i>	-1.80	
		<i>For &gt;250 To 500, Deduct</i>	-2.25	
		<i>For &gt;500, Deduct</i>	-2.70	
05 05 23 00-0417	EA	3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.44	
		<i>For &gt;100 To 250, Deduct</i>	-1.84	
		<i>For &gt;250 To 500, Deduct</i>	-2.30	
		<i>For &gt;500, Deduct</i>	-2.76	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

05 05 23 00-0418	EA	3/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.90	
		<i>For &gt;100 To 250, Deduct</i>	-1.84	
		<i>For &gt;250 To 500, Deduct</i>	-2.30	
		<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0419	EA	3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.61	
		<i>For &gt;100 To 250, Deduct</i>	-1.84	
		<i>For &gt;250 To 500, Deduct</i>	-2.30	
		<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0420	EA	3/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.29	
		<i>For &gt;100 To 250, Deduct</i>	-1.88	
		<i>For &gt;250 To 500, Deduct</i>	-2.35	
		<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0421	EA	3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.74	
		<i>For &gt;100 To 250, Deduct</i>	-1.88	
		<i>For &gt;250 To 500, Deduct</i>	-2.35	
		<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0422	EA	3/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.70	
		<i>For &gt;100 To 250, Deduct</i>	-1.88	
		<i>For &gt;250 To 500, Deduct</i>	-2.35	
		<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0423	EA	3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.34	
		<i>For &gt;100 To 250, Deduct</i>	-1.92	
		<i>For &gt;250 To 500, Deduct</i>	-2.40	
		<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0424	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.13	
		<i>For &gt;100 To 250, Deduct</i>	-1.92	
		<i>For &gt;250 To 500, Deduct</i>	-2.40	
		<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0425	EA	3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.09	
		<i>For &gt;100 To 250, Deduct</i>	-1.92	
		<i>For &gt;250 To 500, Deduct</i>	-2.40	
		<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0426	EA	3/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.66	
		<i>For &gt;100 To 250, Deduct</i>	-1.96	
		<i>For &gt;250 To 500, Deduct</i>	-2.45	
		<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0427	EA	3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	20.66	
		<i>For &gt;100 To 250, Deduct</i>	-1.96	
		<i>For &gt;250 To 500, Deduct</i>	-2.45	
		<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0428	EA	3/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.23	
		<i>For &gt;100 To 250, Deduct</i>	-1.96	
		<i>For &gt;250 To 500, Deduct</i>	-2.45	
		<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0429	EA	3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	22.91	
		<i>For &gt;100 To 250, Deduct</i>	-2.00	
		<i>For &gt;250 To 500, Deduct</i>	-2.50	
		<i>For &gt;500, Deduct</i>	-2.99	
05 05 23 00-0430	EA	3/4" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	23.42	
		<i>For &gt;100 To 250, Deduct</i>	-2.00	
		<i>For &gt;250 To 500, Deduct</i>	-2.50	
		<i>For &gt;500, Deduct</i>	-2.99	
05 05 23 00-0431	EA	3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	25.07	
		<i>For &gt;100 To 250, Deduct</i>	-2.00	
		<i>For &gt;250 To 500, Deduct</i>	-2.50	
		<i>For &gt;500, Deduct</i>	-2.99	
05 05 23 00-0432	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	25.48	
		<i>For &gt;100 To 250, Deduct</i>	-2.00	
		<i>For &gt;250 To 500, Deduct</i>	-2.50	
		<i>For &gt;500, Deduct</i>	-2.99	

**05 05 23 00-0433 7/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts** (05 05 23 00-0285)

05 05 23 00-0434	EA	7/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.86	
		<i>For &gt;100 To 250, Deduct</i>	-2.00	
		<i>For &gt;250 To 500, Deduct</i>	-2.50	
		<i>For &gt;500, Deduct</i>	-2.99	
05 05 23 00-0435	EA	7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.09	
		<i>For &gt;100 To 250, Deduct</i>	-2.00	
		<i>For &gt;250 To 500, Deduct</i>	-2.50	
		<i>For &gt;500, Deduct</i>	-2.99	
05 05 23 00-0436	EA	7/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.40	
		<i>For &gt;100 To 250, Deduct</i>	-2.00	
		<i>For &gt;250 To 500, Deduct</i>	-2.50	
		<i>For &gt;500, Deduct</i>	-2.99	
05 05 23 00-0437	EA	7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.92	
		<i>For &gt;100 To 250, Deduct</i>	-2.04	
		<i>For &gt;250 To 500, Deduct</i>	-2.55	
		<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0438	EA	7/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.85	
		<i>For &gt;100 To 250, Deduct</i>	-2.04	
		<i>For &gt;250 To 500, Deduct</i>	-2.55	
		<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0439	EA	7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.47	
		<i>For &gt;100 To 250, Deduct</i>	-2.04	
		<i>For &gt;250 To 500, Deduct</i>	-2.55	
		<i>For &gt;500, Deduct</i>	-3.06	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 05 23 00-0440	EA	7/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	17.14	
		For >100 To 250, Deduct	-2.08	
		For >250 To 500, Deduct	-2.60	
		For >500, Deduct	-3.12	
05 05 23 00-0441	EA	7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	18.24	
		For >100 To 250, Deduct	-2.08	
		For >250 To 500, Deduct	-2.60	
		For >500, Deduct	-3.12	
05 05 23 00-0442	EA	7/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	19.07	
		For >100 To 250, Deduct	-2.08	
		For >250 To 500, Deduct	-2.60	
		For >500, Deduct	-3.12	
05 05 23 00-0443	EA	7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	19.67	
		For >100 To 250, Deduct	-2.12	
		For >250 To 500, Deduct	-2.65	
		For >500, Deduct	-3.18	
05 05 23 00-0444	EA	7/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	20.36	
		For >100 To 250, Deduct	-2.12	
		For >250 To 500, Deduct	-2.65	
		For >500, Deduct	-3.18	
05 05 23 00-0445	EA	7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	23.32	
		For >100 To 250, Deduct	-2.12	
		For >250 To 500, Deduct	-2.65	
		For >500, Deduct	-3.18	
05 05 23 00-0446	EA	7/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	24.58	
		For >100 To 250, Deduct	-2.16	
		For >250 To 500, Deduct	-2.70	
		For >500, Deduct	-3.24	
05 05 23 00-0447	EA	7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	25.88	
		For >100 To 250, Deduct	-2.16	
		For >250 To 500, Deduct	-2.70	
		For >500, Deduct	-3.24	
05 05 23 00-0448	EA	7/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	25.97	
		For >100 To 250, Deduct	-2.16	
		For >250 To 500, Deduct	-2.70	
		For >500, Deduct	-3.24	
05 05 23 00-0449	EA	7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	28.04	
		For >100 To 250, Deduct	-2.20	
		For >250 To 500, Deduct	-2.75	
		For >500, Deduct	-3.30	
05 05 23 00-0450	EA	7/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	29.31	
		For >100 To 250, Deduct	-2.20	
		For >250 To 500, Deduct	-2.75	
		For >500, Deduct	-3.30	
05 05 23 00-0451	EA	7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	30.40	
		For >100 To 250, Deduct	-2.20	
		For >250 To 500, Deduct	-2.75	
		For >500, Deduct	-3.30	
05 05 23 00-0452	EA	7/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	31.49	
		For >100 To 250, Deduct	-2.20	
		For >250 To 500, Deduct	-2.75	
		For >500, Deduct	-3.30	

**05 05 23 00-0453 1" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)**

05 05 23 00-0454	EA	1" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	15.94	
		For >100 To 250, Deduct	-2.00	
		For >250 To 500, Deduct	-2.50	
		For >500, Deduct	-2.99	
05 05 23 00-0455	EA	1" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	16.01	
		For >100 To 250, Deduct	-2.00	
		For >250 To 500, Deduct	-2.50	
		For >500, Deduct	-2.99	
05 05 23 00-0456	EA	1" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	16.91	
		For >100 To 250, Deduct	-2.04	
		For >250 To 500, Deduct	-2.55	
		For >500, Deduct	-3.06	
05 05 23 00-0457	EA	1" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	17.81	
		For >100 To 250, Deduct	-2.04	
		For >250 To 500, Deduct	-2.55	
		For >500, Deduct	-3.06	
05 05 23 00-0458	EA	1" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	18.48	
		For >100 To 250, Deduct	-2.04	
		For >250 To 500, Deduct	-2.55	
		For >500, Deduct	-3.06	
05 05 23 00-0459	EA	1" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	19.52	
		For >100 To 250, Deduct	-2.08	
		For >250 To 500, Deduct	-2.60	
		For >500, Deduct	-3.12	
05 05 23 00-0460	EA	1" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	20.58	
		For >100 To 250, Deduct	-2.08	
		For >250 To 500, Deduct	-2.60	
		For >500, Deduct	-3.12	
05 05 23 00-0461	EA	1" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	22.12	
		For >100 To 250, Deduct	-2.08	
		For >250 To 500, Deduct	-2.60	
		For >500, Deduct	-3.12	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 05 23 00-0462	EA	1" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	23.42
		<i>For &gt;100 To 250, Deduct</i>	-2.12
		<i>For &gt;250 To 500, Deduct</i>	-2.65
		<i>For &gt;500, Deduct</i>	-3.18
05 05 23 00-0463	EA	1" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	23.75
		<i>For &gt;100 To 250, Deduct</i>	-2.12
		<i>For &gt;250 To 500, Deduct</i>	-2.65
		<i>For &gt;500, Deduct</i>	-3.18
05 05 23 00-0464	EA	1" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	25.89
		<i>For &gt;100 To 250, Deduct</i>	-2.12
		<i>For &gt;250 To 500, Deduct</i>	-2.65
		<i>For &gt;500, Deduct</i>	-3.18
05 05 23 00-0465	EA	1" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	27.48
		<i>For &gt;100 To 250, Deduct</i>	-2.16
		<i>For &gt;250 To 500, Deduct</i>	-2.70
		<i>For &gt;500, Deduct</i>	-3.24
05 05 23 00-0466	EA	1" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	29.76
		<i>For &gt;100 To 250, Deduct</i>	-2.16
		<i>For &gt;250 To 500, Deduct</i>	-2.70
		<i>For &gt;500, Deduct</i>	-3.24
05 05 23 00-0467	EA	1" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	30.41
		<i>For &gt;100 To 250, Deduct</i>	-2.16
		<i>For &gt;250 To 500, Deduct</i>	-2.70
		<i>For &gt;500, Deduct</i>	-3.24
05 05 23 00-0468	EA	1" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	37.94
		<i>For &gt;100 To 250, Deduct</i>	-2.20
		<i>For &gt;250 To 500, Deduct</i>	-2.75
		<i>For &gt;500, Deduct</i>	-3.30
05 05 23 00-0469	EA	1" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	38.52
		<i>For &gt;100 To 250, Deduct</i>	-2.20
		<i>For &gt;250 To 500, Deduct</i>	-2.75
		<i>For &gt;500, Deduct</i>	-3.30
05 05 23 00-0470	EA	1" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	40.09
		<i>For &gt;100 To 250, Deduct</i>	-2.20
		<i>For &gt;250 To 500, Deduct</i>	-2.75
		<i>For &gt;500, Deduct</i>	-3.30
05 05 23 00-0471	EA	1" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	41.16
		<i>For &gt;100 To 250, Deduct</i>	-2.20
		<i>For &gt;250 To 500, Deduct</i>	-2.75
		<i>For &gt;500, Deduct</i>	-3.30

**05 05 23 00-0472 Zinc Plated Steel, Grade 8, Hex Head Bolts** (05 05 23 00-0097)**05 05 23 00-0473 1/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts** (05 05 23 00-0472)

05 05 23 00-0474	EA	1/4" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.21
		<i>For &gt;100 To 250, Deduct</i>	-1.40
		<i>For &gt;250 To 500, Deduct</i>	-1.75
		<i>For &gt;500, Deduct</i>	-2.10
05 05 23 00-0475	EA	1/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.31
		<i>For &gt;100 To 250, Deduct</i>	-1.40
		<i>For &gt;250 To 500, Deduct</i>	-1.75
		<i>For &gt;500, Deduct</i>	-2.10
05 05 23 00-0476	EA	1/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.37
		<i>For &gt;100 To 250, Deduct</i>	-1.40
		<i>For &gt;250 To 500, Deduct</i>	-1.75
		<i>For &gt;500, Deduct</i>	-2.10
05 05 23 00-0477	EA	1/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.49
		<i>For &gt;100 To 250, Deduct</i>	-1.40
		<i>For &gt;250 To 500, Deduct</i>	-1.75
		<i>For &gt;500, Deduct</i>	-2.10
05 05 23 00-0478	EA	1/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.76
		<i>For &gt;100 To 250, Deduct</i>	-1.44
		<i>For &gt;250 To 500, Deduct</i>	-1.80
		<i>For &gt;500, Deduct</i>	-2.16
05 05 23 00-0479	EA	1/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.89
		<i>For &gt;100 To 250, Deduct</i>	-1.44
		<i>For &gt;250 To 500, Deduct</i>	-1.80
		<i>For &gt;500, Deduct</i>	-2.16
05 05 23 00-0480	EA	1/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.02
		<i>For &gt;100 To 250, Deduct</i>	-1.44
		<i>For &gt;250 To 500, Deduct</i>	-1.80
		<i>For &gt;500, Deduct</i>	-2.16
05 05 23 00-0481	EA	1/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.21
		<i>For &gt;100 To 250, Deduct</i>	-1.48
		<i>For &gt;250 To 500, Deduct</i>	-1.85
		<i>For &gt;500, Deduct</i>	-2.22
05 05 23 00-0482	EA	1/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.57
		<i>For &gt;100 To 250, Deduct</i>	-1.48
		<i>For &gt;250 To 500, Deduct</i>	-1.85
		<i>For &gt;500, Deduct</i>	-2.22
05 05 23 00-0483	EA	1/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.90
		<i>For &gt;100 To 250, Deduct</i>	-1.48
		<i>For &gt;250 To 500, Deduct</i>	-1.85
		<i>For &gt;500, Deduct</i>	-2.22
05 05 23 00-0484	EA	1/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.27
		<i>For &gt;100 To 250, Deduct</i>	-1.52
		<i>For &gt;250 To 500, Deduct</i>	-1.90
		<i>For &gt;500, Deduct</i>	-2.28

	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0485	EA 1/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....		9.45	
	For >100 To 250, Deduct		-1.52	
	For >250 To 500, Deduct		-1.90	
	For >500, Deduct		-2.28	
05 05 23 00-0486	EA 1/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....		9.68	
	For >100 To 250, Deduct		-1.52	
	For >250 To 500, Deduct		-1.90	
	For >500, Deduct		-2.28	
05 05 23 00-0487	EA 1/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....		10.03	
	For >100 To 250, Deduct		-1.56	
	For >250 To 500, Deduct		-1.95	
	For >500, Deduct		-2.34	
05 05 23 00-0488	EA 1/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....		10.47	
	For >100 To 250, Deduct		-1.56	
	For >250 To 500, Deduct		-1.95	
	For >500, Deduct		-2.34	
05 05 23 00-0489	EA 1/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....		10.67	
	For >100 To 250, Deduct		-1.56	
	For >250 To 500, Deduct		-1.95	
	For >500, Deduct		-2.34	
<b>05 05 23 00-0490</b>	<b>5/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts</b> (05 05 23 00-0472)			
05 05 23 00-0491	EA 5/16" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....		7.30	
	For >100 To 250, Deduct		-1.40	
	For >250 To 500, Deduct		-1.75	
	For >500, Deduct		-2.10	
05 05 23 00-0492	EA 5/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....		7.37	
	For >100 To 250, Deduct		-1.40	
	For >250 To 500, Deduct		-1.75	
	For >500, Deduct		-2.10	
05 05 23 00-0493	EA 5/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....		7.58	
	For >100 To 250, Deduct		-1.40	
	For >250 To 500, Deduct		-1.75	
	For >500, Deduct		-2.10	
05 05 23 00-0494	EA 5/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....		7.62	
	For >100 To 250, Deduct		-1.40	
	For >250 To 500, Deduct		-1.75	
	For >500, Deduct		-2.10	
05 05 23 00-0495	EA 5/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....		7.94	
	For >100 To 250, Deduct		-1.44	
	For >250 To 500, Deduct		-1.80	
	For >500, Deduct		-2.16	
05 05 23 00-0496	EA 5/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....		8.25	
	For >100 To 250, Deduct		-1.44	
	For >250 To 500, Deduct		-1.80	
	For >500, Deduct		-2.16	
05 05 23 00-0497	EA 5/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....		8.34	
	For >100 To 250, Deduct		-1.44	
	For >250 To 500, Deduct		-1.80	
	For >500, Deduct		-2.16	
05 05 23 00-0498	EA 5/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....		8.72	
	For >100 To 250, Deduct		-1.48	
	For >250 To 500, Deduct		-1.85	
	For >500, Deduct		-2.22	
05 05 23 00-0499	EA 5/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....		8.91	
	For >100 To 250, Deduct		-1.48	
	For >250 To 500, Deduct		-1.85	
	For >500, Deduct		-2.22	
05 05 23 00-0500	EA 5/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....		9.37	
	For >100 To 250, Deduct		-1.48	
	For >250 To 500, Deduct		-1.85	
	For >500, Deduct		-2.22	
05 05 23 00-0501	EA 5/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....		9.83	
	For >100 To 250, Deduct		-1.52	
	For >250 To 500, Deduct		-1.90	
	For >500, Deduct		-2.28	
05 05 23 00-0502	EA 5/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....		10.00	
	For >100 To 250, Deduct		-1.52	
	For >250 To 500, Deduct		-1.90	
	For >500, Deduct		-2.28	
05 05 23 00-0503	EA 5/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....		10.27	
	For >100 To 250, Deduct		-1.52	
	For >250 To 500, Deduct		-1.90	
	For >500, Deduct		-2.28	
05 05 23 00-0504	EA 5/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....		10.66	
	For >100 To 250, Deduct		-1.56	
	For >250 To 500, Deduct		-1.95	
	For >500, Deduct		-2.34	
05 05 23 00-0505	EA 5/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....		10.85	
	For >100 To 250, Deduct		-1.56	
	For >250 To 500, Deduct		-1.95	
	For >500, Deduct		-2.34	
05 05 23 00-0506	EA 5/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....		11.23	
	For >100 To 250, Deduct		-1.56	
	For >250 To 500, Deduct		-1.95	
	For >500, Deduct		-2.34	
<b>05 05 23 00-0507</b>	<b>3/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts</b> (05 05 23 00-0472)			

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 05 23 00-0508	EA	3/8" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.53	
		<i>For &gt;100 To 250, Deduct</i>	-1.40	
		<i>For &gt;250 To 500, Deduct</i>	-1.75	
		<i>For &gt;500, Deduct</i>	-2.10	
05 05 23 00-0509	EA	3/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.55	
		<i>For &gt;100 To 250, Deduct</i>	-1.40	
		<i>For &gt;250 To 500, Deduct</i>	-1.75	
		<i>For &gt;500, Deduct</i>	-2.10	
05 05 23 00-0510	EA	3/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.57	
		<i>For &gt;100 To 250, Deduct</i>	-1.40	
		<i>For &gt;250 To 500, Deduct</i>	-1.75	
		<i>For &gt;500, Deduct</i>	-2.10	
05 05 23 00-0511	EA	3/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.81	
		<i>For &gt;100 To 250, Deduct</i>	-1.40	
		<i>For &gt;250 To 500, Deduct</i>	-1.75	
		<i>For &gt;500, Deduct</i>	-2.10	
05 05 23 00-0512	EA	3/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.16	
		<i>For &gt;100 To 250, Deduct</i>	-1.44	
		<i>For &gt;250 To 500, Deduct</i>	-1.80	
		<i>For &gt;500, Deduct</i>	-2.16	
05 05 23 00-0513	EA	3/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.41	
		<i>For &gt;100 To 250, Deduct</i>	-1.44	
		<i>For &gt;250 To 500, Deduct</i>	-1.80	
		<i>For &gt;500, Deduct</i>	-2.16	
05 05 23 00-0514	EA	3/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.63	
		<i>For &gt;100 To 250, Deduct</i>	-1.44	
		<i>For &gt;250 To 500, Deduct</i>	-1.80	
		<i>For &gt;500, Deduct</i>	-2.16	
05 05 23 00-0515	EA	3/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.52	
		<i>For &gt;100 To 250, Deduct</i>	-1.48	
		<i>For &gt;250 To 500, Deduct</i>	-1.85	
		<i>For &gt;500, Deduct</i>	-2.22	
05 05 23 00-0516	EA	3/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.80	
		<i>For &gt;100 To 250, Deduct</i>	-1.48	
		<i>For &gt;250 To 500, Deduct</i>	-1.85	
		<i>For &gt;500, Deduct</i>	-2.22	
05 05 23 00-0517	EA	3/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.86	
		<i>For &gt;100 To 250, Deduct</i>	-1.48	
		<i>For &gt;250 To 500, Deduct</i>	-1.85	
		<i>For &gt;500, Deduct</i>	-2.22	
05 05 23 00-0518	EA	3/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.17	
		<i>For &gt;100 To 250, Deduct</i>	-1.52	
		<i>For &gt;250 To 500, Deduct</i>	-1.90	
		<i>For &gt;500, Deduct</i>	-2.28	
05 05 23 00-0519	EA	3/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.48	
		<i>For &gt;100 To 250, Deduct</i>	-1.52	
		<i>For &gt;250 To 500, Deduct</i>	-1.90	
		<i>For &gt;500, Deduct</i>	-2.28	
05 05 23 00-0520	EA	3/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.87	
		<i>For &gt;100 To 250, Deduct</i>	-1.52	
		<i>For &gt;250 To 500, Deduct</i>	-1.90	
		<i>For &gt;500, Deduct</i>	-2.28	
05 05 23 00-0521	EA	3/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.39	
		<i>For &gt;100 To 250, Deduct</i>	-1.56	
		<i>For &gt;250 To 500, Deduct</i>	-1.95	
		<i>For &gt;500, Deduct</i>	-2.34	
05 05 23 00-0522	EA	3/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.01	
		<i>For &gt;100 To 250, Deduct</i>	-1.56	
		<i>For &gt;250 To 500, Deduct</i>	-1.95	
		<i>For &gt;500, Deduct</i>	-2.34	
05 05 23 00-0523	EA	3/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.47	
		<i>For &gt;100 To 250, Deduct</i>	-1.56	
		<i>For &gt;250 To 500, Deduct</i>	-1.95	
		<i>For &gt;500, Deduct</i>	-2.34	

**05 05 23 00-0524 7/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)**

05 05 23 00-0525	EA	7/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.75	
		<i>For &gt;100 To 250, Deduct</i>	-1.60	
		<i>For &gt;250 To 500, Deduct</i>	-2.00	
		<i>For &gt;500, Deduct</i>	-2.40	
05 05 23 00-0526	EA	7/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.79	
		<i>For &gt;100 To 250, Deduct</i>	-1.60	
		<i>For &gt;250 To 500, Deduct</i>	-2.00	
		<i>For &gt;500, Deduct</i>	-2.40	
05 05 23 00-0527	EA	7/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.18	
		<i>For &gt;100 To 250, Deduct</i>	-1.60	
		<i>For &gt;250 To 500, Deduct</i>	-2.00	
		<i>For &gt;500, Deduct</i>	-2.40	
05 05 23 00-0528	EA	7/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.42	
		<i>For &gt;100 To 250, Deduct</i>	-1.64	
		<i>For &gt;250 To 500, Deduct</i>	-2.05	
		<i>For &gt;500, Deduct</i>	-2.46	
05 05 23 00-0529	EA	7/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.86	
		<i>For &gt;100 To 250, Deduct</i>	-1.64	
		<i>For &gt;250 To 500, Deduct</i>	-2.05	
		<i>For &gt;500, Deduct</i>	-2.46	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 05 23 00-0530	EA		7/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	10.10	
			For >100 To 250, Deduct	-1.64	
			For >250 To 500, Deduct	-2.05	
			For >500, Deduct	-2.46	
05 05 23 00-0531	EA		7/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.34	
			For >100 To 250, Deduct	-1.68	
			For >250 To 500, Deduct	-2.10	
			For >500, Deduct	-2.52	
05 05 23 00-0532	EA		7/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	11.31	
			For >100 To 250, Deduct	-1.68	
			For >250 To 500, Deduct	-2.10	
			For >500, Deduct	-2.52	
05 05 23 00-0533	EA		7/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.07	
			For >100 To 250, Deduct	-1.68	
			For >250 To 500, Deduct	-2.10	
			For >500, Deduct	-2.52	
05 05 23 00-0534	EA		7/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	12.79	
			For >100 To 250, Deduct	-1.72	
			For >250 To 500, Deduct	-2.15	
			For >500, Deduct	-2.58	
05 05 23 00-0535	EA		7/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.06	
			For >100 To 250, Deduct	-1.72	
			For >250 To 500, Deduct	-2.15	
			For >500, Deduct	-2.58	
05 05 23 00-0536	EA		7/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	13.46	
			For >100 To 250, Deduct	-1.72	
			For >250 To 500, Deduct	-2.15	
			For >500, Deduct	-2.58	
05 05 23 00-0537	EA		7/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.24	
			For >100 To 250, Deduct	-1.76	
			For >250 To 500, Deduct	-2.20	
			For >500, Deduct	-2.64	
05 05 23 00-0538	EA		7/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	15.52	
			For >100 To 250, Deduct	-1.76	
			For >250 To 500, Deduct	-2.20	
			For >500, Deduct	-2.64	
05 05 23 00-0539	EA		7/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.62	
			For >100 To 250, Deduct	-1.76	
			For >250 To 500, Deduct	-2.20	
			For >500, Deduct	-2.64	
<b>05 05 23 00-0540</b>			<b>1/2" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)</b> .....		
05 05 23 00-0541	EA		1/2" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.01	
			For >100 To 250, Deduct	-1.60	
			For >250 To 500, Deduct	-2.00	
			For >500, Deduct	-2.40	
05 05 23 00-0542	EA		1/2" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	9.29	
			For >100 To 250, Deduct	-1.60	
			For >250 To 500, Deduct	-2.00	
			For >500, Deduct	-2.40	
05 05 23 00-0543	EA		1/2" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.47	
			For >100 To 250, Deduct	-1.60	
			For >250 To 500, Deduct	-2.00	
			For >500, Deduct	-2.40	
05 05 23 00-0544	EA		1/2" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	9.86	
			For >100 To 250, Deduct	-1.64	
			For >250 To 500, Deduct	-2.05	
			For >500, Deduct	-2.46	
05 05 23 00-0545	EA		1/2" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.17	
			For >100 To 250, Deduct	-1.64	
			For >250 To 500, Deduct	-2.05	
			For >500, Deduct	-2.46	
05 05 23 00-0546	EA		1/2" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	10.87	
			For >100 To 250, Deduct	-1.64	
			For >250 To 500, Deduct	-2.05	
			For >500, Deduct	-2.46	
05 05 23 00-0547	EA		1/2" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.57	
			For >100 To 250, Deduct	-1.68	
			For >250 To 500, Deduct	-2.10	
			For >500, Deduct	-2.52	
05 05 23 00-0548	EA		1/2" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	11.98	
			For >100 To 250, Deduct	-1.68	
			For >250 To 500, Deduct	-2.10	
			For >500, Deduct	-2.52	
05 05 23 00-0549	EA		1/2" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.27	
			For >100 To 250, Deduct	-1.68	
			For >250 To 500, Deduct	-2.10	
			For >500, Deduct	-2.52	
05 05 23 00-0550	EA		1/2" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	12.99	
			For >100 To 250, Deduct	-1.72	
			For >250 To 500, Deduct	-2.15	
			For >500, Deduct	-2.58	
05 05 23 00-0551	EA		1/2" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.88	
			For >100 To 250, Deduct	-1.72	
			For >250 To 500, Deduct	-2.15	
			For >500, Deduct	-2.58	

## 05 Metals

## 05 05 Common Work Results for Metals

## 05 05 23 Metal Fastenings

 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

05 05 23 00-0552	EA	1/2" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.70	
		<i>For &gt;100 To 250, Deduct</i>	-1.72	
		<i>For &gt;250 To 500, Deduct</i>	-2.15	
		<i>For &gt;500, Deduct</i>	-2.58	
05 05 23 00-0553	EA	1/2" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.59	
		<i>For &gt;100 To 250, Deduct</i>	-1.76	
		<i>For &gt;250 To 500, Deduct</i>	-2.20	
		<i>For &gt;500, Deduct</i>	-2.64	
05 05 23 00-0554	EA	1/2" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.96	
		<i>For &gt;100 To 250, Deduct</i>	-1.76	
		<i>For &gt;250 To 500, Deduct</i>	-2.20	
		<i>For &gt;500, Deduct</i>	-2.64	
05 05 23 00-0555	EA	1/2" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.98	
		<i>For &gt;100 To 250, Deduct</i>	-1.76	
		<i>For &gt;250 To 500, Deduct</i>	-2.20	
		<i>For &gt;500, Deduct</i>	-2.64	
05 05 23 00-0556	EA	1/2" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.87	
		<i>For &gt;100 To 250, Deduct</i>	-1.80	
		<i>For &gt;250 To 500, Deduct</i>	-2.25	
		<i>For &gt;500, Deduct</i>	-2.70	
05 05 23 00-0557	EA	1/2" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	19.61	
		<i>For &gt;100 To 250, Deduct</i>	-1.80	
		<i>For &gt;250 To 500, Deduct</i>	-2.25	
		<i>For &gt;500, Deduct</i>	-2.70	
05 05 23 00-0558	EA	1/2" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	19.99	
		<i>For &gt;100 To 250, Deduct</i>	-1.80	
		<i>For &gt;250 To 500, Deduct</i>	-2.25	
		<i>For &gt;500, Deduct</i>	-2.70	
05 05 23 00-0559	EA	1/2" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	21.81	
		<i>For &gt;100 To 250, Deduct</i>	-1.80	
		<i>For &gt;250 To 500, Deduct</i>	-2.25	
		<i>For &gt;500, Deduct</i>	-2.70	
05 05 23 00-0560		9/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0472)</small> .....	9.27	
05 05 23 00-0561	EA	9/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.27	
		<i>For &gt;100 To 250, Deduct</i>	-1.60	
		<i>For &gt;250 To 500, Deduct</i>	-2.00	
		<i>For &gt;500, Deduct</i>	-2.40	
05 05 23 00-0562	EA	9/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.44	
		<i>For &gt;100 To 250, Deduct</i>	-1.60	
		<i>For &gt;250 To 500, Deduct</i>	-2.00	
		<i>For &gt;500, Deduct</i>	-2.40	
05 05 23 00-0563	EA	9/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.84	
		<i>For &gt;100 To 250, Deduct</i>	-1.60	
		<i>For &gt;250 To 500, Deduct</i>	-2.00	
		<i>For &gt;500, Deduct</i>	-2.40	
05 05 23 00-0564	EA	9/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.62	
		<i>For &gt;100 To 250, Deduct</i>	-1.64	
		<i>For &gt;250 To 500, Deduct</i>	-2.05	
		<i>For &gt;500, Deduct</i>	-2.46	
05 05 23 00-0565	EA	9/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.76	
		<i>For &gt;100 To 250, Deduct</i>	-1.64	
		<i>For &gt;250 To 500, Deduct</i>	-2.05	
		<i>For &gt;500, Deduct</i>	-2.46	
05 05 23 00-0566	EA	9/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.34	
		<i>For &gt;100 To 250, Deduct</i>	-1.64	
		<i>For &gt;250 To 500, Deduct</i>	-2.05	
		<i>For &gt;500, Deduct</i>	-2.46	
05 05 23 00-0567	EA	9/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.92	
		<i>For &gt;100 To 250, Deduct</i>	-1.68	
		<i>For &gt;250 To 500, Deduct</i>	-2.10	
		<i>For &gt;500, Deduct</i>	-2.52	
05 05 23 00-0568	EA	9/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.81	
		<i>For &gt;100 To 250, Deduct</i>	-1.68	
		<i>For &gt;250 To 500, Deduct</i>	-2.10	
		<i>For &gt;500, Deduct</i>	-2.52	
05 05 23 00-0569	EA	9/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.18	
		<i>For &gt;100 To 250, Deduct</i>	-1.68	
		<i>For &gt;250 To 500, Deduct</i>	-2.10	
		<i>For &gt;500, Deduct</i>	-2.52	
05 05 23 00-0570	EA	9/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.68	
		<i>For &gt;100 To 250, Deduct</i>	-1.72	
		<i>For &gt;250 To 500, Deduct</i>	-2.15	
		<i>For &gt;500, Deduct</i>	-2.58	
05 05 23 00-0571	EA	9/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.50	
		<i>For &gt;100 To 250, Deduct</i>	-1.72	
		<i>For &gt;250 To 500, Deduct</i>	-2.15	
		<i>For &gt;500, Deduct</i>	-2.58	
05 05 23 00-0572	EA	9/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.60	
		<i>For &gt;100 To 250, Deduct</i>	-1.72	
		<i>For &gt;250 To 500, Deduct</i>	-2.15	
		<i>For &gt;500, Deduct</i>	-2.58	
05 05 23 00-0573	EA	9/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	22.41	
		<i>For &gt;100 To 250, Deduct</i>	-1.76	
		<i>For &gt;250 To 500, Deduct</i>	-2.20	
		<i>For &gt;500, Deduct</i>	-2.64	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 05 23 00-0574	EA 9/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	26.89	
	For >100 To 250, Deduct	-1.76	
	For >250 To 500, Deduct	-2.20	
	For >500, Deduct	-2.64	
05 05 23 00-0575	EA 9/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	31.76	
	For >100 To 250, Deduct	-1.76	
	For >250 To 500, Deduct	-2.20	
	For >500, Deduct	-2.64	
<b>05 05 23 00-0576</b>	<b>5/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts</b> <small>(05 05 23 00-0472)</small>		
05 05 23 00-0577	EA 5/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.88	
	For >100 To 250, Deduct	-1.80	
	For >250 To 500, Deduct	-2.25	
	For >500, Deduct	-2.70	
05 05 23 00-0578	EA 5/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	11.05	
	For >100 To 250, Deduct	-1.80	
	For >250 To 500, Deduct	-2.25	
	For >500, Deduct	-2.70	
05 05 23 00-0579	EA 5/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.49	
	For >100 To 250, Deduct	-1.80	
	For >250 To 500, Deduct	-2.25	
	For >500, Deduct	-2.70	
05 05 23 00-0580	EA 5/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	12.32	
	For >100 To 250, Deduct	-1.84	
	For >250 To 500, Deduct	-2.30	
	For >500, Deduct	-2.76	
05 05 23 00-0581	EA 5/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.85	
	For >100 To 250, Deduct	-1.84	
	For >250 To 500, Deduct	-2.30	
	For >500, Deduct	-2.76	
05 05 23 00-0582	EA 5/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	13.13	
	For >100 To 250, Deduct	-1.84	
	For >250 To 500, Deduct	-2.30	
	For >500, Deduct	-2.76	
05 05 23 00-0583	EA 5/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.53	
	For >100 To 250, Deduct	-1.88	
	For >250 To 500, Deduct	-2.35	
	For >500, Deduct	-2.82	
05 05 23 00-0584	EA 5/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	14.46	
	For >100 To 250, Deduct	-1.88	
	For >250 To 500, Deduct	-2.35	
	For >500, Deduct	-2.82	
05 05 23 00-0585	EA 5/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.87	
	For >100 To 250, Deduct	-1.88	
	For >250 To 500, Deduct	-2.35	
	For >500, Deduct	-2.82	
05 05 23 00-0586	EA 5/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	15.51	
	For >100 To 250, Deduct	-1.92	
	For >250 To 500, Deduct	-2.40	
	For >500, Deduct	-2.88	
05 05 23 00-0587	EA 5/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.94	
	For >100 To 250, Deduct	-1.92	
	For >250 To 500, Deduct	-2.40	
	For >500, Deduct	-2.88	
05 05 23 00-0588	EA 5/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	16.86	
	For >100 To 250, Deduct	-1.92	
	For >250 To 500, Deduct	-2.40	
	For >500, Deduct	-2.88	
05 05 23 00-0589	EA 5/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	19.23	
	For >100 To 250, Deduct	-1.96	
	For >250 To 500, Deduct	-2.45	
	For >500, Deduct	-2.94	
05 05 23 00-0590	EA 5/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	20.28	
	For >100 To 250, Deduct	-1.96	
	For >250 To 500, Deduct	-2.45	
	For >500, Deduct	-2.94	
05 05 23 00-0591	EA 5/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	20.72	
	For >100 To 250, Deduct	-1.96	
	For >250 To 500, Deduct	-2.45	
	For >500, Deduct	-2.94	
05 05 23 00-0592	EA 5/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	22.76	
	For >100 To 250, Deduct	-2.00	
	For >250 To 500, Deduct	-2.50	
	For >500, Deduct	-2.99	
05 05 23 00-0593	EA 5/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	24.80	
	For >100 To 250, Deduct	-2.00	
	For >250 To 500, Deduct	-2.50	
	For >500, Deduct	-2.99	
05 05 23 00-0594	EA 5/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	24.96	
	For >100 To 250, Deduct	-2.00	
	For >250 To 500, Deduct	-2.50	
	For >500, Deduct	-2.99	
05 05 23 00-0595	EA 5/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	26.86	
	For >100 To 250, Deduct	-2.00	
	For >250 To 500, Deduct	-2.50	
	For >500, Deduct	-2.99	
<b>05 05 23 00-0596</b>	<b>3/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts</b> <small>(05 05 23 00-0472)</small>		

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 05 23 00-0597	EA	3/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.86	
		<i>For &gt;100 To 250, Deduct</i>	-1.80	
		<i>For &gt;250 To 500, Deduct</i>	-2.25	
		<i>For &gt;500, Deduct</i>	-2.70	
05 05 23 00-0598	EA	3/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.04	
		<i>For &gt;100 To 250, Deduct</i>	-1.80	
		<i>For &gt;250 To 500, Deduct</i>	-2.25	
		<i>For &gt;500, Deduct</i>	-2.70	
05 05 23 00-0599	EA	3/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.17	
		<i>For &gt;100 To 250, Deduct</i>	-1.80	
		<i>For &gt;250 To 500, Deduct</i>	-2.25	
		<i>For &gt;500, Deduct</i>	-2.70	
05 05 23 00-0600	EA	3/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.63	
		<i>For &gt;100 To 250, Deduct</i>	-1.84	
		<i>For &gt;250 To 500, Deduct</i>	-2.30	
		<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0601	EA	3/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.02	
		<i>For &gt;100 To 250, Deduct</i>	-1.84	
		<i>For &gt;250 To 500, Deduct</i>	-2.30	
		<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0602	EA	3/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.13	
		<i>For &gt;100 To 250, Deduct</i>	-1.84	
		<i>For &gt;250 To 500, Deduct</i>	-2.30	
		<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0603	EA	3/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.80	
		<i>For &gt;100 To 250, Deduct</i>	-1.88	
		<i>For &gt;250 To 500, Deduct</i>	-2.35	
		<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0604	EA	3/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.90	
		<i>For &gt;100 To 250, Deduct</i>	-1.88	
		<i>For &gt;250 To 500, Deduct</i>	-2.35	
		<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0605	EA	3/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.41	
		<i>For &gt;100 To 250, Deduct</i>	-1.88	
		<i>For &gt;250 To 500, Deduct</i>	-2.35	
		<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0606	EA	3/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	17.16	
		<i>For &gt;100 To 250, Deduct</i>	-1.92	
		<i>For &gt;250 To 500, Deduct</i>	-2.40	
		<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0607	EA	3/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	17.95	
		<i>For &gt;100 To 250, Deduct</i>	-1.92	
		<i>For &gt;250 To 500, Deduct</i>	-2.40	
		<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0608	EA	3/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	19.43	
		<i>For &gt;100 To 250, Deduct</i>	-1.92	
		<i>For &gt;250 To 500, Deduct</i>	-2.40	
		<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0609	EA	3/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	21.44	
		<i>For &gt;100 To 250, Deduct</i>	-1.96	
		<i>For &gt;250 To 500, Deduct</i>	-2.45	
		<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0610	EA	3/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	22.23	
		<i>For &gt;100 To 250, Deduct</i>	-1.96	
		<i>For &gt;250 To 500, Deduct</i>	-2.45	
		<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0611	EA	3/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	22.64	
		<i>For &gt;100 To 250, Deduct</i>	-1.96	
		<i>For &gt;250 To 500, Deduct</i>	-2.45	
		<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0612	EA	3/4" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	24.77	
		<i>For &gt;100 To 250, Deduct</i>	-2.00	
		<i>For &gt;250 To 500, Deduct</i>	-2.50	
		<i>For &gt;500, Deduct</i>	-2.99	
05 05 23 00-0613	EA	3/4" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	26.21	
		<i>For &gt;100 To 250, Deduct</i>	-2.00	
		<i>For &gt;250 To 500, Deduct</i>	-2.50	
		<i>For &gt;500, Deduct</i>	-2.99	
05 05 23 00-0614	EA	3/4" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	27.25	
		<i>For &gt;100 To 250, Deduct</i>	-2.00	
		<i>For &gt;250 To 500, Deduct</i>	-2.50	
		<i>For &gt;500, Deduct</i>	-2.99	
05 05 23 00-0615	EA	3/4" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	27.63	
		<i>For &gt;100 To 250, Deduct</i>	-2.00	
		<i>For &gt;250 To 500, Deduct</i>	-2.50	
		<i>For &gt;500, Deduct</i>	-2.99	
05 05 23 00-0616		<b>7/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts</b> (05 05 23 00-0472)		
05 05 23 00-0617	EA	7/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.53	
		<i>For &gt;100 To 250, Deduct</i>	-2.00	
		<i>For &gt;250 To 500, Deduct</i>	-2.50	
		<i>For &gt;500, Deduct</i>	-2.99	
05 05 23 00-0618	EA	7/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.02	
		<i>For &gt;100 To 250, Deduct</i>	-2.00	
		<i>For &gt;250 To 500, Deduct</i>	-2.50	
		<i>For &gt;500, Deduct</i>	-2.99	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 05 23 00-0619	EA	7/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	16.95	
		For >100 To 250, Deduct	-2.04	
		For >250 To 500, Deduct	-2.55	
		For >500, Deduct	-3.06	
05 05 23 00-0620	EA	7/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.42	
		For >100 To 250, Deduct	-2.04	
		For >250 To 500, Deduct	-2.55	
		For >500, Deduct	-3.06	
05 05 23 00-0621	EA	7/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	18.59	
		For >100 To 250, Deduct	-2.04	
		For >250 To 500, Deduct	-2.55	
		For >500, Deduct	-3.06	
05 05 23 00-0622	EA	7/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	19.10	
		For >100 To 250, Deduct	-2.08	
		For >250 To 500, Deduct	-2.60	
		For >500, Deduct	-3.12	
05 05 23 00-0623	EA	7/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	22.64	
		For >100 To 250, Deduct	-2.08	
		For >250 To 500, Deduct	-2.60	
		For >500, Deduct	-3.12	
05 05 23 00-0624	EA	7/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	23.55	
		For >100 To 250, Deduct	-2.08	
		For >250 To 500, Deduct	-2.60	
		For >500, Deduct	-3.12	
05 05 23 00-0625	EA	7/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	25.85	
		For >100 To 250, Deduct	-2.12	
		For >250 To 500, Deduct	-2.65	
		For >500, Deduct	-3.18	
05 05 23 00-0626	EA	7/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	27.18	
		For >100 To 250, Deduct	-2.12	
		For >250 To 500, Deduct	-2.65	
		For >500, Deduct	-3.18	
05 05 23 00-0627	EA	7/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	30.61	
		For >100 To 250, Deduct	-2.12	
		For >250 To 500, Deduct	-2.65	
		For >500, Deduct	-3.18	
05 05 23 00-0628	EA	7/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	31.95	
		For >100 To 250, Deduct	-2.16	
		For >250 To 500, Deduct	-2.70	
		For >500, Deduct	-3.24	
05 05 23 00-0629	EA	7/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	35.48	
		For >100 To 250, Deduct	-2.16	
		For >250 To 500, Deduct	-2.70	
		For >500, Deduct	-3.24	
05 05 23 00-0630	EA	7/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	36.91	
		For >100 To 250, Deduct	-2.16	
		For >250 To 500, Deduct	-2.70	
		For >500, Deduct	-3.24	
05 05 23 00-0631	EA	7/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	38.25	
		For >100 To 250, Deduct	-2.20	
		For >250 To 500, Deduct	-2.75	
		For >500, Deduct	-3.30	
05 05 23 00-0632	EA	7/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	38.66	
		For >100 To 250, Deduct	-2.20	
		For >250 To 500, Deduct	-2.75	
		For >500, Deduct	-3.30	
05 05 23 00-0633	EA	7/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	39.01	
		For >100 To 250, Deduct	-2.20	
		For >250 To 500, Deduct	-2.75	
		For >500, Deduct	-3.30	
05 05 23 00-0634	EA	7/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	39.86	
		For >100 To 250, Deduct	-2.20	
		For >250 To 500, Deduct	-2.75	
		For >500, Deduct	-3.30	

**05 05 23 00-0635 1" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts** (05 05 23 00-0472)

05 05 23 00-0636	EA	1" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	16.93	
		For >100 To 250, Deduct	-2.00	
		For >250 To 500, Deduct	-2.50	
		For >500, Deduct	-2.99	
05 05 23 00-0637	EA	1" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.15	
		For >100 To 250, Deduct	-2.00	
		For >250 To 500, Deduct	-2.50	
		For >500, Deduct	-2.99	
05 05 23 00-0638	EA	1" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	18.90	
		For >100 To 250, Deduct	-2.04	
		For >250 To 500, Deduct	-2.55	
		For >500, Deduct	-3.06	
05 05 23 00-0639	EA	1" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	19.82	
		For >100 To 250, Deduct	-2.04	
		For >250 To 500, Deduct	-2.55	
		For >500, Deduct	-3.06	
05 05 23 00-0640	EA	1" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	21.54	
		For >100 To 250, Deduct	-2.04	
		For >250 To 500, Deduct	-2.55	
		For >500, Deduct	-3.06	

**05 Metals**

**05 05 Common Work Results for Metals**

**05 05 23 Metal Fastenings**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 23 00-0641	EA 1" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	22.19	
	For >100 To 250, Deduct	-2.08	
	For >250 To 500, Deduct	-2.60	
	For >500, Deduct	-3.12	
05 05 23 00-0642	EA 1" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	23.67	
	For >100 To 250, Deduct	-2.08	
	For >250 To 500, Deduct	-2.60	
	For >500, Deduct	-3.12	
05 05 23 00-0643	EA 1" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	25.65	
	For >100 To 250, Deduct	-2.08	
	For >250 To 500, Deduct	-2.60	
	For >500, Deduct	-3.12	
05 05 23 00-0644	EA 1" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	26.78	
	For >100 To 250, Deduct	-2.12	
	For >250 To 500, Deduct	-2.65	
	For >500, Deduct	-3.18	
05 05 23 00-0645	EA 1" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	27.62	
	For >100 To 250, Deduct	-2.12	
	For >250 To 500, Deduct	-2.65	
	For >500, Deduct	-3.18	
05 05 23 00-0646	EA 1" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	31.75	
	For >100 To 250, Deduct	-2.12	
	For >250 To 500, Deduct	-2.65	
	For >500, Deduct	-3.18	
05 05 23 00-0647	EA 1" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	32.59	
	For >100 To 250, Deduct	-2.16	
	For >250 To 500, Deduct	-2.70	
	For >500, Deduct	-3.24	
05 05 23 00-0648	EA 1" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	37.26	
	For >100 To 250, Deduct	-2.16	
	For >250 To 500, Deduct	-2.70	
	For >500, Deduct	-3.24	
05 05 23 00-0649	EA 1" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	38.06	
	For >100 To 250, Deduct	-2.16	
	For >250 To 500, Deduct	-2.70	
	For >500, Deduct	-3.24	
05 05 23 00-0650	EA 1" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	40.75	
	For >100 To 250, Deduct	-2.20	
	For >250 To 500, Deduct	-2.75	
	For >500, Deduct	-3.30	
05 05 23 00-0651	EA 1" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	42.10	
	For >100 To 250, Deduct	-2.20	
	For >250 To 500, Deduct	-2.75	
	For >500, Deduct	-3.30	
05 05 23 00-0652	EA 1" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	45.66	
	For >100 To 250, Deduct	-2.20	
	For >250 To 500, Deduct	-2.75	
	For >500, Deduct	-3.30	
05 05 23 00-0653	EA 1" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	47.84	
	For >100 To 250, Deduct	-2.20	
	For >250 To 500, Deduct	-2.75	
	For >500, Deduct	-3.30	
05 05 23 00-0654	Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0097)		
05 05 23 00-0655	1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0654)		
05 05 23 00-0656	EA 1/4" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.35	
	For >100 To 250, Deduct	-1.40	
	For >250 To 500, Deduct	-1.75	
	For >500, Deduct	-2.10	
05 05 23 00-0657	EA 1/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.37	
	For >100 To 250, Deduct	-1.40	
	For >250 To 500, Deduct	-1.75	
	For >500, Deduct	-2.10	
05 05 23 00-0658	EA 1/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.39	
	For >100 To 250, Deduct	-1.40	
	For >250 To 500, Deduct	-1.75	
	For >500, Deduct	-2.10	
05 05 23 00-0659	EA 1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.64	
	For >100 To 250, Deduct	-1.40	
	For >250 To 500, Deduct	-1.75	
	For >500, Deduct	-2.10	
05 05 23 00-0660	EA 1/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.97	
	For >100 To 250, Deduct	-1.44	
	For >250 To 500, Deduct	-1.80	
	For >500, Deduct	-2.16	
05 05 23 00-0661	EA 1/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.12	
	For >100 To 250, Deduct	-1.44	
	For >250 To 500, Deduct	-1.80	
	For >500, Deduct	-2.16	
05 05 23 00-0662	EA 1/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.18	
	For >100 To 250, Deduct	-1.44	
	For >250 To 500, Deduct	-1.80	
	For >500, Deduct	-2.16	
05 05 23 00-0663	EA 1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.39	
	For >100 To 250, Deduct	-1.48	
	For >250 To 500, Deduct	-1.85	
	For >500, Deduct	-2.22	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
			UNIT COST	UNIT COST
05 05 23 00-0664	EA	1/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.56	
		<i>For &gt;100 To 250, Deduct</i>	-1.48	
		<i>For &gt;250 To 500, Deduct</i>	-1.85	
		<i>For &gt;500, Deduct</i>	-2.22	
05 05 23 00-0665	EA	1/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.61	
		<i>For &gt;100 To 250, Deduct</i>	-1.48	
		<i>For &gt;250 To 500, Deduct</i>	-1.85	
		<i>For &gt;500, Deduct</i>	-2.22	
05 05 23 00-0666	EA	1/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.93	
		<i>For &gt;100 To 250, Deduct</i>	-1.52	
		<i>For &gt;250 To 500, Deduct</i>	-1.90	
		<i>For &gt;500, Deduct</i>	-2.28	
05 05 23 00-0667	EA	1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.09	
		<i>For &gt;100 To 250, Deduct</i>	-1.52	
		<i>For &gt;250 To 500, Deduct</i>	-1.90	
		<i>For &gt;500, Deduct</i>	-2.28	
05 05 23 00-0668	EA	1/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.14	
		<i>For &gt;100 To 250, Deduct</i>	-1.52	
		<i>For &gt;250 To 500, Deduct</i>	-1.90	
		<i>For &gt;500, Deduct</i>	-2.28	
05 05 23 00-0669	EA	1/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.48	
		<i>For &gt;100 To 250, Deduct</i>	-1.56	
		<i>For &gt;250 To 500, Deduct</i>	-1.95	
		<i>For &gt;500, Deduct</i>	-2.34	
05 05 23 00-0670	EA	1/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.91	
		<i>For &gt;100 To 250, Deduct</i>	-1.56	
		<i>For &gt;250 To 500, Deduct</i>	-1.95	
		<i>For &gt;500, Deduct</i>	-2.34	
05 05 23 00-0671	EA	1/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.44	
		<i>For &gt;100 To 250, Deduct</i>	-1.56	
		<i>For &gt;250 To 500, Deduct</i>	-1.95	
		<i>For &gt;500, Deduct</i>	-2.34	
<b>05 05 23 00-0672</b>		<b>5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex</b>		
		<b>Head Bolts</b> <small>(05 05 23 00-0654)</small>		
05 05 23 00-0673	EA	5/16" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.24	
		<i>For &gt;100 To 250, Deduct</i>	-1.40	
		<i>For &gt;250 To 500, Deduct</i>	-1.75	
		<i>For &gt;500, Deduct</i>	-2.10	
05 05 23 00-0674	EA	5/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.73	
		<i>For &gt;100 To 250, Deduct</i>	-1.40	
		<i>For &gt;250 To 500, Deduct</i>	-1.75	
		<i>For &gt;500, Deduct</i>	-2.10	
05 05 23 00-0675	EA	5/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.77	
		<i>For &gt;100 To 250, Deduct</i>	-1.40	
		<i>For &gt;250 To 500, Deduct</i>	-1.75	
		<i>For &gt;500, Deduct</i>	-2.10	
05 05 23 00-0676	EA	5/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.79	
		<i>For &gt;100 To 250, Deduct</i>	-1.40	
		<i>For &gt;250 To 500, Deduct</i>	-1.75	
		<i>For &gt;500, Deduct</i>	-2.10	
05 05 23 00-0677	EA	5/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.21	
		<i>For &gt;100 To 250, Deduct</i>	-1.44	
		<i>For &gt;250 To 500, Deduct</i>	-1.80	
		<i>For &gt;500, Deduct</i>	-2.16	
05 05 23 00-0678	EA	5/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.67	
		<i>For &gt;100 To 250, Deduct</i>	-1.44	
		<i>For &gt;250 To 500, Deduct</i>	-1.80	
		<i>For &gt;500, Deduct</i>	-2.16	
05 05 23 00-0679	EA	5/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.75	
		<i>For &gt;100 To 250, Deduct</i>	-1.44	
		<i>For &gt;250 To 500, Deduct</i>	-1.80	
		<i>For &gt;500, Deduct</i>	-2.16	
05 05 23 00-0680	EA	5/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.07	
		<i>For &gt;100 To 250, Deduct</i>	-1.48	
		<i>For &gt;250 To 500, Deduct</i>	-1.85	
		<i>For &gt;500, Deduct</i>	-2.22	
05 05 23 00-0681	EA	5/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.11	
		<i>For &gt;100 To 250, Deduct</i>	-1.48	
		<i>For &gt;250 To 500, Deduct</i>	-1.85	
		<i>For &gt;500, Deduct</i>	-2.22	
05 05 23 00-0682	EA	5/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.48	
		<i>For &gt;100 To 250, Deduct</i>	-1.48	
		<i>For &gt;250 To 500, Deduct</i>	-1.85	
		<i>For &gt;500, Deduct</i>	-2.22	
05 05 23 00-0683	EA	5/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.78	
		<i>For &gt;100 To 250, Deduct</i>	-1.52	
		<i>For &gt;250 To 500, Deduct</i>	-1.90	
		<i>For &gt;500, Deduct</i>	-2.28	
05 05 23 00-0684	EA	5/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.92	
		<i>For &gt;100 To 250, Deduct</i>	-1.52	
		<i>For &gt;250 To 500, Deduct</i>	-1.90	
		<i>For &gt;500, Deduct</i>	-2.28	
05 05 23 00-0685	EA	5/16" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.27	
		<i>For &gt;100 To 250, Deduct</i>	-1.52	
		<i>For &gt;250 To 500, Deduct</i>	-1.90	
		<i>For &gt;500, Deduct</i>	-2.28	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

05 05 23 00-0686	EA	5/16" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.18
		<i>For &gt;100 To 250, Deduct</i>	-1.56
		<i>For &gt;250 To 500, Deduct</i>	-1.95
		<i>For &gt;500, Deduct</i>	-2.34
05 05 23 00-0687	EA	5/16" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.74
		<i>For &gt;100 To 250, Deduct</i>	-1.56
		<i>For &gt;250 To 500, Deduct</i>	-1.95
		<i>For &gt;500, Deduct</i>	-2.34
05 05 23 00-0688	EA	5/16" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.27
		<i>For &gt;100 To 250, Deduct</i>	-1.56
		<i>For &gt;250 To 500, Deduct</i>	-1.95
		<i>For &gt;500, Deduct</i>	-2.34

**05 05 23 00-0689 3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts**

05 05 23 00-0690	EA	3/8" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.39
		<i>For &gt;100 To 250, Deduct</i>	-1.40
		<i>For &gt;250 To 500, Deduct</i>	-1.75
		<i>For &gt;500, Deduct</i>	-2.10
05 05 23 00-0691	EA	3/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.50
		<i>For &gt;100 To 250, Deduct</i>	-1.40
		<i>For &gt;250 To 500, Deduct</i>	-1.75
		<i>For &gt;500, Deduct</i>	-2.10
05 05 23 00-0692	EA	3/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.62
		<i>For &gt;100 To 250, Deduct</i>	-1.40
		<i>For &gt;250 To 500, Deduct</i>	-1.75
		<i>For &gt;500, Deduct</i>	-2.10
05 05 23 00-0693	EA	3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.92
		<i>For &gt;100 To 250, Deduct</i>	-1.40
		<i>For &gt;250 To 500, Deduct</i>	-1.75
		<i>For &gt;500, Deduct</i>	-2.10
05 05 23 00-0694	EA	3/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.25
		<i>For &gt;100 To 250, Deduct</i>	-1.44
		<i>For &gt;250 To 500, Deduct</i>	-1.80
		<i>For &gt;500, Deduct</i>	-2.16
05 05 23 00-0695	EA	3/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.50
		<i>For &gt;100 To 250, Deduct</i>	-1.44
		<i>For &gt;250 To 500, Deduct</i>	-1.80
		<i>For &gt;500, Deduct</i>	-2.16
05 05 23 00-0696	EA	3/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.67
		<i>For &gt;100 To 250, Deduct</i>	-1.44
		<i>For &gt;250 To 500, Deduct</i>	-1.80
		<i>For &gt;500, Deduct</i>	-2.16
05 05 23 00-0697	EA	3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.10
		<i>For &gt;100 To 250, Deduct</i>	-1.48
		<i>For &gt;250 To 500, Deduct</i>	-1.85
		<i>For &gt;500, Deduct</i>	-2.22
05 05 23 00-0698	EA	3/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.23
		<i>For &gt;100 To 250, Deduct</i>	-1.48
		<i>For &gt;250 To 500, Deduct</i>	-1.85
		<i>For &gt;500, Deduct</i>	-2.22
05 05 23 00-0699	EA	3/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.52
		<i>For &gt;100 To 250, Deduct</i>	-1.48
		<i>For &gt;250 To 500, Deduct</i>	-1.85
		<i>For &gt;500, Deduct</i>	-2.22
05 05 23 00-0700	EA	3/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.85
		<i>For &gt;100 To 250, Deduct</i>	-1.52
		<i>For &gt;250 To 500, Deduct</i>	-1.90
		<i>For &gt;500, Deduct</i>	-2.28
05 05 23 00-0701	EA	3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.26
		<i>For &gt;100 To 250, Deduct</i>	-1.52
		<i>For &gt;250 To 500, Deduct</i>	-1.90
		<i>For &gt;500, Deduct</i>	-2.28
05 05 23 00-0702	EA	3/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.33
		<i>For &gt;100 To 250, Deduct</i>	-1.52
		<i>For &gt;250 To 500, Deduct</i>	-1.90
		<i>For &gt;500, Deduct</i>	-2.28
05 05 23 00-0703	EA	3/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.56
		<i>For &gt;100 To 250, Deduct</i>	-1.56
		<i>For &gt;250 To 500, Deduct</i>	-1.95
		<i>For &gt;500, Deduct</i>	-2.34
05 05 23 00-0704	EA	3/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.60
		<i>For &gt;100 To 250, Deduct</i>	-1.56
		<i>For &gt;250 To 500, Deduct</i>	-1.95
		<i>For &gt;500, Deduct</i>	-2.34
05 05 23 00-0705	EA	3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.08
		<i>For &gt;100 To 250, Deduct</i>	-1.56
		<i>For &gt;250 To 500, Deduct</i>	-1.95
		<i>For &gt;500, Deduct</i>	-2.34

**05 05 23 00-0706 7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts**

05 05 23 00-0707	EA	7/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.11
		<i>For &gt;100 To 250, Deduct</i>	-1.60
		<i>For &gt;250 To 500, Deduct</i>	-2.00
		<i>For &gt;500, Deduct</i>	-2.40

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 05 23 00-0708	EA	7/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.64	
		For >100 To 250, Deduct	-1.60	
		For >250 To 500, Deduct	-2.00	
		For >500, Deduct	-2.40	
05 05 23 00-0709	EA	7/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.05	
		For >100 To 250, Deduct	-1.60	
		For >250 To 500, Deduct	-2.00	
		For >500, Deduct	-2.40	
05 05 23 00-0710	EA	7/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.94	
		For >100 To 250, Deduct	-1.64	
		For >250 To 500, Deduct	-2.05	
		For >500, Deduct	-2.46	
05 05 23 00-0711	EA	7/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.97	
		For >100 To 250, Deduct	-1.64	
		For >250 To 500, Deduct	-2.05	
		For >500, Deduct	-2.46	
05 05 23 00-0712	EA	7/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.01	
		For >100 To 250, Deduct	-1.64	
		For >250 To 500, Deduct	-2.05	
		For >500, Deduct	-2.46	
05 05 23 00-0713	EA	7/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.55	
		For >100 To 250, Deduct	-1.68	
		For >250 To 500, Deduct	-2.10	
		For >500, Deduct	-2.52	
05 05 23 00-0714	EA	7/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.93	
		For >100 To 250, Deduct	-1.68	
		For >250 To 500, Deduct	-2.10	
		For >500, Deduct	-2.52	
05 05 23 00-0715	EA	7/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.27	
		For >100 To 250, Deduct	-1.68	
		For >250 To 500, Deduct	-2.10	
		For >500, Deduct	-2.52	
05 05 23 00-0716	EA	7/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.86	
		For >100 To 250, Deduct	-1.72	
		For >250 To 500, Deduct	-2.15	
		For >500, Deduct	-2.58	
05 05 23 00-0717	EA	7/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.26	
		For >100 To 250, Deduct	-1.72	
		For >250 To 500, Deduct	-2.15	
		For >500, Deduct	-2.58	

**05 05 23 00-0718 1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts** (05 05 23 00-0654)

05 05 23 00-0719	EA	1/2" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.88	
		For >100 To 250, Deduct	-1.60	
		For >250 To 500, Deduct	-2.00	
		For >500, Deduct	-2.40	
05 05 23 00-0720	EA	1/2" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.05	
		For >100 To 250, Deduct	-1.60	
		For >250 To 500, Deduct	-2.00	
		For >500, Deduct	-2.40	
05 05 23 00-0721	EA	1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.40	
		For >100 To 250, Deduct	-1.60	
		For >250 To 500, Deduct	-2.00	
		For >500, Deduct	-2.40	
05 05 23 00-0722	EA	1/2" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.00	
		For >100 To 250, Deduct	-1.64	
		For >250 To 500, Deduct	-2.05	
		For >500, Deduct	-2.46	
05 05 23 00-0723	EA	1/2" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.27	
		For >100 To 250, Deduct	-1.64	
		For >250 To 500, Deduct	-2.05	
		For >500, Deduct	-2.46	
05 05 23 00-0724	EA	1/2" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.76	
		For >100 To 250, Deduct	-1.64	
		For >250 To 500, Deduct	-2.05	
		For >500, Deduct	-2.46	
05 05 23 00-0725	EA	1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.04	
		For >100 To 250, Deduct	-1.68	
		For >250 To 500, Deduct	-2.10	
		For >500, Deduct	-2.52	
05 05 23 00-0726	EA	1/2" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.23	
		For >100 To 250, Deduct	-1.68	
		For >250 To 500, Deduct	-2.10	
		For >500, Deduct	-2.52	
05 05 23 00-0727	EA	1/2" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.62	
		For >100 To 250, Deduct	-1.68	
		For >250 To 500, Deduct	-2.10	
		For >500, Deduct	-2.52	
05 05 23 00-0728	EA	1/2" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.02	
		For >100 To 250, Deduct	-1.72	
		For >250 To 500, Deduct	-2.15	
		For >500, Deduct	-2.58	
05 05 23 00-0729	EA	1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.45	
		For >100 To 250, Deduct	-1.72	
		For >250 To 500, Deduct	-2.15	
		For >500, Deduct	-2.58	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

05 05 23 00-0730	EA	1/2" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.50
		<i>For &gt;100 To 250, Deduct</i>	-1.72
		<i>For &gt;250 To 500, Deduct</i>	-2.15
		<i>For &gt;500, Deduct</i>	-2.58
05 05 23 00-0731	EA	1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.77
		<i>For &gt;100 To 250, Deduct</i>	-1.76
		<i>For &gt;250 To 500, Deduct</i>	-2.20
		<i>For &gt;500, Deduct</i>	-2.64
05 05 23 00-0732	EA	1/2" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.88
		<i>For &gt;100 To 250, Deduct</i>	-1.76
		<i>For &gt;250 To 500, Deduct</i>	-2.20
		<i>For &gt;500, Deduct</i>	-2.64
05 05 23 00-0733	EA	1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.22
		<i>For &gt;100 To 250, Deduct</i>	-1.76
		<i>For &gt;250 To 500, Deduct</i>	-2.20
		<i>For &gt;500, Deduct</i>	-2.64
05 05 23 00-0734	EA	1/2" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.00
		<i>For &gt;100 To 250, Deduct</i>	-1.80
		<i>For &gt;250 To 500, Deduct</i>	-2.25
		<i>For &gt;500, Deduct</i>	-2.70
05 05 23 00-0735	EA	1/2" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.27
		<i>For &gt;100 To 250, Deduct</i>	-1.80
		<i>For &gt;250 To 500, Deduct</i>	-2.25
		<i>For &gt;500, Deduct</i>	-2.70
05 05 23 00-0736	EA	1/2" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.33
		<i>For &gt;100 To 250, Deduct</i>	-1.80
		<i>For &gt;250 To 500, Deduct</i>	-2.25
		<i>For &gt;500, Deduct</i>	-2.70
05 05 23 00-0737	EA	1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.48
		<i>For &gt;100 To 250, Deduct</i>	-1.80
		<i>For &gt;250 To 500, Deduct</i>	-2.25
		<i>For &gt;500, Deduct</i>	-2.70

**05 05 23 00-0738 5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts**

(05 05 23 00-0654)

05 05 23 00-0739	EA	5/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.50
		<i>For &gt;100 To 250, Deduct</i>	-1.80
		<i>For &gt;250 To 500, Deduct</i>	-2.25
		<i>For &gt;500, Deduct</i>	-2.70
05 05 23 00-0740	EA	5/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.77
		<i>For &gt;100 To 250, Deduct</i>	-1.80
		<i>For &gt;250 To 500, Deduct</i>	-2.25
		<i>For &gt;500, Deduct</i>	-2.70
05 05 23 00-0741	EA	5/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.95
		<i>For &gt;100 To 250, Deduct</i>	-1.80
		<i>For &gt;250 To 500, Deduct</i>	-2.25
		<i>For &gt;500, Deduct</i>	-2.70
05 05 23 00-0742	EA	5/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.45
		<i>For &gt;100 To 250, Deduct</i>	-1.84
		<i>For &gt;250 To 500, Deduct</i>	-2.30
		<i>For &gt;500, Deduct</i>	-2.76
05 05 23 00-0743	EA	5/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.84
		<i>For &gt;100 To 250, Deduct</i>	-1.84
		<i>For &gt;250 To 500, Deduct</i>	-2.30
		<i>For &gt;500, Deduct</i>	-2.76
05 05 23 00-0744	EA	5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.72
		<i>For &gt;100 To 250, Deduct</i>	-1.84
		<i>For &gt;250 To 500, Deduct</i>	-2.30
		<i>For &gt;500, Deduct</i>	-2.76
05 05 23 00-0745	EA	5/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.06
		<i>For &gt;100 To 250, Deduct</i>	-1.88
		<i>For &gt;250 To 500, Deduct</i>	-2.35
		<i>For &gt;500, Deduct</i>	-2.82
05 05 23 00-0746	EA	5/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.22
		<i>For &gt;100 To 250, Deduct</i>	-1.88
		<i>For &gt;250 To 500, Deduct</i>	-2.35
		<i>For &gt;500, Deduct</i>	-2.82
05 05 23 00-0747	EA	5/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.48
		<i>For &gt;100 To 250, Deduct</i>	-1.88
		<i>For &gt;250 To 500, Deduct</i>	-2.35
		<i>For &gt;500, Deduct</i>	-2.82
05 05 23 00-0748	EA	5/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.04
		<i>For &gt;100 To 250, Deduct</i>	-1.92
		<i>For &gt;250 To 500, Deduct</i>	-2.40
		<i>For &gt;500, Deduct</i>	-2.88
05 05 23 00-0749	EA	5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.35
		<i>For &gt;100 To 250, Deduct</i>	-1.92
		<i>For &gt;250 To 500, Deduct</i>	-2.40
		<i>For &gt;500, Deduct</i>	-2.88
05 05 23 00-0750	EA	5/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.25
		<i>For &gt;100 To 250, Deduct</i>	-1.92
		<i>For &gt;250 To 500, Deduct</i>	-2.40
		<i>For &gt;500, Deduct</i>	-2.88
05 05 23 00-0751	EA	5/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.51
		<i>For &gt;100 To 250, Deduct</i>	-1.96
		<i>For &gt;250 To 500, Deduct</i>	-2.45
		<i>For &gt;500, Deduct</i>	-2.94



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
05 05 23 00-0752	EA		5/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.09	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0753	EA		5/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.55	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0754	EA		5/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.41	
			<i>For &gt;100 To 250, Deduct</i>	-2.00	
			<i>For &gt;250 To 500, Deduct</i>	-2.50	
			<i>For &gt;500, Deduct</i>	-2.99	
05 05 23 00-0755	EA		5/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.16	
			<i>For &gt;100 To 250, Deduct</i>	-2.00	
			<i>For &gt;250 To 500, Deduct</i>	-2.50	
			<i>For &gt;500, Deduct</i>	-2.99	
05 05 23 00-0756	EA		5/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.86	
			<i>For &gt;100 To 250, Deduct</i>	-2.00	
			<i>For &gt;250 To 500, Deduct</i>	-2.50	
			<i>For &gt;500, Deduct</i>	-2.99	
05 05 23 00-0757	EA		5/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.99	
			<i>For &gt;100 To 250, Deduct</i>	-2.00	
			<i>For &gt;250 To 500, Deduct</i>	-2.50	
			<i>For &gt;500, Deduct</i>	-2.99	
<b>05 05 23 00-0758</b>			<b>3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex</b>		
			<b>Head Bolts</b> <small>(05 05 23 00-0654)</small>		
05 05 23 00-0759	EA		3/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.79	
			<i>For &gt;100 To 250, Deduct</i>	-1.80	
			<i>For &gt;250 To 500, Deduct</i>	-2.25	
			<i>For &gt;500, Deduct</i>	-2.70	
05 05 23 00-0760	EA		3/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.84	
			<i>For &gt;100 To 250, Deduct</i>	-1.80	
			<i>For &gt;250 To 500, Deduct</i>	-2.25	
			<i>For &gt;500, Deduct</i>	-2.70	
05 05 23 00-0761	EA		3/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.17	
			<i>For &gt;100 To 250, Deduct</i>	-1.80	
			<i>For &gt;250 To 500, Deduct</i>	-2.25	
			<i>For &gt;500, Deduct</i>	-2.70	
05 05 23 00-0762	EA		3/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.10	
			<i>For &gt;100 To 250, Deduct</i>	-1.84	
			<i>For &gt;250 To 500, Deduct</i>	-2.30	
			<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0763	EA		3/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.33	
			<i>For &gt;100 To 250, Deduct</i>	-1.84	
			<i>For &gt;250 To 500, Deduct</i>	-2.30	
			<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0764	EA		3/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.12	
			<i>For &gt;100 To 250, Deduct</i>	-1.84	
			<i>For &gt;250 To 500, Deduct</i>	-2.30	
			<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0765	EA		3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.74	
			<i>For &gt;100 To 250, Deduct</i>	-1.88	
			<i>For &gt;250 To 500, Deduct</i>	-2.35	
			<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0766	EA		3/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.81	
			<i>For &gt;100 To 250, Deduct</i>	-1.88	
			<i>For &gt;250 To 500, Deduct</i>	-2.35	
			<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0767	EA		3/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.98	
			<i>For &gt;100 To 250, Deduct</i>	-1.88	
			<i>For &gt;250 To 500, Deduct</i>	-2.35	
			<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0768	EA		3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.30	
			<i>For &gt;100 To 250, Deduct</i>	-1.92	
			<i>For &gt;250 To 500, Deduct</i>	-2.40	
			<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0769	EA		3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.34	
			<i>For &gt;100 To 250, Deduct</i>	-1.92	
			<i>For &gt;250 To 500, Deduct</i>	-2.40	
			<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0770	EA		3/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.78	
			<i>For &gt;100 To 250, Deduct</i>	-1.92	
			<i>For &gt;250 To 500, Deduct</i>	-2.40	
			<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0771	EA		3/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.83	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0772	EA		3/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.97	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0773	EA		3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.39	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

05 05 23 00-0774	EA	3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.22
		<i>For &gt;100 To 250, Deduct</i>	-2.00
		<i>For &gt;250 To 500, Deduct</i>	-2.50
		<i>For &gt;500, Deduct</i>	-2.99
05 05 23 00-0775	EA	3/4" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.67
		<i>For &gt;100 To 250, Deduct</i>	-2.00
		<i>For &gt;250 To 500, Deduct</i>	-2.50
		<i>For &gt;500, Deduct</i>	-2.99
05 05 23 00-0776	EA	3/4" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.92
		<i>For &gt;100 To 250, Deduct</i>	-2.00
		<i>For &gt;250 To 500, Deduct</i>	-2.50
		<i>For &gt;500, Deduct</i>	-2.99
05 05 23 00-0777	EA	3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.05
		<i>For &gt;100 To 250, Deduct</i>	-2.00
		<i>For &gt;250 To 500, Deduct</i>	-2.50
		<i>For &gt;500, Deduct</i>	-2.99

**05 05 23 00-0778 7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts**

05 05 23 00-0779	EA	7/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.33
		<i>For &gt;100 To 250, Deduct</i>	-2.00
		<i>For &gt;250 To 500, Deduct</i>	-2.50
		<i>For &gt;500, Deduct</i>	-2.99
05 05 23 00-0780	EA	7/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.84
		<i>For &gt;100 To 250, Deduct</i>	-2.00
		<i>For &gt;250 To 500, Deduct</i>	-2.50
		<i>For &gt;500, Deduct</i>	-2.99
05 05 23 00-0781	EA	7/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.33
		<i>For &gt;100 To 250, Deduct</i>	-2.04
		<i>For &gt;250 To 500, Deduct</i>	-2.55
		<i>For &gt;500, Deduct</i>	-3.06
05 05 23 00-0782	EA	7/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.97
		<i>For &gt;100 To 250, Deduct</i>	-2.04
		<i>For &gt;250 To 500, Deduct</i>	-2.55
		<i>For &gt;500, Deduct</i>	-3.06
05 05 23 00-0783	EA	7/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.37
		<i>For &gt;100 To 250, Deduct</i>	-2.04
		<i>For &gt;250 To 500, Deduct</i>	-2.55
		<i>For &gt;500, Deduct</i>	-3.06
05 05 23 00-0784	EA	7/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.07
		<i>For &gt;100 To 250, Deduct</i>	-2.08
		<i>For &gt;250 To 500, Deduct</i>	-2.60
		<i>For &gt;500, Deduct</i>	-3.12
05 05 23 00-0785	EA	7/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.63
		<i>For &gt;100 To 250, Deduct</i>	-2.08
		<i>For &gt;250 To 500, Deduct</i>	-2.60
		<i>For &gt;500, Deduct</i>	-3.12
05 05 23 00-0786	EA	7/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.33
		<i>For &gt;100 To 250, Deduct</i>	-2.08
		<i>For &gt;250 To 500, Deduct</i>	-2.60
		<i>For &gt;500, Deduct</i>	-3.12
05 05 23 00-0787	EA	7/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.03
		<i>For &gt;100 To 250, Deduct</i>	-2.12
		<i>For &gt;250 To 500, Deduct</i>	-2.65
		<i>For &gt;500, Deduct</i>	-3.18
05 05 23 00-0788	EA	7/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.58
		<i>For &gt;100 To 250, Deduct</i>	-2.12
		<i>For &gt;250 To 500, Deduct</i>	-2.65
		<i>For &gt;500, Deduct</i>	-3.18
05 05 23 00-0789	EA	7/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	26.94
		<i>For &gt;100 To 250, Deduct</i>	-2.12
		<i>For &gt;250 To 500, Deduct</i>	-2.65
		<i>For &gt;500, Deduct</i>	-3.18
05 05 23 00-0790	EA	7/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	27.74
		<i>For &gt;100 To 250, Deduct</i>	-2.16
		<i>For &gt;250 To 500, Deduct</i>	-2.70
		<i>For &gt;500, Deduct</i>	-3.24
05 05 23 00-0791	EA	7/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	28.76
		<i>For &gt;100 To 250, Deduct</i>	-2.16
		<i>For &gt;250 To 500, Deduct</i>	-2.70
		<i>For &gt;500, Deduct</i>	-3.24
05 05 23 00-0792	EA	7/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	29.00
		<i>For &gt;100 To 250, Deduct</i>	-2.16
		<i>For &gt;250 To 500, Deduct</i>	-2.70
		<i>For &gt;500, Deduct</i>	-3.24
05 05 23 00-0793	EA	7/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	29.48
		<i>For &gt;100 To 250, Deduct</i>	-2.20
		<i>For &gt;250 To 500, Deduct</i>	-2.75
		<i>For &gt;500, Deduct</i>	-3.30
05 05 23 00-0794	EA	7/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	30.05
		<i>For &gt;100 To 250, Deduct</i>	-2.20
		<i>For &gt;250 To 500, Deduct</i>	-2.75
		<i>For &gt;500, Deduct</i>	-3.30
05 05 23 00-0795	EA	7/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	30.75
		<i>For &gt;100 To 250, Deduct</i>	-2.20
		<i>For &gt;250 To 500, Deduct</i>	-2.75
		<i>For &gt;500, Deduct</i>	-3.30

	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 05 23 00-0796	EA 7/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	31.42		
	For >100 To 250, Deduct	-2.20		
	For >250 To 500, Deduct	-2.75		
	For >500, Deduct	-3.30		
05 05 23 00-0797	<b>1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts</b> <small>(05 05 23 00-0654)</small>			
05 05 23 00-0798	EA 1" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.87		
	For >100 To 250, Deduct	-2.00		
	For >250 To 500, Deduct	-2.50		
	For >500, Deduct	-2.99		
05 05 23 00-0799	EA 1" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.24		
	For >100 To 250, Deduct	-2.04		
	For >250 To 500, Deduct	-2.55		
	For >500, Deduct	-3.06		
05 05 23 00-0800	EA 1" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.19		
	For >100 To 250, Deduct	-2.04		
	For >250 To 500, Deduct	-2.55		
	For >500, Deduct	-3.06		
05 05 23 00-0801	EA 1" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.93		
	For >100 To 250, Deduct	-2.04		
	For >250 To 500, Deduct	-2.55		
	For >500, Deduct	-3.06		
05 05 23 00-0802	EA 1" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.84		
	For >100 To 250, Deduct	-2.08		
	For >250 To 500, Deduct	-2.60		
	For >500, Deduct	-3.12		
05 05 23 00-0803	EA 1" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.22		
	For >100 To 250, Deduct	-2.08		
	For >250 To 500, Deduct	-2.60		
	For >500, Deduct	-3.12		
05 05 23 00-0804	EA 1" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	24.32		
	For >100 To 250, Deduct	-2.08		
	For >250 To 500, Deduct	-2.60		
	For >500, Deduct	-3.12		
05 05 23 00-0805	EA 1" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	24.64		
	For >100 To 250, Deduct	-2.12		
	For >250 To 500, Deduct	-2.65		
	For >500, Deduct	-3.18		
05 05 23 00-0806	EA 1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	25.05		
	For >100 To 250, Deduct	-2.12		
	For >250 To 500, Deduct	-2.65		
	For >500, Deduct	-3.18		
05 05 23 00-0807	EA 1" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	28.79		
	For >100 To 250, Deduct	-2.12		
	For >250 To 500, Deduct	-2.65		
	For >500, Deduct	-3.18		
05 05 23 00-0808	EA 1" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	29.69		
	For >100 To 250, Deduct	-2.16		
	For >250 To 500, Deduct	-2.70		
	For >500, Deduct	-3.24		
05 05 23 00-0809	EA 1" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	31.26		
	For >100 To 250, Deduct	-2.16		
	For >250 To 500, Deduct	-2.70		
	For >500, Deduct	-3.24		
05 05 23 00-0810	EA 1" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	32.81		
	For >100 To 250, Deduct	-2.16		
	For >250 To 500, Deduct	-2.70		
	For >500, Deduct	-3.24		
05 05 23 00-0811	EA 1" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	33.48		
	For >100 To 250, Deduct	-2.20		
	For >250 To 500, Deduct	-2.75		
	For >500, Deduct	-3.30		
05 05 23 00-0812	EA 1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	34.74		
	For >100 To 250, Deduct	-2.20		
	For >250 To 500, Deduct	-2.75		
	For >500, Deduct	-3.30		
05 05 23 00-0813	EA 1" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	35.70		
	For >100 To 250, Deduct	-2.20		
	For >250 To 500, Deduct	-2.75		
	For >500, Deduct	-3.30		
05 05 23 00-0814	EA 1" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	37.11		
	For >100 To 250, Deduct	-2.20		
	For >250 To 500, Deduct	-2.75		
	For >500, Deduct	-3.30		
05 05 23 00-0815	<b>304/18-8 Stainless Steel, Hex Head Bolts</b> <small>(05 05 23 00-0097)</small>			
05 05 23 00-0816	<b>1/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts</b> <small>(05 05 23 00-0815)</small>			
05 05 23 00-0817	EA 1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	7.28		
	For >100 To 250, Deduct	-1.40		
	For >250 To 500, Deduct	-1.75		
	For >500, Deduct	-2.10		
05 05 23 00-0818	EA 1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	7.40		
	For >100 To 250, Deduct	-1.40		
	For >250 To 500, Deduct	-1.75		
	For >500, Deduct	-2.10		

## 05 Metals

## 05 05 Common Work Results for Metals

## 05 05 23 Metal Fastenings

 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

05 05 23 00-0819	EA	1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.54	
		<i>For &gt;100 To 250, Deduct</i>	-1.40	
		<i>For &gt;250 To 500, Deduct</i>	-1.75	
		<i>For &gt;500, Deduct</i>	-2.10	
05 05 23 00-0820	EA	1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.69	
		<i>For &gt;100 To 250, Deduct</i>	-1.40	
		<i>For &gt;250 To 500, Deduct</i>	-1.75	
		<i>For &gt;500, Deduct</i>	-2.10	
05 05 23 00-0821	EA	1/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.04	
		<i>For &gt;100 To 250, Deduct</i>	-1.44	
		<i>For &gt;250 To 500, Deduct</i>	-1.80	
		<i>For &gt;500, Deduct</i>	-2.16	
05 05 23 00-0822	EA	1/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.26	
		<i>For &gt;100 To 250, Deduct</i>	-1.44	
		<i>For &gt;250 To 500, Deduct</i>	-1.80	
		<i>For &gt;500, Deduct</i>	-2.16	
05 05 23 00-0823	EA	1/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.53	
		<i>For &gt;100 To 250, Deduct</i>	-1.44	
		<i>For &gt;250 To 500, Deduct</i>	-1.80	
		<i>For &gt;500, Deduct</i>	-2.16	
05 05 23 00-0824	EA	1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.92	
		<i>For &gt;100 To 250, Deduct</i>	-1.48	
		<i>For &gt;250 To 500, Deduct</i>	-1.85	
		<i>For &gt;500, Deduct</i>	-2.22	
05 05 23 00-0825	EA	1/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.25	
		<i>For &gt;100 To 250, Deduct</i>	-1.48	
		<i>For &gt;250 To 500, Deduct</i>	-1.85	
		<i>For &gt;500, Deduct</i>	-2.22	
05 05 23 00-0826	EA	1/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.54	
		<i>For &gt;100 To 250, Deduct</i>	-1.48	
		<i>For &gt;250 To 500, Deduct</i>	-1.85	
		<i>For &gt;500, Deduct</i>	-2.22	
05 05 23 00-0827	EA	1/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.99	
		<i>For &gt;100 To 250, Deduct</i>	-1.52	
		<i>For &gt;250 To 500, Deduct</i>	-1.90	
		<i>For &gt;500, Deduct</i>	-2.28	
05 05 23 00-0828	EA	1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.48	
		<i>For &gt;100 To 250, Deduct</i>	-1.52	
		<i>For &gt;250 To 500, Deduct</i>	-1.90	
		<i>For &gt;500, Deduct</i>	-2.28	
05 05 23 00-0829	EA	1/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.41	
		<i>For &gt;100 To 250, Deduct</i>	-1.52	
		<i>For &gt;250 To 500, Deduct</i>	-1.90	
		<i>For &gt;500, Deduct</i>	-2.28	
05 05 23 00-0830	EA	1/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.50	
		<i>For &gt;100 To 250, Deduct</i>	-1.56	
		<i>For &gt;250 To 500, Deduct</i>	-1.95	
		<i>For &gt;500, Deduct</i>	-2.34	
05 05 23 00-0831	EA	1/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.78	
		<i>For &gt;100 To 250, Deduct</i>	-1.56	
		<i>For &gt;250 To 500, Deduct</i>	-1.95	
		<i>For &gt;500, Deduct</i>	-2.34	
05 05 23 00-0832	EA	1/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.44	
		<i>For &gt;100 To 250, Deduct</i>	-1.56	
		<i>For &gt;250 To 500, Deduct</i>	-1.95	
		<i>For &gt;500, Deduct</i>	-2.34	
05 05 23 00-0833		<b>5/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts</b> (05 05 23 00-0815)		
05 05 23 00-0834	EA	5/16" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.49	
		<i>For &gt;100 To 250, Deduct</i>	-1.40	
		<i>For &gt;250 To 500, Deduct</i>	-1.75	
		<i>For &gt;500, Deduct</i>	-2.10	
05 05 23 00-0835	EA	5/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.59	
		<i>For &gt;100 To 250, Deduct</i>	-1.40	
		<i>For &gt;250 To 500, Deduct</i>	-1.75	
		<i>For &gt;500, Deduct</i>	-2.10	
05 05 23 00-0836	EA	5/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.80	
		<i>For &gt;100 To 250, Deduct</i>	-1.40	
		<i>For &gt;250 To 500, Deduct</i>	-1.75	
		<i>For &gt;500, Deduct</i>	-2.10	
05 05 23 00-0837	EA	5/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.98	
		<i>For &gt;100 To 250, Deduct</i>	-1.40	
		<i>For &gt;250 To 500, Deduct</i>	-1.75	
		<i>For &gt;500, Deduct</i>	-2.10	
05 05 23 00-0838	EA	5/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.49	
		<i>For &gt;100 To 250, Deduct</i>	-1.44	
		<i>For &gt;250 To 500, Deduct</i>	-1.80	
		<i>For &gt;500, Deduct</i>	-2.16	
05 05 23 00-0839	EA	5/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.59	
		<i>For &gt;100 To 250, Deduct</i>	-1.44	
		<i>For &gt;250 To 500, Deduct</i>	-1.80	
		<i>For &gt;500, Deduct</i>	-2.16	
05 05 23 00-0840	EA	5/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.15	
		<i>For &gt;100 To 250, Deduct</i>	-1.44	
		<i>For &gt;250 To 500, Deduct</i>	-1.80	
		<i>For &gt;500, Deduct</i>	-2.16	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
					UNIT COST	UNIT COST

05 05 23 00-0841	EA			5/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 9.73		
				<i>For &gt;100 To 250, Deduct</i>	-1.48	
				<i>For &gt;250 To 500, Deduct</i>	-1.85	
				<i>For &gt;500, Deduct</i>	-2.22	
05 05 23 00-0842	EA			5/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 10.34		
				<i>For &gt;100 To 250, Deduct</i>	-1.48	
				<i>For &gt;250 To 500, Deduct</i>	-1.85	
				<i>For &gt;500, Deduct</i>	-2.22	
05 05 23 00-0843	EA			5/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 10.65		
				<i>For &gt;100 To 250, Deduct</i>	-1.48	
				<i>For &gt;250 To 500, Deduct</i>	-1.85	
				<i>For &gt;500, Deduct</i>	-2.22	
05 05 23 00-0844	EA			5/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 11.80		
				<i>For &gt;100 To 250, Deduct</i>	-1.52	
				<i>For &gt;250 To 500, Deduct</i>	-1.90	
				<i>For &gt;500, Deduct</i>	-2.28	
05 05 23 00-0845	EA			5/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 13.34		
				<i>For &gt;100 To 250, Deduct</i>	-1.52	
				<i>For &gt;250 To 500, Deduct</i>	-1.90	
				<i>For &gt;500, Deduct</i>	-2.28	
05 05 23 00-0846	EA			5/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 16.87		
				<i>For &gt;100 To 250, Deduct</i>	-1.52	
				<i>For &gt;250 To 500, Deduct</i>	-1.90	
				<i>For &gt;500, Deduct</i>	-2.28	
05 05 23 00-0847	EA			5/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 22.78		
				<i>For &gt;100 To 250, Deduct</i>	-1.56	
				<i>For &gt;250 To 500, Deduct</i>	-1.95	
				<i>For &gt;500, Deduct</i>	-2.34	

**05 05 23 00-0848 3/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts** (05 05 23 00-0815)

05 05 23 00-0849	EA			3/8" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 7.76		
				<i>For &gt;100 To 250, Deduct</i>	-1.40	
				<i>For &gt;250 To 500, Deduct</i>	-1.75	
				<i>For &gt;500, Deduct</i>	-2.10	
05 05 23 00-0850	EA			3/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 7.88		
				<i>For &gt;100 To 250, Deduct</i>	-1.40	
				<i>For &gt;250 To 500, Deduct</i>	-1.75	
				<i>For &gt;500, Deduct</i>	-2.10	
05 05 23 00-0851	EA			3/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 8.22		
				<i>For &gt;100 To 250, Deduct</i>	-1.40	
				<i>For &gt;250 To 500, Deduct</i>	-1.75	
				<i>For &gt;500, Deduct</i>	-2.10	
05 05 23 00-0852	EA			3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 8.64		
				<i>For &gt;100 To 250, Deduct</i>	-1.40	
				<i>For &gt;250 To 500, Deduct</i>	-1.75	
				<i>For &gt;500, Deduct</i>	-2.10	
05 05 23 00-0853	EA			3/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 9.06		
				<i>For &gt;100 To 250, Deduct</i>	-1.44	
				<i>For &gt;250 To 500, Deduct</i>	-1.80	
				<i>For &gt;500, Deduct</i>	-2.16	
05 05 23 00-0854	EA			3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 9.40		
				<i>For &gt;100 To 250, Deduct</i>	-1.44	
				<i>For &gt;250 To 500, Deduct</i>	-1.80	
				<i>For &gt;500, Deduct</i>	-2.16	
05 05 23 00-0855	EA			3/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 9.84		
				<i>For &gt;100 To 250, Deduct</i>	-1.44	
				<i>For &gt;250 To 500, Deduct</i>	-1.80	
				<i>For &gt;500, Deduct</i>	-2.16	
05 05 23 00-0856	EA			3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 10.44		
				<i>For &gt;100 To 250, Deduct</i>	-1.48	
				<i>For &gt;250 To 500, Deduct</i>	-1.85	
				<i>For &gt;500, Deduct</i>	-2.22	
05 05 23 00-0857	EA			3/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 10.96		
				<i>For &gt;100 To 250, Deduct</i>	-1.48	
				<i>For &gt;250 To 500, Deduct</i>	-1.85	
				<i>For &gt;500, Deduct</i>	-2.22	
05 05 23 00-0858	EA			3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 12.12		
				<i>For &gt;100 To 250, Deduct</i>	-1.48	
				<i>For &gt;250 To 500, Deduct</i>	-1.85	
				<i>For &gt;500, Deduct</i>	-2.22	
05 05 23 00-0859	EA			3/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 12.46		
				<i>For &gt;100 To 250, Deduct</i>	-1.52	
				<i>For &gt;250 To 500, Deduct</i>	-1.90	
				<i>For &gt;500, Deduct</i>	-2.28	
05 05 23 00-0860	EA			3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 13.42		
				<i>For &gt;100 To 250, Deduct</i>	-1.52	
				<i>For &gt;250 To 500, Deduct</i>	-1.90	
				<i>For &gt;500, Deduct</i>	-2.28	
05 05 23 00-0861	EA			3/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 15.46		
				<i>For &gt;100 To 250, Deduct</i>	-1.52	
				<i>For &gt;250 To 500, Deduct</i>	-1.90	
				<i>For &gt;500, Deduct</i>	-2.28	
05 05 23 00-0862	EA			3/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 16.14		
				<i>For &gt;100 To 250, Deduct</i>	-1.56	
				<i>For &gt;250 To 500, Deduct</i>	-1.95	
				<i>For &gt;500, Deduct</i>	-2.34	

## 05 Metals

## 05 05 Common Work Results for Metals

## 05 05 23 Metal Fastenings

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 23 00-0863	EA 3/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	16.44	
	For >100 To 250, Deduct	-1.56	
	For >250 To 500, Deduct	-1.95	
	For >500, Deduct	-2.34	
05 05 23 00-0864	EA 3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	18.48	
	For >100 To 250, Deduct	-1.56	
	For >250 To 500, Deduct	-1.95	
	For >500, Deduct	-2.34	
<b>05 05 23 00-0865</b>	<b>7/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0815)</b>		
05 05 23 00-0866	EA 7/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	9.83	
	For >100 To 250, Deduct	-1.60	
	For >250 To 500, Deduct	-2.00	
	For >500, Deduct	-2.40	
05 05 23 00-0867	EA 7/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	9.97	
	For >100 To 250, Deduct	-1.60	
	For >250 To 500, Deduct	-2.00	
	For >500, Deduct	-2.40	
05 05 23 00-0868	EA 7/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	10.51	
	For >100 To 250, Deduct	-1.60	
	For >250 To 500, Deduct	-2.00	
	For >500, Deduct	-2.40	
05 05 23 00-0869	EA 7/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	11.04	
	For >100 To 250, Deduct	-1.64	
	For >250 To 500, Deduct	-2.05	
	For >500, Deduct	-2.46	
05 05 23 00-0870	EA 7/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	11.69	
	For >100 To 250, Deduct	-1.64	
	For >250 To 500, Deduct	-2.05	
	For >500, Deduct	-2.46	
05 05 23 00-0871	EA 7/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	12.77	
	For >100 To 250, Deduct	-1.64	
	For >250 To 500, Deduct	-2.05	
	For >500, Deduct	-2.46	
05 05 23 00-0872	EA 7/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	13.46	
	For >100 To 250, Deduct	-1.68	
	For >250 To 500, Deduct	-2.10	
	For >500, Deduct	-2.52	
05 05 23 00-0873	EA 7/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	14.73	
	For >100 To 250, Deduct	-1.68	
	For >250 To 500, Deduct	-2.10	
	For >500, Deduct	-2.52	
05 05 23 00-0874	EA 7/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	15.29	
	For >100 To 250, Deduct	-1.68	
	For >250 To 500, Deduct	-2.10	
	For >500, Deduct	-2.52	
05 05 23 00-0875	EA 7/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	17.23	
	For >100 To 250, Deduct	-1.72	
	For >250 To 500, Deduct	-2.15	
	For >500, Deduct	-2.58	
05 05 23 00-0876	EA 7/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	19.16	
	For >100 To 250, Deduct	-1.72	
	For >250 To 500, Deduct	-2.15	
	For >500, Deduct	-2.58	
05 05 23 00-0877	EA 7/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	19.43	
	For >100 To 250, Deduct	-1.72	
	For >250 To 500, Deduct	-2.15	
	For >500, Deduct	-2.58	
05 05 23 00-0878	EA 7/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	19.85	
	For >100 To 250, Deduct	-1.76	
	For >250 To 500, Deduct	-2.20	
	For >500, Deduct	-2.64	
<b>05 05 23 00-0879</b>	<b>1/2" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0815)</b>		
05 05 23 00-0880	EA 1/2" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	9.81	
	For >100 To 250, Deduct	-1.60	
	For >250 To 500, Deduct	-2.00	
	For >500, Deduct	-2.40	
05 05 23 00-0881	EA 1/2" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	9.97	
	For >100 To 250, Deduct	-1.60	
	For >250 To 500, Deduct	-2.00	
	For >500, Deduct	-2.40	
05 05 23 00-0882	EA 1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	10.82	
	For >100 To 250, Deduct	-1.60	
	For >250 To 500, Deduct	-2.00	
	For >500, Deduct	-2.40	
05 05 23 00-0883	EA 1/2" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	11.36	
	For >100 To 250, Deduct	-1.64	
	For >250 To 500, Deduct	-2.05	
	For >500, Deduct	-2.46	
05 05 23 00-0884	EA 1/2" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	12.13	
	For >100 To 250, Deduct	-1.64	
	For >250 To 500, Deduct	-2.05	
	For >500, Deduct	-2.46	
05 05 23 00-0885	EA 1/2" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	12.55	
	For >100 To 250, Deduct	-1.64	
	For >250 To 500, Deduct	-2.05	
	For >500, Deduct	-2.46	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 05 23 00-0886	EA	1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	13.26	
		For >100 To 250, Deduct	-1.68	
		For >250 To 500, Deduct	-2.10	
		For >500, Deduct	-2.52	
05 05 23 00-0887	EA	1/2" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	13.63	
		For >100 To 250, Deduct	-1.68	
		For >250 To 500, Deduct	-2.10	
		For >500, Deduct	-2.52	
05 05 23 00-0888	EA	1/2" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	15.66	
		For >100 To 250, Deduct	-1.68	
		For >250 To 500, Deduct	-2.10	
		For >500, Deduct	-2.52	
05 05 23 00-0889	EA	1/2" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	16.43	
		For >100 To 250, Deduct	-1.72	
		For >250 To 500, Deduct	-2.15	
		For >500, Deduct	-2.58	
05 05 23 00-0890	EA	1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	17.34	
		For >100 To 250, Deduct	-1.72	
		For >250 To 500, Deduct	-2.15	
		For >500, Deduct	-2.58	
05 05 23 00-0891	EA	1/2" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	18.37	
		For >100 To 250, Deduct	-1.72	
		For >250 To 500, Deduct	-2.15	
		For >500, Deduct	-2.58	
05 05 23 00-0892	EA	1/2" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	20.10	
		For >100 To 250, Deduct	-1.76	
		For >250 To 500, Deduct	-2.20	
		For >500, Deduct	-2.64	
05 05 23 00-0893	EA	1/2" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	20.71	
		For >100 To 250, Deduct	-1.76	
		For >250 To 500, Deduct	-2.20	
		For >500, Deduct	-2.64	
05 05 23 00-0894	EA	1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	21.69	
		For >100 To 250, Deduct	-1.76	
		For >250 To 500, Deduct	-2.20	
		For >500, Deduct	-2.64	
05 05 23 00-0895	EA	1/2" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	26.65	
		For >100 To 250, Deduct	-1.80	
		For >250 To 500, Deduct	-2.25	
		For >500, Deduct	-2.70	
05 05 23 00-0896	EA	1/2" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	27.04	
		For >100 To 250, Deduct	-1.80	
		For >250 To 500, Deduct	-2.25	
		For >500, Deduct	-2.70	
05 05 23 00-0897	EA	1/2" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	29.73	
		For >100 To 250, Deduct	-1.80	
		For >250 To 500, Deduct	-2.25	
		For >500, Deduct	-2.70	
05 05 23 00-0898	EA	1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	32.41	
		For >100 To 250, Deduct	-1.80	
		For >250 To 500, Deduct	-2.25	
		For >500, Deduct	-2.70	

**05 05 23 00-0899 9/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0815)**

05 05 23 00-0900	EA	9/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	14.27	
		For >100 To 250, Deduct	-1.60	
		For >250 To 500, Deduct	-2.00	
		For >500, Deduct	-2.40	
05 05 23 00-0901	EA	9/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	16.03	
		For >100 To 250, Deduct	-1.60	
		For >250 To 500, Deduct	-2.00	
		For >500, Deduct	-2.40	
05 05 23 00-0902	EA	9/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	19.13	
		For >100 To 250, Deduct	-1.60	
		For >250 To 500, Deduct	-2.00	
		For >500, Deduct	-2.40	
05 05 23 00-0903	EA	9/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	19.94	
		For >100 To 250, Deduct	-1.64	
		For >250 To 500, Deduct	-2.05	
		For >500, Deduct	-2.46	
05 05 23 00-0904	EA	9/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	21.04	
		For >100 To 250, Deduct	-1.64	
		For >250 To 500, Deduct	-2.05	
		For >500, Deduct	-2.46	
05 05 23 00-0905	EA	9/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	22.96	
		For >100 To 250, Deduct	-1.64	
		For >250 To 500, Deduct	-2.05	
		For >500, Deduct	-2.46	
05 05 23 00-0906	EA	9/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	25.98	
		For >100 To 250, Deduct	-1.68	
		For >250 To 500, Deduct	-2.10	
		For >500, Deduct	-2.52	
05 05 23 00-0907	EA	9/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	26.41	
		For >100 To 250, Deduct	-1.68	
		For >250 To 500, Deduct	-2.10	
		For >500, Deduct	-2.52	

## 05 Metals

## 05 05 Common Work Results for Metals

## 05 05 23 Metal Fastenings

 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

05 05 23 00-0908	EA	9/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	30.46	
		<i>For &gt;100 To 250, Deduct</i>	-1.68	
		<i>For &gt;250 To 500, Deduct</i>	-2.10	
		<i>For &gt;500, Deduct</i>	-2.52	
05 05 23 00-0909	EA	9/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	32.57	
		<i>For &gt;100 To 250, Deduct</i>	-1.72	
		<i>For &gt;250 To 500, Deduct</i>	-2.15	
		<i>For &gt;500, Deduct</i>	-2.58	
05 05 23 00-0910	EA	9/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	34.74	
		<i>For &gt;100 To 250, Deduct</i>	-1.72	
		<i>For &gt;250 To 500, Deduct</i>	-2.15	
		<i>For &gt;500, Deduct</i>	-2.58	
<b>05 05 23 00-0911</b>		<b>5/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts</b> <small>(05 05 23 00-0915)</small>		
05 05 23 00-0912	EA	5/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.32	
		<i>For &gt;100 To 250, Deduct</i>	-1.80	
		<i>For &gt;250 To 500, Deduct</i>	-2.25	
		<i>For &gt;500, Deduct</i>	-2.70	
05 05 23 00-0913	EA	5/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.72	
		<i>For &gt;100 To 250, Deduct</i>	-1.80	
		<i>For &gt;250 To 500, Deduct</i>	-2.25	
		<i>For &gt;500, Deduct</i>	-2.70	
05 05 23 00-0914	EA	5/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.40	
		<i>For &gt;100 To 250, Deduct</i>	-1.80	
		<i>For &gt;250 To 500, Deduct</i>	-2.25	
		<i>For &gt;500, Deduct</i>	-2.70	
05 05 23 00-0915	EA	5/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.88	
		<i>For &gt;100 To 250, Deduct</i>	-1.84	
		<i>For &gt;250 To 500, Deduct</i>	-2.30	
		<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0916	EA	5/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.69	
		<i>For &gt;100 To 250, Deduct</i>	-1.84	
		<i>For &gt;250 To 500, Deduct</i>	-2.30	
		<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0917	EA	5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.83	
		<i>For &gt;100 To 250, Deduct</i>	-1.84	
		<i>For &gt;250 To 500, Deduct</i>	-2.30	
		<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0918	EA	5/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.47	
		<i>For &gt;100 To 250, Deduct</i>	-1.88	
		<i>For &gt;250 To 500, Deduct</i>	-2.35	
		<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0919	EA	5/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.48	
		<i>For &gt;100 To 250, Deduct</i>	-1.88	
		<i>For &gt;250 To 500, Deduct</i>	-2.35	
		<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0920	EA	5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.77	
		<i>For &gt;100 To 250, Deduct</i>	-1.88	
		<i>For &gt;250 To 500, Deduct</i>	-2.35	
		<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0921	EA	5/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.69	
		<i>For &gt;100 To 250, Deduct</i>	-1.92	
		<i>For &gt;250 To 500, Deduct</i>	-2.40	
		<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0922	EA	5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.85	
		<i>For &gt;100 To 250, Deduct</i>	-1.92	
		<i>For &gt;250 To 500, Deduct</i>	-2.40	
		<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0923	EA	5/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	26.09	
		<i>For &gt;100 To 250, Deduct</i>	-1.92	
		<i>For &gt;250 To 500, Deduct</i>	-2.40	
		<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0924	EA	5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	28.61	
		<i>For &gt;100 To 250, Deduct</i>	-1.96	
		<i>For &gt;250 To 500, Deduct</i>	-2.45	
		<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0925	EA	5/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	30.53	
		<i>For &gt;100 To 250, Deduct</i>	-1.96	
		<i>For &gt;250 To 500, Deduct</i>	-2.45	
		<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0926	EA	5/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	31.40	
		<i>For &gt;100 To 250, Deduct</i>	-1.96	
		<i>For &gt;250 To 500, Deduct</i>	-2.45	
		<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0927	EA	5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	35.13	
		<i>For &gt;100 To 250, Deduct</i>	-2.00	
		<i>For &gt;250 To 500, Deduct</i>	-2.50	
		<i>For &gt;500, Deduct</i>	-2.99	
05 05 23 00-0928	EA	5/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	36.26	
		<i>For &gt;100 To 250, Deduct</i>	-2.00	
		<i>For &gt;250 To 500, Deduct</i>	-2.50	
		<i>For &gt;500, Deduct</i>	-2.99	
05 05 23 00-0929	EA	5/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	41.30	
		<i>For &gt;100 To 250, Deduct</i>	-2.00	
		<i>For &gt;250 To 500, Deduct</i>	-2.50	
		<i>For &gt;500, Deduct</i>	-2.99	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 05 23 00-0930	EA		5/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 43.37 For >100 To 250, Deduct -2.00 For >250 To 500, Deduct -2.50 For >500, Deduct -2.99		
<b>05 05 23 00-0931</b>			<b>3/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0815)</b>		
05 05 23 00-0932	EA		3/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 14.16 For >100 To 250, Deduct -1.80 For >250 To 500, Deduct -2.25 For >500, Deduct -2.70		
05 05 23 00-0933	EA		3/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 14.94 For >100 To 250, Deduct -1.80 For >250 To 500, Deduct -2.25 For >500, Deduct -2.70		
05 05 23 00-0934	EA		3/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 15.98 For >100 To 250, Deduct -1.80 For >250 To 500, Deduct -2.25 For >500, Deduct -2.70		
05 05 23 00-0935	EA		3/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 17.31 For >100 To 250, Deduct -1.84 For >250 To 500, Deduct -2.30 For >500, Deduct -2.76		
05 05 23 00-0936	EA		3/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 18.45 For >100 To 250, Deduct -1.84 For >250 To 500, Deduct -2.30 For >500, Deduct -2.76		
05 05 23 00-0937	EA		3/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 20.39 For >100 To 250, Deduct -1.84 For >250 To 500, Deduct -2.30 For >500, Deduct -2.76		
05 05 23 00-0938	EA		3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 21.73 For >100 To 250, Deduct -1.88 For >250 To 500, Deduct -2.35 For >500, Deduct -2.82		
05 05 23 00-0939	EA		3/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 23.53 For >100 To 250, Deduct -1.88 For >250 To 500, Deduct -2.35 For >500, Deduct -2.82		
05 05 23 00-0940	EA		3/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 24.96 For >100 To 250, Deduct -1.88 For >250 To 500, Deduct -2.35 For >500, Deduct -2.82		
05 05 23 00-0941	EA		3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 26.65 For >100 To 250, Deduct -1.92 For >250 To 500, Deduct -2.40 For >500, Deduct -2.88		
05 05 23 00-0942	EA		3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 28.32 For >100 To 250, Deduct -1.92 For >250 To 500, Deduct -2.40 For >500, Deduct -2.88		
05 05 23 00-0943	EA		3/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 31.46 For >100 To 250, Deduct -1.92 For >250 To 500, Deduct -2.40 For >500, Deduct -2.88		
05 05 23 00-0944	EA		3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 40.00 For >100 To 250, Deduct -1.96 For >250 To 500, Deduct -2.45 For >500, Deduct -2.94		
05 05 23 00-0945	EA		3/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 42.66 For >100 To 250, Deduct -1.96 For >250 To 500, Deduct -2.45 For >500, Deduct -2.94		
05 05 23 00-0946	EA		3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 48.35 For >100 To 250, Deduct -1.96 For >250 To 500, Deduct -2.45 For >500, Deduct -2.94		
05 05 23 00-0947	EA		3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 48.80 For >100 To 250, Deduct -2.00 For >250 To 500, Deduct -2.50 For >500, Deduct -2.99		
05 05 23 00-0948	EA		3/4" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 49.70 For >100 To 250, Deduct -2.00 For >250 To 500, Deduct -2.50 For >500, Deduct -2.99		
05 05 23 00-0949	EA		3/4" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 52.13 For >100 To 250, Deduct -2.00 For >250 To 500, Deduct -2.50 For >500, Deduct -2.99		
05 05 23 00-0950	EA		3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 54.00 For >100 To 250, Deduct -2.00 For >250 To 500, Deduct -2.50 For >500, Deduct -2.99		
<b>05 05 23 00-0951</b>			<b>7/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0815)</b>		
05 05 23 00-0952	EA		7/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 20.10 For >100 To 250, Deduct -2.00 For >250 To 500, Deduct -2.50 For >500, Deduct -2.99		

## 05 Metals

## 05 05 Common Work Results for Metals

## 05 05 23 Metal Fastenings

 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

05 05 23 00-0953	EA	7/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.06	
		<i>For &gt;100 To 250, Deduct</i>	-2.00	
		<i>For &gt;250 To 500, Deduct</i>	-2.50	
		<i>For &gt;500, Deduct</i>	-2.99	
05 05 23 00-0954	EA	7/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.77	
		<i>For &gt;100 To 250, Deduct</i>	-2.04	
		<i>For &gt;250 To 500, Deduct</i>	-2.55	
		<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0955	EA	7/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.76	
		<i>For &gt;100 To 250, Deduct</i>	-2.04	
		<i>For &gt;250 To 500, Deduct</i>	-2.55	
		<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0956	EA	7/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	26.41	
		<i>For &gt;100 To 250, Deduct</i>	-2.04	
		<i>For &gt;250 To 500, Deduct</i>	-2.55	
		<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0957	EA	7/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	28.25	
		<i>For &gt;100 To 250, Deduct</i>	-2.08	
		<i>For &gt;250 To 500, Deduct</i>	-2.60	
		<i>For &gt;500, Deduct</i>	-3.12	
05 05 23 00-0958	EA	7/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	28.89	
		<i>For &gt;100 To 250, Deduct</i>	-2.08	
		<i>For &gt;250 To 500, Deduct</i>	-2.60	
		<i>For &gt;500, Deduct</i>	-3.12	
05 05 23 00-0959	EA	7/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	33.23	
		<i>For &gt;100 To 250, Deduct</i>	-2.08	
		<i>For &gt;250 To 500, Deduct</i>	-2.60	
		<i>For &gt;500, Deduct</i>	-3.12	
05 05 23 00-0960	EA	7/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	34.08	
		<i>For &gt;100 To 250, Deduct</i>	-2.12	
		<i>For &gt;250 To 500, Deduct</i>	-2.65	
		<i>For &gt;500, Deduct</i>	-3.18	
05 05 23 00-0961	EA	7/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	35.75	
		<i>For &gt;100 To 250, Deduct</i>	-2.12	
		<i>For &gt;250 To 500, Deduct</i>	-2.65	
		<i>For &gt;500, Deduct</i>	-3.18	
05 05 23 00-0962	EA	7/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	44.96	
		<i>For &gt;100 To 250, Deduct</i>	-2.12	
		<i>For &gt;250 To 500, Deduct</i>	-2.65	
		<i>For &gt;500, Deduct</i>	-3.18	
05 05 23 00-0963	EA	7/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	48.68	
		<i>For &gt;100 To 250, Deduct</i>	-2.16	
		<i>For &gt;250 To 500, Deduct</i>	-2.70	
		<i>For &gt;500, Deduct</i>	-3.24	
05 05 23 00-0964	EA	7/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	52.81	
		<i>For &gt;100 To 250, Deduct</i>	-2.16	
		<i>For &gt;250 To 500, Deduct</i>	-2.70	
		<i>For &gt;500, Deduct</i>	-3.24	
05 05 23 00-0965	EA	7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	56.14	
		<i>For &gt;100 To 250, Deduct</i>	-2.16	
		<i>For &gt;250 To 500, Deduct</i>	-2.70	
		<i>For &gt;500, Deduct</i>	-3.24	
05 05 23 00-0966	EA	7/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	66.44	
		<i>For &gt;100 To 250, Deduct</i>	-2.20	
		<i>For &gt;250 To 500, Deduct</i>	-2.75	
		<i>For &gt;500, Deduct</i>	-3.30	
05 05 23 00-0967	EA	7/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	74.53	
		<i>For &gt;100 To 250, Deduct</i>	-2.20	
		<i>For &gt;250 To 500, Deduct</i>	-2.75	
		<i>For &gt;500, Deduct</i>	-3.30	
05 05 23 00-0968	EA	7/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	78.27	
		<i>For &gt;100 To 250, Deduct</i>	-2.20	
		<i>For &gt;250 To 500, Deduct</i>	-2.75	
		<i>For &gt;500, Deduct</i>	-3.30	
05 05 23 00-0969	EA	7/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	82.00	
		<i>For &gt;100 To 250, Deduct</i>	-2.20	
		<i>For &gt;250 To 500, Deduct</i>	-2.75	
		<i>For &gt;500, Deduct</i>	-3.30	

05 05 23 00-0970 1" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0815)

05 05 23 00-0971	EA	1" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.86	
		<i>For &gt;100 To 250, Deduct</i>	-2.00	
		<i>For &gt;250 To 500, Deduct</i>	-2.50	
		<i>For &gt;500, Deduct</i>	-2.99	
05 05 23 00-0972	EA	1" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	26.30	
		<i>For &gt;100 To 250, Deduct</i>	-2.00	
		<i>For &gt;250 To 500, Deduct</i>	-2.50	
		<i>For &gt;500, Deduct</i>	-2.99	
05 05 23 00-0973	EA	1" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	28.64	
		<i>For &gt;100 To 250, Deduct</i>	-2.04	
		<i>For &gt;250 To 500, Deduct</i>	-2.55	
		<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-0974	EA	1" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	30.45	
		<i>For &gt;100 To 250, Deduct</i>	-2.04	
		<i>For &gt;250 To 500, Deduct</i>	-2.55	
		<i>For &gt;500, Deduct</i>	-3.06	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0975	EA		1" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 33.42		
			For >100 To 250, Deduct	-2.04	
			For >250 To 500, Deduct	-2.55	
			For >500, Deduct	-3.06	
05 05 23 00-0976	EA		1" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 36.96		
			For >100 To 250, Deduct	-2.08	
			For >250 To 500, Deduct	-2.60	
			For >500, Deduct	-3.12	
05 05 23 00-0977	EA		1" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 39.03		
			For >100 To 250, Deduct	-2.08	
			For >250 To 500, Deduct	-2.60	
			For >500, Deduct	-3.12	
05 05 23 00-0978	EA		1" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 42.10		
			For >100 To 250, Deduct	-2.08	
			For >250 To 500, Deduct	-2.60	
			For >500, Deduct	-3.12	
05 05 23 00-0979	EA		1" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 45.17		
			For >100 To 250, Deduct	-2.12	
			For >250 To 500, Deduct	-2.65	
			For >500, Deduct	-3.18	
05 05 23 00-0980	EA		1" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 45.34		
			For >100 To 250, Deduct	-2.12	
			For >250 To 500, Deduct	-2.65	
			For >500, Deduct	-3.18	
05 05 23 00-0981	EA		1" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 53.56		
			For >100 To 250, Deduct	-2.12	
			For >250 To 500, Deduct	-2.65	
			For >500, Deduct	-3.18	
05 05 23 00-0982	EA		1" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 64.15		
			For >100 To 250, Deduct	-2.16	
			For >250 To 500, Deduct	-2.70	
			For >500, Deduct	-3.24	
05 05 23 00-0983	EA		1" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 65.70		
			For >100 To 250, Deduct	-2.16	
			For >250 To 500, Deduct	-2.70	
			For >500, Deduct	-3.24	
05 05 23 00-0984	EA		1" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 67.24		
			For >100 To 250, Deduct	-2.16	
			For >250 To 500, Deduct	-2.70	
			For >500, Deduct	-3.24	
05 05 23 00-0985	EA		1" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 70.54		
			For >100 To 250, Deduct	-2.20	
			For >250 To 500, Deduct	-2.75	
			For >500, Deduct	-3.30	
05 05 23 00-0986	EA		1" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 75.28		
			For >100 To 250, Deduct	-2.20	
			For >250 To 500, Deduct	-2.75	
			For >500, Deduct	-3.30	
05 05 23 00-0987	EA		1" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 96.83		
			For >100 To 250, Deduct	-2.20	
			For >250 To 500, Deduct	-2.75	
			For >500, Deduct	-3.30	
05 05 23 00-0988	EA		1" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... 121.93		
			For >100 To 250, Deduct	-2.20	
			For >250 To 500, Deduct	-2.75	
			For >500, Deduct	-3.30	
05 05 23 00-0989			<b>316 Stainless Steel, Hex Head Bolts (05 05 23 00-0097)</b>		
05 05 23 00-0990			<b>1/4" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)</b>		
05 05 23 00-0991	EA		1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt ..... 7.50		
			For >100 To 250, Deduct	-1.40	
			For >250 To 500, Deduct	-1.75	
			For >500, Deduct	-2.10	
05 05 23 00-0992	EA		1" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt ..... 7.73		
			For >100 To 250, Deduct	-1.40	
			For >250 To 500, Deduct	-1.75	
			For >500, Deduct	-2.10	
05 05 23 00-0993	EA		1-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt ..... 7.89		
			For >100 To 250, Deduct	-1.40	
			For >250 To 500, Deduct	-1.75	
			For >500, Deduct	-2.10	
05 05 23 00-0994	EA		2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt ..... 8.01		
			For >100 To 250, Deduct	-1.40	
			For >250 To 500, Deduct	-1.75	
			For >500, Deduct	-2.10	
05 05 23 00-0995	EA		2-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt ..... 8.53		
			For >100 To 250, Deduct	-1.44	
			For >250 To 500, Deduct	-1.80	
			For >500, Deduct	-2.16	
05 05 23 00-0996	EA		3" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt ..... 8.82		
			For >100 To 250, Deduct	-1.44	
			For >250 To 500, Deduct	-1.80	
			For >500, Deduct	-2.16	
05 05 23 00-0997	EA		3-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt ..... 9.12		
			For >100 To 250, Deduct	-1.44	
			For >250 To 500, Deduct	-1.80	
			For >500, Deduct	-2.16	

## 05 Metals

## 05 05 Common Work Results for Metals

## 05 05 23 Metal Fastenings

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 05 23 00-0998	EA	4" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt.....	9.54	
		<i>For &gt;100 To 250, Deduct</i>	-1.48	
		<i>For &gt;250 To 500, Deduct</i>	-1.85	
		<i>For &gt;500, Deduct</i>	-2.22	
05 05 23 00-0999	EA	4-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt .....	9.79	
		<i>For &gt;100 To 250, Deduct</i>	-1.48	
		<i>For &gt;250 To 500, Deduct</i>	-1.85	
		<i>For &gt;500, Deduct</i>	-2.22	
05 05 23 00-1000	EA	5" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt.....	9.90	
		<i>For &gt;100 To 250, Deduct</i>	-1.48	
		<i>For &gt;250 To 500, Deduct</i>	-1.85	
		<i>For &gt;500, Deduct</i>	-2.22	
05 05 23 00-1001	EA	5-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt .....	10.85	
		<i>For &gt;100 To 250, Deduct</i>	-1.52	
		<i>For &gt;250 To 500, Deduct</i>	-1.90	
		<i>For &gt;500, Deduct</i>	-2.28	
05 05 23 00-1002	EA	6" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt.....	11.05	
		<i>For &gt;100 To 250, Deduct</i>	-1.52	
		<i>For &gt;250 To 500, Deduct</i>	-1.90	
		<i>For &gt;500, Deduct</i>	-2.28	
05 05 23 00-1003	EA	6-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt .....	18.60	
		<i>For &gt;100 To 250, Deduct</i>	-1.52	
		<i>For &gt;250 To 500, Deduct</i>	-1.90	
		<i>For &gt;500, Deduct</i>	-2.28	
05 05 23 00-1004	EA	7" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt.....	27.94	
		<i>For &gt;100 To 250, Deduct</i>	-1.56	
		<i>For &gt;250 To 500, Deduct</i>	-1.95	
		<i>For &gt;500, Deduct</i>	-2.34	
05 05 23 00-1005	EA	7-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt .....	48.08	
		<i>For &gt;100 To 250, Deduct</i>	-1.56	
		<i>For &gt;250 To 500, Deduct</i>	-1.95	
		<i>For &gt;500, Deduct</i>	-2.34	
05 05 23 00-1006	EA	8" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt.....	52.67	
		<i>For &gt;100 To 250, Deduct</i>	-1.56	
		<i>For &gt;250 To 500, Deduct</i>	-1.95	
		<i>For &gt;500, Deduct</i>	-2.34	

## 05 05 23 00-1007 5/16" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0988)

05 05 23 00-1008	EA	5/16" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	7.81	
		<i>For &gt;100 To 250, Deduct</i>	-1.40	
		<i>For &gt;250 To 500, Deduct</i>	-1.75	
		<i>For &gt;500, Deduct</i>	-2.10	
05 05 23 00-1009	EA	5/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	8.07	
		<i>For &gt;100 To 250, Deduct</i>	-1.40	
		<i>For &gt;250 To 500, Deduct</i>	-1.75	
		<i>For &gt;500, Deduct</i>	-2.10	
05 05 23 00-1010	EA	5/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	8.50	
		<i>For &gt;100 To 250, Deduct</i>	-1.40	
		<i>For &gt;250 To 500, Deduct</i>	-1.75	
		<i>For &gt;500, Deduct</i>	-2.10	
05 05 23 00-1011	EA	5/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	8.82	
		<i>For &gt;100 To 250, Deduct</i>	-1.40	
		<i>For &gt;250 To 500, Deduct</i>	-1.75	
		<i>For &gt;500, Deduct</i>	-2.10	
05 05 23 00-1012	EA	5/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	9.16	
		<i>For &gt;100 To 250, Deduct</i>	-1.44	
		<i>For &gt;250 To 500, Deduct</i>	-1.80	
		<i>For &gt;500, Deduct</i>	-2.16	
05 05 23 00-1013	EA	5/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	9.83	
		<i>For &gt;100 To 250, Deduct</i>	-1.44	
		<i>For &gt;250 To 500, Deduct</i>	-1.80	
		<i>For &gt;500, Deduct</i>	-2.16	
05 05 23 00-1014	EA	5/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	10.29	
		<i>For &gt;100 To 250, Deduct</i>	-1.44	
		<i>For &gt;250 To 500, Deduct</i>	-1.80	
		<i>For &gt;500, Deduct</i>	-2.16	
05 05 23 00-1015	EA	5/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	10.68	
		<i>For &gt;100 To 250, Deduct</i>	-1.48	
		<i>For &gt;250 To 500, Deduct</i>	-1.85	
		<i>For &gt;500, Deduct</i>	-2.22	
05 05 23 00-1016	EA	5/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	11.67	
		<i>For &gt;100 To 250, Deduct</i>	-1.48	
		<i>For &gt;250 To 500, Deduct</i>	-1.85	
		<i>For &gt;500, Deduct</i>	-2.22	
05 05 23 00-1017	EA	5/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	11.88	
		<i>For &gt;100 To 250, Deduct</i>	-1.48	
		<i>For &gt;250 To 500, Deduct</i>	-1.85	
		<i>For &gt;500, Deduct</i>	-2.22	
05 05 23 00-1018	EA	5/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	12.77	
		<i>For &gt;100 To 250, Deduct</i>	-1.52	
		<i>For &gt;250 To 500, Deduct</i>	-1.90	
		<i>For &gt;500, Deduct</i>	-2.28	
05 05 23 00-1019	EA	5/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	13.54	
		<i>For &gt;100 To 250, Deduct</i>	-1.52	
		<i>For &gt;250 To 500, Deduct</i>	-1.90	
		<i>For &gt;500, Deduct</i>	-2.28	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
05 05 23 00-1020	EA		5/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt ..... 19.96 <i>For &gt;100 To 250, Deduct</i> -1.52 <i>For &gt;250 To 500, Deduct</i> -1.90 <i>For &gt;500, Deduct</i> -2.28		
05 05 23 00-1021	EA		5/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt ..... 29.29 <i>For &gt;100 To 250, Deduct</i> -1.56 <i>For &gt;250 To 500, Deduct</i> -1.95 <i>For &gt;500, Deduct</i> -2.34		
<b>05 05 23 00-1022</b>			<b>3/8" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)</b>		
05 05 23 00-1023	EA		3/8" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt ..... 8.49 <i>For &gt;100 To 250, Deduct</i> -1.40 <i>For &gt;250 To 500, Deduct</i> -1.75 <i>For &gt;500, Deduct</i> -2.10		
05 05 23 00-1024	EA		3/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt ..... 8.59 <i>For &gt;100 To 250, Deduct</i> -1.40 <i>For &gt;250 To 500, Deduct</i> -1.75 <i>For &gt;500, Deduct</i> -2.10		
05 05 23 00-1025	EA		3/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt ..... 9.00 <i>For &gt;100 To 250, Deduct</i> -1.40 <i>For &gt;250 To 500, Deduct</i> -1.75 <i>For &gt;500, Deduct</i> -2.10		
05 05 23 00-1026	EA		3/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt ..... 9.95 <i>For &gt;100 To 250, Deduct</i> -1.40 <i>For &gt;250 To 500, Deduct</i> -1.75 <i>For &gt;500, Deduct</i> -2.10		
05 05 23 00-1027	EA		3/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt ..... 10.49 <i>For &gt;100 To 250, Deduct</i> -1.44 <i>For &gt;250 To 500, Deduct</i> -1.80 <i>For &gt;500, Deduct</i> -2.16		
05 05 23 00-1028	EA		3/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt ..... 10.66 <i>For &gt;100 To 250, Deduct</i> -1.44 <i>For &gt;250 To 500, Deduct</i> -1.80 <i>For &gt;500, Deduct</i> -2.16		
05 05 23 00-1029	EA		3/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt ..... 11.50 <i>For &gt;100 To 250, Deduct</i> -1.44 <i>For &gt;250 To 500, Deduct</i> -1.80 <i>For &gt;500, Deduct</i> -2.16		
05 05 23 00-1030	EA		3/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt ..... 11.81 <i>For &gt;100 To 250, Deduct</i> -1.48 <i>For &gt;250 To 500, Deduct</i> -1.85 <i>For &gt;500, Deduct</i> -2.22		
05 05 23 00-1031	EA		3/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt ..... 12.34 <i>For &gt;100 To 250, Deduct</i> -1.48 <i>For &gt;250 To 500, Deduct</i> -1.85 <i>For &gt;500, Deduct</i> -2.22		
05 05 23 00-1032	EA		3/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt ..... 12.69 <i>For &gt;100 To 250, Deduct</i> -1.48 <i>For &gt;250 To 500, Deduct</i> -1.85 <i>For &gt;500, Deduct</i> -2.22		
05 05 23 00-1033	EA		3/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt ..... 14.05 <i>For &gt;100 To 250, Deduct</i> -1.52 <i>For &gt;250 To 500, Deduct</i> -1.90 <i>For &gt;500, Deduct</i> -2.28		
05 05 23 00-1034	EA		3/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt ..... 15.46 <i>For &gt;100 To 250, Deduct</i> -1.52 <i>For &gt;250 To 500, Deduct</i> -1.90 <i>For &gt;500, Deduct</i> -2.28		
05 05 23 00-1035	EA		3/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt ..... 15.52 <i>For &gt;100 To 250, Deduct</i> -1.52 <i>For &gt;250 To 500, Deduct</i> -1.90 <i>For &gt;500, Deduct</i> -2.28		
05 05 23 00-1036	EA		3/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt ..... 19.30 <i>For &gt;100 To 250, Deduct</i> -1.56 <i>For &gt;250 To 500, Deduct</i> -1.95 <i>For &gt;500, Deduct</i> -2.34		
05 05 23 00-1037	EA		3/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt ..... 25.11 <i>For &gt;100 To 250, Deduct</i> -1.56 <i>For &gt;250 To 500, Deduct</i> -1.95 <i>For &gt;500, Deduct</i> -2.34		
05 05 23 00-1038	EA		3/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt ..... 31.39 <i>For &gt;100 To 250, Deduct</i> -1.56 <i>For &gt;250 To 500, Deduct</i> -1.95 <i>For &gt;500, Deduct</i> -2.34		
<b>05 05 23 00-1039</b>			<b>7/16" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)</b>		
05 05 23 00-1040	EA		7/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt ..... 11.08 <i>For &gt;100 To 250, Deduct</i> -1.60 <i>For &gt;250 To 500, Deduct</i> -2.00 <i>For &gt;500, Deduct</i> -2.40		
05 05 23 00-1041	EA		7/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt ..... 11.69 <i>For &gt;100 To 250, Deduct</i> -1.60 <i>For &gt;250 To 500, Deduct</i> -2.00 <i>For &gt;500, Deduct</i> -2.40		
05 05 23 00-1042	EA		7/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt ..... 12.82 <i>For &gt;100 To 250, Deduct</i> -1.60 <i>For &gt;250 To 500, Deduct</i> -2.00 <i>For &gt;500, Deduct</i> -2.40		

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

05 05 23 00-1043	EA	7/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.99	
		<i>For &gt;100 To 250, Deduct</i>	-1.64	
		<i>For &gt;250 To 500, Deduct</i>	-2.05	
		<i>For &gt;500, Deduct</i>	-2.46	
05 05 23 00-1044	EA	7/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	15.07	
		<i>For &gt;100 To 250, Deduct</i>	-1.64	
		<i>For &gt;250 To 500, Deduct</i>	-2.05	
		<i>For &gt;500, Deduct</i>	-2.46	
05 05 23 00-1045	EA	7/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	16.85	
		<i>For &gt;100 To 250, Deduct</i>	-1.64	
		<i>For &gt;250 To 500, Deduct</i>	-2.05	
		<i>For &gt;500, Deduct</i>	-2.46	
05 05 23 00-1046	EA	7/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	18.75	
		<i>For &gt;100 To 250, Deduct</i>	-1.68	
		<i>For &gt;250 To 500, Deduct</i>	-2.10	
		<i>For &gt;500, Deduct</i>	-2.52	
05 05 23 00-1047	EA	7/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	19.06	
		<i>For &gt;100 To 250, Deduct</i>	-1.68	
		<i>For &gt;250 To 500, Deduct</i>	-2.10	
		<i>For &gt;500, Deduct</i>	-2.52	
05 05 23 00-1048	EA	7/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	19.71	
		<i>For &gt;100 To 250, Deduct</i>	-1.68	
		<i>For &gt;250 To 500, Deduct</i>	-2.10	
		<i>For &gt;500, Deduct</i>	-2.52	
05 05 23 00-1049	EA	7/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	20.35	
		<i>For &gt;100 To 250, Deduct</i>	-1.72	
		<i>For &gt;250 To 500, Deduct</i>	-2.15	
		<i>For &gt;500, Deduct</i>	-2.58	
05 05 23 00-1050	EA	7/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	20.82	
		<i>For &gt;100 To 250, Deduct</i>	-1.72	
		<i>For &gt;250 To 500, Deduct</i>	-2.15	
		<i>For &gt;500, Deduct</i>	-2.58	
05 05 23 00-1051	EA	7/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	21.28	
		<i>For &gt;100 To 250, Deduct</i>	-1.72	
		<i>For &gt;250 To 500, Deduct</i>	-2.15	
		<i>For &gt;500, Deduct</i>	-2.58	
05 05 23 00-1052	EA	7/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	21.84	
		<i>For &gt;100 To 250, Deduct</i>	-1.76	
		<i>For &gt;250 To 500, Deduct</i>	-2.20	
		<i>For &gt;500, Deduct</i>	-2.64	

**05 05 23 00-1053 1/2" Diameter, 316 Stainless Steel, Hex Head Bolts** (05 05 23 00-0989)

05 05 23 00-1054	EA	1/2" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	11.05	
		<i>For &gt;100 To 250, Deduct</i>	-1.60	
		<i>For &gt;250 To 500, Deduct</i>	-2.00	
		<i>For &gt;500, Deduct</i>	-2.40	
05 05 23 00-1055	EA	1/2" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	11.70	
		<i>For &gt;100 To 250, Deduct</i>	-1.60	
		<i>For &gt;250 To 500, Deduct</i>	-2.00	
		<i>For &gt;500, Deduct</i>	-2.40	
05 05 23 00-1056	EA	1/2" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	12.61	
		<i>For &gt;100 To 250, Deduct</i>	-1.60	
		<i>For &gt;250 To 500, Deduct</i>	-2.00	
		<i>For &gt;500, Deduct</i>	-2.40	
05 05 23 00-1057	EA	1/2" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.90	
		<i>For &gt;100 To 250, Deduct</i>	-1.64	
		<i>For &gt;250 To 500, Deduct</i>	-2.05	
		<i>For &gt;500, Deduct</i>	-2.46	
05 05 23 00-1058	EA	1/2" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	14.90	
		<i>For &gt;100 To 250, Deduct</i>	-1.64	
		<i>For &gt;250 To 500, Deduct</i>	-2.05	
		<i>For &gt;500, Deduct</i>	-2.46	
05 05 23 00-1059	EA	1/2" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	15.15	
		<i>For &gt;100 To 250, Deduct</i>	-1.64	
		<i>For &gt;250 To 500, Deduct</i>	-2.05	
		<i>For &gt;500, Deduct</i>	-2.46	
05 05 23 00-1060	EA	1/2" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	15.77	
		<i>For &gt;100 To 250, Deduct</i>	-1.68	
		<i>For &gt;250 To 500, Deduct</i>	-2.10	
		<i>For &gt;500, Deduct</i>	-2.52	
05 05 23 00-1061	EA	1/2" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	17.70	
		<i>For &gt;100 To 250, Deduct</i>	-1.68	
		<i>For &gt;250 To 500, Deduct</i>	-2.10	
		<i>For &gt;500, Deduct</i>	-2.52	
05 05 23 00-1062	EA	1/2" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	21.63	
		<i>For &gt;100 To 250, Deduct</i>	-1.68	
		<i>For &gt;250 To 500, Deduct</i>	-2.10	
		<i>For &gt;500, Deduct</i>	-2.52	
05 05 23 00-1063	EA	1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	22.13	
		<i>For &gt;100 To 250, Deduct</i>	-1.72	
		<i>For &gt;250 To 500, Deduct</i>	-2.15	
		<i>For &gt;500, Deduct</i>	-2.58	
05 05 23 00-1064	EA	1/2" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	22.75	
		<i>For &gt;100 To 250, Deduct</i>	-1.72	
		<i>For &gt;250 To 500, Deduct</i>	-2.15	
		<i>For &gt;500, Deduct</i>	-2.58	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1065 EA 1/2" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	27.61	
For >100 To 250, Deduct	-1.72	
For >250 To 500, Deduct	-2.15	
For >500, Deduct	-2.58	
05 05 23 00-1066 EA 1/2" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt .....	31.05	
For >100 To 250, Deduct	-1.76	
For >250 To 500, Deduct	-2.20	
For >500, Deduct	-2.64	
05 05 23 00-1067 EA 1/2" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	33.15	
For >100 To 250, Deduct	-1.76	
For >250 To 500, Deduct	-2.20	
For >500, Deduct	-2.64	
05 05 23 00-1068 EA 1/2" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt .....	36.63	
For >100 To 250, Deduct	-1.76	
For >250 To 500, Deduct	-2.20	
For >500, Deduct	-2.64	
05 05 23 00-1069 EA 1/2" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	46.03	
For >100 To 250, Deduct	-1.80	
For >250 To 500, Deduct	-2.25	
For >500, Deduct	-2.70	
05 05 23 00-1070 EA 1/2" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt .....	51.97	
For >100 To 250, Deduct	-1.80	
For >250 To 500, Deduct	-2.25	
For >500, Deduct	-2.70	
05 05 23 00-1071 EA 1/2" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	52.95	
For >100 To 250, Deduct	-1.80	
For >250 To 500, Deduct	-2.25	
For >500, Deduct	-2.70	
05 05 23 00-1072 EA 1/2" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt .....	54.46	
For >100 To 250, Deduct	-1.80	
For >250 To 500, Deduct	-2.25	
For >500, Deduct	-2.70	
<b>05 05 23 00-1073 9/16" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)</b>		
05 05 23 00-1074 EA 9/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt .....	27.32	
For >100 To 250, Deduct	-1.60	
For >250 To 500, Deduct	-2.00	
For >500, Deduct	-2.40	
05 05 23 00-1075 EA 9/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	29.46	
For >100 To 250, Deduct	-1.60	
For >250 To 500, Deduct	-2.00	
For >500, Deduct	-2.40	
05 05 23 00-1076 EA 9/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt .....	36.60	
For >100 To 250, Deduct	-1.60	
For >250 To 500, Deduct	-2.00	
For >500, Deduct	-2.40	
05 05 23 00-1077 EA 9/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	40.81	
For >100 To 250, Deduct	-1.64	
For >250 To 500, Deduct	-2.05	
For >500, Deduct	-2.46	
05 05 23 00-1078 EA 9/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt .....	45.03	
For >100 To 250, Deduct	-1.64	
For >250 To 500, Deduct	-2.05	
For >500, Deduct	-2.46	
05 05 23 00-1079 EA 9/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	49.25	
For >100 To 250, Deduct	-1.64	
For >250 To 500, Deduct	-2.05	
For >500, Deduct	-2.46	
05 05 23 00-1080 EA 9/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt .....	52.08	
For >100 To 250, Deduct	-1.68	
For >250 To 500, Deduct	-2.10	
For >500, Deduct	-2.52	
05 05 23 00-1081 EA 9/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	55.56	
For >100 To 250, Deduct	-1.68	
For >250 To 500, Deduct	-2.10	
For >500, Deduct	-2.52	
05 05 23 00-1082 EA 9/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt .....	58.66	
For >100 To 250, Deduct	-1.68	
For >250 To 500, Deduct	-2.10	
For >500, Deduct	-2.52	
05 05 23 00-1083 EA 9/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	59.79	
For >100 To 250, Deduct	-1.72	
For >250 To 500, Deduct	-2.15	
For >500, Deduct	-2.58	
05 05 23 00-1084 EA 9/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt .....	62.52	
For >100 To 250, Deduct	-1.72	
For >250 To 500, Deduct	-2.15	
For >500, Deduct	-2.58	
<b>05 05 23 00-1085 5/8" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)</b>		
05 05 23 00-1086 EA 5/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt .....	15.36	
For >100 To 250, Deduct	-1.80	
For >250 To 500, Deduct	-2.25	
For >500, Deduct	-2.70	
05 05 23 00-1087 EA 5/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	15.55	
For >100 To 250, Deduct	-1.80	
For >250 To 500, Deduct	-2.25	
For >500, Deduct	-2.70	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 05 23 00-1088	EA	5/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	15.61	
		<i>For &gt;100 To 250, Deduct</i>	-1.80	
		<i>For &gt;250 To 500, Deduct</i>	-2.25	
		<i>For &gt;500, Deduct</i>	-2.70	
05 05 23 00-1089	EA	5/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	17.03	
		<i>For &gt;100 To 250, Deduct</i>	-1.84	
		<i>For &gt;250 To 500, Deduct</i>	-2.30	
		<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-1090	EA	5/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	18.28	
		<i>For &gt;100 To 250, Deduct</i>	-1.84	
		<i>For &gt;250 To 500, Deduct</i>	-2.30	
		<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-1091	EA	5/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	22.26	
		<i>For &gt;100 To 250, Deduct</i>	-1.84	
		<i>For &gt;250 To 500, Deduct</i>	-2.30	
		<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-1092	EA	5/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	23.29	
		<i>For &gt;100 To 250, Deduct</i>	-1.88	
		<i>For &gt;250 To 500, Deduct</i>	-2.35	
		<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-1093	EA	5/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	26.77	
		<i>For &gt;100 To 250, Deduct</i>	-1.88	
		<i>For &gt;250 To 500, Deduct</i>	-2.35	
		<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-1094	EA	5/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	27.98	
		<i>For &gt;100 To 250, Deduct</i>	-1.88	
		<i>For &gt;250 To 500, Deduct</i>	-2.35	
		<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-1095	EA	5/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	30.47	
		<i>For &gt;100 To 250, Deduct</i>	-1.92	
		<i>For &gt;250 To 500, Deduct</i>	-2.40	
		<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-1096	EA	5/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	31.46	
		<i>For &gt;100 To 250, Deduct</i>	-1.92	
		<i>For &gt;250 To 500, Deduct</i>	-2.40	
		<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-1097	EA	5/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	37.55	
		<i>For &gt;100 To 250, Deduct</i>	-1.92	
		<i>For &gt;250 To 500, Deduct</i>	-2.40	
		<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-1098	EA	5/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	39.95	
		<i>For &gt;100 To 250, Deduct</i>	-1.96	
		<i>For &gt;250 To 500, Deduct</i>	-2.45	
		<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-1099	EA	5/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	40.72	
		<i>For &gt;100 To 250, Deduct</i>	-1.96	
		<i>For &gt;250 To 500, Deduct</i>	-2.45	
		<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-1100	EA	5/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt.....	43.57	
		<i>For &gt;100 To 250, Deduct</i>	-1.96	
		<i>For &gt;250 To 500, Deduct</i>	-2.45	
		<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-1101	EA	5/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	46.33	
		<i>For &gt;100 To 250, Deduct</i>	-2.00	
		<i>For &gt;250 To 500, Deduct</i>	-2.50	
		<i>For &gt;500, Deduct</i>	-2.99	
05 05 23 00-1102	EA	5/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt.....	48.74	
		<i>For &gt;100 To 250, Deduct</i>	-2.00	
		<i>For &gt;250 To 500, Deduct</i>	-2.50	
		<i>For &gt;500, Deduct</i>	-2.99	
05 05 23 00-1103	EA	5/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	60.25	
		<i>For &gt;100 To 250, Deduct</i>	-2.00	
		<i>For &gt;250 To 500, Deduct</i>	-2.50	
		<i>For &gt;500, Deduct</i>	-2.99	
05 05 23 00-1104	EA	5/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt.....	72.54	
		<i>For &gt;100 To 250, Deduct</i>	-2.00	
		<i>For &gt;250 To 500, Deduct</i>	-2.50	
		<i>For &gt;500, Deduct</i>	-2.99	

**05 05 23 00-1105 3/4" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)**

05 05 23 00-1106	EA	3/4" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	20.20	
		<i>For &gt;100 To 250, Deduct</i>	-1.80	
		<i>For &gt;250 To 500, Deduct</i>	-2.25	
		<i>For &gt;500, Deduct</i>	-2.70	
05 05 23 00-1107	EA	3/4" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	20.64	
		<i>For &gt;100 To 250, Deduct</i>	-1.80	
		<i>For &gt;250 To 500, Deduct</i>	-2.25	
		<i>For &gt;500, Deduct</i>	-2.70	
05 05 23 00-1108	EA	3/4" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	22.29	
		<i>For &gt;100 To 250, Deduct</i>	-1.80	
		<i>For &gt;250 To 500, Deduct</i>	-2.25	
		<i>For &gt;500, Deduct</i>	-2.70	
05 05 23 00-1109	EA	3/4" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	23.95	
		<i>For &gt;100 To 250, Deduct</i>	-1.84	
		<i>For &gt;250 To 500, Deduct</i>	-2.30	
		<i>For &gt;500, Deduct</i>	-2.76	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 05 23 00-1110	EA		3/4" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt .....	27.04	
			For >100 To 250, Deduct	-1.84	
			For >250 To 500, Deduct	-2.30	
			For >500, Deduct	-2.76	
05 05 23 00-1111	EA		3/4" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	28.83	
			For >100 To 250, Deduct	-1.84	
			For >250 To 500, Deduct	-2.30	
			For >500, Deduct	-2.76	
05 05 23 00-1112	EA		3/4" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt .....	32.85	
			For >100 To 250, Deduct	-1.88	
			For >250 To 500, Deduct	-2.35	
			For >500, Deduct	-2.82	
05 05 23 00-1113	EA		3/4" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	34.43	
			For >100 To 250, Deduct	-1.88	
			For >250 To 500, Deduct	-2.35	
			For >500, Deduct	-2.82	
05 05 23 00-1114	EA		3/4" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt .....	35.30	
			For >100 To 250, Deduct	-1.88	
			For >250 To 500, Deduct	-2.35	
			For >500, Deduct	-2.82	
05 05 23 00-1115	EA		3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	36.66	
			For >100 To 250, Deduct	-1.92	
			For >250 To 500, Deduct	-2.40	
			For >500, Deduct	-2.88	
05 05 23 00-1116	EA		3/4" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt .....	38.64	
			For >100 To 250, Deduct	-1.92	
			For >250 To 500, Deduct	-2.40	
			For >500, Deduct	-2.88	
05 05 23 00-1117	EA		3/4" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	44.73	
			For >100 To 250, Deduct	-1.92	
			For >250 To 500, Deduct	-2.40	
			For >500, Deduct	-2.88	
05 05 23 00-1118	EA		3/4" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt .....	53.75	
			For >100 To 250, Deduct	-1.96	
			For >250 To 500, Deduct	-2.45	
			For >500, Deduct	-2.94	
05 05 23 00-1119	EA		3/4" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	60.61	
			For >100 To 250, Deduct	-1.96	
			For >250 To 500, Deduct	-2.45	
			For >500, Deduct	-2.94	
05 05 23 00-1120	EA		3/4" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt .....	61.65	
			For >100 To 250, Deduct	-1.96	
			For >250 To 500, Deduct	-2.45	
			For >500, Deduct	-2.94	
05 05 23 00-1121	EA		3/4" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	65.97	
			For >100 To 250, Deduct	-2.00	
			For >250 To 500, Deduct	-2.50	
			For >500, Deduct	-2.99	
05 05 23 00-1122	EA		3/4" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt .....	76.38	
			For >100 To 250, Deduct	-2.00	
			For >250 To 500, Deduct	-2.50	
			For >500, Deduct	-2.99	
05 05 23 00-1123	EA		3/4" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	77.26	
			For >100 To 250, Deduct	-2.00	
			For >250 To 500, Deduct	-2.50	
			For >500, Deduct	-2.99	
05 05 23 00-1124	EA		3/4" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt .....	79.46	
			For >100 To 250, Deduct	-2.00	
			For >250 To 500, Deduct	-2.50	
			For >500, Deduct	-2.99	

**05 05 23 00-1125 7/8" Diameter, 316 Stainless Steel, Hex Head Bolts** (05 05 23 00-0989)

05 05 23 00-1126	EA		7/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	22.77	
			For >100 To 250, Deduct	-2.00	
			For >250 To 500, Deduct	-2.50	
			For >500, Deduct	-2.99	
05 05 23 00-1127	EA		7/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt .....	25.63	
			For >100 To 250, Deduct	-2.00	
			For >250 To 500, Deduct	-2.50	
			For >500, Deduct	-2.99	
05 05 23 00-1128	EA		7/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	27.40	
			For >100 To 250, Deduct	-2.04	
			For >250 To 500, Deduct	-2.55	
			For >500, Deduct	-3.06	
05 05 23 00-1129	EA		7/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt .....	31.41	
			For >100 To 250, Deduct	-2.04	
			For >250 To 500, Deduct	-2.55	
			For >500, Deduct	-3.06	
05 05 23 00-1130	EA		7/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	33.20	
			For >100 To 250, Deduct	-2.04	
			For >250 To 500, Deduct	-2.55	
			For >500, Deduct	-3.06	
05 05 23 00-1131	EA		7/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt .....	34.98	
			For >100 To 250, Deduct	-2.08	
			For >250 To 500, Deduct	-2.60	
			For >500, Deduct	-3.12	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 05 23 00-1132	EA	7/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	37.41	
		<i>For &gt;100 To 250, Deduct</i>	-2.08	
		<i>For &gt;250 To 500, Deduct</i>	-2.60	
		<i>For &gt;500, Deduct</i>	-3.12	
05 05 23 00-1133	EA	7/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	42.87	
		<i>For &gt;100 To 250, Deduct</i>	-2.08	
		<i>For &gt;250 To 500, Deduct</i>	-2.60	
		<i>For &gt;500, Deduct</i>	-3.12	
05 05 23 00-1134	EA	7/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	43.21	
		<i>For &gt;100 To 250, Deduct</i>	-2.12	
		<i>For &gt;250 To 500, Deduct</i>	-2.65	
		<i>For &gt;500, Deduct</i>	-3.18	
05 05 23 00-1135	EA	7/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	45.02	
		<i>For &gt;100 To 250, Deduct</i>	-2.12	
		<i>For &gt;250 To 500, Deduct</i>	-2.65	
		<i>For &gt;500, Deduct</i>	-3.18	
05 05 23 00-1136	EA	7/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	60.30	
		<i>For &gt;100 To 250, Deduct</i>	-2.12	
		<i>For &gt;250 To 500, Deduct</i>	-2.65	
		<i>For &gt;500, Deduct</i>	-3.18	
05 05 23 00-1137	EA	7/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	67.24	
		<i>For &gt;100 To 250, Deduct</i>	-2.16	
		<i>For &gt;250 To 500, Deduct</i>	-2.70	
		<i>For &gt;500, Deduct</i>	-3.24	
05 05 23 00-1138	EA	7/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	74.50	
		<i>For &gt;100 To 250, Deduct</i>	-2.16	
		<i>For &gt;250 To 500, Deduct</i>	-2.70	
		<i>For &gt;500, Deduct</i>	-3.24	
05 05 23 00-1139	EA	7/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	78.07	
		<i>For &gt;100 To 250, Deduct</i>	-2.16	
		<i>For &gt;250 To 500, Deduct</i>	-2.70	
		<i>For &gt;500, Deduct</i>	-3.24	
05 05 23 00-1140	EA	7/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	82.91	
		<i>For &gt;100 To 250, Deduct</i>	-2.20	
		<i>For &gt;250 To 500, Deduct</i>	-2.75	
		<i>For &gt;500, Deduct</i>	-3.30	
05 05 23 00-1141	EA	7/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	86.02	
		<i>For &gt;100 To 250, Deduct</i>	-2.20	
		<i>For &gt;250 To 500, Deduct</i>	-2.75	
		<i>For &gt;500, Deduct</i>	-3.30	
05 05 23 00-1142	EA	7/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	89.10	
		<i>For &gt;100 To 250, Deduct</i>	-2.20	
		<i>For &gt;250 To 500, Deduct</i>	-2.75	
		<i>For &gt;500, Deduct</i>	-3.30	
05 05 23 00-1143	EA	7/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	92.56	
		<i>For &gt;100 To 250, Deduct</i>	-2.20	
		<i>For &gt;250 To 500, Deduct</i>	-2.75	
		<i>For &gt;500, Deduct</i>	-3.30	

**05 05 23 00-1144 1" Diameter, 316 Stainless Steel, Hex Head Bolts** (05 05 23 00-0989)

05 05 23 00-1145	EA	1" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	29.07	
		<i>For &gt;100 To 250, Deduct</i>	-2.00	
		<i>For &gt;250 To 500, Deduct</i>	-2.50	
		<i>For &gt;500, Deduct</i>	-2.99	
05 05 23 00-1146	EA	1" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	33.68	
		<i>For &gt;100 To 250, Deduct</i>	-2.04	
		<i>For &gt;250 To 500, Deduct</i>	-2.55	
		<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-1147	EA	1" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	36.64	
		<i>For &gt;100 To 250, Deduct</i>	-2.04	
		<i>For &gt;250 To 500, Deduct</i>	-2.55	
		<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-1148	EA	1" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	41.35	
		<i>For &gt;100 To 250, Deduct</i>	-2.04	
		<i>For &gt;250 To 500, Deduct</i>	-2.55	
		<i>For &gt;500, Deduct</i>	-3.06	
05 05 23 00-1149	EA	1" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	43.24	
		<i>For &gt;100 To 250, Deduct</i>	-2.08	
		<i>For &gt;250 To 500, Deduct</i>	-2.60	
		<i>For &gt;500, Deduct</i>	-3.12	
05 05 23 00-1150	EA	1" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	46.44	
		<i>For &gt;100 To 250, Deduct</i>	-2.08	
		<i>For &gt;250 To 500, Deduct</i>	-2.60	
		<i>For &gt;500, Deduct</i>	-3.12	
05 05 23 00-1151	EA	1" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	49.67	
		<i>For &gt;100 To 250, Deduct</i>	-2.08	
		<i>For &gt;250 To 500, Deduct</i>	-2.60	
		<i>For &gt;500, Deduct</i>	-3.12	
05 05 23 00-1152	EA	1" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	53.12	
		<i>For &gt;100 To 250, Deduct</i>	-2.12	
		<i>For &gt;250 To 500, Deduct</i>	-2.65	
		<i>For &gt;500, Deduct</i>	-3.18	
05 05 23 00-1153	EA	1" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	61.47	
		<i>For &gt;100 To 250, Deduct</i>	-2.12	
		<i>For &gt;250 To 500, Deduct</i>	-2.65	
		<i>For &gt;500, Deduct</i>	-3.18	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1154	EA		1" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	69.70	
			<i>For &gt;100 To 250, Deduct</i>	-2.12	
			<i>For &gt;250 To 500, Deduct</i>	-2.65	
			<i>For &gt;500, Deduct</i>	-3.18	
05 05 23 00-1155	EA		1" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt .....	81.16	
			<i>For &gt;100 To 250, Deduct</i>	-2.16	
			<i>For &gt;250 To 500, Deduct</i>	-2.70	
			<i>For &gt;500, Deduct</i>	-3.24	
05 05 23 00-1156	EA		1" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	90.63	
			<i>For &gt;100 To 250, Deduct</i>	-2.16	
			<i>For &gt;250 To 500, Deduct</i>	-2.70	
			<i>For &gt;500, Deduct</i>	-3.24	
05 05 23 00-1157	EA		1" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt .....	91.99	
			<i>For &gt;100 To 250, Deduct</i>	-2.16	
			<i>For &gt;250 To 500, Deduct</i>	-2.70	
			<i>For &gt;500, Deduct</i>	-3.24	
05 05 23 00-1158	EA		1" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	95.28	
			<i>For &gt;100 To 250, Deduct</i>	-2.20	
			<i>For &gt;250 To 500, Deduct</i>	-2.75	
			<i>For &gt;500, Deduct</i>	-3.30	
05 05 23 00-1159	EA		1" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt .....	96.58	
			<i>For &gt;100 To 250, Deduct</i>	-2.20	
			<i>For &gt;250 To 500, Deduct</i>	-2.75	
			<i>For &gt;500, Deduct</i>	-3.30	
05 05 23 00-1160	EA		1" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	112.30	
			<i>For &gt;100 To 250, Deduct</i>	-2.20	
			<i>For &gt;250 To 500, Deduct</i>	-2.75	
			<i>For &gt;500, Deduct</i>	-3.30	
05 05 23 00-1161	EA		1" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt .....	127.47	
			<i>For &gt;100 To 250, Deduct</i>	-2.20	
			<i>For &gt;250 To 500, Deduct</i>	-2.75	
			<i>For &gt;500, Deduct</i>	-3.30	
<b>05 05 23 00-1162</b>			<b>Screws <small>(05 05 23)</small></b>		
<b>05 05 23 00-1163</b>			<b>Teks® 5 Self Drilling Screws <small>(05 05 23 00-1162)</small></b>		
			Note: Includes Climaseal® finish, self-drill point and tapping threads.		
05 05 23 00-1164	EA		12-24 x 1-1/4", Hex Washer Head, Teks® 5 Self Drilling Screw .....	3.75	
			<i>For &gt;10 To 50, Deduct</i>	-0.17	
			<i>For &gt;50 To 100, Deduct</i>	-0.34	
			<i>For &gt;100, Deduct</i>	-0.69	
05 05 23 00-1165	EA		12-24 x 1-1/2", Hex Washer Head, Teks® 5 Self Drilling Screw .....	3.90	
			<i>For &gt;10 To 50, Deduct</i>	-0.17	
			<i>For &gt;50 To 100, Deduct</i>	-0.35	
			<i>For &gt;100, Deduct</i>	-0.69	
05 05 23 00-1166	EA		12-24 x 2", Hex Washer Head, Teks® 5 Self Drilling Screw .....	4.34	
			<i>For &gt;10 To 50, Deduct</i>	-0.18	
			<i>For &gt;50 To 100, Deduct</i>	-0.37	
			<i>For &gt;100, Deduct</i>	-0.75	
05 05 23 00-1167	EA		1/4"-28 x 3", Hex Washer Head, Teks® 5 Self Drilling Screw .....	5.94	
			<i>For &gt;10 To 50, Deduct</i>	-0.22	
			<i>For &gt;50 To 100, Deduct</i>	-0.48	
			<i>For &gt;100, Deduct</i>	-0.96	
05 05 23 00-1168	EA		1/4"-28 x 4", Hex Washer Head, Teks® 5 Self Drilling Screw .....	6.34	
			<i>For &gt;10 To 50, Deduct</i>	-0.23	
			<i>For &gt;50 To 100, Deduct</i>	-0.51	
			<i>For &gt;100, Deduct</i>	-1.02	
05 05 23 00-1169	EA		1/4"-28 x 6", Hex Washer Head, Teks® 5 Self Drilling Screw .....	7.77	
			<i>For &gt;10 To 50, Deduct</i>	-0.24	
			<i>For &gt;50 To 100, Deduct</i>	-0.56	
			<i>For &gt;100, Deduct</i>	-1.12	
05 05 23 00-1170	EA		1/4"-28 x 8", Hex Washer Head, Teks® 5 Self Drilling Screw .....	8.66	
			<i>For &gt;10 To 50, Deduct</i>	-0.26	
			<i>For &gt;50 To 100, Deduct</i>	-0.60	
			<i>For &gt;100, Deduct</i>	-1.20	
<b>05 05 23 00-1171</b>			<b>Security Screws <small>(05 05 23 00-1162)</small></b>		
<b>05 05 23 00-1172</b>			<b>304/18-8 Stainless Steel, Security Screws <small>(05 05 23 00-1171)</small></b>		
			Note: Includes "security" style drive in machine or sheet metal screw threads.		
05 05 23 00-1173	EA		#4 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screws .....	2.96	
			<i>For &gt;10 To 50, Deduct</i>	-0.14	
			<i>For &gt;50 To 100, Deduct</i>	-0.28	
			<i>For &gt;100, Deduct</i>	-0.57	
05 05 23 00-1174	EA		#6 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw .....	3.41	
			<i>For &gt;10 To 50, Deduct</i>	-0.14	
			<i>For &gt;50 To 100, Deduct</i>	-0.30	
			<i>For &gt;100, Deduct</i>	-0.59	
05 05 23 00-1175	EA		#6 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw .....	3.79	
			<i>For &gt;10 To 50, Deduct</i>	-0.14	
			<i>For &gt;50 To 100, Deduct</i>	-0.30	
			<i>For &gt;100, Deduct</i>	-0.61	
05 05 23 00-1176	EA		#6 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw .....	3.92	
			<i>For &gt;10 To 50, Deduct</i>	-0.14	
			<i>For &gt;50 To 100, Deduct</i>	-0.31	
			<i>For &gt;100, Deduct</i>	-0.62	

## 05 Metals

## 05 05 Common Work Results for Metals

## 05 05 23 Metal Fastenings

 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

05 05 23 00-1177	EA	#6 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	4.17	
		<i>For &gt;10 To 50, Deduct</i>	-0.14	
		<i>For &gt;50 To 100, Deduct</i>	-0.31	
		<i>For &gt;100, Deduct</i>	-0.63	
05 05 23 00-1178	EA	#8 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	3.51	
		<i>For &gt;10 To 50, Deduct</i>	-0.14	
		<i>For &gt;50 To 100, Deduct</i>	-0.30	
		<i>For &gt;100, Deduct</i>	-0.60	
05 05 23 00-1179	EA	#8 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	3.69	
		<i>For &gt;10 To 50, Deduct</i>	-0.14	
		<i>For &gt;50 To 100, Deduct</i>	-0.30	
		<i>For &gt;100, Deduct</i>	-0.60	
05 05 23 00-1180	EA	#8 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.07	
		<i>For &gt;10 To 50, Deduct</i>	-0.14	
		<i>For &gt;50 To 100, Deduct</i>	-0.31	
		<i>For &gt;100, Deduct</i>	-0.62	
05 05 23 00-1181	EA	#8 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	4.19	
		<i>For &gt;10 To 50, Deduct</i>	-0.14	
		<i>For &gt;50 To 100, Deduct</i>	-0.31	
		<i>For &gt;100, Deduct</i>	-0.63	
05 05 23 00-1182	EA	#10 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	3.62	
		<i>For &gt;10 To 50, Deduct</i>	-0.14	
		<i>For &gt;50 To 100, Deduct</i>	-0.30	
		<i>For &gt;100, Deduct</i>	-0.60	
05 05 23 00-1183	EA	#10 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	3.67	
		<i>For &gt;10 To 50, Deduct</i>	-0.14	
		<i>For &gt;50 To 100, Deduct</i>	-0.30	
		<i>For &gt;100, Deduct</i>	-0.60	
05 05 23 00-1184	EA	#10 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	3.84	
		<i>For &gt;10 To 50, Deduct</i>	-0.14	
		<i>For &gt;50 To 100, Deduct</i>	-0.31	
		<i>For &gt;100, Deduct</i>	-0.61	
05 05 23 00-1185	EA	#10 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	4.35	
		<i>For &gt;10 To 50, Deduct</i>	-0.14	
		<i>For &gt;50 To 100, Deduct</i>	-0.32	
		<i>For &gt;100, Deduct</i>	-0.64	
05 05 23 00-1186	EA	1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	3.92	
		<i>For &gt;10 To 50, Deduct</i>	-0.14	
		<i>For &gt;50 To 100, Deduct</i>	-0.31	
		<i>For &gt;100, Deduct</i>	-0.62	
05 05 23 00-1187	EA	1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	4.04	
		<i>For &gt;10 To 50, Deduct</i>	-0.14	
		<i>For &gt;50 To 100, Deduct</i>	-0.31	
		<i>For &gt;100, Deduct</i>	-0.62	
05 05 23 00-1188	EA	1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.53	
		<i>For &gt;10 To 50, Deduct</i>	-0.14	
		<i>For &gt;50 To 100, Deduct</i>	-0.32	
		<i>For &gt;100, Deduct</i>	-0.65	
05 05 23 00-1189	EA	1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	5.31	
		<i>For &gt;10 To 50, Deduct</i>	-0.14	
		<i>For &gt;50 To 100, Deduct</i>	-0.34	
		<i>For &gt;100, Deduct</i>	-0.69	

## 05 05 23 00-1190

Threaded Rod (05 05 23)

Note: Fully threaded. See CSI section 05 05 19 00-0169 for anchoring adhesive, 05 05 23 00-1283 for nuts and washers.

## 05 05 23 00-1191

Plain Finish Steel, Low Carbon Threaded Rod (05 05 23 00-1190)

05 05 23 00-1192	LF	1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	1.99	0.50
		<i>For Left Hand Threaded Rod, Add</i>	0.10	
05 05 23 00-1193	LF	5/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.58	0.55
		<i>For Left Hand Threaded Rod, Add</i>	0.15	
05 05 23 00-1194	LF	3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.99	0.65
		<i>For Left Hand Threaded Rod, Add</i>	0.17	
05 05 23 00-1195	LF	7/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.98	0.66
		<i>For Left Hand Threaded Rod, Add</i>	0.27	
05 05 23 00-1196	LF	1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.09	0.69
		<i>For Left Hand Threaded Rod, Add</i>	0.27	
05 05 23 00-1197	LF	9/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	5.03	0.69
		<i>For Left Hand Threaded Rod, Add</i>	0.37	
05 05 23 00-1198	LF	5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	5.64	0.71
		<i>For Left Hand Threaded Rod, Add</i>	0.42	
05 05 23 00-1199	LF	3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	9.14	0.73
		<i>For Left Hand Threaded Rod, Add</i>	0.77	
05 05 23 00-1200	LF	7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	9.96	0.75
		<i>For Left Hand Threaded Rod, Add</i>	0.85	
05 05 23 00-1201	LF	1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	13.58	0.85
		<i>For Left Hand Threaded Rod, Add</i>	1.19	
05 05 23 00-1202	LF	1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	16.88	0.94
		<i>For Left Hand Threaded Rod, Add</i>	1.50	
05 05 23 00-1203	LF	1-1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	22.34	1.02
		<i>For Left Hand Threaded Rod, Add</i>	2.02	
05 05 23 00-1204	LF	1-3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	27.74	1.11
		<i>For Left Hand Threaded Rod, Add</i>	2.55	
05 05 23 00-1205	LF	1-1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	33.14	1.16
		<i>For Left Hand Threaded Rod, Add</i>	3.08	
05 05 23 00-1206	LF	1-3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	40.59	1.21
		<i>For Left Hand Threaded Rod, Add</i>	3.82	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 05 23 00-1207	LF	2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	51.78 4.92	1.27
<b>05 05 23 00-1208 Zinc Plated Steel, Low Carbon Threaded Rod</b> <small>(05 05 23 00-1190)</small>				
05 05 23 00-1209	LF	1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	2.00 0.10	0.50
05 05 23 00-1210	LF	5/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	2.90 0.18	0.55
05 05 23 00-1211	LF	3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	3.23 0.20	0.65
05 05 23 00-1212	LF	7/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	4.59 0.33	0.66
05 05 23 00-1213	LF	1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	4.93 0.36	0.69
05 05 23 00-1214	LF	9/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	6.41 0.50	0.69
05 05 23 00-1215	LF	5/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	6.80 0.54	0.71
05 05 23 00-1216	LF	3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	10.14 0.87	0.73
05 05 23 00-1217	LF	7/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	13.08 1.16	0.75
05 05 23 00-1218	LF	1" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	17.52 1.58	0.85
05 05 23 00-1219	LF	1-1/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	22.59 2.07	0.94
05 05 23 00-1220	LF	1-1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	26.93 2.48	1.02
05 05 23 00-1221	LF	1-3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	30.58 2.84	1.11
05 05 23 00-1222	LF	1-1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	38.45 3.61	1.16
05 05 23 00-1223	LF	1-3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	47.59 4.52	1.21
05 05 23 00-1224	LF	2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	69.31 6.68	1.27
<b>05 05 23 00-1225 Hot Dipped Galvanized Steel, Low Carbon Threaded Rod</b> <small>(05 05 23 00-1190)</small>				
05 05 23 00-1226	LF	3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	5.22 0.40	0.65
05 05 23 00-1227	LF	1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	7.25 0.59	0.69
05 05 23 00-1228	LF	5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	9.73 0.83	0.71
05 05 23 00-1229	LF	3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	13.30 1.19	0.73
05 05 23 00-1230	LF	7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	18.35 1.69	0.75
05 05 23 00-1231	LF	1" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	23.65 2.20	0.85
05 05 23 00-1232	LF	1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	31.07 2.92	0.94
05 05 23 00-1233	LF	1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	40.81 3.87	1.02
05 05 23 00-1234	LF	1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	45.59 4.34	1.11
05 05 23 00-1235	LF	1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	54.23 5.19	1.16
05 05 23 00-1236	LF	1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	65.84 6.34	1.21
05 05 23 00-1237	LF	2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	114.70 11.22	1.27
<b>05 05 23 00-1238 304/18-8 Stainless Steel Threaded Rod</b> <small>(05 05 23 00-1190)</small>				
05 05 23 00-1239	LF	1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	3.36 0.23	0.50
05 05 23 00-1240	LF	5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	5.11 0.40	0.55
05 05 23 00-1241	LF	3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	6.60 0.53	0.65
05 05 23 00-1242	LF	7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	9.24 0.79	0.66
05 05 23 00-1243	LF	1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	11.12 0.98	0.69
05 05 23 00-1244	LF	9/16" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	16.08 1.47	0.69
05 05 23 00-1245	LF	5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	16.79 1.54	0.71
05 05 23 00-1246	LF	3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	23.59 2.22	0.73
05 05 23 00-1247	LF	7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	32.52 3.10	0.75
05 05 23 00-1248	LF	1" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	41.76 4.01	0.85

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 23 00-1249	LF 1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	88.63 8.65	1.02
05 05 23 00-1250	LF 1-1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	135.09 13.28	1.16
05 05 23 00-1251	LF 1-3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	138.95 13.65	1.21
05 05 23 00-1252	LF 2" Diameter, 304/18-8 Stainless Steel Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	192.40 18.99	1.27
<b>05 05 23 00-1253</b>	<b>316 Stainless Steel Threaded Rod</b> (05 05 23 00-1190)		
05 05 23 00-1254	LF 1/4" Diameter, 316 Stainless Steel Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	4.93 0.39	0.50
05 05 23 00-1255	LF 5/16" Diameter, 316 Stainless Steel Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	8.02 0.69	0.55
05 05 23 00-1256	LF 3/8" Diameter, 316 Stainless Steel Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	10.68 0.94	0.65
05 05 23 00-1257	LF 7/16" Diameter, 316 Stainless Steel Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	16.78 1.55	0.66
05 05 23 00-1258	LF 1/2" Diameter, 316 Stainless Steel Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	17.80 1.65	0.69
05 05 23 00-1259	LF 9/16" Diameter, 316 Stainless Steel Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	23.42 2.20	0.69
05 05 23 00-1260	LF 5/8" Diameter, 316 Stainless Steel Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	25.21 2.38	0.71
05 05 23 00-1261	LF 3/4" Diameter, 316 Stainless Steel Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	36.85 3.54	0.73
05 05 23 00-1262	LF 7/8" Diameter, 316 Stainless Steel Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	50.53 4.90	0.75
05 05 23 00-1263	LF 1" Diameter, 316 Stainless Steel Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	63.97 6.23	0.85
05 05 23 00-1264	LF 1-1/4" Diameter, 316 Stainless Steel Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	135.30 13.32	1.02
05 05 23 00-1265	LF 1-1/2" Diameter, 316 Stainless Steel Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	177.41 17.51	1.16
<b>05 05 23 00-1266</b>	<b>Plain Finish Steel, B-7 Alloy Threaded Rod</b> (05 05 23 00-1190)		
05 05 23 00-1267	LF 1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod ..... <i>For Zinc Plating, Add</i>	3.35 1.17	0.50
05 05 23 00-1268	LF 5/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod ..... <i>For Zinc Plating, Add</i>	5.11 2.00	0.55
05 05 23 00-1269	LF 3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod ..... <i>For Zinc Plating, Add</i>	5.36 2.05	0.65
05 05 23 00-1270	LF 7/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod ..... <i>For Zinc Plating, Add</i>	5.84 2.27	0.66
05 05 23 00-1271	LF 1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod ..... <i>For Zinc Plating, Add</i>	6.42 2.54	0.69
05 05 23 00-1272	LF 9/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod ..... <i>For Zinc Plating, Add</i>	8.00 3.31	0.69
05 05 23 00-1273	LF 5/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod ..... <i>For Zinc Plating, Add</i>	8.25 3.43	0.71
05 05 23 00-1274	LF 3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod ..... <i>For Zinc Plating, Add</i>	10.91 4.74	0.73
05 05 23 00-1275	LF 7/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod ..... <i>For Zinc Plating, Add</i>	13.05 5.78	0.75
05 05 23 00-1276	LF 1" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod ..... <i>For Zinc Plating, Add</i>	16.91 7.61	0.85
05 05 23 00-1277	LF 1-1/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod ..... <i>For Zinc Plating, Add</i>	21.98 10.05	0.94
05 05 23 00-1278	LF 1-1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod ..... <i>For Zinc Plating, Add</i>	24.46 11.17	1.02
05 05 23 00-1279	LF 1-3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod ..... <i>For Zinc Plating, Add</i>	28.20 13.00	1.11
05 05 23 00-1280	LF 1-1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod ..... <i>For Zinc Plating, Add</i>	34.26 15.98	1.16
05 05 23 00-1281	LF 1-3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod ..... <i>For Zinc Plating, Add</i>	35.42 16.50	1.21
05 05 23 00-1282	LF 2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod ..... <i>For Zinc Plating, Add</i>	47.47 22.47	1.27
<b>05 05 23 00-1283</b>	<b>Nuts And Washers</b> (05 05 23)		
<b>05 05 23 00-1284</b>	<b>Hex Nuts</b> (05 05 23 00-1283)		
<b>05 05 23 00-1285</b>	<b>Zinc Plated Steel, Low Carbon/Grade 2 Hex Nuts</b> (05 05 23 00-1284)		
05 05 23 00-1286	EA 1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	0.62	0.28
05 05 23 00-1287	EA 5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	0.70	0.28
05 05 23 00-1288	EA 3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	0.75	0.28
05 05 23 00-1289	EA 7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	0.89	0.28
05 05 23 00-1290	EA 1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	0.96	0.28
05 05 23 00-1291	EA 9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	1.29	0.28
05 05 23 00-1292	EA 5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	1.34	0.28
05 05 23 00-1293	EA 3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	1.60	0.55
05 05 23 00-1294	EA 7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	2.37	0.55
05 05 23 00-1295	EA 1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	3.03	0.55
05 05 23 00-1296	EA 1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	5.01	0.55

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	05 05 23 00-1297	EA		1-1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	6.14	0.55
	05 05 23 00-1298	EA		1-3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	9.10	0.55
	05 05 23 00-1299	EA		1-1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	10.55	0.84
	05 05 23 00-1300	EA		1-3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	15.55	0.84
	05 05 23 00-1301	EA		2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	22.54	0.84
<b>05 05 23 00-1302</b>	<b>Zinc Plated Steel, Grade 5 Hex Nuts (05 05 23 00-1284)</b>					
	05 05 23 00-1303	EA		1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	0.65	0.28
	05 05 23 00-1304	EA		5/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	0.71	0.28
	05 05 23 00-1305	EA		3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	0.78	0.28
	05 05 23 00-1306	EA		7/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	0.92	0.28
	05 05 23 00-1307	EA		1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	1.09	0.28
	05 05 23 00-1308	EA		9/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	1.33	0.28
	05 05 23 00-1309	EA		5/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	1.37	0.28
	05 05 23 00-1310	EA		3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	1.82	0.55
	05 05 23 00-1311	EA		7/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	2.60	0.55
	05 05 23 00-1312	EA		1" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	3.70	0.55
	05 05 23 00-1313	EA		1-1/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	5.67	0.55
	05 05 23 00-1314	EA		1-1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	8.06	0.55
	05 05 23 00-1315	EA		1-3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	11.90	0.55
	05 05 23 00-1316	EA		1-1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	13.15	0.84
	05 05 23 00-1317	EA		1-3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	23.84	0.84
	05 05 23 00-1318	EA		2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	34.24	0.84
<b>05 05 23 00-1319</b>	<b>Zinc Plated Steel, Grade 8 Hex Nuts (05 05 23 00-1284)</b>					
	05 05 23 00-1320	EA		1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	0.66	0.28
	05 05 23 00-1321	EA		5/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	0.77	0.28
	05 05 23 00-1322	EA		3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	0.84	0.28
	05 05 23 00-1323	EA		7/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	1.06	0.28
	05 05 23 00-1324	EA		1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	1.28	0.28
	05 05 23 00-1325	EA		9/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	1.56	0.28
	05 05 23 00-1326	EA		5/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	1.78	0.28
	05 05 23 00-1327	EA		3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	2.22	0.55
	05 05 23 00-1328	EA		7/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	3.38	0.55
	05 05 23 00-1329	EA		1" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	4.52	0.55
	05 05 23 00-1330	EA		1-1/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	7.11	0.55
	05 05 23 00-1331	EA		1-1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	8.90	0.55
	05 05 23 00-1332	EA		1-3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	14.73	0.55
	05 05 23 00-1333	EA		1-1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	15.63	0.84
	05 05 23 00-1334	EA		1-3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	23.91	0.84
	05 05 23 00-1335	EA		2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	33.86	0.84
<b>05 05 23 00-1336</b>	<b>Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nuts (05 05 23 00-1284)</b>					
	05 05 23 00-1337	EA		1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	0.66	0.28
	05 05 23 00-1338	EA		5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	0.74	0.28
	05 05 23 00-1339	EA		3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	0.81	0.28
	05 05 23 00-1340	EA		7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	1.04	0.28
	05 05 23 00-1341	EA		1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	1.20	0.28
	05 05 23 00-1342	EA		9/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	1.35	0.28
	05 05 23 00-1343	EA		5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	1.50	0.28
	05 05 23 00-1344	EA		3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	2.02	0.55
	05 05 23 00-1345	EA		7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	2.97	0.55
	05 05 23 00-1346	EA		1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	4.12	0.55
	05 05 23 00-1347	EA		1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	6.87	0.55
	05 05 23 00-1348	EA		1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	8.84	0.55
	05 05 23 00-1349	EA		1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	13.18	0.55
	05 05 23 00-1350	EA		1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	15.39	0.84
	05 05 23 00-1351	EA		1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	26.94	0.84
	05 05 23 00-1352	EA		2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	46.72	0.84
<b>05 05 23 00-1353</b>	<b>304 Stainless Steel Hex Nuts (05 05 23 00-1284)</b>					
	05 05 23 00-1354	EA		1/4" Diameter, 304 Stainless Steel Hex Nut.....	0.74	0.28
	05 05 23 00-1355	EA		5/16" Diameter, 304 Stainless Steel Hex Nut.....	0.88	0.28
	05 05 23 00-1356	EA		3/8" Diameter, 304 Stainless Steel Hex Nut.....	1.00	0.28
	05 05 23 00-1357	EA		7/16" Diameter, 304 Stainless Steel Hex Nut.....	1.51	0.28
	05 05 23 00-1358	EA		1/2" Diameter, 304 Stainless Steel Hex Nut.....	1.63	0.28
	05 05 23 00-1359	EA		9/16" Diameter, 304 Stainless Steel Hex Nut.....	2.52	0.28
	05 05 23 00-1360	EA		5/8" Diameter, 304 Stainless Steel Hex Nut.....	2.82	0.28
	05 05 23 00-1361	EA		3/4" Diameter, 304 Stainless Steel Hex Nut.....	3.24	0.55
	05 05 23 00-1362	EA		7/8" Diameter, 304 Stainless Steel Hex Nut.....	5.37	0.55
	05 05 23 00-1363	EA		1" Diameter, 304 Stainless Steel Hex Nut.....	8.25	0.55
	05 05 23 00-1364	EA		1-1/4" Diameter, 304 Stainless Steel Hex Nut.....	19.91	0.55
	05 05 23 00-1365	EA		1-1/2" Diameter, 304 Stainless Steel Hex Nut.....	38.33	0.84
	05 05 23 00-1366	EA		1-3/4" Diameter, 304 Stainless Steel Hex Nut.....	67.50	0.84
	05 05 23 00-1367	EA		2" Diameter, 304 Stainless Steel Hex Nut.....	96.26	0.84
<b>05 05 23 00-1368</b>	<b>316 Stainless Steel Hex Nuts (05 05 23 00-1284)</b>					
	05 05 23 00-1369	EA		1/4" Diameter, 316 Stainless Steel Hex Nut.....	0.87	0.28
	05 05 23 00-1370	EA		5/16" Diameter, 316 Stainless Steel Hex Nut.....	1.00	0.28

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

05 05 23 00-1371	EA	3/8" Diameter, 316 Stainless Steel Hex Nut.....	1.20	0.28
05 05 23 00-1372	EA	7/16" Diameter, 316 Stainless Steel Hex Nut.....	2.01	0.28
05 05 23 00-1373	EA	1/2" Diameter, 316 Stainless Steel Hex Nut.....	2.15	0.28
05 05 23 00-1374	EA	9/16" Diameter, 316 Stainless Steel Hex Nut.....	2.95	0.28
05 05 23 00-1375	EA	5/8" Diameter, 316 Stainless Steel Hex Nut.....	3.34	0.28
05 05 23 00-1376	EA	3/4" Diameter, 316 Stainless Steel Hex Nut.....	4.68	0.55
05 05 23 00-1377	EA	7/8" Diameter, 316 Stainless Steel Hex Nut.....	6.54	0.55
05 05 23 00-1378	EA	1" Diameter, 316 Stainless Steel Hex Nut.....	10.12	0.55
05 05 23 00-1379	EA	1-1/4" Diameter, 316 Stainless Steel Hex Nut.....	30.93	0.55
05 05 23 00-1380	EA	1-1/2" Diameter, 316 Stainless Steel Hex Nut.....	50.09	0.84
05 05 23 00-1381	EA	1-3/4" Diameter, 316 Stainless Steel Hex Nut.....	84.62	0.84
05 05 23 00-1382	EA	2" Diameter, 316 Stainless Steel Hex Nut.....	157.43	0.84

**05 05 23 00-1383 Flat Washers (05 05 23 00-1283)****05 05 23 00-1384 Zinc Plated Steel, Low Carbon Flat Washers (05 05 23 00-1383)**

05 05 23 00-1385	EA	1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.05	
05 05 23 00-1386	EA	5/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.08	
05 05 23 00-1387	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.15	
05 05 23 00-1388	EA	7/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.22	
05 05 23 00-1389	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.32	
05 05 23 00-1390	EA	9/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.36	
05 05 23 00-1391	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.61	
05 05 23 00-1392	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.88	
05 05 23 00-1393	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.05	
05 05 23 00-1394	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.29	
05 05 23 00-1395	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.45	
05 05 23 00-1396	EA	1-1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.74	
05 05 23 00-1397	EA	1-3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	2.72	
05 05 23 00-1398	EA	1-1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	2.80	
05 05 23 00-1399	EA	1-3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	4.14	
05 05 23 00-1400	EA	2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	5.14	

**05 05 23 00-1401 Zinc Plated Steel, Hardened Flat Washers (05 05 23 00-1383)**

05 05 23 00-1402	EA	1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.19	
05 05 23 00-1403	EA	5/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.26	
05 05 23 00-1404	EA	3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.30	
05 05 23 00-1405	EA	7/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.40	
05 05 23 00-1406	EA	1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.55	
05 05 23 00-1407	EA	9/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.88	
05 05 23 00-1408	EA	5/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	1.26	
05 05 23 00-1409	EA	3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	1.78	
05 05 23 00-1410	EA	7/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	2.96	
05 05 23 00-1411	EA	1" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	3.29	
05 05 23 00-1412	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	4.79	
05 05 23 00-1413	EA	1-1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	5.22	
05 05 23 00-1414	EA	1-3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	6.89	
05 05 23 00-1415	EA	1-1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	7.88	
05 05 23 00-1416	EA	1-3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	10.59	
05 05 23 00-1417	EA	2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	12.71	

**05 05 23 00-1418 Hot Dipped Galvanized Steel Flat Washers (05 05 23 00-1383)**

05 05 23 00-1419	EA	1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.12	
05 05 23 00-1420	EA	5/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.18	
05 05 23 00-1421	EA	3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.20	
05 05 23 00-1422	EA	7/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.37	
05 05 23 00-1423	EA	1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.47	
05 05 23 00-1424	EA	9/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.78	
05 05 23 00-1425	EA	5/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.87	
05 05 23 00-1426	EA	3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	1.31	
05 05 23 00-1427	EA	7/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	1.85	
05 05 23 00-1428	EA	1" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	2.03	
05 05 23 00-1429	EA	1-1/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	3.11	
05 05 23 00-1430	EA	1-1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	3.46	
05 05 23 00-1431	EA	1-3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	4.94	
05 05 23 00-1432	EA	1-1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	5.35	
05 05 23 00-1433	EA	1-3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	7.76	

**05 05 23 00-1434 304/18-8 Stainless Steel Flat Washers (05 05 23 00-1383)**

05 05 23 00-1435	EA	1/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.15	
05 05 23 00-1436	EA	5/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.19	
05 05 23 00-1437	EA	3/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.28	
05 05 23 00-1438	EA	7/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.51	
05 05 23 00-1439	EA	1/2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.93	
05 05 23 00-1440	EA	9/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	1.16	
05 05 23 00-1441	EA	5/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	1.70	
05 05 23 00-1442	EA	3/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	1.73	
05 05 23 00-1443	EA	7/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	3.65	
05 05 23 00-1444	EA	1" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	4.62	
05 05 23 00-1445	EA	1-1/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	5.38	
05 05 23 00-1446	EA	1-1/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	5.80	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

05 05 23 00-1447	EA	1-3/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer .....	6.12
05 05 23 00-1448	EA	1-1/2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer .....	7.47
05 05 23 00-1449	EA	1-3/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer .....	9.28
05 05 23 00-1450	EA	2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer .....	18.24

**05 05 23 00-1451 316 Stainless Steel Flat Washers** (05 05 23 00-1383)

05 05 23 00-1452	EA	1/4" Inside Diameter, 316 Stainless Steel Flat Washer .....	0.28
05 05 23 00-1453	EA	5/16" Inside Diameter, 316 Stainless Steel Flat Washer .....	0.31
05 05 23 00-1454	EA	3/8" Inside Diameter, 316 Stainless Steel Flat Washer .....	0.55
05 05 23 00-1455	EA	7/16" Inside Diameter, 316 Stainless Steel Flat Washer .....	0.65
05 05 23 00-1456	EA	1/2" Inside Diameter, 316 Stainless Steel Flat Washer .....	1.20
05 05 23 00-1457	EA	9/16" Inside Diameter, 316 Stainless Steel Flat Washer .....	2.17
05 05 23 00-1458	EA	5/8" Inside Diameter, 316 Stainless Steel Flat Washer .....	2.55
05 05 23 00-1459	EA	3/4" Inside Diameter, 316 Stainless Steel Flat Washer .....	3.22
05 05 23 00-1460	EA	7/8" Inside Diameter, 316 Stainless Steel Flat Washer .....	4.98
05 05 23 00-1461	EA	1" Inside Diameter, 316 Stainless Steel Flat Washer .....	5.57
05 05 23 00-1462	EA	1-1/8" Inside Diameter, 316 Stainless Steel Flat Washer .....	6.34
05 05 23 00-1463	EA	1-1/4" Inside Diameter, 316 Stainless Steel Flat Washer .....	7.81
05 05 23 00-1464	EA	1-3/8" Inside Diameter, 316 Stainless Steel Flat Washer .....	8.26
05 05 23 00-1465	EA	1-1/2" Inside Diameter, 316 Stainless Steel Flat Washer .....	8.44
05 05 23 00-1466	EA	1-3/4" Inside Diameter, 316 Stainless Steel Flat Washer .....	12.37

**05 05 23 00-1467 Lock Washers** (05 05 23 00-1283)

**05 05 23 00-1468 Zinc Plated Steel, Low Carbon Lock Washers** (05 05 23 00-1467)

05 05 23 00-1469	EA	1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	0.02
05 05 23 00-1470	EA	5/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	0.04
05 05 23 00-1471	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	0.05
05 05 23 00-1472	EA	7/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	0.09
05 05 23 00-1473	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	0.12
05 05 23 00-1474	EA	9/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	0.20
05 05 23 00-1475	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	0.23
05 05 23 00-1476	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	0.35
05 05 23 00-1477	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	0.58
05 05 23 00-1478	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	1.05
05 05 23 00-1479	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	1.54
05 05 23 00-1480	EA	1-1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	2.36
05 05 23 00-1481	EA	1-3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	3.73
05 05 23 00-1482	EA	1-1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	4.39
05 05 23 00-1483	EA	1-3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	7.84
05 05 23 00-1484	EA	2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	8.82

**05 05 23 00-1485 Hot Dipped Galvanized Steel Lock Washers** (05 05 23 00-1467)

05 05 23 00-1486	EA	1/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	0.10
05 05 23 00-1487	EA	5/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	0.11
05 05 23 00-1488	EA	3/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	0.15
05 05 23 00-1489	EA	7/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	0.16
05 05 23 00-1490	EA	1/2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	0.26
05 05 23 00-1491	EA	9/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	0.34
05 05 23 00-1492	EA	5/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	0.40
05 05 23 00-1493	EA	3/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	0.68
05 05 23 00-1494	EA	7/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	0.97
05 05 23 00-1495	EA	1" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	1.54
05 05 23 00-1496	EA	1-1/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	2.78
05 05 23 00-1497	EA	1-1/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	3.32
05 05 23 00-1498	EA	1-3/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	4.79
05 05 23 00-1499	EA	1-1/2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	5.48
05 05 23 00-1500	EA	1-3/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	7.41
05 05 23 00-1501	EA	2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	10.09

**05 05 23 00-1502 304/18-8 Stainless Steel Lock Washers** (05 05 23 00-1467)

05 05 23 00-1503	EA	1/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer .....	0.12
05 05 23 00-1504	EA	5/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer .....	0.17
05 05 23 00-1505	EA	3/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer .....	0.24
05 05 23 00-1506	EA	7/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer .....	0.44
05 05 23 00-1507	EA	1/2" Inside Diameter, 304/18-8 Stainless Steel Lock Washer .....	0.49
05 05 23 00-1508	EA	9/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer .....	1.19
05 05 23 00-1509	EA	5/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer .....	1.41
05 05 23 00-1510	EA	3/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer .....	1.64
05 05 23 00-1511	EA	7/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer .....	2.97
05 05 23 00-1512	EA	1" Inside Diameter, 304/18-8 Stainless Steel Lock Washer .....	4.19
05 05 23 00-1513	EA	1-1/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer .....	7.32
05 05 23 00-1514	EA	1-1/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer .....	9.73
05 05 23 00-1515	EA	1-3/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer .....	12.37
05 05 23 00-1516	EA	1-1/2" Inside Diameter, 304/18-8 Stainless Steel Lock Washer .....	14.85

**05 05 23 00-1517 316 Stainless Steel Lock Washers** (05 05 23 00-1467)

05 05 23 00-1518	EA	1/4" Inside Diameter, 316 Stainless Steel Lock Washer .....	0.15
05 05 23 00-1519	EA	5/16" Inside Diameter, 316 Stainless Steel Lock Washer .....	0.32
05 05 23 00-1520	EA	3/8" Inside Diameter, 316 Stainless Steel Lock Washer .....	0.37

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

05 05 23 00-1521	EA	7/16" Inside Diameter, 316 Stainless Steel Lock Washer .....	0.64
05 05 23 00-1522	EA	1/2" Inside Diameter, 316 Stainless Steel Lock Washer .....	0.71
05 05 23 00-1523	EA	9/16" Inside Diameter, 316 Stainless Steel Lock Washer .....	1.28
05 05 23 00-1524	EA	5/8" Inside Diameter, 316 Stainless Steel Lock Washer .....	1.40
05 05 23 00-1525	EA	3/4" Inside Diameter, 316 Stainless Steel Lock Washer .....	2.41
05 05 23 00-1526	EA	7/8" Inside Diameter, 316 Stainless Steel Lock Washer .....	3.99
05 05 23 00-1527	EA	1" Inside Diameter, 316 Stainless Steel Lock Washer .....	5.43
05 05 23 00-1528	EA	1-1/8" Inside Diameter, 316 Stainless Steel Lock Washer .....	7.58
05 05 23 00-1529	EA	1-1/4" Inside Diameter, 316 Stainless Steel Lock Washer .....	11.66
05 05 23 00-1530	EA	1-3/8" Inside Diameter, 316 Stainless Steel Lock Washer .....	20.88
05 05 23 00-1531	EA	1-1/2" Inside Diameter, 316 Stainless Steel Lock Washer .....	23.18
05 05 23 00-1532		<b>Load Indicating Washers</b> (05 05 23 00-1283)	
05 05 23 00-1533		<b>A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959)</b> (05 05 23 00-1532)	
05 05 23 00-1534		<b>Plain Finish, A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959)</b> (05 05 23 00-1533)	
05 05 23 00-1535	EA	1/2", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959) .....	2.56
05 05 23 00-1536	EA	5/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959) .....	2.89
05 05 23 00-1537	EA	3/4", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959) .....	3.12
05 05 23 00-1538	EA	7/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959) .....	3.54
05 05 23 00-1539	EA	1", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959) .....	4.28
05 05 23 00-1540	EA	1-1/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959) .....	7.12
05 05 23 00-1541	EA	1-1/4", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959) .....	9.19
05 05 23 00-1542	EA	1-3/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959) .....	11.73
05 05 23 00-1543	EA	1-1/2", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959) .....	12.90
05 05 23 00-1544		<b>Galvanized, A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959)</b> (05 05 23 00-1533)	
05 05 23 00-1545	EA	1/2", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959) .....	3.23
05 05 23 00-1546	EA	5/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959) .....	3.60
05 05 23 00-1547	EA	3/4", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959) .....	3.50
05 05 23 00-1548	EA	7/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959) .....	4.28
05 05 23 00-1549	EA	1", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959) .....	5.07
05 05 23 00-1550	EA	1-1/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959) .....	7.64
05 05 23 00-1551	EA	1-1/4", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959) .....	9.61
05 05 23 00-1552	EA	1-3/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959) .....	13.68
05 05 23 00-1553	EA	1-1/2", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959) .....	15.05
05 05 23 00-1554		<b>Beveled Washers</b> (05 05 23 00-1283)	
05 05 23 00-1555		<b>Plain Finish, Square Beveled Structural Washers (ASTM F436)</b> (05 05 23 00-1554)	
05 05 23 00-1556	EA	1/2", Plain Finish, Square Beveled Structural Washer (ASTM F436) .....	4.22
05 05 23 00-1557	EA	5/8", Plain Finish, Square Beveled Structural Washer (ASTM F436) .....	4.31
05 05 23 00-1558	EA	3/4", Plain Finish, Square Beveled Structural Washer (ASTM F436) .....	4.40
05 05 23 00-1559	EA	7/8", Plain Finish, Square Beveled Structural Washer (ASTM F436) .....	5.35
05 05 23 00-1560	EA	1", Plain Finish, Square Beveled Structural Washer (ASTM F436) .....	5.63
05 05 23 00-1561		<b>Galvanized, Square Beveled Structural Washers (ASTM F436)</b> (05 05 23 00-1554)	
05 05 23 00-1562	EA	1/2", Galvanized, Square Beveled Structural Washer (ASTM F436) .....	6.07
05 05 23 00-1563	EA	5/8", Galvanized, Square Beveled Structural Washer (ASTM F436) .....	6.34
05 05 23 00-1564	EA	3/4", Galvanized, Square Beveled Structural Washer (ASTM F436) .....	6.34
05 05 23 00-1565	EA	7/8", Galvanized, Square Beveled Structural Washer (ASTM F436) .....	6.71
05 05 23 00-1566	EA	1", Galvanized, Square Beveled Structural Washer (ASTM F436) .....	7.13
05 05 23 00-1567		<b>Drilling In Steel Plates</b> (05 05 23)	
05 05 23 00-1568	EA	Up To 1/2" Diameter Drill Through Up To 1/4" Steel Plate .....	19.85
		For Aluminum, Deduct .....	-1.99
		For Stainless Steel, Add .....	2.48
		For >5 To 10, Deduct .....	-1.99
		For >10 To 25, Deduct .....	-4.96
		For >25 To 50, Deduct .....	-6.95
		For >50, Deduct .....	-9.93
05 05 23 00-1569	EA	>1/2" To 7/8" Diameter Drill Through Up To 1/4" Steel Plate .....	23.35
		For Aluminum, Deduct .....	-2.34
		For Stainless Steel, Add .....	2.92
		For >5 To 10, Deduct .....	-2.34
		For >10 To 25, Deduct .....	-5.84
		For >25 To 50, Deduct .....	-8.17
		For >50, Deduct .....	-11.68
05 05 23 00-1570	EA	>7/8" To 1-1/2" Diameter Drill Through Up To 1/4" Steel Plate .....	28.02
		For Aluminum, Deduct .....	-2.80
		For Stainless Steel, Add .....	3.50
		For >5 To 10, Deduct .....	-2.80
		For >10 To 25, Deduct .....	-7.01
		For >25 To 50, Deduct .....	-9.81
		For >50, Deduct .....	-14.01

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1571	EA			>1-1/2" To 4" Diameter Drill Through Up To 1/4" Steel Plate.....	32.69	
				<i>For Aluminum, Deduct</i>	-3.27	
				<i>For Stainless Steel, Add</i>	4.09	
				<i>For &gt;5 To 10, Deduct</i>	-3.27	
				<i>For &gt;10 To 25, Deduct</i>	-8.17	
				<i>For &gt;25 To 50, Deduct</i>	-11.44	
				<i>For &gt;50, Deduct</i>	-16.35	
05 05 23 00-1572	EA			>4" To 10" Diameter Drill Through Up To 1/4" Steel Plate.....	43.78	
				<i>For Aluminum, Deduct</i>	-4.38	
				<i>For Stainless Steel, Add</i>	5.47	
				<i>For &gt;5 To 10, Deduct</i>	-4.38	
				<i>For &gt;10 To 25, Deduct</i>	-10.95	
				<i>For &gt;25 To 50, Deduct</i>	-15.32	
				<i>For &gt;50, Deduct</i>	-21.89	
05 05 23 00-1573	EA			Up To 1/2" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	23.35	
				<i>For Aluminum, Deduct</i>	-2.34	
				<i>For Stainless Steel, Add</i>	2.92	
				<i>For &gt;5 To 10, Deduct</i>	-2.34	
				<i>For &gt;10 To 25, Deduct</i>	-5.84	
				<i>For &gt;25 To 50, Deduct</i>	-8.17	
				<i>For &gt;50, Deduct</i>	-11.68	
05 05 23 00-1574	EA			>1/2" To 7/8" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	29.19	
				<i>For Aluminum, Deduct</i>	-2.92	
				<i>For Stainless Steel, Add</i>	3.65	
				<i>For &gt;5 To 10, Deduct</i>	-2.92	
				<i>For &gt;10 To 25, Deduct</i>	-7.30	
				<i>For &gt;25 To 50, Deduct</i>	-10.22	
				<i>For &gt;50, Deduct</i>	-14.60	
05 05 23 00-1575	EA			>7/8" To 1-1/2" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	35.03	
				<i>For Aluminum, Deduct</i>	-3.50	
				<i>For Stainless Steel, Add</i>	4.38	
				<i>For &gt;5 To 10, Deduct</i>	-3.50	
				<i>For &gt;10 To 25, Deduct</i>	-8.76	
				<i>For &gt;25 To 50, Deduct</i>	-12.26	
				<i>For &gt;50, Deduct</i>	-17.52	
05 05 23 00-1576	EA			>1-1/2" To 4" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	43.78	
				<i>For Aluminum, Deduct</i>	-4.38	
				<i>For Stainless Steel, Add</i>	5.47	
				<i>For &gt;5 To 10, Deduct</i>	-4.38	
				<i>For &gt;10 To 25, Deduct</i>	-10.95	
				<i>For &gt;25 To 50, Deduct</i>	-15.32	
				<i>For &gt;50, Deduct</i>	-21.89	
05 05 23 00-1577	EA			Up To 1/2" Diameter Drill Through >1/2" To 1" Steel Plate.....	29.19	
				<i>For Aluminum, Deduct</i>	-2.92	
				<i>For Stainless Steel, Add</i>	3.65	
				<i>For &gt;5 To 10, Deduct</i>	-2.92	
				<i>For &gt;10 To 25, Deduct</i>	-7.30	
				<i>For &gt;25 To 50, Deduct</i>	-10.22	
				<i>For &gt;50, Deduct</i>	-14.60	
05 05 23 00-1578	EA			>1/2" To 7/8" Diameter Drill Through >1/2" To 1" Steel Plate.....	38.53	
				<i>For Aluminum, Deduct</i>	-3.85	
				<i>For Stainless Steel, Add</i>	4.82	
				<i>For &gt;5 To 10, Deduct</i>	-3.85	
				<i>For &gt;10 To 25, Deduct</i>	-9.63	
				<i>For &gt;25 To 50, Deduct</i>	-13.49	
				<i>For &gt;50, Deduct</i>	-19.27	
05 05 23 00-1579	EA			>7/8" To 1-1/2" Diameter Drill Through >1/2" To 1" Steel Plate.....	46.70	
				<i>For Aluminum, Deduct</i>	-4.67	
				<i>For Stainless Steel, Add</i>	5.84	
				<i>For &gt;5 To 10, Deduct</i>	-4.67	
				<i>For &gt;10 To 25, Deduct</i>	-11.68	
				<i>For &gt;25 To 50, Deduct</i>	-16.35	
				<i>For &gt;50, Deduct</i>	-23.35	
05 05 23 00-1580	<b>Welded Stud Anchors</b> <small>(05 05 23)</small>					
05 05 23 00-1581	EA			1-1/8" Long x 1/4" Diameter, Welded Stud Concrete Anchors.....	4.01	
05 05 23 00-1582	EA			2-11/16" Long x 1/4" Diameter, Welded Stud Concrete Anchors.....	4.10	
05 05 23 00-1583	EA			3-1/8" Long x 1/4" Diameter, Welded Stud Concrete Anchors.....	4.13	
05 05 23 00-1584	EA			4-1/8" Long x 1/4" Diameter, Welded Stud Concrete Anchors.....	4.17	
05 05 23 00-1585	EA			1-3/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	3.94	
05 05 23 00-1586	EA			1-5/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	4.15	
05 05 23 00-1587	EA			2-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	4.36	
05 05 23 00-1588	EA			2-5/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	4.47	
05 05 23 00-1589	EA			3-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	4.59	
05 05 23 00-1590	EA			4-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	5.03	
05 05 23 00-1591	EA			5-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	5.39	
05 05 23 00-1592	EA			6-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	5.68	
05 05 23 00-1593	EA			1-1/2" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	4.83	
05 05 23 00-1594	EA			1-5/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	4.85	
05 05 23 00-1595	EA			2-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	5.19	
05 05 23 00-1596	EA			2-5/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	5.50	
05 05 23 00-1597	EA			3-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	5.89	
05 05 23 00-1598	EA			4-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	6.49	
05 05 23 00-1599	EA			5-5/16" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	6.88	
05 05 23 00-1600	EA			6-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	7.94	
05 05 23 00-1601	EA			8-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	9.94	
05 05 23 00-1602	EA			2-11/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	6.90	
05 05 23 00-1603	EA			3-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	7.41	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

05 05 23 00-1604	EA	3-11/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	7.82	
05 05 23 00-1605	EA	4-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	8.23	
05 05 23 00-1606	EA	4-11/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	8.56	
05 05 23 00-1607	EA	5-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	8.88	
05 05 23 00-1608	EA	6-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	9.29	
05 05 23 00-1609	EA	6-9/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	11.00	
05 05 23 00-1610	EA	8-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	13.37	

**05 05 23 00-1611 Welded Shear Stud Connector (05 05 23)****05 05 23 00-1612 3/4" Diameter Welded Shear Stud Connector (05 05 23 00-1611)**

05 05 23 00-1613	EA	3/4" Diameter x 3-3/16" Long, Welded Shear Stud Connector.....	8.85	
05 05 23 00-1614	EA	3/4" Diameter x 3-3/8" Long, Welded Shear Stud Connector.....	9.22	
05 05 23 00-1615	EA	3/4" Diameter x 3-7/8" Long, Welded Shear Stud Connector.....	9.31	
05 05 23 00-1616	EA	3/4" Diameter x 4-3/16" Long, Welded Shear Stud Connector.....	9.36	
05 05 23 00-1617	EA	3/4" Diameter x 4-3/8" Long, Welded Shear Stud Connector.....	9.77	
05 05 23 00-1618	EA	3/4" Diameter x 4-11/16" Long, Welded Shear Stud Connector.....	10.52	
05 05 23 00-1619	EA	3/4" Diameter x 4-7/8" Long, Welded Shear Stud Connector.....	17.79	
05 05 23 00-1620	EA	3/4" Diameter x 5-3/16" Long, Welded Shear Stud Connector.....	11.39	
05 05 23 00-1621	EA	3/4" Diameter x 5-3/8" Long, Welded Shear Stud Connector.....	12.72	
05 05 23 00-1622	EA	3/4" Diameter x 6-3/16" Long, Welded Shear Stud Connector.....	16.57	
05 05 23 00-1623	EA	3/4" Diameter x 7-3/16" Long, Welded Shear Stud Connector.....	16.98	
05 05 23 00-1624	EA	3/4" Diameter x 8-3/16" Long, Welded Shear Stud Connector.....	18.43	
05 05 23 00-1625	EA	3/4" Diameter x 10-3/16" Long, Welded Shear Stud Connector.....	24.52	

**05 05 23 00-1626 7/8" Diameter Welded Shear Stud Connector (05 05 23 00-1611)**

05 05 23 00-1627	EA	7/8" Diameter x 3-3/16" Long, Welded Shear Stud Connector.....	10.66	
05 05 23 00-1628	EA	7/8" Diameter x 3-11/16" Long, Welded Shear Stud Connector.....	11.24	
05 05 23 00-1629	EA	7/8" Diameter x 4-3/16" Long, Welded Shear Stud Connector.....	11.82	
05 05 23 00-1630	EA	7/8" Diameter x 5-3/16" Long, Welded Shear Stud Connector.....	13.49	
05 05 23 00-1631	EA	7/8" Diameter x 6-3/16" Long, Welded Shear Stud Connector.....	17.47	
05 05 23 00-1632	EA	7/8" Diameter x 7-3/16" Long, Welded Shear Stud Connector.....	19.23	
05 05 23 00-1633	EA	7/8" Diameter x 8-3/16" Long, Welded Shear Stud Connector.....	20.97	
05 05 23 00-1634	EA	7/8" Diameter x 10-3/16" Long, Welded Shear Stud Connector.....	25.84	

**05 05 23 00-1635 1" Diameter Welded Shear Stud Connector (05 05 23 00-1611)**

05 05 23 00-1636	EA	1" Diameter x 3-1/4" Long, Welded Shear Stud Connector.....	14.45	
05 05 23 00-1637	EA	1" Diameter x 4-1/4" Long, Welded Shear Stud Connector.....	16.24	
05 05 23 00-1638	EA	1" Diameter x 5-1/4" Long, Welded Shear Stud Connector.....	18.87	
05 05 23 00-1639	EA	1" Diameter x 6-1/4" Long, Welded Shear Stud Connector.....	24.06	
05 05 23 00-1640	EA	1" Diameter x 7-1/4" Long, Welded Shear Stud Connector.....	26.81	
05 05 23 00-1641	EA	1" Diameter x 8-1/4" Long, Welded Shear Stud Connector.....	29.56	

**05 10 Structural Metal Framing (05)****05 12 Structural Steel Framing (05 10)****05 12 23 Structural Steel for Buildings (05 12)**

See CSI section 05 05 21 00-0007 for moment connection welding, 05 12 23 00-0117 for field fabrication of additional structural metal connections.

**05 12 23 00-0001 Rolled Steel Members (05 12 23)**

Note: Prices by Ton (or LB) are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock cross-sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection (or demolition). Excludes moment connection welding. See CSI section 05 05 21 00-0007 for moment connection welding, 05 12 23 00-0117 for field fabrication of additional structural metal connections.

**05 12 23 00-0002 Beams, Girders And Columns (05 12 23 00-0001)**

Note: For one and two story I beams and W shapes and HP shapes.

05 12 23 00-0003	TON	Up To 30 LB/LF Beams, Girders And Columns.....	9,083.97	1,211.84
		<i>For ASTM A242 Type 2 High Strength Steel, Add</i>	526.15	
		<i>For Hot Dip Galvanizing, Add</i>	1,841.54	
		<i>For &gt;10 To 25 Tons, Deduct</i>	-559.04	
		<i>For &gt;25 To 50 Tons, Deduct</i>	-1,150.96	
		<i>For &gt;50 Tons, Deduct</i>	-1,644.23	
05 12 23 00-0004	TON	>30-65 LB/LF Beams, Girders And Columns.....	6,233.42	783.38
		<i>For ASTM A242 Type 2 High Strength Steel, Add</i>	431.82	
		<i>For Hot Dip Galvanizing, Add</i>	1,511.37	
		<i>For &gt;10 To 25 Tons, Deduct</i>	-458.81	
		<i>For &gt;25 To 50 Tons, Deduct</i>	-944.60	
		<i>For &gt;50 Tons, Deduct</i>	-1,349.44	
05 12 23 00-0005	TON	>65-100 LB/LF Beams, Girders And Columns.....	5,262.09	440.70
		<i>For ASTM A242 Type 2 High Strength Steel, Add</i>	383.36	
		<i>For Hot Dip Galvanizing, Add</i>	1,341.77	
		<i>For &gt;10 To 25 Tons, Deduct</i>	-407.32	
		<i>For &gt;25 To 50 Tons, Deduct</i>	-838.60	
		<i>For &gt;50 Tons, Deduct</i>	-1,198.01	
05 12 23 00-0006	TON	>100-300 LB/LF Beams, Girders And Columns.....	3,526.62	234.57
		<i>For ASTM A242 Type 2 High Strength Steel, Add</i>	262.07	
		<i>For Hot Dip Galvanizing, Add</i>	917.25	
		<i>For &gt;10 To 25 Tons, Deduct</i>	-278.45	
		<i>For &gt;25 To 50 Tons, Deduct</i>	-573.28	
		<i>For &gt;50 Tons, Deduct</i>	-818.98	

	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>05 12 23 00-0007</b>	<b>Trusses, Built-Up</b> <small>(05 12 23 00-0001)</small>			
05 12 23 00-0008	TON Built-Up Trusses, Rolled Structural Steel Members.....	6,613.28	824.15	
	For ASTM A242 Type 2 High Strength Steel, Add	458.77		
	For Hot Dip Galvanizing, Add	1,605.70		
	For >10 To 25 Tons, Deduct	-487.44		
	For >25 To 50 Tons, Deduct	-1,003.56		
	For >50 Tons, Deduct	-1,433.66		
<b>05 12 23 00-0009</b>	<b>Shapes</b> <small>(05 12 23 00-0001)</small>			
<b>05 12 23 00-0010</b>	<b>Rolled Shape Steel Angles</b> <small>(05 12 23 00-0009)</small>			
05 12 23 00-0011	TON Up To 10 LB/LF Rolled Shape Steel Angles.....	13,252.70	2,252.82	
	For ASTM A242 Type 2 High Strength Steel, Add	759.84		
	For Hot Dip Galvanizing, Add	2,659.44		
	For >10 To 25 Tons, Deduct	-807.33		
	For >25 To 50 Tons, Deduct	-1,662.15		
	For >50 Tons, Deduct	-2,374.50		
05 12 23 00-0012	TON >10 To 20 LB/LF Rolled Shape Steel Angles .....	11,592.87	1,322.08	
	For ASTM A242 Type 2 High Strength Steel, Add	726.87		
	For Hot Dip Galvanizing, Add	2,544.03		
	For >10 To 25 Tons, Deduct	-772.29		
	For >25 To 50 Tons, Deduct	-1,590.02		
	For >50 Tons, Deduct	-2,271.46		
05 12 23 00-0013	TON >20 To 58 LB/LF Rolled Shape Steel Angles .....	8,828.20	783.38	
	For ASTM A242 Type 2 High Strength Steel, Add	639.41		
	For Hot Dip Galvanizing, Add	2,237.94		
	For >10 To 25 Tons, Deduct	-679.38		
	For >25 To 50 Tons, Deduct	-1,398.71		
	For >50 Tons, Deduct	-1,998.16		
<b>05 12 23 00-0014</b>	<b>Rolled C, MC Steel Channels</b> <small>(05 12 23 00-0009)</small>			
05 12 23 00-0015	TON Up To 10 LB/LF Rolled C, MC Steel Channels.....	14,520.26	3,084.85	
	For ASTM A242 Type 2 High Strength Steel, Add	748.37		
	For Hot Dip Galvanizing, Add	2,619.30		
	For >10 To 25 Tons, Deduct	-795.14		
	For >25 To 50 Tons, Deduct	-1,637.06		
	For >50 Tons, Deduct	-2,338.66		
05 12 23 00-0016	TON >10 To 20 Rolled C, MC Steel Channels.....	11,467.42	2,350.37	
	For ASTM A242 Type 2 High Strength Steel, Add	716.83		
	For Hot Dip Galvanizing, Add	2,508.90		
	For >10 To 25 Tons, Deduct	-761.63		
	For >25 To 50 Tons, Deduct	-1,568.06		
	For >50 Tons, Deduct	-2,240.09		
05 12 23 00-0017	TON >20 To 58 LB/LF Rolled C, MC Steel Channels .....	8,684.83	783.38	
	For ASTM A242 Type 2 High Strength Steel, Add	627.94		
	For Hot Dip Galvanizing, Add	2,197.80		
	For >10 To 25 Tons, Deduct	-667.19		
	For >25 To 50 Tons, Deduct	-1,373.62		
	For >50 Tons, Deduct	-1,962.32		
<b>05 12 23 00-0018</b>	<b>Double L Shape Steel Angles</b> <small>(05 12 23 00-0009)</small>			
05 12 23 00-0019	TON Up To 20 LB/LF Double L Shape Steel Angles.....	12,268.51	1,787.45	
	For ASTM A242 Type 2 High Strength Steel, Add	731.17		
	For Hot Dip Galvanizing, Add	2,559.08		
	For >10 To 25 Tons, Deduct	-776.86		
	For >25 To 50 Tons, Deduct	-1,599.43		
	For >50 Tons, Deduct	-2,284.90		
05 12 23 00-0020	TON >20 To 50 LB/LF Double L Shape Steel Angles .....	9,437.51	783.38	
	For ASTM A242 Type 2 High Strength Steel, Add	688.16		
	For Hot Dip Galvanizing, Add	2,408.55		
	For >10 To 25 Tons, Deduct	-731.17		
	For >25 To 50 Tons, Deduct	-1,505.34		
	For >50 Tons, Deduct	-2,150.49		
05 12 23 00-0021	TON >50 To 80 LB/LF Double L Shape Steel Angles .....	7,100.74	440.70	
	For ASTM A242 Type 2 High Strength Steel, Add	530.45		
	For Hot Dip Galvanizing, Add	1,856.59		
	For >10 To 25 Tons, Deduct	-563.61		
	For >25 To 50 Tons, Deduct	-1,160.37		
	For >50 Tons, Deduct	-1,657.67		
05 12 23 00-0022	TON >80 To 115 LB/LF Double L Shape Steel Angles .....	4,551.30	234.92	
	For ASTM A242 Type 2 High Strength Steel, Add	344.08		
	For Hot Dip Galvanizing, Add	1,204.27		
	For >10 To 25 Tons, Deduct	-365.58		
	For >25 To 50 Tons, Deduct	-752.67		
	For >50 Tons, Deduct	-1,075.25		
<b>05 12 23 00-0023</b>	<b>Structural WT, MT, ST Tee Shapes</b> <small>(05 12 23 00-0001)</small>			
05 12 23 00-0024	TON Up To 30 LB/LF Structural WT, MT, ST Tee Shapes.....	11,109.01	1,322.08	
	For ASTM A242 Type 2 High Strength Steel, Add	688.16		
	For Hot Dip Galvanizing, Add	2,408.55		
	For >10 To 25 Tons, Deduct	-731.17		
	For >25 To 50 Tons, Deduct	-1,505.34		
	For >50 Tons, Deduct	-2,150.49		

## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 12 23 00-0025	TON >30 To 65 LB/LF Structural WT, MT, ST Tee Shapes ..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 Tons, Deduct	7,412.59 526.15 1,841.53 -559.04 -1,150.96 -1,644.23	783.38
05 12 23 00-0026	TON >65 To 100 LB/LF Structural WT, MT, ST Tee Shapes ..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 Tons, Deduct	5,846.29 430.10 1,505.34 -456.98 -940.84 -1,344.06	440.70
05 12 23 00-0027	TON >100 To 365 LB/LF Structural WT, MT, ST Tee Shapes ..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 Tons, Deduct	4,300.80 324.01 1,134.03 -344.26 -708.77 -1,012.52	234.57
05 12 23 00-0028	Combination Section Shapes (05 12 23 00-0001)		
05 12 23 00-0029	Combination Section, W Shapes And Angles (05 12 23 00-0028)		
05 12 23 00-0030	TON Up To 30 LB/LF Combination Section - W Shapes And Angles ..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 Tons, Deduct	10,553.46 643.71 2,252.99 -683.94 -1,408.12 -2,011.60	1,322.08
05 12 23 00-0031	TON >30-65 LB/LF Combination Section - W Shapes And Angles ..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 Tons, Deduct	7,466.37 530.46 1,856.59 -563.61 -1,160.37 -1,657.67	783.38
05 12 23 00-0032	TON >65-100 LB/LF Combination Section - W Shapes And Angles ..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 Tons, Deduct	5,398.27 394.26 1,379.90 -418.90 -862.44 -1,232.05	440.70
05 12 23 00-0033	TON >100-300 LB/LF Combination Section - W Shapes And Angles ..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 Tons, Deduct	4,658.83 352.68 1,234.38 -374.72 -771.49 -1,102.13	234.57
05 12 23 00-0034	TON >300-500 LB/LF Combination Section - W Shapes And Angles ..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 Tons, Deduct	4,014.16 311.10 1,088.87 -330.55 -680.54 -972.20	117.75
05 12 23 00-0035	Combination Section, S Shapes And Angles (05 12 23 00-0028)		
05 12 23 00-0036	TON >30-65 LB/LF Combination Section - S Shapes And Angles ..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 Tons, Deduct	7,179.62 507.52 1,776.30 -539.23 -1,110.19 -1,585.99	783.38
05 12 23 00-0037	TON >65-100 LB/LF Combination Section - S Shapes And Angles ..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 Tons, Deduct	5,416.19 395.69 1,384.91 -420.42 -865.57 -1,236.53	440.70
05 12 23 00-0038	Combination Section, Channels And Angles (05 12 23 00-0028)		
05 12 23 00-0039	TON Up To 30 LB/LF Combination Section - Channels And Angles ..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 Tons, Deduct	11,109.01 688.16 2,408.55 -731.17 -1,505.34 -2,150.49	1,322.08
05 12 23 00-0040	TON >30-65 LB/LF Combination Section - Channels And Angles ..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 Tons, Deduct	7,824.77 559.13 1,956.95 -594.07 -1,223.09 -1,747.27	783.38
05 12 23 00-0041	TON >65-100 LB/LF Combination Section - Channels And Angles ..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 Tons, Deduct	5,541.64 405.73 1,420.04 -431.08 -887.52 -1,267.89	440.70

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0042			<b>Standard Weight Pipe</b> (05 12 23 00-0001)		
05 12 23 00-0043		TON	1/2" To 5" Diameter Standard Weight Pipe.....	6,343.39	705.11
			For ASTM A242 Type 2 High Strength Steel, Add	447.30	
			For Hot Dip Galvanizing, Add	1,565.56	
			For >10 To 25 Tons, Deduct	-475.26	
			For >25 To 50 Tons, Deduct	-978.47	
			For >50 Tons, Deduct	-1,397.82	
05 12 23 00-0044		TON	>5" To 12" Diameter Standard Weight Pipe.....	6,782.31	881.38
			For ASTM A242 Type 2 High Strength Steel, Add	467.37	
			For Hot Dip Galvanizing, Add	1,635.80	
			For >10 To 25 Tons, Deduct	-496.58	
			For >25 To 50 Tons, Deduct	-1,022.38	
			For >50 Tons, Deduct	-1,460.54	
05 12 23 00-0045			<b>Structural Steel Shapes</b> (05 12 23)		
			Note: Prices by Ton (or LB) are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock cross-sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection (or demolition). Excludes moment connection welding. See CSI section 05 05 21 00-0007 for moment connection welding, 05 12 23 00-0117 for field fabrication of additional structural metal connections.		
05 12 23 00-0046			<b>Steel Rods</b> (05 12 23 00-0045)		
05 12 23 00-0047		TON	1/2" To 5" Diameter Extra Strong Steel, Solid.....	6,824.00	550.93
			For ASTM A242 Type 2 High Strength Steel, Add	498.91	
			For Hot Dip Galvanizing, Add	1,746.19	
			For >10 To 25 Tons, Deduct	-530.09	
			For >25 To 50 Tons, Deduct	-1,091.37	
			For >50 Tons, Deduct	-1,559.10	
05 12 23 00-0048		TON	>5" To 12" Diameter Extra Strong Steel, Solid.....	7,824.77	783.38
			For ASTM A242 Type 2 High Strength Steel, Add	559.13	
			For Hot Dip Galvanizing, Add	1,956.95	
			For >10 To 25 Tons, Deduct	-594.07	
			For >25 To 50 Tons, Deduct	-1,223.09	
			For >50 Tons, Deduct	-1,747.27	
05 12 23 00-0049			<b>Column Base Plates</b> (05 12 23 00-0045)		
05 12 23 00-0050		LB	Column Base Plates, Up To 150 LB / Each, A36 Miscellaneous Steel Items.....	3.45	0.72
			For ASTM A242 Type 2 High Strength Steel, Add	0.22	
			For Hot Dip Galvanizing, Add	0.75	
05 12 23 00-0051		LB	Column Base Plates, >150 LB / Each, A36 Miscellaneous Steel Items.....	3.23	0.61
			For ASTM A242 Type 2 High Strength Steel, Add	0.20	
			For Hot Dip Galvanizing, Add	0.71	
05 12 23 00-0052		TON	Column Base Plates, Up To 150 LB Each, A36 Miscellaneous Steel Items.....	6,221.39	635.46
			For ASTM A242 Type 2 High Strength Steel, Add	443.48	
			For Hot Dip Galvanizing, Add	1,552.20	
			For >10 To 25 Tons, Deduct	-471.20	
			For >25 To 50 Tons, Deduct	-970.12	
			For >50 Tons, Deduct	-1,385.89	
05 12 23 00-0053		TON	Column Base Plates, >150 LB Each, A36 Miscellaneous Steel Items.....	4,416.29	381.27
			For ASTM A242 Type 2 High Strength Steel, Add	320.77	
			For Hot Dip Galvanizing, Add	1,122.69	
			For >10 To 25 Tons, Deduct	-340.82	
			For >25 To 50 Tons, Deduct	-701.68	
			For >50 Tons, Deduct	-1,002.40	
05 12 23 00-0054			<b>Double Extra Strong Pipes</b> (05 12 23 00-0045)		
05 12 23 00-0055		TON	2" To 5" Diameter Double Extra Strong Pipe.....	8,206.91	1,007.25
			For ASTM A242 Type 2 High Strength Steel, Add	570.60	
			For Hot Dip Galvanizing, Add	1,997.09	
			For >10 To 25 Tons, Deduct	-606.26	
			For >25 To 50 Tons, Deduct	-1,248.18	
			For >50 Tons, Deduct	-1,783.12	
05 12 23 00-0056		TON	>5" To 8" Diameter Double Extra Strong Pipe.....	7,711.01	542.35
			For ASTM A242 Type 2 High Strength Steel, Add	570.60	
			For Hot Dip Galvanizing, Add	1,997.09	
			For >10 To 25 Tons, Deduct	-606.26	
			For >25 To 50 Tons, Deduct	-1,248.18	
			For >50 Tons, Deduct	-1,783.12	
05 12 23 00-0057			<b>Structural Pipes</b> (05 12 23 00-0045)		
05 12 23 00-0058		TON	3" To 5" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items.....	5,733.84	465.38
			For ASTM A242 Type 2 High Strength Steel, Add	401.42	
			For Hot Dip Galvanizing, Add	1,404.99	
			For >10 To 25 Tons, Deduct	-426.51	
			For >25 To 50 Tons, Deduct	-878.12	
			For >50 Tons, Deduct	-1,254.45	
05 12 23 00-0059		TON	>5" To 12" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items.....	6,201.88	536.71
			For ASTM A242 Type 2 High Strength Steel, Add	401.42	
			For Hot Dip Galvanizing, Add	1,404.99	
			For >10 To 25 Tons, Deduct	-426.51	
			For >25 To 50 Tons, Deduct	-878.12	
			For >50 Tons, Deduct	-1,254.45	
05 12 23 00-0060			<b>Structural Tubing</b> (05 12 23 00-0045)		

## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing

 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

05 12 23 00-0061	Rectangle Structural Tubing (05 12 23 00-0060)		
05 12 23 00-0062	TON 3" x 2" Weight Range 5-7 LB/LF Structural Tubing - Rectangle.....	9,461.78	470.07
	For ASTM A242 Type 2 High Strength Steel, Add	716.83	
	For Hot Dip Galvanizing, Add	2,508.90	
	For >10 To 25 Tons, Deduct	-761.63	
	For >25 To 50 Tons, Deduct	-1,568.06	
	For >50 Tons, Deduct	-2,240.09	
05 12 23 00-0063	TON 4" x 3", 2" Weight Range 6-13 LB/LF Structural Tubing - Rectangle.....	9,538.92	542.35
	For ASTM A242 Type 2 High Strength Steel, Add	716.83	
	For Hot Dip Galvanizing, Add	2,508.90	
	For >10 To 25 Tons, Deduct	-761.63	
	For >25 To 50 Tons, Deduct	-1,568.06	
	For >50 Tons, Deduct	-2,240.09	
05 12 23 00-0064	TON 5" x 4", 2" Weight Range 8-20 LB/LF Structural Tubing - Rectangle.....	8,332.69	587.59
	For ASTM A242 Type 2 High Strength Steel, Add	616.47	
	For Hot Dip Galvanizing, Add	2,157.66	
	For >10 To 25 Tons, Deduct	-655.00	
	For >25 To 50 Tons, Deduct	-1,348.54	
	For >50 Tons, Deduct	-1,926.48	
05 12 23 00-0065	TON 6" x 4", 3", 2" Weight Range 9-29 LB/LF Structural Tubing - Rectangle .....	7,920.42	705.11
	For ASTM A242 Type 2 High Strength Steel, Add	573.46	
	For Hot Dip Galvanizing, Add	2,007.12	
	For >10 To 25 Tons, Deduct	-609.31	
	For >25 To 50 Tons, Deduct	-1,254.45	
	For >50 Tons, Deduct	-1,792.08	
05 12 23 00-0066	TON 7" x 5", 4", 3" Weight Range 12-35 LB/LF Structural Tubing - Rectangle .....	7,466.35	783.38
	For ASTM A242 Type 2 High Strength Steel, Add	530.45	
	For Hot Dip Galvanizing, Add	1,856.59	
	For >10 To 25 Tons, Deduct	-563.61	
	For >25 To 50 Tons, Deduct	-1,160.37	
	For >50 Tons, Deduct	-1,657.67	
05 12 23 00-0067	TON 8" x 6", 4", 3", 2" Weight Range 11-42 LB/LF Structural Tubing - Rectangle .....	7,787.06	1,084.10
	For ASTM A242 Type 2 High Strength Steel, Add	530.45	
	For Hot Dip Galvanizing, Add	1,856.59	
	For >10 To 25 Tons, Deduct	-563.61	
	For >25 To 50 Tons, Deduct	-1,160.37	
	For >50 Tons, Deduct	-1,657.67	
05 12 23 00-0068	TON 10" x 6", 4", 2" Weight Range 15-50 LB/LF Structural Tubing - Rectangle .....	8,302.73	1,433.13
	For ASTM A242 Type 2 High Strength Steel, Add	541.92	
	For Hot Dip Galvanizing, Add	1,896.73	
	For >10 To 25 Tons, Deduct	-575.79	
	For >25 To 50 Tons, Deduct	-1,185.46	
	For >50 Tons, Deduct	-1,693.51	
05 12 23 00-0069	TON 12" x 6", 4", 2" Weight Range 17-76 LB/LF Structural Tubing - Rectangle .....	8,515.60	1,565.46
	For ASTM A242 Type 2 High Strength Steel, Add	547.66	
	For Hot Dip Galvanizing, Add	1,916.80	
	For >10 To 25 Tons, Deduct	-581.89	
	For >25 To 50 Tons, Deduct	-1,198.00	
	For >50 Tons, Deduct	-1,711.43	
05 12 23 00-0070	TON 14" x 10", 6", 4" Weight Range 29-76 LB/LF Structural Tubing - Rectangle .....	8,726.01	1,762.77
	For ASTM A242 Type 2 High Strength Steel, Add	547.66	
	For Hot Dip Galvanizing, Add	1,916.80	
	For >10 To 25 Tons, Deduct	-581.89	
	For >25 To 50 Tons, Deduct	-1,198.00	
	For >50 Tons, Deduct	-1,711.43	
05 12 23 00-0071	TON 16" x 12", 8", 4" Weight Range 40-90 LB/LF Structural Tubing - Rectangle .....	10,724.23	3,703.35
	For ASTM A242 Type 2 High Strength Steel, Add	541.92	
	For Hot Dip Galvanizing, Add	1,896.73	
	For >10 To 25 Tons, Deduct	-575.79	
	For >25 To 50 Tons, Deduct	-1,185.46	
	For >50 Tons, Deduct	-1,693.51	
05 12 23 00-0072	TON 18" x 6" Weight Range 48-76 LB/LF Structural Tubing - Rectangle.....	9,101.88	2,350.37
	For ASTM A242 Type 2 High Strength Steel, Add	527.59	
	For Hot Dip Galvanizing, Add	1,846.55	
	For >10 To 25 Tons, Deduct	-560.56	
	For >25 To 50 Tons, Deduct	-1,154.10	
	For >50 Tons, Deduct	-1,648.71	
05 12 23 00-0073	TON 20" x 12", 8", 4" Weight Range 48-105 LB/LF Structural Tubing - Rectangle .....	12,721.01	5,407.36
	For ASTM A242 Type 2 High Strength Steel, Add	556.26	
	For Hot Dip Galvanizing, Add	1,946.91	
	For >10 To 25 Tons, Deduct	-591.03	
	For >25 To 50 Tons, Deduct	-1,216.82	
	For >50 Tons, Deduct	-1,738.31	
05 12 23 00-0074	Square Structural Tubing (05 12 23 00-0060)		
05 12 23 00-0075	TON 2" x 2" Weight Range 4-6 LB/LF Structural Tubing - Square .....	9,430.44	440.70
	For ASTM A242 Type 2 High Strength Steel, Add	716.83	
	For Hot Dip Galvanizing, Add	2,508.90	
	For >10 To 25 Tons, Deduct	-761.63	
	For >25 To 50 Tons, Deduct	-1,568.06	
	For >50 Tons, Deduct	-2,240.09	
05 12 23 00-0076	TON 2.5" x 2.5" Weight Range 5-8 LB/LF Structural Tubing - Square .....	9,461.78	470.07
	For ASTM A242 Type 2 High Strength Steel, Add	716.83	
	For Hot Dip Galvanizing, Add	2,508.90	
	For >10 To 25 Tons, Deduct	-761.63	
	For >25 To 50 Tons, Deduct	-1,568.06	
	For >50 Tons, Deduct	-2,240.09	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
					UNIT COST	UNIT COST

05 12 23 00-0077	TON	3" x 3"		Weight Range 6-11 LB/LF Structural Tubing - Square ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	8,511.90 630.81 2,207.84 -670.24 -1,379.90 -1,971.28	587.59
05 12 23 00-0078	TON	3.5" x 3.5"		Weight Range 8-13 LB/LF Structural Tubing - Square ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	8,458.04 616.47 2,157.66 -655.00 -1,348.54 -1,926.48	705.11
05 12 23 00-0079	TON	4" x 4"		Weight Range 10-22 LB/LF Structural Tubing - Square ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	6,818.15 470.24 1,645.84 -499.63 -1,028.65 -1,469.50	881.38
05 12 23 00-0080	TON	5" x 5"		Weight Range 12-30 LB/LF Structural Tubing - Square ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	6,952.45 470.24 1,645.84 -499.63 -1,028.65 -1,469.50	1,007.25
05 12 23 00-0081	TON	6" x 6"		Weight Range 15-35 LB/LF Structural Tubing - Square ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	7,382.23 470.24 1,645.84 -499.63 -1,028.65 -1,469.50	1,410.22
05 12 23 00-0082	TON	7" x 7"		Weight Range 17-42 LB/LF Structural Tubing - Square ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	7,865.82 478.84 1,675.95 -508.77 -1,047.47 -1,496.38	1,762.77
05 12 23 00-0083	TON	8" x 8"		Weight Range 20-60 LB/LF Structural Tubing - Square ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	9,460.30 556.26 1,946.91 -591.03 -1,216.82 -1,738.31	2,350.37
05 12 23 00-0084	TON	10" x 10"		Weight Range 33-77 LB/LF Structural Tubing - Square ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	10,713.83 556.26 1,946.91 -591.03 -1,216.82 -1,738.31	3,525.55
05 12 23 00-0085	TON	12" x 12"		Weight Range 40-80 LB/LF Structural Tubing - Square ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	10,399.36 478.84 1,675.95 -508.77 -1,047.47 -1,496.38	4,137.93
05 12 23 00-0086	TON	14" x 14"		Weight Range 57-90 LB/LF Structural Tubing - Square ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	12,577.64 544.79 1,906.77 -578.84 -1,191.73 -1,702.47	5,407.36
05 12 23 00-0087	TON	16" x 16"		Weight Range 65-105 LB/LF Structural Tubing - Square ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	14,474.40 556.26 1,946.91 -591.03 -1,216.82 -1,738.31	7,051.09

**05 12 23 00-0088 Structural Shapes** (05 12 23 00-0045)

05 12 23 00-0089	TON			Structural Shapes, Steel Angle A36 Structural Steel, Purlins And Girts (Up To 20 LB/LF)..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;20 To 50 LB/LF, Deduct</i> <i>For &gt;50 To 75 LB/LF, Deduct</i> <i>For &gt;75 To 100 LB/LF, Deduct</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	8,159.77 330.01 1,155.02 -1,017.71 -1,627.43 -2,237.16 -350.63 -721.89 -1,031.27	2,541.86
05 12 23 00-0090	TON			Structural Shapes, Steel Plate A36 Structural Steel ..... Note: Up to 21.5 LB per SF <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;21.5 To 50 LB/LF, Deduct</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	7,086.81 458.78 1,605.73 -776.28 -487.45 -1,003.58 -1,433.69	1,016.74
05 12 23 00-0091	LB			Structural Shapes, Primed Pipe Supports (Up To 20 LB/LF).....	4.12	0.23
05 12 23 00-0092	LB			Structural Shapes, Galvanized Pipe Supports.....	5.02	0.23

## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing

 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

05 12 23 00-0093		Built-Up Trusses (05 12 23 00-0045)		
05 12 23 00-0094	TON	Up To 50 LF Span Average Weight 100 LB/LF Trusses, Built-up.....	7,669.80	352.55
		For >10 To 25 Tons, Deduct	-619.97	
		For >25 To 50 Tons, Deduct	-1,276.40	
		For >50 Tons, Deduct	-1,823.44	
05 12 23 00-0095	TON	>50-100 LF Span Average Weight 120 LB/LF Trusses, Built-up .....	7,574.34	195.78
		For >10 To 25 Tons, Deduct	-626.06	
		For >25 To 50 Tons, Deduct	-1,288.95	
		For >50 Tons, Deduct	-1,841.36	
05 12 23 00-0096	TON	>100-200 LF Span Average Weight 150 LB/LF Trusses, Built-up .....	6,741.28	103.65
		For >10 To 25 Tons, Deduct	-563.61	
		For >25 To 50 Tons, Deduct	-1,160.37	
		For >50 Tons, Deduct	-1,657.67	
05 12 23 00-0097	TON	>200 LF Span Average Weight 180 LB/LF Trusses, Built-up.....	6,555.93	98.01
		For >10 To 25 Tons, Deduct	-548.37	
		For >25 To 50 Tons, Deduct	-1,129.01	
		For >50 Tons, Deduct	-1,612.87	
05 12 23 00-0098		Masonry Plates, Filler Plates, Sole Plates And Anchor Straps (05 12 23 00-0045)		
Note: Includes shop fabrication, welds, drilling and shop primer.				
05 12 23 00-0099	SF	1/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	25.96	7.32
05 12 23 00-0100	SF	3/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	38.94	10.95
05 12 23 00-0101	SF	1/2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	51.92	14.60
05 12 23 00-0102	SF	5/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	64.89	18.24
05 12 23 00-0103	SF	3/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	77.87	21.79
05 12 23 00-0104	SF	7/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	90.85	25.54
05 12 23 00-0105	SF	1" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps.....	103.83	29.19
05 12 23 00-0106	SF	1-1/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	116.81	32.84
05 12 23 00-0107	SF	1-1/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	129.79	36.49
05 12 23 00-0108	SF	1-3/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	142.78	40.14
05 12 23 00-0109	SF	1-1/2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	155.76	43.79
05 12 23 00-0110	SF	1-5/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	168.73	47.44
05 12 23 00-0111	SF	1-3/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	181.72	51.08
05 12 23 00-0112	SF	1-7/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	194.70	54.73
05 12 23 00-0113	SF	2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	207.68	58.38
05 12 23 00-0114		Accessories For Steel (05 12 23)		
05 12 23 00-0115		Field Painting For Touch-Up Of Shop Prime Coat (05 12 23 00-0114)		
05 12 23 00-0116	SF	Touch Up Paint - Type 1 Red Oxide Field Painting Prime Coat.....	1.17	
05 12 23 00-0117		Connection And Stiffener Plates (05 12 23 00-0114)		
Note: For field fabrication of additional structural metal connections.				
05 12 23 00-0118	TON	1/8" Plate Weight 6.16 LB/SF Connection And Stiffener Plates.....	16,555.68	
		For >10 To 25 Tons, Deduct	-1,407.23	
		For >25 To 50 Tons, Deduct	-2,897.24	
		For >50 Tons, Deduct	-4,138.92	
05 12 23 00-0119	TON	3/16" Plate Weight 8.71 LB/SF Connection And Stiffener Plates.....	14,125.24	
		For >10 To 25 Tons, Deduct	-1,200.65	
		For >25 To 50 Tons, Deduct	-2,471.92	
		For >50 Tons, Deduct	-3,531.31	
05 12 23 00-0120	TON	1/4" Plate Weight 11.26 LB/SF Connection And Stiffener Plates.....	10,923.34	
		For >10 To 25 Tons, Deduct	-928.48	
		For >25 To 50 Tons, Deduct	-1,911.58	
		For >50 Tons, Deduct	-2,730.84	
05 12 23 00-0121	TON	5/16" Plate Weight 13.81 LB/SF Connection And Stiffener Plates.....	10,923.34	
		For >10 To 25 Tons, Deduct	-928.48	
		For >25 To 50 Tons, Deduct	-1,911.58	
		For >50 Tons, Deduct	-2,730.84	
05 12 23 00-0122	TON	3/8" Plate Weight 16.37 LB/SF Connection And Stiffener Plates.....	10,923.34	
		For >10 To 25 Tons, Deduct	-928.48	
		For >25 To 50 Tons, Deduct	-1,911.58	
		For >50 Tons, Deduct	-2,730.84	
05 12 23 00-0123	TON	1/2" Plate Weight 21.47 LB/SF Connection And Stiffener Plates.....	10,923.34	
		For >10 To 25 Tons, Deduct	-928.48	
		For >25 To 50 Tons, Deduct	-1,911.58	
		For >50 Tons, Deduct	-2,730.84	
05 12 23 00-0124	TON	9/16" Plate Weight 24.02 LB/SF Connection And Stiffener Plates.....	10,923.34	
		For >10 To 25 Tons, Deduct	-928.48	
		For >25 To 50 Tons, Deduct	-1,911.58	
		For >50 Tons, Deduct	-2,730.84	
05 12 23 00-0125	TON	5/8" Plate Weight 26.58 LB/SF Connection And Stiffener Plates.....	10,923.34	
		For >10 To 25 Tons, Deduct	-928.48	
		For >25 To 50 Tons, Deduct	-1,911.58	
		For >50 Tons, Deduct	-2,730.84	
05 12 23 00-0126	TON	3/4" Plate Weight 31.68 LB/SF Connection And Stiffener Plates.....	10,240.63	
		For >10 To 25 Tons, Deduct	-870.45	
		For >25 To 50 Tons, Deduct	-1,792.11	
		For >50 Tons, Deduct	-2,560.16	
05 12 23 00-0127	TON	7/8" Plate Weight 36.78 LB/SF Connection And Stiffener Plates.....	10,240.63	
		For >10 To 25 Tons, Deduct	-870.45	
		For >25 To 50 Tons, Deduct	-1,792.11	
		For >50 Tons, Deduct	-2,560.16	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0128 TON 1" Plate Weight 41.89 LB/SF Connection And Stiffener Plates..... <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	10,240.63 -870.45 -1,792.11 -2,560.16	
<b>05 12 23 00-0129 Field Applied Cold Galvanizing (05 12 23 00-0114)</b>		
05 12 23 00-0130 SF Brush Applied Cold Galvanizing .....	1.80	
<b>05 12 23 00-0131 Metal Grinding (05 12 23 00-0114)</b> Note: For use to prepare existing metal for welding by removing of rust or scale and smoothing surface after torch cutting.		
05 12 23 00-0132 SI Metal Grinding Up To 1/32" Thickness To Be Removed..... Note: Includes rust or scale removal on metal and smoothing surface.	0.99	
<b>05 12 23 00-0133 Structural Steel For Buildings And Structures (05 12 23)</b> Note: Prices by Ton (or LB) are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock cross-sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection (or demolition). Excludes moment connection welding.		
<b>05 12 23 00-0134 First Tier A992/A36 Structural Steel Columns, W Shapes (05 12 23 00-0133)</b> Note: With base plate. Includes material delivery and erection.		
05 12 23 00-0135 LF W14 x 730 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	1,552.13 409.86 139.69 310.43	70.50
05 12 23 00-0136 LF W14 x 665 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	1,415.52 373.37 127.40 283.10	65.71
05 12 23 00-0137 LF W14 x 605 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	1,289.30 339.68 116.04 257.86	61.16
05 12 23 00-0138 LF W14 x 550 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	1,173.46 308.80 105.61 234.69	56.90
05 12 23 00-0139 LF W14 x 500 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	1,076.84 280.73 96.92 215.37	61.11
05 12 23 00-0140 LF W14 x 426 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	918.77 239.18 82.69 183.75	53.35
05 12 23 00-0141 LF W14 x 342 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	742.89 192.50 66.86 148.58	46.19
05 12 23 00-0142 LF W14 x 311 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	669.07 172.90 60.22 133.81	43.13
05 12 23 00-0143 LF W14 x 283 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	607.27 156.50 54.65 121.45	40.67
05 12 23 00-0144 LF W14 x 257 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	533.72 136.71 48.03 106.74	38.55
05 12 23 00-0145 LF W14 x 233 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	491.16 125.70 44.20 98.23	35.84
05 12 23 00-0146 LF W14 x 211 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	436.85 111.35 39.32 87.37	33.38
05 12 23 00-0147 LF W14 x 193 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	395.09 100.24 35.56 79.02	31.73
05 12 23 00-0148 LF W14 x 176 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	356.06 89.84 32.05 71.21	30.32
05 12 23 00-0149 LF W14 x 159 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	321.92 80.69 28.97 64.38	29.26
05 12 23 00-0150 LF W14 x 145 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	311.09 77.95 28.00 62.22	28.32

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0151	LF		W14 x 132 A992/A36 Structural Column ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	266.00 65.82 23.94 53.20	27.03
05 12 23 00-0152	LF		W14 x 120 A992/A36 Structural Column ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	249.39 61.41 22.45 49.88	26.32
05 12 23 00-0153	LF		W14 x 109 A992/A36 Structural Column ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	223.27 54.49 20.09 44.65	25.26
05 12 23 00-0154	LF		W14 x 99 A992/A36 Structural Column ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	203.70 49.29 18.33 40.74	24.56
05 12 23 00-0155	LF		W14 x 90 A992/A36 Structural Column ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	189.22 45.43 17.03 37.84	23.97
05 12 23 00-0156	LF		W14 x 82 A992/A36 Structural Column ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	174.28 41.48 15.69 34.86	23.27
05 12 23 00-0157	LF		W14 x 74 A992/A36 Structural Column ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	157.34 36.98 14.16 31.47	22.68
05 12 23 00-0158	LF		W14 x 68 A992/A36 Structural Column ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	146.94 34.19 13.22 29.39	22.33
05 12 23 00-0159	LF		W14 x 61 A992/A36 Structural Column ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	133.97 30.75 12.06 26.79	21.74
05 12 23 00-0160	LF		W14 x 53 A992/A36 Structural Column ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	122.00 27.59 10.98 24.40	21.16
05 12 23 00-0161	LF		W14 x 48 A992/A36 Structural Column ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	114.29 25.55 10.29 22.86	20.80
05 12 23 00-0162	LF		W14 x 43 A992/A36 Structural Column ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	103.09 22.57 9.28 20.62	20.45
05 12 23 00-0163	LF		W12 x 336 A992/A36 Structural Column ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	707.82 187.13 63.70 141.56	31.40
05 12 23 00-0164	LF		W12 x 305 A992/A36 Structural Column ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	644.94 169.87 58.04 128.99	30.77
05 12 23 00-0165	LF		W12 x 279 A992/A36 Structural Column ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	592.36 155.39 53.31 118.47	30.40
05 12 23 00-0166	LF		W12 x 252 A992/A36 Structural Column ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	537.36 140.35 48.36 107.47	29.64
05 12 23 00-0167	LF		W12 x 230 A992/A36 Structural Column ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	492.76 128.10 44.35 98.55	29.21
05 12 23 00-0168	LF		W12 x 210 A992/A36 Structural Column ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	452.17 116.96 40.70 90.43	28.81
05 12 23 00-0169	LF		W12 x 190 A992/A36 Structural Column ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	416.00 105.82 37.44 83.20	32.43
05 12 23 00-0170	LF		W12 x 170 A992/A36 Structural Column ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	375.87 95.01 33.83 75.17	31.49
05 12 23 00-0171	LF		W12 x 152 A992/A36 Structural Column ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	338.82 85.38 30.49 67.76	29.26
05 12 23 00-0172	LF		W12 x 136 A992/A36 Structural Column ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	322.09 80.97 28.99 64.42	28.44

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0173	LF			W12 x 120 A992/A36 Structural Column ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	243.74 59.88 21.94 48.75	26.09
05 12 23 00-0174	LF			W12 x 106 A992/A36 Structural Column ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	224.60 54.86 20.21 44.92	25.26
05 12 23 00-0175	LF			W12 x 96 A992/A36 Structural Column ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	200.90 48.54 18.08 40.18	24.45
05 12 23 00-0176	LF			W12 x 87 A992/A36 Structural Column ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	185.29 44.41 16.68 37.06	23.62
05 12 23 00-0177	LF			W12 x 79 A992/A36 Structural Column ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	162.55 38.32 14.63 32.51	22.91
05 12 23 00-0178	LF			W12 x 72 A992/A36 Structural Column ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	148.74 34.65 13.39 29.75	22.33
05 12 23 00-0179	LF			W12 x 65 A992/A36 Structural Column ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	135.93 31.26 12.23 27.19	21.86
05 12 23 00-0180	LF			W12 x 58 A992/A36 Structural Column ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	131.50 30.10 11.84 26.30	21.62
05 12 23 00-0181	LF			W12 x 53 A992/A36 Structural Column ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	122.00 27.59 10.98 24.40	21.16
05 12 23 00-0182	LF			W12 x 50 A992/A36 Structural Column ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	118.20 26.57 10.64 23.64	21.03
05 12 23 00-0183	LF			W12 x 45 A992/A36 Structural Column ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	107.34 23.69 9.66 21.47	20.57
05 12 23 00-0184	LF			W12 x 40 A992/A36 Structural Column ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	96.17 20.72 8.66 19.23	20.10
05 12 23 00-0185	LF			W10 x 112 A992/A36 Structural Column ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	234.95 57.60 21.15 46.99	25.74
05 12 23 00-0186	LF			W10 x 110 A992/A36 Structural Column ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	212.46 51.65 19.12 42.49	24.68
05 12 23 00-0187	LF			W10 x 88 A992/A36 Structural Column ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	190.94 45.94 17.18 38.19	23.86
05 12 23 00-0188	LF			W10 x 77 A992/A36 Structural Column ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	169.75 40.32 15.28 33.95	22.91
05 12 23 00-0189	LF			W10 x 68 A992/A36 Structural Column ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	152.80 35.81 13.75 30.56	22.33
05 12 23 00-0190	LF			W10 x 60 A992/A36 Structural Column ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	133.97 30.75 12.06 26.79	21.74
05 12 23 00-0191	LF			W10 x 54 A992/A36 Structural Column ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	133.06 30.57 11.98 26.61	21.39
05 12 23 00-0192	LF			W10 x 49 A992/A36 Structural Column ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	116.74 26.20 10.51 23.35	21.03
05 12 23 00-0193	LF			W10 x 45 A992/A36 Structural Column ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	112.65 25.13 10.14 22.53	20.68
05 12 23 00-0194	LF			W10 x 39 A992/A36 Structural Column ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	97.95 21.18 8.82 19.59	20.33

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

05 12 23 00-0195	LF	W10 x 33 A992/A36 Structural Column	85.31	19.74
		<i>For Hot Dip Galvanizing, Add</i>	17.84	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	7.68	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	17.06	
05 12 23 00-0196	LF	W8 x 67 A992/A36 Structural Column	147.11	22.33
		<i>For Hot Dip Galvanizing, Add</i>	34.24	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	13.24	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	29.42	
05 12 23 00-0197	LF	W8 x 58 A992/A36 Structural Column	132.00	21.62
		<i>For Hot Dip Galvanizing, Add</i>	30.24	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.88	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	26.40	
05 12 23 00-0198	LF	W8 x 48 A992/A36 Structural Column	118.08	21.03
		<i>For Hot Dip Galvanizing, Add</i>	26.57	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	10.63	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	23.62	
05 12 23 00-0199	LF	W8 x 40 A992/A36 Structural Column	101.25	20.45
		<i>For Hot Dip Galvanizing, Add</i>	22.06	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	9.11	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	20.25	
05 12 23 00-0200	LF	W8 x 35 A992/A36 Structural Column	91.41	19.97
		<i>For Hot Dip Galvanizing, Add</i>	19.46	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	8.23	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	18.28	
05 12 23 00-0201	LF	W8 x 31 A992/A36 Structural Column	83.47	19.74
		<i>For Hot Dip Galvanizing, Add</i>	17.33	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	7.51	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	16.69	
05 12 23 00-0202	LF	W8 x 28 A992/A36 Structural Column	78.55	19.51
		<i>For Hot Dip Galvanizing, Add</i>	16.03	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	7.07	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	15.71	
05 12 23 00-0203	LF	W8 x 24 A992/A36 Structural Column	72.63	19.27
		<i>For Hot Dip Galvanizing, Add</i>	14.45	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	6.54	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	14.53	
05 12 23 00-0204	LF	W8 x 21 A992/A36 Structural Column	68.71	19.16
		<i>For Hot Dip Galvanizing, Add</i>	13.43	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	6.18	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	13.74	
05 12 23 00-0205	LF	W8 x 18 A992/A36 Structural Column	61.28	18.80
		<i>For Hot Dip Galvanizing, Add</i>	11.43	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	5.52	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	12.26	
05 12 23 00-0206	LF	W6 x 25 A992/A36 Structural Column	76.31	19.27
		<i>For Hot Dip Galvanizing, Add</i>	15.47	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	6.87	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	15.26	
05 12 23 00-0207	LF	W6 x 20 A992/A36 Structural Column	64.41	18.93
		<i>For Hot Dip Galvanizing, Add</i>	12.26	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	5.80	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	12.88	
05 12 23 00-0208	LF	W6 x 15 A992/A36 Structural Column	55.11	18.33
		<i>For Hot Dip Galvanizing, Add</i>	9.85	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	4.96	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	11.02	
05 12 23 00-0209	LF	W6 x 12 A992/A36 Structural Column	51.59	18.33
		<i>For Hot Dip Galvanizing, Add</i>	8.87	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	4.64	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	10.32	
05 12 23 00-0210	LF	W6 x 9 A992/A36 Structural Column	47.13	18.22
		<i>For Hot Dip Galvanizing, Add</i>	7.66	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	4.24	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	9.43	
05 12 23 00-0211	LF	W5 x 19 A992/A36 Structural Column	63.41	18.93
		<i>For Hot Dip Galvanizing, Add</i>	11.99	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	5.71	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	12.68	
05 12 23 00-0212	LF	W5 x 16 A992/A36 Structural Column	58.30	18.80
		<i>For Hot Dip Galvanizing, Add</i>	10.64	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	5.25	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	11.66	
05 12 23 00-0213	LF	W4 x 13 A992/A36 Structural Column	54.56	18.57
		<i>For Hot Dip Galvanizing, Add</i>	9.66	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	4.91	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	10.91	
05 12 23 00-0214	<b>A992/A36 Structural Steel Beams And Girders, W Shapes</b> <small>(05 12 23 00-0133)</small>			
	Note: Includes material delivery and erection.			
05 12 23 00-0215	LF	W36 x 300 A992/A36 Structural Beam Or Girder	557.64	77.21
		<i>For Hot Dip Galvanizing, Add</i>	131.89	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	50.19	
		<i>For High Strength Low Alloy A588 Steel, Add</i>	111.53	
		<i>For Each Additional Top Copes &gt;2, Add</i>	4.75	
		<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-182.82	
		<i>For Skewed Or Sloped Connections, Add</i>	66.92	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0216	LF			W36 x 280 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	537.62 123.10 48.39 107.52 4.44 -174.07 64.51	88.14
05 12 23 00-0217	LF			W36 x 260 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	508.87 115.45 45.80 101.77 4.16 -164.18 61.06	87.09
05 12 23 00-0218	LF			W36 x 240 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	474.47 109.64 42.70 94.89 3.95 -154.16 56.94	74.42
05 12 23 00-0219	LF			W36 x 230 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	459.13 105.07 41.32 91.83 3.79 -148.62 55.10	75.48
05 12 23 00-0220	LF			W36 x 210 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	435.61 95.93 39.20 87.12 3.46 -138.98 52.27	84.26
05 12 23 00-0221	LF			W36 x 194 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	410.89 92.66 36.98 82.18 3.34 -132.26 49.31	72.18
05 12 23 00-0222	LF			W36 x 182 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	389.66 86.92 35.07 77.93 3.13 -124.92 46.76	71.65
05 12 23 00-0223	LF			W36 x 170 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	368.14 81.19 33.13 73.63 2.93 -117.52 44.18	70.83
05 12 23 00-0224	LF			W36 x 160 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	362.34 76.42 32.61 72.47 2.75 -113.78 43.48	81.55
05 12 23 00-0225	LF			W36 x 150 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	347.32 72.41 31.26 69.46 2.61 -108.61 41.68	80.97
05 12 23 00-0226	LF			W36 x 135 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	326.32 66.81 29.37 65.26 2.41 -101.38 39.16	80.26
05 12 23 00-0227	LF			W33 x 241 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	480.40 110.59 43.24 96.08 3.99 -155.86 57.65	76.76
05 12 23 00-0228	LF			W33 x 221 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	445.31 101.41 40.08 89.06 3.65 -143.88 53.44	74.87

## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing

 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0229	LF		W33 x 201 A992/A36 Structural Beam Or Girder.....	421.70	83.67
			For Hot Dip Galvanizing, Add	92.24	
			For High Strength Low Alloy A572-50 Steel, Add	37.95	
			For High Strength Low Alloy A588 Steel, Add	84.34	
			For Each Additional Top Copes >2, Add	3.32	
			For Structural Tees, WT, MT Or ST, Deduct	-134.20	
			For Skewed Or Sloped Connections, Add	50.60	
05 12 23 00-0230	LF		W33 x 170 A992/A36 Structural Beam Or Girder.....	378.48	82.15
			For Hot Dip Galvanizing, Add	80.73	
			For High Strength Low Alloy A572-50 Steel, Add	34.06	
			For High Strength Low Alloy A588 Steel, Add	75.70	
			For Each Additional Top Copes >2, Add	2.91	
			For Structural Tees, WT, MT Or ST, Deduct	-119.34	
			For Skewed Or Sloped Connections, Add	45.42	
05 12 23 00-0231	LF		W33 x 152 A992/A36 Structural Beam Or Girder.....	344.24	70.60
			For Hot Dip Galvanizing, Add	74.63	
			For High Strength Low Alloy A572-50 Steel, Add	30.98	
			For High Strength Low Alloy A588 Steel, Add	68.85	
			For Each Additional Top Copes >2, Add	2.69	
			For Structural Tees, WT, MT Or ST, Deduct	-109.19	
			For Skewed Or Sloped Connections, Add	41.31	
05 12 23 00-0232	LF		W33 x 141 A992/A36 Structural Beam Or Girder.....	335.37	80.50
			For Hot Dip Galvanizing, Add	69.23	
			For High Strength Low Alloy A572-50 Steel, Add	30.18	
			For High Strength Low Alloy A588 Steel, Add	67.07	
			For Each Additional Top Copes >2, Add	2.49	
			For Structural Tees, WT, MT Or ST, Deduct	-104.49	
			For Skewed Or Sloped Connections, Add	40.24	
05 12 23 00-0233	LF		W33 x 130 A992/A36 Structural Beam Or Girder.....	318.39	79.91
			For Hot Dip Galvanizing, Add	64.71	
			For High Strength Low Alloy A572-50 Steel, Add	28.66	
			For High Strength Low Alloy A588 Steel, Add	63.68	
			For Each Additional Top Copes >2, Add	2.33	
			For Structural Tees, WT, MT Or ST, Deduct	-98.66	
			For Skewed Or Sloped Connections, Add	38.21	
05 12 23 00-0234	LF		W33 x 118 A992/A36 Structural Beam Or Girder.....	298.61	79.20
			For Hot Dip Galvanizing, Add	59.42	
			For High Strength Low Alloy A572-50 Steel, Add	26.87	
			For High Strength Low Alloy A588 Steel, Add	59.72	
			For Each Additional Top Copes >2, Add	2.14	
			For Structural Tees, WT, MT Or ST, Deduct	-91.84	
			For Skewed Or Sloped Connections, Add	35.83	
05 12 23 00-0235	LF		W30 x 211 A992/A36 Structural Beam Or Girder.....	426.86	74.73
			For Hot Dip Galvanizing, Add	96.33	
			For High Strength Low Alloy A572-50 Steel, Add	38.42	
			For High Strength Low Alloy A588 Steel, Add	85.37	
			For Each Additional Top Copes >2, Add	3.47	
			For Structural Tees, WT, MT Or ST, Deduct	-137.44	
			For Skewed Or Sloped Connections, Add	51.22	
05 12 23 00-0236	LF		W30 x 191 A992/A36 Structural Beam Or Girder.....	402.97	83.09
			For Hot Dip Galvanizing, Add	87.20	
			For High Strength Low Alloy A572-50 Steel, Add	36.27	
			For High Strength Low Alloy A588 Steel, Add	80.59	
			For Each Additional Top Copes >2, Add	3.14	
			For Structural Tees, WT, MT Or ST, Deduct	-127.73	
			For Skewed Or Sloped Connections, Add	48.36	
05 12 23 00-0237	LF		W30 x 173 A992/A36 Structural Beam Or Girder.....	369.42	71.32
			For Hot Dip Galvanizing, Add	81.40	
			For High Strength Low Alloy A572-50 Steel, Add	33.25	
			For High Strength Low Alloy A588 Steel, Add	73.88	
			For Each Additional Top Copes >2, Add	2.93	
			For Structural Tees, WT, MT Or ST, Deduct	-117.89	
			For Skewed Or Sloped Connections, Add	44.33	
05 12 23 00-0238	LF		W30 x 154 A992/A36 Structural Beam Or Girder.....	347.62	81.09
			For Hot Dip Galvanizing, Add	72.46	
			For High Strength Low Alloy A572-50 Steel, Add	31.29	
			For High Strength Low Alloy A588 Steel, Add	69.52	
			For Each Additional Top Copes >2, Add	2.61	
			For Structural Tees, WT, MT Or ST, Deduct	-108.69	
			For Skewed Or Sloped Connections, Add	41.71	
05 12 23 00-0239	LF		W30 x 132 A992/A36 Structural Beam Or Girder.....	310.11	68.81
			For Hot Dip Galvanizing, Add	65.69	
			For High Strength Low Alloy A572-50 Steel, Add	27.91	
			For High Strength Low Alloy A588 Steel, Add	62.02	
			For Each Additional Top Copes >2, Add	2.37	
			For Structural Tees, WT, MT Or ST, Deduct	-97.53	
			For Skewed Or Sloped Connections, Add	37.21	
05 12 23 00-0240	LF		W30 x 124 A992/A36 Structural Beam Or Girder.....	295.72	68.77
			For Hot Dip Galvanizing, Add	61.70	
			For High Strength Low Alloy A572-50 Steel, Add	26.61	
			For High Strength Low Alloy A588 Steel, Add	59.14	
			For Each Additional Top Copes >2, Add	2.22	
			For Structural Tees, WT, MT Or ST, Deduct	-92.50	
			For Skewed Or Sloped Connections, Add	35.49	
05 12 23 00-0241	LF		W30 x 116 A992/A36 Structural Beam Or Girder.....	292.40	79.09
			For Hot Dip Galvanizing, Add	57.73	
			For High Strength Low Alloy A572-50 Steel, Add	26.32	
			For High Strength Low Alloy A588 Steel, Add	58.48	
			For Each Additional Top Copes >2, Add	2.08	
			For Structural Tees, WT, MT Or ST, Deduct	-89.68	
			For Skewed Or Sloped Connections, Add	35.09	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0242	LF			W30 x 108 A992/A36 Structural Beam Or Girder .....270.60		71.22
				For Hot Dip Galvanizing, Add	54.03	
				For High Strength Low Alloy A572-50 Steel, Add	24.35	
				For High Strength Low Alloy A588 Steel, Add	54.12	
				For Each Additional Top Copes >2, Add	1.95	
				For Structural Tees, WT, MT Or ST, Deduct	-83.32	
				For Skewed Or Sloped Connections, Add	32.47	
05 12 23 00-0243	LF			W30 x 99 A992/A36 Structural Beam Or Girder .....258.48		70.87
				For Hot Dip Galvanizing, Add	50.79	
				For High Strength Low Alloy A572-50 Steel, Add	23.26	
				For High Strength Low Alloy A588 Steel, Add	51.70	
				For Each Additional Top Copes >2, Add	1.83	
				For Structural Tees, WT, MT Or ST, Deduct	-79.15	
				For Skewed Or Sloped Connections, Add	31.02	
05 12 23 00-0244	LF			W27 x 178 A992/A36 Structural Beam Or Girder .....410.42		83.50
				For Hot Dip Galvanizing, Add	89.17	
				For High Strength Low Alloy A572-50 Steel, Add	36.94	
				For High Strength Low Alloy A588 Steel, Add	82.08	
				For Each Additional Top Copes >2, Add	3.21	
				For Structural Tees, WT, MT Or ST, Deduct	-130.29	
				For Skewed Or Sloped Connections, Add	49.25	
05 12 23 00-0245	LF			W27 x 161 A992/A36 Structural Beam Or Girder .....376.37		80.36
				For Hot Dip Galvanizing, Add	80.66	
				For High Strength Low Alloy A572-50 Steel, Add	33.87	
				For High Strength Low Alloy A588 Steel, Add	75.27	
				For Each Additional Top Copes >2, Add	2.91	
				For Structural Tees, WT, MT Or ST, Deduct	-118.87	
				For Skewed Or Sloped Connections, Add	45.16	
05 12 23 00-0246	LF			W27 x 146 A992/A36 Structural Beam Or Girder .....346.26		77.51
				For Hot Dip Galvanizing, Add	73.14	
				For High Strength Low Alloy A572-50 Steel, Add	31.16	
				For High Strength Low Alloy A588 Steel, Add	69.25	
				For Each Additional Top Copes >2, Add	2.64	
				For Structural Tees, WT, MT Or ST, Deduct	-108.79	
				For Skewed Or Sloped Connections, Add	41.55	
05 12 23 00-0247	LF			W27 x 114 A992/A36 Structural Beam Or Girder .....274.49		64.39
				For Hot Dip Galvanizing, Add	57.11	
				For High Strength Low Alloy A572-50 Steel, Add	24.70	
				For High Strength Low Alloy A588 Steel, Add	54.90	
				For Each Additional Top Copes >2, Add	2.06	
				For Structural Tees, WT, MT Or ST, Deduct	-85.77	
				For Skewed Or Sloped Connections, Add	32.94	
05 12 23 00-0248	LF			W27 x 102 A992/A36 Structural Beam Or Girder .....259.70		70.87
				For Hot Dip Galvanizing, Add	51.10	
				For High Strength Low Alloy A572-50 Steel, Add	23.37	
				For High Strength Low Alloy A588 Steel, Add	51.94	
				For Each Additional Top Copes >2, Add	1.84	
				For Structural Tees, WT, MT Or ST, Deduct	-79.56	
				For Skewed Or Sloped Connections, Add	31.16	
05 12 23 00-0249	LF			W27 x 94 A992/A36 Structural Beam Or Girder .....248.31		70.39
				For Hot Dip Galvanizing, Add	48.07	
				For High Strength Low Alloy A572-50 Steel, Add	22.35	
				For High Strength Low Alloy A588 Steel, Add	49.66	
				For Each Additional Top Copes >2, Add	1.73	
				For Structural Tees, WT, MT Or ST, Deduct	-75.65	
				For Skewed Or Sloped Connections, Add	29.80	
05 12 23 00-0250	LF			W27 x 84 A992/A36 Structural Beam Or Girder .....234.41		69.93
				For Hot Dip Galvanizing, Add	44.37	
				For High Strength Low Alloy A572-50 Steel, Add	21.10	
				For High Strength Low Alloy A588 Steel, Add	46.88	
				For Each Additional Top Copes >2, Add	1.60	
				For Structural Tees, WT, MT Or ST, Deduct	-70.87	
				For Skewed Or Sloped Connections, Add	28.13	
05 12 23 00-0251	LF			W24 x 162 A992/A36 Structural Beam Or Girder .....362.52		77.04
				For Hot Dip Galvanizing, Add	77.80	
				For High Strength Low Alloy A572-50 Steel, Add	32.63	
				For High Strength Low Alloy A588 Steel, Add	72.50	
				For Each Additional Top Copes >2, Add	2.80	
				For Structural Tees, WT, MT Or ST, Deduct	-114.56	
				For Skewed Or Sloped Connections, Add	43.50	
05 12 23 00-0252	LF			W24 x 146 A992/A36 Structural Beam Or Girder .....331.44		73.85
				For Hot Dip Galvanizing, Add	70.11	
				For High Strength Low Alloy A572-50 Steel, Add	29.83	
				For High Strength Low Alloy A588 Steel, Add	66.29	
				For Each Additional Top Copes >2, Add	2.53	
				For Structural Tees, WT, MT Or ST, Deduct	-104.19	
				For Skewed Or Sloped Connections, Add	39.77	
05 12 23 00-0253	LF			W24 x 131 A992/A36 Structural Beam Or Girder .....301.90		70.50
				For Hot Dip Galvanizing, Add	62.91	
				For High Strength Low Alloy A572-50 Steel, Add	27.17	
				For High Strength Low Alloy A588 Steel, Add	60.38	
				For Each Additional Top Copes >2, Add	2.27	
				For Structural Tees, WT, MT Or ST, Deduct	-94.39	
				For Skewed Or Sloped Connections, Add	36.23	
05 12 23 00-0254	LF			W24 x 117 A992/A36 Structural Beam Or Girder .....273.92		66.98
				For Hot Dip Galvanizing, Add	56.19	
				For High Strength Low Alloy A572-50 Steel, Add	24.65	
				For High Strength Low Alloy A588 Steel, Add	54.78	
				For Each Additional Top Copes >2, Add	2.02	
				For Structural Tees, WT, MT Or ST, Deduct	-85.16	
				For Skewed Or Sloped Connections, Add	32.87	

## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing

 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

05 12 23 00-0255	LF	W24 x 104 A992/A36 Structural Beam Or Girder.....	247.54	63.34
		For Hot Dip Galvanizing, Add	49.94	
		For High Strength Low Alloy A572-50 Steel, Add	22.28	
		For High Strength Low Alloy A588 Steel, Add	49.51	
		For Each Additional Top Copes >2, Add	1.80	
		For Structural Tees, WT, MT Or ST, Deduct	-76.51	
		For Skewed Or Sloped Connections, Add	29.70	
05 12 23 00-0256	LF	W24 x 94 A992/A36 Structural Beam Or Girder .....	237.76	70.39
		For Hot Dip Galvanizing, Add	45.14	
		For High Strength Low Alloy A572-50 Steel, Add	21.40	
		For High Strength Low Alloy A588 Steel, Add	47.55	
		For Each Additional Top Copes >2, Add	1.63	
		For Structural Tees, WT, MT Or ST, Deduct	-71.95	
		For Skewed Or Sloped Connections, Add	28.53	
05 12 23 00-0257	LF	W24 x 84 A992/A36 Structural Beam Or Girder .....	216.91	62.40
		For Hot Dip Galvanizing, Add	41.70	
		For High Strength Low Alloy A572-50 Steel, Add	19.52	
		For High Strength Low Alloy A588 Steel, Add	43.38	
		For Each Additional Top Copes >2, Add	1.50	
		For Structural Tees, WT, MT Or ST, Deduct	-65.92	
		For Skewed Or Sloped Connections, Add	26.03	
05 12 23 00-0258	LF	W24 x 76 A992/A36 Structural Beam Or Girder .....	206.26	61.93
		For Hot Dip Galvanizing, Add	38.88	
		For High Strength Low Alloy A572-50 Steel, Add	18.56	
		For High Strength Low Alloy A588 Steel, Add	41.25	
		For Each Additional Top Copes >2, Add	1.40	
		For Structural Tees, WT, MT Or ST, Deduct	-62.27	
		For Skewed Or Sloped Connections, Add	24.75	
05 12 23 00-0259	LF	W24 x 68 A992/A36 Structural Beam Or Girder .....	192.84	61.58
		For Hot Dip Galvanizing, Add	35.28	
		For High Strength Low Alloy A572-50 Steel, Add	17.36	
		For High Strength Low Alloy A588 Steel, Add	38.57	
		For Each Additional Top Copes >2, Add	1.27	
		For Structural Tees, WT, MT Or ST, Deduct	-57.64	
		For Skewed Or Sloped Connections, Add	23.14	
05 12 23 00-0260	LF	W24 x 62 A992/A36 Structural Beam Or Girder .....	185.82	61.23
		For Hot Dip Galvanizing, Add	33.43	
		For High Strength Low Alloy A572-50 Steel, Add	16.72	
		For High Strength Low Alloy A588 Steel, Add	37.16	
		For Each Additional Top Copes >2, Add	1.20	
		For Structural Tees, WT, MT Or ST, Deduct	-55.24	
		For Skewed Or Sloped Connections, Add	22.30	
05 12 23 00-0261	LF	W24 x 55 A992/A36 Structural Beam Or Girder .....	176.21	60.99
		For Hot Dip Galvanizing, Add	30.87	
		For High Strength Low Alloy A572-50 Steel, Add	15.86	
		For High Strength Low Alloy A588 Steel, Add	35.24	
		For Each Additional Top Copes >2, Add	1.11	
		For Structural Tees, WT, MT Or ST, Deduct	-51.93	
		For Skewed Or Sloped Connections, Add	21.15	
05 12 23 00-0262	LF	W21 x 147 A992/A36 Structural Beam Or Girder.....	317.40	63.35
		For Hot Dip Galvanizing, Add	69.33	
		For High Strength Low Alloy A572-50 Steel, Add	28.57	
		For High Strength Low Alloy A588 Steel, Add	63.48	
		For Each Additional Top Copes >2, Add	2.50	
		For Structural Tees, WT, MT Or ST, Deduct	-100.95	
		For Skewed Or Sloped Connections, Add	38.09	
05 12 23 00-0263	LF	W21 x 132 A992/A36 Structural Beam Or Girder.....	288.89	60.53
		For Hot Dip Galvanizing, Add	62.25	
		For High Strength Low Alloy A572-50 Steel, Add	26.00	
		For High Strength Low Alloy A588 Steel, Add	57.78	
		For Each Additional Top Copes >2, Add	2.24	
		For Structural Tees, WT, MT Or ST, Deduct	-91.43	
		For Skewed Or Sloped Connections, Add	34.67	
05 12 23 00-0264	LF	W21 x 122 A992/A36 Structural Beam Or Girder.....	270.80	59.51
		For Hot Dip Galvanizing, Add	57.53	
		For High Strength Low Alloy A572-50 Steel, Add	24.37	
		For High Strength Low Alloy A588 Steel, Add	54.16	
		For Each Additional Top Copes >2, Add	2.07	
		For Structural Tees, WT, MT Or ST, Deduct	-85.26	
		For Skewed Or Sloped Connections, Add	32.50	
05 12 23 00-0265	LF	W21 x 111 A992/A36 Structural Beam Or Girder.....	250.09	57.60
		For Hot Dip Galvanizing, Add	52.35	
		For High Strength Low Alloy A572-50 Steel, Add	22.51	
		For High Strength Low Alloy A588 Steel, Add	50.02	
		For Each Additional Top Copes >2, Add	1.89	
		For Structural Tees, WT, MT Or ST, Deduct	-78.31	
		For Skewed Or Sloped Connections, Add	30.01	
05 12 23 00-0266	LF	W21 x 101 A992/A36 Structural Beam Or Girder.....	231.11	55.76
		For Hot Dip Galvanizing, Add	47.63	
		For High Strength Low Alloy A572-50 Steel, Add	20.80	
		For High Strength Low Alloy A588 Steel, Add	46.22	
		For Each Additional Top Copes >2, Add	1.72	
		For Structural Tees, WT, MT Or ST, Deduct	-71.97	
		For Skewed Or Sloped Connections, Add	27.73	
05 12 23 00-0267	LF	W21 x 93 A992/A36 Structural Beam Or Girder .....	225.38	63.10
		For Hot Dip Galvanizing, Add	43.86	
		For High Strength Low Alloy A572-50 Steel, Add	20.28	
		For High Strength Low Alloy A588 Steel, Add	45.08	
		For Each Additional Top Copes >2, Add	1.58	
		For Structural Tees, WT, MT Or ST, Deduct	-68.78	
		For Skewed Or Sloped Connections, Add	27.05	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0268	LF			W21 x 83 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	212.84 40.57 19.16 42.57 1.46 -64.50 25.54	62.40
05 12 23 00-0269	LF			W21 x 73 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	197.44 36.46 17.77 39.49 1.31 -59.20 23.69	61.93
05 12 23 00-0270	LF			W21 x 68 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	189.70 34.41 17.07 37.94 1.24 -56.54 22.76	61.58
05 12 23 00-0271	LF			W21 x 62 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	182.67 32.56 16.44 36.53 1.17 -54.13 21.92	61.23
05 12 23 00-0272	LF			W21 x 57 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	176.33 30.87 15.87 35.27 1.11 -51.95 21.16	61.11
05 12 23 00-0273	LF			W21 x 50 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	156.39 27.68 14.08 31.28 1.00 -46.24 18.77	53.00
05 12 23 00-0274	LF			W21 x 44 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	149.01 25.73 13.41 29.80 0.93 -43.71 17.88	52.77
05 12 23 00-0275	LF			W18 x 119 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	263.28 55.51 23.70 52.66 2.00 -82.66 31.59	59.31
05 12 23 00-0276	LF			W18 x 106 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	238.11 49.44 21.43 47.62 1.78 -74.35 28.57	56.20
05 12 23 00-0277	LF			W18 x 97 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	230.49 45.24 20.74 46.10 1.63 -70.55 27.66	63.10
05 12 23 00-0278	LF			W18 x 86 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	216.10 41.44 19.45 43.22 1.49 -65.62 25.93	62.52
05 12 23 00-0279	LF			W18 x 76 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	203.11 38.00 18.28 40.62 1.37 -61.16 24.37	61.93
05 12 23 00-0280	LF			W18 x 71 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	193.63 35.44 17.43 38.73 1.28 -57.88 23.24	61.81

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

05 12 23 00-0281	LF	W18 x 65 A992/A36 Structural Beam Or Girder	184.39	61.58
		<i>For Hot Dip Galvanizing, Add</i>	32.97	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	16.60	
		<i>For High Strength Low Alloy A588 Steel, Add</i>	36.88	
		<i>For Each Additional Top Copes &gt;2, Add</i>	1.19	
		<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-54.70	
		<i>For Skewed Or Sloped Connections, Add</i>	22.13	
05 12 23 00-0282	LF	W18 x 60 A992/A36 Structural Beam Or Girder	176.08	61.11
		<i>For Hot Dip Galvanizing, Add</i>	30.76	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	15.85	
		<i>For High Strength Low Alloy A588 Steel, Add</i>	35.22	
		<i>For Each Additional Top Copes &gt;2, Add</i>	1.11	
		<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-51.85	
		<i>For Skewed Or Sloped Connections, Add</i>	21.13	
05 12 23 00-0283	LF	W18 x 55 A992/A36 Structural Beam Or Girder	167.69	60.99
		<i>For Hot Dip Galvanizing, Add</i>	28.50	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	15.09	
		<i>For High Strength Low Alloy A588 Steel, Add</i>	33.54	
		<i>For Each Additional Top Copes &gt;2, Add</i>	1.03	
		<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-48.94	
		<i>For Skewed Or Sloped Connections, Add</i>	20.12	
05 12 23 00-0284	LF	W18 x 50 A992/A36 Structural Beam Or Girder	151.21	53.00
		<i>For Hot Dip Galvanizing, Add</i>	26.24	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	13.61	
		<i>For High Strength Low Alloy A588 Steel, Add</i>	30.24	
		<i>For Each Additional Top Copes &gt;2, Add</i>	0.95	
		<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-44.43	
		<i>For Skewed Or Sloped Connections, Add</i>	18.15	
05 12 23 00-0285	LF	W18 x 46 A992/A36 Structural Beam Or Girder	144.69	52.88
		<i>For Hot Dip Galvanizing, Add</i>	24.50	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	13.02	
		<i>For High Strength Low Alloy A588 Steel, Add</i>	28.94	
		<i>For Each Additional Top Copes &gt;2, Add</i>	0.88	
		<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-42.18	
		<i>For Skewed Or Sloped Connections, Add</i>	17.36	
05 12 23 00-0286	LF	W18 x 40 A992/A36 Structural Beam Or Girder	126.66	45.13
		<i>For Hot Dip Galvanizing, Add</i>	21.78	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.40	
		<i>For High Strength Low Alloy A588 Steel, Add</i>	25.33	
		<i>For Each Additional Top Copes &gt;2, Add</i>	0.78	
		<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-37.10	
		<i>For Skewed Or Sloped Connections, Add</i>	15.20	
05 12 23 00-0287	LF	W18 x 35 A992/A36 Structural Beam Or Girder	118.45	45.01
		<i>For Hot Dip Galvanizing, Add</i>	19.57	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	10.66	
		<i>For High Strength Low Alloy A588 Steel, Add</i>	23.69	
		<i>For Each Additional Top Copes &gt;2, Add</i>	0.71	
		<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-34.27	
		<i>For Skewed Or Sloped Connections, Add</i>	14.21	
05 12 23 00-0288	LF	W16 x 100 A992/A36 Structural Beam Or Girder	218.97	41.01
		<i>For Hot Dip Galvanizing, Add</i>	48.63	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	19.71	
		<i>For High Strength Low Alloy A588 Steel, Add</i>	43.79	
		<i>For Each Additional Top Copes &gt;2, Add</i>	1.75	
		<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-70.08	
		<i>For Skewed Or Sloped Connections, Add</i>	26.28	
05 12 23 00-0289	LF	W16 x 89 A992/A36 Structural Beam Or Girder	200.50	40.31
		<i>For Hot Dip Galvanizing, Add</i>	43.70	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	18.05	
		<i>For High Strength Low Alloy A588 Steel, Add</i>	40.10	
		<i>For Each Additional Top Copes &gt;2, Add</i>	1.57	
		<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-63.72	
		<i>For Skewed Or Sloped Connections, Add</i>	24.06	
05 12 23 00-0290	LF	W16 x 77 A992/A36 Structural Beam Or Girder	180.67	39.84
		<i>For Hot Dip Galvanizing, Add</i>	38.36	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	16.26	
		<i>For High Strength Low Alloy A588 Steel, Add</i>	36.13	
		<i>For Each Additional Top Copes &gt;2, Add</i>	1.38	
		<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-56.87	
		<i>For Skewed Or Sloped Connections, Add</i>	21.68	
05 12 23 00-0291	LF	W16 x 67 A992/A36 Structural Beam Or Girder	163.80	39.25
		<i>For Hot Dip Galvanizing, Add</i>	33.84	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	14.74	
		<i>For High Strength Low Alloy A588 Steel, Add</i>	32.76	
		<i>For Each Additional Top Copes &gt;2, Add</i>	1.22	
		<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-51.05	
		<i>For Skewed Or Sloped Connections, Add</i>	19.66	
05 12 23 00-0292	LF	W16 x 57 A992/A36 Structural Beam Or Girder	147.11	38.67
		<i>For Hot Dip Galvanizing, Add</i>	29.38	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	13.24	
		<i>For High Strength Low Alloy A588 Steel, Add</i>	29.42	
		<i>For Each Additional Top Copes &gt;2, Add</i>	1.06	
		<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-45.30	
		<i>For Skewed Or Sloped Connections, Add</i>	17.65	
05 12 23 00-0293	LF	W16 x 50 A992/A36 Structural Beam Or Girder	135.47	38.31
		<i>For Hot Dip Galvanizing, Add</i>	26.24	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	12.19	
		<i>For High Strength Low Alloy A588 Steel, Add</i>	27.09	
		<i>For Each Additional Top Copes &gt;2, Add</i>	0.95	
		<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-41.28	
		<i>For Skewed Or Sloped Connections, Add</i>	16.26	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0294	LF			W16 x 45 A992/A36 Structural Beam Or Girder ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	127.27 24.03 11.45 25.45 0.87 -38.45 15.27	38.07
05 12 23 00-0295	LF			W16 x 40 A992/A36 Structural Beam Or Girder ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	118.78 21.78 10.69 23.76 0.78 -35.53 14.25	37.72
05 12 23 00-0296	LF			W16 x 36 A992/A36 Structural Beam Or Girder ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	112.14 20.03 10.09 22.43 0.72 -33.26 13.46	37.49
05 12 23 00-0297	LF			W16 x 31 A992/A36 Structural Beam Or Girder ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	95.87 17.77 8.63 19.17 0.64 -28.78 11.50	29.85
05 12 23 00-0298	LF			W16 x 26 A992/A36 Structural Beam Or Girder ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	85.18 14.90 7.67 17.04 0.54 -25.09 10.22	29.49
05 12 23 00-0299	LF			W14 x 99 A992/A36 Structural Beam Or Girder ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	209.43 48.17 18.85 41.89 1.74 -67.92 25.13	33.61
05 12 23 00-0300	LF			W14 x 90 A992/A36 Structural Beam Or Girder ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	194.42 44.17 17.50 38.88 1.59 -62.76 23.33	33.03
05 12 23 00-0301	LF			W14 x 82 A992/A36 Structural Beam Or Girder ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	180.98 40.57 16.29 36.20 1.46 -58.13 21.72	32.67
05 12 23 00-0302	LF			W14 x 74 A992/A36 Structural Beam Or Girder ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	167.58 36.98 15.08 33.52 1.33 -53.50 20.11	32.20
05 12 23 00-0303	LF			W14 x 68 A992/A36 Structural Beam Or Girder ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	157.58 34.30 14.18 31.52 1.24 -50.06 18.91	31.84
05 12 23 00-0304	LF			W14 x 61 A992/A36 Structural Beam Or Girder ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	145.95 31.17 13.14 29.19 1.12 -46.04 17.51	31.49
05 12 23 00-0305	LF			W14 x 53 A992/A36 Structural Beam Or Girder ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	132.71 27.63 11.94 26.54 1.00 -41.48 15.93	31.03
05 12 23 00-0306	LF			W14 x 48 A992/A36 Structural Beam Or Girder ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	124.20 25.37 11.18 24.84 0.91 -38.55 14.90	30.67

## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing

 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

05 12 23 00-0307	LF	W14 x 43 A992/A36 Structural Beam Or Girder	115.83	30.55
		<i>For Hot Dip Galvanizing, Add</i>	23.11	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	10.42	
		<i>For High Strength Low Alloy A588 Steel, Add</i>	23.17	
		<i>For Each Additional Top Copes &gt;2, Add</i>	0.83	
		<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-35.66	
		<i>For Skewed Or Sloped Connections, Add</i>	13.90	
05 12 23 00-0308	LF	W14 x 38 A992/A36 Structural Beam Or Girder	107.52	30.32
		<i>For Hot Dip Galvanizing, Add</i>	20.90	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	9.68	
		<i>For High Strength Low Alloy A588 Steel, Add</i>	21.50	
		<i>For Each Additional Top Copes &gt;2, Add</i>	0.75	
		<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-32.80	
		<i>For Skewed Or Sloped Connections, Add</i>	12.90	
05 12 23 00-0309	LF	W14 x 34 A992/A36 Structural Beam Or Girder	100.82	29.97
		<i>For Hot Dip Galvanizing, Add</i>	19.11	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	9.07	
		<i>For High Strength Low Alloy A588 Steel, Add</i>	20.16	
		<i>For Each Additional Top Copes &gt;2, Add</i>	0.69	
		<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-30.49	
		<i>For Skewed Or Sloped Connections, Add</i>	12.10	
05 12 23 00-0310	LF	W14 x 30 A992/A36 Structural Beam Or Girder	94.10	29.85
		<i>For Hot Dip Galvanizing, Add</i>	17.31	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	8.47	
		<i>For High Strength Low Alloy A588 Steel, Add</i>	18.82	
		<i>For Each Additional Top Copes &gt;2, Add</i>	0.62	
		<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-28.18	
		<i>For Skewed Or Sloped Connections, Add</i>	11.29	
05 12 23 00-0311	LF	W14 x 26 A992/A36 Structural Beam Or Girder	87.38	29.49
		<i>For Hot Dip Galvanizing, Add</i>	15.51	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	7.86	
		<i>For High Strength Low Alloy A588 Steel, Add</i>	17.48	
		<i>For Each Additional Top Copes &gt;2, Add</i>	0.56	
		<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-25.86	
		<i>For Skewed Or Sloped Connections, Add</i>	10.49	
05 12 23 00-0312	LF	W14 x 22 A992/A36 Structural Beam Or Girder	80.86	29.38
		<i>For Hot Dip Galvanizing, Add</i>	13.76	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	7.28	
		<i>For High Strength Low Alloy A588 Steel, Add</i>	16.17	
		<i>For Each Additional Top Copes &gt;2, Add</i>	0.50	
		<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-23.61	
		<i>For Skewed Or Sloped Connections, Add</i>	9.70	
05 12 23 00-0313	LF	W12 x 87 A992/A36 Structural Beam Or Girder	189.49	32.90
		<i>For Hot Dip Galvanizing, Add</i>	42.83	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	17.05	
		<i>For High Strength Low Alloy A588 Steel, Add</i>	37.90	
		<i>For Each Additional Top Copes &gt;2, Add</i>	1.54	
		<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-61.05	
		<i>For Skewed Or Sloped Connections, Add</i>	22.74	
05 12 23 00-0314	LF	W12 x 79 A992/A36 Structural Beam Or Girder	176.06	32.43
		<i>For Hot Dip Galvanizing, Add</i>	39.24	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	15.85	
		<i>For High Strength Low Alloy A588 Steel, Add</i>	35.21	
		<i>For Each Additional Top Copes &gt;2, Add</i>	1.41	
		<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-56.42	
		<i>For Skewed Or Sloped Connections, Add</i>	21.13	
05 12 23 00-0315	LF	W12 x 72 A992/A36 Structural Beam Or Girder	164.30	32.09
		<i>For Hot Dip Galvanizing, Add</i>	36.10	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	14.79	
		<i>For High Strength Low Alloy A588 Steel, Add</i>	32.86	
		<i>For Each Additional Top Copes &gt;2, Add</i>	1.30	
		<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-52.38	
		<i>For Skewed Or Sloped Connections, Add</i>	19.72	
05 12 23 00-0316	LF	W12 x 65 A992/A36 Structural Beam Or Girder	152.65	31.73
		<i>For Hot Dip Galvanizing, Add</i>	32.97	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	13.74	
		<i>For High Strength Low Alloy A588 Steel, Add</i>	30.53	
		<i>For Each Additional Top Copes &gt;2, Add</i>	1.19	
		<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-48.35	
		<i>For Skewed Or Sloped Connections, Add</i>	18.32	
05 12 23 00-0317	LF	W12 x 58 A992/A36 Structural Beam Or Girder	140.90	31.26
		<i>For Hot Dip Galvanizing, Add</i>	29.84	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	12.68	
		<i>For High Strength Low Alloy A588 Steel, Add</i>	28.18	
		<i>For Each Additional Top Copes &gt;2, Add</i>	1.08	
		<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-44.31	
		<i>For Skewed Or Sloped Connections, Add</i>	16.91	
05 12 23 00-0318	LF	W12 x 53 A992/A36 Structural Beam Or Girder	132.71	31.03
		<i>For Hot Dip Galvanizing, Add</i>	27.63	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.94	
		<i>For High Strength Low Alloy A588 Steel, Add</i>	26.54	
		<i>For Each Additional Top Copes &gt;2, Add</i>	1.00	
		<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-41.48	
		<i>For Skewed Or Sloped Connections, Add</i>	15.93	
05 12 23 00-0319	LF	W12 x 50 A992/A36 Structural Beam Or Girder	127.47	30.91
		<i>For Hot Dip Galvanizing, Add</i>	26.24	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.47	
		<i>For High Strength Low Alloy A588 Steel, Add</i>	25.49	
		<i>For Each Additional Top Copes &gt;2, Add</i>	0.95	
		<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-39.68	
		<i>For Skewed Or Sloped Connections, Add</i>	15.30	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0320	LF			W12 x 45 A992/A36 Structural Beam Or Girder .....	119.28	30.67
				For Hot Dip Galvanizing, Add	24.03	
				For High Strength Low Alloy A572-50 Steel, Add	10.74	
				For High Strength Low Alloy A588 Steel, Add	23.86	
				For Each Additional Top Copes >2, Add	0.87	
				For Structural Tees, WT, MT Or ST, Deduct	-36.85	
				For Skewed Or Sloped Connections, Add	14.31	
05 12 23 00-0321	LF			W12 x 40 A992/A36 Structural Beam Or Girder .....	102.79	22.80
				For Hot Dip Galvanizing, Add	21.78	
				For High Strength Low Alloy A572-50 Steel, Add	9.25	
				For High Strength Low Alloy A588 Steel, Add	20.56	
				For Each Additional Top Copes >2, Add	0.78	
				For Structural Tees, WT, MT Or ST, Deduct	-32.33	
				For Skewed Or Sloped Connections, Add	12.33	
05 12 23 00-0322	LF			W12 x 35 A992/A36 Structural Beam Or Girder .....	94.60	22.68
				For Hot Dip Galvanizing, Add	19.57	
				For High Strength Low Alloy A572-50 Steel, Add	8.51	
				For High Strength Low Alloy A588 Steel, Add	18.92	
				For Each Additional Top Copes >2, Add	0.71	
				For Structural Tees, WT, MT Or ST, Deduct	-29.50	
				For Skewed Or Sloped Connections, Add	11.35	
05 12 23 00-0323	LF			W12 x 30 A992/A36 Structural Beam Or Girder .....	86.11	22.33
				For Hot Dip Galvanizing, Add	17.31	
				For High Strength Low Alloy A572-50 Steel, Add	7.75	
				For High Strength Low Alloy A588 Steel, Add	17.22	
				For Each Additional Top Copes >2, Add	0.62	
				For Structural Tees, WT, MT Or ST, Deduct	-26.58	
				For Skewed Or Sloped Connections, Add	10.33	
05 12 23 00-0324	LF			W12 x 26 A992/A36 Structural Beam Or Girder .....	79.40	22.09
				For Hot Dip Galvanizing, Add	15.51	
				For High Strength Low Alloy A572-50 Steel, Add	7.15	
				For High Strength Low Alloy A588 Steel, Add	15.88	
				For Each Additional Top Copes >2, Add	0.56	
				For Structural Tees, WT, MT Or ST, Deduct	-24.26	
				For Skewed Or Sloped Connections, Add	9.53	
05 12 23 00-0325	LF			W12 x 22 A992/A36 Structural Beam Or Girder .....	72.87	21.86
				For Hot Dip Galvanizing, Add	13.76	
				For High Strength Low Alloy A572-50 Steel, Add	6.56	
				For High Strength Low Alloy A588 Steel, Add	14.57	
				For Each Additional Top Copes >2, Add	0.50	
				For Structural Tees, WT, MT Or ST, Deduct	-22.01	
				For Skewed Or Sloped Connections, Add	8.74	
05 12 23 00-0326	LF			W12 x 19 A992/A36 Structural Beam Or Girder .....	67.75	21.74
				For Hot Dip Galvanizing, Add	12.38	
				For High Strength Low Alloy A572-50 Steel, Add	6.10	
				For High Strength Low Alloy A588 Steel, Add	13.55	
				For Each Additional Top Copes >2, Add	0.45	
				For Structural Tees, WT, MT Or ST, Deduct	-20.24	
				For Skewed Or Sloped Connections, Add	8.13	
05 12 23 00-0327	LF			W12 x 16 A992/A36 Structural Beam Or Girder .....	62.70	21.39
				For Hot Dip Galvanizing, Add	11.04	
				For High Strength Low Alloy A572-50 Steel, Add	5.64	
				For High Strength Low Alloy A588 Steel, Add	12.54	
				For Each Additional Top Copes >2, Add	0.40	
				For Structural Tees, WT, MT Or ST, Deduct	-18.51	
				For Skewed Or Sloped Connections, Add	7.52	
05 12 23 00-0328	LF			W12 x 14 A992/A36 Structural Beam Or Girder .....	59.44	21.39
				For Hot Dip Galvanizing, Add	10.17	
				For High Strength Low Alloy A572-50 Steel, Add	5.35	
				For High Strength Low Alloy A588 Steel, Add	11.89	
				For Each Additional Top Copes >2, Add	0.37	
				For Structural Tees, WT, MT Or ST, Deduct	-17.38	
				For Skewed Or Sloped Connections, Add	7.13	
05 12 23 00-0329	LF			W10 x 68 A992/A36 Structural Beam Or Girder .....	150.09	24.56
				For Hot Dip Galvanizing, Add	34.41	
				For High Strength Low Alloy A572-50 Steel, Add	13.51	
				For High Strength Low Alloy A588 Steel, Add	30.02	
				For Each Additional Top Copes >2, Add	1.24	
				For Structural Tees, WT, MT Or ST, Deduct	-48.62	
				For Skewed Or Sloped Connections, Add	18.01	
05 12 23 00-0330	LF			W10 x 60 A992/A36 Structural Beam Or Girder .....	136.85	24.09
				For Hot Dip Galvanizing, Add	30.87	
				For High Strength Low Alloy A572-50 Steel, Add	12.32	
				For High Strength Low Alloy A588 Steel, Add	27.37	
				For Each Additional Top Copes >2, Add	1.11	
				For Structural Tees, WT, MT Or ST, Deduct	-44.05	
				For Skewed Or Sloped Connections, Add	16.42	
05 12 23 00-0331	LF			W10 x 54 A992/A36 Structural Beam Or Girder .....	126.68	23.62
				For Hot Dip Galvanizing, Add	28.14	
				For High Strength Low Alloy A572-50 Steel, Add	11.40	
				For High Strength Low Alloy A588 Steel, Add	25.34	
				For Each Additional Top Copes >2, Add	1.01	
				For Structural Tees, WT, MT Or ST, Deduct	-40.55	
				For Skewed Or Sloped Connections, Add	15.20	
05 12 23 00-0332	LF			W10 x 49 A992/A36 Structural Beam Or Girder .....	118.37	23.39
				For Hot Dip Galvanizing, Add	25.94	
				For High Strength Low Alloy A572-50 Steel, Add	10.65	
				For High Strength Low Alloy A588 Steel, Add	23.67	
				For Each Additional Top Copes >2, Add	0.93	
				For Structural Tees, WT, MT Or ST, Deduct	-37.69	
				For Skewed Or Sloped Connections, Add	14.20	

## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing

 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

05 12 23 00-0333	LF	W10 x 45 A992/A36 Structural Beam Or Girder	111.66	23.27
		For Hot Dip Galvanizing, Add	24.14	
		For High Strength Low Alloy A572-50 Steel, Add	10.05	
		For High Strength Low Alloy A588 Steel, Add	22.33	
		For Each Additional Top Copes >2, Add	0.87	
		For Structural Tees, WT, MT Or ST, Deduct	-35.38	
		For Skewed Or Sloped Connections, Add	13.40	
05 12 23 00-0334	LF	W10 x 39 A992/A36 Structural Beam Or Girder	101.69	22.80
		For Hot Dip Galvanizing, Add	21.47	
		For High Strength Low Alloy A572-50 Steel, Add	9.15	
		For High Strength Low Alloy A588 Steel, Add	20.34	
		For Each Additional Top Copes >2, Add	0.77	
		For Structural Tees, WT, MT Or ST, Deduct	-31.94	
		For Skewed Or Sloped Connections, Add	12.20	
05 12 23 00-0335	LF	W10 x 33 A992/A36 Structural Beam Or Girder	91.70	22.45
		For Hot Dip Galvanizing, Add	18.80	
		For High Strength Low Alloy A572-50 Steel, Add	8.25	
		For High Strength Low Alloy A588 Steel, Add	18.34	
		For Each Additional Top Copes >2, Add	0.68	
		For Structural Tees, WT, MT Or ST, Deduct	-28.50	
		For Skewed Or Sloped Connections, Add	11.00	
05 12 23 00-0336	LF	W10 x 30 A992/A36 Structural Beam Or Girder	86.60	22.33
		For Hot Dip Galvanizing, Add	17.41	
		For High Strength Low Alloy A572-50 Steel, Add	7.79	
		For High Strength Low Alloy A588 Steel, Add	17.32	
		For Each Additional Top Copes >2, Add	0.63	
		For Structural Tees, WT, MT Or ST, Deduct	-26.73	
		For Skewed Or Sloped Connections, Add	10.39	
05 12 23 00-0337	LF	W10 x 26 A992/A36 Structural Beam Or Girder	80.07	22.22
		For Hot Dip Galvanizing, Add	15.66	
		For High Strength Low Alloy A572-50 Steel, Add	7.21	
		For High Strength Low Alloy A588 Steel, Add	16.01	
		For Each Additional Top Copes >2, Add	0.56	
		For Structural Tees, WT, MT Or ST, Deduct	-24.48	
		For Skewed Or Sloped Connections, Add	9.61	
05 12 23 00-0338	LF	W10 x 22 A992/A36 Structural Beam Or Girder	73.24	21.86
		For Hot Dip Galvanizing, Add	13.87	
		For High Strength Low Alloy A572-50 Steel, Add	6.59	
		For High Strength Low Alloy A588 Steel, Add	14.65	
		For Each Additional Top Copes >2, Add	0.50	
		For Structural Tees, WT, MT Or ST, Deduct	-22.14	
		For Skewed Or Sloped Connections, Add	8.79	
05 12 23 00-0339	LF	W10 x 19 A992/A36 Structural Beam Or Girder	68.31	21.74
		For Hot Dip Galvanizing, Add	12.53	
		For High Strength Low Alloy A572-50 Steel, Add	6.15	
		For High Strength Low Alloy A588 Steel, Add	13.66	
		For Each Additional Top Copes >2, Add	0.45	
		For Structural Tees, WT, MT Or ST, Deduct	-20.44	
		For Skewed Or Sloped Connections, Add	8.20	
05 12 23 00-0340	LF	W10 x 17 A992/A36 Structural Beam Or Girder	64.85	21.62
		For Hot Dip Galvanizing, Add	11.61	
		For High Strength Low Alloy A572-50 Steel, Add	5.84	
		For High Strength Low Alloy A588 Steel, Add	12.97	
		For Each Additional Top Copes >2, Add	0.42	
		For Structural Tees, WT, MT Or ST, Deduct	-19.24	
		For Skewed Or Sloped Connections, Add	7.78	
05 12 23 00-0341	LF	W10 x 15 A992/A36 Structural Beam Or Girder	61.59	21.39
		For Hot Dip Galvanizing, Add	10.73	
		For High Strength Low Alloy A572-50 Steel, Add	5.54	
		For High Strength Low Alloy A588 Steel, Add	12.32	
		For Each Additional Top Copes >2, Add	0.39	
		For Structural Tees, WT, MT Or ST, Deduct	-18.12	
		For Skewed Or Sloped Connections, Add	7.39	
05 12 23 00-0342	LF	W10 x 12 A992/A36 Structural Beam Or Girder	56.67	21.39
		For Hot Dip Galvanizing, Add	9.40	
		For High Strength Low Alloy A572-50 Steel, Add	5.10	
		For High Strength Low Alloy A588 Steel, Add	11.33	
		For Each Additional Top Copes >2, Add	0.34	
		For Structural Tees, WT, MT Or ST, Deduct	-16.41	
		For Skewed Or Sloped Connections, Add	6.80	
05 12 23 00-0343	LF	W8 x 35 A992/A36 Structural Beam Or Girder	94.97	22.68
		For Hot Dip Galvanizing, Add	19.67	
		For High Strength Low Alloy A572-50 Steel, Add	8.55	
		For High Strength Low Alloy A588 Steel, Add	18.99	
		For Each Additional Top Copes >2, Add	0.71	
		For Structural Tees, WT, MT Or ST, Deduct	-29.63	
		For Skewed Or Sloped Connections, Add	11.40	
05 12 23 00-0344	LF	W8 x 31 A992/A36 Structural Beam Or Girder	88.26	22.33
		For Hot Dip Galvanizing, Add	17.87	
		For High Strength Low Alloy A572-50 Steel, Add	7.94	
		For High Strength Low Alloy A588 Steel, Add	17.65	
		For Each Additional Top Copes >2, Add	0.64	
		For Structural Tees, WT, MT Or ST, Deduct	-27.31	
		For Skewed Or Sloped Connections, Add	10.59	
05 12 23 00-0345	LF	W8 x 28 A992/A36 Structural Beam Or Girder	76.40	21.03
		For Hot Dip Galvanizing, Add	14.97	
		For High Strength Low Alloy A572-50 Steel, Add	6.88	
		For High Strength Low Alloy A588 Steel, Add	15.28	
		For Each Additional Top Copes >2, Add	0.54	
		For Structural Tees, WT, MT Or ST, Deduct	-23.37	
		For Skewed Or Sloped Connections, Add	9.17	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0346	LF			W8 x 24 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	69.64 13.49 6.27 13.93 0.49 -21.22 8.36	19.74
05 12 23 00-0347	LF			W8 x 21 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	64.80 12.54 5.83 12.96 0.45 -19.74 7.78	18.33
05 12 23 00-0348	LF			W8 x 18 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	56.69 10.68 5.10 11.34 0.38 -17.11 6.80	17.04
05 12 23 00-0349	LF			W8 x 10 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	35.62 6.30 3.21 7.12 0.23 -10.53 4.27	12.22
05 12 23 00-0350	LF			W6 x 9 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	32.97 6.21 2.97 6.59 0.22 -9.95 3.96	9.99
<b>05 12 23 00-0351</b>				<b>A992/A36 Structural Steel, M Shapes</b> <small>(05 12 23 00-0133)</small> Note: Includes material delivery and erection.		
05 12 23 00-0352	LF			M14 x 18 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	63.26 12.93 5.69 12.65	15.62
05 12 23 00-0353	LF			M12 x 11.8 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	45.29 8.48 4.08 9.06	13.82
05 12 23 00-0354	LF			M10 x 9 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	35.12 6.47 3.16 7.02	11.09
05 12 23 00-0355	LF			M8 x 6.5 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	25.37 4.67 2.28 5.07	8.01
05 12 23 00-0356	LF			M6 x 20 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	71.75 14.37 6.46 14.35	18.93
05 12 23 00-0357	LF			M6 x 4.4 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	17.16 3.16 1.54 3.43	5.42
05 12 23 00-0358	LF			M5 x 18.9 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	69.07 13.56 6.22 13.81	18.93
05 12 23 00-0359	LF			M4 x 13 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	56.57 10.22 5.09 11.31	18.57
<b>05 12 23 00-0360</b>				<b>A992/A36 Structural Steel, S Shapes</b> <small>(05 12 23 00-0133)</small> Note: Includes material delivery and erection.		
05 12 23 00-0361	LF			S24 x 121 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	381.13 82.35 34.30 76.23	79.15
05 12 23 00-0362	LF			S24 x 106 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	337.78 72.14 30.40 67.56	72.98
05 12 23 00-0363	LF			S24 x 100 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	322.52 68.06 29.03 64.50	72.47
05 12 23 00-0364	LF			S24 x 90 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	293.93 61.25 26.45 58.79	68.66

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

05 12 23 00-0365	LF	S24 x 80 A992/A36 Structural Steel.....	264.69	64.25
		<i>For Hot Dip Galvanizing, Add</i>	54.45	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	23.82	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	52.94	
05 12 23 00-0366	LF	S20 x 96 A992/A36 Structural Steel.....	309.62	69.58
		<i>For Hot Dip Galvanizing, Add</i>	65.33	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	27.87	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	61.92	
05 12 23 00-0367	LF	S20 x 86 A992/A36 Structural Steel.....	280.86	65.61
		<i>For Hot Dip Galvanizing, Add</i>	58.53	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	25.28	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	56.17	
05 12 23 00-0368	LF	S20 x 75 A992/A36 Structural Steel.....	248.15	60.24
		<i>For Hot Dip Galvanizing, Add</i>	51.04	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	22.33	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	49.63	
05 12 23 00-0369	LF	S20 x 66 A992/A36 Structural Steel.....	221.34	55.79
		<i>For Hot Dip Galvanizing, Add</i>	44.92	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	19.92	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	44.27	
05 12 23 00-0370	LF	S18 x 70 A992/A36 Structural Steel.....	234.76	59.18
		<i>For Hot Dip Galvanizing, Add</i>	47.64	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	21.13	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	46.95	
05 12 23 00-0371	LF	S18 x 54.7 A992/A36 Structural Steel.....	186.04	48.67
		<i>For Hot Dip Galvanizing, Add</i>	37.23	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	16.74	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	37.21	
05 12 23 00-0372	LF	S15 x 50 A992/A36 Structural Steel.....	172.55	46.83
		<i>For Hot Dip Galvanizing, Add</i>	34.03	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	15.53	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	34.51	
05 12 23 00-0373	LF	S15 x 42.9 A992/A36 Structural Steel.....	150.31	42.29
		<i>For Hot Dip Galvanizing, Add</i>	29.20	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	13.53	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	30.06	
05 12 23 00-0374	LF	S12 x 50 A992/A36 Structural Steel.....	170.06	44.49
		<i>For Hot Dip Galvanizing, Add</i>	34.03	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	15.31	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	34.01	
05 12 23 00-0375	LF	S12 x 40.8 A992/A36 Structural Steel.....	140.80	38.22
		<i>For Hot Dip Galvanizing, Add</i>	27.77	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	12.67	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	28.16	
05 12 23 00-0376	LF	S12 x 35 A992/A36 Structural Steel.....	122.62	34.51
		<i>For Hot Dip Galvanizing, Add</i>	23.82	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.04	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	24.52	
05 12 23 00-0377	LF	S12 x 31.8 A992/A36 Structural Steel.....	113.18	33.00
		<i>For Hot Dip Galvanizing, Add</i>	21.64	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	10.19	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	22.64	
05 12 23 00-0378	LF	S10 x 35 A992/A36 Structural Steel.....	124.57	36.33
		<i>For Hot Dip Galvanizing, Add</i>	23.82	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.21	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	24.91	
05 12 23 00-0379	LF	S10 x 25.4 A992/A36 Structural Steel.....	91.87	27.75
		<i>For Hot Dip Galvanizing, Add</i>	17.29	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	8.27	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	18.37	
05 12 23 00-0380	LF	S8 x 23 A992/A36 Structural Steel.....	83.20	25.12
		<i>For Hot Dip Galvanizing, Add</i>	15.65	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	7.49	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	16.64	
05 12 23 00-0381	LF	S8 x 18.4 A992/A36 Structural Steel.....	67.69	21.16
		<i>For Hot Dip Galvanizing, Add</i>	12.52	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	6.09	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	13.54	
05 12 23 00-0382	LF	S7 x 20 A992/A36 Structural Steel.....	73.57	23.00
		<i>For Hot Dip Galvanizing, Add</i>	13.61	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	6.62	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	14.71	
05 12 23 00-0383	LF	S7 x 15.3 A992/A36 Structural Steel.....	57.27	18.53
		<i>For Hot Dip Galvanizing, Add</i>	10.41	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	5.15	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	11.45	
05 12 23 00-0384	LF	S6 x 17.25 A992/A36 Structural Steel.....	63.47	19.84
		<i>For Hot Dip Galvanizing, Add</i>	11.74	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	5.71	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	12.69	
05 12 23 00-0385	LF	S6 x 12.5 A992/A36 Structural Steel.....	54.32	18.33
		<i>For Hot Dip Galvanizing, Add</i>	9.63	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	4.89	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	10.86	
05 12 23 00-0386	LF	S5 x 14.75 A992/A36 Structural Steel.....	57.90	18.68
		<i>For Hot Dip Galvanizing, Add</i>	10.56	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	5.21	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	11.58	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 12 23 00-0387	LF	S5 x 10	A992/A36 Structural Steel ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	49.03 8.19 4.41 9.81	18.22
05 12 23 00-0388	LF	S4 x 9.5	A992/A36 Structural Steel ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	47.66 7.81 4.29 9.53	18.22
05 12 23 00-0389	LF	S4 x 7.7	A992/A36 Structural Steel ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	44.50 6.97 4.01 8.90	18.22
05 12 23 00-0390	LF	S3 x 7.5	A992/A36 Structural Steel ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	44.19 6.88 3.98 8.84	18.22
05 12 23 00-0391	LF	S3 x 5.7	A992/A36 Structural Steel ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	40.43 5.87 3.64 8.09	18.10
<b>05 12 23 00-0392 A992/A36 Structural Steel, HP Shapes</b> <small>(05 12 23 00-0133)</small>					
Note: Includes material delivery and erection.					
05 12 23 00-0393	LF	HP14 x 117	A992/A36 Structural Steel ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	235.76 58.49 21.22 47.15	23.45
05 12 23 00-0394	LF	HP14 x 102	A992/A36 Structural Steel ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	206.24 50.78 18.56 41.25	21.82
05 12 23 00-0395	LF	HP14 x 89	A992/A36 Structural Steel ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	183.71 44.92 16.53 36.74	20.47
05 12 23 00-0396	LF	HP14 x 73	A992/A36 Structural Steel ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	152.01 36.48 13.68 30.40	19.29
05 12 23 00-0397	LF	HP13 x 100	A992/A36 Structural Steel ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	202.21 49.78 18.20 40.44	21.39
05 12 23 00-0398	LF	HP13 x 87	A992/A36 Structural Steel ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	179.59 43.92 16.16 35.92	20.01
05 12 23 00-0399	LF	HP13 x 73	A992/A36 Structural Steel ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	152.01 36.48 13.68 30.40	19.29
05 12 23 00-0400	LF	HP13 x 60	A992/A36 Structural Steel ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	128.71 30.25 11.58 25.74	18.49
05 12 23 00-0401	LF	HP12 x 84	A992/A36 Structural Steel ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	169.33 40.75 15.24 33.87	21.10
05 12 23 00-0402	LF	HP12 x 74	A992/A36 Structural Steel ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	149.56 35.62 13.46 29.91	19.90
05 12 23 00-0403	LF	HP12 x 63	A992/A36 Structural Steel ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	128.70 30.30 11.58 25.74	18.30
05 12 23 00-0404	LF	HP12 x 53	A992/A36 Structural Steel ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	117.98 27.59 10.62 23.60	17.40
05 12 23 00-0405	LF	HP10 x 57	A992/A36 Structural Steel ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	124.30 29.21 11.19 24.86	17.85
05 12 23 00-0406	LF	HP10 x 42	A992/A36 Structural Steel ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	102.36 23.45 9.21 20.47	16.73
05 12 23 00-0407	LF	HP8 x 36	A992/A36 Structural Steel ..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	88.95 20.02 8.01 17.79	15.78

05 12 23 00-0408	<b>Lightweight Framing Steel Shapes</b> <small>(05 12 23)</small>				
Note: Includes cutting to length. When used with structural steel shapes by TON, connecting bolts or welds are considered included with structural steel tasks by TON.					
05 12 23 00-0409	<b>Angle Iron - L</b> <small>(05 12 23 00-0408)</small>				

## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing

 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

05 12 23 00-0410		1/8" Thick (05 12 23 00-0409)		
05 12 23 00-0411	LF	1/2" x 1/2" x 1/8" Thick, Plain Steel Angle Iron.....	2.71	1.60
		For >100 To 250, Deduct	-0.16	
		For >250 To 500, Deduct	-0.23	
		For >500 To 1,000, Deduct	-0.35	
		For >1,000, Deduct	-0.47	
		For Galvanized Steel, Add	0.35	
		For 304 Stainless Steel, Add	1.62	
		For High Strength Steel (HSS), Add	0.54	
05 12 23 00-0412	LF	3/4" x 1/2" x 1/8" Thick, Plain Steel Angle Iron.....	3.15	1.81
		For >100 To 250, Deduct	-0.18	
		For >250 To 500, Deduct	-0.26	
		For >500 To 1,000, Deduct	-0.40	
		For >1,000, Deduct	-0.54	
		For Galvanized Steel, Add	0.45	
		For 304 Stainless Steel, Add	2.08	
		For High Strength Steel (HSS), Add	0.63	
05 12 23 00-0413	LF	3/4" x 3/4" x 1/8" Thick, Plain Steel Angle Iron.....	3.56	2.01
		For >100 To 250, Deduct	-0.20	
		For >250 To 500, Deduct	-0.29	
		For >500 To 1,000, Deduct	-0.45	
		For >1,000, Deduct	-0.60	
		For Galvanized Steel, Add	0.55	
		For 304 Stainless Steel, Add	2.54	
		For High Strength Steel (HSS), Add	0.71	
05 12 23 00-0414	LF	1" x 3/4" x 1/8" Thick, Plain Steel Angle Iron.....	4.00	2.23
		For >100 To 250, Deduct	-0.22	
		For >250 To 500, Deduct	-0.32	
		For >500 To 1,000, Deduct	-0.50	
		For >1,000, Deduct	-0.67	
		For Galvanized Steel, Add	0.64	
		For 304 Stainless Steel, Add	2.96	
		For High Strength Steel (HSS), Add	0.80	
05 12 23 00-0415	LF	1" x 1" x 1/8" Thick, Plain Steel Angle Iron.....	4.42	2.40
		For >100 To 250, Deduct	-0.24	
		For >250 To 500, Deduct	-0.35	
		For >500 To 1,000, Deduct	-0.54	
		For >1,000, Deduct	-0.73	
		For Galvanized Steel, Add	0.75	
		For 304 Stainless Steel, Add	3.45	
		For High Strength Steel (HSS), Add	0.88	
05 12 23 00-0416	LF	1-1/4" x 1-1/4" x 1/8" Thick, Plain Steel Angle Iron.....	5.30	2.83
		For >100 To 250, Deduct	-0.28	
		For >250 To 500, Deduct	-0.42	
		For >500 To 1,000, Deduct	-0.64	
		For >1,000, Deduct	-0.87	
		For Galvanized Steel, Add	0.95	
		For 304 Stainless Steel, Add	4.36	
		For High Strength Steel (HSS), Add	1.06	
05 12 23 00-0417	LF	1-1/2" x 1" x 1/8" Thick, Plain Steel Angle Iron.....	5.30	2.83
		For >100 To 250, Deduct	-0.28	
		For >250 To 500, Deduct	-0.42	
		For >500 To 1,000, Deduct	-0.64	
		For >1,000, Deduct	-0.87	
		For Galvanized Steel, Add	0.95	
		For 304 Stainless Steel, Add	4.36	
		For High Strength Steel (HSS), Add	1.06	
05 12 23 00-0418	LF	1-1/2" x 1-1/2" x 1/8" Thick, Plain Steel Angle Iron.....	6.36	3.39
		For >100 To 250, Deduct	-0.34	
		For >250 To 500, Deduct	-0.50	
		For >500 To 1,000, Deduct	-0.77	
		For >1,000, Deduct	-1.04	
		For Galvanized Steel, Add	1.14	
		For 304 Stainless Steel, Add	5.24	
		For High Strength Steel (HSS), Add	1.27	
05 12 23 00-0419	LF	2" x 2" x 1/8" Thick, Plain Steel Angle Iron.....	8.64	4.60
		For >100 To 250, Deduct	-0.46	
		For >250 To 500, Deduct	-0.68	
		For >500 To 1,000, Deduct	-1.05	
		For >1,000, Deduct	-1.42	
		For Galvanized Steel, Add	1.55	
		For 304 Stainless Steel, Add	7.13	
		For High Strength Steel (HSS), Add	1.73	
05 12 23 00-0420		3/16" Thick (05 12 23 00-0409)		
05 12 23 00-0421	LF	1-1/4" x 1-1/4" x 3/16" Thick, Plain Steel Angle Iron.....	6.22	2.99
		For >100 To 250, Deduct	-0.30	
		For >250 To 500, Deduct	-0.45	
		For >500 To 1,000, Deduct	-0.71	
		For >1,000, Deduct	-0.96	
		For Galvanized Steel, Add	1.39	
		For 304 Stainless Steel, Add	6.38	
		For High Strength Steel (HSS), Add	1.24	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0422	LF			1-1/2" x 1" x 3/16" Thick, Plain Steel Angle Iron .....	6.22	2.99
				For >100 To 250, Deduct	-0.30	
				For >250 To 500, Deduct	-0.45	
				For >500 To 1,000, Deduct	-0.71	
				For >1,000, Deduct	-0.96	
				For Galvanized Steel, Add	1.39	
				For 304 Stainless Steel, Add	6.38	
				For High Strength Steel (HSS), Add	1.24	
05 12 23 00-0423	LF			1-1/2" x 1-1/2" x 3/16" Thick, Plain Steel Angle Iron .....	6.99	3.21
				For >100 To 250, Deduct	-0.32	
				For >250 To 500, Deduct	-0.50	
				For >500 To 1,000, Deduct	-0.78	
				For >1,000, Deduct	-1.06	
				For Galvanized Steel, Add	1.69	
				For 304 Stainless Steel, Add	7.75	
				For High Strength Steel (HSS), Add	1.40	
05 12 23 00-0424	LF			2" x 2" x 3/16" Thick, Plain Steel Angle Iron .....	8.28	3.44
				For >100 To 250, Deduct	-0.34	
				For >250 To 500, Deduct	-0.55	
				For >500 To 1,000, Deduct	-0.87	
				For >1,000, Deduct	-1.19	
				For Galvanized Steel, Add	2.29	
				For 304 Stainless Steel, Add	10.55	
				For High Strength Steel (HSS), Add	1.66	
05 12 23 00-0425	LF			2-1/2" x 2" x 3/16" Thick, Plain Steel Angle Iron .....	9.07	3.68
				For >100 To 250, Deduct	-0.37	
				For >250 To 500, Deduct	-0.59	
				For >500 To 1,000, Deduct	-0.94	
				For >1,000, Deduct	-1.29	
				For Galvanized Steel, Add	2.59	
				For 304 Stainless Steel, Add	11.88	
				For High Strength Steel (HSS), Add	1.81	
05 12 23 00-0426	LF			2-1/2" x 2-1/2" x 3/16" Thick, Plain Steel Angle Iron .....	9.91	3.94
				For >100 To 250, Deduct	-0.39	
				For >250 To 500, Deduct	-0.64	
				For >500 To 1,000, Deduct	-1.02	
				For >1,000, Deduct	-1.40	
				For Galvanized Steel, Add	2.89	
				For 304 Stainless Steel, Add	13.28	
				For High Strength Steel (HSS), Add	1.98	
05 12 23 00-0427	LF			3" x 2" x 3/16" Thick, Plain Steel Angle Iron .....	9.90	3.94
				For >100 To 250, Deduct	-0.39	
				For >250 To 500, Deduct	-0.64	
				For >500 To 1,000, Deduct	-1.02	
				For >1,000, Deduct	-1.40	
				For Galvanized Steel, Add	2.88	
				For 304 Stainless Steel, Add	13.25	
				For High Strength Steel (HSS), Add	1.98	
05 12 23 00-0428	LF			3" x 2-1/2" x 3/16" Thick, Plain Steel Angle Iron .....	10.94	4.35
				For >100 To 250, Deduct	-0.44	
				For >250 To 500, Deduct	-0.71	
				For >500 To 1,000, Deduct	-1.13	
				For >1,000, Deduct	-1.55	
				For Galvanized Steel, Add	3.19	
				For 304 Stainless Steel, Add	14.65	
				For High Strength Steel (HSS), Add	2.19	
05 12 23 00-0429	LF			3" x 3" x 3/16" Thick, Plain Steel Angle Iron .....	11.97	4.76
				For >100 To 250, Deduct	-0.48	
				For >250 To 500, Deduct	-0.78	
				For >500 To 1,000, Deduct	-1.23	
				For >1,000, Deduct	-1.69	
				For Galvanized Steel, Add	3.48	
				For 304 Stainless Steel, Add	16.02	
				For High Strength Steel (HSS), Add	2.39	
<b>05 12 23 00-0430</b>				<b>1/4" Thick</b> <small>(05 12 23 00-0409)</small>		
05 12 23 00-0431	LF			1-1/2" x 1" x 1/4" Thick, Plain Steel Angle Iron .....	7.08	3.16
				For >100 To 250, Deduct	-0.32	
				For >250 To 500, Deduct	-0.49	
				For >500 To 1,000, Deduct	-0.78	
				For >1,000, Deduct	-1.06	
				For Galvanized Steel, Add	1.78	
				For 304 Stainless Steel, Add	8.18	
				For High Strength Steel (HSS), Add	1.42	
05 12 23 00-0432	LF			1-1/2" x 1-1/2" x 1/4" Thick, Plain Steel Angle Iron .....	8.02	3.38
				For >100 To 250, Deduct	-0.34	
				For >250 To 500, Deduct	-0.54	
				For >500 To 1,000, Deduct	-0.85	
				For >1,000, Deduct	-1.17	
				For Galvanized Steel, Add	2.18	
				For 304 Stainless Steel, Add	10.00	
				For High Strength Steel (HSS), Add	1.60	
05 12 23 00-0433	LF			2" x 2" x 1/4" Thick, Plain Steel Angle Iron .....	9.63	3.60
				For >100 To 250, Deduct	-0.36	
				For >250 To 500, Deduct	-0.60	
				For >500 To 1,000, Deduct	-0.96	
				For >1,000, Deduct	-1.32	
				For Galvanized Steel, Add	2.99	
				For 304 Stainless Steel, Add	13.74	
				For High Strength Steel (HSS), Add	1.93	

## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 12 23 00-0434	LF	2-1/2" x 2" x 1/4" Thick, Plain Steel Angle Iron	10.81	3.99
		<i>For &gt;100 To 250, Deduct</i>	-0.40	
		<i>For &gt;250 To 500, Deduct</i>	-0.67	
		<i>For &gt;500 To 1,000, Deduct</i>	-1.07	
		<i>For &gt;1,000, Deduct</i>	-1.48	
		<i>For Galvanized Steel, Add</i>	3.40	
		<i>For 304 Stainless Steel, Add</i>	15.65	
		<i>For High Strength Steel (HSS), Add</i>	2.16	
05 12 23 00-0435	LF	2-1/2" x 2-1/2" x 1/4" Thick, Plain Steel Angle Iron	12.04	4.37
		<i>For &gt;100 To 250, Deduct</i>	-0.44	
		<i>For &gt;250 To 500, Deduct</i>	-0.74	
		<i>For &gt;500 To 1,000, Deduct</i>	-1.19	
		<i>For &gt;1,000, Deduct</i>	-1.63	
		<i>For Galvanized Steel, Add</i>	3.84	
		<i>For 304 Stainless Steel, Add</i>	17.67	
		<i>For High Strength Steel (HSS), Add</i>	2.41	
05 12 23 00-0436	LF	3" x 2" x 1/4" Thick, Plain Steel Angle Iron	12.04	4.37
		<i>For &gt;100 To 250, Deduct</i>	-0.44	
		<i>For &gt;250 To 500, Deduct</i>	-0.74	
		<i>For &gt;500 To 1,000, Deduct</i>	-1.19	
		<i>For &gt;1,000, Deduct</i>	-1.63	
		<i>For Galvanized Steel, Add</i>	3.84	
		<i>For 304 Stainless Steel, Add</i>	17.67	
		<i>For High Strength Steel (HSS), Add</i>	2.41	
05 12 23 00-0437	LF	3" x 2-1/2" x 1/4" Thick, Plain Steel Angle Iron	13.30	4.86
		<i>For &gt;100 To 250, Deduct</i>	-0.49	
		<i>For &gt;250 To 500, Deduct</i>	-0.82	
		<i>For &gt;500 To 1,000, Deduct</i>	-1.31	
		<i>For &gt;1,000, Deduct</i>	-1.81	
		<i>For Galvanized Steel, Add</i>	4.23	
		<i>For 304 Stainless Steel, Add</i>	19.44	
		<i>For High Strength Steel (HSS), Add</i>	2.66	
05 12 23 00-0438	LF	3" x 3" x 1/4" Thick, Plain Steel Angle Iron	14.53	5.34
		<i>For &gt;100 To 250, Deduct</i>	-0.53	
		<i>For &gt;250 To 500, Deduct</i>	-0.90	
		<i>For &gt;500 To 1,000, Deduct</i>	-1.44	
		<i>For &gt;1,000, Deduct</i>	-1.98	
		<i>For Galvanized Steel, Add</i>	4.59	
		<i>For 304 Stainless Steel, Add</i>	21.12	
		<i>For High Strength Steel (HSS), Add</i>	2.91	
05 12 23 00-0439	LF	3-1/2" x 3" x 1/4" Thick, Plain Steel Angle Iron	15.81	5.74
		<i>For &gt;100 To 250, Deduct</i>	-0.57	
		<i>For &gt;250 To 500, Deduct</i>	-0.97	
		<i>For &gt;500 To 1,000, Deduct</i>	-1.56	
		<i>For &gt;1,000, Deduct</i>	-2.14	
		<i>For Galvanized Steel, Add</i>	5.06	
		<i>For 304 Stainless Steel, Add</i>	23.26	
		<i>For High Strength Steel (HSS), Add</i>	3.16	
05 12 23 00-0440	LF	3-1/2" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron	16.78	0.59
		<i>For &gt;100 To 250, Deduct</i>	-0.60	
		<i>For &gt;250 To 500, Deduct</i>	-1.02	
		<i>For &gt;500 To 1,000, Deduct</i>	-1.64	
		<i>For &gt;1,000, Deduct</i>	-2.26	
		<i>For Galvanized Steel, Add</i>	5.45	
		<i>For 304 Stainless Steel, Add</i>	25.05	
		<i>For High Strength Steel (HSS), Add</i>	3.36	
05 12 23 00-0441	LF	4" x 3" x 1/4" Thick, Plain Steel Angle Iron	16.78	6.00
		<i>For &gt;100 To 250, Deduct</i>	-0.60	
		<i>For &gt;250 To 500, Deduct</i>	-1.02	
		<i>For &gt;500 To 1,000, Deduct</i>	-1.64	
		<i>For &gt;1,000, Deduct</i>	-2.26	
		<i>For Galvanized Steel, Add</i>	5.45	
		<i>For 304 Stainless Steel, Add</i>	25.05	
		<i>For High Strength Steel (HSS), Add</i>	3.36	
05 12 23 00-0442	LF	4" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron	17.70	6.25
		<i>For &gt;100 To 250, Deduct</i>	-0.62	
		<i>For &gt;250 To 500, Deduct</i>	-1.07	
		<i>For &gt;500 To 1,000, Deduct</i>	-1.72	
		<i>For &gt;1,000, Deduct</i>	-2.37	
		<i>For Galvanized Steel, Add</i>	5.81	
		<i>For 304 Stainless Steel, Add</i>	26.70	
		<i>For High Strength Steel (HSS), Add</i>	3.54	
05 12 23 00-0443	LF	4" x 4" x 1/4" Thick, Plain Steel Angle Iron	18.68	6.51
		<i>For &gt;100 To 250, Deduct</i>	-0.65	
		<i>For &gt;250 To 500, Deduct</i>	-1.12	
		<i>For &gt;500 To 1,000, Deduct</i>	-1.80	
		<i>For &gt;1,000, Deduct</i>	-2.49	
		<i>For Galvanized Steel, Add</i>	6.20	
		<i>For 304 Stainless Steel, Add</i>	28.50	
		<i>For High Strength Steel (HSS), Add</i>	3.74	
05 12 23 00-0444	LF	5" x 3" x 1/4" Thick, Plain Steel Angle Iron	18.68	6.51
		<i>For &gt;100 To 250, Deduct</i>	-0.65	
		<i>For &gt;250 To 500, Deduct</i>	-1.12	
		<i>For &gt;500 To 1,000, Deduct</i>	-1.80	
		<i>For &gt;1,000, Deduct</i>	-2.49	
		<i>For Galvanized Steel, Add</i>	6.20	
		<i>For 304 Stainless Steel, Add</i>	28.50	
		<i>For High Strength Steel (HSS), Add</i>	3.74	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0445	LF			5" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron .....	19.73	6.86
				<i>For &gt;100 To 250, Deduct</i>	-0.69	
				<i>For &gt;250 To 500, Deduct</i>	-1.18	
				<i>For &gt;500 To 1,000, Deduct</i>	-1.90	
				<i>For &gt;1,000, Deduct</i>	-2.62	
				<i>For Galvanized Steel, Add</i>	6.56	
				<i>For 304 Stainless Steel, Add</i>	30.15	
				<i>For High Strength Steel (HSS), Add</i>	3.95	
<b>05 12 23 00-0446</b>				<b>5/16" Thick</b> <small>(05 12 23 00-0409)</small>		
05 12 23 00-0447	LF			2-1/2" x 2" x 5/16" Thick, Plain Steel Angle Iron .....	13.01	4.64
				<i>For &gt;100 To 250, Deduct</i>	-0.46	
				<i>For &gt;250 To 500, Deduct</i>	-0.79	
				<i>For &gt;500 To 1,000, Deduct</i>	-1.27	
				<i>For &gt;1,000, Deduct</i>	-1.75	
				<i>For Galvanized Steel, Add</i>	4.23	
				<i>For 304 Stainless Steel, Add</i>	19.44	
				<i>For High Strength Steel (HSS), Add</i>	2.60	
05 12 23 00-0448	LF			2-1/2" x 2-1/2" x 5/16" Thick, Plain Steel Angle Iron .....	14.14	4.92
				<i>For &gt;100 To 250, Deduct</i>	-0.49	
				<i>For &gt;250 To 500, Deduct</i>	-0.85	
				<i>For &gt;500 To 1,000, Deduct</i>	-1.36	
				<i>For &gt;1,000, Deduct</i>	-1.88	
				<i>For Galvanized Steel, Add</i>	4.70	
				<i>For 304 Stainless Steel, Add</i>	21.60	
				<i>For High Strength Steel (HSS), Add</i>	2.83	
05 12 23 00-0449	LF			3" x 2" x 5/16" Thick, Plain Steel Angle Iron .....	14.14	4.92
				<i>For &gt;100 To 250, Deduct</i>	-0.49	
				<i>For &gt;250 To 500, Deduct</i>	-0.85	
				<i>For &gt;500 To 1,000, Deduct</i>	-1.36	
				<i>For &gt;1,000, Deduct</i>	-1.88	
				<i>For Galvanized Steel, Add</i>	4.70	
				<i>For 304 Stainless Steel, Add</i>	21.60	
				<i>For High Strength Steel (HSS), Add</i>	2.83	
05 12 23 00-0450	LF			3" x 2-1/2" x 5/16" Thick, Plain Steel Angle Iron .....	15.68	5.39
				<i>For &gt;100 To 250, Deduct</i>	-0.54	
				<i>For &gt;250 To 500, Deduct</i>	-0.93	
				<i>For &gt;500 To 1,000, Deduct</i>	-1.50	
				<i>For &gt;1,000, Deduct</i>	-2.07	
				<i>For Galvanized Steel, Add</i>	5.26	
				<i>For 304 Stainless Steel, Add</i>	24.20	
				<i>For High Strength Steel (HSS), Add</i>	3.14	
05 12 23 00-0451	LF			3" x 3" x 5/16" Thick, Plain Steel Angle Iron .....	17.05	5.87
				<i>For &gt;100 To 250, Deduct</i>	-0.59	
				<i>For &gt;250 To 500, Deduct</i>	-1.01	
				<i>For &gt;500 To 1,000, Deduct</i>	-1.63	
				<i>For &gt;1,000, Deduct</i>	-2.26	
				<i>For Galvanized Steel, Add</i>	5.73	
				<i>For 304 Stainless Steel, Add</i>	26.33	
				<i>For High Strength Steel (HSS), Add</i>	3.41	
05 12 23 00-0452	LF			3-1/2" x 3" x 5/16" Thick, Plain Steel Angle Iron .....	18.21	6.16
				<i>For &gt;100 To 250, Deduct</i>	-0.62	
				<i>For &gt;250 To 500, Deduct</i>	-1.07	
				<i>For &gt;500 To 1,000, Deduct</i>	-1.73	
				<i>For &gt;1,000, Deduct</i>	-2.39	
				<i>For Galvanized Steel, Add</i>	6.20	
				<i>For 304 Stainless Steel, Add</i>	28.50	
				<i>For High Strength Steel (HSS), Add</i>	3.64	
05 12 23 00-0453	LF			3-1/2" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron .....	19.50	6.46
				<i>For &gt;100 To 250, Deduct</i>	-0.65	
				<i>For &gt;250 To 500, Deduct</i>	-1.13	
				<i>For &gt;500 To 1,000, Deduct</i>	-1.84	
				<i>For &gt;1,000, Deduct</i>	-2.54	
				<i>For Galvanized Steel, Add</i>	6.75	
				<i>For 304 Stainless Steel, Add</i>	31.01	
				<i>For High Strength Steel (HSS), Add</i>	3.90	
05 12 23 00-0454	LF			4" x 3" x 5/16" Thick, Plain Steel Angle Iron .....	19.50	6.46
				<i>For &gt;100 To 250, Deduct</i>	-0.65	
				<i>For &gt;250 To 500, Deduct</i>	-1.13	
				<i>For &gt;500 To 1,000, Deduct</i>	-1.84	
				<i>For &gt;1,000, Deduct</i>	-2.54	
				<i>For Galvanized Steel, Add</i>	6.75	
				<i>For 304 Stainless Steel, Add</i>	31.01	
				<i>For High Strength Steel (HSS), Add</i>	3.90	
05 12 23 00-0455	LF			4" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron .....	20.75	6.83
				<i>For &gt;100 To 250, Deduct</i>	-0.68	
				<i>For &gt;250 To 500, Deduct</i>	-1.20	
				<i>For &gt;500 To 1,000, Deduct</i>	-1.95	
				<i>For &gt;1,000, Deduct</i>	-2.70	
				<i>For Galvanized Steel, Add</i>	7.22	
				<i>For 304 Stainless Steel, Add</i>	33.17	
				<i>For High Strength Steel (HSS), Add</i>	4.15	
05 12 23 00-0456	LF			4" x 4" x 5/16" Thick, Plain Steel Angle Iron .....	21.95	7.14
				<i>For &gt;100 To 250, Deduct</i>	-0.71	
				<i>For &gt;250 To 500, Deduct</i>	-1.26	
				<i>For &gt;500 To 1,000, Deduct</i>	-2.05	
				<i>For &gt;1,000, Deduct</i>	-2.84	
				<i>For Galvanized Steel, Add</i>	7.71	
				<i>For 304 Stainless Steel, Add</i>	35.43	
				<i>For High Strength Steel (HSS), Add</i>	4.39	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 12 23 00-0457	LF	5" x 3" x 5/16" Thick, Plain Steel Angle Iron.....	21.95	7.14
		<i>For &gt;100 To 250, Deduct</i>	-0.71	
		<i>For &gt;250 To 500, Deduct</i>	-1.26	
		<i>For &gt;500 To 1,000, Deduct</i>	-2.05	
		<i>For &gt;1,000, Deduct</i>	-2.84	
		<i>For Galvanized Steel, Add</i>	7.71	
		<i>For 304 Stainless Steel, Add</i>	35.43	
		<i>For High Strength Steel (HSS), Add</i>	4.39	
05 12 23 00-0458	LF	5" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron .....	23.06	7.44
		<i>For &gt;100 To 250, Deduct</i>	-0.74	
		<i>For &gt;250 To 500, Deduct</i>	-1.32	
		<i>For &gt;500 To 1,000, Deduct</i>	-2.14	
		<i>For &gt;1,000, Deduct</i>	-2.97	
		<i>For Galvanized Steel, Add</i>	8.15	
		<i>For 304 Stainless Steel, Add</i>	37.48	
		<i>For High Strength Steel (HSS), Add</i>	4.61	
05 12 23 00-0459	LF	5" x 5" x 5/16" Thick, Plain Steel Angle Iron.....	25.94	7.75
		<i>For &gt;100 To 250, Deduct</i>	-0.77	
		<i>For &gt;250 To 500, Deduct</i>	-1.42	
		<i>For &gt;500 To 1,000, Deduct</i>	-2.33	
		<i>For &gt;1,000, Deduct</i>	-3.24	
		<i>For Galvanized Steel, Add</i>	9.68	
		<i>For 304 Stainless Steel, Add</i>	44.49	
		<i>For High Strength Steel (HSS), Add</i>	5.19	
05 12 23 00-0460	LF	6" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron .....	25.58	8.07
		<i>For &gt;100 To 250, Deduct</i>	-0.81	
		<i>For &gt;250 To 500, Deduct</i>	-1.45	
		<i>For &gt;500 To 1,000, Deduct</i>	-2.36	
		<i>For &gt;1,000, Deduct</i>	-3.26	
		<i>For Galvanized Steel, Add</i>	9.18	
		<i>For 304 Stainless Steel, Add</i>	42.21	
		<i>For High Strength Steel (HSS), Add</i>	5.12	
<b>05 12 23 00-0461</b>		<b>3/8" Thick</b> <small>(05 12 23 00-0409)</small>		
05 12 23 00-0462	LF	3" x 2" x 3/8" Thick, Plain Steel Angle Iron.....	15.78	5.15
		<i>For &gt;100 To 250, Deduct</i>	-0.51	
		<i>For &gt;250 To 500, Deduct</i>	-0.91	
		<i>For &gt;500 To 1,000, Deduct</i>	-1.48	
		<i>For &gt;1,000, Deduct</i>	-2.04	
		<i>For Galvanized Steel, Add</i>	5.53	
		<i>For 304 Stainless Steel, Add</i>	25.42	
		<i>For High Strength Steel (HSS), Add</i>	3.16	
05 12 23 00-0463	LF	3" x 2-1/2" x 3/8" Thick, Plain Steel Angle Iron .....	17.44	5.57
		<i>For &gt;100 To 250, Deduct</i>	-0.56	
		<i>For &gt;250 To 500, Deduct</i>	-0.99	
		<i>For &gt;500 To 1,000, Deduct</i>	-1.62	
		<i>For &gt;1,000, Deduct</i>	-2.24	
		<i>For Galvanized Steel, Add</i>	6.20	
		<i>For 304 Stainless Steel, Add</i>	28.50	
		<i>For High Strength Steel (HSS), Add</i>	3.49	
05 12 23 00-0464	LF	3" x 3" x 3/8" Thick, Plain Steel Angle Iron.....	18.88	6.01
		<i>For &gt;100 To 250, Deduct</i>	-0.60	
		<i>For &gt;250 To 500, Deduct</i>	-1.07	
		<i>For &gt;500 To 1,000, Deduct</i>	-1.74	
		<i>For &gt;1,000, Deduct</i>	-2.42	
		<i>For Galvanized Steel, Add</i>	6.75	
		<i>For 304 Stainless Steel, Add</i>	31.01	
		<i>For High Strength Steel (HSS), Add</i>	3.78	
05 12 23 00-0465	LF	3-1/2" x 3" x 3/8" Thick, Plain Steel Angle Iron .....	20.19	6.17
		<i>For &gt;100 To 250, Deduct</i>	-0.62	
		<i>For &gt;250 To 500, Deduct</i>	-1.12	
		<i>For &gt;500 To 1,000, Deduct</i>	-1.83	
		<i>For &gt;1,000, Deduct</i>	-2.54	
		<i>For Galvanized Steel, Add</i>	7.42	
		<i>For 304 Stainless Steel, Add</i>	34.11	
		<i>For High Strength Steel (HSS), Add</i>	4.04	
05 12 23 00-0466	LF	3-1/2" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron .....	21.53	6.51
		<i>For &gt;100 To 250, Deduct</i>	-0.65	
		<i>For &gt;250 To 500, Deduct</i>	-1.19	
		<i>For &gt;500 To 1,000, Deduct</i>	-1.94	
		<i>For &gt;1,000, Deduct</i>	-2.70	
		<i>For Galvanized Steel, Add</i>	7.97	
		<i>For 304 Stainless Steel, Add</i>	36.62	
		<i>For High Strength Steel (HSS), Add</i>	4.31	
05 12 23 00-0467	LF	4" x 3" x 3/8" Thick, Plain Steel Angle Iron.....	21.53	6.51
		<i>For &gt;100 To 250, Deduct</i>	-0.65	
		<i>For &gt;250 To 500, Deduct</i>	-1.19	
		<i>For &gt;500 To 1,000, Deduct</i>	-1.94	
		<i>For &gt;1,000, Deduct</i>	-2.70	
		<i>For Galvanized Steel, Add</i>	7.97	
		<i>For 304 Stainless Steel, Add</i>	36.62	
		<i>For High Strength Steel (HSS), Add</i>	4.31	
05 12 23 00-0468	LF	4" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron .....	23.20	7.10
		<i>For &gt;100 To 250, Deduct</i>	-0.71	
		<i>For &gt;250 To 500, Deduct</i>	-1.29	
		<i>For &gt;500 To 1,000, Deduct</i>	-2.11	
		<i>For &gt;1,000, Deduct</i>	-2.92	
		<i>For Galvanized Steel, Add</i>	8.53	
		<i>For 304 Stainless Steel, Add</i>	39.19	
		<i>For High Strength Steel (HSS), Add</i>	4.64	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0469	LF			4" x 4" x 3/8" Thick, Plain Steel Angle Iron .....	24.54	7.30
				<i>For &gt;100 To 250, Deduct</i>	-0.73	
				<i>For &gt;250 To 500, Deduct</i>	-1.34	
				<i>For &gt;500 To 1,000, Deduct</i>	-2.20	
				<i>For &gt;1,000, Deduct</i>	-3.06	
				<i>For Galvanized Steel, Add</i>	9.18	
				<i>For 304 Stainless Steel, Add</i>	42.21	
				<i>For High Strength Steel (HSS), Add</i>	4.91	
05 12 23 00-0470	LF			5" x 3" x 3/8" Thick, Plain Steel Angle Iron .....	24.93	7.59
				<i>For &gt;100 To 250, Deduct</i>	-0.76	
				<i>For &gt;250 To 500, Deduct</i>	-1.38	
				<i>For &gt;500 To 1,000, Deduct</i>	-2.26	
				<i>For &gt;1,000, Deduct</i>	-3.13	
				<i>For Galvanized Steel, Add</i>	9.18	
				<i>For 304 Stainless Steel, Add</i>	42.21	
				<i>For High Strength Steel (HSS), Add</i>	4.99	
05 12 23 00-0471	LF			5" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron .....	26.63	8.17
				<i>For &gt;100 To 250, Deduct</i>	-0.82	
				<i>For &gt;250 To 500, Deduct</i>	-1.48	
				<i>For &gt;500 To 1,000, Deduct</i>	-2.42	
				<i>For &gt;1,000, Deduct</i>	-3.36	
				<i>For Galvanized Steel, Add</i>	9.75	
				<i>For 304 Stainless Steel, Add</i>	44.80	
				<i>For High Strength Steel (HSS), Add</i>	5.33	
05 12 23 00-0472	LF			5" x 5" x 3/8" Thick, Plain Steel Angle Iron .....	31.34	9.53
				<i>For &gt;100 To 250, Deduct</i>	-0.95	
				<i>For &gt;250 To 500, Deduct</i>	-1.74	
				<i>For &gt;500 To 1,000, Deduct</i>	-2.84	
				<i>For &gt;1,000, Deduct</i>	-3.94	
				<i>For Galvanized Steel, Add</i>	11.56	
				<i>For 304 Stainless Steel, Add</i>	53.12	
				<i>For High Strength Steel (HSS), Add</i>	6.27	
05 12 23 00-0473	LF			6" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron .....	29.49	8.86
				<i>For &gt;100 To 250, Deduct</i>	-0.89	
				<i>For &gt;250 To 500, Deduct</i>	-1.62	
				<i>For &gt;500 To 1,000, Deduct</i>	-2.66	
				<i>For &gt;1,000, Deduct</i>	-3.69	
				<i>For Galvanized Steel, Add</i>	10.96	
				<i>For 304 Stainless Steel, Add</i>	50.39	
				<i>For High Strength Steel (HSS), Add</i>	5.90	
05 12 23 00-0474	LF			6" x 4" x 3/8" Thick, Plain Steel Angle Iron .....	31.34	9.53
				<i>For &gt;100 To 250, Deduct</i>	-0.95	
				<i>For &gt;250 To 500, Deduct</i>	-1.74	
				<i>For &gt;500 To 1,000, Deduct</i>	-2.84	
				<i>For &gt;1,000, Deduct</i>	-3.94	
				<i>For Galvanized Steel, Add</i>	11.56	
				<i>For 304 Stainless Steel, Add</i>	53.12	
				<i>For High Strength Steel (HSS), Add</i>	6.27	
05 12 23 00-0475	LF			6" x 6" x 3/8" Thick, Plain Steel Angle Iron .....	37.82	11.44
				<i>For &gt;100 To 250, Deduct</i>	-1.14	
				<i>For &gt;250 To 500, Deduct</i>	-2.09	
				<i>For &gt;500 To 1,000, Deduct</i>	-3.42	
				<i>For &gt;1,000, Deduct</i>	-4.74	
				<i>For Galvanized Steel, Add</i>	14.00	
				<i>For 304 Stainless Steel, Add</i>	64.35	
				<i>For High Strength Steel (HSS), Add</i>	7.56	
05 12 23 00-0476	LF			7" x 4" x 3/8" Thick, Plain Steel Angle Iron .....	34.58	10.48
				<i>For &gt;100 To 250, Deduct</i>	-1.05	
				<i>For &gt;250 To 500, Deduct</i>	-1.91	
				<i>For &gt;500 To 1,000, Deduct</i>	-3.13	
				<i>For &gt;1,000, Deduct</i>	-4.34	
				<i>For Galvanized Steel, Add</i>	12.77	
				<i>For 304 Stainless Steel, Add</i>	58.71	
				<i>For High Strength Steel (HSS), Add</i>	6.92	
<b>05 12 23 00-0477</b>				<b>1/2" Thick</b> <small>(05 12 23 00-0409)</small>		
05 12 23 00-0478	LF			3" x 3" x 1/2" Thick, Plain Steel Angle Iron .....	22.42	6.14
				<i>For &gt;100 To 250, Deduct</i>	-0.61	
				<i>For &gt;250 To 500, Deduct</i>	-1.17	
				<i>For &gt;500 To 1,000, Deduct</i>	-1.94	
				<i>For &gt;1,000, Deduct</i>	-2.70	
				<i>For Galvanized Steel, Add</i>	8.83	
				<i>For 304 Stainless Steel, Add</i>	40.58	
				<i>For High Strength Steel (HSS), Add</i>	4.48	
05 12 23 00-0479	LF			4" x 3" x 1/2" Thick, Plain Steel Angle Iron .....	26.49	7.25
				<i>For &gt;100 To 250, Deduct</i>	-0.73	
				<i>For &gt;250 To 500, Deduct</i>	-1.39	
				<i>For &gt;500 To 1,000, Deduct</i>	-2.29	
				<i>For &gt;1,000, Deduct</i>	-3.20	
				<i>For Galvanized Steel, Add</i>	10.43	
				<i>For 304 Stainless Steel, Add</i>	47.94	
				<i>For High Strength Steel (HSS), Add</i>	5.30	
05 12 23 00-0480	LF			4" x 3-1/2" x 1/2" Thick, Plain Steel Angle Iron .....	28.38	7.77
				<i>For &gt;100 To 250, Deduct</i>	-0.78	
				<i>For &gt;250 To 500, Deduct</i>	-1.49	
				<i>For &gt;500 To 1,000, Deduct</i>	-2.45	
				<i>For &gt;1,000, Deduct</i>	-3.42	
				<i>For Galvanized Steel, Add</i>	11.18	
				<i>For 304 Stainless Steel, Add</i>	51.39	
				<i>For High Strength Steel (HSS), Add</i>	5.68	

## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 12 23 00-0481	LF	4" x 4" x 1/2" Thick, Plain Steel Angle Iron.....	30.54	8.36
		<i>For &gt;100 To 250, Deduct</i>	-0.84	
		<i>For &gt;250 To 500, Deduct</i>	-1.60	
		<i>For &gt;500 To 1,000, Deduct</i>	-2.64	
		<i>For &gt;1,000, Deduct</i>	-3.68	
		<i>For Galvanized Steel, Add</i>	12.03	
		<i>For 304 Stainless Steel, Add</i>	55.29	
		<i>For High Strength Steel (HSS), Add</i>	6.11	
05 12 23 00-0482	LF	5" x 3" x 1/2" Thick, Plain Steel Angle Iron.....	30.54	8.36
		<i>For &gt;100 To 250, Deduct</i>	-0.84	
		<i>For &gt;250 To 500, Deduct</i>	-1.60	
		<i>For &gt;500 To 1,000, Deduct</i>	-2.64	
		<i>For &gt;1,000, Deduct</i>	-3.68	
		<i>For Galvanized Steel, Add</i>	12.03	
		<i>For 304 Stainless Steel, Add</i>	55.29	
		<i>For High Strength Steel (HSS), Add</i>	6.11	
05 12 23 00-0483	LF	5" x 3-1/2" x 1/2" Thick, Plain Steel Angle Iron .....	32.44	8.88
		<i>For &gt;100 To 250, Deduct</i>	-0.89	
		<i>For &gt;250 To 500, Deduct</i>	-1.70	
		<i>For &gt;500 To 1,000, Deduct</i>	-2.81	
		<i>For &gt;1,000, Deduct</i>	-3.91	
		<i>For Galvanized Steel, Add</i>	12.78	
		<i>For 304 Stainless Steel, Add</i>	58.74	
		<i>For High Strength Steel (HSS), Add</i>	6.49	
05 12 23 00-0484	LF	5" x 5" x 1/2" Thick, Plain Steel Angle Iron.....	38.65	10.57
		<i>For &gt;100 To 250, Deduct</i>	-1.06	
		<i>For &gt;250 To 500, Deduct</i>	-2.02	
		<i>For &gt;500 To 1,000, Deduct</i>	-3.34	
		<i>For &gt;1,000, Deduct</i>	-4.66	
		<i>For Galvanized Steel, Add</i>	15.22	
		<i>For 304 Stainless Steel, Add</i>	69.97	
		<i>For High Strength Steel (HSS), Add</i>	7.73	
05 12 23 00-0485	LF	6" x 4" x 1/2" Thick, Plain Steel Angle Iron.....	38.65	10.57
		<i>For &gt;100 To 250, Deduct</i>	-1.06	
		<i>For &gt;250 To 500, Deduct</i>	-2.02	
		<i>For &gt;500 To 1,000, Deduct</i>	-3.34	
		<i>For &gt;1,000, Deduct</i>	-4.66	
		<i>For Galvanized Steel, Add</i>	15.22	
		<i>For 304 Stainless Steel, Add</i>	69.97	
		<i>For High Strength Steel (HSS), Add</i>	7.73	
05 12 23 00-0486	LF	6" x 6" x 1/2" Thick, Plain Steel Angle Iron.....	46.75	12.79
		<i>For &gt;100 To 250, Deduct</i>	-1.28	
		<i>For &gt;250 To 500, Deduct</i>	-2.45	
		<i>For &gt;500 To 1,000, Deduct</i>	-4.04	
		<i>For &gt;1,000, Deduct</i>	-5.64	
		<i>For Galvanized Steel, Add</i>	18.41	
		<i>For 304 Stainless Steel, Add</i>	84.62	
		<i>For High Strength Steel (HSS), Add</i>	9.35	
05 12 23 00-0487	LF	7" x 4" x 1/2" Thick, Plain Steel Angle Iron.....	42.68	11.68
		<i>For &gt;100 To 250, Deduct</i>	-1.17	
		<i>For &gt;250 To 500, Deduct</i>	-2.23	
		<i>For &gt;500 To 1,000, Deduct</i>	-3.69	
		<i>For &gt;1,000, Deduct</i>	-5.15	
		<i>For Galvanized Steel, Add</i>	16.81	
		<i>For 304 Stainless Steel, Add</i>	77.26	
		<i>For High Strength Steel (HSS), Add</i>	8.54	
05 12 23 00-0488	LF	8" x 4" x 1/2" Thick, Plain Steel Angle Iron.....	46.75	12.79
		<i>For &gt;100 To 250, Deduct</i>	-1.28	
		<i>For &gt;250 To 500, Deduct</i>	-2.45	
		<i>For &gt;500 To 1,000, Deduct</i>	-4.04	
		<i>For &gt;1,000, Deduct</i>	-5.64	
		<i>For Galvanized Steel, Add</i>	18.41	
		<i>For 304 Stainless Steel, Add</i>	84.62	
		<i>For High Strength Steel (HSS), Add</i>	9.35	
05 12 23 00-0489	LF	8" x 6" x 1/2" Thick, Plain Steel Angle Iron.....	54.88	15.02
		<i>For &gt;100 To 250, Deduct</i>	-1.50	
		<i>For &gt;250 To 500, Deduct</i>	-2.87	
		<i>For &gt;500 To 1,000, Deduct</i>	-4.75	
		<i>For &gt;1,000, Deduct</i>	-6.62	
		<i>For Galvanized Steel, Add</i>	21.61	
		<i>For 304 Stainless Steel, Add</i>	99.35	
		<i>For High Strength Steel (HSS), Add</i>	10.98	
05 12 23 00-0490	LF	8" x 8" x 1/2" Thick, Plain Steel Angle Iron.....	62.98	17.24
		<i>For &gt;100 To 250, Deduct</i>	-1.72	
		<i>For &gt;250 To 500, Deduct</i>	-3.30	
		<i>For &gt;500 To 1,000, Deduct</i>	-5.45	
		<i>For &gt;1,000, Deduct</i>	-7.60	
		<i>For Galvanized Steel, Add</i>	24.80	
		<i>For 304 Stainless Steel, Add</i>	114.00	
		<i>For High Strength Steel (HSS), Add</i>	12.60	
05 12 23 00-0491		<b>5/8" Thick</b> (05 12 23 00-0409)		
05 12 23 00-0492	LF	4" x 4" x 5/8" Thick, Plain Steel Angle Iron.....	36.56	9.58
		<i>For &gt;100 To 250, Deduct</i>	-0.96	
		<i>For &gt;250 To 500, Deduct</i>	-1.87	
		<i>For &gt;500 To 1,000, Deduct</i>	-3.11	
		<i>For &gt;1,000, Deduct</i>	-4.34	
		<i>For Galvanized Steel, Add</i>	14.75	
		<i>For High Strength Steel (HSS), Add</i>	7.31	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0493	LF			5" x 3-1/2" x 5/8" Thick, Plain Steel Angle Iron .....	39.13	10.25
				For >100 To 250, Deduct	-1.03	
				For >250 To 500, Deduct	-2.00	
				For >500 To 1,000, Deduct	-3.32	
				For >1,000, Deduct	-4.64	
				For Galvanized Steel, Add	15.79	
				For High Strength Steel (HSS), Add	7.83	
05 12 23 00-0494	LF			5" x 5" x 5/8" Thick, Plain Steel Angle Iron .....	46.57	12.20
				For >100 To 250, Deduct	-1.22	
				For >250 To 500, Deduct	-2.38	
				For >500 To 1,000, Deduct	-3.96	
				For >1,000, Deduct	-5.53	
				For Galvanized Steel, Add	18.79	
				For High Strength Steel (HSS), Add	9.31	
05 12 23 00-0495	LF			6" x 4" x 5/8" Thick, Plain Steel Angle Iron .....	46.57	12.20
				For >100 To 250, Deduct	-1.22	
				For >250 To 500, Deduct	-2.38	
				For >500 To 1,000, Deduct	-3.96	
				For >1,000, Deduct	-5.53	
				For Galvanized Steel, Add	18.79	
				For High Strength Steel (HSS), Add	9.31	
05 12 23 00-0496	LF			6" x 6" x 5/8" Thick, Plain Steel Angle Iron .....	56.36	14.77
				For >100 To 250, Deduct	-1.48	
				For >250 To 500, Deduct	-2.89	
				For >500 To 1,000, Deduct	-4.79	
				For >1,000, Deduct	-6.69	
				For Galvanized Steel, Add	22.74	
				For High Strength Steel (HSS), Add	11.27	
05 12 23 00-0497	LF			7" x 4" x 5/8" Thick, Plain Steel Angle Iron .....	51.45	13.49
				For >100 To 250, Deduct	-1.35	
				For >250 To 500, Deduct	-2.63	
				For >500 To 1,000, Deduct	-4.37	
				For >1,000, Deduct	-6.11	
				For Galvanized Steel, Add	20.76	
				For High Strength Steel (HSS), Add	10.29	
05 12 23 00-0498	LF			8" x 6" x 5/8" Thick, Plain Steel Angle Iron .....	66.36	17.39
				For >100 To 250, Deduct	-1.74	
				For >250 To 500, Deduct	-3.40	
				For >500 To 1,000, Deduct	-5.64	
				For >1,000, Deduct	-7.87	
				For Galvanized Steel, Add	26.77	
				For High Strength Steel (HSS), Add	13.27	
05 12 23 00-0499	LF			8" x 8" x 5/8" Thick, Plain Steel Angle Iron .....	76.15	19.95
				For >100 To 250, Deduct	-2.00	
				For >250 To 500, Deduct	-3.90	
				For >500 To 1,000, Deduct	-6.47	
				For >1,000, Deduct	-9.04	
				For Galvanized Steel, Add	30.72	
				For High Strength Steel (HSS), Add	15.23	
<b>05 12 23 00-0500</b>				<b>3/4" Thick (05 12 23 00-0499)</b>		
05 12 23 00-0501	LF			4" x 4" x 3/4" Thick, Plain Steel Angle Iron .....	42.15	10.58
				For >100 To 250, Deduct	-1.06	
				For >250 To 500, Deduct	-2.11	
				For >500 To 1,000, Deduct	-3.52	
				For >1,000, Deduct	-4.93	
				For Galvanized Steel, Add	17.38	
				For High Strength Steel (HSS), Add	8.43	
05 12 23 00-0502	LF			5" x 3-1/2" x 3/4" Thick, Plain Steel Angle Iron .....	45.10	11.33
				For >100 To 250, Deduct	-1.13	
				For >250 To 500, Deduct	-2.26	
				For >500 To 1,000, Deduct	-3.77	
				For >1,000, Deduct	-5.27	
				For Galvanized Steel, Add	18.60	
				For High Strength Steel (HSS), Add	9.02	
05 12 23 00-0503	LF			5" x 5" x 3/4" Thick, Plain Steel Angle Iron .....	53.75	13.51
				For >100 To 250, Deduct	-1.35	
				For >250 To 500, Deduct	-2.69	
				For >500 To 1,000, Deduct	-4.49	
				For >1,000, Deduct	-6.28	
				For Galvanized Steel, Add	22.17	
				For High Strength Steel (HSS), Add	10.75	
05 12 23 00-0504	LF			6" x 4" x 3/4" Thick, Plain Steel Angle Iron .....	53.75	13.51
				For >100 To 250, Deduct	-1.35	
				For >250 To 500, Deduct	-2.69	
				For >500 To 1,000, Deduct	-4.49	
				For >1,000, Deduct	-6.28	
				For Galvanized Steel, Add	22.17	
				For High Strength Steel (HSS), Add	10.75	
05 12 23 00-0505	LF			6" x 6" x 3/4" Thick, Plain Steel Angle Iron .....	65.37	16.41
				For >100 To 250, Deduct	-1.64	
				For >250 To 500, Deduct	-3.28	
				For >500 To 1,000, Deduct	-5.46	
				For >1,000, Deduct	-7.64	
				For Galvanized Steel, Add	26.96	
				For High Strength Steel (HSS), Add	13.07	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

05 12 23 00-0506	LF	7" x 4" x 3/4" Thick, Plain Steel Angle Iron.....	59.67	14.99
		<i>For &gt;100 To 250, Deduct</i>	-1.50	
		<i>For &gt;250 To 500, Deduct</i>	-2.99	
		<i>For &gt;500 To 1,000, Deduct</i>	-4.98	
		<i>For &gt;1,000, Deduct</i>	-6.97	
		<i>For Galvanized Steel, Add</i>	24.61	
		<i>For High Strength Steel (HSS), Add</i>	11.93	
05 12 23 00-0507	LF	8" x 4" x 3/4" Thick, Plain Steel Angle Iron.....	65.37	16.41
		<i>For &gt;100 To 250, Deduct</i>	-1.64	
		<i>For &gt;250 To 500, Deduct</i>	-3.28	
		<i>For &gt;500 To 1,000, Deduct</i>	-5.46	
		<i>For &gt;1,000, Deduct</i>	-7.64	
		<i>For Galvanized Steel, Add</i>	26.96	
		<i>For High Strength Steel (HSS), Add</i>	13.07	
05 12 23 00-0508	LF	8" x 6" x 3/4" Thick, Plain Steel Angle Iron.....	77.00	19.33
		<i>For &gt;100 To 250, Deduct</i>	-1.93	
		<i>For &gt;250 To 500, Deduct</i>	-3.86	
		<i>For &gt;500 To 1,000, Deduct</i>	-6.43	
		<i>For &gt;1,000, Deduct</i>	-9.00	
		<i>For Galvanized Steel, Add</i>	31.76	
		<i>For High Strength Steel (HSS), Add</i>	15.40	
05 12 23 00-0509	LF	8" x 8" x 3/4" Thick, Plain Steel Angle Iron.....	88.61	22.25
		<i>For &gt;100 To 250, Deduct</i>	-2.22	
		<i>For &gt;250 To 500, Deduct</i>	-4.44	
		<i>For &gt;500 To 1,000, Deduct</i>	-7.40	
		<i>For &gt;1,000, Deduct</i>	-10.35	
		<i>For Galvanized Steel, Add</i>	36.55	
		<i>For High Strength Steel (HSS), Add</i>	17.72	
<b>05 12 23 00-0510</b>		<b>7/8" Thick (05 12 23 00-0409)</b>		
05 12 23 00-0511	LF	5" x 5" x 7/8" Thick, Plain Steel Angle Iron.....	60.56	14.51
		<i>For &gt;100 To 250, Deduct</i>	-1.45	
		<i>For &gt;250 To 500, Deduct</i>	-2.97	
		<i>For &gt;500 To 1,000, Deduct</i>	-4.96	
		<i>For &gt;1,000, Deduct</i>	-6.96	
		<i>For Galvanized Steel, Add</i>	25.54	
		<i>For High Strength Steel (HSS), Add</i>	12.11	
05 12 23 00-0512	LF	6" x 4" x 7/8" Thick, Plain Steel Angle Iron.....	60.56	14.51
		<i>For &gt;100 To 250, Deduct</i>	-1.45	
		<i>For &gt;250 To 500, Deduct</i>	-2.97	
		<i>For &gt;500 To 1,000, Deduct</i>	-4.96	
		<i>For &gt;1,000, Deduct</i>	-6.96	
		<i>For Galvanized Steel, Add</i>	25.54	
		<i>For High Strength Steel (HSS), Add</i>	12.11	
05 12 23 00-0513	LF	6" x 6" x 7/8" Thick, Plain Steel Angle Iron.....	73.72	17.67
		<i>For &gt;100 To 250, Deduct</i>	-1.77	
		<i>For &gt;250 To 500, Deduct</i>	-3.61	
		<i>For &gt;500 To 1,000, Deduct</i>	-6.04	
		<i>For &gt;1,000, Deduct</i>	-8.47	
		<i>For Galvanized Steel, Add</i>	31.10	
		<i>For High Strength Steel (HSS), Add</i>	14.74	
05 12 23 00-0514	LF	8" x 6" x 7/8" Thick, Plain Steel Angle Iron.....	87.08	20.87
		<i>For &gt;100 To 250, Deduct</i>	-2.09	
		<i>For &gt;250 To 500, Deduct</i>	-4.26	
		<i>For &gt;500 To 1,000, Deduct</i>	-7.14	
		<i>For &gt;1,000, Deduct</i>	-10.01	
		<i>For Galvanized Steel, Add</i>	36.74	
		<i>For High Strength Steel (HSS), Add</i>	17.42	
05 12 23 00-0515	LF	8" x 8" x 7/8" Thick, Plain Steel Angle Iron.....	100.20	24.03
		<i>For &gt;100 To 250, Deduct</i>	-2.40	
		<i>For &gt;250 To 500, Deduct</i>	-4.91	
		<i>For &gt;500 To 1,000, Deduct</i>	-8.21	
		<i>For &gt;1,000, Deduct</i>	-11.52	
		<i>For Galvanized Steel, Add</i>	42.27	
		<i>For High Strength Steel (HSS), Add</i>	20.04	
<b>05 12 23 00-0516</b>		<b>Bar Channel (05 12 23 00-0408)</b>		
05 12 23 00-0517	LF	1" x 1/2" x 1/8" Thick Bar Channel.....	4.86	
		<i>For 316 Stainless Steel, Add</i>	5.28	
		<i>For Aluminum, Add</i>	0.30	
		<i>For Galvanized Steel, Add</i>	1.02	
		<i>For 304 Stainless Steel, Add</i>	4.70	
		<i>For High Strength Steel (HSS), Add</i>	0.97	
05 12 23 00-0518	LF	1-1/4" x 1/2" x 1/8" Thick Bar Channel.....	5.47	
		<i>For 316 Stainless Steel, Add</i>	6.34	
		<i>For Aluminum, Add</i>	0.36	
		<i>For Galvanized Steel, Add</i>	1.23	
		<i>For 304 Stainless Steel, Add</i>	5.64	
		<i>For High Strength Steel (HSS), Add</i>	1.09	
05 12 23 00-0519	LF	1-1/2" x 1/2" x 1/8" Thick Bar Channel.....	5.96	
		<i>For 316 Stainless Steel, Add</i>	7.01	
		<i>For Aluminum, Add</i>	0.39	
		<i>For Galvanized Steel, Add</i>	1.36	
		<i>For 304 Stainless Steel, Add</i>	6.24	
		<i>For High Strength Steel (HSS), Add</i>	1.19	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0520	LF			1-1/2" x 3/4" x 1/8" Thick Bar Channel ..... 6.80		
				For 316 Stainless Steel, Add	7.30	
				For Aluminum, Add	0.41	
				For Galvanized Steel, Add	1.41	
				For 304 Stainless Steel, Add	6.50	
				For High Strength Steel (HSS), Add	1.36	
05 12 23 00-0521	LF			2" x 1/2" x 1/8" Thick Bar Channel ..... 7.31		
				For 316 Stainless Steel, Add	8.93	
				For Aluminum, Add	0.50	
				For Galvanized Steel, Add	1.73	
				For 304 Stainless Steel, Add	7.95	
05 12 23 00-0522	LF			2" x 1" x 1/8" Thick Bar Channel ..... 9.57		
				For 316 Stainless Steel, Add	9.98	
				For Aluminum, Add	0.56	
				For Galvanized Steel, Add	1.93	
				For 304 Stainless Steel, Add	8.89	
<b>05 12 23 00-0523</b>				<b>Channels - C</b> <small>(05 12 23 00-0408)</small>		
05 12 23 00-0524	LF			C2 x 1.78 - 2" Wide Channel ..... 7.95		3.98
				For >100 To 250, Deduct	-0.40	
				For >250 To 500, Deduct	-0.60	
				For >500 To 1,000, Deduct	-0.93	
				For >1,000, Deduct	-1.26	
				For 316 Stainless Steel, Add	8.48	
				For Aluminum, Add	0.48	
				For Galvanized Steel, Add	1.64	
				For 304 Stainless Steel, Add	7.55	
05 12 23 00-0525	LF			C3 x 4.1 - 3" Wide Channel ..... 13.83		5.72
				For >100 To 250, Deduct	-0.57	
				For >250 To 500, Deduct	-0.92	
				For >500 To 1,000, Deduct	-1.45	
				For >1,000, Deduct	-1.99	
				For 316 Stainless Steel, Add	19.87	
				For Aluminum, Add	1.12	
				For Galvanized Steel, Add	3.85	
				For 304 Stainless Steel, Add	17.70	
05 12 23 00-0526	LF			C3 x 5 - 3" Wide Channel ..... 16.87		6.98
				For >100 To 250, Deduct	-0.70	
				For >250 To 500, Deduct	-1.12	
				For >500 To 1,000, Deduct	-1.77	
				For >1,000, Deduct	-2.43	
				For 316 Stainless Steel, Add	24.22	
				For Aluminum, Add	1.36	
				For Galvanized Steel, Add	4.69	
				For 304 Stainless Steel, Add	21.57	
05 12 23 00-0527	LF			C3 x 6 - 3" Wide Channel ..... 20.26		8.37
				For >100 To 250, Deduct	-0.84	
				For >250 To 500, Deduct	-1.34	
				For >500 To 1,000, Deduct	-2.13	
				For >1,000, Deduct	-2.92	
				For 316 Stainless Steel, Add	29.09	
				For Aluminum, Add	1.64	
				For Galvanized Steel, Add	5.64	
				For 304 Stainless Steel, Add	25.91	
05 12 23 00-0528	LF			C4 x 5.4 - 4" Wide Channel ..... 17.33		6.86
				For >100 To 250, Deduct	-0.69	
				For >250 To 500, Deduct	-1.12	
				For >500 To 1,000, Deduct	-1.78	
				For >1,000, Deduct	-2.44	
				For 316 Stainless Steel, Add	26.18	
				For Aluminum, Add	1.47	
				For Galvanized Steel, Add	5.07	
				For 304 Stainless Steel, Add	23.31	
05 12 23 00-0529	LF			C4 x 7.25 - 4" Wide Channel ..... 23.27		9.21
				For >100 To 250, Deduct	-0.92	
				For >250 To 500, Deduct	-1.50	
				For >500 To 1,000, Deduct	-2.39	
				For >1,000, Deduct	-3.28	
				For 316 Stainless Steel, Add	35.14	
				For Aluminum, Add	1.98	
				For Galvanized Steel, Add	6.81	
				For 304 Stainless Steel, Add	31.29	
05 12 23 00-0530	LF			C5 x 6.7 - 5" Wide Channel ..... 20.82		8.00
				For >100 To 250, Deduct	-0.80	
				For >250 To 500, Deduct	-1.32	
				For >500 To 1,000, Deduct	-2.11	
				For >1,000, Deduct	-2.90	
				For 316 Stainless Steel, Add	32.48	
				For Aluminum, Add	1.83	
				For Galvanized Steel, Add	6.29	
				For 304 Stainless Steel, Add	28.93	
05 12 23 00-0531	LF			C5 x 9 - 5" Wide Channel ..... 27.96		10.75
				For >100 To 250, Deduct	-1.07	
				For >250 To 500, Deduct	-1.77	
				For >500 To 1,000, Deduct	-2.83	
				For >1,000, Deduct	-3.89	
				For 316 Stainless Steel, Add	43.62	
				For Aluminum, Add	2.45	
				For Galvanized Steel, Add	8.45	
				For 304 Stainless Steel, Add	38.85	

## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0532	LF		C6 x 8.2 - 6" Wide Channel.....	25.23	9.61
			For >100 To 250, Deduct	-0.96	
			For >250 To 500, Deduct	-1.59	
			For >500 To 1,000, Deduct	-2.54	
			For >1,000, Deduct	-3.49	
			For 316 Stainless Steel, Add	39.74	
			For Aluminum, Add	2.24	
			For Galvanized Steel, Add	7.70	
			For 304 Stainless Steel, Add	35.40	
05 12 23 00-0533	LF		C6 x 10.5 - 6" Wide Channel.....	32.31	12.31
			For >100 To 250, Deduct	-1.23	
			For >250 To 500, Deduct	-2.04	
			For >500 To 1,000, Deduct	-3.26	
			For >1,000, Deduct	-4.47	
			For 316 Stainless Steel, Add	50.91	
			For Aluminum, Add	2.86	
			For Galvanized Steel, Add	9.86	
			For 304 Stainless Steel, Add	45.34	
05 12 23 00-0534	LF		C6 x 13 - 6" Wide Channel.....	40.00	15.23
			For >100 To 250, Deduct	-1.52	
			For >250 To 500, Deduct	-2.52	
			For >500 To 1,000, Deduct	-4.03	
			For >1,000, Deduct	-5.54	
			For 316 Stainless Steel, Add	63.01	
			For Aluminum, Add	3.54	
			For Galvanized Steel, Add	12.21	
			For 304 Stainless Steel, Add	56.12	
05 12 23 00-0535	LF		C7 x 9.8 - 7" Wide Channel.....	30.10	11.44
			For >100 To 250, Deduct	-1.14	
			For >250 To 500, Deduct	-1.90	
			For >500 To 1,000, Deduct	-3.03	
			For >1,000, Deduct	-4.16	
			For 316 Stainless Steel, Add	47.52	
			For Aluminum, Add	2.67	
			For Galvanized Steel, Add	9.21	
			For 304 Stainless Steel, Add	42.32	
05 12 23 00-0536	LF		C7 x 12.25 - 7" Wide Channel.....	37.62	14.29
			For >100 To 250, Deduct	-1.43	
			For >250 To 500, Deduct	-2.37	
			For >500 To 1,000, Deduct	-3.79	
			For >1,000, Deduct	-5.20	
			For 316 Stainless Steel, Add	59.39	
			For Aluminum, Add	3.34	
			For Galvanized Steel, Add	11.51	
			For 304 Stainless Steel, Add	52.90	
05 12 23 00-0537	LF		C7 x 14.75 - 7" Wide Channel.....	45.31	17.22
			For >100 To 250, Deduct	-1.72	
			For >250 To 500, Deduct	-2.85	
			For >500 To 1,000, Deduct	-4.56	
			For >1,000, Deduct	-6.27	
			For 316 Stainless Steel, Add	71.52	
			For Aluminum, Add	4.02	
			For Galvanized Steel, Add	13.86	
			For 304 Stainless Steel, Add	63.70	
05 12 23 00-0538	LF		C8 x 11.5 - 8" Wide Channel.....	34.20	12.58
			For >100 To 250, Deduct	-1.26	
			For >250 To 500, Deduct	-2.11	
			For >500 To 1,000, Deduct	-3.39	
			For >1,000, Deduct	-4.66	
			For 316 Stainless Steel, Add	55.74	
			For Aluminum, Add	3.14	
			For Galvanized Steel, Add	10.80	
			For 304 Stainless Steel, Add	49.65	
05 12 23 00-0539	LF		C8 x 13.75 - 8" Wide Channel.....	40.89	15.05
			For >100 To 250, Deduct	-1.50	
			For >250 To 500, Deduct	-2.53	
			For >500 To 1,000, Deduct	-4.05	
			For >1,000, Deduct	-5.57	
			For 316 Stainless Steel, Add	66.66	
			For Aluminum, Add	3.75	
			For Galvanized Steel, Add	12.91	
			For 304 Stainless Steel, Add	59.37	
05 12 23 00-0540	LF		C8 x 18.75 - 8" Wide Channel.....	55.76	20.52
			For >100 To 250, Deduct	-2.05	
			For >250 To 500, Deduct	-3.45	
			For >500 To 1,000, Deduct	-5.52	
			For >1,000, Deduct	-7.60	
			For 316 Stainless Steel, Add	90.91	
			For Aluminum, Add	5.11	
			For Galvanized Steel, Add	17.61	
			For 304 Stainless Steel, Add	80.97	
05 12 23 00-0541	LF		C9 x 13.4 - 9" Wide Channel.....	39.85	14.67
			For >100 To 250, Deduct	-1.47	
			For >250 To 500, Deduct	-2.46	
			For >500 To 1,000, Deduct	-3.95	
			For >1,000, Deduct	-5.43	
			For 316 Stainless Steel, Add	64.96	
			For Aluminum, Add	3.65	
			For Galvanized Steel, Add	12.59	
			For 304 Stainless Steel, Add	57.86	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0542	LF			C9 x 15 - 9" Wide Channel .....	44.60	16.41
				For >100 To 250, Deduct	-1.64	
				For >250 To 500, Deduct	-2.76	
				For >500 To 1,000, Deduct	-4.42	
				For >1,000, Deduct	-6.08	
				For 316 Stainless Steel, Add	72.70	
				For Aluminum, Add	4.09	
				For Galvanized Steel, Add	14.09	
				For 304 Stainless Steel, Add	64.75	
05 12 23 00-0543	LF			C9 x 20 - 9" Wide Channel .....	59.48	21.88
				For >100 To 250, Deduct	-2.19	
				For >250 To 500, Deduct	-3.68	
				For >500 To 1,000, Deduct	-5.89	
				For >1,000, Deduct	-8.11	
				For 316 Stainless Steel, Add	96.96	
				For Aluminum, Add	5.45	
				For Galvanized Steel, Add	18.79	
				For 304 Stainless Steel, Add	86.36	
05 12 23 00-0544	LF			C10 x 15.3 - 10" Wide Channel .....	45.50	16.73
				For >100 To 250, Deduct	-1.67	
				For >250 To 500, Deduct	-2.81	
				For >500 To 1,000, Deduct	-4.51	
				For >1,000, Deduct	-6.20	
				For 316 Stainless Steel, Add	74.18	
				For Aluminum, Add	4.17	
				For Galvanized Steel, Add	14.37	
				For 304 Stainless Steel, Add	66.06	
05 12 23 00-0545	LF			C10 x 20 - 10" Wide Channel .....	59.48	21.88
				For >100 To 250, Deduct	-2.19	
				For >250 To 500, Deduct	-3.68	
				For >500 To 1,000, Deduct	-5.89	
				For >1,000, Deduct	-8.11	
				For 316 Stainless Steel, Add	96.96	
				For Aluminum, Add	5.45	
				For Galvanized Steel, Add	18.79	
				For 304 Stainless Steel, Add	86.36	
05 12 23 00-0546	LF			C10 x 25 - 10" Wide Channel .....	74.34	27.35
				For >100 To 250, Deduct	-2.74	
				For >250 To 500, Deduct	-4.59	
				For >500 To 1,000, Deduct	-7.36	
				For >1,000, Deduct	-10.13	
				For 316 Stainless Steel, Add	121.18	
				For Aluminum, Add	6.82	
				For Galvanized Steel, Add	23.48	
				For 304 Stainless Steel, Add	107.93	
05 12 23 00-0547	LF			C10 x 30 - 10" Wide Channel .....	89.21	32.82
				For >100 To 250, Deduct	-3.28	
				For >250 To 500, Deduct	-5.51	
				For >500 To 1,000, Deduct	-8.84	
				For >1,000, Deduct	-12.16	
				For 316 Stainless Steel, Add	145.44	
				For Aluminum, Add	8.18	
				For Galvanized Steel, Add	28.18	
				For 304 Stainless Steel, Add	129.53	
05 12 23 00-0548	LF			C12 x 20.7 - 12" Wide Channel .....	61.56	22.65
				For >100 To 250, Deduct	-2.27	
				For >250 To 500, Deduct	-3.80	
				For >500 To 1,000, Deduct	-6.10	
				For >1,000, Deduct	-8.39	
				For 316 Stainless Steel, Add	100.35	
				For Aluminum, Add	5.64	
				For Galvanized Steel, Add	19.44	
				For 304 Stainless Steel, Add	89.38	
05 12 23 00-0549	LF			C12 x 25 - 12" Wide Channel .....	74.34	27.35
				For >100 To 250, Deduct	-2.74	
				For >250 To 500, Deduct	-4.59	
				For >500 To 1,000, Deduct	-7.36	
				For >1,000, Deduct	-10.13	
				For 316 Stainless Steel, Add	121.18	
				For Aluminum, Add	6.82	
				For Galvanized Steel, Add	23.48	
				For 304 Stainless Steel, Add	107.93	
05 12 23 00-0550	LF			C12 x 30 - 12" Wide Channel .....	89.21	32.82
				For >100 To 250, Deduct	-3.28	
				For >250 To 500, Deduct	-5.51	
				For >500 To 1,000, Deduct	-8.84	
				For >1,000, Deduct	-12.16	
				For 316 Stainless Steel, Add	145.44	
				For Aluminum, Add	8.18	
				For Galvanized Steel, Add	28.18	
				For 304 Stainless Steel, Add	129.53	
05 12 23 00-0551	LF			C15 x 33.9 - 15" Wide Channel .....	100.81	37.09
				For >100 To 250, Deduct	-3.71	
				For >250 To 500, Deduct	-6.23	
				For >500 To 1,000, Deduct	-9.99	
				For >1,000, Deduct	-13.74	
				For 316 Stainless Steel, Add	164.35	
				For Aluminum, Add	9.24	
				For Galvanized Steel, Add	31.84	
				For 304 Stainless Steel, Add	146.38	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 12 23 00-0552	LF	C15 x 40 - 15" Wide Channel.....	118.95	43.76
		<i>For &gt;100 To 250, Deduct</i>	-4.38	
		<i>For &gt;250 To 500, Deduct</i>	-7.35	
		<i>For &gt;500 To 1,000, Deduct</i>	-11.78	
		<i>For &gt;1,000, Deduct</i>	-16.22	
		<i>For 316 Stainless Steel, Add</i>	193.92	
		<i>For Aluminum, Add</i>	10.91	
		<i>For Galvanized Steel, Add</i>	37.57	
		<i>For 304 Stainless Steel, Add</i>	172.71	
05 12 23 00-0553	LF	C15 x 50 - 15" Wide Channel.....	148.69	54.70
		<i>For &gt;100 To 250, Deduct</i>	-5.47	
		<i>For &gt;250 To 500, Deduct</i>	-9.19	
		<i>For &gt;500 To 1,000, Deduct</i>	-14.73	
		<i>For &gt;1,000, Deduct</i>	-20.27	
		<i>For 316 Stainless Steel, Add</i>	242.40	
		<i>For Aluminum, Add</i>	13.64	
		<i>For Galvanized Steel, Add</i>	46.97	
		<i>For 304 Stainless Steel, Add</i>	215.89	
<b>05 12 23 00-0554</b>		<b>Miscellaneous Channels - MC</b> <small>(05 12 23 00-0408)</small>		
05 12 23 00-0555	LF	MC6 x 12 - 6" Wide Channel.....	36.93	14.06
		<i>For &gt;100 To 250, Deduct</i>	-1.41	
		<i>For &gt;250 To 500, Deduct</i>	-2.33	
		<i>For &gt;500 To 1,000, Deduct</i>	-3.72	
		<i>For &gt;1,000, Deduct</i>	-5.11	
		<i>For 316 Stainless Steel, Add</i>	58.18	
		<i>For Aluminum, Add</i>	3.27	
		<i>For Galvanized Steel, Add</i>	11.27	
		<i>For 304 Stainless Steel, Add</i>	51.81	
05 12 23 00-0556	LF	MC6 x 15.1 - 6" Wide Channel.....	46.47	17.69
		<i>For &gt;100 To 250, Deduct</i>	-1.77	
		<i>For &gt;250 To 500, Deduct</i>	-2.93	
		<i>For &gt;500 To 1,000, Deduct</i>	-4.68	
		<i>For &gt;1,000, Deduct</i>	-6.43	
		<i>For 316 Stainless Steel, Add</i>	73.22	
		<i>For Aluminum, Add</i>	4.12	
		<i>For Galvanized Steel, Add</i>	14.19	
		<i>For 304 Stainless Steel, Add</i>	65.21	
05 12 23 00-0557	LF	MC6 x 15.3 - 6" Wide Channel.....	47.08	17.92
		<i>For &gt;100 To 250, Deduct</i>	-1.79	
		<i>For &gt;250 To 500, Deduct</i>	-2.97	
		<i>For &gt;500 To 1,000, Deduct</i>	-4.74	
		<i>For &gt;1,000, Deduct</i>	-6.52	
		<i>For 316 Stainless Steel, Add</i>	74.18	
		<i>For Aluminum, Add</i>	4.17	
		<i>For Galvanized Steel, Add</i>	14.37	
		<i>For 304 Stainless Steel, Add</i>	66.06	
05 12 23 00-0558	LF	MC6 x 16.3 - 6" Wide Channel.....	50.16	19.09
		<i>For &gt;100 To 250, Deduct</i>	-1.91	
		<i>For &gt;250 To 500, Deduct</i>	-3.16	
		<i>For &gt;500 To 1,000, Deduct</i>	-5.06	
		<i>For &gt;1,000, Deduct</i>	-6.95	
		<i>For 316 Stainless Steel, Add</i>	79.01	
		<i>For Aluminum, Add</i>	4.44	
		<i>For Galvanized Steel, Add</i>	15.31	
		<i>For 304 Stainless Steel, Add</i>	70.37	
05 12 23 00-0559	LF	MC6 x 18 - 6" Wide Channel.....	55.39	21.09
		<i>For &gt;100 To 250, Deduct</i>	-2.11	
		<i>For &gt;250 To 500, Deduct</i>	-3.49	
		<i>For &gt;500 To 1,000, Deduct</i>	-5.58	
		<i>For &gt;1,000, Deduct</i>	-7.67	
		<i>For 316 Stainless Steel, Add</i>	87.26	
		<i>For Aluminum, Add</i>	4.91	
		<i>For Galvanized Steel, Add</i>	16.91	
		<i>For 304 Stainless Steel, Add</i>	77.72	
05 12 23 00-0560	LF	MC7 x 17.6 - 7" Wide Channel.....	54.05	20.55
		<i>For &gt;100 To 250, Deduct</i>	-2.05	
		<i>For &gt;250 To 500, Deduct</i>	-3.41	
		<i>For &gt;500 To 1,000, Deduct</i>	-5.44	
		<i>For &gt;1,000, Deduct</i>	-7.48	
		<i>For 316 Stainless Steel, Add</i>	85.31	
		<i>For Aluminum, Add</i>	4.80	
		<i>For Galvanized Steel, Add</i>	16.53	
		<i>For 304 Stainless Steel, Add</i>	75.98	
05 12 23 00-0561	LF	MC7 x 19.1 - 7" Wide Channel.....	58.67	22.30
		<i>For &gt;100 To 250, Deduct</i>	-2.23	
		<i>For &gt;250 To 500, Deduct</i>	-3.70	
		<i>For &gt;500 To 1,000, Deduct</i>	-5.91	
		<i>For &gt;1,000, Deduct</i>	-8.12	
		<i>For 316 Stainless Steel, Add</i>	92.61	
		<i>For Aluminum, Add</i>	5.21	
		<i>For Galvanized Steel, Add</i>	17.94	
		<i>For 304 Stainless Steel, Add</i>	82.48	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0562	LF			MC7 x 22.7 - 7" Wide Channel .....	69.72	26.50
				For >100 To 250, Deduct	-2.65	
				For >250 To 500, Deduct	-4.39	
				For >500 To 1,000, Deduct	-7.02	
				For >1,000, Deduct	-9.65	
				For 316 Stainless Steel, Add	110.05	
				For Aluminum, Add	6.19	
				For Galvanized Steel, Add	21.32	
				For 304 Stainless Steel, Add	98.01	
05 12 23 00-0563	LF			MC8 x 8.5 - 8" Wide Channel .....	25.29	9.30
				For >100 To 250, Deduct	-0.93	
				For >250 To 500, Deduct	-1.56	
				For >500 To 1,000, Deduct	-2.51	
				For >1,000, Deduct	-3.45	
				For 316 Stainless Steel, Add	41.22	
				For Aluminum, Add	2.32	
				For Galvanized Steel, Add	7.99	
				For 304 Stainless Steel, Add	36.71	
05 12 23 00-0564	LF			MC8 x 18.7 - 8" Wide Channel .....	55.61	20.46
				For >100 To 250, Deduct	-2.05	
				For >250 To 500, Deduct	-3.44	
				For >500 To 1,000, Deduct	-5.51	
				For >1,000, Deduct	-7.58	
				For 316 Stainless Steel, Add	90.66	
				For Aluminum, Add	5.10	
				For Galvanized Steel, Add	17.56	
				For 304 Stainless Steel, Add	80.74	
05 12 23 00-0565	LF			MC8 x 20 - 8" Wide Channel .....	59.48	21.88
				For >100 To 250, Deduct	-2.19	
				For >250 To 500, Deduct	-3.68	
				For >500 To 1,000, Deduct	-5.89	
				For >1,000, Deduct	-8.11	
				For 316 Stainless Steel, Add	96.96	
				For Aluminum, Add	5.45	
				For Galvanized Steel, Add	18.79	
				For 304 Stainless Steel, Add	86.36	
05 12 23 00-0566	LF			MC8 x 21.4 - 8" Wide Channel .....	63.65	23.42
				For >100 To 250, Deduct	-2.34	
				For >250 To 500, Deduct	-3.93	
				For >500 To 1,000, Deduct	-6.31	
				For >1,000, Deduct	-8.68	
				For 316 Stainless Steel, Add	103.74	
				For Aluminum, Add	5.84	
				For Galvanized Steel, Add	20.10	
				For 304 Stainless Steel, Add	92.40	
05 12 23 00-0567	LF			MC8 x 22.8 - 8" Wide Channel .....	67.79	24.95
				For >100 To 250, Deduct	-2.49	
				For >250 To 500, Deduct	-4.19	
				For >500 To 1,000, Deduct	-6.71	
				For >1,000, Deduct	-9.24	
				For 316 Stainless Steel, Add	110.53	
				For Aluminum, Add	6.22	
				For Galvanized Steel, Add	21.41	
				For 304 Stainless Steel, Add	98.44	
05 12 23 00-0568	LF			MC9 x 23.9 - 9" Wide Channel .....	71.08	26.15
				For >100 To 250, Deduct	-2.62	
				For >250 To 500, Deduct	-4.39	
				For >500 To 1,000, Deduct	-7.04	
				For >1,000, Deduct	-9.69	
				For 316 Stainless Steel, Add	115.87	
				For Aluminum, Add	6.52	
				For Galvanized Steel, Add	22.45	
				For 304 Stainless Steel, Add	103.20	
05 12 23 00-0569	LF			MC9 x 25.4 - 9" Wide Channel .....	75.53	27.79
				For >100 To 250, Deduct	-2.78	
				For >250 To 500, Deduct	-4.67	
				For >500 To 1,000, Deduct	-7.48	
				For >1,000, Deduct	-10.30	
				For 316 Stainless Steel, Add	123.14	
				For Aluminum, Add	6.93	
				For Galvanized Steel, Add	23.86	
				For 304 Stainless Steel, Add	109.67	
05 12 23 00-0570	LF			MC10 x 6.5 - 10" Wide Channel.....	19.34	7.11
				For >100 To 250, Deduct	-0.71	
				For >250 To 500, Deduct	-1.20	
				For >500 To 1,000, Deduct	-1.92	
				For >1,000, Deduct	-2.64	
				For 316 Stainless Steel, Add	31.52	
				For Aluminum, Add	1.77	
				For Galvanized Steel, Add	6.11	
				For 304 Stainless Steel, Add	28.07	
05 12 23 00-0571	LF			MC10 x 8.4 - 10" Wide Channel.....	24.98	9.19
				For >100 To 250, Deduct	-0.92	
				For >250 To 500, Deduct	-1.54	
				For >500 To 1,000, Deduct	-2.47	
				For >1,000, Deduct	-3.40	
				For 316 Stainless Steel, Add	40.74	
				For Aluminum, Add	2.29	
				For Galvanized Steel, Add	7.89	
				For 304 Stainless Steel, Add	36.28	

## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0572	LF		MC10 x 21.9 - 10" Wide Channel.....	65.12	23.97
			For >100 To 250, Deduct	-2.40	
			For >250 To 500, Deduct	-4.02	
			For >500 To 1,000, Deduct	-6.45	
			For >1,000, Deduct	-8.88	
			For 316 Stainless Steel, Add	106.18	
			For Aluminum, Add	5.97	
			For Galvanized Steel, Add	20.57	
			For 304 Stainless Steel, Add	94.56	
05 12 23 00-0573	LF		MC10 x 24.9 - 10" Wide Channel.....	74.05	27.25
			For >100 To 250, Deduct	-2.72	
			For >250 To 500, Deduct	-4.58	
			For >500 To 1,000, Deduct	-7.34	
			For >1,000, Deduct	-10.10	
			For 316 Stainless Steel, Add	120.70	
			For Aluminum, Add	6.79	
			For Galvanized Steel, Add	23.39	
			For 304 Stainless Steel, Add	107.50	
05 12 23 00-0574	LF		MC10 x 25.3 - 10" Wide Channel.....	75.24	27.69
			For >100 To 250, Deduct	-2.77	
			For >250 To 500, Deduct	-4.65	
			For >500 To 1,000, Deduct	-7.45	
			For >1,000, Deduct	-10.26	
			For 316 Stainless Steel, Add	122.66	
			For Aluminum, Add	6.90	
			For Galvanized Steel, Add	23.76	
			For 304 Stainless Steel, Add	109.24	
05 12 23 00-0575	LF		MC10 x 28.3 - 10" Wide Channel.....	84.16	30.96
			For >100 To 250, Deduct	-3.10	
			For >250 To 500, Deduct	-5.20	
			For >500 To 1,000, Deduct	-8.34	
			For >1,000, Deduct	-11.47	
			For 316 Stainless Steel, Add	137.18	
			For Aluminum, Add	7.72	
			For Galvanized Steel, Add	26.58	
			For 304 Stainless Steel, Add	122.18	
05 12 23 00-0576	LF		MC10 x 28.5 - 10" Wide Channel.....	84.76	31.19
			For >100 To 250, Deduct	-3.12	
			For >250 To 500, Deduct	-5.24	
			For >500 To 1,000, Deduct	-8.40	
			For >1,000, Deduct	-11.55	
			For 316 Stainless Steel, Add	138.18	
			For Aluminum, Add	7.77	
			For Galvanized Steel, Add	26.77	
			For 304 Stainless Steel, Add	123.06	
05 12 23 00-0577	LF		MC10 x 33.6 - 10" Wide Channel.....	99.92	36.76
			For >100 To 250, Deduct	-3.68	
			For >250 To 500, Deduct	-6.17	
			For >500 To 1,000, Deduct	-9.90	
			For >1,000, Deduct	-13.62	
			For 316 Stainless Steel, Add	162.88	
			For Aluminum, Add	9.16	
			For Galvanized Steel, Add	31.56	
			For 304 Stainless Steel, Add	145.07	
05 12 23 00-0578	LF		MC10 x 41.1 - 10" Wide Channel.....	122.22	44.97
			For >100 To 250, Deduct	-4.50	
			For >250 To 500, Deduct	-7.55	
			For >500 To 1,000, Deduct	-12.11	
			For >1,000, Deduct	-16.66	
			For 316 Stainless Steel, Add	199.26	
			For Aluminum, Add	11.21	
			For Galvanized Steel, Add	38.61	
			For 304 Stainless Steel, Add	177.47	
05 12 23 00-0579	LF		MC12 x 30.9 - 12" Wide Channel.....	91.90	33.81
			For >100 To 250, Deduct	-3.38	
			For >250 To 500, Deduct	-5.68	
			For >500 To 1,000, Deduct	-9.10	
			For >1,000, Deduct	-12.53	
			For 316 Stainless Steel, Add	149.79	
			For Aluminum, Add	8.43	
			For Galvanized Steel, Add	29.02	
			For 304 Stainless Steel, Add	133.41	
05 12 23 00-0580	LF		MC12 x 32.9 - 12" Wide Channel.....	97.84	35.99
			For >100 To 250, Deduct	-3.60	
			For >250 To 500, Deduct	-6.05	
			For >500 To 1,000, Deduct	-9.69	
			For >1,000, Deduct	-13.34	
			For 316 Stainless Steel, Add	159.49	
			For Aluminum, Add	8.97	
			For Galvanized Steel, Add	30.90	
			For 304 Stainless Steel, Add	142.04	
05 12 23 00-0581	LF		MC12 x 35 - 12" Wide Channel.....	104.08	38.29
			For >100 To 250, Deduct	-3.83	
			For >250 To 500, Deduct	-6.43	
			For >500 To 1,000, Deduct	-10.31	
			For >1,000, Deduct	-14.19	
			For 316 Stainless Steel, Add	169.66	
			For Aluminum, Add	9.54	
			For Galvanized Steel, Add	32.87	
			For 304 Stainless Steel, Add	151.11	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0582	LF		MC12 x 37 - 12" Wide Channel .....	110.03	40.49
			For >100 To 250, Deduct	-4.05	
			For >250 To 500, Deduct	-6.80	
			For >500 To 1,000, Deduct	-10.90	
			For >1,000, Deduct	-15.00	
			For 316 Stainless Steel, Add	179.36	
			For Aluminum, Add	10.09	
			For Galvanized Steel, Add	34.75	
			For 304 Stainless Steel, Add	159.74	
05 12 23 00-0583	LF		MC12 x 40 - 12" Wide Channel .....	118.95	43.76
			For >100 To 250, Deduct	-4.38	
			For >250 To 500, Deduct	-7.35	
			For >500 To 1,000, Deduct	-11.78	
			For >1,000, Deduct	-16.22	
			For 316 Stainless Steel, Add	193.92	
			For Aluminum, Add	10.91	
			For Galvanized Steel, Add	37.57	
			For 304 Stainless Steel, Add	172.71	
05 12 23 00-0584	LF		MC12 x 45 - 12" Wide Channel .....	133.82	49.24
			For >100 To 250, Deduct	-4.92	
			For >250 To 500, Deduct	-8.27	
			For >500 To 1,000, Deduct	-13.26	
			For >1,000, Deduct	-18.24	
			For 316 Stainless Steel, Add	218.14	
			For Aluminum, Add	12.27	
			For Galvanized Steel, Add	42.27	
			For 304 Stainless Steel, Add	194.28	
05 12 23 00-0585	LF		MC12 x 50 - 12" Wide Channel .....	148.69	54.71
			For >100 To 250, Deduct	-5.47	
			For >250 To 500, Deduct	-9.19	
			For >500 To 1,000, Deduct	-14.73	
			For >1,000, Deduct	-20.27	
			For 316 Stainless Steel, Add	242.40	
			For Aluminum, Add	13.64	
			For Galvanized Steel, Add	46.97	
			For 304 Stainless Steel, Add	215.89	
05 12 23 00-0586	LF		MC13 x 31.8 - 13" Wide Channel.....	94.58	34.80
			For >100 To 250, Deduct	-3.48	
			For >250 To 500, Deduct	-5.84	
			For >500 To 1,000, Deduct	-9.37	
			For >1,000, Deduct	-12.89	
			For 316 Stainless Steel, Add	154.18	
			For Aluminum, Add	8.67	
			For Galvanized Steel, Add	29.87	
			For 304 Stainless Steel, Add	137.31	
05 12 23 00-0587	LF		MC13 x 35 - 13" Wide Channel .....	104.08	38.29
			For >100 To 250, Deduct	-3.83	
			For >250 To 500, Deduct	-6.43	
			For >500 To 1,000, Deduct	-10.31	
			For >1,000, Deduct	-14.19	
			For 316 Stainless Steel, Add	169.66	
			For Aluminum, Add	9.54	
			For Galvanized Steel, Add	32.87	
			For 304 Stainless Steel, Add	151.11	
05 12 23 00-0588	LF		MC13 x 40 - 13" Wide Channel .....	118.95	43.76
			For >100 To 250, Deduct	-4.38	
			For >250 To 500, Deduct	-7.35	
			For >500 To 1,000, Deduct	-11.78	
			For >1,000, Deduct	-16.22	
			For 316 Stainless Steel, Add	193.92	
			For Aluminum, Add	10.91	
			For Galvanized Steel, Add	37.57	
			For 304 Stainless Steel, Add	172.71	
05 12 23 00-0589	LF		MC13 x 50 - 13" Wide Channel .....	148.69	54.71
			For >100 To 250, Deduct	-5.47	
			For >250 To 500, Deduct	-9.19	
			For >500 To 1,000, Deduct	-14.73	
			For >1,000, Deduct	-20.27	
			For 316 Stainless Steel, Add	242.40	
			For Aluminum, Add	13.64	
			For Galvanized Steel, Add	46.97	
			For 304 Stainless Steel, Add	215.89	
05 12 23 00-0590	LF		MC18 x 42.7 - 18" Wide Channel.....	126.98	46.72
			For >100 To 250, Deduct	-4.67	
			For >250 To 500, Deduct	-7.85	
			For >500 To 1,000, Deduct	-12.58	
			For >1,000, Deduct	-17.31	
			For 316 Stainless Steel, Add	207.01	
			For Aluminum, Add	11.64	
			For Galvanized Steel, Add	40.11	
			For 304 Stainless Steel, Add	184.37	
05 12 23 00-0591	LF		MC18 x 45.8 - 18" Wide Channel.....	136.20	50.12
			For >100 To 250, Deduct	-5.01	
			For >250 To 500, Deduct	-8.42	
			For >500 To 1,000, Deduct	-13.49	
			For >1,000, Deduct	-18.57	
			For 316 Stainless Steel, Add	222.05	
			For Aluminum, Add	12.49	
			For Galvanized Steel, Add	43.02	
			For 304 Stainless Steel, Add	197.76	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 12 23 00-0592	LF MC18 x 51.9 - 18" Wide Channel.....	154.35	56.79
	For >100 To 250, Deduct	-5.68	
	For >250 To 500, Deduct	-9.54	
	For >500 To 1,000, Deduct	-15.29	
	For >1,000, Deduct	-21.04	
	For 316 Stainless Steel, Add	251.62	
	For Aluminum, Add	14.15	
	For Galvanized Steel, Add	48.75	
	For 304 Stainless Steel, Add	224.10	
05 12 23 00-0593	LF MC18 x 58 - 18" Wide Channel.....	172.48	63.45
	For >100 To 250, Deduct	-6.35	
	For >250 To 500, Deduct	-10.66	
	For >500 To 1,000, Deduct	-17.09	
	For >1,000, Deduct	-23.51	
	For 316 Stainless Steel, Add	281.18	
	For Aluminum, Add	15.82	
	For Galvanized Steel, Add	54.48	
	For 304 Stainless Steel, Add	250.43	
<b>05 12 23 00-0594 Structural Bar Tees</b> (05 12 23 00-0408)			
05 12 23 00-0595	LF 3/4" x 3/4" x 1/8" Structural Bar Tee.....	5.11	2.91
	For >100 To 250, Deduct	-0.29	
	For >250 To 500, Deduct	-0.42	
	For >500 To 1,000, Deduct	-0.64	
	For >1,000, Deduct	-0.87	
	For 316 Stainless Steel, Add	3.94	
	For Aluminum, Add	0.22	
	For Galvanized Steel, Add	0.76	
	For 304 Stainless Steel, Add	3.51	
05 12 23 00-0596	LF 1" x 1" x 1/8" Structural Bar Tee .....	6.26	3.43
	For >100 To 250, Deduct	-0.34	
	For >250 To 500, Deduct	-0.50	
	For >500 To 1,000, Deduct	-0.77	
	For >1,000, Deduct	-1.04	
	For 316 Stainless Steel, Add	5.38	
	For Aluminum, Add	0.30	
	For Galvanized Steel, Add	1.04	
	For 304 Stainless Steel, Add	4.79	
05 12 23 00-0597	LF 1-1/2" x 1-1/2" x 1/4" Structural Bar Tee .....	10.08	3.96
	For >100 To 250, Deduct	-0.40	
	For >250 To 500, Deduct	-0.65	
	For >500 To 1,000, Deduct	-1.03	
	For >1,000, Deduct	-1.42	
	For 316 Stainless Steel, Add	15.36	
	For Aluminum, Add	0.86	
	For Galvanized Steel, Add	2.98	
	For 304 Stainless Steel, Add	13.68	
05 12 23 00-0598	LF 2" x 2" x 1/4" Structural Bar Tee .....	14.06	5.18
	For >100 To 250, Deduct	-0.52	
	For >250 To 500, Deduct	-0.87	
	For >500 To 1,000, Deduct	-1.39	
	For >1,000, Deduct	-1.92	
	For 316 Stainless Steel, Add	22.88	
	For Aluminum, Add	1.29	
	For Galvanized Steel, Add	4.43	
	For 304 Stainless Steel, Add	20.38	
05 12 23 00-0599	LF 2-1/2" x 2-1/2" x 3/8" Structural Bar Tee .....	21.19	6.25
	For >100 To 250, Deduct	-0.63	
	For >250 To 500, Deduct	-1.16	
	For >500 To 1,000, Deduct	-1.89	
	For >1,000, Deduct	-2.63	
	For 316 Stainless Steel, Add	41.12	
	For Aluminum, Add	2.31	
	For Galvanized Steel, Add	7.97	
	For 304 Stainless Steel, Add	36.62	
05 12 23 00-0600	LF 3" x 3" x 3/8" Structural Bar Tee .....	26.09	8.00
	For >100 To 250, Deduct	-0.80	
	For >250 To 500, Deduct	-1.45	
	For >500 To 1,000, Deduct	-2.37	
	For >1,000, Deduct	-3.29	
	For 316 Stainless Steel, Add	49.34	
	For Aluminum, Add	2.78	
	For Galvanized Steel, Add	9.56	
	For 304 Stainless Steel, Add	43.95	
<b>05 12 23 00-0601 Structural Zees</b> (05 12 23 00-0408)			
05 12 23 00-0602	LF 1-1/4" x 1-3/4" x 1-3/4" x 3/16" Structural Zee.....	12.44	3.96
	For >100 To 250, Deduct	-0.40	
	For >250 To 500, Deduct	-0.71	
	For >500 To 1,000, Deduct	-1.15	
	For >1,000, Deduct	-1.59	
	For 316 Stainless Steel, Add	22.91	
	For Aluminum, Add	1.29	
	For Galvanized Steel, Add	4.44	
	For 304 Stainless Steel, Add	20.41	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0603	LF			2-11/16" x 3" x 2-11/16" x 1/4" Structural Zee.....	23.44	4.73
				For >100 To 250, Deduct	-0.47	
				For >250 To 500, Deduct	-1.06	
				For >500 To 1,000, Deduct	-1.80	
				For >1,000, Deduct	-2.55	
				For 316 Stainless Steel, Add	54.85	
				For Aluminum, Add	3.09	
				For Galvanized Steel, Add	10.63	
				For 304 Stainless Steel, Add	48.85	
05 12 23 00-0604	LF			3-1/16" x 4" x 3-1/16" x 1/4" Structural Zee.....	28.09	5.34
				For >100 To 250, Deduct	-0.53	
				For >250 To 500, Deduct	-1.24	
				For >500 To 1,000, Deduct	-2.12	
				For >1,000, Deduct	-3.00	
				For 316 Stainless Steel, Add	67.10	
				For Aluminum, Add	3.77	
				For Galvanized Steel, Add	13.00	
				For 304 Stainless Steel, Add	59.76	
05 12 23 00-0605	LF			3-1/4" x 5" x 3-1/4" x 5/16" Structural Zee.....	37.80	6.10
				For >100 To 250, Deduct	-0.61	
				For >250 To 500, Deduct	-1.55	
				For >500 To 1,000, Deduct	-2.70	
				For >1,000, Deduct	-3.85	
				For 316 Stainless Steel, Add	94.94	
				For Aluminum, Add	5.34	
				For Galvanized Steel, Add	18.40	
				For 304 Stainless Steel, Add	84.56	
05 12 23 00-0606	LF			3-1/2" x 6" x 3-1/2" x 3/8" Structural Zee.....	49.01	6.63
				For >100 To 250, Deduct	-0.66	
				For >250 To 500, Deduct	-1.89	
				For >500 To 1,000, Deduct	-3.34	
				For >1,000, Deduct	-4.78	
				For 316 Stainless Steel, Add	128.51	
				For Aluminum, Add	7.23	
				For Galvanized Steel, Add	24.90	
				For 304 Stainless Steel, Add	114.46	
<b>05 12 23 00-0607</b>				<b>Junior I-Beams (05 12 23 00-0408)</b>		
05 12 23 00-0608	LF			3" Junior I-Beam, 2.9 LB/LF.....	17.06	5.72
				For >100 To 250, Deduct	-0.57	
				For >250 To 500, Deduct	-1.00	
				For >500 To 1,000, Deduct	-1.62	
				For >1,000, Deduct	-2.23	
				For 316 Stainless Steel, Add	30.21	
				For Aluminum, Add	1.70	
				For Galvanized Steel, Add	5.85	
				For 304 Stainless Steel, Add	26.90	
05 12 23 00-0609	LF			4" Junior I-Beam, 3.2 LB/LF.....	18.76	6.25
				For >100 To 250, Deduct	-0.63	
				For >250 To 500, Deduct	-1.09	
				For >500 To 1,000, Deduct	-1.77	
				For >1,000, Deduct	-2.45	
				For 316 Stainless Steel, Add	33.34	
				For Aluminum, Add	1.88	
				For Galvanized Steel, Add	6.46	
				For 304 Stainless Steel, Add	29.70	
05 12 23 00-0610	LF			5" Junior I-Beam, 3.8 LB/LF.....	21.52	6.86
				For >100 To 250, Deduct	-0.69	
				For >250 To 500, Deduct	-1.22	
				For >500 To 1,000, Deduct	-1.99	
				For >1,000, Deduct	-2.76	
				For 316 Stainless Steel, Add	39.58	
				For Aluminum, Add	2.23	
				For Galvanized Steel, Add	7.67	
				For 304 Stainless Steel, Add	35.25	
05 12 23 00-0611	LF			6" Junior I-Beam, 4.4 LB/LF.....	24.29	7.47
				For >100 To 250, Deduct	-0.75	
				For >250 To 500, Deduct	-1.36	
				For >500 To 1,000, Deduct	-2.21	
				For >1,000, Deduct	-3.07	
				For 316 Stainless Steel, Add	45.82	
				For Aluminum, Add	2.58	
				For Galvanized Steel, Add	8.88	
				For 304 Stainless Steel, Add	40.81	
05 12 23 00-0612	LF			7" Junior I-Beam, 5.5 LB/LF.....	28.57	8.00
				For >100 To 250, Deduct	-0.80	
				For >250 To 500, Deduct	-1.51	
				For >500 To 1,000, Deduct	-2.50	
				For >1,000, Deduct	-3.48	
				For 316 Stainless Steel, Add	57.28	
				For Aluminum, Add	3.22	
				For Galvanized Steel, Add	11.10	
				For 304 Stainless Steel, Add	51.02	

## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 12 23 00-0613	LF	8" Junior I-Beam, 6.5 LB/LF	32.55	8.54
		<i>For &gt;100 To 250, Deduct</i>	-0.85	
		<i>For &gt;250 To 500, Deduct</i>	-1.67	
		<i>For &gt;500 To 1,000, Deduct</i>	-2.77	
		<i>For &gt;1,000, Deduct</i>	-3.87	
		<i>For 316 Stainless Steel, Add</i>	67.71	
		<i>For Aluminum, Add</i>	3.81	
		<i>For Galvanized Steel, Add</i>	13.12	
		<i>For 304 Stainless Steel, Add</i>	60.31	
05 12 23 00-0614	LF	10" Junior I-Beam, 9 LB/LF	42.31	9.76
		<i>For &gt;100 To 250, Deduct</i>	-0.98	
		<i>For &gt;250 To 500, Deduct</i>	-2.03	
		<i>For &gt;500 To 1,000, Deduct</i>	-3.42	
		<i>For &gt;1,000, Deduct</i>	-4.80	
		<i>For 316 Stainless Steel, Add</i>	93.76	
		<i>For Aluminum, Add</i>	5.27	
		<i>For Galvanized Steel, Add</i>	18.17	
		<i>For 304 Stainless Steel, Add</i>	83.51	
05 12 23 00-0615	LF	12" Junior I-Beam, 11.8 LB/LF	53.86	11.59
		<i>For &gt;100 To 250, Deduct</i>	-1.16	
		<i>For &gt;250 To 500, Deduct</i>	-2.51	
		<i>For &gt;500 To 1,000, Deduct</i>	-4.24	
		<i>For &gt;1,000, Deduct</i>	-5.97	
		<i>For 316 Stainless Steel, Add</i>	122.91	
		<i>For Aluminum, Add</i>	6.91	
		<i>For Galvanized Steel, Add</i>	23.81	
		<i>For 304 Stainless Steel, Add</i>	109.47	

## 05 12 23 00-0616 Round Stock (05 12 23 00-0408)

05 12 23 00-0617	LF	1/4" Carbon Steel Rounds, ASTM A108	2.10	
		<i>For 316 Stainless Steel, Add</i>	3.46	
		<i>For Aluminum, Add</i>	0.19	
		<i>For Galvanized Steel, Add</i>	0.67	
		<i>For 304 Stainless Steel, Add</i>	3.08	
05 12 23 00-0618	LF	3/8" Carbon Steel Rounds, ASTM A108	3.29	
		<i>For 316 Stainless Steel, Add</i>	6.82	
		<i>For Aluminum, Add</i>	0.38	
		<i>For Galvanized Steel, Add</i>	1.32	
		<i>For 304 Stainless Steel, Add</i>	6.07	
05 12 23 00-0619	LF	1/2" Carbon Steel Rounds, ASTM A108	4.52	
		<i>For 316 Stainless Steel, Add</i>	10.40	
		<i>For Aluminum, Add</i>	0.59	
		<i>For Galvanized Steel, Add</i>	2.02	
		<i>For 304 Stainless Steel, Add</i>	9.26	
05 12 23 00-0620	LF	5/8" Carbon Steel Rounds, ASTM A108	6.82	
		<i>For 316 Stainless Steel, Add</i>	17.31	
		<i>For Aluminum, Add</i>	0.97	
		<i>For Galvanized Steel, Add</i>	3.35	
		<i>For 304 Stainless Steel, Add</i>	15.42	
05 12 23 00-0621	LF	3/4" Carbon Steel Rounds, ASTM A108	8.12	
		<i>For 316 Stainless Steel, Add</i>	20.58	
		<i>For Aluminum, Add</i>	1.16	
		<i>For Galvanized Steel, Add</i>	3.99	
		<i>For 304 Stainless Steel, Add</i>	18.33	
05 12 23 00-0622	LF	7/8" Carbon Steel Rounds, ASTM A108	9.47	
		<i>For 316 Stainless Steel, Add</i>	24.03	
		<i>For Aluminum, Add</i>	1.35	
		<i>For Galvanized Steel, Add</i>	4.66	
		<i>For 304 Stainless Steel, Add</i>	21.40	
05 12 23 00-0623	LF	1" Carbon Steel Rounds, ASTM A108	13.76	
		<i>For 316 Stainless Steel, Add</i>	36.64	
		<i>For Aluminum, Add</i>	2.06	
		<i>For Galvanized Steel, Add</i>	7.10	
		<i>For 304 Stainless Steel, Add</i>	32.63	
05 12 23 00-0624	LF	1-1/8" Carbon Steel Rounds, ASTM A108	16.73	
		<i>For 316 Stainless Steel, Add</i>	44.51	
		<i>For Aluminum, Add</i>	2.50	
		<i>For Galvanized Steel, Add</i>	8.62	
		<i>For 304 Stainless Steel, Add</i>	39.64	
05 12 23 00-0625	LF	1-1/4" Carbon Steel Rounds, ASTM A108	20.00	
		<i>For 316 Stainless Steel, Add</i>	52.38	
		<i>For Aluminum, Add</i>	2.95	
		<i>For Galvanized Steel, Add</i>	10.15	
		<i>For 304 Stainless Steel, Add</i>	46.65	
05 12 23 00-0626	LF	1-3/8" Carbon Steel Rounds, ASTM A108	24.21	
		<i>For 316 Stainless Steel, Add</i>	63.94	
		<i>For Aluminum, Add</i>	3.60	
		<i>For Galvanized Steel, Add</i>	12.39	
		<i>For 304 Stainless Steel, Add</i>	56.94	
05 12 23 00-0627	LF	1-1/2" Carbon Steel Rounds, ASTM A108	27.00	
		<i>For 316 Stainless Steel, Add</i>	70.14	
		<i>For Aluminum, Add</i>	3.95	
		<i>For Galvanized Steel, Add</i>	13.59	
		<i>For 304 Stainless Steel, Add</i>	62.47	
05 12 23 00-0628	LF	1-5/8" Carbon Steel Rounds, ASTM A108	31.18	
		<i>For 316 Stainless Steel, Add</i>	79.46	
		<i>For Aluminum, Add</i>	4.47	
		<i>For Galvanized Steel, Add</i>	15.39	
		<i>For 304 Stainless Steel, Add</i>	70.77	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 12 23 00-0629	LF	1-3/4" Carbon Steel Rounds, ASTM A108.....	37.38		
		For 316 Stainless Steel, Add	92.48		
		For Aluminum, Add	5.20		
		For Galvanized Steel, Add	17.92		
		For 304 Stainless Steel, Add	82.37		
05 12 23 00-0630	LF	1-7/8" Carbon Steel Rounds, ASTM A108.....	45.05		
		For 316 Stainless Steel, Add	108.35		
		For Aluminum, Add	6.09		
		For Galvanized Steel, Add	20.99		
		For 304 Stainless Steel, Add	96.50		
05 12 23 00-0631	LF	2" Carbon Steel Rounds, ASTM A108.....	51.51		
		For 316 Stainless Steel, Add	120.51		
		For Aluminum, Add	6.78		
		For Galvanized Steel, Add	23.35		
		For 304 Stainless Steel, Add	107.33		
05 12 23 00-0632	LF	2-1/8" Carbon Steel Rounds, ASTM A108.....	60.22		
		For 316 Stainless Steel, Add	137.63		
		For Aluminum, Add	7.74		
		For Galvanized Steel, Add	26.67		
		For 304 Stainless Steel, Add	122.58		
05 12 23 00-0633	LF	2-1/4" Carbon Steel Rounds, ASTM A108.....	68.14		
		For 316 Stainless Steel, Add	154.75		
		For Aluminum, Add	8.70		
		For Galvanized Steel, Add	29.98		
		For 304 Stainless Steel, Add	137.83		
05 12 23 00-0634	LF	2-3/8" Carbon Steel Rounds, ASTM A108.....	78.05		
		For 316 Stainless Steel, Add	176.99		
		For Aluminum, Add	9.96		
		For Galvanized Steel, Add	34.29		
		For 304 Stainless Steel, Add	157.63		
05 12 23 00-0635	LF	2-1/2" Carbon Steel Rounds, ASTM A108.....	86.31		
		For 316 Stainless Steel, Add	190.75		
		For Aluminum, Add	10.73		
		For Galvanized Steel, Add	36.96		
		For 304 Stainless Steel, Add	169.89		
05 12 23 00-0636	LF	2-5/8" Carbon Steel Rounds, ASTM A108.....	105.39		
		For 316 Stainless Steel, Add	242.30		
		For Aluminum, Add	13.63		
		For Galvanized Steel, Add	46.95		
		For 304 Stainless Steel, Add	215.80		
05 12 23 00-0637	LF	2-3/4" Carbon Steel Rounds, ASTM A108.....	119.98		
		For 316 Stainless Steel, Add	276.32		
		For Aluminum, Add	15.54		
		For Galvanized Steel, Add	53.54		
		For 304 Stainless Steel, Add	246.10		
05 12 23 00-0638	LF	2-7/8" Carbon Steel Rounds, ASTM A108.....	133.81		
		For 316 Stainless Steel, Add	307.90		
		For Aluminum, Add	17.32		
		For Galvanized Steel, Add	59.66		
		For 304 Stainless Steel, Add	274.23		
05 12 23 00-0639	LF	3" Carbon Steel Rounds, ASTM A108.....	140.66		
		For 316 Stainless Steel, Add	317.15		
		For Aluminum, Add	17.84		
		For Galvanized Steel, Add	61.45		
		For 304 Stainless Steel, Add	282.46		
05 12 23 00-0640	LF	3-1/8" Carbon Steel Rounds, ASTM A108.....	146.82		
		For 316 Stainless Steel, Add	324.19		
		For Aluminum, Add	18.24		
		For Galvanized Steel, Add	62.81		
		For 304 Stainless Steel, Add	288.73		
05 12 23 00-0641	LF	3-1/4" Carbon Steel Rounds, ASTM A108.....	154.89		
		For 316 Stainless Steel, Add	337.41		
		For Aluminum, Add	18.98		
		For Galvanized Steel, Add	65.37		
		For 304 Stainless Steel, Add	300.50		
05 12 23 00-0642	LF	3-1/2" Carbon Steel Rounds, ASTM A108.....	188.19		
		For 316 Stainless Steel, Add	428.13		
		For Aluminum, Add	24.08		
		For Galvanized Steel, Add	82.95		
		For 304 Stainless Steel, Add	381.30		
05 12 23 00-0643	LF	3-5/8" Carbon Steel Rounds, ASTM A108.....	209.02		
		For 316 Stainless Steel, Add	478.94		
		For Aluminum, Add	26.94		
		For Galvanized Steel, Add	92.80		
		For 304 Stainless Steel, Add	426.56		
05 12 23 00-0644	LF	3-3/4" Carbon Steel Rounds, ASTM A108.....	224.39		
		For 316 Stainless Steel, Add	512.32		
		For Aluminum, Add	28.82		
		For Galvanized Steel, Add	99.26		
		For 304 Stainless Steel, Add	456.29		
05 12 23 00-0645	LF	4" Carbon Steel Rounds, ASTM A108.....	251.52		
		For 316 Stainless Steel, Add	583.30		
		For Aluminum, Add	32.81		
		For Galvanized Steel, Add	113.01		
		For 304 Stainless Steel, Add	519.50		

05 12 23 00-0646 Square Stock (05 12 23 00-0408)

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 12 23 00-0647	LF 3/8" Square Bar Stock.....	1.88	
	For 316 Stainless Steel, Add	2.30	
	For Aluminum, Add	0.13	
	For Galvanized Steel, Add	0.45	
	For 304 Stainless Steel, Add	2.05	
05 12 23 00-0648	LF 1/2" Square Bar Stock.....	2.55	
	For 316 Stainless Steel, Add	4.10	
	For Aluminum, Add	0.23	
	For Galvanized Steel, Add	0.79	
	For 304 Stainless Steel, Add	3.65	
05 12 23 00-0649	LF 5/8" Square Bar Stock.....	3.41	
	For 316 Stainless Steel, Add	6.40	
	For Aluminum, Add	0.36	
	For Galvanized Steel, Add	1.24	
	For 304 Stainless Steel, Add	5.70	
05 12 23 00-0650	LF 3/4" Square Bar Stock.....	4.57	
	For 316 Stainless Steel, Add	9.22	
	For Aluminum, Add	0.52	
	For Galvanized Steel, Add	1.79	
	For 304 Stainless Steel, Add	8.21	
05 12 23 00-0651	LF 7/8" Square Bar Stock.....	5.98	
	For 316 Stainless Steel, Add	12.86	
	For Aluminum, Add	0.72	
	For Galvanized Steel, Add	2.49	
	For 304 Stainless Steel, Add	11.46	
05 12 23 00-0652	LF 1" Square Bar Stock.....	7.45	
	For 316 Stainless Steel, Add	16.45	
	For Aluminum, Add	0.93	
	For Galvanized Steel, Add	3.19	
	For 304 Stainless Steel, Add	14.65	
05 12 23 00-0653	LF 1-1/4" Square Bar Stock.....	11.65	
	For 316 Stainless Steel, Add	25.66	
	For Aluminum, Add	1.44	
	For Galvanized Steel, Add	4.97	
	For 304 Stainless Steel, Add	22.86	
05 12 23 00-0654	LF 1-1/2" Square Bar Stock.....	16.64	
	For 316 Stainless Steel, Add	36.99	
	For Aluminum, Add	2.08	
	For Galvanized Steel, Add	7.17	
	For 304 Stainless Steel, Add	32.95	
05 12 23 00-0655	LF 1-3/4" Square Bar Stock.....	24.55	
	For 316 Stainless Steel, Add	51.42	
	For Aluminum, Add	2.89	
	For Galvanized Steel, Add	9.96	
	For 304 Stainless Steel, Add	45.80	
05 12 23 00-0656	LF 2" Square Bar Stock.....	34.79	
	For 316 Stainless Steel, Add	65.79	
	For Aluminum, Add	3.70	
	For Galvanized Steel, Add	12.75	
	For 304 Stainless Steel, Add	58.60	
05 12 23 00-0657	<b>Steel Tubing</b> (05 12 23 00-0408)		
	Note: General purpose low-carbon steel.		
05 12 23 00-0658	<b>Square Steel Tubing</b> (05 12 23 00-0657)		
05 12 23 00-0659	<b>0.06" Wall Thickness</b> (05 12 23 00-0658)		
05 12 23 00-0660	LF 1/2" x 1/2" x 0.06" Square Steel Tubing.....	2.62	0.54
	For >100 To 250, Deduct	-0.05	
	For >250 To 500, Deduct	-0.12	
	For >500 To 1,000, Deduct	-0.20	
	For >1,000, Deduct	-0.29	
	For Galvanized Steel, Add	1.17	
05 12 23 00-0661	LF 3/4" x 3/4" x 0.06" Square Steel Tubing.....	4.03	0.86
	For >100 To 250, Deduct	-0.09	
	For >250 To 500, Deduct	-0.19	
	For >500 To 1,000, Deduct	-0.32	
	For >1,000, Deduct	-0.45	
	For Galvanized Steel, Add	1.79	
05 12 23 00-0662	LF 1" x 1" x 0.06" Square Steel Tubing.....	5.41	1.56
	For >100 To 250, Deduct	-0.12	
	For >250 To 500, Deduct	-0.25	
	For >500 To 1,000, Deduct	-0.43	
	For >1,000, Deduct	-0.60	
	For Galvanized Steel, Add	2.39	
05 12 23 00-0663	LF 1-1/4" x 1-1/4" x 0.06" Square Steel Tubing.....	7.16	1.48
	For >100 To 250, Deduct	-0.15	
	For >250 To 500, Deduct	-0.33	
	For >500 To 1,000, Deduct	-0.56	
	For >1,000, Deduct	-0.78	
	For Galvanized Steel, Add	3.21	
05 12 23 00-0664	LF 1-1/2" x 1-1/2" x 0.06" Square Steel Tubing.....	8.48	1.79
	For >100 To 250, Deduct	-0.18	
	For >250 To 500, Deduct	-0.39	
	For >500 To 1,000, Deduct	-0.66	
	For >1,000, Deduct	-0.93	
	For Galvanized Steel, Add	3.78	
05 12 23 00-0665	<b>0.083" Wall Thickness</b> (05 12 23 00-0658)		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0666	LF			3/4" x 3/4" x 0.083" Square Steel Tubing.....	4.68	1.01
				For >100 To 250, Deduct	-0.10	
				For >250 To 500, Deduct	-0.22	
				For >500 To 1,000, Deduct	-0.37	
				For >1,000, Deduct	-0.52	
				For Galvanized Steel, Add	2.07	
05 12 23 00-0667	LF			1" x 1" x 0.083" Square Steel Tubing.....	6.83	1.38
				For >100 To 250, Deduct	-0.14	
				For >250 To 500, Deduct	-0.31	
				For >500 To 1,000, Deduct	-0.53	
				For >1,000, Deduct	-0.74	
				For Galvanized Steel, Add	3.09	
05 12 23 00-0668	LF			1-1/4" x 1-1/4" x 0.083" Square Steel Tubing .....	8.24	1.75
				For >100 To 250, Deduct	-0.18	
				For >250 To 500, Deduct	-0.38	
				For >500 To 1,000, Deduct	-0.65	
				For >1,000, Deduct	-0.91	
				For Galvanized Steel, Add	3.65	
05 12 23 00-0669	LF			1-1/2" x 1-1/2" x 0.083" Square Steel Tubing .....	9.96	2.14
				For >100 To 250, Deduct	-0.21	
				For >250 To 500, Deduct	-0.46	
				For >500 To 1,000, Deduct	-0.78	
				For >1,000, Deduct	-1.10	
				For Galvanized Steel, Add	4.41	
05 12 23 00-0670	LF			2" x 2" x 0.083" Square Steel Tubing.....	12.75	2.85
				For >100 To 250, Deduct	-0.29	
				For >250 To 500, Deduct	-0.60	
				For >500 To 1,000, Deduct	-1.02	
				For >1,000, Deduct	-1.43	
				For Galvanized Steel, Add	5.55	
<b>05 12 23 00-0671</b>				<b>0.12" Wall Thickness (05 12 23 00-0658)</b>		
05 12 23 00-0672	LF			1" x 1" x 0.12" Square Steel Tubing.....	7.52	1.64
				For >100 To 250, Deduct	-0.17	
				For >250 To 500, Deduct	-0.35	
				For >500 To 1,000, Deduct	-0.60	
				For >1,000, Deduct	-0.84	
				For Galvanized Steel, Add	3.30	
05 12 23 00-0673	LF			1-1/4" x 1-1/4" x 0.12" Square Steel Tubing .....	9.68	2.11
				For >100 To 250, Deduct	-0.21	
				For >250 To 500, Deduct	-0.45	
				For >500 To 1,000, Deduct	-0.77	
				For >1,000, Deduct	-1.08	
				For Galvanized Steel, Add	4.26	
05 12 23 00-0674	LF			1-1/2" x 1-1/2" x 0.12" Square Steel Tubing .....	11.89	2.58
				For >100 To 250, Deduct	-0.26	
				For >250 To 500, Deduct	-0.56	
				For >500 To 1,000, Deduct	-0.94	
				For >1,000, Deduct	-1.32	
				For Galvanized Steel, Add	5.24	
05 12 23 00-0675	LF			2" x 2" x 0.12" Square Steel Tubing.....	16.09	3.51
				For >100 To 250, Deduct	-0.35	
				For >250 To 500, Deduct	-0.75	
				For >500 To 1,000, Deduct	-1.27	
				For >1,000, Deduct	-1.79	
				For Galvanized Steel, Add	7.07	
<b>05 12 23 00-0676</b>				<b>1/8" Wall Thickness (05 12 23 00-0658)</b>		
05 12 23 00-0677	LF			2" x 2" x 1/8" Square Steel Tubing.....	14.37	3.65
				For >100 To 250, Deduct	-0.37	
				For >250 To 500, Deduct	-0.72	
				For >500 To 1,000, Deduct	-1.21	
				For >1,000, Deduct	-1.69	
				For Galvanized Steel, Add	5.89	
05 12 23 00-0678	LF			2-1/2" x 2-1/2" x 1/8" Square Steel Tubing .....	19.00	4.63
				For >100 To 250, Deduct	-0.46	
				For >250 To 500, Deduct	-0.94	
				For >500 To 1,000, Deduct	-1.57	
				For >1,000, Deduct	-2.20	
				For Galvanized Steel, Add	7.96	
05 12 23 00-0679	LF			3" x 3" x 1/8" Square Steel Tubing.....	22.22	5.59
				For >100 To 250, Deduct	-0.56	
				For >250 To 500, Deduct	-1.12	
				For >500 To 1,000, Deduct	-1.86	
				For >1,000, Deduct	-2.60	
				For Galvanized Steel, Add	9.15	
05 12 23 00-0680	LF			3-1/2" x 3-1/2" x 1/8" Square Steel Tubing .....	25.73	6.57
				For >100 To 250, Deduct	-0.66	
				For >250 To 500, Deduct	-1.30	
				For >500 To 1,000, Deduct	-2.16	
				For >1,000, Deduct	-3.02	
				For Galvanized Steel, Add	10.52	
05 12 23 00-0681	LF			4" x 4" x 1/8" Square Steel Tubing.....	28.28	7.54
				For >100 To 250, Deduct	-0.75	
				For >250 To 500, Deduct	-1.46	
				For >500 To 1,000, Deduct	-2.42	
				For >1,000, Deduct	-3.38	
				For Galvanized Steel, Add	11.30	

## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing

 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

05 12 23 00-0682		3/16" Wall Thickness (05 12 23 00-0658)			
05 12 23 00-0683	LF	2" x 2" x 3/16" Square Steel Tubing	16.30	4.12	
		For >100 To 250, Deduct	-0.41		
		For >250 To 500, Deduct	-0.82		
		For >500 To 1,000, Deduct	-1.36		
		For >1,000, Deduct	-1.91		
		For Galvanized Steel, Add	6.70		
05 12 23 00-0684	LF	2-1/2" x 2-1/2" x 3/16" Square Steel Tubing	21.10	5.33	
		For >100 To 250, Deduct	-0.53		
		For >250 To 500, Deduct	-1.06		
		For >500 To 1,000, Deduct	-1.77		
		For >1,000, Deduct	-2.47		
		For Galvanized Steel, Add	8.67		
05 12 23 00-0685	LF	3" x 3" x 3/16" Square Steel Tubing	25.93	6.55	
		For >100 To 250, Deduct	-0.65		
		For >250 To 500, Deduct	-1.30		
		For >500 To 1,000, Deduct	-2.17		
		For >1,000, Deduct	-3.04		
		For Galvanized Steel, Add	10.66		
05 12 23 00-0686	LF	3-1/2" x 3-1/2" x 3/16" Square Steel Tubing	30.76	7.77	
		For >100 To 250, Deduct	-0.78		
		For >250 To 500, Deduct	-1.55		
		For >500 To 1,000, Deduct	-2.57		
		For >1,000, Deduct	-3.60		
		For Galvanized Steel, Add	12.65		
05 12 23 00-0687	LF	4" x 4" x 3/16" Square Steel Tubing	35.55	8.98	
		For >100 To 250, Deduct	-0.90		
		For >250 To 500, Deduct	-1.79		
		For >500 To 1,000, Deduct	-2.97		
		For >1,000, Deduct	-4.16		
		For Galvanized Steel, Add	14.62		
05 12 23 00-0688	LF	4-1/2" x 4-1/2" x 3/16" Square Steel Tubing	40.38	10.20	
		For >100 To 250, Deduct	-1.02		
		For >250 To 500, Deduct	-2.03		
		For >500 To 1,000, Deduct	-3.38		
		For >1,000, Deduct	-4.73		
		For Galvanized Steel, Add	16.60		
05 12 23 00-0689	LF	5" x 5" x 3/16" Square Steel Tubing	45.17	11.41	
		For >100 To 250, Deduct	-1.14		
		For >250 To 500, Deduct	-2.27		
		For >500 To 1,000, Deduct	-3.78		
		For >1,000, Deduct	-5.29		
		For Galvanized Steel, Add	18.58		
05 12 23 00-0690	LF	6" x 6" x 3/16" Square Steel Tubing	54.84	13.85	
		For >100 To 250, Deduct	-1.39		
		For >250 To 500, Deduct	-2.76		
		For >500 To 1,000, Deduct	-4.59		
		For >1,000, Deduct	-6.42		
		For Galvanized Steel, Add	22.55		
05 12 23 00-0691		1/4" Wall Thickness (05 12 23 00-0658)			
05 12 23 00-0692	LF	2" x 2" x 1/4" Square Steel Tubing	17.45	4.12	
		For >100 To 250, Deduct	-0.41		
		For >250 To 500, Deduct	-0.85		
		For >500 To 1,000, Deduct	-1.42		
		For >1,000, Deduct	-2.00		
		For Galvanized Steel, Add	7.41		
05 12 23 00-0693	LF	2-1/2" x 2-1/2" x 1/4" Square Steel Tubing	22.94	5.42	
		For >100 To 250, Deduct	-0.54		
		For >250 To 500, Deduct	-1.12		
		For >500 To 1,000, Deduct	-1.87		
		For >1,000, Deduct	-2.62		
		For Galvanized Steel, Add	9.74		
05 12 23 00-0694	LF	3" x 3" x 1/4" Square Steel Tubing	28.42	6.71	
		For >100 To 250, Deduct	-0.67		
		For >250 To 500, Deduct	-1.38		
		For >500 To 1,000, Deduct	-2.32		
		For >1,000, Deduct	-3.25		
		For Galvanized Steel, Add	12.07		
05 12 23 00-0695	LF	3-1/2" x 3-1/2" x 1/4" Square Steel Tubing	33.90	8.01	
		For >100 To 250, Deduct	-0.80		
		For >250 To 500, Deduct	-1.65		
		For >500 To 1,000, Deduct	-2.76		
		For >1,000, Deduct	-3.88		
		For Galvanized Steel, Add	14.40		
05 12 23 00-0696	LF	4" x 4" x 1/4" Square Steel Tubing	39.39	9.31	
		For >100 To 250, Deduct	-0.93		
		For >250 To 500, Deduct	-1.92		
		For >500 To 1,000, Deduct	-3.21		
		For >1,000, Deduct	-4.51		
		For Galvanized Steel, Add	16.72		
05 12 23 00-0697	LF	4-1/2" x 4-1/2" x 1/4" Square Steel Tubing	44.87	10.60	
		For >100 To 250, Deduct	-1.06		
		For >250 To 500, Deduct	-2.18		
		For >500 To 1,000, Deduct	-3.66		
		For >1,000, Deduct	-5.13		
		For Galvanized Steel, Add	19.05		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 12 23 00-0698	LF	5" x 5" x 1/4"	Square Steel Tubing.....	50.40	11.91
			<i>For &gt;100 To 250, Deduct</i>	-1.19	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500 To 1,000, Deduct</i>	-4.11	
			<i>For &gt;1,000, Deduct</i>	-5.77	
			<i>For Galvanized Steel, Add</i>	21.40	
05 12 23 00-0699	LF	6" x 6" x 1/4"	Square Steel Tubing.....	61.36	14.50
			<i>For &gt;100 To 250, Deduct</i>	-1.45	
			<i>For &gt;250 To 500, Deduct</i>	-2.98	
			<i>For &gt;500 To 1,000, Deduct</i>	-5.00	
			<i>For &gt;1,000, Deduct</i>	-7.02	
			<i>For Galvanized Steel, Add</i>	26.05	
05 12 23 00-0700			Rectangular Steel Tubing (05 12 23 00-0697)		
05 12 23 00-0701			3/16" Wall Thickness (05 12 23 00-0700)		
05 12 23 00-0702	LF	3" x 2" x 3/16"	Square Steel Tubing.....	21.10	5.33
			<i>For &gt;100 To 250, Deduct</i>	-0.53	
			<i>For &gt;250 To 500, Deduct</i>	-1.06	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.77	
			<i>For &gt;1,000, Deduct</i>	-2.47	
			<i>For Galvanized Steel, Add</i>	8.67	
05 12 23 00-0703	LF	4" x 2" x 3/16"	Square Steel Tubing.....	25.93	6.55
			<i>For &gt;100 To 250, Deduct</i>	-0.65	
			<i>For &gt;250 To 500, Deduct</i>	-1.30	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.17	
			<i>For &gt;1,000, Deduct</i>	-3.04	
			<i>For Galvanized Steel, Add</i>	10.66	
05 12 23 00-0704	LF	4" x 3" x 3/16"	Square Steel Tubing.....	30.76	7.77
			<i>For &gt;100 To 250, Deduct</i>	-0.78	
			<i>For &gt;250 To 500, Deduct</i>	-1.55	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.57	
			<i>For &gt;1,000, Deduct</i>	-3.60	
			<i>For Galvanized Steel, Add</i>	12.65	
05 12 23 00-0705	LF	5" x 2" x 3/16"	Square Steel Tubing.....	30.76	7.77
			<i>For &gt;100 To 250, Deduct</i>	-0.78	
			<i>For &gt;250 To 500, Deduct</i>	-1.55	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.57	
			<i>For &gt;1,000, Deduct</i>	-3.60	
			<i>For Galvanized Steel, Add</i>	12.65	
05 12 23 00-0706	LF	5" x 3" x 3/16"	Square Steel Tubing.....	35.55	8.98
			<i>For &gt;100 To 250, Deduct</i>	-0.90	
			<i>For &gt;250 To 500, Deduct</i>	-1.79	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.97	
			<i>For &gt;1,000, Deduct</i>	-4.16	
			<i>For Galvanized Steel, Add</i>	14.62	
05 12 23 00-0707	LF	5" x 4" x 3/16"	Square Steel Tubing.....	40.38	10.20
			<i>For &gt;100 To 250, Deduct</i>	-1.02	
			<i>For &gt;250 To 500, Deduct</i>	-2.03	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.38	
			<i>For &gt;1,000, Deduct</i>	-4.73	
			<i>For Galvanized Steel, Add</i>	16.60	
05 12 23 00-0708	LF	6" x 2" x 3/16"	Square Steel Tubing.....	35.55	8.98
			<i>For &gt;100 To 250, Deduct</i>	-0.90	
			<i>For &gt;250 To 500, Deduct</i>	-1.79	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.97	
			<i>For &gt;1,000, Deduct</i>	-4.16	
			<i>For Galvanized Steel, Add</i>	14.62	
05 12 23 00-0709	LF	6" x 3" x 3/16"	Square Steel Tubing.....	40.38	10.20
			<i>For &gt;100 To 250, Deduct</i>	-1.02	
			<i>For &gt;250 To 500, Deduct</i>	-2.03	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.38	
			<i>For &gt;1,000, Deduct</i>	-4.73	
			<i>For Galvanized Steel, Add</i>	16.60	
05 12 23 00-0710	LF	6" x 4" x 3/16"	Square Steel Tubing.....	45.17	11.41
			<i>For &gt;100 To 250, Deduct</i>	-1.14	
			<i>For &gt;250 To 500, Deduct</i>	-2.27	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.78	
			<i>For &gt;1,000, Deduct</i>	-5.29	
			<i>For Galvanized Steel, Add</i>	18.58	
05 12 23 00-0711			1/4" Wall Thickness (05 12 23 00-0700)		
05 12 23 00-0712	LF	3" x 2" x 1/4"	Square Steel Tubing.....	22.94	5.42
			<i>For &gt;100 To 250, Deduct</i>	-0.54	
			<i>For &gt;250 To 500, Deduct</i>	-1.12	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.87	
			<i>For &gt;1,000, Deduct</i>	-2.62	
			<i>For Galvanized Steel, Add</i>	9.74	
05 12 23 00-0713	LF	4" x 2" x 1/4"	Square Steel Tubing.....	28.42	6.71
			<i>For &gt;100 To 250, Deduct</i>	-0.67	
			<i>For &gt;250 To 500, Deduct</i>	-1.38	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.32	
			<i>For &gt;1,000, Deduct</i>	-3.25	
			<i>For Galvanized Steel, Add</i>	12.07	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 12 23 00-0714	LF	4" x 3" x 1/4" Square Steel Tubing	33.90	8.01
		<i>For &gt;100 To 250, Deduct</i>	-0.80	
		<i>For &gt;250 To 500, Deduct</i>	-1.65	
		<i>For &gt;500 To 1,000, Deduct</i>	-2.76	
		<i>For &gt;1,000, Deduct</i>	-3.88	
		<i>For Galvanized Steel, Add</i>	14.40	
05 12 23 00-0715	LF	5" x 2" x 1/4" Square Steel Tubing	33.90	8.01
		<i>For &gt;100 To 250, Deduct</i>	-0.80	
		<i>For &gt;250 To 500, Deduct</i>	-1.65	
		<i>For &gt;500 To 1,000, Deduct</i>	-2.76	
		<i>For &gt;1,000, Deduct</i>	-3.88	
		<i>For Galvanized Steel, Add</i>	14.40	
05 12 23 00-0716	LF	5" x 3" x 1/4" Square Steel Tubing	39.39	9.31
		<i>For &gt;100 To 250, Deduct</i>	-0.93	
		<i>For &gt;250 To 500, Deduct</i>	-1.92	
		<i>For &gt;500 To 1,000, Deduct</i>	-3.21	
		<i>For &gt;1,000, Deduct</i>	-4.51	
		<i>For Galvanized Steel, Add</i>	16.72	
05 12 23 00-0717	LF	5" x 4" x 1/4" Square Steel Tubing	44.87	10.60
		<i>For &gt;100 To 250, Deduct</i>	-1.06	
		<i>For &gt;250 To 500, Deduct</i>	-2.18	
		<i>For &gt;500 To 1,000, Deduct</i>	-3.66	
		<i>For &gt;1,000, Deduct</i>	-5.13	
		<i>For Galvanized Steel, Add</i>	19.05	
05 12 23 00-0718	LF	6" x 2" x 1/4" Square Steel Tubing	39.39	9.31
		<i>For &gt;100 To 250, Deduct</i>	-0.93	
		<i>For &gt;250 To 500, Deduct</i>	-1.92	
		<i>For &gt;500 To 1,000, Deduct</i>	-3.21	
		<i>For &gt;1,000, Deduct</i>	-4.51	
		<i>For Galvanized Steel, Add</i>	16.72	
05 12 23 00-0719	LF	6" x 3" x 1/4" Square Steel Tubing	44.87	10.60
		<i>For &gt;100 To 250, Deduct</i>	-1.06	
		<i>For &gt;250 To 500, Deduct</i>	-2.18	
		<i>For &gt;500 To 1,000, Deduct</i>	-3.66	
		<i>For &gt;1,000, Deduct</i>	-5.13	
		<i>For Galvanized Steel, Add</i>	19.05	
05 12 23 00-0720	LF	6" x 4" x 1/4" Square Steel Tubing	50.40	11.91
		<i>For &gt;100 To 250, Deduct</i>	-1.19	
		<i>For &gt;250 To 500, Deduct</i>	-2.45	
		<i>For &gt;500 To 1,000, Deduct</i>	-4.11	
		<i>For &gt;1,000, Deduct</i>	-5.77	
		<i>For Galvanized Steel, Add</i>	21.40	
05 12 23 00-0721		Round Steel Tubing <small>(05 12 23 00-0657)</small>		
05 12 23 00-0722		0.065" Wall Thickness <small>(05 12 23 00-0721)</small>		
05 12 23 00-0723	LF	1" Diameter x 0.065" Round Steel Tubing	4.68	0.99
		<i>For &gt;100 To 250, Deduct</i>	-0.10	
		<i>For &gt;250 To 500, Deduct</i>	-0.22	
		<i>For &gt;500 To 1,000, Deduct</i>	-0.37	
		<i>For &gt;1,000, Deduct</i>	-0.52	
		<i>For Galvanized Steel, Add</i>	2.08	
05 12 23 00-0724	LF	1-1/4" Diameter x 0.065" Round Steel Tubing	5.93	1.26
		<i>For &gt;100 To 250, Deduct</i>	-0.13	
		<i>For &gt;250 To 500, Deduct</i>	-0.27	
		<i>For &gt;500 To 1,000, Deduct</i>	-0.46	
		<i>For &gt;1,000, Deduct</i>	-0.65	
		<i>For Galvanized Steel, Add</i>	2.64	
05 12 23 00-0725	LF	1-1/2" Diameter x 0.065" Round Steel Tubing	7.18	1.52
		<i>For &gt;100 To 250, Deduct</i>	-0.15	
		<i>For &gt;250 To 500, Deduct</i>	-0.33	
		<i>For &gt;500 To 1,000, Deduct</i>	-0.56	
		<i>For &gt;1,000, Deduct</i>	-0.79	
		<i>For Galvanized Steel, Add</i>	3.19	
05 12 23 00-0726	LF	2" Diameter x 0.065" Round Steel Tubing	9.68	2.05
		<i>For &gt;100 To 250, Deduct</i>	-0.20	
		<i>For &gt;250 To 500, Deduct</i>	-0.45	
		<i>For &gt;500 To 1,000, Deduct</i>	-0.76	
		<i>For &gt;1,000, Deduct</i>	-1.07	
		<i>For Galvanized Steel, Add</i>	4.31	
05 12 23 00-0727	LF	2-1/2" Diameter x 0.065" Round Steel Tubing	12.19	2.58
		<i>For &gt;100 To 250, Deduct</i>	-0.26	
		<i>For &gt;250 To 500, Deduct</i>	-0.56	
		<i>For &gt;500 To 1,000, Deduct</i>	-0.95	
		<i>For &gt;1,000, Deduct</i>	-1.34	
		<i>For Galvanized Steel, Add</i>	5.43	
05 12 23 00-0728	LF	3" Diameter x 0.065" Round Steel Tubing	14.68	3.10
		<i>For &gt;100 To 250, Deduct</i>	-0.31	
		<i>For &gt;250 To 500, Deduct</i>	-0.68	
		<i>For &gt;500 To 1,000, Deduct</i>	-1.15	
		<i>For &gt;1,000, Deduct</i>	-1.62	
		<i>For Galvanized Steel, Add</i>	6.53	
05 12 23 00-0729	LF	3-1/2" Diameter x 0.065" Round Steel Tubing	17.19	3.64
		<i>For &gt;100 To 250, Deduct</i>	-0.36	
		<i>For &gt;250 To 500, Deduct</i>	-0.79	
		<i>For &gt;500 To 1,000, Deduct</i>	-1.34	
		<i>For &gt;1,000, Deduct</i>	-1.90	
		<i>For Galvanized Steel, Add</i>	7.65	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
05 12 23 00-0730	LF		4" Diameter x 0.065" Round Steel Tubing .....	19.69	4.16
			<i>For &gt;100 To 250, Deduct</i>	-0.42	
			<i>For &gt;250 To 500, Deduct</i>	-0.91	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.54	
			<i>For &gt;1,000, Deduct</i>	-2.17	
			<i>For Galvanized Steel, Add</i>	8.77	
<b>05 12 23 00-0731</b>			<b>0.083" Wall Thickness</b> <small>(05 12 23 00-0721)</small>		
05 12 23 00-0732	LF		1" Diameter x 0.083" Round Steel Tubing .....	5.08	1.09
			<i>For &gt;100 To 250, Deduct</i>	-0.11	
			<i>For &gt;250 To 500, Deduct</i>	-0.24	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.40	
			<i>For &gt;1,000, Deduct</i>	-0.56	
			<i>For Galvanized Steel, Add</i>	2.25	
05 12 23 00-0733	LF		1-1/4" Diameter x 0.083" Round Steel Tubing .....	6.46	1.38
			<i>For &gt;100 To 250, Deduct</i>	-0.14	
			<i>For &gt;250 To 500, Deduct</i>	-0.30	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.51	
			<i>For &gt;1,000, Deduct</i>	-0.71	
			<i>For Galvanized Steel, Add</i>	2.86	
05 12 23 00-0734	LF		1-1/2" Diameter x 0.083" Round Steel Tubing .....	7.85	1.67
			<i>For &gt;100 To 250, Deduct</i>	-0.17	
			<i>For &gt;250 To 500, Deduct</i>	-0.36	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.62	
			<i>For &gt;1,000, Deduct</i>	-0.87	
			<i>For Galvanized Steel, Add</i>	3.48	
05 12 23 00-0735	LF		2" Diameter x 0.083" Round Steel Tubing .....	10.61	2.27
			<i>For &gt;100 To 250, Deduct</i>	-0.23	
			<i>For &gt;250 To 500, Deduct</i>	-0.49	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.83	
			<i>For &gt;1,000, Deduct</i>	-1.17	
			<i>For Galvanized Steel, Add</i>	4.71	
05 12 23 00-0736	LF		2-1/2" Diameter x 0.083" Round Steel Tubing .....	13.39	2.86
			<i>For &gt;100 To 250, Deduct</i>	-0.29	
			<i>For &gt;250 To 500, Deduct</i>	-0.62	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.05	
			<i>For &gt;1,000, Deduct</i>	-1.48	
			<i>For Galvanized Steel, Add</i>	5.94	
05 12 23 00-0737	LF		3" Diameter x 0.083" Round Steel Tubing .....	16.16	3.45
			<i>For &gt;100 To 250, Deduct</i>	-0.35	
			<i>For &gt;250 To 500, Deduct</i>	-0.75	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.27	
			<i>For &gt;1,000, Deduct</i>	-1.79	
			<i>For Galvanized Steel, Add</i>	7.17	
05 12 23 00-0738	LF		3-1/2" Diameter x 0.083" Round Steel Tubing .....	18.93	4.04
			<i>For &gt;100 To 250, Deduct</i>	-0.40	
			<i>For &gt;250 To 500, Deduct</i>	-0.88	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.49	
			<i>For &gt;1,000, Deduct</i>	-2.09	
			<i>For Galvanized Steel, Add</i>	8.39	
05 12 23 00-0739	LF		4" Diameter x 0.083" Round Steel Tubing .....	21.70	4.64
			<i>For &gt;100 To 250, Deduct</i>	-0.46	
			<i>For &gt;250 To 500, Deduct</i>	-1.01	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.70	
			<i>For &gt;1,000, Deduct</i>	-2.40	
			<i>For Galvanized Steel, Add</i>	9.62	
<b>05 12 23 00-0740</b>			<b>0.125" Wall Thickness</b> <small>(05 12 23 00-0721)</small>		
05 12 23 00-0741	LF		2" Diameter x 0.125" Round Steel Tubing .....	11.27	2.86
			<i>For &gt;100 To 250, Deduct</i>	-0.29	
			<i>For &gt;250 To 500, Deduct</i>	-0.57	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.95	
			<i>For &gt;1,000, Deduct</i>	-1.32	
			<i>For Galvanized Steel, Add</i>	4.62	
05 12 23 00-0742	LF		2-1/2" Diameter x 0.125" Round Steel Tubing .....	14.28	3.63
			<i>For &gt;100 To 250, Deduct</i>	-0.36	
			<i>For &gt;250 To 500, Deduct</i>	-0.72	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.20	
			<i>For &gt;1,000, Deduct</i>	-1.68	
			<i>For Galvanized Steel, Add</i>	5.85	
05 12 23 00-0743	LF		3" Diameter x 0.125" Round Steel Tubing .....	17.29	4.39
			<i>For &gt;100 To 250, Deduct</i>	-0.44	
			<i>For &gt;250 To 500, Deduct</i>	-0.87	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.45	
			<i>For &gt;1,000, Deduct</i>	-2.03	
			<i>For Galvanized Steel, Add</i>	7.09	
05 12 23 00-0744	LF		3-1/2" Diameter x 0.125" Round Steel Tubing .....	20.29	5.15
			<i>For &gt;100 To 250, Deduct</i>	-0.52	
			<i>For &gt;250 To 500, Deduct</i>	-1.02	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.70	
			<i>For &gt;1,000, Deduct</i>	-2.38	
			<i>For Galvanized Steel, Add</i>	8.32	
05 12 23 00-0745	LF		4" Diameter x 0.125" Round Steel Tubing .....	23.29	5.92
			<i>For &gt;100 To 250, Deduct</i>	-0.59	
			<i>For &gt;250 To 500, Deduct</i>	-1.17	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.95	
			<i>For &gt;1,000, Deduct</i>	-2.73	
			<i>For Galvanized Steel, Add</i>	9.55	

## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing

 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

05 12 23 00-0746	Flat Steel Bar <small>(05 12 23 00-0408)</small>		
05 12 23 00-0747	1/8" Thick <small>(05 12 23 00-0746)</small>		
05 12 23 00-0748	LF 1/8" Thick x 1" Wide Flat Steel Bar	3.17	1.42
	For Galvanized Steel, Add	0.64	
05 12 23 00-0749	LF 1/8" Thick x 2" Wide Flat Steel Bar	4.93	2.14
	For Galvanized Steel, Add	1.07	
05 12 23 00-0750	LF 1/8" Thick x 4" Wide Flat Steel Bar	7.64	3.01
	For Galvanized Steel, Add	1.93	
05 12 23 00-0751	LF 1/8" Thick x 6" Wide Flat Steel Bar	10.34	4.09
	For Galvanized Steel, Add	2.61	
05 12 23 00-0752	3/16" Thick <small>(05 12 23 00-0746)</small>		
05 12 23 00-0753	LF 3/16" Thick x 1" Wide Flat Steel Bar	4.22	1.77
	For Galvanized Steel, Add	0.97	
05 12 23 00-0754	LF 3/16" Thick x 2" Wide Flat Steel Bar	6.69	2.65
	For Galvanized Steel, Add	1.68	
05 12 23 00-0755	LF 3/16" Thick x 4" Wide Flat Steel Bar	9.15	3.05
	For Galvanized Steel, Add	2.83	
05 12 23 00-0756	LF 3/16" Thick x 6" Wide Flat Steel Bar	12.66	4.23
	For Galvanized Steel, Add	3.92	
05 12 23 00-0757	1/4" Thick <small>(05 12 23 00-0746)</small>		
05 12 23 00-0758	LF 1/4" Thick x 1" Wide Flat Steel Bar	4.35	1.87
	For Galvanized Steel, Add	0.96	
05 12 23 00-0759	LF 1/4" Thick x 2" Wide Flat Steel Bar	7.35	2.80
	For Galvanized Steel, Add	1.95	
05 12 23 00-0760	LF 1/4" Thick x 4" Wide Flat Steel Bar	10.89	3.21
	For Galvanized Steel, Add	3.77	
05 12 23 00-0761	LF 1/4" Thick x 6" Wide Flat Steel Bar	15.73	4.74
	For Galvanized Steel, Add	5.34	
05 12 23 00-0762	3/8" Thick <small>(05 12 23 00-0746)</small>		
05 12 23 00-0763	LF 3/8" Thick x 1" Wide Flat Steel Bar	5.59	2.11
	For Galvanized Steel, Add	1.51	
05 12 23 00-0764	LF 3/8" Thick x 2" Wide Flat Steel Bar	9.23	3.15
	For Galvanized Steel, Add	2.78	
05 12 23 00-0765	LF 3/8" Thick x 4" Wide Flat Steel Bar	14.40	3.60
	For Galvanized Steel, Add	5.57	
05 12 23 00-0766	LF 3/8" Thick x 6" Wide Flat Steel Bar	20.65	5.33
	For Galvanized Steel, Add	7.84	
05 12 23 00-0767	1/2" Thick <small>(05 12 23 00-0746)</small>		
05 12 23 00-0768	LF 1/2" Thick x 1" Wide Flat Steel Bar	6.60	2.31
	For Galvanized Steel, Add	1.93	
05 12 23 00-0769	LF 1/2" Thick x 2" Wide Flat Steel Bar	10.94	3.48
	For Galvanized Steel, Add	3.55	
05 12 23 00-0770	LF 1/2" Thick x 4" Wide Flat Steel Bar	15.72	3.95
	For Galvanized Steel, Add	6.06	
05 12 23 00-0771	LF 1/2" Thick x 6" Wide Flat Steel Bar	28.30	5.87
	For Galvanized Steel, Add	12.08	
05 12 23 00-0772	Flat Steel Plate <small>(05 12 23 00-0408)</small>		
05 12 23 00-0773	SF 1/8" Thick Flat Steel Plate	16.55	6.13
	For 316 Stainless Steel, Add	23.52	
	For Aluminum, Add	1.32	
	For Galvanized Steel, Add	4.56	
	For 304 Stainless Steel, Add	20.95	
05 12 23 00-0774	SF 3/16" Thick Flat Steel Plate	18.73	6.34
	For 316 Stainless Steel, Add	29.44	
	For Aluminum, Add	1.66	
	For Galvanized Steel, Add	5.70	
	For 304 Stainless Steel, Add	26.22	
05 12 23 00-0775	SF 1/4" Thick Flat Steel Plate	22.40	7.11
	For 316 Stainless Steel, Add	37.54	
	For Aluminum, Add	2.11	
	For Galvanized Steel, Add	7.27	
	For 304 Stainless Steel, Add	33.43	
05 12 23 00-0776	SF 3/8" Thick Flat Steel Plate	30.41	8.00
	For 316 Stainless Steel, Add	58.91	
	For Aluminum, Add	3.31	
	For Galvanized Steel, Add	11.41	
	For 304 Stainless Steel, Add	52.47	
05 12 23 00-0777	SF 1/2" Thick Flat Steel Plate	36.14	8.80
	For 316 Stainless Steel, Add	73.41	
	For Aluminum, Add	4.13	
	For Galvanized Steel, Add	14.22	
	For 304 Stainless Steel, Add	65.38	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0778 SF 3/4" Thick Flat Steel Plate..... <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	59.53 137.66 7.74 26.67 122.61	10.90
05 12 23 00-0779 SF 1" Thick Flat Steel Plate..... <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	79.53 188.48 10.60 36.52 167.87	13.62

### 05 14 Structural Aluminum Framing (05 10)

#### 05 14 13 Architecturally-Exposed Structural Aluminum Framing (05 14)

##### 05 14 13 00-0001 Rolled Or Plate Shapes (05 14 13)

Note: 1" through 10" member.

05 14 13 00-0002 LB Structural Aluminum, Up To 2,000 LB / Order 1" To 10" Rolled / Plate Structural Members .....	6.12	0.83
05 14 13 00-0003 LB Structural Aluminum, >2,000 - 9,999 LB / Order 1" To 10" Rolled / Plate Structural Members .....	5.41	0.77

##### 05 14 13 00-0004 Aluminum Extrusions (05 14 13)

05 14 13 00-0005 LB Aluminum Extrusions, Stock Shapes 1" To 10" Rolled / Plate Structural Members .....	11.02	3.41
05 14 13 00-0006 LB Aluminum Extrusions, Custom Shapes 1" To 10" Rolled / Plate Structural Members .....	11.55	3.41

##### 05 14 13 00-0007 Aluminum Tubing (05 14 13)

05 14 13 00-0008 LB Aluminum Extrusions, Tubular Shapes 1" To 10" Rolled / Plate Structural Members .....	9.57	2.10
05 14 13 00-0009 LF 1" x 1" Aluminum Tubing, 1/8" Wall Thickness .....	9.61	3.39
05 14 13 00-0010 LF 1-1/4" x 1-1/4" Aluminum Tubing, 1/8" Wall Thickness .....	11.36	3.70
05 14 13 00-0011 LF 1-1/2" x 1-1/2" Aluminum Tubing, 1/8" Wall Thickness .....	13.09	4.31
05 14 13 00-0012 LF 2" x 2" Aluminum Tubing, 1/8" Wall Thickness .....	15.22	4.63
05 14 13 00-0013 LF 4" x 4" Aluminum Tubing, 1/4" Wall Thickness .....	39.14	5.87
05 14 13 00-0014 LF 2" x 5" Aluminum Tubing, 1/4" Wall Thickness .....	32.36	5.25

##### 05 14 13 00-0015 Columns (05 14 13)

Note: Baked on paint finish, load bearing.

##### 05 14 13 00-0016 Round Columns (05 14 13 00-0015)

05 14 13 00-0017 LF 6" Diameter Aluminum Column .....	37.25	6.63
05 14 13 00-0018 LF 8" Diameter Aluminum Column .....	49.52	9.49
05 14 13 00-0019 LF 10" Diameter Aluminum Column .....	59.86	10.68
05 14 13 00-0020 LF 12" Diameter Aluminum Column .....	86.91	11.18
05 14 13 00-0021 LF 15" Diameter Aluminum Column .....	110.14	12.96
05 14 13 00-0022 EA 6" Diameter Aluminum Base And Cap .....	71.38	12.36
05 14 13 00-0023 EA 8" Diameter Aluminum Base And Cap .....	81.23	13.35
05 14 13 00-0024 EA 10" Diameter Aluminum Base And Cap .....	101.34	14.84
05 14 13 00-0025 EA 12" Diameter Aluminum Base And Cap .....	169.36	15.83
05 14 13 00-0026 EA 15" Diameter Aluminum Base And Cap .....	255.24	17.31

##### 05 14 13 00-0027 Octagonal Columns (05 14 13 00-0015)

05 14 13 00-0028 LF 6" Diameter Aluminum Column .....	40.62	6.63
05 14 13 00-0029 LF 8" Diameter Aluminum Column .....	55.62	9.49
05 14 13 00-0030 LF 10" Diameter Aluminum Column .....	67.56	10.68
05 14 13 00-0031 LF 12" Diameter Aluminum Column .....	99.84	11.18
05 14 13 00-0032 LF 15" Diameter Aluminum Column .....	127.00	12.96
05 14 13 00-0033 EA 6" Diameter Aluminum Base And Cap .....	80.71	12.36
05 14 13 00-0034 EA 8" Diameter Aluminum Base And Cap .....	92.14	13.35
05 14 13 00-0035 EA 10" Diameter Aluminum Base And Cap .....	115.67	14.84
05 14 13 00-0036 EA 12" Diameter Aluminum Base And Cap .....	196.90	15.83
05 14 13 00-0037 EA 15" Diameter Aluminum Base And Cap .....	299.36	17.31

##### 05 14 13 00-0038 Fluted Columns (05 14 13 00-0015)

05 14 13 00-0039 LF 6" Diameter Aluminum Column .....	44.74	6.63
05 14 13 00-0040 LF 8" Diameter Aluminum Column .....	61.11	9.49
05 14 13 00-0041 LF 10" Diameter Aluminum Column .....	74.49	10.68
05 14 13 00-0042 LF 12" Diameter Aluminum Column .....	111.47	11.18
05 14 13 00-0043 LF 15" Diameter Aluminum Column .....	142.18	12.96
05 14 13 00-0044 EA 6" Diameter Aluminum Base And Cap .....	89.11	12.36
05 14 13 00-0045 EA 8" Diameter Aluminum Base And Cap .....	101.95	13.35
05 14 13 00-0046 EA 10" Diameter Aluminum Base And Cap .....	128.57	14.84
05 14 13 00-0047 EA 12" Diameter Aluminum Base And Cap .....	221.69	15.83
05 14 13 00-0048 EA 15" Diameter Aluminum Base And Cap .....	339.07	17.31

##### 05 14 13 00-0049 Square Columns (05 14 13 00-0015)

05 14 13 00-0050 LF 6" Aluminum Column .....	47.56	6.63
05 14 13 00-0051 LF 8" Aluminum Column .....	64.86	9.49
05 14 13 00-0052 LF 10" Aluminum Column .....	79.23	10.68
05 14 13 00-0053 LF 12" Aluminum Column .....	119.43	11.18
05 14 13 00-0054 LF 15" Aluminum Column .....	152.56	12.96
05 14 13 00-0055 EA 6" Aluminum Base And Cap .....	94.85	12.36

**05 Metals****05 10 Structural Metal Framing****05 14 Structural Aluminum Framing**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

05 14 13 00-0056	EA	8" Aluminum Base And Cap.....	108.66	13.35
05 14 13 00-0057	EA	10" Aluminum Base And Cap.....	137.39	14.84
05 14 13 00-0058	EA	12" Aluminum Base And Cap.....	238.64	15.83
05 14 13 00-0059	EA	15" Aluminum Base And Cap.....	366.23	17.31

**05 14 13 00-0060 Ornamental Or Decorative Cap And Bases** (05 14 13 00-0015)

05 14 13 00-0061	EA	8" Corinthian Capital And Base.....	504.63	14.84
05 14 13 00-0062	EA	10" Corinthian Capital And Base.....	739.95	17.31
05 14 13 00-0063	EA	12" Corinthian Capital And Base.....	1,166.07	19.78
05 14 13 00-0064	EA	8" Scamozzi Capital And Base.....	254.97	14.84
05 14 13 00-0065	EA	10" Scamozzi Capital And Base.....	340.09	17.31
05 14 13 00-0066	EA	12" Scamozzi Capital And Base.....	675.28	19.78

**05 15 Wire Rope Assemblies** (05 10)**05 15 16 Steel Wire Rope Assemblies** (05 15)**05 15 16 00-0001 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope** (05 15 16)

05 15 16 00-0002	LF	1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	1.00	0.10
		<i>For &gt;500, Deduct</i>	-0.17	
05 15 16 00-0003	LF	5/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	1.37	0.10
		<i>For &gt;500, Deduct</i>	-0.22	
05 15 16 00-0004	LF	3/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	1.66	0.20
		<i>For &gt;500, Deduct</i>	-0.25	
05 15 16 00-0005	LF	7/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	2.04	0.20
		<i>For &gt;500, Deduct</i>	-0.30	
05 15 16 00-0006	LF	1/2" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	2.40	0.30
		<i>For &gt;500, Deduct</i>	-0.34	
05 15 16 00-0007	LF	9/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	2.96	0.40
		<i>For &gt;500, Deduct</i>	-0.41	
05 15 16 00-0008	LF	5/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	3.55	0.40
		<i>For &gt;500, Deduct</i>	-0.49	
05 15 16 00-0009	LF	3/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	4.96	0.72
		<i>For &gt;500, Deduct</i>	-0.67	
05 15 16 00-0010	LF	7/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	6.67	0.82
		<i>For &gt;500, Deduct</i>	-0.90	
05 15 16 00-0011	LF	1" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	8.40	1.12
		<i>For &gt;500, Deduct</i>	-1.10	
05 15 16 00-0012	LF	1-1/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	10.38	1.42
		<i>For &gt;500, Deduct</i>	-1.36	
05 15 16 00-0013	LF	1-1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	12.66	1.72
		<i>For &gt;500, Deduct</i>	-1.66	

**05 15 16 00-0014 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope** (05 15 16)

05 15 16 00-0015	LF	1/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	1.17	0.10
		<i>For &gt;500, Deduct</i>	-0.20	
05 15 16 00-0016	LF	5/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	1.53	0.10
		<i>For &gt;500, Deduct</i>	-0.25	
05 15 16 00-0017	LF	3/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	1.93	0.20
		<i>For &gt;500, Deduct</i>	-0.31	
05 15 16 00-0018	LF	7/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	2.25	0.20
		<i>For &gt;500, Deduct</i>	-0.34	
05 15 16 00-0019	LF	1/2" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	2.70	0.30
		<i>For &gt;500, Deduct</i>	-0.40	
05 15 16 00-0020	LF	9/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	3.16	0.40
		<i>For &gt;500, Deduct</i>	-0.45	
05 15 16 00-0021	LF	5/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	3.72	0.40
		<i>For &gt;500, Deduct</i>	-0.52	
05 15 16 00-0022	LF	3/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	5.44	0.72
		<i>For &gt;500, Deduct</i>	-0.77	
05 15 16 00-0023	LF	7/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	7.03	0.82
		<i>For &gt;500, Deduct</i>	-0.97	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

05 15 16 00-0024	LF		1" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	8.73	1.12
			For >500, Deduct	-1.18	
05 15 16 00-0025	LF		1-1/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	11.17	1.42
			For >500, Deduct	-1.51	
05 15 16 00-0026	LF		1-1/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	13.56	1.72
			For >500, Deduct	-1.84	
<b>05 15 16 00-0027      6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope</b>					
			<small>(05 15 16)</small>		
05 15 16 00-0028	LF		1/4" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	0.94	0.10
			For >500, Deduct	-0.15	
05 15 16 00-0029	LF		5/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	1.30	0.10
			For >500, Deduct	-0.21	
05 15 16 00-0030	LF		3/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	1.57	0.20
			For >500, Deduct	-0.24	
05 15 16 00-0031	LF		7/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	1.89	0.20
			For >500, Deduct	-0.27	
05 15 16 00-0032	LF		1/2" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	2.31	0.30
			For >500, Deduct	-0.32	
05 15 16 00-0033	LF		9/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	2.92	0.40
			For >500, Deduct	-0.40	
05 15 16 00-0034	LF		5/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	3.44	0.40
			For >500, Deduct	-0.47	
05 15 16 00-0035	LF		3/4" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	4.85	0.72
			For >500, Deduct	-0.65	
05 15 16 00-0036	LF		7/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	6.04	0.82
			For >500, Deduct	-0.77	
05 15 16 00-0037	LF		1" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	7.73	1.12
			For >500, Deduct	-0.97	
<b>05 15 16 00-0038      6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope</b>					
			<small>(05 15 16)</small>		
05 15 16 00-0039	LF		1/4" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	0.93	0.10
			For >500, Deduct	-0.15	
05 15 16 00-0040	LF		5/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	1.25	0.10
			For >500, Deduct	-0.20	
05 15 16 00-0041	LF		3/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	1.57	0.20
			For >500, Deduct	-0.24	
05 15 16 00-0042	LF		7/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	1.89	0.20
			For >500, Deduct	-0.27	
05 15 16 00-0043	LF		1/2" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	2.39	0.30
			For >500, Deduct	-0.34	
05 15 16 00-0044	LF		9/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	2.88	0.40
			For >500, Deduct	-0.40	
05 15 16 00-0045	LF		5/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	3.60	0.40
			For >500, Deduct	-0.50	
05 15 16 00-0046	LF		3/4" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	5.04	0.72
			For >500, Deduct	-0.69	
05 15 16 00-0047	LF		7/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	6.63	0.82
			For >500, Deduct	-0.89	
05 15 16 00-0048	LF		1" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	8.25	1.12
			For >500, Deduct	-1.08	
<b>05 15 16 00-0049      6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope</b>					
			<small>(05 15 16)</small>		
05 15 16 00-0050	LF		3/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	1.76	0.20
			For >500, Deduct	-0.27	
05 15 16 00-0051	LF		7/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	2.11	0.20
			For >500, Deduct	-0.31	
05 15 16 00-0052	LF		1/2" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	2.50	0.30
			For >500, Deduct	-0.36	
05 15 16 00-0053	LF		9/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	3.34	0.40
			For >500, Deduct	-0.49	
05 15 16 00-0054	LF		5/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	3.74	0.40
			For >500, Deduct	-0.53	
05 15 16 00-0055	LF		3/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	5.14	0.72
			For >500, Deduct	-0.71	
05 15 16 00-0056	LF		7/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	6.65	0.82
			For >500, Deduct	-0.90	
05 15 16 00-0057	LF		1" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	8.77	1.12
			For >500, Deduct	-1.18	

## 05 Metals

## 05 10 Structural Metal Framing

## 05 15 Wire Rope Assemblies

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0058	LF		1-1/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope .....	10.66	1.42
			<i>For &gt;500, Deduct</i> .....	-1.42	
05 15 16 00-0059	LF		1-1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope .....	12.89	1.72
			<i>For &gt;500, Deduct</i> .....	-1.71	
<b>05 15 16 00-0060</b>			<b>6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope <sup>(05 15 16)</sup></b>		
05 15 16 00-0061	LF		3/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope .....	1.80	0.20
			<i>For &gt;500, Deduct</i> .....	-0.28	
05 15 16 00-0062	LF		7/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope .....	2.21	0.20
			<i>For &gt;500, Deduct</i> .....	-0.33	
05 15 16 00-0063	LF		1/2" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope .....	2.65	0.30
			<i>For &gt;500, Deduct</i> .....	-0.39	
05 15 16 00-0064	LF		9/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope .....	3.66	0.40
			<i>For &gt;500, Deduct</i> .....	-0.55	
05 15 16 00-0065	LF		5/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope .....	3.79	0.40
			<i>For &gt;500, Deduct</i> .....	-0.54	
05 15 16 00-0066	LF		3/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope .....	5.25	0.72
			<i>For &gt;500, Deduct</i> .....	-0.73	
05 15 16 00-0067	LF		7/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope .....	6.97	0.82
			<i>For &gt;500, Deduct</i> .....	-0.96	
05 15 16 00-0068	LF		1" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope .....	8.88	1.12
			<i>For &gt;500, Deduct</i> .....	-1.20	
<b>05 15 16 00-0069</b>			<b>19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope <sup>(05 15 16)</sup></b>		
05 15 16 00-0070	LF		1/4" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope .....	1.75	0.10
			<i>For &gt;500, Deduct</i> .....	-0.31	
05 15 16 00-0071	LF		5/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope .....	1.93	0.10
			<i>For &gt;500, Deduct</i> .....	-0.33	
05 15 16 00-0072	LF		3/8" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope .....	2.30	0.20
			<i>For &gt;500, Deduct</i> .....	-0.39	
05 15 16 00-0073	LF		7/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope .....	3.11	0.20
			<i>For &gt;500, Deduct</i> .....	-0.51	
05 15 16 00-0074	LF		1/2" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope .....	3.50	0.20
			<i>For &gt;500, Deduct</i> .....	-0.59	
05 15 16 00-0075	LF		9/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope .....	4.17	0.40
			<i>For &gt;500, Deduct</i> .....	-0.66	
05 15 16 00-0076	LF		5/8" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope .....	4.98	0.40
			<i>For &gt;500, Deduct</i> .....	-0.78	
05 15 16 00-0077	LF		3/4" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope .....	6.88	0.61
			<i>For &gt;500, Deduct</i> .....	-1.06	
<b>05 15 16 00-0078</b>			<b>7x7, Galvanized Finish, Aircraft Cable <sup>(05 15 16)</sup></b>		
05 15 16 00-0079	LF		1/16" Diameter, 7x7, Galvanized Finish, Aircraft Cable .....	0.24	0.07
			<i>For &gt;500, Deduct</i> .....	-0.03	
05 15 16 00-0080	LF		3/32" Diameter, 7x7, Galvanized Finish, Aircraft Cable .....	0.28	0.08
			<i>For &gt;500, Deduct</i> .....	-0.03	
05 15 16 00-0081	LF		1/8" Diameter, 7x7, Galvanized Finish, Aircraft Cable .....	0.31	0.09
			<i>For &gt;500, Deduct</i> .....	-0.03	
05 15 16 00-0082	LF		5/32" Diameter, 7x7, Galvanized Finish, Aircraft Cable .....	0.36	0.10
			<i>For &gt;500, Deduct</i> .....	-0.04	
05 15 16 00-0083	LF		3/16" Diameter, 7x7, Galvanized Finish, Aircraft Cable .....	0.43	0.10
			<i>For &gt;500, Deduct</i> .....	-0.05	
<b>05 15 16 00-0084</b>			<b>7x19, Galvanized Finish, Aircraft Cable <sup>(05 15 16)</sup></b>		
05 15 16 00-0085	LF		1/8" Diameter, 7x19, Galvanized Finish, Aircraft Cable .....	0.41	0.09
			<i>For &gt;500, Deduct</i> .....	-0.05	
05 15 16 00-0086	LF		5/32" Diameter, 7x19, Galvanized Finish, Aircraft Cable .....	0.45	0.10
			<i>For &gt;500, Deduct</i> .....	-0.06	
05 15 16 00-0087	LF		3/16" Diameter, 7x19, Galvanized Finish, Aircraft Cable .....	0.51	0.10
			<i>For &gt;500, Deduct</i> .....	-0.06	
05 15 16 00-0088	LF		1/4" Diameter, 7x19, Galvanized Finish, Aircraft Cable .....	0.57	0.10
			<i>For &gt;500, Deduct</i> .....	-0.08	
05 15 16 00-0089	LF		5/16" Diameter, 7x19, Galvanized Finish, Aircraft Cable .....	0.88	0.10
			<i>For &gt;500, Deduct</i> .....	-0.12	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0090	LF	3/8" Diameter, 7x19, Galvanized Finish, Aircraft Cable ..... <i>For &gt;500, Deduct</i>	1.19 -0.16	0.10
<b>05 15 16 00-0091</b>		<b>Heavy Duty, Galvanized Steel, Wire Rope Thimbles (05 15 16)</b>		
05 15 16 00-0092	EA	1/4" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble .....	12.37	3.05
05 15 16 00-0093	EA	5/16" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble .....	13.72	3.05
05 15 16 00-0094	EA	3/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble .....	15.23	3.05
05 15 16 00-0095	EA	7/16" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble .....	19.37	3.05
05 15 16 00-0096	EA	1/2" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble .....	19.39	3.05
05 15 16 00-0097	EA	9/16" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble .....	19.39	3.05
05 15 16 00-0098	EA	5/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble .....	20.79	3.05
05 15 16 00-0099	EA	3/4" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble .....	37.33	4.68
05 15 16 00-0100	EA	7/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble .....	44.21	5.69
05 15 16 00-0101	EA	1" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble .....	78.08	9.35
05 15 16 00-0102	EA	1-1/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble .....	111.51	12.71
05 15 16 00-0103	EA	1-1/4" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble .....	111.51	12.71
<b>05 15 16 00-0104</b>		<b>Galvanized Steel, Wire Rope Clips (05 15 16)</b>		
05 15 16 00-0105	EA	1/8" Diameter, Galvanized Steel, Wire Rope Clip .....	11.53	3.05
05 15 16 00-0106	EA	3/16" Diameter, Galvanized Steel, Wire Rope Clip .....	11.61	3.05
05 15 16 00-0107	EA	1/4" Diameter, Galvanized Steel, Wire Rope Clip .....	12.19	3.05
05 15 16 00-0108	EA	5/16" Diameter, Galvanized Steel, Wire Rope Clip .....	12.28	3.05
05 15 16 00-0109	EA	3/8" Diameter, Galvanized Steel, Wire Rope Clip .....	12.40	3.05
05 15 16 00-0110	EA	7/16" Diameter, Galvanized Steel, Wire Rope Clip .....	13.64	3.05
05 15 16 00-0111	EA	1/2" Diameter, Galvanized Steel, Wire Rope Clip .....	13.73	3.05
05 15 16 00-0112	EA	9/16" Diameter, Galvanized Steel, Wire Rope Clip .....	14.82	3.05
05 15 16 00-0113	EA	5/8" Diameter, Galvanized Steel, Wire Rope Clip .....	14.95	3.05
05 15 16 00-0114	EA	3/4" Diameter, Galvanized Steel, Wire Rope Clip .....	21.49	4.06
05 15 16 00-0115	EA	7/8" Diameter, Galvanized Steel, Wire Rope Clip .....	33.19	6.10
05 15 16 00-0116	EA	1" Diameter, Galvanized Steel, Wire Rope Clip .....	35.12	6.10
05 15 16 00-0117	EA	1-1/8" Diameter, Galvanized Steel, Wire Rope Clip .....	43.06	8.13
05 15 16 00-0118	EA	1-1/4" Diameter, Galvanized Steel, Wire Rope Clip .....	62.85	12.20
<b>05 15 16 00-0119</b>		<b>Steel, Open Swage Sockets (05 15 16)</b>		
05 15 16 00-0120	EA	1/4" Diameter, Steel, Open Swage Socket .....	70.02	3.05
05 15 16 00-0121	EA	5/16" Diameter, Steel, Open Swage Socket .....	110.78	3.05
05 15 16 00-0122	EA	3/8" Diameter, Steel, Open Swage Socket .....	114.80	4.06
05 15 16 00-0123	EA	7/16" Diameter, Steel, Open Swage Socket .....	137.06	5.08
05 15 16 00-0124	EA	1/2" Diameter, Steel, Open Swage Socket .....	137.06	5.08
05 15 16 00-0125	EA	9/16" Diameter, Steel, Open Swage Socket .....	203.38	11.19
05 15 16 00-0126	EA	5/8" Diameter, Steel, Open Swage Socket .....	203.38	11.19
05 15 16 00-0127	EA	3/4" Diameter, Steel, Open Swage Socket .....	264.81	21.35
05 15 16 00-0128	EA	7/8" Diameter, Steel, Open Swage Socket .....	357.52	30.50
05 15 16 00-0129	EA	1" Diameter, Steel, Open Swage Socket .....	506.46	46.77
05 15 16 00-0130	EA	1-1/8" Diameter, Steel, Open Swage Socket .....	674.28	73.21
05 15 16 00-0131	EA	1-1/4" Diameter, Steel, Open Swage Socket .....	785.18	84.39
<b>05 15 16 00-0132</b>		<b>Steel, Closed Swage Sockets (05 15 16)</b>		
05 15 16 00-0133	EA	1/4" Diameter, Steel, Closed Swage Socket .....	56.70	3.05
05 15 16 00-0134	EA	5/16" Diameter, Steel, Closed Swage Socket .....	76.07	3.05
05 15 16 00-0135	EA	3/8" Diameter, Steel, Closed Swage Socket .....	76.07	3.05
05 15 16 00-0136	EA	7/16" Diameter, Steel, Closed Swage Socket .....	95.18	4.06
05 15 16 00-0137	EA	1/2" Diameter, Steel, Closed Swage Socket .....	96.30	4.06
05 15 16 00-0138	EA	9/16" Diameter, Steel, Closed Swage Socket .....	133.58	7.12
05 15 16 00-0139	EA	5/8" Diameter, Steel, Closed Swage Socket .....	138.42	8.13
05 15 16 00-0140	EA	3/4" Diameter, Steel, Closed Swage Socket .....	172.91	13.21
05 15 16 00-0141	EA	7/8" Diameter, Steel, Closed Swage Socket .....	225.35	19.32
05 15 16 00-0142	EA	1" Diameter, Steel, Closed Swage Socket .....	322.18	26.44
05 15 16 00-0143	EA	1-1/8" Diameter, Steel, Closed Swage Socket .....	401.73	36.60
05 15 16 00-0144	EA	1-1/4" Diameter, Steel, Closed Swage Socket .....	550.16	56.94
<b>05 15 16 00-0145</b>		<b>Galvanized Steel, Open Spelter Sockets (05 15 16)</b>		
05 15 16 00-0146	EA	1/4" Galvanized Steel, Open Spelter Socket .....	115.93	3.05
05 15 16 00-0147	EA	5/16" Galvanized Steel, Open Spelter Socket .....	119.48	3.05
05 15 16 00-0148	EA	3/8" Galvanized Steel, Open Spelter Socket .....	119.48	3.05
05 15 16 00-0149	EA	7/16" Galvanized Steel, Open Spelter Socket .....	135.14	6.10
05 15 16 00-0150	EA	1/2" Galvanized Steel, Open Spelter Socket .....	135.14	6.10
05 15 16 00-0151	EA	9/16" Galvanized Steel, Open Spelter Socket .....	179.07	10.17
05 15 16 00-0152	EA	5/8" Galvanized Steel, Open Spelter Socket .....	179.07	10.17
05 15 16 00-0153	EA	3/4" Galvanized Steel, Open Spelter Socket .....	228.67	15.25
05 15 16 00-0154	EA	7/8" Galvanized Steel, Open Spelter Socket .....	343.91	25.42
05 15 16 00-0155	EA	1" Galvanized Steel, Open Spelter Socket .....	620.06	39.65
05 15 16 00-0156	EA	1-1/8" Galvanized Steel, Open Spelter Socket .....	742.15	64.06
05 15 16 00-0157	EA	1-1/4" Galvanized Steel, Open Spelter Socket .....	1,002.26	84.39
<b>05 15 16 00-0158</b>		<b>Galvanized Steel, Closed Spelter Sockets (05 15 16)</b>		
05 15 16 00-0159	EA	1/4" Galvanized Steel, Closed Spelter Socket .....	97.51	3.05
05 15 16 00-0160	EA	5/16" Galvanized Steel, Closed Spelter Socket .....	97.94	3.05

**05 Metals**  
**05 10 Structural Metal Framing**  
**05 15 Wire Rope Assemblies**

MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

05 15 16 00-0161	EA	3/8" Galvanized Steel, Closed Spelter Socket	97.94	3.05
05 15 16 00-0162	EA	7/16" Galvanized Steel, Closed Spelter Socket	111.04	5.08
05 15 16 00-0163	EA	1/2" Galvanized Steel, Closed Spelter Socket	111.04	5.08
05 15 16 00-0164	EA	9/16" Galvanized Steel, Closed Spelter Socket	157.13	9.15
05 15 16 00-0165	EA	5/8" Galvanized Steel, Closed Spelter Socket	157.13	9.15
05 15 16 00-0166	EA	3/4" Galvanized Steel, Closed Spelter Socket	194.68	13.21
05 15 16 00-0167	EA	7/8" Galvanized Steel, Closed Spelter Socket	284.86	20.33
05 15 16 00-0168	EA	1" Galvanized Steel, Closed Spelter Socket	430.98	31.52
05 15 16 00-0169	EA	1-1/8" Galvanized Steel, Closed Spelter Socket	564.78	42.71
05 15 16 00-0170	EA	1-1/4" Galvanized Steel, Closed Spelter Socket	713.91	56.94

**05 15 16 00-0171 Forged Steel, Jaw And Jaw Turnbuckles (05 15 16)**

05 15 16 00-0172	EA	1/4" x 4", Forged Steel, Jaw And Jaw Turnbuckle	67.65	3.05
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-8.62	
05 15 16 00-0173	EA	5/16" x 4-1/2", Forged Steel, Jaw And Jaw Turnbuckle	72.43	3.05
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-9.34	
05 15 16 00-0174	EA	3/8" x 6", Forged Steel, Jaw And Jaw Turnbuckle	81.29	3.05
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-10.67	
05 15 16 00-0175	EA	1/2" x 6", Forged Steel, Jaw And Jaw Turnbuckle	91.07	4.06
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-11.10	
05 15 16 00-0176	EA	1/2" x 9", Forged Steel, Jaw And Jaw Turnbuckle	119.63	5.08
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-14.77	
05 15 16 00-0177	EA	1/2" x 12", Forged Steel, Jaw And Jaw Turnbuckle	135.99	6.10
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-16.72	
05 15 16 00-0178	EA	5/8" x 6", Forged Steel, Jaw And Jaw Turnbuckle	139.48	8.13
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-16.23	
05 15 16 00-0179	EA	5/8" x 9", Forged Steel, Jaw And Jaw Turnbuckle	171.77	8.13
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-20.68	
05 15 16 00-0180	EA	5/8" x 12", Forged Steel, Jaw And Jaw Turnbuckle	194.69	9.15
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-23.76	
05 15 16 00-0181	EA	3/4" x 6", Forged Steel, Jaw And Jaw Turnbuckle	188.25	11.19
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-21.75	
05 15 16 00-0182	EA	3/4" x 9", Forged Steel, Jaw And Jaw Turnbuckle	215.00	13.21
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-24.22	
05 15 16 00-0183	EA	3/4" x 12", Forged Steel, Jaw And Jaw Turnbuckle	264.23	14.23
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-30.92	
05 15 16 00-0184	EA	3/4" x 18", Forged Steel, Jaw And Jaw Turnbuckle	317.91	17.29
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-37.17	
05 15 16 00-0185	EA	7/8" x 12", Forged Steel, Jaw And Jaw Turnbuckle	364.60	24.40
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-40.16	
05 15 16 00-0186	EA	7/8" x 18", Forged Steel, Jaw And Jaw Turnbuckle	441.51	28.47
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-49.28	
05 15 16 00-0187	EA	1" x 6", Forged Steel, Jaw And Jaw Turnbuckle	378.16	24.40
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-42.20	
05 15 16 00-0188	EA	1" x 12", Forged Steel, Jaw And Jaw Turnbuckle	435.31	31.52
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-46.23	
05 15 16 00-0189	EA	1" x 18", Forged Steel, Jaw And Jaw Turnbuckle	594.01	39.65
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-65.64	
05 15 16 00-0190	EA	1" x 24", Forged Steel, Jaw And Jaw Turnbuckle	665.86	46.77
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-72.15	
05 15 16 00-0191	EA	1-1/4" x 12", Forged Steel, Jaw And Jaw Turnbuckle	745.17	56.94
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-77.88	
05 15 16 00-0192	EA	1-1/4" x 18", Forged Steel, Jaw And Jaw Turnbuckle	896.70	64.06
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-96.38	
05 15 16 00-0193	EA	1-1/4" x 24", Forged Steel, Jaw And Jaw Turnbuckle	1,155.28	73.21
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-129.72	
05 15 16 00-0194	EA	1-1/2" x 12", Forged Steel, Jaw And Jaw Turnbuckle	1,146.36	78.29
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-125.03	
05 15 16 00-0195	EA	1-1/2" x 18", Forged Steel, Jaw And Jaw Turnbuckle	1,271.48	101.67
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-129.72	
05 15 16 00-0196	EA	1-1/2" x 24", Forged Steel, Jaw And Jaw Turnbuckle	2,253.57	132.17
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-261.78	
05 15 16 00-0197	EA	2" x 24", Forged Steel, Jaw And Jaw Turnbuckle	3,725.68	254.19
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-406.34	

**05 15 16 00-0198 Galvanized Steel, Drop Forged, Shoulder Eye Bolts (05 15 16)**

05 15 16 00-0199	EA	1/4" Diameter Thread, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	15.19	
05 15 16 00-0200	EA	5/16" Diameter Thread, 7/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	15.26	
05 15 16 00-0201	EA	3/8" Diameter Thread, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	17.05	
05 15 16 00-0202	EA	7/16" Diameter Thread, 1-3/32" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	20.31	
05 15 16 00-0203	EA	1/2" Diameter Thread, 1-3/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	20.23	
05 15 16 00-0204	EA	5/8" Diameter Thread, 1-3/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	27.35	
05 15 16 00-0205	EA	3/4" Diameter Thread, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	32.58	
05 15 16 00-0206	EA	7/8" Diameter Thread, 1-11/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	43.69	
05 15 16 00-0207	EA	1" Diameter Thread, 1-13/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	58.09	
05 15 16 00-0208	EA	1-1/8" Diameter Thread, 2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	84.03	
05 15 16 00-0209	EA	1-1/4" Diameter Thread, 2-3/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	99.82	
05 15 16 00-0210	EA	1-1/2" Diameter Thread, 2-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	180.11	
05 15 16 00-0211	EA	1-3/4" Diameter Thread, 2-7/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	206.45	
05 15 16 00-0212	EA	2" Diameter Thread, 3-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	254.97	

**05 15 16 00-0213 Galvanized Steel, Drop Forged, Eye Bolts (05 15 16)**

05 15 16 00-0214	EA	1/4" Diameter Thread, 3" Shank Length, 1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	19.67	
05 15 16 00-0215	EA	1/4" Diameter Thread, 4" Shank Length, 1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	17.88	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 15 16 00-0216	EA		5/16" Diameter Thread, 2-1/4" Shank Length, 5/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt .....	23.83	
05 15 16 00-0217	EA		5/16" Diameter Thread, 4-1/4" Shank Length, 5/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt .....	16.38	
05 15 16 00-0218	EA		3/8" Diameter Thread, 2-1/2" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt .....	21.70	
05 15 16 00-0219	EA		3/8" Diameter Thread, 3" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt .....	32.15	
05 15 16 00-0220	EA		3/8" Diameter Thread, 4" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt .....	31.23	
05 15 16 00-0221	EA		3/8" Diameter Thread, 4-1/2" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt .....	29.73	
05 15 16 00-0222	EA		3/8" Diameter Thread, 5" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt .....	26.77	
05 15 16 00-0223	EA		3/8" Diameter Thread, 6" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt .....	27.63	
05 15 16 00-0224	EA		1/2" Diameter Thread, 2" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt .....	24.62	
05 15 16 00-0225	EA		1/2" Diameter Thread, 3" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt .....	19.91	
05 15 16 00-0226	EA		1/2" Diameter Thread, 3-1/4" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt .....	25.55	
05 15 16 00-0227	EA		1/2" Diameter Thread, 4" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt .....	34.48	
05 15 16 00-0228	EA		1/2" Diameter Thread, 4-1/2" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt .....	26.49	
05 15 16 00-0229	EA		1/2" Diameter Thread, 6" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt .....	41.88	
05 15 16 00-0230	EA		1/2" Diameter Thread, 8" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt .....	37.04	
05 15 16 00-0231	EA		1/2" Diameter Thread, 10" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt .....	33.94	
05 15 16 00-0232	EA		1/2" Diameter Thread, 12" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt .....	39.69	
05 15 16 00-0233	EA		5/8" Diameter Thread, 4" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt .....	40.32	
05 15 16 00-0234	EA		5/8" Diameter Thread, 4-1/2" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt .....	36.06	
05 15 16 00-0235	EA		5/8" Diameter Thread, 6" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt .....	45.03	
05 15 16 00-0236	EA		5/8" Diameter Thread, 8" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt .....	51.44	
05 15 16 00-0237	EA		5/8" Diameter Thread, 10" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt .....	59.12	
05 15 16 00-0238	EA		5/8" Diameter Thread, 12" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt .....	49.10	
05 15 16 00-0239	EA		3/4" Diameter Thread, 4-1/2" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt .....	48.99	
05 15 16 00-0240	EA		3/4" Diameter Thread, 6" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt .....	49.98	
05 15 16 00-0241	EA		3/4" Diameter Thread, 8" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt .....	55.12	
05 15 16 00-0242	EA		3/4" Diameter Thread, 10" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt .....	59.36	
05 15 16 00-0243	EA		3/4" Diameter Thread, 12" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt .....	69.11	
05 15 16 00-0244	EA		1" Diameter Thread, 8" Shank Length, 2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt .....	91.16	

**05 15 19 Stainless Steel Wire Rope Assemblies (05 15)**

**05 15 19 00-0001 7x7, 304 Stainless Steel, Aircraft Cable (05 15 19)**

05 15 19 00-0002	LF		1/16" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable .....	0.25	0.07
			<i>For &gt;500, Deduct</i>	-0.03	
05 15 19 00-0003	LF		3/32" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable .....	0.32	0.08
			<i>For &gt;500, Deduct</i>	-0.04	
05 15 19 00-0004	LF		1/8" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable .....	0.41	0.09
			<i>For &gt;500, Deduct</i>	-0.05	
05 15 19 00-0005	LF		5/32" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable .....	0.54	0.10
			<i>For &gt;500, Deduct</i>	-0.08	
05 15 19 00-0006	LF		3/16" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable .....	0.66	0.10
			<i>For &gt;500, Deduct</i>	-0.09	

**05 15 19 00-0007 7x19, 304 Stainless Steel, Aircraft Cable (05 15 19)**

05 15 19 00-0008	LF		1/8" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable .....	0.46	0.09
			<i>For &gt;500, Deduct</i>	-0.06	
05 15 19 00-0009	LF		5/32" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable .....	0.54	0.10
			<i>For &gt;500, Deduct</i>	-0.08	
05 15 19 00-0010	LF		3/16" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable .....	0.63	0.10
			<i>For &gt;500, Deduct</i>	-0.09	
05 15 19 00-0011	LF		1/4" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable .....	0.78	0.10
			<i>For &gt;500, Deduct</i>	-0.12	
05 15 19 00-0012	LF		5/16" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable .....	1.20	0.10
			<i>For &gt;500, Deduct</i>	-0.19	
05 15 19 00-0013	LF		3/8" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable .....	1.79	0.20
			<i>For &gt;500, Deduct</i>	-0.28	

**05 15 19 00-0014 7x7, 316 Stainless Steel, Aircraft Cable (05 15 19)**

05 15 19 00-0015	LF		1/16" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable .....	0.25	0.07
			<i>For &gt;500, Deduct</i>	-0.03	
05 15 19 00-0016	LF		3/32" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable .....	0.32	0.08
			<i>For &gt;500, Deduct</i>	-0.04	
05 15 19 00-0017	LF		1/8" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable .....	0.41	0.09
			<i>For &gt;500, Deduct</i>	-0.05	
05 15 19 00-0018	LF		5/32" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable .....	0.54	0.10
			<i>For &gt;500, Deduct</i>	-0.08	
05 15 19 00-0019	LF		3/16" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable .....	0.66	0.10
			<i>For &gt;500, Deduct</i>	-0.09	

**05 15 19 00-0020 7x19, 316 Stainless Steel, Aircraft Cable (05 15 19)**

05 15 19 00-0021	LF		1/8" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable .....	0.46	0.09
			<i>For &gt;500, Deduct</i>	-0.06	
05 15 19 00-0022	LF		5/32" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable .....	0.54	0.10
			<i>For &gt;500, Deduct</i>	-0.08	
05 15 19 00-0023	LF		3/16" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable .....	0.63	0.10
			<i>For &gt;500, Deduct</i>	-0.09	
05 15 19 00-0024	LF		1/4" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable .....	0.78	0.10
			<i>For &gt;500, Deduct</i>	-0.12	
05 15 19 00-0025	LF		5/16" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable .....	1.20	0.10
			<i>For &gt;500, Deduct</i>	-0.19	
05 15 19 00-0026	LF		3/8" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable .....	1.79	0.10
			<i>For &gt;500, Deduct</i>	-0.28	

**05 Metals****05 10 Structural Metal Framing****05 15 Wire Rope Assemblies**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST
**05 20 Metal Joists** <sup>(05)</sup>

Note: Includes all connecting bolts and welds.

**05 21 Steel Joist Framing** <sup>(05 20)</sup>**05 21 19 Open Web Steel Joist Framing** <sup>(05 21)</sup>

05 21 19 00-0001	TON H, J Or K Open Web Joist, Up To 30' Span, Steel, Horizontal Bridging.....	2,611.49	178.64
	<i>For Welded Cross Bridging, Add</i>	223.29	
	<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	224.06	
05 21 19 00-0002	TON H, J Or K Open Web Joist, >30' To 50' Span, Steel, Horizontal Bridging.....	2,395.42	167.47
	<i>For Welded Cross Bridging, Add</i>	198.48	
	<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	208.06	
05 21 19 00-0003	TON LJ Or LH Open Web Joist, Up To 96' Span, Steel, Bolted Cross Bridging.....	2,884.40	167.47
	<i>For Welded Cross Bridging, Add</i>	206.12	
	<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	263.68	
05 21 19 00-0004	TON DLJ Or DLH Open Web Joist, Up To 144' Span, Steel, Bolted Cross Bridging.....	3,275.04	167.47
	<i>For Welded Cross Bridging, Add</i>	206.12	
	<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	310.56	
05 21 19 00-0005	TON CS Open Web Joist, Up To 30' Span, Steel, Horizontal Bridging .....	2,892.82	167.47
	<i>For Welded Cross Bridging, Add</i>	223.29	
	<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	257.82	
05 21 19 00-0006	TON SLH Open Web Joist, Up To 200' Span, Steel, Bolted Cross Bridging .....	3,616.85	167.47
	<i>For Welded Cross Bridging, Add</i>	206.12	
	<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	351.58	

**05 30 Metal Decking** <sup>(05)</sup>

Note: Includes all connecting bolts and welds.

**05 31 Steel Decking** <sup>(05 30)</sup>

See CSI section 03 30 00 00-0000 for concrete where required.

**05 31 13 Steel Floor Decking** <sup>(05 31)</sup>

Note: Floor or roof decking

**05 31 13 00-0001 Open Ribbed Galvanized Steel Deck** <sup>(05 31 13)</sup>

05 31 13 00-0002	SF 1" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck .....	3.11	
	<i>For Painted, Deduct</i>	-0.13	
	<i>For Perforated Or Slotted, Add</i>	0.13	
	<i>For Site Installed Insulation Between Ribs, Add</i>	0.82	
	<i>For Up To 100, Add</i>	0.82	
	<i>For &gt;100 To 500, Add</i>	0.48	
	<i>For &gt;500 To 1,500, Add</i>	0.14	
05 31 13 00-0003	SF 1" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck .....	3.54	
	<i>For Painted, Deduct</i>	-0.14	
	<i>For Perforated Or Slotted, Add</i>	0.14	
	<i>For Site Installed Insulation Between Ribs, Add</i>	0.94	
	<i>For Up To 100, Add</i>	0.96	
	<i>For &gt;100 To 500, Add</i>	0.56	
	<i>For &gt;500 To 1,500, Add</i>	0.17	
05 31 13 00-0004	SF 1" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck .....	4.45	
	<i>For Painted, Deduct</i>	-0.18	
	<i>For Perforated Or Slotted, Add</i>	0.18	
	<i>For Site Installed Insulation Between Ribs, Add</i>	1.17	
	<i>For Up To 100, Add</i>	1.17	
	<i>For &gt;100 To 500, Add</i>	0.69	
	<i>For &gt;500 To 1,500, Add</i>	0.20	
05 31 13 00-0005	SF 1-1/2" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck.....	3.41	
	<i>For Painted, Deduct</i>	-0.14	
	<i>For Perforated Or Slotted, Add</i>	0.14	
	<i>For Site Installed Insulation Between Ribs, Add</i>	0.90	
	<i>For Up To 100, Add</i>	0.92	
	<i>For &gt;100 To 500, Add</i>	0.53	
	<i>For &gt;500 To 1,500, Add</i>	0.16	
05 31 13 00-0006	SF 1-1/2" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck.....	3.93	
	<i>For Painted, Deduct</i>	-0.16	
	<i>For Perforated Or Slotted, Add</i>	0.16	
	<i>For Site Installed Insulation Between Ribs, Add</i>	1.04	
	<i>For Up To 100, Add</i>	1.06	
	<i>For &gt;100 To 500, Add</i>	0.62	
	<i>For &gt;500 To 1,500, Add</i>	0.19	
05 31 13 00-0007	SF 1-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	4.94	
	<i>For Painted, Deduct</i>	-0.20	
	<i>For Perforated Or Slotted, Add</i>	0.20	
	<i>For Site Installed Insulation Between Ribs, Add</i>	1.30	
	<i>For Up To 100, Add</i>	1.31	
	<i>For &gt;100 To 500, Add</i>	0.77	
	<i>For &gt;500 To 1,500, Add</i>	0.23	
05 31 13 00-0008	SF 2" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck.....	3.87	
	<i>For Painted, Deduct</i>	-0.16	
	<i>For Perforated Or Slotted, Add</i>	0.16	
	<i>For Site Installed Insulation Between Ribs, Add</i>	1.02	
	<i>For Up To 100, Add</i>	1.00	
	<i>For &gt;100 To 500, Add</i>	0.59	
	<i>For &gt;500 To 1,500, Add</i>	0.17	

	MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31	13 00-0009	SF	2" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck.....	4.49	
			<i>For Painted, Deduct</i>	-0.19	
			<i>For Perforated Or Slotted, Add</i>	0.19	
			<i>For Site Installed Insulation Between Ribs, Add</i>	1.18	
			<i>For Up To 100, Add</i>	1.15	
			<i>For &gt;100 To 500, Add</i>	0.68	
			<i>For &gt;500 To 1,500, Add</i>	0.20	
05 31	13 00-0010	SF	2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	5.53	
			<i>For Painted, Deduct</i>	-0.23	
			<i>For Perforated Or Slotted, Add</i>	0.23	
			<i>For Site Installed Insulation Between Ribs, Add</i>	1.45	
			<i>For Up To 100, Add</i>	1.34	
			<i>For &gt;100 To 500, Add</i>	0.81	
			<i>For &gt;500 To 1,500, Add</i>	0.22	
05 31	13 00-0011	SF	2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck.....	6.98	
			<i>For Painted, Deduct</i>	-0.30	
			<i>For Perforated Or Slotted, Add</i>	0.30	
			<i>For Site Installed Insulation Between Ribs, Add</i>	1.82	
			<i>For Up To 100, Add</i>	1.56	
			<i>For &gt;100 To 500, Add</i>	0.99	
			<i>For &gt;500 To 1,500, Add</i>	0.24	
05 31	13 00-0012	SF	3" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck.....	4.32	
			<i>For Painted, Deduct</i>	-0.18	
			<i>For Perforated Or Slotted, Add</i>	0.18	
			<i>For Site Installed Insulation Between Ribs, Add</i>	1.13	
			<i>For Up To 100, Add</i>	1.07	
			<i>For &gt;100 To 500, Add</i>	0.65	
			<i>For &gt;500 To 1,500, Add</i>	0.18	
05 31	13 00-0013	SF	3" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck.....	5.05	
			<i>For Painted, Deduct</i>	-0.21	
			<i>For Perforated Or Slotted, Add</i>	0.21	
			<i>For Site Installed Insulation Between Ribs, Add</i>	1.32	
			<i>For Up To 100, Add</i>	1.23	
			<i>For &gt;100 To 500, Add</i>	0.75	
			<i>For &gt;500 To 1,500, Add</i>	0.20	
05 31	13 00-0014	SF	3" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	6.30	
			<i>For Painted, Deduct</i>	-0.26	
			<i>For Perforated Or Slotted, Add</i>	0.26	
			<i>For Site Installed Insulation Between Ribs, Add</i>	1.65	
			<i>For Up To 100, Add</i>	1.54	
			<i>For &gt;100 To 500, Add</i>	0.93	
			<i>For &gt;500 To 1,500, Add</i>	0.25	
05 31	13 00-0015	SF	3" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck.....	7.93	
			<i>For Painted, Deduct</i>	-0.34	
			<i>For Perforated Or Slotted, Add</i>	0.34	
			<i>For Site Installed Insulation Between Ribs, Add</i>	2.07	
			<i>For Up To 100, Add</i>	1.89	
			<i>For &gt;100 To 500, Add</i>	1.16	
			<i>For &gt;500 To 1,500, Add</i>	0.31	
05 31	13 00-0016	SF	4-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	11.76	
			<i>For Painted, Deduct</i>	-0.53	
			<i>For Perforated Or Slotted, Add</i>	0.53	
			<i>For Site Installed Insulation Between Ribs, Add</i>	3.02	
			<i>For Up To 100, Add</i>	2.17	
			<i>For &gt;100 To 500, Add</i>	1.51	
			<i>For &gt;500 To 1,500, Add</i>	0.28	
05 31	13 00-0017	SF	4-1/2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck.....	14.57	
			<i>For Painted, Deduct</i>	-0.68	
			<i>For Perforated Or Slotted, Add</i>	0.68	
			<i>For Site Installed Insulation Between Ribs, Add</i>	3.72	
			<i>For Up To 100, Add</i>	2.37	
			<i>For &gt;100 To 500, Add</i>	1.76	
			<i>For &gt;500 To 1,500, Add</i>	0.25	
05 31	13 00-0018	SF	6" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck.....	14.47	
			<i>For Painted, Deduct</i>	-0.63	
			<i>For Perforated Or Slotted, Add</i>	0.63	
			<i>For Site Installed Insulation Between Ribs, Add</i>	3.76	
			<i>For Up To 100, Add</i>	3.21	
			<i>For &gt;100 To 500, Add</i>	2.04	
			<i>For &gt;500 To 1,500, Add</i>	0.49	
05 31	13 00-0019	SF	6" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	14.16	
			<i>For Painted, Deduct</i>	-0.65	
			<i>For Perforated Or Slotted, Add</i>	0.65	
			<i>For Site Installed Insulation Between Ribs, Add</i>	3.63	
			<i>For Up To 100, Add</i>	2.51	
			<i>For &gt;100 To 500, Add</i>	1.78	
			<i>For &gt;500 To 1,500, Add</i>	0.31	
05 31	13 00-0020	SF	6" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck.....	17.68	
			<i>For Painted, Deduct</i>	-0.81	
			<i>For Perforated Or Slotted, Add</i>	0.81	
			<i>For Site Installed Insulation Between Ribs, Add</i>	4.53	
			<i>For Up To 100, Add</i>	3.10	
			<i>For &gt;100 To 500, Add</i>	2.21	
			<i>For &gt;500 To 1,500, Add</i>	0.37	
05 31	13 00-0021	SF	7-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	15.65	
			<i>For Painted, Deduct</i>	-0.72	
			<i>For Perforated Or Slotted, Add</i>	0.72	
			<i>For Site Installed Insulation Between Ribs, Add</i>	4.01	
			<i>For Up To 100, Add</i>	2.77	
			<i>For &gt;100 To 500, Add</i>	1.97	
			<i>For &gt;500 To 1,500, Add</i>	0.34	

**05 Metals****05 30 Metal Decking****05 31 Steel Decking**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

05 31 13 00-0022	SF	7-1/2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck.....	19.51	
		<i>For Painted, Deduct</i>	-0.89	
		<i>For Perforated Or Slotted, Add</i>	0.89	
		<i>For Site Installed Insulation Between Ribs, Add</i>	5.00	
		<i>For Up To 100, Add</i>	3.42	
		<i>For &gt;100 To 500, Add</i>	2.44	
		<i>For &gt;500 To 1,500, Add</i>	0.41	

**05 31 13 00-0023 Cellular Galvanized Steel Deck** (05 31 13)

Note: Cellular decking is made of a top ribbed sheet and a flat bottom sheet welded together to create hollow longitudinal cells within the panels.

05 31 13 00-0024	SF	1" Deep, 22/18 Gauge Cellular Galvanized Steel Deck.....	10.33	
		<i>For Painted, Deduct</i>	-0.47	
		<i>For Perforated Or Slotted, Add</i>	0.47	
		<i>For Insulated Cells, Add</i>	2.09	
		<i>For Site Installed Insulation Between Ribs, Add</i>	2.66	
		<i>For Up To 100, Add</i>	1.96	
		<i>For &gt;100 To 500, Add</i>	1.34	
		<i>For &gt;500 To 1,500, Add</i>	0.26	
05 31 13 00-0025	SF	1" Deep, 18/18 Gauge Cellular Galvanized Steel Deck.....	11.21	
		<i>For Painted, Deduct</i>	-0.49	
		<i>For Perforated Or Slotted, Add</i>	0.49	
		<i>For Insulated Cells, Add</i>	2.22	
		<i>For Site Installed Insulation Between Ribs, Add</i>	2.90	
		<i>For Up To 100, Add</i>	2.35	
		<i>For &gt;100 To 500, Add</i>	1.53	
		<i>For &gt;500 To 1,500, Add</i>	0.34	
05 31 13 00-0026	SF	1-1/2" Deep, 22/18 Gauge Cellular Galvanized Steel Deck.....	12.70	
		<i>For Painted, Deduct</i>	-0.58	
		<i>For Perforated Or Slotted, Add</i>	0.58	
		<i>For Insulated Cells, Add</i>	2.61	
		<i>For Site Installed Insulation Between Ribs, Add</i>	3.25	
		<i>For Up To 100, Add</i>	2.24	
		<i>For &gt;100 To 500, Add</i>	1.59	
		<i>For &gt;500 To 1,500, Add</i>	0.27	
05 31 13 00-0027	SF	1-1/2" Deep, 18/18 Gauge Cellular Galvanized Steel Deck.....	13.72	
		<i>For Painted, Deduct</i>	-0.61	
		<i>For Perforated Or Slotted, Add</i>	0.61	
		<i>For Insulated Cells, Add</i>	2.77	
		<i>For Site Installed Insulation Between Ribs, Add</i>	3.54	
		<i>For Up To 100, Add</i>	2.66	
		<i>For &gt;100 To 500, Add</i>	1.80	
		<i>For &gt;500 To 1,500, Add</i>	0.36	
05 31 13 00-0028	SF	3" Deep, 20/18 Gauge Cellular Galvanized Steel Deck.....	14.53	
		<i>For Painted, Deduct</i>	-0.66	
		<i>For Perforated Or Slotted, Add</i>	0.66	
		<i>For Insulated Cells, Add</i>	2.98	
		<i>For Site Installed Insulation Between Ribs, Add</i>	3.73	
		<i>For Up To 100, Add</i>	2.61	
		<i>For &gt;100 To 500, Add</i>	1.84	
		<i>For &gt;500 To 1,500, Add</i>	0.32	
05 31 13 00-0029	SF	3" Deep, 18/18 Gauge Cellular Galvanized Steel Deck.....	17.38	
		<i>For Painted, Deduct</i>	-0.79	
		<i>For Perforated Or Slotted, Add</i>	0.79	
		<i>For Insulated Cells, Add</i>	3.57	
		<i>For Site Installed Insulation Between Ribs, Add</i>	4.46	
		<i>For Up To 100, Add</i>	3.10	
		<i>For &gt;100 To 500, Add</i>	2.19	
		<i>For &gt;500 To 1,500, Add</i>	0.38	
05 31 13 00-0030	SF	3" Deep, 18/16 Gauge Cellular Galvanized Steel Deck.....	19.50	
		<i>For Painted, Deduct</i>	-0.89	
		<i>For Perforated Or Slotted, Add</i>	0.89	
		<i>For Insulated Cells, Add</i>	4.02	
		<i>For Site Installed Insulation Between Ribs, Add</i>	5.00	
		<i>For Up To 100, Add</i>	3.42	
		<i>For &gt;100 To 500, Add</i>	2.44	
		<i>For &gt;500 To 1,500, Add</i>	0.41	
05 31 13 00-0031	SF	3" Deep, 16/16 Gauge Cellular Galvanized Steel Deck.....	21.07	
		<i>For Painted, Deduct</i>	-0.97	
		<i>For Perforated Or Slotted, Add</i>	0.97	
		<i>For Insulated Cells, Add</i>	4.35	
		<i>For Site Installed Insulation Between Ribs, Add</i>	5.40	
		<i>For Up To 100, Add</i>	3.68	
		<i>For &gt;100 To 500, Add</i>	2.63	
		<i>For &gt;500 To 1,500, Add</i>	0.44	
05 31 13 00-0032	SF	4-1/2" Deep, 20/18 Gauge Cellular Galvanized Steel Deck.....	22.60	
		<i>For Painted, Deduct</i>	-1.06	
		<i>For Perforated Or Slotted, Add</i>	1.06	
		<i>For Insulated Cells, Add</i>	4.79	
		<i>For Site Installed Insulation Between Ribs, Add</i>	5.75	
		<i>For Up To 100, Add</i>	3.44	
		<i>For &gt;100 To 500, Add</i>	2.65	
		<i>For &gt;500 To 1,500, Add</i>	0.33	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 31 13 00-0033	SF		4-1/2" Deep, 18/18 Gauge Cellular Galvanized Steel Deck.....	24.02	
			<i>For Painted, Deduct</i>	-1.12	
			<i>For Perforated Or Slotted, Add</i>	1.12	
			<i>For Insulated Cells, Add</i>	5.06	
			<i>For Site Installed Insulation Between Ribs, Add</i>	6.12	
			<i>For Up To 100, Add</i>	3.78	
			<i>For &gt;100 To 500, Add</i>	2.86	
			<i>For &gt;500 To 1,500, Add</i>	0.38	
05 31 13 00-0034	SF		4-1/2" Deep, 18/16 Gauge Cellular Galvanized Steel Deck.....	25.39	
			<i>For Painted, Deduct</i>	-1.19	
			<i>For Perforated Or Slotted, Add</i>	1.19	
			<i>For Insulated Cells, Add</i>	5.34	
			<i>For Site Installed Insulation Between Ribs, Add</i>	6.47	
			<i>For Up To 100, Add</i>	4.02	
			<i>For &gt;100 To 500, Add</i>	3.03	
			<i>For &gt;500 To 1,500, Add</i>	0.41	
05 31 13 00-0035	SF		4-1/2" Deep, 16/16 Gauge Cellular Galvanized Steel Deck.....	27.08	
			<i>For Painted, Deduct</i>	-1.27	
			<i>For Perforated Or Slotted, Add</i>	1.27	
			<i>For Insulated Cells, Add</i>	5.69	
			<i>For Site Installed Insulation Between Ribs, Add</i>	6.90	
			<i>For Up To 100, Add</i>	4.30	
			<i>For &gt;100 To 500, Add</i>	3.24	
			<i>For &gt;500 To 1,500, Add</i>	0.44	

**05 31 23 Steel Roof Decking** (05 31)  
 See CSI section 05 31 13 00-0000 for Steel floor or roof decking.

**05 31 33 Steel Form Decking** (05 31)

**05 31 33 00-0001 Open Ribbed Galvanized Steel Form Deck** (05 31 33)

05 31 33 00-0002	SF		9/16" Deep, 28 Gauge Open Ribbed Galvanized Steel Form Deck.....	2.78	
			<i>For Painted, Deduct</i>	-0.10	
			<i>For Perforated Or Slotted, Add</i>	0.10	
			<i>For Up To 100, Add</i>	1.05	
			<i>For &gt;100 To 500, Add</i>	0.54	
			<i>For &gt;500 To 1,500, Add</i>	0.22	
05 31 33 00-0003	SF		9/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck.....	2.96	
			<i>For Painted, Deduct</i>	-0.10	
			<i>For Perforated Or Slotted, Add</i>	0.10	
			<i>For Up To 100, Add</i>	1.12	
			<i>For &gt;100 To 500, Add</i>	0.57	
			<i>For &gt;500 To 1,500, Add</i>	0.23	
05 31 33 00-0004	SF		9/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.27	
			<i>For Painted, Deduct</i>	-0.11	
			<i>For Perforated Or Slotted, Add</i>	0.11	
			<i>For Up To 100, Add</i>	1.27	
			<i>For &gt;100 To 500, Add</i>	0.64	
			<i>For &gt;500 To 1,500, Add</i>	0.26	
05 31 33 00-0005	SF		9/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.53	
			<i>For Painted, Deduct</i>	-0.12	
			<i>For Perforated Or Slotted, Add</i>	0.12	
			<i>For Up To 100, Add</i>	1.42	
			<i>For &gt;100 To 500, Add</i>	0.71	
			<i>For &gt;500 To 1,500, Add</i>	0.30	
05 31 33 00-0006	SF		15/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.36	
			<i>For Painted, Deduct</i>	-0.12	
			<i>For Perforated Or Slotted, Add</i>	0.12	
			<i>For Up To 100, Add</i>	1.16	
			<i>For &gt;100 To 500, Add</i>	0.61	
			<i>For &gt;500 To 1,500, Add</i>	0.23	
05 31 33 00-0007	SF		15/16" Deep, 25 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.53	
			<i>For Painted, Deduct</i>	-0.13	
			<i>For Perforated Or Slotted, Add</i>	0.13	
			<i>For Up To 100, Add</i>	1.22	
			<i>For &gt;100 To 500, Add</i>	0.64	
			<i>For &gt;500 To 1,500, Add</i>	0.24	
05 31 33 00-0008	SF		15/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.71	
			<i>For Painted, Deduct</i>	-0.13	
			<i>For Perforated Or Slotted, Add</i>	0.13	
			<i>For Up To 100, Add</i>	1.32	
			<i>For &gt;100 To 500, Add</i>	0.69	
			<i>For &gt;500 To 1,500, Add</i>	0.26	
05 31 33 00-0009	SF		15/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.95	
			<i>For Painted, Deduct</i>	-0.14	
			<i>For Perforated Or Slotted, Add</i>	0.14	
			<i>For Up To 100, Add</i>	1.47	
			<i>For &gt;100 To 500, Add</i>	0.75	
			<i>For &gt;500 To 1,500, Add</i>	0.30	
05 31 33 00-0010	SF		1-15/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck.....	4.17	
			<i>For Painted, Deduct</i>	-0.15	
			<i>For Perforated Or Slotted, Add</i>	0.15	
			<i>For Up To 100, Add</i>	1.53	
			<i>For &gt;100 To 500, Add</i>	0.79	
			<i>For &gt;500 To 1,500, Add</i>	0.31	
05 31 33 00-0011	SF		1-15/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck.....	4.55	
			<i>For Painted, Deduct</i>	-0.16	
			<i>For Perforated Or Slotted, Add</i>	0.16	
			<i>For Up To 100, Add</i>	1.62	
			<i>For &gt;100 To 500, Add</i>	0.84	
			<i>For &gt;500 To 1,500, Add</i>	0.32	

**05 Metals****05 30 Metal Decking****05 31 Steel Decking**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

05 31 33 00-0012	SF	1-15/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck.....	5.23
		<i>For Painted, Deduct</i>	-0.19
		<i>For Perforated Or Slotted, Add</i>	0.19
		<i>For Up To 100, Add</i>	1.77
		<i>For &gt;100 To 500, Add</i>	0.94
		<i>For &gt;500 To 1,500, Add</i>	0.35
05 31 33 00-0013	SF	1-15/16" Deep, 20 Gauge Open Ribbed Galvanized Steel Form Deck.....	5.80
		<i>For Painted, Deduct</i>	-0.21
		<i>For Perforated Or Slotted, Add</i>	0.21
		<i>For Up To 100, Add</i>	2.00
		<i>For &gt;100 To 500, Add</i>	1.05
		<i>For &gt;500 To 1,500, Add</i>	0.40

**05 36 Composite Metal Decking** (05 30)

See CSI section 03 30 00 00-0000 for concrete.

**05 36 00 00-0001 Composite Open Ribbed Galvanized Steel Deck** (05 36)

Note: Composite decking has rolled-in embossments or ridges designed to interlock with the concrete slab.

05 36 00 00-0002	SF	1-1/2" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck.....	4.21
		<i>For Painted, Deduct</i>	-0.15
		<i>For Perforated Or Slotted, Add</i>	0.15
		<i>For Up To 100, Add</i>	1.54
		<i>For &gt;100 To 500, Add</i>	0.79
		<i>For &gt;500 To 1,500, Add</i>	0.31
05 36 00 00-0003	SF	1-1/2" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck.....	4.49
		<i>For Painted, Deduct</i>	-0.16
		<i>For Perforated Or Slotted, Add</i>	0.16
		<i>For Up To 100, Add</i>	1.69
		<i>For &gt;100 To 500, Add</i>	0.86
		<i>For &gt;500 To 1,500, Add</i>	0.35
05 36 00 00-0004	SF	1-1/2" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck.....	5.01
		<i>For Painted, Deduct</i>	-0.16
		<i>For Perforated Or Slotted, Add</i>	0.16
		<i>For Up To 100, Add</i>	2.05
		<i>For &gt;100 To 500, Add</i>	1.02
		<i>For &gt;500 To 1,500, Add</i>	0.43
05 36 00 00-0005	SF	1-1/2" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck.....	5.45
		<i>For Painted, Deduct</i>	-0.17
		<i>For Perforated Or Slotted, Add</i>	0.17
		<i>For Up To 100, Add</i>	2.39
		<i>For &gt;100 To 500, Add</i>	1.16
		<i>For &gt;500 To 1,500, Add</i>	0.51
05 36 00 00-0006	SF	2" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck.....	4.49
		<i>For Painted, Deduct</i>	-0.16
		<i>For Perforated Or Slotted, Add</i>	0.16
		<i>For Up To 100, Add</i>	1.69
		<i>For &gt;100 To 500, Add</i>	0.86
		<i>For &gt;500 To 1,500, Add</i>	0.35
05 36 00 00-0007	SF	2" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck.....	4.86
		<i>For Painted, Deduct</i>	-0.17
		<i>For Perforated Or Slotted, Add</i>	0.17
		<i>For Up To 100, Add</i>	1.86
		<i>For &gt;100 To 500, Add</i>	0.95
		<i>For &gt;500 To 1,500, Add</i>	0.38
05 36 00 00-0008	SF	2" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck.....	5.37
		<i>For Painted, Deduct</i>	-0.18
		<i>For Perforated Or Slotted, Add</i>	0.18
		<i>For Up To 100, Add</i>	2.21
		<i>For &gt;100 To 500, Add</i>	1.10
		<i>For &gt;500 To 1,500, Add</i>	0.47
05 36 00 00-0009	SF	2" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck.....	5.85
		<i>For Painted, Deduct</i>	-0.18
		<i>For Perforated Or Slotted, Add</i>	0.18
		<i>For Up To 100, Add</i>	2.57
		<i>For &gt;100 To 500, Add</i>	1.25
		<i>For &gt;500 To 1,500, Add</i>	0.55
05 36 00 00-0010	SF	3" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck.....	4.72
		<i>For Painted, Deduct</i>	-0.16
		<i>For Perforated Or Slotted, Add</i>	0.16
		<i>For Up To 100, Add</i>	1.76
		<i>For &gt;100 To 500, Add</i>	0.90
		<i>For &gt;500 To 1,500, Add</i>	0.36
05 36 00 00-0011	SF	3" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck.....	5.06
		<i>For Painted, Deduct</i>	-0.17
		<i>For Perforated Or Slotted, Add</i>	0.17
		<i>For Up To 100, Add</i>	1.97
		<i>For &gt;100 To 500, Add</i>	1.00
		<i>For &gt;500 To 1,500, Add</i>	0.41
05 36 00 00-0012	SF	3" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck.....	5.65
		<i>For Painted, Deduct</i>	-0.18
		<i>For Perforated Or Slotted, Add</i>	0.18
		<i>For Up To 100, Add</i>	2.37
		<i>For &gt;100 To 500, Add</i>	1.17
		<i>For &gt;500 To 1,500, Add</i>	0.50
05 36 00 00-0013	SF	3" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck.....	6.29
		<i>For Painted, Deduct</i>	-0.20
		<i>For Perforated Or Slotted, Add</i>	0.20
		<i>For Up To 100, Add</i>	2.78
		<i>For &gt;100 To 500, Add</i>	1.35
		<i>For &gt;500 To 1,500, Add</i>	0.60

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
		UNIT COST	UNIT COST

05 36 00 00-0014	<b>Composite Cellular Galvanized Steel Deck</b> <small>(05 36)</small> Note: Composite decking has rolled-in embossments or ridges designed to interlock with the concrete slab. Cellular decking is made of a top ribbed sheet and a bottom flat sheet welded together to create hollow longitudinal cells within the panels.		
05 36 00 00-0015	SF 1-1/2" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck.....	7.72	
	For Painted, Deduct	-0.27	
	For Perforated Or Slotted, Add	0.27	
	For Insulated Cells, Add	1.23	
	For Up To 100, Add	2.80	
	For >100 To 500, Add	1.45	
	For >500 To 1,500, Add	0.56	
05 36 00 00-0016	SF 1-1/2" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck.....	8.24	
	For Painted, Deduct	-0.29	
	For Perforated Or Slotted, Add	0.29	
	For Insulated Cells, Add	1.30	
	For Up To 100, Add	3.06	
	For >100 To 500, Add	1.57	
	For >500 To 1,500, Add	0.62	
05 36 00 00-0017	SF 1-1/2" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck.....	8.34	
	For Painted, Deduct	-0.29	
	For Perforated Or Slotted, Add	0.29	
	For Insulated Cells, Add	1.30	
	For Up To 100, Add	3.16	
	For >100 To 500, Add	1.61	
	For >500 To 1,500, Add	0.65	
05 36 00 00-0018	SF 1-1/2" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck.....	8.84	
	For Painted, Deduct	-0.30	
	For Perforated Or Slotted, Add	0.30	
	For Insulated Cells, Add	1.34	
	For Up To 100, Add	3.47	
	For >100 To 500, Add	1.75	
	For >500 To 1,500, Add	0.72	
05 36 00 00-0019	SF 1-1/2" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck.....	9.47	
	For Painted, Deduct	-0.32	
	For Perforated Or Slotted, Add	0.32	
	For Insulated Cells, Add	1.43	
	For Up To 100, Add	3.74	
	For >100 To 500, Add	1.88	
	For >500 To 1,500, Add	0.78	
05 36 00 00-0020	SF 1-1/2" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck.....	9.57	
	For Painted, Deduct	-0.32	
	For Perforated Or Slotted, Add	0.32	
	For Insulated Cells, Add	1.43	
	For Up To 100, Add	3.84	
	For >100 To 500, Add	1.92	
	For >500 To 1,500, Add	0.80	
05 36 00 00-0021	SF 1-1/2" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck.....	10.07	
	For Painted, Deduct	-0.33	
	For Perforated Or Slotted, Add	0.33	
	For Insulated Cells, Add	1.48	
	For Up To 100, Add	4.15	
	For >100 To 500, Add	2.05	
	For >500 To 1,500, Add	0.87	
05 36 00 00-0022	SF 2" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck.....	7.97	
	For Painted, Deduct	-0.28	
	For Perforated Or Slotted, Add	0.28	
	For Insulated Cells, Add	1.26	
	For Up To 100, Add	2.95	
	For >100 To 500, Add	1.51	
	For >500 To 1,500, Add	0.60	
05 36 00 00-0023	SF 2" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck.....	8.41	
	For Painted, Deduct	-0.29	
	For Perforated Or Slotted, Add	0.29	
	For Insulated Cells, Add	1.31	
	For Up To 100, Add	3.16	
	For >100 To 500, Add	1.62	
	For >500 To 1,500, Add	0.65	
05 36 00 00-0024	SF 2" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck.....	8.50	
	For Painted, Deduct	-0.29	
	For Perforated Or Slotted, Add	0.29	
	For Insulated Cells, Add	1.31	
	For Up To 100, Add	3.25	
	For >100 To 500, Add	1.65	
	For >500 To 1,500, Add	0.67	
05 36 00 00-0025	SF 2" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck.....	9.11	
	For Painted, Deduct	-0.31	
	For Perforated Or Slotted, Add	0.31	
	For Insulated Cells, Add	1.38	
	For Up To 100, Add	3.58	
	For >100 To 500, Add	1.80	
	For >500 To 1,500, Add	0.74	
05 36 00 00-0026	SF 2" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck.....	9.64	
	For Painted, Deduct	-0.32	
	For Perforated Or Slotted, Add	0.32	
	For Insulated Cells, Add	1.45	
	For Up To 100, Add	3.84	
	For >100 To 500, Add	1.92	
	For >500 To 1,500, Add	0.80	

**05 Metals****05 30 Metal Decking****05 36 Composite Metal Decking**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 36 00 00-0027	SF 2" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck.....	9.79	
	<i>For Painted, Deduct</i>	-0.32	
	<i>For Perforated Or Slotted, Add</i>	0.32	
	<i>For Insulated Cells, Add</i>	1.45	
	<i>For Up To 100, Add</i>	3.99	
	<i>For &gt;100 To 500, Add</i>	1.98	
	<i>For &gt;500 To 1,500, Add</i>	0.84	
05 36 00 00-0028	SF 2" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck.....	10.31	
	<i>For Painted, Deduct</i>	-0.34	
	<i>For Perforated Or Slotted, Add</i>	0.34	
	<i>For Insulated Cells, Add</i>	1.51	
	<i>For Up To 100, Add</i>	4.25	
	<i>For &gt;100 To 500, Add</i>	2.11	
	<i>For &gt;500 To 1,500, Add</i>	0.90	
05 36 00 00-0029	SF 3" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck.....	8.01	
	<i>For Painted, Deduct</i>	-0.28	
	<i>For Perforated Or Slotted, Add</i>	0.28	
	<i>For Insulated Cells, Add</i>	1.26	
	<i>For Up To 100, Add</i>	2.95	
	<i>For &gt;100 To 500, Add</i>	1.52	
	<i>For &gt;500 To 1,500, Add</i>	0.60	
05 36 00 00-0030	SF 3" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck.....	8.45	
	<i>For Painted, Deduct</i>	-0.29	
	<i>For Perforated Or Slotted, Add</i>	0.29	
	<i>For Insulated Cells, Add</i>	1.31	
	<i>For Up To 100, Add</i>	3.20	
	<i>For &gt;100 To 500, Add</i>	1.63	
	<i>For &gt;500 To 1,500, Add</i>	0.66	
05 36 00 00-0031	SF 3" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck.....	8.61	
	<i>For Painted, Deduct</i>	-0.29	
	<i>For Perforated Or Slotted, Add</i>	0.29	
	<i>For Insulated Cells, Add</i>	1.31	
	<i>For Up To 100, Add</i>	3.36	
	<i>For &gt;100 To 500, Add</i>	1.70	
	<i>For &gt;500 To 1,500, Add</i>	0.70	
05 36 00 00-0032	SF 3" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck.....	9.20	
	<i>For Painted, Deduct</i>	-0.31	
	<i>For Perforated Or Slotted, Add</i>	0.31	
	<i>For Insulated Cells, Add</i>	1.39	
	<i>For Up To 100, Add</i>	3.63	
	<i>For &gt;100 To 500, Add</i>	1.82	
	<i>For &gt;500 To 1,500, Add</i>	0.75	
05 36 00 00-0033	SF 3" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck.....	9.80	
	<i>For Painted, Deduct</i>	-0.33	
	<i>For Perforated Or Slotted, Add</i>	0.33	
	<i>For Insulated Cells, Add</i>	1.47	
	<i>For Up To 100, Add</i>	3.91	
	<i>For &gt;100 To 500, Add</i>	1.96	
	<i>For &gt;500 To 1,500, Add</i>	0.81	
05 36 00 00-0034	SF 3" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck.....	9.99	
	<i>For Painted, Deduct</i>	-0.33	
	<i>For Perforated Or Slotted, Add</i>	0.33	
	<i>For Insulated Cells, Add</i>	1.47	
	<i>For Up To 100, Add</i>	4.10	
	<i>For &gt;100 To 500, Add</i>	2.03	
	<i>For &gt;500 To 1,500, Add</i>	0.86	
05 36 00 00-0035	SF 3" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck.....	10.41	
	<i>For Painted, Deduct</i>	-0.34	
	<i>For Perforated Or Slotted, Add</i>	0.34	
	<i>For Insulated Cells, Add</i>	1.51	
	<i>For Up To 100, Add</i>	4.35	
	<i>For &gt;100 To 500, Add</i>	2.15	
	<i>For &gt;500 To 1,500, Add</i>	0.92	

**05 36 00 00-0036 Non-Cellular, Composite Deck, Galvanized** (05 36)

05 36 00 00-0037	SF 1" Deep x 16 Gauge Composite Metal Deck Galvanized, Non Cellular.....	6.01
05 36 00 00-0038	SF 1" Deep x 18 Gauge Composite Metal Deck Galvanized, Non Cellular.....	4.93
05 36 00 00-0039	SF 1" Deep x 20 Gauge Composite Metal Deck Galvanized, Non Cellular.....	4.07
05 36 00 00-0040	SF 1" Deep x 22 Gauge Composite Metal Deck Galvanized, Non Cellular.....	3.50
05 36 00 00-0041	SF 1-1/2" Deep x 16 Gauge Composite Metal Deck Galvanized, Non Cellular.....	6.63
05 36 00 00-0042	SF 1-1/2" Deep x 18 Gauge Composite Metal Deck Galvanized, Non Cellular.....	5.38
05 36 00 00-0043	SF 1-1/2" Deep x 20 Gauge Composite Metal Deck Galvanized, Non Cellular.....	4.44
05 36 00 00-0044	SF 1-1/2" Deep x 22 Gauge Composite Metal Deck Galvanized, Non Cellular.....	3.82
05 36 00 00-0045	SF 3" Deep x 16 Gauge Composite Metal Deck Galvanized, Non Cellular.....	7.63
05 36 00 00-0046	SF 3" Deep x 18 Gauge Composite Metal Deck Galvanized, Non Cellular.....	6.09
05 36 00 00-0047	SF 3" Deep x 20 Gauge Composite Metal Deck Galvanized, Non Cellular.....	5.09
05 36 00 00-0048	SF 3" Deep x 22 Gauge Composite Metal Deck Galvanized, Non Cellular.....	4.59

**05 40 Cold-Formed Metal Framing** (05)

Note: Includes all connecting bolts and welds.

**05 41 Structural Metal Stud Framing** (05 40)

Note: Includes studs, bridging, fasteners, and metal stiffener at half height. Do not deduct for openings of less than 25 SF.

**05 41 00 00-0001 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners** (05 41)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 41 00 00-0002	SF	2-1/2"	Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners .....	4.89	0.94
			For Walls >10' High, Add	0.98	
			For Curved Wall, Add	0.66	
			For Up To 200, Add	1.42	
			For >200 To 500, Add	0.71	
			For 12" On Center, Add	0.87	
			For 24" On Center, Deduct	-0.87	
05 41 00 00-0003	SF	3-5/8"	Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners .....	5.46	0.94
			For Walls >10' High, Add	1.09	
			For Curved Wall, Add	0.69	
			For Up To 200, Add	1.55	
			For >200 To 500, Add	0.78	
			For 12" On Center, Add	0.98	
			For 24" On Center, Deduct	-0.98	
05 41 00 00-0004	SF	4"	Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	5.70	0.94
			For Walls >10' High, Add	1.14	
			For Curved Wall, Add	0.72	
			For Up To 200, Add	1.62	
			For >200 To 500, Add	0.81	
			For 12" On Center, Add	1.02	
			For 24" On Center, Deduct	-1.02	
05 41 00 00-0005	SF	6"	Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	7.26	1.05
			For Walls >10' High, Add	1.45	
			For Curved Wall, Add	0.75	
			For Up To 200, Add	1.95	
			For >200 To 500, Add	0.98	
			For 12" On Center, Add	1.33	
			For 24" On Center, Deduct	-1.33	
05 41 00 00-0006	SF	8"	Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	8.11	1.15
			For Walls >10' High, Add	1.62	
			For Curved Wall, Add	0.78	
			For Up To 200, Add	2.14	
			For >200 To 500, Add	1.07	
			For 12" On Center, Add	1.49	
			For 24" On Center, Deduct	-1.49	

**05 41 00 00-0007 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners (05 41)**

05 41 00 00-0008	SF	2-1/2"	Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners .....	5.25	0.94
			For Walls >10' High, Add	1.05	
			For Curved Wall, Add	0.69	
			For Up To 200, Add	1.51	
			For >200 To 500, Add	0.76	
			For 12" On Center, Add	0.94	
			For 24" On Center, Deduct	-0.94	
05 41 00 00-0009	SF	3-5/8"	Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners .....	6.08	0.95
			For Walls >10' High, Add	1.22	
			For Curved Wall, Add	0.73	
			For Up To 200, Add	1.70	
			For >200 To 500, Add	0.85	
			For 12" On Center, Add	1.10	
			For 24" On Center, Deduct	-1.10	
05 41 00 00-0010	SF	4"	Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	6.42	0.95
			For Walls >10' High, Add	1.28	
			For Curved Wall, Add	0.75	
			For Up To 200, Add	1.79	
			For >200 To 500, Add	0.89	
			For 12" On Center, Add	1.16	
			For 24" On Center, Deduct	-1.16	
05 41 00 00-0011	SF	6"	Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	8.13	1.15
			For Walls >10' High, Add	1.63	
			For Curved Wall, Add	0.79	
			For Up To 200, Add	2.15	
			For >200 To 500, Add	1.08	
			For 12" On Center, Add	1.49	
			For 24" On Center, Deduct	-1.49	
05 41 00 00-0012	SF	8"	Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	8.98	1.25
			For Walls >10' High, Add	1.80	
			For Curved Wall, Add	0.83	
			For Up To 200, Add	2.35	
			For >200 To 500, Add	1.18	
			For 12" On Center, Add	1.66	
			For 24" On Center, Deduct	-1.66	

**05 41 00 00-0013 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners (05 41)**

05 41 00 00-0014	SF	3-5/8"	Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners .....	7.23	1.31
			For Walls >10' High, Add	1.45	
			For Curved Wall, Add	0.87	
			For Up To 200, Add	2.03	
			For >200 To 500, Add	1.01	
			For 12" On Center, Add	1.30	
			For 24" On Center, Deduct	-1.30	

**05 Metals****05 40 Cold-Formed Metal Framing****05 41 Structural Metal Stud Framing**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

05 41 00 00-0015	SF	4" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	7.44	1.33
		<i>For Walls &gt;10' High, Add</i>	1.49	
		<i>For Curved Wall, Add</i>	0.89	
		<i>For Up To 200, Add</i>	2.08	
		<i>For &gt;200 To 500, Add</i>	1.04	
		<i>For 12" On Center, Add</i>	1.34	
		<i>For 24" On Center, Deduct</i>	-1.34	
05 41 00 00-0016	SF	6" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	9.35	1.40
		<i>For Walls &gt;10' High, Add</i>	1.87	
		<i>For Curved Wall, Add</i>	0.93	
		<i>For Up To 200, Add</i>	2.49	
		<i>For &gt;200 To 500, Add</i>	1.25	
		<i>For 12" On Center, Add</i>	1.72	
		<i>For 24" On Center, Deduct</i>	-1.72	
05 41 00 00-0017	SF	8" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	10.27	1.46
		<i>For Walls &gt;10' High, Add</i>	2.05	
		<i>For Curved Wall, Add</i>	0.98	
		<i>For Up To 200, Add</i>	2.70	
		<i>For &gt;200 To 500, Add</i>	1.35	
		<i>For 12" On Center, Add</i>	1.89	
		<i>For 24" On Center, Deduct</i>	-1.89	

**05 42 Cold-Formed Metal Joist Framing** (05 40)**05 42 13 Cold-Formed Metal Floor Joist Framing** (05 42)

Note: Floor or roof joist framing

05 42 13 00-0001		<b>Steel Joists, 20 Gauge</b> (05 42 13)		
05 42 13 00-0002	LF	5-1/2" - 20 Gauge Steel Joists .....	10.35	2.24
05 42 13 00-0003	LF	6" - 20 Gauge Steel Joists .....	11.26	2.82
05 42 13 00-0004	LF	7-1/4" - 20 Gauge Steel Joists .....	12.19	3.09
05 42 13 00-0005	LF	8" - 20 Gauge Steel Joists .....	13.69	3.29
05 42 13 00-0006		<b>Steel Joists, 18 Gauge</b> (05 42 13)		
05 42 13 00-0007	LF	5-1/2" - 18 Gauge Steel Joists .....	11.54	2.49
05 42 13 00-0008	LF	6" - 18 Gauge Steel Joists .....	12.58	3.13
05 42 13 00-0009	LF	7-1/4" - 18 Gauge Steel Joists .....	13.65	3.43
05 42 13 00-0010	LF	8" - 18 Gauge Steel Joists .....	14.05	3.65
05 42 13 00-0011		<b>Steel Joists, 16 Gauge</b> (05 42 13)		
05 42 13 00-0012	LF	7-1/4" - 16 Gauge Steel Joists .....	14.78	3.46
05 42 13 00-0013	LF	8" - 16 Gauge Steel Joists .....	15.61	3.65
05 42 13 00-0014		<b>Steel Joists, 14 Gauge</b> (05 42 13)		
05 42 13 00-0015	LF	9-1/4" - 14 Gauge Steel Joists .....	17.65	3.65
05 42 13 00-0016	LF	11-1/2" - 14 Gauge Steel Joists .....	19.19	3.85
05 42 13 00-0017		<b>Steel Joists, 12 Gauge</b> (05 42 13)		
05 42 13 00-0018	LF	9-1/4" - 12 Gauge Steel Joists .....	21.03	4.01
05 42 13 00-0019	LF	11-1/2" - 12 Gauge Steel Joists .....	23.02	4.23
05 42 13 00-0020		<b>Steel Joists, 10 Gauge</b> (05 42 13)		
05 42 13 00-0021	LF	9-1/4" - 10 Gauge Steel Joists .....	24.49	4.42
05 42 13 00-0022	LF	11-1/2" - 10 Gauge Steel Joists .....	26.92	4.66
05 42 13 00-0023		<b>Steel Joists, 8 Gauge</b> (05 42 13)		
05 42 13 00-0024	LF	9-1/4" - 8 Gauge Steel Joists .....	27.98	4.86
05 42 13 00-0025	LF	11-1/2" - 8 Gauge Steel Joists .....	30.85	5.12

**05 42 23 Cold-Formed Metal Roof Joist Framing** (05 42)

See CSI section 05 42 13 00-0000 for metal joist framing.

**05 43 Slotted Channel Framing** (05 40)

05 43 00 00-0001		<b>Unistrut Channel</b> (05 43)		
		Note: Excludes fasteners and accessories.		
05 43 00 00-0002		<b>Steel Unistrut Channel</b> (05 43 00 00-0001)		
05 43 00 00-0003	LF	1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel .....	10.02	2.30
		<i>For Galvanizing, Add</i>	0.92	
		<i>For Powder Coating, Add</i>	0.81	
05 43 00 00-0004	LF	1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel .....	10.29	2.30
		<i>For Galvanizing, Add</i>	0.97	
		<i>For Powder Coating, Add</i>	0.86	
05 43 00 00-0005	LF	1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel.....	10.69	2.30
		<i>For Galvanizing, Add</i>	1.04	
		<i>For Powder Coating, Add</i>	0.92	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 43 00 00-0006	LF		1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel ..... <i>For Galvanizing, Add</i> <i>For Powder Coating, Add</i>	9.50 0.83 0.74	2.30
05 43 00 00-0007	LF		1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel ..... <i>For Galvanizing, Add</i> <i>For Powder Coating, Add</i>	8.34 0.64 0.56	2.30
<b>05 43 00 00-0008</b>			<b>Stainless Steel Unistrut Channel</b> <small>(05 43 00 00-0001)</small>		
<b>05 43 00 00-0009</b>			<b>304 Stainless Steel Unistrut Channel</b> <small>(05 43 00 00-0008)</small>		
05 43 00 00-0010	LF		1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	27.50	2.30
05 43 00 00-0011	LF		1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	33.09	2.30
05 43 00 00-0012	LF		1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	31.70	2.30
05 43 00 00-0013	LF		1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	40.35	2.30
<b>05 43 00 00-0014</b>			<b>316 Stainless Steel Unistrut Channel</b> <small>(05 43 00 00-0008)</small>		
05 43 00 00-0015	LF		1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel.....	45.65	2.30
<b>05 43 00 00-0016</b>			<b>Unistrut Closure Strips</b> <small>(05 43)</small>		
05 43 00 00-0017	LF		Steel Raceway Closure Strip For Unistrut Channel.....	5.10	0.50
<b>05 43 00 00-0018</b>			<b>Lock Nuts With Spring For Unistrut Channel</b> <small>(05 43)</small>		
<b>05 43 00 00-0019</b>			<b>Steel Lock Nuts With Spring For Unistrut Channel</b> <small>(05 43 00 00-0018)</small>		
			Note: Includes hex bolt.		
05 43 00 00-0020	EA		1/4-20, Steel Lock Nut With Spring For Unistrut Channel.....	6.66	
05 43 00 00-0021	EA		3/8-16, Steel Lock Nut With Spring For Unistrut Channel.....	7.22	
05 43 00 00-0022	EA		1/2-13, Steel Lock Nut With Spring For Unistrut Channel.....	7.64	
05 43 00 00-0023	EA		5/8-11, Steel Lock Nut With Spring For Unistrut Channel.....	9.91	
<b>05 43 00 00-0024</b>			<b>Stainless Steel Lock Nuts With Spring For Unistrut Channel</b> <small>(05 43 00 00-0018)</small>		
			Note: Includes hex bolt.		
05 43 00 00-0025	EA		1/4-20, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....	15.60	
05 43 00 00-0026	EA		3/8-16, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....	16.62	
05 43 00 00-0027	EA		1/2-13, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....	23.66	
05 43 00 00-0028	EA		5/8-11, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....	40.71	
<b>05 43 00 00-0029</b>			<b>Lock Nuts Without Spring For Unistrut Channel</b> <small>(05 43)</small>		
			Note: Includes hex bolt.		
<b>05 43 00 00-0030</b>			<b>Steel Lock Nuts Without Spring For Unistrut Channel</b> <small>(05 43 00 00-0029)</small>		
			Note: Includes hex bolt.		
05 43 00 00-0031	EA		1/4-20, Steel Lock Nut Without Spring For Unistrut Channel.....	6.68	
05 43 00 00-0032	EA		3/8-16, Steel Lock Nut Without Spring For Unistrut Channel.....	7.30	
05 43 00 00-0033	EA		1/2-13, Steel Lock Nut Without Spring For Unistrut Channel.....	7.67	
05 43 00 00-0034	EA		5/8-11, Steel Lock Nut Without Spring For Unistrut Channel.....	10.57	
<b>05 43 00 00-0035</b>			<b>Stainless Steel Lock Nuts Without Spring For Unistrut Channel</b> <small>(05 43 00 00-0029)</small>		
			Note: Includes hex bolt.		
05 43 00 00-0036	EA		1/4-20, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	11.08	
05 43 00 00-0037	EA		3/8-16, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	13.43	
05 43 00 00-0038	EA		1/2-13, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	14.67	
05 43 00 00-0039	EA		5/8-11, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	39.65	
<b>05 43 00 00-0040</b>			<b>Beam Clamp For Unistrut Channel</b> <small>(05 43)</small>		
05 43 00 00-0041	EA		1-5/8" Channel, P2675 Unistrut Beam Clamp.....	20.91	7.63
05 43 00 00-0042	EA		1-5/8" Channel, P2676 Unistrut Beam Clamp.....	26.18	7.63
05 43 00 00-0043	EA		Add For Unistrut Swivel Nut, P2676.....	2.87	
<b>05 43 00 00-0044</b>			<b>Beam Clamp Clevis Hangers For Unistrut Channel</b> <small>(05 43)</small>		
05 43 00 00-0045	EA		Up To 3/8" Rod, Beam Clamp Clevis Hanger (Unistrut P2674).....	22.74	7.63
05 43 00 00-0046	EA		Up To 1/2" Rod, Beam Clamp Clevis Hanger (Unistrut P2677).....	26.93	7.63
05 43 00 00-0047	EA		Add For Unistrut Swivel Nut.....	2.87	
05 43 00 00-0048	EA		6-Hole ElectroGalvanized Steel Shelf Bracket For Unistrut.....	147.78	10.17
<b>05 43 00 00-0049</b>			<b>Pipe And Rigid Conduit Clamps</b> <small>(05 43)</small>		
<b>05 43 00 00-0050</b>			<b>Pipe And Rigid Conduit Clamps</b> <small>(05 43 00 00-0049)</small>		
			Note: Includes stainless steel (316) hardware.		
05 43 00 00-0051	PR		1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	7.15	2.06
05 43 00 00-0052	PR		3/4" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	7.34	2.06
05 43 00 00-0053	PR		1" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	8.36	2.50
05 43 00 00-0054	PR		1-1/4" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	8.83	2.71
05 43 00 00-0055	PR		1-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	11.42	3.04
05 43 00 00-0056	PR		2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	11.42	3.04

**05 Metals****05 40 Cold-Formed Metal Framing****05 43 Slotted Channel Framing**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

05 43 00 00-0057	PR	2-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	17.33	5.09
05 43 00 00-0058	PR	3" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	17.70	5.09
05 43 00 00-0059	PR	3-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	18.85	5.63
05 43 00 00-0060	PR	4" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	20.91	6.07

**05 43 00 00-0061 Pipe And Rigid Conduit Clamps (05 43 00 00-0049)**

Note: Includes nylon hardware.

05 43 00 00-0062	PR	1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	8.98	2.06
05 43 00 00-0063	PR	3/4" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	9.28	2.06
05 43 00 00-0064	PR	1" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	10.30	2.50
05 43 00 00-0065	PR	1-1/4" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	10.84	2.71
05 43 00 00-0066	PR	1-1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	14.56	3.04
05 43 00 00-0067	PR	2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	14.56	3.04
05 43 00 00-0068	PR	2-1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	21.58	5.09
05 43 00 00-0069	PR	3" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	22.17	5.09
05 43 00 00-0070	PR	3-1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	23.38	5.63
05 43 00 00-0071	PR	4" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	26.07	6.07

**05 44 Cold-Formed Metal Trusses (05 44)****05 44 13 Cold-Formed Metal Roof Trusses (05 44)****05 44 13 00-0001 Metal Trusses (05 44 13)****05 44 13 00-0002 4:12 Pitch Metal Trusses (05 44 13 00-0001)**

05 44 13 00-0003	EA	28' Metal Trusses, 18 Gauge, 6" Chords, 4:12 Pitch .....	553.91	101.60
		For 4" Chords, Deduct	-106.59	
		For 14 Gauge, Add	138.19	
		For 16 Gauge, Add	55.10	
05 44 13 00-0004	EA	30' Metal Trusses, 18 Gauge, 6" Chords, 4:12 Pitch .....	577.35	102.49
		For 4" Chords, Deduct	-113.66	
		For 14 Gauge, Add	145.16	
		For 16 Gauge, Add	58.55	
05 44 13 00-0005	EA	32' Metal Trusses, 18 Gauge, 6" Chords, 4:12 Pitch .....	595.59	103.38
		For 4" Chords, Deduct	-119.01	
		For 14 Gauge, Add	150.52	
		For 16 Gauge, Add	61.18	
05 44 13 00-0006	EA	34' Metal Trusses, 18 Gauge, 6" Chords, 4:12 Pitch .....	631.70	108.50
		For 4" Chords, Deduct	-127.09	
		For 14 Gauge, Add	160.02	
		For 16 Gauge, Add	65.27	
05 44 13 00-0007	EA	36' Metal Trusses, 18 Gauge, 6" Chords, 4:12 Pitch .....	662.62	113.62
		For 4" Chords, Deduct	-133.45	
		For 14 Gauge, Add	167.92	
		For 16 Gauge, Add	68.53	
05 44 13 00-0008	EA	38' Metal Trusses, 18 Gauge, 6" Chords, 4:12 Pitch .....	681.43	114.69
		For 4" Chords, Deduct	-138.85	
		For 14 Gauge, Add	173.39	
		For 16 Gauge, Add	71.18	
05 44 13 00-0009	EA	40' Metal Trusses, 18 Gauge, 6" Chords, 4:12 Pitch .....	705.43	115.78
		For 4" Chords, Deduct	-145.96	
		For 14 Gauge, Add	180.48	
		For 16 Gauge, Add	74.66	
05 44 13 00-0010	EA	42' Metal Trusses, 18 Gauge, 6" Chords, 4:12 Pitch .....	738.38	121.58
		For 4" Chords, Deduct	-152.49	
		For 14 Gauge, Add	188.78	
		For 16 Gauge, Add	78.02	
05 44 13 00-0011	EA	44' Metal Trusses, 18 Gauge, 6" Chords, 4:12 Pitch .....	776.49	127.35
		For 4" Chords, Deduct	-160.73	
		For 14 Gauge, Add	198.69	
		For 16 Gauge, Add	82.21	
05 44 13 00-0012	EA	46' Metal Trusses, 18 Gauge, 6" Chords, 4:12 Pitch .....	809.43	133.14
		For 4" Chords, Deduct	-167.25	
		For 14 Gauge, Add	206.99	
		For 16 Gauge, Add	85.57	
05 44 13 00-0013	EA	48' Metal Trusses, 18 Gauge, 6" Chords, 4:12 Pitch .....	847.56	138.93
		For 4" Chords, Deduct	-175.49	
		For 14 Gauge, Add	216.90	
		For 16 Gauge, Add	89.76	

**05 44 13 00-0014 5:12 To 6:12 Pitch Metal Trusses (05 44 13 00-0001)**

05 44 13 00-0015	EA	28' Metal Trusses, 18 Gauge, 6" Chords, 5:12 To 6:12 Pitch .....	664.70	126.42
		For 4" Chords, Deduct	-124.54	
		For 14 Gauge, Add	164.34	
		For 16 Gauge, Add	64.63	
05 44 13 00-0016	EA	30' Metal Trusses, 18 Gauge, 6" Chords, 5:12 To 6:12 Pitch .....	689.09	127.63
		For 4" Chords, Deduct	-131.68	
		For 14 Gauge, Add	171.50	
		For 16 Gauge, Add	68.14	
05 44 13 00-0017	EA	32' Metal Trusses, 18 Gauge, 6" Chords, 5:12 To 6:12 Pitch .....	713.48	128.84
		For 4" Chords, Deduct	-138.82	
		For 14 Gauge, Add	178.66	
		For 16 Gauge, Add	71.64	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 44	13 00-0018	EA		34' Metal Trusses, 18 Gauge, 6" Chords, 5:12 To 6:12 Pitch ..... <i>For 4" Chords, Deduct</i> <i>For 14 Gauge, Add</i> <i>For 16 Gauge, Add</i>	759.67 -147.70 190.18 76.23	137.31
05 44	13 00-0019	EA		36' Metal Trusses, 18 Gauge, 6" Chords, 5:12 To 6:12 Pitch ..... <i>For 4" Chords, Deduct</i> <i>For 14 Gauge, Add</i> <i>For 16 Gauge, Add</i>	805.86 -156.59 201.70 80.83	145.80
05 44	13 00-0020	EA		38' Metal Trusses, 18 Gauge, 6" Chords, 5:12 To 6:12 Pitch ..... <i>For 4" Chords, Deduct</i> <i>For 14 Gauge, Add</i> <i>For 16 Gauge, Add</i>	733.33 -155.98 189.48 79.48	147.33
05 44	13 00-0021	EA		40' Metal Trusses, 18 Gauge, 6" Chords, 5:12 To 6:12 Pitch ..... <i>For 4" Chords, Deduct</i> <i>For 14 Gauge, Add</i> <i>For 16 Gauge, Add</i>	856.58 -171.03 216.42 87.93	148.85
05 44	13 00-0022	EA		42' Metal Trusses, 18 Gauge, 6" Chords, 5:12 To 6:12 Pitch ..... <i>For 4" Chords, Deduct</i> <i>For 14 Gauge, Add</i> <i>For 16 Gauge, Add</i>	899.68 -179.66 227.32 92.37	156.30
05 44	13 00-0023	EA		44' Metal Trusses, 18 Gauge, 6" Chords, 5:12 To 6:12 Pitch ..... <i>For 4" Chords, Deduct</i> <i>For 14 Gauge, Add</i> <i>For 16 Gauge, Add</i>	942.76 -188.30 238.22 96.81	163.75
05 44	13 00-0024	EA		46' Metal Trusses, 18 Gauge, 6" Chords, 5:12 To 6:12 Pitch ..... <i>For 4" Chords, Deduct</i> <i>For 14 Gauge, Add</i> <i>For 16 Gauge, Add</i>	985.85 -196.94 249.12 101.24	171.19
05 44	13 00-0025	EA		48' Metal Trusses, 18 Gauge, 6" Chords, 5:12 To 6:12 Pitch ..... <i>For 4" Chords, Deduct</i> <i>For 14 Gauge, Add</i> <i>For 16 Gauge, Add</i>	1,028.94 -205.58 260.02 105.68	178.64

05 45 Metal Support Assemblies (05 40)

- 05 45 13 Mechanical Metal Supports** (05 45)  
See CSI section 23 05 29 00-0000 for metal supports.
- 05 45 16 Electrical Metal Supports** (05 45)  
See CSI section 26 05 29 00-0000 for metal supports.

05 50 Metal Fabrications (05)

05 51 Metal Stairs (05 50)

- 05 51 13 Metal Pan Stairs** (05 51)  
Note: Open concrete filled metal pan stair and landing including steel stringer, safety nosing and concrete. Excludes handrail.  
See CSI section 05 52 13 00-0000 for handrails.

**05 51 13 00-0001 Open Concrete Filled Metal Pan Stair And Landing** (05 51 13)  
Note: Includes steel stringer, safety nosing and concrete. Excludes handrail.

05 51 13 00-0002	RSR	3'-6" Wide Open Concrete Filled Metal Pan Tread Stair..... <i>For Closed Riser, Add</i>	838.28 96.53	29.67
05 51 13 00-0003	RSR	4'-0" Wide Open Concrete Filled Metal Pan Tread Stair..... <i>For Closed Riser, Add</i>	952.79 109.59	34.62
05 51 13 00-0004	RSR	5'-0" Wide Open Concrete Filled Metal Pan Tread Stair..... <i>For Closed Riser, Add</i>	1,061.79 121.85	40.56
05 51 13 00-0005	SF	Concrete Filled Steel Pan Landing ..... Note: Conventional shape.	81.54	4.95

**05 51 19 Metal Grating Stairs** (05 51)

Note: Open steel grating tread metal stair and landing including steel stringers, safety nosing and 2 pipe handrail.

**05 51 19 00-0001 Open Steel Grating Tread Metal Stair And Landing** (05 51 19)  
Note: Includes steel stringers, safety nosing and 2 pipe handrail.

05 51 19 00-0002	RSR	3'-6" Wide Open Steel Grating Tread Metal Stair ..... <i>For Closed Riser, Add</i> <i>For Galvanized Steel, Add</i>	409.94 48.94 82.70	39.57
05 51 19 00-0003	RSR	4'-0" Wide Open Steel Grating Tread Metal Stair ..... <i>For Closed Riser, Add</i> <i>For Galvanized Steel, Add</i>	437.55 51.88 86.64	45.51
05 51 19 00-0004	RSR	5'-0" Wide Open Steel Grating Tread Metal Stair ..... <i>For Closed Riser, Add</i> <i>For Galvanized Steel, Add</i>	484.89 57.16 94.52	53.41
05 51 19 00-0005	SF	Steel Grating Landing With Framing And 2 Pipe Handrail..... Note: Conventional shape. <i>For Galvanized Steel, Add</i>	76.49 14.18	4.95

**05 51 33 Metal Ladders** (05 51)

Note: Includes factory prime.

**05 51 33 13 Vertical Metal Ladders** (05 51 33)

**05 51 33 13-0001 Vertical Ladders** (05 51 33 13)

Note: Climbing rungs are 3/4" corrugated steel round rungs on 12" centers. Stand-off brackets are 7"

05 51 33 13-0002	VL	20" Wide Vertical Steel Ladder Primed..... <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i>	86.85 12.40 24.81	11.87
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 51 33 13-0003	VLF	24"	Wide Vertical Steel Ladder Primed <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i>	99.42 15.55 31.09	11.87
05 51 33 13-0004	VLF	20"	Wide Vertical Steel Caged Ladder Primed <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i>	207.17 36.03 72.06	19.78
05 51 33 13-0005	VLF	24"	Wide Vertical Steel Caged Ladder Primed <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i>	232.31 42.32 84.63	19.78

### 05 51 33 13-0006 Vertical Ladders Options (05 51 33 13)

05 51 33 13-0007	EA	20"	Wide Vertical Steel Ladder Walk-Thru Handrails, Primed Note: Extends 42" above landing surface. Includes mounting bracket. <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i>	305.95 57.94 115.88	37.09
05 51 33 13-0008	EA	24"	Wide Vertical Steel Ladder Walk-Thru Handrails, Primed Note: Extends 42" above landing surface. Includes mounting bracket. <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i>	334.76 63.91 127.81	39.57
05 51 33 13-0009	EA		Security Cage Entry Gate With Lockable Hasp	450.75	12.36
05 51 33 13-0010	EA	6'	Security Ladder Guard	971.45	74.19
05 51 33 13-0011	EA	8'	Security Ladder Guard	1,161.49	86.55
05 51 33 13-0012	EA		Safety Chain Attachment	176.56	

### 05 51 33 13-0013 Welded Steel Ladder Cages (05 51 33 13)

Note: For existing fixed ladders up to 20" wide. Excludes the ladder.

### 05 51 33 13-0014 Powder Coated, Welded Steel Ladder Cages (05 51 33 13-0013)

05 51 33 13-0015	EA	7-1/2'	Length, Powder Coated, Welded Steel Ladder Cage	1,795.27	148.37
05 51 33 13-0016	EA	8-1/2'	Length, Powder Coated, Welded Steel Ladder Cage	1,948.96	153.32
05 51 33 13-0017	EA	9-1/2'	Length, Powder Coated, Welded Steel Ladder Cage	2,071.40	158.26
05 51 33 13-0018	EA	10-1/2'	Length, Powder Coated, Welded Steel Ladder Cage	2,202.17	163.21
05 51 33 13-0019	EA	11-1/2'	Length, Powder Coated, Welded Steel Ladder Cage	2,278.77	168.16
05 51 33 13-0020	EA	12-1/2'	Length, Powder Coated, Welded Steel Ladder Cage	2,403.28	173.11
05 51 33 13-0021	EA	13-1/2'	Length, Powder Coated, Welded Steel Ladder Cage	2,513.22	178.04
05 51 33 13-0022	EA	14-1/2'	Length, Powder Coated, Welded Steel Ladder Cage	2,656.49	182.99
05 51 33 13-0023	EA	15-1/2'	Length, Powder Coated, Welded Steel Ladder Cage	2,795.60	187.94
05 51 33 13-0024	EA	16-1/2'	Length, Powder Coated, Welded Steel Ladder Cage	2,909.70	192.89
05 51 33 13-0025	EA	17-1/2'	Length, Powder Coated, Welded Steel Ladder Cage	3,048.82	197.83
05 51 33 13-0026	EA	18-1/2'	Length, Powder Coated, Welded Steel Ladder Cage	3,183.75	202.78
05 51 33 13-0027	EA	19-1/2'	Length, Powder Coated, Welded Steel Ladder Cage	3,316.61	207.73
05 51 33 13-0028	EA	20-1/2'	Length, Powder Coated, Welded Steel Ladder Cage	3,557.85	212.67
05 51 33 13-0029	EA	21-1/2'	Length, Powder Coated, Welded Steel Ladder Cage	3,630.26	217.61
05 51 33 13-0030	EA	22-1/2'	Length, Powder Coated, Welded Steel Ladder Cage	3,754.78	222.56
05 51 33 13-0031	EA	23-1/2'	Length, Powder Coated, Welded Steel Ladder Cage	3,868.88	227.51
05 51 33 13-0032	EA	24-1/2'	Length, Powder Coated, Welded Steel Ladder Cage	3,974.65	232.45
05 51 33 13-0033	EA	25-1/2'	Length, Powder Coated, Welded Steel Ladder Cage	4,209.62	237.40
05 51 33 13-0034	EA	26-1/2'	Length, Powder Coated, Welded Steel Ladder Cage	4,336.24	242.34
05 51 33 13-0035	EA	27-1/2'	Length, Powder Coated, Welded Steel Ladder Cage	4,454.50	247.29

### 05 51 33 13-0036 Stainless Steel, Welded Steel Ladder Cages (05 51 33 13-0013)

05 51 33 13-0037	EA	7-1/2'	Length, Stainless Steel, Welded Steel Ladder Cage	4,259.70	148.37
05 51 33 13-0038	EA	8-1/2'	Length, Stainless Steel, Welded Steel Ladder Cage	4,550.09	153.32
05 51 33 13-0039	EA	9-1/2'	Length, Stainless Steel, Welded Steel Ladder Cage	5,033.48	158.26
05 51 33 13-0040	EA	10-1/2'	Length, Stainless Steel, Welded Steel Ladder Cage	5,272.16	163.21
05 51 33 13-0041	EA	11-1/2'	Length, Stainless Steel, Welded Steel Ladder Cage	5,473.04	168.16
05 51 33 13-0042	EA	12-1/2'	Length, Stainless Steel, Welded Steel Ladder Cage	5,739.56	173.11
05 51 33 13-0043	EA	13-1/2'	Length, Stainless Steel, Welded Steel Ladder Cage	6,218.96	178.04
05 51 33 13-0044	EA	14-1/2'	Length, Stainless Steel, Welded Steel Ladder Cage	6,461.62	182.99
05 51 33 13-0045	EA	15-1/2'	Length, Stainless Steel, Welded Steel Ladder Cage	6,712.23	187.94
05 51 33 13-0046	EA	16-1/2'	Length, Stainless Steel, Welded Steel Ladder Cage	6,986.72	192.89
05 51 33 13-0047	EA	17-1/2'	Length, Stainless Steel, Welded Steel Ladder Cage	7,476.07	197.83
05 51 33 13-0048	EA	18-1/2'	Length, Stainless Steel, Welded Steel Ladder Cage	7,720.70	202.78
05 51 33 13-0049	EA	19-1/2'	Length, Stainless Steel, Welded Steel Ladder Cage	7,953.42	207.73
05 51 33 13-0050	EA	20-1/2'	Length, Stainless Steel, Welded Steel Ladder Cage	8,339.31	212.67
05 51 33 13-0051	EA	21-1/2'	Length, Stainless Steel, Welded Steel Ladder Cage	8,772.95	217.61
05 51 33 13-0052	EA	22-1/2'	Length, Stainless Steel, Welded Steel Ladder Cage	9,013.62	222.56
05 51 33 13-0053	EA	23-1/2'	Length, Stainless Steel, Welded Steel Ladder Cage	9,260.25	227.51
05 51 33 13-0054	EA	24-1/2'	Length, Stainless Steel, Welded Steel Ladder Cage	9,490.98	232.45
05 51 33 13-0055	EA	25-1/2'	Length, Stainless Steel, Welded Steel Ladder Cage	10,083.76	237.40
05 51 33 13-0056	EA	26-1/2'	Length, Stainless Steel, Welded Steel Ladder Cage	10,314.49	242.34
05 51 33 13-0057	EA	27-1/2'	Length, Stainless Steel, Welded Steel Ladder Cage	10,551.17	247.29

### 05 51 33 16 Inclined Metal Ladders (05 51 33)

#### 05 51 33 16-0001 Industrial Ship Ladder, Incline Stairs (05 51 33 16)

Note: Includes factory prime.

05 51 33 16-0002	RSR	3'	Wide Industrial Steel Ship Ladder With 2 Rails Each Side <i>For Aluminum, Add</i>	296.91 99.00	49.45
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### 05 51 33 23 Alternating Tread Ladders (05 51 33)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**05 51 33 23-0001 Vertical Ladders With Alternating Tread** (05 51 33 23)

05 51 33 23-0002	EA		4' Vertical Height Aluminum Alternating Tread Ladder .....	2,100.73	148.37
			For Stainless Steel, Add	196.80	
			For Primed Steel, Deduct	-191.42	
05 51 33 23-0003	EA		5' Vertical Height Aluminum Alternating Tread Ladder .....	2,406.34	157.28
			For Stainless Steel, Add	240.90	
			For Primed Steel, Deduct	-223.30	
05 51 33 23-0004	EA		6' Vertical Height Aluminum Alternating Tread Ladder .....	2,672.21	157.28
			For Stainless Steel, Add	288.67	
			For Primed Steel, Deduct	-241.55	
05 51 33 23-0005	EA		7' Vertical Height Aluminum Alternating Tread Ladder .....	3,050.00	197.63
			For Stainless Steel, Add	347.24	
			For Primed Steel, Deduct	-256.61	
05 51 33 23-0006	EA		8' Vertical Height Aluminum Alternating Tread Ladder .....	3,349.74	204.63
			For Stainless Steel, Add	388.99	
			For Primed Steel, Deduct	-298.53	
05 51 33 23-0007	EA		9' Vertical Height Aluminum Alternating Tread Ladder .....	3,584.67	204.63
			For Stainless Steel, Add	453.51	
			For Primed Steel, Deduct	-293.53	
05 51 33 23-0008	EA		10' Vertical Height Aluminum Alternating Tread Ladder .....	3,936.40	228.27
			For Stainless Steel, Add	497.40	
			For Primed Steel, Deduct	-327.55	
05 51 33 23-0009	EA		11' Vertical Height Aluminum Alternating Tread Ladder .....	4,199.61	228.27
			For Stainless Steel, Add	546.61	
			For Primed Steel, Deduct	-347.07	
05 51 33 23-0010	EA		12' Vertical Height Aluminum Alternating Tread Ladder .....	4,404.40	228.27
			For Stainless Steel, Add	623.99	
			For Primed Steel, Deduct	-346.65	

**05 52 Metal Railings** (05 50)
**05 52 13 Pipe and Tube Railings** (05 52)

Note: Includes embedded steel sleeves, grouting, connection bolts (where necessary) and drilling of bolt (where necessary).

**05 52 13 00-0001 Welded Steel Pipe Railing** (05 52 13)

Note: Includes field welds and touch-up of welds.

**05 52 13 00-0002 One Rail, Up To 42" High, Welded Steel Pipe Railings** (05 52 13 00-0001)

Note: Includes factory primed posts and one rail.

05 52 13 00-0003	LF		1" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing.....	35.33	9.89
			For Schedule 80 Handrail, Add	3.55	
			For 11 Gauge A513 Steel Tubing, Deduct	-3.42	
			For 12 Gauge A513 Steel Tubing, Deduct	-3.89	
			For 14 Gauge A513 Steel Tubing, Deduct	-5.13	
			For 16 Gauge A513 Steel Tubing, Deduct	-6.06	
			For Additional Off Set Handrail, ADA Attachment, Add	12.45	
			For Aluminum, Satin Finish, Add	6.53	
			For Aluminum, Clear Anodized Finish, Add	10.11	
			For Aluminum, Dark Anodized Finish, Add	11.66	
			For Galvanizing, Add	6.22	
			For Wrought Iron, Add	3.53	
			For Solid Steel Rails, Add	7.07	
			For 304 Stainless Steel, Add	49.76	
			For 316 Stainless Steel, Add	55.98	
			For 2" Wheel Guard, Add	1.48	
			For 4" High Kick Plate, Add	1.94	
			For 6" High Kick Plate, Add	3.11	
			For Curved Rail, Add	15.26	
			For Mounting On Stairs, Add	10.60	
			For Mounting On Slopes, Add	3.53	
			For Post Base Flange With Screws, Add Per Post	19.48	
			For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.47	
			For Custom Design Or Shapes (Square Tops, etc), Add	12.72	
			For Nylon Coating, Add	2.33	
05 52 13 00-0004	LF		1-1/4" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing .....	38.01	9.89
			For Schedule 80 Handrail, Add	5.27	
			For 11 Gauge A513 Steel Tubing, Deduct	-4.01	
			For 12 Gauge A513 Steel Tubing, Deduct	-4.56	
			For 14 Gauge A513 Steel Tubing, Deduct	-6.02	
			For 16 Gauge A513 Steel Tubing, Deduct	-7.11	
			For Additional Off Set Handrail, ADA Attachment, Add	12.45	
			For Aluminum, Satin Finish, Add	7.66	
			For Aluminum, Clear Anodized Finish, Add	11.85	
			For Aluminum, Dark Anodized Finish, Add	13.67	
			For Galvanizing, Add	7.29	
			For Wrought Iron, Add	3.80	
			For Solid Steel Rails, Add	7.60	
			For 304 Stainless Steel, Add	58.34	
			For 316 Stainless Steel, Add	65.63	
			For 2" Wheel Guard, Add	1.73	
			For 4" High Kick Plate, Add	2.28	
			For 6" High Kick Plate, Add	3.65	
			For Curved Rail, Add	16.87	
			For Mounting On Stairs, Add	11.40	
			For Mounting On Slopes, Add	3.80	
			For Post Base Flange With Screws, Add Per Post	19.48	
			For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.47	
			For Custom Design Or Shapes (Square Tops, etc), Add	14.06	
			For Nylon Coating, Add	2.73	

**05 Metals****05 50 Metal Fabrications****05 52 Metal Railings**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

05 52 13 00-0005	LF	1-1/2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing.....	40.69	9.89
		<i>For Schedule 80 Handrail, Add</i>	5.27	
		<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-4.60	
		<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-5.23	
		<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-6.90	
		<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-8.15	
		<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	12.45	
		<i>For Aluminum, Satin Finish, Add</i>	8.78	
		<i>For Aluminum, Clear Anodized Finish, Add</i>	13.59	
		<i>For Aluminum, Dark Anodized Finish, Add</i>	15.68	
		<i>For Galvanizing, Add</i>	8.36	
		<i>For Wrought Iron, Add</i>	4.07	
		<i>For Solid Steel Rails, Add</i>	8.14	
		<i>For 304 Stainless Steel, Add</i>	66.91	
		<i>For 316 Stainless Steel, Add</i>	75.28	
		<i>For 2" Wheel Guard, Add</i>	1.99	
		<i>For 4" High Kick Plate, Add</i>	2.61	
		<i>For 6" High Kick Plate, Add</i>	4.18	
		<i>For Curved Rail, Add</i>	18.48	
		<i>For Mounting On Stairs, Add</i>	12.21	
		<i>For Mounting On Slopes, Add</i>	4.07	
		<i>For Post Base Flange With Screws, Add Per Post</i>	19.48	
		<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	29.47	
		<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	15.40	
		<i>For Nylon Coating, Add</i>	3.14	
05 52 13 00-0006	LF	2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing.....	45.33	9.89
		<i>For Schedule 80 Handrail, Add</i>	5.97	
		<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-5.62	
		<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-6.39	
		<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-8.43	
		<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-9.96	
		<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	12.45	
		<i>For Aluminum, Satin Finish, Add</i>	10.73	
		<i>For Aluminum, Clear Anodized Finish, Add</i>	16.61	
		<i>For Aluminum, Dark Anodized Finish, Add</i>	19.16	
		<i>For Galvanizing, Add</i>	10.22	
		<i>For Wrought Iron, Add</i>	4.53	
		<i>For Solid Steel Rails, Add</i>	9.07	
		<i>For 304 Stainless Steel, Add</i>	81.76	
		<i>For 316 Stainless Steel, Add</i>	91.98	
		<i>For 2" Wheel Guard, Add</i>	2.43	
		<i>For 4" High Kick Plate, Add</i>	3.19	
		<i>For 6" High Kick Plate, Add</i>	5.11	
		<i>For Curved Rail, Add</i>	21.26	
		<i>For Mounting On Stairs, Add</i>	13.60	
		<i>For Mounting On Slopes, Add</i>	4.53	
		<i>For Post Base Flange With Screws, Add Per Post</i>	19.48	
		<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	29.47	
		<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	17.72	
		<i>For Nylon Coating, Add</i>	3.83	
05 52 13 00-0007	LF	2-1/2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing.....	50.90	9.89
		<i>For Schedule 80 Handrail, Add</i>	6.68	
		<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-6.85	
		<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-7.78	
		<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-10.27	
		<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-12.14	
		<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	12.45	
		<i>For Aluminum, Satin Finish, Add</i>	13.07	
		<i>For Aluminum, Clear Anodized Finish, Add</i>	20.23	
		<i>For Aluminum, Dark Anodized Finish, Add</i>	23.34	
		<i>For Galvanizing, Add</i>	12.45	
		<i>For Wrought Iron, Add</i>	5.09	
		<i>For Solid Steel Rails, Add</i>	10.18	
		<i>For 304 Stainless Steel, Add</i>	99.58	
		<i>For 316 Stainless Steel, Add</i>	112.03	
		<i>For 2" Wheel Guard, Add</i>	2.96	
		<i>For 4" High Kick Plate, Add</i>	3.89	
		<i>For 6" High Kick Plate, Add</i>	6.22	
		<i>For Curved Rail, Add</i>	24.61	
		<i>For Mounting On Stairs, Add</i>	15.27	
		<i>For Mounting On Slopes, Add</i>	5.09	
		<i>For Post Base Flange With Screws, Add Per Post</i>	19.48	
		<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	29.47	
		<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	20.51	
		<i>For Nylon Coating, Add</i>	4.67	

**05 52 13 00-0008 Two Rail, Up To 42" High, Welded Steel Pipe Railings** (05 52 13 00-0001)

Note: Includes factory primed posts and two rails.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52	13 00-0009	LF	1" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing.....	46.99	9.89
			For Schedule 80 Handrail, Add	3.55	
			For 11 Gauge A513 Steel Tubing, Deduct	-5.99	
			For 12 Gauge A513 Steel Tubing, Deduct	-6.80	
			For 14 Gauge A513 Steel Tubing, Deduct	-8.98	
			For 16 Gauge A513 Steel Tubing, Deduct	-10.61	
			For Additional Off Set Handrail, ADA Attachment, Add	12.45	
			For Aluminum, Satin Finish, Add	11.43	
			For Aluminum, Clear Anodized Finish, Add	17.69	
			For Aluminum, Dark Anodized Finish, Add	20.41	
			For Galvanizing, Add	10.88	
			For Wrought Iron, Add	4.70	
			For Solid Steel Rails, Add	9.40	
			For 304 Stainless Steel, Add	87.07	
			For 316 Stainless Steel, Add	97.96	
			For 2" Wheel Guard, Add	2.58	
			For 4" High Kick Plate, Add	3.40	
			For 6" High Kick Plate, Add	5.44	
			For Curved Rail, Add	22.26	
			For Mounting On Stairs, Add	14.10	
			For Mounting On Slopes, Add	4.70	
			For Post Base Flange With Screws, Add Per Post	19.48	
			For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.47	
			For Custom Design Or Shapes (Square Tops, etc), Add	18.55	
			For Nylon Coating, Add	4.08	
05 52	13 00-0010	LF	1-1/4" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing .....	51.68	9.89
			For Schedule 80 Handrail, Add	5.27	
			For 11 Gauge A513 Steel Tubing, Deduct	-7.02	
			For 12 Gauge A513 Steel Tubing, Deduct	-7.98	
			For 14 Gauge A513 Steel Tubing, Deduct	-10.53	
			For 16 Gauge A513 Steel Tubing, Deduct	-12.44	
			For Additional Off Set Handrail, ADA Attachment, Add	12.45	
			For Aluminum, Satin Finish, Add	13.40	
			For Aluminum, Clear Anodized Finish, Add	20.74	
			For Aluminum, Dark Anodized Finish, Add	23.93	
			For Galvanizing, Add	12.76	
			For Wrought Iron, Add	5.17	
			For Solid Steel Rails, Add	10.34	
			For 304 Stainless Steel, Add	102.08	
			For 316 Stainless Steel, Add	114.84	
			For 2" Wheel Guard, Add	3.03	
			For 4" High Kick Plate, Add	3.99	
			For 6" High Kick Plate, Add	6.38	
			For Curved Rail, Add	25.07	
			For Mounting On Stairs, Add	15.50	
			For Mounting On Slopes, Add	5.17	
			For Post Base Flange With Screws, Add Per Post	19.48	
			For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.47	
			For Custom Design Or Shapes (Square Tops, etc), Add	20.90	
			For Nylon Coating, Add	4.79	
05 52	13 00-0011	LF	1-1/2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing .....	56.36	9.89
			For Schedule 80 Handrail, Add	5.27	
			For 11 Gauge A513 Steel Tubing, Deduct	-8.05	
			For 12 Gauge A513 Steel Tubing, Deduct	-9.15	
			For 14 Gauge A513 Steel Tubing, Deduct	-12.07	
			For 16 Gauge A513 Steel Tubing, Deduct	-14.27	
			For Additional Off Set Handrail, ADA Attachment, Add	12.45	
			For Aluminum, Satin Finish, Add	15.36	
			For Aluminum, Clear Anodized Finish, Add	23.78	
			For Aluminum, Dark Anodized Finish, Add	27.44	
			For Galvanizing, Add	14.63	
			For Wrought Iron, Add	5.64	
			For Solid Steel Rails, Add	11.27	
			For 304 Stainless Steel, Add	117.06	
			For 316 Stainless Steel, Add	131.69	
			For 2" Wheel Guard, Add	3.48	
			For 4" High Kick Plate, Add	4.57	
			For 6" High Kick Plate, Add	7.32	
			For Curved Rail, Add	27.88	
			For Mounting On Stairs, Add	16.91	
			For Mounting On Slopes, Add	5.64	
			For Post Base Flange With Screws, Add Per Post	19.48	
			For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.47	
			For Custom Design Or Shapes (Square Tops, etc), Add	23.24	
			For Nylon Coating, Add	5.49	

**05 Metals**  
**05 50 Metal Fabrications**  
**05 52 Metal Railings**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 52 13 00-0012	LF	2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing.....	64.49	9.89
		<i>For Schedule 80 Handrail, Add</i>	5.97	
		<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-9.84	
		<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-11.18	
		<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-14.75	
		<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-17.44	
		<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	12.45	
		<i>For Aluminum, Satin Finish, Add</i>	18.78	
		<i>For Aluminum, Clear Anodized Finish, Add</i>	29.06	
		<i>For Aluminum, Dark Anodized Finish, Add</i>	33.53	
		<i>For Galvanizing, Add</i>	17.88	
		<i>For Wrought Iron, Add</i>	6.45	
		<i>For Solid Steel Rails, Add</i>	12.90	
		<i>For 304 Stainless Steel, Add</i>	143.07	
		<i>For 316 Stainless Steel, Add</i>	160.96	
		<i>For 2" Wheel Guard, Add</i>	4.25	
		<i>For 4" High Kick Plate, Add</i>	5.59	
		<i>For 6" High Kick Plate, Add</i>	8.94	
		<i>For Curved Rail, Add</i>	32.76	
		<i>For Mounting On Stairs, Add</i>	19.35	
		<i>For Mounting On Slopes, Add</i>	6.45	
		<i>For Post Base Flange With Screws, Add Per Post</i>	19.48	
		<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	29.47	
		<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	27.30	
		<i>For Nylon Coating, Add</i>	6.71	
05 52 13 00-0013	LF	2-1/2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing.....	74.23	9.89
		<i>For Schedule 80 Handrail, Add</i>	6.68	
		<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-11.98	
		<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-13.61	
		<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-17.97	
		<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-21.24	
		<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	12.45	
		<i>For Aluminum, Satin Finish, Add</i>	22.87	
		<i>For Aluminum, Clear Anodized Finish, Add</i>	35.39	
		<i>For Aluminum, Dark Anodized Finish, Add</i>	40.84	
		<i>For Galvanizing, Add</i>	21.78	
		<i>For Wrought Iron, Add</i>	7.42	
		<i>For Solid Steel Rails, Add</i>	14.85	
		<i>For 304 Stainless Steel, Add</i>	174.24	
		<i>For 316 Stainless Steel, Add</i>	196.02	
		<i>For 2" Wheel Guard, Add</i>	5.17	
		<i>For 4" High Kick Plate, Add</i>	6.81	
		<i>For 6" High Kick Plate, Add</i>	10.89	
		<i>For Curved Rail, Add</i>	38.60	
		<i>For Mounting On Stairs, Add</i>	22.27	
		<i>For Mounting On Slopes, Add</i>	7.42	
		<i>For Post Base Flange With Screws, Add Per Post</i>	19.48	
		<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	29.47	
		<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	32.17	
		<i>For Nylon Coating, Add</i>	8.17	
05 52 13 00-0014		<b>Three Rail, Up To 42" High, Welded Steel Pipe Railings</b> <small>(05 52 13 00-0001)</small>		
		Note: Includes factory primed posts and three rails.		
05 52 13 00-0015	LF	1" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	73.73	11.87
		<i>For Schedule 80 Handrail, Add</i>	5.25	
		<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-11.00	
		<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-12.50	
		<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-16.50	
		<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-19.50	
		<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	13.24	
		<i>For Aluminum, Satin Finish, Add</i>	21.00	
		<i>For Aluminum, Clear Anodized Finish, Add</i>	32.49	
		<i>For Aluminum, Dark Anodized Finish, Add</i>	37.49	
		<i>For Galvanizing, Add</i>	20.00	
		<i>For Wrought Iron, Add</i>	7.37	
		<i>For Solid Steel Rails, Add</i>	14.75	
		<i>For 304 Stainless Steel, Add</i>	159.97	
		<i>For 316 Stainless Steel, Add</i>	179.96	
		<i>For 2" Wheel Guard, Add</i>	4.75	
		<i>For 4" High Kick Plate, Add</i>	6.25	
		<i>For 6" High Kick Plate, Add</i>	10.00	
		<i>For Curved Rail, Add</i>	37.12	
		<i>For Mounting On Stairs, Add</i>	22.12	
		<i>For Mounting On Slopes, Add</i>	7.37	
		<i>For Post Base Flange With Screws, Add Per Post</i>	19.87	
		<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	30.06	
		<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	30.93	
		<i>For Nylon Coating, Add</i>	7.50	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 52	13 00-0016	LF	1-1/4" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	82.34	11.87
			For Schedule 80 Handrail, Add	7.55	
			For 11 Gauge A513 Steel Tubing, Deduct	-12.89	
			For 12 Gauge A513 Steel Tubing, Deduct	-14.65	
			For 14 Gauge A513 Steel Tubing, Deduct	-19.34	
			For 16 Gauge A513 Steel Tubing, Deduct	-22.85	
			For Additional Off Set Handrail, ADA Attachment, Add	13.24	
			For Aluminum, Satin Finish, Add	24.61	
			For Aluminum, Clear Anodized Finish, Add	38.09	
			For Aluminum, Dark Anodized Finish, Add	43.95	
			For Galvanizing, Add	23.44	
			For Wrought Iron, Add	8.23	
			For Solid Steel Rails, Add	16.47	
			For 304 Stainless Steel, Add	187.52	
			For 316 Stainless Steel, Add	210.96	
			For 2" Wheel Guard, Add	5.57	
			For 4" High Kick Plate, Add	7.33	
			For 6" High Kick Plate, Add	11.72	
			For Curved Rail, Add	42.28	
			For Mounting On Stairs, Add	24.70	
			For Mounting On Slopes, Add	8.23	
			For Post Base Flange With Screws, Add Per Post	19.87	
			For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.06	
			For Custom Design Or Shapes (Square Tops, etc), Add	35.24	
			For Nylon Coating, Add	8.79	
05 52	13 00-0017	LF	1-1/2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	90.95	11.87
			For Schedule 80 Handrail, Add	7.55	
			For 11 Gauge A513 Steel Tubing, Deduct	-14.79	
			For 12 Gauge A513 Steel Tubing, Deduct	-16.80	
			For 14 Gauge A513 Steel Tubing, Deduct	-22.18	
			For 16 Gauge A513 Steel Tubing, Deduct	-26.21	
			For Additional Off Set Handrail, ADA Attachment, Add	13.24	
			For Aluminum, Satin Finish, Add	28.23	
			For Aluminum, Clear Anodized Finish, Add	43.69	
			For Aluminum, Dark Anodized Finish, Add	50.41	
			For Galvanizing, Add	26.88	
			For Wrought Iron, Add	9.10	
			For Solid Steel Rails, Add	18.19	
			For 304 Stainless Steel, Add	215.07	
			For 316 Stainless Steel, Add	241.96	
			For 2" Wheel Guard, Add	6.38	
			For 4" High Kick Plate, Add	8.40	
			For 6" High Kick Plate, Add	13.44	
			For Curved Rail, Add	47.45	
			For Mounting On Stairs, Add	27.29	
			For Mounting On Slopes, Add	9.10	
			For Post Base Flange With Screws, Add Per Post	19.87	
			For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.06	
			For Custom Design Or Shapes (Square Tops, etc), Add	39.54	
			For Nylon Coating, Add	10.08	
05 52	13 00-0018	LF	2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	105.91	11.87
			For Schedule 80 Handrail, Add	8.48	
			For 11 Gauge A513 Steel Tubing, Deduct	-18.08	
			For 12 Gauge A513 Steel Tubing, Deduct	-20.54	
			For 14 Gauge A513 Steel Tubing, Deduct	-27.12	
			For 16 Gauge A513 Steel Tubing, Deduct	-32.05	
			For Additional Off Set Handrail, ADA Attachment, Add	13.24	
			For Aluminum, Satin Finish, Add	34.51	
			For Aluminum, Clear Anodized Finish, Add	53.41	
			For Aluminum, Dark Anodized Finish, Add	61.63	
			For Galvanizing, Add	32.87	
			For Wrought Iron, Add	10.59	
			For Solid Steel Rails, Add	21.18	
			For 304 Stainless Steel, Add	262.94	
			For 316 Stainless Steel, Add	295.81	
			For 2" Wheel Guard, Add	7.81	
			For 4" High Kick Plate, Add	10.27	
			For 6" High Kick Plate, Add	16.43	
			For Curved Rail, Add	56.42	
			For Mounting On Stairs, Add	31.77	
			For Mounting On Slopes, Add	10.59	
			For Post Base Flange With Screws, Add Per Post	19.87	
			For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.06	
			For Custom Design Or Shapes (Square Tops, etc), Add	47.02	
			For Nylon Coating, Add	12.33	

**05 Metals****05 50 Metal Fabrications****05 52 Metal Railings**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

05 52 13 00-0019	LF	2-1/2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	123.73	11.87
		<i>For Schedule 80 Handrail, Add</i>	9.42	
		<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-22.00	
		<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-25.00	
		<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-33.00	
		<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-39.00	
		<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	13.24	
		<i>For Aluminum, Satin Finish, Add</i>	42.00	
		<i>For Aluminum, Clear Anodized Finish, Add</i>	64.99	
		<i>For Aluminum, Dark Anodized Finish, Add</i>	74.99	
		<i>For Galvanizing, Add</i>	40.00	
		<i>For Wrought Iron, Add</i>	12.37	
		<i>For Solid Steel Rails, Add</i>	24.75	
		<i>For 304 Stainless Steel, Add</i>	319.97	
		<i>For 316 Stainless Steel, Add</i>	359.96	
		<i>For 2" Wheel Guard, Add</i>	9.50	
		<i>For 4" High Kick Plate, Add</i>	12.50	
		<i>For 6" High Kick Plate, Add</i>	20.00	
		<i>For Curved Rail, Add</i>	67.12	
		<i>For Mounting On Stairs, Add</i>	37.12	
		<i>For Mounting On Slopes, Add</i>	12.37	
		<i>For Post Base Flange With Screws, Add Per Post</i>	19.87	
		<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	30.06	
		<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	55.93	
		<i>For Nylon Coating, Add</i>	15.00	

**05 52 13 00-0020 Four Rail, Up To 42" High, Welded Steel Pipe Railings (05 52 13 00-0001)**  
 Note: Includes factory primed posts and four rails.

05 52 13 00-0021	LF	1" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing .....	89.06	13.85
		<i>For Schedule 80 Handrail, Add</i>	7.19	
		<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-13.50	
		<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-15.34	
		<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-20.25	
		<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-23.93	
		<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	14.03	
		<i>For Aluminum, Satin Finish, Add</i>	25.77	
		<i>For Aluminum, Clear Anodized Finish, Add</i>	39.88	
		<i>For Aluminum, Dark Anodized Finish, Add</i>	46.02	
		<i>For Galvanizing, Add</i>	24.54	
		<i>For Wrought Iron, Add</i>	8.91	
		<i>For Solid Steel Rails, Add</i>	17.81	
		<i>For 304 Stainless Steel, Add</i>	196.35	
		<i>For 316 Stainless Steel, Add</i>	220.90	
		<i>For 2" Wheel Guard, Add</i>	5.83	
		<i>For 4" High Kick Plate, Add</i>	7.67	
		<i>For 6" High Kick Plate, Add</i>	12.27	
		<i>For Curved Rail, Add</i>	45.13	
		<i>For Mounting On Stairs, Add</i>	26.72	
		<i>For Mounting On Slopes, Add</i>	8.91	
		<i>For Post Base Flange With Screws, Add Per Post</i>	20.27	
		<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	30.66	
		<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	37.61	
		<i>For Nylon Coating, Add</i>	9.20	
05 52 13 00-0022	LF	1-1/4" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing .....	96.70	13.85
		<i>For Schedule 80 Handrail, Add</i>	10.07	
		<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-15.18	
		<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-17.25	
		<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-22.77	
		<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-26.91	
		<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	14.03	
		<i>For Aluminum, Satin Finish, Add</i>	28.98	
		<i>For Aluminum, Clear Anodized Finish, Add</i>	44.85	
		<i>For Aluminum, Dark Anodized Finish, Add</i>	51.75	
		<i>For Galvanizing, Add</i>	27.60	
		<i>For Wrought Iron, Add</i>	9.67	
		<i>For Solid Steel Rails, Add</i>	19.34	
		<i>For 304 Stainless Steel, Add</i>	220.80	
		<i>For 316 Stainless Steel, Add</i>	248.40	
		<i>For 2" Wheel Guard, Add</i>	6.56	
		<i>For 4" High Kick Plate, Add</i>	8.63	
		<i>For 6" High Kick Plate, Add</i>	13.80	
		<i>For Curved Rail, Add</i>	49.71	
		<i>For Mounting On Stairs, Add</i>	29.01	
		<i>For Mounting On Slopes, Add</i>	9.67	
		<i>For Post Base Flange With Screws, Add Per Post</i>	20.27	
		<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	30.66	
		<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	41.43	
		<i>For Nylon Coating, Add</i>	10.35	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0023	LF		1-1/2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing.....	104.35	13.85
			For Schedule 80 Handrail, Add	10.07	
			For 11 Gauge A513 Steel Tubing, Deduct	-16.86	
			For 12 Gauge A513 Steel Tubing, Deduct	-19.16	
			For 14 Gauge A513 Steel Tubing, Deduct	-25.29	
			For 16 Gauge A513 Steel Tubing, Deduct	-29.89	
			For Additional Off Set Handrail, ADA Attachment, Add	14.03	
			For Aluminum, Satin Finish, Add	32.19	
			For Aluminum, Clear Anodized Finish, Add	49.82	
			For Aluminum, Dark Anodized Finish, Add	57.49	
			For Galvanizing, Add	30.66	
			For Wrought Iron, Add	10.44	
			For Solid Steel Rails, Add	20.87	
			For 304 Stainless Steel, Add	245.28	
			For 316 Stainless Steel, Add	275.94	
			For 2" Wheel Guard, Add	7.28	
			For 4" High Kick Plate, Add	9.58	
			For 6" High Kick Plate, Add	15.33	
			For Curved Rail, Add	54.30	
			For Mounting On Stairs, Add	31.31	
			For Mounting On Slopes, Add	10.44	
			For Post Base Flange With Screws, Add Per Post	20.27	
			For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.66	
			For Custom Design Or Shapes (Square Tops, etc), Add	45.25	
			For Nylon Coating, Add	11.50	
05 52 13 00-0024	LF		2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing.....	121.37	13.85
			For Schedule 80 Handrail, Add	11.23	
			For 11 Gauge A513 Steel Tubing, Deduct	-20.61	
			For 12 Gauge A513 Steel Tubing, Deduct	-23.42	
			For 14 Gauge A513 Steel Tubing, Deduct	-30.91	
			For 16 Gauge A513 Steel Tubing, Deduct	-36.53	
			For Additional Off Set Handrail, ADA Attachment, Add	14.03	
			For Aluminum, Satin Finish, Add	39.34	
			For Aluminum, Clear Anodized Finish, Add	60.89	
			For Aluminum, Dark Anodized Finish, Add	70.25	
			For Galvanizing, Add	37.47	
			For Wrought Iron, Add	12.14	
			For Solid Steel Rails, Add	24.27	
			For 304 Stainless Steel, Add	299.74	
			For 316 Stainless Steel, Add	337.21	
			For 2" Wheel Guard, Add	8.90	
			For 4" High Kick Plate, Add	11.71	
			For 6" High Kick Plate, Add	18.73	
			For Curved Rail, Add	64.51	
			For Mounting On Stairs, Add	36.41	
			For Mounting On Slopes, Add	12.14	
			For Post Base Flange With Screws, Add Per Post	20.27	
			For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.66	
			For Custom Design Or Shapes (Square Tops, etc), Add	53.76	
			For Nylon Coating, Add	14.05	
05 52 13 00-0025	LF		2-1/2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing.....	141.32	13.85
			For Schedule 80 Handrail, Add	12.41	
			For 11 Gauge A513 Steel Tubing, Deduct	-25.00	
			For 12 Gauge A513 Steel Tubing, Deduct	-28.41	
			For 14 Gauge A513 Steel Tubing, Deduct	-37.49	
			For 16 Gauge A513 Steel Tubing, Deduct	-44.31	
			For Additional Off Set Handrail, ADA Attachment, Add	14.03	
			For Aluminum, Satin Finish, Add	47.72	
			For Aluminum, Clear Anodized Finish, Add	73.85	
			For Aluminum, Dark Anodized Finish, Add	85.22	
			For Galvanizing, Add	45.45	
			For Wrought Iron, Add	14.13	
			For Solid Steel Rails, Add	28.26	
			For 304 Stainless Steel, Add	363.58	
			For 316 Stainless Steel, Add	409.03	
			For 2" Wheel Guard, Add	10.79	
			For 4" High Kick Plate, Add	14.20	
			For 6" High Kick Plate, Add	22.72	
			For Curved Rail, Add	76.48	
			For Mounting On Stairs, Add	42.40	
			For Mounting On Slopes, Add	14.13	
			For Post Base Flange With Screws, Add Per Post	20.27	
			For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.66	
			For Custom Design Or Shapes (Square Tops, etc), Add	63.74	
			For Nylon Coating, Add	17.04	
05 52 13 00-0026			<b>Railing Infill Panels</b> <small>(05 52 13)</small>		
			Note: Includes field welds and touch-up of welds.		
05 52 13 00-0027			<b>Wire Mesh Or Welded Wire Mesh, Railing Infill Panels</b> <small>(05 52 13 00-0026)</small>		
			Note: Square weave or square welded wire mesh.		
05 52 13 00-0028	SF		Powder Coated Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel .....	12.08	
05 52 13 00-0029	SF		Galvanized Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel .....	12.83	
05 52 13 00-0030	SF		Aluminum, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel .....	13.49	
05 52 13 00-0031	SF		Stainless Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel .....	22.81	
05 52 13 00-0032			<b>Perforated Metal, Railing Infill Panels</b> <small>(05 52 13 00-0026)</small>		
05 52 13 00-0033	SF		Powder Coated Steel, Perforated Metal, Railing Infill Panel .....	11.85	
05 52 13 00-0034	SF		Galvanized Steel, Perforated Metal, Railing Infill Panel .....	12.25	

**05 Metals****05 50 Metal Fabrications****05 52 Metal Railings**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

05 52 13 00-0035	SF	Aluminum, Perforated Metal, Railing Infill Panel.....	13.12	
05 52 13 00-0036	SF	Stainless Steel, Perforated Metal, Railing Infill Panel.....	26.32	
<b>05 52 13 00-0037</b>		<b>Expanded Metal, Railing Infill Panels</b> (05 52 13 00-0026)		
05 52 13 00-0038	SF	Powder Coated Steel, Expanded Metal, Railing Infill Panel.....	5.35	
05 52 13 00-0039	SF	Galvanized Steel, Expanded Metal, Railing Infill Panel.....	10.93	
05 52 13 00-0040	SF	Aluminum, Expanded Metal, Railing Infill Panel.....	14.35	
05 52 13 00-0041	SF	Stainless Steel, Expanded Metal, Railing Infill Panel.....	21.39	
<b>05 52 13 00-0042</b>		<b>Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railings</b> (05 52 13)		
		Note: Includes factory primed, fasteners and field touch-up of welds.		
05 52 13 00-0043	LF	1" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	35.67	5.94
		For Schedule 80 Handrail, Add	2.09	
		For 11 Gauge A513 Steel Tubing, Deduct	-4.58	
		For 12 Gauge A513 Steel Tubing, Deduct	-5.21	
		For 14 Gauge A513 Steel Tubing, Deduct	-6.87	
		For 16 Gauge A513 Steel Tubing, Deduct	-8.12	
		For Stainless Steel, Add	41.66	
		For Aluminum, Satin Finish, Add	8.75	
		For Curved Rail, Add	10.70	
		For Aluminum, Clear Anodized Finish, Add	13.54	
		For Aluminum, Dark Anodized Finish, Add	15.62	
		For Galvanized Finish, Add	6.25	
05 52 13 00-0044	LF	1-1/4" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	36.34	5.94
		For Schedule 80 Handrail, Add	2.37	
		For 11 Gauge A513 Steel Tubing, Deduct	-4.73	
		For 12 Gauge A513 Steel Tubing, Deduct	-5.38	
		For 14 Gauge A513 Steel Tubing, Deduct	-7.10	
		For 16 Gauge A513 Steel Tubing, Deduct	-8.39	
		For Stainless Steel, Add	43.00	
		For Aluminum, Satin Finish, Add	9.03	
		For Curved Rail, Add	10.90	
		For Aluminum, Clear Anodized Finish, Add	13.98	
		For Aluminum, Dark Anodized Finish, Add	16.13	
		For Galvanized Finish, Add	6.45	
05 52 13 00-0045	LF	1-1/2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	37.01	5.94
		For Schedule 80 Handrail, Add	6.21	
		For 11 Gauge A513 Steel Tubing, Deduct	-4.88	
		For 12 Gauge A513 Steel Tubing, Deduct	-5.54	
		For 14 Gauge A513 Steel Tubing, Deduct	-7.32	
		For 16 Gauge A513 Steel Tubing, Deduct	-8.65	
		For Stainless Steel, Add	44.34	
		For Aluminum, Satin Finish, Add	9.31	
		For Curved Rail, Add	11.10	
		For Aluminum, Clear Anodized Finish, Add	14.41	
		For Aluminum, Dark Anodized Finish, Add	16.63	
		For Galvanized Finish, Add	6.65	
05 52 13 00-0046	LF	2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	44.74	5.94
		For Schedule 80 Handrail, Add	2.89	
		For 11 Gauge A513 Steel Tubing, Deduct	-6.58	
		For 12 Gauge A513 Steel Tubing, Deduct	-7.48	
		For 14 Gauge A513 Steel Tubing, Deduct	-9.87	
		For 16 Gauge A513 Steel Tubing, Deduct	-11.66	
		For Stainless Steel, Add	59.80	
		For Aluminum, Satin Finish, Add	12.56	
		For Curved Rail, Add	13.42	
		For Aluminum, Clear Anodized Finish, Add	19.44	
		For Aluminum, Dark Anodized Finish, Add	22.43	
		For Galvanized Finish, Add	8.97	
05 52 13 00-0047	LF	2-1/2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	51.12	5.94
		For Schedule 80 Handrail, Add	3.13	
		For 11 Gauge A513 Steel Tubing, Deduct	-7.98	
		For 12 Gauge A513 Steel Tubing, Deduct	-9.07	
		For 14 Gauge A513 Steel Tubing, Deduct	-11.97	
		For 16 Gauge A513 Steel Tubing, Deduct	-14.15	
		For Stainless Steel, Add	72.56	
		For Aluminum, Satin Finish, Add	15.24	
		For Curved Rail, Add	15.34	
		For Aluminum, Clear Anodized Finish, Add	23.58	
		For Aluminum, Dark Anodized Finish, Add	27.21	
		For Galvanized Finish, Add	10.88	
<b>05 52 13 00-0048</b>		<b>Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railings</b> (05 52 13)		
		Note: Includes factory primed, fasteners and field touch-up of welds.		
05 52 13 00-0049	LF	1" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	43.56	6.23
		For Schedule 80 Handrail, Add	2.09	
		For 11 Gauge A513 Steel Tubing, Deduct	-6.32	
		For 12 Gauge A513 Steel Tubing, Deduct	-7.18	
		For 14 Gauge A513 Steel Tubing, Deduct	-9.48	
		For 16 Gauge A513 Steel Tubing, Deduct	-11.20	
		For Stainless Steel, Add	57.44	
		For Aluminum, Satin Finish, Add	12.06	
		For Curved Rail, Add	13.07	
		For Aluminum, Clear Anodized Finish, Add	18.67	
		For Aluminum, Dark Anodized Finish, Add	21.54	
		For Galvanized Finish, Add	8.62	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 52 13 00-0050	LF		1-1/4" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	44.50	6.23
			<i>For Schedule 80 Handrail, Add</i>	2.37	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-6.53	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-7.42	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-9.79	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-11.57	
			<i>For Stainless Steel, Add</i>	59.32	
			<i>For Aluminum, Satin Finish, Add</i>	12.46	
			<i>For Curved Rail, Add</i>	13.35	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	19.28	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	22.25	
			<i>For Galvanized Finish, Add</i>	8.90	
05 52 13 00-0051	LF		1-1/2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	45.21	6.23
			<i>For Schedule 80 Handrail, Add</i>	6.21	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-6.68	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-7.59	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-10.02	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-11.84	
			<i>For Stainless Steel, Add</i>	60.74	
			<i>For Aluminum, Satin Finish, Add</i>	12.76	
			<i>For Curved Rail, Add</i>	13.56	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	19.74	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	22.78	
			<i>For Galvanized Finish, Add</i>	9.11	
05 52 13 00-0052	LF		2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	55.99	6.23
			<i>For Schedule 80 Handrail, Add</i>	2.89	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-9.05	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-10.29	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-13.58	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-16.05	
			<i>For Stainless Steel, Add</i>	82.30	
			<i>For Aluminum, Satin Finish, Add</i>	17.28	
			<i>For Curved Rail, Add</i>	16.80	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	26.75	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	30.86	
			<i>For Galvanized Finish, Add</i>	12.35	
05 52 13 00-0053	LF		2-1/2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	63.04	6.23
			<i>For Schedule 80 Handrail, Add</i>	3.13	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-10.60	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-12.05	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-15.91	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-18.80	
			<i>For Stainless Steel, Add</i>	96.40	
			<i>For Aluminum, Satin Finish, Add</i>	20.24	
			<i>For Curved Rail, Add</i>	18.91	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	31.33	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	36.15	
			<i>For Galvanized Finish, Add</i>	14.46	

**05 52 13 00-0054 Remove/Reinstall Pipe Railing** (05 52 13)

05 52 13 00-0055	LF		Removal And Reinstallation Of Wall Bracket Mounted Pipe Railing.....	22.26	
05 52 13 00-0056	LF		Removal And Reinstallation Of Floor Mounted Pipe Railing.....	29.49	
05 52 13 00-0057	EA		Install New Galvanized Steel Pipe Railing Bracket.....	56.26	
			<i>For Stainless Steel, Add</i>	53.18	

**05 53 Metal Gratings** (05 50)

**05 53 13 Bar Gratings** (05 53)

**05 53 13 00-0001 Welded Grating** (05 53 13)

Note: Sizes are for height and width of bearing bars. Welded grating is open grid grating which has bearing bars and cross bars locked in place by resistance welding, or conventional hand welding. Resistance welded grating is produced on precise automated production equipment by combining hydraulic pressure with a powerful electric current to fuse - electroforge - the cross bar and bearing bar into a single rigid panel.

**05 53 13 00-0002 Steel, Welded Grating** (05 53 13 00-0001)

Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.

05 53 13 00-0003	SF		3/4" x 1/8" Steel, Welded Grating .....	8.15	1.09
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	1.01	
			<i>For 304 Stainless Steel, Add</i>	19.16	
			<i>Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center</i>		
			<i>For Bearing Bars At 15/16" On-Center, Add</i>	1.74	
			<i>For Crossbars At 2" On-Center, Add</i>	0.64	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-1.61	
05 53 13 00-0004	SF		3/4" x 3/16" Steel, Welded Grating .....	10.62	1.09
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	1.43	
			<i>For 304 Stainless Steel, Add</i>	27.09	
			<i>Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center</i>		
			<i>For Bearing Bars At 15/16" On-Center, Add</i>	2.46	
			<i>For Crossbars At 2" On-Center, Add</i>	0.91	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-1.67	

**05 Metals**  
**05 50 Metal Fabrications**  
**05 53 Metal Gratings**

MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

05 53 13 00-0005	SF	1" x 1/8" Steel, Welded Grating.....	9.74	1.09
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	1.29	
		For 304 Stainless Steel, Add	24.27	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	2.21	
		For Crossbars At 2" On-Center, Add	0.82	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-1.65	
05 53 13 00-0006	SF	1" x 3/16" Steel, Welded Grating.....	13.09	1.09
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	1.85	
		For 304 Stainless Steel, Add	35.02	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	3.19	
		For Crossbars At 2" On-Center, Add	1.18	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-1.73	
05 53 13 00-0007	SF	1" x 1/4" Steel, Welded Grating.....	16.45	1.09
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	2.43	
		For 304 Stainless Steel, Add	45.81	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	4.17	
		For Crossbars At 2" On-Center, Add	1.54	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-1.82	
05 53 13 00-0008	SF	1-1/4" x 1/8" Steel, Welded Grating .....	11.35	1.09
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	1.56	
		For 304 Stainless Steel, Add	29.44	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	2.68	
		For Crossbars At 2" On-Center, Add	0.99	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-1.69	
05 53 13 00-0009	SF	1-1/4" x 3/16" Steel, Welded Grating .....	15.43	1.09
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	2.25	
		For 304 Stainless Steel, Add	42.53	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	3.87	
		For Crossbars At 2" On-Center, Add	1.43	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-1.79	
05 53 13 00-0010	SF	1-1/2" x 1/8" Steel, Welded Grating .....	12.95	1.09
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	1.83	
		For 304 Stainless Steel, Add	34.57	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	3.14	
		For Crossbars At 2" On-Center, Add	1.16	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-1.73	
05 53 13 00-0011	SF	1-1/2" x 3/16" Steel, Welded Grating .....	18.37	1.34
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	2.67	
		For 304 Stainless Steel, Add	50.40	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	4.58	
		For Crossbars At 2" On-Center, Add	1.70	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-2.18	
05 53 13 00-0012	SF	1-1/2" x 1/4" Steel, Welded Grating .....	23.47	1.34
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	3.54	
		For 304 Stainless Steel, Add	66.77	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	6.07	
		For Crossbars At 2" On-Center, Add	2.25	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-2.31	
05 53 13 00-0013	SF	1-3/4" x 3/16" Steel, Welded Grating .....	20.86	1.34
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	3.09	
		For 304 Stainless Steel, Add	58.39	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	5.31	
		For Crossbars At 2" On-Center, Add	1.96	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-2.24	
05 53 13 00-0014	SF	2" x 3/16" Steel, Welded Grating.....	23.19	1.34
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	3.49	
		For 304 Stainless Steel, Add	65.87	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	5.99	
		For Crossbars At 2" On-Center, Add	2.22	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-2.30	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0015	SF		2-1/4" x 3/16" Steel, Welded Grating ..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	25.66 0.22 3.91 73.80 6.71 2.48 0.16 -2.36	1.34
05 53 13 00-0016	SF		2-1/2" x 3/16" Steel, Welded Grating ..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	28.00 0.22 4.31 81.31 7.40 2.74 0.16 -2.42	1.34
05 53 13 00-0017			<b>Pressure Locked Grating</b> <small>(05 53 13)</small> Note: Sizes are for height and width of bearing bars. Pressure locked grating is an open grid grating which is an assembly of tight-fitting, slotted bearing bars and cross bars, interlocked together. The permanent locking of the bars is accomplished by slotting the bearing bars with a wider 'dovetail' shape at the bottom of the slot. The bearing bar slot is usually 1/2 the depth of the cross bar. The cross bars are slotted to a depth slightly less than half its depth. When the bars are pressed together under hydraulic pressure, the cross bar material is forced into the 'dovetail' shape of the bearing bar notch, forming a strong, rigid unit.		
05 53 13 00-0018			<b>Steel, Pressure Locked Grating</b> <small>(05 53 13 00-0017)</small> Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.		
05 53 13 00-0019	SF		3/4" x 1/8" Steel, Pressure Locked Grating..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Set In Place Without Bolting Or Tack Welding, Deduct	14.63 0.22 2.04 23.29 3.64 1.34 -1.77	1.09
05 53 13 00-0020	SF		3/4" x 3/16" Steel, Pressure Locked Grating..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Set In Place Without Bolting Or Tack Welding, Deduct	17.81 0.22 2.56 29.24 4.56 1.69 -1.85	1.09
05 53 13 00-0021	SF		1" x 1/8" Steel, Pressure Locked Grating..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	15.99 0.22 2.26 25.84 4.03 1.49 0.16 -1.81	1.09
05 53 13 00-0022	SF		1" x 3/16" Steel, Pressure Locked Grating..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 7/16" On-Center, Add For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	21.45 0.22 3.16 36.05 27.94 5.63 2.08 0.16 -1.94	1.09
05 53 13 00-0023	SF		1-1/4" x 1/8" Steel, Pressure Locked Grating..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	17.81 0.22 2.56 29.24 4.56 1.69 0.16 -1.85	1.09
05 53 13 00-0024	SF		1-1/4" x 3/16" Steel, Pressure Locked Grating..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	23.97 0.22 3.57 40.77 6.36 2.35 0.16 -2.01	1.09

**05 Metals****05 50 Metal Fabrications****05 53 Metal Gratings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 53 13 00-0025	SF	1-1/2" x 1/8" Steel, Pressure Locked Grating.....	19.72	1.09
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	2.88	
		For 304 Stainless Steel, Add	32.82	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	5.12	
		For Crossbars At 2" On-Center, Add	1.89	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-1.90	
05 53 13 00-0026	SF	1-1/2" x 3/16" Steel, Pressure Locked Grating.....	27.11	1.34
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	4.01	
		For 304 Stainless Steel, Add	45.73	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 7/16" On-Center, Add	35.44	
		For Bearing Bars At 15/16" On-Center, Add	7.14	
		For Crossbars At 2" On-Center, Add	2.64	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-2.40	
05 53 13 00-0027	SF	1-3/4" x 3/16" Steel, Pressure Locked Grating.....	29.78	1.34
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	4.45	
		For 304 Stainless Steel, Add	50.72	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	7.92	
		For Crossbars At 2" On-Center, Add	2.93	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-2.47	
05 53 13 00-0028	SF	2" x 3/16" Steel, Pressure Locked Grating.....	31.95	1.34
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	4.80	
		For 304 Stainless Steel, Add	54.78	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	8.55	
		For Crossbars At 2" On-Center, Add	3.16	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-2.52	
05 53 13 00-0029	SF	2-1/4" x 3/16" Steel, Pressure Locked Grating.....	34.04	1.34
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	5.14	
		For 304 Stainless Steel, Add	58.69	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	9.16	
		For Crossbars At 2" On-Center, Add	3.39	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-2.57	
05 53 13 00-0030	SF	2-1/2" x 3/16" Steel, Pressure Locked Grating.....	35.84	1.34
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	5.44	
		For 304 Stainless Steel, Add	62.06	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	9.69	
		For Crossbars At 2" On-Center, Add	3.58	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-2.62	
05 53 13 00-0031		<b>Aluminum, Type 6063, Pressure Locked Grating</b> <small>(05 53 13 00-0017)</small>		
		Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted in place, and in all sizes.		
05 53 13 00-0032	SF	3/4" x 1/8" Aluminum, Pressure Locked Grating.....	17.41	1.09
		For Bearing Bars At 15/16" On-Center, Add	4.45	
		For Crossbars At 2" On-Center, Add	1.64	
		For Set In Place Without Bolting, Deduct	-1.84	
		For Powder Coating, Add	2.28	
05 53 13 00-0033	SF	3/4" x 3/16" Aluminum, Pressure Locked Grating.....	23.65	1.09
		For Bearing Bars At 15/16" On-Center, Add	6.27	
		For Crossbars At 2" On-Center, Add	2.32	
		For Set In Place Without Bolting, Deduct	-2.00	
		For Powder Coating, Add	3.22	
05 53 13 00-0034	SF	1" x 1/8" Aluminum, Pressure Locked Grating.....	22.31	1.09
		For Bearing Bars At 15/16" On-Center, Add	5.88	
		For Crossbars At 2" On-Center, Add	2.17	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting, Deduct	-1.96	
		For Powder Coating, Add	3.02	
05 53 13 00-0035	SF	1" x 3/16" Aluminum, Pressure Locked Grating.....	30.38	1.09
		For Bearing Bars At 7/16" On-Center, Add	40.89	
		For Bearing Bars At 15/16" On-Center, Add	8.23	
		For Crossbars At 2" On-Center, Add	3.05	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting, Deduct	-2.17	
		For Powder Coating, Add	4.23	
05 53 13 00-0036	SF	1-1/4" x 1/8" Aluminum, Pressure Locked Grating.....	25.86	1.09
		For Bearing Bars At 15/16" On-Center, Add	6.91	
		For Crossbars At 2" On-Center, Add	2.56	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting, Deduct	-2.05	
		For Powder Coating, Add	3.55	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0037	SF		1-1/4" x 3/16" Aluminum, Pressure Locked Grating..... <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting, Deduct</i> <i>For Powder Coating, Add</i>	34.66 9.48 3.51 0.16 -2.27 4.87	1.09
05 53 13 00-0038	SF		1-1/2" x 1/8" Aluminum, Pressure Locked Grating..... <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting, Deduct</i> <i>For Powder Coating, Add</i>	29.20 7.89 2.92 0.16 -2.14 4.05	1.09
05 53 13 00-0039	SF		1-1/2" x 3/16" Aluminum, Pressure Locked Grating..... <i>For Bearing Bars At 7/16" On-Center, Add</i> <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting, Deduct</i> <i>For Powder Coating, Add</i>	39.07 53.49 10.77 3.98 0.16 -2.38 5.53	1.09
05 53 13 00-0040	SF		1-3/4" x 3/16" Aluminum, Pressure Locked Grating..... <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting, Deduct</i> <i>For Powder Coating, Add</i>	43.30 12.01 4.44 0.16 -2.49 6.17	1.09
05 53 13 00-0041	SF		2" x 3/16" Aluminum, Pressure Locked Grating..... <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting, Deduct</i> <i>For Powder Coating, Add</i>	48.31 13.47 4.98 0.16 -2.61 6.92	1.09
05 53 13 00-0042	SF		2-1/4" x 3/16" Aluminum, Pressure Locked Grating..... <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting, Deduct</i> <i>For Powder Coating, Add</i>	52.23 14.61 5.41 0.16 -2.71 7.51	1.09
05 53 13 00-0043	SF		2-1/2" x 3/16" Aluminum, Pressure Locked Grating..... <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting, Deduct</i> <i>For Powder Coating, Add</i>	56.92 15.98 5.91 0.16 -2.83 8.21	1.09
05 53 13 00-0044			<b>Swage Locked Grating</b> <small>(05 53 13)</small> Note: Sizes are for height and width of bearing bars. Swage locked grating is an open grid grating where bearing bars are pre-punched to receive a cross bar without penetrating or cutting the top surface of the bearing bar. The cross bar is then inserted through the pre-punched hole and deformed by swaging or squeezing under hydraulic pressure to permanently lock the bars in place.		
05 53 13 00-0045			<b>Steel, Swage Locked Grating</b> <small>(05 53 13 00-0044)</small> Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.		
05 53 13 00-0046	SF		1" x 3/16" Steel, Swaged Grating..... <i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> <i>Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center</i> <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	23.39 0.22 1.95 35.17 13.57 1.70 0.16 -1.99	1.09
05 53 13 00-0047	SF		1-1/4" x 3/16" Steel, Swaged Grating..... <i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> <i>Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center</i> <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	26.00 0.22 2.19 39.49 15.24 1.91 0.16 -2.06	1.09
05 53 13 00-0048	SF		1-1/2" x 3/16" Steel, Swaged Grating..... <i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> <i>Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center</i> <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	28.54 0.22 2.38 42.89 16.56 2.07 0.16 -2.44	1.34
05 53 13 00-0049	SF		1-3/4" x 3/16" Steel, Swaged Grating..... <i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> <i>Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center</i> <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	32.55 0.22 2.75 49.54 19.12 2.39 0.16 -2.54	1.34

**05 Metals**  
**05 50 Metal Fabrications**  
**05 53 Metal Gratings**

MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

05 53 13 00-0050	SF	2" x 3/16" Steel, Swaged Grating.....	36.58	1.34
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	3.12	
		For 304 Stainless Steel, Add	56.22	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	21.70	
		For Crossbars At 2" On-Center, Add	2.71	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-2.64	
05 53 13 00-0051	SF	2-1/4" x 3/16" Steel, Swaged Grating.....	40.59	1.34
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	3.49	
		For 304 Stainless Steel, Add	62.87	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	24.27	
		For Crossbars At 2" On-Center, Add	3.03	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-2.74	
05 53 13 00-0052	SF	2-1/2" x 3/16" Steel, Swaged Grating.....	44.61	1.34
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	3.86	
		For 304 Stainless Steel, Add	69.54	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	26.84	
		For Crossbars At 2" On-Center, Add	3.36	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-2.84	
05 53 13 00-0053		<b>Aluminum Grating, Type 6063, Swage Locked</b> (05 53 13 00-0044)		
		Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted in place, and in all sizes.		
05 53 13 00-0054	SF	1" x 1/8" Aluminum, Swaged Grating.....	20.59	1.09
		For Bearing Bars At 15/16" On-Center, Add	11.78	
		For Crossbars At 2" On-Center, Add	1.47	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting, Deduct	-1.92	
		For Powder Coating, Add	2.76	
05 53 13 00-0055	SF	1" x 3/16" Aluminum, Swaged Grating.....	26.75	1.09
		For Bearing Bars At 15/16" On-Center, Add	15.72	
		For Crossbars At 2" On-Center, Add	1.97	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting, Deduct	-2.07	
		For Powder Coating, Add	3.69	
05 53 13 00-0056	SF	1-1/4" x 1/8" Aluminum, Swaged Grating.....	23.36	1.09
		For Bearing Bars At 15/16" On-Center, Add	13.56	
		For Crossbars At 2" On-Center, Add	1.69	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting, Deduct	-1.99	
		For Powder Coating, Add	3.18	
05 53 13 00-0057	SF	1-1/4" x 3/16" Aluminum, Swaged Grating.....	30.89	1.09
		For Bearing Bars At 15/16" On-Center, Add	18.37	
		For Crossbars At 2" On-Center, Add	2.30	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting, Deduct	-2.18	
		For Powder Coating, Add	4.31	
05 53 13 00-0058	SF	1-1/2" x 1/8" Aluminum, Swaged Grating.....	26.64	1.09
		For Bearing Bars At 15/16" On-Center, Add	15.65	
		For Crossbars At 2" On-Center, Add	1.96	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting, Deduct	-2.07	
		For Powder Coating, Add	3.67	
05 53 13 00-0059	SF	1-1/2" x 3/16" Aluminum, Swaged Grating.....	35.33	1.09
		For Bearing Bars At 15/16" On-Center, Add	21.22	
		For Crossbars At 2" On-Center, Add	2.65	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting, Deduct	-2.29	
		For Powder Coating, Add	4.97	
05 53 13 00-0060	SF	1-3/4" x 3/16" Aluminum, Swaged Grating.....	40.45	1.09
		For Bearing Bars At 15/16" On-Center, Add	24.49	
		For Crossbars At 2" On-Center, Add	3.06	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting, Deduct	-2.42	
		For Powder Coating, Add	5.74	
05 53 13 00-0061	SF	2" x 3/16" Aluminum, Swaged Grating.....	45.53	1.09
		For Bearing Bars At 15/16" On-Center, Add	27.74	
		For Crossbars At 2" On-Center, Add	3.47	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting, Deduct	-2.54	
		For Powder Coating, Add	6.50	
05 53 13 00-0062	SF	2-1/4" x 3/16" Aluminum, Swaged Grating.....	50.65	1.09
		For Bearing Bars At 15/16" On-Center, Add	31.02	
		For Crossbars At 2" On-Center, Add	3.88	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting, Deduct	-2.67	
		For Powder Coating, Add	7.27	
05 53 13 00-0063	SF	2-1/2" x 3/16" Aluminum, Swaged Grating.....	55.73	1.09
		For Bearing Bars At 15/16" On-Center, Add	34.27	
		For Crossbars At 2" On-Center, Add	4.28	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting, Deduct	-2.80	
		For Powder Coating, Add	8.03	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 53 13 00-0064			<b>Riveted Grating</b> <small>(05 53 13)</small> Note: Riveted grating is an open grid grating where bearing bars are pre-punched to receive a solid round rivet. Crimp/lacing bars are pre-punched as well and then formed into a reticulated shape. Bearing bars and crimp bars are then assembled and clamped in place by rivets which are cold driven under hydraulic pressure to permanently lock the assembly together.		
05 53 13 00-0065			<b>Steel, Riveted Grating</b> <small>(05 53 13 00-0064)</small> Note: 1" clear opening, bolted or tack welded in place, unpainted steel, all sizes.		
05 53 13 00-0066	SF		3/4" x 1/8", 7.0 LB/SF, Steel, Riveted Grating.....	43.67	1.09
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	1.99	
			For 304 Stainless Steel, Add	35.64	
			For 5/8" Clear Opening, Add	14.31	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.50	
05 53 13 00-0067	SF		3/4" x 3/16", 8.5 LB/SF, Steel, Riveted Grating.....	51.26	1.09
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.36	
			For 304 Stainless Steel, Add	42.16	
			For 5/8" Clear Opening, Add	16.93	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.69	
05 53 13 00-0068	SF		1" x 1/8", 8.0 LB/SF, Steel, Riveted Grating.....	47.16	1.09
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.16	
			For 304 Stainless Steel, Add	38.64	
			For 5/8" Clear Opening, Add	15.52	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.59	
05 53 13 00-0069	SF		1" x 3/16", 9.5 LB/SF, Steel, Riveted Grating.....	54.16	1.09
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.50	
			For 304 Stainless Steel, Add	44.65	
			For 5/8" Clear Opening, Add	17.93	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.76	
05 53 13 00-0070	SF		1-1/4" x 1/8", 9.0 LB/SF, Steel, Riveted Grating.....	50.06	1.09
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.30	
			For 304 Stainless Steel, Add	41.13	
			For 5/8" Clear Opening, Add	16.52	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.66	
05 53 13 00-0071	SF		1-1/4" x 3/16", 11.1 LB/SF, Steel, Riveted Grating.....	59.54	1.09
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.75	
			For 304 Stainless Steel, Add	49.27	
			For 5/8" Clear Opening, Add	19.79	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.89	
05 53 13 00-0072	SF		1-1/2" x 1/8", 10.1 LB/SF, Steel, Riveted Grating.....	53.34	1.34
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.43	
			For 304 Stainless Steel, Add	43.53	
			For 5/8" Clear Opening, Add	17.48	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-3.06	
05 53 13 00-0073	SF		1-1/2" x 3/16", 12.5 LB/SF, Steel, Riveted Grating.....	63.48	1.34
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.92	
			For 304 Stainless Steel, Add	52.24	
			For 5/8" Clear Opening, Add	20.98	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-3.31	
05 53 13 00-0074	SF		1-3/4" x 3/16", 14.0 LB/SF, Steel, Riveted Grating.....	68.65	1.34
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	3.17	
			For 304 Stainless Steel, Add	56.68	
			For 5/8" Clear Opening, Add	22.76	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-3.44	
05 53 13 00-0075	SF		2" x 3/16", 17.0 LB/SF, Steel, Riveted Grating.....	80.20	1.34
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	3.72	
			For 304 Stainless Steel, Add	66.60	
			For 5/8" Clear Opening, Add	26.75	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-3.73	
05 53 13 00-0076	SF		2-1/4" x 3/16", 18.5 LB/SF, Steel, Riveted Grating.....	84.23	1.34
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	3.91	
			For 304 Stainless Steel, Add	70.06	
			For 5/8" Clear Opening, Add	28.14	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-3.83	
05 53 13 00-0077	SF		2-1/2" x 3/16", 20.0 LB/SF, Steel, Riveted Grating.....	87.81	1.34
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	4.09	
			For 304 Stainless Steel, Add	73.14	
			For 5/8" Clear Opening, Add	29.37	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-3.92	

MINOR	CSI	UOM	DESCRIPTION
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TOTAL DIRECT	DEMOLITION
UNIT COST	UNIT COST

05 53 13 00-0078	Aluminum, Riveted Grating <small>(05 53 13 00-0064)</small>		
	Note: 1" clear opening, bolted in place and in all sizes.		
05 53 13 00-0079	SF 3/4" x 1/8", 2.4 LB/SF, Aluminum, Riveted Grating.....	44.21	1.09
	For 5/8" Clear Opening, Add	14.50	
	For Powder Coating, Add	6.30	
	For Set In Place Without Bolting, Deduct	-2.51	
05 53 13 00-0080	SF 3/4" x 3/16", 2.9 LB/SF, Aluminum, Riveted Grating.....	52.53	1.09
	For 5/8" Clear Opening, Add	17.37	
	For Powder Coating, Add	7.55	
	For Set In Place Without Bolting, Deduct	-2.72	
05 53 13 00-0081	SF 1" x 1/8", 2.7 LB/SF, Aluminum, Riveted Grating.....	48.66	1.09
	For 5/8" Clear Opening, Add	16.04	
	For Serrated Wear Surface, Add	0.16	
	For Powder Coating, Add	6.97	
	For Set In Place Without Bolting, Deduct	-2.62	
05 53 13 00-0082	SF 1" x 3/16", 3.2 LB/SF, Aluminum, Riveted Grating.....	56.78	1.09
	For 5/8" Clear Opening, Add	18.84	
	For Serrated Wear Surface, Add	0.16	
	For Powder Coating, Add	8.19	
	For Set In Place Without Bolting, Deduct	-2.83	
05 53 13 00-0083	SF 1-1/4" x 1/8", 3.1 LB/SF, Aluminum, Riveted Grating.....	54.60	1.09
	For 5/8" Clear Opening, Add	18.08	
	For Serrated Wear Surface, Add	0.16	
	For Powder Coating, Add	7.86	
	For Set In Place Without Bolting, Deduct	-2.77	
05 53 13 00-0084	SF 1-1/4" x 3/16", 3.8 LB/SF, Aluminum, Riveted Grating.....	65.88	1.09
	For 5/8" Clear Opening, Add	21.98	
	For Serrated Wear Surface, Add	0.16	
	For Powder Coating, Add	9.56	
	For Set In Place Without Bolting, Deduct	-3.05	
05 53 13 00-0085	SF 1-1/2" x 1/8", 3.4 LB/SF, Aluminum, Riveted Grating.....	58.67	1.09
	For 5/8" Clear Opening, Add	19.49	
	For Serrated Wear Surface, Add	0.16	
	For Powder Coating, Add	8.47	
	For Set In Place Without Bolting, Deduct	-2.87	
05 53 13 00-0086	SF 1-1/2" x 3/16", 4.3 LB/SF, Aluminum, Riveted Grating.....	72.98	1.09
	For 5/8" Clear Opening, Add	24.43	
	For Serrated Wear Surface, Add	0.16	
	For Powder Coating, Add	10.62	
	For Set In Place Without Bolting, Deduct	-3.23	
05 53 13 00-0087	SF 1-3/4" x 3/16", 4.8 LB/SF, Aluminum, Riveted Grating.....	80.49	1.09
	For 5/8" Clear Opening, Add	27.02	
	For Serrated Wear Surface, Add	0.16	
	For Powder Coating, Add	11.75	
	For Set In Place Without Bolting, Deduct	-3.42	
05 53 13 00-0088	SF 2" x 3/16", 5.8 LB/SF, Aluminum, Riveted Grating.....	95.91	1.09
	For 5/8" Clear Opening, Add	32.34	
	For Serrated Wear Surface, Add	0.16	
	For Powder Coating, Add	14.06	
	For Set In Place Without Bolting, Deduct	-3.80	
05 53 13 00-0089	SF 2-1/4" x 3/16", 6.4 LB/SF, Aluminum, Riveted Grating.....	104.66	1.09
	For 5/8" Clear Opening, Add	35.36	
	For Serrated Wear Surface, Add	0.16	
	For Powder Coating, Add	15.37	
	For Set In Place Without Bolting, Deduct	-4.02	
05 53 13 00-0090	SF 2-1/2" x 3/16", 7.2 LB/SF, Aluminum, Riveted Grating.....	116.39	1.09
	For 5/8" Clear Opening, Add	39.40	
	For Serrated Wear Surface, Add	0.16	
	For Powder Coating, Add	17.13	
	For Set In Place Without Bolting, Deduct	-4.32	

## 05 54 Metal Floor Plates (05 50)

05 54 00 00-0001	Steel Floor Plates <small>(05 54)</small>		
05 54 00 00-0002	SF 16 Gauge Steel Raised Or Diamond Pattern Floor Plates.....	16.48	1.29
05 54 00 00-0003	SF 14 Gauge Steel Raised Or Diamond Pattern Floor Plates.....	18.84	1.29
05 54 00 00-0004	SF 12 Gauge Steel Raised Or Diamond Pattern Floor Plates.....	23.60	1.29
05 54 00 00-0005	SF 1/8" Steel Raised Or Diamond Pattern Floor Plates.....	31.58	1.38
05 54 00 00-0006	SF 1/4" Steel Raised Or Diamond Pattern Floor Plates.....	40.11	1.48
05 54 00 00-0007	Aluminum Alloy Floor Plates <small>(05 54)</small>		
05 54 00 00-0008	SF 0.125" Aluminum Alloy Raised Or Diamond Pattern Floor Plate.....	24.59	1.09
	For Powder Coating, Add	3.36	
05 54 00 00-0009	SF 0.188" Aluminum Alloy Raised Or Diamond Pattern Floor Plate.....	28.21	1.29
	For Powder Coating, Add	3.86	
05 54 00 00-0010	SF 0.25" Aluminum Alloy Raised Or Diamond Pattern Floor Plate.....	31.85	1.38
	For Powder Coating, Add	4.36	
05 54 00 00-0011	Type 304 Stainless Steel Floor Plates <small>(05 54)</small>		
05 54 00 00-0012	SF 1/8" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate.....	28.47	1.48
05 54 00 00-0013	SF 3/16" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate.....	34.01	1.68
05 54 00 00-0014	SF 1/4" Type 304 Stainless Raised Or Diamond Pattern Steel Floor Plate.....	43.98	1.98

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 55 Metal Stair Treads and Nosings (05 50)

**05 55 13 Metal Stair Treads (05 55)**

**05 55 13 00-0001 Abrasive Cast Aluminum Stair Treads (05 55 13)**

Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.

05 55 13 00-0002	LF		8" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread .....	59.80	6.10
			<i>For 3/8" Thick, Add</i>	12.51	
05 55 13 00-0003	LF		9" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread .....	65.76	6.10
			<i>For 3/8" Thick, Add</i>	14.00	
05 55 13 00-0004	LF		10" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread .....	71.71	6.10
			<i>For 3/8" Thick, Add</i>	15.49	
05 55 13 00-0005	LF		11" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread .....	77.69	6.10
			<i>For 3/8" Thick, Add</i>	16.98	
05 55 13 00-0006	LF		12" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread .....	83.61	6.10
			<i>For 3/8" Thick, Add</i>	18.46	

**05 55 13 00-0007 Abrasive Cast Iron Stair Treads (05 55 13)**

Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.

05 55 13 00-0008	LF		8" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread .....	82.92	6.10
05 55 13 00-0009	LF		9" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread .....	91.75	6.10
05 55 13 00-0010	LF		10" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread .....	100.59	6.10
05 55 13 00-0011	LF		11" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread .....	109.42	6.10
05 55 13 00-0012	LF		12" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread .....	118.27	6.10

**05 55 13 00-0013 Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Treads (05 55 13)**

Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.

05 55 13 00-0014	LF		6-1/2" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread.....	31.93	6.10
05 55 13 00-0015	LF		9" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread.....	37.33	6.10
05 55 13 00-0016	LF		11" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread.....	39.71	6.10

**05 55 13 00-0017 Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Treads (05 55 13)**

Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.

05 55 13 00-0018	LF		8" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread.....	46.83	6.10
			<i>For Epoxy Sealed For Corrosive Environment, Add</i>	3.75	
			<i>For Two Color Tread, Add</i>	2.81	
05 55 13 00-0019	LF		9" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread.....	47.28	6.10
			<i>For Epoxy Sealed For Corrosive Environment, Add</i>	3.75	
			<i>For Two Color Tread, Add</i>	2.81	
05 55 13 00-0020	LF		11" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread.....	56.99	6.10
			<i>For Epoxy Sealed For Corrosive Environment, Add</i>	3.75	
			<i>For Two Color Tread, Add</i>	2.81	
05 55 13 00-0021	LF		12" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread.....	65.50	6.10
			<i>For Epoxy Sealed For Corrosive Environment, Add</i>	3.75	
			<i>For Two Color Tread, Add</i>	2.81	
05 55 13 00-0022	LF		15" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread.....	76.60	6.10
			<i>For Epoxy Sealed For Corrosive Environment, Add</i>	3.75	
			<i>For Two Color Tread, Add</i>	2.81	

**05 55 13 00-0023 Stair Landing Treads (05 55 13)**

**05 55 13 00-0024 Abrasive Cast Aluminum Stair Landing Treads (05 55 13 00-0023)**

Note: Includes abrasive diamond pattern surface and anchors.

05 55 13 00-0025	SF		5/16" Thick, Abrasive Cast Aluminum Landing Treads.....	83.61	6.10
			<i>For 3/8" Thick, Add</i>	18.46	

**05 55 13 00-0026 Abrasive Cast Iron Stair Landing Treads (05 55 13 00-0023)**

Note: Includes abrasive diamond pattern surface and anchors.

05 55 13 00-0027	SF		3/8" Thick, Abrasive Cast Iron Landing Treads.....	118.27	6.10
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**05 55 13 00-0028 Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads (05 55 13 00-0023)**

Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.

05 55 13 00-0029	SF		9/32" Thick, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads .....	77.57	6.10
			<i>For Epoxy Sealed For Corrosive Environment, Add</i>	3.75	

**05 55 13 00-0030 Open Cast Iron Stair Tread (05 55 13)**

Note: Includes steel stringers, safety nosing and 2 pipe handrail. Excludes landings.

05 55 13 00-0031	RSR		3'-6" Wide, Open Cast Iron Stair Tread.....	575.33	39.57
			<i>For Closed Riser, Add</i>	49.21	
05 55 13 00-0032	RSR		4'-0" Wide, Open Cast Iron Stair Tread.....	646.49	45.51
			<i>For Closed Riser, Add</i>	55.15	
05 55 13 00-0033	RSR		5'-0" Wide, Open Cast Iron Stair Tread.....	712.82	53.41
			<i>For Closed Riser, Add</i>	60.73	

**05 Metals****05 50 Metal Fabrications****05 55 Metal Stair Treads and Nosings**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST
**05 55 16 Metal Stair Nosings (05 55)****05 55 16 00-0001 Abrasive Cast Aluminum Nosings (05 55 16)**

Note: Includes abrasive diamond pattern surface and anchors.

05 55 16 00-0002	LF	3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing.....	25.45	4.17
		For 3/8" Thick, Add	4.70	
05 55 16 00-0003	LF	4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing.....	31.21	4.17
		For 3/8" Thick, Add	6.14	
05 55 16 00-0004	LF	6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing.....	44.03	4.17
		For 3/8" Thick, Add	9.34	

**05 55 16 00-0005 Abrasive Cast Iron Nosings (05 55 16)**

Note: Includes abrasive diamond pattern surface and anchors.

05 55 16 00-0006	LF	3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing.....	29.65	4.17
		For 3/8" Thick, Add	5.75	
05 55 16 00-0007	LF	4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing.....	36.74	4.17
		For 3/8" Thick, Add	7.52	
05 55 16 00-0008	LF	6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing.....	50.74	4.17
		For 3/8" Thick, Add	11.02	

**05 55 16 00-0009 Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosings (05 55 16)**

Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.

05 55 16 00-0010	LF	1-7/8" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	21.55	4.17
05 55 16 00-0011	LF	3" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	24.33	4.17
05 55 16 00-0012	LF	4" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	26.45	4.17
05 55 16 00-0013	LF	6" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	33.03	4.17
05 55 16 00-0014	LF	1-7/8" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	22.30	4.17
05 55 16 00-0015	LF	3" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	24.67	4.17
05 55 16 00-0016	LF	4" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	27.01	4.17
05 55 16 00-0017	LF	3" Depth, 1/4" Thick, 1-3/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	25.58	4.17

**05 56 Metal Castings (05 50)****05 56 00 00-0001 Castings (05 56)**

05 56 00 00-0002	LB	Up To 150 LB, Miscellaneous Castings, Light Section.....	4.57	0.49
05 56 00 00-0003	LB	>150 LB, Miscellaneous Castings, Heavy Section.....	7.74	0.39

**05 58 Formed Metal Fabrications (05 50)****05 58 13 Column Covers (05 58)****05 58 13 00-0001 Architectural Column Cover, Aluminum (05 58 13)**

Note: Includes snapform column joint, anodized finish, and column collars at top and bottom (Pitcon Series 1500).

05 58 13 00-0002	LF	10" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section.....	114.34	
		Note: Includes column base and top collar.		
05 58 13 00-0003	LF	12" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section.....	134.78	
		Note: Includes column base and top collar.		
05 58 13 00-0004	LF	14" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section.....	161.29	
		Note: Includes column base and top collar.		
05 58 13 00-0005	LF	16" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section.....	181.73	
		Note: Includes column base and top collar.		
05 58 13 00-0006	LF	18" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section.....	204.60	
		Note: Includes column base and top collar.		
05 58 13 00-0007	LF	20" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section.....	227.21	
		Note: Includes column base and top collar.		
05 58 13 00-0008	LF	24" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section.....	270.38	
		Note: Includes column base and top collar.		
05 58 13 00-0009	LF	30" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section.....	334.66	
		Note: Includes column base and top collar.		
05 58 13 00-0010	LF	36" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section.....	365.06	
		Note: Includes column base and top collar.		
05 58 13 00-0011	LF	42" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section.....	395.46	
		Note: Includes column base and top collar.		
05 58 13 00-0012	LF	48" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section.....	446.26	
		Note: Includes column base and top collar.		
05 58 13 00-0013	LF	54" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section.....	521.36	
		Note: Includes column base and top collar.		

**05 58 13 00-0014 Monolithic Column Cover, Aluminum (05 58 13)**

Note: Includes painted, and column collars at top and bottom (Pitcon Series 100).

05 58 13 00-0015	LF	7" Diameter Monolithic Column Cover, Aluminum, Factory.....	43.78	
05 58 13 00-0016	LF	8" Diameter Monolithic Column Cover, Aluminum, Factory.....	49.70	
05 58 13 00-0017	LF	9" Diameter Monolithic Column Cover, Aluminum, Factory.....	55.47	
05 58 13 00-0018	LF	10" Diameter Monolithic Column Cover, Aluminum, Factory.....	61.53	
05 58 13 00-0019	LF	12" Diameter Monolithic Column Cover, Aluminum, Factory Primed.....	73.04	
		Note: Including Column Base And Top Collar		

**05 58 16 Formed Metal Enclosures (05 58)**

<b>05 58 16 00-0001</b>	<b>Drip Pan (05 58 16)</b>		
05 58 16 00-0002	SF Stainless Steel Drip Pan .....	92.45	5.71
05 58 16 00-0003	SF Galvanized Steel Drip Pan .....	91.33	5.71
05 58 16 00-0004	SF Aluminum Drip Pan .....	64.13	4.57
05 58 16 00-0005	SF Plastic Drip Pan .....	16.80	4.00

**05 58 23 Formed Metal Guards (05 58)**

<b>05 58 23 00-0001</b>	<b>Protective Guard Rails (05 58 23)</b>		
Note: Includes painted finish.			

<b>05 58 23 00-0002</b>	<b>2-Rib, 11 Gauge Steel, Protective Guard Rails (05 58 23 00-0001)</b>		
Note: Steel King Armor Guard.			

<b>05 58 23 00-0003</b>	<b>Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rails (05 58 23 00-0002)</b>		
Note: Excludes posts. Includes fasteners.			

05 58 23 00-0004	EA 1' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail .....	172.22	19.99
05 58 23 00-0005	EA 2' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail .....	202.01	19.99
05 58 23 00-0006	EA 3' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail .....	230.11	19.99
05 58 23 00-0007	EA 4' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail .....	259.91	19.99
05 58 23 00-0008	EA 5' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail .....	288.17	19.99
05 58 23 00-0009	EA 6' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail .....	324.81	19.99
05 58 23 00-0010	EA 7' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail .....	349.77	19.99
05 58 23 00-0011	EA 8' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail .....	388.42	19.99
05 58 23 00-0012	EA 9' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail .....	413.79	19.99
05 58 23 00-0013	EA 10' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail .....	431.91	19.99

<b>05 58 23 00-0014</b>	<b>Posts For 2-Rib Guard Rails (05 58 23 00-0002)</b>		
Note: Includes drilling, surface mounting plate and anchors.			

05 58 23 00-0015	EA 12" Height, Single Rail Post For 2-Rib Guard Rails .....	347.40	41.64
05 58 23 00-0016	EA 42" Height, Triple Rail Post For 2-Rib Guard Rails .....	450.88	41.64

<b>05 58 23 00-0017</b>	<b>3-Rib, 11 Gauge Steel, Protective Guard Rails (05 58 23 00-0001)</b>		
Note: Steel King Steel Guard.			

<b>05 58 23 00-0018</b>	<b>Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rails (05 58 23 00-0017)</b>		
Note: Excludes posts. Includes fasteners.			

05 58 23 00-0019	EA 1' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	190.17	19.99
05 58 23 00-0020	EA 2' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	209.98	19.99
05 58 23 00-0021	EA 3' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	234.70	19.99
05 58 23 00-0022	EA 4' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	257.81	19.99
05 58 23 00-0023	EA 5' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	284.55	19.99
05 58 23 00-0024	EA 6' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	297.43	19.99
05 58 23 00-0025	EA 7' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	328.43	19.99
05 58 23 00-0026	EA 8' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	354.60	19.99
05 58 23 00-0027	EA 9' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	382.38	19.99
05 58 23 00-0028	EA 10' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	410.57	19.99

<b>05 58 23 00-0029</b>	<b>Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rails (05 58 23 00-0017)</b>		
Note: Excludes posts. Includes fasteners and lift-out mounting plate.			

05 58 23 00-0030	EA 1' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	279.31	19.99
05 58 23 00-0031	EA 2' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	301.05	19.99
05 58 23 00-0032	EA 3' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	323.60	19.99
05 58 23 00-0033	EA 4' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	349.77	19.99
05 58 23 00-0034	EA 5' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	375.94	19.99
05 58 23 00-0035	EA 6' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	397.28	19.99
05 58 23 00-0036	EA 7' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	421.84	19.99
05 58 23 00-0037	EA 8' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	449.62	19.99
05 58 23 00-0038	EA 9' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	479.42	19.99
05 58 23 00-0039	EA 10' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	505.59	19.99

<b>05 58 23 00-0040</b>	<b>Posts For 3-Rib Guard Rails (05 58 23 00-0017)</b>		
Note: Includes drilling, surface mounting plate and anchors.			

05 58 23 00-0041	EA 18" Height, Single Rail Post For 3-Rib Guard Rails .....	306.17	41.64
05 58 23 00-0042	EA 42" Height, Double Rail Post For 3-Rib Guard Rails .....	390.08	41.64

<b>05 58 23 00-0043</b>	<b>All-Welded, Protective Guards (05 58 23)</b>		
Note: Surface mounted inverted-U style protective barriers. Includes painted finish, drilling, surface mounting plate and anchors.			

<b>05 58 23 00-0044</b>	<b>All-Welded, Protective Guards (05 58 23 00-0043)</b>		
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05 58 23 00-0045	EA 36" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard .....	399.72	55.52
05 58 23 00-0046	EA 48" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard .....	419.85	55.52
05 58 23 00-0047	EA 36" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard .....	431.53	55.52
05 58 23 00-0048	EA 48" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard .....	448.84	55.52
05 58 23 00-0049	EA 36" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard .....	444.82	55.52
05 58 23 00-0050	EA 48" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard .....	466.15	55.52
05 58 23 00-0051	EA 36" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard .....	472.19	55.52
05 58 23 00-0052	EA 48" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard .....	479.04	55.52

**05 Metals****05 50 Metal Fabrications****05 58 Formed Metal Fabrications**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 58 23 00-0053	EA	48" Length, 42" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	511.65	55.52
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**05 58 23 00-0054 Corner Style, All-Welded, Protective Guards** (05 58 23 00-0043)

05 58 23 00-0055	EA	24" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard.....	524.53	55.52
05 58 23 00-0056	EA	30" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard.....	548.69	55.52
05 58 23 00-0057	EA	24" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard.....	558.76	55.52
05 58 23 00-0058	EA	30" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard.....	608.28	55.52

**05 58 23 00-0059 Warehouse Safety Bollards** (05 58 23)

Note: Includes painted finish, drilling, surface mounting plate and anchors.

05 58 23 00-0060	EA	24" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard.....	249.11	41.64
05 58 23 00-0061	EA	36" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard.....	288.89	41.64
05 58 23 00-0062	EA	42" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard.....	331.01	41.64
05 58 23 00-0063	EA	36" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard.....	342.52	41.64
05 58 23 00-0064	EA	42" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard.....	369.09	41.64

**05 59 Metal Specialties** (05 50)**05 59 65 Metal Chain** (05 59)**05 59 65 00-0001 Alloy Steel Chain, Self Colored, Cut Length** (05 59 65)

Note: Includes all connecting links, double clevis mid-Links, slip or grab hooks, or shackles as required.

05 59 65 00-0002	LF	3/16" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	5.42	0.96
		<i>For Plastic Dipped, Add</i>	0.53	
05 59 65 00-0003	LF	1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	7.03	1.27
		<i>For Plastic Dipped, Add</i>	0.67	
05 59 65 00-0004	LF	3/8" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	11.13	2.54
		<i>For Plastic Dipped, Add</i>	0.91	
05 59 65 00-0005	LF	1/2" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	17.88	4.29
		<i>For Plastic Dipped, Add</i>	1.40	
05 59 65 00-0006	LF	5/8" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	30.19	7.25
		<i>For Plastic Dipped, Add</i>	2.36	
05 59 65 00-0007	LF	3/4" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	42.36	10.17
		<i>For Plastic Dipped, Add</i>	3.30	
05 59 65 00-0008	LF	7/8" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	57.72	12.71
		<i>For Plastic Dipped, Add</i>	4.85	
05 59 65 00-0009	LF	1" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	83.41	16.94
		<i>For Plastic Dipped, Add</i>	7.43	
05 59 65 00-0010	LF	1-1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	135.59	25.42
		<i>For Plastic Dipped, Add</i>	12.71	

**05 59 69 Metal Panels** (05 59)**05 59 69 00-0001 Woven And Welded Wire Cloth** (05 59 69)

Note: Excludes frame and fastening to frame. See CSI section 05 05 21 00-0004 for spot welding.

**05 59 69 00-0002 Plain Steel Woven And Welded Wire Cloth Panels** (05 59 69 00-0001)**05 59 69 00-0003 2" Square Wire Spacing** (05 59 69 00-0002)

05 59 69 00-0004	SF	0.12" Thick Wire, 2" Spacing, 0.44 LB/SF Woven And Welded Wire Cloth Panels.....	8.55	2.71
		<i>For Up To 2, Add</i>	2.43	
		<i>For &gt;2 To 6, Add</i>	1.40	
		<i>For &gt;15 To 40, Deduct</i>	-0.25	
		<i>For &gt;40, Deduct</i>	-0.74	
		<i>For Galvanized, Add</i>	2.17	
		<i>For Aluminum, Add</i>	2.96	
		<i>For 304 Stainless Steel, Add</i>	11.83	
		<i>For 316 Stainless Steel, Add</i>	13.56	
05 59 69 00-0005	SF	0.135" Thick Wire, 2" Spacing, 0.55 LB/SF Woven And Welded Wire Cloth Panels.....	9.19	2.82
		<i>For Up To 2, Add</i>	2.59	
		<i>For &gt;2 To 6, Add</i>	1.48	
		<i>For &gt;15 To 40, Deduct</i>	-0.27	
		<i>For &gt;40, Deduct</i>	-0.81	
		<i>For Galvanized, Add</i>	2.38	
		<i>For Aluminum, Add</i>	3.25	
		<i>For 304 Stainless Steel, Add</i>	13.01	
		<i>For 316 Stainless Steel, Add</i>	14.91	
05 59 69 00-0006	SF	0.148" Thick Wire, 2" Spacing, 0.65 LB/SF Woven And Welded Wire Cloth Panels.....	9.78	3.14
		<i>For Up To 2, Add</i>	2.79	
		<i>For &gt;2 To 6, Add</i>	1.61	
		<i>For &gt;15 To 40, Deduct</i>	-0.28	
		<i>For &gt;40, Deduct</i>	-0.84	
		<i>For Galvanized, Add</i>	2.46	
		<i>For Aluminum, Add</i>	3.36	
		<i>For 304 Stainless Steel, Add</i>	13.44	
		<i>For 316 Stainless Steel, Add</i>	15.40	
05 59 69 00-0007	SF	0.162" Thick Wire, 2" Spacing, 0.78 LB/SF Woven And Welded Wire Cloth Panels.....	10.31	3.27
		<i>For Up To 2, Add</i>	2.93	
		<i>For &gt;2 To 6, Add</i>	1.68	
		<i>For &gt;15 To 40, Deduct</i>	-0.30	
		<i>For &gt;40, Deduct</i>	-0.89	
		<i>For Galvanized, Add</i>	2.62	
		<i>For Aluminum, Add</i>	3.58	
		<i>For 304 Stainless Steel, Add</i>	14.30	
		<i>For 316 Stainless Steel, Add</i>	16.39	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0008	SF		0.177" Thick Wire, 2" Spacing, 0.92 LB/SF Woven And Welded Wire Cloth Panels .....	11.28	3.66
			For Up To 2, Add	3.23	
			For >2 To 6, Add	1.86	
			For >15 To 40, Deduct	-0.32	
			For >40, Deduct	-0.96	
			For Galvanized, Add	2.82	
			For Aluminum, Add	3.84	
			For 304 Stainless Steel, Add	15.36	
			For 316 Stainless Steel, Add	17.60	
05 59 69 00-0009	SF		0.192" Thick Wire, 2" Spacing, 1.08 LB/SF Woven And Welded Wire Cloth Panels .....	12.95	4.07
			For Up To 2, Add	3.68	
			For >2 To 6, Add	2.11	
			For >15 To 40, Deduct	-0.38	
			For >40, Deduct	-1.13	
			For Galvanized, Add	3.30	
			For Aluminum, Add	4.51	
			For 304 Stainless Steel, Add	18.02	
			For 316 Stainless Steel, Add	20.65	
05 59 69 00-0010	SF		0.207" Thick Wire, 2" Spacing, 1.25 LB/SF Woven And Welded Wire Cloth Panels .....	14.68	4.49
			For Up To 2, Add	4.13	
			For >2 To 6, Add	2.37	
			For >15 To 40, Deduct	-0.44	
			For >40, Deduct	-1.31	
			For Galvanized, Add	3.83	
			For Aluminum, Add	5.22	
			For 304 Stainless Steel, Add	20.88	
			For 316 Stainless Steel, Add	23.93	
05 59 69 00-0011	SF		0.225" Thick Wire, 2" Spacing, 1.46 LB/SF Woven And Welded Wire Cloth Panels .....	16.80	4.98
			For Up To 2, Add	4.69	
			For >2 To 6, Add	2.68	
			For >15 To 40, Deduct	-0.51	
			For >40, Deduct	-1.52	
			For Galvanized, Add	4.47	
			For Aluminum, Add	6.10	
			For 304 Stainless Steel, Add	24.38	
			For 316 Stainless Steel, Add	27.94	
<b>05 59 69 00-0012</b>			<b>1-3/4" Square Wire Spacing <small>(05 59 69 00-0002)</small></b>		
05 59 69 00-0013	SF		0.12" Thick Wire, 1-3/4" Spacing, 0.49 LB/SF Woven And Welded Wire Cloth Panels .....	8.97	2.87
			For Up To 2, Add	2.56	
			For >2 To 6, Add	1.47	
			For >15 To 40, Deduct	-0.26	
			For >40, Deduct	-0.77	
			For Galvanized, Add	2.26	
			For Aluminum, Add	3.08	
			For 304 Stainless Steel, Add	12.34	
			For 316 Stainless Steel, Add	14.14	
05 59 69 00-0014	SF		0.135" Thick Wire, 1-3/4" Spacing, 0.62 LB/SF Woven And Welded Wire Cloth Panels .....	9.86	3.03
			For Up To 2, Add	2.78	
			For >2 To 6, Add	1.59	
			For >15 To 40, Deduct	-0.29	
			For >40, Deduct	-0.87	
			For Galvanized, Add	2.56	
			For Aluminum, Add	3.49	
			For 304 Stainless Steel, Add	13.97	
			For 316 Stainless Steel, Add	16.01	
05 59 69 00-0015	SF		0.148" Thick Wire, 1-3/4" Spacing, 0.74 LB/SF Woven And Welded Wire Cloth Panels .....	10.62	3.40
			For Up To 2, Add	3.03	
			For >2 To 6, Add	1.74	
			For >15 To 40, Deduct	-0.30	
			For >40, Deduct	-0.91	
			For Galvanized, Add	2.68	
			For Aluminum, Add	3.65	
			For 304 Stainless Steel, Add	14.59	
			For 316 Stainless Steel, Add	16.72	
05 59 69 00-0016	SF		0.162" Thick Wire, 1-3/4" Spacing, 0.88 LB/SF Woven And Welded Wire Cloth Panels .....	11.08	3.51
			For Up To 2, Add	3.15	
			For >2 To 6, Add	1.81	
			For >15 To 40, Deduct	-0.32	
			For >40, Deduct	-0.96	
			For Galvanized, Add	2.82	
			For Aluminum, Add	3.84	
			For 304 Stainless Steel, Add	15.36	
			For 316 Stainless Steel, Add	17.60	
05 59 69 00-0017	SF		0.177" Thick Wire, 1-3/4" Spacing, 1.04 LB/SF Woven And Welded Wire Cloth Panels .....	12.13	3.93
			For Up To 2, Add	3.47	
			For >2 To 6, Add	2.00	
			For >15 To 40, Deduct	-0.34	
			For >40, Deduct	-1.03	
			For Galvanized, Add	3.03	
			For Aluminum, Add	4.13	
			For 304 Stainless Steel, Add	16.54	
			For 316 Stainless Steel, Add	18.95	

## 05 Metals

## 05 50 Metal Fabrications

## 05 59 Metal Specialties

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 59 69 00-0018	SF	0.192" Thick Wire, 1-3/4" Spacing, 1.22 LB/SF Woven And Welded Wire Cloth Panels	13.94	4.40
		For Up To 2, Add	3.96	
		For >2 To 6, Add	2.27	
		For >15 To 40, Deduct	-0.40	
		For >40, Deduct	-1.21	
		For Galvanized, Add	3.56	
		For Aluminum, Add	4.85	
		For 304 Stainless Steel, Add	19.39	
		For 316 Stainless Steel, Add	22.22	
05 59 69 00-0019	SF	0.207" Thick Wire, 1-3/4" Spacing, 1.41 LB/SF Woven And Welded Wire Cloth Panels	15.77	4.82
		For Up To 2, Add	4.44	
		For >2 To 6, Add	2.54	
		For >15 To 40, Deduct	-0.47	
		For >40, Deduct	-1.40	
		For Galvanized, Add	4.11	
		For Aluminum, Add	5.60	
		For 304 Stainless Steel, Add	22.42	
		For 316 Stainless Steel, Add	25.69	
05 59 69 00-0020	SF	0.225" Thick Wire, 1-3/4" Spacing, 1.65 LB/SF Woven And Welded Wire Cloth Panels	18.08	5.36
		For Up To 2, Add	5.05	
		For >2 To 6, Add	2.88	
		For >15 To 40, Deduct	-0.55	
		For >40, Deduct	-1.64	
		For Galvanized, Add	4.81	
		For Aluminum, Add	6.56	
		For 304 Stainless Steel, Add	26.23	
		For 316 Stainless Steel, Add	30.06	
05 59 69 00-0021		<b>1-1/2" Square Wire Spacing</b> (05 59 69 00-0002)		
05 59 69 00-0022	SF	0.12" Thick Wire, 1-1/2" Spacing, 0.57 LB/SF Woven And Welded Wire Cloth Panels	9.94	3.20
		For Up To 2, Add	2.84	
		For >2 To 6, Add	1.63	
		For >15 To 40, Deduct	-0.28	
		For >40, Deduct	-0.85	
		For Galvanized, Add	2.50	
		For Aluminum, Add	3.41	
		For 304 Stainless Steel, Add	13.66	
		For 316 Stainless Steel, Add	15.65	
05 59 69 00-0023	SF	0.135" Thick Wire, 1-1/2" Spacing, 0.72 LB/SF Woven And Welded Wire Cloth Panels	10.92	3.36
		For Up To 2, Add	3.08	
		For >2 To 6, Add	1.76	
		For >15 To 40, Deduct	-0.32	
		For >40, Deduct	-0.97	
		For Galvanized, Add	2.83	
		For Aluminum, Add	3.86	
		For 304 Stainless Steel, Add	15.46	
		For 316 Stainless Steel, Add	17.71	
05 59 69 00-0024	SF	0.148" Thick Wire, 1-1/2" Spacing, 0.85 LB/SF Woven And Welded Wire Cloth Panels	11.61	3.72
		For Up To 2, Add	3.31	
		For >2 To 6, Add	1.91	
		For >15 To 40, Deduct	-0.33	
		For >40, Deduct	-1.00	
		For Galvanized, Add	2.93	
		For Aluminum, Add	3.99	
		For 304 Stainless Steel, Add	15.96	
		For 316 Stainless Steel, Add	18.29	
05 59 69 00-0025	SF	0.162" Thick Wire, 1-1/2" Spacing, 1.02 LB/SF Woven And Welded Wire Cloth Panels	12.23	3.87
		For Up To 2, Add	3.48	
		For >2 To 6, Add	2.00	
		For >15 To 40, Deduct	-0.35	
		For >40, Deduct	-1.06	
		For Galvanized, Add	3.11	
		For Aluminum, Add	4.24	
		For 304 Stainless Steel, Add	16.97	
		For 316 Stainless Steel, Add	19.44	
05 59 69 00-0026	SF	0.177" Thick Wire, 1-1/2" Spacing, 1.2 LB/SF Woven And Welded Wire Cloth Panels	13.35	4.33
		For Up To 2, Add	3.83	
		For >2 To 6, Add	2.20	
		For >15 To 40, Deduct	-0.38	
		For >40, Deduct	-1.14	
		For Galvanized, Add	3.33	
		For Aluminum, Add	4.54	
		For 304 Stainless Steel, Add	18.17	
		For 316 Stainless Steel, Add	20.82	
05 59 69 00-0027	SF	0.192" Thick Wire, 1-1/2" Spacing, 1.4 LB/SF Woven And Welded Wire Cloth Panels	15.23	4.80
		For Up To 2, Add	4.32	
		For >2 To 6, Add	2.48	
		For >15 To 40, Deduct	-0.44	
		For >40, Deduct	-1.33	
		For Galvanized, Add	3.89	
		For Aluminum, Add	5.30	
		For 304 Stainless Steel, Add	21.22	
		For 316 Stainless Steel, Add	24.31	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0028	SF		0.207" Thick Wire, 1-1/2" Spacing, 1.62 LB/SF Woven And Welded Wire Cloth Panels .....	17.25	5.28
			For Up To 2, Add	4.86	
			For >2 To 6, Add	2.78	
			For >15 To 40, Deduct	-0.51	
			For >40, Deduct	-1.53	
			For Galvanized, Add	4.50	
			For Aluminum, Add	6.13	
			For 304 Stainless Steel, Add	24.53	
			For 316 Stainless Steel, Add	28.11	
05 59 69 00-0029	SF		0.225" Thick Wire, 1-1/2" Spacing, 1.89 LB/SF Woven And Welded Wire Cloth Panels .....	19.72	5.85
			For Up To 2, Add	5.50	
			For >2 To 6, Add	3.14	
			For >15 To 40, Deduct	-0.60	
			For >40, Deduct	-1.79	
			For Galvanized, Add	5.25	
			For Aluminum, Add	7.16	
			For 304 Stainless Steel, Add	28.63	
			For 316 Stainless Steel, Add	32.81	
<b>05 59 69 00-0030</b>			<b>1-1/4" Square Wire Spacing</b> <small>(05 59 69 00-0002)</small>		
05 59 69 00-0031	SF		0.105" Thick Wire, 1-1/4" Spacing, 0.52 LB/SF Woven And Welded Wire Cloth Panels .....	10.19	3.45
			For Up To 2, Add	2.96	
			For >2 To 6, Add	1.71	
			For >15 To 40, Deduct	-0.28	
			For >40, Deduct	-0.84	
			For Galvanized, Add	2.46	
			For Aluminum, Add	3.35	
			For 304 Stainless Steel, Add	13.39	
			For 316 Stainless Steel, Add	15.35	
05 59 69 00-0032	SF		0.12" Thick Wire, 1-1/4" Spacing, 0.68 LB/SF Woven And Welded Wire Cloth Panels .....	11.00	3.62
			For Up To 2, Add	3.17	
			For >2 To 6, Add	1.82	
			For >15 To 40, Deduct	-0.31	
			For >40, Deduct	-0.93	
			For Galvanized, Add	2.71	
			For Aluminum, Add	3.70	
			For 304 Stainless Steel, Add	14.81	
			For 316 Stainless Steel, Add	16.97	
05 59 69 00-0033	SF		0.135" Thick Wire, 1-1/4" Spacing, 0.85 LB/SF Woven And Welded Wire Cloth Panels .....	11.94	3.77
			For Up To 2, Add	3.39	
			For >2 To 6, Add	1.95	
			For >15 To 40, Deduct	-0.35	
			For >40, Deduct	-1.04	
			For Galvanized, Add	3.04	
			For Aluminum, Add	4.15	
			For 304 Stainless Steel, Add	16.58	
			For 316 Stainless Steel, Add	19.00	
05 59 69 00-0034	SF		0.148" Thick Wire, 1-1/4" Spacing, 1.01 LB/SF Woven And Welded Wire Cloth Panels .....	12.30	3.84
			For Up To 2, Add	3.48	
			For >2 To 6, Add	2.00	
			For >15 To 40, Deduct	-0.36	
			For >40, Deduct	-1.08	
			For Galvanized, Add	3.16	
			For Aluminum, Add	4.31	
			For 304 Stainless Steel, Add	17.23	
			For 316 Stainless Steel, Add	19.75	
05 59 69 00-0035	SF		0.162" Thick Wire, 1-1/4" Spacing, 1.2 LB/SF Woven And Welded Wire Cloth Panels .....	13.35	4.34
			For Up To 2, Add	3.83	
			For >2 To 6, Add	2.20	
			For >15 To 40, Deduct	-0.38	
			For >40, Deduct	-1.13	
			For Galvanized, Add	3.33	
			For Aluminum, Add	4.54	
			For 304 Stainless Steel, Add	18.14	
			For 316 Stainless Steel, Add	20.79	
05 59 69 00-0036	SF		0.177" Thick Wire, 1-1/4" Spacing, 1.42 LB/SF Woven And Welded Wire Cloth Panels .....	15.05	4.88
			For Up To 2, Add	4.31	
			For >2 To 6, Add	2.48	
			For >15 To 40, Deduct	-0.43	
			For >40, Deduct	-1.28	
			For Galvanized, Add	3.76	
			For Aluminum, Add	5.12	
			For 304 Stainless Steel, Add	20.50	
			For 316 Stainless Steel, Add	23.49	
05 59 69 00-0037	SF		0.192" Thick Wire, 1-1/4" Spacing, 1.65 LB/SF Woven And Welded Wire Cloth Panels .....	17.10	5.39
			For Up To 2, Add	4.86	
			For >2 To 6, Add	2.79	
			For >15 To 40, Deduct	-0.50	
			For >40, Deduct	-1.49	
			For Galvanized, Add	4.36	
			For Aluminum, Add	5.95	
			For 304 Stainless Steel, Add	23.81	
			For 316 Stainless Steel, Add	27.28	

<b>05</b>	<b>Metals</b>
<b>05 50</b>	<b>Metal Fabrications</b>
<b>05 59</b>	<b>Metal Specialties</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 59 69 00-0038	SF		0.207" Thick Wire, 1-1/4" Spacing, 1.9 LB/SF Woven And Welded Wire Cloth Panels .....	19.27	5.89
			For Up To 2, Add	5.42	
			For >2 To 6, Add	3.10	
			For >15 To 40, Deduct	-0.57	
			For >40, Deduct	-1.71	
			For Galvanized, Add	5.02	
			For Aluminum, Add	6.85	
			For 304 Stainless Steel, Add	27.41	
			For 316 Stainless Steel, Add	31.41	
05 59 69 00-0039	SF		0.225" Thick Wire, 1-1/4" Spacing, 2.22 LB/SF Woven And Welded Wire Cloth Panels .....	22.05	6.54
			For Up To 2, Add	6.15	
			For >2 To 6, Add	3.51	
			For >15 To 40, Deduct	-0.67	
			For >40, Deduct	-2.00	
			For Galvanized, Add	5.87	
			For Aluminum, Add	8.00	
			For 304 Stainless Steel, Add	32.02	
			For 316 Stainless Steel, Add	36.69	
<b>05 59 69 00-0040</b>			<b>1" Square Wire Spacing <small>(05 59 69 00-0002)</small></b>		
05 59 69 00-0041	SF		0.105" Thick Wire, 1" Spacing, 0.64 LB/SF Woven And Welded Wire Cloth Panels.....	11.63	4.04
			For Up To 2, Add	3.40	
			For >2 To 6, Add	1.97	
			For >15 To 40, Deduct	-0.31	
			For >40, Deduct	-0.94	
			For Galvanized, Add	2.75	
			For Aluminum, Add	3.74	
			For 304 Stainless Steel, Add	14.98	
			For 316 Stainless Steel, Add	17.16	
05 59 69 00-0042	SF		0.12" Thick Wire, 1" Spacing, 0.83 LB/SF Woven And Welded Wire Cloth Panels.....	12.46	4.21
			For Up To 2, Add	3.61	
			For >2 To 6, Add	2.09	
			For >15 To 40, Deduct	-0.34	
			For >40, Deduct	-1.03	
			For Galvanized, Add	3.01	
			For Aluminum, Add	4.11	
			For 304 Stainless Steel, Add	16.44	
			For 316 Stainless Steel, Add	18.84	
05 59 69 00-0043	SF		0.135" Thick Wire, 1" Spacing, 1.04 LB/SF Woven And Welded Wire Cloth Panels.....	12.98	4.40
			For Up To 2, Add	3.77	
			For >2 To 6, Add	2.18	
			For >15 To 40, Deduct	-0.36	
			For >40, Deduct	-1.07	
			For Galvanized, Add	3.13	
			For Aluminum, Add	4.27	
			For 304 Stainless Steel, Add	17.06	
			For 316 Stainless Steel, Add	19.55	
05 59 69 00-0044	SF		0.148" Thick Wire, 1" Spacing, 1.23 LB/SF Woven And Welded Wire Cloth Panels.....	13.90	4.46
			For Up To 2, Add	3.97	
			For >2 To 6, Add	2.28	
			For >15 To 40, Deduct	-0.40	
			For >40, Deduct	-1.19	
			For Galvanized, Add	3.50	
			For Aluminum, Add	4.77	
			For 304 Stainless Steel, Add	19.08	
			For 316 Stainless Steel, Add	21.86	
05 59 69 00-0045	SF		0.162" Thick Wire, 1" Spacing, 1.46 LB/SF Woven And Welded Wire Cloth Panels.....	15.46	5.02
			For Up To 2, Add	4.43	
			For >2 To 6, Add	2.55	
			For >15 To 40, Deduct	-0.44	
			For >40, Deduct	-1.31	
			For Galvanized, Add	3.85	
			For Aluminum, Add	5.26	
			For 304 Stainless Steel, Add	21.02	
			For 316 Stainless Steel, Add	24.09	
05 59 69 00-0046	SF		0.177" Thick Wire, 1" Spacing, 1.72 LB/SF Woven And Welded Wire Cloth Panels.....	17.35	5.63
			For Up To 2, Add	4.97	
			For >2 To 6, Add	2.86	
			For >15 To 40, Deduct	-0.49	
			For >40, Deduct	-1.48	
			For Galvanized, Add	4.33	
			For Aluminum, Add	5.91	
			For 304 Stainless Steel, Add	23.64	
			For 316 Stainless Steel, Add	27.09	
05 59 69 00-0047	SF		0.192" Thick Wire, 1" Spacing, 2.01 LB/SF Woven And Welded Wire Cloth Panels.....	19.83	6.24
			For Up To 2, Add	5.63	
			For >2 To 6, Add	3.23	
			For >15 To 40, Deduct	-0.58	
			For >40, Deduct	-1.73	
			For Galvanized, Add	5.06	
			For Aluminum, Add	6.90	
			For 304 Stainless Steel, Add	27.60	
			For 316 Stainless Steel, Add	31.63	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0048	SF	0.207" Thick Wire, 1" Spacing, 2.31 LB/SF Woven And Welded Wire Cloth Panels .....	22.31	6.82
		For Up To 2, Add	6.28	
		For >2 To 6, Add	3.59	
		For >15 To 40, Deduct	-0.66	
		For >40, Deduct	-1.98	
		For Galvanized, Add	5.82	
		For Aluminum, Add	7.93	
		For 304 Stainless Steel, Add	31.73	
		For 316 Stainless Steel, Add	36.36	
05 59 69 00-0049	SF	0.225" Thick Wire, 1" Spacing, 2.69 LB/SF Woven And Welded Wire Cloth Panels .....	25.46	7.54
		For Up To 2, Add	7.10	
		For >2 To 6, Add	4.06	
		For >15 To 40, Deduct	-0.77	
		For >40, Deduct	-2.31	
		For Galvanized, Add	6.78	
		For Aluminum, Add	9.24	
		For 304 Stainless Steel, Add	36.96	
		For 316 Stainless Steel, Add	42.35	
<b>05 59 69 00-0050</b>		<b>3/4" Square Wire Spacing (05 59 69 00-0002)</b>		
05 59 69 00-0051	SF	0.105" Thick Wire, 3/4" Spacing, 0.83 LB/SF Woven And Welded Wire Cloth Panels .....	11.77	4.03
		For Up To 2, Add	3.43	
		For >2 To 6, Add	1.98	
		For >15 To 40, Deduct	-0.32	
		For >40, Deduct	-0.96	
		For Galvanized, Add	2.81	
		For Aluminum, Add	3.83	
		For 304 Stainless Steel, Add	15.34	
		For 316 Stainless Steel, Add	17.57	
05 59 69 00-0052	SF	0.12" Thick Wire, 3/4" Spacing, 1.07 LB/SF Woven And Welded Wire Cloth Panels .....	13.14	4.53
		For Up To 2, Add	3.83	
		For >2 To 6, Add	2.22	
		For >15 To 40, Deduct	-0.36	
		For >40, Deduct	-1.07	
		For Galvanized, Add	3.13	
		For Aluminum, Add	4.27	
		For 304 Stainless Steel, Add	17.06	
		For 316 Stainless Steel, Add	19.55	
05 59 69 00-0053	SF	0.135" Thick Wire, 3/4" Spacing, 1.33 LB/SF Woven And Welded Wire Cloth Panels .....	14.55	5.11
		For Up To 2, Add	4.27	
		For >2 To 6, Add	2.48	
		For >15 To 40, Deduct	-0.39	
		For >40, Deduct	-1.16	
		For Galvanized, Add	3.41	
		For Aluminum, Add	4.64	
		For 304 Stainless Steel, Add	18.58	
		For 316 Stainless Steel, Add	21.29	
05 59 69 00-0054	SF	0.148" Thick Wire, 3/4" Spacing, 1.58 LB/SF Woven And Welded Wire Cloth Panels .....	15.73	5.45
		For Up To 2, Add	4.60	
		For >2 To 6, Add	2.66	
		For >15 To 40, Deduct	-0.42	
		For >40, Deduct	-1.27	
		For Galvanized, Add	3.72	
		For Aluminum, Add	5.08	
		For 304 Stainless Steel, Add	20.30	
		For 316 Stainless Steel, Add	23.27	
05 59 69 00-0055	SF	0.162" Thick Wire, 3/4" Spacing, 1.87 LB/SF Woven And Welded Wire Cloth Panels .....	18.19	6.13
		For Up To 2, Add	5.27	
		For >2 To 6, Add	3.05	
		For >15 To 40, Deduct	-0.50	
		For >40, Deduct	-1.50	
		For Galvanized, Add	4.40	
		For Aluminum, Add	6.01	
		For 304 Stainless Steel, Add	24.02	
		For 316 Stainless Steel, Add	27.53	
05 59 69 00-0056	SF	0.177" Thick Wire, 3/4" Spacing, 2.2 LB/SF Woven And Welded Wire Cloth Panels .....	20.92	6.86
		For Up To 2, Add	6.01	
		For >2 To 6, Add	3.46	
		For >15 To 40, Deduct	-0.59	
		For >40, Deduct	-1.77	
		For Galvanized, Add	5.18	
		For Aluminum, Add	7.07	
		For 304 Stainless Steel, Add	28.27	
		For 316 Stainless Steel, Add	32.40	
05 59 69 00-0057	SF	0.192" Thick Wire, 3/4" Spacing, 2.56 LB/SF Woven And Welded Wire Cloth Panels .....	23.82	7.57
		For Up To 2, Add	6.79	
		For >2 To 6, Add	3.90	
		For >15 To 40, Deduct	-0.69	
		For >40, Deduct	-2.06	
		For Galvanized, Add	6.03	
		For Aluminum, Add	8.23	
		For 304 Stainless Steel, Add	32.90	
		For 316 Stainless Steel, Add	37.70	

<b>05</b>	<b>Metals</b>
<b>05 50</b>	<b>Metal Fabrications</b>
<b>05 59</b>	<b>Metal Specialties</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 59 69 00-0058	SF		0.207" Thick Wire, 3/4" Spacing, 2.93 LB/SF Woven And Welded Wire Cloth Panels.....	26.67	8.24
			For Up To 2, Add	7.53	
			For >2 To 6, Add	4.31	
			For >15 To 40, Deduct	-0.78	
			For >40, Deduct	-2.35	
			For Galvanized, Add	6.90	
			For Aluminum, Add	9.41	
			For 304 Stainless Steel, Add	37.66	
			For 316 Stainless Steel, Add	43.15	
05 59 69 00-0059	SF		0.225" Thick Wire, 3/4" Spacing, 3.41 LB/SF Woven And Welded Wire Cloth Panels.....	30.40	9.11
			For Up To 2, Add	8.51	
			For >2 To 6, Add	4.86	
			For >15 To 40, Deduct	-0.91	
			For >40, Deduct	-2.74	
			For Galvanized, Add	8.03	
			For Aluminum, Add	10.96	
			For 304 Stainless Steel, Add	43.82	
			For 316 Stainless Steel, Add	50.22	
<b>05 59 69 00-0060</b>			<b>1/2" Square Wire Spacing (05 59 69 00-0002)</b>		
05 59 69 00-0061	SF		0.105" Thick Wire, 1/2" Spacing, 1.18 LB/SF Woven And Welded Wire Cloth Panels.....	12.30	4.32
			For Up To 2, Add	3.61	
			For >2 To 6, Add	2.09	
			For >15 To 40, Deduct	-0.33	
			For >40, Deduct	-0.98	
			For Galvanized, Add	2.88	
			For Aluminum, Add	3.92	
			For 304 Stainless Steel, Add	15.70	
			For 316 Stainless Steel, Add	17.99	
05 59 69 00-0062	SF		0.12" Thick Wire, 1/2" Spacing, 1.51 LB/SF Woven And Welded Wire Cloth Panels.....	14.40	5.24
			For Up To 2, Add	4.28	
			For >2 To 6, Add	2.49	
			For >15 To 40, Deduct	-0.37	
			For >40, Deduct	-1.11	
			For Galvanized, Add	3.25	
			For Aluminum, Add	4.43	
			For 304 Stainless Steel, Add	17.74	
			For 316 Stainless Steel, Add	20.32	
05 59 69 00-0063	SF		0.135" Thick Wire, 1/2" Spacing, 1.88 LB/SF Woven And Welded Wire Cloth Panels.....	17.39	6.21
			For Up To 2, Add	5.13	
			For >2 To 6, Add	2.98	
			For >15 To 40, Deduct	-0.46	
			For >40, Deduct	-1.37	
			For Galvanized, Add	4.01	
			For Aluminum, Add	5.47	
			For 304 Stainless Steel, Add	21.86	
			For 316 Stainless Steel, Add	25.05	
05 59 69 00-0064	SF		0.148" Thick Wire, 1/2" Spacing, 2.22 LB/SF Woven And Welded Wire Cloth Panels.....	20.05	6.97
			For Up To 2, Add	5.87	
			For >2 To 6, Add	3.40	
			For >15 To 40, Deduct	-0.54	
			For >40, Deduct	-1.61	
			For Galvanized, Add	4.73	
			For Aluminum, Add	6.46	
			For 304 Stainless Steel, Add	25.82	
			For 316 Stainless Steel, Add	29.59	
05 59 69 00-0065	SF		0.162" Thick Wire, 1/2" Spacing, 2.61 LB/SF Woven And Welded Wire Cloth Panels.....	23.02	7.78
			For Up To 2, Add	6.68	
			For >2 To 6, Add	3.86	
			For >15 To 40, Deduct	-0.63	
			For >40, Deduct	-1.90	
			For Galvanized, Add	5.57	
			For Aluminum, Add	7.59	
			For 304 Stainless Steel, Add	30.36	
			For 316 Stainless Steel, Add	34.79	
05 59 69 00-0066	SF		0.177" Thick Wire, 1/2" Spacing, 3.06 LB/SF Woven And Welded Wire Cloth Panels.....	26.39	8.66
			For Up To 2, Add	7.59	
			For >2 To 6, Add	4.37	
			For >15 To 40, Deduct	-0.74	
			For >40, Deduct	-2.22	
			For Galvanized, Add	6.53	
			For Aluminum, Add	8.90	
			For 304 Stainless Steel, Add	35.59	
			For 316 Stainless Steel, Add	40.78	
05 59 69 00-0067	SF		0.192" Thick Wire, 1/2" Spacing, 3.54 LB/SF Woven And Welded Wire Cloth Panels.....	29.86	9.53
			For Up To 2, Add	8.51	
			For >2 To 6, Add	4.89	
			For >15 To 40, Deduct	-0.86	
			For >40, Deduct	-2.57	
			For Galvanized, Add	7.55	
			For Aluminum, Add	10.30	
			For 304 Stainless Steel, Add	41.18	
			For 316 Stainless Steel, Add	47.19	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0068	SF		0.207" Thick Wire, 1/2" Spacing, 4.04 LB/SF Woven And Welded Wire Cloth Panels .....	33.35	10.33
			For Up To 2, Add	9.42	
			For >2 To 6, Add	5.40	
			For >15 To 40, Deduct	-0.98	
			For >40, Deduct	-2.94	
			For Galvanized, Add	8.62	
			For Aluminum, Add	11.75	
			For 304 Stainless Steel, Add	46.99	
			For 316 Stainless Steel, Add	53.85	
05 59 69 00-0069	SF		0.225" Thick Wire, 1/2" Spacing, 4.68 LB/SF Woven And Welded Wire Cloth Panels .....	34.73	11.37
			For Up To 2, Add	9.98	
			For >2 To 6, Add	5.75	
			For >15 To 40, Deduct	-0.98	
			For >40, Deduct	-2.94	
			For Galvanized, Add	8.62	
			For Aluminum, Add	11.75	
			For 304 Stainless Steel, Add	46.99	
			For 316 Stainless Steel, Add	53.85	
05 59 69 00-0070			<b>Expanded Metal Panels</b> <small>(05 59 69)</small>		
			Note: Excludes frame and fastening to frame. See CSI section 05 05 21 00-0004 for spot welding.		
05 59 69 00-0071			<b>Plain Flattened Expanded Metal Diamond Shape Panels</b> <small>(05 59 69 00-0070)</small>		
			Note: Excludes frame and fastening to frame. See CSI section 05 05 21 00-0004 for spot welding.		
05 59 69 00-0072	SF		1/4" #20-F Plain Expanded Metal Panel, 0.82 LB/SF .....	10.91	3.72
			For Galvanized, Add	2.62	
			For Aluminum, Add	3.57	
			For 304 Stainless Steel, Add	14.28	
			For 316 Stainless Steel, Add	16.36	
05 59 69 00-0073	SF		1/4" #18-F Plain Expanded Metal Panel, 1.08 LB/SF .....	13.86	4.07
			For Galvanized, Add	3.70	
			For Aluminum, Add	5.05	
			For 304 Stainless Steel, Add	20.21	
			For 316 Stainless Steel, Add	23.16	
05 59 69 00-0074	SF		1/2" #20-F Plain Expanded Metal Panel, 0.40 LB/SF .....	7.82	2.87
			For Galvanized, Add	1.76	
			For Aluminum, Add	2.39	
			For 304 Stainless Steel, Add	9.58	
			For 316 Stainless Steel, Add	10.97	
05 59 69 00-0075	SF		1/2" #18-F Plain Expanded Metal Panel, 0.66 LB/SF .....	8.55	3.14
			For Galvanized, Add	1.92	
			For Aluminum, Add	2.62	
			For 304 Stainless Steel, Add	10.49	
			For 316 Stainless Steel, Add	12.02	
05 59 69 00-0076	SF		1/2" #16-F Plain Expanded Metal Panel, 0.82 LB/SF .....	9.63	3.72
			For Galvanized, Add	2.05	
			For Aluminum, Add	2.80	
			For 304 Stainless Steel, Add	11.21	
			For 316 Stainless Steel, Add	12.84	
05 59 69 00-0077	SF		1/2" #13-F Plain Expanded Metal Panel, 1.4 LB/SF .....	12.33	4.80
			For Galvanized, Add	2.61	
			For Aluminum, Add	3.56	
			For 304 Stainless Steel, Add	14.26	
			For 316 Stainless Steel, Add	16.34	
05 59 69 00-0078	SF		3/4" #16-F Plain Expanded Metal Panel, 0.51 LB/SF .....	6.75	2.82
			For Galvanized, Add	1.31	
			For Aluminum, Add	1.79	
			For 304 Stainless Steel, Add	7.15	
			For 316 Stainless Steel, Add	8.20	
05 59 69 00-0079	SF		3/4" #14-F Plain Expanded Metal Panel, 0.63 LB/SF .....	7.59	3.03
			For Galvanized, Add	1.56	
			For Aluminum, Add	2.13	
			For 304 Stainless Steel, Add	8.52	
			For 316 Stainless Steel, Add	9.76	
05 59 69 00-0080	SF		3/4" #13-F Plain Expanded Metal Panel, 0.75 LB/SF .....	8.69	3.40
			For Galvanized, Add	1.83	
			For Aluminum, Add	2.49	
			For 304 Stainless Steel, Add	9.96	
			For 316 Stainless Steel, Add	11.41	
05 59 69 00-0081	SF		3/4" #9-F Plain Expanded Metal Panel, 1.50 LB/SF .....	13.64	5.63
			For Galvanized, Add	2.70	
			For Aluminum, Add	3.68	
			For 304 Stainless Steel, Add	14.74	
			For 316 Stainless Steel, Add	16.89	
05 59 69 00-0082	SF		1" #16-F Plain Expanded Metal Panel, 0.41 LB/SF .....	7.50	3.45
			For Galvanized, Add	1.27	
			For Aluminum, Add	1.73	
			For 304 Stainless Steel, Add	6.94	
			For 316 Stainless Steel, Add	7.95	
05 59 69 00-0083	SF		1-1/2" #16-F Plain Expanded Metal Panel, 0.38 LB/SF .....	6.53	2.71
			For Galvanized, Add	1.28	
			For Aluminum, Add	1.75	
			For 304 Stainless Steel, Add	6.98	
			For 316 Stainless Steel, Add	8.00	
05 59 69 00-0084	SF		1-1/2" #13-F Plain Expanded Metal Panel, 0.57 LB/SF .....	7.52	3.20
			For Galvanized, Add	1.44	
			For Aluminum, Add	1.96	
			For 304 Stainless Steel, Add	7.85	
			For 316 Stainless Steel, Add	8.99	

**05 Metals****05 50 Metal Fabrications****05 59 Metal Specialties**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

05 59 69 00-0085	SF	1-1/2" #9-F Plain Expanded Metal Panel, 1.14 LB/SF .....	11.79	4.32
		<i>For Galvanized, Add</i>	2.65	
		<i>For Aluminum, Add</i>	3.62	
		<i>For 304 Stainless Steel, Add</i>	14.47	
		<i>For 316 Stainless Steel, Add</i>	16.58	

**05 70 Decorative Metal** (05)

Note: Includes anchors and related accessories.

**05 71 Decorative Metal Stairs** (05 70)**05 71 13 Fabricated Metal Spiral Stairs** (05 71)

Note: Includes factory prime.

**05 71 13 00-0001 Spiral Stairs, Stock Units** (05 71 13)

Note: Includes factory prime.

**05 71 13 00-0002 Steel Tread** (05 71 13 00-0001)

05 71 13 00-0003	VLF	3'-6" Diameter, Spiral Steel Stair With Rails.....	381.06	49.45
		<i>For Galvanized, Add</i>	197.50	
05 71 13 00-0004	VLF	4' Diameter, Spiral Steel Stair With Rails.....	433.60	54.40
		<i>For Galvanized, Add</i>	227.35	
05 71 13 00-0005	VLF	4'-6" Diameter, Spiral Steel Stair With Rails.....	479.58	59.35
		<i>For Galvanized, Add</i>	252.62	
05 71 13 00-0006	VLF	5' Diameter, Spiral Steel Stair With Rails.....	514.07	64.30
		<i>For Galvanized, Add</i>	269.84	

**05 73 Decorative Metal Railings** (05 70)

Note: Factory primed. Includes brackets.

**05 73 23 Decorative Metal Railings** (05 73)**05 73 23 00-0001 Railings; Vertical Square Bars At 6"** (05 73 23)

Note: Centers with shaped top rails (round, square, rectangular, diamond, triangular or other shape).

05 73 23 00-0002	LF	Steel Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High .....	69.92	10.88
		<i>For Rake Or Angle Railings, Add</i>	9.61	
		<i>For Curved Railings, Add</i>	18.83	
		<i>For 4" On Center Standards, Add</i>	1.96	
		<i>For 4-1/2" On Center Standards, Add</i>	1.56	
		<i>For 5" On Center Standards, Add</i>	1.04	
		<i>For 5-1/2" On Center Standards, Add</i>	0.52	
		<i>For Each Field Bending Of Rails, Add</i>	13.46	
		<i>For Galvanized, Add</i>	3.65	
05 73 23 00-0003	LF	Aluminum Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High.....	127.86	14.84
		<i>For Rake Or Angle Railings, Add</i>	15.31	
		<i>For Curved Railings, Add</i>	40.80	
		<i>For 4" On Center Standards, Add</i>	5.07	
		<i>For 4-1/2" On Center Standards, Add</i>	4.05	
		<i>For 5" On Center Standards, Add</i>	2.70	
		<i>For 5-1/2" On Center Standards, Add</i>	1.35	
		<i>For Each Field Bending Of Rails, Add</i>	17.57	
05 73 23 00-0004	LF	Bronze Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High .....	232.94	24.73
		<i>For Rake Or Angle Railings, Add</i>	25.30	
		<i>For Curved Railings, Add</i>	81.63	
		<i>For 4" On Center Standards, Add</i>	10.94	
		<i>For 4-1/2" On Center Standards, Add</i>	8.75	
		<i>For 5" On Center Standards, Add</i>	5.84	
		<i>For 5-1/2" On Center Standards, Add</i>	2.92	
		<i>For Each Field Bending Of Rails, Add</i>	24.26	
05 73 23 00-0005	LF	Stainless Steel Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High .....	227.59	19.78
		<i>For Rake Or Angle Railings, Add</i>	24.18	
		<i>For Curved Railings, Add</i>	81.26	
		<i>For 4" On Center Standards, Add</i>	11.04	
		<i>For 4-1/2" On Center Standards, Add</i>	8.84	
		<i>For 5" On Center Standards, Add</i>	5.89	
		<i>For 5-1/2" On Center Standards, Add</i>	2.95	
		<i>For Each Field Bending Of Rails, Add</i>	22.59	
05 73 23 00-0006	LF	Black Wrought Iron Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High .....	206.10	30.17
		<i>For Rake Or Angle Railings, Add</i>	20.48	
		<i>For Curved Railings, Add</i>	77.56	
		<i>For 4" On Center Standards, Add</i>	10.93	
		<i>For 4-1/2" On Center Standards, Add</i>	8.75	
		<i>For 5" On Center Standards, Add</i>	5.83	
		<i>For 5-1/2" On Center Standards, Add</i>	2.92	
		<i>For Each Field Bending Of Rails, Add</i>	17.59	
05 73 23 00-0007	LF	Laminated Metal Or Wood Handrails With Metal Supports <small>(05 73 23)</small> .....	141.60	4.95
05 73 23 00-0008	LF	2-1/2" Laminated Metal Or Wood Handrail Round/Oval Shape With Metal Supports .....	141.60	4.95
		<i>For Rake Or Angle Railings, Add</i>	11.35	
		<i>For Curved Railings, Add</i>	60.92	
		<i>For 4" On Center Standards, Add</i>	9.30	
		<i>For 4-1/2" On Center Standards, Add</i>	7.44	
		<i>For 5" On Center Standards, Add</i>	4.96	
		<i>For 5-1/2" On Center Standards, Add</i>	2.48	
		<i>For Each Field Bending Of Rails, Add</i>	6.90	

	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>05 73 23 00-0009</b>	<b>Plain Handrails</b> <small>(05 73 23)</small>			
05 73 23 00-0010	LF 2" Brass Handrail .....	51.47		10.52
05 73 23 00-0011	EA 90 Degree Angle For 2" Brass Handrail .....	108.59		39.02
05 73 23 00-0012	EA End Cap For 2" Brass Handrail .....	49.09		19.56
05 73 23 00-0013	EA Brass Bracket And Joint For 2" Brass Handrail .....	81.98		39.02
05 73 23 00-0014	LF 2" Stainless Steel Handrail .....	56.47		13.15

<b>05 73 23 00-0015</b>	<b>Restoration Of Existing Metal Handrail And Railing</b> <small>(05 73 23)</small>			
<small>Note: Task includes rust removal by grinding, cleaning, surface prep and one coat of protective primer. See CSI section 09 91 13 00-0380 for painting.</small>				
05 73 23 00-0016	LF Refinish Metal Handrail .....	10.06		
05 73 23 00-0017	LF Refinish Wrought Iron Balustrade .....	10.02		

<b>05 73 23 00-0018</b>	<b>Remove/Reinstall Ornamental Railing</b> <small>(05 73 23)</small>			
05 73 23 00-0019	LF Removal And Reinstallation Of Ornamental Handrail And Pickets .....	91.00		

**05 75 Decorative Formed Metal** (05 70)

<b>05 75 00 00-0001</b>	<b>Metal Sheets, Installed On Walls</b> <small>(05 75)</small>			
<small>Note: Includes field fabrication (bending) where noted. See CSI section 05 54 00 00-0000 for metal floor plates.</small>				

<b>05 75 00 00-0002</b>	<b>Copper Sheets, Installed On Walls</b> <small>(05 75 00 00-0001)</small>			
<small>Note: Includes field fabrication.</small>				
05 75 00 00-0003	SF 0.0162" (12 Ounce) Thick Copper Sheet, Installed On Walls .....	24.67		2.17
	<i>For &gt;16 To 200, Deduct</i>	-1.40		
	<i>For &gt;200 To 500, Deduct</i>	-2.79		
	<i>For &gt;500, Deduct</i>	-4.03		
05 75 00 00-0004	SF 0.0215" (16 Ounce) Thick Copper Sheet, Installed On Walls .....	30.78		2.42
	<i>For &gt;16 To 200, Deduct</i>	-1.72		
	<i>For &gt;200 To 500, Deduct</i>	-3.44		
	<i>For &gt;500, Deduct</i>	-4.98		
05 75 00 00-0005	SF 0.0242" (18 Ounce) Thick Copper Sheet, Installed On Walls .....	33.69		2.61
	<i>For &gt;16 To 200, Deduct</i>	-1.88		
	<i>For &gt;200 To 500, Deduct</i>	-3.76		
	<i>For &gt;500, Deduct</i>	-5.45		
05 75 00 00-0006	SF 0.027" (20 Ounce) Thick Copper Sheet, Installed On Walls .....	36.36		2.74
	<i>For &gt;16 To 200, Deduct</i>	-2.02		
	<i>For &gt;200 To 500, Deduct</i>	-4.05		
	<i>For &gt;500, Deduct</i>	-5.87		
05 75 00 00-0007	SF 0.0323" (24 Ounce) Thick Copper Sheet, Installed On Walls .....	41.45		2.86
	<i>For &gt;16 To 200, Deduct</i>	-2.29		
	<i>For &gt;200 To 500, Deduct</i>	-4.58		
	<i>For &gt;500, Deduct</i>	-6.65		
05 75 00 00-0008	SF 0.0431" (32 Ounce) Thick Copper Sheet, Installed On Walls .....	52.46		3.01
	<i>For &gt;16 To 200, Deduct</i>	-2.85		
	<i>For &gt;200 To 500, Deduct</i>	-5.70		
	<i>For &gt;500, Deduct</i>	-8.32		
05 75 00 00-0009	SF 0.052" (40 Ounce) Thick Copper Sheet, Installed On Walls .....	61.43		3.14
	<i>For &gt;16 To 200, Deduct</i>	-3.31		
	<i>For &gt;200 To 500, Deduct</i>	-6.61		
	<i>For &gt;500, Deduct</i>	-9.68		
05 75 00 00-0010	SF 0.0646" (48 Ounce) Thick Copper Sheet, Installed On Walls .....	74.34		3.39
	<i>For &gt;16 To 200, Deduct</i>	-3.97		
	<i>For &gt;200 To 500, Deduct</i>	-7.94		
	<i>For &gt;500, Deduct</i>	-11.66		
05 75 00 00-0011	SF 0.08" Thick Copper Sheet, Installed On Walls .....	91.29		3.65
	<i>For &gt;16 To 200, Deduct</i>	-4.84		
	<i>For &gt;200 To 500, Deduct</i>	-9.68		
	<i>For &gt;500, Deduct</i>	-14.24		
05 75 00 00-0012	SF 0.125" Thick Copper Sheet, Installed On Walls .....	133.91		3.92
	<i>For &gt;16 To 200, Deduct</i>	-6.99		
	<i>For &gt;200 To 500, Deduct</i>	-13.98		
	<i>For &gt;500, Deduct</i>	-20.67		

<b>05 75 00 00-0013</b>	<b>Stainless Steel Sheets, Installed On Walls</b> <small>(05 75 00 00-0001)</small>			
<small>Note: Includes field fabrication.</small>				
05 75 00 00-0014	SF 0.026" Thick (24 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls .....	14.58		2.20
	<i>For &gt;16 To 200, Deduct</i>	-0.89		
	<i>For &gt;200 To 500, Deduct</i>	-1.79		
	<i>For &gt;500, Deduct</i>	-2.52		
05 75 00 00-0015	SF 0.0312" Thick (22 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls .....	16.53		2.37
	<i>For &gt;16 To 200, Deduct</i>	-1.00		
	<i>For &gt;200 To 500, Deduct</i>	-2.01		
	<i>For &gt;500, Deduct</i>	-2.84		
05 75 00 00-0016	SF 0.0375" Thick (20 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls .....	18.02		2.49
	<i>For &gt;16 To 200, Deduct</i>	-1.09		
	<i>For &gt;200 To 500, Deduct</i>	-2.18		
	<i>For &gt;500, Deduct</i>	-3.08		
05 75 00 00-0017	SF 0.050" Thick (18 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls .....	21.23		2.60
	<i>For &gt;16 To 200, Deduct</i>	-1.26		
	<i>For &gt;200 To 500, Deduct</i>	-2.51		
	<i>For &gt;500, Deduct</i>	-3.58		

**05 Metals****05 70 Decorative Metal****05 75 Decorative Formed Metal**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 75 00 00-0018	SF	0.0625" Thick (16 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls.....	24.34	2.72
		<i>For &gt;16 To 200, Deduct</i>	-1.42	
		<i>For &gt;200 To 500, Deduct</i>	-2.84	
		<i>For &gt;500, Deduct</i>	-4.06	
05 75 00 00-0019	SF	0.078" Thick (14 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls.....	28.27	2.84
		<i>For &gt;16 To 200, Deduct</i>	-1.63	
		<i>For &gt;200 To 500, Deduct</i>	-3.25	
		<i>For &gt;500, Deduct</i>	-4.67	
05 75 00 00-0020	SF	0.125" Thick (11 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls.....	40.96	3.32
		<i>For &gt;16 To 200, Deduct</i>	-2.30	
		<i>For &gt;200 To 500, Deduct</i>	-4.59	
		<i>For &gt;500, Deduct</i>	-6.64	
05 75 00 00-0021	SF	3/16" Thick (7 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls.....	55.74	3.52
		<i>For &gt;16 To 200, Deduct</i>	-3.05	
		<i>For &gt;200 To 500, Deduct</i>	-6.10	
		<i>For &gt;500, Deduct</i>	-8.89	
05 75 00 00-0022	SF	1/4" Thick (3 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls.....	76.52	4.27
		<i>For &gt;16 To 200, Deduct</i>	-4.15	
		<i>For &gt;200 To 500, Deduct</i>	-8.29	
		<i>For &gt;500, Deduct</i>	-12.12	
05 75 00 00-0023	SF	3/8" Thick 304 Brushed Stainless Steel Sheet, Installed On Walls.....	128.85	4.58
		<i>For &gt;16 To 200, Deduct</i>	-6.79	
		<i>For &gt;200 To 500, Deduct</i>	-13.57	
		<i>For &gt;500, Deduct</i>	-20.01	
05 75 00 00-0024	SF	1/2" Thick 304 Brushed Stainless Steel Sheet, Installed On Walls.....	165.06	5.33
		<i>For &gt;16 To 200, Deduct</i>	-8.65	
		<i>For &gt;200 To 500, Deduct</i>	-17.31	
		<i>For &gt;500, Deduct</i>	-25.56	

**05 75 00 00-0025 Aluminum Sheets, Installed On Walls (05 75 00 00-0001)**

Note: Includes field fabrication.

05 75 00 00-0026	SF	0.016" Thick (26 Gauge) Aluminum Sheet, Installed On Walls.....	9.48	2.17
		<i>For &gt;16 To 200, Deduct</i>	-0.64	
		<i>For &gt;200 To 500, Deduct</i>	-1.27	
		<i>For &gt;500, Deduct</i>	-1.75	
05 75 00 00-0027	SF	0.020" Thick (24 Gauge) Aluminum Sheet, Installed On Walls.....	10.74	2.42
		<i>For &gt;16 To 200, Deduct</i>	-0.72	
		<i>For &gt;200 To 500, Deduct</i>	-1.44	
		<i>For &gt;500, Deduct</i>	-1.97	
05 75 00 00-0028	SF	0.025" Thick (22 Gauge) Aluminum Sheet, Installed On Walls.....	11.92	2.61
		<i>For &gt;16 To 200, Deduct</i>	-0.79	
		<i>For &gt;200 To 500, Deduct</i>	-1.58	
		<i>For &gt;500, Deduct</i>	-2.18	
05 75 00 00-0029	SF	0.032" Thick (20 Gauge) Aluminum Sheet, Installed On Walls.....	13.11	2.74
		<i>For &gt;16 To 200, Deduct</i>	-0.86	
		<i>For &gt;200 To 500, Deduct</i>	-1.72	
		<i>For &gt;500, Deduct</i>	-2.38	
05 75 00 00-0030	SF	0.040" Thick (18 Gauge) Aluminum Sheet, Installed On Walls.....	14.30	2.86
		<i>For &gt;16 To 200, Deduct</i>	-0.93	
		<i>For &gt;200 To 500, Deduct</i>	-1.86	
		<i>For &gt;500, Deduct</i>	-2.58	
05 75 00 00-0031	SF	0.050" Thick (16 Gauge) Aluminum Sheet, Installed On Walls.....	15.61	3.01
		<i>For &gt;16 To 200, Deduct</i>	-1.01	
		<i>For &gt;200 To 500, Deduct</i>	-2.01	
		<i>For &gt;500, Deduct</i>	-2.79	
05 75 00 00-0032	SF	0.064" Thick (14 Gauge) Aluminum Sheet, Installed On Walls.....	17.17	3.14
		<i>For &gt;16 To 200, Deduct</i>	-1.09	
		<i>For &gt;200 To 500, Deduct</i>	-2.19	
		<i>For &gt;500, Deduct</i>	-3.05	
05 75 00 00-0033	SF	0.090" Thick (11 Gauge) Aluminum Sheet, Installed On Walls.....	20.39	3.65
		<i>For &gt;16 To 200, Deduct</i>	-1.29	
		<i>For &gt;200 To 500, Deduct</i>	-2.59	
		<i>For &gt;500, Deduct</i>	-3.61	

**05 75 00 00-0034 Galvanized Steel Sheets, Installed On Walls (05 75 00 00-0001)**

Note: Includes field fabrication.

05 75 00 00-0035	SF	0.0217" (26 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	9.70	2.17
		<i>For &gt;16 To 200, Deduct</i>	-0.65	
		<i>For &gt;200 To 500, Deduct</i>	-1.30	
		<i>For &gt;500, Deduct</i>	-1.78	
05 75 00 00-0036	SF	0.0276" (24 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	10.75	2.42
		<i>For &gt;16 To 200, Deduct</i>	-0.72	
		<i>For &gt;200 To 500, Deduct</i>	-1.44	
		<i>For &gt;500, Deduct</i>	-1.98	
05 75 00 00-0037	SF	0.0336" (22 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	11.41	2.61
		<i>For &gt;16 To 200, Deduct</i>	-0.77	
		<i>For &gt;200 To 500, Deduct</i>	-1.53	
		<i>For &gt;500, Deduct</i>	-2.10	
05 75 00 00-0038	SF	0.0396" (20 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	12.12	2.74
		<i>For &gt;16 To 200, Deduct</i>	-0.81	
		<i>For &gt;200 To 500, Deduct</i>	-1.62	
		<i>For &gt;500, Deduct</i>	-2.23	
05 75 00 00-0039	SF	0.0516" (18 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	13.09	2.86
		<i>For &gt;16 To 200, Deduct</i>	-0.87	
		<i>For &gt;200 To 500, Deduct</i>	-1.74	
		<i>For &gt;500, Deduct</i>	-2.39	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	05 75 00 00-0040	SF		0.0635" (16 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	14.14	3.01
				<i>For &gt;16 To 200, Deduct</i>	-0.93	
				<i>For &gt;200 To 500, Deduct</i>	-1.87	
				<i>For &gt;500, Deduct</i>	-2.57	
	05 75 00 00-0041	SF		0.0785" (14 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	15.83	3.14
				<i>For &gt;16 To 200, Deduct</i>	-1.03	
				<i>For &gt;200 To 500, Deduct</i>	-2.05	
				<i>For &gt;500, Deduct</i>	-2.84	
	05 75 00 00-0042	SF		0.1084" (12 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	18.24	3.39
				<i>For &gt;16 To 200, Deduct</i>	-1.17	
				<i>For &gt;200 To 500, Deduct</i>	-2.33	
				<i>For &gt;500, Deduct</i>	-3.25	
	05 75 00 00-0043	SF		0.1382" (10 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	21.03	3.92
				<i>For &gt;16 To 200, Deduct</i>	-1.35	
				<i>For &gt;200 To 500, Deduct</i>	-2.69	
				<i>For &gt;500, Deduct</i>	-3.74	
	<b>05 75 00 00-0044</b>			<b>Galvanized Zinc-Plated Steel Sheets, Installed On Walls</b> <small>(05 75 00 00-0001)</small>		
				Note: Includes field fabrication.		
	05 75 00 00-0045	SF		0.013" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls.....	11.31	2.06
				<i>For &gt;16 To 200, Deduct</i>	-0.77	
				<i>For &gt;200 To 500, Deduct</i>	-1.54	
				<i>For &gt;500, Deduct</i>	-2.11	
	05 75 00 00-0046	SF		0.016" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls.....	13.04	2.33
				<i>For &gt;16 To 200, Deduct</i>	-0.89	
				<i>For &gt;200 To 500, Deduct</i>	-1.77	
				<i>For &gt;500, Deduct</i>	-2.42	
	05 75 00 00-0047	SF		0.019" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls.....	14.73	2.59
				<i>For &gt;16 To 200, Deduct</i>	-1.00	
				<i>For &gt;200 To 500, Deduct</i>	-1.99	
				<i>For &gt;500, Deduct</i>	-2.73	
	05 75 00 00-0048	SF		0.024" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls.....	16.22	2.80
				<i>For &gt;16 To 200, Deduct</i>	-1.09	
				<i>For &gt;200 To 500, Deduct</i>	-2.18	
				<i>For &gt;500, Deduct</i>	-2.99	

**END OF SECTION 05**

**05 Metals**

05 70 Decorative Metal

05 75 Decorative Formed Metal

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

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MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 06 Wood, Plastics, and Composites

### 06 01 Maintenance of Wood, Plastics, and Composites <sup>(06)</sup>

#### 06 01 20 Maintenance of Finish Carpentry <sup>(06 01)</sup>

##### **06 01 20 91 Finish Carpentry Restoration** <sup>(06 01 20)</sup>

##### 06 01 20 91-0001 Wood Trim Repair <sup>(06 01 20 91)</sup>

06 01 20 91-0002	SF	Restoration Of Existing Decorative Woodwork.....	8.40
Note: Includes stripping to bare wood, filling or patching, stain or paint to match existing.			

#### 06 01 40 Maintenance of Architectural Woodwork <sup>(06 01)</sup>

##### **06 01 40 91 Architectural Woodwork Restoration** <sup>(06 01 40)</sup>

##### 06 01 40 91-0001 Cabinet Hardware Replacement <sup>(06 01 40 91)</sup>

06 01 40 91-0002	EA	Removal And Replacement Of Concealed, Full Or Half Overlay, Self Closing, Steel Cabinet Hinges.....	41.17
06 01 40 91-0003	EA	Removal And Replacement Of Semi Concealed, Brass Cabinet Hinges.....	38.60

### 06 05 Common Work Results for Wood, Plastics, and Composites <sup>(06)</sup>

#### 06 05 23 Wood, Plastic, and Composite Fastenings <sup>(06 05)</sup>

Note: For additional fasteners above normal conditions, for replacing existing fasteners, for relocating existing materials or fixtures, or for different fasteners required due to load limits on standard fasteners.

##### 06 05 23 00-0001 Threaded Anchor Bolts <sup>(06 05 23)</sup>

Note: Threaded on two ends with two nuts and flat washers.

06 05 23 00-0002	EA	1/2" Diameter x 4" Long, Threaded Anchor Bolt.....	12.57
		<i>For &gt;10 To 50, Deduct</i>	-0.40
		<i>For &gt;50 To 100, Deduct</i>	-0.91
		<i>For &gt;100 To 250, Deduct</i>	-1.82
		<i>For &gt;250 To 500, Deduct</i>	-3.12
		<i>For &gt;500, Deduct</i>	-4.43
06 05 23 00-0003	EA	1/2" Diameter x 7-1/2" Long, Threaded Anchor Bolt.....	16.47
		<i>For &gt;10 To 50, Deduct</i>	-0.43
		<i>For &gt;50 To 100, Deduct</i>	-1.05
		<i>For &gt;100 To 250, Deduct</i>	-2.10
		<i>For &gt;250 To 500, Deduct</i>	-3.58
		<i>For &gt;500, Deduct</i>	-5.06
06 05 23 00-0004	EA	3/4" Diameter x 7-1/2" Long, Threaded Anchor Bolt.....	18.17
		<i>For &gt;10 To 50, Deduct</i>	-0.43
		<i>For &gt;50 To 100, Deduct</i>	-1.09
		<i>For &gt;100 To 250, Deduct</i>	-2.19
		<i>For &gt;250 To 500, Deduct</i>	-3.71
		<i>For &gt;500, Deduct</i>	-5.23
06 05 23 00-0005	EA	3/4" Diameter x 12" Long, Threaded Anchor Bolt.....	35.11
		<i>For &gt;10 To 50, Deduct</i>	-0.58
		<i>For &gt;50 To 100, Deduct</i>	-1.75
		<i>For &gt;100 To 250, Deduct</i>	-3.51
		<i>For &gt;250 To 500, Deduct</i>	-5.85
		<i>For &gt;500, Deduct</i>	-8.19

##### 06 05 23 00-0006 Framing Anchors <sup>(06 05 23)</sup>

Note: Including nails.

06 05 23 00-0007	EA	1-7/16" x 2-1/2" Galvanized Framing Angle Anchor (Simpson A34).....	7.02	
		<i>For &gt;10 To 50, Deduct</i>	-0.32	
		<i>For &gt;50 To 100, Deduct</i>	-0.65	
		<i>For &gt;100 To 250, Deduct</i>	-1.30	
		<i>For &gt;250 To 500, Deduct</i>	-2.27	
		<i>For &gt;500, Deduct</i>	-3.24	

3.33

##### 06 05 23 00-0008 Hold Down Anchors <sup>(06 05 23)</sup>

Note: Including nails.

06 05 23 00-0009	EA	8-5/8" High x 2-1/2" Wide x 2-1/4" Deep, 12 Gauge, Hold Downs (Simpson Strong Tie® HD3B).....	48.45
		<i>For &gt;10 To 50, Deduct</i>	-1.72
		<i>For &gt;50 To 100, Deduct</i>	-3.79
		<i>For &gt;100 To 250, Deduct</i>	-7.58
		<i>For &gt;250 To 500, Deduct</i>	-13.10
		<i>For &gt;500, Deduct</i>	-18.61
06 05 23 00-0010	EA	9-3/8" High x 2-1/2" Wide x 2-1/2" Deep, 10 Gauge, Hold Downs (Simpson Strong Tie® HD5B).....	69.30
		<i>For &gt;10 To 50, Deduct</i>	-1.72
		<i>For &gt;50 To 100, Deduct</i>	-4.31
		<i>For &gt;100 To 250, Deduct</i>	-8.63
		<i>For &gt;250 To 500, Deduct</i>	-14.66
		<i>For &gt;500, Deduct</i>	-20.69
06 05 23 00-0011	EA	12-3/8" High x 2-1/2" Wide x 2-1/2" Deep, 10 Gauge, Hold Downs (Simpson Strong Tie® HD7B).....	78.75
		<i>For &gt;10 To 50, Deduct</i>	-1.89
		<i>For &gt;50 To 100, Deduct</i>	-4.80
		<i>For &gt;100 To 250, Deduct</i>	-9.60
		<i>For &gt;250 To 500, Deduct</i>	-16.28
		<i>For &gt;500, Deduct</i>	-22.97

**06 Wood, Plastics, and Composites****06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

06 05 23 00-0012	EA	14" High x 2-1/2" Wide x 2-1/2" Deep, 7 Gauge, Hold Downs (Simpson Strong Tie® HD9B)	96.71	
		<i>For &gt;10 To 50, Deduct</i>	-2.11	
		<i>For &gt;50 To 100, Deduct</i>	-5.58	
		<i>For &gt;100 To 250, Deduct</i>	-11.16	
		<i>For &gt;250 To 500, Deduct</i>	-18.85	
		<i>For &gt;500, Deduct</i>	-26.54	
06 05 23 00-0013	EA	20-5/16" High x 3-1/2" Wide x 4-1/2" Deep, 3 Gauge, Hold Downs (Simpson Strong Tie® HD12)	195.11	
		<i>For &gt;10 To 50, Deduct</i>	-2.66	
		<i>For &gt;50 To 100, Deduct</i>	-8.87	
		<i>For &gt;100 To 250, Deduct</i>	-17.75	
		<i>For &gt;250 To 500, Deduct</i>	-29.29	
		<i>For &gt;500, Deduct</i>	-40.82	
06 05 23 00-0014	EA	24-1/2" High x 3-1/2" Wide x 4-1/2" Deep, 3 Gauge, Hold Downs (Simpson Strong Tie® HD19)	225.18	
		<i>For &gt;10 To 50, Deduct</i>	-2.78	
		<i>For &gt;50 To 100, Deduct</i>	-9.79	
		<i>For &gt;100 To 250, Deduct</i>	-19.58	
		<i>For &gt;250 To 500, Deduct</i>	-32.15	
		<i>For &gt;500, Deduct</i>	-44.72	
<b>06 05 23 00-0015</b>		<b>Joist And Beam Hangers</b> <small>(06 05 23)</small>		
		Note: Including nails.		
06 05 23 00-0016	EA	18 Gauge Joist Hanger, For 2" x 4" Joist, Also Acceptable For Beam Hangers	7.04	3.11
		<i>For &gt;10 To 50, Deduct</i>	-0.32	
		<i>For &gt;50 To 100, Deduct</i>	-0.65	
		<i>For &gt;100 To 250, Deduct</i>	-1.30	
		<i>For &gt;250 To 500, Deduct</i>	-2.27	
		<i>For &gt;500, Deduct</i>	-3.24	
06 05 23 00-0017	EA	18 Gauge Joist Hanger, For 2" x 6"-2" x 10" Joist, Also Acceptable For Beam Hangers	8.01	3.11
		<i>For &gt;10 To 50, Deduct</i>	-0.34	
		<i>For &gt;50 To 100, Deduct</i>	-0.70	
		<i>For &gt;100 To 250, Deduct</i>	-1.41	
		<i>For &gt;250 To 500, Deduct</i>	-2.45	
		<i>For &gt;500, Deduct</i>	-3.49	
06 05 23 00-0018	EA	16 Gauge Joist Hanger, For 3" x 6"-3" x 9" Joist, Also Acceptable For Beam Hangers	10.07	3.11
		<i>For &gt;10 To 50, Deduct</i>	-0.35	
		<i>For &gt;50 To 100, Deduct</i>	-0.77	
		<i>For &gt;100 To 250, Deduct</i>	-1.54	
		<i>For &gt;250 To 500, Deduct</i>	-2.66	
		<i>For &gt;500, Deduct</i>	-3.78	
06 05 23 00-0019	EA	16 Gauge Joist Hanger, For 3" x 10"-3" x 14" Joist, Also Acceptable For Beam Hangers	10.27	3.11
		<i>For &gt;10 To 50, Deduct</i>	-0.35	
		<i>For &gt;50 To 100, Deduct</i>	-0.78	
		<i>For &gt;100 To 250, Deduct</i>	-1.55	
		<i>For &gt;250 To 500, Deduct</i>	-2.68	
		<i>For &gt;500, Deduct</i>	-3.80	
06 05 23 00-0020	EA	14 Gauge Joist Hanger, For 4" x 6"-4" x 8" Joist, Also Acceptable For Beam Hangers	10.37	3.22
		<i>For &gt;10 To 50, Deduct</i>	-0.36	
		<i>For &gt;50 To 100, Deduct</i>	-0.80	
		<i>For &gt;100 To 250, Deduct</i>	-1.59	
		<i>For &gt;250 To 500, Deduct</i>	-2.75	
		<i>For &gt;500, Deduct</i>	-3.90	
06 05 23 00-0021	EA	14 Gauge Joist Hanger, For 4" x 10"-4" x 14" Joist, Also Acceptable For Beam Hangers	10.91	3.22
		<i>For &gt;10 To 50, Deduct</i>	-0.36	
		<i>For &gt;50 To 100, Deduct</i>	-0.81	
		<i>For &gt;100 To 250, Deduct</i>	-1.62	
		<i>For &gt;250 To 500, Deduct</i>	-2.79	
		<i>For &gt;500, Deduct</i>	-3.96	
<b>06 05 23 00-0022</b>		<b>Anchor And Ties</b> <small>(06 05 23)</small>		
		Note: Including nails.		
06 05 23 00-0023	EA	Pre-Deflected Hold Down With SDS Screws (Simpson Strong Tie® PHD5-SDS)	49.33	
06 05 23 00-0024	EA	12-3/8" Heavy Tension Tie (Simpson Strong Tie® HTT4)	31.84	
06 05 23 00-0025	EA	16" Heavy Tension Tie (Simpson Strong Tie® HTT5)	46.49	
06 05 23 00-0026	EA	2" x 4" Or 2" x 6" Mudsill Anchor 16 Gauge Zinc Galvanized Finish (Simpson Strong Tie® MAS)	4.27	
<b>06 05 23 00-0027</b>		<b>Hurricane Clips</b> <small>(06 05 23)</small>		
06 05 23 00-0028	EA	18 Gauge Zinc Galvanized Finish Hurricane Clips (Simpson Strong Tie® H2.5A)	3.11	
06 05 23 00-0029	EA	18 Gauge Stainless Steel Hurricane Clips (Simpson Strong Tie® H2.5SS)	7.90	
06 05 23 00-0030	EA	Hurricane Strap (Simpson Strong Tie® H6)	12.50	
<b>06 05 23 00-0031</b>		<b>Post Framing</b> <small>(06 05 23)</small>		
		Note: Including nails.		
06 05 23 00-0032	EA	16 Gauge Post Framing With 4" x 4" Base	13.66	3.89
		<i>For &gt;10 To 50, Deduct</i>	-0.43	
		<i>For &gt;50 To 100, Deduct</i>	-0.98	
		<i>For &gt;100 To 250, Deduct</i>	-1.96	
		<i>For &gt;250 To 500, Deduct</i>	-3.37	
		<i>For &gt;500, Deduct</i>	-4.78	
06 05 23 00-0033	EA	16 Gauge Post Framing With 4" x 4" Cap	11.63	3.89
		<i>For &gt;10 To 50, Deduct</i>	-0.43	
		<i>For &gt;50 To 100, Deduct</i>	-0.93	
		<i>For &gt;100 To 250, Deduct</i>	-1.86	
		<i>For &gt;250 To 500, Deduct</i>	-3.22	
		<i>For &gt;500, Deduct</i>	-4.58	

	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>06 05 23 00-0034</b>	<b>Rafter Anchors</b> <small>(06 05 23)</small>			
06 05 23 00-0035	EA 1-1/2" Wide x 5-1/4" Long, 18 Gauge Rafter Anchor .....	8.02	3.44	
	For >10 To 50, Deduct	-0.38		
	For >50 To 100, Deduct	-0.77		
	For >100 To 250, Deduct	-1.55		
	For >250 To 500, Deduct	-2.71		
	For >500, Deduct	-3.86		
06 05 23 00-0036	EA 1-1/2" Wide x 10-3/4" Long, 18 Gauge Rafter Anchor .....	8.23	3.44	
	For >10 To 50, Deduct	-0.38		
	For >50 To 100, Deduct	-0.78		
	For >100 To 250, Deduct	-1.56		
	For >250 To 500, Deduct	-2.72		
	For >500, Deduct	-3.88		
06 05 23 00-0037	EA Galvanized Rigid Rafter Connector, For 2" x 6" .....	10.41	3.44	
	For >10 To 50, Deduct	-0.38		
	For >50 To 100, Deduct	-0.83		
	For >100 To 250, Deduct	-1.67		
	For >250 To 500, Deduct	-2.88		
	For >500, Deduct	-4.10		

**06 05 23 00-0038 Bolts And Fasteners** (06 05 23)
**06 05 23 00-0039 Carriage Bolts** (06 05 23 00-0038)  
 Note: Includes drilling of holes in any material. Includes nut and washer.

<b>06 05 23 00-0040</b>	<b>Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolts</b> <small>(06 05 23 00-0039)</small>			
06 05 23 00-0041	EA 1/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	14.84		
	For >10 To 50, Deduct	-0.72		
	For >50 To 100, Deduct	-1.45		
	For >100 To 250, Deduct	-2.91		
	For >250 To 500, Deduct	-5.08		
	For >500, Deduct	-7.26		
06 05 23 00-0042	EA 1/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	15.02		
	For >10 To 50, Deduct	-0.72		
	For >50 To 100, Deduct	-1.46		
	For >100 To 250, Deduct	-2.92		
	For >250 To 500, Deduct	-5.09		
	For >500, Deduct	-7.27		
06 05 23 00-0043	EA 1/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	15.13		
	For >10 To 50, Deduct	-0.72		
	For >50 To 100, Deduct	-1.46		
	For >100 To 250, Deduct	-2.92		
	For >250 To 500, Deduct	-5.10		
	For >500, Deduct	-7.29		
06 05 23 00-0044	EA 1/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	17.68		
	For >10 To 50, Deduct	-0.83		
	For >50 To 100, Deduct	-1.69		
	For >100 To 250, Deduct	-3.38		
	For >250 To 500, Deduct	-5.90		
	For >500, Deduct	-8.43		
06 05 23 00-0045	EA 3/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	16.43		
	For >10 To 50, Deduct	-0.78		
	For >50 To 100, Deduct	-1.58		
	For >100 To 250, Deduct	-3.15		
	For >250 To 500, Deduct	-5.51		
	For >500, Deduct	-7.86		
06 05 23 00-0046	EA 3/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	17.83		
	For >10 To 50, Deduct	-0.83		
	For >50 To 100, Deduct	-1.69		
	For >100 To 250, Deduct	-3.39		
	For >250 To 500, Deduct	-5.92		
	For >500, Deduct	-8.44		
06 05 23 00-0047	EA 3/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	18.12		
	For >10 To 50, Deduct	-0.83		
	For >50 To 100, Deduct	-1.70		
	For >100 To 250, Deduct	-3.40		
	For >250 To 500, Deduct	-5.94		
	For >500, Deduct	-8.47		
06 05 23 00-0048	EA 3/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	21.66		
	For >10 To 50, Deduct	-1.00		
	For >50 To 100, Deduct	-2.04		
	For >100 To 250, Deduct	-4.08		
	For >250 To 500, Deduct	-7.12		
	For >500, Deduct	-10.16		
06 05 23 00-0049	EA 3/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	23.64		
	For >10 To 50, Deduct	-1.05		
	For >50 To 100, Deduct	-2.17		
	For >100 To 250, Deduct	-4.35		
	For >250 To 500, Deduct	-7.57		
	For >500, Deduct	-10.80		
06 05 23 00-0050	EA 3/8" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	26.72		
	For >10 To 50, Deduct	-1.17		
	For >50 To 100, Deduct	-2.42		
	For >100 To 250, Deduct	-4.83		
	For >250 To 500, Deduct	-8.41		
	For >500, Deduct	-12.00		

**06 Wood, Plastics, and Composites****06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

06 05 23 00-0051	EA	1/2" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	18.45	
		<i>For &gt;10 To 50, Deduct</i>	-0.83	
		<i>For &gt;50 To 100, Deduct</i>	-1.71	
		<i>For &gt;100 To 250, Deduct</i>	-3.42	
		<i>For &gt;250 To 500, Deduct</i>	-5.96	
		<i>For &gt;500, Deduct</i>	-8.51	
06 05 23 00-0052	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	20.31	
		<i>For &gt;10 To 50, Deduct</i>	-0.89	
		<i>For &gt;50 To 100, Deduct</i>	-1.84	
		<i>For &gt;100 To 250, Deduct</i>	-3.68	
		<i>For &gt;250 To 500, Deduct</i>	-6.41	
		<i>For &gt;500, Deduct</i>	-9.14	
06 05 23 00-0053	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	21.66	
		<i>For &gt;10 To 50, Deduct</i>	-0.94	
		<i>For &gt;50 To 100, Deduct</i>	-1.96	
		<i>For &gt;100 To 250, Deduct</i>	-3.91	
		<i>For &gt;250 To 500, Deduct</i>	-6.81	
		<i>For &gt;500, Deduct</i>	-9.71	
06 05 23 00-0054	EA	1/2" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	24.29	
		<i>For &gt;10 To 50, Deduct</i>	-1.05	
		<i>For &gt;50 To 100, Deduct</i>	-2.19	
		<i>For &gt;100 To 250, Deduct</i>	-4.38	
		<i>For &gt;250 To 500, Deduct</i>	-7.62	
		<i>For &gt;500, Deduct</i>	-10.87	
06 05 23 00-0055	EA	1/2" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	28.62	
		<i>For &gt;10 To 50, Deduct</i>	-1.22	
		<i>For &gt;50 To 100, Deduct</i>	-2.55	
		<i>For &gt;100 To 250, Deduct</i>	-5.09	
		<i>For &gt;250 To 500, Deduct</i>	-8.86	
		<i>For &gt;500, Deduct</i>	-12.63	
06 05 23 00-0056	EA	1/2" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	32.19	
		<i>For &gt;10 To 50, Deduct</i>	-1.33	
		<i>For &gt;50 To 100, Deduct</i>	-2.80	
		<i>For &gt;100 To 250, Deduct</i>	-5.61	
		<i>For &gt;250 To 500, Deduct</i>	-9.74	
		<i>For &gt;500, Deduct</i>	-13.88	
06 05 23 00-0057	EA	3/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	25.70	
		<i>For &gt;10 To 50, Deduct</i>	-1.00	
		<i>For &gt;50 To 100, Deduct</i>	-2.14	
		<i>For &gt;100 To 250, Deduct</i>	-4.28	
		<i>For &gt;250 To 500, Deduct</i>	-7.42	
		<i>For &gt;500, Deduct</i>	-10.56	
06 05 23 00-0058	EA	3/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	27.97	
		<i>For &gt;10 To 50, Deduct</i>	-1.05	
		<i>For &gt;50 To 100, Deduct</i>	-2.28	
		<i>For &gt;100 To 250, Deduct</i>	-4.56	
		<i>For &gt;250 To 500, Deduct</i>	-7.90	
		<i>For &gt;500, Deduct</i>	-11.23	
06 05 23 00-0059	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	33.67	
		<i>For &gt;10 To 50, Deduct</i>	-1.22	
		<i>For &gt;50 To 100, Deduct</i>	-2.67	
		<i>For &gt;100 To 250, Deduct</i>	-5.35	
		<i>For &gt;250 To 500, Deduct</i>	-9.24	
		<i>For &gt;500, Deduct</i>	-13.14	
06 05 23 00-0060	EA	3/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	38.20	
		<i>For &gt;10 To 50, Deduct</i>	-1.28	
		<i>For &gt;50 To 100, Deduct</i>	-2.87	
		<i>For &gt;100 To 250, Deduct</i>	-5.74	
		<i>For &gt;250 To 500, Deduct</i>	-9.89	
		<i>For &gt;500, Deduct</i>	-14.03	
06 05 23 00-0061	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	41.48	
		<i>For &gt;10 To 50, Deduct</i>	-1.39	
		<i>For &gt;50 To 100, Deduct</i>	-3.12	
		<i>For &gt;100 To 250, Deduct</i>	-6.24	
		<i>For &gt;250 To 500, Deduct</i>	-10.74	
		<i>For &gt;500, Deduct</i>	-15.25	
06 05 23 00-0062	EA	3/4" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	42.19	
		<i>For &gt;10 To 50, Deduct</i>	-1.44	
		<i>For &gt;50 To 100, Deduct</i>	-3.22	
		<i>For &gt;100 To 250, Deduct</i>	-6.44	
		<i>For &gt;250 To 500, Deduct</i>	-11.10	
		<i>For &gt;500, Deduct</i>	-15.76	

**06 05 23 00-0063 Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolts (06 05 23 00-0039)**

06 05 23 00-0064	EA	1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	15.16	
		<i>For &gt;10 To 50, Deduct</i>	-0.72	
		<i>For &gt;50 To 100, Deduct</i>	-1.46	
		<i>For &gt;100 To 250, Deduct</i>	-2.92	
		<i>For &gt;250 To 500, Deduct</i>	-5.11	
		<i>For &gt;500, Deduct</i>	-7.29	
06 05 23 00-0065	EA	1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	15.50	
		<i>For &gt;10 To 50, Deduct</i>	-0.72	
		<i>For &gt;50 To 100, Deduct</i>	-1.47	
		<i>For &gt;100 To 250, Deduct</i>	-2.94	
		<i>For &gt;250 To 500, Deduct</i>	-5.13	
		<i>For &gt;500, Deduct</i>	-7.32	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0066 EA 1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	15.87	
For >10 To 50, Deduct	-0.72	
For >50 To 100, Deduct	-1.48	
For >100 To 250, Deduct	-2.96	
For >250 To 500, Deduct	-5.16	
For >500, Deduct	-7.36	
06 05 23 00-0067 EA 1/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	18.93	
For >10 To 50, Deduct	-0.83	
For >50 To 100, Deduct	-1.72	
For >100 To 250, Deduct	-3.44	
For >250 To 500, Deduct	-6.00	
For >500, Deduct	-8.55	
06 05 23 00-0068 EA 3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	16.88	
For >10 To 50, Deduct	-0.78	
For >50 To 100, Deduct	-1.59	
For >100 To 250, Deduct	-3.18	
For >250 To 500, Deduct	-5.54	
For >500, Deduct	-7.90	
06 05 23 00-0069 EA 3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	18.54	
For >10 To 50, Deduct	-0.83	
For >50 To 100, Deduct	-1.71	
For >100 To 250, Deduct	-3.42	
For >250 To 500, Deduct	-5.97	
For >500, Deduct	-8.51	
06 05 23 00-0070 EA 3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	18.95	
For >10 To 50, Deduct	-0.83	
For >50 To 100, Deduct	-1.72	
For >100 To 250, Deduct	-3.45	
For >250 To 500, Deduct	-6.00	
For >500, Deduct	-8.56	
06 05 23 00-0071 EA 3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	22.92	
For >10 To 50, Deduct	-1.00	
For >50 To 100, Deduct	-2.07	
For >100 To 250, Deduct	-4.14	
For >250 To 500, Deduct	-7.21	
For >500, Deduct	-10.28	
06 05 23 00-0072 EA 3/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	25.04	
For >10 To 50, Deduct	-1.05	
For >50 To 100, Deduct	-2.21	
For >100 To 250, Deduct	-4.42	
For >250 To 500, Deduct	-7.68	
For >500, Deduct	-10.94	
06 05 23 00-0073 EA 3/8" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	28.03	
For >10 To 50, Deduct	-1.17	
For >50 To 100, Deduct	-2.45	
For >100 To 250, Deduct	-4.90	
For >250 To 500, Deduct	-8.51	
For >500, Deduct	-12.13	
06 05 23 00-0074 EA 1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	19.50	
For >10 To 50, Deduct	-0.83	
For >50 To 100, Deduct	-1.74	
For >100 To 250, Deduct	-3.47	
For >250 To 500, Deduct	-6.04	
For >500, Deduct	-8.61	
06 05 23 00-0075 EA 1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	21.13	
For >10 To 50, Deduct	-0.89	
For >50 To 100, Deduct	-1.86	
For >100 To 250, Deduct	-3.72	
For >250 To 500, Deduct	-6.47	
For >500, Deduct	-9.22	
06 05 23 00-0076 EA 1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	22.64	
For >10 To 50, Deduct	-0.94	
For >50 To 100, Deduct	-1.98	
For >100 To 250, Deduct	-3.96	
For >250 To 500, Deduct	-6.89	
For >500, Deduct	-9.81	
06 05 23 00-0077 EA 1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	25.71	
For >10 To 50, Deduct	-1.05	
For >50 To 100, Deduct	-2.22	
For >100 To 250, Deduct	-4.45	
For >250 To 500, Deduct	-7.73	
For >500, Deduct	-11.01	
06 05 23 00-0078 EA 1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	30.01	
For >10 To 50, Deduct	-1.22	
For >50 To 100, Deduct	-2.58	
For >100 To 250, Deduct	-5.16	
For >250 To 500, Deduct	-8.97	
For >500, Deduct	-12.77	
06 05 23 00-0079 EA 1/2" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	33.26	
For >10 To 50, Deduct	-1.33	
For >50 To 100, Deduct	-2.83	
For >100 To 250, Deduct	-5.66	
For >250 To 500, Deduct	-9.82	
For >500, Deduct	-13.98	
06 05 23 00-0080 EA 3/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	28.87	
For >10 To 50, Deduct	-1.00	
For >50 To 100, Deduct	-2.22	
For >100 To 250, Deduct	-4.44	
For >250 To 500, Deduct	-7.66	
For >500, Deduct	-10.88	

**06 Wood, Plastics, and Composites****06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

06 05 23 00-0081	EA	3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	30.18	
		<i>For &gt;10 To 50, Deduct</i>	-1.05	
		<i>For &gt;50 To 100, Deduct</i>	-2.34	
		<i>For &gt;100 To 250, Deduct</i>	-4.67	
		<i>For &gt;250 To 500, Deduct</i>	-8.06	
		<i>For &gt;500, Deduct</i>	-11.45	
06 05 23 00-0082	EA	3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	35.24	
		<i>For &gt;10 To 50, Deduct</i>	-1.22	
		<i>For &gt;50 To 100, Deduct</i>	-2.71	
		<i>For &gt;100 To 250, Deduct</i>	-5.43	
		<i>For &gt;250 To 500, Deduct</i>	-9.36	
		<i>For &gt;500, Deduct</i>	-13.29	
06 05 23 00-0083	EA	3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	38.08	
		<i>For &gt;10 To 50, Deduct</i>	-1.28	
		<i>For &gt;50 To 100, Deduct</i>	-2.87	
		<i>For &gt;100 To 250, Deduct</i>	-5.73	
		<i>For &gt;250 To 500, Deduct</i>	-9.88	
		<i>For &gt;500, Deduct</i>	-14.02	
06 05 23 00-0084	EA	3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	43.52	
		<i>For &gt;10 To 50, Deduct</i>	-1.39	
		<i>For &gt;50 To 100, Deduct</i>	-3.17	
		<i>For &gt;100 To 250, Deduct</i>	-6.34	
		<i>For &gt;250 To 500, Deduct</i>	-10.90	
		<i>For &gt;500, Deduct</i>	-15.45	
06 05 23 00-0085	EA	3/4" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	46.45	
		<i>For &gt;10 To 50, Deduct</i>	-1.44	
		<i>For &gt;50 To 100, Deduct</i>	-3.33	
		<i>For &gt;100 To 250, Deduct</i>	-6.65	
		<i>For &gt;250 To 500, Deduct</i>	-11.42	
		<i>For &gt;500, Deduct</i>	-16.19	
<b>06 05 23 00-0086</b>		<b>304/18-8 Stainless Steel, Carriage Bolts</b> <small>(06 05 23 00-0039)</small>		
06 05 23 00-0087	EA	1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt	15.96	
		<i>For &gt;10 To 50, Deduct</i>	-0.72	
		<i>For &gt;50 To 100, Deduct</i>	-1.48	
		<i>For &gt;100 To 250, Deduct</i>	-2.96	
		<i>For &gt;250 To 500, Deduct</i>	-5.17	
		<i>For &gt;500, Deduct</i>	-7.37	
06 05 23 00-0088	EA	1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	17.63	
		<i>For &gt;10 To 50, Deduct</i>	-0.72	
		<i>For &gt;50 To 100, Deduct</i>	-1.52	
		<i>For &gt;100 To 250, Deduct</i>	-3.05	
		<i>For &gt;250 To 500, Deduct</i>	-5.29	
		<i>For &gt;500, Deduct</i>	-7.54	
06 05 23 00-0089	EA	1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	18.73	
		<i>For &gt;10 To 50, Deduct</i>	-0.72	
		<i>For &gt;50 To 100, Deduct</i>	-1.55	
		<i>For &gt;100 To 250, Deduct</i>	-3.10	
		<i>For &gt;250 To 500, Deduct</i>	-5.37	
		<i>For &gt;500, Deduct</i>	-7.65	
06 05 23 00-0090	EA	1/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	32.75	
		<i>For &gt;10 To 50, Deduct</i>	-0.83	
		<i>For &gt;50 To 100, Deduct</i>	-2.07	
		<i>For &gt;100 To 250, Deduct</i>	-4.14	
		<i>For &gt;250 To 500, Deduct</i>	-7.04	
		<i>For &gt;500, Deduct</i>	-9.94	
06 05 23 00-0091	EA	3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt	18.62	
		<i>For &gt;10 To 50, Deduct</i>	-0.78	
		<i>For &gt;50 To 100, Deduct</i>	-1.63	
		<i>For &gt;100 To 250, Deduct</i>	-3.26	
		<i>For &gt;250 To 500, Deduct</i>	-5.67	
		<i>For &gt;500, Deduct</i>	-8.08	
06 05 23 00-0092	EA	3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	22.16	
		<i>For &gt;10 To 50, Deduct</i>	-0.83	
		<i>For &gt;50 To 100, Deduct</i>	-1.80	
		<i>For &gt;100 To 250, Deduct</i>	-3.61	
		<i>For &gt;250 To 500, Deduct</i>	-6.24	
		<i>For &gt;500, Deduct</i>	-8.88	
06 05 23 00-0093	EA	3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	22.69	
		<i>For &gt;10 To 50, Deduct</i>	-0.83	
		<i>For &gt;50 To 100, Deduct</i>	-1.82	
		<i>For &gt;100 To 250, Deduct</i>	-3.63	
		<i>For &gt;250 To 500, Deduct</i>	-6.28	
		<i>For &gt;500, Deduct</i>	-8.93	
06 05 23 00-0094	EA	3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	43.49	
		<i>For &gt;10 To 50, Deduct</i>	-1.00	
		<i>For &gt;50 To 100, Deduct</i>	-2.59	
		<i>For &gt;100 To 250, Deduct</i>	-5.17	
		<i>For &gt;250 To 500, Deduct</i>	-8.76	
		<i>For &gt;500, Deduct</i>	-12.34	
06 05 23 00-0095	EA	3/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt	53.33	
		<i>For &gt;10 To 50, Deduct</i>	-1.05	
		<i>For &gt;50 To 100, Deduct</i>	-2.92	
		<i>For &gt;100 To 250, Deduct</i>	-5.83	
		<i>For &gt;250 To 500, Deduct</i>	-9.80	
		<i>For &gt;500, Deduct</i>	-13.77	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0096 EA 3/8" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	59.79	
For >10 To 50, Deduct	-1.17	
For >50 To 100, Deduct	-3.24	
For >100 To 250, Deduct	-6.49	
For >250 To 500, Deduct	-10.89	
For >500, Deduct	-15.30	
06 05 23 00-0097 EA 1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	24.12	
For >10 To 50, Deduct	-0.83	
For >50 To 100, Deduct	-1.85	
For >100 To 250, Deduct	-3.70	
For >250 To 500, Deduct	-6.39	
For >500, Deduct	-9.07	
06 05 23 00-0098 EA 1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	27.56	
For >10 To 50, Deduct	-0.89	
For >50 To 100, Deduct	-2.02	
For >100 To 250, Deduct	-4.04	
For >250 To 500, Deduct	-6.95	
For >500, Deduct	-9.86	
06 05 23 00-0099 EA 1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	33.76	
For >10 To 50, Deduct	-0.94	
For >50 To 100, Deduct	-2.26	
For >100 To 250, Deduct	-4.52	
For >250 To 500, Deduct	-7.72	
For >500, Deduct	-10.92	
06 05 23 00-0100 EA 1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	54.87	
For >10 To 50, Deduct	-1.05	
For >50 To 100, Deduct	-2.95	
For >100 To 250, Deduct	-5.91	
For >250 To 500, Deduct	-9.92	
For >500, Deduct	-13.92	
06 05 23 00-0101 EA 1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	61.89	
For >10 To 50, Deduct	-1.22	
For >50 To 100, Deduct	-3.38	
For >100 To 250, Deduct	-6.76	
For >250 To 500, Deduct	-11.36	
For >500, Deduct	-15.96	
06 05 23 00-0102 EA 1/2" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	98.74	
For >10 To 50, Deduct	-1.33	
For >50 To 100, Deduct	-4.47	
For >100 To 250, Deduct	-8.93	
For >250 To 500, Deduct	-14.73	
For >500, Deduct	-20.53	
06 05 23 00-0103 EA 3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	76.63	
For >10 To 50, Deduct	-1.05	
For >50 To 100, Deduct	-3.50	
For >100 To 250, Deduct	-7.00	
For >250 To 500, Deduct	-11.55	
For >500, Deduct	-16.10	
06 05 23 00-0104 EA 3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	109.24	
For >10 To 50, Deduct	-1.22	
For >50 To 100, Deduct	-4.56	
For >100 To 250, Deduct	-9.13	
For >250 To 500, Deduct	-14.91	
For >500, Deduct	-20.69	
06 05 23 00-0105 EA 3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	121.25	
For >10 To 50, Deduct	-1.28	
For >50 To 100, Deduct	-4.95	
For >100 To 250, Deduct	-9.89	
For >250 To 500, Deduct	-16.11	
For >500, Deduct	-22.34	
06 05 23 00-0106 EA 3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	180.31	
For >10 To 50, Deduct	-1.39	
For >50 To 100, Deduct	-6.59	
For >100 To 250, Deduct	-13.18	
For >250 To 500, Deduct	-21.15	
For >500, Deduct	-29.13	
06 05 23 00-0107 EA 3/4" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	189.71	
For >10 To 50, Deduct	-1.44	
For >50 To 100, Deduct	-6.91	
For >100 To 250, Deduct	-13.81	
For >250 To 500, Deduct	-22.16	
For >500, Deduct	-30.52	
<b>06 05 23 00-0108 316 Stainless Steel, Carriage Bolts (06 05 23 00-0039) .....</b>	<b>23.70</b>	
06 05 23 00-0109 EA 1/4" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt.....	23.70	
For >10 To 50, Deduct	-0.72	
For >50 To 100, Deduct	-1.67	
For >100 To 250, Deduct	-3.35	
For >250 To 500, Deduct	-5.75	
For >500, Deduct	-8.14	
06 05 23 00-0110 EA 1/4" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt.....	26.64	
For >10 To 50, Deduct	-0.72	
For >50 To 100, Deduct	-1.75	
For >100 To 250, Deduct	-3.50	
For >250 To 500, Deduct	-5.97	
For >500, Deduct	-8.44	

**06 Wood, Plastics, and Composites****06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

06 05 23 00-0111	EA	3/8" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt.....	28.75
		<i>For &gt;10 To 50, Deduct</i>	-0.78
		<i>For &gt;50 To 100, Deduct</i>	-1.88
		<i>For &gt;100 To 250, Deduct</i>	-3.77
		<i>For &gt;250 To 500, Deduct</i>	-6.43
		<i>For &gt;500, Deduct</i>	-9.09
06 05 23 00-0112	EA	3/8" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt.....	33.94
		<i>For &gt;10 To 50, Deduct</i>	-0.83
		<i>For &gt;50 To 100, Deduct</i>	-2.10
		<i>For &gt;100 To 250, Deduct</i>	-4.19
		<i>For &gt;250 To 500, Deduct</i>	-7.12
		<i>For &gt;500, Deduct</i>	-10.05
06 05 23 00-0113	EA	1/2" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt.....	47.03
		<i>For &gt;10 To 50, Deduct</i>	-0.83
		<i>For &gt;50 To 100, Deduct</i>	-2.42
		<i>For &gt;100 To 250, Deduct</i>	-4.85
		<i>For &gt;250 To 500, Deduct</i>	-8.11
		<i>For &gt;500, Deduct</i>	-11.36
06 05 23 00-0114	EA	1/2" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt.....	51.31
		<i>For &gt;10 To 50, Deduct</i>	-0.89
		<i>For &gt;50 To 100, Deduct</i>	-2.61
		<i>For &gt;100 To 250, Deduct</i>	-5.23
		<i>For &gt;250 To 500, Deduct</i>	-8.73
		<i>For &gt;500, Deduct</i>	-12.24
06 05 23 00-0115	EA	1/2" Diameter x 6" Length, 316 Stainless Steel, Carriage Bolt.....	55.34
		<i>For &gt;10 To 50, Deduct</i>	-0.94
		<i>For &gt;50 To 100, Deduct</i>	-2.80
		<i>For &gt;100 To 250, Deduct</i>	-5.60
		<i>For &gt;250 To 500, Deduct</i>	-9.34
		<i>For &gt;500, Deduct</i>	-13.08

06 05 23 00-0116 Hex Lag Bolts (06 05 23 00-0038)  
 Note: Includes drilling of holes in any material.

06 05 23 00-0117 Zinc Plated Steel, Hex Lag Bolts (06 05 23 00-0116)

06 05 23 00-0118	EA	1/4" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt.....	14.12
		<i>For &gt;10 To 50, Deduct</i>	-0.69
		<i>For &gt;50 To 100, Deduct</i>	-1.39
		<i>For &gt;100 To 250, Deduct</i>	-2.79
		<i>For &gt;250 To 500, Deduct</i>	-4.87
		<i>For &gt;500, Deduct</i>	-6.96
06 05 23 00-0119	EA	1/4" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt.....	14.28
		<i>For &gt;10 To 50, Deduct</i>	-0.69
		<i>For &gt;50 To 100, Deduct</i>	-1.40
		<i>For &gt;100 To 250, Deduct</i>	-2.79
		<i>For &gt;250 To 500, Deduct</i>	-4.89
		<i>For &gt;500, Deduct</i>	-6.98
06 05 23 00-0120	EA	1/4" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt.....	14.59
		<i>For &gt;10 To 50, Deduct</i>	-0.69
		<i>For &gt;50 To 100, Deduct</i>	-1.41
		<i>For &gt;100 To 250, Deduct</i>	-2.81
		<i>For &gt;250 To 500, Deduct</i>	-4.91
		<i>For &gt;500, Deduct</i>	-7.01
06 05 23 00-0121	EA	3/8" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt.....	15.60
		<i>For &gt;10 To 50, Deduct</i>	-0.76
		<i>For &gt;50 To 100, Deduct</i>	-1.52
		<i>For &gt;100 To 250, Deduct</i>	-3.05
		<i>For &gt;250 To 500, Deduct</i>	-5.33
		<i>For &gt;500, Deduct</i>	-7.61
06 05 23 00-0122	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt.....	16.98
		<i>For &gt;10 To 50, Deduct</i>	-0.81
		<i>For &gt;50 To 100, Deduct</i>	-1.64
		<i>For &gt;100 To 250, Deduct</i>	-3.28
		<i>For &gt;250 To 500, Deduct</i>	-5.73
		<i>For &gt;500, Deduct</i>	-8.18
06 05 23 00-0123	EA	3/8" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt.....	17.33
		<i>For &gt;10 To 50, Deduct</i>	-0.81
		<i>For &gt;50 To 100, Deduct</i>	-1.65
		<i>For &gt;100 To 250, Deduct</i>	-3.30
		<i>For &gt;250 To 500, Deduct</i>	-5.75
		<i>For &gt;500, Deduct</i>	-8.21
06 05 23 00-0124	EA	3/8" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt.....	21.28
		<i>For &gt;10 To 50, Deduct</i>	-0.97
		<i>For &gt;50 To 100, Deduct</i>	-1.99
		<i>For &gt;100 To 250, Deduct</i>	-3.98
		<i>For &gt;250 To 500, Deduct</i>	-6.94
		<i>For &gt;500, Deduct</i>	-9.90
06 05 23 00-0125	EA	3/8" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt.....	22.57
		<i>For &gt;10 To 50, Deduct</i>	-1.03
		<i>For &gt;50 To 100, Deduct</i>	-2.10
		<i>For &gt;100 To 250, Deduct</i>	-4.21
		<i>For &gt;250 To 500, Deduct</i>	-7.34
		<i>For &gt;500, Deduct</i>	-10.47
06 05 23 00-0126	EA	1/2" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt.....	17.33
		<i>For &gt;10 To 50, Deduct</i>	-0.82
		<i>For &gt;50 To 100, Deduct</i>	-1.66
		<i>For &gt;100 To 250, Deduct</i>	-3.32
		<i>For &gt;250 To 500, Deduct</i>	-5.79
		<i>For &gt;500, Deduct</i>	-8.27

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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06 05 23 00-0127	EA 1/2" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt.....	18.92	
	For >10 To 50, Deduct	-0.87	
	For >50 To 100, Deduct	-1.78	
	For >100 To 250, Deduct	-3.56	
	For >250 To 500, Deduct	-6.21	
	For >500, Deduct	-8.86	
06 05 23 00-0128	EA 1/2" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt.....	20.66	
	For >10 To 50, Deduct	-0.93	
	For >50 To 100, Deduct	-1.90	
	For >100 To 250, Deduct	-3.81	
	For >250 To 500, Deduct	-6.64	
	For >500, Deduct	-9.47	
06 05 23 00-0129	EA 1/2" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt.....	23.58	
	For >10 To 50, Deduct	-1.03	
	For >50 To 100, Deduct	-2.14	
	For >100 To 250, Deduct	-4.28	
	For >250 To 500, Deduct	-7.45	
	For >500, Deduct	-10.63	
06 05 23 00-0130	EA 1/2" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt.....	27.85	
	For >10 To 50, Deduct	-1.20	
	For >50 To 100, Deduct	-2.49	
	For >100 To 250, Deduct	-4.98	
	For >250 To 500, Deduct	-8.67	
	For >500, Deduct	-12.36	
06 05 23 00-0131	EA 1/2" Diameter x 12" Length, Zinc Plated Steel, Hex Lag Bolt.....	30.40	
	For >10 To 50, Deduct	-1.31	
	For >50 To 100, Deduct	-2.72	
	For >100 To 250, Deduct	-5.44	
	For >250 To 500, Deduct	-9.46	
	For >500, Deduct	-13.49	
06 05 23 00-0132	EA 3/4" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt.....	25.70	
	For >10 To 50, Deduct	-1.03	
	For >50 To 100, Deduct	-2.19	
	For >100 To 250, Deduct	-4.39	
	For >250 To 500, Deduct	-7.61	
	For >500, Deduct	-10.84	
06 05 23 00-0133	EA 3/4" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt.....	30.79	
	For >10 To 50, Deduct	-1.20	
	For >50 To 100, Deduct	-2.57	
	For >100 To 250, Deduct	-5.13	
	For >250 To 500, Deduct	-8.89	
	For >500, Deduct	-12.66	
06 05 23 00-0134	EA 3/4" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt.....	34.28	
	For >10 To 50, Deduct	-1.25	
	For >50 To 100, Deduct	-2.73	
	For >100 To 250, Deduct	-5.47	
	For >250 To 500, Deduct	-9.45	
	For >500, Deduct	-13.44	
06 05 23 00-0135	EA 3/4" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt.....	38.67	
	For >10 To 50, Deduct	-1.36	
	For >50 To 100, Deduct	-3.01	
	For >100 To 250, Deduct	-6.02	
	For >250 To 500, Deduct	-10.38	
	For >500, Deduct	-14.75	
06 05 23 00-0136	EA 3/4" Diameter x 12" Length, Zinc Plated Steel, Hex Lag Bolt.....	43.64	
	For >10 To 50, Deduct	-1.41	
	For >50 To 100, Deduct	-3.21	
	For >100 To 250, Deduct	-6.43	
	For >250 To 500, Deduct	-11.05	
	For >500, Deduct	-15.68	

**06 05 23 00-0137 Hot Dipped Galvanized Steel, Hex Lag Bolts** (06 05 23 00-0116)

06 05 23 00-0138	EA 1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	14.19	
	For >10 To 50, Deduct	-0.69	
	For >50 To 100, Deduct	-1.40	
	For >100 To 250, Deduct	-2.79	
	For >250 To 500, Deduct	-4.88	
	For >500, Deduct	-6.97	
06 05 23 00-0139	EA 1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	14.44	
	For >10 To 50, Deduct	-0.69	
	For >50 To 100, Deduct	-1.40	
	For >100 To 250, Deduct	-2.80	
	For >250 To 500, Deduct	-4.90	
	For >500, Deduct	-6.99	
06 05 23 00-0140	EA 1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	14.68	
	For >10 To 50, Deduct	-0.69	
	For >50 To 100, Deduct	-1.41	
	For >100 To 250, Deduct	-2.81	
	For >250 To 500, Deduct	-4.92	
	For >500, Deduct	-7.02	
06 05 23 00-0141	EA 3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	15.73	
	For >10 To 50, Deduct	-0.76	
	For >50 To 100, Deduct	-1.53	
	For >100 To 250, Deduct	-3.05	
	For >250 To 500, Deduct	-5.34	
	For >500, Deduct	-7.62	

**06 Wood, Plastics, and Composites****06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
06 05 23 00-0142	EA 3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	17.19	
	For >10 To 50, Deduct	-0.81	
	For >50 To 100, Deduct	-1.64	
	For >100 To 250, Deduct	-3.29	
	For >250 To 500, Deduct	-5.74	
	For >500, Deduct	-8.20	
06 05 23 00-0143	EA 3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	17.58	
	For >10 To 50, Deduct	-0.81	
	For >50 To 100, Deduct	-1.65	
	For >100 To 250, Deduct	-3.31	
	For >250 To 500, Deduct	-5.77	
	For >500, Deduct	-8.24	
06 05 23 00-0144	EA 3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	21.76	
	For >10 To 50, Deduct	-0.97	
	For >50 To 100, Deduct	-2.00	
	For >100 To 250, Deduct	-4.00	
	For >250 To 500, Deduct	-6.98	
	For >500, Deduct	-9.95	
06 05 23 00-0145	EA 3/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	23.36	
	For >10 To 50, Deduct	-1.03	
	For >50 To 100, Deduct	-2.12	
	For >100 To 250, Deduct	-4.25	
	For >250 To 500, Deduct	-7.40	
	For >500, Deduct	-10.54	
06 05 23 00-0146	EA 1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	17.69	
	For >10 To 50, Deduct	-0.82	
	For >50 To 100, Deduct	-1.67	
	For >100 To 250, Deduct	-3.33	
	For >250 To 500, Deduct	-5.82	
	For >500, Deduct	-8.30	
06 05 23 00-0147	EA 1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	19.12	
	For >10 To 50, Deduct	-0.87	
	For >50 To 100, Deduct	-1.78	
	For >100 To 250, Deduct	-3.57	
	For >250 To 500, Deduct	-6.22	
	For >500, Deduct	-8.88	
06 05 23 00-0148	EA 1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	21.01	
	For >10 To 50, Deduct	-0.93	
	For >50 To 100, Deduct	-1.91	
	For >100 To 250, Deduct	-3.83	
	For >250 To 500, Deduct	-6.66	
	For >500, Deduct	-9.50	
06 05 23 00-0149	EA 1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	24.65	
	For >10 To 50, Deduct	-1.03	
	For >50 To 100, Deduct	-2.17	
	For >100 To 250, Deduct	-4.33	
	For >250 To 500, Deduct	-7.53	
	For >500, Deduct	-10.73	
06 05 23 00-0150	EA 1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	28.37	
	For >10 To 50, Deduct	-1.20	
	For >50 To 100, Deduct	-2.50	
	For >100 To 250, Deduct	-5.01	
	For >250 To 500, Deduct	-8.71	
	For >500, Deduct	-12.41	
06 05 23 00-0151	EA 1/2" Diameter x 12" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	31.68	
	For >10 To 50, Deduct	-1.31	
	For >50 To 100, Deduct	-2.75	
	For >100 To 250, Deduct	-5.50	
	For >250 To 500, Deduct	-9.56	
	For >500, Deduct	-13.62	
06 05 23 00-0152	EA 3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	26.49	
	For >10 To 50, Deduct	-1.03	
	For >50 To 100, Deduct	-2.21	
	For >100 To 250, Deduct	-4.43	
	For >250 To 500, Deduct	-7.67	
	For >500, Deduct	-10.92	
06 05 23 00-0153	EA 3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	31.51	
	For >10 To 50, Deduct	-1.20	
	For >50 To 100, Deduct	-2.58	
	For >100 To 250, Deduct	-5.17	
	For >250 To 500, Deduct	-8.95	
	For >500, Deduct	-12.73	
06 05 23 00-0154	EA 3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	35.48	
	For >10 To 50, Deduct	-1.25	
	For >50 To 100, Deduct	-2.76	
	For >100 To 250, Deduct	-5.53	
	For >250 To 500, Deduct	-9.54	
	For >500, Deduct	-13.56	
06 05 23 00-0155	EA 3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	41.51	
	For >10 To 50, Deduct	-1.36	
	For >50 To 100, Deduct	-3.08	
	For >100 To 250, Deduct	-6.16	
	For >250 To 500, Deduct	-10.60	
	For >500, Deduct	-15.04	
06 05 23 00-0156	EA 3/4" Diameter x 12" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	46.67	
	For >10 To 50, Deduct	-1.41	
	For >50 To 100, Deduct	-3.29	
	For >100 To 250, Deduct	-6.58	
	For >250 To 500, Deduct	-11.28	
	For >500, Deduct	-15.98	

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
		UNIT COST	UNIT COST

<b>06 05 23 00-0157</b>	<b>304/18-8 Stainless Steel, Hex Lag Bolts</b> <small>(06 05 23 00-0116)</small>		
06 05 23 00-0158	EA 1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	14.92	
	For >10 To 50, Deduct	-0.69	
	For >50 To 100, Deduct	-1.41	
	For >100 To 250, Deduct	-2.83	
	For >250 To 500, Deduct	-4.93	
	For >500, Deduct	-7.04	
06 05 23 00-0159	EA 1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	15.71	
	For >10 To 50, Deduct	-0.69	
	For >50 To 100, Deduct	-1.43	
	For >100 To 250, Deduct	-2.87	
	For >250 To 500, Deduct	-4.99	
	For >500, Deduct	-7.12	
06 05 23 00-0160	EA 1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	17.84	
	For >10 To 50, Deduct	-0.69	
	For >50 To 100, Deduct	-1.49	
	For >100 To 250, Deduct	-2.97	
	For >250 To 500, Deduct	-5.15	
	For >500, Deduct	-7.33	
06 05 23 00-0161	EA 3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	17.81	
	For >10 To 50, Deduct	-0.76	
	For >50 To 100, Deduct	-1.58	
	For >100 To 250, Deduct	-3.16	
	For >250 To 500, Deduct	-5.49	
	For >500, Deduct	-7.83	
06 05 23 00-0162	EA 3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	20.08	
	For >10 To 50, Deduct	-0.81	
	For >50 To 100, Deduct	-1.72	
	For >100 To 250, Deduct	-3.43	
	For >250 To 500, Deduct	-5.96	
	For >500, Deduct	-8.49	
06 05 23 00-0163	EA 3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	21.44	
	For >10 To 50, Deduct	-0.81	
	For >50 To 100, Deduct	-1.75	
	For >100 To 250, Deduct	-3.50	
	For >250 To 500, Deduct	-6.06	
	For >500, Deduct	-8.62	
06 05 23 00-0164	EA 3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	43.68	
	For >10 To 50, Deduct	-0.97	
	For >50 To 100, Deduct	-2.55	
	For >100 To 250, Deduct	-5.10	
	For >250 To 500, Deduct	-8.62	
	For >500, Deduct	-12.14	
06 05 23 00-0165	EA 3/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	61.38	
	For >10 To 50, Deduct	-1.03	
	For >50 To 100, Deduct	-3.07	
	For >100 To 250, Deduct	-6.15	
	For >250 To 500, Deduct	-10.25	
	For >500, Deduct	-14.35	
06 05 23 00-0166	EA 1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	21.62	
	For >10 To 50, Deduct	-0.82	
	For >50 To 100, Deduct	-1.77	
	For >100 To 250, Deduct	-3.53	
	For >250 To 500, Deduct	-6.11	
	For >500, Deduct	-8.69	
06 05 23 00-0167	EA 1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	25.55	
	For >10 To 50, Deduct	-0.87	
	For >50 To 100, Deduct	-1.94	
	For >100 To 250, Deduct	-3.89	
	For >250 To 500, Deduct	-6.70	
	For >500, Deduct	-9.52	
06 05 23 00-0168	EA 1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	31.55	
	For >10 To 50, Deduct	-0.93	
	For >50 To 100, Deduct	-2.18	
	For >100 To 250, Deduct	-4.35	
	For >250 To 500, Deduct	-7.45	
	For >500, Deduct	-10.56	
06 05 23 00-0169	EA 1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	65.38	
	For >10 To 50, Deduct	-1.03	
	For >50 To 100, Deduct	-3.18	
	For >100 To 250, Deduct	-6.37	
	For >250 To 500, Deduct	-10.59	
	For >500, Deduct	-14.81	
06 05 23 00-0170	EA 1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	89.01	
	For >10 To 50, Deduct	-1.20	
	For >50 To 100, Deduct	-4.02	
	For >100 To 250, Deduct	-8.04	
	For >250 To 500, Deduct	-13.26	
	For >500, Deduct	-18.48	
06 05 23 00-0171	EA 1/2" Diameter x 12" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	103.98	
	For >10 To 50, Deduct	-1.31	
	For >50 To 100, Deduct	-4.56	
	For >100 To 250, Deduct	-9.12	
	For >250 To 500, Deduct	-14.98	
	For >500, Deduct	-20.85	
06 05 23 00-0172	EA 3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	96.46	
	For >10 To 50, Deduct	-1.03	
	For >50 To 100, Deduct	-3.96	
	For >100 To 250, Deduct	-7.92	
	For >250 To 500, Deduct	-12.92	
	For >500, Deduct	-17.91	

**06 Wood, Plastics, and Composites****06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

06 05 23 00-0173	EA	3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	110.26	
		<i>For &gt;10 To 50, Deduct</i>	-1.20	
		<i>For &gt;50 To 100, Deduct</i>	-4.55	
		<i>For &gt;100 To 250, Deduct</i>	-9.10	
		<i>For &gt;250 To 500, Deduct</i>	-14.85	
		<i>For &gt;500, Deduct</i>	-20.60	
06 05 23 00-0174	EA	3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	114.73	
		<i>For &gt;10 To 50, Deduct</i>	-1.25	
		<i>For &gt;50 To 100, Deduct</i>	-4.74	
		<i>For &gt;100 To 250, Deduct</i>	-9.49	
		<i>For &gt;250 To 500, Deduct</i>	-15.49	
		<i>For &gt;500, Deduct</i>	-21.48	
06 05 23 00-0175	EA	3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	158.98	
		<i>For &gt;10 To 50, Deduct</i>	-1.36	
		<i>For &gt;50 To 100, Deduct</i>	-6.02	
		<i>For &gt;100 To 250, Deduct</i>	-12.03	
		<i>For &gt;250 To 500, Deduct</i>	-19.41	
		<i>For &gt;500, Deduct</i>	-26.78	
06 05 23 00-0176	EA	3/4" Diameter x 12" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	173.47	
		<i>For &gt;10 To 50, Deduct</i>	-1.41	
		<i>For &gt;50 To 100, Deduct</i>	-6.46	
		<i>For &gt;100 To 250, Deduct</i>	-12.92	
		<i>For &gt;250 To 500, Deduct</i>	-20.79	
		<i>For &gt;500, Deduct</i>	-28.66	

**06 05 23 00-0177 Timber Bolts** (06 05 23 00-0038)

Note: Includes drilling of holes in any material.

06 05 23 00-0178	EA	5/8" - 11 x 4" Threaded x 8" OAL A153 Galvanized Timber Bolt (Fastenal #11103914).....	33.05	
		<i>For &gt;10 To 50, Deduct</i>	-1.15	
		<i>For &gt;50 To 100, Deduct</i>	-2.55	
		<i>For &gt;100 To 250, Deduct</i>	-5.10	
		<i>For &gt;250 To 500, Deduct</i>	-8.81	
		<i>For &gt;500, Deduct</i>	-12.51	
06 05 23 00-0179	EA	5/8" - 11 x 4" Threaded x 10" OAL A153 Galvanized Timber Bolt (Fastenal #11103915).....	37.30	
		<i>For &gt;10 To 50, Deduct</i>	-1.29	
		<i>For &gt;50 To 100, Deduct</i>	-2.86	
		<i>For &gt;100 To 250, Deduct</i>	-5.73	
		<i>For &gt;250 To 500, Deduct</i>	-9.88	
		<i>For &gt;500, Deduct</i>	-14.03	
06 05 23 00-0180	EA	5/8" - 11 x 6" Threaded x 12" OAL A153 Galvanized Timber Bolt (Fastenal #11103916).....	40.23	
		<i>For &gt;10 To 50, Deduct</i>	-1.37	
		<i>For &gt;50 To 100, Deduct</i>	-3.06	
		<i>For &gt;100 To 250, Deduct</i>	-6.13	
		<i>For &gt;250 To 500, Deduct</i>	-10.56	
		<i>For &gt;500, Deduct</i>	-15.00	
06 05 23 00-0181	EA	5/8" - 11 x 6" Threaded x 14" OAL A153 Galvanized Timber Bolt (Fastenal #11103917).....	44.57	
		<i>For &gt;10 To 50, Deduct</i>	-1.45	
		<i>For &gt;50 To 100, Deduct</i>	-3.29	
		<i>For &gt;100 To 250, Deduct</i>	-6.58	
		<i>For &gt;250 To 500, Deduct</i>	-11.32	
		<i>For &gt;500, Deduct</i>	-16.06	
06 05 23 00-0182	EA	5/8" - 11 x 6" Threaded x 16" OAL A153 Galvanized Timber Bolt (Fastenal #11103918).....	47.38	
		<i>For &gt;10 To 50, Deduct</i>	-1.53	
		<i>For &gt;50 To 100, Deduct</i>	-3.48	
		<i>For &gt;100 To 250, Deduct</i>	-6.95	
		<i>For &gt;250 To 500, Deduct</i>	-11.96	
		<i>For &gt;500, Deduct</i>	-16.96	
06 05 23 00-0183	EA	5/8" - 11 x 6" Threaded x 18" OAL A153 Galvanized Timber Bolt (Fastenal #11103919).....	49.23	
		<i>For &gt;10 To 50, Deduct</i>	-1.60	
		<i>For &gt;50 To 100, Deduct</i>	-3.62	
		<i>For &gt;100 To 250, Deduct</i>	-7.25	
		<i>For &gt;250 To 500, Deduct</i>	-12.47	
		<i>For &gt;500, Deduct</i>	-17.69	
06 05 23 00-0184	EA	3/4" - 11 x 4" Threaded x 10" OAL A153 Galvanized Timber Bolt (Fastenal #11103920).....	43.96	
		<i>For &gt;10 To 50, Deduct</i>	-1.37	
		<i>For &gt;50 To 100, Deduct</i>	-3.16	
		<i>For &gt;100 To 250, Deduct</i>	-6.31	
		<i>For &gt;250 To 500, Deduct</i>	-10.84	
		<i>For &gt;500, Deduct</i>	-15.37	
06 05 23 00-0185	EA	3/4" - 11 x 6" Threaded x 12" OAL A153 Galvanized Timber Bolt (Fastenal #11103921).....	45.97	
		<i>For &gt;10 To 50, Deduct</i>	-1.43	
		<i>For &gt;50 To 100, Deduct</i>	-3.29	
		<i>For &gt;100 To 250, Deduct</i>	-6.58	
		<i>For &gt;250 To 500, Deduct</i>	-11.30	
		<i>For &gt;500, Deduct</i>	-16.02	
06 05 23 00-0186	EA	3/4" - 11 x 6" Threaded x 14" OAL A153 Galvanized Timber Bolt (Fastenal #11103922).....	50.68	
		<i>For &gt;10 To 50, Deduct</i>	-1.51	
		<i>For &gt;50 To 100, Deduct</i>	-3.53	
		<i>For &gt;100 To 250, Deduct</i>	-7.07	
		<i>For &gt;250 To 500, Deduct</i>	-12.11	
		<i>For &gt;500, Deduct</i>	-17.16	
06 05 23 00-0187	EA	3/4" - 11 x 6" Threaded x 16" OAL A153 Galvanized Timber Bolt (Fastenal #11103923).....	54.30	
		<i>For &gt;10 To 50, Deduct</i>	-1.59	
		<i>For &gt;50 To 100, Deduct</i>	-3.74	
		<i>For &gt;100 To 250, Deduct</i>	-7.49	
		<i>For &gt;250 To 500, Deduct</i>	-12.82	
		<i>For &gt;500, Deduct</i>	-18.15	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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06 05 23 00-0188	EA 3/4" - 11 x 6" Threaded x 18" OAL A153 Galvanized Timber Bolt (Fastenal #11103924) .....	58.21	
	For >10 To 50, Deduct	-1.67	
	For >50 To 100, Deduct	-3.96	
	For >100 To 250, Deduct	-7.91	
	For >250 To 500, Deduct	-13.54	
	For >500, Deduct	-19.17	
06 05 23 00-0189	<b>Supports</b> <small>(06 05 23)</small>		
06 05 23 00-0190	<b>Shear Plates</b> <small>(06 05 23 00-0189)</small>		
06 05 23 00-0191	EA 2-5/8" Diameter, Shear Plate .....	11.56	4.11
	For >10 To 50, Deduct	-0.46	
	For >50 To 100, Deduct	-0.98	
	For >100 To 250, Deduct	-1.97	
	For >250 To 500, Deduct	-3.41	
	For >500, Deduct	-4.86	
06 05 23 00-0192	EA 4" Diameter, Shear Plate .....	15.01	4.33
	For >10 To 50, Deduct	-0.48	
	For >50 To 100, Deduct	-1.10	
	For >100 To 250, Deduct	-2.20	
	For >250 To 500, Deduct	-3.78	
	For >500, Deduct	-5.36	
06 05 23 00-0193	<b>Sill Anchors</b> <small>(06 05 23 00-0189)</small>		
06 05 23 00-0194	EA Sill Anchor Embedded In Concrete .....	10.28	4.33
	For >10 To 50, Deduct	-0.48	
	For >50 To 100, Deduct	-0.98	
	For >100 To 250, Deduct	-1.96	
	For >250 To 500, Deduct	-3.42	
	For >500, Deduct	-4.89	
06 05 23 00-0195	<b>Spike Grids</b> <small>(06 05 23 00-0189)</small>		
06 05 23 00-0196	EA 4" x 4" Flat Or Curved Spike Grid .....	10.08	4.11
	For >10 To 50, Deduct	-0.46	
	For >50 To 100, Deduct	-0.95	
	For >100 To 250, Deduct	-1.89	
	For >250 To 500, Deduct	-3.30	
	For >500, Deduct	-4.71	
06 05 23 00-0197	<b>Split Rings</b> <small>(06 05 23 00-0189)</small>		
06 05 23 00-0198	EA 2-1/2" Diameter Split Ring .....	10.59	4.11
	For >10 To 50, Deduct	-0.46	
	For >50 To 100, Deduct	-0.96	
	For >100 To 250, Deduct	-1.92	
	For >250 To 500, Deduct	-3.34	
	For >500, Deduct	-4.76	
06 05 23 00-0199	EA 4" Diameter Split Ring .....	12.33	4.55
	For >10 To 50, Deduct	-0.50	
	For >50 To 100, Deduct	-1.07	
	For >100 To 250, Deduct	-2.13	
	For >250 To 500, Deduct	-3.70	
	For >500, Deduct	-5.27	
06 05 23 00-0200	<b>Toothed Rings</b> <small>(06 05 23 00-0189)</small>		
06 05 23 00-0201	EA 2-5/8" Or 4" Toothed Ring .....	12.54	4.11
	For >10 To 50, Deduct	-0.46	
	For >50 To 100, Deduct	-1.01	
	For >100 To 250, Deduct	-2.01	
	For >250 To 500, Deduct	-3.48	
	For >500, Deduct	-4.95	
06 05 23 00-0202	<b>Straps And Shields</b> <small>(06 05 23)</small>		
06 05 23 00-0203	<b>Shield Plate</b> <small>(06 05 23 00-0202)</small>		
06 05 23 00-0204	EA 5" Wide x 8" Long, 16 Gauge, Shield Plate (Simpson Strong Tie® PSPN58Z) .....	7.78	
	For >10 To 50, Deduct	-0.07	
	For >50 To 100, Deduct	-0.26	
	For >100 To 250, Deduct	-0.53	
	For >250 To 500, Deduct	-0.93	
	For >500, Deduct	-1.42	
06 05 23 00-0205	EA 5" Wide x 16" Long, 16 Gauge, Shield Plate (Simpson Strong Tie® PSPN516Z) .....	11.79	
	For >10 To 50, Deduct	-0.08	
	For >50 To 100, Deduct	-0.38	
	For >100 To 250, Deduct	-0.76	
	For >250 To 500, Deduct	-1.30	
	For >500, Deduct	-1.94	
06 05 23 00-0206	<b>Strap Ties</b> <small>(06 05 23 00-0202)</small>		

**06 Wood, Plastics, and Composites****06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
06 05 23 00-0207	EA 1-1/4" Wide x 9" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA9).....	3.05	
	<i>For &gt;10 To 50, Deduct</i>	-0.06	
	<i>For &gt;50 To 100, Deduct</i>	-0.13	
	<i>For &gt;100 To 250, Deduct</i>	-0.26	
	<i>For &gt;250 To 500, Deduct</i>	-0.51	
	<i>For &gt;500, Deduct</i>	-0.82	
06 05 23 00-0208	EA 1-1/4" Wide x 12" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA12).....	3.13	
	<i>For &gt;10 To 50, Deduct</i>	-0.06	
	<i>For &gt;50 To 100, Deduct</i>	-0.13	
	<i>For &gt;100 To 250, Deduct</i>	-0.27	
	<i>For &gt;250 To 500, Deduct</i>	-0.51	
	<i>For &gt;500, Deduct</i>	-0.82	
06 05 23 00-0209	EA 1-1/4" Wide x 15" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA15).....	4.16	
	<i>For &gt;10 To 50, Deduct</i>	-0.07	
	<i>For &gt;50 To 100, Deduct</i>	-0.17	
	<i>For &gt;100 To 250, Deduct</i>	-0.35	
	<i>For &gt;250 To 500, Deduct</i>	-0.66	
	<i>For &gt;500, Deduct</i>	-1.06	
06 05 23 00-0210	EA 1-1/4" Wide x 18" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA18).....	4.39	
	<i>For &gt;10 To 50, Deduct</i>	-0.07	
	<i>For &gt;50 To 100, Deduct</i>	-0.18	
	<i>For &gt;100 To 250, Deduct</i>	-0.36	
	<i>For &gt;250 To 500, Deduct</i>	-0.68	
	<i>For &gt;500, Deduct</i>	-1.08	
06 05 23 00-0211	EA 1-1/4" Wide x 21" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA21).....	4.59	
	<i>For &gt;10 To 50, Deduct</i>	-0.07	
	<i>For &gt;50 To 100, Deduct</i>	-0.18	
	<i>For &gt;100 To 250, Deduct</i>	-0.37	
	<i>For &gt;250 To 500, Deduct</i>	-0.69	
	<i>For &gt;500, Deduct</i>	-1.10	
06 05 23 00-0212	EA 1-1/4" Wide x 24" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA24).....	5.35	
	<i>For &gt;10 To 50, Deduct</i>	-0.08	
	<i>For &gt;50 To 100, Deduct</i>	-0.22	
	<i>For &gt;100 To 250, Deduct</i>	-0.43	
	<i>For &gt;250 To 500, Deduct</i>	-0.82	
	<i>For &gt;500, Deduct</i>	-1.30	
06 05 23 00-0213	EA 1-1/4" Wide x 30" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA30).....	5.91	
	<i>For &gt;10 To 50, Deduct</i>	-0.08	
	<i>For &gt;50 To 100, Deduct</i>	-0.23	
	<i>For &gt;100 To 250, Deduct</i>	-0.46	
	<i>For &gt;250 To 500, Deduct</i>	-0.86	
	<i>For &gt;500, Deduct</i>	-1.36	
06 05 23 00-0214	EA 1-1/4" Wide x 36" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA36).....	7.04	
	<i>For &gt;10 To 50, Deduct</i>	-0.10	
	<i>For &gt;50 To 100, Deduct</i>	-0.27	
	<i>For &gt;100 To 250, Deduct</i>	-0.55	
	<i>For &gt;250 To 500, Deduct</i>	-1.01	
	<i>For &gt;500, Deduct</i>	-1.60	
06 05 23 00-0215	EA 1-1/4" Wide x 9" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA9).....	3.13	
	<i>For &gt;10 To 50, Deduct</i>	-0.06	
	<i>For &gt;50 To 100, Deduct</i>	-0.13	
	<i>For &gt;100 To 250, Deduct</i>	-0.27	
	<i>For &gt;250 To 500, Deduct</i>	-0.51	
	<i>For &gt;500, Deduct</i>	-0.82	
06 05 23 00-0216	EA 1-1/4" Wide x 12" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA12).....	3.40	
	<i>For &gt;10 To 50, Deduct</i>	-0.06	
	<i>For &gt;50 To 100, Deduct</i>	-0.14	
	<i>For &gt;100 To 250, Deduct</i>	-0.28	
	<i>For &gt;250 To 500, Deduct</i>	-0.53	
	<i>For &gt;500, Deduct</i>	-0.85	
06 05 23 00-0217	EA 1-1/4" Wide x 15" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA15).....	4.33	
	<i>For &gt;10 To 50, Deduct</i>	-0.07	
	<i>For &gt;50 To 100, Deduct</i>	-0.18	
	<i>For &gt;100 To 250, Deduct</i>	-0.36	
	<i>For &gt;250 To 500, Deduct</i>	-0.67	
	<i>For &gt;500, Deduct</i>	-1.07	
06 05 23 00-0218	EA 1-1/4" Wide x 18" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA18).....	4.64	
	<i>For &gt;10 To 50, Deduct</i>	-0.07	
	<i>For &gt;50 To 100, Deduct</i>	-0.19	
	<i>For &gt;100 To 250, Deduct</i>	-0.37	
	<i>For &gt;250 To 500, Deduct</i>	-0.70	
	<i>For &gt;500, Deduct</i>	-1.10	
06 05 23 00-0219	EA 1-1/4" Wide x 21" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA21).....	4.93	
	<i>For &gt;10 To 50, Deduct</i>	-0.07	
	<i>For &gt;50 To 100, Deduct</i>	-0.19	
	<i>For &gt;100 To 250, Deduct</i>	-0.39	
	<i>For &gt;250 To 500, Deduct</i>	-0.72	
	<i>For &gt;500, Deduct</i>	-1.13	
06 05 23 00-0220	EA 1-1/4" Wide x 24" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA24).....	5.79	
	<i>For &gt;10 To 50, Deduct</i>	-0.08	
	<i>For &gt;50 To 100, Deduct</i>	-0.23	
	<i>For &gt;100 To 250, Deduct</i>	-0.46	
	<i>For &gt;250 To 500, Deduct</i>	-0.85	
	<i>For &gt;500, Deduct</i>	-1.34	
06 05 23 00-0221	EA 1-1/4" Wide x 30" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA30).....	6.24	
	<i>For &gt;10 To 50, Deduct</i>	-0.08	
	<i>For &gt;50 To 100, Deduct</i>	-0.24	
	<i>For &gt;100 To 250, Deduct</i>	-0.48	
	<i>For &gt;250 To 500, Deduct</i>	-0.88	
	<i>For &gt;500, Deduct</i>	-1.39	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0222 EA 1-1/4" Wide x 36" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MST36).....	7.57	
For >10 To 50, Deduct	-0.10	
For >50 To 100, Deduct	-0.29	
For >100 To 250, Deduct	-0.57	
For >250 To 500, Deduct	-1.05	
For >500, Deduct	-1.65	
06 05 23 00-0223 EA 1-1/4" Wide x 36" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MST49).....	9.82	
For >10 To 50, Deduct	-0.11	
For >50 To 100, Deduct	-0.36	
For >100 To 250, Deduct	-0.71	
For >250 To 500, Deduct	-1.29	
For >500, Deduct	-2.00	
06 05 23 00-0224 EA 1-1/4" Wide x 9" Long, 16 Gauge, Strap Tie (Simpson Strong Tie® ST9).....	3.50	
For >10 To 50, Deduct	-0.06	
For >50 To 100, Deduct	-0.14	
For >100 To 250, Deduct	-0.29	
For >250 To 500, Deduct	-0.54	
For >500, Deduct	-0.86	
06 05 23 00-0225 EA 1-1/4" Wide x 12" Long, 16 Gauge, Strap Tie (Simpson Strong Tie® ST12).....	3.82	
For >10 To 50, Deduct	-0.06	
For >50 To 100, Deduct	-0.15	
For >100 To 250, Deduct	-0.30	
For >250 To 500, Deduct	-0.56	
For >500, Deduct	-0.89	
06 05 23 00-0226 EA 1-1/4" Wide x 18" Long, 16 Gauge, Strap Tie (Simpson Strong Tie® ST18).....	5.17	
For >10 To 50, Deduct	-0.07	
For >50 To 100, Deduct	-0.20	
For >100 To 250, Deduct	-0.40	
For >250 To 500, Deduct	-0.74	
For >500, Deduct	-1.16	
06 05 23 00-0227 EA 1-1/4" Wide x 22" Long, 16 Gauge, Strap Tie® (Simpson Strong Tie ST22).....	6.70	
For >10 To 50, Deduct	-0.08	
For >50 To 100, Deduct	-0.25	
For >100 To 250, Deduct	-0.50	
For >250 To 500, Deduct	-0.92	
For >500, Deduct	-1.44	
06 05 23 00-0228 EA 1-3/8" Wide x 6" Long, 12 Gauge, Strap Tie (Simpson Strong Tie® HRS6).....	4.45	
For >10 To 50, Deduct	-0.06	
For >50 To 100, Deduct	-0.17	
For >100 To 250, Deduct	-0.33	
For >250 To 500, Deduct	-0.61	
For >500, Deduct	-0.96	
06 05 23 00-0229 EA 1-3/8" Wide x 8" Long, 12 Gauge, Strap Tie (Simpson Strong Tie® HRS8).....	4.70	
For >10 To 50, Deduct	-0.06	
For >50 To 100, Deduct	-0.17	
For >100 To 250, Deduct	-0.35	
For >250 To 500, Deduct	-0.63	
For >500, Deduct	-0.98	
06 05 23 00-0230 EA 1-3/8" Wide x 12" Long, 12 Gauge, Strap Tie (Simpson Strong Tie® HRS12).....	6.40	
For >10 To 50, Deduct	-0.07	
For >50 To 100, Deduct	-0.23	
For >100 To 250, Deduct	-0.46	
For >250 To 500, Deduct	-0.83	
For >500, Deduct	-1.28	
06 05 23 00-0231 EA 2-1/16" Wide x 27" Long, 12 Gauge, Medium Strap Tie (Simpson Strong Tie® MST27).....	11.44	
For >10 To 50, Deduct	-0.08	
For >50 To 100, Deduct	-0.37	
For >100 To 250, Deduct	-0.74	
For >250 To 500, Deduct	-1.27	
For >500, Deduct	-1.91	
06 05 23 00-0232 EA 2-1/16" Wide x 37" Long, 12 Gauge, Medium Strap Tie (Simpson Strong Tie® MST37).....	15.49	
For >10 To 50, Deduct	-0.10	
For >50 To 100, Deduct	-0.48	
For >100 To 250, Deduct	-0.97	
For >250 To 500, Deduct	-1.65	
For >500, Deduct	-2.44	
06 05 23 00-0233 EA 2-1/16" Wide x 48" Long, 12 Gauge, Medium Strap Tie (Simpson Strong Tie® MST48).....	20.49	
For >10 To 50, Deduct	-0.11	
For >50 To 100, Deduct	-0.62	
For >100 To 250, Deduct	-1.25	
For >250 To 500, Deduct	-2.09	
For >500, Deduct	-3.07	
06 05 23 00-0234 EA 2-1/16" Wide x 60" Long, 12 Gauge, Medium Strap Tie (Simpson Strong Tie® MST60).....	29.69	
For >10 To 50, Deduct	-0.12	
For >50 To 100, Deduct	-0.87	
For >100 To 250, Deduct	-1.73	
For >250 To 500, Deduct	-2.85	
For >500, Deduct	-4.12	
06 05 23 00-0235 EA 2-1/16" Wide x 72" Long, 12 Gauge, Medium Strap Tie (Simpson Strong Tie® MST72).....	38.28	
For >10 To 50, Deduct	-0.14	
For >50 To 100, Deduct	-1.10	
For >100 To 250, Deduct	-2.19	
For >250 To 500, Deduct	-3.56	
For >500, Deduct	-5.10	
06 05 23 00-0236 EA 3" Wide x 28" Long, 16 Gauge, Strap Ties (Simpson Strong Tie® MSTC28).....	12.27	
For >10 To 50, Deduct	-0.08	
For >50 To 100, Deduct	-0.39	
For >100 To 250, Deduct	-0.78	
For >250 To 500, Deduct	-1.34	
For >500, Deduct	-1.99	

**06 Wood, Plastics, and Composites****06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

06 05 23 00-0237	EA	3" Wide x 40" Long, 16 Gauge, Strap Ties (Simpson Strong Tie® MSTC40)	16.69
		<i>For &gt;10 To 50, Deduct</i>	-0.10
		<i>For &gt;50 To 100, Deduct</i>	-0.51
		<i>For &gt;100 To 250, Deduct</i>	-1.03
		<i>For &gt;250 To 500, Deduct</i>	-1.74
		<i>For &gt;500, Deduct</i>	-2.56
06 05 23 00-0238	EA	3" Wide x 52" Long, 16 Gauge, Strap Ties (Simpson Strong Tie® MSTC52)	20.82
		<i>For &gt;10 To 50, Deduct</i>	-0.11
		<i>For &gt;50 To 100, Deduct</i>	-0.63
		<i>For &gt;100 To 250, Deduct</i>	-1.26
		<i>For &gt;250 To 500, Deduct</i>	-2.12
		<i>For &gt;500, Deduct</i>	-3.10
06 05 23 00-0239	EA	3" Wide x 66" Long, 16 Gauge, Strap Ties (Simpson Strong Tie® MSTC66)	30.34
		<i>For &gt;10 To 50, Deduct</i>	-0.12
		<i>For &gt;50 To 100, Deduct</i>	-0.88
		<i>For &gt;100 To 250, Deduct</i>	-1.77
		<i>For &gt;250 To 500, Deduct</i>	-2.90
		<i>For &gt;500, Deduct</i>	-4.18
<b>06 05 23 00-0240</b>		<b>Twist Strap Ties</b> <small>(06 05 23 00-0202)</small>	
06 05 23 00-0241	EA	1-1/4" Wide x 9" Long, 16 Gauge, Twist Strap Tie (Simpson Strong Tie® TS9)	3.94
		<i>For &gt;10 To 50, Deduct</i>	-0.06
		<i>For &gt;50 To 100, Deduct</i>	-0.15
		<i>For &gt;100 To 250, Deduct</i>	-0.31
		<i>For &gt;250 To 500, Deduct</i>	-0.57
		<i>For &gt;500, Deduct</i>	-0.90
06 05 23 00-0242	EA	1-1/4" Wide x 12" Long, 16 Gauge, Twist Strap Tie (Simpson Strong Tie® TS12)	4.55
		<i>For &gt;10 To 50, Deduct</i>	-0.06
		<i>For &gt;50 To 100, Deduct</i>	-0.17
		<i>For &gt;100 To 250, Deduct</i>	-0.34
		<i>For &gt;250 To 500, Deduct</i>	-0.62
		<i>For &gt;500, Deduct</i>	-0.97
06 05 23 00-0243	EA	1-1/4" Wide x 18" Long, 16 Gauge, Twist Strap Tie (Simpson Strong Tie® TS18)	6.15
		<i>For &gt;10 To 50, Deduct</i>	-0.07
		<i>For &gt;50 To 100, Deduct</i>	-0.22
		<i>For &gt;100 To 250, Deduct</i>	-0.45
		<i>For &gt;250 To 500, Deduct</i>	-0.81
		<i>For &gt;500, Deduct</i>	-1.25
06 05 23 00-0244	EA	1-1/4" Wide x 22" Long, 16 Gauge, Twist Strap Tie (Simpson Strong Tie® TS22)	7.29
		<i>For &gt;10 To 50, Deduct</i>	-0.08
		<i>For &gt;50 To 100, Deduct</i>	-0.27
		<i>For &gt;100 To 250, Deduct</i>	-0.53
		<i>For &gt;250 To 500, Deduct</i>	-0.96
		<i>For &gt;500, Deduct</i>	-1.49
<b>06 05 23 00-0245</b>		<b>Retrofit Plate Strap</b> <small>(06 05 23 00-0202)</small>	
06 05 23 00-0246	EA	1-3/8" Wide x 18" Long, 16 Gauge, Retrofit Plate Strap (Simpson Strong Tie® RPS18)	5.47
		<i>For &gt;10 To 50, Deduct</i>	-0.07
		<i>For &gt;50 To 100, Deduct</i>	-0.21
		<i>For &gt;100 To 250, Deduct</i>	-0.41
		<i>For &gt;250 To 500, Deduct</i>	-0.76
		<i>For &gt;500, Deduct</i>	-1.19
06 05 23 00-0247	EA	1-3/8" Wide x 22" Long, 16 Gauge, Retrofit Plate Strap (Simpson Strong Tie® RPS22)	6.05
		<i>For &gt;10 To 50, Deduct</i>	-0.07
		<i>For &gt;50 To 100, Deduct</i>	-0.22
		<i>For &gt;100 To 250, Deduct</i>	-0.44
		<i>For &gt;250 To 500, Deduct</i>	-0.80
		<i>For &gt;500, Deduct</i>	-1.24
06 05 23 00-0248	EA	1-3/8" Wide x 28" Long, 16 Gauge, Retrofit Plate Strap (Simpson Strong Tie® RPS28)	6.94
		<i>For &gt;10 To 50, Deduct</i>	-0.07
		<i>For &gt;50 To 100, Deduct</i>	-0.24
		<i>For &gt;100 To 250, Deduct</i>	-0.49
		<i>For &gt;250 To 500, Deduct</i>	-0.87
		<i>For &gt;500, Deduct</i>	-1.33
<b>06 05 23 00-0249</b>		<b>Stud Shoe</b> <small>(06 05 23 00-0202)</small>	
06 05 23 00-0250	EA	6" High With 3-1/4" Wide Tabs For 2X Stud, 16 Gauge, Stud Shoe (Simpson Strong Tie® SS1.5)	10.08
		<i>For &gt;10 To 50, Deduct</i>	-0.08
		<i>For &gt;50 To 100, Deduct</i>	-0.34
		<i>For &gt;100 To 250, Deduct</i>	-0.67
		<i>For &gt;250 To 500, Deduct</i>	-1.17
		<i>For &gt;500, Deduct</i>	-1.77
06 05 23 00-0251	EA	6" High With 3-1/4" Wide Tabs For 3X Stud, 16 Gauge, Stud Shoe (Simpson Strong Tie® SS2.5)	15.20
		<i>For &gt;10 To 50, Deduct</i>	-0.08
		<i>For &gt;50 To 100, Deduct</i>	-0.46
		<i>For &gt;100 To 250, Deduct</i>	-0.93
		<i>For &gt;250 To 500, Deduct</i>	-1.56
		<i>For &gt;500, Deduct</i>	-2.29
06 05 23 00-0252	EA	6" High With 3-1/4" Wide Tabs For 2-2X Studs, 16 Gauge, Stud Shoe (Simpson Strong Tie® SS3)	16.66
		<i>For &gt;10 To 50, Deduct</i>	-0.08
		<i>For &gt;50 To 100, Deduct</i>	-0.50
		<i>For &gt;100 To 250, Deduct</i>	-1.00
		<i>For &gt;250 To 500, Deduct</i>	-1.67
		<i>For &gt;500, Deduct</i>	-2.43

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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06 05 23 00-0253	EA	6" High With 3-1/4" Wide Tabs For 3-2X Studs, 16 Gauge, Stud Shoe (Simpson Strong Tie SS4.5).....	21.56	
		<i>For &gt;10 To 50, Deduct</i>	-0.08	
		<i>For &gt;50 To 100, Deduct</i>	-0.62	
		<i>For &gt;100 To 250, Deduct</i>	-1.24	
		<i>For &gt;250 To 500, Deduct</i>	-2.03	
		<i>For &gt;500, Deduct</i>	-2.92	
06 05 23 00-0254	EA	7-1/8" High With 3-1/4" Wide Tabs For 2X Studs, 16 Gauge, Stud Shoe (Simpson Strong Tie HSS2-SDS1.5).....	24.21	
		<i>For &gt;10 To 50, Deduct</i>	-0.08	
		<i>For &gt;50 To 100, Deduct</i>	-0.69	
		<i>For &gt;100 To 250, Deduct</i>	-1.38	
		<i>For &gt;250 To 500, Deduct</i>	-2.23	
		<i>For &gt;500, Deduct</i>	-3.19	
06 05 23 00-0255	EA	7-1/8" High With 3-1/4" Wide Tabs For 2-2X Studs, 16 Gauge, Stud Shoe (Simpson Strong Tie HSS2-2-SDS3) .....	29.90	
		<i>For &gt;10 To 50, Deduct</i>	-0.08	
		<i>For &gt;50 To 100, Deduct</i>	-0.83	
		<i>For &gt;100 To 250, Deduct</i>	-1.66	
		<i>For &gt;250 To 500, Deduct</i>	-2.66	
		<i>For &gt;500, Deduct</i>	-3.76	
06 05 23 00-0256	EA	7-1/8" High With 3-1/4" Wide Tabs For 3-2X Studs, 16 Gauge, Stud Shoe (Simpson Strong Tie HSS2-3-SDS3) .....	29.90	
		<i>For &gt;10 To 50, Deduct</i>	-0.08	
		<i>For &gt;50 To 100, Deduct</i>	-0.83	
		<i>For &gt;100 To 250, Deduct</i>	-1.66	
		<i>For &gt;250 To 500, Deduct</i>	-2.66	
		<i>For &gt;500, Deduct</i>	-3.76	
06 05 23 00-0257	EA	7-1/8" High With 3-1/4" Wide Tabs For 4X Studs, 16 Gauge, Stud Shoe (Simpson Strong Tie HSS4-SDS3).....	29.90	
		<i>For &gt;10 To 50, Deduct</i>	-0.08	
		<i>For &gt;50 To 100, Deduct</i>	-0.83	
		<i>For &gt;100 To 250, Deduct</i>	-1.66	
		<i>For &gt;250 To 500, Deduct</i>	-2.66	
		<i>For &gt;500, Deduct</i>	-3.76	

**06 05 23 00-0258 Nail Stops** (06 05 23 00-0202)

06 05 23 00-0259	EA	1-1/2" Wide x 3" Long, 16 Gauge, Nail Stops (Simpson Strong Tie® NS1).....	2.85	
		<i>For &gt;10 To 50, Deduct</i>	-0.06	
		<i>For &gt;50 To 100, Deduct</i>	-0.13	
		<i>For &gt;100 To 250, Deduct</i>	-0.25	
		<i>For &gt;250 To 500, Deduct</i>	-0.49	
		<i>For &gt;500, Deduct</i>	-0.80	
06 05 23 00-0260	EA	1-1/2" Wide x 6" Long, 16 Gauge, Nail Stops (Simpson Strong Tie® NS2).....	3.30	
		<i>For &gt;10 To 50, Deduct</i>	-0.06	
		<i>For &gt;50 To 100, Deduct</i>	-0.14	
		<i>For &gt;100 To 250, Deduct</i>	-0.28	
		<i>For &gt;250 To 500, Deduct</i>	-0.53	
		<i>For &gt;500, Deduct</i>	-0.84	

**06 05 73 Wood Treatment** (06 05)
**06 05 73 13 Fire-Retardant Wood Treatment** (06 05 73)

06 05 73 13-0001	Preservative Treated Lumber	<small>(06 05 73 13)</small>		
06 05 73 13-0002	Fire Retardant Treatment (FRT) For Lumber	<small>(06 05 73 13-0001)</small>		
06 05 73 13-0003	MBF Fire Retardant Treatment (FRT) For Lumber.....		622.77	

**06 05 73 33 Preservative Wood Treatment** (06 05 73)

06 05 73 33-0001	Preservative Treatment For Marine And Fresh Water Uses	<small>(06 05 73 33)</small>		
06 05 73 33-0002	MBF Preservative Treatment For Marine And Fresh Water Lumber .....		255.68	

**06 10 Rough Carpentry** (06)
**06 11 Wood Framing** (06 10)

Note: All framing lumber is grade #2 or better unless otherwise listed. Dimensions are nominal. See CSI section 06 05 23 00-0000 for anchors and supports.

**06 11 13 Engineered Wood Products** (06 11)

Note: All framing lumber is grade #2 or better unless otherwise listed. Dimensions are nominal.

06 11 13 00-0001	Built-Up Members	<small>(06 11 13)</small>		
		Note: A structural framing member made from fastening separate pieces of lumber together.		
06 11 13 00-0002	Built-Up Beams Or Joists	<small>(06 11 13 00-0001)</small>		
06 11 13 00-0003	LF Two 2" x 6" Built-up Wood Beam Or Joist.....		6.05	1.90
	<i>For Each Additional 2" x_ " In The Built Up Member, Add</i>		1.57	
06 11 13 00-0004	LF Two 2" x 8" Built-up Wood Beam Or Joist.....		7.81	2.24
	<i>For Each Additional 2" x_ " In The Built Up Member, Add</i>		2.23	
06 11 13 00-0005	LF Two 2" x 10" Built-up Wood Beam Or Joist.....		10.22	2.68
	<i>For Each Additional 2" x_ " In The Built Up Member, Add</i>		3.10	
06 11 13 00-0006	Built-Up Posts	<small>(06 11 13 00-0001)</small>		
06 11 13 00-0007	LF Two 2" x 6" Built-up Wood Post.....		6.05	1.90
	<i>For Each Additional 2" x_ " In The Built Up Member, Add</i>		1.57	
06 11 13 00-0008	LF Two 2" x 8" Built-up Wood Post.....		7.81	2.24
	<i>For Each Additional 2" x_ " In The Built Up Member, Add</i>		2.23	

**06 Wood, Plastics, and Composites****06 10 Rough Carpentry****06 11 Wood Framing**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

06 11 13 00-0009	LF	Two 2" x 10" Built-up Wood Post .....	10.22	2.68
		For Each Additional 2" x_ " In The Built Up Member, Add	3.10	

**06 11 16 Mechanically Graded Lumber (06 11)**

06 11 16 00-0001		<b>Sills And Plates (06 11 16)</b>		
06 11 16 00-0002		<b>Sills (06 11 16 00-0001)</b>		
		Note: A horizontal member which rests on and is attached to the foundation.		
06 11 16 00-0003	LF	2" x 4" Wood Sill .....	3.45	1.68
06 11 16 00-0004	LF	2" x 6" Wood Sill .....	4.36	1.90
06 11 16 00-0005	LF	2" x 8" Wood Sill .....	5.39	2.12
06 11 16 00-0006	LF	2" x 4" Pressure Treated Wood Sill.....	3.66	1.68
06 11 16 00-0007	LF	2" x 6" Pressure Treated Wood Sill.....	4.71	1.90
06 11 16 00-0008	LF	2" x 8" Pressure Treated Wood Sill.....	5.86	2.12
06 11 16 00-0009		<b>Plates (06 11 16 00-0001)</b>		
		Note: A horizontal member connecting and terminating studs, posts, joists, rafters, etc. such as the top and bottom plate on a stud framed partition wall.		
06 11 16 00-0010	LF	2" x 4" Wood Plate.....	3.45	1.68
06 11 16 00-0011	LF	2" x 6" Wood Plate.....	4.36	1.90
06 11 16 00-0012	LF	2" x 8" Wood Plate.....	5.36	2.12
06 11 16 00-0013	LF	2" x 4" Pressure Treated Wood Plate.....	3.66	1.68
06 11 16 00-0014	LF	2" x 6" Pressure Treated Wood Plate.....	4.71	1.90
06 11 16 00-0015	LF	2" x 8" Pressure Treated Wood Plate.....	5.83	2.12
06 11 16 00-0016		<b>Sills And Plates From Redwood (06 11 16 00-0001)</b>		
06 11 16 00-0017		<b>Construction Grade/Rough (06 11 16 00-0016)</b>		
06 11 16 00-0018	LF	2" x 6" Redwood, Construction Grade/Rough.....	5.41	1.90
06 11 16 00-0019	LF	2" x 8" Redwood, Construction Grade/Rough.....	7.16	2.12
06 11 16 00-0020	LF	2" x 10" Redwood, Construction Grade/Rough.....	8.70	2.35
06 11 16 00-0021	LF	2" x 12" Redwood, Construction Grade/Rough.....	10.50	2.57
06 11 16 00-0022		<b>Con Heart/Smooth (06 11 16 00-0016)</b>		
06 11 16 00-0023	LF	2" x 6" Redwood, Con Heart/Smooth.....	6.53	1.90
06 11 16 00-0024	LF	2" x 8" Redwood, Con Heart/Smooth.....	8.83	2.12
06 11 16 00-0025	LF	2" x 10" Redwood, Con Heart/Smooth.....	11.54	2.35
06 11 16 00-0026	LF	2" x 12" Redwood, Con Heart/Smooth.....	13.87	2.57
06 11 16 00-0027		<b>Suspended Ceiling Framing (06 11 16)</b>		
06 11 16 00-0028	LF	1" x 2" Wood Suspended Ceiling Framing.....	2.67	1.45
06 11 16 00-0029	LF	1" x 3" Wood Suspended Ceiling Framing.....	3.00	1.56
06 11 16 00-0030	LF	2" x 2" Wood Suspended Ceiling Framing.....	3.32	1.68
06 11 16 00-0031	LF	2" x 4" Wood Suspended Ceiling Framing.....	3.95	1.90
06 11 16 00-0032	LF	1" x 2" Pressure Treated Wood Suspended Ceiling Framing.....	2.93	1.45
06 11 16 00-0033	LF	1" x 3" Pressure Treated Wood Suspended Ceiling Framing.....	2.96	1.56
06 11 16 00-0034	LF	2" x 2" Pressure Treated Wood Suspended Ceiling Framing.....	3.50	1.68
06 11 16 00-0035	LF	2" x 4" Pressure Treated Wood Suspended Ceiling Framing.....	4.06	1.90
06 11 16 00-0036		<b>Posts And Girts (06 11 16)</b>		
06 11 16 00-0037		<b>Posts (06 11 16 00-0036)</b>		
		Note: A vertical, upright framing member.		
06 11 16 00-0038	LF	4" x 4" Wood Post.....	5.11	2.12
06 11 16 00-0039	LF	4" x 5" Wood Post.....	5.86	2.46
06 11 16 00-0040	LF	4" x 6" Wood Post.....	6.43	2.68
06 11 16 00-0041	LF	6" x 6" Wood Post.....	7.18	2.91
06 11 16 00-0042	LF	8" x 8" Wood Post.....	7.93	3.02
06 11 16 00-0043	LF	10" x 10" Wood Post.....	8.68	3.46
06 11 16 00-0044	LF	4" x 4" Pressure Treated Wood Post.....	6.16	2.12
06 11 16 00-0045	LF	3" x 6" Pressure Treated Wood Post.....	6.98	2.68
06 11 16 00-0046	LF	4" x 6" Pressure Treated Wood Post.....	8.02	2.68
06 11 16 00-0047	LF	6" x 6" Pressure Treated Wood Post.....	10.42	2.91
06 11 16 00-0048		<b>Girts (06 11 16 00-0036)</b>		
		Note: A horizontal member at intermediate level between columns, studs, or posts.		
06 11 16 00-0049	LF	2" x 4" Wood Girt.....	2.55	0.80
06 11 16 00-0050	LF	2" x 6" Wood Girt.....	3.34	0.88
06 11 16 00-0051	LF	2" x 8" Wood Girt.....	4.17	0.98
06 11 16 00-0052	LF	2" x 10" Wood Girt.....	5.24	1.08
06 11 16 00-0053	LF	4" x 4" Wood Girt.....	4.88	1.61
06 11 16 00-0054	LF	4" x 5" Wood Girt.....	5.65	1.81
06 11 16 00-0055	LF	4" x 6" Wood Girt.....	6.39	2.01
06 11 16 00-0056	LF	6" x 6" Wood Girt.....	7.14	2.21
06 11 16 00-0057	LF	8" x 8" Wood Girt.....	7.90	2.42
06 11 16 00-0058	LF	10" x 10" Wood Girt.....	8.66	2.63
06 11 16 00-0059	LF	2" x 4" Pressure Treated Wood Girt.....	2.76	0.80
06 11 16 00-0060	LF	2" x 6" Pressure Treated Wood Girt.....	3.69	0.88

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0061	LF		2" x 8" Pressure Treated Wood Girt.....	4.64	0.98
06 11 16 00-0062	LF		2" x 10" Pressure Treated Wood Girt.....	5.48	1.08
06 11 16 00-0063	LF		4" x 4" Pressure Treated Wood Girt.....	6.16	1.61
06 11 16 00-0064	LF		3" x 6" Pressure Treated Wood Girt.....	6.98	2.01
06 11 16 00-0065	LF		4" x 6" Pressure Treated Wood Girt.....	8.02	2.01
06 11 16 00-0066	LF		6" x 6" Pressure Treated Wood Girt.....	10.42	2.21
<b>06 11 16 00-0067</b>			<b>Construction Grade/Rough Redwood Posts (06 11 16 00-0036)</b>		
06 11 16 00-0068	LF		4" x 4" Redwood, Construction Grade/Rough Post.....	8.28	2.12
			For Smooth "Clear", Add	1.01	
06 11 16 00-0069	LF		4" x 5" Redwood, Construction Grade/Rough Post.....	9.95	2.46
			For Smooth "Clear", Add	1.27	
06 11 16 00-0070	LF		4" x 6" Redwood, Construction Grade/Rough Post.....	11.63	2.68
			For Smooth "Clear", Add	1.52	
06 11 16 00-0071	LF		4" x 8" Redwood, Construction Grade/Rough Post.....	14.35	2.76
			For Smooth "Clear", Add	2.03	
06 11 16 00-0072	LF		4" x 10" Redwood, Construction Grade/Rough Post.....	17.15	2.94
			For Smooth "Clear", Add	2.54	
06 11 16 00-0073	LF		6" x 6" Redwood, Construction Grade/Rough Post.....	15.85	2.91
			For Smooth "Clear", Add	2.28	
06 11 16 00-0074	LF		6" x 8" Redwood, Construction Grade/Rough Post.....	19.83	3.02
			For Smooth "Clear", Add	3.05	
06 11 16 00-0075	LF		6" x 10" Redwood, Construction Grade/Rough Post.....	23.75	2.83
			For Smooth "Clear", Add	3.81	
06 11 16 00-0076	LF		8" x 8" Redwood, Construction Grade/Rough Post.....	25.14	3.02
			For Smooth "Clear", Add	4.06	
<b>06 11 16 00-0077</b>			<b>Stair Stringers (06 11 16)</b>		
			See CSI section 06 43 13 00-0001 for treads and risers.		
06 11 16 00-0078	LF		2" x 10" Wood Stair Stringer.....	9.75	4.47
06 11 16 00-0079	LF		2" x 12" Wood Stair Stringer.....	11.62	5.25
06 11 16 00-0080	LF		2" x 10" Pressure Treated Wood Stair Stringer.....	10.05	4.47
06 11 16 00-0081	LF		2" x 12" Pressure Treated Wood Stair Stringer.....	12.17	5.25
<b>06 11 16 00-0082</b>			<b>Blocking (06 11 16)</b>		
<b>06 11 16 00-0083</b>			<b>Blocking (06 11 16 00-0082)</b>		
<b>06 11 16 00-0084</b>			<b>Blocking To Wood (06 11 16 00-0083)</b>		
06 11 16 00-0085	LF		2" x 4" Pressure Treated Wood Blocking To Wood.....	7.03	2.69
06 11 16 00-0086	LF		2" x 6" Pressure Treated Wood Blocking To Wood.....	8.68	2.95
06 11 16 00-0087	LF		2" x 8" Pressure Treated Wood Blocking To Wood.....	10.08	3.25
06 11 16 00-0088	LF		4" x 4" Pressure Treated Wood Blocking To Wood.....	11.96	3.57
06 11 16 00-0089	LF		4" x 6" Pressure Treated Wood Blocking To Wood.....	12.76	3.93
06 11 16 00-0090	LF		2" x 4" Wood Blocking To Wood.....	6.31	2.69
06 11 16 00-0091	LF		2" x 6" Wood Blocking To Wood.....	7.48	2.95
06 11 16 00-0092	LF		2" x 8" Wood Blocking To Wood.....	8.74	3.25
06 11 16 00-0093	LF		4" x 4" Wood Blocking To Wood.....	9.06	3.57
06 11 16 00-0094	LF		4" x 6" Wood Blocking To Wood.....	10.28	3.93
<b>06 11 16 00-0095</b>			<b>Blocking To Steel (06 11 16 00-0083)</b>		
06 11 16 00-0096	LF		2" x 4" Pressure Treated Wood Blocking To Steel.....	8.01	3.09
06 11 16 00-0097	LF		2" x 6" Pressure Treated Wood Blocking To Steel.....	9.84	3.40
06 11 16 00-0098	LF		2" x 8" Pressure Treated Wood Blocking To Steel.....	11.40	3.74
06 11 16 00-0099	LF		2" x 4" Wood Blocking To Steel.....	7.21	3.09
06 11 16 00-0100	LF		2" x 6" Wood Blocking To Steel.....	8.52	3.40
06 11 16 00-0101	LF		2" x 8" Wood Blocking To Steel.....	9.93	3.74
<b>06 11 16 00-0102</b>			<b>Blocking To Concrete (06 11 16 00-0083)</b>		
06 11 16 00-0103	LF		2" x 4" Pressure Treated Wood Blocking To Concrete.....	8.01	3.09
06 11 16 00-0104	LF		2" x 6" Pressure Treated Wood Blocking To Concrete.....	9.84	3.40
06 11 16 00-0105	LF		2" x 8" Pressure Treated Wood Blocking To Concrete.....	11.40	3.74
06 11 16 00-0106	LF		2" x 4" Wood Blocking To Concrete.....	7.21	3.09
06 11 16 00-0107	LF		2" x 6" Wood Blocking To Concrete.....	8.52	3.40
06 11 16 00-0108	LF		2" x 8" Wood Blocking To Concrete.....	9.93	3.74
<b>06 11 16 00-0109</b>			<b>Pressure Treated Lattice (06 11 16 00-0082)</b>		
06 11 16 00-0110	SF		3/4" Thick Pressure Treated Wood Lattice.....	9.89	2.35
<b>06 11 16 00-0111</b>			<b>Roofing Nailers (06 11 16)</b>		
06 11 16 00-0112	LF		2" x 4" Pressure Treated Lumber, For Roofing Nailers.....	3.72	0.89
06 11 16 00-0113	LF		2" x 6" Pressure Treated Lumber, For Roofing Nailers.....	4.60	0.96
06 11 16 00-0114	LF		2" x 8" Pressure Treated Lumber, For Roofing Nailers.....	5.49	1.01
<b>06 11 16 00-0115</b>			<b>Roofing Sleepers (06 11 16)</b>		
06 11 16 00-0116	LF		2" x 4" Pressure Treated Lumber, For Roofing Sleepers.....	1.99	
06 11 16 00-0117	LF		4" x 4" Pressure Treated Lumber, For Roofing Sleepers.....	4.58	

**06 Wood, Plastics, and Composites****06 10 Rough Carpentry****06 11 Wood Framing**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
06 11 16 00-0118	LF	4" x 6" Pressure Treated Lumber, For Roofing Sleepers .....		6.01	
06 11 16 00-0119	LF	6" x 6" Pressure Treated Lumber, For Roofing Sleepers .....		8.23	
<b>06 11 16 00-0120</b>		<b>Canopy Framing, Bridging, And Furring (06 11 16)</b>			
<b>06 11 16 00-0121</b>		<b>Wood And Steel Bridging (06 11 16 00-0120)</b>			
<b>06 11 16 00-0122</b>		<b>Wood Bridging (06 11 16 00-0121)</b>			
06 11 16 00-0123	EA	1 Pair Wood Bridging, 1" x 3" Cross Type .....		9.43	3.92
		Note: For joists spaced at 16" on center.			
06 11 16 00-0124	EA	1 Pair Wood Bridging, 2" x 3" Cross Type .....		9.94	3.92
		Note: For joists spaced at 16" on center.			
<b>06 11 16 00-0125</b>		<b>Steel Bridging (06 11 16 00-0121)</b>			
06 11 16 00-0126	EA	1 Pair Steel Bridging, Wood Joists At 16" On Center.....		10.70	3.92
06 11 16 00-0127	EA	1 Pair Steel Bridging, Wood Joists At 24" On Center.....		10.67	3.92
<b>06 11 16 00-0128</b>		<b>Light Framing, Trim And Furring (06 11 16 00-0120)</b>			
<b>06 11 16 00-0129</b>		<b>Pine/Spruce/Fir Light Framing, Trim And Furring (06 11 16 00-0128)</b>			
06 11 16 00-0130	LF	1" x 1" Pine/Spruce/Fir Light Framing, Trim And Furring .....		2.12	0.91
06 11 16 00-0131	LF	1" x 2" Pine/Spruce/Fir Light Framing, Trim And Furring .....		2.44	1.01
06 11 16 00-0132	LF	1" x 4" Pine/Spruce/Fir Light Framing, Trim And Furring .....		2.90	1.11
06 11 16 00-0133	LF	1" x 6" Pine/Spruce/Fir Light Framing, Trim And Furring .....		3.26	1.22
06 11 16 00-0134	LF	1" x 8" Pine/Spruce/Fir Light Framing, Trim And Furring .....		3.64	1.34
06 11 16 00-0135	LF	1" x 10" Pine/Spruce/Fir Light Framing, Trim And Furring .....		4.05	1.47
06 11 16 00-0136	LF	2" x 2" Pine/Spruce/Fir Light Framing, Trim And Furring .....		3.30	1.22
06 11 16 00-0137	LF	2" x 4" Pine/Spruce/Fir Light Framing, Trim And Furring .....		3.72	1.34
06 11 16 00-0138	LF	2" x 6" Pine/Spruce/Fir Light Framing, Trim And Furring .....		4.53	1.47
06 11 16 00-0139	LF	2" x 8" Pine/Spruce/Fir Light Framing, Trim And Furring .....		5.47	1.63
06 11 16 00-0140	LF	2" x 10" Pine/Spruce/Fir Light Framing, Trim And Furring .....		6.67	1.79
<b>06 11 16 00-0141</b>		<b>Cedar Light Framing, Trim And Furring (06 11 16 00-0128)</b>			
06 11 16 00-0142	LF	1" x 1" Cedar Light Framing, Trim And Furring .....		2.17	0.91
06 11 16 00-0143	LF	1" x 2" Cedar Light Framing, Trim And Furring .....		2.70	1.01
06 11 16 00-0144	LF	1" x 4" Cedar Light Framing, Trim And Furring .....		3.90	1.11
06 11 16 00-0145	LF	1" x 6" Cedar Light Framing, Trim And Furring .....		4.98	1.22
06 11 16 00-0146	LF	1" x 8" Cedar Light Framing, Trim And Furring .....		8.15	1.34
06 11 16 00-0147	LF	1" x 10" Cedar Light Framing, Trim And Furring .....		9.80	1.47
06 11 16 00-0148	LF	2" x 2" Cedar Light Framing, Trim And Furring .....		3.94	1.22
06 11 16 00-0149	LF	2" x 4" Cedar Light Framing, Trim And Furring .....		4.68	1.34
<b>06 11 16 00-0150</b>		<b>Oak Light Framing, Trim And Furring (06 11 16 00-0128)</b>			
06 11 16 00-0151	LF	1" x 1" Oak Light Framing, Trim And Furring .....		2.19	0.91
06 11 16 00-0152	LF	1" x 2" Oak Light Framing, Trim And Furring .....		2.73	1.01
06 11 16 00-0153	LF	1" x 4" Oak Light Framing, Trim And Furring .....		3.65	1.11
06 11 16 00-0154	LF	1" x 6" Oak Light Framing, Trim And Furring .....		4.60	1.22
06 11 16 00-0155	LF	1" x 8" Oak Light Framing, Trim And Furring .....		5.56	1.34
06 11 16 00-0156	LF	1" x 10" Oak Light Framing, Trim And Furring .....		6.56	1.47
06 11 16 00-0157	LF	2" x 2" Oak Light Framing, Trim And Furring .....		3.88	1.22
06 11 16 00-0158	LF	2" x 4" Oak Light Framing, Trim And Furring .....		5.57	1.34
<b>06 11 16 00-0159</b>		<b>Redwood Light Framing, Trim And Furring (06 11 16 00-0128)</b>			
06 11 16 00-0160	LF	1" x 1" Redwood Light Framing, Trim And Furring.....		2.08	0.91
06 11 16 00-0161	LF	1" x 2" Redwood Light Framing, Trim And Furring.....		2.54	1.01
06 11 16 00-0162	LF	1" x 4" Redwood Light Framing, Trim And Furring.....		3.30	1.11
06 11 16 00-0163	LF	1" x 6" Redwood Light Framing, Trim And Furring.....		4.17	1.22
06 11 16 00-0164	LF	1" x 8" Redwood Light Framing, Trim And Furring.....		5.11	1.34
06 11 16 00-0165	LF	1" x 10" Redwood Light Framing, Trim And Furring.....		6.15	1.47
06 11 16 00-0166	LF	2" x 2" Redwood Light Framing, Trim And Furring.....		4.20	1.22
06 11 16 00-0167	LF	2" x 4" Redwood Light Framing, Trim And Furring.....		5.15	1.34
<b>06 11 16 00-0168</b>		<b>Poplar Light Framing, Trim And Furring (06 11 16 00-0128)</b>			
06 11 16 00-0169	LF	1" x 1" Poplar Light Framing, Trim And Furring.....		2.69	0.91
06 11 16 00-0170	LF	1" x 2" Poplar Light Framing, Trim And Furring.....		3.49	1.01
06 11 16 00-0171	LF	1" x 4" Poplar Light Framing, Trim And Furring.....		4.65	1.11
06 11 16 00-0172	LF	1" x 6" Poplar Light Framing, Trim And Furring.....		6.26	1.22
06 11 16 00-0173	LF	1" x 8" Poplar Light Framing, Trim And Furring.....		7.39	1.34
06 11 16 00-0174	LF	1" x 10" Poplar Light Framing, Trim And Furring.....		10.25	1.47
06 11 16 00-0175	LF	1" x 12" Poplar Light Framing, Trim And Furring.....		11.28	1.47
06 11 16 00-0176	LF	2" x 2" Poplar Light Framing, Trim And Furring.....		8.84	1.22
06 11 16 00-0177	LF	2" x 4" Poplar Light Framing, Trim And Furring.....		9.96	1.34
06 11 16 00-0178	LF	2" x 6" Poplar Light Framing, Trim And Furring.....		13.86	1.47
<b>06 11 16 00-0179</b>		<b>Maple Light Framing, Trim And Furring (06 11 16 00-0128)</b>			
06 11 16 00-0180	LF	1" x 4" Maple Light Framing, Trim And Furring .....		7.29	1.11
06 11 16 00-0181	LF	1" x 6" Maple Light Framing, Trim And Furring .....		10.34	1.22

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0182	LF		1" x 8" Maple Light Framing, Trim And Furring.....	13.45	1.34
<b>06 11 16 00-0183</b>			<b>Rafters And Joists (06 11 16)</b>		
<b>06 11 16 00-0184</b>			<b>Rafters (06 11 16 00-0183)</b>		
			Note: An inclined roof framing member to which a roof covering is attached.		
06 11 16 00-0185	LF		2" x 6" Wood Rafter .....	3.36	1.34
06 11 16 00-0186	LF		2" x 8" Wood Rafter .....	4.13	1.45
06 11 16 00-0187	LF		2" x 10" Wood Rafter .....	5.89	2.12
06 11 16 00-0188	LF		2" x 12" Wood Rafter .....	6.88	2.35
06 11 16 00-0189	LF		2" x 14" Wood Rafter .....	7.52	2.57
06 11 16 00-0190	LF		2" x 6" Pressure Treated Wood Rafter.....	3.71	1.34
06 11 16 00-0191	LF		2" x 8" Pressure Treated Wood Rafter.....	4.60	1.45
06 11 16 00-0192	LF		2" x 10" Pressure Treated Wood Rafter.....	6.13	2.12
06 11 16 00-0193	LF		2" x 12" Pressure Treated Wood Rafter.....	7.48	2.35
<b>06 11 16 00-0194</b>			<b>Joists (06 11 16 00-0183)</b>		
			Note: A series of parallel beams to support floors or ceilings.		
06 11 16 00-0195	LF		2" x 6" Wood Floor Joist.....	3.02	1.12
06 11 16 00-0196	LF		2" x 8" Wood Floor Joist.....	3.91	1.23
06 11 16 00-0197	LF		2" x 10" Wood Floor Joist.....	5.11	1.56
06 11 16 00-0198	LF		2" x 12" Wood Floor Joist.....	6.10	1.79
06 11 16 00-0199	LF		2" x 14" Wood Floor Joist.....	6.74	1.90
06 11 16 00-0200	LF		2" x 6" Pressure Treated Wood Floor Joist.....	3.37	1.12
06 11 16 00-0201	LF		2" x 8" Pressure Treated Wood Floor Joist.....	4.38	1.23
06 11 16 00-0202	LF		2" x 10" Pressure Treated Wood Floor Joist.....	5.35	1.56
06 11 16 00-0203	LF		2" x 12" Pressure Treated Wood Floor Joist.....	6.70	1.79
<b>06 11 16 00-0204</b>			<b>Purlins (06 11 16 00-0183)</b>		
			Note: A horizontal structural member in a roof, supporting the loads from the roof deck or sheathing.		
06 11 16 00-0205	LF		2" x 4" Wood Purlin .....	2.28	0.67
06 11 16 00-0206	LF		2" x 6" Wood Purlin .....	3.04	0.74
06 11 16 00-0207	LF		2" x 8" Wood Purlin .....	3.86	0.81
06 11 16 00-0208	LF		2" x 10" Wood Purlin.....	4.89	0.89
06 11 16 00-0209	LF		2" x 4" Pressure Treated Wood Purlin .....	2.49	0.67
06 11 16 00-0210	LF		2" x 6" Pressure Treated Wood Purlin .....	3.39	0.74
06 11 16 00-0211	LF		2" x 8" Pressure Treated Wood Purlin .....	4.33	0.81
06 11 16 00-0212	LF		2" x 10" Pressure Treated Wood Purlin .....	5.13	0.89
<b>06 11 16 00-0213</b>			<b>Exposed Rafters Or Joists (06 11 16 00-0183)</b>		
<b>06 11 16 00-0214</b>			<b>Redwood Rafters Or Joists (06 11 16 00-0213)</b>		
06 11 16 00-0215	LF		2" x 6" Redwood Rafter Or Joist .....	5.33	1.12
06 11 16 00-0216	LF		2" x 8" Redwood Rafter Or Joist .....	6.59	1.23
06 11 16 00-0217	LF		2" x 10" Redwood Rafter Or Joist .....	8.29	1.56
06 11 16 00-0218	LF		2" x 12" Redwood Rafter Or Joist .....	10.13	1.79
<b>06 11 16 00-0219</b>			<b>Cedar Rafters Or Joists (06 11 16 00-0213)</b>		
06 11 16 00-0220	LF		2" x 6" Cedar Rafter Or Joist.....	3.04	1.12
06 11 16 00-0221	LF		2" x 8" Cedar Rafter Or Joist.....	3.37	1.23
06 11 16 00-0222	LF		2" x 10" Cedar Rafter Or Joist.....	3.80	1.56
06 11 16 00-0223	LF		2" x 12" Cedar Rafter Or Joist.....	4.25	1.79
<b>06 11 16 00-0224</b>			<b>Oak Rafters Or Joists (06 11 16 00-0213)</b>		
06 11 16 00-0225	LF		2" x 6" Oak Rafter Or Joist.....	3.98	1.12
06 11 16 00-0226	LF		2" x 8" Oak Rafter Or Joist.....	5.75	1.23
06 11 16 00-0227	LF		2" x 10" Oak Rafter Or Joist.....	7.62	1.56
06 11 16 00-0228	LF		2" x 12" Oak Rafter Or Joist.....	9.50	1.79
<b>06 11 16 00-0229</b>			<b>Framing (06 11 16)</b>		
<b>06 11 16 00-0230</b>			<b>Partition Framing (06 11 16 00-0229)</b>		
06 11 16 00-0231	LF		2" x 4" Wood Stud Framing, For Partition Walls .....	2.23	0.89
06 11 16 00-0232	LF		2" x 6" Wood Stud Framing, For Partition Walls .....	2.91	0.96
06 11 16 00-0233	LF		2" x 8" Wood Stud Framing, For Partition Walls .....	3.63	1.01
06 11 16 00-0234	LF		2" x 4" Pressure Treated Wood Stud Framing, For Partition Walls.....	2.44	0.89
06 11 16 00-0235	LF		2" x 6" Pressure Treated Wood Stud Framing, For Partition Walls.....	3.26	0.96
06 11 16 00-0236	LF		2" x 8" Pressure Treated Wood Stud Framing, For Partition Walls.....	4.10	1.01
<b>06 11 16 00-0237</b>			<b>Wall Framing Assemblies By The SF (06 11 16 00-0229)</b>		
			Note: Includes single bottom and double top plates, center support bracing, vertical studs and appropriate fastening devices. Excludes blocking for wall mounted fixtures or cabinets. Per SF of wall area measures one side. Do not deduct for openings of less than 25 SF when calculating total wall square footage.		
<b>06 11 16 00-0238</b>			<b>Wall Framing By The SF, 12" On Center (06 11 16 00-0237)</b>		
06 11 16 00-0239	SF		2" x 4" Wood Wall Framing At 12" On Center.....	2.96	1.08
			For Up To 200, Add	0.91	
			For >200 To 500, Add	0.46	

**06 Wood, Plastics, and Composites****06 10 Rough Carpentry****06 11 Wood Framing**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

06 11 16 00-0240	SF	2" x 6" Wood Wall Framing At 12" On Center.....	4.06	1.38
		<i>For Up To 200, Add</i>	1.22	
		<i>For &gt;200 To 500, Add</i>	0.61	
06 11 16 00-0241	SF	2" x 8" Wood Wall Framing At 12" On Center.....	5.43	1.85
		<i>For Up To 200, Add</i>	1.63	
		<i>For &gt;200 To 500, Add</i>	0.82	

**06 11 16 00-0242 Wall Framing By The SF, 16" On Center (06 11 16 00-0237)**

06 11 16 00-0243	SF	2" x 4" Wood Wall Framing At 16" On Center.....	2.41	0.87
		<i>For Up To 200, Add</i>	0.74	
		<i>For &gt;200 To 500, Add</i>	0.37	
06 11 16 00-0244	SF	2" x 6" Wood Wall Framing At 16" On Center.....	3.38	1.16
		<i>For Up To 200, Add</i>	1.02	
		<i>For &gt;200 To 500, Add</i>	0.51	
06 11 16 00-0245	SF	2" x 8" Wood Wall Framing At 16" On Center.....	4.51	1.54
		<i>For Up To 200, Add</i>	1.36	
		<i>For &gt;200 To 500, Add</i>	0.68	

**06 11 16 00-0246 Wall Framing By The SF, 24" On Center (06 11 16 00-0237)**

06 11 16 00-0247	SF	2" x 4" Wood Wall Framing At 24" On Center.....	1.91	0.68
		<i>For Up To 200, Add</i>	0.59	
		<i>For &gt;200 To 500, Add</i>	0.29	
06 11 16 00-0248	SF	2" x 6" Wood Wall Framing At 24" On Center.....	2.66	0.89
		<i>For Up To 200, Add</i>	0.80	
		<i>For &gt;200 To 500, Add</i>	0.40	
06 11 16 00-0249	SF	2" x 8" Wood Wall Framing At 24" On Center.....	3.55	1.20
		<i>For Up To 200, Add</i>	1.07	
		<i>For &gt;200 To 500, Add</i>	0.53	

**06 13 Heavy Timber Construction (06 10)****06 13 23 Heavy Timber Framing (06 13)**

06 13 23 00-0001 Heavy Timber Framing (06 13 23)  
 Note: Excludes fasteners. See CSI section 06 05 23 00-0038 for bolts and fasteners.

06 13 23 00-0002 Heavy Timber Beams (06 13 23 00-0001)

06 13 23 00-0003 Pine, Heavy Timber Beams (06 13 23 00-0002)

06 13 23 00-0004	LF	4" x 4", Pine, Heavy Timber Beam.....	8.18	1.98
06 13 23 00-0005	LF	4" x 6", Pine, Heavy Timber Beam.....	10.45	2.07
06 13 23 00-0006	LF	4" x 8", Pine, Heavy Timber Beam.....	12.72	2.15
06 13 23 00-0007	LF	4" x 10", Pine, Heavy Timber Beam.....	17.34	2.30
06 13 23 00-0008	LF	4" x 12", Pine, Heavy Timber Beam.....	21.10	2.43
06 13 23 00-0009	LF	6" x 6", Pine, Heavy Timber Beam.....	13.89	2.24
06 13 23 00-0010	LF	6" x 8", Pine, Heavy Timber Beam.....	17.25	2.35
06 13 23 00-0011	LF	6" x 10", Pine, Heavy Timber Beam.....	24.18	2.52
06 13 23 00-0012	LF	6" x 12", Pine, Heavy Timber Beam.....	29.47	2.57
06 13 23 00-0013	LF	8" x 8", Pine, Heavy Timber Beam.....	21.68	2.43
06 13 23 00-0014	LF	8" x 10", Pine, Heavy Timber Beam.....	30.56	2.52
06 13 23 00-0015	LF	8" x 12", Pine, Heavy Timber Beam.....	37.67	2.57
06 13 23 00-0016	LF	10" x 10", Pine, Heavy Timber Beam.....	37.16	2.57
06 13 23 00-0017	LF	10" x 12", Pine, Heavy Timber Beam.....	46.15	2.79
06 13 23 00-0018	LF	12" x 12", Pine, Heavy Timber Beam.....	54.81	3.08

06 13 23 00-0019 Douglas Fir, Heavy Timber Beams (06 13 23 00-0002)

06 13 23 00-0020	LF	4" x 4", Douglas Fir, Heavy Timber Beam.....	8.60	1.98
06 13 23 00-0021	LF	4" x 6", Douglas Fir, Heavy Timber Beam.....	11.08	2.07
06 13 23 00-0022	LF	4" x 8", Douglas Fir, Heavy Timber Beam.....	13.57	2.15
06 13 23 00-0023	LF	4" x 10", Douglas Fir, Heavy Timber Beam.....	18.62	2.30
06 13 23 00-0024	LF	4" x 12", Douglas Fir, Heavy Timber Beam.....	22.71	2.43
06 13 23 00-0025	LF	6" x 6", Douglas Fir, Heavy Timber Beam.....	14.83	2.24
06 13 23 00-0026	LF	6" x 8", Douglas Fir, Heavy Timber Beam.....	18.49	2.35
06 13 23 00-0027	LF	6" x 10", Douglas Fir, Heavy Timber Beam.....	26.08	2.52
06 13 23 00-0028	LF	6" x 12", Douglas Fir, Heavy Timber Beam.....	31.91	2.57
06 13 23 00-0029	LF	8" x 8", Douglas Fir, Heavy Timber Beam.....	23.36	2.43
06 13 23 00-0030	LF	8" x 10", Douglas Fir, Heavy Timber Beam.....	33.12	2.52
06 13 23 00-0031	LF	8" x 12", Douglas Fir, Heavy Timber Beam.....	40.91	2.57
06 13 23 00-0032	LF	10" x 10", Douglas Fir, Heavy Timber Beam.....	40.33	2.57
06 13 23 00-0033	LF	10" x 12", Douglas Fir, Heavy Timber Beam.....	50.16	2.79
06 13 23 00-0034	LF	12" x 12", Douglas Fir, Heavy Timber Beam.....	59.66	3.08

06 13 23 00-0035 Pressure Treated, Heavy Timber Beams (06 13 23 00-0002)

06 13 23 00-0036	LF	4" x 4", Pressure Treated, Heavy Timber Beam.....	8.24	1.98
06 13 23 00-0037	LF	4" x 6", Pressure Treated, Heavy Timber Beam.....	10.93	2.07
06 13 23 00-0038	LF	4" x 8", Pressure Treated, Heavy Timber Beam.....	13.27	2.15
06 13 23 00-0039	LF	4" x 10", Pressure Treated, Heavy Timber Beam.....	18.17	2.30
06 13 23 00-0040	LF	4" x 12", Pressure Treated, Heavy Timber Beam.....	22.13	2.43
06 13 23 00-0041	LF	6" x 6", Pressure Treated, Heavy Timber Beam.....	15.89	2.24
06 13 23 00-0042	LF	6" x 8", Pressure Treated, Heavy Timber Beam.....	19.97	2.35
06 13 23 00-0043	LF	6" x 10", Pressure Treated, Heavy Timber Beam.....	24.25	2.52
06 13 23 00-0044	LF	6" x 12", Pressure Treated, Heavy Timber Beam.....	30.38	2.57



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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06 13 23 00-0045	LF		8" x 8", Pressure Treated, Heavy Timber Beam .....	30.88	2.43
06 13 23 00-0046	LF		8" x 10", Pressure Treated, Heavy Timber Beam .....	36.25	2.52
06 13 23 00-0047	LF		8" x 12", Pressure Treated, Heavy Timber Beam .....	43.09	2.57
06 13 23 00-0048	LF		10" x 10", Pressure Treated, Heavy Timber Beam .....	43.29	2.57
06 13 23 00-0049	LF		10" x 12", Pressure Treated, Heavy Timber Beam .....	58.12	2.79
06 13 23 00-0050	LF		12" x 12", Pressure Treated, Heavy Timber Beam .....	69.20	3.08

**06 13 23 00-0051 Heavy Timber Columns (06 13 23 00-0001)**

**06 13 23 00-0052 Pine, Heavy Timber Columns (06 13 23 00-0051)**

06 13 23 00-0053	LF		4" x 4", Pine, Heavy Timber Column .....	6.30	1.05
06 13 23 00-0054	LF		4" x 6", Pine, Heavy Timber Column .....	8.51	1.11
06 13 23 00-0055	LF		4" x 8", Pine, Heavy Timber Column .....	10.68	1.13
06 13 23 00-0056	LF		4" x 10", Pine, Heavy Timber Column .....	15.17	1.21
06 13 23 00-0057	LF		4" x 12", Pine, Heavy Timber Column .....	18.79	1.28
06 13 23 00-0058	LF		6" x 6", Pine, Heavy Timber Column .....	11.80	1.17
06 13 23 00-0059	LF		6" x 8", Pine, Heavy Timber Column .....	15.06	1.22
06 13 23 00-0060	LF		6" x 10", Pine, Heavy Timber Column .....	21.80	1.32
06 13 23 00-0061	LF		6" x 12", Pine, Heavy Timber Column .....	27.03	1.35
06 13 23 00-0062	LF		8" x 8", Pine, Heavy Timber Column .....	19.37	1.28
06 13 23 00-0063	LF		8" x 10", Pine, Heavy Timber Column .....	28.18	1.32
06 13 23 00-0064	LF		8" x 12", Pine, Heavy Timber Column .....	35.18	1.38
06 13 23 00-0065	LF		10" x 10", Pine, Heavy Timber Column .....	34.68	1.38
06 13 23 00-0066	LF		10" x 12", Pine, Heavy Timber Column .....	43.51	1.47
06 13 23 00-0067	LF		12" x 12", Pine, Heavy Timber Column .....	51.90	1.62

**06 13 23 00-0068 Douglas Fir, Heavy Timber Columns (06 13 23 00-0051)**

06 13 23 00-0069	LF		4" x 4", Douglas Fir, Heavy Timber Column .....	6.72	1.05
06 13 23 00-0070	LF		4" x 6", Douglas Fir, Heavy Timber Column .....	9.14	1.11
06 13 23 00-0071	LF		4" x 8", Douglas Fir, Heavy Timber Column .....	11.53	1.13
06 13 23 00-0072	LF		4" x 10", Douglas Fir, Heavy Timber Column .....	16.45	1.21
06 13 23 00-0073	LF		4" x 12", Douglas Fir, Heavy Timber Column .....	20.40	1.28
06 13 23 00-0074	LF		6" x 6", Douglas Fir, Heavy Timber Column .....	12.74	1.17
06 13 23 00-0075	LF		6" x 8", Douglas Fir, Heavy Timber Column .....	16.30	1.22
06 13 23 00-0076	LF		6" x 10", Douglas Fir, Heavy Timber Column .....	23.70	1.32
06 13 23 00-0077	LF		6" x 12", Douglas Fir, Heavy Timber Column .....	29.47	1.35
06 13 23 00-0078	LF		8" x 8", Douglas Fir, Heavy Timber Column .....	21.05	1.28
06 13 23 00-0079	LF		8" x 10", Douglas Fir, Heavy Timber Column .....	30.74	1.32
06 13 23 00-0080	LF		8" x 12", Douglas Fir, Heavy Timber Column .....	38.42	1.38
06 13 23 00-0081	LF		10" x 10", Douglas Fir, Heavy Timber Column .....	37.85	1.38
06 13 23 00-0082	LF		10" x 12", Douglas Fir, Heavy Timber Column .....	47.52	1.47
06 13 23 00-0083	LF		12" x 12", Douglas Fir, Heavy Timber Column .....	56.75	1.62

**06 13 23 00-0084 Pressure Treated, Heavy Timber Columns (06 13 23 00-0051)**

06 13 23 00-0085	LF		4" x 4", Pressure Treated, Heavy Timber Column .....	6.36	1.05
06 13 23 00-0086	LF		4" x 6", Pressure Treated, Heavy Timber Column .....	8.99	1.11
06 13 23 00-0087	LF		4" x 8", Pressure Treated, Heavy Timber Column .....	11.23	1.13
06 13 23 00-0088	LF		4" x 10", Pressure Treated, Heavy Timber Column .....	16.00	1.21
06 13 23 00-0089	LF		4" x 12", Pressure Treated, Heavy Timber Column .....	19.82	1.28
06 13 23 00-0090	LF		6" x 6", Pressure Treated, Heavy Timber Column .....	13.80	1.17
06 13 23 00-0091	LF		6" x 8", Pressure Treated, Heavy Timber Column .....	17.78	1.22
06 13 23 00-0092	LF		6" x 10", Pressure Treated, Heavy Timber Column .....	21.87	1.32
06 13 23 00-0093	LF		6" x 12", Pressure Treated, Heavy Timber Column .....	27.94	1.35
06 13 23 00-0094	LF		8" x 8", Pressure Treated, Heavy Timber Column .....	28.57	1.28
06 13 23 00-0095	LF		8" x 10", Pressure Treated, Heavy Timber Column .....	33.87	1.32
06 13 23 00-0096	LF		8" x 12", Pressure Treated, Heavy Timber Column .....	40.60	1.38
06 13 23 00-0097	LF		10" x 10", Pressure Treated, Heavy Timber Column .....	40.81	1.38
06 13 23 00-0098	LF		10" x 12", Pressure Treated, Heavy Timber Column .....	55.48	1.47
06 13 23 00-0099	LF		12" x 12", Pressure Treated, Heavy Timber Column .....	66.29	1.62

**06 15 Wood Decking (06 10)**

**06 15 13 Wood Floor Decking (06 15)**

**06 15 13 00-0001 Wood Deck Systems (06 15 13)**

Note: Includes the deck, joists, girders, railing posts 8' on-center, pickets and railing. Excludes ground posts.

**06 15 13 00-0002 Pressure Treated Wood Deck System (06 15 13 00-0001)**

**06 15 13 00-0003 2" x 8" Joists At 16" On Center, Pressure Treated Wood Deck System (06 15 13 00-0002)**

06 15 13 00-0004	SF		5/4" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System .....	43.15	6.93
06 15 13 00-0005	SF		5/4" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System .....	42.34	6.60
06 15 13 00-0006	SF		2" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System .....	45.14	7.11
06 15 13 00-0007	SF		2" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System .....	44.38	6.76

**06 15 13 00-0008 2" x 10" Joists At 16" On Center, Pressure Treated Wood Deck System (06 15 13 00-0002)**

06 15 13 00-0009	SF		5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System .....	44.88	7.11
06 15 13 00-0010	SF		5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System .....	44.02	6.75
06 15 13 00-0011	SF		2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System .....	46.89	7.30
06 15 13 00-0012	SF		2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center .....	46.12	6.92

**06 Wood, Plastics, and Composites****06 10 Rough Carpentry****06 15 Wood Decking**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0013			<b>2" x 10" Joists At 24" On Center, Pressure Treated Wood Deck System</b> (06 15 13 00-0002)		
06 15 13 00-0014	SF		5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System .....	43.15	6.93
06 15 13 00-0015	SF		5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System .....	42.34	6.60
06 15 13 00-0016	SF		2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System .....	45.14	7.11
06 15 13 00-0017	SF		2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System .....	44.38	6.76
06 15 13 00-0018			<b>Redwood With Pressure Treated Joists, Wood Deck System</b> (06 15 13 00-0001)		
06 15 13 00-0019			<b>2" x 8" Joists At 16" On Center, Redwood With Pressure Treated Joists, Wood Deck System</b> (06 15 13 00-0018)		
06 15 13 00-0020	SF		5/4" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System.....	48.19	6.93
06 15 13 00-0021	SF		5/4" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System.....	47.61	6.80
06 15 13 00-0022	SF		2" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System.....	51.46	7.11
06 15 13 00-0023	SF		2" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System.....	50.33	6.76
06 15 13 00-0024			<b>2" x 10" Joists At 16" On Center, Redwood With Pressure Treated Joists, Wood Deck System</b> (06 15 13 00-0018)		
06 15 13 00-0025	SF		5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System.....	52.79	7.11
06 15 13 00-0026	SF		5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System.....	52.16	6.75
06 15 13 00-0027	SF		2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System .....	56.34	7.30
06 15 13 00-0028	SF		2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System .....	55.25	6.92
06 15 13 00-0029			<b>2" x 10" Joists At 24" On Center, Redwood With Pressure Treated Joists, Wood Deck System</b> (06 15 13 00-0018)		
06 15 13 00-0030	SF		5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System.....	50.21	6.93
06 15 13 00-0031	SF		5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System.....	49.64	6.60
06 15 13 00-0032	SF		2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System .....	53.59	7.11
06 15 13 00-0033	SF		2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System .....	54.09	6.76
06 15 13 00-0034			<b>Cypress With Pressure Treated Joists, Wood Deck System</b> (06 15 13 00-0001)		
06 15 13 00-0035			<b>2" x 8" Joists At 16" On Center, Cypress With Pressure Treated Joists, Wood Deck System</b> (06 15 13 00-0034)		
06 15 13 00-0036	SF		5/4" x 4" Cypress Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System .....	45.90	6.93
06 15 13 00-0037	SF		5/4" x 6" Cypress Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System .....	45.23	6.60
06 15 13 00-0038	SF		2" x 4" Cypress Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System .....	48.88	7.11
06 15 13 00-0039	SF		2" x 6" Cypress Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System .....	47.71	6.76
06 15 13 00-0040			<b>2" x 10" Joists At 16" On Center, Cypress With Pressure Treated Joists, Wood Deck System</b> (06 15 13 00-0034)		
06 15 13 00-0041	SF		5/4" x 4" Cypress Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System.....	50.05	7.11
06 15 13 00-0042	SF		5/4" x 6" Cypress Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System.....	49.33	6.75
06 15 13 00-0043	SF		2" x 4" Cypress Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System.....	53.29	7.30
06 15 13 00-0044	SF		2" x 6" Cypress Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System.....	53.06	6.92
06 15 13 00-0045			<b>2" x 10" Joists At 24" On Center, Cypress With Pressure Treated Joists, Wood Deck System</b> (06 15 13 00-0034)		
06 15 13 00-0046	SF		5/4" x 4" Cypress Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System.....	49.24	6.93
06 15 13 00-0047	SF		5/4" x 6" Cypress Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System.....	47.02	6.60
06 15 13 00-0048	SF		2" x 4" Cypress Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System.....	50.80	7.11
06 15 13 00-0049	SF		2" x 6" Cypress Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System.....	50.51	6.76
06 15 13 00-0050			<b>Cedar With Pressure Treated Joists Wood Deck System</b> (06 15 13 00-0001)		
06 15 13 00-0051			<b>2" x 8" Joists At 16" On Center, Cedar With Pressure Treated Joists, Wood Deck System</b> (06 15 13 00-0050)		
06 15 13 00-0052	SF		5/4" x 4" Cedar Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System.....	44.97	6.93
06 15 13 00-0053	SF		5/4" x 6" Cedar Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System.....	44.23	6.60
06 15 13 00-0054	SF		2" x 4" Cedar Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System.....	47.11	7.11
06 15 13 00-0055	SF		2" x 6" Cedar Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System.....	46.44	6.76
06 15 13 00-0056			<b>2" x 10" Joists At 16" On Center, Cedar With Pressure Treated Joists, Wood Deck System</b> (06 15 13 00-0050)		
06 15 13 00-0057	SF		5/4" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System.....	46.85	7.11
06 15 13 00-0058	SF		5/4" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System.....	46.87	6.75
06 15 13 00-0059	SF		2" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System.....	48.99	7.30
06 15 13 00-0060	SF		2" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System.....	48.44	6.92
06 15 13 00-0061			<b>2" x 10" Joists At 24" On Center, Cedar With Pressure Treated Joists, Wood Deck System</b> (06 15 13 00-0050)		
06 15 13 00-0062	SF		5/4" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System.....	46.11	6.93

Table with columns: MINOR, CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include items like Cedar Decking, Wood Stair Systems, Pressure Treated Wood Stair System, and Redwood Decking with various joist specifications.

**06 Wood, Plastics, and Composites****06 10 Rough Carpentry****06 15 Wood Decking**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
06 15 13 00-0135	RSR 5' Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	200.95	20.26
06 15 13 00-0136	RSR 5' Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	199.87	19.25
<b>06 15 13 00-0137</b>	<b>Wood Deck And Ramp Systems Repairs</b> <small>(06 15 13)</small> Note: Includes removal of material and screws. Excludes anchors and bolts.		
<b>06 15 13 00-0138</b>	<b>Deck Joist Or Girt</b> <small>(06 15 13 00-0137)</small> See CSI section 06 11 16 00-0194 for treated wood joist replacement, 06 51 13 00-0012 for plastic/composite lumber joist replacement.		
<b>06 15 13 00-0139</b>	<b>Deck Boards</b> <small>(06 15 13 00-0137)</small> See CSI section 06 51 13 00-0035 for plastic/composite lumber decking replacement.		
06 15 13 00-0140	LF 5/4" x 4" Round Edge Pressure Treated Deck Boards.....	2.62	0.86
06 15 13 00-0141	LF 5/4" x 6" Round Edge Pressure Treated Deck Boards.....	2.84	1.02
06 15 13 00-0142	LF 2" x 4" Round Edge Pressure Treated Deck Boards.....	2.68	1.02
06 15 13 00-0143	LF 2" x 6" Round Edge Pressure Treated Deck Boards.....	3.68	1.18
06 15 13 00-0144	LF 2" x 8" Round Edge Pressure Treated Deck Boards.....	4.78	1.41
06 15 13 00-0145	LF 2" x 10" Round Edge Pressure Treated Deck Boards.....	5.87	1.72
06 15 13 00-0146	LF 2" x 12" Round Edge Pressure Treated Deck Boards.....	7.34	2.03
06 15 13 00-0147	LF 2" x 4" Round Edge Cedar Deck Boards.....	3.53	1.02
06 15 13 00-0148	LF 2" x 6" Round Edge Cedar Deck Boards.....	4.76	1.18
06 15 13 00-0149	LF 2" x 4" Round Edge Redwood Deck Boards.....	4.00	1.02
06 15 13 00-0150	LF 2" x 6" Round Edge Redwood Deck Boards.....	5.47	1.18
<b>06 15 13 00-0151</b>	<b>Deck Posts</b> <small>(06 15 13 00-0137)</small> See CSI section 06 11 16 00-0036 for treated wood post replacement, 06 51 13 00-0024 for plastic/composite lumber column replacement.		
<b>06 15 13 00-0152</b>	<b>Deck Railing And Pickets</b> <small>(06 15 13 00-0137)</small> See CSI section 06 51 13 00-0035 for plastic/composite lumber railing replacement.		
06 15 13 00-0153	LF 2" x 4" Pressure Treated Deck Railing.....	2.68	1.02
06 15 13 00-0154	LF 2" x 2" Pressure Treated Deck Railing Picket.....	2.01	0.78
06 15 13 00-0155	LF 2" x 4" Cedar Deck Railing.....	3.53	1.02
06 15 13 00-0156	LF 2" x 2" Cedar Deck Railing Picket.....	2.66	0.78
06 15 13 00-0157	LF 2" x 4" Redwood Deck Railing.....	4.00	1.02
06 15 13 00-0158	LF 2" x 2" Redwood Deck Railing Picket.....	3.01	0.78
<b>06 15 13 00-0159</b>	<b>Wood Ramp Systems</b> <small>(06 15 13)</small> Note: Includes the decking, joists, girders, railing posts at corners and along ramp, pickets and railing. Excludes ground posts.		
<b>06 15 13 00-0160</b>	<b>Pressure Treated Wood Ramp System</b> <small>(06 15 13 00-0159)</small>		
<b>06 15 13 00-0161</b>	<b>2" x 6" Joists, Pressure Treated Wood Ramp System</b> <small>(06 15 13 00-0160)</small>		
06 15 13 00-0162	SF 5/4" x 4" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	48.53	6.76
06 15 13 00-0163	SF 5/4" x 6" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	47.36	6.42
06 15 13 00-0164	SF 2" x 4" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	50.60	6.93
06 15 13 00-0165	SF 2" x 6" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	49.48	6.60
<b>06 15 13 00-0166</b>	<b>2" x 8" Joists, Pressure Treated Wood Ramp System</b> <small>(06 15 13 00-0160)</small>		
06 15 13 00-0167	SF 5/4" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	50.30	6.93
06 15 13 00-0168	SF 5/4" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	49.12	6.60
06 15 13 00-0169	SF 2" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	52.47	7.11
06 15 13 00-0170	SF 2" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	51.34	6.76
<b>06 15 13 00-0171</b>	<b>2" x 10" Joists, Pressure Treated Wood Ramp System</b> <small>(06 15 13 00-0160)</small>		
06 15 13 00-0172	SF 5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	52.17	7.11
06 15 13 00-0173	SF 5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	50.98	6.75
06 15 13 00-0174	SF 2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	54.40	7.30
06 15 13 00-0175	SF 2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	53.26	6.92
<b>06 15 13 00-0176</b>	<b>Redwood With Pressure Treated Joists, Wood Ramp System</b> <small>(06 15 13 00-0159)</small>		
<b>06 15 13 00-0177</b>	<b>2" x 6" Joists, Redwood With Pressure Treated Joists, Wood Ramp System</b> <small>(06 15 13 00-0176)</small>		
06 15 13 00-0178	SF 5/4" x 4" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	53.26	6.76
06 15 13 00-0179	SF 5/4" x 6" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	52.31	6.42
06 15 13 00-0180	SF 2" x 4" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	56.54	6.93
06 15 13 00-0181	SF 2" x 6" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	55.07	6.60
<b>06 15 13 00-0182</b>	<b>2" x 8" Joists, Redwood With Pressure Treated Joists, Wood Ramp System</b> <small>(06 15 13 00-0176)</small>		
06 15 13 00-0183	SF 5/4" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	55.34	6.93
06 15 13 00-0184	SF 5/4" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	54.39	6.60
06 15 13 00-0185	SF 2" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	58.79	7.11
06 15 13 00-0186	SF 2" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	57.29	6.76
<b>06 15 13 00-0187</b>	<b>2" x 10" Joists, Redwood With Pressure Treated Joists, Wood Ramp System</b> <small>(06 15 13 00-0176)</small>		
06 15 13 00-0188	SF 5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	60.11	7.11

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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06 15 13 00-0189	SF		5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	59.12	6.75
06 15 13 00-0190	SF		2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	63.86	7.30
06 15 13 00-0191	SF		2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	63.43	6.92

**06 15 13 00-0192 Cedar With Pressure Treated Joists, Wood Ramp System (06 15 13 00-0159)**

**06 15 13 00-0193 2" x 6" Joists, Cedar With Pressure Treated Joists, Wood Ramp System (06 15 13 00-0192)**

06 15 13 00-0194	SF		5/4" x 4" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System .....	50.20	6.76
06 15 13 00-0195	SF		5/4" x 6" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System .....	49.10	6.42
06 15 13 00-0196	SF		2" x 4" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System .....	52.42	6.93
06 15 13 00-0197	SF		2" x 6" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System .....	51.38	6.60

**06 15 13 00-0198 2" x 8" Joists, Cedar With Pressure Treated Joists, Wood Ramp System (06 15 13 00-0192)**

06 15 13 00-0199	SF		5/4" x 4" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System .....	52.08	6.93
06 15 13 00-0200	SF		5/4" x 6" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System .....	50.98	6.60
06 15 13 00-0201	SF		2" x 4" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System .....	54.41	7.11
06 15 13 00-0202	SF		2" x 6" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System .....	53.36	6.76

**06 15 13 00-0203 2" x 10" Joists, Cedar With Pressure Treated Joists, Wood Ramp System (06 15 13 00-0192)**

06 15 13 00-0204	SF		5/4" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System .....	54.11	7.11
06 15 13 00-0205	SF		5/4" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System .....	52.96	6.75
06 15 13 00-0206	SF		2" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System .....	56.46	7.30
06 15 13 00-0207	SF		2" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System .....	55.41	6.92

**06 16 Sheathing (06 10)**

**06 16 23 Subflooring (06 16)**

**06 16 23 00-0001 Board Type Subflooring (06 16 23)**

06 16 23 00-0002	SF		1" x 8" Regular Surface Board Type Subfloor.....	3.00	0.89
			Note: 4 Sides Laid In A Regular Pattern.		
			For Water Resistant Coating Or Treatment, Add	0.06	
			For Foil Backing, Add	0.10	
			For Tongue And Groove, Add	0.07	
06 16 23 00-0003	SF		1" x 8" Diagonal Surface Board Type Subfloor .....	3.37	1.12
			Note: 4 Sides Laid In A Diagonal Pattern.		
			For Water Resistant Coating Or Treatment, Add	0.06	
			For Foil Backing, Add	0.10	
			For Tongue And Groove, Add	0.07	
06 16 23 00-0004	SF		1" x 10" Regular Surface Board Type Subfloor .....	2.86	0.78
			Note: 4 sides laid in a regular pattern.		
			For Water Resistant Coating Or Treatment, Add	0.06	
			For Foil Backing, Add	0.10	
			For Tongue And Groove, Add	0.07	
06 16 23 00-0005	SF		1" x 10" Diagonal Surface Board Type Subfloor .....	3.12	0.89
			Note: 4 sides laid in a diagonal pattern.		
			For Water Resistant Coating Or Treatment, Add	0.06	
			For Foil Backing, Add	0.10	
			For Tongue And Groove, Add	0.07	

**06 16 33 Wood Board Sheathing (06 16)**

**06 16 33 00-0001 Plywood (06 16 33)**

**06 16 33 00-0002 Roof Decking (06 16 33 00-0001)**

06 16 33 00-0003	SF		3/8" Thick CDX Plywood Roof Decking .....	2.71	0.56
			Note: Applied to wood rafters.		
			For Shear Wall Construction, Add	0.26	
			For Exterior CC Grade Plywood, Add	0.21	
			For Application To Metal Studs, Joists, Or Rafters, Add	0.26	
			For ACQ Preservative Treatment, Add	0.67	
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	1.98	
			For Fire Retardant Treatment, Add	1.10	
			For >1,696 To 3,200, Deduct	-0.08	
			For >3,200 To 6,400, Deduct	-0.13	
			For >6,400 To 12,800, Deduct	-0.19	
			For >12,800, Deduct	-0.23	
06 16 33 00-0004	SF		1/2" Thick CDX Plywood Roof Decking .....	3.13	0.67
			Note: Applied to wood rafters.		
			For Shear Wall Construction, Add	0.29	
			For Exterior CC Grade Plywood, Add	0.25	
			For Application To Metal Studs, Joists, Or Rafters, Add	0.29	
			For ACQ Preservative Treatment, Add	0.81	
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.16	
			For Fire Retardant Treatment, Add	1.34	
			For >1,696 To 3,200, Deduct	-0.10	
			For >3,200 To 6,400, Deduct	-0.15	
			For >6,400 To 12,800, Deduct	-0.22	
			For >12,800, Deduct	-0.27	

**06 Wood, Plastics, and Composites****06 10 Rough Carpentry****06 16 Sheathing**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

06 16 33 00-0005	SF	5/8" Thick CDX Plywood Roof Decking.....	3.76	0.67
		Note: Applied to wood rafters.		
		For Shear Wall Construction, Add	0.31	
		For Exterior CC Grade Plywood, Add	0.33	
		For Application To Metal Studs, Joists, Or Rafters, Add	0.31	
		For ACQ Preservative Treatment, Add	1.07	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.31	
		For Fire Retardant Treatment, Add	1.75	
		For >1,696 To 3,200, Deduct	-0.13	
		For >3,200 To 6,400, Deduct	-0.20	
		For >6,400 To 12,800, Deduct	-0.28	
		For >12,800, Deduct	-0.34	
		For Tongue And Groove, Add	0.16	
06 16 33 00-0006	SF	3/4" Thick CDX Plywood Roof Decking.....	4.24	0.78
		Note: Applied to wood rafters.		
		For Shear Wall Construction, Add	0.33	
		For Exterior CC Grade Plywood, Add	0.39	
		For Application To Metal Studs, Joists, Or Rafters, Add	0.33	
		For ACQ Preservative Treatment, Add	1.23	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.51	
		For Fire Retardant Treatment, Add	2.03	
		For >1,696 To 3,200, Deduct	-0.15	
		For >3,200 To 6,400, Deduct	-0.23	
		For >6,400 To 12,800, Deduct	-0.32	
		For >12,800, Deduct	-0.39	
		For Tongue And Groove, Add	0.18	
06 16 33 00-0007	SF	1" Thick CDX Plywood Roof Decking.....	5.29	0.89
		Note: Applied to wood rafters.		
		For Shear Wall Construction, Add	0.36	
		For Exterior CC Grade Plywood, Add	0.52	
		For Application To Metal Studs, Joists, Or Rafters, Add	0.36	
		For ACQ Preservative Treatment, Add	1.67	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.73	
		For Fire Retardant Treatment, Add	2.74	
		For >1,696 To 3,200, Deduct	-0.21	
		For >3,200 To 6,400, Deduct	-0.31	
		For >6,400 To 12,800, Deduct	-0.43	
		For >12,800, Deduct	-0.51	
		For Tongue And Groove, Add	0.24	
<b>06 16 33 00-0008</b>		<b>Wall Sheathing</b> <small>(06 16 33 00-0001)</small>		
06 16 33 00-0009	SF	1/4" Interior BC Plywood Wall Sheathing.....	3.04	0.78
		Note: Applied to wall studs.		
		For Shear Wall Construction, Add	0.33	
		For Exterior CC Grade Plywood, Add	0.21	
		For Application To Metal Studs, Joists, Or Rafters, Add	0.33	
		For Ceiling Installation, Add	0.17	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.51	
		For Fire Retardant Treatment, Add	1.08	
		For >1,696 To 3,200, Deduct	-0.08	
		For >3,200 To 6,400, Deduct	-0.12	
		For >6,400 To 12,800, Deduct	-0.19	
		For >12,800, Deduct	-0.25	
06 16 33 00-0010	SF	5/16" Interior BC Plywood Wall Sheathing.....	3.11	0.78
		Note: Applied to wall studs.		
		For Shear Wall Construction, Add	0.33	
		For Exterior CC Grade Plywood, Add	0.22	
		For Application To Metal Studs, Joists, Or Rafters, Add	0.33	
		For Ceiling Installation, Add	0.17	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.51	
		For Fire Retardant Treatment, Add	1.14	
		For >1,696 To 3,200, Deduct	-0.09	
		For >3,200 To 6,400, Deduct	-0.13	
		For >6,400 To 12,800, Deduct	-0.20	
		For >12,800, Deduct	-0.26	
06 16 33 00-0011	SF	3/8" Interior BC Plywood Wall Sheathing.....	3.25	0.89
		Note: Applied to wall studs.		
		For Shear Wall Construction, Add	0.33	
		For Exterior CC Grade Plywood, Add	0.24	
		For Application To Metal Studs, Joists, Or Rafters, Add	0.33	
		For Ceiling Installation, Add	0.17	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.51	
		For Fire Retardant Treatment, Add	1.25	
		For >1,696 To 3,200, Deduct	-0.09	
		For >3,200 To 6,400, Deduct	-0.14	
		For >6,400 To 12,800, Deduct	-0.22	
		For >12,800, Deduct	-0.27	
06 16 33 00-0012	SF	1/2" Interior BC Plywood Wall Sheathing.....	3.76	0.89
		Note: Applied to wall studs.		
		For Shear Wall Construction, Add	0.36	
		For Exterior CC Grade Plywood, Add	0.30	
		For Application To Metal Studs, Joists, Or Rafters, Add	0.36	
		For Ceiling Installation, Add	0.18	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.67	
		For Fire Retardant Treatment, Add	1.56	
		For >1,696 To 3,200, Deduct	-0.12	
		For >3,200 To 6,400, Deduct	-0.18	
		For >6,400 To 12,800, Deduct	-0.26	
		For >12,800, Deduct	-0.33	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
06 16 33 00-0013	SF	5/8" Interior BC Plywood Wall Sheathing.....	4.44		1.01
		Note: Applied to wall studs.			
		For Shear Wall Construction, Add	0.38		
		For Exterior CC Grade Plywood, Add	0.38		
		For Application To Metal Studs, Joists, Or Rafters, Add	0.38		
		For Ceiling Installation, Add	0.19		
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.87		
		For Fire Retardant Treatment, Add	2.00		
		For >1,696 To 3,200, Deduct	-0.15		
		For >3,200 To 6,400, Deduct	-0.23		
		For >6,400 To 12,800, Deduct	-0.33		
		For >12,800, Deduct	-0.40		
06 16 33 00-0014	SF	3/4" Interior BC Plywood Wall Sheathing.....	4.94		1.12
		Note: Applied to wall studs.			
		For Shear Wall Construction, Add	0.41		
		For Exterior CC Grade Plywood, Add	0.43		
		For Application To Metal Studs, Joists, Or Rafters, Add	0.41		
		For Ceiling Installation, Add	0.21		
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	3.09		
		For Fire Retardant Treatment, Add	2.28		
		For >1,696 To 3,200, Deduct	-0.17		
		For >3,200 To 6,400, Deduct	-0.26		
		For >6,400 To 12,800, Deduct	-0.37		
		For >12,800, Deduct	-0.45		
06 16 33 00-0015		<b>Floor Decking</b> <small>(06 16 33 00-0001)</small>			
		Note: Includes patching of seams and all fastener holes where necessary.			
06 16 33 00-0016	SF	5/16" CD Grade Plywood Floor Decking.....	2.36		0.67
		Note: Applied to floor or joists.			
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	1.89		
		For Fire Retardant Treatment, Add	0.87		
		For >1,696 To 3,200, Deduct	-0.07		
		For >3,200 To 6,400, Deduct	-0.10		
		For >6,400 To 12,800, Deduct	-0.15		
		For >12,800, Deduct	-0.20		
		For ACQ Preservative Treatment, Add	0.53		
		For Fir Plywood, Add	0.20		
		For BC Grade Plywood, Add	0.16		
		For Exterior Glue, Add	0.10		
		For Marine Grade, Add	0.86		
06 16 33 00-0017	SF	3/8" CD Grade Plywood Floor Decking.....	2.46		0.67
		Note: Applied to floor or joists.			
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	1.98		
		For Fire Retardant Treatment, Add	0.90		
		For >1,696 To 3,200, Deduct	-0.07		
		For >3,200 To 6,400, Deduct	-0.10		
		For >6,400 To 12,800, Deduct	-0.16		
		For >12,800, Deduct	-0.20		
		For ACQ Preservative Treatment, Add	0.55		
		For Fir Plywood, Add	0.21		
		For BC Grade Plywood, Add	0.17		
		For Exterior Glue, Add	0.11		
		For Marine Grade, Add	0.89		
06 16 33 00-0018	SF	1/2" CD Grade Plywood Floor Decking.....	2.91		0.67
		Note: Applied to floor or joists.			
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.10		
		For Fire Retardant Treatment, Add	1.19		
		For >1,696 To 3,200, Deduct	-0.09		
		For >3,200 To 6,400, Deduct	-0.14		
		For >6,400 To 12,800, Deduct	-0.20		
		For >12,800, Deduct	-0.25		
		For ACQ Preservative Treatment, Add	0.72		
		For Fir Plywood, Add	0.28		
		For BC Grade Plywood, Add	0.22		
		For Exterior Glue, Add	0.14		
		For Marine Grade, Add	1.18		
06 16 33 00-0019	SF	5/8" CD Grade Plywood Floor Decking.....	3.44		0.67
		Note: Applied to floor or joists.			
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.28		
		For Fire Retardant Treatment, Add	1.52		
		For >1,696 To 3,200, Deduct	-0.12		
		For >3,200 To 6,400, Deduct	-0.17		
		For >6,400 To 12,800, Deduct	-0.25		
		For >12,800, Deduct	-0.31		
		For ACQ Preservative Treatment, Add	0.92		
		For Fir Plywood, Add	0.36		
		For BC Grade Plywood, Add	0.28		
		For Exterior Glue, Add	0.18		
		For Marine Grade, Add	1.50		

**06 Wood, Plastics, and Composites****06 10 Rough Carpentry****06 16 Sheathing**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

06 16 33 00-0020	SF	3/4" CD Grade Plywood Floor Decking.....	4.07	0.67
		Note: Applied to floor or joists.		
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.42	
		For Fire Retardant Treatment, Add	1.94	
		For >1,696 To 3,200, Deduct	-0.15	
		For >3,200 To 6,400, Deduct	-0.22	
		For >6,400 To 12,800, Deduct	-0.31	
		For >12,800, Deduct	-0.38	
		For ACQ Preservative Treatment, Add	1.18	
		For Fir Plywood, Add	0.46	
		For BC Grade Plywood, Add	0.36	
		For Exterior Glue, Add	0.23	
		For Marine Grade, Add	1.93	
06 16 33 00-0021	SF	1-1/8" CD Grade Plywood Floor Decking.....	6.57	1.01
		Note: Applied to floor or joists.		
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.88	
		For Fire Retardant Treatment, Add	3.67	
		For >1,696 To 3,200, Deduct	-0.28	
		For >3,200 To 6,400, Deduct	-0.42	
		For >6,400 To 12,800, Deduct	-0.56	
		For >12,800, Deduct	-0.65	
		For ACQ Preservative Treatment, Add	2.23	
		For Fir Plywood, Add	0.86	
		For BC Grade Plywood, Add	0.69	
		For Exterior Glue, Add	0.43	
		For Marine Grade, Add	3.64	
06 16 33 00-0022	SF	1/2" AC Fir Plywood Floor Decking.....	3.81	0.67
		Note: Applied to floor or joists.		
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.10	
		For Fire Retardant Treatment, Add	1.90	
		For >1,696 To 3,200, Deduct	-0.14	
		For >3,200 To 6,400, Deduct	-0.22	
		For >6,400 To 12,800, Deduct	-0.30	
		For >12,800, Deduct	-0.36	
		For ACQ Preservative Treatment, Add	1.16	
		For Exterior Glue, Add	0.22	
		For Marine Grade, Add	1.89	
		For Tongue And Groove, Add	0.17	
06 16 33 00-0023	SF	5/8" AC Fir Plywood Floor Decking.....	4.51	0.67
		Note: Applied to floor or joists.		
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.28	
		For Fire Retardant Treatment, Add	2.36	
		For >1,696 To 3,200, Deduct	-0.18	
		For >3,200 To 6,400, Deduct	-0.27	
		For >6,400 To 12,800, Deduct	-0.37	
		For >12,800, Deduct	-0.43	
		For ACQ Preservative Treatment, Add	1.44	
		For Exterior Glue, Add	0.28	
		For Marine Grade, Add	2.34	
		For Tongue And Groove, Add	0.21	
06 16 33 00-0024	SF	3/4" AC Fir Plywood Floor Decking.....	4.86	0.67
		Note: Applied to floor or joists.		
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.43	
		For Fire Retardant Treatment, Add	2.56	
		For >1,696 To 3,200, Deduct	-0.19	
		For >3,200 To 6,400, Deduct	-0.29	
		For >6,400 To 12,800, Deduct	-0.40	
		For >12,800, Deduct	-0.47	
		For ACQ Preservative Treatment, Add	1.56	
		For Exterior Glue, Add	0.30	
		For Marine Grade, Add	2.54	
		For Tongue And Groove, Add	0.23	
06 16 33 00-0025		<b>Underlayment Grade</b> (06 16 33 00-0001)		
		Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0026	SF	1/4" Thick Plywood Underlayment BC Grade.....	2.59	0.67
		For Fire Retardant Treatment, Add	1.03	
		For >1,696 To 3,200, Deduct	-0.08	
		For >3,200 To 6,400, Deduct	-0.12	
		For >6,400 To 12,800, Deduct	-0.15	
		For >12,800, Deduct	-0.22	
06 16 33 00-0027	SF	3/8" Thick Plywood Underlayment BC Grade.....	2.78	0.67
		For Fire Retardant Treatment, Add	1.12	
		For >1,696 To 3,200, Deduct	-0.09	
		For >3,200 To 6,400, Deduct	-0.13	
		For >6,400 To 12,800, Deduct	-0.16	
		For >12,800, Deduct	-0.24	
06 16 33 00-0028	SF	1/2" Thick Plywood Underlayment BC Grade.....	2.92	0.78
		For Fire Retardant Treatment, Add	1.22	
		For >1,696 To 3,200, Deduct	-0.09	
		For >3,200 To 6,400, Deduct	-0.14	
		For >6,400 To 12,800, Deduct	-0.17	
		For >12,800, Deduct	-0.25	
06 16 33 00-0029	SF	5/8" Thick Plywood Underlayment BC Grade.....	3.37	0.78
		For Fire Retardant Treatment, Add	1.45	
		For >1,696 To 3,200, Deduct	-0.11	
		For >3,200 To 6,400, Deduct	-0.16	
		For >6,400 To 12,800, Deduct	-0.20	
		For >12,800, Deduct	-0.30	
		For Tongue And Groove, Add	0.13	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0030	SF		3/4" Thick Plywood Underlayment BC Grade .....	3.76	0.78
			For Fire Retardant Treatment, Add	1.75	
			For >1,696 To 3,200, Deduct	-0.13	
			For >3,200 To 6,400, Deduct	-0.20	
			For >6,400 To 12,800, Deduct	-0.24	
			For >12,800, Deduct	-0.34	
			For Tongue And Groove, Add	0.16	
06 16 33 00-0031	SF		1-1/8" Thick Plywood Underlayment BC Grade .....	5.11	0.89
			For Fire Retardant Treatment, Add	2.67	
			For >1,696 To 3,200, Deduct	-0.20	
			For >3,200 To 6,400, Deduct	-0.30	
			For >6,400 To 12,800, Deduct	-0.35	
			For >12,800, Deduct	-0.49	
			For Tongue And Groove, Add	0.24	
06 16 33 00-0032	SF		3/8" Thick CDX Plywood Underlayment Grade .....	3.10	0.67
			For Fire Retardant Treatment, Add	1.37	
			For >1,696 To 3,200, Deduct	-0.10	
			For >3,200 To 6,400, Deduct	-0.16	
			For >6,400 To 12,800, Deduct	-0.19	
			For >12,800, Deduct	-0.28	
06 16 33 00-0033	SF		5/8" Thick CDX Plywood Underlayment Grade .....	4.15	0.78
			For Fire Retardant Treatment, Add	2.08	
			For >1,696 To 3,200, Deduct	-0.16	
			For >3,200 To 6,400, Deduct	-0.24	
			For >6,400 To 12,800, Deduct	-0.27	
			For >12,800, Deduct	-0.39	
<b>06 16 33 00-0034</b>			<b>Oriented Strand Board</b> <small>(06 16 33)</small>		
<b>06 16 33 00-0035</b>			<b>On Roof</b> <small>(06 16 33 00-0034)</small>		
06 16 33 00-0036	SF		3/8" Thick Structural Oriented Strand Board (OSB) On Roof .....	2.37	0.67
			For >1,408 To 3,200, Deduct	-0.06	
			For >3,200 To 6,400, Deduct	-0.09	
			For >6,400 To 12,800, Deduct	-0.15	
			For >12,800, Deduct	-0.19	
			For Fire Retardant Treatment, Add	0.83	
			For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	1.98	
06 16 33 00-0037	SF		1/2" Thick Structural Oriented Strand Board (OSB) On Roof .....	2.66	0.67
			For >1,408 To 3,200, Deduct	-0.07	
			For >3,200 To 6,400, Deduct	-0.11	
			For >6,400 To 12,800, Deduct	-0.17	
			For >12,800, Deduct	-0.22	
			For Fire Retardant Treatment, Add	0.97	
			For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	2.15	
06 16 33 00-0038	SF		5/8" Thick Structural Oriented Strand Board (OSB) On Roof .....	3.33	0.78
			For >1,408 To 3,200, Deduct	-0.11	
			For >3,200 To 6,400, Deduct	-0.16	
			For >6,400 To 12,800, Deduct	-0.24	
			For >12,800, Deduct	-0.29	
			For Fire Retardant Treatment, Add	1.41	
			For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	2.31	
06 16 33 00-0039	SF		3/4" Thick Structural Oriented Strand Board (OSB) On Roof .....	4.04	0.78
			For >1,408 To 3,200, Deduct	-0.14	
			For >3,200 To 6,400, Deduct	-0.21	
			For >6,400 To 12,800, Deduct	-0.30	
			For >12,800, Deduct	-0.37	
			For Fire Retardant Treatment, Add	1.87	
			For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	2.51	
<b>06 16 33 00-0040</b>			<b>On Walls</b> <small>(06 16 33 00-0034)</small>		
06 16 33 00-0041	SF		3/8" Thick Structural Oriented Strand Board (OSB) On Walls .....	2.72	0.78
			For >1,408 To 3,200, Deduct	-0.06	
			For >3,200 To 6,400, Deduct	-0.09	
			For >6,400 To 12,800, Deduct	-0.16	
			For >12,800, Deduct	-0.21	
			For Fire Retardant Treatment, Add	0.83	
			For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	2.51	
06 16 33 00-0042	SF		1/2" Thick Structural Oriented Strand Board (OSB) On Walls .....	3.01	0.89
			For >1,408 To 3,200, Deduct	-0.07	
			For >3,200 To 6,400, Deduct	-0.11	
			For >6,400 To 12,800, Deduct	-0.18	
			For >12,800, Deduct	-0.24	
			For Fire Retardant Treatment, Add	0.97	
			For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	2.67	
06 16 33 00-0043	SF		5/8" Thick Structural Oriented Strand Board (OSB) On Walls .....	3.70	1.01
			For >1,408 To 3,200, Deduct	-0.11	
			For >3,200 To 6,400, Deduct	-0.16	
			For >6,400 To 12,800, Deduct	-0.24	
			For >12,800, Deduct	-0.31	
			For Fire Retardant Treatment, Add	1.41	
			For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	2.87	
06 16 33 00-0044	SF		3/4" Thick Structural Oriented Strand Board (OSB) On Walls .....	4.43	1.01
			For >1,408 To 3,200, Deduct	-0.14	
			For >3,200 To 6,400, Deduct	-0.21	
			For >6,400 To 12,800, Deduct	-0.31	
			For >12,800, Deduct	-0.39	
			For Fire Retardant Treatment, Add	1.87	
			For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	3.09	

**06 Wood, Plastics, and Composites****06 10 Rough Carpentry****06 16 Sheathing**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

		TOTAL DIRECT	DEMOLITION
		UNIT COST	UNIT COST
<b>06 16 33 00-0045 On Floors</b> <small>(06 16 33 00-0034)</small>			
Note: Includes patching of seams and all fastener holes where necessary.			
06 16 33 00-0046	SF 3/8" Thick Structural Oriented Strand Board (OSB) On Floors .....	2.39	0.67
	For >1,408 To 3,200, Deduct	-0.06	
	For >3,200 To 6,400, Deduct	-0.09	
	For >6,400 To 12,800, Deduct	-0.15	
	For >12,800, Deduct	-0.19	
	For Fire Retardant Treatment, Add	0.83	
	For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	2.01	
06 16 33 00-0047	SF 1/2" Thick Structural Oriented Strand Board (OSB) On Floors .....	2.85	0.78
	For >1,408 To 3,200, Deduct	-0.07	
	For >3,200 To 6,400, Deduct	-0.11	
	For >6,400 To 12,800, Deduct	-0.18	
	For >12,800, Deduct	-0.23	
	For Fire Retardant Treatment, Add	0.97	
	For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	2.43	
06 16 33 00-0048	SF 5/8" Thick Structural Oriented Strand Board (OSB) On Floors .....	3.55	0.89
	For >1,408 To 3,200, Deduct	-0.11	
	For >3,200 To 6,400, Deduct	-0.16	
	For >6,400 To 12,800, Deduct	-0.24	
	For >12,800, Deduct	-0.30	
	For Fire Retardant Treatment, Add	1.41	
	For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	2.64	
06 16 33 00-0049	SF 3/4" Thick Structural Oriented Strand Board (OSB) On Floors .....	4.28	1.01
	For >1,408 To 3,200, Deduct	-0.14	
	For >3,200 To 6,400, Deduct	-0.21	
	For >6,400 To 12,800, Deduct	-0.31	
	For >12,800, Deduct	-0.38	
	For Fire Retardant Treatment, Add	1.87	
	For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	2.87	
<b>06 16 33 00-0050 Particle Board</b> <small>(06 16 33)</small>			
<b>06 16 33 00-0051 Particle Board Floor Decking</b> <small>(06 16 33 00-0050)</small>			
Note: Includes patching of seams and all fastener holes where necessary.			
06 16 33 00-0052	SF 3/8" Particle Board Floor Decking .....	1.80	0.56
	Note: Applied to plywood subfloor.		
	For Fire Retardant Treatment Add	0.38	
	For >1,536 To 3,200, Deduct	-0.03	
	For >3,200 To 6,400, Deduct	-0.04	
	For >6,400 To 12,800, Deduct	-0.09	
	For >12,800, Deduct	-0.12	
	For Tongue And Groove, Add	0.03	
06 16 33 00-0053	SF 1/2" Particle Board Floor Decking .....	2.04	0.56
	Note: Applied to plywood subfloor.		
	For Fire Retardant Treatment Add	0.51	
	For >1,536 To 3,200, Deduct	-0.04	
	For >3,200 To 6,400, Deduct	-0.06	
	For >6,400 To 12,800, Deduct	-0.11	
	For >12,800, Deduct	-0.15	
	For Tongue And Groove, Add	0.05	
06 16 33 00-0054	SF 5/8" Particle Board Floor Decking .....	2.29	0.67
	Note: Applied to plywood subfloor.		
	For Fire Retardant Treatment Add	0.65	
	For >1,536 To 3,200, Deduct	-0.05	
	For >3,200 To 6,400, Deduct	-0.07	
	For >6,400 To 12,800, Deduct	-0.13	
	For >12,800, Deduct	-0.17	
	For Tongue And Groove, Add	0.06	
06 16 33 00-0055	SF 3/4" Particle Board Floor Decking .....	2.52	0.67
	Note: Applied to plywood subfloor.		
	For Fire Retardant Treatment Add	0.76	
	For >1,536 To 3,200, Deduct	-0.06	
	For >3,200 To 6,400, Deduct	-0.09	
	For >6,400 To 12,800, Deduct	-0.14	
	For >12,800, Deduct	-0.19	
	For Tongue And Groove, Add	0.07	
<b>06 16 43 Gypsum Sheathing</b> <small>(06 16)</small>			
<b>06 16 43 00-0001 Exterior Gypsum Sheathing</b> <small>(06 16 43)</small>			
Note: Includes moisture resistant core and fiberglass mats on both sides and long edges.			
06 16 43 00-0002	SF 1/2" Exterior Gypsum Sheathing (GP Dens-Glass Gold) .....	2.69	0.89
	For Application To Metal Studs, Joists, Or Rafters, Add	0.36	
	For Ceiling Installation, Add	0.18	
	For >1,696 To 3,200, Deduct	-0.05	
	For >3,200 To 6,400, Deduct	-0.08	
	For >6,400 To 12,800, Deduct	-0.14	
	For >12,800, Deduct	-0.20	
	For Selective Replacement <400 (Includes Removal Of Damaged Gypsum And Fitting New Gypsum To Size), Add	2.67	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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06 16 43 00-0003	SF		5/8" Exterior Gypsum Sheathing (GP Dens-Glass Gold).....	2.90	1.12
			<i>For Application To Metal Studs, Joists, Or Rafters, Add</i>	0.38	
			<i>For Ceiling Installation, Add</i>	0.19	
			<i>For &gt;1,696 To 3,200, Deduct</i>	-0.06	
			<i>For &gt;3,200 To 6,400, Deduct</i>	-0.09	
			<i>For &gt;6,400 To 12,800, Deduct</i>	-0.16	
			<i>For &gt;12,800, Deduct</i>	-0.21	
			<i>For Selective Replacement &lt;400 (Includes Removal Of Damaged Gypsum And Fitting New Gypsum To Size), Add</i>	2.87	

**06 17 Shop-Fabricated Structural Wood (06 10)**

**06 17 13 Laminated Veneer Lumber (06 17)**

**06 17 13 00-0001 Laminated Veneer Lumber (LVL) (06 17 13)**

06 17 13 00-0002	LF		1-3/4" Wide x 5-1/2" Deep Laminated Veneer Lumber (LVL).....	10.70	1.93
06 17 13 00-0003	LF		1-3/4" Wide x 7-1/4" Deep Laminated Veneer Lumber (LVL).....	11.98	1.96
06 17 13 00-0004	LF		1-3/4" Wide x 9-1/2" Deep Laminated Veneer Lumber (LVL).....	13.47	2.00
06 17 13 00-0005	LF		1-3/4" Wide x 11-7/8" Deep Laminated Veneer Lumber (LVL).....	15.36	2.03
06 17 13 00-0006	LF		1-3/4" Wide x 14" Deep Laminated Veneer Lumber (LVL).....	16.77	2.06
06 17 13 00-0007	LF		1-3/4" Wide x 16" Deep Laminated Veneer Lumber (LVL).....	18.71	2.13
06 17 13 00-0008	LF		1-3/4" Wide x 18" Deep Laminated Veneer Lumber (LVL).....	21.58	2.16
06 17 13 00-0009	LF		1-3/4" Wide x 24" Deep Laminated Veneer Lumber (LVL).....	30.33	2.46

**06 17 23 Parallel Strand Lumber (06 17)**

**06 17 23 00-0001 Laminated Strand Lumber (LSL) (06 17 23)**

06 17 23 00-0002	LF		2" x 4" Laminated Strand Lumber (LSL).....	3.75	0.89
06 17 23 00-0003	LF		2" x 6" Laminated Strand Lumber (LSL).....	5.35	0.96

**06 17 33 Wood I-Joists (06 17)**

**06 17 33 00-0001 Prefabricated Wood I-Joists (06 17 33)**

06 17 33 00-0002	LF		9-1/2" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length.....	6.54	1.26
			<i>For I-Joists 30' To 40' In Length, Add</i>	0.55	
			<i>For I-Joists &gt;40' In Length, Add</i>	1.35	
06 17 33 00-0003	LF		11-7/8" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length.....	6.97	1.40
			<i>For I-Joists 30' To 40' In Length, Add</i>	0.62	
			<i>For I-Joists &gt;40' In Length, Add</i>	1.51	
06 17 33 00-0004	LF		14" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length.....	8.27	1.57
			<i>For I-Joists 30' To 40' In Length, Add</i>	0.69	
			<i>For I-Joists &gt;40' In Length, Add</i>	1.70	
06 17 33 00-0005	LF		16" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length.....	9.34	1.75
			<i>For I-Joists 30' To 40' In Length, Add</i>	0.77	
			<i>For I-Joists &gt;40' In Length, Add</i>	1.88	

**06 17 43 Rim Boards (06 17)**

**06 17 43 00-0001 Oriented Strand Board (OSB) Rim Board (06 17 43)**

06 17 43 00-0002	LF		1-1/8" Wide x 9-1/2" Deep, Oriented Strand Board (OSB) Rim Board.....	8.04	2.00
06 17 43 00-0003	LF		1-1/8" Wide x 11-7/8" Deep, Oriented Strand Board (OSB) Rim Board.....	9.02	2.03
06 17 43 00-0004	LF		1-1/8" Wide x 14" Deep, Oriented Strand Board (OSB) Rim Board.....	10.21	2.06

**06 17 53 Shop-Fabricated Wood Trusses (06 17)**

Note: Includes temporary and permanent bracing, and fastening with truss tie-downs.

**06 17 53 00-0001 Pre-Assembled Wood Roof Trusses (06 17 53)**

Note: For King Post, Queen Post, Fink or Howe types. Includes 2" x 4" top and bottom chords up to 42' and with 2" x 6" top and bottom chords >42'.

06 17 53 00-0002	EA		10' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	221.09	73.41
			<i>For Up To 15, Add</i>	5.57	
			<i>For &gt;35, Deduct</i>	-3.71	
			<i>For 3 In 12 Slope, Add</i>	2.23	
			<i>For 5 In 12 Slope, Add</i>	5.94	
			<i>For 6 In 12 Slope, Add</i>	11.14	
			<i>For 7 In 12 Slope, Add</i>	14.85	
			<i>For 8 In 12 Slope, Add</i>	17.82	
06 17 53 00-0003	EA		12' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	247.53	80.39
			<i>For Up To 15, Add</i>	6.50	
			<i>For &gt;35, Deduct</i>	-4.34	
			<i>For 3 In 12 Slope, Add</i>	2.60	
			<i>For 5 In 12 Slope, Add</i>	6.94	
			<i>For 6 In 12 Slope, Add</i>	13.01	
			<i>For 7 In 12 Slope, Add</i>	17.35	
			<i>For 8 In 12 Slope, Add</i>	20.82	
06 17 53 00-0004	EA		14' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	279.15	87.39
			<i>For Up To 15, Add</i>	7.83	
			<i>For &gt;35, Deduct</i>	-5.22	
			<i>For 3 In 12 Slope, Add</i>	3.13	
			<i>For 5 In 12 Slope, Add</i>	8.35	
			<i>For 6 In 12 Slope, Add</i>	15.66	
			<i>For 7 In 12 Slope, Add</i>	20.87	
			<i>For 8 In 12 Slope, Add</i>	25.05	

**06 Wood, Plastics, and Composites****06 10 Rough Carpentry****06 17 Shop-Fabricated Structural Wood**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

06 17 53 00-0005	EA	16'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	324.38	94.39
			<i>For Up To 15, Add</i>	10.17	
			<i>For &gt;35, Deduct</i>	-6.78	
			<i>For 3 In 12 Slope, Add</i>	4.07	
			<i>For 5 In 12 Slope, Add</i>	10.85	
			<i>For 6 In 12 Slope, Add</i>	20.34	
			<i>For 7 In 12 Slope, Add</i>	27.12	
			<i>For 8 In 12 Slope, Add</i>	32.55	
06 17 53 00-0006	EA	18'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	361.79	101.37
			<i>For Up To 15, Add</i>	11.93	
			<i>For &gt;35, Deduct</i>	-7.95	
			<i>For 3 In 12 Slope, Add</i>	4.77	
			<i>For 5 In 12 Slope, Add</i>	12.72	
			<i>For 6 In 12 Slope, Add</i>	23.86	
			<i>For 7 In 12 Slope, Add</i>	31.81	
			<i>For 8 In 12 Slope, Add</i>	38.17	
06 17 53 00-0007	EA	20'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	372.23	111.86
			<i>For Up To 15, Add</i>	11.14	
			<i>For &gt;35, Deduct</i>	-7.43	
			<i>For 3 In 12 Slope, Add</i>	4.46	
			<i>For 5 In 12 Slope, Add</i>	11.88	
			<i>For 6 In 12 Slope, Add</i>	22.28	
			<i>For 7 In 12 Slope, Add</i>	29.70	
			<i>For 8 In 12 Slope, Add</i>	35.64	
06 17 53 00-0008	EA	22'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	390.54	178.27
			<i>For Up To 15, Add</i>	11.46	
			<i>For &gt;35, Deduct</i>	-7.64	
			<i>For 3 In 12 Slope, Add</i>	4.59	
			<i>For 5 In 12 Slope, Add</i>	12.23	
			<i>For 6 In 12 Slope, Add</i>	22.93	
			<i>For 7 In 12 Slope, Add</i>	30.57	
			<i>For 8 In 12 Slope, Add</i>	36.68	
06 17 53 00-0009	EA	24'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	417.48	125.84
			<i>For Up To 15, Add</i>	12.44	
			<i>For &gt;35, Deduct</i>	-8.29	
			<i>For 3 In 12 Slope, Add</i>	4.97	
			<i>For 5 In 12 Slope, Add</i>	13.26	
			<i>For 6 In 12 Slope, Add</i>	24.87	
			<i>For 7 In 12 Slope, Add</i>	33.16	
			<i>For 8 In 12 Slope, Add</i>	39.79	
06 17 53 00-0010	EA	26'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	445.82	199.25
			<i>For Up To 15, Add</i>	13.51	
			<i>For &gt;35, Deduct</i>	-9.01	
			<i>For 3 In 12 Slope, Add</i>	5.40	
			<i>For 5 In 12 Slope, Add</i>	14.41	
			<i>For 6 In 12 Slope, Add</i>	27.02	
			<i>For 7 In 12 Slope, Add</i>	36.03	
			<i>For 8 In 12 Slope, Add</i>	43.24	
06 17 53 00-0011	EA	28'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	476.04	139.82
			<i>For Up To 15, Add</i>	14.73	
			<i>For &gt;35, Deduct</i>	-9.82	
			<i>For 3 In 12 Slope, Add</i>	5.89	
			<i>For 5 In 12 Slope, Add</i>	15.71	
			<i>For 6 In 12 Slope, Add</i>	29.46	
			<i>For 7 In 12 Slope, Add</i>	39.28	
			<i>For 8 In 12 Slope, Add</i>	47.13	
06 17 53 00-0012	EA	30'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	496.25	220.23
			<i>For Up To 15, Add</i>	15.20	
			<i>For &gt;35, Deduct</i>	-10.13	
			<i>For 3 In 12 Slope, Add</i>	6.08	
			<i>For 5 In 12 Slope, Add</i>	16.21	
			<i>For 6 In 12 Slope, Add</i>	30.39	
			<i>For 7 In 12 Slope, Add</i>	40.52	
			<i>For 8 In 12 Slope, Add</i>	48.63	
06 17 53 00-0013	EA	32'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	523.49	150.31
			<i>For Up To 15, Add</i>	16.72	
			<i>For &gt;35, Deduct</i>	-11.14	
			<i>For 3 In 12 Slope, Add</i>	6.69	
			<i>For 5 In 12 Slope, Add</i>	17.83	
			<i>For 6 In 12 Slope, Add</i>	33.43	
			<i>For 7 In 12 Slope, Add</i>	44.57	
			<i>For 8 In 12 Slope, Add</i>	53.49	
06 17 53 00-0014	EA	34'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	581.83	236.02
			<i>For Up To 15, Add</i>	20.04	
			<i>For &gt;35, Deduct</i>	-13.36	
			<i>For 3 In 12 Slope, Add</i>	8.02	
			<i>For 5 In 12 Slope, Add</i>	21.38	
			<i>For 6 In 12 Slope, Add</i>	40.08	
			<i>For 7 In 12 Slope, Add</i>	53.45	
			<i>For 8 In 12 Slope, Add</i>	64.14	
06 17 53 00-0015	EA	36'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	609.87	160.80
			<i>For Up To 15, Add</i>	21.62	
			<i>For &gt;35, Deduct</i>	-14.41	
			<i>For 3 In 12 Slope, Add</i>	8.65	
			<i>For 5 In 12 Slope, Add</i>	23.06	
			<i>For 6 In 12 Slope, Add</i>	43.24	
			<i>For 7 In 12 Slope, Add</i>	57.65	
			<i>For 8 In 12 Slope, Add</i>	69.18	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0016	EA		38' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	643.53	251.68
			For Up To 15, Add	23.10	
			For >35, Deduct	-15.40	
			For 3 In 12 Slope, Add	9.24	
			For 5 In 12 Slope, Add	24.64	
			For 6 In 12 Slope, Add	46.19	
			For 7 In 12 Slope, Add	61.59	
			For 8 In 12 Slope, Add	73.91	
06 17 53 00-0017	EA		40' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	664.11	174.78
			For Up To 15, Add	23.59	
			For >35, Deduct	-15.73	
			For 3 In 12 Slope, Add	9.44	
			For 5 In 12 Slope, Add	25.16	
			For 6 In 12 Slope, Add	47.18	
			For 7 In 12 Slope, Add	62.91	
			For 8 In 12 Slope, Add	75.49	
06 17 53 00-0018	EA		42' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	744.60	272.66
			For Up To 15, Add	28.58	
			For >35, Deduct	-19.05	
			For 3 In 12 Slope, Add	11.43	
			For 5 In 12 Slope, Add	30.48	
			For 6 In 12 Slope, Add	57.16	
			For 7 In 12 Slope, Add	76.21	
			For 8 In 12 Slope, Add	91.45	
06 17 53 00-0019	EA		44' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	823.29	188.76
			For Up To 15, Add	33.43	
			For >35, Deduct	-22.29	
			For 3 In 12 Slope, Add	13.37	
			For 5 In 12 Slope, Add	35.66	
			For 6 In 12 Slope, Add	66.87	
			For 7 In 12 Slope, Add	89.15	
			For 8 In 12 Slope, Add	106.98	
06 17 53 00-0020	EA		46' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	851.64	195.76
			For Up To 15, Add	34.51	
			For >35, Deduct	-23.01	
			For 3 In 12 Slope, Add	13.80	
			For 5 In 12 Slope, Add	36.81	
			For 6 In 12 Slope, Add	69.02	
			For 7 In 12 Slope, Add	92.03	
			For 8 In 12 Slope, Add	110.43	
06 17 53 00-0021	EA		48' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	897.34	202.74
			For Up To 15, Add	36.89	
			For >35, Deduct	-24.59	
			For 3 In 12 Slope, Add	14.76	
			For 5 In 12 Slope, Add	39.35	
			For 6 In 12 Slope, Add	73.78	
			For 7 In 12 Slope, Add	98.37	
			For 8 In 12 Slope, Add	118.04	
06 17 53 00-0022	EA		50' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	1,049.06	209.74
			For Up To 15, Add	47.22	
			For >35, Deduct	-31.48	
			For 3 In 12 Slope, Add	18.89	
			For 5 In 12 Slope, Add	50.37	
			For 6 In 12 Slope, Add	94.44	
			For 7 In 12 Slope, Add	125.92	
			For 8 In 12 Slope, Add	151.10	
06 17 53 00-0023	EA		52' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	982.58	188.62
			For Up To 15, Add	42.23	
			For >35, Deduct	-28.16	
			For 3 In 12 Slope, Add	16.89	
			For 5 In 12 Slope, Add	45.05	
			For 6 In 12 Slope, Add	84.47	
			For 7 In 12 Slope, Add	112.62	
			For 8 In 12 Slope, Add	135.15	
06 17 53 00-0024	EA		54' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	1,030.76	220.23
			For Up To 15, Add	44.27	
			For >35, Deduct	-29.52	
			For 3 In 12 Slope, Add	17.71	
			For 5 In 12 Slope, Add	47.22	
			For 6 In 12 Slope, Add	88.55	
			For 7 In 12 Slope, Add	118.06	
			For 8 In 12 Slope, Add	141.67	
06 17 53 00-0025	EA		56' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	1,073.75	204.14
			For Up To 15, Add	46.45	
			For >35, Deduct	-30.97	
			For 3 In 12 Slope, Add	18.58	
			For 5 In 12 Slope, Add	49.55	
			For 6 In 12 Slope, Add	92.90	
			For 7 In 12 Slope, Add	123.86	
			For 8 In 12 Slope, Add	148.64	
06 17 53 00-0026	EA		58' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	1,115.13	230.71
			For Up To 15, Add	49.03	
			For >35, Deduct	-32.69	
			For 3 In 12 Slope, Add	19.61	
			For 5 In 12 Slope, Add	52.30	
			For 6 In 12 Slope, Add	98.06	
			For 7 In 12 Slope, Add	130.74	
			For 8 In 12 Slope, Add	156.89	

**06 Wood, Plastics, and Composites****06 10 Rough Carpentry****06 17 Shop-Fabricated Structural Wood**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

06 17 53 00-0027	EA	60'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	1,139.83	234.21
			<i>For Up To 15, Add</i>	50.36	
			<i>For &gt;35, Deduct</i>	-33.57	
			<i>For 3 In 12 Slope, Add</i>	20.14	
			<i>For 5 In 12 Slope, Add</i>	53.71	
			<i>For 6 In 12 Slope, Add</i>	100.71	
			<i>For 7 In 12 Slope, Add</i>	134.28	
			<i>For 8 In 12 Slope, Add</i>	161.14	

**06 17 53 00-0028 Pre-Assembled Wood Gable End Roof Trusses** (06 17 53)

Note: 24" on center gable studs. Includes 2" x 4" top and bottom chords up to 42' and with 2" x 6" top and bottom chords &gt;42'.

06 17 53 00-0029	EA	10'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	230.52	73.41
			<i>For 3 In 12 Slope, Add</i>	2.51	
			<i>For 5 In 12 Slope, Add</i>	6.70	
			<i>For 6 In 12 Slope, Add</i>	12.56	
			<i>For 7 In 12 Slope, Add</i>	16.74	
			<i>For 8 In 12 Slope, Add</i>	20.09	
			<i>For 16" On Center Gable Studs, Add</i>	16.74	
06 17 53 00-0030	EA	12'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	258.56	80.39
			<i>For 3 In 12 Slope, Add</i>	2.93	
			<i>For 5 In 12 Slope, Add</i>	7.82	
			<i>For 6 In 12 Slope, Add</i>	14.66	
			<i>For 7 In 12 Slope, Add</i>	19.55	
			<i>For 8 In 12 Slope, Add</i>	23.46	
			<i>For 16" On Center Gable Studs, Add</i>	19.55	
06 17 53 00-0031	EA	14'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	292.42	87.39
			<i>For 3 In 12 Slope, Add</i>	3.53	
			<i>For 5 In 12 Slope, Add</i>	9.41	
			<i>For 6 In 12 Slope, Add</i>	17.65	
			<i>For 7 In 12 Slope, Add</i>	23.53	
			<i>For 8 In 12 Slope, Add</i>	28.23	
			<i>For 16" On Center Gable Studs, Add</i>	23.53	
06 17 53 00-0032	EA	16'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	341.63	94.39
			<i>For 3 In 12 Slope, Add</i>	4.59	
			<i>For 5 In 12 Slope, Add</i>	12.23	
			<i>For 6 In 12 Slope, Add</i>	22.93	
			<i>For 7 In 12 Slope, Add</i>	30.57	
			<i>For 8 In 12 Slope, Add</i>	36.69	
			<i>For 16" On Center Gable Studs, Add</i>	30.57	
06 17 53 00-0033	EA	18'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	382.01	101.37
			<i>For 3 In 12 Slope, Add</i>	5.38	
			<i>For 5 In 12 Slope, Add</i>	14.34	
			<i>For 6 In 12 Slope, Add</i>	26.89	
			<i>For 7 In 12 Slope, Add</i>	35.85	
			<i>For 8 In 12 Slope, Add</i>	43.02	
			<i>For 16" On Center Gable Studs, Add</i>	35.85	
06 17 53 00-0034	EA	20'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	412.35	111.86
			<i>For 3 In 12 Slope, Add</i>	5.66	
			<i>For 5 In 12 Slope, Add</i>	15.09	
			<i>For 6 In 12 Slope, Add</i>	28.29	
			<i>For 7 In 12 Slope, Add</i>	37.73	
			<i>For 8 In 12 Slope, Add</i>	45.27	
			<i>For 16" On Center Gable Studs, Add</i>	37.73	
06 17 53 00-0035	EA	22'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	431.82	118.85
			<i>For 3 In 12 Slope, Add</i>	5.82	
			<i>For 5 In 12 Slope, Add</i>	15.53	
			<i>For 6 In 12 Slope, Add</i>	29.12	
			<i>For 7 In 12 Slope, Add</i>	38.82	
			<i>For 8 In 12 Slope, Add</i>	46.59	
			<i>For 16" On Center Gable Studs, Add</i>	38.82	
06 17 53 00-0036	EA	24'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	462.26	125.84
			<i>For 3 In 12 Slope, Add</i>	6.32	
			<i>For 5 In 12 Slope, Add</i>	16.85	
			<i>For 6 In 12 Slope, Add</i>	31.59	
			<i>For 7 In 12 Slope, Add</i>	42.12	
			<i>For 8 In 12 Slope, Add</i>	50.54	
			<i>For 16" On Center Gable Studs, Add</i>	42.12	
06 17 53 00-0037	EA	26'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	494.47	132.84
			<i>For 3 In 12 Slope, Add</i>	6.86	
			<i>For 5 In 12 Slope, Add</i>	18.30	
			<i>For 6 In 12 Slope, Add</i>	34.32	
			<i>For 7 In 12 Slope, Add</i>	45.76	
			<i>For 8 In 12 Slope, Add</i>	54.91	
			<i>For 16" On Center Gable Studs, Add</i>	45.76	
06 17 53 00-0038	EA	28'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	529.10	139.82
			<i>For 3 In 12 Slope, Add</i>	7.48	
			<i>For 5 In 12 Slope, Add</i>	19.96	
			<i>For 6 In 12 Slope, Add</i>	37.42	
			<i>For 7 In 12 Slope, Add</i>	49.89	
			<i>For 8 In 12 Slope, Add</i>	59.87	
			<i>For 16" On Center Gable Studs, Add</i>	49.89	
06 17 53 00-0039	EA	30'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	553.18	146.82
			<i>For 3 In 12 Slope, Add</i>	7.79	
			<i>For 5 In 12 Slope, Add</i>	20.76	
			<i>For 6 In 12 Slope, Add</i>	38.93	
			<i>For 7 In 12 Slope, Add</i>	51.91	
			<i>For 8 In 12 Slope, Add</i>	62.29	
			<i>For 16" On Center Gable Studs, Add</i>	51.91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0040	EA	32'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	586.13	150.31
			<i>For 3 In 12 Slope, Add</i>	8.57	
			<i>For 5 In 12 Slope, Add</i>	22.84	
			<i>For 6 In 12 Slope, Add</i>	42.83	
			<i>For 7 In 12 Slope, Add</i>	57.10	
			<i>For 8 In 12 Slope, Add</i>	68.52	
			<i>For 16" On Center Gable Studs, Add</i>	57.10	
06 17 53 00-0041	EA	34'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	656.91	157.31
			<i>For 3 In 12 Slope, Add</i>	10.27	
			<i>For 5 In 12 Slope, Add</i>	27.38	
			<i>For 6 In 12 Slope, Add</i>	51.35	
			<i>For 7 In 12 Slope, Add</i>	68.46	
			<i>For 8 In 12 Slope, Add</i>	82.15	
			<i>For 16" On Center Gable Studs, Add</i>	68.46	
06 17 53 00-0042	EA	36'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	690.88	160.80
			<i>For 3 In 12 Slope, Add</i>	11.08	
			<i>For 5 In 12 Slope, Add</i>	29.54	
			<i>For 6 In 12 Slope, Add</i>	55.39	
			<i>For 7 In 12 Slope, Add</i>	73.86	
			<i>For 8 In 12 Slope, Add</i>	88.63	
			<i>For 16" On Center Gable Studs, Add</i>	73.86	
06 17 53 00-0043	EA	38'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	730.06	167.79
			<i>For 3 In 12 Slope, Add</i>	11.83	
			<i>For 5 In 12 Slope, Add</i>	31.56	
			<i>For 6 In 12 Slope, Add</i>	59.17	
			<i>For 7 In 12 Slope, Add</i>	78.90	
			<i>For 8 In 12 Slope, Add</i>	94.68	
			<i>For 16" On Center Gable Studs, Add</i>	78.90	
06 17 53 00-0044	EA	40'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	777.89	174.78
			<i>For 3 In 12 Slope, Add</i>	12.85	
			<i>For 5 In 12 Slope, Add</i>	34.27	
			<i>For 6 In 12 Slope, Add</i>	64.25	
			<i>For 7 In 12 Slope, Add</i>	85.67	
			<i>For 8 In 12 Slope, Add</i>	102.80	
			<i>For 16" On Center Gable Studs, Add</i>	85.67	
06 17 53 00-0045	EA	42'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	882.44	181.77
			<i>For 3 In 12 Slope, Add</i>	15.57	
			<i>For 5 In 12 Slope, Add</i>	41.51	
			<i>For 6 In 12 Slope, Add</i>	77.84	
			<i>For 7 In 12 Slope, Add</i>	103.78	
			<i>For 8 In 12 Slope, Add</i>	124.54	
			<i>For 16" On Center Gable Studs, Add</i>	103.78	
06 17 53 00-0046	EA	44'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	984.53	188.76
			<i>For 3 In 12 Slope, Add</i>	18.21	
			<i>For 5 In 12 Slope, Add</i>	48.56	
			<i>For 6 In 12 Slope, Add</i>	91.05	
			<i>For 7 In 12 Slope, Add</i>	121.40	
			<i>For 8 In 12 Slope, Add</i>	145.68	
			<i>For 16" On Center Gable Studs, Add</i>	121.40	
06 17 53 00-0047	EA	46'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	1,018.07	195.76
			<i>For 3 In 12 Slope, Add</i>	18.80	
			<i>For 5 In 12 Slope, Add</i>	50.12	
			<i>For 6 In 12 Slope, Add</i>	93.98	
			<i>For 7 In 12 Slope, Add</i>	125.31	
			<i>For 8 In 12 Slope, Add</i>	150.37	
			<i>For 16" On Center Gable Studs, Add</i>	125.31	
06 17 53 00-0048	EA	48'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	1,075.23	202.74
			<i>For 3 In 12 Slope, Add</i>	20.09	
			<i>For 5 In 12 Slope, Add</i>	53.58	
			<i>For 6 In 12 Slope, Add</i>	100.46	
			<i>For 7 In 12 Slope, Add</i>	133.95	
			<i>For 8 In 12 Slope, Add</i>	160.74	
			<i>For 16" On Center Gable Studs, Add</i>	133.95	
06 17 53 00-0049	EA	50'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	1,187.99	209.74
			<i>For 3 In 12 Slope, Add</i>	23.06	
			<i>For 5 In 12 Slope, Add</i>	61.48	
			<i>For 6 In 12 Slope, Add</i>	115.28	
			<i>For 7 In 12 Slope, Add</i>	153.70	
			<i>For 8 In 12 Slope, Add</i>	184.44	
			<i>For 16" On Center Gable Studs, Add</i>	153.70	
06 17 53 00-0050	EA	52'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	1,212.23	216.72
			<i>For 3 In 12 Slope, Add</i>	23.36	
			<i>For 5 In 12 Slope, Add</i>	62.30	
			<i>For 6 In 12 Slope, Add</i>	116.82	
			<i>For 7 In 12 Slope, Add</i>	155.75	
			<i>For 8 In 12 Slope, Add</i>	186.90	
			<i>For 16" On Center Gable Studs, Add</i>	155.75	
06 17 53 00-0051	EA	54'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	1,256.85	220.23
			<i>For 3 In 12 Slope, Add</i>	24.49	
			<i>For 5 In 12 Slope, Add</i>	65.31	
			<i>For 6 In 12 Slope, Add</i>	122.46	
			<i>For 7 In 12 Slope, Add</i>	163.28	
			<i>For 8 In 12 Slope, Add</i>	195.94	
			<i>For 16" On Center Gable Studs, Add</i>	163.28	
06 17 53 00-0052	EA	56'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	1,310.93	227.21
			<i>For 3 In 12 Slope, Add</i>	25.70	
			<i>For 5 In 12 Slope, Add</i>	68.52	
			<i>For 6 In 12 Slope, Add</i>	128.48	
			<i>For 7 In 12 Slope, Add</i>	171.30	
			<i>For 8 In 12 Slope, Add</i>	205.56	
			<i>For 16" On Center Gable Studs, Add</i>	171.30	

**06 Wood, Plastics, and Composites****06 10 Rough Carpentry****06 17 Shop-Fabricated Structural Wood**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

06 17 53 00-0053	EA	58' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	1,365.46	230.71
		<i>For 3 In 12 Slope, Add</i>	27.12	
		<i>For 5 In 12 Slope, Add</i>	72.32	
		<i>For 6 In 12 Slope, Add</i>	135.61	
		<i>For 7 In 12 Slope, Add</i>	180.81	
		<i>For 8 In 12 Slope, Add</i>	216.97	
		<i>For 16" On Center Gable Studs, Add</i>	180.81	
06 17 53 00-0054	EA	60' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	1,396.96	234.21
		<i>For 3 In 12 Slope, Add</i>	27.86	
		<i>For 5 In 12 Slope, Add</i>	74.28	
		<i>For 6 In 12 Slope, Add</i>	139.28	
		<i>For 7 In 12 Slope, Add</i>	185.71	
		<i>For 8 In 12 Slope, Add</i>	222.85	
		<i>For 16" On Center Gable Studs, Add</i>	185.71	

**06 18 Glued-Laminated Construction** (06 10)**06 18 13 Glued-Laminated Beams** (06 18)**06 18 13 00-0001 Glue Laminated Straight Beams** (06 18 13)

Note: Based on southern yellow pine or hemlock lumber with waterproof glue and factor applied sealer.

06 18 13 00-0002	LF	3-1/2" x 6" Glue Laminated Straight Beam	13.91	3.00
06 18 13 00-0003	LF	3-1/2" x 7-1/2" Glue Laminated Straight Beam	17.37	3.75
06 18 13 00-0004	LF	3-1/2" x 9" Glue Laminated Straight Beam	20.85	4.50
06 18 13 00-0005	LF	3-1/2" x 9-1/2" Glue Laminated Straight Beam	21.99	4.75
06 18 13 00-0006	LF	3-1/2" x 10-1/2" Glue Laminated Straight Beam	24.30	5.24
06 18 13 00-0007	LF	3-1/2" x 12" Glue Laminated Straight Beam	27.78	6.00
06 18 13 00-0008	LF	3-1/2" x 13-1/2" Glue Laminated Straight Beam	31.27	6.75
06 18 13 00-0009	LF	3-1/2" x 14" Glue Laminated Straight Beam	32.42	7.00
06 18 13 00-0010	LF	3-1/2" x 15" Glue Laminated Straight Beam	34.74	7.50
06 18 13 00-0011	LF	3-1/2" x 16" Glue Laminated Straight Beam	37.03	8.00
06 18 13 00-0012	LF	3-1/2" x 16-1/2" Glue Laminated Straight Beam	38.21	8.25
06 18 13 00-0013	LF	3-1/2" x 18" Glue Laminated Straight Beam	41.67	9.00
06 18 13 00-0014	LF	3-1/2" x 19-1/2" Glue Laminated Straight Beam	45.15	9.75
06 18 13 00-0015	LF	3-1/2" x 21" Glue Laminated Straight Beam	48.61	10.51
06 18 13 00-0016	LF	3-1/2" x 22.5" Glue Laminated Straight Beam	52.11	11.26
06 18 13 00-0017	LF	5-1/2" x 6" Glue Laminated Straight Beam	21.83	4.71
06 18 13 00-0018	LF	5-1/2" x 7-1/2" Glue Laminated Straight Beam	27.30	5.90
06 18 13 00-0019	LF	5-1/2" x 9" Glue Laminated Straight Beam	32.75	7.07
06 18 13 00-0020	LF	5-1/2" x 9-1/2" Glue Laminated Straight Beam	34.57	7.47
06 18 13 00-0021	LF	5-1/2" x 10-1/2" Glue Laminated Straight Beam	38.21	8.25
06 18 13 00-0022	LF	5-1/2" x 12" Glue Laminated Straight Beam	43.67	9.43
06 18 13 00-0023	LF	5-1/2" x 13-1/2" Glue Laminated Straight Beam	49.13	10.61
06 18 13 00-0024	LF	5-1/2" x 14" Glue Laminated Straight Beam	50.94	11.00
06 18 13 00-0025	LF	5-1/2" x 15" Glue Laminated Straight Beam	54.59	11.78
06 18 13 00-0026	LF	5-1/2" x 16" Glue Laminated Straight Beam	58.22	12.58
06 18 13 00-0027	LF	5-1/2" x 16-1/2" Glue Laminated Straight Beam	60.05	12.97
06 18 13 00-0028	LF	5-1/2" x 18" Glue Laminated Straight Beam	65.51	14.14
06 18 13 00-0029	LF	5-1/2" x 19-1/2" Glue Laminated Straight Beam	70.97	15.33
06 18 13 00-0030	LF	5-1/2" x 21" Glue Laminated Straight Beam	76.42	16.50
06 18 13 00-0031	LF	5-1/2" x 22.5" Glue Laminated Straight Beam	81.88	17.68
06 18 13 00-0032	LF	5-1/2" x 24" Glue Laminated Straight Beam	87.35	18.86
06 18 13 00-0033	LF	6-3/4" x 9" Glue Laminated Straight Beam	40.21	8.68
06 18 13 00-0034	LF	6-3/4" x 9-1/2" Glue Laminated Straight Beam	42.43	9.16
06 18 13 00-0035	LF	6-3/4" x 10-1/2" Glue Laminated Straight Beam	46.89	10.13
06 18 13 00-0036	LF	6-3/4" x 12" Glue Laminated Straight Beam	53.60	11.57
06 18 13 00-0037	LF	6-3/4" x 13-1/2" Glue Laminated Straight Beam	60.30	13.02
06 18 13 00-0038	LF	6-3/4" x 14" Glue Laminated Straight Beam	62.52	13.51
06 18 13 00-0039	LF	6-3/4" x 15" Glue Laminated Straight Beam	66.99	14.47
06 18 13 00-0040	LF	6-3/4" x 16" Glue Laminated Straight Beam	71.45	15.43
06 18 13 00-0041	LF	6-3/4" x 16-1/2" Glue Laminated Straight Beam	73.69	15.91
06 18 13 00-0042	LF	6-3/4" x 18" Glue Laminated Straight Beam	80.38	17.36
06 18 13 00-0043	LF	6-3/4" x 19-1/2" Glue Laminated Straight Beam	87.09	18.81
06 18 13 00-0044	LF	6-3/4" x 21" Glue Laminated Straight Beam	93.80	20.25
06 18 13 00-0045	LF	6-3/4" x 22.5" Glue Laminated Straight Beam	100.48	21.70
06 18 13 00-0046	LF	6-3/4" x 24" Glue Laminated Straight Beam	107.18	23.15
06 18 13 00-0047	LF	8-3/4" x 9" Glue Laminated Straight Beam	52.11	11.26
06 18 13 00-0048	LF	8-3/4" x 9-1/2" Glue Laminated Straight Beam	55.00	11.88
06 18 13 00-0049	LF	8-3/4" x 10-1/2" Glue Laminated Straight Beam	60.78	13.13
06 18 13 00-0050	LF	8-3/4" x 12" Glue Laminated Straight Beam	69.45	15.00
06 18 13 00-0051	LF	8-3/4" x 13-1/2" Glue Laminated Straight Beam	78.17	16.88
06 18 13 00-0052	LF	8-3/4" x 14" Glue Laminated Straight Beam	81.04	17.51
06 18 13 00-0053	LF	8-3/4" x 15" Glue Laminated Straight Beam	86.83	18.75
06 18 13 00-0054	LF	8-3/4" x 16" Glue Laminated Straight Beam	92.62	20.00
06 18 13 00-0055	LF	8-3/4" x 16-1/2" Glue Laminated Straight Beam	95.53	20.62
06 18 13 00-0056	LF	8-3/4" x 18" Glue Laminated Straight Beam	104.22	22.50
06 18 13 00-0057	LF	8-3/4" x 19-1/2" Glue Laminated Straight Beam	112.90	24.37
06 18 13 00-0058	LF	8-3/4" x 21" Glue Laminated Straight Beam	121.58	26.26
06 18 13 00-0059	LF	8-3/4" x 22.5" Glue Laminated Straight Beam	130.26	28.13
06 18 13 00-0060	LF	8-3/4" x 24" Glue Laminated Straight Beam	138.95	30.01

**06 18 13 00-0061 Glue Laminated Decking** (06 18 13)

06 18 13 00-0062	LF	2" - 4" Thick x 4" Wide Glue Laminated Decking	7.04	1.91
06 18 13 00-0063	LF	2" - 4" Thick x 6" Wide Glue Laminated Decking	7.16	1.91



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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06 18 13 00-0064	LF		2" - 4" Thick x 8" Wide Glue Laminated Decking .....	7.22	1.80
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**06 18 16 Glued-Laminated Columns (06 18)**

**06 18 16 00-0001 Glue Laminated Structural Units (06 18 16)**

Note: Based on southern yellow pine or hemlock lumber in 2" laminations with waterproof glue and factor applied sealer.

06 18 16 00-0002	LF		3-1/4" x 7-1/2" Glue Laminated Purlin Or Column .....	22.18	3.91
06 18 16 00-0003	LF		3-1/4" x 9-1/4" Glue Laminated Purlin Or Column .....	25.02	4.35
06 18 16 00-0004	LF		5-1/4" x 9-1/4" Glue Laminated Purlin Or Column .....	45.76	9.28
06 18 16 00-0005	LF		5-1/4" x 13" Glue Laminated Purlin Or Column.....	50.78	9.72

**06 20 Finish Carpentry (06)**

**06 22 Millwork (06 20)**

**06 22 13 Standard Pattern Wood Trim (06 22)**

**06 22 13 00-0001 Pine Moldings (All Dimensions Are Nominal) (06 22 13)**

06 22 13 00-0002	LF		1/4" x 1-1/4" Wood Lattice Strip .....	3.05	1.11
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.41	
06 22 13 00-0003	LF		1/4" x 1-5/8" Wood Lattice Strip .....	3.20	0.89
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.41	
06 22 13 00-0004	LF		1/4" x 2-1/2" Wood Lattice Strip .....	4.02	0.89
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.41	
06 22 13 00-0005	LF		1/4" x 3-1/2" Wood Lattice Strip .....	4.50	0.89
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.41	

**06 22 13 00-0006 Ceilings (All Dimensions Are Nominal) (06 22 13)**

**06 22 13 00-0007 White Pine (06 22 13 00-0006)**

06 22 13 00-0008	LF		9/16" x 3-5/8" White Pine Crown Or Bed Molding .....	14.14	3.89
			<i>For Birch, Add</i>	3.09	
			<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	4.42	
			<i>For Poplar, Add</i>	1.72	
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.28	
			<i>For Stain Grade Material (No Finger Joints), Add</i>	1.12	
06 22 13 00-0009	LF		1 1/16" x 4-5/8" White Pine Crown Or Bed Molding.....	18.91	4.66
			<i>For Birch, Add</i>	4.41	
			<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	6.18	
			<i>For Poplar, Add</i>	2.45	
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.53	
			<i>For Stain Grade Material (No Finger Joints), Add</i>	1.59	
06 22 13 00-0010	LF		3/4" x 3/4" White Pine Crown Or Bed Molding.....	7.00	2.67
			<i>For Birch, Add</i>	0.92	
			<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	1.60	
			<i>For Poplar, Add</i>	0.51	
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.02	
			<i>For Stain Grade Material (No Finger Joints), Add</i>	0.33	
06 22 13 00-0011	LF		9/16" x 1-5/8" White Pine Crown Or Bed Molding.....	7.92	2.67
			<i>For Birch, Add</i>	1.25	
			<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	2.01	
			<i>For Poplar, Add</i>	0.70	
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.02	
			<i>For Stain Grade Material (No Finger Joints), Add</i>	0.45	
06 22 13 00-0012	LF		9/16" x 2-1/4" White Pine Crown Or Bed Molding.....	10.38	3.33
			<i>For Birch, Add</i>	1.74	
			<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	2.73	
			<i>For Poplar, Add</i>	0.97	
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.28	
			<i>For Stain Grade Material (No Finger Joints), Add</i>	0.63	
06 22 13 00-0013	LF		3/4" x 3-1/2" White Pine Crown Or Bed Molding.....	11.92	3.33
			<i>For Birch, Add</i>	2.29	
			<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	3.42	
			<i>For Poplar, Add</i>	1.27	
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.28	
			<i>For Stain Grade Material (No Finger Joints), Add</i>	0.83	
06 22 13 00-0014	LF		5/8" x 4-1/4" White Pine Crown Or Bed Molding.....	14.79	4.00
			<i>For Birch, Add</i>	2.93	
			<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	4.32	
			<i>For Poplar, Add</i>	1.63	
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.53	
			<i>For Stain Grade Material (No Finger Joints), Add</i>	1.06	
06 22 13 00-0015	LF		1" x 2" White Pine Dentil Molding .....	7.24	3.11
			<i>For Birch, Add</i>	1.01	
			<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	1.70	
			<i>For Poplar, Add</i>	0.56	
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.02	
			<i>For Stain Grade Material (No Finger Joints), Add</i>	0.36	
06 22 13 00-0016	LF		9/16" x 1-3/4" White Pine Cove Molding .....	6.08	2.34
			<i>For Birch, Add</i>	0.99	
			<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	1.57	
			<i>For Poplar, Add</i>	0.55	
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.77	
			<i>For Stain Grade Material (No Finger Joints), Add</i>	0.36	

**06 Wood, Plastics, and Composites****06 20 Finish Carpentry****06 22 Millwork**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

06 22 13 00-0017	LF	11/16" x 2-3/4" White Pine Cove Molding	9.02	2.34
		<i>For Birch, Add</i>	2.05	
		<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	2.89	
		<i>For Poplar, Add</i>	1.14	
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.77	
		<i>For Stain Grade Material (No Finger Joints), Add</i>	0.74	
06 22 13 00-0018	LF	3/8" x 3/8" White Pine Cove Molding	3.62	1.33
		<i>For Birch, Add</i>	0.47	
		<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	0.82	
		<i>For Poplar, Add</i>	0.26	
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.53	
		<i>For Stain Grade Material (No Finger Joints), Add</i>	0.17	
06 22 13 00-0019	LF	1/2" x 1/2" White Pine Cove Molding	3.95	1.33
		<i>For Birch, Add</i>	0.59	
		<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	0.97	
		<i>For Poplar, Add</i>	0.33	
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.53	
		<i>For Stain Grade Material (No Finger Joints), Add</i>	0.21	
06 22 13 00-0020	LF	5/8" x 5/8" White Pine Cove Molding	5.24	1.66
		<i>For Birch, Add</i>	0.89	
		<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	1.39	
		<i>For Poplar, Add</i>	0.49	
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.64	
		<i>For Stain Grade Material (No Finger Joints), Add</i>	0.32	
06 22 13 00-0021	LF	3/4" x 3/4" White Pine Cove Molding	5.24	1.66
		<i>For Birch, Add</i>	0.89	
		<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	1.39	
		<i>For Poplar, Add</i>	0.49	
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.64	
		<i>For Stain Grade Material (No Finger Joints), Add</i>	0.32	
06 22 13 00-0022	LF	15/16" x 15/16" White Pine Cove Molding	6.73	1.66
		<i>For Birch, Add</i>	1.42	
		<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	2.06	
		<i>For Poplar, Add</i>	0.79	
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.64	
		<i>For Stain Grade Material (No Finger Joints), Add</i>	0.51	
06 22 13 00-0023	LF	7-1/2" Wide Mullion Covers	42.74	1.99
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.91	
06 22 13 00-0024	LF	Three Piece Mullion Trim, 2 Cove Moldings	54.03	1.99
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.91	
06 22 13 00-0025		<b>Cedar Trim</b> (06 22 13 00-0006)		
06 22 13 00-0026	LF	2" x 4" Cedar Ceiling Trim	12.25	5.59
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.85	
06 22 13 00-0027		<b>Oak Trim</b> (06 22 13 00-0006)		
06 22 13 00-0028	LF	1" x 8" Clear Oak Ceiling Trim	12.67	5.15
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.72	
06 22 13 00-0029		<b>Closet Poles</b> (06 22 13)		
06 22 13 00-0030	LF	1-1/8" Diameter Pine Closet Poles	10.65	2.89
06 22 13 00-0031	LF	1-5/8" Diameter Pine Closet Poles	12.85	2.89
06 22 13 00-0032	LF	2" Diameter Pine Closet Poles	17.38	3.22

**06 25 Prefinished Paneling** (06 25)**06 25 16 Prefinished Plywood Paneling** (06 25)**06 25 16 00-0001 Hardboard Panels** (06 25 16)

Note: Excludes furring and trim.

**06 25 16 00-0002 Tempered Hardboard Panels** (06 25 16 00-0001)

06 25 16 00-0003	SF	1/4" Tempered Hardboard Panels	5.64	2.01
		<i>For Waterproof Glue, Add</i>	0.07	
		<i>For Ceiling Installation, Add</i>	1.37	
		<i>For Glue Laminated Installation, Add</i>	0.28	
		<i>For 1/8" Thick Paneling, Deduct</i>	-0.50	
		<i>For 1/2" Thick Paneling, Add</i>	1.13	
		<i>For 5/8" Thick Paneling, Add</i>	1.35	
		<i>For 3/4" Thick Paneling, Add</i>	1.64	
		<i>For Fire Retardant Treatment (Class I), Add</i>	0.85	
06 25 16 00-0004	SF	1/4" Plastic Faced Tempered Hardboard Panels	6.34	2.46
		<i>For Waterproof Glue, Add</i>	0.07	
		<i>For Ceiling Installation, Add</i>	1.61	
		<i>For Glue Laminated Installation, Add</i>	0.32	
		<i>For 1/8" Thick Paneling, Deduct</i>	-0.54	
		<i>For 1/2" Thick Paneling, Add</i>	1.17	
		<i>For 5/8" Thick Paneling, Add</i>	1.38	
		<i>For 3/4" Thick Paneling, Add</i>	1.64	
		<i>For Fire Retardant Treatment (Class I), Add</i>	0.77	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 25 16 00-0005	SF		1/4" Pegboard Tempered Hardboard Panels.....	6.38	2.01
			For Waterproof Glue, Add	0.13	
			For Ceiling Installation, Add	1.37	
			For Glue Laminated Installation, Add	0.32	
			For 1/8" Thick Paneling, Deduct	-0.62	
			For 1/2" Thick Paneling, Add	1.53	
			For 5/8" Thick Paneling, Add	1.91	
			For 3/4" Thick Paneling, Add	2.39	
			For Fire Retardant Treatment (Class I), Add	1.43	
06 25 16 00-0006	SF		1/4" Plastic Faced Pegboard Tempered Hardboard .....	6.56	2.46
			For Waterproof Glue, Add	0.08	
			For Ceiling Installation, Add	1.61	
			For Glue Laminated Installation, Add	0.33	
			For 1/8" Thick Paneling, Deduct	-0.58	
			For 1/2" Thick Paneling, Add	1.29	
			For 5/8" Thick Paneling, Add	1.54	
			For 3/4" Thick Paneling, Add	1.87	
			For Fire Retardant Treatment (Class I), Add	0.95	
<b>06 25 16 00-0007</b>			<b>Untempered Hardboard Panels (06 25 16 00-0001)</b>		
06 25 16 00-0008	SF		1/4" Untempered Hardboard Panels .....	5.41	2.01
			For Waterproof Glue, Add	0.06	
			For Glue Laminated Installation, Add	0.27	
			For Lumber Core, Add	0.09	
			For Fire Retardant Treatment (Class I), Add	0.66	
<b>06 40 Architectural Woodwork (06)</b>					
<b>06 41 Architectural Wood Casework (06 40)</b>					
<b>06 41 13 Wood-Veneer-Faced Architectural Cabinets (06 41)</b>					
Note: NNnote: Cabinets Include Hinges, Mounting Hardware And Door Pulls. Refer To WIC For Grade Listing. Basic Is Custom.					
<b>06 41 13 00-0001 Removal And Reinstallation Of Cabinet Or Counters (06 41 13)</b>					
Note: Includes storage, cleaning and supply materials. Any height or width.					
06 41 13 00-0002	LF		Removal And Reinstallation Of Wood Base Cabinets .....	84.96	
06 41 13 00-0003	LF		Removal And Reinstallation Of Wall Cabinets .....	73.87	
06 41 13 00-0004	LF		Removal And Reinstallation Of Plastic Laminated Countertops .....	17.48	
<b>06 41 13 00-0005 Wood-Veneer Faced Wall And Base Cabinets (06 41 13)</b>					
Note: Kitchen cabinets are constructed of 3/8" and 1/2" thick laminated particleboard with corner braces. Shelves are 3/4" laminated particleboard. The face frame is 3/4" x 1-1/2" solid wood. Hinges are 6 way adjustable, fully concealed steel. Drawers are 1/2" thick laminated particleboard boxes with 3/8" laminated particleboard bottoms. Drawer guides are side mounted, epoxy coated double rails. Excludes door or drawer pull hardware.					
<b>06 41 13 00-0006 Solid Maple Face Frame And Door, Wall And Base Cabinets (06 41 13 00-0005)</b>					
<b>06 41 13 00-0007 Base Cabinets, 35" High, 23-3/4" Deep (06 41 13 00-0006)</b>					
06 41 13 00-0008	EA		12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	398.92	22.20
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	119.56	
			For All Plywood Box Construction, Add	124.63	
06 41 13 00-0009	EA		15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	424.60	27.76
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	119.56	
			For All Plywood Box Construction, Add	124.63	
06 41 13 00-0010	EA		18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	444.05	33.31
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	119.56	
			For All Plywood Box Construction, Add	124.63	
06 41 13 00-0011	EA		21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	467.35	38.87
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	119.56	
			For All Plywood Box Construction, Add	124.63	
06 41 13 00-0012	EA		24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	532.58	44.42
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	119.56	
			For All Plywood Box Construction, Add	124.63	
06 41 13 00-0013	EA		27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	556.97	49.97
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	119.56	
			For All Plywood Box Construction, Add	124.63	
06 41 13 00-0014	EA		30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	602.80	55.52
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	119.56	
			For All Plywood Box Construction, Add	124.63	
06 41 13 00-0015	EA		33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	635.19	61.07
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	119.56	
			For All Plywood Box Construction, Add	124.63	
06 41 13 00-0016	EA		36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	654.93	66.62
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	119.56	
			For All Plywood Box Construction, Add	124.63	

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41	13 00-0017	EA	48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	747.54	88.84
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	239.12	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41	13 00-0018	EA	30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet .....	829.76	55.52
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	239.12	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41	13 00-0019	EA	36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet .....	921.41	66.62
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	239.12	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41	13 00-0020	EA	30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet .....	871.31	55.52
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41	13 00-0021	EA	36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet .....	973.08	66.62
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41	13 00-0022	EA	12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	405.00	22.20
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41	13 00-0023	EA	15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	414.47	27.76
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41	13 00-0024	EA	18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	453.17	33.31
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41	13 00-0025	EA	21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	482.54	38.87
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41	13 00-0026	EA	24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	503.20	44.42
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41	13 00-0027	EA	27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	528.60	49.97
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41	13 00-0028	EA	30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	869.28	55.52
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41	13 00-0029	EA	33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	916.86	61.07
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41	13 00-0030	EA	36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	963.97	66.62
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41	13 00-0031	EA	12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	498.22	22.20
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41	13 00-0032	EA	15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	508.70	27.76
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41	13 00-0033	EA	18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	552.46	33.31
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41	13 00-0034	EA	21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	587.92	38.87
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41	13 00-0035	EA	24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	618.70	44.42
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41	13 00-0036	EA	27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	650.19	49.97
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41	13 00-0037	EA	30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	911.83	55.52
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41	13 00-0038	EA	33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	964.49	61.07
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
			<i>For All Plywood Box Construction, Add</i>	124.63	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0039	EA		36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	1,018.68	66.62
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
			<i>For All Plywood Box Construction, Add</i>	124.63	
<b>06 41 13 00-0040</b>			<b>Wall Cabinet, 12" High, 12" Deep (06 41 13 00-0006)</b>		
06 41 13 00-0041	EA		30" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet.....	357.38	55.52
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0042	EA		33" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet.....	381.55	61.07
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0043	EA		36" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet.....	420.74	66.62
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0044	EA		39" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet.....	449.11	72.18
			<i>For All Plywood Box Construction, Add</i>	66.87	
<b>06 41 13 00-0045</b>			<b>Wall Cabinets, 14" High, 12" Deep (06 41 13 00-0006)</b>		
06 41 13 00-0046	EA		12" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	303.06	22.20
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0047	EA		15" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	310.35	27.76
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0048	EA		18" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	325.74	33.31
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0049	EA		21" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	334.04	38.87
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0050	EA		24" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	343.35	44.42
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0051	EA		30" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	359.76	55.52
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0052	EA		33" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	385.28	61.07
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0053	EA		36" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	420.74	66.62
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0054	EA		39" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	449.11	72.18
			<i>For All Plywood Box Construction, Add</i>	66.87	
<b>06 41 13 00-0055</b>			<b>Wall Cabinets, 18" High, 12" Deep (06 41 13 00-0006)</b>		
06 41 13 00-0056	EA		12" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	315.22	22.20
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0057	EA		15" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	331.63	27.76
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0058	EA		18" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	343.98	33.31
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0059	EA		21" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	357.34	38.87
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0060	EA		24" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	375.78	44.42
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0061	EA		27" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	397.15	49.99
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0062	EA		30" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	416.50	55.52
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0063	EA		33" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	431.89	61.07
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0064	EA		36" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	441.00	66.62
			<i>For All Plywood Box Construction, Add</i>	66.87	
<b>06 41 13 00-0065</b>			<b>Wall Cabinets, 30" High, 12" Deep (06 41 13 00-0006)</b>		
06 41 13 00-0066	EA		12" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	342.17	22.20
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0067	EA		15" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	372.80	27.76
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0068	EA		18" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	398.09	33.31
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0069	EA		21" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	428.72	38.87
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0070	EA		24" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	458.37	44.42
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0071	EA		27" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	503.03	49.99
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0072	EA		30" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	515.28	55.52
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0073	EA		33" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	562.25	61.07
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0074	EA		36" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	578.82	66.62
			<i>For All Plywood Box Construction, Add</i>	66.87	
<b>06 41 13 00-0075</b>			<b>Wall Cabinets, 36" High, 12" Deep (06 41 13 00-0006)</b>		
06 41 13 00-0076	EA		12" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	385.74	22.20
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0077	EA		15" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	418.40	27.76
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0078	EA		18" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	446.73	33.31
			<i>For All Plywood Box Construction, Add</i>	66.87	

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
06 41 13 00-0079	EA 21" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	479.38 66.87	38.87
06 41 13 00-0080	EA 24" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	562.73 66.87	44.42
06 41 13 00-0081	EA 27" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	565.85 66.87	49.99
06 41 13 00-0082	EA 30" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	586.21 66.87	55.52
06 41 13 00-0083	EA 33" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	641.29 66.87	61.07
06 41 13 00-0084	EA 36" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	657.85 66.87	66.62
<b>06 41 13 00-0085 Wall Cabinets, 42" High, 12" Deep (06 41 13 00-0006)</b>			
06 41 13 00-0086	EA 12" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	431.33 66.87	22.20
06 41 13 00-0087	EA 15" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	471.08 66.87	27.76
06 41 13 00-0088	EA 18" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	501.44 66.87	33.31
06 41 13 00-0089	EA 21" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	533.08 66.87	38.87
06 41 13 00-0090	EA 24" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	580.97 66.87	44.42
06 41 13 00-0091	EA 27" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	620.56 66.87	49.99
06 41 13 00-0092	EA 30" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	653.08 66.87	55.52
06 41 13 00-0093	EA 33" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	715.25 66.87	61.07
06 41 13 00-0094	EA 36" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	736.88 66.87	66.62
<b>06 41 13 00-0095 Wall Cabinets, 12" High, 23-3/4" Deep (06 41 13 00-0006)</b>			
06 41 13 00-0096	EA 30" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	409.28 66.87	55.52
06 41 13 00-0097	EA 33" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	439.64 66.87	61.07
06 41 13 00-0098	EA 36" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	472.55 66.87	66.62
06 41 13 00-0099	EA 39" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	511.19 66.87	72.18
06 41 13 00-0100	EA 48" Wide, 12" High x 23-3/4" Deep, Triple Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	604.62 66.87	88.84
<b>06 41 13 00-0101 Utility Cabinets, 84" High (06 41 13 00-0006)</b>			
06 41 13 00-0102	EA 15" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	781.55 247.23	49.35
06 41 13 00-0103	EA 18" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	884.50 247.23	59.22
06 41 13 00-0104	EA 21" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	994.54 247.23	463.91
06 41 13 00-0105	EA 24" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	1,044.81 247.23	78.97
06 41 13 00-0106	EA 30" Wide, 84" High x 12" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	1,266.31 247.23	98.70
06 41 13 00-0107	EA 36" Wide, 84" High x 12" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	1,461.46 247.23	118.45
06 41 13 00-0108	EA 15" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	884.90 247.23	49.35
06 41 13 00-0109	EA 18" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	978.73 247.23	59.22
06 41 13 00-0110	EA 21" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	1,118.15 247.23	69.09
06 41 13 00-0111	EA 24" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	1,187.68 247.23	78.97
06 41 13 00-0112	EA 30" Wide, 84" High x 24" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	1,476.05 247.23	98.70
06 41 13 00-0113	EA 36" Wide, 84" High x 24" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	1,688.43 247.23	118.45
<b>06 41 13 00-0114 Solid Oak Face Frame And Door, Wall And Base Cabinets (06 41 13 00-0005)</b>			
<b>06 41 13 00-0115 Base Cabinets, 35" High, 23-3/4" Deep (06 41 13 00-0114)</b>			
06 41 13 00-0116	EA 12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	359.40 119.56 124.63	22.20
06 41 13 00-0117	EA 15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	382.05 119.56 124.63	27.76

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41	13 00-0118	EA	18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	399.47	33.31
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	119.56	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41	13 00-0119	EA	21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	420.74	38.87
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	119.56	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41	13 00-0120	EA	24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	477.87	44.42
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	119.56	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41	13 00-0121	EA	27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	500.23	49.97
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	119.56	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41	13 00-0122	EA	30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	539.98	55.52
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	119.56	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41	13 00-0123	EA	33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	569.33	61.07
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	119.56	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41	13 00-0124	EA	36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	587.05	66.62
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	119.56	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41	13 00-0125	EA	48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	669.52	88.84
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	239.12	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41	13 00-0126	EA	30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	740.60	55.52
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	239.12	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41	13 00-0127	EA	36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	821.10	66.62
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	239.12	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41	13 00-0128	EA	30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	777.08	55.52
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41	13 00-0129	EA	36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	866.70	66.62
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41	13 00-0130	EA	12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	365.48	22.20
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41	13 00-0131	EA	15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	373.94	27.76
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41	13 00-0132	EA	18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	407.57	33.31
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41	13 00-0133	EA	21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	433.91	38.87
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41	13 00-0134	EA	24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	452.53	44.42
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41	13 00-0135	EA	27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	474.90	49.97
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41	13 00-0136	EA	30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	775.05	55.52
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41	13 00-0137	EA	33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	816.55	61.07
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41	13 00-0138	EA	36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	858.59	66.62
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41	13 00-0139	EA	12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	446.54	22.20
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41	13 00-0140	EA	15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	457.03	27.76
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41	13 00-0141	EA	18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	495.72	33.31
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41	13 00-0142	EA	21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	527.13	38.87
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41	13 00-0143	EA	24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	553.86	44.42
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
			<i>For All Plywood Box Construction, Add</i>	124.63	

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 41 Architectural Wood Casework**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

06 41 13 00-0144	EA	27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	582.30	49.97
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
		<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0145	EA	30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	812.54	55.52
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
		<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0146	EA	33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	859.11	61.07
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
		<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0147	EA	36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	907.23	66.62
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
		<i>For All Plywood Box Construction, Add</i>	124.63	
<b>06 41 13 00-0148</b>		<b>Wall Cabinets, 12" High, 12" Deep</b> <small>(06 41 13 00-0114)</small>		
06 41 13 00-0149	EA	30" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet	322.93	55.52
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0150	EA	33" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet	344.06	61.07
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0151	EA	36" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet	379.20	66.62
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0152	EA	39" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet	404.53	72.18
		<i>For All Plywood Box Construction, Add</i>	66.87	
<b>06 41 13 00-0153</b>		<b>Wall Cabinets, 14" High, 12" Deep</b> <small>(06 41 13 00-0114)</small>		
06 41 13 00-0154	EA	12" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	274.69	22.20
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0155	EA	15" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	280.97	27.76
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0156	EA	18" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	294.33	33.31
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0157	EA	21" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	302.63	38.87
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0158	EA	24" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	310.93	44.42
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0159	EA	30" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	325.31	55.52
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0160	EA	33" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	347.79	61.07
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0161	EA	36" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	379.20	66.62
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0162	EA	39" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	404.53	72.18
		<i>For All Plywood Box Construction, Add</i>	66.87	
<b>06 41 13 00-0163</b>		<b>Wall Cabinets, 18" High, 12" Deep</b> <small>(06 41 13 00-0114)</small>		
06 41 13 00-0164	EA	12" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	284.83	22.20
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0165	EA	15" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	299.20	27.76
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0166	EA	18" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	310.54	33.31
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0167	EA	21" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	322.89	38.87
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0168	EA	24" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	339.30	44.42
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0169	EA	27" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	358.65	49.99
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0170	EA	30" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	374.96	55.52
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0171	EA	33" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	389.33	61.07
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0172	EA	36" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	397.43	66.62
		<i>For All Plywood Box Construction, Add</i>	66.87	
<b>06 41 13 00-0173</b>		<b>Wall Cabinets, 30" High, 12" Deep</b> <small>(06 41 13 00-0114)</small>		
06 41 13 00-0174	EA	12" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	310.76	22.20
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0175	EA	15" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	338.35	27.76
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0176	EA	18" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	360.61	33.31
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0177	EA	21" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	387.18	38.87
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0178	EA	24" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	413.79	44.42
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0179	EA	27" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	453.38	49.99
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0180	EA	30" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	464.62	55.52
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0181	EA	33" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	505.51	61.07
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0182	EA	36" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	521.07	66.62
		<i>For All Plywood Box Construction, Add</i>	66.87	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>06 41 13 00-0183 Wall Cabinets, 36" High, 12" Deep (06 41 13 00-0114)</b>					
06 41 13 00-0184	EA		12" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	349.26	22.20
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0185	EA		15" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	377.87	27.76
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0186	EA		18" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	403.16	33.31
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0187	EA		21" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	431.76	38.87
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0188	EA		24" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	505.99	44.42
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0189	EA		27" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet .....	508.09	49.99
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0190	EA		30" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet .....	526.43	55.52
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0191	EA		33" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet .....	575.43	61.07
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0192	EA		36" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet .....	589.96	66.62
			<i>For All Plywood Box Construction, Add</i>	66.87	
<b>06 41 13 00-0193 Wall Cabinets, 42" High, 12" Deep (06 41 13 00-0114)</b>					
06 41 13 00-0194	EA		12" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	388.78	22.20
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0195	EA		15" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	424.48	27.76
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0196	EA		18" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	451.80	33.31
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0197	EA		21" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	479.38	38.87
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0198	EA		24" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	522.20	44.42
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0199	EA		27" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet .....	556.73	49.99
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0200	EA		30" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet .....	585.19	55.52
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0201	EA		33" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet .....	640.27	61.07
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0202	EA		36" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet .....	659.88	66.62
			<i>For All Plywood Box Construction, Add</i>	66.87	
<b>06 41 13 00-0203 Wall Cabinets, 12" High, 23-3/4" Deep (06 41 13 00-0114)</b>					
06 41 13 00-0204	EA		30" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet .....	369.76	55.52
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0205	EA		33" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet .....	397.08	61.07
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0206	EA		36" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet .....	425.95	66.62
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0207	EA		39" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet .....	460.53	72.18
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0208	EA		48" Wide, 12" High x 23-3/4" Deep, Triple Door, Solid Oak Face Frame and Door, Wall Cabinet.....	542.81	88.84
			<i>For All Plywood Box Construction, Add</i>	66.87	
<b>06 41 13 00-0209 Utility Cabinets, 84" High (06 41 13 00-0114)</b>					
06 41 13 00-0210	EA		15" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet.....	708.60	49.35
			<i>For All Plywood Box Construction, Add</i>	247.23	
06 41 13 00-0211	EA		18" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet.....	801.42	59.22
			<i>For All Plywood Box Construction, Add</i>	247.23	
06 41 13 00-0212	EA		21" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet.....	900.31	463.91
			<i>For All Plywood Box Construction, Add</i>	247.23	
06 41 13 00-0213	EA		24" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet.....	946.53	78.97
			<i>For All Plywood Box Construction, Add</i>	247.23	
06 41 13 00-0214	EA		30" Wide, 84" High x 12" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet .....	1,142.70	98.70
			<i>For All Plywood Box Construction, Add</i>	247.23	
06 41 13 00-0215	EA		36" Wide, 84" High x 12" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet .....	1,316.57	118.45
			<i>For All Plywood Box Construction, Add</i>	247.23	
06 41 13 00-0216	EA		15" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet.....	799.79	49.35
			<i>For All Plywood Box Construction, Add</i>	247.23	
06 41 13 00-0217	EA		18" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet.....	884.50	59.22
			<i>For All Plywood Box Construction, Add</i>	247.23	
06 41 13 00-0218	EA		21" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet.....	1,008.73	69.09
			<i>For All Plywood Box Construction, Add</i>	247.23	
06 41 13 00-0219	EA		24" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet.....	1,072.17	78.97
			<i>For All Plywood Box Construction, Add</i>	247.23	
06 41 13 00-0220	EA		30" Wide, 84" High x 24" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet .....	1,327.10	98.70
			<i>For All Plywood Box Construction, Add</i>	247.23	
06 41 13 00-0221	EA		36" Wide, 84" High x 24" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet .....	1,516.18	118.45
			<i>For All Plywood Box Construction, Add</i>	247.23	
06 41 13 00-0222			<b>Solid Wood Face Frame And Thermofoil Door, Wall And Base Cabinets (06 41 13 00-0005)</b>		
06 41 13 00-0223			<b>Base Cabinets, 35" High, 23-3/4" Deep (06 41 13 00-0222)</b>		

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

UNIT COST

DEMOLITION

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41	13 00-0224	EA	12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	359.40 119.56 124.63	22.20
06 41	13 00-0225	EA	15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	382.05 119.56 124.63	27.76
06 41	13 00-0226	EA	18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	399.47 119.56 124.63	33.31
06 41	13 00-0227	EA	21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	420.74 119.56 124.63	38.87
06 41	13 00-0228	EA	24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	477.87 119.56 124.63	44.42
06 41	13 00-0229	EA	27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	500.23 119.56 124.63	49.97
06 41	13 00-0230	EA	30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	539.98 119.56 124.63	55.52
06 41	13 00-0231	EA	33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	569.33 119.56 124.63	61.07
06 41	13 00-0232	EA	36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	587.05 119.56 124.63	66.62
06 41	13 00-0233	EA	48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	669.52 239.12 124.63	88.84
06 41	13 00-0234	EA	30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	740.60 239.12 124.63	55.52
06 41	13 00-0235	EA	36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	821.10 239.12 124.63	66.62
06 41	13 00-0236	EA	30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	777.08 358.68 124.63	55.52
06 41	13 00-0237	EA	36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	866.70 358.68 124.63	66.62
06 41	13 00-0238	EA	12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	365.48 358.68 124.63	22.20
06 41	13 00-0239	EA	15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	373.94 358.68 124.63	27.76
06 41	13 00-0240	EA	18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	407.57 358.68 124.63	33.31
06 41	13 00-0241	EA	21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	433.91 358.68 124.63	38.87
06 41	13 00-0242	EA	24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	452.53 358.68 124.63	44.42
06 41	13 00-0243	EA	27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	474.90 358.68 124.63	49.97
06 41	13 00-0244	EA	30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	775.05 358.68 124.63	55.52
06 41	13 00-0245	EA	33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	816.55 358.68 124.63	61.07

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0246	EA		36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	858.59	66.62
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0247	EA		12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	446.54	22.20
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0248	EA		15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	457.03	27.76
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0249	EA		18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	495.72	33.31
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0250	EA		21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	527.13	38.87
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0251	EA		24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	553.86	44.42
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0252	EA		27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	582.30	49.97
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0253	EA		30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	812.54	55.52
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0254	EA		33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	859.11	61.07
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
			<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0255	EA		36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	907.23	66.62
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
			<i>For All Plywood Box Construction, Add</i>	124.63	
<b>06 41 13 00-0256</b>			<b>Wall Cabinets, 12" High, 12" Deep</b> (06 41 13 00-0222)		
06 41 13 00-0257	EA		30" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	322.93	55.52
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0258	EA		33" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	344.06	61.07
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0259	EA		36" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	379.20	66.62
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0260	EA		39" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	404.53	72.18
			<i>For All Plywood Box Construction, Add</i>	66.87	
<b>06 41 13 00-0261</b>			<b>Wall Cabinets, 14" High, 12" Deep</b> (06 41 13 00-0222)		
06 41 13 00-0262	EA		12" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	274.69	22.20
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0263	EA		15" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	280.97	27.76
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0264	EA		18" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	294.33	33.31
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0265	EA		21" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	302.63	38.87
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0266	EA		24" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	310.93	44.42
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0267	EA		30" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	325.31	55.52
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0268	EA		33" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	347.79	61.07
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0269	EA		36" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	379.20	66.62
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0270	EA		39" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	404.53	72.18
			<i>For All Plywood Box Construction, Add</i>	66.87	
<b>06 41 13 00-0271</b>			<b>Wall Cabinets, 18" High, 12" Deep</b> (06 41 13 00-0222)		
06 41 13 00-0272	EA		12" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	284.83	22.20
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0273	EA		15" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	299.20	27.76
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0274	EA		18" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	310.54	33.31
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0275	EA		21" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	322.89	38.87
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0276	EA		24" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	339.30	44.42
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0277	EA		27" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	358.65	49.99
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0278	EA		30" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	374.96	55.52
			<i>For All Plywood Box Construction, Add</i>	66.87	

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 41 Architectural Wood Casework**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

06 41 13 00-0279	EA	33" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	389.33	61.07
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0280	EA	36" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	397.43	66.62
		<i>For All Plywood Box Construction, Add</i>	66.87	
<b>06 41 13 00-0281 Wall Cabinets, 30" High, 12" Deep (06 41 13 00-0222)</b>				
06 41 13 00-0282	EA	12" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	310.76	22.20
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0283	EA	15" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	338.35	27.76
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0284	EA	18" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	360.61	33.31
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0285	EA	21" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	387.18	38.87
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0286	EA	24" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	413.79	44.42
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0287	EA	27" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	453.38	49.99
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0288	EA	30" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	464.62	55.52
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0289	EA	33" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	505.51	61.07
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0290	EA	36" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	521.07	66.62
		<i>For All Plywood Box Construction, Add</i>	66.87	
<b>06 41 13 00-0291 Wall Cabinets, 36" High, 12" Deep (06 41 13 00-0222)</b>				
06 41 13 00-0292	EA	12" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	349.26	22.20
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0293	EA	15" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	377.87	27.76
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0294	EA	18" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	403.16	33.31
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0295	EA	21" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	431.76	38.87
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0296	EA	24" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	505.99	44.42
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0297	EA	27" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	508.09	49.99
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0298	EA	30" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	526.43	55.52
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0299	EA	33" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	575.43	61.07
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0300	EA	36" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	589.96	66.62
		<i>For All Plywood Box Construction, Add</i>	66.87	
<b>06 41 13 00-0301 Wall Cabinets, 42" High, 12" Deep (06 41 13 00-0222)</b>				
06 41 13 00-0302	EA	12" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	388.78	22.20
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0303	EA	15" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	424.48	27.76
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0304	EA	18" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	451.80	33.31
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0305	EA	21" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	479.38	38.87
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0306	EA	24" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	522.20	44.42
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0307	EA	27" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	556.73	49.99
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0308	EA	30" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	585.19	55.52
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0309	EA	33" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	640.27	61.07
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0310	EA	36" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	659.88	66.62
		<i>For All Plywood Box Construction, Add</i>	66.87	
<b>06 41 13 00-0311 Wall Cabinets, 12" High, 23-3/4" Deep (06 41 13 00-0222)</b>				
06 41 13 00-0312	EA	30" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	369.76	55.52
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0313	EA	33" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	397.08	61.07
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0314	EA	36" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	425.95	66.62
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0315	EA	39" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	460.53	72.18
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0316	EA	48" Wide, 12" High x 23-3/4" Deep, Triple Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	542.81	88.84
		<i>For All Plywood Box Construction, Add</i>	66.87	
<b>06 41 13 00-0317 Utility Cabinets, 84" High (06 41 13 00-0222)</b>				
06 41 13 00-0318	EA	15" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	708.60	49.35
		<i>For All Plywood Box Construction, Add</i>	247.23	
06 41 13 00-0319	EA	18" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	801.42	59.22
		<i>For All Plywood Box Construction, Add</i>	247.23	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41	13 00-0320	EA	21" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet ..... <i>For All Plywood Box Construction, Add</i>	900.31 247.23	463.91
06 41	13 00-0321	EA	24" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet ..... <i>For All Plywood Box Construction, Add</i>	946.53 247.23	78.97
06 41	13 00-0322	EA	30" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	1,142.70 247.23	98.70
06 41	13 00-0323	EA	36" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	1,316.57 247.23	118.45
06 41	13 00-0324	EA	15" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet ..... <i>For All Plywood Box Construction, Add</i>	799.79 247.23	49.35
06 41	13 00-0325	EA	18" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet ..... <i>For All Plywood Box Construction, Add</i>	884.50 247.23	59.22
06 41	13 00-0326	EA	21" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet ..... <i>For All Plywood Box Construction, Add</i>	1,008.73 247.23	69.09
06 41	13 00-0327	EA	24" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet ..... <i>For All Plywood Box Construction, Add</i>	1,072.17 247.23	78.97
06 41	13 00-0328	EA	30" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	1,327.10 247.23	98.70
06 41	13 00-0329	EA	36" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	1,516.18 247.23	118.45
06 41	13 00-0330		<b>Solid Wood Face Frame And Decorative Laminate Veneer Door, Wall And Base Cabinets</b> (06 41 13 00-0005)		
06 41	13 00-0331		<b>Base Cabinets, 35" High, 23-3/4" Deep</b> (06 41 13 00-0330)		
06 41	13 00-0332	EA	12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	359.40 119.56 124.63	22.20
06 41	13 00-0333	EA	15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	382.05 119.56 124.63	27.76
06 41	13 00-0334	EA	18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	399.47 119.56 124.63	33.31
06 41	13 00-0335	EA	21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	420.74 119.56 124.63	38.87
06 41	13 00-0336	EA	24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	477.87 119.56 124.63	44.42
06 41	13 00-0337	EA	27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	500.23 119.56 124.63	49.97
06 41	13 00-0338	EA	30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	539.98 119.56 124.63	55.52
06 41	13 00-0339	EA	33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	569.33 119.56 124.63	61.07
06 41	13 00-0340	EA	36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	587.05 119.56 124.63	66.62
06 41	13 00-0341	EA	48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	669.52 239.12 124.63	88.84
06 41	13 00-0342	EA	30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	740.60 239.12 124.63	55.52
06 41	13 00-0343	EA	36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	821.10 239.12 124.63	66.62
06 41	13 00-0344	EA	30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	777.08 358.68 124.63	55.52
06 41	13 00-0345	EA	36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	866.70 358.68 124.63	66.62
06 41	13 00-0346	EA	12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	365.48 358.68 124.63	22.20
06 41	13 00-0347	EA	15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	373.94 358.68 124.63	27.76

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 41 Architectural Wood Casework**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

06 41 13 00-0348	EA	18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	407.57	33.31
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
		<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0349	EA	21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	433.91	38.87
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
		<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0350	EA	24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	452.53	44.42
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
		<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0351	EA	27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	474.90	49.97
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
		<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0352	EA	30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	775.05	55.52
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
		<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0353	EA	33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	816.55	61.07
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
		<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0354	EA	36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	858.59	66.62
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	358.68	
		<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0355	EA	12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	446.54	22.20
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
		<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0356	EA	15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	457.03	27.76
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
		<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0357	EA	18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	495.72	33.31
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
		<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0358	EA	21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	527.13	38.87
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
		<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0359	EA	24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	553.86	44.42
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
		<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0360	EA	27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	582.30	49.97
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
		<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0361	EA	30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	812.54	55.52
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
		<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0362	EA	33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	859.11	61.07
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
		<i>For All Plywood Box Construction, Add</i>	124.63	
06 41 13 00-0363	EA	36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	907.23	66.62
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	478.24	
		<i>For All Plywood Box Construction, Add</i>	124.63	
<b>06 41 13 00-0364</b>		<b>Wall Cabinets, 12" High, 12" Deep</b> (06 41 13 00-0330)		
06 41 13 00-0365	EA	30" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	322.93	55.52
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0366	EA	33" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	344.06	61.07
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0367	EA	36" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	379.20	66.62
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0368	EA	39" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	404.53	72.18
		<i>For All Plywood Box Construction, Add</i>	66.87	
<b>06 41 13 00-0369</b>		<b>Wall Cabinets, 14" High, 12" Deep</b> (06 41 13 00-0330)		
06 41 13 00-0370	EA	12" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	274.69	22.20
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0371	EA	15" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	280.97	27.76
		<i>For All Plywood Box Construction, Add</i>	66.87	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0372	EA		18" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	294.33	33.31
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0373	EA		21" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	302.63	38.87
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0374	EA		24" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	310.93	44.42
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0375	EA		30" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	325.31	55.52
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0376	EA		33" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	347.79	61.07
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0377	EA		36" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	379.20	66.62
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0378	EA		39" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	404.53	72.18
			<i>For All Plywood Box Construction, Add</i>	66.87	
<b>06 41 13 00-0379</b>			<b>Wall Cabinets, 18" High, 12" Deep (06 41 13 00-0330)</b>		
06 41 13 00-0380	EA		12" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	284.83	22.20
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0381	EA		15" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	299.20	27.76
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0382	EA		18" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	310.54	33.31
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0383	EA		21" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	322.89	38.87
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0384	EA		24" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	339.30	44.42
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0385	EA		27" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	358.65	49.99
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0386	EA		30" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	374.96	55.52
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0387	EA		33" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	389.33	61.07
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0388	EA		36" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	397.43	66.62
			<i>For All Plywood Box Construction, Add</i>	66.87	
<b>06 41 13 00-0389</b>			<b>Wall Cabinets, 30" High, 12" Deep (06 41 13 00-0330)</b>		
06 41 13 00-0390	EA		12" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	310.76	22.20
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0391	EA		15" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	338.35	27.76
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0392	EA		18" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	360.61	33.31
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0393	EA		21" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	387.18	38.87
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0394	EA		24" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	413.79	44.42
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0395	EA		27" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	453.38	49.99
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0396	EA		30" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	464.62	55.52
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0397	EA		33" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	505.51	61.07
			<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0398	EA		36" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	521.07	66.62
			<i>For All Plywood Box Construction, Add</i>	66.87	
<b>06 41 13 00-0399</b>			<b>Wall Cabinets, 36" High, 12" Deep (06 41 13 00-0330)</b>		
06 41 13 00-0400	EA		12" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	349.26	22.20
			<i>For All Plywood Box Construction, Add</i>	66.87	

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 41 Architectural Wood Casework**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

06 41 13 00-0401	EA	15" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	377.87	27.76
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0402	EA	18" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	403.16	33.31
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0403	EA	21" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	431.76	38.87
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0404	EA	24" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	505.99	44.42
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0405	EA	27" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	508.09	49.99
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0406	EA	30" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	526.43	55.52
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0407	EA	33" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	575.43	61.07
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0408	EA	36" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	589.96	66.62
		<i>For All Plywood Box Construction, Add</i>	66.87	
<b>06 41 13 00-0409</b>		<b>Wall Cabinets, 42" High, 12" Deep</b> (06 41 13 00-0330)		
06 41 13 00-0410	EA	12" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	388.78	22.20
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0411	EA	15" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	424.48	27.76
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0412	EA	18" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	451.80	33.31
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0413	EA	21" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	479.38	38.87
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0414	EA	24" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	522.20	44.42
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0415	EA	27" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	556.73	49.99
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0416	EA	30" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	585.19	55.52
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0417	EA	33" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	640.27	61.07
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0418	EA	36" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	659.88	66.62
		<i>For All Plywood Box Construction, Add</i>	66.87	
<b>06 41 13 00-0419</b>		<b>Wall Cabinets, 12" High, 23-3/4" Deep</b> (06 41 13 00-0330)		
06 41 13 00-0420	EA	30" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	369.76	55.52
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0421	EA	33" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	397.08	61.07
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0422	EA	36" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	425.95	66.62
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0423	EA	39" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	460.53	72.18
		<i>For All Plywood Box Construction, Add</i>	66.87	
06 41 13 00-0424	EA	48" Wide, 12" High x 23-3/4" Deep, Triple Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	542.81	88.84
		<i>For All Plywood Box Construction, Add</i>	66.87	
<b>06 41 13 00-0425</b>		<b>Utility Cabinets, 84" High</b> (06 41 13 00-0330)		
06 41 13 00-0426	EA	15" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	708.60	49.35
		<i>For All Plywood Box Construction, Add</i>	247.23	
06 41 13 00-0427	EA	18" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	801.42	59.22
		<i>For All Plywood Box Construction, Add</i>	247.23	
06 41 13 00-0428	EA	21" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	900.31	463.91
		<i>For All Plywood Box Construction, Add</i>	247.23	
06 41 13 00-0429	EA	24" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	946.53	78.97
		<i>For All Plywood Box Construction, Add</i>	247.23	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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06 41 13 00-0430	EA		30" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	1,142.70	98.70
			<i>For All Plywood Box Construction, Add</i>	247.23	
06 41 13 00-0431	EA		36" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	1,316.57	118.45
			<i>For All Plywood Box Construction, Add</i>	247.23	
06 41 13 00-0432	EA		15" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	799.79	49.35
			<i>For All Plywood Box Construction, Add</i>	247.23	
06 41 13 00-0433	EA		18" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	884.50	59.22
			<i>For All Plywood Box Construction, Add</i>	247.23	
06 41 13 00-0434	EA		21" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	1,008.73	69.09
			<i>For All Plywood Box Construction, Add</i>	247.23	
06 41 13 00-0435	EA		24" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	1,072.17	78.97
			<i>For All Plywood Box Construction, Add</i>	247.23	
06 41 13 00-0436	EA		30" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	1,327.10	98.70
			<i>For All Plywood Box Construction, Add</i>	247.23	
06 41 13 00-0437	EA		36" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	1,516.18	118.45
			<i>For All Plywood Box Construction, Add</i>	247.23	

**06 41 93 Cabinet and Drawer Hardware (06 41)**
**06 41 93 00-0001 Cabinet Hardware (06 41 93)**

Note: Includes all finishes, and mounting screws.

06 41 93 00-0002	EA		4" To 6" Long, 1/2" Diameter, Cabinet Bar Pull.....	26.54	9.44
06 41 93 00-0003	EA		7" To 9" Long, 1/2" Diameter, Cabinet Bar Pull.....	27.35	9.44
06 41 93 00-0004	EA		10" To 12" Long, 1/2" Diameter, Cabinet Bar Pull.....	28.76	9.44
06 41 93 00-0005	EA		3" To 4-1/2", Flat Cabinet Pull Handle.....	30.33	9.44
06 41 93 00-0006	EA		5" To 6-1/2", Flat Cabinet Pull Handle.....	31.14	9.44
06 41 93 00-0007	EA		7" To 8-1/2", Flat Cabinet Pull Handle.....	39.81	9.44
06 41 93 00-0008	EA		12" To 12-1/2", Flat Cabinet Pull Handle.....	75.74	9.44
06 41 93 00-0009	EA		1-7/16" Diameter, Mushroom Cabinet Pull Knobs.....	20.65	7.22
06 41 93 00-0010	EA		3-7/16" x 1-5/8" x 1" Projection, Cabinet Cup Pull.....	20.51	7.22
06 41 93 00-0011	EA		1-1/4" Long, Finger Cabinet Pull.....	27.91	8.33
06 41 93 00-0012	EA		3" Long, Finger Cabinet Pull.....	31.69	8.33
06 41 93 00-0013	EA		4" Long, Finger Cabinet Pull.....	34.26	8.33
06 41 93 00-0014	EA		6" Long, Finger Cabinet Pull.....	37.80	8.33
06 41 93 00-0015	EA		12" Long, Finger Cabinet Pull.....	54.19	8.33
06 41 93 00-0016	EA		Cabinet Spring Loaded Adjustable Barrel Ball Catch.....	40.21	11.11
06 41 93 00-0017	EA		Cabinet Door or Drawer Bored Lock with 2 Keys.....	53.24	9.44
06 41 93 00-0018	EA		Cabinet Surface Mounted Slide or Barrel Bolt Latch.....	36.01	9.44

**06 42 Wood Paneling (06 40)**

Note: Includes glue for installation.

**06 42 13 Wood Board Paneling (06 42)**
**06 42 13 00-0001 Solid Wood Paneling (06 42 13)**
**06 42 13 00-0002 7/16" Solid Wood Paneling, Tongue And Groove, 3" To 5" Wide (06 42 13 00-0001)**

06 42 13 00-0003	SF		Homestead Cedar Paneling Tongue And Groove, 7/16".....	10.64	2.34
06 42 13 00-0004	SF		Homestead Juniper Paneling Tongue And Groove, 7/16".....	11.22	2.34

**06 42 13 00-0005 7/16" Solid Wood Paneling, Tongue And Groove, 6" To 10" Wide (06 42 13 00-0001)**

06 42 13 00-0006	SF		8" Random Plank Tongue And Groove, 7/16".....	12.46	2.22
06 42 13 00-0007	SF		8" Solid Plank Tongue And Groove, 7/16".....	11.57	2.22

**06 42 13 00-0008 1/2" Solid Wood Paneling, Tongue And Groove, 4" To 6" Wide (06 42 13 00-0001)**

06 42 13 00-0009	SF		Alder Wood Tongue And Groove Paneling, 1/2".....	12.37	2.34
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**06 42 13 00-0010 1" Solid Wood Paneling, Shiplap, 6" To 8" Wide (06 42 13 00-0001)**

06 42 13 00-0011	SF		1" Terebo (Driftwood) Wood Shiplap.....	7.90	1.99
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**06 42 16 Flush Wood Paneling (06 42)**
**06 42 16 00-0001 Veneer Hardboard Panels (06 42 16)**

06 42 16 00-0002	SF		1/4" Maple Veneer Paneling.....	6.26	2.01
			<i>For Waterproof Glue, Add</i>	0.12	
			<i>For Ceiling Installation, Add</i>	1.37	

**06 42 16 00-0003 Plywood Unfinished With Trim 1/4" Thick (06 42 16)**
**06 42 16 00-0004 Birch (06 42 16 00-0003)**

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 42 Wood Paneling**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

06 42 16 00-0005	SF	1/4" Unfinished Birch Plywood, Natural Faced With Trim	6.95	1.79
		<i>For Waterproof Glue, Add</i>	0.21	
		<i>For Ceiling Installation, Add</i>	1.21	
		<i>For Installation On Metal Studs Or Furring, Add</i>	0.44	
		<i>For Glue Laminated Installation, Add</i>	0.35	
		<i>For Lumber Core, Add</i>	0.32	
		<i>For 1/8" Thick Paneling, Deduct</i>	-0.77	
		<i>For 1/2" Thick Paneling, Add</i>	2.06	
		<i>For 5/8" Thick Paneling, Add</i>	2.68	
		<i>For 3/4" Thick Paneling, Add</i>	3.47	
		<i>For Fire Retardant Treatment (Class I), Add</i>	2.31	
06 42 16 00-0006	SF	1/4" Unfinished Birch Plywood, Select With Trim	7.15	1.79
		<i>For Waterproof Glue, Add</i>	0.22	
		<i>For Ceiling Installation, Add</i>	1.21	
		<i>For Installation On Metal Studs Or Furring, Add</i>	0.44	
		<i>For Glue Laminated Installation, Add</i>	0.36	
		<i>For Lumber Core, Add</i>	0.34	
		<i>For 1/8" Thick Paneling, Deduct</i>	-0.80	
		<i>For 1/2" Thick Paneling, Add</i>	2.17	
		<i>For 5/8" Thick Paneling, Add</i>	2.83	
		<i>For 3/4" Thick Paneling, Add</i>	3.68	
		<i>For Fire Retardant Treatment (Class I), Add</i>	2.47	
<b>06 42 16 00-0007</b>		<b>Knotty Pine</b> <small>(06 42 16 00-0003)</small>		
06 42 16 00-0008	SF	1/4" Knotty Pine Plywood, Grade AA Unfinished With Trim	8.33	2.01
		<i>For Waterproof Glue, Add</i>	0.27	
		<i>For Ceiling Installation, Add</i>	1.34	
		<i>For Installation On Metal Studs Or Furring, Add</i>	0.49	
		<i>For Glue Laminated Installation, Add</i>	0.42	
		<i>For Lumber Core, Add</i>	0.42	
		<i>For 1/8" Thick Paneling, Deduct</i>	-0.96	
		<i>For 1/2" Thick Paneling, Add</i>	2.62	
		<i>For 5/8" Thick Paneling, Add</i>	3.43	
		<i>For 3/4" Thick Paneling, Add</i>	4.47	
		<i>For Fire Retardant Treatment (Class I), Add</i>	3.05	
06 42 16 00-0009	SF	1/4" Knotty Pine Plywood, Grade AD Unfinished With Trim	8.16	2.01
		<i>For Waterproof Glue, Add</i>	0.26	
		<i>For Ceiling Installation, Add</i>	1.34	
		<i>For Installation On Metal Studs Or Furring, Add</i>	0.49	
		<i>For Glue Laminated Installation, Add</i>	0.41	
		<i>For Lumber Core, Add</i>	0.41	
		<i>For 1/8" Thick Paneling, Deduct</i>	-0.93	
		<i>For 1/2" Thick Paneling, Add</i>	2.53	
		<i>For 5/8" Thick Paneling, Add</i>	3.30	
		<i>For 3/4" Thick Paneling, Add</i>	4.30	
		<i>For Fire Retardant Treatment (Class I), Add</i>	2.92	
<b>06 42 16 00-0010</b>		<b>Cedar (Aromatic - Closet Lining)</b> <small>(06 42 16 00-0003)</small>		
06 42 16 00-0011	SF	1/4" Cedar Plywood, Standard Grade Unfinished With Trim, Closet Lining	7.50	2.24
		<i>For Waterproof Glue, Add</i>	0.17	
		<i>For Ceiling Installation, Add</i>	1.51	
		<i>For Installation On Metal Studs Or Furring, Add</i>	0.55	
		<i>For Glue Laminated Installation, Add</i>	0.38	
		<i>For Lumber Core, Add</i>	0.27	
		<i>For 1/8" Thick Paneling, Deduct</i>	-0.76	
		<i>For 1/2" Thick Paneling, Add</i>	1.94	
		<i>For 5/8" Thick Paneling, Add</i>	2.46	
		<i>For 3/4" Thick Paneling, Add</i>	3.12	
		<i>For Fire Retardant Treatment (Class I), Add</i>	1.95	
06 42 16 00-0012	SF	1/4" Cedar Plywood, Particle Board Unfinished With Trim, Closet Lining	5.88	2.24
		<i>For Waterproof Glue, Add</i>	0.06	
		<i>For Ceiling Installation, Add</i>	1.51	
		<i>For Installation On Metal Studs Or Furring, Add</i>	0.55	
		<i>For Glue Laminated Installation, Add</i>	0.29	
		<i>For Lumber Core, Add</i>	0.09	
		<i>For 1/8" Thick Paneling, Deduct</i>	-0.49	
		<i>For 1/2" Thick Paneling, Add</i>	1.06	
		<i>For 5/8" Thick Paneling, Add</i>	1.24	
		<i>For 3/4" Thick Paneling, Add</i>	1.47	
		<i>For Fire Retardant Treatment (Class I), Add</i>	0.67	
<b>06 42 16 00-0013</b>		<b>Top Grade Plywood Prefinished With Trim 1/4" Thick</b> <small>(06 42 16)</small>		
06 42 16 00-0014	SF	1/4" Top Grade Plywood, Birch Veneer Prefinished With Trim	7.74	2.01
		<i>For Fitch Matched Veneer, Add</i>	1.64	
		<i>For Second Grade Veneer, Deduct</i>	-0.33	
		<i>For Third Grade Veneer, Deduct</i>	-0.49	
		<i>For Waterproof Glue, Add</i>	0.23	
		<i>For Ceiling Installation, Add</i>	1.34	
		<i>For Installation On Metal Studs Or Furring, Add</i>	0.49	
		<i>For Glue Laminated Installation, Add</i>	0.39	
		<i>For Lumber Core, Add</i>	0.36	
		<i>For 1/8" Thick Paneling, Deduct</i>	-0.86	
		<i>For 1/2" Thick Paneling, Add</i>	2.30	
		<i>For 5/8" Thick Paneling, Add</i>	2.99	
		<i>For 3/4" Thick Paneling, Add</i>	3.87	
		<i>For Fire Retardant Treatment (Class I), Add</i>	2.58	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 42 16 00-0015	SF		1/4" Top Grade Plywood, Cherry Veneer Prefinished With Trim .....	9.19	2.01
			For Fitch Matched Veneer, Add	2.36	
			For Second Grade Veneer, Deduct	-0.47	
			For Third Grade Veneer, Deduct	-0.71	
			For Waterproof Glue, Add	0.33	
			For Ceiling Installation, Add	1.34	
			For Installation On Metal Studs Or Furring, Add	0.49	
			For Glue Laminated Installation, Add	0.46	
			For Lumber Core, Add	0.52	
			For 1/8" Thick Paneling, Deduct	-1.10	
			For 1/2" Thick Paneling, Add	3.09	
			For 5/8" Thick Paneling, Add	4.08	
			For 3/4" Thick Paneling, Add	5.35	
			For Fire Retardant Treatment (Class I), Add	3.73	
06 42 16 00-0016	SF		1/4" Top Grade Plywood, Chestnut Veneer Prefinished With Trim .....	15.50	2.01
			For Fitch Matched Veneer, Add	5.08	
			For Second Grade Veneer, Deduct	-1.02	
			For Third Grade Veneer, Deduct	-1.52	
			For Waterproof Glue, Add	0.71	
			For Ceiling Installation, Add	1.61	
			For Installation On Metal Studs Or Furring, Add	0.59	
			For Glue Laminated Installation, Add	0.78	
			For Lumber Core, Add	1.12	
			For 1/8" Thick Paneling, Deduct	-2.07	
			For 1/2" Thick Paneling, Add	6.12	
			For 5/8" Thick Paneling, Add	8.25	
			For 3/4" Thick Paneling, Add	11.00	
			For Fire Retardant Treatment (Class I), Add	8.02	
06 42 16 00-0017	SF		1/4" Top Grade Plywood, Lauan Veneer Prefinished With Trim .....	6.17	2.01
			For Fitch Matched Veneer, Add	1.08	
			For Second Grade Veneer, Deduct	-0.22	
			For Third Grade Veneer, Deduct	-0.32	
			For Waterproof Glue, Add	0.15	
			For Ceiling Installation, Add	1.20	
			For Installation On Metal Studs Or Furring, Add	0.44	
			For Glue Laminated Installation, Add	0.31	
			For Lumber Core, Add	0.24	
			For 1/8" Thick Paneling, Deduct	-0.64	
			For 1/2" Thick Paneling, Add	1.65	
			For 5/8" Thick Paneling, Add	2.10	
			For 3/4" Thick Paneling, Add	2.68	
			For Fire Retardant Treatment (Class I), Add	1.71	
06 42 16 00-0018	SF		1/4" Top Grade Plywood, Mahogany Veneer Prefinished With Trim .....	13.20	2.01
			For Fitch Matched Veneer, Add	4.09	
			For Second Grade Veneer, Deduct	-0.82	
			For Third Grade Veneer, Deduct	-1.23	
			For Waterproof Glue, Add	0.57	
			For Ceiling Installation, Add	1.51	
			For Installation On Metal Studs Or Furring, Add	0.55	
			For Glue Laminated Installation, Add	0.66	
			For Lumber Core, Add	0.90	
			For 1/8" Thick Paneling, Deduct	-1.72	
			For 1/2" Thick Paneling, Add	5.02	
			For 5/8" Thick Paneling, Add	6.73	
			For 3/4" Thick Paneling, Add	8.94	
			For Fire Retardant Treatment (Class I), Add	6.45	
06 42 16 00-0019	SF		1/4" Top Grade Plywood, Red Oak Veneer Prefinished With Trim .....	8.09	2.01
			For Fitch Matched Veneer, Add	1.81	
			For Second Grade Veneer, Deduct	-0.36	
			For Third Grade Veneer, Deduct	-0.54	
			For Waterproof Glue, Add	0.25	
			For Ceiling Installation, Add	1.34	
			For Installation On Metal Studs Or Furring, Add	0.49	
			For Glue Laminated Installation, Add	0.40	
			For Lumber Core, Add	0.40	
			For 1/8" Thick Paneling, Deduct	-0.92	
			For 1/2" Thick Paneling, Add	2.49	
			For 5/8" Thick Paneling, Add	3.25	
			For 3/4" Thick Paneling, Add	4.23	
			For Fire Retardant Treatment (Class I), Add	2.86	
06 42 16 00-0020	SF		1/4" Top Grade Plywood, Pecan Veneer Prefinished With Trim .....	9.81	2.01
			For Fitch Matched Veneer, Add	2.39	
			For Second Grade Veneer, Deduct	-0.48	
			For Third Grade Veneer, Deduct	-0.72	
			For Waterproof Glue, Add	0.33	
			For Ceiling Installation, Add	1.51	
			For Installation On Metal Studs Or Furring, Add	0.55	
			For Glue Laminated Installation, Add	0.49	
			For Lumber Core, Add	0.53	
			For 1/8" Thick Paneling, Deduct	-1.15	
			For 1/2" Thick Paneling, Add	3.18	
			For 5/8" Thick Paneling, Add	4.19	
			For 3/4" Thick Paneling, Add	5.48	
			For Fire Retardant Treatment (Class I), Add	3.78	

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 42 Wood Paneling**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

06 42 16 00-0021	SF	1/4" Top Grade Plywood, Rosewood Veneer Prefinished With Trim .....	17.86	2.01
		For Flitch Matched Veneer, Add	5.79	
		For Second Grade Veneer, Deduct	-1.16	
		For Third Grade Veneer, Deduct	-1.74	
		For Waterproof Glue, Add	0.81	
		For Ceiling Installation, Add	1.89	
		For Installation On Metal Studs Or Furring, Add	0.69	
		For Glue Laminated Installation, Add	0.89	
		For Lumber Core, Add	1.27	
		For 1/8" Thick Paneling, Deduct	-2.37	
		For 1/2" Thick Paneling, Add	7.00	
		For 5/8" Thick Paneling, Add	9.43	
		For 3/4" Thick Paneling, Add	12.56	
		For Fire Retardant Treatment (Class I), Add	9.14	
06 42 16 00-0022	SF	1/4" Top Grade Plywood, Teak Veneer Prefinished With Trim .....	13.18	2.01
		For Flitch Matched Veneer, Add	4.08	
		For Second Grade Veneer, Deduct	-0.82	
		For Third Grade Veneer, Deduct	-1.22	
		For Waterproof Glue, Add	0.57	
		For Ceiling Installation, Add	1.51	
		For Installation On Metal Studs Or Furring, Add	0.55	
		For Glue Laminated Installation, Add	0.66	
		For Lumber Core, Add	0.90	
		For 1/8" Thick Paneling, Deduct	-1.71	
		For 1/2" Thick Paneling, Add	5.00	
		For 5/8" Thick Paneling, Add	6.72	
		For 3/4" Thick Paneling, Add	8.92	
		For Fire Retardant Treatment (Class I), Add	6.44	
06 42 16 00-0023	SF	1/4" Top Grade Plywood, Walnut Veneer Prefinished With Trim .....	11.41	2.01
		For Flitch Matched Veneer, Add	3.47	
		For Second Grade Veneer, Deduct	-0.69	
		For Third Grade Veneer, Deduct	-1.04	
		For Waterproof Glue, Add	0.49	
		For Ceiling Installation, Add	1.34	
		For Installation On Metal Studs Or Furring, Add	0.49	
		For Glue Laminated Installation, Add	0.57	
		For Lumber Core, Add	0.76	
		For 1/8" Thick Paneling, Deduct	-1.47	
		For 1/2" Thick Paneling, Add	4.28	
		For 5/8" Thick Paneling, Add	5.74	
		For 3/4" Thick Paneling, Add	7.62	
		For Fire Retardant Treatment (Class I), Add	5.48	
06 42 16 00-0024	SF	1/4" Top Grade Plywood, Maple Veneer Prefinished With Trim .....	8.16	2.01
		For Flitch Matched Veneer, Add	1.85	
		For Second Grade Veneer, Deduct	-0.37	
		For Third Grade Veneer, Deduct	-0.55	
		For Waterproof Glue, Add	0.26	
		For Ceiling Installation, Add	1.34	
		For Installation On Metal Studs Or Furring, Add	0.49	
		For Glue Laminated Installation, Add	0.41	
		For Lumber Core, Add	0.41	
		For 1/8" Thick Paneling, Deduct	-0.93	
		For 1/2" Thick Paneling, Add	2.53	
		For 5/8" Thick Paneling, Add	3.30	
		For 3/4" Thick Paneling, Add	4.30	
		For Fire Retardant Treatment (Class I), Add	2.92	

**06 42 16 00-0025 Accessories (06 42 16)**

06 42 16 00-0026	EA	Aluminum Panel Retainer "J" With Bolt .....	28.72	
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**06 42 19 Plastic-Laminate-Faced Wood Paneling (06 42)****06 42 19 00-0001 Plastic Laminate (06 42 19)**

Note: Standard colors and patterns.

06 42 19 00-0002	SF	1/16" Plastic Laminate Faced Panel .....	9.87	3.89
		Note: Includes cutting to fit.		

**06 43 Wood Stairs and Railings (06 40)****06 43 13 Wood Stairs (06 43)****06 43 13 00-0001 Stair Parts (06 43 13)**

06 43 13 00-0002	EA	30" Baluster, Pine .....	54.31	22.54
06 43 13 00-0003	EA	30" Baluster, Birch .....	63.79	22.54
06 43 13 00-0004	EA	42" Baluster, Pine .....	61.11	23.31
06 43 13 00-0005	EA	42" Baluster, Birch .....	71.22	23.31
06 43 13 00-0006	EA	3-1/4" Wide Newels, Starting .....	316.12	88.58
06 43 13 00-0007	EA	3-1/4" Wide Newels, Landing .....	461.96	124.31
06 43 13 00-0008	LF	Oak Gooseneck, 1 Riser .....	192.75	77.70
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	25.51	
06 43 13 00-0009	LF	Oak Gooseneck, 2 Riser .....	225.11	85.36
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	28.04	
06 43 13 00-0010	LF	Oak Handrail, 2-1/2" x 3" With Quarter Turn .....	38.68	11.66
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	3.82	
06 43 13 00-0011	LF	1-1/16" x 9-1/2" Oak Stair Tread .....	49.68	6.55
		For Beech, Add	11.00	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	2.99	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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06 43 13 00-0012	LF		1-1/16" x 11-1/2" Oak Stair Tread..... <i>For Beech, Add</i> <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	60.10 14.12 2.99	6.55
06 43 13 00-0013	LF		1-1/16" x 11-1/2" Pine Stair Tread ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	27.80 2.99	6.55
06 43 13 00-0014	LF		3/4" x 7-1/2" High Beech Riser ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	37.61 3.13	6.77
06 43 13 00-0015	LF		3/4" x 7-1/2" High Oak Riser..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	35.39 3.13	6.77
06 43 13 00-0016	LF		3/4" x 7-1/2" High Fir Riser ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.17 3.13	6.77
06 43 13 00-0017	LF		3/4" x 7-1/2" High Pine Riser ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.48 3.13	6.77
06 43 13 00-0018	SF		Framed Stair Landings, 3/4" Plywood Surface, Per SF Of Landing.....	43.92	

**06 43 13 00-0019 Interior Box Stairs (06 43 13)**

Note: Factory cut and assembled straight closed box stairs, unfinished.

06 43 13 00-0020	EA		30" Wide Pine Box Stair, Per Riser..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Prefinished Stair Rail With Balusters And Newel, Add</i> <i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i> <i>For Oak Or Maple Treads, Add</i>	276.07 22.21 72.97 24.07 80.78	67.60
06 43 13 00-0021	EA		32" Wide Pine Box Stair, Per Riser..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Prefinished Stair Rail With Balusters And Newel, Add</i> <i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i> <i>For Oak Or Maple Treads, Add</i>	292.41 22.71 73.63 24.34 87.15	69.15
06 43 13 00-0022	EA		34" Wide Pine Box Stair, Per Riser..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Prefinished Stair Rail With Balusters And Newel, Add</i> <i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i> <i>For Oak Or Maple Treads, Add</i>	307.69 22.97 73.97 24.49 93.51	69.93
06 43 13 00-0023	EA		36" Wide Pine Box Stair, Per Riser..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Prefinished Stair Rail With Balusters And Newel, Add</i> <i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i> <i>For Oak Or Maple Treads, Add</i>	325.36 23.23 74.29 24.62 100.97	70.70
06 43 13 00-0024	EA		38" Wide Pine Box Stair, Per Riser..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Prefinished Stair Rail With Balusters And Newel, Add</i> <i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i> <i>For Oak Or Maple Treads, Add</i>	335.84 23.48 74.63 24.76 105.19	71.49
06 43 13 00-0025	EA		40" Wide Pine Box Stair, Per Riser..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Prefinished Stair Rail With Balusters And Newel, Add</i> <i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i> <i>For Oak Or Maple Treads, Add</i>	347.44 23.99 75.30 25.04 109.40	73.04
06 43 13 00-0026	EA		42" Wide Pine Box Stair, Per Riser..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Prefinished Stair Rail With Balusters And Newel, Add</i> <i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i> <i>For Oak Or Maple Treads, Add</i>	357.92 24.25 75.63 25.18 113.62	73.81
06 43 13 00-0027	EA		44" Wide Pine Box Stair, Per Riser..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Prefinished Stair Rail With Balusters And Newel, Add</i> <i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i> <i>For Oak Or Maple Treads, Add</i>	368.42 24.51 75.97 25.32 117.84	74.59
06 43 13 00-0028	EA		46" Wide Pine Box Stair, Per Riser..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Prefinished Stair Rail With Balusters And Newel, Add</i> <i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i> <i>For Oak Or Maple Treads, Add</i>	378.88 24.76 76.29 25.46 122.06	75.36
06 43 13 00-0029	EA		48" Wide Pine Box Stair, Per Riser..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Prefinished Stair Rail With Balusters And Newel, Add</i> <i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i> <i>For Oak Or Maple Treads, Add</i>	391.49 25.53 77.30 25.87 126.23	77.70

**06 43 16 Wood Railings (06 43)**
**06 43 16 00-0001 Handrails (06 43 16)**
**06 43 16 00-0002 Wood Handrail With Brackets (06 43 16 00-0001)**

Note: Includes pine, fir or red oak interior grade or pressure treated exterior grade handrail with brackets.

06 43 16 00-0003	LF		1-1/2" x 1-11/16", Wood Handrail With Brackets ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.24 2.55	5.55
06 43 16 00-0004	LF		1-7/8" x 2-5/8", Wood Handrail With Brackets ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.47 2.55	5.55
06 43 16 00-0005	LF		1-1/2" Diameter, Wood Handrail With Brackets.....	22.60	5.55
06 43 16 00-0006	LF		1-3/4" Diameter, Wood Handrail With Brackets.....	23.63	5.55
06 43 16 00-0007	LF		2" Diameter, Wood Handrail With Brackets.....	27.34	5.55
06 43 16 00-0008	LF		2-1/2" Diameter, Wood Handrail With Brackets.....	38.80	5.55

**06 44 Ornamental Woodwork (06 40)**
**06 44 39 Wood Posts and Columns (06 44)**

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 44 Ornamental Woodwork**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 44 39 00-0001			<b>Columns (06 44 39)</b>		
06 44 39 00-0002			<b>Pine Colonial Columns, Round Tapered With Cap And Base (06 44 39 00-0001)</b>		
			Note: Paint grade/finger jointed pine.		
06 44 39 00-0003	LF		6" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	67.30	6.43
06 44 39 00-0004	LF		8" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	84.21	9.39
06 44 39 00-0005	LF		10" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	103.32	10.88
06 44 39 00-0006	LF		12" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	123.75	11.37
06 44 39 00-0007	LF		14" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	276.79	12.86
06 44 39 00-0008	LF		16" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	321.58	13.85
06 44 39 00-0009	LF		18" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	387.18	14.84
06 44 39 00-0010	LF		20" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	462.34	15.83
06 44 39 00-0011	LF		6" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	77.53	6.43
06 44 39 00-0012	LF		8" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	92.41	9.39
06 44 39 00-0013	LF		10" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	114.64	10.88
06 44 39 00-0014	LF		12" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	135.85	11.37
06 44 39 00-0015	LF		14" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	301.38	12.86
06 44 39 00-0016	LF		16" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	409.79	13.85
06 44 39 00-0017	LF		18" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	441.82	14.84
06 44 39 00-0018	LF		20" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	497.47	15.83
06 44 39 00-0019			<b>Pine Colonial Columns, Round Non Tapered With Cap And Base (06 44 39 00-0001)</b>		
			Note: Paint grade/finger jointed pine.		
06 44 39 00-0020	LF		6" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	81.04	6.43
06 44 39 00-0021	LF		8" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base .....	99.82	9.39
06 44 39 00-0022	LF		10" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base .....	123.62	10.88
06 44 39 00-0023	LF		12" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base .....	149.12	11.37
06 44 39 00-0024	LF		14" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base .....	340.45	12.86
06 44 39 00-0025	LF		16" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base .....	396.13	13.85
06 44 39 00-0026	LF		18" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base .....	477.85	14.84
06 44 39 00-0027	LF		20" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base .....	571.55	15.83
06 44 39 00-0028	LF		6" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base .....	93.84	6.43
06 44 39 00-0029	LF		8" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base .....	111.02	9.39
06 44 39 00-0030	LF		10" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base .....	138.29	10.88
06 44 39 00-0031	LF		12" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base .....	164.65	11.37
06 44 39 00-0032	LF		14" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base .....	371.24	12.86
06 44 39 00-0033	LF		16" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base .....	506.70	13.85
06 44 39 00-0034	LF		18" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base .....	546.35	14.84
06 44 39 00-0035	LF		20" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base .....	615.61	15.83
06 44 39 00-0036			<b>Pine Classical Columns, Round Tapered With Cap And Base (06 44 39 00-0001)</b>		
			Note: Paint grade/finger jointed pine.		
06 44 39 00-0037	LF		6" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base .....	72.16	6.43
06 44 39 00-0038	LF		8" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base .....	90.06	9.39
06 44 39 00-0039	LF		10" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base .....	110.67	10.88
06 44 39 00-0040	LF		12" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base .....	132.85	11.37
06 44 39 00-0041	LF		6" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base .....	83.31	6.43
06 44 39 00-0042	LF		8" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base .....	98.99	9.39
06 44 39 00-0043	LF		10" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base .....	123.01	10.88
06 44 39 00-0044	LF		12" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base .....	146.03	11.37
06 44 39 00-0045			<b>Redwood Colonial Columns, Round Tapered With Cap And Base (06 44 39 00-0001)</b>		
			Note: Paint grade/finger jointed redwood.		
06 44 39 00-0046	LF		6" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	113.05	6.43
06 44 39 00-0047	LF		8" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	135.73	9.39
06 44 39 00-0048	LF		10" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	169.28	10.88
06 44 39 00-0049	LF		12" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	207.27	11.37
06 44 39 00-0050	LF		6" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	130.22	6.43
06 44 39 00-0051	LF		8" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	154.07	9.39
06 44 39 00-0052	LF		10" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	190.75	10.88
06 44 39 00-0053	LF		12" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	235.37	11.37
06 44 39 00-0054			<b>Ornamental Or Decorative Cap And Bases, Resin (06 44 39 00-0001)</b>		
			Note: For tapered wood columns.		
06 44 39 00-0055	EA		6" Resin Corinthian Capital And Base.....	354.56	13.35
06 44 39 00-0056	EA		8" Resin Corinthian Capital And Base.....	537.06	14.84
06 44 39 00-0057	EA		10" Resin Corinthian Capital And Base.....	748.86	17.31
06 44 39 00-0058	EA		12" Resin Corinthian Capital And Base.....	956.77	19.78
06 44 39 00-0059	EA		6" Resin Greek Erectheum Cap And Base .....	315.53	13.35
06 44 39 00-0060	EA		8" Resin Greek Erectheum Cap And Base .....	439.48	14.84
06 44 39 00-0061	EA		10" Resin Greek Erectheum Cap And Base .....	545.91	17.31
06 44 39 00-0062	EA		12" Resin Greek Erectheum Cap And Base .....	714.78	19.78
06 44 39 00-0063	EA		6" Resin Roman Ionic Capital And Base.....	332.13	13.85
06 44 39 00-0064	EA		8" Resin Roman Ionic Capital And Base.....	439.48	14.84
06 44 39 00-0065	EA		10" Resin Roman Ionic Capital And Base.....	545.91	17.31
06 44 39 00-0066	EA		12" Resin Roman Ionic Capital And Base.....	695.27	19.78
06 44 39 00-0067	EA		6" Resin Scamozzi Capital And Base .....	336.04	13.85
06 44 39 00-0068	EA		8" Resin Scamozzi Capital And Base .....	478.51	14.84
06 44 39 00-0069	EA		10" Resin Scamozzi Capital And Base .....	565.42	17.31
06 44 39 00-0070	EA		12" Resin Scamozzi Capital And Base .....	777.23	19.78
06 44 39 00-0071	EA		6" Resin Temple Of Winds Cap And Base.....	336.04	13.85

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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06 44 39 00-0072	EA		8" Resin Temple Of Winds Cap And Base.....	521.45	14.84
06 44 39 00-0073	EA		10" Resin Temple Of Winds Cap And Base.....	690.32	17.31
06 44 39 00-0074	EA		12" Resin Temple Of Winds Cap And Base.....	855.29	19.78

**06 44 39 00-0075 Ornamental Or Decorative Cap And Bases, Plaster (06 44 39 00-0001)**  
Note: For tapered wood columns.

06 44 39 00-0076	EA		6" Plaster Corinthian Capital And Base .....	717.54	13.35
06 44 39 00-0077	EA		8" Plaster Corinthian Capital And Base .....	806.36	14.84
06 44 39 00-0078	EA		10" Plaster Corinthian Capital And Base .....	1,025.98	17.31
06 44 39 00-0079	EA		12" Plaster Corinthian Capital And Base .....	1,128.50	19.78
06 44 39 00-0080	EA		6" Plaster Greek Erectheum Cap And Base .....	475.55	13.35
06 44 39 00-0081	EA		8" Plaster Greek Erectheum Cap And Base .....	552.67	14.84
06 44 39 00-0082	EA		10" Plaster Greek Erectheum Cap And Base .....	682.51	17.31
06 44 39 00-0083	EA		12" Plaster Greek Erectheum Cap And Base .....	859.19	19.78
06 44 39 00-0084	EA		6" Plaster Roman Ionic Capital And Base.....	457.03	13.85
06 44 39 00-0085	EA		8" Plaster Roman Ionic Capital And Base.....	599.50	14.84
06 44 39 00-0086	EA		10" Plaster Roman Ionic Capital And Base.....	725.45	17.31
06 44 39 00-0087	EA		12" Plaster Roman Ionic Capital And Base.....	859.19	19.78
06 44 39 00-0088	EA		6" Plaster Scamozzi Capital And Base .....	542.89	13.85
06 44 39 00-0089	EA		8" Plaster Scamozzi Capital And Base .....	720.50	14.84
06 44 39 00-0090	EA		10" Plaster Scamozzi Capital And Base .....	811.31	17.31
06 44 39 00-0091	EA		12" Plaster Scamozzi Capital And Base .....	1,030.93	19.78
06 44 39 00-0092	EA		6" Plaster Temple Of Winds Cap And Base.....	457.03	13.85
06 44 39 00-0093	EA		8" Plaster Temple Of Winds Cap And Base.....	591.70	14.84
06 44 39 00-0094	EA		10" Plaster Temple Of Winds Cap And Base.....	772.28	17.31
06 44 39 00-0095	EA		12" Plaster Temple Of Winds Cap And Base.....	987.99	19.78
06 44 39 00-0096	EA		6" Plaster Empire Capital And Base .....	515.57	13.85
06 44 39 00-0097	EA		8" Plaster Empire Capital And Base .....	630.73	14.84
06 44 39 00-0098	EA		10" Plaster Empire Capital And Base .....	768.38	17.31
06 44 39 00-0099	EA		12" Plaster Empire Capital And Base .....	859.19	19.78

**06 46 Wood Trim (06 40)**

**06 46 13 Wood Door and Window Casings (06 46)**

**06 46 13 00-0001 Door and Window Casings (06 46 13)**

06 46 13 00-0002	LF		1-1/8" Wide Plain Pine Door And Window Molding.....	5.15	1.77
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.91	
06 46 13 00-0003	LF		1-1/8" Wide Detailed Pine Door And Window Molding.....	5.20	1.77
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.91	
06 46 13 00-0004	LF		2-1/2" Wide Pine Complete Door And Window Trim.....	6.47	1.77
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.91	

**06 46 19 Wood Base and Shoe Moldings (06 46)**

**06 46 19 00-0001 Base And Shoe Molding (06 46 19)**

06 46 19 00-0002	LF		1/2" x 1/2" Pine Quarter Round Trim .....	5.35	2.11
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.06	
06 46 19 00-0003	LF		3/4" x 3/4" Pine Quarter Round Trim .....	5.71	2.11
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.06	
06 46 19 00-0004	LF		3-1/2" High White Pine Base Molding, All Dimensions Are Nominal.....	6.76	1.33
			<i>For Clear Birch, Add</i>	0.74	
			<i>For Clear Mahogany, Oak, Maple Or Walnut, Add</i>	1.49	
			<i>For Stain Grade Material (No Finger Joints), Add</i>	0.42	
			<i>For Clear Poplar, Add</i>	0.46	
06 46 19 00-0005	LF		4-1/2" High White Pine Base Molding, All Dimensions Are Nominal.....	8.23	1.66
			<i>For Clear Birch, Add</i>	0.86	
			<i>For Clear Mahogany, Oak, Maple Or Walnut, Add</i>	1.76	
			<i>For Stain Grade Material (No Finger Joints), Add</i>	0.48	
			<i>For Clear Poplar, Add</i>	0.54	
06 46 19 00-0006	LF		5-1/2" High White Pine Base Molding, All Dimensions Are Nominal.....	10.24	1.88
			<i>For Clear Birch, Add</i>	1.32	
			<i>For Clear Mahogany, Oak, Maple Or Walnut, Add</i>	2.47	
			<i>For Stain Grade Material (No Finger Joints), Add</i>	0.75	
			<i>For Clear Poplar, Add</i>	0.83	
06 46 19 00-0007	LF		3/4" x 1" Oak Base Shoe .....	6.65	2.11
06 46 19 00-0008	LF		3/4" x 1" White Pine Base Shoe, Stain Grade.....	6.44	2.11
06 46 19 00-0009	LF		3/4" x 1" White Pine Base Shoe, Paint Grade.....	5.97	2.11

**06 46 23 Wood Chair Rails (06 46)**

**06 46 23 00-0001 Chair Rails (06 46 23)**

06 46 23 00-0002	LF		5/8" x 2-1/2" White Pine Shaped Chair Rail.....	8.25	1.99
			<i>For Birch, Add</i>	1.22	
			<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	2.16	
			<i>For Poplar, Add</i>	0.76	
06 46 23 00-0003	LF		5/8" x 3-1/2" White Pine Shaped Chair Rail.....	10.18	1.99
			<i>For Birch, Add</i>	1.84	
			<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	3.03	
			<i>For Poplar, Add</i>	1.15	
06 46 23 00-0004	LF		1/2" x 1-5/8" White Pine Shaped Chair Rail.....	6.12	1.99
			<i>For Birch, Add</i>	0.89	
			<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	1.59	
			<i>For Poplar, Add</i>	0.56	

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 46 Wood Trim**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST
**06 46 26 Wood Cornices (06 46)**

<b>06 46 26 00-0001</b>	<b>Wood Cornices (06 46 26)</b>		
06 46 26 00-0002	LF 1" x 2" White Pine Cornices, All Dimensions Are Nominal.....	6.18	1.99
	For Birch, Add	0.63	
	For Mahogany, Oak, Maple, Or Walnut, Add	1.23	
	For Poplar, Add	0.78	
06 46 26 00-0003	LF 1" x 4" White Pine Cornices, All Dimensions Are Nominal.....	7.76	2.11
	For Birch, Add	1.13	
	For Mahogany, Oak, Maple, Or Walnut, Add	1.88	
	For Poplar, Add	1.41	
06 46 26 00-0004	LF 1" x 6" White Pine Cornices, All Dimensions Are Nominal.....	10.80	2.22
	For Birch, Add	2.15	
	For Mahogany, Oak, Maple, Or Walnut, Add	3.17	
	For Poplar, Add	2.69	
06 46 26 00-0005	LF 1" x 8" White Pine Cornices, All Dimensions Are Nominal.....	12.47	2.22
	For Birch, Add	2.67	
	For Mahogany, Oak, Maple, Or Walnut, Add	3.85	
	For Poplar, Add	3.34	
06 46 26 00-0006	LF 1" x 10" White Pine Cornices, All Dimensions Are Nominal.....	14.40	2.34
	For Birch, Add	3.28	
	For Mahogany, Oak, Maple, Or Walnut, Add	4.63	
	For Poplar, Add	4.10	
06 46 26 00-0007	LF 1" x 12" White Pine Cornices, All Dimensions Are Nominal.....	18.52	2.56
	For Birch, Add	4.67	
	For Mahogany, Oak, Maple, Or Walnut, Add	6.39	
	For Poplar, Add	5.84	

**06 46 29 Wood Fasciae and Soffits (06 46)**

<b>06 46 29 00-0001</b>	<b>Fascia Board (06 46 29)</b>		
<b>06 46 29 00-0002</b>	<b>Pine Fascia Board (06 46 29 00-0001)</b>		
06 46 29 00-0003	LF 1" x 6" Pine Fascia Board .....	5.90	2.22
06 46 29 00-0004	LF 1" x 8" Pine Fascia Board .....	6.88	2.47
06 46 29 00-0005	LF 1" x 10" Pine Fascia Board .....	7.60	2.59
06 46 29 00-0006	LF 1" x 12" Pine Fascia Board .....	9.18	2.90
06 46 29 00-0007	LF 2" x 6" Pine Fascia Board .....	5.79	2.22
06 46 29 00-0008	LF 2" x 8" Pine Fascia Board .....	6.73	2.47
06 46 29 00-0009	LF 2" x 10" Pine Fascia Board .....	7.82	2.59
06 46 29 00-0010	LF 2" x 12" Pine Fascia Board .....	9.85	2.90
<b>06 46 29 00-0011</b>	<b>Cedar Fascia Board (06 46 29 00-0001)</b>		
06 46 29 00-0012	LF 1" x 6" Cedar Fascia Board.....	6.60	2.22
06 46 29 00-0013	LF 1" x 8" Cedar Fascia Board.....	7.97	2.47
06 46 29 00-0014	LF 1" x 10" Cedar Fascia Board.....	9.70	2.59
06 46 29 00-0015	LF 1" x 12" Cedar Fascia Board.....	12.14	2.90
<b>06 46 29 00-0016</b>	<b>Engineered Wood Fascia Board (06 46 29 00-0001)</b>		
06 46 29 00-0017	LF 1" x 6" Engineered Wood Fascia Board.....	5.50	2.22
06 46 29 00-0018	LF 1" x 8" Engineered Wood Fascia Board.....	6.34	2.47
06 46 29 00-0019	LF 1" x 12" Engineered Wood Fascia Board.....	7.91	2.90
<b>06 46 29 00-0020</b>	<b>Soffit (06 46 29)</b>		
<b>06 46 29 00-0021</b>	<b>Sanded Plywood Soffit (06 46 29 00-0020)</b>		
06 46 29 00-0022	SF 3/8" Thick, Sanded Plywood Soffit.....	5.76	1.68
06 46 29 00-0023	SF 1/2" Thick, Sanded Plywood Soffit.....	6.50	1.77
06 46 29 00-0024	SF 5/8" Thick, Sanded Plywood Soffit.....	6.82	1.85
06 46 29 00-0025	SF 3/4" Thick, Sanded Plywood Soffit.....	7.79	1.94
<b>06 46 29 00-0026</b>	<b>MDO Plywood Soffit (06 46 29 00-0020)</b>		
06 46 29 00-0027	SF 3/8" Thick, MDO Plywood Soffit.....	6.87	1.68
06 46 29 00-0028	SF 1/2" Thick, MDO Plywood Soffit.....	7.91	1.77
06 46 29 00-0029	SF 3/4" Thick, MDO Plywood Soffit.....	10.52	1.94
<b>06 46 29 00-0030</b>	<b>Exterior Ceiling Gypsum Board Soffit (06 46 29 00-0020)</b>		
06 46 29 00-0031	SF 1/2" Thick, Exterior Ceiling Gypsum Board Soffit.....	3.41	1.46
06 46 29 00-0032	SF 5/8" Thick, Fire Rated, Exterior Ceiling Gypsum Board Soffit .....	3.66	1.54

**06 46 36 Custom Wood Molding (06 46)**

Note: Includes set-up, knife charge, gluing (Where necessary for widths over 7-1/2"). All dimensions are nominal.

<b>06 46 36 00-0001</b>	<b>Basswood (06 46 36)</b>		
06 46 36 00-0002	LF 3/4" x 1-1/2" Custom Shaped Basswood .....	6.51	1.22
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.90	
06 46 36 00-0003	LF 3/4" x 2-1/2" Custom Shaped Basswood .....	7.93	1.22
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.93	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0004	LF		3/4" x 3-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.36 0.96	1.22
06 46 36 00-0005	LF		3/4" x 4-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.79 0.99	1.33
06 46 36 00-0006	LF		3/4" x 5-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.34 1.04	1.33
06 46 36 00-0007	LF		3/4" x 6-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.89 1.10	1.44
06 46 36 00-0008	LF		3/4" x 7-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.30 1.12	1.44
06 46 36 00-0009	LF		3/4" x 8-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.75 1.16	1.55
06 46 36 00-0010	LF		3/4" x 9-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.12 1.18	1.55
06 46 36 00-0011	LF		3/4" x 10-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	19.69 1.24	1.66
06 46 36 00-0012	LF		3/4" x 11-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.17 1.28	1.66
06 46 36 00-0013	LF		1" x 1-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.41 0.92	1.22
06 46 36 00-0014	LF		1" x 2-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.21 0.95	1.22
06 46 36 00-0015	LF		1" x 3-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.01 0.98	1.33
06 46 36 00-0016	LF		1" x 4-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.81 1.01	1.33
06 46 36 00-0017	LF		1" x 5-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.77 1.07	1.44
06 46 36 00-0018	LF		1" x 6-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.69 1.12	1.44
06 46 36 00-0019	LF		1" x 7-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.47 1.15	1.55
06 46 36 00-0020	LF		1" x 8-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.30 1.18	1.55
06 46 36 00-0021	LF		1" x 9-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	22.09 1.20	1.55
06 46 36 00-0022	LF		1" x 10-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	24.04 1.27	1.66
06 46 36 00-0023	LF		1" x 11-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	25.88 1.30	1.66
06 46 36 00-0024	LF		1-1/2" x 1-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.08 0.95	1.22
06 46 36 00-0025	LF		1-1/2" x 2-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.18 0.98	1.22
06 46 36 00-0026	LF		1-1/2" x 3-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.27 1.01	1.33
06 46 36 00-0027	LF		1-1/2" x 4-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	19.38 1.04	1.33
06 46 36 00-0028	LF		1-1/2" x 5-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	22.59 1.09	1.44
06 46 36 00-0029	LF		1-1/2" x 6-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	25.82 1.15	1.55
06 46 36 00-0030	LF		1-1/2" x 7-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	28.90 1.18	1.55
06 46 36 00-0031	LF		1-1/2" x 8-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	32.02 1.21	1.55
06 46 36 00-0032	LF		1-1/2" x 9-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	35.07 1.23	1.55
06 46 36 00-0033	LF		1-1/2" x 10-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	38.32 1.29	1.66
06 46 36 00-0034	LF		1-1/2" x 11-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	41.46 1.33	1.77
06 46 36 00-0035	LF		3-1/2" x 3-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	38.98 1.10	1.44
06 46 36 00-0036	LF		3-1/2" x 4-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	47.74 1.15	1.44
06 46 36 00-0037	LF		3-1/2" x 5-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	56.41 1.18	1.55
06 46 36 00-0038	LF		3-1/2" x 6-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	65.29 1.25	1.66
06 46 36 00-0039	LF		3-1/2" x 7-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	73.95 1.28	1.66
06 46 36 00-0040	LF		3-1/2" x 8-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	82.81 1.33	1.77
06 46 36 00-0041	LF		3-1/2" x 9-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	91.37 1.35	1.77
06 46 36 00-0042	LF		3-1/2" x 10-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	100.03 1.38	1.77
06 46 36 00-0043	LF		3-1/2" x 11-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	108.92 1.46	1.88
06 46 36 00-0044			<b>Clear Western Cedar</b> <small>(06 46 36)</small>		
06 46 36 00-0045	LF		3/4" x 1-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.98 0.90	1.22
06 46 36 00-0046	LF		3/4" x 2-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.63 0.93	1.22
06 46 36 00-0047	LF		3/4" x 3-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.29 0.96	1.22

06 Wood, Plastics, and Composites

06 40 Architectural Woodwork

06 46 Wood Trim



MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION UNIT COST UNIT COST

06 46 36 00-0048	LF	3/4" x 4-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.96 0.99	1.33
06 46 36 00-0049	LF	3/4" x 5-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.73 1.04	1.33
06 46 36 00-0050	LF	3/4" x 6-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.51 1.10	1.44
06 46 36 00-0051	LF	1" x 1-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.20 0.92	1.22
06 46 36 00-0052	LF	1" x 2-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.42 0.95	1.22
06 46 36 00-0053	LF	1" x 3-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.63 0.98	1.33
06 46 36 00-0054	LF	1" x 4-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.85 1.01	1.33
06 46 36 00-0055	LF	1" x 5-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.19 1.07	1.44
06 46 36 00-0056	LF	1" x 6-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	19.53 1.12	1.44
06 46 36 00-0057	LF	1-1/4" x 1-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.63 0.95	1.22
06 46 36 00-0058	LF	1-1/4" x 2-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.02 0.98	1.22
06 46 36 00-0059	LF	1-1/4" x 3-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.39 1.01	1.33
06 46 36 00-0060	LF	1-1/4" x 4-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.77 1.04	1.33
06 46 36 00-0061	LF	1-1/4" x 5-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	24.26 1.09	1.44
06 46 36 00-0062	LF	1-1/4" x 6-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	27.77 1.15	1.44
06 46 36 00-0063	LF	1-1/2" x 1-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.93 0.98	1.22
06 46 36 00-0064	LF	1-1/2" x 2-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.41 1.01	1.33
06 46 36 00-0065	LF	1-1/2" x 3-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.87 1.03	1.33
06 46 36 00-0066	LF	1-1/2" x 4-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.34 1.06	1.44
06 46 36 00-0067	LF	1-1/2" x 5-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	24.82 1.09	1.44
06 46 36 00-0068	LF	1-1/2" x 6-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	28.53 1.18	1.55
06 46 36 00-0069	LF	3-1/2" x 3-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	34.52 1.10	1.44
06 46 36 00-0070	LF	3-1/2" x 4-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	42.16 1.15	1.44
06 46 36 00-0071	LF	3-1/2" x 5-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	49.72 1.18	1.55
06 46 36 00-0072	LF	3-1/2" x 6-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	57.48 1.25	1.66
06 46 36 00-0073	LF	3-1/2" x 7-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	65.02 1.28	1.66
06 46 36 00-0074	LF	3-1/2" x 8-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	72.68 1.33	1.77
06 46 36 00-0075	LF	3-1/2" x 9-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	80.22 1.35	1.77
06 46 36 00-0076	LF	3-1/2" x 10-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	87.77 1.38	1.77
06 46 36 00-0077	LF	3-1/2" x 11-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	95.54 1.46	1.88

06 46 36 00-0078 Cherry (06 46 36)

06 46 36 00-0079	LF	3/4" x 1-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.46 0.90	1.22
06 46 36 00-0080	LF	3/4" x 2-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.86 0.93	1.22
06 46 36 00-0081	LF	3/4" x 3-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.27 0.96	1.22
06 46 36 00-0082	LF	3/4" x 4-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.67 0.99	1.33
06 46 36 00-0083	LF	3/4" x 5-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.19 1.04	1.33
06 46 36 00-0084	LF	3/4" x 6-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.72 1.10	1.44
06 46 36 00-0085	LF	3/4" x 7-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	23.10 1.12	1.44
06 46 36 00-0086	LF	3/4" x 8-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	25.53 1.16	1.44
06 46 36 00-0087	LF	3/4" x 9-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	27.88 1.18	1.55
06 46 36 00-0088	LF	3/4" x 10-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	30.42 1.24	1.55
06 46 36 00-0089	LF	3/4" x 11-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	32.88 1.28	1.66
06 46 36 00-0090	LF	1" x 1-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.06 0.92	1.22
06 46 36 00-0091	LF	1" x 2-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.21 0.95	1.22

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0092	LF	1" x 3-1/2"	Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.35 0.98	1.33
06 46 36 00-0093	LF	1" x 4-1/2"	Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	19.50 1.01	1.33
06 46 36 00-0094	LF	1" x 5-1/2"	Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	22.76 1.07	1.44
06 46 36 00-0095	LF	1" x 6-1/2"	Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	26.03 1.12	1.44
06 46 36 00-0096	LF	1" x 7-1/2"	Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	29.16 1.15	1.44
06 46 36 00-0097	LF	1" x 8-1/2"	Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	32.38 1.18	1.55
06 46 36 00-0098	LF	1" x 9-1/2"	Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	35.42 1.20	1.55
06 46 36 00-0099	LF	1" x 10-1/2"	Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	38.72 1.27	1.66
06 46 36 00-0100	LF	1" x 11-1/2"	Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	41.91 1.30	1.66
06 46 36 00-0101	LF	1-1/4" x 1-1/2"	Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.80 0.95	1.22
06 46 36 00-0102	LF	1-1/4" x 2-1/2"	Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.78 0.98	1.22
06 46 36 00-0103	LF	1-1/4" x 3-1/2"	Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	19.71 1.01	1.33
06 46 36 00-0104	LF	1-1/4" x 4-1/2"	Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	23.70 1.04	1.33
06 46 36 00-0105	LF	1-1/4" x 5-1/2"	Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	27.75 1.09	1.44
06 46 36 00-0106	LF	1-1/4" x 6-1/2"	Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	31.86 1.15	1.44
06 46 36 00-0107	LF	1-1/4" x 7-1/2"	Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	35.78 1.18	1.55
06 46 36 00-0108	LF	1-1/4" x 8-1/2"	Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	39.78 1.21	1.55
06 46 36 00-0109	LF	1-1/4" x 9-1/2"	Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	43.66 1.23	1.55
06 46 36 00-0110	LF	1-1/4" x 10-1/2"	Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	47.80 1.29	1.66
06 46 36 00-0111	LF	1-1/4" x 11-1/2"	Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	51.78 1.33	1.77
06 46 36 00-0112	LF	1-1/2" x 1-1/2"	Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.02 0.98	1.22
06 46 36 00-0113	LF	1-1/2" x 2-1/2"	Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.54 1.01	1.33
06 46 36 00-0114	LF	1-1/2" x 3-1/2"	Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	26.05 1.03	1.33
06 46 36 00-0115	LF	1-1/2" x 4-1/2"	Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	31.56 1.06	1.44
06 46 36 00-0116	LF	1-1/2" x 5-1/2"	Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	37.09 1.09	1.44
06 46 36 00-0117	LF	1-1/2" x 6-1/2"	Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	42.84 1.18	1.55
06 46 36 00-0118	LF	1-1/2" x 7-1/2"	Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	48.34 1.20	1.55
06 46 36 00-0119	LF	1-1/2" x 8-1/2"	Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	53.89 1.24	1.55
06 46 36 00-0120	LF	1-1/2" x 9-1/2"	Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	59.35 1.25	1.66
06 46 36 00-0121	LF	1-1/2" x 10-1/2"	Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	65.10 1.32	1.66
06 46 36 00-0122	LF	1-1/2" x 11-1/2"	Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	70.57 1.35	1.77
<b>06 46 36 00-0123</b>			<b>Cypress</b> <small>(06 46 36)</small>		
06 46 36 00-0124	LF	3/4" x 1-1/2"	Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.51 0.90	1.22
06 46 36 00-0125	LF	3/4" x 2-1/2"	Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.93 0.93	1.22
06 46 36 00-0126	LF	3/4" x 3-1/2"	Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.36 0.96	1.22
06 46 36 00-0127	LF	3/4" x 4-1/2"	Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.79 0.99	1.33
06 46 36 00-0128	LF	3/4" x 5-1/2"	Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.34 1.04	1.33
06 46 36 00-0129	LF	3/4" x 6-1/2"	Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.89 1.10	1.44
06 46 36 00-0130	LF	3/4" x 7-1/2"	Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.67 1.12	1.44
06 46 36 00-0131	LF	3/4" x 8-1/2"	Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.17 1.16	1.44
06 46 36 00-0132	LF	3/4" x 9-1/2"	Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	19.98 1.18	1.55
06 46 36 00-0133	LF	3/4" x 10-1/2"	Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.74 1.24	1.55
06 46 36 00-0134	LF	1" x 1-1/2"	Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.57 0.92	1.22
06 46 36 00-0135	LF	1" x 2-1/2"	Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.93 0.95	1.22

06 Wood, Plastics, and Composites

06 40 Architectural Woodwork

06 46 Wood Trim



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

Table with columns: Item ID, Description, Unit Cost, Demolition Unit Cost. Includes items like 06 46 36 00-0136, 06 46 36 00-0137, etc.

06 46 36 00-0155 Honduran Mahogany (06 46 36)

Table with columns: Item ID, Description, Unit Cost, Demolition Unit Cost. Includes items like 06 46 36 00-0156, 06 46 36 00-0157, etc.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0180	LF	1-1/4" x 3-1/2"	Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	20.83 1.01	1.33
06 46 36 00-0181	LF	1-1/4" x 4-1/2"	Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	25.09 1.04	1.33
06 46 36 00-0182	LF	1-1/4" x 5-1/2"	Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	29.42 1.09	1.44
06 46 36 00-0183	LF	1-1/4" x 6-1/2"	Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	33.81 1.15	1.55
06 46 36 00-0184	LF	1-1/4" x 7-1/2"	Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	38.01 1.18	1.55
06 46 36 00-0185	LF	1-1/4" x 8-1/2"	Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	42.29 1.21	1.55
06 46 36 00-0186	LF	1-1/4" x 9-1/2"	Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	45.52 1.23	1.55
06 46 36 00-0187	LF	1-1/4" x 10-1/2"	Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	50.87 1.29	1.66
06 46 36 00-0188	LF	1-1/4" x 11-1/2"	Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	55.12 1.33	1.77
06 46 36 00-0189	LF	1-1/2" x 1-1/2"	Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	15.21 0.98	1.22
06 46 36 00-0190	LF	1-1/2" x 2-1/2"	Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	20.82 1.01	1.33
06 46 36 00-0191	LF	1-1/2" x 3-1/2"	Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	26.42 1.03	1.33
06 46 36 00-0192	LF	1-1/2" x 4-1/2"	Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	32.02 1.06	1.33
06 46 36 00-0193	LF	1-1/2" x 5-1/2"	Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	37.65 1.09	1.44
06 46 36 00-0194	LF	1-1/2" x 6-1/2"	Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	43.49 1.18	1.55
06 46 36 00-0195	LF	1-1/2" x 7-1/2"	Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	49.08 1.20	1.55
06 46 36 00-0196	LF	1-1/2" x 8-1/2"	Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	54.72 1.24	1.66
06 46 36 00-0197	LF	1-1/2" x 9-1/2"	Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	60.28 1.25	1.66
06 46 36 00-0198	LF	1-1/2" x 10-1/2"	Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	66.03 1.32	1.66
06 46 36 00-0199	LF	1-1/2" x 11-1/2"	Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	71.78 1.35	1.77
06 46 36 00-0200	LF	2" x 1-1/2"	Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	18.04 1.00	1.33
06 46 36 00-0201	LF	2" x 2-1/2"	Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	25.03 1.02	1.33
06 46 36 00-0202	LF	2" x 3-1/2"	Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	31.97 1.05	1.33
06 46 36 00-0203	LF	2" x 4-1/2"	Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	39.06 1.10	1.44
06 46 36 00-0204	LF	2" x 5-1/2"	Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	46.01 1.12	1.44
06 46 36 00-0205	LF	2" x 6-1/2"	Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	53.21 1.20	1.55
06 46 36 00-0206	LF	2" x 7-1/2"	Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	60.15 1.22	1.55
06 46 36 00-0207	LF	2" x 8-1/2"	Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	67.25 1.28	1.66
06 46 36 00-0208	LF	2" x 9-1/2"	Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	74.19 1.30	1.66
06 46 36 00-0209	LF	2" x 10-1/2"	Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	81.18 1.33	1.77
06 46 36 00-0210	LF	2" x 11-1/2"	Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	88.35 1.41	1.88
06 46 36 00-0211	LF	2-1/2" x 1-1/2"	Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	22.10 1.02	1.33
06 46 36 00-0212	LF	2-1/2" x 2-1/2"	Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	29.65 1.05	1.33
06 46 36 00-0213	LF	2-1/2" x 3-1/2"	Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	38.12 1.07	1.44
06 46 36 00-0214	LF	2-1/2" x 4-1/2"	Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	46.70 1.12	1.44
06 46 36 00-0215	LF	2-1/2" x 5-1/2"	Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	55.18 1.15	1.44
06 46 36 00-0216	LF	2-1/2" x 6-1/2"	Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	63.86 1.22	1.55
06 46 36 00-0217	LF	2-1/2" x 7-1/2"	Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	72.35 1.25	1.66
06 46 36 00-0218	LF	2-1/2" x 8-1/2"	Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	80.93 1.30	1.66
06 46 36 00-0219	LF	2-1/2" x 9-1/2"	Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	89.41 1.33	1.77
06 46 36 00-0220	LF	2-1/2" x 10-1/2"	Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	97.88 1.35	1.77
06 46 36 00-0221	LF	2-1/2" x 11-1/2"	Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	106.58 1.43	1.88
06 46 36 00-0222	LF	3-1/2" x 3-1/2"	Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	51.62 1.10	1.44
06 46 36 00-0223	LF	3-1/2" x 4-1/2"	Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	63.53 1.15	1.44





**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0380	LF		3/4" x 1-1/2" Custom Shaped Teak.....	19.80	1.22
06 46 36 00-0381	LF		3/4" x 2-1/2" Custom Shaped Teak.....	27.87	1.22
06 46 36 00-0382	LF		3/4" x 3-1/2" Custom Shaped Teak.....	35.94	1.22
06 46 36 00-0383	LF		3/4" x 4-1/2" Custom Shaped Teak.....	44.02	1.33
06 46 36 00-0384	LF		3/4" x 5-1/2" Custom Shaped Teak.....	52.20	1.33
06 46 36 00-0385	LF		3/4" x 6-1/2" Custom Shaped Teak.....	60.40	1.44
06 46 36 00-0386	LF		3/4" x 7-1/2" Custom Shaped Teak.....	68.45	1.44
06 46 36 00-0387	LF		3/4" x 8-1/2" Custom Shaped Teak.....	76.55	1.44
06 46 36 00-0388	LF		3/4" x 9-1/2" Custom Shaped Teak.....	84.56	1.55
06 46 36 00-0389	LF		3/4" x 10-1/2" Custom Shaped Teak.....	92.78	1.66
06 46 36 00-0390	LF		3/4" x 11-1/2" Custom Shaped Teak.....	100.90	1.66
06 46 36 00-0391	LF		1-1/2" x 1-1/2" Custom Shaped Teak.....	45.31	1.22
06 46 36 00-0392	LF		1-1/2" x 2-1/2" Custom Shaped Teak.....	52.04	1.33
06 46 36 00-0393	LF		1-1/2" x 3-1/2" Custom Shaped Teak.....	68.05	1.33
06 46 36 00-0394	LF		1-1/2" x 4-1/2" Custom Shaped Teak.....	84.06	1.44
06 46 36 00-0395	LF		1-1/2" x 5-1/2" Custom Shaped Teak.....	100.09	1.44
06 46 36 00-0396	LF		1-1/2" x 6-1/2" Custom Shaped Teak.....	115.88	1.55
06 46 36 00-0397	LF		1-1/2" x 7-1/2" Custom Shaped Teak.....	132.35	1.55
06 46 36 00-0398	LF		1-1/2" x 8-1/2" Custom Shaped Teak.....	148.40	1.66
06 46 36 00-0399	LF		1-1/2" x 9-1/2" Custom Shaped Teak.....	164.36	1.66
06 46 36 00-0400	LF		1-1/2" x 10-1/2" Custom Shaped Teak.....	180.52	1.77
06 46 36 00-0401	LF		1-1/2" x 11-1/2" Custom Shaped Teak.....	196.58	1.77

**06 46 36 00-0402 Ash** (06 46 36)

06 46 36 00-0403	LF		3/4" x 1-1/2" Custom Shaped Ash.....	7.81	1.22
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.90	
06 46 36 00-0404	LF		3/4" x 2-1/2" Custom Shaped Ash.....	9.88	1.22
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.93	
06 46 36 00-0405	LF		3/4" x 3-1/2" Custom Shaped Ash.....	11.97	1.22
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.96	
06 46 36 00-0406	LF		3/4" x 4-1/2" Custom Shaped Ash.....	14.05	1.33
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.99	
06 46 36 00-0407	LF		3/4" x 5-1/2" Custom Shaped Ash.....	16.24	1.33
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.04	
06 46 36 00-0408	LF		3/4" x 6-1/2" Custom Shaped Ash.....	18.44	1.44
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.10	
06 46 36 00-0409	LF		3/4" x 7-1/2" Custom Shaped Ash.....	20.50	1.44
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.12	
06 46 36 00-0410	LF		3/4" x 8-1/2" Custom Shaped Ash.....	22.60	1.44
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.16	
06 46 36 00-0411	LF		3/4" x 9-1/2" Custom Shaped Ash.....	24.62	1.55
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.18	
06 46 36 00-0412	LF		3/4" x 10-1/2" Custom Shaped Ash.....	26.85	1.55
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.24	
06 46 36 00-0413	LF		3/4" x 11-1/2" Custom Shaped Ash.....	28.98	1.66
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.28	
06 46 36 00-0414	LF		1" x 1-1/2" Custom Shaped Ash.....	9.27	1.22
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.92	
06 46 36 00-0415	LF		1" x 2-1/2" Custom Shaped Ash.....	12.00	1.22
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.95	
06 46 36 00-0416	LF		1" x 3-1/2" Custom Shaped Ash.....	14.72	1.33
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.98	
06 46 36 00-0417	LF		1" x 4-1/2" Custom Shaped Ash.....	17.46	1.33
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.01	
06 46 36 00-0418	LF		1" x 5-1/2" Custom Shaped Ash.....	20.34	1.44
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.07	
06 46 36 00-0419	LF		1" x 6-1/2" Custom Shaped Ash.....	23.20	1.44
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.12	
06 46 36 00-0420	LF		1" x 7-1/2" Custom Shaped Ash.....	25.91	1.44
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.15	
06 46 36 00-0421	LF		1" x 8-1/2" Custom Shaped Ash.....	28.66	1.55
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.18	
06 46 36 00-0422	LF		1" x 9-1/2" Custom Shaped Ash.....	31.38	1.55
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.20	
06 46 36 00-0423	LF		1" x 10-1/2" Custom Shaped Ash.....	34.26	1.66
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.27	
06 46 36 00-0424	LF		1" x 11-1/2" Custom Shaped Ash.....	37.03	1.66
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.30	
06 46 36 00-0425	LF		1-1/4" x 1-1/2" Custom Shaped Ash.....	11.10	1.22
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.95	
06 46 36 00-0426	LF		1-1/4" x 2-1/2" Custom Shaped Ash.....	14.71	1.22
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.98	
06 46 36 00-0427	LF		1-1/4" x 3-1/2" Custom Shaped Ash.....	18.32	1.33
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.01	
06 46 36 00-0428	LF		1-1/4" x 4-1/2" Custom Shaped Ash.....	21.93	1.33
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.04	
06 46 36 00-0429	LF		1-1/4" x 5-1/2" Custom Shaped Ash.....	25.66	1.44
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.09	
06 46 36 00-0430	LF		1-1/4" x 6-1/2" Custom Shaped Ash.....	29.39	1.44
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.15	
06 46 36 00-0431	LF		1-1/4" x 7-1/2" Custom Shaped Ash.....	32.99	1.55
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.18	
06 46 36 00-0432	LF		1-1/4" x 8-1/2" Custom Shaped Ash.....	36.62	1.55
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.21	
06 46 36 00-0433	LF		1-1/4" x 9-1/2" Custom Shaped Ash.....	40.18	1.55
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.23	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0434	LF		1-1/4" x 10-1/2" Custom Shaped Ash ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	43.94 1.29	1.66
06 46 36 00-0435	LF		1-1/4" x 11-1/2" Custom Shaped Ash ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	47.60 1.33	1.77
06 46 36 00-0436	LF		1-1/2" x 1-1/2" Custom Shaped Ash ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.72 0.98	1.22
06 46 36 00-0437	LF		1-1/2" x 2-1/2" Custom Shaped Ash ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.59 1.01	1.33
06 46 36 00-0438	LF		1-1/2" x 3-1/2" Custom Shaped Ash ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	23.45 1.03	1.33
06 46 36 00-0439	LF		1-1/2" x 4-1/2" Custom Shaped Ash ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	28.31 1.06	1.44
06 46 36 00-0440	LF		1-1/2" x 5-1/2" Custom Shaped Ash ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	33.19 1.09	1.44
06 46 36 00-0441	LF		1-1/2" x 6-1/2" Custom Shaped Ash ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	38.29 1.18	1.55
06 46 36 00-0442	LF		1-1/2" x 7-1/2" Custom Shaped Ash ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	43.23 1.20	1.55
06 46 36 00-0443	LF		1-1/2" x 8-1/2" Custom Shaped Ash ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	48.03 1.24	1.55
06 46 36 00-0444	LF		1-1/2" x 9-1/2" Custom Shaped Ash ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	52.84 1.25	1.66
06 46 36 00-0445	LF		1-1/2" x 10-1/2" Custom Shaped Ash ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	58.32 1.32	1.66
06 46 36 00-0446	LF		1-1/2" x 11-1/2" Custom Shaped Ash ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	62.76 1.35	1.77
<b>06 46 36 00-0447 Birch <small>(06 46 36)</small></b>					
06 46 36 00-0448	LF		3/4" x 1-1/2" Custom Shaped Birch ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.98 0.90	1.22
06 46 36 00-0449	LF		3/4" x 2-1/2" Custom Shaped Birch ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.63 0.93	1.22
06 46 36 00-0450	LF		3/4" x 3-1/2" Custom Shaped Birch ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.29 0.96	1.22
06 46 36 00-0451	LF		3/4" x 4-1/2" Custom Shaped Birch ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.96 0.99	1.33
06 46 36 00-0452	LF		3/4" x 5-1/2" Custom Shaped Birch ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.73 1.04	1.33
06 46 36 00-0453	LF		3/4" x 6-1/2" Custom Shaped Birch ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.51 1.10	1.44
06 46 36 00-0454	LF		3/4" x 7-1/2" Custom Shaped Birch ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.16 1.12	1.44
06 46 36 00-0455	LF		3/4" x 8-1/2" Custom Shaped Birch ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.84 1.16	1.44
06 46 36 00-0456	LF		3/4" x 9-1/2" Custom Shaped Birch ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.44 1.18	1.55
06 46 36 00-0457	LF		3/4" x 10-1/2" Custom Shaped Birch ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	22.25 1.24	1.55
06 46 36 00-0458	LF		3/4" x 11-1/2" Custom Shaped Birch ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	23.96 1.28	1.66
06 46 36 00-0459	LF		1" x 1-1/2" Custom Shaped Birch ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.11 0.92	1.22
06 46 36 00-0460	LF		1" x 2-1/2" Custom Shaped Birch ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.24 0.95	1.22
06 46 36 00-0461	LF		1" x 3-1/2" Custom Shaped Birch ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.40 0.98	1.33
06 46 36 00-0462	LF		1" x 4-1/2" Custom Shaped Birch ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.58 1.01	1.33
06 46 36 00-0463	LF		1" x 5-1/2" Custom Shaped Birch ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.86 1.07	1.44
06 46 36 00-0464	LF		1" x 6-1/2" Custom Shaped Birch ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	19.11 1.12	1.44
06 46 36 00-0465	LF		1" x 7-1/2" Custom Shaped Birch ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.26 1.15	1.44
06 46 36 00-0466	LF		1" x 8-1/2" Custom Shaped Birch ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	23.46 1.18	1.55
06 46 36 00-0467	LF		1" x 9-1/2" Custom Shaped Birch ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	25.57 1.20	1.55
06 46 36 00-0468	LF		1" x 10-1/2" Custom Shaped Birch ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	27.85 1.27	1.66
06 46 36 00-0469	LF		1" x 11-1/2" Custom Shaped Birch ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	30.06 1.30	1.66
06 46 36 00-0470	LF		1-1/4" x 1-1/2" Custom Shaped Birch ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.43 0.95	1.22
06 46 36 00-0471	LF		1-1/4" x 2-1/2" Custom Shaped Birch ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.21 0.98	1.22
06 46 36 00-0472	LF		1-1/4" x 3-1/2" Custom Shaped Birch ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.97 1.01	1.33
06 46 36 00-0473	LF		1-1/4" x 4-1/2" Custom Shaped Birch ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.75 1.04	1.33
06 46 36 00-0474	LF		1-1/4" x 5-1/2" Custom Shaped Birch ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.64 1.09	1.44
06 46 36 00-0475	LF		1-1/4" x 6-1/2" Custom Shaped Birch ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	23.54 1.15	1.44
06 46 36 00-0476	LF		1-1/4" x 7-1/2" Custom Shaped Birch ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	26.30 1.18	1.55
06 46 36 00-0477	LF		1-1/4" x 8-1/2" Custom Shaped Birch ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	29.10 1.21	1.55

## 06 Wood, Plastics, and Composites

## 06 40 Architectural Woodwork

## 06 46 Wood Trim

 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

06 46 36 00-0478	LF	1-1/4" x 9-1/2" Custom Shaped Birch	31.81	1.55
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.23	
06 46 36 00-0479	LF	1-1/4" x 10-1/2" Custom Shaped Birch	34.74	1.66
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.29	
06 46 36 00-0480	LF	1-1/4" x 11-1/2" Custom Shaped Birch	37.56	1.77
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.33	
06 46 36 00-0481	LF	1-1/2" x 1-1/2" Custom Shaped Birch	11.49	1.22
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.98	
06 46 36 00-0482	LF	1-1/2" x 2-1/2" Custom Shaped Birch	15.24	1.33
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.01	
06 46 36 00-0483	LF	1-1/2" x 3-1/2" Custom Shaped Birch	18.99	1.33
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.03	
06 46 36 00-0484	LF	1-1/2" x 4-1/2" Custom Shaped Birch	22.73	1.44
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.06	
06 46 36 00-0485	LF	1-1/2" x 5-1/2" Custom Shaped Birch	26.50	1.44
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.09	
06 46 36 00-0486	LF	1-1/2" x 6-1/2" Custom Shaped Birch	30.48	1.55
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.18	
06 46 36 00-0487	LF	1-1/2" x 7-1/2" Custom Shaped Birch	34.21	1.55
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.20	
06 46 36 00-0488	LF	1-1/2" x 8-1/2" Custom Shaped Birch	38.00	1.55
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.24	
06 46 36 00-0489	LF	1-1/2" x 9-1/2" Custom Shaped Birch	41.69	1.66
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.25	
06 46 36 00-0490	LF	1-1/2" x 10-1/2" Custom Shaped Birch	46.05	1.66
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.32	
06 46 36 00-0491	LF	1-1/2" x 11-1/2" Custom Shaped Birch	49.38	1.77
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.35	

06 46 36 00-0492 Fir (06 46 36)

06 46 36 00-0493	LF	3/4" x 1-1/2" Custom Shaped Fir	7.26	1.22
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.90	
06 46 36 00-0494	LF	3/4" x 2-1/2" Custom Shaped Fir	9.05	1.22
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.93	
06 46 36 00-0495	LF	3/4" x 3-1/2" Custom Shaped Fir	10.85	1.22
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.96	
06 46 36 00-0496	LF	3/4" x 4-1/2" Custom Shaped Fir	12.65	1.33
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.99	
06 46 36 00-0497	LF	3/4" x 5-1/2" Custom Shaped Fir	14.57	1.33
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.04	
06 46 36 00-0498	LF	3/4" x 6-1/2" Custom Shaped Fir	16.49	1.44
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.10	
06 46 36 00-0499	LF	3/4" x 7-1/2" Custom Shaped Fir	18.27	1.44
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.12	
06 46 36 00-0500	LF	3/4" x 8-1/2" Custom Shaped Fir	20.09	1.44
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.16	
06 46 36 00-0501	LF	3/4" x 9-1/2" Custom Shaped Fir	21.84	1.55
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.18	
06 46 36 00-0502	LF	3/4" x 10-1/2" Custom Shaped Fir	23.78	1.66
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.24	
06 46 36 00-0503	LF	1" x 1-1/2" Custom Shaped Fir	8.57	1.22
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.92	
06 46 36 00-0504	LF	1" x 2-1/2" Custom Shaped Fir	10.93	1.22
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.95	
06 46 36 00-0505	LF	1" x 3-1/2" Custom Shaped Fir	13.33	1.33
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.98	
06 46 36 00-0506	LF	1" x 4-1/2" Custom Shaped Fir	15.74	1.33
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.01	
06 46 36 00-0507	LF	1" x 5-1/2" Custom Shaped Fir	18.25	1.44
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.07	
06 46 36 00-0508	LF	1" x 6-1/2" Custom Shaped Fir	20.73	1.44
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.12	
06 46 36 00-0509	LF	1" x 7-1/2" Custom Shaped Fir	23.12	1.44
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.15	
06 46 36 00-0510	LF	1" x 8-1/2" Custom Shaped Fir	25.55	1.55
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.18	
06 46 36 00-0511	LF	1" x 9-1/2" Custom Shaped Fir	27.89	1.55
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.20	
06 46 36 00-0512	LF	1" x 10-1/2" Custom Shaped Fir	30.50	1.66
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.27	
06 46 36 00-0513	LF	1" x 11-1/2" Custom Shaped Fir	32.85	1.66
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.30	
06 46 36 00-0514	LF	1-1/4" x 1-1/2" Custom Shaped Fir	9.57	1.22
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.95	
06 46 36 00-0515	LF	1-1/4" x 2-1/2" Custom Shaped Fir	12.44	1.22
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.98	
06 46 36 00-0516	LF	1-1/4" x 3-1/2" Custom Shaped Fir	15.25	1.33
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.01	
06 46 36 00-0517	LF	1-1/4" x 4-1/2" Custom Shaped Fir	18.12	1.33
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.04	
06 46 36 00-0518	LF	1-1/4" x 5-1/2" Custom Shaped Fir	21.06	1.44
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.09	
06 46 36 00-0519	LF	1-1/4" x 6-1/2" Custom Shaped Fir	24.05	1.44
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.15	
06 46 36 00-0520	LF	1-1/4" x 7-1/2" Custom Shaped Fir	26.86	1.55
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.18	
06 46 36 00-0521	LF	1-1/4" x 8-1/2" Custom Shaped Fir	29.75	1.55
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0522	LF		1-1/4" x 9-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	32.51 1.23	1.55
06 46 36 00-0523	LF		1-1/4" x 10-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	35.53 1.29	1.66
06 46 36 00-0524	LF		1-1/4" x 11-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	38.40 1.33	1.77
06 46 36 00-0525	LF		1-1/2" x 1-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.93 0.98	1.22
06 46 36 00-0526	LF		1-1/2" x 2-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.41 1.01	1.33
06 46 36 00-0527	LF		1-1/2" x 3-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.87 1.03	1.33
06 46 36 00-0528	LF		1-1/2" x 4-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.34 1.06	1.44
06 46 36 00-0529	LF		1-1/2" x 5-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	24.82 1.09	1.44
06 46 36 00-0530	LF		1-1/2" x 6-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	28.53 1.18	1.55
06 46 36 00-0531	LF		1-1/2" x 7-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	31.98 1.20	1.55
06 46 36 00-0532	LF		1-1/2" x 8-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	35.49 1.24	1.66
06 46 36 00-0533	LF		1-1/2" x 9-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	38.90 1.25	1.66
06 46 36 00-0534	LF		1-1/2" x 10-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	42.52 1.32	1.77
06 46 36 00-0535	LF		1-1/2" x 11-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	46.03 1.35	1.77
06 46 36 00-0536	LF		2-1/2" x 1-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.82 1.02	1.33
06 46 36 00-0537	LF		2-1/2" x 2-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	24.63 1.05	1.33
06 46 36 00-0538	LF		2-1/2" x 3-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	31.43 1.07	1.44
06 46 36 00-0539	LF		2-1/2" x 4-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	38.33 1.12	1.44
06 46 36 00-0540	LF		2-1/2" x 5-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	45.14 1.15	1.44
06 46 36 00-0541	LF		2-1/2" x 6-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	52.16 1.22	1.55
06 46 36 00-0542	LF		2-1/2" x 7-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	58.97 1.25	1.66
06 46 36 00-0543	LF		2-1/2" x 8-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	65.97 1.30	1.66
06 46 36 00-0544	LF		2-1/2" x 9-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	72.68 1.33	1.77
06 46 36 00-0545	LF		2-1/2" x 10-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	79.48 1.35	1.77
06 46 36 00-0546	LF		3-1/2" x 3-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	39.07 1.10	1.44
06 46 36 00-0547	LF		3-1/2" x 4-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	47.74 1.15	1.44
06 46 36 00-0548	LF		3-1/2" x 5-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	56.41 1.18	1.55
06 46 36 00-0549	LF		3-1/2" x 6-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	65.29 1.25	1.66
06 46 36 00-0550	LF		3-1/2" x 7-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	73.95 1.28	1.66
06 46 36 00-0551	LF		3-1/2" x 8-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	82.71 1.33	1.77
06 46 36 00-0552	LF		3-1/2" x 9-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	91.37 1.35	1.77
06 46 36 00-0553	LF		3-1/2" x 10-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	100.03 1.38	1.77
<b>06 46 36 00-0554 Maple (06 46 36)</b>					
06 46 36 00-0555	LF		3/4" x 1-1/2" Custom Shaped Maple ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.88 0.88	1.22
06 46 36 00-0556	LF		3/4" x 2-1/2" Custom Shaped Maple ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.49 1.01	1.22
06 46 36 00-0557	LF		3/4" x 3-1/2" Custom Shaped Maple ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.11 1.12	1.22
06 46 36 00-0558	LF		3/4" x 4-1/2" Custom Shaped Maple ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.72 1.23	1.33
06 46 36 00-0559	LF		3/4" x 5-1/2" Custom Shaped Maple ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.45 1.34	1.33
06 46 36 00-0560	LF		3/4" x 6-1/2" Custom Shaped Maple ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.19 1.45	1.44
06 46 36 00-0561	LF		3/4" x 7-1/2" Custom Shaped Maple ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.78 1.56	1.44
06 46 36 00-0562	LF		3/4" x 8-1/2" Custom Shaped Maple ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.42 1.67	1.44
06 46 36 00-0563	LF		3/4" x 9-1/2" Custom Shaped Maple ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	19.98 1.78	1.55
06 46 36 00-0564	LF		3/4" x 10-1/2" Custom Shaped Maple ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.74 1.89	1.66
06 46 36 00-0565	LF		3/4" x 11-1/2" Custom Shaped Maple ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	23.40 2.00	1.66
06 46 36 00-0566	LF		1" x 1-1/2" Custom Shaped Maple ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.11 0.92	1.22
06 46 36 00-0567	LF		1" x 2-1/2" Custom Shaped Maple ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.24 1.13	1.22
06 46 36 00-0568	LF		1" x 3-1/2" Custom Shaped Maple ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.40 1.34	1.33
06 46 36 00-0569	LF		1" x 4-1/2" Custom Shaped Maple ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.58 1.55	1.33
06 46 36 00-0570	LF		1" x 5-1/2" Custom Shaped Maple ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.86 1.76	1.44
06 46 36 00-0571	LF		1" x 6-1/2" Custom Shaped Maple ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	19.11 1.97	1.44
06 46 36 00-0572	LF		1" x 7-1/2" Custom Shaped Maple ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.26 2.18	1.44
06 46 36 00-0573	LF		1" x 8-1/2" Custom Shaped Maple ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	23.46 2.39	1.55
06 46 36 00-0574	LF		1" x 9-1/2" Custom Shaped Maple ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	25.57 2.60	1.55
06 46 36 00-0575	LF		1" x 10-1/2" Custom Shaped Maple ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	26.92 2.81	1.66

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

06 46 36 00-0576	LF	1" x 11-1/2" Custom Shaped Maple	30.06	1.66
06 46 36 00-0577	LF	1-1/4" x 1-1/2" Custom Shaped Maple	9.15	1.22
06 46 36 00-0578	LF	1-1/4" x 2-1/2" Custom Shaped Maple	11.79	1.22
06 46 36 00-0579	LF	1-1/4" x 3-1/2" Custom Shaped Maple	14.42	1.33
06 46 36 00-0580	LF	1-1/4" x 4-1/2" Custom Shaped Maple	17.06	1.33
06 46 36 00-0581	LF	1-1/4" x 5-1/2" Custom Shaped Maple	19.80	1.44
06 46 36 00-0582	LF	1-1/4" x 6-1/2" Custom Shaped Maple	22.56	1.44
06 46 36 00-0583	LF	1-1/4" x 7-1/2" Custom Shaped Maple	25.18	1.55
06 46 36 00-0584	LF	1-1/4" x 8-1/2" Custom Shaped Maple	27.84	1.55
06 46 36 00-0585	LF	1-1/4" x 9-1/2" Custom Shaped Maple	30.42	1.55
06 46 36 00-0586	LF	1-1/4" x 10-1/2" Custom Shaped Maple	33.21	1.66
06 46 36 00-0587	LF	1-1/4" x 11-1/2" Custom Shaped Maple	35.89	1.77
06 46 36 00-0588	LF	1-1/2" x 1-1/2" Custom Shaped Maple	11.30	1.22
06 46 36 00-0589	LF	1-1/2" x 2-1/2" Custom Shaped Maple	14.96	1.33
06 46 36 00-0590	LF	1-1/2" x 3-1/2" Custom Shaped Maple	18.62	1.33
06 46 36 00-0591	LF	1-1/2" x 4-1/2" Custom Shaped Maple	22.27	1.44
06 46 36 00-0592	LF	1-1/2" x 5-1/2" Custom Shaped Maple	25.94	1.44
06 46 36 00-0593	LF	1-1/2" x 6-1/2" Custom Shaped Maple	29.83	1.55
06 46 36 00-0594	LF	1-1/2" x 7-1/2" Custom Shaped Maple	33.47	1.55
06 46 36 00-0595	LF	1-1/2" x 8-1/2" Custom Shaped Maple	37.63	1.66
06 46 36 00-0596	LF	1-1/2" x 9-1/2" Custom Shaped Maple	40.76	1.66
06 46 36 00-0597	LF	1-1/2" x 10-1/2" Custom Shaped Maple	44.66	1.77
06 46 36 00-0598	LF	1-1/2" x 11-1/2" Custom Shaped Maple	48.27	1.77
06 46 36 00-0599	LF	2" x 1-1/2" Custom Shaped Maple	14.78	1.33
06 46 36 00-0600	LF	2" x 2-1/2" Custom Shaped Maple	20.15	1.33
06 46 36 00-0601	LF	2" x 3-1/2" Custom Shaped Maple	25.47	1.33
06 46 36 00-0602	LF	2" x 4-1/2" Custom Shaped Maple	30.93	1.44
06 46 36 00-0603	LF	2" x 5-1/2" Custom Shaped Maple	36.25	1.44
06 46 36 00-0604	LF	2" x 6-1/2" Custom Shaped Maple	41.82	1.55
06 46 36 00-0605	LF	2" x 7-1/2" Custom Shaped Maple	47.14	1.55
06 46 36 00-0606	LF	2" x 8-1/2" Custom Shaped Maple	52.62	1.66
06 46 36 00-0607	LF	2" x 9-1/2" Custom Shaped Maple	57.93	1.66
06 46 36 00-0608	LF	2" x 10-1/2" Custom Shaped Maple	63.29	1.77
06 46 36 00-0609	LF	2" x 11-1/2" Custom Shaped Maple	69.30	1.88
06 46 36 00-0610	LF	3-1/2" x 3-1/2" Custom Shaped Maple	55.33	1.44
06 46 36 00-0611	LF	3-1/2" x 4-1/2" Custom Shaped Maple	68.18	1.44
06 46 36 00-0612	LF	3-1/2" x 5-1/2" Custom Shaped Maple	80.94	1.55
06 46 36 00-0613	LF	3-1/2" x 6-1/2" Custom Shaped Maple	93.91	1.66
06 46 36 00-0614	LF	3-1/2" x 7-1/2" Custom Shaped Maple	106.66	1.66
06 46 36 00-0615	LF	3-1/2" x 8-1/2" Custom Shaped Maple	119.51	1.77
06 46 36 00-0616	LF	3-1/2" x 9-1/2" Custom Shaped Maple	132.26	1.77
06 46 36 00-0617	LF	3-1/2" x 10-1/2" Custom Shaped Maple	145.01	1.77
06 46 36 00-0618	LF	3-1/2" x 11-1/2" Custom Shaped Maple	157.99	1.88

**06 46 36 00-0619****Red Oak** (06 46 36)

06 46 36 00-0620	LF	3/4" x 1-1/2" Custom Shaped Red Oak	7.44	1.22
06 46 36 00-0621	LF	3/4" x 2-1/2" Custom Shaped Red Oak	9.33	1.22
06 46 36 00-0622	LF	3/4" x 3-1/2" Custom Shaped Red Oak	11.22	1.22
06 46 36 00-0623	LF	3/4" x 4-1/2" Custom Shaped Red Oak	13.12	1.33
06 46 36 00-0624	LF	3/4" x 5-1/2" Custom Shaped Red Oak	15.12	1.33
06 46 36 00-0625	LF	3/4" x 6-1/2" Custom Shaped Red Oak	17.14	1.44
06 46 36 00-0626	LF	3/4" x 7-1/2" Custom Shaped Red Oak	19.02	1.44
06 46 36 00-0627	LF	3/4" x 8-1/2" Custom Shaped Red Oak	20.93	1.44
06 46 36 00-0628	LF	3/4" x 9-1/2" Custom Shaped Red Oak	22.77	1.55
06 46 36 00-0629	LF	3/4" x 10-1/2" Custom Shaped Red Oak	24.80	1.66
06 46 36 00-0630	LF	3/4" x 11-1/2" Custom Shaped Red Oak	26.75	1.66
06 46 36 00-0631	LF	1" x 1-1/2" Custom Shaped Red Oak	8.90	1.22
06 46 36 00-0632	LF	1" x 2-1/2" Custom Shaped Red Oak	11.49	1.22
06 46 36 00-0633	LF	1" x 3-1/2" Custom Shaped Red Oak	14.03	1.33
06 46 36 00-0634	LF	1" x 4-1/2" Custom Shaped Red Oak	17.55	1.33
06 46 36 00-0635	LF	1" x 5-1/2" Custom Shaped Red Oak	19.28	1.44
06 46 36 00-0636	LF	1" x 6-1/2" Custom Shaped Red Oak	21.99	1.44
06 46 36 00-0637	LF	1" x 7-1/2" Custom Shaped Red Oak	24.51	1.44
06 46 36 00-0638	LF	1" x 8-1/2" Custom Shaped Red Oak	27.08	1.55
06 46 36 00-0639	LF	1" x 9-1/2" Custom Shaped Red Oak	29.61	1.55
06 46 36 00-0640	LF	1" x 10-1/2" Custom Shaped Red Oak	32.36	1.66
06 46 36 00-0641	LF	1" x 11-1/2" Custom Shaped Red Oak	34.94	1.66
06 46 36 00-0642	LF	1-1/4" x 1-1/2" Custom Shaped Red Oak	10.96	1.22
06 46 36 00-0643	LF	1-1/4" x 2-1/2" Custom Shaped Red Oak	14.53	1.22
06 46 36 00-0644	LF	1-1/4" x 3-1/2" Custom Shaped Red Oak	18.04	1.33
06 46 36 00-0645	LF	1-1/4" x 4-1/2" Custom Shaped Red Oak	21.61	1.33
06 46 36 00-0646	LF	1-1/4" x 5-1/2" Custom Shaped Red Oak	25.24	1.44
06 46 36 00-0647	LF	1-1/4" x 6-1/2" Custom Shaped Red Oak	28.93	1.44
06 46 36 00-0648	LF	1-1/4" x 7-1/2" Custom Shaped Red Oak	32.43	1.55
06 46 36 00-0649	LF	1-1/4" x 8-1/2" Custom Shaped Red Oak	36.02	1.55
06 46 36 00-0650	LF	1-1/4" x 9-1/2" Custom Shaped Red Oak	39.48	1.55
06 46 36 00-0651	LF	1-1/4" x 10-1/2" Custom Shaped Red Oak	43.20	1.66
06 46 36 00-0652	LF	1-1/4" x 11-1/2" Custom Shaped Red Oak	46.76	1.77
06 46 36 00-0653	LF	1-1/2" x 1-1/2" Custom Shaped Red Oak	15.21	1.22
06 46 36 00-0654	LF	1-1/2" x 2-1/2" Custom Shaped Red Oak	20.82	1.33
06 46 36 00-0655	LF	1-1/2" x 3-1/2" Custom Shaped Red Oak	26.42	1.33
06 46 36 00-0656	LF	1-1/2" x 4-1/2" Custom Shaped Red Oak	32.02	1.33
06 46 36 00-0657	LF	1-1/2" x 5-1/2" Custom Shaped Red Oak	37.65	1.44
06 46 36 00-0658	LF	1-1/2" x 6-1/2" Custom Shaped Red Oak	43.58	1.55

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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06 46 36 00-0659	LF	1-1/2"	x 7-1/2" Custom Shaped Red Oak	49.08	1.55
06 46 36 00-0660	LF	1-1/2"	x 8-1/2" Custom Shaped Red Oak	55.65	1.66
06 46 36 00-0661	LF	1-1/2"	x 9-1/2" Custom Shaped Red Oak	60.28	1.66
06 46 36 00-0662	LF	1-1/2"	x 10-1/2" Custom Shaped Red Oak	66.03	1.66
06 46 36 00-0663	LF	1-1/2"	x 11-1/2" Custom Shaped Red Oak	71.68	1.77
06 46 36 00-0664	LF	2"	x 1-1/2" Custom Shaped Red Oak	23.15	1.33
06 46 36 00-0665	LF	2"	x 2-1/2" Custom Shaped Red Oak	32.70	1.33
06 46 36 00-0666	LF	2"	x 3-1/2" Custom Shaped Red Oak	42.20	1.33
06 46 36 00-0667	LF	2"	x 4-1/2" Custom Shaped Red Oak	51.84	1.44
06 46 36 00-0668	LF	2"	x 5-1/2" Custom Shaped Red Oak	61.34	1.44
06 46 36 00-0669	LF	2"	x 6-1/2" Custom Shaped Red Oak	71.10	1.55
06 46 36 00-0670	LF	2"	x 7-1/2" Custom Shaped Red Oak	80.59	1.55
06 46 36 00-0671	LF	2"	x 8-1/2" Custom Shaped Red Oak	90.25	1.66
06 46 36 00-0672	LF	2"	x 9-1/2" Custom Shaped Red Oak	99.75	1.66
06 46 36 00-0673	LF	2"	x 10-1/2" Custom Shaped Red Oak	109.29	1.77
06 46 36 00-0674	LF	2"	x 11-1/2" Custom Shaped Red Oak	119.02	1.88

**06 46 36 00-0675 White Oak (06 46 36)**

06 46 36 00-0676	LF	3/4"	x 1-1/2" Custom Shaped White Oak	7.53	1.22
06 46 36 00-0677	LF	3/4"	x 2-1/2" Custom Shaped White Oak	9.47	1.22
06 46 36 00-0678	LF	3/4"	x 3-1/2" Custom Shaped White Oak	11.41	1.22
06 46 36 00-0679	LF	3/4"	x 4-1/2" Custom Shaped White Oak	13.35	1.33
06 46 36 00-0680	LF	3/4"	x 5-1/2" Custom Shaped White Oak	15.40	1.33
06 46 36 00-0681	LF	3/4"	x 6-1/2" Custom Shaped White Oak	17.46	1.44
06 46 36 00-0682	LF	3/4"	x 7-1/2" Custom Shaped White Oak	19.39	1.44
06 46 36 00-0683	LF	3/4"	x 8-1/2" Custom Shaped White Oak	21.35	1.44
06 46 36 00-0684	LF	3/4"	x 9-1/2" Custom Shaped White Oak	23.23	1.55
06 46 36 00-0685	LF	3/4"	x 10-1/2" Custom Shaped White Oak	25.31	1.66
06 46 36 00-0686	LF	3/4"	x 11-1/2" Custom Shaped White Oak	27.31	1.66
06 46 36 00-0687	LF	1"	x 1-1/2" Custom Shaped White Oak	8.90	1.22
06 46 36 00-0688	LF	1"	x 2-1/2" Custom Shaped White Oak	11.49	1.22
06 46 36 00-0689	LF	1"	x 3-1/2" Custom Shaped White Oak	14.03	1.33
06 46 36 00-0690	LF	1"	x 4-1/2" Custom Shaped White Oak	17.55	1.33
06 46 36 00-0691	LF	1"	x 5-1/2" Custom Shaped White Oak	19.28	1.44
06 46 36 00-0692	LF	1"	x 6-1/2" Custom Shaped White Oak	21.99	1.44
06 46 36 00-0693	LF	1"	x 7-1/2" Custom Shaped White Oak	24.51	1.44
06 46 36 00-0694	LF	1"	x 8-1/2" Custom Shaped White Oak	27.08	1.55
06 46 36 00-0695	LF	1"	x 9-1/2" Custom Shaped White Oak	29.61	1.55
06 46 36 00-0696	LF	1"	x 10-1/2" Custom Shaped White Oak	32.36	1.66
06 46 36 00-0697	LF	1"	x 11-1/2" Custom Shaped White Oak	34.94	1.66
06 46 36 00-0698	LF	1-1/4"	x 1-1/2" Custom Shaped White Oak	11.10	1.22
06 46 36 00-0699	LF	1-1/4"	x 2-1/2" Custom Shaped White Oak	14.71	1.22
06 46 36 00-0700	LF	1-1/4"	x 3-1/2" Custom Shaped White Oak	18.32	1.33
06 46 36 00-0701	LF	1-1/4"	x 4-1/2" Custom Shaped White Oak	21.93	1.33
06 46 36 00-0702	LF	1-1/4"	x 5-1/2" Custom Shaped White Oak	25.66	1.44
06 46 36 00-0703	LF	1-1/4"	x 6-1/2" Custom Shaped White Oak	29.39	1.44
06 46 36 00-0704	LF	1-1/4"	x 7-1/2" Custom Shaped White Oak	32.99	1.55
06 46 36 00-0705	LF	1-1/4"	x 8-1/2" Custom Shaped White Oak	36.62	1.55
06 46 36 00-0706	LF	1-1/4"	x 9-1/2" Custom Shaped White Oak	40.18	1.55
06 46 36 00-0707	LF	1-1/4"	x 10-1/2" Custom Shaped White Oak	43.94	1.66
06 46 36 00-0708	LF	1-1/4"	x 11-1/2" Custom Shaped White Oak	47.60	1.77
06 46 36 00-0709	LF	1-1/2"	x 1-1/2" Custom Shaped White Oak	17.99	1.22
06 46 36 00-0710	LF	1-1/2"	x 2-1/2" Custom Shaped White Oak	25.00	1.33
06 46 36 00-0711	LF	1-1/2"	x 3-1/2" Custom Shaped White Oak	32.00	1.33
06 46 36 00-0712	LF	1-1/2"	x 4-1/2" Custom Shaped White Oak	38.99	1.44
06 46 36 00-0713	LF	1-1/2"	x 5-1/2" Custom Shaped White Oak	46.01	1.44
06 46 36 00-0714	LF	1-1/2"	x 6-1/2" Custom Shaped White Oak	53.25	1.55
06 46 36 00-0715	LF	1-1/2"	x 7-1/2" Custom Shaped White Oak	60.23	1.55
06 46 36 00-0716	LF	1-1/2"	x 8-1/2" Custom Shaped White Oak	67.27	1.66
06 46 36 00-0717	LF	1-1/2"	x 9-1/2" Custom Shaped White Oak	73.29	1.66
06 46 36 00-0718	LF	1-1/2"	x 10-1/2" Custom Shaped White Oak	81.36	1.77
06 46 36 00-0719	LF	1-1/2"	x 11-1/2" Custom Shaped White Oak	88.41	1.77

**06 46 36 00-0720 White Pine (06 46 36)**

06 46 36 00-0721	LF	3/4"	x 1-1/2" Custom Shaped White Pine	8.37	1.22
06 46 36 00-0722	LF	3/4"	x 2-1/2" Custom Shaped White Pine	10.72	1.22
06 46 36 00-0723	LF	3/4"	x 3-1/2" Custom Shaped White Pine	13.08	1.22
06 46 36 00-0724	LF	3/4"	x 4-1/2" Custom Shaped White Pine	15.44	1.33
06 46 36 00-0725	LF	3/4"	x 5-1/2" Custom Shaped White Pine	17.91	1.33
06 46 36 00-0726	LF	3/4"	x 6-1/2" Custom Shaped White Pine	20.39	1.44
06 46 36 00-0727	LF	3/4"	x 7-1/2" Custom Shaped White Pine	22.73	1.44
06 46 36 00-0728	LF	3/4"	x 8-1/2" Custom Shaped White Pine	25.11	1.44
06 46 36 00-0729	LF	3/4"	x 9-1/2" Custom Shaped White Pine	28.81	1.55
06 46 36 00-0730	LF	3/4"	x 10-1/2" Custom Shaped White Pine	31.45	1.66
06 46 36 00-0731	LF	1"	x 1-1/2" Custom Shaped White Pine	9.36	1.22
06 46 36 00-0732	LF	1"	x 2-1/2" Custom Shaped White Pine	12.19	1.22
06 46 36 00-0733	LF	1"	x 3-1/2" Custom Shaped White Pine	14.96	1.33
06 46 36 00-0734	LF	1"	x 4-1/2" Custom Shaped White Pine	17.78	1.33
06 46 36 00-0735	LF	1"	x 5-1/2" Custom Shaped White Pine	20.67	1.44
06 46 36 00-0736	LF	1"	x 6-1/2" Custom Shaped White Pine	23.61	1.44
06 46 36 00-0737	LF	1"	x 7-1/2" Custom Shaped White Pine	26.37	1.44
06 46 36 00-0738	LF	1"	x 8-1/2" Custom Shaped White Pine	29.22	1.55
06 46 36 00-0739	LF	1"	x 9-1/2" Custom Shaped White Pine	31.94	1.55

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

06 46 36 00-0740	LF	1" x 10-1/2" Custom Shaped White Pine .....	34.91	1.66
06 46 36 00-0741	LF	1" x 11-1/2" Custom Shaped White Pine .....	37.73	1.66
06 46 36 00-0742	LF	1-1/4" x 1-1/2" Custom Shaped White Pine .....	10.54	1.22
06 46 36 00-0743	LF	1-1/4" x 2-1/2" Custom Shaped White Pine .....	13.88	1.22
06 46 36 00-0744	LF	1-1/4" x 3-1/2" Custom Shaped White Pine .....	17.30	1.33
06 46 36 00-0745	LF	1-1/4" x 4-1/2" Custom Shaped White Pine .....	20.54	1.33
06 46 36 00-0746	LF	1-1/4" x 5-1/2" Custom Shaped White Pine .....	23.99	1.44
06 46 36 00-0747	LF	1-1/4" x 6-1/2" Custom Shaped White Pine .....	27.44	1.44
06 46 36 00-0748	LF	1-1/4" x 7-1/2" Custom Shaped White Pine .....	30.76	1.55
06 46 36 00-0749	LF	1-1/4" x 8-1/2" Custom Shaped White Pine .....	34.11	1.55
06 46 36 00-0750	LF	1-1/4" x 9-1/2" Custom Shaped White Pine .....	37.39	1.55
06 46 36 00-0751	LF	1-1/4" x 10-1/2" Custom Shaped White Pine .....	40.88	1.66
06 46 36 00-0752	LF	1-1/4" x 11-1/2" Custom Shaped White Pine .....	44.25	1.77
06 46 36 00-0753	LF	1-1/2" x 1-1/2" Custom Shaped White Pine .....	13.16	1.22
06 46 36 00-0754	LF	1-1/2" x 2-1/2" Custom Shaped White Pine .....	17.75	1.33
06 46 36 00-0755	LF	1-1/2" x 3-1/2" Custom Shaped White Pine .....	22.33	1.33
06 46 36 00-0756	LF	1-1/2" x 4-1/2" Custom Shaped White Pine .....	26.91	1.44
06 46 36 00-0757	LF	1-1/2" x 5-1/2" Custom Shaped White Pine .....	31.51	1.44
06 46 36 00-0758	LF	1-1/2" x 6-1/2" Custom Shaped White Pine .....	36.33	1.55
06 46 36 00-0759	LF	1-1/2" x 7-1/2" Custom Shaped White Pine .....	40.90	1.55
06 46 36 00-0760	LF	1-1/2" x 8-1/2" Custom Shaped White Pine .....	45.52	1.66
06 46 36 00-0761	LF	1-1/2" x 9-1/2" Custom Shaped White Pine .....	50.98	1.66
06 46 36 00-0762	LF	1-1/2" x 10-1/2" Custom Shaped White Pine .....	54.79	1.77
06 46 36 00-0763	LF	1-1/2" x 11-1/2" Custom Shaped White Pine .....	59.42	1.77
06 46 36 00-0764	LF	2" x 1-1/2" Custom Shaped White Pine .....	20.13	1.33
06 46 36 00-0765	LF	2" x 2-1/2" Custom Shaped White Pine .....	28.15	1.33
06 46 36 00-0766	LF	2" x 3-1/2" Custom Shaped White Pine .....	36.16	1.33
06 46 36 00-0767	LF	2" x 4-1/2" Custom Shaped White Pine .....	44.26	1.44
06 46 36 00-0768	LF	2" x 5-1/2" Custom Shaped White Pine .....	52.28	1.44
06 46 36 00-0769	LF	2" x 6-1/2" Custom Shaped White Pine .....	60.50	1.55
06 46 36 00-0770	LF	2" x 7-1/2" Custom Shaped White Pine .....	68.51	1.55
06 46 36 00-0771	LF	2" x 8-1/2" Custom Shaped White Pine .....	76.64	1.66
06 46 36 00-0772	LF	2" x 9-1/2" Custom Shaped White Pine .....	84.65	1.66
06 46 36 00-0773	LF	2" x 10-1/2" Custom Shaped White Pine .....	92.66	1.77
06 46 36 00-0774	LF	2" x 11-1/2" Custom Shaped White Pine .....	100.90	1.88
06 46 36 00-0775	LF	2-1/2" x 1-1/2" Custom Shaped White Pine .....	23.95	1.33
06 46 36 00-0776	LF	2-1/2" x 2-1/2" Custom Shaped White Pine .....	33.83	1.33
06 46 36 00-0777	LF	2-1/2" x 3-1/2" Custom Shaped White Pine .....	43.70	1.44
06 46 36 00-0778	LF	2-1/2" x 4-1/2" Custom Shaped White Pine .....	53.67	1.44
06 46 36 00-0779	LF	2-1/2" x 5-1/2" Custom Shaped White Pine .....	63.54	1.44
06 46 36 00-0780	LF	2-1/2" x 6-1/2" Custom Shaped White Pine .....	73.62	1.55
06 46 36 00-0781	LF	2-1/2" x 7-1/2" Custom Shaped White Pine .....	83.50	1.66
06 46 36 00-0782	LF	2-1/2" x 8-1/2" Custom Shaped White Pine .....	93.48	1.66
06 46 36 00-0783	LF	2-1/2" x 9-1/2" Custom Shaped White Pine .....	103.34	1.77
06 46 36 00-0784	LF	2-1/2" x 10-1/2" Custom Shaped White Pine .....	113.21	1.77
06 46 36 00-0785	LF	2-1/2" x 11-1/2" Custom Shaped White Pine .....	123.31	1.88
06 46 36 00-0786	LF	3-1/2" x 3-1/2" Custom Shaped White Pine .....	60.54	1.44
06 46 36 00-0787	LF	3-1/2" x 4-1/2" Custom Shaped White Pine .....	74.69	1.44
06 46 36 00-0788	LF	3-1/2" x 5-1/2" Custom Shaped White Pine .....	88.75	1.55
06 46 36 00-0789	LF	3-1/2" x 6-1/2" Custom Shaped White Pine .....	103.01	1.66
06 46 36 00-0790	LF	3-1/2" x 7-1/2" Custom Shaped White Pine .....	117.06	1.66
06 46 36 00-0791	LF	3-1/2" x 8-1/2" Custom Shaped White Pine .....	131.22	1.77
06 46 36 00-0792	LF	3-1/2" x 9-1/2" Custom Shaped White Pine .....	145.27	1.77
06 46 36 00-0793	LF	3-1/2" x 10-1/2" Custom Shaped White Pine .....	159.32	1.77
06 46 36 00-0794	LF	3-1/2" x 11-1/2" Custom Shaped White Pine .....	173.60	1.88

**06 46 36 00-0795 Clear Heart Redwood** (06 46 36)

06 46 36 00-0796	LF	3/4" x 1-1/2" Custom Shaped Clear Heart Redwood .....	7.35	1.22
06 46 36 00-0797	LF	3/4" x 2-1/2" Custom Shaped Clear Heart Redwood .....	9.19	1.22
06 46 36 00-0798	LF	3/4" x 3-1/2" Custom Shaped Clear Heart Redwood .....	11.04	1.22
06 46 36 00-0799	LF	3/4" x 4-1/2" Custom Shaped Clear Heart Redwood .....	12.89	1.33
06 46 36 00-0800	LF	3/4" x 5-1/2" Custom Shaped Clear Heart Redwood .....	14.85	1.33
06 46 36 00-0801	LF	3/4" x 6-1/2" Custom Shaped Clear Heart Redwood .....	16.81	1.44
06 46 36 00-0802	LF	3/4" x 7-1/2" Custom Shaped Clear Heart Redwood .....	20.50	1.44
06 46 36 00-0803	LF	3/4" x 8-1/2" Custom Shaped Clear Heart Redwood .....	22.60	1.44
06 46 36 00-0804	LF	3/4" x 9-1/2" Custom Shaped Clear Heart Redwood .....	22.72	1.55
06 46 36 00-0805	LF	3/4" x 10-1/2" Custom Shaped Clear Heart Redwood .....	24.29	1.66
06 46 36 00-0806	LF	1" x 1-1/2" Custom Shaped Clear Heart Redwood .....	8.81	1.22
06 46 36 00-0807	LF	1" x 2-1/2" Custom Shaped Clear Heart Redwood .....	11.31	1.22
06 46 36 00-0808	LF	1" x 3-1/2" Custom Shaped Clear Heart Redwood .....	13.80	1.33
06 46 36 00-0809	LF	1" x 4-1/2" Custom Shaped Clear Heart Redwood .....	16.29	1.33
06 46 36 00-0810	LF	1" x 5-1/2" Custom Shaped Clear Heart Redwood .....	18.95	1.44
06 46 36 00-0811	LF	1" x 6-1/2" Custom Shaped Clear Heart Redwood .....	21.57	1.44
06 46 36 00-0812	LF	1" x 7-1/2" Custom Shaped Clear Heart Redwood .....	27.30	1.44
06 46 36 00-0813	LF	1" x 8-1/2" Custom Shaped Clear Heart Redwood .....	30.24	1.55
06 46 36 00-0814	LF	1" x 9-1/2" Custom Shaped Clear Heart Redwood .....	33.10	1.55
06 46 36 00-0815	LF	1" x 10-1/2" Custom Shaped Clear Heart Redwood .....	36.17	1.66
06 46 36 00-0816	LF	1-1/2" x 1-1/2" Custom Shaped Clear Heart Redwood .....	11.49	1.22
06 46 36 00-0817	LF	1-1/2" x 2-1/2" Custom Shaped Clear Heart Redwood .....	15.24	1.33
06 46 36 00-0818	LF	1-1/2" x 3-1/2" Custom Shaped Clear Heart Redwood .....	18.99	1.33
06 46 36 00-0819	LF	1-1/2" x 4-1/2" Custom Shaped Clear Heart Redwood .....	22.73	1.44
06 46 36 00-0820	LF	1-1/2" x 5-1/2" Custom Shaped Clear Heart Redwood .....	26.50	1.44
06 46 36 00-0821	LF	1-1/2" x 6-1/2" Custom Shaped Clear Heart Redwood .....	30.57	1.55
06 46 36 00-0822	LF	1-1/2" x 7-1/2" Custom Shaped Clear Heart Redwood .....	40.90	1.55

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0823	LF		1-1/2" x 8-1/2" Custom Shaped Clear Heart Redwood .....	45.52	1.66
06 46 36 00-0824	LF		1-1/2" x 9-1/2" Custom Shaped Clear Heart Redwood.....	53.77	1.66
06 46 36 00-0825	LF		1-1/2" x 10-1/2" Custom Shaped Clear Heart Redwood.....	58.87	1.77
06 46 36 00-0826	LF		3-1/2" x 3-1/2" Custom Shaped Clear Heart Redwood.....	56.82	1.44
06 46 36 00-0827	LF		3-1/2" x 4-1/2" Custom Shaped Clear Heart Redwood.....	70.04	1.44
06 46 36 00-0828	LF		3-1/2" x 5-1/2" Custom Shaped Clear Heart Redwood.....	83.17	1.55
06 46 36 00-0829	LF		3-1/2" x 6-1/2" Custom Shaped Clear Heart Redwood.....	96.51	1.66
06 46 36 00-0830	LF		3-1/2" x 7-1/2" Custom Shaped Clear Heart Redwood.....	109.63	1.66
06 46 36 00-0831	LF		3-1/2" x 8-1/2" Custom Shaped Clear Heart Redwood.....	122.86	1.77
06 46 36 00-0832	LF		3-1/2" x 9-1/2" Custom Shaped Clear Heart Redwood.....	135.98	1.77
06 46 36 00-0833	LF		3-1/2" x 10-1/2" Custom Shaped Clear Heart Redwood.....	149.10	1.77
06 46 36 00-0834	LF		3-1/2" x 11-1/2" Custom Shaped Clear Heart Redwood.....	162.45	1.88
<b>06 46 36 00-0835 Walnut (06 46 36)</b>					
06 46 36 00-0836	LF		3/4" x 1-1/2" Custom Shaped Walnut .....	10.97	1.22
06 46 36 00-0837	LF		3/4" x 2-1/2" Custom Shaped Walnut .....	14.62	1.22
06 46 36 00-0838	LF		3/4" x 3-1/2" Custom Shaped Walnut .....	18.29	1.22
06 46 36 00-0839	LF		3/4" x 4-1/2" Custom Shaped Walnut .....	21.95	1.33
06 46 36 00-0840	LF		3/4" x 5-1/2" Custom Shaped Walnut .....	25.72	1.33
06 46 36 00-0841	LF		3/4" x 6-1/2" Custom Shaped Walnut .....	29.50	1.44
06 46 36 00-0842	LF		3/4" x 7-1/2" Custom Shaped Walnut .....	33.14	1.44
06 46 36 00-0843	LF		3/4" x 8-1/2" Custom Shaped Walnut .....	36.82	1.44
06 46 36 00-0844	LF		3/4" x 9-1/2" Custom Shaped Walnut .....	40.42	1.55
06 46 36 00-0845	LF		3/4" x 10-1/2" Custom Shaped Walnut .....	44.22	1.66
06 46 36 00-0846	LF		3/4" x 11-1/2" Custom Shaped Walnut .....	47.94	1.66
06 46 36 00-0847	LF		1" x 1-1/2" Custom Shaped Walnut .....	13.08	1.22
06 46 36 00-0848	LF		1" x 2-1/2" Custom Shaped Walnut .....	17.76	1.22
06 46 36 00-0849	LF		1" x 3-1/2" Custom Shaped Walnut .....	22.39	1.33
06 46 36 00-0850	LF		1" x 4-1/2" Custom Shaped Walnut .....	27.07	1.33
06 46 36 00-0851	LF		1" x 5-1/2" Custom Shaped Walnut .....	31.82	1.44
06 46 36 00-0852	LF		1" x 6-1/2" Custom Shaped Walnut .....	36.62	1.44
06 46 36 00-0853	LF		1" x 7-1/2" Custom Shaped Walnut .....	41.24	1.44
06 46 36 00-0854	LF		1" x 8-1/2" Custom Shaped Walnut .....	45.95	1.55
06 46 36 00-0855	LF		1" x 9-1/2" Custom Shaped Walnut .....	50.52	1.55
06 46 36 00-0856	LF		1" x 10-1/2" Custom Shaped Walnut .....	55.36	1.66
06 46 36 00-0857	LF		1" x 11-1/2" Custom Shaped Walnut .....	60.03	1.66
06 46 36 00-0858	LF		1-1/4" x 1-1/2" Custom Shaped Walnut .....	15.98	1.22
06 46 36 00-0859	LF		1-1/4" x 2-1/2" Custom Shaped Walnut .....	22.06	1.22
06 46 36 00-0860	LF		1-1/4" x 3-1/2" Custom Shaped Walnut .....	28.08	1.33
06 46 36 00-0861	LF		1-1/4" x 4-1/2" Custom Shaped Walnut .....	34.15	1.33
06 46 36 00-0862	LF		1-1/4" x 5-1/2" Custom Shaped Walnut .....	40.29	1.44
06 46 36 00-0863	LF		1-1/4" x 6-1/2" Custom Shaped Walnut .....	46.49	1.44
06 46 36 00-0864	LF		1-1/4" x 7-1/2" Custom Shaped Walnut .....	52.50	1.55
06 46 36 00-0865	LF		1-1/4" x 8-1/2" Custom Shaped Walnut .....	58.60	1.55
06 46 36 00-0866	LF		1-1/4" x 9-1/2" Custom Shaped Walnut .....	64.57	1.55
06 46 36 00-0867	LF		1-1/4" x 10-1/2" Custom Shaped Walnut .....	70.80	1.66
06 46 36 00-0868	LF		1-1/4" x 11-1/2" Custom Shaped Walnut .....	76.87	1.77
06 46 36 00-0869	LF		1-1/2" x 1-1/2" Custom Shaped Walnut .....	21.52	1.22
06 46 36 00-0870	LF		1-1/2" x 2-1/2" Custom Shaped Walnut .....	30.30	1.33
06 46 36 00-0871	LF		1-1/2" x 3-1/2" Custom Shaped Walnut .....	39.06	1.33
06 46 36 00-0872	LF		1-1/2" x 4-1/2" Custom Shaped Walnut .....	47.82	1.44
06 46 36 00-0873	LF		1-1/2" x 5-1/2" Custom Shaped Walnut .....	56.60	1.44
06 46 36 00-0874	LF		1-1/2" x 6-1/2" Custom Shaped Walnut .....	65.61	1.55
06 46 36 00-0875	LF		1-1/2" x 7-1/2" Custom Shaped Walnut .....	74.36	1.55
06 46 36 00-0876	LF		1-1/2" x 8-1/2" Custom Shaped Walnut .....	83.16	1.66
06 46 36 00-0877	LF		1-1/2" x 9-1/2" Custom Shaped Walnut .....	92.80	1.66
06 46 36 00-0878	LF		1-1/2" x 10-1/2" Custom Shaped Walnut .....	100.79	1.77
06 46 36 00-0879	LF		1-1/2" x 11-1/2" Custom Shaped Walnut .....	109.60	1.77
06 46 36 00-0880	LF		2" x 1-1/2" Custom Shaped Walnut .....	35.93	1.33
06 46 36 00-0881	LF		2" x 2-1/2" Custom Shaped Walnut .....	51.84	1.33
06 46 36 00-0882	LF		2" x 3-1/2" Custom Shaped Walnut .....	67.75	1.33
06 46 36 00-0883	LF		2" x 4-1/2" Custom Shaped Walnut .....	83.76	1.44
06 46 36 00-0884	LF		2" x 5-1/2" Custom Shaped Walnut .....	99.68	1.44
06 46 36 00-0885	LF		2" x 6-1/2" Custom Shaped Walnut .....	115.79	1.55
06 46 36 00-0886	LF		2" x 7-1/2" Custom Shaped Walnut .....	131.70	1.55
06 46 36 00-0887	LF		2" x 8-1/2" Custom Shaped Walnut .....	147.73	1.66
06 46 36 00-0888	LF		2" x 9-1/2" Custom Shaped Walnut .....	163.64	1.66
06 46 36 00-0889	LF		2" x 10-1/2" Custom Shaped Walnut .....	179.55	1.77
06 46 36 00-0890	LF		2" x 11-1/2" Custom Shaped Walnut .....	195.68	1.88
06 46 36 00-0891	LF		2-1/2" x 1-1/2" Custom Shaped Walnut .....	44.86	1.33
06 46 36 00-0892	LF		2-1/2" x 2-1/2" Custom Shaped Walnut .....	65.20	1.33
06 46 36 00-0893	LF		2-1/2" x 3-1/2" Custom Shaped Walnut .....	85.52	1.44
06 46 36 00-0894	LF		2-1/2" x 4-1/2" Custom Shaped Walnut .....	105.94	1.44
06 46 36 00-0895	LF		2-1/2" x 5-1/2" Custom Shaped Walnut .....	126.27	1.44
06 46 36 00-0896	LF		2-1/2" x 6-1/2" Custom Shaped Walnut .....	146.80	1.55
06 46 36 00-0897	LF		2-1/2" x 7-1/2" Custom Shaped Walnut .....	167.13	1.66
06 46 36 00-0898	LF		2-1/2" x 8-1/2" Custom Shaped Walnut .....	187.57	1.66
06 46 36 00-0899	LF		2-1/2" x 9-1/2" Custom Shaped Walnut .....	207.89	1.77
06 46 36 00-0900	LF		2-1/2" x 10-1/2" Custom Shaped Walnut .....	228.21	1.77
06 46 36 00-0901	LF		2-1/2" x 11-1/2" Custom Shaped Walnut .....	248.76	1.88

**06 48 Wood Frames (06 40)**

Note: Includes perimeter caulk, sealant (as required), anchors and silencers.

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 48 Wood Frames**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST
**06 48 13 Exterior Wood Door Frames (06 48)****06 48 13 00-0001 Exterior Door Frames (06 48 13)**

Note: 6'-8" and 7'-2" frames are the same price as 7' frames. Custom made with threshold, includes all trim molding, up to 8" depth.

06 48 13 00-0002	EA	3' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	473.76	62.95
		<i>For Birch, Add</i>	121.79	
		<i>For Mahogany, Add</i>	295.77	
06 48 13 00-0003	EA	3'-6" x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	499.01	65.97
		<i>For Birch, Add</i>	128.68	
		<i>For Mahogany, Add</i>	312.51	
06 48 13 00-0004	EA	4' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	524.27	68.54
		<i>For Birch, Add</i>	135.56	
		<i>For Mahogany, Add</i>	329.22	
06 48 13 00-0005	EA	5' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	573.40	73.35
		<i>For Birch, Add</i>	149.32	
		<i>For Mahogany, Add</i>	362.63	
06 48 13 00-0006	EA	6' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	623.21	78.61
		<i>For Birch, Add</i>	163.09	
		<i>For Mahogany, Add</i>	396.07	
06 48 13 00-0007	EA	3' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	765.48	63.18
06 48 13 00-0008	EA	3'-6" x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	776.37	65.97
06 48 13 00-0009	EA	4' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	787.23	68.76
06 48 13 00-0010	EA	5' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	806.79	73.24
06 48 13 00-0011	EA	6' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	828.71	78.83
06 48 13 00-0012	EA	3' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	574.05	63.18
06 48 13 00-0013	EA	3'-6" x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	602.22	65.97
06 48 13 00-0014	EA	4' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	630.50	68.76
06 48 13 00-0015	EA	5' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	684.59	73.24
06 48 13 00-0016	EA	6' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	740.97	78.83

**06 48 16 Interior Wood Door Frames (06 48)****06 48 16 00-0001 Interior Door Frames (06 48 16)**

Note: 6'-8" and 7'-2" frames are the same price as 7' frames. Custom made, includes all trim molding.

06 48 16 00-0002	EA	2'-0" Or 2'-4" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	239.99	29.96
		<i>For Oak Or Maple, Add</i>	55.83	
		<i>For Birch, Add</i>	63.03	
		<i>For Mahogany, Add</i>	153.08	
		<i>For Walnut Frame, Add</i>	81.04	
06 48 16 00-0003	EA	2'-6" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	241.80	30.07
		<i>For Oak Or Maple, Add</i>	56.30	
		<i>For Birch, Add</i>	63.56	
		<i>For Mahogany, Add</i>	154.37	
		<i>For Walnut Frame, Add</i>	81.72	
06 48 16 00-0004	EA	2'-8" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	244.34	30.63
		<i>For Oak Or Maple, Add</i>	56.72	
		<i>For Birch, Add</i>	64.04	
		<i>For Mahogany, Add</i>	155.53	
		<i>For Walnut Frame, Add</i>	82.34	
06 48 16 00-0005	EA	3' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	247.68	31.42
		<i>For Oak Or Maple, Add</i>	57.28	
		<i>For Birch, Add</i>	64.68	
		<i>For Mahogany, Add</i>	157.07	
		<i>For Walnut Frame, Add</i>	83.16	
06 48 16 00-0006	EA	3'-4" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	253.21	32.20
		<i>For Oak Or Maple, Add</i>	58.50	
		<i>For Birch, Add</i>	66.05	
		<i>For Mahogany, Add</i>	160.40	
		<i>For Walnut Frame, Add</i>	84.92	
06 48 16 00-0007	EA	4' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	267.15	34.22
		<i>For Oak Or Maple, Add</i>	61.59	
		<i>For Birch, Add</i>	69.53	
		<i>For Mahogany, Add</i>	168.87	
		<i>For Walnut Frame, Add</i>	89.40	
06 48 16 00-0008	EA	5' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	282.77	37.01
		<i>For Oak Or Maple, Add</i>	64.69	
		<i>For Birch, Add</i>	73.04	
		<i>For Mahogany, Add</i>	177.39	
		<i>For Walnut Frame, Add</i>	93.91	
06 48 16 00-0009	EA	6' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	297.28	39.36
		<i>For Oak Or Maple, Add</i>	67.78	
		<i>For Birch, Add</i>	76.53	
		<i>For Mahogany, Add</i>	185.86	
		<i>For Walnut Frame, Add</i>	98.40	
06 48 16 00-0010	LF	4-9/16", Pine Interior Door Frame	8.66	2.68
		<i>For Oak Or Maple, Add</i>	1.02	
		<i>For Birch, Add</i>	1.16	
		<i>For Mahogany, Add</i>	2.81	
		<i>For Walnut Frame, Add</i>	1.49	

**06 49 Wood Screens and Exterior Wood Shutters (06 40)****06 49 19 Exterior Wood Shutters (06 49)**

See CSI section 10 71 13 13-0000 for exterior shutters.

**06 50 Structural Plastics (06)**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**06 51 Structural Plastic Shapes and Plates (06 50)**

**06 51 13 Plastic Lumber (06 51)**

**06 51 13 00-0001 Beams And Girders, Recycled Plastic Lumber (06 51 13)**

06 51 13 00-0002	LF		2" x 6", Beam Or Girder, Recycled Plastic Lumber.....	10.81	1.80
			<i>For Reinforced Structural Plastic Lumber, Add</i>	3.05	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.74	
			<i>For White Color, Add</i>	3.50	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	2.97	
06 51 13 00-0003	LF		2" x 8", Beam Or Girder, Recycled Plastic Lumber.....	13.75	1.96
			<i>For Reinforced Structural Plastic Lumber, Add</i>	4.05	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.99	
			<i>For White Color, Add</i>	4.65	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	3.94	
06 51 13 00-0004	LF		2" x 10", Beam Or Girder, Recycled Plastic Lumber.....	16.42	2.11
			<i>For Reinforced Structural Plastic Lumber, Add</i>	4.96	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.21	
			<i>For White Color, Add</i>	5.70	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	4.82	
06 51 13 00-0005	LF		3" x 10", Beam Or Girder, Recycled Plastic Lumber.....	23.91	2.51
			<i>For Reinforced Structural Plastic Lumber, Add</i>	7.52	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.83	
			<i>For White Color, Add</i>	8.64	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	7.32	
06 51 13 00-0006	LF		3" x 12", Beam Or Girder, Recycled Plastic Lumber.....	28.60	2.81
			<i>For Reinforced Structural Plastic Lumber, Add</i>	9.09	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	2.21	
			<i>For White Color, Add</i>	10.44	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	8.85	
06 51 13 00-0007	LF		4" x 4", Beam Or Girder, Recycled Plastic Lumber.....	15.55	2.43
			<i>For Reinforced Structural Plastic Lumber, Add</i>	4.47	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.09	
			<i>For White Color, Add</i>	5.14	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	4.35	
06 51 13 00-0008	LF		4" x 6", Beam Or Girder, Recycled Plastic Lumber.....	20.86	2.58
			<i>For Reinforced Structural Plastic Lumber, Add</i>	6.35	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.55	
			<i>For White Color, Add</i>	7.30	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	6.18	
06 51 13 00-0009	LF		5" x 5", Beam Or Girder, Recycled Plastic Lumber.....	21.72	2.66
			<i>For Reinforced Structural Plastic Lumber, Add</i>	6.63	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.61	
			<i>For White Color, Add</i>	7.61	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	6.45	
06 51 13 00-0010	LF		6" x 6", Beam Or Girder, Recycled Plastic Lumber.....	29.84	2.90
			<i>For Reinforced Structural Plastic Lumber, Add</i>	9.51	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	2.31	
			<i>For White Color, Add</i>	10.92	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	9.25	
06 51 13 00-0011	LF		6" x 8", Beam Or Girder, Recycled Plastic Lumber.....	40.59	3.05
			<i>For Reinforced Structural Plastic Lumber, Add</i>	13.40	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	3.26	
			<i>For White Color, Add</i>	15.39	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	13.04	

**06 51 13 00-0012 Joists, Recycled Plastic Lumber (06 51 13)**

06 51 13 00-0013	LF		2" x 4", Joist, Recycled Plastic Lumber.....	7.00	1.01
			<i>For Reinforced Structural Plastic Lumber, Add</i>	2.05	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.50	
			<i>For White Color, Add</i>	2.36	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	2.00	
06 51 13 00-0014	LF		2" x 6", Joist, Recycled Plastic Lumber.....	9.69	1.07
			<i>For Reinforced Structural Plastic Lumber, Add</i>	3.05	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.74	
			<i>For White Color, Add</i>	3.50	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	2.97	
06 51 13 00-0015	LF		2" x 8", Joist, Recycled Plastic Lumber.....	12.63	1.18
			<i>For Reinforced Structural Plastic Lumber, Add</i>	4.05	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.99	
			<i>For White Color, Add</i>	4.65	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	3.94	

**06 Wood, Plastics, and Composites****06 50 Structural Plastics****06 51 Structural Plastic Shapes and Plates**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
06 51 13 00-0016	LF 2" x 10", Joist, Recycled Plastic Lumber.....	15.41	1.41
	<i>For Reinforced Structural Plastic Lumber, Add</i>	4.96	
	<i>Note: High density polyethylene combined with fiberglass.</i>		
	<i>For Brown Color, Add</i>	1.21	
	<i>For White Color, Add</i>	5.70	
	<i>For All Other Colors (Except Black, Brown Or White), Add</i>	4.82	
06 51 13 00-0017	LF 3" x 10", Joist, Recycled Plastic Lumber.....	22.68	1.65
	<i>For Reinforced Structural Plastic Lumber, Add</i>	7.52	
	<i>Note: High density polyethylene combined with fiberglass.</i>		
	<i>For Brown Color, Add</i>	1.83	
	<i>For White Color, Add</i>	8.64	
	<i>For All Other Colors (Except Black, Brown Or White), Add</i>	7.32	
06 51 13 00-0018	LF 3" x 12", Joist, Recycled Plastic Lumber.....	27.60	2.11
	<i>For Reinforced Structural Plastic Lumber, Add</i>	9.09	
	<i>Note: High density polyethylene combined with fiberglass.</i>		
	<i>For Brown Color, Add</i>	2.21	
	<i>For White Color, Add</i>	10.44	
	<i>For All Other Colors (Except Black, Brown Or White), Add</i>	8.85	
06 51 13 00-0019	LF 4" x 4", Joist, Recycled Plastic Lumber.....	14.21	1.48
	<i>For Reinforced Structural Plastic Lumber, Add</i>	4.47	
	<i>Note: High density polyethylene combined with fiberglass.</i>		
	<i>For Brown Color, Add</i>	1.09	
	<i>For White Color, Add</i>	5.14	
	<i>For All Other Colors (Except Black, Brown Or White), Add</i>	4.35	
06 51 13 00-0020	LF 4" x 6", Joist, Recycled Plastic Lumber.....	19.41	1.56
	<i>For Reinforced Structural Plastic Lumber, Add</i>	6.35	
	<i>Note: High density polyethylene combined with fiberglass.</i>		
	<i>For Brown Color, Add</i>	1.55	
	<i>For White Color, Add</i>	7.30	
	<i>For All Other Colors (Except Black, Brown Or White), Add</i>	6.18	
06 51 13 00-0021	LF 5" x 5", Joist, Recycled Plastic Lumber.....	20.37	1.72
	<i>For Reinforced Structural Plastic Lumber, Add</i>	6.63	
	<i>Note: High density polyethylene combined with fiberglass.</i>		
	<i>For Brown Color, Add</i>	1.61	
	<i>For White Color, Add</i>	7.61	
	<i>For All Other Colors (Except Black, Brown Or White), Add</i>	6.45	
06 51 13 00-0022	LF 6" x 6", Joist, Recycled Plastic Lumber.....	28.49	1.96
	<i>For Reinforced Structural Plastic Lumber, Add</i>	9.51	
	<i>Note: High density polyethylene combined with fiberglass.</i>		
	<i>For Brown Color, Add</i>	2.31	
	<i>For White Color, Add</i>	10.92	
	<i>For All Other Colors (Except Black, Brown Or White), Add</i>	9.25	
06 51 13 00-0023	LF 6" x 8", Joist, Recycled Plastic Lumber.....	39.25	2.11
	<i>For Reinforced Structural Plastic Lumber, Add</i>	13.40	
	<i>Note: High density polyethylene combined with fiberglass.</i>		
	<i>For Brown Color, Add</i>	3.26	
	<i>For White Color, Add</i>	15.39	
	<i>For All Other Colors (Except Black, Brown Or White), Add</i>	13.04	
<b>06 51 13 00-0024</b>	<b>Columns, Recycled Plastic Lumber</b> (06 51 13)		
06 51 13 00-0025	LF 4" x 4", Column, Recycled Plastic Lumber.....	16.68	3.21
	<i>For Reinforced Structural Plastic Lumber, Add</i>	4.47	
	<i>Note: High density polyethylene combined with fiberglass.</i>		
	<i>For Brown Color, Add</i>	1.09	
	<i>For White Color, Add</i>	5.14	
	<i>For All Other Colors (Except Black, Brown Or White), Add</i>	4.35	
06 51 13 00-0026	LF 4" x 6", Column, Recycled Plastic Lumber.....	23.65	4.54
	<i>For Reinforced Structural Plastic Lumber, Add</i>	6.35	
	<i>Note: High density polyethylene combined with fiberglass.</i>		
	<i>For Brown Color, Add</i>	1.55	
	<i>For White Color, Add</i>	7.30	
	<i>For All Other Colors (Except Black, Brown Or White), Add</i>	6.18	
06 51 13 00-0027	LF 5" x 5", Column, Recycled Plastic Lumber.....	25.18	5.09
	<i>For Reinforced Structural Plastic Lumber, Add</i>	6.63	
	<i>Note: High density polyethylene combined with fiberglass.</i>		
	<i>For Brown Color, Add</i>	1.61	
	<i>For White Color, Add</i>	7.61	
	<i>For All Other Colors (Except Black, Brown Or White), Add</i>	6.45	
06 51 13 00-0028	LF 6" x 6", Column, Recycled Plastic Lumber.....	33.97	5.79
	<i>For Reinforced Structural Plastic Lumber, Add</i>	9.51	
	<i>Note: High density polyethylene combined with fiberglass.</i>		
	<i>For Brown Color, Add</i>	2.31	
	<i>For White Color, Add</i>	10.92	
	<i>For All Other Colors (Except Black, Brown Or White), Add</i>	9.25	
06 51 13 00-0029	LF 6" x 8", Column, Recycled Plastic Lumber.....	46.40	7.12
	<i>For Reinforced Structural Plastic Lumber, Add</i>	13.40	
	<i>Note: High density polyethylene combined with fiberglass.</i>		
	<i>For Brown Color, Add</i>	3.26	
	<i>For White Color, Add</i>	15.39	
	<i>For All Other Colors (Except Black, Brown Or White), Add</i>	13.04	
<b>06 51 13 00-0030</b>	<b>Walls, Recycled Plastic Lumber</b> (06 51 13)		
06 51 13 00-0031	LF 2" x 3", Walls, Recycled Plastic Lumber.....	6.30	1.01
	<i>For Reinforced Structural Plastic Lumber, Add</i>	1.79	
	<i>Note: High density polyethylene combined with fiberglass.</i>		
	<i>For Brown Color, Add</i>	0.44	
	<i>For White Color, Add</i>	2.06	
	<i>For All Other Colors (Except Black, Brown Or White), Add</i>	1.75	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0032	LF	2" x 4"	Walls, Recycled Plastic Lumber ..... For Reinforced Structural Plastic Lumber, Add Note: High density polyethylene combined with fiberglass. For Brown Color, Add For White Color, Add For All Other Colors (Except Black, Brown Or White), Add	7.23 2.05 0.50 2.36 2.00	1.18
06 51 13 00-0033	LF	2" x 6"	Walls, Recycled Plastic Lumber ..... For Reinforced Structural Plastic Lumber, Add Note: High density polyethylene combined with fiberglass. For Brown Color, Add For White Color, Add For All Other Colors (Except Black, Brown Or White), Add	10.03 3.05 0.74 3.50 2.97	1.25
06 51 13 00-0034	LF	2" x 8"	Walls, Recycled Plastic Lumber ..... For Reinforced Structural Plastic Lumber, Add Note: High density polyethylene combined with fiberglass. For Brown Color, Add For White Color, Add For All Other Colors (Except Black, Brown Or White), Add	12.85 4.05 0.99 4.65 3.94	1.33
<b>06 51 13 00-0035 Other Shapes, Recycled Plastic Lumber (06 51 13)</b>					
06 51 13 00-0036	LF	5/4" x 4"	Other Shapes, Recycled Plastic Lumber ..... For Reinforced Structural Plastic Lumber, Add Note: High density polyethylene combined with fiberglass. For Brown Color, Add For White Color, Add For All Other Colors (Except Black, Brown Or White), Add	6.15 1.77 0.43 2.03 1.72	0.89
06 51 13 00-0037	LF	5/4" x 6"	Other Shapes, Recycled Plastic Lumber ..... For Reinforced Structural Plastic Lumber, Add Note: High density polyethylene combined with fiberglass. For Brown Color, Add For White Color, Add For All Other Colors (Except Black, Brown Or White), Add	7.79 2.35 0.57 2.69 2.28	1.01
06 51 13 00-0038	LF	5/4" x 8"	Other Shapes, Recycled Plastic Lumber ..... For Reinforced Structural Plastic Lumber, Add Note: High density polyethylene combined with fiberglass. For Brown Color, Add For White Color, Add For All Other Colors (Except Black, Brown Or White), Add	10.16 3.22 0.78 3.70 3.14	1.01
06 51 13 00-0039	LF	1" x 4"	Other Shapes, Recycled Plastic Lumber ..... For Reinforced Structural Plastic Lumber, Add Note: High density polyethylene combined with fiberglass. For Brown Color, Add For White Color, Add For All Other Colors (Except Black, Brown Or White), Add	6.19 1.78 0.43 2.05 1.74	0.89
06 51 13 00-0040	LF	1" x 6"	Other Shapes, Recycled Plastic Lumber ..... For Reinforced Structural Plastic Lumber, Add Note: High density polyethylene combined with fiberglass. For Brown Color, Add For White Color, Add For All Other Colors (Except Black, Brown Or White), Add	6.83 1.99 0.48 2.29 1.94	1.01
06 51 13 00-0041	LF	1" x 6"	Tongue And Grooved, Other Shapes, Recycled Plastic Lumber ..... For Reinforced Structural Plastic Lumber, Add Note: High density polyethylene combined with fiberglass. For Brown Color, Add For White Color, Add For All Other Colors (Except Black, Brown Or White), Add	6.95 2.04 0.50 2.34 1.98	1.01
06 51 13 00-0042	LF	2" x 2"	Other Shapes, Recycled Plastic Lumber ..... For Reinforced Structural Plastic Lumber, Add Note: High density polyethylene combined with fiberglass. For Brown Color, Add For White Color, Add For All Other Colors (Except Black, Brown Or White), Add	4.30 1.14 0.28 1.30 1.11	0.86
06 51 13 00-0043	LF	2" x 3"	Other Shapes, Recycled Plastic Lumber ..... For Reinforced Structural Plastic Lumber, Add Note: High density polyethylene combined with fiberglass. For Brown Color, Add For White Color, Add For All Other Colors (Except Black, Brown Or White), Add	6.30 1.79 0.44 2.06 1.75	1.01
06 51 13 00-0044	LF	2" x 4"	Other Shapes, Recycled Plastic Lumber ..... For Reinforced Structural Plastic Lumber, Add Note: High density polyethylene combined with fiberglass. For Brown Color, Add For White Color, Add For All Other Colors (Except Black, Brown Or White), Add	7.23 2.05 0.50 2.36 2.00	1.18
06 51 13 00-0045	LF	2" x 6"	Other Shapes, Recycled Plastic Lumber ..... For Reinforced Structural Plastic Lumber, Add Note: High density polyethylene combined with fiberglass. For Brown Color, Add For White Color, Add For All Other Colors (Except Black, Brown Or White), Add	10.03 3.05 0.74 3.50 2.97	1.25
06 51 13 00-0046	LF	2" x 8"	Other Shapes, Recycled Plastic Lumber ..... For Reinforced Structural Plastic Lumber, Add Note: High density polyethylene combined with fiberglass. For Brown Color, Add For White Color, Add For All Other Colors (Except Black, Brown Or White), Add	12.85 4.05 0.99 4.65 3.94	1.33

**06 Wood, Plastics, and Composites****06 50 Structural Plastics****06 51 Structural Plastic Shapes and Plates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

06 51 13 00-0047	LF	2" x 10", Other Shapes, Recycled Plastic Lumber	15.41	1.41
		<i>For Reinforced Structural Plastic Lumber, Add</i>	4.96	
		<i>Note: High density polyethylene combined with fiberglass.</i>		
		<i>For Brown Color, Add</i>	1.21	
		<i>For White Color, Add</i>	5.70	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>	4.82	
06 51 13 00-0048	LF	2" x 12", Other Shapes, Recycled Plastic Lumber	18.60	1.48
		<i>For Reinforced Structural Plastic Lumber, Add</i>	6.10	
		<i>Note: High density polyethylene combined with fiberglass.</i>		
		<i>For Brown Color, Add</i>	1.48	
		<i>For White Color, Add</i>	7.01	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>	5.94	
06 51 13 00-0049	LF	3" x 4", Other Shapes, Recycled Plastic Lumber	10.32	1.37
		<i>For Reinforced Structural Plastic Lumber, Add</i>	3.09	
		<i>Note: High density polyethylene combined with fiberglass.</i>		
		<i>For Brown Color, Add</i>	0.75	
		<i>For White Color, Add</i>	3.55	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>	3.01	
06 51 13 00-0050	LF	3" x 6", Other Shapes, Recycled Plastic Lumber	15.05	1.46
		<i>For Reinforced Structural Plastic Lumber, Add</i>	4.80	
		<i>Note: High density polyethylene combined with fiberglass.</i>		
		<i>For Brown Color, Add</i>	1.17	
		<i>For White Color, Add</i>	5.51	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>	4.67	
06 51 13 00-0051	LF	3" x 8", Other Shapes, Recycled Plastic Lumber	19.56	1.56
		<i>For Reinforced Structural Plastic Lumber, Add</i>	6.42	
		<i>Note: High density polyethylene combined with fiberglass.</i>		
		<i>For Brown Color, Add</i>	1.56	
		<i>For White Color, Add</i>	7.37	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>	6.25	
06 51 13 00-0052	LF	3" x 10", Other Shapes, Recycled Plastic Lumber	22.68	1.65
		<i>For Reinforced Structural Plastic Lumber, Add</i>	7.52	
		<i>Note: High density polyethylene combined with fiberglass.</i>		
		<i>For Brown Color, Add</i>	1.83	
		<i>For White Color, Add</i>	8.64	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>	7.32	
06 51 13 00-0053	LF	3" x 12", Other Shapes, Recycled Plastic Lumber	27.60	2.11
		<i>For Reinforced Structural Plastic Lumber, Add</i>	9.09	
		<i>Note: High density polyethylene combined with fiberglass.</i>		
		<i>For Brown Color, Add</i>	2.21	
		<i>For White Color, Add</i>	10.44	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>	8.85	
06 51 13 00-0054	LF	4" x 4", Other Shapes, Recycled Plastic Lumber	14.21	1.48
		<i>For Reinforced Structural Plastic Lumber, Add</i>	4.47	
		<i>Note: High density polyethylene combined with fiberglass.</i>		
		<i>For Brown Color, Add</i>	1.09	
		<i>For White Color, Add</i>	5.14	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>	4.35	
06 51 13 00-0055	LF	4" x 6", Other Shapes, Recycled Plastic Lumber	19.41	1.56
		<i>For Reinforced Structural Plastic Lumber, Add</i>	6.35	
		<i>Note: High density polyethylene combined with fiberglass.</i>		
		<i>For Brown Color, Add</i>	1.55	
		<i>For White Color, Add</i>	7.30	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>	6.18	
06 51 13 00-0056	LF	4" x 8", Other Shapes, Recycled Plastic Lumber	26.04	1.70
		<i>For Reinforced Structural Plastic Lumber, Add</i>	8.74	
		<i>Note: High density polyethylene combined with fiberglass.</i>		
		<i>For Brown Color, Add</i>	2.13	
		<i>For White Color, Add</i>	10.04	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>	8.50	
06 51 13 00-0057	LF	5" x 5", Other Shapes, Recycled Plastic Lumber	20.37	1.72
		<i>For Reinforced Structural Plastic Lumber, Add</i>	6.63	
		<i>Note: High density polyethylene combined with fiberglass.</i>		
		<i>For Brown Color, Add</i>	1.61	
		<i>For White Color, Add</i>	7.61	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>	6.45	
06 51 13 00-0058	LF	6" x 6", Other Shapes, Recycled Plastic Lumber	28.49	1.96
		<i>For Reinforced Structural Plastic Lumber, Add</i>	9.51	
		<i>Note: High density polyethylene combined with fiberglass.</i>		
		<i>For Brown Color, Add</i>	2.31	
		<i>For White Color, Add</i>	10.92	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>	9.25	
06 51 13 00-0059	LF	6" x 8", Other Shapes, Recycled Plastic Lumber	39.25	2.11
		<i>For Reinforced Structural Plastic Lumber, Add</i>	13.40	
		<i>Note: High density polyethylene combined with fiberglass.</i>		
		<i>For Brown Color, Add</i>	3.26	
		<i>For White Color, Add</i>	15.39	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>	13.04	
06 51 13 00-0060	LF	6" x 12", Other Shapes, Recycled Plastic Lumber	55.32	2.35
		<i>For Reinforced Structural Plastic Lumber, Add</i>	19.23	
		<i>Note: High density polyethylene combined with fiberglass.</i>		
		<i>For Brown Color, Add</i>	4.68	
		<i>For White Color, Add</i>	22.09	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>	18.71	
06 51 13 00-0061	LF	8" x 8", Other Shapes, Recycled Plastic Lumber	49.22	2.26
		<i>For Reinforced Structural Plastic Lumber, Add</i>	17.02	
		<i>Note: High density polyethylene combined with fiberglass.</i>		
		<i>For Brown Color, Add</i>	4.14	
		<i>For White Color, Add</i>	19.55	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>	16.56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0062	LF		8" x 10", Other Shapes, Recycled Plastic Lumber ..... <i>For Reinforced Structural Plastic Lumber, Add</i> <i>Note: High density polyethylene combined with fiberglass.</i>	83.88 29.80	2.35
			<i>For Brown Color, Add</i>	7.25	
			<i>For White Color, Add</i>	34.23	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	28.99	
06 51 13 00-0063	LF		10" x 10", Other Shapes, Recycled Plastic Lumber ..... <i>For Reinforced Structural Plastic Lumber, Add</i> <i>Note: High density polyethylene combined with fiberglass.</i>	116.27 41.72	2.46
			<i>For Brown Color, Add</i>	10.15	
			<i>For White Color, Add</i>	47.93	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	40.60	
06 51 13 00-0064	LF		2" Diameter, Other Shapes, Recycled Plastic Lumber..... <i>For Reinforced Structural Plastic Lumber, Add</i> <i>Note: High density polyethylene combined with fiberglass.</i>	4.59 1.28	0.78
			<i>For Brown Color, Add</i>	0.31	
			<i>For White Color, Add</i>	1.47	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	1.25	
06 51 13 00-0065	LF		3-1/2" Diameter, Other Shapes, Recycled Plastic Lumber ..... <i>For Reinforced Structural Plastic Lumber, Add</i> <i>Note: High density polyethylene combined with fiberglass.</i>	13.01 4.28	1.01
			<i>For Brown Color, Add</i>	1.04	
			<i>For White Color, Add</i>	4.91	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	4.16	
06 51 13 00-0066	LF		4" Diameter, Other Shapes, Recycled Plastic Lumber..... <i>For Reinforced Structural Plastic Lumber, Add</i> <i>Note: High density polyethylene combined with fiberglass.</i>	14.37 4.70	1.18
			<i>For Brown Color, Add</i>	1.14	
			<i>For White Color, Add</i>	5.39	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	4.57	
06 51 13 00-0067	LF		5" Diameter, Other Shapes, Recycled Plastic Lumber..... <i>For Reinforced Structural Plastic Lumber, Add</i> <i>Note: High density polyethylene combined with fiberglass.</i>	17.78 5.83	1.41
			<i>For Brown Color, Add</i>	1.42	
			<i>For White Color, Add</i>	6.70	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	5.68	
06 51 13 00-0068	LF		6" Diameter, Other Shapes, Recycled Plastic Lumber..... <i>For Reinforced Structural Plastic Lumber, Add</i> <i>Note: High density polyethylene combined with fiberglass.</i>	39.15 13.62	1.65
			<i>For Brown Color, Add</i>	3.31	
			<i>For White Color, Add</i>	15.64	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	13.25	
06 51 13 00-0069	SF		1/8" Thick, Other Shapes, Recycled Plastic Sheeting.....	3.74	0.86
06 51 13 00-0070	SF		1/4" Thick, Other Shapes, Recycled Plastic Sheeting.....	5.43	0.89
06 51 13 00-0071	SF		3/8" Thick, Other Shapes, Recycled Plastic Sheeting.....	7.79	0.96
06 51 13 00-0072	SF		1/2" Thick, Other Shapes, Recycled Plastic Sheeting.....	9.90	0.99

**06 52 Plastic Structural Assemblies (06 50)**
**06 52 13 Plastic Columns (06 52)**
**06 52 13 00-0001 Round Fiberglass Columns (06 52 13)**

06 52 13 00-0002	LF		6" Diameter, Round Fiberglass Column.....	21.07	6.53
06 52 13 00-0003	LF		8" Diameter, Round Fiberglass Column.....	29.60	9.49
06 52 13 00-0004	LF		10" Diameter, Round Fiberglass Column.....	34.70	10.68
06 52 13 00-0005	LF		12" Diameter, Round Fiberglass Column.....	44.67	11.18
06 52 13 00-0006	LF		15" Diameter, Round Fiberglass Column.....	55.05	12.91
06 52 13 00-0007	EA		6" Diameter, Base And Cap For Round Fiberglass Columns .....	40.90	12.36
06 52 13 00-0008	EA		8" Diameter, Base And Cap For Round Fiberglass Columns .....	45.60	13.35
06 52 13 00-0009	EA		10" Diameter, Base And Cap For Round Fiberglass Columns .....	54.50	14.84
06 52 13 00-0010	EA		12" Diameter, Base And Cap For Round Fiberglass Columns .....	79.37	15.83
06 52 13 00-0011	EA		15" Diameter, Base And Cap For Round Fiberglass Columns .....	111.07	17.31

**06 52 13 00-0012 Fluted Fiberglass Columns (06 52 13)**

06 52 13 00-0013	LF		6" Diameter, Fluted Fiberglass Column .....	22.65	6.53
06 52 13 00-0014	LF		8" Diameter, Fluted Fiberglass Column .....	31.71	9.49
06 52 13 00-0015	LF		10" Diameter, Fluted Fiberglass Column .....	37.37	10.68
06 52 13 00-0016	LF		12" Diameter, Fluted Fiberglass Column .....	49.15	11.18
06 52 13 00-0017	LF		15" Diameter, Fluted Fiberglass Column .....	60.89	12.96
06 52 13 00-0018	EA		6" Diameter, Base And Cap For Fluted Fiberglass Columns .....	44.13	12.36
06 52 13 00-0019	EA		8" Diameter, Base And Cap For Fluted Fiberglass Columns .....	49.38	13.35
06 52 13 00-0020	EA		10" Diameter, Base And Cap For Fluted Fiberglass Columns .....	59.47	14.84
06 52 13 00-0021	EA		12" Diameter, Base And Cap For Fluted Fiberglass Columns .....	88.92	15.83
06 52 13 00-0022	EA		15" Diameter, Base And Cap For Fluted Fiberglass Columns .....	126.36	17.31

**06 52 13 00-0023 Ornamental Or Decorative Cap And Base For Fiberglass Columns (06 52 13)**

06 52 13 00-0024	EA		8" Roman Ionic Cap And Base For Fiberglass Columns .....	200.65	14.84
06 52 13 00-0025	EA		10" Roman Ionic Cap And Base For Fiberglass Columns .....	269.44	17.31
06 52 13 00-0026	EA		12" Roman Ionic Cap And Base For Fiberglass Columns .....	346.89	19.78
06 52 13 00-0027	EA		8" Scamozzi Cap And Base For Fiberglass Columns .....	240.69	14.84
06 52 13 00-0028	EA		10" Scamozzi Cap And Base For Fiberglass Columns .....	290.00	17.31
06 52 13 00-0029	EA		12" Scamozzi Cap And Base For Fiberglass Columns .....	426.97	19.78
06 52 13 00-0030	EA		8" Corinthian Cap And Base For Fiberglass Columns .....	305.61	14.84
06 52 13 00-0031	EA		10" Corinthian Cap And Base For Fiberglass Columns .....	371.16	17.31
06 52 13 00-0032	EA		12" Corinthian Cap And Base For Fiberglass Columns .....	494.06	19.78

**06 Wood, Plastics, and Composites****06 50 Structural Plastics****06 52 Plastic Structural Assemblies**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 52 13 00-0033	EA		8" Temple Of Winds Cap And Base For Fiberglass Columns .....	203.89	14.84
06 52 13 00-0034	EA		10" Temple Of Winds Cap And Base For Fiberglass Columns .....	275.94	17.31
06 52 13 00-0035	EA		12" Temple Of Winds Cap And Base For Fiberglass Columns .....	353.39	19.78
06 52 13 00-0036	EA		8" Greek Erectheum Cap And Base For Fiberglass Columns.....	203.89	14.84
06 52 13 00-0037	EA		10" Greek Erectheum Cap And Base For Fiberglass Columns.....	245.64	17.31
06 52 13 00-0038	EA		12" Greek Erectheum Cap And Base For Fiberglass Columns.....	326.33	19.78

**06 53 Plastic Decking** (06 50)**06 53 16 Plastic Stair Treads** (06 53)**06 53 16 00-0001 Fiberglass Reinforced Plastic Stair Treads** (06 53 16)

Note: Includes standard colors and anchors. Excludes stringers.

06 53 16 00-0002	LF		1" Thick, 12" Wide, Fiberglass Reinforced Plastic Stair Tread With Safety Nosing, Excluding Stringer .....	35.81	2.54
06 53 16 00-0003	LF		1-1/2" Thick, 12" Wide, Fiberglass Reinforced Plastic Stair Tread With Safety Nosing, Excluding Stringer .....	48.44	3.05
06 53 16 00-0004	LF		2" Thick, 12" Wide, Fiberglass Reinforced Plastic Stair Tread With Safety Nosing, Excluding Stringer .....	71.96	3.36

**06 60 Plastic Fabrications** (06)**06 65 Plastic Trim** (06 60)**06 65 00 00-0001 Plastic Moldings** (06 65)

Note: All dimensions are nominal.

**06 65 00 00-0002 Base, Plastic Moldings** (06 65 00 00-0001)

06 65 00 00-0003	LF		3-1/2" High, Base, Plastic Molding.....	8.02	2.22
06 65 00 00-0004	LF		4-1/2" High, Base, Plastic Molding.....	9.68	2.78
06 65 00 00-0005	LF		3/4" x 1", Base Shoe, Plastic Molding .....	7.07	2.34

**06 65 00 00-0006 Cornice, Plastic Moldings** (06 65 00 00-0001)

06 65 00 00-0007	LF		1" x 2" Cornice, Plastic Molding .....	7.11	2.22
06 65 00 00-0008	LF		1" x 4" Cornice, Plastic Molding .....	9.45	2.34
06 65 00 00-0009	LF		1" x 6" Cornice, Plastic Molding .....	14.04	2.45
06 65 00 00-0010	LF		1" x 8" Cornice, Plastic Molding .....	16.48	2.56
06 65 00 00-0011	LF		1" x 10" Cornice, Plastic Molding .....	19.33	2.67
06 65 00 00-0012	LF		1" x 12" Cornice, Plastic Molding .....	25.54	2.78

**06 65 00 00-0013 Crown Or Bed, Plastic Moldings** (06 65 00 00-0001)

06 65 00 00-0014	LF		9/16" x 1-5/8" Crown Or Bed, Plastic Molding.....	15.18	2.22
06 65 00 00-0015	LF		9/16" x 2-1/4" Crown Or Bed, Plastic Molding.....	20.59	2.78
06 65 00 00-0016	LF		9/16" x 3-1/2" Crown Or Bed, Plastic Molding.....	21.63	2.78
06 65 00 00-0017	LF		9/16" x 3-5/8" Crown Or Bed, Plastic Molding.....	22.66	2.78
06 65 00 00-0018	LF		5/8" x 4-1/4" Crown Or Bed, Plastic Molding.....	29.96	3.33
06 65 00 00-0019	LF		11/16" x 4-5/8" Crown Or Bed, Plastic Molding.....	36.36	3.33

**06 65 00 00-0020 Dentil, Plastic Moldings** (06 65 00 00-0001)

06 65 00 00-0021	LF		11/16" x 1-3/8" Dentil, Plastic Molding .....	12.44	2.22
06 65 00 00-0022	LF		5/8" x 2-1/2" Dentil, Plastic Molding .....	14.40	2.22
06 65 00 00-0023	LF		1-3/8" x 3-3/8" Dentil, Plastic Molding .....	18.81	2.22
06 65 00 00-0024	LF		1-1/2" x 4-1/2" Dentil, Plastic Molding .....	26.42	2.22

**06 65 00 00-0025 Cove, Plastic Moldings** (06 65 00 00-0001)

06 65 00 00-0026	LF		3/8" x 3/8" Cove, Plastic Molding .....	4.33	1.22
06 65 00 00-0027	LF		1/2" x 1/2" Cove, Plastic Molding .....	4.85	1.22
06 65 00 00-0028	LF		5/8" x 5/8" Cove, Plastic Molding .....	6.57	1.44
06 65 00 00-0029	LF		3/4" x 3/4" Cove, Plastic Molding .....	6.57	1.44
06 65 00 00-0030	LF		15/16" x 15/16" Cove, Plastic Molding .....	8.86	1.44
06 65 00 00-0031	LF		9/16" x 1-3/4" Cove, Plastic Molding .....	11.79	1.66
06 65 00 00-0032	LF		11/16" x 2-3/4" Cove, Plastic Molding .....	16.63	1.66

**06 65 00 00-0033 Chair Rail, Plastic Moldings** (06 65 00 00-0001)

06 65 00 00-0034	LF		1/2" x 1-5/8" Chair Rail, Plastic Molding.....	7.63	1.66
06 65 00 00-0035	LF		5/8" x 2-1/2" Chair Rail, Plastic Molding.....	10.31	2.22
06 65 00 00-0036	LF		5/8" x 3-1/2" Chair Rail, Plastic Molding.....	13.29	2.22

**06 65 00 00-0037 Door, Plastic Moldings** (06 65 00 00-0001)

06 65 00 00-0038	LF		1-1/8" Wide, Door, Plastic Molding .....	5.79	1.99
06 65 00 00-0039	LF		1-1/8" Wide, Detailed Door, Plastic Molding .....	5.86	1.99

**06 65 00 00-0040 Trim, Plastic Moldings** (06 65 00 00-0001)

06 65 00 00-0041	LF		1/2" x 1/2" Quarter Round Trim, Plastic Molding.....	5.74	2.34
06 65 00 00-0042	LF		3/4" x 3/4" Quarter Round Trim, Plastic Molding.....	6.82	2.34
06 65 00 00-0043	LF		1-1/4" x 2" Brick Mould, Plastic Molding.....	7.78	2.22
06 65 00 00-0044	LF		1-17/32" x 1-1/2" x 1-3/8" Sill Nose, Plastic Molding.....	9.35	2.22
06 65 00 00-0045	LF		11/16" x 1-5/8" Drip Cap, Plastic Molding .....	6.26	2.22



**06 Wood, Plastics, and Composites****06 70 Structural Composites****06 74 Composite Gratings**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

<b>06 74 13 00-0049</b>	<b>ELS Extremely Low Smoke Resin</b> <small>(06 74 13 00-0001)</small>		
06 74 13 00-0050	SF 1" Molded Fiberglass Grate, 1" x 4" Mesh, ELS Extremely Low Smoke Resin, Meniscus Top.....	45.52	1.83
06 74 13 00-0051	SF 1" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremely Low Smoke Resin, Meniscus Top.....	44.14	1.83
06 74 13 00-0052	SF 1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremely Low Smoke Resin, Meniscus Top.....	57.38	1.83
06 74 13 00-0053	SF 2" Molded Fiberglass Grating, 2" x 2" Mesh, ELS Extremely Low Smoke Resin, Meniscus Top.....	61.52	2.34
06 74 13 00-0054	SF 1" Molded Fiberglass Grating, 1" x 4" Mesh, ELS Extremely Low Smoke Resin, Applied Grit Top.....	47.31	1.83
06 74 13 00-0055	SF 1" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremely Low Smoke Resin, Applied Grit Top.....	46.18	1.83
06 74 13 00-0056	SF 1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremely Low Smoke Resin, Applied Grit Top.....	59.58	1.83
06 74 13 00-0057	SF 2" Molded Fiberglass Grating, 2" x 2" Mesh, ELS Extremely Low Smoke Resin, Applied Grit Top.....	63.76	2.34
06 74 13 00-0058	SF 1/4" ELS Extremely Low Smoke Resin, Fiberplate Covering.....	46.87	1.46
06 74 13 00-0059	SF 1/2 ELS Extremely Low Smoke Resin, Fiberplate Covering.....	84.44	1.61

**06 74 13 00-0060 Pultruded Fiberglass Grating** (06 74 13)**06 74 13 00-0061 ISOFR Isophthalic Polyester Resin System** (06 74 13 00-0060)

Note: For moderately corrosive environments, green.

**06 74 13 00-0062 1" ISOFR Isophthalic Polyester Resin System** (06 74 13 00-0061)

06 74 13 00-0063	SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin.....	32.39	2.34
06 74 13 00-0064	SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin.....	28.76	1.83
06 74 13 00-0065	SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin.....	36.62	2.34
06 74 13 00-0066	SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin.....	33.87	1.83
06 74 13 00-0067	SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 38% Open, ISOFR Isophthalic Polyester Resin.....	25.29	2.34
06 74 13 00-0068	SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 38% Open, ISOFR Isophthalic Polyester Resin.....	22.41	1.83
06 74 13 00-0069	SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin.....	28.96	2.34
06 74 13 00-0070	SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin.....	26.15	1.83

**06 74 13 00-0071 1-1/2" ISOFR Isophthalic Polyester Resin System** (06 74 13 00-0061)

06 74 13 00-0072	SF 1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin.....	36.58	2.34
06 74 13 00-0073	SF 1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin.....	33.04	1.83
06 74 13 00-0074	SF 1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin.....	41.10	2.34
06 74 13 00-0075	SF 1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin.....	38.57	1.83
06 74 13 00-0076	SF 1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin.....	32.17	2.34
06 74 13 00-0077	SF 1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin.....	29.36	1.83

**06 74 13 00-0078 2" ISOFR Isophthalic Polyester Resin System** (06 74 13 00-0061)

06 74 13 00-0079	SF 2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin.....	31.78	2.34
06 74 13 00-0080	SF 2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin.....	35.16	2.34
06 74 13 00-0081	SF 2" Pultruded Fiberglass Grate, 6" Bar Space, 33% Open, ISOFR Isophthalic Polyester Resin.....	42.48	2.34
06 74 13 00-0082	SF 2" Pultruded Fiberglass Grate, 12" Bar Space, 33% Open, ISOFR Isophthalic Polyester Resin.....	40.09	2.34

**06 74 13 00-0083 VEF Vinyl Ester Resin System** (06 74 13 00-0060)**06 74 13 00-0084 1" VEF Vinyl Ester Resin System** (06 74 13 00-0083)

06 74 13 00-0085	SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VEF Vinyl Ester Resin.....	34.30	1.83
06 74 13 00-0086	SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VEF Vinyl Ester Resin.....	30.68	1.83
06 74 13 00-0087	SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, VEF Vinyl Ester Resin.....	38.57	1.83
06 74 13 00-0088	SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, VEF Vinyl Ester Resin.....	44.27	1.83
06 74 13 00-0089	SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 38% Open, VEF Vinyl Ester Resin.....	26.34	1.83
06 74 13 00-0090	SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 38% Open, VEF Vinyl Ester Resin.....	23.54	1.83
06 74 13 00-0091	SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, VEF Vinyl Ester Resin.....	30.23	1.83
06 74 13 00-0092	SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, VEF Vinyl Ester Resin.....	27.74	1.83

**06 74 13 00-0093 1-1/2" VEF Vinyl Ester Resin System** (06 74 13 00-0083)

06 74 13 00-0094	SF 1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VEF Vinyl Ester Resin.....	37.65	1.83
06 74 13 00-0095	SF 1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VEF Vinyl Ester Resin.....	34.07	1.83
06 74 13 00-0096	SF 1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, VEF Vinyl Ester Resin.....	43.04	1.83
06 74 13 00-0097	SF 1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, VEF Vinyl Ester Resin.....	40.19	1.83
06 74 13 00-0098	SF 1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, VEF Vinyl Ester Resin.....	33.84	1.83
06 74 13 00-0099	SF 1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, VEF Vinyl Ester Resin.....	31.18	1.83

**06 74 13 00-0100 2" VEF Vinyl Ester Resin System** (06 74 13 00-0083)

06 74 13 00-0101	SF 2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VEF Vinyl Ester Resin.....	33.39	2.34
06 74 13 00-0102	SF 2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VEF Vinyl Ester Resin.....	30.79	2.34
06 74 13 00-0103	SF 2" Pultruded Fiberglass Grate, 6" Bar Space, 33% Open, VEF Vinyl Ester Resin.....	44.73	2.34
06 74 13 00-0104	SF 2" Pultruded Fiberglass Grate, 12" Bar Space, 33% Open, VEF Vinyl Ester Resin.....	43.44	2.34

**06 80 Composite Fabrications** (06)**06 82 Composite Trim** (06 80)**06 82 00 00-0001 Fiberglass Castings** (06 82)**06 82 00 00-0002 Fiberglass Angle, Equal Legs** (06 82 00 00-0001)

06 82 00 00-0003	LF 1" x 1" x 1/8" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin.....	8.62	3.05
06 82 00 00-0004	LF 1" x 1" x 1/8" Thick Fiberglass Angle, VEF Vinyl Ester Resin.....	9.02	3.05



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 82 00 00-0005	LF		3" x 3" x 1/4" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin .....	15.91	3.66
06 82 00 00-0006	LF		3" x 3" x 1/4" Thick Fiberglass Angle, VERF Vinyl Ester Resin.....	17.53	3.66
06 82 00 00-0007	LF		4" x 4" x 1/4" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin .....	17.63	3.66
06 82 00 00-0008	LF		4" x 4" x 1/4" Thick Fiberglass Angle, VERF Vinyl Ester Resin.....	18.80	3.66
06 82 00 00-0009	LF		4" x 4" x 3/8" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin .....	20.38	3.66
06 82 00 00-0010	LF		4" x 4" x 3/8" Thick Fiberglass Angle, VERF Vinyl Ester Resin.....	22.88	3.66
06 82 00 00-0011	LF		6" x 6" x 1/2" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin .....	54.36	4.58
06 82 00 00-0012	LF		6" x 6" x 1/2" Thick Fiberglass Angle, VERF Vinyl Ester Resin.....	62.46	4.58
<b>06 82 00 00-0013</b>			<b>Fiberglass Channels (06 82 00 00-0001)</b>		
06 82 00 00-0014	LF		3" x 1" x 1/4" Fiberglass Channel, ISOFR Isophthalic Polyester Resin.....	9.98	4.58
06 82 00 00-0015	LF		3" x 1" x 1/4" Fiberglass Channel, VERF Vinyl Ester Resin.....	10.38	4.58
06 82 00 00-0016	LF		4" x 1 1/8" x 1/4" Fiberglass Channel, ISOFR Isophthalic Polyester Resin.....	20.47	5.18
06 82 00 00-0017	LF		4" x 1 1/8" x 1/4" Fiberglass Channel, VERF Vinyl Ester Resin.....	20.47	5.18
06 82 00 00-0018	LF		6" x 1 11/16" x 3/8" Fiberglass Channel, ISOFR Isophthalic Polyester Resin.....	31.83	5.18
06 82 00 00-0019	LF		6" x 1 11/16" x 3/8" Fiberglass Channel, VERF Vinyl Ester Resin.....	36.94	5.18
06 82 00 00-0020	LF		8" x 2 3/16" x 3/8" Fiberglass Channel, ISOFR Isophthalic Polyester Resin.....	29.92	5.18
06 82 00 00-0021	LF		8" x 2 3/16" x 3/8" Fiberglass Channel, VERF Vinyl Ester Resin.....	36.23	5.18
06 82 00 00-0022	LF		10" x 2-3/4" x 1/2" Fiberglass Channel, ISOFR Isophthalic Polyester Resin .....	45.60	7.12
06 82 00 00-0023	LF		10" x 2-3/4" x 1/2" Fiberglass Channel, VERF Vinyl Ester Resin.....	52.19	7.12
<b>06 82 00 00-0024</b>			<b>Fiberglass Wide Flange Beams (06 82 00 00-0001)</b>		
06 82 00 00-0025	LF		4" x 4" x 1/4" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin.....	28.04	6.10
06 82 00 00-0026	LF		4" x 4" x 1/4" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin.....	30.59	6.10
06 82 00 00-0027	LF		6" x 6" x 1/4" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin.....	35.82	7.32
06 82 00 00-0028	LF		6" x 6" x 1/4" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin.....	37.04	7.32
06 82 00 00-0029	LF		8" x 8" x 3/8" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin.....	57.47	9.15
06 82 00 00-0030	LF		8" x 8" x 3/8" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin.....	71.86	9.15
06 82 00 00-0031	LF		10" x 10" x 1/2" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin .....	126.61	11.19
06 82 00 00-0032	LF		10" x 10" x 1/2" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin.....	142.34	11.19
<b>06 82 00 00-0033</b>			<b>Fiberglass Flat Sheet (06 82 00 00-0001)</b>		
			Note: Not to be used for bathroom board.		
06 82 00 00-0034	SF		1/8" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin .....	23.19	5.18
06 82 00 00-0035	SF		1/8" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin .....	24.20	5.18
06 82 00 00-0036	SF		1/4" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin .....	36.21	6.10
06 82 00 00-0037	SF		1/4" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin .....	41.55	6.10
06 82 00 00-0038	SF		3/8" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin .....	49.02	7.32
06 82 00 00-0039	SF		3/8" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin .....	57.04	7.32
06 82 00 00-0040	SF		1/2" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin .....	66.01	9.15
06 82 00 00-0041	SF		1/2" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin .....	78.29	9.15
<b>06 82 00 00-0042</b>			<b>Fiberglass Bars (06 82 00 00-0001)</b>		
<b>06 82 00 00-0043</b>			<b>Square Bars (06 82 00 00-0042)</b>		
06 82 00 00-0044	LF		1" Square Fiberglass Solid Square Bar, ISO Isophthalic Polyester Resin .....	13.86	3.66
06 82 00 00-0045	LF		1-1/4" Square Fiberglass Solid Square Bar, ISO Isophthalic Polyester Resin .....	19.75	5.39
06 82 00 00-0046	LF		1-1/2" Square Fiberglass Solid Square Bar, ISOFR Isophthalic Polyester Resin .....	23.13	7.12
<b>06 82 00 00-0047</b>			<b>Round Bars (06 82 00 00-0042)</b>		
06 82 00 00-0048	LF		1/4" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin .....	8.98	3.05
06 82 00 00-0049	LF		1" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin .....	19.05	4.58
06 82 00 00-0050	LF		1" Diameter Fiberglass Solid Round Bar, VERF Vinyl Ester Resin.....	21.49	4.58
06 82 00 00-0051	LF		1-1/4" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin .....	28.31	4.58
06 82 00 00-0052	LF		1-1/2" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin .....	33.80	5.18
<b>06 82 00 00-0053</b>			<b>Fiberglass Tubes (06 82 00 00-0001)</b>		
<b>06 82 00 00-0054</b>			<b>Square Tube (06 82 00 00-0053)</b>		
06 82 00 00-0055	LF		1" x 1" x 1/8" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin.....	10.08	3.05
06 82 00 00-0056	LF		1" x 1" x 1/8" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin.....	10.87	3.05
06 82 00 00-0057	LF		2" x 2" x 1/8" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin.....	14.82	3.66
06 82 00 00-0058	LF		2" x 2" x 1/8" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin.....	16.21	3.66
06 82 00 00-0059	LF		3" x 3" x 1/4" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin.....	28.00	4.58
06 82 00 00-0060	LF		3" x 3" x 1/4" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin.....	31.21	4.58
06 82 00 00-0061	LF		4" x 4" x 1/4" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin.....	32.96	5.49
06 82 00 00-0062	LF		4" x 4" x 1/4" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin.....	41.90	5.49
<b>06 82 00 00-0063</b>			<b>Round Tube (06 82 00 00-0053)</b>		
06 82 00 00-0064	LF		1" Diameter x 1/8" Thick Fiberglass Round Tube, ISOFR Isophthalic Polyester Resin .....	9.66	3.05
06 82 00 00-0065	LF		1" Diameter x 1/8" Thick Fiberglass Round Tube, VERF Vinyl Ester Resin.....	10.02	3.05
06 82 00 00-0066	LF		2" Diameter x 1/4" Thick Fiberglass Round Tube, ISOFR Isophthalic Polyester Resin .....	17.91	3.66
06 82 00 00-0067	LF		2" Diameter x 1/4" Thick Fiberglass Round Tube, VERF Vinyl Ester Resin.....	19.09	3.66
<b>06 82 00 00-0068</b>			<b>Fiberglass Threaded Rods (06 82 00 00-0001)</b>		
06 82 00 00-0069	LF		3/8" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin.....	12.86	2.34

**06 Wood, Plastics, and Composites****06 80 Composite Fabrications****06 82 Composite Trim**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

06 82 00 00-0070	LF	1/2" Diameter Fiberglass Threaded Rod, VEFV Vinyl Ester Resin.....	13.68	2.34
06 82 00 00-0071	LF	5/8" Diameter Fiberglass Threaded Rod, VEFV Vinyl Ester Resin.....	15.69	2.64
06 82 00 00-0072	LF	3/4" Diameter Fiberglass Threaded Rod, VEFV Vinyl Ester Resin.....	17.27	2.64
06 82 00 00-0073	LF	1" Diameter Fiberglass Threaded Rod, VEFV Vinyl Ester Resin.....	19.06	2.64

**06 82 00 00-0074 Grating Support Legs, VEFV Resin (06 82 00 00-0001)**

06 82 00 00-0075	EA	Grating Support Legs, Fixed Height With Base Miscellaneous Fiberglass Castings .....	24.18	
06 82 00 00-0076	EA	Grate Support Legs Fixed Height Without Base Miscellaneous Fiberglass Castings .....	10.36	
06 82 00 00-0077	EA	Grating Support Legs, Adjustable To 60" Miscellaneous Fiberglass Castings.....	38.97	

**06 82 00 00-0078 Fiberglass Netting (06 82 00 00-0001)**

06 82 00 00-0079	SF	1/2" x 1/2" Mesh, Clear Flexible Fiberglass Netting .....	0.68	0.32
06 82 00 00-0080	SF	1/2" x 2" Mesh, Clear Flexible Fiberglass Netting .....	0.68	0.32
06 82 00 00-0081	SF	3/4" x 5/8" Mesh, Clear Flexible Fiberglass Netting .....	0.68	0.32
06 82 00 00-0082	SF	7/8" x 7/8" Mesh, Clear Flexible Fiberglass Netting .....	0.68	0.32
06 82 00 00-0083	SF	1" x 1" Mesh, Clear Flexible Fiberglass Netting .....	0.68	0.32
06 82 00 00-0084	SF	1/2" x 1/2" Mesh, Green Flexible Fiberglass Netting.....	0.66	0.32
06 82 00 00-0085	SF	1/2" x 2" Mesh, Green Flexible Fiberglass Netting.....	0.66	0.32
06 82 00 00-0086	SF	3/4" x 5/8" Mesh, Green Flexible Fiberglass Netting.....	0.66	0.32
06 82 00 00-0087	SF	7/8" x 7/8" Mesh, Green Flexible Fiberglass Netting.....	0.66	0.32
06 82 00 00-0088	SF	1" x 1" Mesh, Green Flexible Fiberglass Netting.....	0.66	0.32

**06 82 00 00-0089 Fiberglass Stair Treads (06 82)****06 82 00 00-0090 Fiberglass Stair Treads (06 82 00 00-0089)****06 82 00 00-0091 10-1/2" Deep Isophthalic Resin System (06 82 00 00-0090)**

06 82 00 00-0092	EA	1" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System .....	87.05	15.97
06 82 00 00-0093	EA	1" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System .....	100.87	15.97
06 82 00 00-0094	EA	1" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System .....	114.69	15.97
06 82 00 00-0095	EA	1" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System .....	128.50	15.97
06 82 00 00-0096	EA	1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System .....	95.34	15.97
06 82 00 00-0097	EA	1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System .....	111.23	15.97
06 82 00 00-0098	EA	1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System .....	127.12	15.97
06 82 00 00-0099	EA	1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System .....	143.01	15.97
06 82 00 00-0100	EA	2" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System .....	108.05	15.97
06 82 00 00-0101	EA	2" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System .....	127.12	15.97
06 82 00 00-0102	EA	2" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System .....	146.19	15.97
06 82 00 00-0103	EA	2" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System .....	165.26	15.97

**06 82 00 00-0104 12" Deep Isophthalic Resin System (06 82 00 00-0090)**

06 82 00 00-0105	EA	1" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System .....	94.95	15.97
06 82 00 00-0106	EA	1" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System .....	110.74	15.97
06 82 00 00-0107	EA	1" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System .....	126.54	15.97
06 82 00 00-0108	EA	1" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System .....	142.33	15.97
06 82 00 00-0109	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System .....	104.42	15.97
06 82 00 00-0110	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System .....	122.58	15.97
06 82 00 00-0111	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System .....	140.75	15.97
06 82 00 00-0112	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System .....	158.91	15.97
06 82 00 00-0113	EA	2" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System .....	118.95	15.97
06 82 00 00-0114	EA	2" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System .....	140.75	15.97
06 82 00 00-0115	EA	2" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System .....	162.54	15.97
06 82 00 00-0116	EA	2" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System .....	184.34	15.97

**06 82 00 00-0117 Other Fiberglass (06 82)****06 82 00 00-0118 Fiberglass Splash Blocks (06 82 00 00-0117)**

06 82 00 00-0119	EA	Standard Size Fiberglass Splash Block .....	15.51	3.17
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**06 83 Composite Paneling (06 80)****06 83 16 Fiberglass Reinforced Paneling (06 83)****06 83 16 00-0001 Fiberglass Reinforced Polyester (FRP) Panels (06 83 16)**

Note: Includes adhesive and trim.

06 83 16 00-0002	SF	Fiberglass Reinforced Polyester (FRP) Paneling.....	4.59	1.59
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Note: Including Adhesive And Trim

**END OF SECTION 06**

## 07 Thermal And Moisture Protection

### 07 01 Operation and Maintenance of Thermal and Moisture Protection <sup>(07)</sup>

#### 07 01 50 Maintenance of Membrane Roofing <sup>(07 01)</sup>

##### 07 01 50 19 Preparation for Re-Roofing <sup>(07 01 50)</sup>

##### 07 01 50 19-0001 Preparation For Re-Roofing <sup>(07 01 50 19)</sup>

07 01 50 19-0002	SQ	Removal Of Pea Gravel Ballast From Roof, Vacuum And Disposal .....	29.48
07 01 50 19-0003	SQ	Removal Of Gravel Ballast From Roof, Vacuum And Disposal.....	52.03

##### 07 01 50 81 Roof Replacement <sup>(07 01 50)</sup>

##### 07 01 50 81-0001 Roof Repair <sup>(07 01 50 81)</sup>

Note: Less than 100 SF areas. Excludes mobilization of crew for small quantity of roof work. See CSI section 07 05 13 00-0001 for mobilization of crew for small quantity of roof work.

07 01 50 81-0002	SF	Up To 10 SF Roof Repair, Built-Up Roofing .....	22.51
07 01 50 81-0003	SF	>10 To 25 SF Roof Repair, Built-Up Roofing .....	20.19
07 01 50 81-0004	SF	>25 To 50 SF Roof Repair, Built-Up Roofing .....	18.39
07 01 50 81-0005	SF	>50 To 100 SF Roof Repair, Built-Up Roofing .....	17.10
07 01 50 81-0006	SF	Up To 10 SF Roof Repair, Membrane Roofing .....	25.50
07 01 50 81-0007	SF	>10 To 25 SF Roof Repair, Membrane Roofing .....	23.18
07 01 50 81-0008	SF	>25 To 50 SF Roof Repair, Membrane Roofing .....	21.38
07 01 50 81-0009	SF	>50 To 100 SF Roof Repair, Membrane Roofing .....	20.09
07 01 50 81-0010	SF	Up To 10 SF Roof Repair, Shingle Roofing .....	19.53
07 01 50 81-0011	SF	>10 To 25 SF Roof Repair, Shingle Roofing .....	17.50
07 01 50 81-0012	SF	>25 To 50 SF Roof Repair, Shingle Roofing.....	16.01
07 01 50 81-0013	SF	>50 To 100 SF Roof Repair, Shingle Roofing.....	15.02
07 01 50 81-0014	LF	Heat Weld Roofing Seams For Repair.....	6.93

##### 07 01 50 81-0015 Emergency Roof Patch <sup>(07 01 50 81)</sup>

Note: 4 Hour response time.

07 01 50 81-0016	EA	Granule Emergency Roof Patch Cover 16 SF .....	92.04
07 01 50 81-0017	EA	Mobilize For Emergency Roof Patching.....	429.95

##### 07 01 50 81-0018 Adhesives <sup>(07 01 50 81)</sup>

Note: For repair of seams.

##### 07 01 50 81-0019 Mastic Sealer <sup>(07 01 50 81-0018)</sup>

##### 07 01 50 81-0020 Applied At Joints Only <sup>(07 01 50 81-0019)</sup>

07 01 50 81-0021	LF	Mastic Sealer, 1/4" Bead At Joint.....	4.25
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1.83

##### 07 01 50 91 Roofing Restoration <sup>(07 01 50)</sup>

##### 07 01 50 91-0001 Pressure Wash Membrane Roofing <sup>(07 01 50 91)</sup>

07 01 50 91-0002	SF	Up To 2,500 PSI, Pressure Wash Membrane Roofing .....	0.14
		For Up To 100, Add	0.11
		For >100 To 250, Add	0.05
		For >250 To 500, Add	0.02
		For >5,000 To 10,000, Deduct	-0.01
		For >10,000 To 15,000, Deduct	-0.01
		For >15,000 To 30,000, Deduct	-0.02
		For >30,000, Deduct	-0.03

## 07 05 Common Work Results for Thermal and Moisture Protection

### 07 05 13 Mobilization Of Crew For Small Quantity Of Roof Work <sup>(07 05)</sup>

#### 07 05 13 00-0001 Mobilization Of Crew For Small Quantity Of Roof Work <sup>(07 05 13)</sup>

Note: For use with all roofing tasks where the total quantity of roof work is 4 squares or less.

07 05 13 00-0002	EA	Up To 1 SQ, Mobilization Of Crew For Small Quantity Of Roof Work.....	1,293.98
07 05 13 00-0003	EA	>1 To 2 SQ, Mobilization Of Crew For Small Quantity Of Roof Work .....	968.16
07 05 13 00-0004	EA	>2 To 3 SQ, Mobilization Of Crew For Small Quantity Of Roof Work .....	646.99
07 05 13 00-0005	EA	>3 To 4 SQ, Mobilization Of Crew For Small Quantity Of Roof Work .....	322.72

## 07 10 Dampproofing and Waterproofing <sup>(07)</sup>

Note: The following tasks are for application to vertical (walls and foundations) surfaces. For horizontal (flat) surfaces apply the appropriate modifier to reduce the labor cost (where listed). Waterproofing is the treatment of a surface or structure to PREVENT the passage of water under hydrostatic pressure. Dampproofing is the treatment of a surface or structure to RESIST the passage of water in the absence of hydrostatic pressure.

### 07 11 Dampproofing <sup>(07 10)</sup>

**07 Thermal And Moisture Protection****07 10 Dampproofing and Waterproofing****07 11 Dampproofing**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST
**07 11 13 Bituminous Dampproofing (07 11)**

07 11 13 00-0001	Fibrous Asphalt Dampproofing, Brush, Roller Or Spray (07 11 13)		
07 11 13 00-0002	CSF 1 Coat, Fibrous Asphalt Dampproofing, Brush, Roller Or Spray .....	158.85	
07 11 13 00-0003	CSF 2 Coats, Fibrous Asphalt Dampproofing, Brush, Roller Or Spray .....	244.98	
07 11 13 00-0004	Fibrous Asphalt Dampproofing, Troweled On (07 11 13)		
07 11 13 00-0005	CSF Primer And 1 Coat, Fibrous Asphalt Dampproofing, Troweled On.....	272.67	
07 11 13 00-0006	CSF Primer And 2 Coats, Fibrous Asphalt Dampproofing, Troweled On.....	422.34	
07 11 13 00-0007	Asphaltic Paint Dampproofing (07 11 13)		
07 11 13 00-0008	CSF 1 Coat, Asphaltic Paint Dampproofing, Brushed On.....	127.84	
07 11 13 00-0009	CSF 2 Coats, Asphaltic Paint Dampproofing, Brushed On .....	236.30	

**07 11 19 Sheet Dampproofing (07 11)**

07 11 19 00-0001	Neoprene (07 11 19)		
07 11 19 00-0002	SF 1/16" Patch Neoprene Roof (5 To 20 SF) .....	34.30	

**07 13 Sheet Waterproofing (07 10)****07 13 13 Bituminous Sheet Waterproofing (07 13)**

07 13 13 00-0001	15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped (07 13 13)		
07 13 13 00-0002	CSF 1 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped .....	300.56	105.01
	<i>For 30 LB Felt, Add</i>	67.92	
	<i>For Application To Horizontal Surfaces, Deduct</i>	-31.50	
07 13 13 00-0003	CSF 2 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped .....	378.76	118.13
	<i>For 30 LB Felt, Add</i>	106.88	
	<i>For Application To Horizontal Surfaces, Deduct</i>	-35.44	
07 13 13 00-0004	CSF 3 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped .....	456.95	131.25
	<i>For 30 LB Felt, Add</i>	145.83	
	<i>For Application To Horizontal Surfaces, Deduct</i>	-39.38	
07 13 13 00-0005	CSF 4 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped .....	535.14	144.38
	<i>For 30 LB Felt, Add</i>	184.79	
	<i>For Application To Horizontal Surfaces, Deduct</i>	-43.31	
07 13 13 00-0006	CSF 5 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped .....	613.34	157.50
	<i>For 30 LB Felt, Add</i>	223.75	
	<i>For Application To Horizontal Surfaces, Deduct</i>	-47.25	

**07 13 13 00-0007 Asphalt Coated Protective Board (07 13 13)**

07 13 13 00-0008	CSF 1/8" Asphalt Coated Protective Board.....	258.28	103.68
	<i>For Application To Horizontal Surfaces, Deduct</i>	-34.58	
07 13 13 00-0009	CSF 1/4" Asphalt Coated Protective Board.....	344.25	107.66
	<i>For Application To Horizontal Surfaces, Deduct</i>	-35.89	
07 13 13 00-0010	CSF 3/8" Asphalt Coated Protective Board.....	447.85	112.19
	<i>For Application To Horizontal Surfaces, Deduct</i>	-37.38	
07 13 13 00-0011	CSF 1/2" Asphalt Coated Protective Board.....	500.59	116.71
	<i>For Application To Horizontal Surfaces, Deduct</i>	-38.91	

**07 13 53 Elastomeric Sheet Waterproofing (07 13)**

07 13 53 00-0001	Rubberized Membrane Sheet (07 13 53)		
07 13 53 00-0002	SF 215 Mil Rubberized Asphalt Membrane Sheet, Vertical Surface .....	7.20	1.07
	<i>For Floor Surfaces, Deduct</i>	-1.06	
07 13 53 00-0003	Ethylene Propylene Diene Monomer (EPDM) (07 13 53)		
07 13 53 00-0004	CSF 45 Mil Ethylene Propylene Diene Monomer (EPDM) Membrane .....	387.72	150.72
	<i>For Application To Horizontal Surfaces, Deduct</i>	-45.21	
07 13 53 00-0005	CSF 60 Mil Ethylene Propylene Diene Monomer (EPDM) Membrane .....	427.56	150.72
	<i>For Application To Horizontal Surfaces, Deduct</i>	-45.21	
07 13 53 00-0006	Butyl Sheet Waterproofing (07 13 53)		
07 13 53 00-0007	CSF 1/32" Butyl Sheet Waterproofing.....	100.18	37.68
	<i>For Joint Taping, Add</i>	13.69	
	<i>For Each Additional Ply, Add</i>	73.90	
	<i>For Application To Horizontal Surfaces, Deduct</i>	-5.66	
07 13 53 00-0008	CSF 1/16" Butyl Sheet Waterproofing.....	120.04	37.68
	<i>For Joint Taping, Add</i>	14.69	
	<i>For Each Additional Ply, Add</i>	87.80	
	<i>For Application To Horizontal Surfaces, Deduct</i>	-5.66	
07 13 53 00-0009	Butyl With Nylon (07 13 53)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 13 53 00-0010	CSF		1/32" Butyl Elastomeric Waterproofing With Nylon .....	111.53	37.68
			For Joint Taping, Add	14.26	
			For Each Additional Ply, Add	81.85	
			For Application To Horizontal Surfaces, Deduct	-5.66	
07 13 53 00-0011	CSF		1/16" Butyl Elastomeric Waterproofing With Nylon .....	124.30	37.68
			For Joint Taping, Add	14.90	
			For Each Additional Ply, Add	90.79	
			For Application To Horizontal Surfaces, Deduct	-5.66	
<b>07 13 53 00-0012</b>			<b>Neoprene Sheet Waterproofing (07 13 53)</b>		
07 13 53 00-0013	CSF		1/32" Neoprene Sheet Waterproofing .....	176.86	37.68
			For Joint Taping, Add	17.53	
			For Each Additional Ply, Add	127.58	
			For Application To Horizontal Surfaces, Deduct	-5.66	
07 13 53 00-0014	CSF		1/16" Neoprene Sheet Waterproofing .....	261.40	37.68
			For Joint Taping, Add	21.75	
			For Each Additional Ply, Add	186.76	
			For Application To Horizontal Surfaces, Deduct	-5.66	
<b>07 13 53 00-0015</b>			<b>Neoprene With Nylon (07 13 53)</b>		
07 13 53 00-0016	CSF		1/32" Neoprene Elastomeric Waterproofing With Nylon .....	185.68	37.68
			For Joint Taping, Add	17.97	
			For Each Additional Ply, Add	133.75	
			For Application To Horizontal Surfaces, Deduct	-5.66	
07 13 53 00-0017	CSF		1/16" Neoprene Elastomeric Waterproofing With Nylon .....	275.50	37.68
			For Joint Taping, Add	22.46	
			For Each Additional Ply, Add	196.63	
			For Application To Horizontal Surfaces, Deduct	-5.66	
<b>07 13 53 00-0018</b>			<b>Plastic Vapor Barrier (Polyethylene) (07 13 53)</b>		
07 13 53 00-0019	CSF		4 Mil Polyethylene Vapor Barrier .....	35.87	13.54
			For Joint Taping, Add	8.69	
			For Each Additional Ply, Add	28.11	
			For Application To Horizontal Surfaces, Deduct	-4.50	
07 13 53 00-0020	CSF		6 Mil Polyethylene Vapor Barrier .....	36.71	13.54
			For Joint Taping, Add	8.73	
			For Each Additional Ply, Add	28.69	
			For Application To Horizontal Surfaces, Deduct	-4.50	
07 13 53 00-0021	CSF		10 Mil Polyethylene Vapor Barrier .....	58.37	13.54
			For Joint Taping, Add	9.81	
			For Each Additional Ply, Add	43.86	
			For Application To Horizontal Surfaces, Deduct	-4.50	
07 13 53 00-0022	CSF		60 Mil Polyethylene Vapor Barrier With Bentonite .....	110.93	13.54
			Note: Includes seam tape, liquid mastic, anchors and termination bar.		
			For Each Additional Ply, Add	80.98	
			For Application To Horizontal Surfaces, Deduct	-5.00	
<b>07 13 53 00-0023</b>			<b>Plastic Vapor Barrier (PVC) (07 13 53)</b>		
07 13 53 00-0024	CSF		10 Mil Polyvinyl Chloride (PVC) Vapor Barrier .....	46.38	14.99
			For Joint Taping, Add	9.21	
			For Each Additional Ply, Add	35.46	
			For Application To Horizontal Surfaces, Deduct	-4.50	
07 13 53 00-0025	CSF		20 Mil Polyvinyl Chloride (PVC) Vapor Barrier .....	59.46	15.54
			For Joint Taping, Add	10.13	
			For Each Additional Ply, Add	44.73	
			For Application To Horizontal Surfaces, Deduct	-4.67	
07 13 53 00-0026	CSF		30 Mil Polyvinyl Chloride (PVC) Vapor Barrier .....	76.95	16.09
			For Joint Taping, Add	11.25	
			For Each Additional Ply, Add	57.08	
			For Application To Horizontal Surfaces, Deduct	-4.83	
<b>07 13 53 00-0027</b>			<b>Vinyl Plastic Vapor Barrier (07 13 53)</b>		
07 13 53 00-0028	CSF		4 Mil Vinyl Plastic Vapor Barrier With Fiberglass Insulation At Joints (Tu-Tuf #4) .....	40.52	13.87
<b>07 14 Fluid-Applied Waterproofing (07 10)</b>					
<b>07 14 13 Hot Fluid-Applied Rubberized Asphalt Waterproofing (07 14)</b>					
<b>07 14 13 00-0001 Hot Applied Rubberized Asphalt Waterproofing Coating (07 14 13)</b>					
07 14 13 00-0002	SF		90 Mil Hot Applied Rubberized Asphalt Waterproofing Coating, Vertical Surface .....	2.17	
			Note: Includes primer.		
			For Application To Horizontal Surfaces, Deduct	-0.20	
			For Reinforcing Fabric, Add	0.46	
07 14 13 00-0003	SF		125 Mil Hot Applied Rubberized Asphalt Waterproofing Coating, Vertical Surface .....	2.53	
			Note: Includes primer.		
			For Application To Horizontal Surfaces, Deduct	-0.21	
			For Reinforcing Fabric, Add	0.46	
<b>07 14 16 Cold Fluid-Applied Waterproofing (07 14)</b>					
07 14 16 00-0001			Fluid Applied Rubber Based Polyurethane (07 14 16)		

**07 Thermal And Moisture Protection****07 10 Dampproofing and Waterproofing****07 14 Fluid-Applied Waterproofing**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 14 16 00-0002	SF		60 Mil Thick, Fluid Applied, Rubber Base, Polyurethane Applied In 2 Coats ..... <i>For Application To Horizontal Surfaces, Deduct</i>	3.74 -0.45	
07 14 16 00-0003	SF		90 Mil Thick, Fluid Applied, Rubber Base, Polyurethane Applied In 2 Coats ..... <i>For Application To Horizontal Surfaces, Deduct</i>	4.24 -0.48	
07 14 16 00-0004	SF		120 Mil Thick, Fluid Applied, Rubber Base, Polyurethane Applied In 2 Coats ..... <i>For Application To Horizontal Surfaces, Deduct</i>	4.80 -0.51	
07 14 16 00-0005			<b>One Part Solution Of Chlorosulfonated Polyethylene Polymer</b> (07 14 16)		
07 14 16 00-0006	SF		15 Mil Finish Coat, Chlorosulfonated Polyethylene (CSM) Polymer, 1 Part Solution .....	2.52	
07 14 16 00-0007			<b>Copolymer Compound</b> (07 14 16)		
07 14 16 00-0008	SF		Fluid Elastomeric Copolymer Compound For Slabs 32 Mil .....	4.04	
07 14 16 00-0009			<b>Fluid Applied Neoprene</b> (07 14 16)		
07 14 16 00-0010	CSF		1/8" Fiberglass Reinforced, Fluid Neoprene ..... <i>For Application To Horizontal Surfaces, Deduct</i>	478.45 -54.91	
07 14 16 00-0011	CSF		50 Mil, 4 Coats, Fluid Neoprene..... <i>For Application To Horizontal Surfaces, Deduct</i>	946.85 -107.71	
07 14 16 00-0012	CSF		90 Mil, 4 Coats, Fluid Neoprene..... <i>For Application To Horizontal Surfaces, Deduct</i>	1,534.10 -161.49	
07 14 16 00-0013			<b>Concrete Surface Waterproofing Treatments</b> (07 14 16)		
07 14 16 00-0014	SF		Concrete Waterproofing System (XYPEX)..... Note: Includes a single coat of each XYPEX Concentrate and XYPEX Modified	5.84	
07 14 16 00-0015			<b>Moisture Barrier (Maxxon)</b> (07 14 16)		
07 14 16 00-0016	SF		Moisture Barrier Primer, Brush Application For Cut-ins (Maxxon MVP 13030)..... Note: Includes primer coat for moisture mitigation epoxy flooring. Excludes preparation of flooring	3.22	
07 14 16 00-0017	SF		Moisture Barrier Primer, Roller Application (Maxxon MVP 13030)..... Note: Includes primer coat for moisture mitigation epoxy flooring. Excludes preparation of flooring	2.74	
07 14 16 00-0018	SF		Two Part Epoxy Moisture Barrier, Brush Application For Cut-ins, First Coat (Maxxon MVP 13035)..... Note: Includes product mixing and application. Excludes preparation of flooring	1.40	
07 14 16 00-0019	SF		Two Part Epoxy Moisture Barrier, Roller Application For First Coat (Maxxon MVP 13035)..... Note: Includes product mixing and application. Excludes preparation of flooring	0.92	
07 14 16 00-0020	SF		Two Part Epoxy Moisture Barrier, Brush Application For Cut-ins, Second Coat (Maxxon MVP 13035)..... Note: Includes product mixing and application. Excludes preparation of flooring	1.84	
07 14 16 00-0021	SF		Two Part Epoxy Moisture Barrier, Roller Application For Second Coat (Maxxon MVP 13035)..... Note: Includes product mixing and application. Excludes preparation of flooring	1.36	
07 16			<b>Cementitious and Reactive Waterproofing</b> (07 10)		
07 16 13			<b>Polymer Modified Cement Waterproofing</b> (07 16)		
07 16 13 00-0001	SF		Polymer Modified Cementitious Waterproofing Assembly, 2 Coats..... Note: As manufactured by Thoro Consumer Products. Includes Thoroseal, Acryl 60, acrylic waterproof coating and white pigmented acrylic copolymer primer.	4.35	
07 16 16			<b>Crystalline Waterproofing</b> (07 16)		
07 16 16 00-0001	SF		Crystalline Cementitious Waterproofing. 2 Coats (Xypex Concentrate).....	5.49	
07 16 19			<b>Metal Oxide Waterproofing</b> (07 16)		
07 16 19 00-0001			<b>Metallic Oxide Waterproofing</b> (07 16 19) Note: Includes one broom applied bond coat and three brush applied waterproof coats. Excludes concrete repairs to subbase and final protective concrete surface coat. See CSI section 03 54 16 00-0001 for self leveling underlayment for concrete floors, 09 24 33 00-0001 for cement parging.		
07 16 19 00-0002	CSF		Catalyzed Metallic Waterproofing Treatment, Metal Oxide Waterproofing (Euclid Iron Waterpeller)..... <i>For Application To Horizontal Surfaces, Deduct</i>	455.57 -58.22	
07 17			<b>Bentonite Waterproofing</b> (07 10)		
07 17 13			<b>Bentonite Panel Waterproofing</b> (07 17)		
07 17 13 00-0001	CSF		3/16" Bentonite Waterproofing Panels ..... <i>For Application To Horizontal Surfaces, Deduct</i>	433.29 -37.12	123.71
07 17 13 00-0002	CSF		1/4" Bentonite Waterproofing Panels ..... <i>For Application To Horizontal Surfaces, Deduct</i>	397.68 -40.17	130.70
07 17 13 00-0003	CSF		5/8" Bentonite Waterproofing Panels ..... <i>For Application To Horizontal Surfaces, Deduct</i>	543.92 -40.88	136.30
07 17 13 00-0004	CSF		3/8" Granular Bentonite, Troweled..... <i>For Application To Horizontal Surfaces, Deduct</i>	439.00 -33.99	113.36
07 19			<b>Water Repellents</b> (07 10)		
07 19 13			<b>Acrylic Sealer</b> (07 19) Note: Per coat.		
07 19 13 00-0001	SF		Spray On Concrete, Acrylic Sealer .....	2.34	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 19 13 00-0002	SF		Spray On Concrete Block/Brick, Acrylic Sealer.....	2.79	
07 19 13 00-0003	SF		Spray On Stone, Acrylic Sealer .....	3.07	

**07 19 16 Silane Water Repellents (07 19)**

**07 19 16 00-0001 Silane Concrete Sealer (07 19 16)**

07 19 16 00-0002	SF		Spray On Concrete, Water Based, Silane Penetrating Water Repellent Sealer (Specchem SpecSilane 40 WB) .....	0.62	
07 19 16 00-0003	SF		Spray On Concrete Block/Brick, Water Based, Silane Penetrating Water Repellent Sealer (Specchem SpecSilane 40 WB) .....	0.92	

**07 19 16 00-0004 Silane/Siloxane Concrete Sealer (07 19 16)**

07 19 16 00-0005	SF		Spray On Concrete, Solvent Based, Silane/Siloxane Concrete Penetrating Water Repellent Sealer (Anti-Hydro Aridox 40) .....	1.08	
Note: 40% silane, alcohol based.					
07 19 16 00-0006	SF		Spray On Concrete Block/Brick, Solvent Based, Silane/Siloxane Penetrating Water Repellent Sealer (Anti-Hydro Aridox 40) .....	1.58	
Note: 40% silane, alcohol based.					
07 19 16 00-0007	SF		Spray On Concrete, Water-Based, Silane/Siloxane Penetrating Water Repellent Sealer (Prosoco Saltguard WB).....	0.42	
Note: 200 SF/GAL					
07 19 16 00-0008	SF		Spray On Concrete Block/Masonry, Water-Based, Silane/Siloxane Penetrating Water Repellent Sealer (Prosoco Saltguard WB) .....	0.62	

**07 20 Thermal Protection (07)**

**07 21 Thermal Insulation (07 20)**

**07 21 13 Board Insulation (07 21)**

Note: Types are stock sizes, mastic applied.

**07 21 13 13 Foam Board Insulation (07 21 13)**

**07 21 13 13-0001 Cold Adhesive Applied Foam Board Insulation (07 21 13 13)**

**07 21 13 13-0002 Cold Adhesive Applied, Foam Glass (Cellular Glass), Foam Board Insulation (07 21 13 13-0001)**

07 21 13 13-0003	SF		1" Thick, R3.44, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied .....	2.73	0.38
For Horizontal Surface Application, Deduct				-0.06	
For Vapor Barrier, Integral With Insulation, Add				0.05	
07 21 13 13-0004	SF		1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied .....	3.64	0.39
For Horizontal Surface Application, Deduct				-0.06	
For Vapor Barrier, Integral With Insulation, Add				0.05	
07 21 13 13-0005	SF		2" Thick, R6.88, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied .....	4.26	0.39
For Horizontal Surface Application, Deduct				-0.07	
For Vapor Barrier, Integral With Insulation, Add				0.05	
07 21 13 13-0006	SF		2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied .....	5.49	0.40
For Horizontal Surface Application, Deduct				-0.07	
For Vapor Barrier, Integral With Insulation, Add				0.05	

**07 21 13 13-0007 Cold Adhesive Applied, Expanded Polystyrene, Foam Board Insulation (07 21 13 13-0001)**

07 21 13 13-0008	SF		3/8" Thick, R1.44, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	1.56	0.38
For Horizontal Surface Application, Deduct				-0.06	
For Vapor Barrier, Integral With Insulation, Add				0.05	
07 21 13 13-0009	SF		1/2" Thick, R1.93, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	1.48	0.38
For Horizontal Surface Application, Deduct				-0.06	
For Vapor Barrier, Integral With Insulation, Add				0.05	
07 21 13 13-0010	SF		3/4" Thick, R2.89, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	1.63	0.38
For Horizontal Surface Application, Deduct				-0.06	
For Vapor Barrier, Integral With Insulation, Add				0.05	
07 21 13 13-0011	SF		1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	1.79	0.38
For Horizontal Surface Application, Deduct				-0.06	
For Vapor Barrier, Integral With Insulation, Add				0.05	
07 21 13 13-0012	SF		2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	2.38	0.39
For Horizontal Surface Application, Deduct				-0.07	
For Vapor Barrier, Integral With Insulation, Add				0.05	
07 21 13 13-0013	SF		3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	2.98	0.40
For Horizontal Surface Application, Deduct				-0.07	
For Vapor Barrier, Integral With Insulation, Add				0.05	
07 21 13 13-0014	SF		4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	3.58	0.41
For Horizontal Surface Application, Deduct				-0.07	
For Vapor Barrier, Integral With Insulation, Add				0.05	
07 21 13 13-0015	SF		5" Thick, R19.25, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	4.18	0.42
For Horizontal Surface Application, Deduct				-0.07	
For Vapor Barrier, Integral With Insulation, Add				0.05	
07 21 13 13-0016	SF		6" Thick, R23.1, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	4.78	0.43
For Horizontal Surface Application, Deduct				-0.07	
For Vapor Barrier, Integral With Insulation, Add				0.05	

**07 21 13 13-0017 Cold Adhesive Applied, Extruded Polystyrene, Foam Board Insulation (07 21 13 13-0001)**

Note: 15 PSI compressive strength.

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 21 Thermal Insulation**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 21 13 13-0018	SF	3/8" Thick, R1.9, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	1.78	0.38
		<i>For Horizontal Surface Application, Deduct</i>	-0.06	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For 25 PSI Compressive Strength, Add</i>	0.18	
		<i>For 40 PSI Compressive Strength, Add</i>	0.44	
		<i>For 60 PSI Compressive Strength, Add</i>	0.70	
		<i>For 115 PSI Compressive Strength, Add</i>	3.02	
07 21 13 13-0019	SF	1/2" Thick, R2.5, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	2.08	0.38
		<i>For Horizontal Surface Application, Deduct</i>	-0.06	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For 25 PSI Compressive Strength, Add</i>	0.23	
		<i>For 40 PSI Compressive Strength, Add</i>	0.55	
		<i>For 60 PSI Compressive Strength, Add</i>	0.87	
		<i>For 115 PSI Compressive Strength, Add</i>	3.79	
07 21 13 13-0020	SF	3/4" Thick, R3.7, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	2.33	0.38
		<i>For Horizontal Surface Application, Deduct</i>	-0.06	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For 25 PSI Compressive Strength, Add</i>	0.27	
		<i>For 40 PSI Compressive Strength, Add</i>	0.65	
		<i>For 60 PSI Compressive Strength, Add</i>	1.02	
		<i>For 115 PSI Compressive Strength, Add</i>	4.43	
07 21 13 13-0021	SF	1" Thick, R5.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	2.00	0.38
		<i>For Horizontal Surface Application, Deduct</i>	-0.06	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For 25 PSI Compressive Strength, Add</i>	0.22	
		<i>For 40 PSI Compressive Strength, Add</i>	0.52	
		<i>For 60 PSI Compressive Strength, Add</i>	0.82	
		<i>For 115 PSI Compressive Strength, Add</i>	3.56	
07 21 13 13-0022	SF	2" Thick, R10.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	2.81	0.39
		<i>For Horizontal Surface Application, Deduct</i>	-0.07	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For 25 PSI Compressive Strength, Add</i>	0.35	
		<i>For 40 PSI Compressive Strength, Add</i>	0.82	
		<i>For 60 PSI Compressive Strength, Add</i>	1.29	
		<i>For 115 PSI Compressive Strength, Add</i>	5.62	
07 21 13 13-0023	SF	3" Thick, R15.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	3.63	0.40
		<i>For Horizontal Surface Application, Deduct</i>	-0.07	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For 25 PSI Compressive Strength, Add</i>	0.47	
		<i>For 40 PSI Compressive Strength, Add</i>	1.12	
		<i>For 60 PSI Compressive Strength, Add</i>	1.75	
		<i>For 115 PSI Compressive Strength, Add</i>	7.67	
07 21 13 13-0024	SF	4" Thick, R20.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	4.04	0.41
		<i>For Horizontal Surface Application, Deduct</i>	-0.07	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For 25 PSI Compressive Strength, Add</i>	0.54	
		<i>For 40 PSI Compressive Strength, Add</i>	1.28	
		<i>For 60 PSI Compressive Strength, Add</i>	1.98	
		<i>For 115 PSI Compressive Strength, Add</i>	8.70	

**07 21 13 13-0025 Mechanically Fastened Foam Board Insulation (07 21 13 13)**

Note: Mechanically fastened to wood or steel.

**07 21 13 13-0026 Mechanically Fastened, Foam Glass (Cellular Glass), Foam Board Insulation (07 21 13 13-0025)**

Note: Mechanically fastened to wood or steel.

07 21 13 13-0027	SF	1" Thick, R3.44, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened .....	2.58	0.38
		<i>For Horizontal Surface Application, Deduct</i>	-0.08	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.44	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.75	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.50	
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.79	
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.04	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.76	
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.70	
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.07	
07 21 13 13-0028	SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened .....	3.56	0.39
		<i>For Horizontal Surface Application, Deduct</i>	-0.08	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.48	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.71	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.63	
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.82	
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.04	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.95	
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.72	
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.07	
07 21 13 13-0029	SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened .....	4.18	0.39
		<i>For Horizontal Surface Application, Deduct</i>	-0.08	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.48	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.71	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.63	
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.82	
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.06	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.95	
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.72	
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.09	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0030	SF		2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened.....	5.47	0.40
			<i>For Horizontal Surface Application, Deduct</i>	-0.08	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.52	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.77	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.72	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.92	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.17	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.08	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.89	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.27	
07 21 13 13-0031			<b>Mechanically Fastened, Expanded Polystyrene, Foam Board Insulation</b> (07 21 13 13-0025)		
07 21 13 13-0032	SF		3/8" Thick, R1.44, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	1.42	0.38
			<i>For Horizontal Surface Application, Deduct</i>	-0.08	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.44	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.75	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.50	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.79	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.04	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.70	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.07	
07 21 13 13-0033	SF		1/2" Thick, R1.93, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	1.33	0.38
			<i>For Horizontal Surface Application, Deduct</i>	-0.08	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.44	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.75	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.50	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.79	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.04	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.70	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.07	
07 21 13 13-0034	SF		3/4" Thick, R2.89, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	1.48	0.38
			<i>For Horizontal Surface Application, Deduct</i>	-0.08	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.44	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.75	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.50	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.79	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.04	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.70	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.07	
07 21 13 13-0035	SF		1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation (MEPS) .....	1.64	0.38
			<i>For Horizontal Surface Application, Deduct</i>	-0.08	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.44	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.75	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.50	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.79	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.04	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.70	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.07	
07 21 13 13-0036	SF		2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation (MEPS) .....	2.30	0.39
			<i>For Horizontal Surface Application, Deduct</i>	-0.08	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.48	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.71	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.63	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.82	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.06	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.95	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.72	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.09	
07 21 13 13-0037	SF		3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	2.96	0.40
			<i>For Horizontal Surface Application, Deduct</i>	-0.08	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.52	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.77	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.72	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.92	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.17	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.08	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.89	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.27	
07 21 13 13-0038	SF		4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	3.65	0.41
			<i>For Horizontal Surface Application, Deduct</i>	-0.08	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.56	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.79	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.84	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.05	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.28	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.27	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.09	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.44	

## 07 Thermal And Moisture Protection

## 07 20 Thermal Protection

## 07 21 Thermal Insulation

 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

07 21 13 13-0039	SF	5" Thick, R19.25, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	4.37	0.42
		<i>For Horizontal Surface Application, Deduct</i>	-0.09	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.61	
		<i>For Mechanically Fastened To Gypsum, Add</i>	2.02	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.00	
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.21	
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.39	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	6.82	
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.32	
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.59	
07 21 13 13-0040	SF	6" Thick, R23.1, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	5.37	0.43
		<i>For Horizontal Surface Application, Deduct</i>	-0.09	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.65	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.57	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.42	
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.64	
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.55	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.13	
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.98	
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.84	

07 21 13 13-0041 Mechanically Fastened, Extruded Polystyrene, Foam Board Insulation<sup>(07 21 13</sup>

13-0025)

Note: 15 PSI compressive strength. Mechanically fastened to wood or steel.

07 21 13 13-0042	SF	3/8" Thick, R1.9, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened .....	1.63	0.38
		<i>For Horizontal Surface Application, Deduct</i>	-0.08	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For 25 PSI Compressive Strength, Add</i>	0.14	
		<i>For 40 PSI Compressive Strength, Add</i>	0.33	
		<i>For 60 PSI Compressive Strength, Add</i>	0.55	
		<i>For 115 PSI Compressive Strength, Add</i>	2.34	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.44	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.75	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.50	
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.79	
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.04	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.76	
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.70	
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.07	
07 21 13 13-0043	SF	1/2" Thick, R2.5, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened .....	1.93	0.38
		<i>For Horizontal Surface Application, Deduct</i>	-0.08	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For 25 PSI Compressive Strength, Add</i>	0.19	
		<i>For 40 PSI Compressive Strength, Add</i>	0.45	
		<i>For 60 PSI Compressive Strength, Add</i>	0.72	
		<i>For 115 PSI Compressive Strength, Add</i>	3.11	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.44	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.75	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.50	
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.79	
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.04	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.76	
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.70	
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.07	
07 21 13 13-0044	SF	3/4" Thick, R3.7, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened .....	2.18	0.38
		<i>For Horizontal Surface Application, Deduct</i>	-0.08	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For 25 PSI Compressive Strength, Add</i>	0.23	
		<i>For 40 PSI Compressive Strength, Add</i>	0.54	
		<i>For 60 PSI Compressive Strength, Add</i>	0.87	
		<i>For 115 PSI Compressive Strength, Add</i>	3.75	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.44	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.75	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.50	
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.79	
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.04	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.76	
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.70	
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.07	
07 21 13 13-0045	SF	1" Thick, R5.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened .....	1.85	0.38
		<i>For Horizontal Surface Application, Deduct</i>	-0.08	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For 25 PSI Compressive Strength, Add</i>	0.17	
		<i>For 40 PSI Compressive Strength, Add</i>	0.41	
		<i>For 60 PSI Compressive Strength, Add</i>	0.67	
		<i>For 115 PSI Compressive Strength, Add</i>	2.88	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.44	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.75	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.50	
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.79	
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.04	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.76	
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.70	
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.07	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0046	SF	2" Thick, R10.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	2.73	0.39	
		<i>For Horizontal Surface Application, Deduct</i>	-0.08		
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05		
		<i>For 25 PSI Compressive Strength, Add</i>	0.31		
		<i>For 40 PSI Compressive Strength, Add</i>	0.74		
		<i>For 60 PSI Compressive Strength, Add</i>	1.16		
		<i>For 115 PSI Compressive Strength, Add</i>	5.06		
		<i>For Mechanically Fastened To Concrete, Add</i>	1.48		
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.71		
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.63		
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.82		
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.06		
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.95		
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.72		
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.09		
07 21 13 13-0047	SF	3" Thick, R15.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	3.60	0.40	
		<i>For Horizontal Surface Application, Deduct</i>	-0.08		
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05		
		<i>For 25 PSI Compressive Strength, Add</i>	0.45		
		<i>For 40 PSI Compressive Strength, Add</i>	1.06		
		<i>For 60 PSI Compressive Strength, Add</i>	1.66		
		<i>For 115 PSI Compressive Strength, Add</i>	7.25		
		<i>For Mechanically Fastened To Concrete, Add</i>	1.52		
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.77		
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.72		
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.92		
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.17		
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.08		
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.89		
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.27		
07 21 13 13-0048	SF	4" Thick, R20.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	4.11	0.41	
		<i>For Horizontal Surface Application, Deduct</i>	-0.08		
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05		
		<i>For 25 PSI Compressive Strength, Add</i>	0.52		
		<i>For 40 PSI Compressive Strength, Add</i>	1.25		
		<i>For 60 PSI Compressive Strength, Add</i>	1.94		
		<i>For 115 PSI Compressive Strength, Add</i>	8.51		
		<i>For Mechanically Fastened To Concrete, Add</i>	1.56		
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.79		
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.84		
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.05		
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.28		
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.27		
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.09		
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.44		
<b>07 21 13 16 Fibrous Board Insulation (07 21 13)</b>					
07 21 13 16-0001		Cold Adhesive Applied Fibrous Board Insulation (07 21 13 16)			
07 21 13 16-0002		Cold Adhesive Applied, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation (07 21 13 16-0001)			
07 21 13 16-0003	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied	1.96	0.48	
		<i>For Horizontal Surface Application, Deduct</i>	-0.08		
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05		
		<i>For Factory Painted On One Surface Add</i>	0.17		
07 21 13 16-0004	SF	2" Thick, R5.2, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied	2.72	0.57	
		<i>For Horizontal Surface Application, Deduct</i>	-0.10		
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05		
		<i>For Factory Painted On One Surface Add</i>	0.17		
07 21 13 16-0005	SF	3" Thick, R7.8, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied	3.48	0.67	
		<i>For Horizontal Surface Application, Deduct</i>	-0.11		
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05		
		<i>For Factory Painted On One Surface Add</i>	0.17		
07 21 13 16-0006		Cold Adhesive Applied, Fiberglass, Fibrous Board Insulation (07 21 13 16-0001)			
07 21 13 16-0007	SF	1" Thick, R4.2, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	3.08	0.38	
		<i>For Horizontal Surface Application, Deduct</i>	-0.06		
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05		
		<i>For Factory Painted On One Surface Add</i>	0.17		
07 21 13 16-0008	SF	1-1/2" Thick, R6.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	4.67	0.39	
		<i>For Horizontal Surface Application, Deduct</i>	-0.06		
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05		
		<i>For Factory Painted On One Surface Add</i>	0.17		
07 21 13 16-0009	SF	2" Thick, R8.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	5.76	0.39	
		<i>For Horizontal Surface Application, Deduct</i>	-0.07		
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05		
		<i>For Factory Painted On One Surface Add</i>	0.17		
07 21 13 16-0010	SF	2-1/2" Thick, R10.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	6.64	0.39	
		<i>For Horizontal Surface Application, Deduct</i>	-0.07		
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05		
		<i>For Factory Painted On One Surface Add</i>	0.17		
07 21 13 16-0011	SF	3" Thick, R12.4, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	7.52	0.40	
		<i>For Horizontal Surface Application, Deduct</i>	-0.07		
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05		
		<i>For Factory Painted On One Surface Add</i>	0.17		

## 07 Thermal And Moisture Protection

## 07 20 Thermal Protection

## 07 21 Thermal Insulation

 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

07 21 13 16-0012	Mechanically Fastened Fibrous Board Insulation (07 21 13 16)		
	Note: Mechanically fastened to wood or steel.		
07 21 13 16-0013	Mechanically Fastened, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation (07 21 13 16-0012)		
	Note: Mechanically fastened to wood or steel.		
07 21 13 16-0014	SF 1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened.....	1.69	0.48
	For Horizontal Surface Application, Deduct	-0.08	
	For Vapor Barrier, Integral With Insulation, Add	0.05	
	For Factory Painted On One Surface Add	0.17	
	For Mechanically Fastened To Concrete, Add	1.44	
	For Mechanically Fastened To Gypsum, Add	1.75	
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.50	
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.79	
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.04	
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.76	
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.70	
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.07	
07 21 13 16-0015	SF 2" Thick, R5.2, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened.....	2.50	0.57
	For Horizontal Surface Application, Deduct	-0.10	
	For Vapor Barrier, Integral With Insulation, Add	0.05	
	For Factory Painted On One Surface Add	0.17	
	For Mechanically Fastened To Concrete, Add	1.48	
	For Mechanically Fastened To Gypsum, Add	1.71	
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.63	
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.82	
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.06	
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.95	
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.72	
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.09	
07 21 13 16-0016	SF 3" Thick, R7.8, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened.....	3.31	0.67
	For Horizontal Surface Application, Deduct	-0.11	
	For Vapor Barrier, Integral With Insulation, Add	0.05	
	For Factory Painted On One Surface Add	0.17	
	For Mechanically Fastened To Concrete, Add	1.52	
	For Mechanically Fastened To Gypsum, Add	1.77	
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.72	
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.92	
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.17	
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.08	
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.89	
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.27	
07 21 13 16-0017	Mechanically Fastened, Fiberglass, Fibrous Board Insulation (07 21 13 16-0012)		
	Note: Mechanically fastened to wood or steel.		
07 21 13 16-0018	SF 1" Thick, R4.2, Fiberglass, Fibrous Board Insulation, Mechanically Fastened.....	2.93	0.38
	For Horizontal Surface Application, Deduct	-0.08	
	For Vapor Barrier, Integral With Insulation, Add	0.05	
	For Factory Painted On One Surface Add	0.17	
	For Mechanically Fastened To Concrete, Add	1.44	
	For Mechanically Fastened To Gypsum, Add	1.75	
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.50	
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.79	
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.04	
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.76	
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.70	
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.07	
07 21 13 16-0019	SF 1-1/2" Thick, R6.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened.....	4.59	0.39
	For Horizontal Surface Application, Deduct	-0.08	
	For Vapor Barrier, Integral With Insulation, Add	0.05	
	For Factory Painted On One Surface Add	0.17	
	For Mechanically Fastened To Concrete, Add	1.48	
	For Mechanically Fastened To Gypsum, Add	1.71	
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.63	
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.82	
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.04	
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.95	
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.72	
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.07	
07 21 13 16-0020	SF 2" Thick, R8.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened.....	5.68	0.39
	For Horizontal Surface Application, Deduct	-0.08	
	For Vapor Barrier, Integral With Insulation, Add	0.05	
	For Factory Painted On One Surface Add	0.17	
	For Mechanically Fastened To Concrete, Add	1.48	
	For Mechanically Fastened To Gypsum, Add	1.71	
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.63	
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.82	
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.06	
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.95	
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.72	
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.09	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 16-0021	SF		2-1/2" Thick, R10.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened .....	6.62	0.39
			<i>For Horizontal Surface Application, Deduct</i>	-0.08	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.52	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.72	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.92	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.08	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.89	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.74	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.14	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.22	
07 21 13 16-0022	SF		3" Thick, R12.4, Fiberglass, Fibrous Board Insulation, Mechanically Fastened.....	7.49	0.40
			<i>For Horizontal Surface Application, Deduct</i>	-0.08	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.52	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.77	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.72	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.92	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.17	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.08	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.89	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.27	
<b>07 21 13 19 Mineral Board Insulation (07 21 13)</b>					
07 21 13 19-0001			<b>Cold Adhesive Applied Mineral Board Insulation (07 21 13 19)</b>		
07 21 13 19-0002			<b>Cold Adhesive Applied, High-Density Fiberboard, Mineral Board Insulation</b>		
			<i>(07 21 13 19-0001)</i>		
07 21 13 19-0003	SF		1/2" Thick, R1.3, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied .....	1.56	0.43
			<i>For Horizontal Surface Application, Deduct</i>	-0.07	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 19-0004	SF		25/32" Thick, R1.9, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied .....	1.79	0.45
			<i>For Horizontal Surface Application, Deduct</i>	-0.08	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 19-0005	SF		1" Thick, R2.5, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied .....	2.03	0.48
			<i>For Horizontal Surface Application, Deduct</i>	-0.08	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 19-0006	SF		1-1/2" Thick, R3.8, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied.....	2.45	0.52
			<i>For Horizontal Surface Application, Deduct</i>	-0.09	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 19-0007	SF		2" Thick, R5.0, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied .....	2.86	0.57
			<i>For Horizontal Surface Application, Deduct</i>	-0.10	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 19-0008	SF		3" Thick, R7.5, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied .....	3.69	0.67
			<i>For Horizontal Surface Application, Deduct</i>	-0.11	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 19-0009			<b>Mechanically Fastened Mineral Board Insulation (07 21 13 19)</b>		
			Note: Mechanically fastened to wood or steel.		
07 21 13 19-0010			<b>Mechanically Fastened, High-Density Fiberboard, Mineral Board Insulation</b>		
			<i>(07 21 13 19-0009)</i>		
			Note: Mechanically fastened to wood or steel.		
07 21 13 19-0011	SF		1/2" Thick, R1.3, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	1.30	0.43
			<i>For Horizontal Surface Application, Deduct</i>	-0.07	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.44	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.75	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.50	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.79	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.04	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.70	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.07	
07 21 13 19-0012	SF		25/32" Thick, R1.9, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	1.52	0.45
			<i>For Horizontal Surface Application, Deduct</i>	-0.08	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.44	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.75	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.50	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.79	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.04	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.70	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.07	

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 21 Thermal Insulation**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 21 13 19-0013	SF	1" Thick, R2.5, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	1.76	0.48
		<i>For Horizontal Surface Application, Deduct</i>	-0.08	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For Factory Painted On One Surface Add</i>	0.17	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.44	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.75	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.50	
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.79	
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.04	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.76	
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.70	
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.07	
07 21 13 19-0014	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	2.23	0.52
		<i>For Horizontal Surface Application, Deduct</i>	-0.09	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For Factory Painted On One Surface Add</i>	0.17	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.48	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.71	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.63	
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.82	
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.04	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.95	
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.72	
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.07	
07 21 13 19-0015	SF	2" Thick, R5.0, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	2.65	0.57
		<i>For Horizontal Surface Application, Deduct</i>	-0.10	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For Factory Painted On One Surface Add</i>	0.17	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.48	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.71	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.63	
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.82	
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.06	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.95	
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.72	
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.09	
07 21 13 19-0016	SF	3" Thick, R7.5, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	3.53	0.67
		<i>For Horizontal Surface Application, Deduct</i>	-0.11	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For Factory Painted On One Surface Add</i>	0.17	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.52	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.77	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.72	
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.92	
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.17	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.08	
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.89	
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.27	

**07 21 16 Blanket Insulation (07 21)**

Note: All insulation rolls or batts applied to wood or steel studs or between rafters or between metal building "skin" and framing.

**07 21 16 00-0001 Fiberglass Flexible Insulation (07 21 16)**

Note: Rolls or batts.

**07 21 16 00-0002 Kraft Faced, Fiberglass Flexible Insulation (07 21 16 00-0001)**

07 21 16 00-0003	SF	3-1/2" Thick, Kraft Faced, R-11 Fiberglass Flexible Insulation.....	1.35	0.43
		<i>For &gt;1,600, Deduct</i>	-0.14	
07 21 16 00-0004	SF	3-1/2" Thick, Kraft Faced, R-13 Fiberglass Flexible Insulation.....	1.46	0.43
		<i>For &gt;1,600, Deduct</i>	-0.17	
07 21 16 00-0005	SF	3-1/2" Thick, Kraft Faced, R-15 Fiberglass Flexible Insulation.....	1.49	0.43
		<i>For &gt;1,600, Deduct</i>	-0.17	
07 21 16 00-0006	SF	5-1/2" Thick, Kraft Faced, R-21 Fiberglass Flexible Insulation.....	1.97	0.43
		<i>For &gt;1,600, Deduct</i>	-0.26	
07 21 16 00-0007	SF	6-1/4" Thick, Kraft Faced, R-19 Fiberglass Flexible Insulation.....	1.69	0.43
		<i>For &gt;1,600, Deduct</i>	-0.20	
07 21 16 00-0008	SF	9-1/2" Thick, Kraft Faced, R-30 Fiberglass Flexible Insulation.....	2.32	0.53
		<i>For &gt;1,600, Deduct</i>	-0.31	
07 21 16 00-0009	SF	12" Thick, Kraft Faced, R-38 Fiberglass Flexible Insulation.....	2.64	0.53
		<i>For &gt;1,600, Deduct</i>	-0.35	

**07 21 16 00-0010 Unfaced, Fiberglass Flexible Insulation (07 21 16 00-0001)**

07 21 16 00-0011	SF	3-1/2" Thick, Unfaced, R-11 Fiberglass Flexible Insulation.....	1.28	0.43
		<i>For &gt;1,600, Deduct</i>	-0.13	
07 21 16 00-0012	SF	3-1/2" Thick, Unfaced, R-13 Fiberglass Flexible Insulation.....	1.40	0.43
		<i>For &gt;1,600, Deduct</i>	-0.15	
07 21 16 00-0013	SF	3-1/2" Thick, Unfaced, R-15 Fiberglass Flexible Insulation.....	1.85	0.43
		<i>For &gt;1,600, Deduct</i>	-0.24	
07 21 16 00-0014	SF	5-1/2" Thick, Unfaced, R-21 Fiberglass Flexible Insulation.....	1.90	0.43
		<i>For &gt;1,600, Deduct</i>	-0.25	
07 21 16 00-0015	SF	6-1/4" Thick, Unfaced, R-19 Fiberglass Flexible Insulation.....	1.64	0.43
		<i>For &gt;1,600, Deduct</i>	-0.19	
07 21 16 00-0016	SF	9-1/2" Thick, Unfaced, R-30 Fiberglass Flexible Insulation.....	2.19	0.53
		<i>For &gt;1,600, Deduct</i>	-0.28	
07 21 16 00-0017	SF	12" Thick, Unfaced, R-38 Fiberglass Flexible Insulation.....	2.55	0.53
		<i>For &gt;1,600, Deduct</i>	-0.33	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>07 21 16 00-0018 Foil Faced, Fiberglass Flexible Insulation (07 21 16 00-0001)</b>					
07 21 16 00-0019	SF		3-1/2" Thick, Foil Faced, R-11 Fiberglass Flexible Insulation ..... <i>For &gt;1,600, Deduct</i>	1.54 -0.18	0.43
07 21 16 00-0020	SF		3-1/2" Thick, Foil Faced, R-13 Fiberglass Flexible Insulation ..... <i>For &gt;1,600, Deduct</i>	1.71 -0.22	0.43
07 21 16 00-0021	SF		6-1/4" Thick, Foil Faced, R-19 Fiberglass Flexible Insulation ..... <i>For &gt;1,600, Deduct</i>	1.93 -0.25	0.43
07 21 16 00-0022	SF		10-1/4" Thick, Foil Faced, R-38 Fiberglass Flexible Insulation ..... <i>For &gt;1,600, Deduct</i>	2.72 -0.37	0.53
07 21 16 00-0023	SF		12" Thick, Foil Faced, R-38 Fiberglass Flexible Insulation ..... <i>For &gt;1,600, Deduct</i>	2.96 -0.41	0.53
<b>07 21 16 00-0024 Poly-Encapsulated, Fiberglass Flexible Insulation (07 21 16 00-0001)</b>					
07 21 16 00-0025	SF		3-1/2" Thick, Poly-Encapsulated, R-11 Fiberglass Flexible Insulation ..... <i>For &gt;1,600, Deduct</i>	1.39 -0.15	0.43
07 21 16 00-0026	SF		3-1/2" Thick, Poly-Encapsulated, R-13 Fiberglass Flexible Insulation ..... <i>For &gt;1,600, Deduct</i>	1.49 -0.17	0.43
07 21 16 00-0027	SF		5-1/2" Thick, Poly-Encapsulated, R-21 Fiberglass Flexible Insulation ..... <i>For &gt;1,600, Deduct</i>	2.03 -0.28	0.43
07 21 16 00-0028	SF		6-1/2" Thick, Poly-Encapsulated, R-19 Fiberglass Flexible Insulation ..... <i>For &gt;1,600, Deduct</i>	1.71 -0.20	0.43
07 21 16 00-0029	SF		8-1/4" Thick, Poly-Encapsulated, R-25 Fiberglass Flexible Insulation ..... <i>For &gt;1,600, Deduct</i>	2.26 -0.31	0.53
07 21 16 00-0030	SF		10-1/4" Thick, Poly-Encapsulated, R-30 Fiberglass Flexible Insulation ..... <i>For &gt;1,600, Deduct</i>	2.55 -0.33	0.53
<b>07 21 16 00-0031 Mineral Wool Flexible Insulation (07 21 16)</b>					
<b>07 21 16 00-0032 Kraft Faced, Mineral Wool Flexible Insulation (07 21 16 00-0031)</b>					
07 21 16 00-0033	SF		3-1/2" Kraft Faced, R-11 Mineral Wool Flexible Insulation..... <i>For &gt;1,600, Deduct</i>	1.51 -0.18	0.43
07 21 16 00-0034	SF		6-1/4" Kraft Faced, R-19 Mineral Wool Flexible Insulation..... <i>For &gt;1,600, Deduct</i>	2.00 -0.26	0.43
07 21 16 00-0035	SF		9-1/2" Kraft Faced, R-30 Mineral Wool Flexible Insulation..... <i>For &gt;1,600, Deduct</i>	3.09 -0.46	0.43
07 21 16 00-0036	SF		12" Kraft Faced, R-38 Mineral Wool Flexible Insulation..... <i>For &gt;1,600, Deduct</i>	3.68 -0.56	0.43
<b>07 21 16 00-0037 Unfaced, Mineral Wool Flexible Insulation (07 21 16 00-0031)</b>					
07 21 16 00-0038	SF		3-1/2" Unfaced, R-11 Mineral Wool Flexible Insulation..... <i>For &gt;1,600, Deduct</i>	1.41 -0.16	0.43
07 21 16 00-0039	SF		6-1/4" Unfaced, R-19 Mineral Wool Flexible Insulation ..... <i>For &gt;1,600, Deduct</i>	1.84 -0.23	0.43
07 21 16 00-0040	SF		9-1/2" Unfaced, R-30 Mineral Wool Flexible Insulation..... <i>For &gt;1,600, Deduct</i>	2.78 -0.40	0.43
07 21 16 00-0041	SF		12" Unfaced, R-38 Mineral Wool Flexible Insulation ..... <i>For &gt;1,600, Deduct</i>	3.31 -0.48	0.43
<b>07 21 16 00-0042 Natural Cotton Insulation (07 21 16)</b>					
<b>07 21 16 00-0043 UltraTouch™ Natural Cotton Insulation (07 21 16 00-0042)</b>					
Note: 85% recycled denim cotton.					
07 21 16 00-0044	SF		3-1/2", R-13 UltraTouch™ Natural Cotton Insulation ..... <i>For &gt;1,600, Deduct</i>	2.04 -0.28	0.43
07 21 16 00-0045	SF		5-1/2", R-19 UltraTouch™ Natural Cotton Insulation ..... <i>For &gt;1,600, Deduct</i>	2.28 -0.33	0.43
07 21 16 00-0046	SF		5-1/2", R-21 UltraTouch™ Natural Cotton Insulation ..... <i>For &gt;1,600, Deduct</i>	2.54 -0.38	0.43
07 21 16 00-0047	SF		8", R-30 UltraTouch™ Natural Cotton Insulation ..... <i>For &gt;1,600, Deduct</i>	3.38 -0.53	0.43
<b>07 21 19 Foamed-In-Place Insulation (07 21)</b>					
<b>07 21 19 00-0001 Polyurethane Foam Insulation, Sprayed On (07 21 19)</b>					
07 21 19 00-0002	SF		1" Thick, R3.8, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	1.30	
07 21 19 00-0003	SF		2" Thick, R7.6, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	2.21	
07 21 19 00-0004	SF		3" Thick, R11.4, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	3.11	
07 21 19 00-0005	SF		4" Thick, R15.2, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	4.02	
07 21 19 00-0006	SF		5" Thick, R19.0, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	4.92	
07 21 19 00-0007	SF		6" Thick, R22.8, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	5.83	
07 21 19 00-0008	SF		1" Thick, R6.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation.....	2.51	
07 21 19 00-0009	SF		2" Thick, R13.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation.....	4.02	
07 21 19 00-0010	SF		3" Thick, R19.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation.....	5.52	
07 21 19 00-0011	SF		4" Thick, R26.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation.....	7.03	
07 21 19 00-0012	SF		5" Thick, R32.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation.....	8.53	
07 21 19 00-0013	SF		6" Thick, R39.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation.....	10.03	
<b>07 21 23 Loose-Fill Insulation (07 21)</b>					
<b>07 21 23 00-0001 Poured Type, Loose Fill Insulation (07 21 23)</b>					
07 21 23 00-0002	CF		R-4/Inch, Poured Type, Fiberglass Loose Fill Insulation.....	6.27	2.47

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 21 Thermal Insulation**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

07 21 23 00-0003	CF	R-3.8/Inch, Poured Type, Cellulose Loose Fill Insulation.....	6.69	2.47
<b>07 21 23 00-0004</b>		<b>Concrete Block Wall Cavity Insulation (07 21 23)</b>		
07 21 23 00-0005	CF	R-2.7, Vermiculite Or Perlite, Concrete Block Wall Cavity Insulation.....	8.71	2.47
07 21 23 00-0006	CF	R-4, Polystyrene Foam, Concrete Block Wall Cavity Insulation.....	8.63	2.47
<b>07 21 26</b>		<b>Blown Insulation (07 21)</b>		
<b>07 21 26 00-0001</b>		<b>Fiberglass Blown-In Insulation (07 21 26)</b>		
<b>07 21 26 00-0002</b>		<b>Attic, Fiberglass Blown-In Insulation (07 21 26 00-0001)</b>		
07 21 26 00-0003	SF	4-1/2" Thick, R-11 Attic, Fiberglass Blown In Insulation.....	1.33	1.09
07 21 26 00-0004	SF	5-1/4" Thick, R-13 Attic, Fiberglass Blown In Insulation.....	1.49	1.20
07 21 26 00-0005	SF	6-1/2" Thick, R-17 Attic, Fiberglass Blown In Insulation.....	1.64	1.30
07 21 26 00-0006	SF	7-1/2" Thick, R-19 Attic, Fiberglass Blown In Insulation.....	1.83	1.41
07 21 26 00-0007	SF	8-1/2" Thick, R-22 Attic, Fiberglass Blown In Insulation.....	1.95	1.47
07 21 26 00-0008	SF	10-1/4" Thick, R-26 Attic, Fiberglass Blown In Insulation.....	2.11	1.53
07 21 26 00-0009	SF	11-1/2" Thick, R-30 Attic, Fiberglass Blown In Insulation.....	2.25	1.58
07 21 26 00-0010	SF	12-1/2" Thick, R-32 Attic, Fiberglass Blown In Insulation.....	2.36	1.63
07 21 26 00-0011	SF	13-1/2" Thick, R-35 Attic, Fiberglass Blown In Insulation.....	2.53	1.74
07 21 26 00-0012	SF	14-1/2" Thick, R-38 Attic, Fiberglass Blown In Insulation.....	2.68	1.80
07 21 26 00-0013	SF	16-1/2" Thick, R-44 Attic, Fiberglass Blown In Insulation.....	2.87	1.85
07 21 26 00-0014	SF	18-1/2" Thick, R-49 Attic, Fiberglass Blown In Insulation.....	3.10	1.96
07 21 26 00-0015	SF	21-3/4" Thick, R-60 Attic, Fiberglass Blown In Insulation.....	3.59	2.18
<b>07 21 26 00-0016</b>		<b>New Wall, Fiberglass Blown-In Insulation (07 21 26 00-0001)</b>		
07 21 26 00-0017	SF	3-1/2" Thick, R-15 New Wall, Fiberglass Blown In Insulation.....	1.92	1.09
07 21 26 00-0018	SF	5-1/2" Thick, R-23 New Wall, Fiberglass Blown In Insulation.....	2.55	1.30
07 21 26 00-0019	SF	7-1/4" Thick, R-31 New Wall, Fiberglass Blown In Insulation.....	3.01	1.41
07 21 26 00-0020	SF	9-1/4" Thick, R-39 New Wall, Fiberglass Blown In Insulation.....	3.58	1.53
<b>07 21 26 00-0021</b>		<b>Existing Wall, Fiberglass Blown-In Insulation (07 21 26 00-0001)</b>		
		Note: Includes drilling. Excludes patching.		
07 21 26 00-0022	SF	3-1/2" Thick, R-15 Existing Wall, Fiberglass Blown In Insulation.....	1.83	1.09
07 21 26 00-0023	SF	5-1/2" Thick, R-23 Existing Wall, Fiberglass Blown In Insulation.....	2.45	1.30
07 21 26 00-0024	SF	7-1/4" Thick, R-31 Existing Wall, Fiberglass Blown In Insulation.....	2.91	1.41
07 21 26 00-0025	SF	9-1/4" Thick, R-39 Existing Wall, Fiberglass Blown In Insulation.....	3.48	1.53
<b>07 21 26 00-0026</b>		<b>Cellulose Blown-In Insulation (07 21 26)</b>		
<b>07 21 26 00-0027</b>		<b>Attic, Cellulose Blown-In Insulation (07 21 26 00-0026)</b>		
07 21 26 00-0028	SF	3-3/4" Thick, R-13 Attic, Cellulose Blown In Insulation.....	1.41	1.09
07 21 26 00-0029	SF	5-1/2" Thick, R-19 Attic, Cellulose Blown In Insulation.....	1.69	1.20
07 21 26 00-0030	SF	6-1/4" Thick, R-22 Attic, Cellulose Blown In Insulation.....	1.88	1.30
07 21 26 00-0031	SF	7-3/4" Thick, R-28 Attic, Cellulose Blown In Insulation.....	2.19	1.41
07 21 26 00-0032	SF	8-1/2" Thick, R-30 Attic, Cellulose Blown In Insulation.....	2.23	1.41
07 21 26 00-0033	SF	10-3/4" Thick, R-38 Attic, Cellulose Blown In Insulation.....	2.60	1.53
07 21 26 00-0034	SF	11-1/4" Thick, R-40 Attic, Cellulose Blown In Insulation.....	2.67	1.53
07 21 26 00-0035	SF	12-1/2" Thick, R-45 Attic, Cellulose Blown In Insulation.....	2.92	1.63
07 21 26 00-0036	SF	13-3/4" Thick, R-50 Attic, Cellulose Blown In Insulation.....	3.10	1.63
07 21 26 00-0037	SF	15-1/2" Thick, R-55 Attic, Cellulose Blown In Insulation.....	3.35	1.74
07 21 26 00-0038	SF	16-1/2" Thick, R-60 Attic, Cellulose Blown In Insulation.....	3.52	1.74
<b>07 21 26 00-0039</b>		<b>New Wall, Cellulose Blown-In Insulation (07 21 26 00-0026)</b>		
07 21 26 00-0040	SF	3-1/2" Thick, R-13 New Wall, Cellulose Blown In Insulation.....	1.88	1.09
07 21 26 00-0041	SF	5-1/2" Thick, R-20 New Wall, Cellulose Blown In Insulation.....	2.48	1.30
07 21 26 00-0042	SF	7-1/4" Thick, R-27 New Wall, Cellulose Blown In Insulation.....	2.91	1.41
07 21 26 00-0043	SF	9-1/4" Thick, R-34 New Wall, Cellulose Blown In Insulation.....	3.45	1.53
<b>07 21 26 00-0044</b>		<b>Existing Wall, Cellulose Blown-In Insulation (07 21 26 00-0026)</b>		
		Note: Includes drilling. Excludes patching.		
07 21 26 00-0045	SF	3-1/2" Thick, R-13 Existing Wall, Cellulose Blown In Insulation.....	1.78	1.09
07 21 26 00-0046	SF	5-1/2" Thick, R-20 Existing Wall, Cellulose Blown In Insulation.....	2.38	1.30
07 21 26 00-0047	SF	7-1/4" Thick, R-27 Existing Wall, Cellulose Blown In Insulation.....	2.82	1.41
07 21 26 00-0048	SF	9-1/4" Thick, R-34 Existing Wall, Cellulose Blown In Insulation.....	3.36	1.53
<b>07 21 29</b>		<b>Sprayed Insulation (07 21)</b>		
<b>07 21 29 00-0001</b>		<b>Fiber Sprayed On Insulation (07 21 29)</b>		
07 21 29 00-0002	SF	1" Thick, R2.7, Spray-on Perlite Insulation.....	2.24	0.65
07 21 29 00-0003	SF	1" Thick, R3.7, Spray-on Fibrous/Cementitious Insulation.....	1.63	0.65
<b>07 21 29 00-0004</b>		<b>Cellulose Sprayed On Insulation (07 21 29)</b>		
07 21 29 00-0005	SF	1" Thick, Spray-on Cellulose Insulation.....	3.19	0.65



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**07 21 53 Reflective Insulation (07 21)**

07 21 53 00-0001	Reflective Barrier Insulation (Foil - Single Bubble - Foil) (07 21 53)	
07 21 53 00-0002	SF 3/16" Nominal Thickness, Reflective Barrier Insulation, With Single Bubble Air Space.....	1.00

**07 22 Roof and Deck Insulation (07 20)**

**07 22 16 Roof Board Insulation (07 22)**

Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements. Types are stock sizes set in cold applied adhesive. Apply modifiers for specified alternate attachment.

07 22 16 00-0001	Rigid Board Roofing Insulation (07 22 16)	
	Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements.	
07 22 16 00-0002	Cold Adhesive Applied Rigid Board Roofing Insulation (07 22 16 00-0001)	
07 22 16 00-0003	Cold Adhesive Applied, High-Density Fiberboard, Roof Board Insulation (07 22 16 00-0002)	
07 22 16 00-0004	SF 1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied .....	2.01
07 22 16 00-0005	SF 25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied .....	2.27
07 22 16 00-0006	SF 1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied .....	2.53
07 22 16 00-0007	SF 1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied .....	3.00
07 22 16 00-0008	SF 2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied .....	3.45

**07 22 16 00-0009 Cold Adhesive Applied, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation (07 22 16 00-0002)**

07 22 16 00-0010	SF 1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Cold Adhesive Applied.....	2.35
07 22 16 00-0011	SF 1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Cold Adhesive Applied.....	2.46

**07 22 16 00-0012 Cold Adhesive Applied, Perlite, Roof Board Insulation (07 22 16 00-0002)**

07 22 16 00-0013	SF 1/2" Thick, R1.32, Perlite, Roof Board Insulation, Cold Adhesive Applied .....	1.93
07 22 16 00-0014	SF 1/2" Thick, R1.32, Perlite, Roof Board Insulation, Cold Adhesive Applied .....	1.93
07 22 16 00-0015	SF 3/4" Thick, R2.08, Perlite, Roof Board Insulation, Cold Adhesive Applied .....	2.06
07 22 16 00-0016	SF 1" Thick, R2.78, Perlite, Roof Board Insulation, Cold Adhesive Applied.....	2.23
07 22 16 00-0017	SF 1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Cold Adhesive Applied .....	2.63
07 22 16 00-0018	SF 2" Thick, R5.56, Perlite, Roof Board Insulation, Cold Adhesive Applied.....	2.89

**07 22 16 00-0019 Cold Adhesive Applied, Basalt Mineral Wool, Roof Board Insulation (07 22 16 00-0002)**

07 22 16 00-0020	SF 1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied .....	2.45
07 22 16 00-0021	SF 2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied .....	3.09
07 22 16 00-0022	SF 3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied .....	3.85

**07 22 16 00-0023 Cold Adhesive Applied, Foam Glass (Cellular Glass), Roof Board Insulation (07 22 16 00-0002)**

07 22 16 00-0024	SF 1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied .....	4.04
07 22 16 00-0025	SF 2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied .....	4.66
07 22 16 00-0026	SF 2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied .....	5.90
07 22 16 00-0027	SF 3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied .....	10.35

**07 22 16 00-0028 Cold Adhesive Applied, Molded Expanded Polystyrene, Roof Board Insulation (07 22 16 00-0002)**

07 22 16 00-0029	SF 3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied .....	1.99
	<i>For Loose-Laid, Deduct</i>	-1.09
07 22 16 00-0030	SF 1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied .....	1.91
	<i>For Loose-Laid, Deduct</i>	-1.09
07 22 16 00-0031	SF 3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied .....	2.06
	<i>For Loose-Laid, Deduct</i>	-1.09
07 22 16 00-0032	SF 1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied .....	2.22
	<i>For Loose-Laid, Deduct</i>	-1.10
07 22 16 00-0033	SF 2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied .....	2.83
	<i>For Loose-Laid, Deduct</i>	-1.11
07 22 16 00-0034	SF 3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied .....	3.43
	<i>For Loose-Laid, Deduct</i>	-1.12
07 22 16 00-0035	SF 4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied .....	4.05
	<i>For Loose-Laid, Deduct</i>	-1.14
07 22 16 00-0036	SF 5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied .....	4.65
	<i>For Loose-Laid, Deduct</i>	-1.15
07 22 16 00-0037	SF 6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied .....	5.27
	<i>For Loose-Laid, Deduct</i>	-1.16

**07 22 16 00-0038 Cold Adhesive Applied, Extruded Polystyrene, Roof Board Insulation (07 22 16 00-0002)**

Note: 15 PSI compressive strength.

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof and Deck Insulation**

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07 22 16 00-0039	SF 3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied .....	2.72	
	<i>For Loose-Laid, Deduct</i>	-1.07	
	<i>For 25 PSI Compressive Strength, Add</i>	0.27	
	<i>For 40 PSI Compressive Strength, Add</i>	0.65	
	<i>For 60 PSI Compressive Strength, Add</i>	1.04	
	<i>For 115 PSI Compressive Strength, Add</i>	4.47	
07 22 16 00-0040	SF 1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied .....	2.39	
	<i>For Loose-Laid, Deduct</i>	-1.08	
	<i>For 25 PSI Compressive Strength, Add</i>	0.22	
	<i>For 40 PSI Compressive Strength, Add</i>	0.52	
	<i>For 60 PSI Compressive Strength, Add</i>	0.84	
	<i>For 115 PSI Compressive Strength, Add</i>	3.60	
07 22 16 00-0041	SF 1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied .....	3.49	
	<i>For Loose-Laid, Deduct</i>	-1.08	
	<i>For 25 PSI Compressive Strength, Add</i>	0.39	
	<i>For 40 PSI Compressive Strength, Add</i>	0.93	
	<i>For 60 PSI Compressive Strength, Add</i>	1.48	
	<i>For 100 PSI Compressive Strength, Add</i>	1.90	
	<i>For 115 PSI Compressive Strength, Add</i>	6.43	
07 22 16 00-0042	SF 2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied .....	3.21	
	<i>For Loose-Laid, Deduct</i>	-1.09	
	<i>For 25 PSI Compressive Strength, Add</i>	0.35	
	<i>For 40 PSI Compressive Strength, Add</i>	0.82	
	<i>For 60 PSI Compressive Strength, Add</i>	1.31	
	<i>For 115 PSI Compressive Strength, Add</i>	5.66	
07 22 16 00-0043	SF 2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied .....	4.77	
	<i>For Loose-Laid, Deduct</i>	-1.09	
	<i>For 25 PSI Compressive Strength, Add</i>	0.60	
	<i>For 40 PSI Compressive Strength, Add</i>	1.41	
	<i>For 60 PSI Compressive Strength, Add</i>	2.21	
	<i>For 100 PSI Compressive Strength, Add</i>	2.84	
	<i>For 115 PSI Compressive Strength, Add</i>	9.67	
07 22 16 00-0044	SF 3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied .....	4.04	
	<i>For Loose-Laid, Deduct</i>	-1.10	
	<i>For 25 PSI Compressive Strength, Add</i>	0.47	
	<i>For 40 PSI Compressive Strength, Add</i>	1.12	
	<i>For 60 PSI Compressive Strength, Add</i>	1.77	
	<i>For 115 PSI Compressive Strength, Add</i>	7.72	
07 22 16 00-0045	SF 4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied .....	4.47	
	<i>For Loose-Laid, Deduct</i>	-1.12	
	<i>For 25 PSI Compressive Strength, Add</i>	0.54	
	<i>For 40 PSI Compressive Strength, Add</i>	1.28	
	<i>For 60 PSI Compressive Strength, Add</i>	2.00	
	<i>For 115 PSI Compressive Strength, Add</i>	8.75	
<b>07 22 16 00-0046</b>	<b>Cold Adhesive Applied, Polyisocyanurate Board Roofing Insulation</b> <small>(07 22 16 00-0002)</small>		
07 22 16 00-0047	SF 3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied .....	2.44	
	<i>For Loose-Laid, Deduct</i>	-1.07	
	<i>For Foil Facer, Add</i>	0.36	
	<i>For 25 PSI Compressive Strength, Add</i>	0.14	
07 22 16 00-0048	SF 1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied .....	2.54	
	<i>For Loose-Laid, Deduct</i>	-1.08	
	<i>For Foil Facer, Add</i>	0.36	
	<i>For 25 PSI Compressive Strength, Add</i>	0.15	
07 22 16 00-0049	SF 1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied .....	2.68	
	<i>For Loose-Laid, Deduct</i>	-1.08	
	<i>For Foil Facer, Add</i>	0.36	
	<i>For 25 PSI Compressive Strength, Add</i>	0.16	
07 22 16 00-0050	SF 2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied .....	3.04	
	<i>For Loose-Laid, Deduct</i>	-1.09	
	<i>For Foil Facer, Add</i>	0.36	
	<i>For 25 PSI Compressive Strength, Add</i>	0.20	
07 22 16 00-0051	SF 2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied .....	3.42	
	<i>For Loose-Laid, Deduct</i>	-1.10	
	<i>For Foil Facer, Add</i>	0.36	
	<i>For 25 PSI Compressive Strength, Add</i>	0.24	
07 22 16 00-0052	SF 3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied .....	3.79	
	<i>For Loose-Laid, Deduct</i>	-1.10	
	<i>For Foil Facer, Add</i>	0.36	
	<i>For 25 PSI Compressive Strength, Add</i>	0.27	
07 22 16 00-0053	SF 3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied .....	4.19	
	<i>For Loose-Laid, Deduct</i>	-1.11	
	<i>For Foil Facer, Add</i>	0.36	
	<i>For 25 PSI Compressive Strength, Add</i>	0.31	
07 22 16 00-0054	SF 4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied .....	4.55	
	<i>For Loose-Laid, Deduct</i>	-1.12	
	<i>For Foil Facer, Add</i>	0.36	
	<i>For 25 PSI Compressive Strength, Add</i>	0.34	
<b>07 22 16 00-0055</b>	<b>Cold Adhesive Applied, High-Density Polyisocyanurate Cover Board And Roofing Insulation</b> <small>(07 22 16 00-0002)</small>		
07 22 16 00-0056	SF 1/2" Thick, R2.5, High-Density Polyisocyanurate Cover Board And Roofing Insulation, Cold Adhesive Applied .....	2.77	
<b>07 22 16 00-0057</b>	<b>Cold Adhesive Applied, Gypsum-Fiber, Roof Board Insulation (USG Securock)</b> <small>(07 22 16 00-0002)</small>		
07 22 16 00-0058	SF 1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied .....	2.63	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0059	SF		3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied .....	2.78	
07 22 16 00-0060	SF		1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied .....	2.88	
07 22 16 00-0061	SF		5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied .....	2.94	
<b>07 22 16 00-0062</b>			<b>Cold Adhesive Applied, Glass-Mat, Roof Board Insulation (USG Securock)</b> <i>(07 22 16 00-0002)</i>		
07 22 16 00-0063	SF		1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied.....	2.58	
07 22 16 00-0064	SF		1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied.....	2.81	
07 22 16 00-0065	SF		5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied.....	2.86	
<b>07 22 16 00-0066</b>			<b>Cold Adhesive Applied, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation</b> <i>(07 22 16 00-0002)</i> Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer.		
07 22 16 00-0067	SF		1.5" Thick, R6.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied .....	4.42	
07 22 16 00-0068	SF		2" Thick, R9.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied .....	4.63	
07 22 16 00-0069	SF		2.5" Thick, R12.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied .....	4.93	
07 22 16 00-0070	SF		3" Thick, R15.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied .....	5.12	
07 22 16 00-0071	SF		3.5" Thick, R18.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied .....	5.55	
07 22 16 00-0072	SF		4" Thick, R21.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied .....	5.72	
07 22 16 00-0073	SF		4.5" Thick, R24.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied .....	6.02	
<b>07 22 16 00-0074</b>			<b>Cold Adhesive Applied, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation</b> <i>(07 22 16 00-0002)</i> Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer.		
07 22 16 00-0075	SF		2.5" Thick, R5.7, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied .....	4.46	
07 22 16 00-0076	SF		3" Thick, R8.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied .....	4.84	
07 22 16 00-0077	SF		3.5" Thick, R11.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied .....	5.29	
07 22 16 00-0078	SF		4" Thick, R14.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied .....	5.59	
07 22 16 00-0079	SF		4.5" Thick, R17.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied .....	5.97	
07 22 16 00-0080	SF		5" Thick, R20.5, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied .....	6.37	
07 22 16 00-0081	SF		5.5" Thick, R23.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied .....	7.12	
<b>07 22 16 00-0082</b>			<b>Hot-Mopped Rigid Board Roofing Insulation</b> <i>(07 22 16 00-0001)</i>		
<b>07 22 16 00-0083</b>			<b>Hot-Mopped, High-Density Fiberboard, Roof Board Insulation</b> <i>(07 22 16 00-0082)</i>		
07 22 16 00-0084	SF		1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped.....	1.83	
07 22 16 00-0085	SF		25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped.....	2.09	
07 22 16 00-0086	SF		1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped.....	2.35	
07 22 16 00-0087	SF		1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped .....	2.83	
07 22 16 00-0088	SF		2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped.....	3.30	
<b>07 22 16 00-0089</b>			<b>Hot-Mopped, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation</b> <i>(07 22 16 00-0082)</i>		
07 22 16 00-0090	SF		1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Hot-Mopped.....	2.18	
07 22 16 00-0091	SF		1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Hot-Mopped.....	2.28	
<b>07 22 16 00-0092</b>			<b>Hot-Mopped, Perlite, Roof Board Insulation</b> <i>(07 22 16 00-0082)</i>		
07 22 16 00-0093	SF		1/2" Thick, R1.32, Perlite, Roof Board Insulation, Hot-Mopped .....	1.72	
07 22 16 00-0094	SF		3/4" Thick, R2.08, Perlite, Roof Board Insulation, Hot-Mopped .....	1.85	
07 22 16 00-0095	SF		1" Thick, R2.78, Perlite, Roof Board Insulation, Hot-Mopped .....	2.02	
07 22 16 00-0096	SF		1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Hot-Mopped .....	2.42	
07 22 16 00-0097	SF		2" Thick, R5.56, Perlite, Roof Board Insulation, Hot-Mopped .....	2.69	
<b>07 22 16 00-0098</b>			<b>Hot-Mopped, Basalt Mineral Wool, Roof Board Insulation</b> <i>(07 22 16 00-0082)</i>		
07 22 16 00-0099	SF		1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped.....	2.24	
07 22 16 00-0100	SF		2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped.....	2.89	
07 22 16 00-0101	SF		3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped.....	3.66	
<b>07 22 16 00-0102</b>			<b>Hot-Mopped, Foam Glass (Cellular Glass), Roof Board Insulation</b> <i>(07 22 16 00-0082)</i>		
07 22 16 00-0103	SF		1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped .....	3.83	
07 22 16 00-0104	SF		2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped .....	4.46	
07 22 16 00-0105	SF		2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped .....	5.72	
07 22 16 00-0106	SF		3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped .....	10.16	

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof and Deck Insulation**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

<b>07 22 16 00-0107</b>	<b>Hot-Mopped, Molded Expanded Polystyrene, Roof Board Insulation</b> (07 22 16 00-0082)	
07 22 16 00-0108	SF 3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped.....	1.79
07 22 16 00-0109	SF 1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped.....	1.71
07 22 16 00-0110	SF 3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped.....	1.75
07 22 16 00-0111	SF 1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped.....	2.00
07 22 16 00-0112	SF 2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped.....	2.62
07 22 16 00-0113	SF 3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped.....	3.25
07 22 16 00-0114	SF 4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped.....	3.85
07 22 16 00-0115	SF 5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped.....	4.47
07 22 16 00-0116	SF 6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped.....	5.08
<b>07 22 16 00-0117</b>	<b>Hot-Mopped, Extruded Polystyrene, Roof Board Insulation</b> (07 22 16 00-0082)	
	Note: 15 PSI compressive strength.	
07 22 16 00-0118	SF 3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped.....	2.51
	For 25 PSI Compressive Strength, Add	0.22
	For 40 PSI Compressive Strength, Add	0.53
	For 60 PSI Compressive Strength, Add	0.86
	For 115 PSI Compressive Strength, Add	3.68
07 22 16 00-0119	SF 1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped.....	2.18
	For 25 PSI Compressive Strength, Add	0.17
	For 40 PSI Compressive Strength, Add	0.40
	For 60 PSI Compressive Strength, Add	0.67
	For 115 PSI Compressive Strength, Add	2.81
07 22 16 00-0120	SF 1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped .....	3.28
	For 25 PSI Compressive Strength, Add	0.34
	For 40 PSI Compressive Strength, Add	0.82
	For 60 PSI Compressive Strength, Add	1.30
	For 100 PSI Compressive Strength, Add	1.67
	For 115 PSI Compressive Strength, Add	5.64
07 22 16 00-0121	SF 2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped.....	3.13
	For 25 PSI Compressive Strength, Add	0.30
	For 40 PSI Compressive Strength, Add	0.70
	For 60 PSI Compressive Strength, Add	1.14
	For 115 PSI Compressive Strength, Add	4.88
07 22 16 00-0122	SF 2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped .....	15.03
	For 25 PSI Compressive Strength, Add	0.55
	For 40 PSI Compressive Strength, Add	1.30
	For 60 PSI Compressive Strength, Add	2.56
	For 100 PSI Compressive Strength, Add	3.15
	For 115 PSI Compressive Strength, Add	9.95
07 22 16 00-0123	SF 3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped.....	3.85
	For 25 PSI Compressive Strength, Add	0.42
	For 40 PSI Compressive Strength, Add	1.01
	For 60 PSI Compressive Strength, Add	1.60
	For 115 PSI Compressive Strength, Add	6.93
07 22 16 00-0124	SF 4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped.....	4.27
	For 25 PSI Compressive Strength, Add	0.49
	For 40 PSI Compressive Strength, Add	1.16
	For 60 PSI Compressive Strength, Add	1.83
	For 115 PSI Compressive Strength, Add	7.96
<b>07 22 16 00-0125</b>	<b>Hot-Mopped, Polyisocyanurate Board Roofing Insulation</b> (07 22 16 00-0082)	
07 22 16 00-0126	SF 3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Hot-Mopped .....	2.24
	For Foil Facer, Add	0.36
	For 25 PSI Compressive Strength, Add	0.11
07 22 16 00-0127	SF 1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Hot-Mopped .....	2.33
	For Foil Facer, Add	0.36
	For 25 PSI Compressive Strength, Add	0.12
07 22 16 00-0128	SF 1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Hot-Mopped .....	2.47
	For Foil Facer, Add	0.36
	For 25 PSI Compressive Strength, Add	0.13
07 22 16 00-0129	SF 2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped .....	2.85
	For Foil Facer, Add	0.36
	For 25 PSI Compressive Strength, Add	0.17
07 22 16 00-0130	SF 2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped .....	3.23
	For Foil Facer, Add	0.36
	For 25 PSI Compressive Strength, Add	0.20
07 22 16 00-0131	SF 3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped .....	3.60
	For Foil Facer, Add	0.36
	For 25 PSI Compressive Strength, Add	0.24
07 22 16 00-0132	SF 3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Hot-Mopped .....	3.88
	For Foil Facer, Add	0.36
	For 25 PSI Compressive Strength, Add	0.28
07 22 16 00-0133	SF 4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Hot-Mopped .....	4.36
	For Foil Facer, Add	0.36
	For 25 PSI Compressive Strength, Add	0.31
<b>07 22 16 00-0134</b>	<b>Hot-Mopped, Gypsum-Fiber, Roof Board Insulation (USG Securock)</b> (07 22 16 00-0082)	
07 22 16 00-0135	SF 1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped.....	2.44
07 22 16 00-0136	SF 3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped.....	2.59
07 22 16 00-0137	SF 1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped.....	2.70
07 22 16 00-0138	SF 5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped.....	2.75

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 22 16 00-0139			<b>Hot-Mopped, Glass-Mat, Roof Board Insulation (USG Securock)</b> (07 22 16 00-0082)		
07 22 16 00-0140	SF		1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped.....	2.39	
07 22 16 00-0141	SF		1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped.....	2.62	
07 22 16 00-0142	SF		5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped.....	2.67	

07 22 16 00-0143			<b>Mechanically Fastened Rigid Board Roofing Insulation</b> (07 22 16 00-0001)		
			Note: Mechanically fastened to wood or steel.		

07 22 16 00-0144			<b>Mechanically Fastened, High-Density Fiberboard, Roof Board Insulation</b> (07 22 16 00-0143)		
			Note: Mechanically fastened to wood or steel.		

07 22 16 00-0145	SF		1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened.....	1.75	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.44	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.75	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.50	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.10	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.04	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.97	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.07	
07 22 16 00-0146	SF		25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened.....	2.00	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.44	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.75	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.50	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.13	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.04	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.00	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.07	
07 22 16 00-0147	SF		1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened.....	2.26	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.44	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.75	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.50	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.15	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.04	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.02	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.07	
07 22 16 00-0148	SF		1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened.....	2.78	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.48	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.75	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.63	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.82	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.04	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.95	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.75	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.07	
07 22 16 00-0149	SF		2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened.....	3.24	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.48	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.71	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.63	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.82	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.06	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.95	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.75	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.09	

07 22 16 00-0150			<b>Mechanically Fastened, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation</b> (07 22 16 00-0143)		
			Note: Mechanically fastened to wood or steel.		

07 22 16 00-0151	SF		1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Mechanically Fastened.....	2.09	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.44	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.75	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.50	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.15	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.04	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.02	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.07	
07 22 16 00-0152	SF		1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Mechanically Fastened.....	2.19	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.44	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.75	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.50	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.15	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.04	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.02	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.07	

07 22 16 00-0153			<b>Mechanically Fastened, Perlite, Roof Board Insulation</b> (07 22 16 00-0143)		
			Note: Mechanically fastened to wood or steel.		

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 22 16 00-0154	SF 1/2" Thick, R1.32, Perlite, Roof Board Insulation, Mechanically Fastened.....	1.66
	<i>For Mechanically Fastened To Concrete, Add</i>	1.44
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.75
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.50
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.06
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.04
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.76
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.93
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.07
07 22 16 00-0155	SF 3/4" Thick, R2.08, Perlite, Roof Board Insulation, Mechanically Fastened.....	1.79
	<i>For Mechanically Fastened To Concrete, Add</i>	1.44
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.75
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.50
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.06
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.04
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.76
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.93
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.07
07 22 16 00-0156	SF 1" Thick, R2.78, Perlite, Roof Board Insulation, Mechanically Fastened.....	1.96
	<i>For Mechanically Fastened To Concrete, Add</i>	1.44
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.75
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.50
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.06
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.04
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.76
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.93
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.07
07 22 16 00-0157	SF 1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Mechanically Fastened.....	2.41
	<i>For Mechanically Fastened To Concrete, Add</i>	1.48
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.75
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.63
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.82
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.04
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.95
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.75
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.07
07 22 16 00-0158	SF 2" Thick, R5.56, Perlite, Roof Board Insulation, Mechanically Fastened.....	2.67
	<i>For Mechanically Fastened To Concrete, Add</i>	1.48
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.71
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.63
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.82
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.06
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.95
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.75
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.09
07 22 16 00-0159	<b>Mechanically Fastened, Basalt Mineral Wool, Roof Board Insulation</b> (07 22 16 00-0143)	
	Note: Mechanically fastened to wood or steel.	
07 22 16 00-0160	SF 1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened.....	2.18
	<i>For Mechanically Fastened To Concrete, Add</i>	1.44
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.75
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.50
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.06
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.04
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.76
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.93
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.07
07 22 16 00-0161	SF 2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened.....	2.87
	<i>For Mechanically Fastened To Concrete, Add</i>	1.48
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.71
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.63
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.82
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.06
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.95
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.75
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.09
07 22 16 00-0162	SF 3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened.....	3.69
	<i>For Mechanically Fastened To Concrete, Add</i>	1.52
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.77
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.72
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.28
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.21
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.08
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.25
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.27
07 22 16 00-0163	<b>Mechanically Fastened, Foam Glass (Cellular Glass), Roof Board Insulation</b> (07 22 16 00-0143)	
	Note: Mechanically fastened to wood or steel.	
07 22 16 00-0164	SF 1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened.....	3.82
	<i>For Mechanically Fastened To Concrete, Add</i>	1.48
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.75
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.63
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.82
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.04
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.95
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.75
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.07

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 22 16 00-0165	SF	2"	Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened.....	4.44	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.48	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.71	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.63	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.82	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.06	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.95	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.75	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.09	
07 22 16 00-0166	SF	2-3/4"	Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened.....	5.74	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.52	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.77	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.72	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.28	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.21	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.08	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.25	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.27	
07 22 16 00-0167	SF	3-1/2"	Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened.....	10.27	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.56	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.74	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.84	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.05	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.59	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.27	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.09	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.73	

**07 22 16 00-0168 Mechanically Fastened, Molded Expanded Polystyrene, Roof Board Insulation**

(07 22 16 00-0143)

Note: Mechanically fastened to wood or steel.

07 22 16 00-0169	SF	3/8"	Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	1.73	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.44	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.75	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.50	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.07	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.04	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.94	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.07	
07 22 16 00-0170	SF	1/2"	Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	1.64	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.44	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.75	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.50	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.07	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.04	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.94	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.07	
07 22 16 00-0171	SF	3/4"	Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	1.79	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.44	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.75	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.50	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.07	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.04	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.94	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.07	
07 22 16 00-0172	SF	1"	Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	1.95	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.44	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.75	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.50	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.07	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.04	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.94	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.07	
07 22 16 00-0173	SF	2"	Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	2.61	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.48	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.71	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.63	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.82	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.06	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.95	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.75	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.09	
07 22 16 00-0174	SF	3"	Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	3.27	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.52	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.77	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.72	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.29	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.21	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.08	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.26	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.27	

## 07 Thermal And Moisture Protection

## 07 20 Thermal Protection

## 07 22 Roof and Deck Insulation

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 22 16 00-0175	SF 4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	3.97
	<i>For Mechanically Fastened To Concrete, Add</i>	1.56
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.79
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.84
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.05
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.28
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.27
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.09
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.44
07 22 16 00-0176	SF 5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	4.69
	<i>For Mechanically Fastened To Concrete, Add</i>	1.61
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.79
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.00
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.21
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.78
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.49
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.32
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.98
07 22 16 00-0177	SF 6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	5.84
	<i>For Mechanically Fastened To Concrete, Add</i>	1.65
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.57
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.42
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.64
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.95
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.13
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.98
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.24
07 22 16 00-0178	<b>Mechanically Fastened, Extruded Polystyrene, Roof Board Insulation</b> <small>(07 22 16 00-0143)</small>	
	Note: 15 PSI compressive strength. Mechanically fastened to wood or steel.	
07 22 16 00-0179	SF 3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	2.45
	<i>For 25 PSI Compressive Strength, Add</i>	0.23
	<i>For 40 PSI Compressive Strength, Add</i>	0.54
	<i>For 60 PSI Compressive Strength, Add</i>	0.88
	<i>For 115 PSI Compressive Strength, Add</i>	3.78
	<i>For Mechanically Fastened To Concrete, Add</i>	1.44
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.75
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.50
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.06
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.04
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.76
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.93
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.07
07 22 16 00-0180	SF 1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	2.12
	<i>For 25 PSI Compressive Strength, Add</i>	0.17
	<i>For 40 PSI Compressive Strength, Add</i>	0.41
	<i>For 60 PSI Compressive Strength, Add</i>	0.68
	<i>For 115 PSI Compressive Strength, Add</i>	2.90
	<i>For Mechanically Fastened To Concrete, Add</i>	1.44
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.75
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.50
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.06
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.04
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.76
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.93
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.07
07 22 16 00-0181	SF 1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	3.27
	<i>For 25 PSI Compressive Strength, Add</i>	0.36
	<i>For 40 PSI Compressive Strength, Add</i>	0.85
	<i>For 60 PSI Compressive Strength, Add</i>	1.35
	<i>For 100 PSI Compressive Strength, Add</i>	1.73
	<i>For 115 PSI Compressive Strength, Add</i>	5.86
	<i>For Mechanically Fastened To Concrete, Add</i>	1.48
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.75
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.63
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.82
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.04
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.95
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.75
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.07
07 22 16 00-0182	SF 2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	2.99
	<i>For 25 PSI Compressive Strength, Add</i>	0.31
	<i>For 40 PSI Compressive Strength, Add</i>	0.74
	<i>For 60 PSI Compressive Strength, Add</i>	1.18
	<i>For 115 PSI Compressive Strength, Add</i>	5.09
	<i>For Mechanically Fastened To Concrete, Add</i>	1.48
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.71
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.63
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.82
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.06
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.95
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.75
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.09



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0183	SF	2-1/2"	Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened ..... 4.61		
			<i>For 25 PSI Compressive Strength, Add</i>	0.57	
			<i>For 40 PSI Compressive Strength, Add</i>	1.35	
			<i>For 60 PSI Compressive Strength, Add</i>	2.12	
			<i>For 100 PSI Compressive Strength, Add</i>	2.72	
			<i>For 115 PSI Compressive Strength, Add</i>	9.25	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.52	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.74	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.72	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.27	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.14	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.08	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.24	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.22	
07 22 16 00-0184	SF	3"	Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened ..... 3.87		
			<i>For 25 PSI Compressive Strength, Add</i>	0.45	
			<i>For 40 PSI Compressive Strength, Add</i>	1.06	
			<i>For 60 PSI Compressive Strength, Add</i>	1.67	
			<i>For 115 PSI Compressive Strength, Add</i>	7.28	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.52	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.77	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.72	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.28	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.21	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.08	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.25	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.27	
07 22 16 00-0185	SF	4"	Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened ..... 4.39		
			<i>For 25 PSI Compressive Strength, Add</i>	0.52	
			<i>For 40 PSI Compressive Strength, Add</i>	1.25	
			<i>For 60 PSI Compressive Strength, Add</i>	1.96	
			<i>For 115 PSI Compressive Strength, Add</i>	8.54	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.56	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.79	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.84	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.05	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.28	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.27	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.09	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.44	
07 22 16 00-0186	<b>Mechanically Fastened, Polyisocyanurate Board Roofing Insulation</b> (0722 16 00-0143)				
	Note: Mechanically fastened to wood or steel.				
07 22 16 00-0187	SF	3/4"	Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened ..... 2.18		
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.12	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.44	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.75	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.50	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.06	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.04	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.93	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.07	
07 22 16 00-0188	SF	1"	Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened ..... 2.27		
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.12	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.44	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.75	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.50	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.06	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.04	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.93	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.07	
07 22 16 00-0189	SF	1-1/2"	Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened ..... 2.46		
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.14	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.48	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.75	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.63	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.82	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.04	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.95	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.75	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.07	
07 22 16 00-0190	SF	2"	Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened ..... 2.83		
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.18	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.48	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.71	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.63	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.82	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.06	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.95	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.75	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.09	

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof and Deck Insulation**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

07 22 16 00-0191	SF	2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened .....	3.26
		<i>For Foil Facer, Add</i>	0.36
		<i>For 25 PSI Compressive Strength, Add</i>	0.22
		<i>For Mechanically Fastened To Concrete, Add</i>	1.52
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.74
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.72
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.27
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.14
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.08
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.24
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.22
07 22 16 00-0192	SF	3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened .....	3.63
		<i>For Foil Facer, Add</i>	0.36
		<i>For 25 PSI Compressive Strength, Add</i>	0.26
		<i>For Mechanically Fastened To Concrete, Add</i>	1.52
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.77
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.72
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.28
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.21
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.08
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.25
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.27
07 22 16 00-0193	SF	3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened .....	4.12
		<i>For Foil Facer, Add</i>	0.36
		<i>For 25 PSI Compressive Strength, Add</i>	0.30
		<i>For Mechanically Fastened To Concrete, Add</i>	1.56
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.74
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.84
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.05
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.59
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.27
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.09
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.73
07 22 16 00-0194	SF	4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened .....	4.48
		<i>For Foil Facer, Add</i>	0.36
		<i>For 25 PSI Compressive Strength, Add</i>	0.34
		<i>For Mechanically Fastened To Concrete, Add</i>	1.56
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.79
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.84
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.05
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.28
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.27
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.09
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.44

**07 22 16 00-0195 Mechanically Fastened, High-Density Polyisocyanurate Cover Board And Roofing Insulation**

(07 22 16 00-0143)

Note: Mechanically fastened to wood or steel.

07 22 16 00-0196	SF	1/2" Thick, R2.5, High-Density Polyisocyanurate Cover Board And Roofing Insulation, Mechanically Fastened .....	2.50
		<i>For Mechanically Fastened To Concrete, Add</i>	1.44
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.75
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.50
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.10
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.04
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.76
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.97
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.07

**07 22 16 00-0197 Mechanically Fastened, Gypsum-Fiber, Roof Board Insulation (USG Securock)**

(07 22 16 00-0143)

Note: Mechanically fastened to wood or steel.

07 22 16 00-0198	SF	1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened.....	2.36
		<i>For Mechanically Fastened To Concrete, Add</i>	1.44
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.75
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.50
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.10
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.04
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.76
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.97
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.07
07 22 16 00-0199	SF	3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened.....	2.51
		<i>For Mechanically Fastened To Concrete, Add</i>	1.44
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.75
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.50
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.10
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.04
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.76
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.97
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.07
07 22 16 00-0200	SF	1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened.....	2.62
		<i>For Mechanically Fastened To Concrete, Add</i>	1.44
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.75
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.50
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.10
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.04
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.76
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.97
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.07

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 22 16 00-0201	SF	5/8"	Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened.....	2.67	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.44	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.75	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.50	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.10	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.04	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.97	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.07	

**07 22 16 00-0202 Mechanically Fastened, Glass-Mat, Roof Board Insulation (USG Securock)**

(07 22 16 00-0143)

Note: Mechanically fastened to wood or steel.

07 22 16 00-0203	SF	1/4"	Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened.....	2.31	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.44	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.75	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.50	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.10	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.04	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.97	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.07	

07 22 16 00-0204	SF	1/2"	Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened.....	2.54	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.44	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.75	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.50	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.10	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.04	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.97	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.07	

07 22 16 00-0205	SF	5/8"	Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened.....	2.59	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.44	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.75	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.50	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.10	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.04	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.97	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.07	

**07 22 16 00-0206 Mechanically Fastened, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation**

(07 22 16 00-0143)

Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer. Mechanically fastened to wood or steel.

07 22 16 00-0207	SF	1.5"	Thick, R6.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened.....	4.21	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.48	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.75	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.63	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.82	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.06	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.95	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.75	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.09	

07 22 16 00-0208	SF	2"	Thick, R9.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened.....	4.42	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.48	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.71	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.63	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.82	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.06	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.95	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.75	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.09	

07 22 16 00-0209	SF	2.5"	Thick, R12.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened.....	4.76	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.52	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.74	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.72	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.44	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.14	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.08	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.41	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.22	

07 22 16 00-0210	SF	3"	Thick, R15.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened.....	4.95	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.52	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.77	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.72	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.44	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.21	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.08	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.41	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.27	

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 22 16 00-0211	SF	3.5" Thick, R18.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened.....	5.47
		<i>For Mechanically Fastened To Concrete, Add</i>	1.56
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.74
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.84
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.05
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.76
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.27
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.09
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.90
07 22 16 00-0212	SF	4" Thick, R21.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened.....	5.65
		<i>For Mechanically Fastened To Concrete, Add</i>	1.56
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.79
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.84
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.05
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.28
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.27
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.09
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.44
07 22 16 00-0213	SF	4.5" Thick, R24.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened.....	6.06
		<i>For Mechanically Fastened To Concrete, Add</i>	1.61
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.79
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.00
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.21
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.97
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.49
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.32
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.17
07 22 16 00-0214		<b>Mechanically Fastened, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation</b> <small>(07 22 16 00-0143)</small>	
		Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer. Mechanically fastened to wood or steel.	
07 22 16 00-0215	SF	2.5" Thick, R5.7, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	4.30
		<i>For Mechanically Fastened To Concrete, Add</i>	1.52
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.74
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.72
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.43
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.14
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.08
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.40
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.22
07 22 16 00-0216	SF	3" Thick, R8.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	4.68
		<i>For Mechanically Fastened To Concrete, Add</i>	1.52
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.77
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.72
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.43
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.21
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.08
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.40
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.27
07 22 16 00-0217	SF	3.5" Thick, R11.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	5.22
		<i>For Mechanically Fastened To Concrete, Add</i>	1.56
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.74
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.84
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.05
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.75
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.27
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.09
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.89
07 22 16 00-0218	SF	4" Thick, R14.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	5.52
		<i>For Mechanically Fastened To Concrete, Add</i>	1.56
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.79
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.84
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.05
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.28
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.27
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.09
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.44
07 22 16 00-0219	SF	4.5" Thick, R17.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	6.01
		<i>For Mechanically Fastened To Concrete, Add</i>	1.61
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.79
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.00
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.21
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.92
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.49
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.32
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.12

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 22 16 00-0220	SF		5" Thick, R20.5, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	6.41	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.61	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.79	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.00	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.21	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.93	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.49	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.32	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.13	
07 22 16 00-0221	SF		5.5" Thick, R23.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	7.55	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.65	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.57	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.42	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.64	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	3.13	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.13	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.98	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.42	
07 22 16 00-0222			<b>Rigid Board Tapered Roofing Insulation</b> (07 22 16)		
			Note: Includes tapered board and filler board required to maintain slope starting at 1/2" minimum thickness. Excludes base layer of board, if required. Average thickness and average R-value of tapered system excludes thickness and R-value of base layer insulation and/or cover board.		
07 22 16 00-0223			<b>Cold Adhesive Applied Rigid Board Tapered Roofing Insulation</b> (07 22 16 00-0222)		
07 22 16 00-0224			<b>Cold Adhesive Applied, Tapered Polyisocyanurate Board</b> (07 22 16 00-0223)		
			Note: Includes polyurethane adhesive.		
07 22 16 00-0225			<b>Cold Adhesive Applied, 1/8" Slope, Tapered Polyisocyanurate Board</b> (07 22 16 00-0224)		
07 22 16 00-0226	SF		2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied .....	4.30	
			<i>For 25 PSI Compressive Strength, Add</i>	0.28	
07 22 16 00-0227	SF		2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied .....	6.03	
			<i>For 25 PSI Compressive Strength, Add</i>	0.33	
07 22 16 00-0228	SF		3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied .....	6.52	
			<i>For 25 PSI Compressive Strength, Add</i>	0.37	
07 22 16 00-0229	SF		3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied .....	7.00	
			<i>For 25 PSI Compressive Strength, Add</i>	0.42	
07 22 16 00-0230	SF		4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied .....	7.49	
			<i>For 25 PSI Compressive Strength, Add</i>	0.47	
07 22 16 00-0231	SF		4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied .....	9.24	
			<i>For 25 PSI Compressive Strength, Add</i>	0.52	
07 22 16 00-0232	SF		5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied .....	9.73	
			<i>For 25 PSI Compressive Strength, Add</i>	0.57	
07 22 16 00-0233	SF		5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied .....	10.22	
			<i>For 25 PSI Compressive Strength, Add</i>	0.62	
07 22 16 00-0234	SF		6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied .....	10.70	
			<i>For 25 PSI Compressive Strength, Add</i>	0.67	
07 22 16 00-0235	SF		6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied .....	12.44	
			<i>For 25 PSI Compressive Strength, Add</i>	0.72	
07 22 16 00-0236			<b>Cold Adhesive Applied, 1/4" Slope, Tapered Polyisocyanurate Board</b> (07 22 16 00-0224)		
07 22 16 00-0237	SF		2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied .....	4.05	
			<i>For 25 PSI Compressive Strength, Add</i>	0.25	
07 22 16 00-0238	SF		3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied .....	6.27	
			<i>For 25 PSI Compressive Strength, Add</i>	0.35	
07 22 16 00-0239	SF		4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied .....	7.25	
			<i>For 25 PSI Compressive Strength, Add</i>	0.45	
07 22 16 00-0240	SF		5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied .....	9.48	
			<i>For 25 PSI Compressive Strength, Add</i>	0.55	
07 22 16 00-0241	SF		6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied .....	10.46	
			<i>For 25 PSI Compressive Strength, Add</i>	0.64	
07 22 16 00-0242	SF		7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied .....	12.68	
			<i>For 25 PSI Compressive Strength, Add</i>	0.74	
07 22 16 00-0243			<b>Cold Adhesive Applied, 1/2" Slope, Tapered Polyisocyanurate Board</b> (07 22 16 00-0224)		

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 22 16 00-0244	SF	3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	6.76	
		<i>For 25 PSI Compressive Strength, Add</i>	0.40	
07 22 16 00-0245	SF	5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	9.97	
		<i>For 25 PSI Compressive Strength, Add</i>	0.60	
07 22 16 00-0246	SF	7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	13.17	
		<i>For 25 PSI Compressive Strength, Add</i>	0.79	
07 22 16 00-0247	SF	9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	16.37	
		<i>For 25 PSI Compressive Strength, Add</i>	0.99	
<b>07 22 16 00-0248</b>		<b>Cold Adhesive Applied, Tapered Expanded Polystyrene Board (EPS)</b> <small>(07 22 16 00-0223)</small>		
		Note: Includes polyurethane adhesive.		
<b>07 22 16 00-0249</b>		<b>Cold Adhesive Applied, 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)</b> <small>(07 22 16 00-0248)</small>		
07 22 16 00-0250	SF	2.25" Average Thickness (10.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	3.75	
07 22 16 00-0251	SF	2.75" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	5.49	
07 22 16 00-0252	SF	3.25" Average Thickness (14.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	5.85	
07 22 16 00-0253	SF	3.75" Average Thickness (16.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	6.22	
07 22 16 00-0254	SF	4.25" Average Thickness (19.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	6.58	
07 22 16 00-0255	SF	4.75" Average Thickness (21.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	8.34	
07 22 16 00-0256	SF	5.25" Average Thickness (23.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	8.70	
07 22 16 00-0257	SF	5.75" Average Thickness (25.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	9.07	
07 22 16 00-0258	SF	6.25" Average Thickness (28.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	9.43	
07 22 16 00-0259	SF	6.75" Average Thickness (30.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	11.17	
<b>07 22 16 00-0260</b>		<b>Cold Adhesive Applied, 1/4" Slope, Tapered Expanded Polystyrene Board (EPS)</b> <small>(07 22 16 00-0248)</small>		
07 22 16 00-0261	SF	2" Average Thickness (9 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	3.56	
07 22 16 00-0262	SF	3" Average Thickness (13.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	5.67	
07 22 16 00-0263	SF	4" Average Thickness (18 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	6.40	
07 22 16 00-0264	SF	5" Average Thickness (22.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	8.52	
07 22 16 00-0265	SF	6" Average Thickness (27 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	9.25	
07 22 16 00-0266	SF	7" Average Thickness (31.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	11.36	
<b>07 22 16 00-0267</b>		<b>Cold Adhesive Applied, 1/2" Slope, Tapered Expanded Polystyrene Board (EPS)</b> <small>(07 22 16 00-0248)</small>		
07 22 16 00-0268	SF	3.5" Average Thickness (15.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	6.04	
07 22 16 00-0269	SF	5.5" Average Thickness (24.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	8.89	
07 22 16 00-0270	SF	7.5" Average Thickness (33.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	11.72	
07 22 16 00-0271	SF	9.5" Average Thickness (42.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	14.93	
<b>07 22 16 00-0272</b>		<b>Cold Adhesive Applied, Tapered Extruded Polystyrene Board (XEPS)</b> <small>(07 22 16 00-0223)</small>		
		Note: Includes polyurethane adhesive.		
<b>07 22 16 00-0273</b>		<b>Cold Adhesive Applied, 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS)</b> <small>(07 22 16 00-0272)</small>		
07 22 16 00-0274	SF	2.25" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	4.19	
07 22 16 00-0275	SF	2.75" Average Thickness (15.125 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	5.92	
07 22 16 00-0276	SF	3.25" Average Thickness (17.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	6.38	
07 22 16 00-0277	SF	3.75" Average Thickness (20.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	6.85	
07 22 16 00-0278	SF	4.25" Average Thickness (23.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	7.31	
07 22 16 00-0279	SF	4.75" Average Thickness (26.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	9.06	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0280	SF		5.25" Average Thickness (28.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied .....	9.52	
07 22 16 00-0281	SF		5.75" Average Thickness (31.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied .....	9.99	
07 22 16 00-0282	SF		6.25" Average Thickness (34.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied .....	10.45	
07 22 16 00-0283	SF		6.75" Average Thickness (37.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied .....	12.18	
<b>07 22 16 00-0284</b>			<b>Cold Adhesive Applied, 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS)</b> <small>(07 22 16 00-0272)</small>		
07 22 16 00-0285	SF		2" Average Thickness (11 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	3.95	
07 22 16 00-0286	SF		3" Average Thickness (16.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	6.15	
07 22 16 00-0287	SF		4" Average Thickness (22 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	7.08	
07 22 16 00-0288	SF		5" Average Thickness (27.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	9.29	
07 22 16 00-0289	SF		6" Average Thickness (33 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	10.22	
07 22 16 00-0290	SF		7" Average Thickness (38.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	12.41	
<b>07 22 16 00-0291</b>			<b>Cold Adhesive Applied, 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS)</b> <small>(07 22 16 00-0272)</small>		
07 22 16 00-0292	SF		3.5" Average Thickness (19.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	6.62	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.52	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.77	
07 22 16 00-0293	SF		5.5" Average Thickness (30.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	9.76	
07 22 16 00-0294	SF		7.5" Average Thickness (41.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	12.88	
07 22 16 00-0295	SF		9.5" Average Thickness (52.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	16.01	
<b>07 22 16 00-0296</b>			<b>Cold Adhesive Applied, Tapered Perlite Board</b> <small>(07 22 16 00-0223)</small>		
			Note: Includes polyurethane adhesive.		
<b>07 22 16 00-0297</b>			<b>Cold Adhesive Applied, 1/8" Slope, Tapered Perlite Board</b> <small>(07 22 16 00-0296)</small>		
07 22 16 00-0298	SF		2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied .....	5.10	
07 22 16 00-0299	SF		2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied .....	6.24	
07 22 16 00-0300	SF		3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied .....	6.97	
07 22 16 00-0301	SF		3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied .....	7.40	
07 22 16 00-0302	SF		4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied .....	8.13	
07 22 16 00-0303	SF		4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied .....	9.28	
07 22 16 00-0304	SF		5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied .....	10.01	
07 22 16 00-0305	SF		5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied .....	10.44	
07 22 16 00-0306	SF		6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied .....	11.17	
07 22 16 00-0307	SF		6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied .....	12.31	
<b>07 22 16 00-0308</b>			<b>Cold Adhesive Applied, 1/4" Slope, Tapered Perlite Board</b> <small>(07 22 16 00-0296)</small>		
07 22 16 00-0309	SF		2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied .....	4.73	
07 22 16 00-0310	SF		3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied .....	6.61	
07 22 16 00-0311	SF		4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied .....	7.77	
07 22 16 00-0312	SF		5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied .....	9.64	
07 22 16 00-0313	SF		6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied .....	10.80	
07 22 16 00-0314	SF		7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied .....	12.68	
<b>07 22 16 00-0315</b>			<b>Cold Adhesive Applied, 1/2" Slope, Tapered Perlite Board</b> <small>(07 22 16 00-0296)</small>		
07 22 16 00-0316	SF		3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied .....	7.34	
07 22 16 00-0317	SF		5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied .....	10.38	
07 22 16 00-0318	SF		7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied .....	13.41	
07 22 16 00-0319	SF		9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied .....	16.44	
<b>07 22 16 00-0320</b>			<b>Hot-Mopped Rigid Board Tapered Roofing Insulation</b> <small>(07 22 16 00-0222)</small>		
<b>07 22 16 00-0321</b>			<b>Hot-Mopped, Tapered Polyisocyanurate Board</b> <small>(07 22 16 00-0320)</small>		
<b>07 22 16 00-0322</b>			<b>Hot-Mopped, 1/8" Slope, Tapered Polyisocyanurate Board</b> <small>(07 22 16 00-0321)</small>		
07 22 16 00-0323	SF		2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	3.99	
			<i>For 25 PSI Compressive Strength, Add</i>	0.25	
07 22 16 00-0324	SF		2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	5.74	
			<i>For 25 PSI Compressive Strength, Add</i>	0.27	
07 22 16 00-0325	SF		3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	6.23	
			<i>For 25 PSI Compressive Strength, Add</i>	0.32	
07 22 16 00-0326	SF		3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	6.43	
			<i>For 25 PSI Compressive Strength, Add</i>	0.37	

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof and Deck Insulation**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

07 22 16 00-0327	SF	4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	7.20	
		<i>For 25 PSI Compressive Strength, Add</i>	0.41	
07 22 16 00-0328	SF	4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	8.80	
		<i>For 25 PSI Compressive Strength, Add</i>	0.44	
07 22 16 00-0329	SF	5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	9.29	
		<i>For 25 PSI Compressive Strength, Add</i>	0.49	
07 22 16 00-0330	SF	5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	9.78	
		<i>For 25 PSI Compressive Strength, Add</i>	0.54	
07 22 16 00-0331	SF	6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	10.27	
		<i>For 25 PSI Compressive Strength, Add</i>	0.58	
07 22 16 00-0332	SF	6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	11.85	
		<i>For 25 PSI Compressive Strength, Add</i>	0.61	
<b>07 22 16 00-0333</b>		<b>Hot-Mopped, 1/4" Slope, Tapered Polyisocyanurate Board</b> <small>(07 22 16 00-0321)</small>		
07 22 16 00-0334	SF	2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	3.90	
		<i>For 25 PSI Compressive Strength, Add</i>	0.22	
07 22 16 00-0335	SF	3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	5.98	
		<i>For 25 PSI Compressive Strength, Add</i>	0.29	
07 22 16 00-0336	SF	4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	6.96	
		<i>For 25 PSI Compressive Strength, Add</i>	0.39	
07 22 16 00-0337	SF	5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	9.05	
		<i>For 25 PSI Compressive Strength, Add</i>	0.46	
07 22 16 00-0338	SF	6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	10.02	
		<i>For 25 PSI Compressive Strength, Add</i>	0.56	
07 22 16 00-0339	SF	7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	12.09	
		<i>For 25 PSI Compressive Strength, Add</i>	0.63	
<b>07 22 16 00-0340</b>		<b>Hot-Mopped, 1/2" Slope, Tapered Polyisocyanurate Board</b> <small>(07 22 16 00-0321)</small>		
07 22 16 00-0341	SF	3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	6.47	
		<i>For 25 PSI Compressive Strength, Add</i>	0.34	
07 22 16 00-0342	SF	5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	9.54	
		<i>For 25 PSI Compressive Strength, Add</i>	0.51	
07 22 16 00-0343	SF	7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	12.58	
		<i>For 25 PSI Compressive Strength, Add</i>	0.68	
07 22 16 00-0344	SF	9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	15.65	
		<i>For 25 PSI Compressive Strength, Add</i>	0.85	
<b>07 22 16 00-0345</b>		<b>Hot-Mopped, Tapered Perlite Board</b> <small>(07 22 16 00-0320)</small>		
<b>07 22 16 00-0346</b>		<b>Hot-Mopped, 1/8" Slope, Tapered Perlite Board</b> <small>(07 22 16 00-0345)</small>		
07 22 16 00-0347	SF	2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	4.43	
07 22 16 00-0348	SF	2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	5.95	
07 22 16 00-0349	SF	3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	6.69	
07 22 16 00-0350	SF	3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	6.59	
07 22 16 00-0351	SF	4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	7.33	
07 22 16 00-0352	SF	4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	8.84	
07 22 16 00-0353	SF	5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	9.58	
07 22 16 00-0354	SF	5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	9.48	
07 22 16 00-0355	SF	6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	10.21	
07 22 16 00-0356	SF	6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	11.73	
<b>07 22 16 00-0357</b>		<b>Hot-Mopped, 1/4" Slope, Tapered Perlite Board</b> <small>(07 22 16 00-0345)</small>		
07 22 16 00-0358	SF	2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	4.06	
07 22 16 00-0359	SF	3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	6.32	
07 22 16 00-0360	SF	4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	6.96	
07 22 16 00-0361	SF	5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	9.21	
07 22 16 00-0362	SF	6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	9.85	
07 22 16 00-0363	SF	7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	12.10	
<b>07 22 16 00-0364</b>		<b>Hot-Mopped, 1/2" Slope, Tapered Perlite Board</b> <small>(07 22 16 00-0345)</small>		
07 22 16 00-0365	SF	3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped.....	7.05	
07 22 16 00-0366	SF	5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped.....	9.94	
07 22 16 00-0367	SF	7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped.....	64.89	
07 22 16 00-0368	SF	9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped.....	15.72	
<b>07 22 16 00-0369</b>		<b>Mechanically Fastened Tapered Roofing Insulation</b> <small>(07 22 16 00-0222)</small>		
		Note: Mechanically fastened to wood or steel. Includes tapered board and filler board required to maintain slope starting at 1/2" minimum thickness. Excludes base layer of board, if required. Average thickness and average R-value of tapered system excludes thickness and R-value of base layer insulation and/or coverboard.		
<b>07 22 16 00-0370</b>		<b>Mechanically Fastened, Tapered Polyisocyanurate Board</b> <small>(07 22 16 00-0369)</small>		
		Note: Mechanically fastened to wood or steel.		
<b>07 22 16 00-0371</b>		<b>Mechanically Fastened, 1/8" Slope, Tapered Polyisocyanurate Board</b> <small>(07 22 16 00-0370)</small>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0372	SF		2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	4.08	
			<i>For 25 PSI Compressive Strength, Add</i>	0.25	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.48	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.70	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.63	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.82	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.04	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.95	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.75	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.07	
07 22 16 00-0373	SF		2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	5.34	
			<i>For 25 PSI Compressive Strength, Add</i>	0.26	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.52	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.74	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.72	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.92	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.14	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.08	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.89	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.22	
07 22 16 00-0374	SF		3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	5.83	
			<i>For 25 PSI Compressive Strength, Add</i>	0.31	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.52	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.77	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.72	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.92	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.17	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.08	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.89	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.27	
07 22 16 00-0375	SF		3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	6.41	
			<i>For 25 PSI Compressive Strength, Add</i>	0.36	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.56	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.74	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.84	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.05	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.23	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.27	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.09	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.37	
07 22 16 00-0376	SF		4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	6.90	
			<i>For 25 PSI Compressive Strength, Add</i>	0.41	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.56	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.79	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.84	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.05	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.28	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.27	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.09	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.44	
07 22 16 00-0377	SF		4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	8.23	
			<i>For 25 PSI Compressive Strength, Add</i>	0.42	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.61	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.79	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.00	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.21	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.39	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.49	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.32	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.59	
07 22 16 00-0378	SF		5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	8.72	
			<i>For 25 PSI Compressive Strength, Add</i>	0.47	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.61	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.79	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.00	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.21	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.39	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.49	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.32	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.59	
07 22 16 00-0379	SF		5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	9.60	
			<i>For 25 PSI Compressive Strength, Add</i>	0.56	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.65	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.57	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.42	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.64	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.55	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.13	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.98	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.84	

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof and Deck Insulation**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

07 22 16 00-0380	SF	6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	10.09
		<i>For 25 PSI Compressive Strength, Add</i> .....	0.61
		<i>For Mechanically Fastened To Concrete, Add</i> .....	1.65
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> .....	1.57
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> .....	1.42
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> .....	2.64
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i> .....	2.55
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> .....	2.13
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> .....	3.98
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i> .....	3.84
07 22 16 00-0381	SF	6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	11.24
		<i>For 25 PSI Compressive Strength, Add</i> .....	0.60
		<i>For Mechanically Fastened To Concrete, Add</i> .....	1.65
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> .....	1.84
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> .....	1.37
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> .....	2.59
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i> .....	2.77
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> .....	2.04
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> .....	3.89
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i> .....	4.18
07 22 16 00-0382		<b>Mechanically Fastened, 1/4" Slope, Tapered Polyisocyanurate Board</b> (0722 16 00-0370)	
07 22 16 00-0383	SF	2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	3.84
		<i>For 25 PSI Compressive Strength, Add</i> .....	0.23
		<i>For Mechanically Fastened To Concrete, Add</i> .....	1.48
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> .....	1.70
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> .....	0.63
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> .....	1.82
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i> .....	2.04
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> .....	0.95
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> .....	2.75
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i> .....	3.07
07 22 16 00-0384	SF	3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	5.59
		<i>For 25 PSI Compressive Strength, Add</i> .....	0.28
		<i>For Mechanically Fastened To Concrete, Add</i> .....	1.52
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> .....	1.74
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> .....	0.72
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> .....	1.92
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i> .....	2.14
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> .....	1.08
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> .....	2.89
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i> .....	3.22
07 22 16 00-0385	SF	4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	6.65
		<i>For 25 PSI Compressive Strength, Add</i> .....	0.39
		<i>For Mechanically Fastened To Concrete, Add</i> .....	1.56
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> .....	1.74
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> .....	0.84
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> .....	2.05
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i> .....	2.23
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> .....	1.27
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> .....	3.09
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i> .....	3.37
07 22 16 00-0386	SF	5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	8.48
		<i>For 25 PSI Compressive Strength, Add</i> .....	0.45
		<i>For Mechanically Fastened To Concrete, Add</i> .....	1.61
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> .....	1.79
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> .....	1.00
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> .....	2.21
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i> .....	2.39
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> .....	1.49
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> .....	3.32
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i> .....	3.59
07 22 16 00-0387	SF	6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	9.85
		<i>For 25 PSI Compressive Strength, Add</i> .....	0.58
		<i>For Mechanically Fastened To Concrete, Add</i> .....	1.65
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> .....	1.57
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> .....	1.42
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> .....	2.64
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i> .....	2.55
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> .....	2.13
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> .....	3.98
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i> .....	3.84
07 22 16 00-0388	SF	7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	11.48
		<i>For 25 PSI Compressive Strength, Add</i> .....	0.62
		<i>For Mechanically Fastened To Concrete, Add</i> .....	1.65
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> .....	1.84
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> .....	1.37
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> .....	2.59
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i> .....	2.77
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> .....	2.04
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> .....	3.89
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i> .....	4.18

MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

07 22 16 00-0389		<b>Mechanically Fastened, 1/2" Slope, Tapered Polyisocyanurate Board</b> <small>(07 22 16 00-0370)</small>	
07 22 16 00-0390	SF	3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	6.07
		<i>For 25 PSI Compressive Strength, Add</i>	0.33
		<i>For Mechanically Fastened To Concrete, Add</i>	1.52
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.77
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.72
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.92
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.17
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.08
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.89
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.27
07 22 16 00-0391	SF	5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	8.74
		<i>For 25 PSI Compressive Strength, Add</i>	0.47
		<i>For Mechanically Fastened To Concrete, Add</i>	1.61
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.79
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.00
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.21
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.39
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.49
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.32
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.59
07 22 16 00-0392	SF	7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	11.97
		<i>For 25 PSI Compressive Strength, Add</i>	0.67
		<i>For Mechanically Fastened To Concrete, Add</i>	1.65
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.84
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.37
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.59
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.77
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.04
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.89
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.18
07 22 16 00-0393	SF	9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	15.12
		<i>For 25 PSI Compressive Strength, Add</i>	0.86
		<i>For Mechanically Fastened To Concrete, Add</i>	1.69
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.86
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	3.09
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.80
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	4.64
07 22 16 00-0394		<b>Mechanically Fastened, Tapered Expanded Polystyrene Board (EPS)</b> <small>(07 22 16 00-0369)</small>	
		Note: Mechanically fastened to wood or steel.	
07 22 16 00-0395		<b>Mechanically Fastened, 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)</b> <small>(07 22 16 00-0394)</small>	
07 22 16 00-0396	SF	2.25" Average Thickness (10.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	3.53
		<i>For Mechanically Fastened To Concrete, Add</i>	1.48
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.70
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.63
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.82
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.04
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.95
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.75
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.07
07 22 16 00-0397	SF	2.75" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	4.80
		<i>For Mechanically Fastened To Concrete, Add</i>	1.52
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.74
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.72
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.92
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.14
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.08
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.89
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.22
07 22 16 00-0398	SF	3.25" Average Thickness (14.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	5.17
		<i>For Mechanically Fastened To Concrete, Add</i>	1.52
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.77
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.72
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.92
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.17
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.08
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.89
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.27

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof and Deck Insulation**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

07 22 16 00-0399	SF	3.75" Average Thickness (16.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	5.62
		<i>For Mechanically Fastened To Concrete, Add</i> .....	1.56
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> .....	1.74
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> .....	0.84
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> .....	2.05
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i> .....	2.23
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> .....	1.27
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> .....	3.09
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i> .....	3.37
07 22 16 00-0400	SF	4.25" Average Thickness (19.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	5.99
		<i>For Mechanically Fastened To Concrete, Add</i> .....	1.56
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> .....	1.79
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> .....	0.84
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> .....	2.05
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i> .....	2.28
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> .....	1.27
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> .....	3.09
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i> .....	3.44
07 22 16 00-0401	SF	4.75" Average Thickness (21.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	7.33
		<i>For Mechanically Fastened To Concrete, Add</i> .....	1.61
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> .....	1.79
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> .....	1.00
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> .....	2.21
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i> .....	2.39
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> .....	1.49
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> .....	3.32
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i> .....	3.59
07 22 16 00-0402	SF	5.25" Average Thickness (23.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	7.69
		<i>For Mechanically Fastened To Concrete, Add</i> .....	1.61
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> .....	1.79
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> .....	1.00
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> .....	2.21
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i> .....	2.39
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> .....	1.49
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> .....	3.32
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i> .....	3.59
07 22 16 00-0403	SF	5.75" Average Thickness (25.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	8.45
		<i>For Mechanically Fastened To Concrete, Add</i> .....	1.65
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> .....	1.57
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> .....	1.42
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> .....	2.64
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i> .....	2.55
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> .....	2.13
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> .....	3.98
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i> .....	3.84
07 22 16 00-0404	SF	6.25" Average Thickness (28.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	8.82
		<i>For Mechanically Fastened To Concrete, Add</i> .....	1.65
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> .....	1.57
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> .....	1.42
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> .....	2.64
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i> .....	2.55
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> .....	2.13
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> .....	3.98
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i> .....	3.84
07 22 16 00-0405	SF	6.75" Average Thickness (30.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	9.98
		<i>For Mechanically Fastened To Concrete, Add</i> .....	1.65
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> .....	1.84
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> .....	1.37
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> .....	2.59
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i> .....	2.77
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> .....	2.04
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> .....	3.89
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i> .....	4.18

**07 22 16 00-0406 Mechanically Fastened, 1/4" Slope, Tapered Expanded Polystyrene Board (EPS)**

07 22 16 00-0407	SF	2" Average Thickness (9 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	3.35
		<i>For Mechanically Fastened To Concrete, Add</i> .....	1.48
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> .....	1.70
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> .....	0.63
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> .....	1.82
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i> .....	2.04
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> .....	0.95
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> .....	2.75
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i> .....	3.07

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0408	SF		3" Average Thickness (13.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	4.98	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.52	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.74	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.72	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.92	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.14	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.08	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.89	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.22	
07 22 16 00-0409	SF		4" Average Thickness (18 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	5.81	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.56	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.74	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.84	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.05	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.23	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.27	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.09	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.37	
07 22 16 00-0410	SF		5" Average Thickness (22.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	7.51	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.61	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.79	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.00	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.21	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.39	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.49	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.32	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.59	
07 22 16 00-0411	SF		6" Average Thickness (27 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	8.64	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.65	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.57	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.42	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.64	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.55	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.13	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.98	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.84	
07 22 16 00-0412	SF		7" Average Thickness (31.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	10.16	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.65	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.84	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.37	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.59	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.77	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.04	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.89	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.18	
07 22 16 00-0413			<b>Mechanically Fastened, 1/2" Slope, Tapered Expanded Polystyrene Board (EPS)</b> <small>(07 22 16 00-0394)</small>		
07 22 16 00-0414	SF		3.5" Average Thickness (15.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	5.35	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.52	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.77	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.72	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.92	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.17	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.08	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.89	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.27	
07 22 16 00-0415	SF		5.5" Average Thickness (24.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	7.88	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.61	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.79	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.00	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.21	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.39	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.49	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.32	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.59	
07 22 16 00-0416	SF		7.5" Average Thickness (33.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	10.53	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.65	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.84	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.37	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.59	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.77	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.04	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.89	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.18	
07 22 16 00-0417	SF		9.5" Average Thickness (42.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	13.68	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.69	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.86	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	3.09	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.80	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	4.64	

## 07 Thermal And Moisture Protection

## 07 20 Thermal Protection

## 07 22 Roof and Deck Insulation

 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

07 22 16 00-0418	Mechanically Fastened, Tapered Extruded Polystyrene Board (XEPS) <small>(07 22 16 00-0369)</small>	
	Note: Mechanically fastened to wood or steel.	
07 22 16 00-0419	Mechanically Fastened, 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS) <small>(07 22 16 00-0418)</small>	
07 22 16 00-0420	SF 2.25" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	3.97
	For Mechanically Fastened To Concrete, Add	1.48
	For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.70
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.63
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.82
	For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.04
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.95
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.75
	For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	3.07
07 22 16 00-0421	SF 2.75" Average Thickness (15.125 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	5.23
	For Mechanically Fastened To Concrete, Add	1.52
	For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.74
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.72
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.92
	For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.14
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.08
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.89
	For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	3.22
07 22 16 00-0422	SF 3.25" Average Thickness (17.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	6.78
	For Mechanically Fastened To Concrete, Add	1.52
	For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.77
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.72
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.92
	For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.17
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.08
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.89
	For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	3.27
07 22 16 00-0423	SF 3.75" Average Thickness (20.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	6.25
	For Mechanically Fastened To Concrete, Add	1.56
	For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.74
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.84
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.05
	For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.23
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.27
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.09
	For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	3.37
07 22 16 00-0424	SF 4.25" Average Thickness (23.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	6.71
	For Mechanically Fastened To Concrete, Add	1.56
	For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.79
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.84
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.05
	For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.28
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.27
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.09
	For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	3.44
07 22 16 00-0425	SF 4.75" Average Thickness (26.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	8.05
	For Mechanically Fastened To Concrete, Add	1.61
	For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.79
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.00
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.21
	For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.39
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.49
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.32
	For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	3.59
07 22 16 00-0426	SF 5.25" Average Thickness (28.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	8.52
	For Mechanically Fastened To Concrete, Add	1.61
	For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.79
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.00
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.21
	For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.39
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.49
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.32
	For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	3.59
07 22 16 00-0427	SF 5.75" Average Thickness (31.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	9.37
	For Mechanically Fastened To Concrete, Add	1.65
	For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.57
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.42
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.64
	For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.55
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.13
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.98
	For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	3.84

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 22 16 00-0428	SF		6.25" Average Thickness (34.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	9.84	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.65	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.57	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.42	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.64	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.55	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.13	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.98	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.84	
07 22 16 00-0429	SF		6.75" Average Thickness (37.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	10.99	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.65	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.84	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.37	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.59	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.77	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.04	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.89	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.18	

**07 22 16 00-0430 Mechanically Fastened, 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS)** (07 22 16 00-0418)

07 22 16 00-0431	SF		2" Average Thickness (11 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	3.74	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.48	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.70	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.63	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.82	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.04	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.95	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.75	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.07	
07 22 16 00-0432	SF		3" Average Thickness (16.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	5.47	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.52	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.74	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.72	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.92	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.14	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.08	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.89	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.22	
07 22 16 00-0433	SF		4" Average Thickness (22 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	6.48	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.56	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.74	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.84	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.05	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.23	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.27	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.09	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.37	
07 22 16 00-0434	SF		5" Average Thickness (27.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	8.28	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.61	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.79	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.00	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.21	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.39	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.49	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.32	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.59	
07 22 16 00-0435	SF		6" Average Thickness (33 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	9.60	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.65	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.57	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.42	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.64	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.55	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.13	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.98	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.84	
07 22 16 00-0436	SF		7" Average Thickness (38.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	11.22	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.65	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.84	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.37	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.59	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.77	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.04	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.89	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.18	

**07 22 16 00-0437 Mechanically Fastened, 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS)** (07 22 16 00-0418)

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 22 16 00-0438	SF	3.5" Average Thickness (19.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	5.93
		<i>For Mechanically Fastened To Concrete, Add</i>	1.52
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.77
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.72
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.92
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.17
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.08
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.89
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.27
07 22 16 00-0439	SF	5.5" Average Thickness (30.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	8.75
		<i>For Mechanically Fastened To Concrete, Add</i>	1.61
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.79
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.00
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.21
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.39
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.49
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.32
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.59
07 22 16 00-0440	SF	7.5" Average Thickness (41.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	11.68
		<i>For Mechanically Fastened To Concrete, Add</i>	1.65
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.84
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.37
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.59
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.77
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.04
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.89
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.18
07 22 16 00-0441	SF	9.5" Average Thickness (52.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	14.61
		<i>For Mechanically Fastened To Concrete, Add</i>	1.69
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.86
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	3.09
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.80
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	4.64
07 22 16 00-0442		<b>Mechanically Fastened, Tapered Perlite Board</b> (07 22 16 00-0369)	
		Note: Mechanically fastened to wood or steel.	
07 22 16 00-0443		<b>Mechanically Fastened, 1/8" Slope, Tapered Perlite Board</b> (07 22 16 00-0442)	
07 22 16 00-0444	SF	2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	4.36
		<i>For Mechanically Fastened To Concrete, Add</i>	1.48
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.70
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.63
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.82
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.04
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.95
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.75
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.07
07 22 16 00-0445	SF	2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	5.55
		<i>For Mechanically Fastened To Concrete, Add</i>	1.52
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.74
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.72
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.92
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.14
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.08
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.89
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.22
07 22 16 00-0446	SF	3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	6.29
		<i>For Mechanically Fastened To Concrete, Add</i>	1.52
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.77
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.72
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.92
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.17
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.08
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.89
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.27
07 22 16 00-0447	SF	3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	6.28
		<i>For Mechanically Fastened To Concrete, Add</i>	1.56
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.74
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.84
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.05
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.23
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.27
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.09
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.37
07 22 16 00-0448	SF	4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	7.02
		<i>For Mechanically Fastened To Concrete, Add</i>	1.56
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.79
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.84
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.05
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.28
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.27
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.09
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.44



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0449	SF		4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	8.27	
			For Mechanically Fastened To Concrete, Add	1.61	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.79	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.00	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.21	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.39	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.49	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.32	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	3.59	
07 22 16 00-0450	SF		5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	9.00	
			For Mechanically Fastened To Concrete, Add	1.61	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.79	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.00	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.21	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.39	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.49	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.32	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	3.59	
07 22 16 00-0451	SF		5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	9.30	
			For Mechanically Fastened To Concrete, Add	1.65	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.57	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.42	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.64	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.55	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.13	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.98	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	3.84	
07 22 16 00-0452	SF		6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	10.03	
			For Mechanically Fastened To Concrete, Add	1.65	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.57	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.42	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.64	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.55	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.13	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.98	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	3.84	
07 22 16 00-0453	SF		6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	11.12	
			For Mechanically Fastened To Concrete, Add	1.65	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.84	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.37	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.59	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.77	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.04	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.89	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.18	
<b>07 22 16 00-0454</b>			<b>Mechanically Fastened, 1/4" Slope, Tapered Perlite Board (07 22 16 00-0442)</b>		
07 22 16 00-0455	SF		2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	3.99	
			For Mechanically Fastened To Concrete, Add	1.48	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.70	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.63	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.82	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.04	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.95	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.75	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	3.07	
07 22 16 00-0456	SF		3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	5.92	
			For Mechanically Fastened To Concrete, Add	1.52	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.74	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.72	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.92	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.14	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.08	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.89	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	3.22	
07 22 16 00-0457	SF		4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	6.65	
			For Mechanically Fastened To Concrete, Add	1.56	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.74	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.84	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.05	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.23	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.27	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.09	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	3.37	
07 22 16 00-0458	SF		5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	8.64	
			For Mechanically Fastened To Concrete, Add	1.61	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.79	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.00	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.21	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.39	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.49	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.32	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	3.59	

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof and Deck Insulation**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

07 22 16 00-0459	SF	6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	9.67
		<i>For Mechanically Fastened To Concrete, Add</i>	1.65
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.57
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.42
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.64
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.55
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.13
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.98
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.84
07 22 16 00-0460	SF	7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	11.49
		<i>For Mechanically Fastened To Concrete, Add</i>	1.65
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.84
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.37
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.59
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.77
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.04
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.89
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.18

**07 22 16 00-0461 Mechanically Fastened, 1/2" Slope, Tapered Perlite Board (07 22 16 00-0442)**

07 22 16 00-0462	SF	3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened.....	6.66
		<i>For Mechanically Fastened To Concrete, Add</i>	1.52
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.77
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.72
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.92
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.17
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.08
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.89
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.27
07 22 16 00-0463	SF	5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened.....	9.37
		<i>For Mechanically Fastened To Concrete, Add</i>	1.61
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.79
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.00
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.21
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.39
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.49
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.32
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.59
07 22 16 00-0464	SF	7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened.....	12.22
		<i>For Mechanically Fastened To Concrete, Add</i>	1.65
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.84
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.37
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.59
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.77
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.04
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.89
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.18
07 22 16 00-0465	SF	9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened.....	15.19
		<i>For Mechanically Fastened To Concrete, Add</i>	1.69
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.86
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	3.09
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.77
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.80
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	4.64
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.18

**07 22 16 00-0466 Demolish Rigid Board Roofing Insulation (07 22 16)**

Note: Includes removing any combination of roofing insulation systems and/or recovery board. Includes removal of any basic roof accessories and any sheet metals; except special existing conditions (mechanical equipment piping, electrical, ducts, etc.).

07 22 16 00-0467	SF	Demolish Up To 1/2" Average Thickness, Rigid Board Roofing Insulation .....	0.57
07 22 16 00-0468	SF	Demolish >1/2" To 1" Average Thickness, Rigid Board Roofing Insulation.....	0.59
07 22 16 00-0469	SF	Demolish >1" To 2" Average Thickness, Rigid Board Roofing Insulation .....	0.60
07 22 16 00-0470	SF	Demolish >2" To 3" Average Thickness, Rigid Board Roofing Insulation .....	0.63
07 22 16 00-0471	SF	Demolish >3" To 4" Average Thickness, Rigid Board Roofing Insulation .....	0.64
07 22 16 00-0472	SF	Demolish >4" To 5" Average Thickness, Rigid Board Roofing Insulation .....	0.66
07 22 16 00-0473	SF	Demolish >5" To 6" Average Thickness, Rigid Board Roofing Insulation .....	0.67
07 22 16 00-0474	SF	Demolish >6" To 7" Average Thickness, Rigid Board Roofing Insulation .....	0.69
07 22 16 00-0475	SF	Demolish >7" To 8" Average Thickness, Rigid Board Roofing Insulation .....	0.70
07 22 16 00-0476	SF	Demolish >8" To 9" Average Thickness, Rigid Board Roofing Insulation .....	0.72
07 22 16 00-0477	SF	Demolish >9" To 10" Average Thickness, Rigid Board Roofing Insulation.....	0.74
07 22 16 00-0478	SF	Demolish >10" To 11" Average Thickness, Rigid Board Roofing Insulation.....	0.76
07 22 16 00-0479	SF	Demolish >11" To 12" Average Thickness, Rigid Board Roofing Insulation.....	0.77

**07 24 Exterior Insulation and Finish Systems (07 20)****07 24 13 Polymer-Based Exterior Insulation and Finish System (07 24)**

07 24 13 00-0001	Exterior Insulation Finishing System (EIFS) (07 24 13)
07 24 13 00-0002	Insulation For Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 24 13 00-0003	SF		1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied .....	3.29	
			<i>For Up To 100, Add</i> .....	0.80	
			<i>For &gt;100 To 500, Add</i> .....	0.40	
			<i>For &gt;5,000, Deduct</i> .....	-0.16	
			<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i> .....	1.35	
			<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i> .....	2.00	
07 24 13 00-0004	SF		1-1/2" Thick, R5.78, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied .....	3.61	
			<i>For Up To 100, Add</i> .....	0.81	
			<i>For &gt;100 To 500, Add</i> .....	0.41	
			<i>For &gt;5,000, Deduct</i> .....	-0.16	
			<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i> .....	1.37	
			<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i> .....	2.01	
07 24 13 00-0005	SF		2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied .....	3.92	
			<i>For Up To 100, Add</i> .....	0.82	
			<i>For &gt;100 To 500, Add</i> .....	0.41	
			<i>For &gt;5,000, Deduct</i> .....	-0.16	
			<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i> .....	1.53	
			<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i> .....	2.13	
07 24 13 00-0006	SF		2-1/2" Thick, R9.63, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied .....	4.23	
			<i>For Up To 100, Add</i> .....	0.83	
			<i>For &gt;100 To 500, Add</i> .....	0.42	
			<i>For &gt;5,000, Deduct</i> .....	-0.17	
			<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i> .....	1.59	
			<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i> .....	2.23	
07 24 13 00-0007	SF		3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied .....	4.54	
			<i>For Up To 100, Add</i> .....	0.84	
			<i>For &gt;100 To 500, Add</i> .....	0.42	
			<i>For &gt;5,000, Deduct</i> .....	-0.17	
			<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i> .....	1.59	
			<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i> .....	2.23	
07 24 13 00-0008	SF		4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied .....	5.15	
			<i>For Up To 100, Add</i> .....	0.85	
			<i>For &gt;100 To 500, Add</i> .....	0.43	
			<i>For &gt;5,000, Deduct</i> .....	-0.17	
			<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i> .....	1.77	
			<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i> .....	2.38	
07 24 13 00-0009			<b>Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS)</b> (07 24 13 00-0001) Note: Includes applying a layer of base coat to the insulation board and fully embedding the reinforcing fabric in the wet base coat.		
07 24 13 00-0010	SF		4.3 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit S-Mesh), Embedded In A Layer Of Base Coat .....	4.81	
			<i>For Up To 100, Add</i> .....	1.60	
			<i>For &gt;100 To 500, Add</i> .....	0.80	
			<i>For &gt;5,000, Deduct</i> .....	-0.32	
07 24 13 00-0011	SF		6.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit SP-Mesh), Embedded In A Layer Of Base Coat .....	5.29	
			<i>For Up To 100, Add</i> .....	1.60	
			<i>For &gt;100 To 500, Add</i> .....	0.80	
			<i>For &gt;5,000, Deduct</i> .....	-0.32	
07 24 13 00-0012	SF		15.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit Panzer® 15), Embedded In A Layer Of Base Coat .....	6.58	
			<i>For Up To 100, Add</i> .....	1.60	
			<i>For &gt;100 To 500, Add</i> .....	0.80	
			<i>For &gt;5,000, Deduct</i> .....	-0.32	
07 24 13 00-0013	SF		20.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit Panzer® 20), Embedded In A Layer Of Base Coat .....	6.97	
			<i>For Up To 100, Add</i> .....	1.60	
			<i>For &gt;100 To 500, Add</i> .....	0.80	
			<i>For &gt;5,000, Deduct</i> .....	-0.32	
07 24 13 00-0014			<b>Base Coats For Exterior Insulation Finishing Systems (EIFS)</b> (07 24 13 00-0001)		
07 24 13 00-0015	SF		Polymer-Based, Fiber-Reinforced Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Genesis® DM) .....	2.35	
			<i>For Up To 100, Add</i> .....	0.80	
			<i>For &gt;100 To 500, Add</i> .....	0.40	
			<i>For &gt;5,000, Deduct</i> .....	-0.16	
07 24 13 00-0016	SF		Acrylic-Modified, Fiber-Reinforced Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Genesis®) .....	2.70	
			<i>For Up To 100, Add</i> .....	0.80	
			<i>For &gt;100 To 500, Add</i> .....	0.40	
			<i>For &gt;5,000, Deduct</i> .....	-0.16	
07 24 13 00-0017	SF		Water Resistant, Acrylic Co-Polymer Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Dryflex®) .....	4.62	
			<i>For Up To 100, Add</i> .....	0.80	
			<i>For &gt;100 To 500, Add</i> .....	0.40	
			<i>For &gt;5,000, Deduct</i> .....	-0.16	
07 24 13 00-0018	SF		Hydrostatic Water Resistant, Acrylic Co-Polymer Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Dryflex®) .....	6.13	
			<i>For Up To 100, Add</i> .....	0.80	
			<i>For &gt;100 To 500, Add</i> .....	0.40	
			<i>For &gt;5,000, Deduct</i> .....	-0.16	

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 24 Exterior Insulation and Finish Systems**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

07 24 13 00-0019	Finish Coats For Exterior Insulation Finishing Systems (EIFS) <small>(07 24 13 00-0001)</small>		
	Note: Includes all standard manufacturers' colors.		
07 24 13 00-0020	SF 100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit DPR Finish).....	4.04	
	For Up To 100, Add	1.60	
	For >100 To 500, Add	0.80	
	For >5,000, Deduct	-0.32	
07 24 13 00-0021	SF 100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit DPR Finish).....	4.12	
	For Up To 100, Add	1.60	
	For >100 To 500, Add	0.80	
	For >5,000, Deduct	-0.32	
07 24 13 00-0022	SF Lightweight Elastic, 100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit E™ Finish).....	4.68	
	For Up To 100, Add	1.60	
	For >100 To 500, Add	0.80	
	For >5,000, Deduct	-0.32	
07 24 13 00-0023	SF Lightweight Elastic, 100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit E™ Finish).....	5.18	
	For Up To 100, Add	1.60	
	For >100 To 500, Add	0.80	
	For >5,000, Deduct	-0.32	
07 24 13 00-0024	SF Mildew Resistant, 100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit PMR™ Finish).....	4.68	
	For Up To 100, Add	1.60	
	For >100 To 500, Add	0.80	
	For >5,000, Deduct	-0.32	
07 24 13 00-0025	SF Mildew Resistant, 100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit PMR™ Finish).....	5.18	
	For Up To 100, Add	1.60	
	For >100 To 500, Add	0.80	
	For >5,000, Deduct	-0.32	
07 24 13 00-0026	SF Flexible Elastomeric, 100% Acrylic-Based Smooth Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Weatherlastic® Smooth).....	4.20	
	For Up To 100, Add	1.60	
	For >100 To 500, Add	0.80	
	For >5,000, Deduct	-0.32	
07 24 13 00-0027	SF Flexible Elastomeric, 100% Acrylic-Based Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Weatherlastic®).....	4.72	
	For Up To 100, Add	1.60	
	For >100 To 500, Add	0.80	
	For >5,000, Deduct	-0.32	
07 24 13 00-0028	SF 100% Acrylic-Based Finish With Multi-Colored Quartz Aggregates, Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Ameristone™).....	9.16	
	For Up To 100, Add	1.60	
	For >100 To 500, Add	0.80	
	For >5,000, Deduct	-0.32	
07 24 13 00-0029	Primer And Sealers For Exterior Insulation Finishing Systems (EIFS) <small>(07 24 13 00-0001)</small>		
07 24 13 00-0030	SF 100% Acrylic-Based Primer/Adhesion Promoter For Exterior Insulation Finishing Systems (EIFS) (Dryvit Prymit®).....	1.20	
	For Up To 100, Add	0.45	
	For >100 To 500, Add	0.22	
	For >5,000, Deduct	-0.09	
07 24 13 00-0031	SF 100% Acrylic Emulsion Primer/Sealer For Exterior Insulation Finishing Systems (EIFS) (Dryvit SealClear™).....	1.23	
	For Up To 100, Add	0.45	
	For >100 To 500, Add	0.22	
	For >5,000, Deduct	-0.09	
07 24 13 00-0032	Air/Water/Vapor Barriers For Exterior Insulation Finishing Systems (EIFS) <small>(07 24 13 00-0001)</small>		
07 24 13 00-0033	SF Smooth, High Performance, Polymer-Based, Non-Cementitious Water-Resistive Membrane And Air Barrier For Exterior Insulation Finishing Systems (EIFS) (Dryvit Backstop® NT™), Per Coat.....	1.62	
	For Up To 100, Add	0.45	
	For >100 To 500, Add	0.22	
	For >5,000, Deduct	-0.09	
07 24 13 00-0034	SF Texture, High Performance, Polymer-Based, Non-Cementitious Water-Resistive Membrane And Air Barrier For Exterior Insulation Finishing Systems (EIFS) (Dryvit Backstop® NT™), Per Coat.....	1.98	
	For Up To 100, Add	0.45	
	For >100 To 500, Add	0.22	
	For >5,000, Deduct	-0.09	
07 24 13 00-0035	Drainage Accessories For Exterior Insulation Finishing Systems (EIFS) <small>(07 24 13 00-0001)</small>		
07 24 13 00-0036	SF 1/8" Thick, Flexible Polyamide Drainage Mat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Drainage Mat).....	2.44	
	For Up To 100, Add	0.50	
	For >100 To 500, Add	0.25	
	For >5,000, Deduct	-0.10	
07 24 13 00-0037	Starter Tracks For Exterior Insulation Finishing Systems (EIFS) <small>(07 24 13 00-0001)</small>		
07 24 13 00-0038	LF 1" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP).....	3.51	
07 24 13 00-0039	LF 1-1/2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP).....	3.78	
07 24 13 00-0040	LF 2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP).....	4.09	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 24 13 00-0041	LF		3" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP).....	4.75	
07 24 13 00-0042	LF		1" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE).....	3.78	
07 24 13 00-0043	LF		1-1/2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE).....	4.09	
07 24 13 00-0044	LF		2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE).....	4.40	
07 24 13 00-0045	LF		3" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE).....	5.12	

**07 24 13 00-0046 Demolish Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)**

07 24 13 00-0047	SF		Demolish Exterior Insulation Finishing Systems (EIFS).....	2.99	
			Note: Includes demolition of all finish coats, base coats, reinforcing layers and insulation layers down to the substrate. Excludes demolition of sheathing.		
			For Up To 100, Add	1.50	
			For >100 To 500, Add	0.75	
			For >5,000, Deduct	-0.30	

**07 25 Weather Barriers (07)**

**07 26 Vapor Retarders (07 25)**

**07 26 13 Above-Grade Vapor Retarders (07 26)**

07 26 13 00-0001	CSF		Two Layer Kraft Paper Laminated With Asphalt, Grade "B" Building Paper (Aquabar B).....	29.07	
07 26 13 00-0002	CSF		Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Jumbo Tex).....	27.24	
07 26 13 00-0003	CSF		60 Minute Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Super Jumbo Tex 60 Minute).....	33.10	
07 26 13 00-0004	CSF		Two Ply 60 Minute Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Two Ply Super Jumbo Tex 60 Minute).....	41.69	
07 26 13 00-0005	CSF		Regular Weight Red Rosin Sized Sheathing.....	26.52	
07 26 13 00-0006	CLF		6" Wide Two Layer Kraft Paper Laminated With Asphalt, Building Flashing Paper (Bond Beam Paper).....	85.80	
07 26 13 00-0007	CLF		4" Wide Self Adhering Butyl Sealing Tape.....	125.43	
07 26 13 00-0008	CLF		6" Wide Self Adhesive Butyl Sealing Tape.....	178.12	
07 26 13 00-0009	CLF		9" Wide Self Adhesive Butyl Sealing Tape.....	243.82	
07 26 13 00-0010	CSF		Building Wrap (Tyvek).....	65.70	

**07 27 Air Barriers (07 25)**

**07 27 23 Board Product Air Barriers (07 27)**

**07 27 23 00-0001 Barriers For Plenums (07 27 23)**

07 27 23 00-0002	SF		0.5" Thick Leaded Vinyl Acoustic Plenum Barrier 0.48 LB/SF.....	11.68	3.33
			For Up To 50, Add	4.36	
			For >50 To 200, Add	2.47	
			For >200 To 500, Add	0.91	
			For >2,500, Deduct	-0.58	
07 27 23 00-0003	SF		0.625" Thick Leaded Vinyl Acoustic Plenum Barrier 0.87 LB/SF.....	12.64	3.33
			For Up To 50, Add	4.76	
			For >50 To 200, Add	2.70	
			For >200 To 500, Add	0.99	
			For >2,500, Deduct	-0.63	
07 27 23 00-0004	SF		Aluminum Foil Fiberglass Reinforced Plenum Bar Parallel With Joists 1" Thick.....	4.69	2.22
			For Up To 50, Add	2.32	
			For >50 To 200, Add	1.28	
			For >200 To 500, Add	0.44	
			For >2,500, Deduct	-0.23	
07 27 23 00-0005	SF		Aluminum Foil Fiberglass Reinforced Plenum Bar Perpendicular With Joists 1" Thick.....	8.53	3.33
			For Up To 50, Add	4.14	
			For >50 To 200, Add	2.29	
			For >200 To 500, Add	0.78	
			For >2,500, Deduct	-0.43	
07 27 23 00-0006	SF		Aluminum Mesh Barrier For Plenum Kraft Paper Backed.....	5.87	2.22
			For Up To 50, Add	2.50	
			For >50 To 200, Add	1.40	
			For >200 To 500, Add	0.50	
			For >2,500, Deduct	-0.29	
07 27 23 00-0007	SF		1/64" Thick Sheet Lead Barrier For Plenum 1 LB/SF.....	8.81	2.22
			For Up To 50, Add	2.80	
			For >50 To 200, Add	1.62	
			For >200 To 500, Add	0.63	
			For >2,500, Deduct	-0.44	

**07 30 Steep Slope Roofing (07)**

Note: Includes starter strips and manufacturer's product specific warranties.

**07 31 Shingles and Shakes (07 30)**

**07 31 13 Asphalt Shingles (07 31)**

**07 31 13 13 Fiberglass-Reinforced Asphalt Shingles (07 31 13)**

**07 31 13 13-0001 Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (07 31 13 13)**

Note: Excludes underlayment, drip edges, and ridge vent/shingles.

**07 Thermal And Moisture Protection****07 30 Steep Slope Roofing****07 31 Shingles and Shakes**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 31 13 13-0002	SQ	200 LB/SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed CT 20)	266.94	189.02
		<i>For &gt;35 To 75, Deduct</i>	-9.50	
		<i>For &gt;75 To 100, Deduct</i>	-15.70	
		<i>For &gt;100 To 200, Deduct</i>	-23.80	
		<i>For &gt;200, Deduct</i>	-36.20	
		<i>For Steep Roof, Over 7 To 12, Add</i>	55.01	
07 31 13 13-0003	SQ	220 LB/SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed XT 25)	279.97	198.50
		<i>For &gt;35 To 75, Deduct</i>	-9.95	
		<i>For &gt;75 To 100, Deduct</i>	-16.45	
		<i>For &gt;100 To 200, Deduct</i>	-24.94	
		<i>For &gt;200, Deduct</i>	-37.95	
		<i>For Steep Roof, Over 7 To 12, Add</i>	57.75	
07 31 13 13-0004	SQ	230 LB/SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed XT 30)	320.64	208.40
		<i>For &gt;35 To 75, Deduct</i>	-13.11	
		<i>For &gt;75 To 100, Deduct</i>	-20.47	
		<i>For &gt;100 To 200, Deduct</i>	-30.45	
		<i>For &gt;200, Deduct</i>	-45.18	
		<i>For Steep Roof, Over 7 To 12, Add</i>	60.65	
07 31 13 13-0005		<b>Architectural Fiberglass Reinforced, Asphalt Composition Shingle</b> <small>(07 31 13 13)</small>		
		Note: Excludes underlayment, drip edges, and ridge vent/shingles.		
07 31 13 13-0006	SQ	245 LB/SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark)	333.78	241.29
		<i>For &gt;35 To 75, Deduct</i>	-11.45	
		<i>For &gt;75 To 100, Deduct</i>	-19.22	
		<i>For &gt;100 To 200, Deduct</i>	-29.28	
		<i>For &gt;200, Deduct</i>	-44.82	
		<i>For Steep Roof, Over 7 To 12, Add</i>	70.19	
07 31 13 13-0007	SQ	240 LB/SQ, 8" Exposure, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Highland Slate)	349.28	229.74
		<i>For &gt;35 To 75, Deduct</i>	-14.04	
		<i>For &gt;75 To 100, Deduct</i>	-22.07	
		<i>For &gt;100 To 200, Deduct</i>	-32.90	
		<i>For &gt;200, Deduct</i>	-48.97	
		<i>For Steep Roof, Over 7 To 12, Add</i>	66.85	
07 31 13 13-0008	SQ	265 LB/SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Plus)	379.07	253.36
		<i>For &gt;35 To 75, Deduct</i>	-14.87	
		<i>For &gt;75 To 100, Deduct</i>	-23.60	
		<i>For &gt;100 To 200, Deduct</i>	-35.31	
		<i>For &gt;200, Deduct</i>	-52.78	
		<i>For Steep Roof, Over 7 To 12, Add</i>	73.72	
07 31 13 13-0009	SQ	235 LB/SQ, 8" Exposure, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Hatteras)	361.95	218.81
		<i>For &gt;35 To 75, Deduct</i>	-16.30	
		<i>For &gt;75 To 100, Deduct</i>	-24.54	
		<i>For &gt;100 To 200, Deduct</i>	-36.03	
		<i>For &gt;200, Deduct</i>	-52.50	
		<i>For Steep Roof, Over 7 To 12, Add</i>	63.65	
07 31 13 13-0010	SQ	300 LB/SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Premium)	409.84	266.04
		<i>For &gt;35 To 75, Deduct</i>	-16.80	
		<i>For &gt;75 To 100, Deduct</i>	-26.21	
		<i>For &gt;100 To 200, Deduct</i>	-38.98	
		<i>For &gt;200, Deduct</i>	-57.79	
		<i>For Steep Roof, Over 7 To 12, Add</i>	77.38	
07 31 13 13-0011	SQ	300 LB/SQ, 5" Exposure, Random Laminated Tabs, One Piece, Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Independence)	434.47	266.04
		<i>For &gt;35 To 75, Deduct</i>	-19.27	
		<i>For &gt;75 To 100, Deduct</i>	-29.16	
		<i>For &gt;100 To 200, Deduct</i>	-42.92	
		<i>For &gt;200, Deduct</i>	-62.71	
		<i>For Steep Roof, Over 7 To 12, Add</i>	77.38	
07 31 13 13-0012	SQ	355 LB/SQ, 4" Exposure, Sculpted Edge, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Presidential Shake)	474.92	293.27
		<i>For &gt;35 To 75, Deduct</i>	-20.83	
		<i>For &gt;75 To 100, Deduct</i>	-31.66	
		<i>For &gt;100 To 200, Deduct</i>	-46.65	
		<i>For &gt;200, Deduct</i>	-68.32	
		<i>For Steep Roof, Over 7 To 12, Add</i>	85.33	
07 31 13 13-0013	SQ	340 LB/SQ, 5" Exposure, Three Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark TL)	469.15	279.34
		<i>For &gt;35 To 75, Deduct</i>	-21.53	
		<i>For &gt;75 To 100, Deduct</i>	-32.18	
		<i>For &gt;100 To 200, Deduct</i>	-47.14	
		<i>For &gt;200, Deduct</i>	-68.44	
		<i>For Steep Roof, Over 7 To 12, Add</i>	81.24	
07 31 13 13-0014	SQ	300 LB/SQ, 5" Exposure, Reflective Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Solaris)	464.76	266.04
		<i>For &gt;35 To 75, Deduct</i>	-22.30	
		<i>For &gt;75 To 100, Deduct</i>	-32.80	
		<i>For &gt;100 To 200, Deduct</i>	-47.76	
		<i>For &gt;200, Deduct</i>	-68.77	
		<i>For Steep Roof, Over 7 To 12, Add</i>	77.38	
07 31 13 13-0015	SQ	355 LB/SQ, 8" Exposure, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Centennial Slate)	541.22	293.27
		<i>For &gt;35 To 75, Deduct</i>	-27.46	
		<i>For &gt;75 To 100, Deduct</i>	-39.61	
		<i>For &gt;100 To 200, Deduct</i>	-57.26	
		<i>For &gt;200, Deduct</i>	-81.58	
		<i>For Steep Roof, Over 7 To 12, Add</i>	85.33	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 13 13-0016	SQ		355 LB/SQ, 8" Exposure, Scalloped Cut, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Carriage House).....	558.49	293.27
			For >35 To 75, Deduct	-29.18	
			For >75 To 100, Deduct	-41.69	
			For >100 To 200, Deduct	-60.03	
			For >200, Deduct	-85.03	
			For Steep Roof, Over 7 To 12, Add	85.33	
07 31 13 13-0017	SQ		480 LB/SQ, 4" Exposure, Sculpted Edge, Three Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Presidential Shake TL).....	620.06	323.38
			For >35 To 75, Deduct	-32.61	
			For >75 To 100, Deduct	-46.48	
			For >100 To 200, Deduct	-66.87	
			For >200, Deduct	-94.61	
			For Steep Roof, Over 7 To 12, Add	94.07	
07 31 13 13-0018	SQ		425 LB/SQ, 8" Exposure, Random Laminated Tabs, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed GrandManor).....	609.04	307.91
			For >35 To 75, Deduct	-32.91	
			For >75 To 100, Deduct	-46.49	
			For >100 To 200, Deduct	-66.65	
			For >200, Deduct	-93.81	
			For Steep Roof, Over 7 To 12, Add	89.59	
<b>07 31 13 13-0019</b>			<b>Asphalt Shingle Accessories (07 31 13 13)</b>		
07 31 13 13-0020	LF		Hip And Ridge Roll Vent ..... Note: Excludes shingles.	7.49	1.13
07 31 13 13-0021	LF		Three Tab Hip And Ridge Shingles .....	3.81	2.81
07 31 13 13-0022	LF		Architectural Hip And Ridge Shingles.....	4.56	3.13
07 31 13 13-0023	SQ		Demolish Each Additional Layer Of Shingles.....	87.65	
<b>07 31 16</b>			<b>Metal Shingles (07 31)</b>		
<b>07 31 16 00-0001</b>			<b>Aluminum Shingles (07 31 16)</b>		
07 31 16 00-0002	SQ		Aluminum Shingles, Mill Finish, 0.020" Thick .....	741.33	179.47
			For Colors, Anodized Finish, Add	30.00	
			For Bonderized Finish, Add	47.00	
			For 1" Factory Applied Polystyrene, Add	37.00	
07 31 16 00-0003	SQ		Aluminum Shingles, Mill Finish, 0.030" Thick .....	1,007.48	196.16
			For Colors, Anodized Finish, Add	30.00	
			For Bonderized Finish, Add	47.00	
			For 1" Factory Applied Polystyrene, Add	37.00	
07 31 16 00-0004	LF		Aluminum Shingles, Ridge Cap, 0.020" Thick .....	13.49	2.58
07 31 16 00-0005	LF		Aluminum Shingles, Ridge Cap, 0.030" Thick .....	14.11	2.58
07 31 16 00-0006	LF		Aluminum Shingles, Valley Section, 0.020" Thick.....	8.83	2.58
07 31 16 00-0007	LF		Aluminum Shingles, Valley Section, 0.030" Thick.....	10.07	2.58
<b>07 31 16 00-0008</b>			<b>Galvanized Steel Shingles (07 31 16)</b>		
07 31 16 00-0009	SQ		24 Gauge, 0.0276" Thickness, Galvanized Steel Shingles.....	515.18	161.49
			For Factory Applied 1" Polystyrene Insulation, Add	24.75	
			For >50 To 75, Deduct	-7.69	
			For >75 To 100, Deduct	-21.53	
			For >100 To 200, Deduct	-37.29	
			For >200, Deduct	-51.13	
			For Steep Roof, Over 7 To 12, Add	103.37	
07 31 16 00-0010	SQ		26 Gauge, 0.0217" Thickness, Galvanized Steel Shingles.....	496.60	160.19
			For Factory Applied 1" Polystyrene Insulation, Add	24.75	
			For >50 To 75, Deduct	-7.05	
			For >75 To 100, Deduct	-20.35	
			For >100 To 200, Deduct	-35.41	
			For >200, Deduct	-48.71	
			For Steep Roof, Over 7 To 12, Add	102.49	
07 31 16 00-0011	SQ		24 Gauge, 0.0276" Thickness, Galvanized And Bonderized Steel Shingles.....	795.32	161.49
			For Factory Applied 1" Polystyrene Insulation, Add	24.75	
			For >50 To 75, Deduct	-18.89	
			For >75 To 100, Deduct	-41.14	
			For >100 To 200, Deduct	-68.10	
			For >200, Deduct	-90.35	
			For Steep Roof, Over 7 To 12, Add	103.37	
07 31 16 00-0012	SQ		26 Gauge, 0.0276" Thickness, Galvanized And Bonderized Steel Shingles.....	734.34	160.19
			For Factory Applied 1" Polystyrene Insulation, Add	24.75	
			For >50 To 75, Deduct	-16.56	
			For >75 To 100, Deduct	-36.99	
			For >100 To 200, Deduct	-61.56	
			For >200, Deduct	-81.99	
			For Steep Roof, Over 7 To 12, Add	102.49	
07 31 16 00-0013	LF		Galvanized Steel Shingles, Ridge Or Valley.....	8.27	2.15
			For Factory Applied 1" Polystyrene Insulation, Add	24.75	
			For >50 To 75, Deduct	-0.16	
			For >75 To 100, Deduct	-0.39	
			For >100 To 200, Deduct	-0.66	
			For >200, Deduct	-0.88	
			For Steep Roof, Over 7 To 12, Add	1.35	
<b>07 31 26</b>			<b>Slate Shingles (07 31)</b>		
			Note: Includes 30 LB felt and fasteners.		
<b>07 31 26 00-0001</b>			<b>Shingles Including 30 LB Felt And Nails (07 31 26)</b>		

**07 Thermal And Moisture Protection****07 30 Steep Slope Roofing****07 31 Shingles and Shakes**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

07 31 26 00-0002	SQ	Slate Shingles, Buckingham, Virginia Black, 3/16" Thick.....	1,258.27	275.46
		<i>For &gt;50 To 75, Deduct</i>	-25.85	
		<i>For &gt;75 To 100, Deduct</i>	-60.53	
		<i>For &gt;100 To 200, Deduct</i>	-101.68	
		<i>For &gt;200, Deduct</i>	-136.37	
		<i>For Graduated Shapes, Add</i>	96.93	
		<i>For Steep Roof, Over 7 To 12, Add</i>	195.87	
07 31 26 00-0003	SQ	Slate Shingles, Buckingham, Virginia Black, 1/4" Thick.....	1,435.28	275.46
		<i>For &gt;50 To 75, Deduct</i>	-32.93	
		<i>For &gt;75 To 100, Deduct</i>	-72.93	
		<i>For &gt;100 To 200, Deduct</i>	-121.16	
		<i>For &gt;200, Deduct</i>	-161.15	
		<i>For Graduated Shapes, Add</i>	123.48	
		<i>For Steep Roof, Over 7 To 12, Add</i>	195.87	
07 31 26 00-0004	SQ	Slate Shingles, Penn Black Bangor .....	1,382.18	275.46
		<i>For &gt;50 To 75, Deduct</i>	-30.80	
		<i>For &gt;75 To 100, Deduct</i>	-69.21	
		<i>For &gt;100 To 200, Deduct</i>	-115.31	
		<i>For &gt;200, Deduct</i>	-153.72	
		<i>For Graduated Shapes, Add</i>	115.51	
		<i>For Steep Roof, Over 7 To 12, Add</i>	195.87	
07 31 26 00-0005	SQ	Slate Shingles, Vermont, Unfading Colors, Green.....	1,399.88	275.46
		<i>For &gt;50 To 75, Deduct</i>	-31.51	
		<i>For &gt;75 To 100, Deduct</i>	-70.45	
		<i>For &gt;100 To 200, Deduct</i>	-117.26	
		<i>For &gt;200, Deduct</i>	-156.20	
		<i>For Graduated Shapes, Add</i>	118.17	
		<i>For Steep Roof, Over 7 To 12, Add</i>	195.87	
07 31 26 00-0006	SQ	Slate Shingles, Vermont, Unfading Colors, Semi-Weathered, Green/Gray .....	1,470.68	275.46
		<i>For &gt;50 To 75, Deduct</i>	-34.34	
		<i>For &gt;75 To 100, Deduct</i>	-75.40	
		<i>For &gt;100 To 200, Deduct</i>	-125.05	
		<i>For &gt;200, Deduct</i>	-166.11	
		<i>For Graduated Shapes, Add</i>	128.79	
		<i>For Steep Roof, Over 7 To 12, Add</i>	195.87	
07 31 26 00-0007	SQ	Slate Shingles, Vermont, Unfading Color, Purple .....	1,382.18	275.46
		<i>For &gt;50 To 75, Deduct</i>	-30.80	
		<i>For &gt;75 To 100, Deduct</i>	-69.21	
		<i>For &gt;100 To 200, Deduct</i>	-115.31	
		<i>For &gt;200, Deduct</i>	-153.72	
		<i>For Graduated Shapes, Add</i>	115.51	
		<i>For Steep Roof, Over 7 To 12, Add</i>	195.87	
07 31 26 00-0008	SQ	Slate Shingles, Vermont, Unfading Color, Black Or Gray .....	1,329.08	275.46
		<i>For &gt;50 To 75, Deduct</i>	-28.68	
		<i>For &gt;75 To 100, Deduct</i>	-65.49	
		<i>For &gt;100 To 200, Deduct</i>	-109.47	
		<i>For &gt;200, Deduct</i>	-146.29	
		<i>For Graduated Shapes, Add</i>	107.55	
		<i>For Steep Roof, Over 7 To 12, Add</i>	195.87	
07 31 26 00-0009	SQ	Slate Shingles, Vermont, Unfading Color, Red .....	2,435.15	275.46
		<i>For &gt;50 To 75, Deduct</i>	-72.92	
		<i>For &gt;75 To 100, Deduct</i>	-142.92	
		<i>For &gt;100 To 200, Deduct</i>	-231.14	
		<i>For &gt;200, Deduct</i>	-301.14	
		<i>For Graduated Shapes, Add</i>	273.46	
		<i>For Steep Roof, Over 7 To 12, Add</i>	195.87	
07 31 26 00-0010	SQ	Slate Shingles, Vermont, Unfading Color, Variegated Purple .....	1,382.18	275.46
		<i>For &gt;50 To 75, Deduct</i>	-30.80	
		<i>For &gt;75 To 100, Deduct</i>	-69.21	
		<i>For &gt;100 To 200, Deduct</i>	-115.31	
		<i>For &gt;200, Deduct</i>	-153.72	
		<i>For Graduated Shapes, Add</i>	115.51	
		<i>For Steep Roof, Over 7 To 12, Add</i>	195.87	

**07 31 29 Wood Shingles and Shakes (07 31)****07 31 29 13 Wood Shingles (07 31 29)**

07 31 29 13-0001 #1 Grade, Red Cedar Shingles (07 31 29 13)

07 31 29 13-0002 #1 Grade, Red Cedar Shingles Installed On Roofs (07 31 29 13-0001)

07 31 29 13-0003	SQ	3-3/4" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	831.04	221.98
		<i>For Steep Roof, Over 7 To 12, Add</i>	142.07	
		<i>For Pressure-Impregnated Treated (Preservative), Add</i>	58.06	
07 31 29 13-0004	SQ	5" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	603.93	166.49
		<i>For Steep Roof, Over 7 To 12, Add</i>	106.56	
		<i>For Pressure-Impregnated Treated (Preservative), Add</i>	40.64	
07 31 29 13-0005	SQ	4-1/2" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	735.41	188.69
		<i>For Steep Roof, Over 7 To 12, Add</i>	120.76	
		<i>For Pressure-Impregnated Treated (Preservative), Add</i>	53.70	
07 31 29 13-0006	SQ	5-1/2" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	602.56	155.39
		<i>For Steep Roof, Over 7 To 12, Add</i>	99.45	
		<i>For Pressure-Impregnated Treated (Preservative), Add</i>	43.77	
07 31 29 13-0007	SQ	5-3/4" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	781.85	147.07
		<i>For Steep Roof, Over 7 To 12, Add</i>	94.12	
		<i>For Pressure-Impregnated Treated (Preservative), Add</i>	73.16	
07 31 29 13-0008	SQ	7-1/2" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	608.21	124.87
		<i>For Steep Roof, Over 7 To 12, Add</i>	79.91	
		<i>For Pressure-Impregnated Treated (Preservative), Add</i>	53.77	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>07 31 29 13-0009</b>			<b>#1 Grade, Red Cedar Shingles Installed On Walls</b> (07 31 29 13-0001)		
07 31 29 13-0010	SQ		7" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall ..... For Pressure-Impregnated Treated (Preservative), Add	593.11 29.03	199.79
07 31 29 13-0011	SQ		8" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall ..... For Pressure-Impregnated Treated (Preservative), Add	578.62 30.18	188.69
07 31 29 13-0012	SQ		10-1/2" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall ..... For Pressure-Impregnated Treated (Preservative), Add	583.49 38.41	163.72
<b>07 31 29 13-0013</b>			<b>#2 Grade, Red Cedar Shingles</b> (07 31 29 13)		
<b>07 31 29 13-0014</b>			<b>#2 Grade, Red Cedar Shingles Installed On Roofs</b> (07 31 29 13-0013)		
07 31 29 13-0015	SQ		3-1/2" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof..... For Steep Roof, Over 7 To 12, Add For Pressure-Impregnated Treated (Preservative), Add	778.80 149.17 46.89	233.09
07 31 29 13-0016	SQ		4" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof..... For Steep Roof, Over 7 To 12, Add For Pressure-Impregnated Treated (Preservative), Add	695.32 134.97 41.03	210.89
07 31 29 13-0017	SQ		4" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof..... For Steep Roof, Over 7 To 12, Add For Pressure-Impregnated Treated (Preservative), Add	737.99 134.97 47.43	210.89
07 31 29 13-0018	SQ		4-1/2" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof..... For Steep Roof, Over 7 To 12, Add For Pressure-Impregnated Treated (Preservative), Add	658.69 120.76 42.20	188.69
07 31 29 13-0019	SQ		5-3/4" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof..... For Steep Roof, Over 7 To 12, Add For Pressure-Impregnated Treated (Preservative), Add	634.40 94.12 51.04	147.07
07 31 29 13-0020	SQ		6-1/2" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof..... For Steep Roof, Over 7 To 12, Add For Pressure-Impregnated Treated (Preservative), Add	520.33 81.69 39.76	127.64
<b>07 31 29 13-0021</b>			<b>#2 Grade, Red Cedar Shingles Installed On Walls</b> (07 31 29 13-0013)		
07 31 29 13-0022	SQ		6" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall ..... For Pressure-Impregnated Treated (Preservative), Add	578.08 23.45	210.89
07 31 29 13-0023	SQ		7" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall ..... For Pressure-Impregnated Treated (Preservative), Add	557.69 23.72	199.79
07 31 29 13-0024	SQ		9" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall ..... For Pressure-Impregnated Treated (Preservative), Add	533.82 26.80	177.60
<b>07 31 29 16</b>			<b>Wood Shakes</b> (07 31 29)		
<b>07 31 29 16-0001</b>			<b>#1 Grade, Red Cedar Shakes</b> (07 31 29 16)		
<b>07 31 29 16-0002</b>			<b>#1 Grade, Red Cedar Shakes Installed On Roofs</b> (07 31 29 16-0001)		
07 31 29 16-0003	SQ		8-1/2" Exposure, 1/2" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Roof ..... For Steep Roof, Over 7 To 12, Add For Pressure-Impregnated Treated (Preservative), Add	610.83 115.43 37.52	180.36
07 31 29 16-0004	SQ		8-1/2" Exposure, 3/4" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Roof ..... For Steep Roof, Over 7 To 12, Add For Pressure-Impregnated Treated (Preservative), Add	694.20 115.43 50.02	180.36
07 31 29 16-0005	SQ		10" Exposure, 1/2" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Roof..... For Steep Roof, Over 7 To 12, Add For Pressure-Impregnated Treated (Preservative), Add	638.02 94.12 51.58	147.07
07 31 29 16-0006	SQ		10" Exposure, 3/4" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Roof..... For Steep Roof, Over 7 To 12, Add For Pressure-Impregnated Treated (Preservative), Add	673.45 94.12 56.90	147.07
<b>07 31 29 16-0007</b>			<b>#1 Grade, Red Cedar Shakes Installed On Walls</b> (07 31 29 16-0001)		
07 31 29 16-0008	SQ		8-1/2" Exposure, 1/2" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Wall ..... For Pressure-Impregnated Treated (Preservative), Add	638.58 37.52	194.24
07 31 29 16-0009	SQ		8-1/2" Exposure, 3/4" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Wall ..... For Pressure-Impregnated Treated (Preservative), Add	721.95 50.02	194.24
07 31 29 16-0010	SQ		10" Exposure, 1/2" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Wall ..... For Pressure-Impregnated Treated (Preservative), Add	676.88 51.58	166.49
07 31 29 16-0011	SQ		10" Exposure, 3/4" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Wall ..... For Pressure-Impregnated Treated (Preservative), Add	712.31 56.90	166.49
<b>07 31 29 19</b>			<b>Wood Shingles And Shakes Cap</b> (07 31 29)		
<b>07 31 29 19-0001</b>			<b>Wood Hip And Ridge Cap For Wood Shingles Or Shakes</b> (07 31 29 19)		
07 31 29 19-0002	LF		Red Cedar Hip Or Ridge Cap For Wood Shingles Or Shakes..... For Steep Roof, Over 7 To 12, Add For Pressure-Impregnated Treated (Preservative) Ridge, Add	9.96 1.08 0.99	1.44
<b>07 31 33</b>			<b>Composite Rubber Shingles</b> (07 31)		

**07 Thermal And Moisture Protection****07 30 Steep Slope Roofing****07 31 Shingles and Shakes**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 31 33 00-0001	SQ	Class C Rectangular Edges Polymeric Rubber Slate Shingles, 7.0" Exposure .....	1,163.97	240.51
		Note: Gray or black.		
		For Purple Or Green Color, Add	109.28	
		For Brown Or Red Color, Add	280.03	
		For Steep Roof, Over 7 To 12, Add	153.91	
		For >50 To 75, Deduct	-17.08	
		For >75 To 100, Deduct	-46.17	
		For >100 To 200, Deduct	-75.27	
		For >200, Deduct	-116.40	
07 31 33 00-0002	SQ	Class A Rectangular Edges Polymeric Rubber Slate Shingles, 7.0" Exposure.....	1,619.31	240.51
		Note: Fire resistant. Gray or black.		
		For Purple, Green, Brown Or Red, Add	170.75	
		For Steep Roof, Over 7 To 12, Add	153.91	
		For >50 To 75, Deduct	-28.46	
		For >75 To 100, Deduct	-68.94	
		For >100 To 200, Deduct	-109.42	
		For >200, Deduct	-161.93	
07 31 33 00-0003	SQ	Class C Shaped Polymeric Rubber Slate Shingle, 7.0" Exposure .....	1,351.47	240.51
		Note: Beaver tail, chisel point or beveled edges. Gray or black.		
		For Purple, Green, Brown Or Red, Add	313.38	
		For Steep Roof, Over 7 To 12, Add	153.91	
		For >50 To 75, Deduct	-21.76	
		For >75 To 100, Deduct	-55.55	
		For >100 To 200, Deduct	-89.34	
		For >200, Deduct	-135.15	
07 31 33 00-0004	SQ	Class A Shaped Polymeric Rubber Slate Shingle, 7.0" Exposure .....	1,713.06	240.51
		Note: Fire resistant. Beaver tail, chisel point or beveled edges. Gray or black.		
		For Purple, Green, Brown Or Red, Add	135.53	
		For Steep Roof, Over 7 To 12, Add	153.91	
		For >50 To 75, Deduct	-30.80	
		For >75 To 100, Deduct	-73.63	
		For >100 To 200, Deduct	-116.46	
		For >200, Deduct	-171.31	
07 31 33 00-0005	LF	Hip Or Ridge Polymeric Rubber Slate Shingle.....	11.51	1.62
		Note: Beveled or pointed edges, gray or black.		

**07 32 Roof Tiles** (07 30)**07 32 13 Clay Roof Tiles** (07 32)

Note: 8-1/4" x 11" exposure. Includes mortar, battens, fasteners, felt underlayment and 90# cap sheet.

**07 32 13 00-0001 Clay Roofing Tile 8-1/4" x 11" Exposure** (07 32 13)

Note: Includes mortar, battens, fasteners, felt underlayment and 90# cap sheet.

07 32 13 00-0002	SQ	Lanai Or Classic Tile, 158 Piece Per SQ .....	1,312.63	261.24
		For >25 To 50, Deduct	-47.40	
		For >50 To 75, Deduct	-92.07	
		For >75 To 100, Deduct	-128.84	
		For >100 To 200, Deduct	-157.70	
		For >200, Deduct	-178.67	
		For 20 Year Warranty, Add	55.31	
07 32 13 00-0003	SQ	Americana (Most Colors) Tile Roofing, 158 Piece Per SQ.....	1,567.11	261.24
		For >25 To 50, Deduct	-62.67	
		For >50 To 75, Deduct	-117.52	
		For >75 To 100, Deduct	-161.92	
		For >100 To 200, Deduct	-195.88	
		For >200, Deduct	-219.38	
		For 20 Year Warranty, Add	73.12	
07 32 13 00-0004	SQ	Americana (Green, Gray Or Brown) Tile, 158 Piece Per SQ .....	1,567.11	261.24
		For >25 To 50, Deduct	-62.67	
		For >50 To 75, Deduct	-117.52	
		For >75 To 100, Deduct	-161.92	
		For >100 To 200, Deduct	-195.88	
		For >200, Deduct	-219.38	
		For 20 Year Warranty, Add	73.12	
07 32 13 00-0005	SQ	Americana (Blue) Tile, 158 Piece Per SQ.....	1,783.03	261.24
		For >25 To 50, Deduct	-75.63	
		For >50 To 75, Deduct	-139.11	
		For >75 To 100, Deduct	-189.99	
		For >100 To 200, Deduct	-228.26	
		For >200, Deduct	-253.93	
		For 20 Year Warranty, Add	88.23	
07 32 13 00-0006	SQ	French Tile Roofing, Red, 133 Piece Per SQ .....	1,565.73	319.42
		For >25 To 50, Deduct	-55.61	
		For >50 To 75, Deduct	-108.66	
		For >75 To 100, Deduct	-152.44	
		For >100 To 200, Deduct	-186.95	
		For >200, Deduct	-212.19	
		For 20 Year Warranty, Add	64.88	
07 32 13 00-0007	SQ	French Tile Roofing, Blue Or Green, 133 Piece Per SQ.....	1,945.57	319.42
		For >25 To 50, Deduct	-78.41	
		For >50 To 75, Deduct	-146.65	
		For >75 To 100, Deduct	-201.82	
		For >100 To 200, Deduct	-243.92	
		For >200, Deduct	-272.96	
		For 20 Year Warranty, Add	91.47	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 32 13 00-0008	SQ		Norman Tile Roofing, 317 Piece Per SQ .....	2,484.49	430.91
			<i>For &gt;25 To 50, Deduct</i>	-97.38	
			<i>For &gt;50 To 75, Deduct</i>	-183.83	
			<i>For &gt;75 To 100, Deduct</i>	-254.06	
			<i>For &gt;100 To 200, Deduct</i>	-308.06	
			<i>For &gt;200, Deduct</i>	-345.82	
			<i>For 20 Year Warranty, Add</i>	113.61	
07 32 13 00-0009	SQ		Williamsburg Tile Roofing, Aged Cedar, 158 Piece Per SQ .....	1,375.68	319.42
			<i>For &gt;25 To 50, Deduct</i>	-44.21	
			<i>For &gt;50 To 75, Deduct</i>	-89.66	
			<i>For &gt;75 To 100, Deduct</i>	-127.73	
			<i>For &gt;100 To 200, Deduct</i>	-158.44	
			<i>For &gt;200, Deduct</i>	-181.78	
			<i>For 20 Year Warranty, Add</i>	51.58	
07 32 13 00-0010	SQ		Williamsburg Tile Roofing, Gray Or Green, 158 Piece Per SQ .....	1,683.38	319.42
			<i>For &gt;25 To 50, Deduct</i>	-62.67	
			<i>For &gt;50 To 75, Deduct</i>	-120.43	
			<i>For &gt;75 To 100, Deduct</i>	-167.73	
			<i>For &gt;100 To 200, Deduct</i>	-204.60	
			<i>For &gt;200, Deduct</i>	-231.01	
			<i>For 20 Year Warranty, Add</i>	73.12	
07 32 13 00-0011	SQ		Spanish Tile Roofing, Red, 171 Piece Per SQ .....	1,175.92	239.16
			<i>For &gt;25 To 50, Deduct</i>	-41.85	
			<i>For &gt;50 To 75, Deduct</i>	-81.71	
			<i>For &gt;75 To 100, Deduct</i>	-114.60	
			<i>For &gt;100 To 200, Deduct</i>	-140.51	
			<i>For &gt;200, Deduct</i>	-159.45	
			<i>For 20 Year Warranty, Add</i>	48.83	
07 32 13 00-0012	SQ		Spanish Tile Roofing, Blend, 171 Piece Per SQ .....	1,507.51	239.16
			<i>For &gt;25 To 50, Deduct</i>	-61.75	
			<i>For &gt;50 To 75, Deduct</i>	-114.87	
			<i>For &gt;75 To 100, Deduct</i>	-157.71	
			<i>For &gt;100 To 200, Deduct</i>	-190.25	
			<i>For &gt;200, Deduct</i>	-212.50	
			<i>For 20 Year Warranty, Add</i>	72.04	
07 32 13 00-0013	SQ		Spanish Tile Roofing, Glazed White, 171 Piece Per SQ .....	1,792.84	239.16
			<i>For &gt;25 To 50, Deduct</i>	-78.87	
			<i>For &gt;50 To 75, Deduct</i>	-143.41	
			<i>For &gt;75 To 100, Deduct</i>	-194.80	
			<i>For &gt;100 To 200, Deduct</i>	-233.05	
			<i>For &gt;200, Deduct</i>	-258.15	
			<i>For 20 Year Warranty, Add</i>	92.01	
07 32 13 00-0014	SQ		Two Piece Mission Tile Roofing, 192 Piece Per SQ .....	2,179.93	374.89
			<i>For &gt;25 To 50, Deduct</i>	-85.81	
			<i>For &gt;50 To 75, Deduct</i>	-161.76	
			<i>For &gt;75 To 100, Deduct</i>	-223.41	
			<i>For &gt;100 To 200, Deduct</i>	-270.76	
			<i>For &gt;200, Deduct</i>	-303.80	
			<i>For 20 Year Warranty, Add</i>	100.11	
07 32 13 00-0015	SQ		One Piece Mission Tile Roofing, 75 Piece Per SQ .....	981.04	261.24
			<i>For &gt;25 To 50, Deduct</i>	-27.51	
			<i>For &gt;50 To 75, Deduct</i>	-58.91	
			<i>For &gt;75 To 100, Deduct</i>	-85.73	
			<i>For &gt;100 To 200, Deduct</i>	-107.96	
			<i>For &gt;200, Deduct</i>	-125.61	
			<i>For 20 Year Warranty, Add</i>	32.09	
07 32 13 00-0016	SQ		One Piece Mission Tile Roofing, 134 Piece Per SQ .....	1,312.38	374.89
			<i>For &gt;25 To 50, Deduct</i>	-33.76	
			<i>For &gt;50 To 75, Deduct</i>	-75.00	
			<i>For &gt;75 To 100, Deduct</i>	-110.63	
			<i>For &gt;100 To 200, Deduct</i>	-140.62	
			<i>For &gt;200, Deduct</i>	-164.99	
			<i>For 20 Year Warranty, Add</i>	39.38	

**07 32 16 Concrete Roof Tiles (07 32)**

**07 32 16 00-0001 Corrugated Tiles And Shakes Nailed To Wood (07 32 16)**

Note: Includes 30 lb felt underlayment.

07 32 16 00-0002	SQ		13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Earthtone Colors, Corrugated .....	1,069.84	396.01
			<i>For &gt;50 To 75, Deduct</i>	-11.11	
			<i>For &gt;75 To 100, Deduct</i>	-39.24	
			<i>For &gt;100 To 200, Deduct</i>	-70.15	
			<i>For &gt;200, Deduct</i>	-98.29	
			<i>For Steep Roof, Over 7 To 12, Add</i>	253.48	
07 32 16 00-0003	SQ		13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Custom Blues, Corrugated .....	1,348.79	396.01
			<i>For &gt;50 To 75, Deduct</i>	-22.27	
			<i>For &gt;75 To 100, Deduct</i>	-58.77	
			<i>For &gt;100 To 200, Deduct</i>	-100.84	
			<i>For &gt;200, Deduct</i>	-137.34	
			<i>For Steep Roof, Over 7 To 12, Add</i>	253.48	
07 32 16 00-0004	SQ		13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Custom Greens Corrugated .....	1,125.63	396.01
			<i>For &gt;50 To 75, Deduct</i>	-13.34	
			<i>For &gt;75 To 100, Deduct</i>	-43.15	
			<i>For &gt;100 To 200, Deduct</i>	-76.29	
			<i>For &gt;200, Deduct</i>	-106.10	
			<i>For Steep Roof, Over 7 To 12, Add</i>	253.48	

**07 Thermal And Moisture Protection****07 30 Steep Slope Roofing****07 32 Roof Tiles**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 32 16 00-0005	SQ	13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Colors, Shakes.....	1,056.20	354.32
		<i>For &gt;50 To 75, Deduct</i>	-13.90	
		<i>For &gt;75 To 100, Deduct</i>	-42.04	
		<i>For &gt;100 To 200, Deduct</i>	-73.66	
		<i>For &gt;200, Deduct</i>	-101.80	
		<i>For Steep Roof, Over 7 To 12, Add</i>	226.80	

**07 32 16 00-0006 Accessories (07 32 16)**

07 32 16 00-0007	EA	Ridge And Hip, 10" X 16-1/2", 8 LB Each For Concrete Tile Roof .....	4.71	
07 32 16 00-0008	EA	Rake, 6-1/2" X 16-3/4", 9 LB Each For Concrete Tile Roof.....	3.10	
07 32 16 00-0009	EA	Mansard Hip, 10" X 16-1/2", 9.2 LB Each For Concrete Tile Roof .....	4.68	
07 32 16 00-0010	EA	Hip Starter, 10" X 16-1/2", 10.5 LB Each For Concrete Tile Roof .....	5.36	
07 32 16 00-0011	EA	3 Or 4 Way Apex, 10" Each Side, 11.5 LB Each For Concrete Tile Roof.....	5.58	

**07 34 Roofing Underlayment (07 34)****07 34 00 00-0001 Mechanically Fastened, Roofing Underlayment (07 34)**

Note: Standard slope.

07 34 00 00-0002	SQ	15 LB, Asphalt Saturated Organic Felt Roofing Underlayment, Mechanically Fastened.....	35.34	7.75
		<i>For Steep Roof, Over 7 To 12, Add</i>	4.96	
		<i>For &gt;50 To 75, Deduct</i>	-0.79	
		<i>For &gt;75 To 100, Deduct</i>	-1.78	
		<i>For &gt;100 To 200, Deduct</i>	-2.96	
		<i>For &gt;200, Deduct</i>	-4.33	
07 34 00 00-0003	SQ	30 LB, Asphalt Saturated Organic Felt Roofing Underlayment, Mechanically Fastened.....	54.47	10.66
		<i>For Steep Roof, Over 7 To 12, Add</i>	6.82	
		<i>For &gt;50 To 75, Deduct</i>	-1.33	
		<i>For &gt;75 To 100, Deduct</i>	-2.85	
		<i>For &gt;100 To 200, Deduct</i>	-4.71	
		<i>For &gt;200, Deduct</i>	-6.77	
07 34 00 00-0004	SQ	30 LB, Asphalt Saturated Organic Felt Shake Underlayment, Mechanically Fastened.....	60.71	10.66
		<i>For Steep Roof, Over 7 To 12, Add</i>	6.82	
		<i>For &gt;50 To 75, Deduct</i>	-1.58	
		<i>For &gt;75 To 100, Deduct</i>	-3.29	
		<i>For &gt;100 To 200, Deduct</i>	-5.40	
		<i>For &gt;200, Deduct</i>	-7.65	
07 34 00 00-0005	SQ	Fire Rated, Polypropylene Roofing Underlayment, Mechanically Fastened (Rex™ Synfelt) .....	67.70	16.15
		<i>For Steep Roof, Over 7 To 12, Add</i>	10.34	
		<i>For &gt;50 To 75, Deduct</i>	-1.42	
		<i>For &gt;75 To 100, Deduct</i>	-3.29	
		<i>For &gt;100 To 200, Deduct</i>	-5.51	
		<i>For &gt;200, Deduct</i>	-8.19	
07 34 00 00-0006	SQ	17 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 25).....	75.09	16.15
		<i>For Steep Roof, Over 7 To 12, Add</i>	10.34	
		<i>For &gt;50 To 75, Deduct</i>	-1.71	
		<i>For &gt;75 To 100, Deduct</i>	-3.80	
		<i>For &gt;100 To 200, Deduct</i>	-6.32	
		<i>For &gt;200, Deduct</i>	-9.22	
07 34 00 00-0007	SQ	25 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 30).....	87.28	16.15
		<i>For Steep Roof, Over 7 To 12, Add</i>	10.34	
		<i>For &gt;50 To 75, Deduct</i>	-2.20	
		<i>For &gt;75 To 100, Deduct</i>	-4.66	
		<i>For &gt;100 To 200, Deduct</i>	-7.66	
		<i>For &gt;200, Deduct</i>	-10.93	
07 34 00 00-0008	SQ	30 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 50).....	81.19	16.15
		<i>For Steep Roof, Over 7 To 12, Add</i>	10.34	
		<i>For &gt;50 To 75, Deduct</i>	-1.96	
		<i>For &gt;75 To 100, Deduct</i>	-4.23	
		<i>For &gt;100 To 200, Deduct</i>	-6.99	
		<i>For &gt;200, Deduct</i>	-10.07	

**07 34 00 00-0009 Self-Adhering, Roofing Underlayment (07 34)**

Note: Standard slope.

07 34 00 00-0010	SQ	48 Mil, Fire Rated, Polymeric Asphalt Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® Mat).....	140.28	19.59
		<i>For Steep Roof, Over 7 To 12, Add</i>	12.53	
		<i>For &gt;50 To 75, Deduct</i>	-4.04	
		<i>For &gt;75 To 100, Deduct</i>	-8.06	
		<i>For &gt;100 To 200, Deduct</i>	-13.08	
		<i>For &gt;200, Deduct</i>	-18.07	
07 34 00 00-0011	SQ	60 Mil, Fire Rated, Granule Surfaced, Rubberized Asphalt Adhesive, Roofing Underlayment, Self-Adhering (Grace Basik®).....	210.90	19.59
		<i>For Steep Roof, Over 7 To 12, Add</i>	12.53	
		<i>For &gt;50 To 75, Deduct</i>	-6.87	
		<i>For &gt;75 To 100, Deduct</i>	-13.00	
		<i>For &gt;100 To 200, Deduct</i>	-20.85	
		<i>For &gt;200, Deduct</i>	-27.96	
07 34 00 00-0012	SQ	53 Mil, Fire Rated, Granule Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® G) .....	149.01	19.59
		<i>For Steep Roof, Over 7 To 12, Add</i>	12.53	
		<i>For &gt;50 To 75, Deduct</i>	-4.39	
		<i>For &gt;75 To 100, Deduct</i>	-8.67	
		<i>For &gt;100 To 200, Deduct</i>	-14.04	
		<i>For &gt;200, Deduct</i>	-19.30	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 34 00 00-0013	SQ		65 Mil, Fire Rated, Polyester Non Woven Fabric Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self Adhering (Owens Corning® WeatherLock® Specialty Tile And Metal) .....	140.28	19.59
			<i>For Steep Roof, Over 7 To 12, Add</i>	12.53	
			<i>For &gt;50 To 75, Deduct</i>	-4.04	
			<i>For &gt;75 To 100, Deduct</i>	-8.06	
			<i>For &gt;100 To 200, Deduct</i>	-13.08	
			<i>For &gt;200, Deduct</i>	-18.07	
07 34 00 00-0014	SQ		45 Mil, Fire Rated, High Temperature, Synthetic Polymer Surfaced, Modified Rubberized Asphalt, Roofing Underlayment, Self-Adhering (TITANIUM™ PSU-30) .....	200.71	19.59
			<i>For Steep Roof, Over 7 To 12, Add</i>	12.53	
			<i>For &gt;50 To 75, Deduct</i>	-6.46	
			<i>For &gt;75 To 100, Deduct</i>	-12.29	
			<i>For &gt;100 To 200, Deduct</i>	-19.73	
			<i>For &gt;200, Deduct</i>	-26.53	
07 34 00 00-0015	SQ		25 Mil, Fire Rated, Embossed Surface, Rubberized Asphalt Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Select).....	168.80	19.59
			<i>For Steep Roof, Over 7 To 12, Add</i>	12.53	
			<i>For &gt;50 To 75, Deduct</i>	-5.19	
			<i>For &gt;75 To 100, Deduct</i>	-10.05	
			<i>For &gt;100 To 200, Deduct</i>	-16.22	
			<i>For &gt;200, Deduct</i>	-22.07	
07 34 00 00-0016	SQ		40 Mil, Fire Rated, Embossed Surface, Rubberized Asphalt Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ice And Water Shield®) .....	251.04	19.59
			<i>For Steep Roof, Over 7 To 12, Add</i>	12.53	
			<i>For &gt;50 To 75, Deduct</i>	-8.48	
			<i>For &gt;75 To 100, Deduct</i>	-15.81	
			<i>For &gt;100 To 200, Deduct</i>	-25.26	
			<i>For &gt;200, Deduct</i>	-33.58	
07 34 00 00-0017	SQ		40 Mil, Fire Rated, High Temperature, Embossed Surface, Rubberized Asphalt Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ice And Water Shield® HT) .....	287.06	19.59
			<i>For Steep Roof, Over 7 To 12, Add</i>	12.53	
			<i>For &gt;50 To 75, Deduct</i>	-9.92	
			<i>For &gt;75 To 100, Deduct</i>	-18.33	
			<i>For &gt;100 To 200, Deduct</i>	-29.23	
			<i>For &gt;200, Deduct</i>	-38.62	
07 34 00 00-0018	SQ		30 Mil, Fire Rated, High Temperature, Fire Rated, Embossed Surface, Butyl Rubber Based Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ultra) .....	422.21	19.59
			<i>For Steep Roof, Over 7 To 12, Add</i>	12.53	
			<i>For &gt;50 To 75, Deduct</i>	-15.32	
			<i>For &gt;75 To 100, Deduct</i>	-27.79	
			<i>For &gt;100 To 200, Deduct</i>	-44.09	
			<i>For &gt;200, Deduct</i>	-57.54	

**07 40 Roofing and Siding Panels** <sup>(07)</sup>

**07 41 Roof Panels** <sup>(07 40)</sup>

Note: Includes standard fasteners, grommets, cleats for installation.

**07 41 13 Metal Roof Panels** <sup>(07 41)</sup>

**07 41 13 00-0001 Exposed Fastener Metal Roofing** <sup>(07 41 13)</sup>

Note: Includes 15 year warranty and all warranties are no dollar limit to include material and labor.

**07 41 13 00-0002 Galvanized Exposed Fastener Metal Roofing** <sup>(07 41 13 00-0001)</sup>

**07 41 13 00-0003 Galvanized Steel Exposed Fastener Metal Roof Panels** <sup>(07 41 13 00-0002)</sup>

07 41 13 00-0004	SF		18 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels.....	7.98	2.50
			<i>For Fluoropolymer (Kynar®) Coating, Add</i>	1.25	
			<i>For Steep Roof, Over 7 To 12, Add</i>	1.29	
07 41 13 00-0005	SF		20 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels.....	7.28	2.50
			<i>For Fluoropolymer (Kynar®) Coating, Add</i>	1.25	
			<i>For Steep Roof, Over 7 To 12, Add</i>	1.29	
07 41 13 00-0006	SF		22 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels.....	6.79	2.50
			<i>For Fluoropolymer (Kynar®) Coating, Add</i>	1.25	
			<i>For Steep Roof, Over 7 To 12, Add</i>	1.29	
07 41 13 00-0007	SF		24 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels.....	6.31	2.50
			<i>For Fluoropolymer (Kynar®) Coating, Add</i>	1.25	
			<i>For Steep Roof, Over 7 To 12, Add</i>	1.29	
07 41 13 00-0008	SF		26 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels.....	5.91	2.50
			<i>For Fluoropolymer (Kynar®) Coating, Add</i>	1.25	
			<i>For Steep Roof, Over 7 To 12, Add</i>	1.29	
07 41 13 00-0009	SF		29 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels.....	5.57	2.50
			<i>For Fluoropolymer (Kynar®) Coating, Add</i>	1.25	
			<i>For Steep Roof, Over 7 To 12, Add</i>	1.29	
07 41 13 00-0010	SF		30 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels.....	5.42	2.50
			<i>For Fluoropolymer (Kynar®) Coating, Add</i>	1.25	
			<i>For Steep Roof, Over 7 To 12, Add</i>	1.29	

**07 41 13 00-0011 Galvanized Exposed Fastener Metal Roof Accessories** <sup>(07 41 13 00-0002)</sup>

See CSI section 07 41 13 00-0038 for accessories.

07 41 13 00-0012	LF		Ridge Flashing For Galvanized Steel Exposed Fastener Roofing .....	23.25	2.60
			<i>For Steep Roof, Over 7 To 12, Add</i>	3.37	
			<i>For Fluoropolymer (Kynar®) Coating, Add</i>	1.27	
07 41 13 00-0013	LF		9" To 12" Girth, Eave Or Gable Flashing For Galvanized Steel Exposed Fastener Roofing .....	14.57	1.71
			<i>For Steep Roof, Over 7 To 12, Add</i>	2.25	
			<i>For Fluoropolymer (Kynar®) Coating, Add</i>	0.75	

**07 Thermal And Moisture Protection****07 40 Roofing and Siding Panels****07 41 Roof Panels**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
07 41 13 00-0014	LF Valley Flashing For Galvanized Steel Exposed Fastener Roofing..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Fluoropolymer (Kynar®) Coating, Add</i>	28.24 3.37 1.77	2.60
07 41 13 00-0015	LF Hip Flashing For Galvanized Steel Exposed Fastener Roofing ..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Fluoropolymer (Kynar®) Coating, Add</i>	23.70 3.37 1.32	2.60
<b>07 41 13 00-0016</b>	<b>Aluminum Exposed Fastener Metal Roofing (07 41 13 00-0001)</b>		
<b>07 41 13 00-0017</b>	<b>Aluminum Exposed Fastener Metal Roof Panels (07 41 13 00-0016)</b>		
07 41 13 00-0018	SF 0.0155", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels ..... <i>For Fluoropolymer (Kynar®) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	4.85 1.25 1.29	2.50
07 41 13 00-0019	SF 0.018", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels ..... <i>For Fluoropolymer (Kynar®) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	4.98 1.25 1.29	2.50
07 41 13 00-0020	SF 0.024", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels ..... <i>For Fluoropolymer (Kynar®) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	5.30 1.25 1.29	2.50
07 41 13 00-0021	SF 0.032", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels ..... <i>For Fluoropolymer (Kynar®) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	5.73 1.25 1.29	2.50
07 41 13 00-0022	SF 0.040", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels ..... <i>For Fluoropolymer (Kynar®) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	6.16 1.25 1.29	2.50
07 41 13 00-0023	SF 0.050", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels ..... <i>For Fluoropolymer (Kynar®) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	6.70 1.25 1.29	2.50
<b>07 41 13 00-0024</b>	<b>Aluminum Exposed Fastener Metal Roof Accessories (07 41 13 00-0016)</b>		
07 41 13 00-0025	LF Ridge Flashing For Aluminum Exposed Fastener Metal Roofing..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Fluoropolymer (Kynar®) Coating, Add</i>	26.31 3.37 1.58	2.60
07 41 13 00-0026	LF 9" To 12" Girth, Eave Or Gable Flashing For Aluminum Exposed Fastener Metal Roofing ..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Fluoropolymer (Kynar®) Coating, Add</i>	16.34 2.25 0.93	1.81
07 41 13 00-0027	LF Valley Flashing For Aluminum Exposed Fastener Metal Roofing ..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Fluoropolymer (Kynar®) Coating, Add</i>	32.55 3.37 2.20	2.60
07 41 13 00-0028	LF Hip Flashing For Aluminum Exposed Fastener Metal Roofing..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Fluoropolymer (Kynar®) Coating, Add</i>	26.88 3.37 1.64	2.60
<b>07 41 13 00-0029</b>	<b>Standing Seam Roofs (07 41 13)</b> Note: Includes all profiles of vertical leg and batten style standing seam roofing. Includes all clips, neoprene closures, metal closures, battens, tape sealer, tube sealant, fasteners, vent material, panel starters and cleats. Based on Garland R-Mer Clad or R-Mer Seam architectural roofing, R-Mer Loc architectural/structural roofing, and R-Mer Span structural roofing. Architectural roofing requires a solid substrate and underlayment, requires a minimum 3:12 pitch, and includes a 20 year no dollar limit warranty. Architectural/structural roofing does not require a solid substrate or underlayment, requires a minimum 3:12 pitch, and includes a 25 year no dollar limit warranty. Structural roofing does not require a solid substrate or underlayment, requires a minimum 1/4" per foot slope, and includes a 25 year no dollar limit warranty.		
<b>07 41 13 00-0030</b>	<b>Galvanized Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0029)</b> Note: All steel is galvanized G90 rated or galvalume®. Factory paint finish is Kynar 500®, Hylar 5000® or equal polyvinylidene fluoride (PVDF) finish.		
<b>07 41 13 00-0031</b>	<b>Galvanized Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0030)</b>		
07 41 13 00-0032	SF Architectural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing ..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Panels &lt;16" Wide, Add</i> <i>For Up To 1,500, Add</i> <i>For &gt;1,500 To 5,000, Add</i> <i>For &gt;5,000 To 10,000, Add</i>	11.12 1.60 0.65 1.54 2.78 1.67 0.28	2.65
07 41 13 00-0033	SF Architectural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing ..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Panels &lt;16" Wide, Add</i> <i>For Up To 1,500, Add</i> <i>For &gt;1,500 To 5,000, Add</i> <i>For &gt;5,000 To 10,000, Add</i>	11.66 1.60 0.66 1.57 2.92 1.75 0.29	2.65
07 41 13 00-0034	SF Architectural/Structural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing ..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Panels &lt;16" Wide, Add</i> <i>For Up To 1,500, Add</i> <i>For &gt;1,500 To 5,000, Add</i> <i>For &gt;5,000 To 10,000, Add</i>	10.63 1.60 0.64 1.52 2.66 1.59 0.27	2.65
07 41 13 00-0035	SF Architectural/Structural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing ..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Panels &lt;16" Wide, Add</i> <i>For Up To 1,500, Add</i> <i>For &gt;1,500 To 5,000, Add</i> <i>For &gt;5,000 To 10,000, Add</i>	10.82 1.60 0.64 1.53 2.71 1.62 0.27	2.65

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0036	SF		Structural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing..... For Steep Roof, Over 6 To 12, Add For 140 MPH Wind Load, Add For Panels <16" Wide, Add For Up To 1,500, Add For >1,500 To 5,000, Add For >5,000 To 10,000, Add	11.04 1.60 0.65 1.54 2.76 1.66 0.28	2.65
07 41 13 00-0037	SF		Structural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing..... For Steep Roof, Over 6 To 12, Add For 140 MPH Wind Load, Add For Panels <16" Wide, Add For Up To 1,500, Add For >1,500 To 5,000, Add For >5,000 To 10,000, Add	11.83 1.60 0.66 1.58 2.96 1.77 0.30	2.65
<b>07 41 13 00-0038</b>			<b>Accessories For Galvanized Steel Standing Seam Roofing (07 41 13 00-0030)</b>		
07 41 13 00-0039	LF		Ridge Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing..... For Steep Roof, Over 6 To 12, Add For 140 MPH Wind Load, Add	24.52 3.16 1.33	2.60
07 41 13 00-0040	LF		9" To 12" Girth, Eave Or Gable Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing..... For Steep Roof, Over 6 To 12, Add For 140 MPH Wind Load, Add	15.32 2.11 0.87	1.81
07 41 13 00-0041	LF		Valley Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing ..... For Steep Roof, Over 6 To 12, Add For 140 MPH Wind Load, Add	30.02 3.16 1.44	2.60
07 41 13 00-0042	LF		Hip Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing..... For Steep Roof, Over 6 To 12, Add For 140 MPH Wind Load, Add	25.02 3.16 1.34	2.60
<b>07 41 13 00-0043</b>			<b>Aluminum Standing Seam Concealed Fastener Roofing (07 41 13 00-0029)</b> Note: Factory paint finish is Kynar 500®, Hylar 5000® or equal polyvinylidene fluoride (PVDF) finish.		
<b>07 41 13 00-0044</b>			<b>Aluminum Standing Seam Concealed Fastener Roofing (07 41 13 00-0043)</b>		
07 41 13 00-0045	SF		Architectural 0.032" Aluminum Standing Seam Concealed Fastener Roofing..... For Steep Roof, Over 6 To 12, Add For 140 MPH Wind Load, Add For Panels <16" Wide, Add For Up To 1,500, Add For >1,500 To 5,000, Add For >5,000 To 10,000, Add	11.50 1.60 0.66 1.56 2.88 1.73 0.29	2.65
07 41 13 00-0046	SF		Architectural 0.040" Aluminum Standing Seam Concealed Fastener Roofing..... For Steep Roof, Over 6 To 12, Add For 140 MPH Wind Load, Add For Panels <16" Wide, Add For Up To 1,500, Add For >1,500 To 5,000, Add For >5,000 To 10,000, Add	11.96 1.60 0.66 1.58 2.99 1.79 0.30	2.65
07 41 13 00-0047	SF		Architectural/Structural Or Structural 0.032" Aluminum Standing Seam Concealed Fastener Roofing ..... For Steep Roof, Over 6 To 12, Add For 140 MPH Wind Load, Add For Panels <16" Wide, Add For Up To 1,500, Add For >1,500 To 5,000, Add For >5,000 To 10,000, Add	11.23 1.60 0.65 1.55 2.81 1.68 0.28	2.65
07 41 13 00-0048	SF		Architectural/Structural Or Structural 0.040" Aluminum Standing Seam Concealed Fastener Roofing ..... For Steep Roof, Over 6 To 12, Add For 140 MPH Wind Load, Add For Panels <16" Wide, Add For Up To 1,500, Add For >1,500 To 5,000, Add For >5,000 To 10,000, Add	12.09 1.60 0.67 1.59 3.02 1.81 0.30	2.65
<b>07 41 13 00-0049</b>			<b>Accessories For Aluminum Standing Seam Roofing (07 41 13 00-0043)</b>		
07 41 13 00-0050	LF		Ridge Flashing For Aluminum Standing Seam Concealed Fastener Roofing..... For Steep Roof, Over 6 To 12, Add For 140 MPH Wind Load, Add	27.89 3.16 1.40	2.60
07 41 13 00-0051	LF		9" To 12" Girth, Eave Or Gable Flashing For Aluminum Standing Seam Concealed Fastener Roofing..... For Steep Roof, Over 6 To 12, Add For 140 MPH Wind Load, Add	17.27 2.11 0.91	1.81
07 41 13 00-0052	LF		Valley Flashing For Aluminum Standing Seam Concealed Fastener Roofing ..... For Steep Roof, Over 6 To 12, Add For 140 MPH Wind Load, Add	34.76 3.16 1.54	2.60
07 41 13 00-0053	LF		Hip Flashing For Aluminum Standing Seam Concealed Fastener Roofing..... For Steep Roof, Over 6 To 12, Add For 140 MPH Wind Load, Add	28.52 3.16 1.41	2.60
<b>07 41 13 00-0054</b>			<b>Stainless Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0029)</b>		
<b>07 41 13 00-0055</b>			<b>Stainless Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0054)</b>		
07 41 13 00-0056	SF		Architectural 24 Gauge T304 Stainless Steel Standing Seam Concealed Fastener Roofing ..... For Steep Roof, Over 6 To 12, Add For 140 MPH Wind Load, Add For Panels <16" Wide, Add For Up To 1,500, Add For >1,500 To 5,000, Add For >5,000 To 10,000, Add	21.32 2.39 1.06 2.54 5.33 3.20 0.53	3.19

**07 Thermal And Moisture Protection****07 40 Roofing and Siding Panels****07 41 Roof Panels**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

07 41 13 00-0057	SF	Architectural 22 Gauge T304 Stainless Steel Standing Seam Concealed Fastener Roofing.....	24.15	3.19
		<i>For Steep Roof, Over 6 To 12, Add</i>	2.39	
		<i>For 140 MPH Wind Load, Add</i>	1.12	
		<i>For Panels &lt;16" Wide, Add</i>	2.68	
		<i>For Up To 1,500, Add</i>	6.04	
		<i>For &gt;1,500 To 5,000, Add</i>	3.62	
		<i>For &gt;5,000 To 10,000, Add</i>	0.60	
07 41 13 00-0058	SF	Architectural 24 Gauge T316 Stainless Steel Standing Seam Concealed Fastener Roofing.....	27.51	3.19
		<i>For Steep Roof, Over 6 To 12, Add</i>	2.39	
		<i>For 140 MPH Wind Load, Add</i>	1.19	
		<i>For Panels &lt;16" Wide, Add</i>	2.85	
		<i>For Up To 1,500, Add</i>	6.88	
		<i>For &gt;1,500 To 5,000, Add</i>	4.13	
		<i>For &gt;5,000 To 10,000, Add</i>	0.69	
07 41 13 00-0059	SF	Architectural 22 Gauge T316 Stainless Steel Standing Seam Concealed Fastener Roofing.....	31.83	3.19
		<i>For Steep Roof, Over 6 To 12, Add</i>	2.39	
		<i>For 140 MPH Wind Load, Add</i>	1.28	
		<i>For Panels &lt;16" Wide, Add</i>	3.07	
		<i>For Up To 1,500, Add</i>	7.96	
		<i>For &gt;1,500 To 5,000, Add</i>	4.77	
		<i>For &gt;5,000 To 10,000, Add</i>	0.80	
<b>07 41 13 00-0060 Accessories For Stainless Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0054)</b>				
07 41 13 00-0061	LF	Ridge Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing .....	63.71	2.91
		<i>For Steep Roof, Over 6 To 12, Add</i>	3.49	
		<i>For 140 MPH Wind Load, Add</i>	2.21	
07 41 13 00-0062	LF	9" To 12" Girth, Eave Or Gable Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing .....	34.58	1.91
		<i>For Steep Roof, Over 6 To 12, Add</i>	2.32	
		<i>For 140 MPH Wind Load, Add</i>	1.31	
07 41 13 00-0063	LF	Valley Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing.....	87.46	2.91
		<i>For Steep Roof, Over 6 To 12, Add</i>	3.46	
		<i>For 140 MPH Wind Load, Add</i>	2.67	
07 41 13 00-0064	LF	Hip Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing .....	65.60	2.91
		<i>For Steep Roof, Over 6 To 12, Add</i>	3.49	
		<i>For 140 MPH Wind Load, Add</i>	2.24	
<b>07 41 13 00-0065 Metal Roof Surfacing (07 41 13)</b>				
07 41 13 00-0066	SF	Acrylic, Metal Roof Primer, One Coat .....	0.42	
		<i>For Steep Roof, Over 7 To 12, Add</i>	0.06	
07 41 13 00-0067	SF	Acrylic Elastomeric, Surface Or Base Coating For Metal Roofing, One Coat .....	0.62	
		Note: 55% solids by volume.		
		<i>For Steep Roof, Over 7 To 12, Add</i>	0.06	
<b>07 41 33 Plastic Roof Panels (07 41)</b>				
<b>07 41 33 00-0001 Polyvinyl Chloride (PVC) Roofing Panels (07 41 33)</b>				
<b>07 41 33 00-0002 Polyvinyl Chloride (PVC) Roofing Panels (07 41 33 00-0001)</b>				
07 41 33 00-0003	SF	Solid Polyvinyl Chloride (PVC) Roofing Panels, 8" Wide .....	5.89	2.15
07 41 33 00-0004	SF	Solid Polyvinyl Chloride (PVC) Roofing Panels, 10" Wide .....	5.58	1.94
07 41 33 00-0005	SF	Solid Polyvinyl Chloride (PVC) Roofing Panels, Double 8" Wide.....	6.06	2.15
07 41 33 00-0006	SF	Solid Polyvinyl Chloride (PVC) Roofing Panels, Double 10" Wide.....	5.72	1.94
<b>07 41 33 00-0007 Polyvinyl Chloride (PVC) Roofing Accessories (07 41 33 00-0001)</b>				
07 41 33 00-0008	LF	1" "J" Channel, Starter Strip Trim.....	3.71	1.62
07 41 33 00-0009	LF	3-1/2" "J" Channel, Starter Strip Trim.....	5.04	1.62
07 41 33 00-0010	LF	Outside Corner Post, 7/8" Pocket.....	5.43	1.62
07 41 33 00-0011	LF	Inside Corner Post, 7/8" Pocket.....	4.39	1.62
<b>07 41 33 00-0012 Fiberglass Roofing Panel (07 41 33)</b>				
<b>07 41 33 00-0013 Corrugated Panels (07 41 33 00-0012)</b>				
07 41 33 00-0014	SF	8 Ounce Corrugated Fiberglass Panel.....	6.11	1.73
07 41 33 00-0015	SF	12 Ounce Corrugated Fiberglass Panel.....	6.97	1.73

**07 42 Wall Panels (07 40)****07 42 13 Metal Wall Panels (07 42)****07 42 13 19 Insulated Metal Wall Panels (07 42 13)****07 42 13 19-0001 Insulated Panels For Sash/Window Replacement (07 42 13 19)**

Note: Porcelain or polymer finish on aluminum panel with polystyrene core.

07 42 13 19-0002	SF	1" Insulated Panel For Sash Or Window Replacement.....	21.57	4.44
		<i>For Non-Insulated Panels, Deduct</i>	-3.16	
07 42 13 19-0003	SF	1-1/4" Insulated Panel For Sash Or Window Replacement.....	23.40	4.99
		<i>For Non-Insulated Panels, Deduct</i>	-3.37	
07 42 13 19-0004	SF	1-3/4" Insulated Panel For Sash Or Window Replacement.....	25.03	5.55
		<i>For Non-Insulated Panels, Deduct</i>	-3.59	
07 42 13 19-0005	SF	2-1/4" Insulated Panel For Sash Or Window Replacement.....	26.80	5.77
		<i>For Non-Insulated Panels, Deduct</i>	-3.81	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 42 13 19-0006	SF		3-1/4" Insulated Panel For Sash Or Window Replacement ..... <i>For Non-Insulated Panels, Deduct</i>	30.31 -4.43	6.33
07 42 13 19-0007	SF		4-1/4" Insulated Panel For Sash Or Window Replacement ..... <i>For Non-Insulated Panels, Deduct</i>	35.11 -5.31	7.00

**07 42 13 23 Metal Composite Material Wall Panels (07 42 13)**

**07 42 13 23-0001 24 Gauge, Galvanized Steel Insulated Tongue And Groove Metal Siding Panels (07 42 13 23)**

Note: G-90 galvanized steel, 24 gauge exterior face and 24 gauge interior liner. Galvalume® AZ-55 coating designation with texture. Non-CFC polyurethane foam core. Standard color on exterior and interior panels. CF Mesa Profile wall panels as manufactured by Meti-Span Corporation.

07 42 13 23-0002	SF		2" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels ..... <i>For AZ-50 Aluminum-Zinc Coated Exterior, Add</i> <i>For Premium Exterior Colors, Add</i>	19.21 0.24 0.12	2.31
07 42 13 23-0003	SF		2-1/2" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels ..... <i>For AZ-50 Aluminum-Zinc Coated Exterior, Add</i> <i>For Premium Exterior Colors, Add</i>	21.56 0.24 0.12	2.60
07 42 13 23-0004	SF		3" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels ..... <i>For AZ-50 Aluminum-Zinc Coated Exterior, Add</i> <i>For Premium Exterior Colors, Add</i>	23.56 0.24 0.12	2.96
07 42 13 23-0005	SF		4" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels ..... <i>For AZ-50 Aluminum-Zinc Coated Exterior, Add</i> <i>For Premium Exterior Colors, Add</i>	26.29 0.24 0.12	3.92

**07 42 63 Fabricated Wall Panel Assemblies (07 42)**

**07 42 63 00-0001 Insulated Freezer And Chiller Panels (07 42 63)**

Note: Excludes suspension system for ceiling support.

**07 42 63 00-0002 Polyurethane Sandwich Panel (07 42 63 00-0001)**

Note: With 22 gauge galvanized sheet metal face excludes painting.

07 42 63 00-0003	SF		2" 22 Gauge Freezer Panel Sheet Metal Both Faces .....	21.39	1.71
07 42 63 00-0004	SF		3" 22 Gauge Freezer Panel Sheet Metal Both Faces .....	22.68	1.71
07 42 63 00-0005	SF		4" 22 Gauge Freezer Panel Sheet Metal Both Faces .....	27.05	1.71
07 42 63 00-0006	SF		5" 22 Gauge Freezer Panel Sheet Metal Both Faces .....	29.30	1.82
07 42 63 00-0007	SF		6" 22 Gauge Freezer Panel Sheet Metal Both Faces .....	31.13	1.82
07 42 63 00-0008	SF		2" 22 Gauge Freezer Panel Sheet Metal One Face (Liner) .....	19.18	1.41
07 42 63 00-0009	SF		3" 22 Gauge Freezer Panel Sheet Metal One Face (Liner) .....	20.90	1.41
07 42 63 00-0010	SF		4" 22 Gauge Freezer Panel Sheet Metal One Face (Liner) .....	25.25	1.51
07 42 63 00-0011	SF		5" 22 Gauge Freezer Panel Sheet Metal One Face (Liner) .....	24.48	1.51
07 42 63 00-0012	SF		6" 22 Gauge Freezer Panel Sheet Metal One Face (Liner) .....	28.85	1.51

**07 42 63 00-0013 Polyurethane Sandwich Panel (07 42 63 00-0001)**

Note: With .040 aluminum baked enamel finish.

07 42 63 00-0014	SF		2" Freezer Panel 0.040" Aluminum Finish Both Faces .....	10.53	1.71
07 42 63 00-0015	SF		3" Freezer Panel 0.040" Aluminum Finish Both Faces .....	11.18	1.71
07 42 63 00-0016	SF		4" Freezer Panel 0.040" Aluminum Finish Both Faces .....	12.88	1.71
07 42 63 00-0017	SF		5" Freezer Panel 0.040" Aluminum Finish Both Faces .....	13.97	1.82
07 42 63 00-0018	SF		6" Freezer Panel 0.040" Aluminum Finish Both Faces .....	14.73	1.82
07 42 63 00-0019	SF		2" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel) .....	9.39	1.41
07 42 63 00-0020	SF		3" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel) .....	10.04	1.41
07 42 63 00-0021	SF		4" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel) .....	10.75	1.51
07 42 63 00-0022	SF		5" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel) .....	12.46	1.51
07 42 63 00-0023	SF		6" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel) .....	13.52	1.51

**07 42 93 Soffit Panels (07 42)**

**07 42 93 00-0001 Aluminum Soffit And Fascia (07 42 93)**

Note: Excludes J-channel.

07 42 93 00-0002	LF		6" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit ..... <i>For 0.015" Thick, Deduct</i>	4.34 -0.07	1.55
07 42 93 00-0003	LF		10" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit ..... <i>For 0.015" Thick, Deduct</i>	5.30 -0.13	1.64
07 42 93 00-0004	LF		1" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit ..... <i>For 0.015" Thick, Deduct</i>	5.79 -0.16	1.68
07 42 93 00-0005	LF		1'-6" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit ..... <i>For 0.015" Thick, Deduct</i>	7.19 -0.25	1.77
07 42 93 00-0006	LF		2' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit ..... <i>For 0.015" Thick, Deduct</i>	8.76 -0.34	1.93
07 42 93 00-0007	LF		3' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit ..... <i>For 0.015" Thick, Deduct</i>	11.58 -0.53	2.13
07 42 93 00-0008	LF		4' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit ..... <i>For 0.015" Thick, Deduct</i>	14.43 -0.71	2.35
07 42 93 00-0009	LF		5' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit ..... <i>For 0.015" Thick, Deduct</i>	17.34 -0.89	2.58
07 42 93 00-0010	LF		4" Exposure, 0.024" Thick, Aluminum Fascia .....	5.03	1.52
07 42 93 00-0011	LF		6" Exposure, 0.024" Thick, Aluminum Fascia .....	5.49	1.55
07 42 93 00-0012	LF		8" Exposure, 0.024" Thick, Aluminum Fascia .....	6.40	1.60
07 42 93 00-0013	LF		10" Exposure, 0.024" Thick, Aluminum Fascia .....	7.36	1.64

**07 Thermal And Moisture Protection****07 40 Roofing and Siding Panels****07 42 Wall Panels**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST
**07 46 Siding (07 40)****07 46 16 Aluminum Siding (07 46)**

Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.

**07 46 16 00-0001 Aluminum Coil Stock Cladding (07 46 16)**

Note: Per SF of board, includes overlappage.

07 46 16 00-0002	SF	0.016" Thick, Aluminum Clad Siding.....	10.04	3.53
07 46 16 00-0003	SF	0.019" Thick, Aluminum Clad Siding.....	10.14	3.53
07 46 16 00-0004	SF	0.024" Thick, Aluminum Clad Siding.....	10.31	3.53

**07 46 16 00-0005 Aluminum Siding Panels (07 46 16)****07 46 16 00-0006 Corrugated Aluminum Siding Panels (07 46 16 00-0005)**

Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 16 00-0007	SF	0.019", Painted Finish, Corrugated Aluminum Siding Panel.....	6.77	2.01
07 46 16 00-0008	SF	0.021", Painted Finish, Corrugated Aluminum Siding Panel.....	7.00	2.01
07 46 16 00-0009	SF	0.024", Painted Finish, Corrugated Aluminum Siding Panel.....	7.75	2.01
07 46 16 00-0010	SF	0.032", Painted Finish, Corrugated Aluminum Siding Panel.....	9.22	2.01

**07 46 16 00-0011 V- Beam Aluminum Siding Panels (07 46 16 00-0005)**

Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 16 00-0012	SF	0.032", Painted Finish, V- Beam Aluminum Siding Panel.....	9.16	2.01
07 46 16 00-0013	SF	0.040", Painted Finish, V- Beam Aluminum Siding Panel.....	10.14	2.01
07 46 16 00-0014	SF	0.050", Painted Finish, V- Beam Aluminum Siding Panel.....	12.47	2.01

**07 46 16 00-0015 Box Ribbed Aluminum Siding Panels (07 46 16 00-0005)**

Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 16 00-0016	SF	0.032", Painted Finish, Box Ribbed Aluminum Siding Panel.....	9.58	2.01
07 46 16 00-0017	SF	0.040", Painted Finish, Box Ribbed Aluminum Siding Panel.....	10.53	2.01
07 46 16 00-0018	SF	0.050", Painted Finish, Box Ribbed Aluminum Siding Panel.....	11.11	2.01

**07 46 16 00-0019 Aluminum Siding Accessories (07 46 16)**

07 46 16 00-0020	LF	3/8" Pocket, Aluminum J-Channel.....	3.39	1.45
07 46 16 00-0021	LF	1/2" Pocket, Aluminum J-Channel.....	3.39	1.45
07 46 16 00-0022	LF	3/4" Pocket, Aluminum J-Channel.....	3.95	1.45
07 46 16 00-0023	LF	3/8" Pocket, Aluminum F-Channel.....	3.63	1.45
07 46 16 00-0024	LF	1/2" Pocket, Aluminum F-Channel.....	3.63	1.45

**07 46 19 Steel Siding (07 46)**

Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.

**07 46 19 00-0001 Steel Siding Panels (07 46 19)****07 46 19 00-0002 Corrugated Steel Siding Panels (07 46 19 00-0001)**

Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 19 00-0003	SF	20 Gauge, Painted Finish, Corrugated Steel Siding Panel.....	10.37	2.01
		<i>For Galvanized Instead Of Painted Steel, Add</i>	1.59	
07 46 19 00-0004	SF	22 Gauge, Painted Finish, Corrugated Steel Siding Panel.....	9.55	2.01
		<i>For Galvanized Instead Of Painted Steel, Add</i>	1.38	
07 46 19 00-0005	SF	24 Gauge, Painted Finish, Corrugated Steel Siding Panel.....	9.35	2.01
		<i>For Galvanized Instead Of Painted Steel, Add</i>	1.33	
07 46 19 00-0006	SF	26 Gauge, Painted Finish, Corrugated Steel Siding Panel.....	6.94	2.01
		<i>For Galvanized Instead Of Painted Steel, Add</i>	0.73	
07 46 19 00-0007	SF	28 Gauge, Painted Finish, Corrugated Steel Siding Panel.....	6.77	2.01
		<i>For Galvanized Instead Of Painted Steel, Add</i>	0.69	
07 46 19 00-0008	SF	30 Gauge, Painted Finish, Corrugated Steel Siding Panel.....	6.66	2.01
		<i>For Galvanized Instead Of Painted Steel, Add</i>	0.66	

**07 46 19 00-0009 Box Ribbed Steel Siding Panels (07 46 19 00-0001)**

Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 19 00-0010	SF	20 Gauge, Painted Finish, Box Ribbed Steel Siding Panel.....	9.75	2.01
		<i>For Galvanized Instead Of Painted Steel, Add</i>	1.44	
07 46 19 00-0011	SF	22 Gauge, Painted Finish, Box Ribbed Steel Siding Panel.....	9.38	2.01
		<i>For Galvanized Instead Of Painted Steel, Add</i>	1.34	
07 46 19 00-0012	SF	24 Gauge, Painted Finish, Box Ribbed Steel Siding Panel.....	9.13	2.01
		<i>For Galvanized Instead Of Painted Steel, Add</i>	1.28	
07 46 19 00-0013	SF	26 Gauge, Painted Finish, Box Ribbed Steel Siding Panel.....	8.73	2.01
		<i>For Galvanized Instead Of Painted Steel, Add</i>	1.18	
07 46 19 00-0014	SF	28 Gauge, Painted Finish, Box Ribbed Steel Siding Panel.....	7.85	2.01
		<i>For Galvanized Instead Of Painted Steel, Add</i>	0.96	

**07 46 19 00-0015 Clapboard Steel Siding Panels (07 46 19 00-0001)**

Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 19 00-0016	SF	29 Gauge, Painted Finish, Clapboard Steel Siding Panel.....	7.78	1.00
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**07 46 23 Wood Siding (07 46)**

Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>07 46 23 00-0001</b>			<b>Wood Lap Siding</b> (07 46 23)		
07 46 23 00-0002	LF		8" Wide Rough Sawn Cedar Lap Siding .....	3.79	1.52
07 46 23 00-0003	LF		10" Wide Rough Sawn Cedar Lap Siding .....	4.19	1.62
07 46 23 00-0004	LF		12" Wide Rough Sawn Cedar Lap Siding .....	4.63	1.72
07 46 23 00-0005	LF		6" To 8" Wide Southern Yellow Pine Lap Siding, D Grade .....	4.01	1.52
07 46 23 00-0006	LF		6" To 8" Wide Spruce Lap Siding, #2 Or Better .....	4.39	1.52
07 46 23 00-0007	LF		6" To 8" Wide Western Red Cedar, B Grade Lap Siding .....	5.23	1.52
07 46 23 00-0008	LF		6" To 8" Wide Western Red Cedar, A Grade Lap Siding .....	5.55	1.52
07 46 23 00-0009	LF		6" To 8" Wide Clear Heart Redwood Lap Siding .....	5.09	1.52
07 46 23 00-0010	LF		1" x 8" Cedar Round Or Flat Front Siding, Log Cabin .....	5.01	1.62
07 46 23 00-0011	LF		1" x 8" Cedar Beveled Siding, Channel, Rustic .....	5.01	1.62

<b>07 46 23 00-0012</b>			<b>Tongue And Groove Siding</b> (07 46 23)		
07 46 23 00-0013	SF		1" x 6" Tongue And Groove Southern Yellow Pine Siding .....	3.77	1.52
07 46 23 00-0014	SF		1" x 8" Tongue And Groove Southern Yellow Pine Siding .....	4.11	1.52
07 46 23 00-0015	SF		1" x 6" 105 Southern Yellow Pine Siding .....	3.85	1.52
07 46 23 00-0016	SF		1" x 8" 105 Southern Yellow Pine Siding .....	4.32	1.52

**07 46 29 Plywood Siding** (07 46)  
Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.

<b>07 46 29 00-0001</b>			<b>T-111 Siding</b> (07 46 29)		
07 46 29 00-0002	SF		5/8" T-111, Fine Grade Siding, Paint Ready Applied To Blackboard / Stud .....	4.53	0.78
			<i>For Pressure Treated, Add</i>	0.18	

**07 46 33 Plastic Siding** (07 46)  
Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.

<b>07 46 33 00-0001</b>			<b>Vinyl Siding</b> (07 46 33)		
			Note: Includes standard manufacturer's colors.		
<b>07 46 33 00-0002</b>			<b>Vinyl Siding Panels</b> (07 46 33 00-0001)		
			Note: Excludes J-channels, starter strips and trim.		
<b>07 46 33 00-0003</b>			<b>Horizontal Vinyl Siding Panels</b> (07 46 33 00-0002)		
			Note: Includes single, double or triple profiles. Includes traditional clapboard or dutch lap styles.		
07 46 33 00-0004	SF		7" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel .....	4.90	1.90
			<i>For 0.040" Thick, Deduct</i>	-0.16	
			<i>For 0.042" Thick, Deduct</i>	0.25	
			<i>For 0.046" Thick, Add</i>	0.66	
			<i>For Manufacturer's Custom Colors, Add</i>	0.06	
07 46 33 00-0005	SF		8" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel .....	4.68	1.79
			<i>For 0.040" Thick, Deduct</i>	-0.16	
			<i>For 0.042" Thick, Deduct</i>	0.25	
			<i>For 0.046" Thick, Add</i>	0.66	
			<i>For Manufacturer's Custom Colors, Add</i>	0.06	
07 46 33 00-0006	SF		9" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel .....	4.51	1.71
			<i>For 0.040" Thick, Deduct</i>	-0.16	
			<i>For 0.042" Thick, Deduct</i>	0.25	
			<i>For 0.046" Thick, Add</i>	0.66	
			<i>For Manufacturer's Custom Colors, Add</i>	0.06	
07 46 33 00-0007	SF		10" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel .....	4.34	1.63
			<i>For 0.040" Thick, Deduct</i>	-0.16	
			<i>For 0.042" Thick, Deduct</i>	0.25	
			<i>For 0.046" Thick, Add</i>	0.66	
			<i>For Manufacturer's Custom Colors, Add</i>	0.06	
07 46 33 00-0008	SF		12" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel .....	4.12	1.51
			<i>For 0.040" Thick, Deduct</i>	-0.16	
			<i>For 0.042" Thick, Deduct</i>	0.25	
			<i>For 0.046" Thick, Add</i>	0.66	
			<i>For Manufacturer's Custom Colors, Add</i>	0.06	

<b>07 46 33 00-0009</b>			<b>Vertical Vinyl Siding Panels</b> (07 46 33 00-0002)		
07 46 33 00-0010	SF		7" Exposure, 0.048" Thick, Board And Batten, Vinyl Siding Panel .....	5.75	1.90
			<i>For Manufacturer's Custom Colors, Add</i>	0.10	

<b>07 46 33 00-0011</b>			<b>Vinyl Siding Accessories</b> (07 46 33 00-0001)		
07 46 33 00-0012	LF		3/4" Pocket, Outside Corner Post For Vinyl Siding .....	5.72	1.45
			<i>For Manufacturer's Custom Colors, Add</i>	0.14	
07 46 33 00-0013	LF		1-1/8" Pocket, Outside Corner Post For Vinyl Siding .....	10.00	1.45
			<i>For Manufacturer's Custom Colors, Add</i>	0.35	
07 46 33 00-0014	LF		3/4" Pocket, Inside Corner Post For Vinyl Siding .....	4.64	1.45
			<i>For Manufacturer's Custom Colors, Add</i>	0.09	
07 46 33 00-0015	LF		1-1/8" Pocket, Inside Corner Post For Vinyl Siding .....	5.54	1.45
			<i>For Manufacturer's Custom Colors, Add</i>	0.13	
07 46 33 00-0016	LF		3/8" Pocket, J-Channel For Vinyl Siding .....	3.54	1.45
			<i>For Manufacturer's Custom Colors, Add</i>	0.04	
07 46 33 00-0017	LF		1/2" Pocket, J-Channel For Vinyl Siding .....	3.33	1.45
			<i>For Manufacturer's Custom Colors, Add</i>	0.03	
07 46 33 00-0018	LF		5/8" Pocket, J-Channel For Vinyl Siding .....	3.29	1.45
			<i>For Manufacturer's Custom Colors, Add</i>	0.03	
07 46 33 00-0019	LF		3/4" Pocket, J-Channel For Vinyl Siding .....	3.42	1.45
			<i>For Manufacturer's Custom Colors, Add</i>	0.04	

**07 Thermal And Moisture Protection****07 40 Roofing and Siding Panels****07 46 Siding**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 46 33 00-0020	LF	1" Pocket, J-Channel For Vinyl Siding <i>For Manufacturer's Custom Colors, Add</i>	4.02 0.06	1.45
07 46 33 00-0021	LF	1-1/4" Pocket, J-Channel For Vinyl Siding <i>For Manufacturer's Custom Colors, Add</i>	4.33 0.07	1.45
07 46 33 00-0022	LF	2-1/2" Pocket, J-Channel For Vinyl Siding <i>For Manufacturer's Custom Colors, Add</i>	4.91 0.07	1.45
07 46 33 00-0023	LF	1/2" Pocket, F-Channel For Vinyl Siding <i>For Manufacturer's Custom Colors, Add</i>	3.31 0.05	1.45
07 46 33 00-0024	LF	3/4" Pocket, 3-1/2" Lineal Trim For Vinyl Siding <i>For Manufacturer's Custom Colors, Add</i>	7.32 0.17	2.01
07 46 33 00-0025	LF	3/4" Pocket, 5" Lineal Trim For Vinyl Siding <i>For Manufacturer's Custom Colors, Add</i>	7.62 0.18	2.01
07 46 33 00-0026	LF	1-1/8" Pocket, 3-1/2" Lineal Trim For Vinyl Siding <i>For Manufacturer's Custom Colors, Add</i>	8.29 0.21	2.01
07 46 33 00-0027	LF	3/8" Pocket, 1-7/8" H-Mold For Vinyl Siding <i>For Manufacturer's Custom Colors, Add</i>	4.47 0.08	1.45
07 46 33 00-0028	LF	Vinyl Starter Strip For Vinyl Siding <i>For Manufacturer's Custom Colors, Add</i>	5.41 0.12	1.45
07 46 33 00-0029	LF	Undersill Trim For Vinyl Siding <i>For Manufacturer's Custom Colors, Add</i>	4.73 0.09	1.45

**07 46 33 00-0030 Vinyl Soffit And Fascia (07 46 33 00-0001)**

Note: Excludes J-channel.

07 46 33 00-0031	LF	6" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit <i>For 0.038" Thick, Deduct</i> <i>For 0.040" Thick, Deduct</i> <i>For Manufacturer's Custom Colors, Add</i>	4.13 -0.46 -0.37 0.05	1.55
07 46 33 00-0032	LF	10" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit <i>For 0.038" Thick, Deduct</i> <i>For 0.040" Thick, Deduct</i> <i>For Manufacturer's Custom Colors, Add</i>	4.95 -0.77 -0.63 0.08	1.64
07 46 33 00-0033	LF	1" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit <i>For 0.038" Thick, Deduct</i> <i>For 0.040" Thick, Deduct</i> <i>For Manufacturer's Custom Colors, Add</i>	5.37 -0.91 -0.76 0.10	1.68
07 46 33 00-0034	LF	1'-6" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit <i>For 0.038" Thick, Deduct</i> <i>For 0.040" Thick, Deduct</i> <i>For Manufacturer's Custom Colors, Add</i>	6.56 -1.39 -1.15 0.15	1.77
07 46 33 00-0035	LF	2" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit <i>For 0.038" Thick, Deduct</i> <i>For 0.040" Thick, Deduct</i> <i>For Manufacturer's Custom Colors, Add</i>	7.92 -1.84 -1.54 0.20	1.93
07 46 33 00-0036	LF	3" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit <i>For 0.038" Thick, Deduct</i> <i>For 0.040" Thick, Deduct</i> <i>For Manufacturer's Custom Colors, Add</i>	10.32 -2.77 -2.32 0.30	2.13
07 46 33 00-0037	LF	4" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit <i>For 0.038" Thick, Deduct</i> <i>For 0.040" Thick, Deduct</i> <i>For Manufacturer's Custom Colors, Add</i>	12.76 -3.71 -3.11 0.40	2.35
07 46 33 00-0038	LF	5" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit <i>For 0.038" Thick, Deduct</i> <i>For 0.040" Thick, Deduct</i> <i>For Manufacturer's Custom Colors, Add</i>	15.25 -4.64 -3.89 0.51	2.58
07 46 33 00-0039	LF	4" Exposure, Vinyl Fascia <i>For Manufacturer's Custom Colors, Add</i>	4.26 0.06	1.52
07 46 33 00-0040	LF	6" Exposure, Vinyl Fascia <i>For Manufacturer's Custom Colors, Add</i>	4.69 0.08	1.55
07 46 33 00-0041	LF	8" Exposure, Vinyl Fascia <i>For Manufacturer's Custom Colors, Add</i>	4.66 0.07	1.60
07 46 33 00-0042	LF	10" Exposure, Vinyl Fascia <i>For Manufacturer's Custom Colors, Add</i>	5.25 0.10	1.64

**07 46 33 00-0043 Fiberglass Siding (07 46 33)****07 46 33 00-0044 Corrugated Panels (07 46 33 00-0043)**

07 46 33 00-0045	SF	6 Ounce Corrugated Fiberglass Panels	6.31	2.24
07 46 33 00-0046	SF	8 Ounce Corrugated Fiberglass Panels	6.67	2.01
07 46 33 00-0047	SF	12 Ounce Corrugated Fiberglass Panels	7.33	2.01

**07 46 33 00-0048 Flat Panels (07 46 33 00-0043)**

07 46 33 00-0049	SF	6 Ounce Flat Fiberglass Panels	6.08	2.01
07 46 33 00-0050	SF	8 Ounce Flat Fiberglass Panels	6.67	2.01

**07 46 46 Fiber-Cement Siding (07 46)**

Note: Smooth or patterns. Includes sealer and primer.

**07 46 46 00-0001 5/16" Thick, Fiber Cement Lap Siding (07 46 46)**

07 46 46 00-0002	SF	5-1/4" Board with 4" Exposure, 5/16" Thick, Fiber Cement Lap Siding	6.87	2.35
07 46 46 00-0003	SF	6-1/4" Board with 5" Exposure, 5/16" Thick, Fiber Cement Lap Siding	6.54	2.24
07 46 46 00-0004	SF	7-1/4" Board with 6" Exposure, 5/16" Thick, Fiber Cement Lap Siding	6.40	2.18
07 46 46 00-0005	SF	8-1/4" Board with 7" Exposure, 5/16" Thick, Fiber Cement Lap Siding	6.25	2.12
07 46 46 00-0006	SF	9-1/2" Board with 8" Exposure, 5/16" Thick, Fiber Cement Lap Siding	5.98	2.01
07 46 46 00-0007	SF	12" Board with 10-3/4" Exposure, 5/16" Thick, Fiber Cement Lap Siding	5.70	1.90

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 46 46 00-0008	LF		Starter Strip, Fiber Cement Lap Siding.....	1.51	0.56
<b>07 46 46 00-0009</b>			<b>Fiber Cement Shingle Siding (07 46 46)</b>		
07 46 46 00-0010	SF		Fiber Cement Shingle Siding.....	10.79	2.07
<b>07 46 46 00-0011</b>			<b>Fiber Cement Vertical Panel Siding (07 46 46)</b>		
07 46 46 00-0012	SF		Fiber Cement Vertical Panel Siding.....	5.06	1.68
<b>07 46 46 00-0013</b>			<b>Fiber Cement Trim Boards (07 46 46)</b>		
<b>07 46 46 00-0014</b>			<b>7/16" Thick, Fiber Cement Trim Boards (07 46 46 00-0013)</b>		
07 46 46 00-0015	LF		4" Wide, 7/16" Thick, Fiber Cement Trim Board.....	3.30	1.12
07 46 46 00-0016	LF		6" Wide, 7/16" Thick, Fiber Cement Trim Board.....	4.22	1.23
07 46 46 00-0017	LF		8" Wide, 7/16" Thick, Fiber Cement Trim Board.....	5.10	1.34
07 46 46 00-0018	LF		12" Wide, 7/16" Thick, Fiber Cement Trim Board.....	6.74	1.56
<b>07 46 46 00-0019</b>			<b>3/4" Thick Fiber Cement Trim Boards (07 46 46 00-0013)</b>		
07 46 46 00-0020	LF		4" Wide, 3/4" Thick, Fiber Cement Trim Board.....	3.47	1.12
07 46 46 00-0021	LF		6" Wide, 3/4" Thick, Fiber Cement Trim Board.....	4.49	1.23
07 46 46 00-0022	LF		8" Wide, 3/4" Thick, Fiber Cement Trim Board.....	5.54	1.34
07 46 46 00-0023	LF		12" Wide, 3/4" Thick, Fiber Cement Trim Board.....	5.77	1.56
<b>07 46 46 00-0024</b>			<b>1" Thick Fiber Cement Trim Boards (07 46 46 00-0013)</b>		
07 46 46 00-0025	LF		4" Wide, 1" Thick, Fiber Cement Trim Board.....	3.69	1.12
07 46 46 00-0026	LF		6" Wide, 1" Thick, Fiber Cement Trim Board.....	4.88	1.23
07 46 46 00-0027	LF		8" Wide, 1" Thick, Fiber Cement Trim Board.....	6.12	1.34
07 46 46 00-0028	LF		12" Wide, 1" Thick, Fiber Cement Trim Board.....	8.20	1.56
<b>07 46 46 00-0029</b>			<b>Fiber Cement Fascia Board (07 46 46)</b>		
07 46 46 00-0030	LF		5/4" x 3-1/2" Fiber Cement Fascia Board.....	7.15	2.22
07 46 46 00-0031	LF		5/4" x 5-1/2" Fiber Cement Fascia Board.....	9.24	2.47
07 46 46 00-0032	LF		5/4" x 7-1/4" Fiber Cement Fascia Board.....	10.59	2.47
07 46 46 00-0033	LF		5/4" x 11-1/4" Fiber Cement Fascia Board.....	14.41	2.90
<b>07 46 46 00-0034</b>			<b>Fiber Cement Soffit Boards (07 46 46)</b>		
07 46 46 00-0035	SF		1/4" Thick, Non Vented Fiber Cement Soffit.....	6.45	1.60
07 46 46 00-0036	SF		1/4" Thick, Vented Fiber Cement Soffit.....	6.86	1.60
<b>07 46 63</b>			<b>Fabricated Panel Assemblies with Siding (07 46)</b>		
<b>07 46 63 00-0001</b>			<b>Metal Liner Panels (07 46 63)</b>		
<b>07 46 63 00-0002</b>			<b>Galvanized Metal Liner Panels (07 46 63 00-0001)</b>		
07 46 63 00-0003	SF		24 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel.....	9.98	1.71
07 46 63 00-0004	SF		22 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel.....	11.04	1.71
07 46 63 00-0005	SF		20 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel.....	12.90	1.71
07 46 63 00-0006	SF		18 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel.....	13.10	1.71

### 07 50 Membrane Roofing (07)

See CSI section 07 22 16 00-0000 for insulation, 07 60 00 00-0000 for additional flashing, sheet metal and trim, 07 70 00 00-0000 for additional roof accessories.

### 07 51 Built-Up Bituminous Roofing (07 50)

#### 07 51 13 Built-Up Asphalt Roofing (07 51)

##### 07 51 13 00-0001 Built-Up Asphalt Roofing Components (07 51 13)

##### 07 51 13 00-0002 Built-Up Asphalt Membrane Roofing (07 51 13 00-0001)

Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0067 for built-up roofing demolition.

##### 07 51 13 00-0003 Cold Adhesive Applied, Built-Up Asphalt Membrane Roofing (07 51 13 00-0002)

Note: Includes applying cold adhesive and embedding the membrane.

##### 07 51 13 00-0004 Cold Adhesive Applied, Built-Up Asphalt Roofing Base, Ply And Cap Sheets (07 51 13 00-0003)

07 51 13 00-0005	SQ		Type IV, Asphalt Coated Fiberglass Ply Sheet, Cold Adhesive Applied.....	103.90	
			For Up To 10, Add	27.65	
			For >10 To 20, Add	15.55	
			For >20 To 40, Add	8.63	
			For >75 To 100, Deduct	-4.32	
			For >100 To 200, Deduct	-9.49	
			For >200, Deduct	-13.81	

**07 Thermal And Moisture Protection****07 50 Membrane Roofing****07 51 Built-Up Bituminous Roofing**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 51 13 00-0006	SQ	Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Cold Adhesive Applied .....	285.10	
		<i>For Up To 10, Add</i>	63.89	
		<i>For &gt;10 To 20, Add</i>	33.67	
		<i>For &gt;20 To 40, Add</i>	17.69	
		<i>For &gt;75 To 100, Deduct</i>	-8.85	
		<i>For &gt;100 To 200, Deduct</i>	-18.55	
		<i>For &gt;200, Deduct</i>	-27.40	
07 51 13 00-0007		<b>Cold Adhesive Applied, Built-Up Asphalt Roofing Flashing</b> (07 51 13 00-0003)		
07 51 13 00-0008	SF	Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Cold Adhesive Applied.....	6.87	
07 51 13 00-0009		<b>Hot-Mopped, Built-Up Asphalt Membrane Roofing</b> (07 51 13 00-0002)		
		Note: Includes mopping hot asphalt and embedding the membrane.		
07 51 13 00-0010		<b>Hot-Mopped, Built-Up Asphalt Roofing Base, Ply And Cap Sheets</b> (07 51 13 00-0009)		
07 51 13 00-0011	SQ	Type IV, Asphalt Coated Fiberglass Ply Sheet, Hot-Mopped.....	76.93	
		<i>For Up To 10, Add</i>	22.39	
		<i>For &gt;10 To 20, Add</i>	12.94	
		<i>For &gt;20 To 40, Add</i>	7.35	
		<i>For &gt;75 To 100, Deduct</i>	-3.67	
		<i>For &gt;100 To 200, Deduct</i>	-8.22	
		<i>For &gt;200, Deduct</i>	-11.89	
07 51 13 00-0012	SQ	Type VI, Asphalt Coated Fiberglass Ply Sheet, Hot-Mopped.....	82.10	
		<i>For Up To 10, Add</i>	23.42	
		<i>For &gt;10 To 20, Add</i>	13.46	
		<i>For &gt;20 To 40, Add</i>	7.61	
		<i>For &gt;75 To 100, Deduct</i>	-3.80	
		<i>For &gt;100 To 200, Deduct</i>	-8.48	
		<i>For &gt;200, Deduct</i>	-12.28	
07 51 13 00-0013	SQ	Fine Mineral Surfaced, Asphalt Coated Fiberglass Base Sheet, Hot-Mopped.....	87.97	
		<i>For Up To 10, Add</i>	24.59	
		<i>For &gt;10 To 20, Add</i>	14.05	
		<i>For &gt;20 To 40, Add</i>	7.90	
		<i>For &gt;75 To 100, Deduct</i>	-3.95	
		<i>For &gt;100 To 200, Deduct</i>	-8.77	
		<i>For &gt;200, Deduct</i>	-12.72	
07 51 13 00-0014	SQ	Asphalt Coated Fiberglass Venting Base Sheet, Hot-Mopped.....	153.08	
		<i>For Up To 10, Add</i>	37.62	
		<i>For &gt;10 To 20, Add</i>	20.56	
		<i>For &gt;20 To 40, Add</i>	11.15	
		<i>For &gt;75 To 100, Deduct</i>	-5.58	
		<i>For &gt;100 To 200, Deduct</i>	-12.03	
		<i>For &gt;200, Deduct</i>	-17.61	
07 51 13 00-0015	SQ	Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Hot-Mopped .....	258.14	
		<i>For Up To 10, Add</i>	58.63	
		<i>For &gt;10 To 20, Add</i>	31.06	
		<i>For &gt;20 To 40, Add</i>	16.41	
		<i>For &gt;75 To 100, Deduct</i>	-8.20	
		<i>For &gt;100 To 200, Deduct</i>	-17.28	
		<i>For &gt;200, Deduct</i>	-25.49	
07 51 13 00-0016	SQ	Granule Surfaced, Asphalt Coated Fiberglass Cap Sheet, Hot-Mopped .....	196.14	
		<i>For Up To 10, Add</i>	46.89	
		<i>For &gt;10 To 20, Add</i>	25.36	
		<i>For &gt;20 To 40, Add</i>	13.64	
		<i>For &gt;75 To 100, Deduct</i>	-6.82	
		<i>For &gt;100 To 200, Deduct</i>	-14.60	
		<i>For &gt;200, Deduct</i>	-21.42	
07 51 13 00-0017		<b>Hot-Mopped, Built-Up Asphalt Roofing Flashing</b> (07 51 13 00-0009)		
07 51 13 00-0018	SF	Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Hot-Mopped .....	4.41	
07 51 13 00-0019		<b>Mechanically Fastened, Built-Up Asphalt Membrane Roofing</b> (07 51 13 00-0002)		
		Note: Includes fasteners.		
07 51 13 00-0020		<b>Mechanically Fastened, Built-Up Asphalt Roofing Base, Ply And Cap Sheets</b> (07 51 13 00-0019)		
07 51 13 00-0021	SQ	Type VI, Asphalt Coated Fiberglass Ply Sheet, Mechanically Fastened.....	80.13	
		<i>For Up To 10, Add</i>	19.46	
		<i>For &gt;10 To 20, Add</i>	10.59	
		<i>For &gt;20 To 40, Add</i>	5.72	
		<i>For &gt;75 To 100, Deduct</i>	-2.86	
		<i>For &gt;100 To 200, Deduct</i>	-6.15	
		<i>For &gt;200, Deduct</i>	-9.01	
07 51 13 00-0022	SQ	Asphalt Coated Fiberglass Venting Base Sheet, Mechanically Fastened.....	151.11	
		<i>For Up To 10, Add</i>	33.66	
		<i>For &gt;10 To 20, Add</i>	17.69	
		<i>For &gt;20 To 40, Add</i>	9.27	
		<i>For &gt;75 To 100, Deduct</i>	-4.64	
		<i>For &gt;100 To 200, Deduct</i>	-9.70	
		<i>For &gt;200, Deduct</i>	-14.34	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0023	SQ		Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Mechanically Fastened ..... 256.17		
			<i>For Up To 10, Add</i>	54.67	
			<i>For &gt;10 To 20, Add</i>	28.19	
			<i>For &gt;20 To 40, Add</i>	14.53	
			<i>For &gt;75 To 100, Deduct</i>	-7.26	
			<i>For &gt;100 To 200, Deduct</i>	-14.95	
			<i>For &gt;200, Deduct</i>	-22.22	
07 51 13 00-0024			<b>Mechanically Fastened, Built-Up Asphalt Roofing Flashing</b> (07 51 13 00-0019) ..... 5.32		
07 51 13 00-0025	SF		Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Mechanically Fastened ..... 5.32		
07 51 13 00-0026			<b>Asphalt Saturated Organic Felt</b> (07 51 13 00-0001) ..... 100.66		
07 51 13 00-0027			<b>Cold Adhesive Applied, Asphalt Saturated Organic Felt</b> (07 51 13 00-0026) Note: Includes applying cold adhesive and embedding the felt.		
07 51 13 00-0028	SQ		15 LB, Asphalt Saturated Organic Base Or Ply Sheet, Cold Adhesive Applied ..... 100.66		
			<i>For Up To 10, Add</i>	27.01	
			<i>For &gt;10 To 20, Add</i>	15.22	
			<i>For &gt;20 To 40, Add</i>	8.47	
			<i>For &gt;75 To 100, Deduct</i>	-4.24	
			<i>For &gt;100 To 200, Deduct</i>	-9.33	
			<i>For &gt;200, Deduct</i>	-13.56	
07 51 13 00-0029	SQ		30 LB, Asphalt Saturated Organic Base Or Ply Sheet, Cold Adhesive Applied ..... 113.99		
			<i>For Up To 10, Add</i>	29.67	
			<i>For &gt;10 To 20, Add</i>	16.55	
			<i>For &gt;20 To 40, Add</i>	9.14	
			<i>For &gt;75 To 100, Deduct</i>	-4.57	
			<i>For &gt;100 To 200, Deduct</i>	-10.00	
			<i>For &gt;200, Deduct</i>	-14.56	
07 51 13 00-0030			<b>Hot-Mopped, Asphalt Saturated Organic Felt</b> (07 51 13 00-0026) Note: Includes mopping hot asphalt and embedding the felt.		
07 51 13 00-0031	SQ		15 LB, Asphalt Saturated Organic Base Or Ply Sheet, Hot-Mopped ..... 73.70		
			<i>For Up To 10, Add</i>	21.74	
			<i>For &gt;10 To 20, Add</i>	12.62	
			<i>For &gt;20 To 40, Add</i>	7.19	
			<i>For &gt;75 To 100, Deduct</i>	-3.59	
			<i>For &gt;100 To 200, Deduct</i>	-8.06	
			<i>For &gt;200, Deduct</i>	-11.65	
07 51 13 00-0032	SQ		30 LB, Asphalt Saturated Organic Base Or Ply Sheet, Hot-Mopped ..... 87.02		
			<i>For Up To 10, Add</i>	24.40	
			<i>For &gt;10 To 20, Add</i>	13.95	
			<i>For &gt;20 To 40, Add</i>	7.85	
			<i>For &gt;75 To 100, Deduct</i>	-3.93	
			<i>For &gt;100 To 200, Deduct</i>	-8.73	
			<i>For &gt;200, Deduct</i>	-12.65	
07 51 13 00-0033			<b>Mechanically Fastened, Asphalt Saturated Organic Felt</b> (07 51 13 00-0026) Note: Includes fasteners.		
07 51 13 00-0034	SQ		15 LB, Asphalt Saturated Organic Base Or Ply Sheet, Mechanically Fastened ..... 37.00		
			<i>For Up To 10, Add</i>	10.83	
			<i>For &gt;10 To 20, Add</i>	6.28	
			<i>For &gt;20 To 40, Add</i>	3.57	
			<i>For &gt;75 To 100, Deduct</i>	-1.78	
			<i>For &gt;100 To 200, Deduct</i>	-4.00	
			<i>For &gt;200, Deduct</i>	-5.78	
07 51 13 00-0035	SQ		30 LB, Asphalt Saturated Organic Base Or Ply Sheet, Mechanically Fastened ..... 50.33		
			<i>For Up To 10, Add</i>	13.50	
			<i>For &gt;10 To 20, Add</i>	7.61	
			<i>For &gt;20 To 40, Add</i>	4.23	
			<i>For &gt;75 To 100, Deduct</i>	-2.12	
			<i>For &gt;100 To 200, Deduct</i>	-4.66	
			<i>For &gt;200, Deduct</i>	-6.78	
07 51 13 00-0036			<b>Surfacing</b> (07 51 13 00-0001) ..... 162.55		
07 51 13 00-0037	SQ		400 LB/SQ Gravel Roofing Ballast, Set In Hot Asphalt Flood Coat ..... 162.55		
			<i>For Up To 10, Add</i>	49.70	
			<i>For &gt;10 To 20, Add</i>	29.14	
			<i>For &gt;20 To 40, Add</i>	16.72	
			<i>For &gt;75 To 100, Deduct</i>	-8.36	
			<i>For &gt;100 To 200, Deduct</i>	-18.87	
			<i>For &gt;200, Deduct</i>	-27.23	
07 51 13 00-0038	SQ		400 LB/SQ Gravel Roofing Ballast, Set In Cold Adhesive Flood Coat ..... 240.96		
			<i>For Up To 10, Add</i>	65.38	
			<i>For &gt;10 To 20, Add</i>	36.99	
			<i>For &gt;20 To 40, Add</i>	20.64	
			<i>For &gt;75 To 100, Deduct</i>	-10.32	
			<i>For &gt;100 To 200, Deduct</i>	-22.79	
			<i>For &gt;200, Deduct</i>	-33.11	
07 51 13 00-0039	CY		Gravel Roofing Ballast, Spread To Desired Thickness ..... 164.65		
			Note: Excludes hot asphalt or cold adhesive.		

**07 Thermal And Moisture Protection****07 50 Membrane Roofing****07 51 Built-Up Bituminous Roofing**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

07 51 13 00-0040	SQ	Protective Polypropylene Fabric Mat, Loose Laid.....	44.08
		Note: Installed as a separator mat (under membrane), a crushed stone mat (above membrane) or as a stone separator mat in ballasted systems.	
		For Up To 10, Add	11.08
		For >10 To 20, Add	6.11
		For >20 To 40, Add	3.34
		For >75 To 100, Deduct	-1.67
		For >100 To 200, Deduct	-3.62
		For >200, Deduct	-5.29
07 51 13 00-0041	SQ	Clay-Stabilized, Water-Based Asphalt Emulsion With Reinforcing Fibers, Weather-Proofing Surface Coating, Price Per Coat .....	117.03
		Note: Protective coating for use over built-up, SBS and APP modified bitumen, metal, concrete and wood roofs.	
		For Up To 10, Add	27.53
		For >10 To 20, Add	14.80
		For >20 To 40, Add	7.91
		For >75 To 100, Deduct	-3.96
		For >100 To 200, Deduct	-8.43
		For >200, Deduct	-12.39
07 51 13 00-0042	SQ	Fibrated Aluminum, Asphalt-Based, Reflective Weather-Proofing Surface Coating, Price Per Coat .....	104.06
		Note: Protective and reflective coating for use over built-up, SBS and APP modified bitumen and metal roofs.	
		For Up To 10, Add	24.94
		For >10 To 20, Add	13.50
		For >20 To 40, Add	7.27
		For >75 To 100, Deduct	-3.63
		For >100 To 200, Deduct	-7.78
		For >200, Deduct	-11.41
07 51 13 00-0043	SQ	Aluminum Flakes And Reinforcing Fibers Suspended In Emulsified Asphalt, Reflective Surface Coating, Price Per Coat.....	139.44
		Note: Reflective coating for use over smooth-surfaced built-up roofs.	
		For Up To 10, Add	32.01
		For >10 To 20, Add	17.04
		For >20 To 40, Add	9.03
		For >75 To 100, Deduct	-4.52
		For >100 To 200, Deduct	-9.55
		For >200, Deduct	-14.07
07 51 13 00-0044	SQ	100% Acrylic Elastomeric, Reflective Surface Coating, Price Per Coat.....	140.60
		Note: Reflective coating for use over built-up, SBS and APP modified bitumen roofs. For use on smooth or granule surfaced roofing systems.	
		For Up To 10, Add	32.24
		For >10 To 20, Add	17.15
		For >20 To 40, Add	9.09
		For >75 To 100, Deduct	-4.55
		For >100 To 200, Deduct	-9.61
		For >200, Deduct	-14.15
		For Installation Over Granule Surfaced Asphalt Roof Systems, Add	41.66
07 51 13 00-0045	SQ	100% Acrylic Elastomeric, Bleed Blocking Base Coating, Price Per Coat .....	145.37
		Note: Bleed blocking coating for use over built-up, Styrene-Butadiene-Styrene (SBS) and Atactic-Polypropylene (APP) modified bitumen roofs. For use on smooth or granule surfaced roofing systems.	
		For Up To 10, Add	33.20
		For >10 To 20, Add	17.63
		For >20 To 40, Add	9.33
		For >75 To 100, Deduct	-4.67
		For >100 To 200, Deduct	-9.85
		For >200, Deduct	-14.51
		For Installation Over Granule Surfaced Asphalt Roof Systems, Add	43.23
07 51 13 00-0046	SF	Ceramic Coated Roofing Granules, Hand Broadcast.....	2.33
		Note: For application over liquid flashing/membranes, asphalt bleed-out areas, modified or BUR membrane repairs, etc.	
07 51 13 00-0047	SF	Energy Star, Ceramic Coated UltraWhite Roofing Granules, Hand Broadcast.....	3.81
		Note: For application over liquid flashing/membranes, asphalt bleed-out areas, modified or BUR membrane repairs, etc.	
07 51 13 00-0048	SQ	Vapor Permeable Synthetic Underlayment (GAF Deck-Armor™).....	35.54
07 51 13 00-0049		<b>Walkway Pads</b> <small>(07 51 13 00-0001)</small>	
		Note: Set in hot asphalt or cold adhesive.	
07 51 13 00-0050	LF	5/16" Thick, 32" Wide, Skid Resistant, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Walkway Pad .....	29.26
07 51 13 00-0051	LF	1/2" Thick, 32" Wide, Skid Resistant, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Walkway Pad .....	34.84
07 51 13 00-0052		<b>Cant And Tapered Edge Strips</b> <small>(07 51 13 00-0001)</small>	
07 51 13 00-0053	LF	2" x 2" Perlite Cant Strip .....	4.08
07 51 13 00-0054	LF	3" x 3" Perlite Cant Strip .....	4.21
07 51 13 00-0055	LF	4" x 4" Perlite Cant Strip .....	4.82
07 51 13 00-0056	LF	3" x 3" Pressure Treated Wood Cant Strip, Cut Diagonally .....	4.53
07 51 13 00-0057	LF	4" x 4" Pressure Treated Wood Cant Strip, Cut Diagonally .....	4.77
07 51 13 00-0058	LF	1/2" x 6" Perlite Tapered Edge Strip .....	4.57
07 51 13 00-0059	LF	1/2" x 12" Perlite Tapered Edge Strip .....	5.27
07 51 13 00-0060	LF	1" x 12" Perlite Tapered Edge Strip .....	5.45
07 51 13 00-0061	LF	1" x 24" Perlite Tapered Edge Strip .....	6.18
07 51 13 00-0062	LF	1-1/2" x 12" Perlite Tapered Edge Strip .....	6.11
07 51 13 00-0063	LF	1-1/2" x 18" Perlite Tapered Edge Strip .....	7.43
07 51 13 00-0064	LF	1-1/2" x 24" Perlite Tapered Edge Strip .....	8.39
07 51 13 00-0065		<b>Asphalt Primer</b> <small>(07 51 13 00-0001)</small>	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

07 51 13 00-0066	SQ		Asphalt Primer For Roofing Systems.....33.15 Note: Foundation coating for hot-mopped and cold applied asphalt coatings, roof cements, and asphalt based roof adhesives. For use on weathered roofing, asphalt, concrete, gypsum, masonry, block, brick and metal surfaces.		
<b>07 51 13 00-0067</b>			<b>Demolish Built-Up Roofing</b> (07 51 13 00-0001) Note: For removing any asphalt, coal tar or modified bitumen roofing system, including surfacing material down to the insulation or recovery board. Includes removal of any basic roof accessories and any sheet metals; except special existing conditions (mechanical equipment piping, electrical, ducts, etc.). See CSI section 01 74 19 00-0000 for chutes, dumpsters and hauling.		
07 51 13 00-0068	SQ		Demolish Gravel/Slag Surfaced, Built Up Roofing System.....360.91 For Up To 10, Add 89.48 For >10 To 25, Add 53.69		
07 51 13 00-0069	SQ		Demolish Cap Sheet Surfaced, Built Up Roofing System.....278.42 Note: Includes protective surfacing. For Up To 10, Add 69.03 For >10 To 25, Add 41.42		
<b>07 51 13 00-0070</b>			<b>Roofing System Warranty</b> (07 51 13 00-0001) Note: The warranty tasks below are only to be used in conjunction with the built-up bituminous and modified bituminous membrane roofing sections. The appropriate task is to be applied to the completed roofing membrane systems, not individual components. All warranties are no dollar limit to include material, equipment and labor.		
07 51 13 00-0071	EA		Up To 50 SQ, 10 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty.....512.78		
07 51 13 00-0072	SQ		>50 SQ, 10 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty.....7.33		
07 51 13 00-0073	EA		Up To 50 SQ, 15 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty.....586.04		
07 51 13 00-0074	SQ		>50 SQ, 15 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty.....11.72		
07 51 13 00-0075	EA		Up To 50 SQ, 20 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty.....805.80		
07 51 13 00-0076	SQ		>50 SQ, 20 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty.....16.12		
<b>07 51 13 00-0077</b>			<b>Built-Up Roofing Components (Tremco)</b> (07 51 13) Note: All tasks presented as a single layer. Adhesives are priced separately.		
<b>07 51 13 00-0078</b>			<b>Cold Applied BUR Base Plies And Ply Sheets</b> (07 51 13 00-0077)		
07 51 13 00-0079	SQ		BURmastic Composite Ply, Cold Applied BUR Component.....118.81 Note: Asphalt coated polyester/glass/polyester trilaminate reinforced ply sheet. Type II. 55 mils. Also used as a hot or cold applied base sheet.		
07 51 13 00-0080	SQ		BURmastic Premium Composite Ply, Cold Applied BUR Component.....143.86 Note: Asphalt coated polyester/glass/polyester trilaminate reinforced high strength ply sheet. Type II. 57 mil. Also used as a hot or cold applied base sheet.		
07 51 13 00-0081	SQ		BURmastic Supreme Composite Ply, Cold Applied BUR Component.....165.37 Note: Asphalt coated polyester/glass/polyester trilaminate reinforced high strength ply sheet. Type II. 51 mil. Also used as a hot or cold applied base sheet.		
07 51 13 00-0082	SQ		28 LB BURmastic Glass Ply, Cold Applied BUR Component.....37.83 Note: Asphalt coated fiberglass base or ply sheet. Type II.		
07 51 13 00-0083	SQ		33 LB BURmastic Glass Ply, Cold Applied BUR Component.....54.62 Note: Asphalt coated fiberglass base or ply sheet. Type II.		
07 51 13 00-0084	SQ		POWERply Modified HE Base Sheet, Hot Or Cold Applied BUR Component.....225.23 Note: Smooth surfaced, high elongation polyester reinforced modified bitumen base sheet. Type I, Grade S. 94 mil.		
07 51 13 00-0085	SQ		POWERply Modified Heavy Duty Base Sheet, Hot Applied BUR Component.....208.38 Note: A smooth surfaced, non woven fiberglass/scrim fiberglass bilaminate reinforced modified bitumen membrane. 120 mil.		
<b>07 51 13 00-0086</b>			<b>Hot Or Cold Applied Modified Bitumen Cap Membrane</b> (07 51 13 00-0077)		
07 51 13 00-0087	SQ		POWERply Standard Smooth Cap Membrane, Hot Or Cold Applied BUR Component.....128.38 Note: Fiberglass reinforced modified bitumen membrane. Type I, Grade S. 80 mils. Also used as a hot or cold applied ply.		
07 51 13 00-0088	SQ		POWERply Premium Smooth Cap Membrane, Hot Or Cold Applied BUR Component.....337.97 Note: Polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 90 mils. Also used as a hot or cold applied ply.		
07 51 13 00-0089	SQ		POWERply Supreme Smooth Cap Membrane, Hot Or Cold Applied BUR Component.....558.22 Note: Polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 98 mils. Also used as a hot or cold applied ply.		
07 51 13 00-0090	SQ		POWERply Standard Cap Membrane, Hot Or Cold Applied BUR Component.....150.26 Note: Granule surface, fiberglass reinforced modified bitumen cap sheet membrane. 120 mils. Black or white surface.		
07 51 13 00-0091	SQ		POWERply Standard FR Cap Membrane, Hot Or Cold Applied BUR Component.....229.64 Note: Fire rated, granule surfaced, fiberglass reinforced modified bitumen membrane. Type I, Grade G. 120 mils.		
07 51 13 00-0092	SQ		POWERply Premium FR Cap Membrane, Hot Or Cold Applied BUR Component.....554.36 Note: Fire rated, granule surfaced, polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 160 mils. Black or white surface.		
07 51 13 00-0093	SQ		POWERply Standard FR GT24W Cap Membrane, Hot Or Cold Applied BUR Component.....404.12 Note: Highly reflective, fire rated, granule surfaced, fiberglass reinforced modified bitumen membrane meeting California's Title 24 requirements. Type I, Grade G, 120 mils.		
07 51 13 00-0094	SQ		POWERply HE FR Cap Sheet, Hot Applied BUR Component.....399.32 Note: High elongation, fire rated, granule surfaced, polyester reinforced modified bitumen membrane. 160 mils.		
<b>07 51 13 00-0095</b>			<b>Self Adhesive Base Plies And Ply Sheets</b> (07 51 13 00-0077)		
07 51 13 00-0096	SQ		POWERply SA Base Sheet, Self Adhesive Roofing.....232.07 Note: A self adhesive, fiberglass reinforced Styrene-Butadiene-Styrene (SBS) modified bitumen base sheet/underlayment. Type 1, Grade S. 80 mils.		
07 51 13 00-0097	SQ		POWERply SA FR Membrane, Self Adhesive Roofing.....460.87 Note: A fire rated, granule surfaced, polyester reinforced, self adhesive Styrene-Butadiene-Styrene (SBS) modified bitumen membrane. Type I, Grade G. 130 mils.		

**07 Thermal And Moisture Protection****07 50 Membrane Roofing****07 51 Built-Up Bituminous Roofing**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

<b>07 51 13 00-0098</b>	<b>Flashings</b> (07 51 13 00-0077)		
07 51 13 00-0099	LF 11-1/2" Hypalon Elastomeric Flashing.....	14.77	
	Note: 45 mils.		
07 51 13 00-0100	LF 19" Hypalon Elastomeric Flashing.....	24.04	
	Note: 45 mils.		
07 51 13 00-0101	LF 25" Hypalon Elastomeric Flashing.....	31.92	
	Note: 45 mils.		
07 51 13 00-0102	LF 38" Hypalon Elastomeric Flashing.....	46.78	
	Note: 45 mils.		
07 51 13 00-0103	LF 60-1/2" Hypalon Elastomeric Flashing.....	77.11	
	Note: 45 mils.		
07 51 13 00-0104	LF 12" TRA Elastomeric Flashing Membrane.....	11.79	
	Note: Polyester reinforced flashing membrane. 45 mils.		
07 51 13 00-0105	LF 18" TRA Elastomeric Flashing Membrane.....	19.27	
	Note: Polyester reinforced flashing membrane. 45 mils.		
07 51 13 00-0106	LF 24" TRA Elastomeric Flashing Membrane.....	25.66	
	Note: Polyester reinforced flashing membrane. 45 mils.		
07 51 13 00-0107	LF 36" TRA Elastomeric Flashing Membrane.....	37.47	
	Note: Polyester reinforced flashing membrane. 45 mils.		
07 51 13 00-0108	LF 60" TRA Elastomeric Flashing Membrane.....	63.10	
	Note: Polyester reinforced flashing membrane. 45 mils.		
07 51 13 00-0109	LF 4" BURmesh Fabric.....	3.46	
	Note: Glass membrane for reinforcement or repair of roof membranes and flashings.		
07 51 13 00-0110	LF 6" BURmesh Fabric.....	3.60	
	Note: Glass membrane for reinforcement or repair of roof membranes and flashings.		
07 51 13 00-0111	LF 12" BURmesh Fabric.....	5.05	
	Note: Glass membrane for reinforcement or repair of roof membranes and flashings.		
07 51 13 00-0112	LF 36" BURmesh Fabric.....	13.04	
	Note: Glass membrane for reinforcement or repair of roof membranes and flashings.		
<b>07 51 13 00-0113</b>	<b>Cold Applied Adhesives</b> (07 51 13 00-0077)		
07 51 13 00-0114	SQ BURmastic Inter-Ply Cold Applied Adhesive.....	145.89	
07 51 13 00-0115	SQ BURmastic Flood Coat Cold Applied Adhesive.....	240.34	
07 51 13 00-0116	SQ BURmastic SF Inter-Ply Cold Applied Adhesive.....	185.25	
07 51 13 00-0117	SQ BURmastic LV Inter-Ply Cold Applied Adhesive.....	145.89	
07 51 13 00-0118	SQ POWERply Standard Inter-Ply Cold Applied Adhesive.....	74.97	
07 51 13 00-0119	SQ POWERply Standard Flood Coat Cold Applied Adhesive.....	165.27	
07 51 13 00-0120	SQ POWERply White On White Cold Applied Adhesive.....	163.13	
07 51 13 00-0121	SQ Rock-It Cold Applied Adhesive For Gravel Applications.....	449.54	
07 51 13 00-0122	SQ FAS-n-FREE Cold Applied Adhesive (Beads 12" OC).....	248.20	
	Note: For insulation only.		
07 51 13 00-0123	SQ ECOLastic Cold Applied Adhesive.....	280.27	
<b>07 51 13 00-0124</b>	<b>Hot Applied Adhesives</b> (07 51 13 00-0077)		
07 51 13 00-0125	SQ Premium III Asphalt Inter-Ply Hot Applied Adhesive.....	54.07	
07 51 13 00-0126	SQ Premium III Asphalt Flood Coat Hot Applied Adhesive.....	98.56	
<b>07 51 13 00-0127</b>	<b>Flashings Adhesives</b> (07 51 13 00-0077)		
07 51 13 00-0128	LF Sheeting Bond Flashing Adhesive.....	18.58	
	Note: Used to attach Hypalon sheeting to asphalt or coal-tar roofing membranes.		
07 51 13 00-0129	LF Polyroof SF Flashing Mastic.....	24.21	
	Note: A solvent free, one part elastomeric roof mastic. Used to seal edges or as a repair mastic for split or cracked seals.		
07 51 13 00-0130	LF ELS Flashing Mastic.....	15.20	
	Note: Used for repairing flashings and asphalt built-up roof defects.		
07 51 13 00-0131	LF TremSEAL D General Purpose Sealant.....	5.83	
07 51 13 00-0132	LF TremSEAL HP High Performance Sealant.....	5.98	
07 51 13 00-0133	LF TremSEAL S Silicone Sealant.....	5.86	
<b>07 51 13 00-0134</b>	<b>Surfacing</b> (07 51 13 00-0077)		
07 51 13 00-0135	SQ TremLastic SP Non Fibered Elastomeric Emulsion Cold Applied Coating.....	216.45	
07 51 13 00-0136	SQ ICE Coating, Water Based, Heavy Bodied Elastomeric Roof Coating.....	485.07	
07 51 13 00-0137	SQ Polar Coat.....	126.21	
07 51 13 00-0138	SQ Alumanation 301, Asphalt Based, Fibrated Aluminum Roof Coating.....	154.03	
07 51 13 00-0139	SQ Wall-Tite, Elastomeric Coating For Exterior Above-Grade Walls.....	443.42	
07 51 13 00-0140	SQ Solarguard Hy-Build, Elastomeric Coating For Exterior Above-Grade Walls.....	203.54	
07 51 13 00-0141	SQ 100% Stitchbonded, Polyester Fabric (Tremco PERMAFAB).....	57.03	
<b>07 51 13 00-0142</b>	<b>Walkway Protection Pads</b> (07 51 13 00-0077)		
07 51 13 00-0143	LF 36" Wide, Fiberglass Reinforced Asphaltic Walkway Protection Pad (Tremco Trem-Tred®).....	28.87	
<b>07 51 13 00-0144</b>	<b>Primer</b> (07 51 13 00-0077)		
07 51 13 00-0145	SQ TREMprime WB Primer.....	33.64	
	Note: Water based polymer modified asphalt primer.		
07 51 13 00-0146	SQ Solarguard Masonry Primer, Acrylic Latex Primer For Wall Tite F Coating.....	72.13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>07 51 13 00-0147</b>			<b>Liquid Applied Roofing</b> (07 51 13 00-0077)		
07 51 13 00-0148	SQ		Trem-LAR LRM H Waterproofing (Horizontal).....	369.14	
			Note: One part liquid applied elastomeric roofing membrane. 60 mils.		
07 51 13 00-0149	SQ		Trem-LAR LRM V Waterproofing (Vertical).....	376.53	
			Note: One part liquid applied elastomeric roofing membrane. 60 mils.		
07 51 13 00-0150	SQ		AlphaGuard BIO Base Coat, High Performance, Two-Part, Polyurethane Roof Coating For Smooth BUR/MB, Concrete Or Single Ply Surfaces.....	481.69	
			Note: Two part liquid applied polyurethane roof coating. 48 mils.		
07 51 13 00-0151	SQ		AlphaGuard BIO Base Coat, High Performance, Two-Part, Polyurethane Roof Coating For Granule MB Surfaces.....	625.38	
			Note: Two part liquid applied polyurethane roof coating. 64 mils.		
07 51 13 00-0152	SQ		AlphaGuard BIO Top Coat, High Performance, Two-Part, Polyurethane Roof Coating.....	366.50	
			Note: Two part liquid applied polyurethane roof coating. 32 mils.		
07 51 13 00-0153	SQ		AlphaGuard Glass Mat.....	70.50	
			Note: Reinforcement mat for AlphaGuard systems.		
07 51 13 00-0154	SQ		AlphaGuard C-Prime Primer.....	72.58	
			Note: 100% solids epoxy primer for concrete surfaces.		
07 51 13 00-0155	SQ		AlphaGuard M-Prime Primer.....	77.85	
			Note: Water based primer for metal and plastic surfaces.		
07 51 13 00-0156	SQ		Geogard Primer.....	57.94	
			Note: Reactivation primer for cured AlphaGuard MT roof systems and coatings.		
07 51 13 00-0157	SQ		AlphaGuard Primer WB.....	52.32	
			Note: Water based polymer modified primer which conditions a variety of roofing substrates prior to the application of AlphaGuard systems.		
<b>07 51 13 00-0158</b>			<b>Atactic-Polypropylene (APP) Products</b> (07 51 13 00-0077)		
07 51 13 00-0159	SQ		POWERply Atactic-Polypropylene (APP) Base Sheet.....	190.66	
07 51 13 00-0160	SQ		POWERply Atactic-Polypropylene (APP) FR.....	359.90	
07 51 13 00-0161	SQ		POWERply Atactic-Polypropylene (APP) Smooth.....	288.44	
<b>07 51 13 00-0162</b>			<b>Tri-Polymer Alloy (TPA) White Membrane</b> (07 51 13 00-0077)		
07 51 13 00-0163	SQ		45 Mil Tri-Polymer Alloy (TPA) White Membrane.....	507.73	
07 51 13 00-0164	SQ		60 Mil Tri-Polymer Alloy (TPA) White Membrane.....	692.67	
07 51 13 00-0165	SQ		80 Mil Tri-Polymer Alloy (TPA) White Membrane.....	785.33	
<b>07 51 13 00-0166</b>			<b>Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane</b> (07 51 13 00-0077)		
07 51 13 00-0167	SQ		45 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane.....	581.84	
07 51 13 00-0168	SQ		60 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane.....	711.44	
07 51 13 00-0169	SQ		80 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane.....	868.27	
<b>07 51 13 00-0170</b>			<b>Tri-Polymer Alloy (TPA) Membrane Accessories</b> (07 51 13 00-0077)		
07 51 13 00-0171	EA		>1" To 4" Pipe Diameter, Prefabricated Tri-Polymer Alloy (TPA) Pipe Cone/Boot (Tremco).....	104.42	
07 51 13 00-0172	EA		>4" To 8" Pipe Diameter, Prefabricated Tri-Polymer Alloy (TPA) Pipe Cone/Boot (Tremco).....	118.56	
07 51 13 00-0173	LF		36" Wide, Thermoplastic Tri-Polymer Alloy (TPA) Walkway Protection Pad (Tremco).....	17.78	
07 51 13 00-0174	SQ		Factory Coated Steel Fasteners And Steel Or Plastic Membrane Plates (Tremco).....	61.82	
<b>07 51 13 00-0175</b>			<b>Thermoplastic Polyolefin (TPO) Polyester White Membrane</b> (07 51 13 00-0077)		
07 51 13 00-0176	SQ		45 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane.....	276.35	
07 51 13 00-0177	SQ		60 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane.....	278.99	
07 51 13 00-0178	SQ		80 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane.....	492.70	
<b>07 51 13 00-0179</b>			<b>Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane</b> (07 51 13 00-0077)		
07 51 13 00-0180	SQ		45 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane.....	319.15	
07 51 13 00-0181	SQ		60 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane.....	357.99	
07 51 13 00-0182	SQ		80 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane.....	517.33	
<b>07 51 13 00-0183</b>			<b>Chlorosulfonated Polyethylene (CSPE) White Membrane (Tremply HP 4510)</b> (07 51 13 00-0077)		
07 51 13 00-0184	SQ		45 Mil Chlorosulfonated Polyethylene (CSPE) White Membrane (Tremply HP 4510).....	843.51	
<b>07 51 13 00-0185</b>			<b>Single Ply Adhesives</b> (07 51 13 00-0077)		
07 51 13 00-0186	SQ		Low VOC, TPA Bonding Adhesive (Tremco).....	139.08	
07 51 13 00-0187	SQ		Water Based, TPA Bonding Adhesive (Tremco).....	156.66	
07 51 13 00-0188	SQ		Water Based, Fleece Backed Single Ply Bonding Adhesive (Tremco).....	136.53	
07 51 13 00-0189	SQ		Low VOC, TPO Bonding Adhesive (Tremco).....	92.18	
<b>07 51 13 00-0190</b>			<b>Warranty (Tremco)</b> (07 51 13 00-0077)		
07 51 13 00-0191	EA		Up To 10,000 SF 15 Year Roofing System Warranty.....	1,500.00	
07 51 13 00-0192	SF		>10,000 SF 15 Year Roofing System Warranty.....	0.15	
07 51 13 00-0193	EA		Up To 10,000 SF 20 Year Roofing System Warranty.....	2,000.00	
07 51 13 00-0194	SF		>10,000 SF 20 Year Roofing System Warranty.....	0.20	
<b>07 51 13 00-0195</b>			<b>Built-Up Roofing Components (Garland)</b> (07 51 13)		
			Note: All tasks presented as a single layer. Adhesives are priced separately.		

**07 Thermal And Moisture Protection****07 50 Membrane Roofing****07 51 Built-Up Bituminous Roofing**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

07 51 13 00-0196		<b>Modified Cap Membranes</b> <small>(07 51 13 00-0196)</small>	
07 51 13 00-0197		<b>Modified Cap Membranes, Hot/Cold Applied</b> <small>(07 51 13 00-0196)</small>	
		Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.	
07 51 13 00-0198	SQ	Stressply® FR Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Fiberglass Reinforced Membrane, Minimum 145 Mil .....	587.93
07 51 13 00-0199	SQ	Stressply® Plus Poly/Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Membrane With Recycled Rubber, 105 Mil.....	421.04
07 51 13 00-0200	SQ	Stressply® Plus FR Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Fiberglass Reinforced Membrane With Recycled Rubber, Minimum 155 Mil.....	520.94
07 51 13 00-0201	SQ	Stressply® E Eco-Responsible, Smooth Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Membrane With High Recycled Content And Renewable Materials .....	541.27
07 51 13 00-0202	SQ	Stressply® E FR Mineral Eco-Responsible, Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Membrane With High Recycled Content And Renewable Materials, Minimum 160 Mil .....	753.01
07 51 13 00-0203	SQ	Stressply® EUV Fiberglass Reinforced, Minimum Poly/Fiberglass Reinforced White T-24 Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Modified Membrane With Recycled Rubber, 160 Mil.....	846.32
07 51 13 00-0204	SQ	Versiply® III 80 Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, 80 Mil.....	355.51
		Note: Low strength cap sheet for hot or cold modified systems used with gravel.	
07 51 13 00-0205	SQ	Versiply® III Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, Minimum 145 Mil.....	449.16
07 51 13 00-0206	SQ	BiFlex® Cap Fiberglass Reinforced, Mineral Surfaced Styrene-Butadiene-Styrene (SBS) Modified Membrane, 140 Mil .....	275.27
07 51 13 00-0207		<b>Modified Cap Membranes, Self-Adhering</b> <small>(07 51 13 00-0196)</small>	
		Note: As manufactured by Garland. Pricing represents single ply per square. Includes 25 year leak-free warranty.	
07 51 13 00-0208	SQ	Stressply® SA FR Mineral Styrene-Butadiene-Styrene (SBS) Modified Self-Adhering Fiberglass Reinforced Membrane, Minimum 140 Mil .....	532.30
		Note: Self adhering system. One HPR SA FR base with one ply Stress Ply SA FR cap sheet.	
07 51 13 00-0209		<b>Modified Cap Membranes, Torch-Applied</b> <small>(07 51 13 00-0196)</small>	
		Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.	
07 51 13 00-0210	SQ	Stressply® IV Dual Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, 180 Mil .....	654.93
		Note: Smooth surfaced Styrene-Butadiene-Styrene (SBS) torch modified top ply of torch system with gravel.	
07 51 13 00-0211	SQ	Stressply® IV Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, Minimum 195 Mil.....	712.35
07 51 13 00-0212	SQ	Stressply® IV UV Mineral Fiberglass Reinforced, Starburst Surface Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, Title 24 Compliant, 195 Mil .....	750.63
07 51 13 00-0213		<b>Modified Cap Membranes, Coal Tar Pitch Systems</b> <small>(07 51 13 00-0196)</small>	
		Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.	
07 51 13 00-0214	SQ	Millennium® Poly/Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Membrane, Minimum 120 Mil .....	602.51
07 51 13 00-0215	SQ	Millennium® FR Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Fiberglass Reinforced Membrane, Minimum 160 Mil.....	953.99
07 51 13 00-0216	SQ	Millennium® Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Membrane, Minimum 160 Mil.....	776.95
07 51 13 00-0217		<b>Base Ply</b> <small>(07 51 13 00-0196)</small>	
		Note: Used with modified cap membranes, underlayment for metal systems, and reinforcement for restoration systems.	
07 51 13 00-0218	SQ	Flexbase® E120 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet Used As Base Ply With Biflex Cap, 120 Mil.....	537.68
07 51 13 00-0219	SQ	Flexbase® 80 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet Used As Base Ply With Biflex Cap, 80 Mil.....	338.50
07 51 13 00-0220	SQ	HPR® Glasbase Heavy Duty Double Coated ASTM D 4601, Type II Fiberglass, Type II, 55 Mil.....	77.98
		Note: Glasbase used in cold system, nailed to deck, or inner ply 2 plies with cap.	
07 51 13 00-0221	SQ	HPR® Glasfelt Asphalt Saturated Fiberglass Felt, ASTM D 2178 Type IV, 20 Mil .....	51.90
		Note: Inner ply felts for hot applied built up and modified BUR systems.	
07 51 13 00-0222	SQ	HPR® Premium Glasbase High Strength, Double Coated Premium Base Sheet, Far Exceeds ASTM D 4601 Type II, 55 Mil .....	63.02
07 51 13 00-0223	SQ	HPR® Premium Glasfelt Premium Asphalt Saturated Fiberglass Felt, ASTM D 2178 Type VI, 25 Mil.....	68.40
07 51 13 00-0224	SQ	HPR® Tribase Premium Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet, 60 Mil.....	105.45
		Note: Inner plies for cold applied modified, Styrene-Butadiene-Styrene (SBS) modified, or 2 plies under cap sheet.	
07 51 13 00-0225	SQ	Millennium® Base Poly/Fiberglass Reinforced Coal Tar Base Sheet For Cold Millennium Systems, 80 Mil .....	341.72
07 51 13 00-0226	SQ	HPR® SA FR Base Sheet Styrene-Butadiene-Styrene (SBS) Modified Self-Adhering Underlayment Used In SP SA Fiberglass Reinforced Systems, Minimum 80 Mil .....	296.04
		Note: Self adhering base ply for self adhering 2 ply system.	
07 51 13 00-0227	SQ	StressBase® 120 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Underlayment Used With VersiPly And StressPly Cap Sheets, 120 Mil.....	299.88
07 51 13 00-0228	SQ	StressBase® 80 Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Underlayment Used With VersiPly And StressPly Cap Sheets, 80 Mil.....	249.04
07 51 13 00-0229	LF	Garmesh® 6" Styrene-Butadiene-Styrene (SBS) Coated Woven Fiberglass Reinforcing Fabric .....	4.92
07 51 13 00-0230	LF	Grip Polyester® Firm Polyester Reinforcement Used For Cold Application Over Smooth BUR Or Modified Roof Systems .....	13.15
07 51 13 00-0231	SQ	Grip Polyester® Soft Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems .....	60.33
07 51 13 00-0232	LF	Grip Polyester® Soft 12" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems .....	6.39
07 51 13 00-0233	LF	Grip Polyester® Soft 4" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems .....	4.68

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 51 13 00-0234	LF		Grip Polyester® Soft 6" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems .....	5.38	
07 51 13 00-0235	SQ		HPR® Polyscrim Plus Polyester Reinforcement For Hot Bitumen Applications.....	130.86	

**07 51 13 00-0236 Coatings And Mastics For Roof Installation, Restoration And Repairs (07 51 13 00-0195)**

07 51 13 00-0237	SQ		Water Based Roof Primer, GarlaPrime VOC Primer.....	39.17	
07 51 13 00-0238	SQ		Black-Knight® Primer .....	36.35	
07 51 13 00-0239	SQ		Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Interply .....	144.73	
07 51 13 00-0240	SQ		Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Flood Coat (4-5 GAL/SQ) .....	154.23	
07 51 13 00-0241	SQ		Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Restoration (6-8 GAL/SQ) .....	245.51	
07 51 13 00-0242	SQ		Black-Knight® LV Hot Applied Polymer Modified Lower Viscosity Coal Tar Adhesive, Interply.....	391.22	
07 51 13 00-0243	SQ		Black-Knight® LV Hot Applied Polymer Modified Lower Viscosity Coal Tar Adhesive, Flood Coat.....	403.88	
07 51 13 00-0244	SQ		Energizer® K Plus FR Cold Applied Styrene-Butadiene-Styrene (SBS) Modified Asphalt Coating With Kevlar® For Smooth And Mineral Restoration, One Coat (3 GAL/SQ) .....	189.48	
07 51 13 00-0245	SQ		Energizer® K Plus FR Cold Applied Styrene-Butadiene-Styrene (SBS) Modified Asphalt Coating With Kevlar® For Smooth And Mineral Restoration, Restoration .....	312.99	
07 51 13 00-0246	SQ		Energizer® LO Low Odor Cold Applied Polyurethane Modified Asphalt Liquid Membrane For Smooth And Mineral Restoration, One Coat (3 GAL/SQ) .....	479.37	
07 51 13 00-0247	SQ		Energizer® LO Low Odor Cold Applied Polyurethane Modified Asphalt Liquid Membrane For Smooth And Mineral Restoration, Restoration.....	796.28	
07 51 13 00-0248	SQ		Garlastic® KM Plus Premium Hot Applied, Styrene-Ethylene-Butadiene-Styrene (SEBS) Modified Adhesive/Waterproofer, Interply .....	334.35	
07 51 13 00-0249	SQ		Garlastic® KM Plus Premium Hot Applied, Styrene-Ethylene-Butadiene-Styrene (SEBS) Modified Adhesive/Waterproofer, Flood Coat .....	347.01	
07 51 13 00-0250	SQ		Green-Lock® Flashing Adhesive 100% Solids Polyether, Zero VOC, Flashing Adhesive To Be Used With Styrene-Butadiene-Styrene (SBS) Sheets Only .....	730.32	
07 51 13 00-0251	SQ		Green-Lock® Membrane Adhesive 100% Solids Polyether, Zero VOC, Membrane Adhesive To Be Used With Styrene-Butadiene-Styrene (SBS) Sheets Only .....	317.62	
07 51 13 00-0252	SQ		HPR® All-Temp Asphalt Hot Applied, High Softening Point, High Penetration Mopping Asphalt, Interply .....	156.55	
07 51 13 00-0253	SQ		HPR® All-Temp Asphalt Hot Applied, High Softening Point, High Penetration Mopping Asphalt, Flood Coat.....	169.21	
07 51 13 00-0254	SQ		Insul-Lock® E HR Bio-Based High Rise Urethane Insulation Adhesive For New Construction Or Gravel .....	147.50	
07 51 13 00-0255	SQ		Insul-Lock® HR High Rise Urethane Insulation Adhesive For New Construction Or Gravel Recovers .....	138.00	
07 51 13 00-0256	SQ		Insul-Lock® HR Universal Primer All-Purpose Water Based Primer Designed For Use With The Insul-Lock Products .....	18.47	
Note: Adheres all insulation layers for cold systems.					
07 51 13 00-0257	SQ		Pyramic® Plus LO White, Water-Based Acrylic, Low VOC, Reflective Roof Coating, Energy Star, Top Coat Required.....	164.02	
07 51 13 00-0258	SQ		Pyramic® Plus LO Base Coat, Water-Based, Acrylic, Low VOC, Base Coating For A Pyramic System .....	159.04	
07 51 13 00-0259	LF		Silver-Flash® Aluminized Asphalt Fibered Trowel Grade Mastic Used With GarMesh.....	21.25	
07 51 13 00-0260	SQ		Solex® White, Kynar® Acrylic Topcoat Roof Coating Used With Pyramic Base Coat.....	211.89	
07 51 13 00-0261	SQ		Tuff-Flash™ Multi-Purpose Asphaltic Polyurethane Liquid Flashing Membrane Used With Reinforcing Fabric.....	1,229.20	
07 51 13 00-0262	SQ		Weatherscreen™ Rubberized, Fiber-Reinforced Fire-Rated Restoration For Modified And Gravel, Flood Coat (4-5 GAL/SQ).....	272.24	
07 51 13 00-0263	SQ		Weatherscreen™ Rubberized, Fiber-Reinforced Fire-Rated Restoration For Modified And Gravel .....	331.33	
07 51 13 00-0264	SQ		Weatherking® Cold Applied Rubber Modified Asphalt Interply Adhesive For Slopes Up To 3:12, Interply .....	124.41	
07 51 13 00-0265	SQ		Weatherking® Flashing Adhesive Brush Grade, Cold Applied Asphalt Adhesive For Flashings In A Weatherking System .....	426.32	
07 51 13 00-0266	SQ		Weatherking® Plus WC Cold Applied Rubber Modified, VOC Compliant Asphalt Interply Adhesive For Slopes Up To 2:12, Interply.....	123.50	
Note: Inner ply and flood coat SEBS modified adhesive for all cold systems with gravel.					

**07 52 Modified Bituminous Membrane Roofing (07 50)**

**07 52 13 Atactic-Polypropylene Modified Bituminous Membrane Roofing (07 52)**

Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0001 for additional components such as concrete primers, cant strips, surfacing, walkway boards, demolition and warranties.

**07 52 13 11 Cold Adhesive Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing (07 52 13)**

**07 52 13 11-0001 Cold Adhesive Applied Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing (07 52 13 11)**

Note: Includes fiberglass and/or polyester reinforcement. Includes applying cold adhesive and embedding the membrane. Includes heat welding side and end laps when required.

**07 52 13 11-0002 Cold Adhesive Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base, Ply And Cap Sheets (07 52 13 11-0001)**

07 52 13 11-0003	SQ		80 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Sheet, Cold Adhesive Applied.....	190.76	
			For Up To 10, Add	45.03	
			For >10 To 20, Add	24.23	
			For >20 To 40, Add	12.98	
			For >75 To 100, Deduct	-6.49	
			For >100 To 200, Deduct	-13.83	
			For >200, Deduct	-20.32	
07 52 13 11-0004	SQ		90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Cold Adhesive Applied .....	232.13	
			For Up To 10, Add	53.30	
			For >10 To 20, Add	28.37	
			For >20 To 40, Add	15.04	
			For >75 To 100, Deduct	-7.52	
			For >100 To 200, Deduct	-15.90	
			For >200, Deduct	-23.42	

**07 Thermal And Moisture Protection****07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 52 13 11-0005	SQ	160 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Cold Adhesive Applied .....	364.24
		<i>For Up To 10, Add</i>	79.72
		<i>For &gt;10 To 20, Add</i>	41.58
		<i>For &gt;20 To 40, Add</i>	21.65
		<i>For &gt;75 To 100, Deduct</i>	-10.82
		<i>For &gt;100 To 200, Deduct</i>	-22.51
		<i>For &gt;200, Deduct</i>	-33.33
07 52 13 11-0006	SQ	160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied .....	367.51
		<i>For Up To 10, Add</i>	81.03
		<i>For &gt;10 To 20, Add</i>	42.40
		<i>For &gt;20 To 40, Add</i>	22.14
		<i>For &gt;75 To 100, Deduct</i>	-11.07
		<i>For &gt;100 To 200, Deduct</i>	-23.08
		<i>For &gt;200, Deduct</i>	-34.15
07 52 13 11-0007	SQ	160 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied .....	263.17
		<i>For Up To 10, Add</i>	60.16
		<i>For &gt;10 To 20, Add</i>	31.96
		<i>For &gt;20 To 40, Add</i>	16.92
		<i>For &gt;75 To 100, Deduct</i>	-8.46
		<i>For &gt;100 To 200, Deduct</i>	-17.86
		<i>For &gt;200, Deduct</i>	-26.32
		<i>For Factory Applied White Reflective Surfacing, Add</i>	84.86
07 52 13 11-0008	SQ	160 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied .....	305.01
		<i>For Up To 10, Add</i>	68.53
		<i>For &gt;10 To 20, Add</i>	36.15
		<i>For &gt;20 To 40, Add</i>	19.01
		<i>For &gt;75 To 100, Deduct</i>	-9.51
		<i>For &gt;100 To 200, Deduct</i>	-19.96
		<i>For &gt;200, Deduct</i>	-29.46
		<i>For Factory Applied White Reflective Surfacing, Add</i>	84.86
07 52 13 11-0009	SQ	180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied .....	419.04
		<i>For Up To 10, Add</i>	91.34
		<i>For &gt;10 To 20, Add</i>	47.55
		<i>For &gt;20 To 40, Add</i>	24.72
		<i>For &gt;75 To 100, Deduct</i>	-12.36
		<i>For &gt;100 To 200, Deduct</i>	-25.66
		<i>For &gt;200, Deduct</i>	-38.02
		<i>For Factory Applied White Reflective Surfacing, Add</i>	84.86

**07 52 13 11-0010 Cold Adhesive Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Flashing (07 52 13 11-0001)**

07 52 13 11-0011	SF	160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Cold Adhesive Applied .....	5.34
07 52 13 11-0012	SF	180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Cold Adhesive Applied .....	8.18
		<i>For Factory Applied White Reflective Surfacing, Add</i>	0.85

**07 52 13 13 Torch-Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing (07 52 13)**
**07 52 13 13-0001 Torch-Applied Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing (07 52 13 13)**

Note: Includes fiberglass and/or polyester reinforcement. Includes adhering the membrane with a torch.

**07 52 13 13-0002 Torch-Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base, Ply And Cap Sheets (07 52 13 13-0001)**

07 52 13 13-0003	SQ	80 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Sheet, Torch-Applied .....	137.74
		<i>For Up To 10, Add</i>	34.41
		<i>For &gt;10 To 20, Add</i>	18.92
		<i>For &gt;20 To 40, Add</i>	10.32
		<i>For &gt;75 To 100, Deduct</i>	-5.16
		<i>For &gt;100 To 200, Deduct</i>	-11.18
		<i>For &gt;200, Deduct</i>	-16.34
07 52 13 13-0004	SQ	90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Torch-Applied .....	179.12
		<i>For Up To 10, Add</i>	42.69
		<i>For &gt;10 To 20, Add</i>	23.06
		<i>For &gt;20 To 40, Add</i>	12.39
		<i>For &gt;75 To 100, Deduct</i>	-6.19
		<i>For &gt;100 To 200, Deduct</i>	-13.25
		<i>For &gt;200, Deduct</i>	-19.44
07 52 13 13-0005	SQ	150 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied .....	215.77
		<i>For Up To 10, Add</i>	53.47
		<i>For &gt;10 To 20, Add</i>	29.31
		<i>For &gt;20 To 40, Add</i>	15.94
		<i>For &gt;75 To 100, Deduct</i>	-7.97
		<i>For &gt;100 To 200, Deduct</i>	-17.23
		<i>For &gt;200, Deduct</i>	-25.21
07 52 13 13-0006	SQ	160 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied .....	226.37
		<i>For Up To 10, Add</i>	55.59
		<i>For &gt;10 To 20, Add</i>	30.37
		<i>For &gt;20 To 40, Add</i>	16.47
		<i>For &gt;75 To 100, Deduct</i>	-8.24
		<i>For &gt;100 To 200, Deduct</i>	-17.76
		<i>For &gt;200, Deduct</i>	-26.00

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 52 13 13-0007	SQ	180 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied	312.31		
		<i>For Up To 10, Add</i>	72.77		
		<i>For &gt;10 To 20, Add</i>	38.97		
		<i>For &gt;20 To 40, Add</i>	20.77		
		<i>For &gt;75 To 100, Deduct</i>	-10.39		
		<i>For &gt;100 To 200, Deduct</i>	-22.06		
		<i>For &gt;200, Deduct</i>	-32.45		
07 52 13 13-0008	SQ	150 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	215.77		
		<i>For Up To 10, Add</i>	53.47		
		<i>For &gt;10 To 20, Add</i>	29.31		
		<i>For &gt;20 To 40, Add</i>	15.94		
		<i>For &gt;75 To 100, Deduct</i>	-7.97		
		<i>For &gt;100 To 200, Deduct</i>	-17.23		
		<i>For &gt;200, Deduct</i>	-25.21		
07 52 13 13-0009	SQ	160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	229.01		
		<i>For Up To 10, Add</i>	56.11		
		<i>For &gt;10 To 20, Add</i>	30.64		
		<i>For &gt;20 To 40, Add</i>	16.61		
		<i>For &gt;75 To 100, Deduct</i>	-8.30		
		<i>For &gt;100 To 200, Deduct</i>	-17.90		
		<i>For &gt;200, Deduct</i>	-26.20		
07 52 13 13-0010	SQ	180 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	312.31		
		<i>For Up To 10, Add</i>	72.77		
		<i>For &gt;10 To 20, Add</i>	38.97		
		<i>For &gt;20 To 40, Add</i>	20.77		
		<i>For &gt;75 To 100, Deduct</i>	-10.39		
		<i>For &gt;100 To 200, Deduct</i>	-22.06		
		<i>For &gt;200, Deduct</i>	-32.45		
07 52 13 13-0011	SQ	160 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	224.12		
		<i>For Up To 10, Add</i>	55.14		
		<i>For &gt;10 To 20, Add</i>	30.15		
		<i>For &gt;20 To 40, Add</i>	16.36		
		<i>For &gt;75 To 100, Deduct</i>	-8.18		
		<i>For &gt;100 To 200, Deduct</i>	-17.65		
		<i>For &gt;200, Deduct</i>	-25.83		
		<i>For Factory Applied White Reflective Surfacing, Add</i>	84.86		
07 52 13 13-0012	SQ	170 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	236.96		
		<i>For Up To 10, Add</i>	57.70		
		<i>For &gt;10 To 20, Add</i>	31.43		
		<i>For &gt;20 To 40, Add</i>	17.00		
		<i>For &gt;75 To 100, Deduct</i>	-8.50		
		<i>For &gt;100 To 200, Deduct</i>	-18.29		
		<i>For &gt;200, Deduct</i>	-26.80		
		<i>For Factory Applied White Reflective Surfacing, Add</i>	84.86		
07 52 13 13-0013	SQ	160 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	268.48		
		<i>For Up To 10, Add</i>	64.01		
		<i>For &gt;10 To 20, Add</i>	34.58		
		<i>For &gt;20 To 40, Add</i>	18.58		
		<i>For &gt;75 To 100, Deduct</i>	-9.29		
		<i>For &gt;100 To 200, Deduct</i>	-19.87		
		<i>For &gt;200, Deduct</i>	-29.16		
		<i>For Factory Applied White Reflective Surfacing, Add</i>	84.86		
07 52 13 13-0014	SQ	170 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	272.32		
		<i>For Up To 10, Add</i>	64.78		
		<i>For &gt;10 To 20, Add</i>	34.97		
		<i>For &gt;20 To 40, Add</i>	18.77		
		<i>For &gt;75 To 100, Deduct</i>	-9.39		
		<i>For &gt;100 To 200, Deduct</i>	-20.06		
		<i>For &gt;200, Deduct</i>	-29.45		
		<i>For Factory Applied White Reflective Surfacing, Add</i>	84.86		
07 52 13 13-0015	SQ	180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	379.98		
		<i>For Up To 10, Add</i>	86.31		
		<i>For &gt;10 To 20, Add</i>	45.73		
		<i>For &gt;20 To 40, Add</i>	24.16		
		<i>For &gt;75 To 100, Deduct</i>	-12.08		
		<i>For &gt;100 To 200, Deduct</i>	-25.44		
		<i>For &gt;200, Deduct</i>	-37.52		
		<i>For Factory Applied White Reflective Surfacing, Add</i>	84.86		

**07 52 13 13-0016 Torch-Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Flashing**  
(07 52 13 13-0001)

07 52 13 13-0017	SF	150 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	3.18		
07 52 13 13-0018	SF	160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	3.31		
07 52 13 13-0019	SF	180 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	4.15		
07 52 13 13-0020	SF	170 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	3.39		
		<i>For Factory Applied White Reflective Surfacing, Add</i>	0.85		
07 52 13 13-0021	SF	170 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	3.75		
		<i>For Factory Applied White Reflective Surfacing, Add</i>	0.85		
07 52 13 13-0022	SF	180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	4.82		
		<i>For Factory Applied White Reflective Surfacing, Add</i>	0.85		

**07 52 13 14 Mechanically Fastened Atactic-Polypropylene-Modified Bituminous Membrane Roofing**  
(07 52 13)

**07 52 13 14-0001 Mechanically Fastened Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing**  
(07 52 13 14)

Note: Includes fiberglass and/or polyester reinforcement. Includes fasteners.

**07 Thermal And Moisture Protection****07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

07 52 13 14-0002	Mechanically Fastened, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base And Ply Sheets <small>(07 52 13 14-0001)</small>		
07 52 13 14-0003	SQ 90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Mechanically Fastened.....	203.20	
	For Up To 10, Add	44.07	
	For >10 To 20, Add	22.90	
	For >20 To 40, Add	11.88	
	For >75 To 100, Deduct	-5.94	
	For >100 To 200, Deduct	-12.31	
	For >200, Deduct	-18.24	
<b>07 52 16</b>	<b>Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing <small>(07 52)</small></b>		
	Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0001 for additional components such as concrete primers, cant strips, surfacing, walkway boards, demolition and warranties.		
<b>07 52 16 11</b>	<b>Cold Adhesive Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing <small>(07 52 16)</small></b>		
07 52 16 11-0001	Cold Adhesive Applied Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing <small>(07 52 16 11)</small>		
	Note: Includes fiberglass and/or polyester reinforcement. Includes applying cold adhesive and embedding the membrane. Includes heat welding side and end laps when required.		
07 52 16 11-0002	Cold Adhesive Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets <small>(07 52 16 11-0001)</small>		
07 52 16 11-0003	SQ 50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied.....	150.25	
	For Up To 10, Add	36.92	
	For >10 To 20, Add	20.18	
	For >20 To 40, Add	10.95	
	For >75 To 100, Deduct	-5.47	
	For >100 To 200, Deduct	-11.81	
	For >200, Deduct	-17.28	
07 52 16 11-0004	SQ 80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied.....	196.19	
	For Up To 10, Add	46.11	
	For >10 To 20, Add	24.77	
	For >20 To 40, Add	13.25	
	For >75 To 100, Deduct	-6.62	
	For >100 To 200, Deduct	-14.11	
	For >200, Deduct	-20.73	
07 52 16 11-0005	SQ 90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied.....	202.11	
	For Up To 10, Add	47.30	
	For >10 To 20, Add	25.37	
	For >20 To 40, Add	13.54	
	For >75 To 100, Deduct	-6.77	
	For >100 To 200, Deduct	-14.40	
	For >200, Deduct	-21.17	
07 52 16 11-0006	SQ 120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Cold Adhesive Applied.....	275.39	
	For Up To 10, Add	61.95	
	For >10 To 20, Add	32.69	
	For >20 To 40, Add	17.21	
	For >75 To 100, Deduct	-8.60	
	For >100 To 200, Deduct	-18.07	
	For >200, Deduct	-26.67	
07 52 16 11-0007	SQ 125 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Cold Adhesive Applied.....	349.55	
	For Up To 10, Add	76.78	
	For >10 To 20, Add	40.11	
	For >20 To 40, Add	20.91	
	For >75 To 100, Deduct	-10.46	
	For >100 To 200, Deduct	-21.77	
	For >200, Deduct	-32.23	
07 52 16 11-0008	SQ 140 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	291.35	
	For Up To 10, Add	65.80	
	For >10 To 20, Add	34.78	
	For >20 To 40, Add	18.33	
	For >75 To 100, Deduct	-9.17	
	For >100 To 200, Deduct	-19.27	
	For >200, Deduct	-28.44	
07 52 16 11-0009	SQ 150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	299.32	
	For Up To 10, Add	67.39	
	For >10 To 20, Add	35.58	
	For >20 To 40, Add	18.73	
	For >75 To 100, Deduct	-9.37	
	For >100 To 200, Deduct	-19.67	
	For >200, Deduct	-29.04	
07 52 16 11-0010	SQ 125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	261.97	
	For Up To 10, Add	59.92	
	For >10 To 20, Add	31.84	
	For >20 To 40, Add	16.86	
	For >75 To 100, Deduct	-8.43	
	For >100 To 200, Deduct	-17.80	
	For >200, Deduct	-26.23	
	For Factory Applied White Reflective Surfacing, Add	84.86	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 11-0011	SQ		140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive		
			Applied .....	265.42	
			For Up To 10, Add	60.61	
			For >10 To 20, Add	32.19	
			For >20 To 40, Add	17.04	
			For >75 To 100, Deduct	-8.52	
			For >100 To 200, Deduct	-17.98	
			For >200, Deduct	-26.49	
			For Factory Applied White Reflective Surfacing, Add	84.86	
07 52 16 11-0012	SQ		150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive		
			Applied .....	297.20	
			For Up To 10, Add	66.97	
			For >10 To 20, Add	35.37	
			For >20 To 40, Add	18.62	
			For >75 To 100, Deduct	-9.31	
			For >100 To 200, Deduct	-19.57	
			For >200, Deduct	-28.88	
			For Factory Applied White Reflective Surfacing, Add	84.86	
07 52 16 11-0013	SQ		160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive		
			Applied .....	302.50	
			For Up To 10, Add	68.03	
			For >10 To 20, Add	35.90	
			For >20 To 40, Add	18.89	
			For >75 To 100, Deduct	-9.44	
			For >100 To 200, Deduct	-19.83	
			For >200, Deduct	-29.27	
			For Factory Applied White Reflective Surfacing, Add	84.86	
07 52 16 11-0014	SQ		170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive		
			Applied .....	348.85	
			For Up To 10, Add	77.30	
			For >10 To 20, Add	40.53	
			For >20 To 40, Add	21.21	
			For >75 To 100, Deduct	-10.60	
			For >100 To 200, Deduct	-22.15	
			For >200, Deduct	-32.75	
			For Factory Applied White Reflective Surfacing, Add	84.86	
07 52 16 11-0015	SQ		180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive		
			Applied .....	433.28	
			For Up To 10, Add	94.18	
			For >10 To 20, Add	48.97	
			For >20 To 40, Add	25.43	
			For >75 To 100, Deduct	-12.71	
			For >100 To 200, Deduct	-26.37	
			For >200, Deduct	-39.08	
			For Factory Applied White Reflective Surfacing, Add	84.86	
07 52 16 11-0016	SQ		125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	267.72	
			For Up To 10, Add	61.07	
			For >10 To 20, Add	32.42	
			For >20 To 40, Add	17.15	
			For >75 To 100, Deduct	-8.58	
			For >100 To 200, Deduct	-18.09	
			For >200, Deduct	-26.67	
			For Factory Applied White Reflective Surfacing, Add	84.86	
07 52 16 11-0017	SQ		140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	276.01	
			For Up To 10, Add	62.73	
			For >10 To 20, Add	33.25	
			For >20 To 40, Add	17.56	
			For >75 To 100, Deduct	-8.78	
			For >100 To 200, Deduct	-18.51	
			For >200, Deduct	-27.29	
			For Factory Applied White Reflective Surfacing, Add	84.86	
07 52 16 11-0018	SQ		150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	321.04	
			For Up To 10, Add	71.74	
			For >10 To 20, Add	37.75	
			For >20 To 40, Add	19.82	
			For >75 To 100, Deduct	-9.91	
			For >100 To 200, Deduct	-20.76	
			For >200, Deduct	-30.67	
			For Factory Applied White Reflective Surfacing, Add	84.86	
07 52 16 11-0019	SQ		160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	322.10	
			For Up To 10, Add	71.95	
			For >10 To 20, Add	37.86	
			For >20 To 40, Add	19.87	
			For >75 To 100, Deduct	-9.93	
			For >100 To 200, Deduct	-20.81	
			For >200, Deduct	-30.74	
			For Factory Applied White Reflective Surfacing, Add	84.86	
07 52 16 11-0020	SQ		170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	342.23	
			For Up To 10, Add	75.97	
			For >10 To 20, Add	39.87	
			For >20 To 40, Add	20.88	
			For >75 To 100, Deduct	-10.44	
			For >100 To 200, Deduct	-21.82	
			For >200, Deduct	-32.25	
			For Factory Applied White Reflective Surfacing, Add	84.86	

**07 Thermal And Moisture Protection****07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

07 52 16 11-0021 Cold Adhesive Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing <small>(07 52 16 11-0001)</small>		
07 52 16 11-0022	SF 150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	4.66
07 52 16 11-0023	SF 125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	4.28
	<i>For Factory Applied White Reflective Surfacing, Add</i>	0.85
07 52 16 11-0024	SF 140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	4.32
	<i>For Factory Applied White Reflective Surfacing, Add</i>	0.85
07 52 16 11-0025	SF 160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	4.69
	<i>For Factory Applied White Reflective Surfacing, Add</i>	0.85
07 52 16 11-0026	SF 170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	5.15
	<i>For Factory Applied White Reflective Surfacing, Add</i>	0.85
07 52 16 11-0027	SF 180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	6.00
	<i>For Factory Applied White Reflective Surfacing, Add</i>	0.85
07 52 16 11-0028	SF 125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	4.34
	<i>For Factory Applied White Reflective Surfacing, Add</i>	0.85
07 52 16 11-0029	SF 140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	4.42
	<i>For Factory Applied White Reflective Surfacing, Add</i>	0.85
07 52 16 11-0030	SF 160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	4.88
	<i>For Factory Applied White Reflective Surfacing, Add</i>	0.85
07 52 16 11-0031	SF 170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	5.09
	<i>For Factory Applied White Reflective Surfacing, Add</i>	0.85
07 52 16 11-0032	SF 145 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	6.73
07 52 16 11-0033	SF 160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	12.69

**07 52 16 12 Hot-Mopped Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16)**

07 52 16 12-0001	Hot-Mopped Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing <small>(07 52 16 12)</small>	
	Note: Includes fiberglass and/or polyester reinforcement. Includes mopping hot asphalt and embedding the membrane.	

**07 52 16 12-0002 Hot-Mopped, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets (07 52 16 12-0001)**

07 52 16 12-0003	SQ 50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped.....	123.28
	<i>For Up To 10, Add</i>	31.66
	<i>For &gt;10 To 20, Add</i>	17.58
	<i>For &gt;20 To 40, Add</i>	9.66
	<i>For &gt;75 To 100, Deduct</i>	-4.83
	<i>For &gt;100 To 200, Deduct</i>	-10.54
	<i>For &gt;200, Deduct</i>	-15.37
07 52 16 12-0004	SQ 80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped.....	169.22
	<i>For Up To 10, Add</i>	40.84
	<i>For &gt;10 To 20, Add</i>	22.17
	<i>For &gt;20 To 40, Add</i>	11.96
	<i>For &gt;75 To 100, Deduct</i>	-5.98
	<i>For &gt;100 To 200, Deduct</i>	-12.84
	<i>For &gt;200, Deduct</i>	-18.82
07 52 16 12-0005	SQ 90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped.....	175.15
	<i>For Up To 10, Add</i>	42.03
	<i>For &gt;10 To 20, Add</i>	22.77
	<i>For &gt;20 To 40, Add</i>	12.26
	<i>For &gt;75 To 100, Deduct</i>	-6.13
	<i>For &gt;100 To 200, Deduct</i>	-13.13
	<i>For &gt;200, Deduct</i>	-19.26
07 52 16 12-0006	SQ 120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Hot-Mopped.....	248.43
	<i>For Up To 10, Add</i>	56.69
	<i>For &gt;10 To 20, Add</i>	30.09
	<i>For &gt;20 To 40, Add</i>	15.92
	<i>For &gt;75 To 100, Deduct</i>	-7.96
	<i>For &gt;100 To 200, Deduct</i>	-16.80
	<i>For &gt;200, Deduct</i>	-24.76
07 52 16 12-0007	SQ 125 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Hot-Mopped.....	322.59
	<i>For Up To 10, Add</i>	71.52
	<i>For &gt;10 To 20, Add</i>	37.51
	<i>For &gt;20 To 40, Add</i>	19.63
	<i>For &gt;75 To 100, Deduct</i>	-9.81
	<i>For &gt;100 To 200, Deduct</i>	-20.50
	<i>For &gt;200, Deduct</i>	-30.32
07 52 16 12-0008	SQ 140 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	264.44
	<i>For Up To 10, Add</i>	60.55
	<i>For &gt;10 To 20, Add</i>	32.19
	<i>For &gt;20 To 40, Add</i>	17.06
	<i>For &gt;75 To 100, Deduct</i>	-8.53
	<i>For &gt;100 To 200, Deduct</i>	-18.01
	<i>For &gt;200, Deduct</i>	-26.54

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 12-0009	SQ		150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	272.42	
			<i>For Up To 10, Add</i>	62.15	
			<i>For &gt;10 To 20, Add</i>	32.99	
			<i>For &gt;20 To 40, Add</i>	17.45	
			<i>For &gt;75 To 100, Deduct</i>	-8.73	
			<i>For &gt;100 To 200, Deduct</i>	-18.41	
			<i>For &gt;200, Deduct</i>	-27.14	
07 52 16 12-0010	SQ		125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped .....	235.07	
			<i>For Up To 10, Add</i>	54.68	
			<i>For &gt;10 To 20, Add</i>	29.26	
			<i>For &gt;20 To 40, Add</i>	15.59	
			<i>For &gt;75 To 100, Deduct</i>	-7.79	
			<i>For &gt;100 To 200, Deduct</i>	-16.54	
			<i>For &gt;200, Deduct</i>	-24.34	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	84.86	
07 52 16 12-0011	SQ		140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped .....	238.51	
			<i>For Up To 10, Add</i>	55.37	
			<i>For &gt;10 To 20, Add</i>	29.60	
			<i>For &gt;20 To 40, Add</i>	15.76	
			<i>For &gt;75 To 100, Deduct</i>	-7.88	
			<i>For &gt;100 To 200, Deduct</i>	-16.72	
			<i>For &gt;200, Deduct</i>	-24.60	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	84.86	
07 52 16 12-0012	SQ		150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped .....	270.30	
			<i>For Up To 10, Add</i>	61.73	
			<i>For &gt;10 To 20, Add</i>	32.78	
			<i>For &gt;20 To 40, Add</i>	17.35	
			<i>For &gt;75 To 100, Deduct</i>	-8.67	
			<i>For &gt;100 To 200, Deduct</i>	-18.31	
			<i>For &gt;200, Deduct</i>	-26.98	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	84.86	
07 52 16 12-0013	SQ		160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped .....	275.59	
			<i>For Up To 10, Add</i>	62.78	
			<i>For &gt;10 To 20, Add</i>	33.31	
			<i>For &gt;20 To 40, Add</i>	17.61	
			<i>For &gt;75 To 100, Deduct</i>	-8.81	
			<i>For &gt;100 To 200, Deduct</i>	-18.57	
			<i>For &gt;200, Deduct</i>	-27.38	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	84.86	
07 52 16 12-0014	SQ		170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped .....	321.94	
			<i>For Up To 10, Add</i>	72.05	
			<i>For &gt;10 To 20, Add</i>	37.94	
			<i>For &gt;20 To 40, Add</i>	19.93	
			<i>For &gt;75 To 100, Deduct</i>	-9.97	
			<i>For &gt;100 To 200, Deduct</i>	-20.89	
			<i>For &gt;200, Deduct</i>	-30.85	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	84.86	
07 52 16 12-0015	SQ		180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped .....	406.38	
			<i>For Up To 10, Add</i>	88.94	
			<i>For &gt;10 To 20, Add</i>	46.39	
			<i>For &gt;20 To 40, Add</i>	24.15	
			<i>For &gt;75 To 100, Deduct</i>	-12.08	
			<i>For &gt;100 To 200, Deduct</i>	-25.11	
			<i>For &gt;200, Deduct</i>	-37.19	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	84.86	
07 52 16 12-0016	SQ		125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped .....	240.82	
			<i>For Up To 10, Add</i>	55.83	
			<i>For &gt;10 To 20, Add</i>	29.83	
			<i>For &gt;20 To 40, Add</i>	15.87	
			<i>For &gt;75 To 100, Deduct</i>	-7.94	
			<i>For &gt;100 To 200, Deduct</i>	-16.83	
			<i>For &gt;200, Deduct</i>	-24.77	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	84.86	
07 52 16 12-0017	SQ		140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped .....	249.11	
			<i>For Up To 10, Add</i>	57.49	
			<i>For &gt;10 To 20, Add</i>	30.66	
			<i>For &gt;20 To 40, Add</i>	16.29	
			<i>For &gt;75 To 100, Deduct</i>	-8.14	
			<i>For &gt;100 To 200, Deduct</i>	-17.25	
			<i>For &gt;200, Deduct</i>	-25.39	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	84.86	
07 52 16 12-0018	SQ		150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped .....	294.13	
			<i>For Up To 10, Add</i>	66.49	
			<i>For &gt;10 To 20, Add</i>	35.16	
			<i>For &gt;20 To 40, Add</i>	18.54	
			<i>For &gt;75 To 100, Deduct</i>	-9.27	
			<i>For &gt;100 To 200, Deduct</i>	-19.50	
			<i>For &gt;200, Deduct</i>	-28.77	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	84.86	
07 52 16 12-0019	SQ		160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped .....	295.19	
			<i>For Up To 10, Add</i>	66.70	
			<i>For &gt;10 To 20, Add</i>	35.27	
			<i>For &gt;20 To 40, Add</i>	18.59	
			<i>For &gt;75 To 100, Deduct</i>	-9.30	
			<i>For &gt;100 To 200, Deduct</i>	-19.55	
			<i>For &gt;200, Deduct</i>	-28.85	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	84.86	

**07 Thermal And Moisture Protection****07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 52 16 12-0020	SQ	170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	315.32
		<i>For Up To 10, Add</i> .....	70.73
		<i>For &gt;10 To 20, Add</i> .....	37.28
		<i>For &gt;20 To 40, Add</i> .....	19.60
		<i>For &gt;75 To 100, Deduct</i> .....	-9.80
		<i>For &gt;100 To 200, Deduct</i> .....	-20.56
		<i>For &gt;200, Deduct</i> .....	-30.36
		<i>For Factory Applied White Reflective Surfacing, Add</i> .....	84.86

**07 52 16 12-0021 Hot-Mopped, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing**
(07 52 16 12-0001)

07 52 16 12-0022	SF	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped.....	4.52
07 52 16 12-0023	SF	125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped.....	4.14
		<i>For Factory Applied White Reflective Surfacing, Add</i> .....	0.85
07 52 16 12-0024	SF	140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped.....	4.18
		<i>For Factory Applied White Reflective Surfacing, Add</i> .....	0.85
07 52 16 12-0025	SF	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped.....	4.50
		<i>For Factory Applied White Reflective Surfacing, Add</i> .....	0.85
07 52 16 12-0026	SF	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped.....	4.55
		<i>For Factory Applied White Reflective Surfacing, Add</i> .....	0.85
07 52 16 12-0027	SF	170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped.....	5.01
		<i>For Factory Applied White Reflective Surfacing, Add</i> .....	0.85
07 52 16 12-0028	SF	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped.....	5.86
		<i>For Factory Applied White Reflective Surfacing, Add</i> .....	0.85
07 52 16 12-0029	SF	125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped.....	4.20
		<i>For Factory Applied White Reflective Surfacing, Add</i> .....	0.85
07 52 16 12-0030	SF	140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped.....	4.28
		<i>For Factory Applied White Reflective Surfacing, Add</i> .....	0.85
07 52 16 12-0031	SF	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped.....	4.66
		<i>For Factory Applied White Reflective Surfacing, Add</i> .....	0.85
07 52 16 12-0032	SF	170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped.....	4.95
		<i>For Factory Applied White Reflective Surfacing, Add</i> .....	0.85
07 52 16 12-0033	SF	145 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped.....	6.60
07 52 16 12-0034	SF	160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped.....	12.55

**07 52 16 13 Torch-Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing**
(07 52 16)
**07 52 16 13-0001 Torch-Applied Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing**
(07 52 16 13)

Note: Includes fiberglass and/or polyester reinforcement. Includes adhering the membrane with a torch.

**07 52 16 13-0002 Torch-Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets**
(07 52 16 13-0001)

07 52 16 13-0003	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Torch-Applied.....	252.85
		<i>For Up To 10, Add</i> .....	60.88
		<i>For &gt;10 To 20, Add</i> .....	33.02
		<i>For &gt;20 To 40, Add</i> .....	17.80
		<i>For &gt;75 To 100, Deduct</i> .....	-8.90
		<i>For &gt;100 To 200, Deduct</i> .....	-19.09
		<i>For &gt;200, Deduct</i> .....	-27.99
07 52 16 13-0004	SQ	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied.....	227.16
		<i>For Up To 10, Add</i> .....	55.74
		<i>For &gt;10 To 20, Add</i> .....	30.45
		<i>For &gt;20 To 40, Add</i> .....	16.51
		<i>For &gt;75 To 100, Deduct</i> .....	-8.26
		<i>For &gt;100 To 200, Deduct</i> .....	-17.80
		<i>For &gt;200, Deduct</i> .....	-26.06
		<i>For Factory Applied White Reflective Surfacing, Add</i> .....	84.86
07 52 16 13-0005	SQ	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied.....	257.35
		<i>For Up To 10, Add</i> .....	61.78
		<i>For &gt;10 To 20, Add</i> .....	33.47
		<i>For &gt;20 To 40, Add</i> .....	18.02
		<i>For &gt;75 To 100, Deduct</i> .....	-9.01
		<i>For &gt;100 To 200, Deduct</i> .....	-19.31
		<i>For &gt;200, Deduct</i> .....	-28.32
		<i>For Factory Applied White Reflective Surfacing, Add</i> .....	84.86
07 52 16 13-0006	SQ	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied.....	394.23
		<i>For Up To 10, Add</i> .....	89.16
		<i>For &gt;10 To 20, Add</i> .....	47.16
		<i>For &gt;20 To 40, Add</i> .....	24.87
		<i>For &gt;75 To 100, Deduct</i> .....	-12.43
		<i>For &gt;100 To 200, Deduct</i> .....	-26.16
		<i>For &gt;200, Deduct</i> .....	-38.59
		<i>For Factory Applied White Reflective Surfacing, Add</i> .....	84.86

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 52 16 13-0007	SQ		150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied .....	235.80	
			For Up To 10, Add .....	57.47	
			For >10 To 20, Add .....	31.31	
			For >20 To 40, Add .....	16.95	
			For >75 To 100, Deduct .....	-8.47	
			For >100 To 200, Deduct .....	-18.24	
			For >200, Deduct .....	-26.71	
			For Factory Applied White Reflective Surfacing, Add .....	84.86	
07 52 16 13-0008	SQ		160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied .....	271.39	
			For Up To 10, Add .....	64.59	
			For >10 To 20, Add .....	34.87	
			For >20 To 40, Add .....	18.73	
			For >75 To 100, Deduct .....	-9.36	
			For >100 To 200, Deduct .....	-20.01	
			For >200, Deduct .....	-29.38	
			For Factory Applied White Reflective Surfacing, Add .....	84.86	
07 52 16 13-0009	SQ		165 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied .....	282.93	
			For Up To 10, Add .....	67.09	
			For >10 To 20, Add .....	36.17	
			For >20 To 40, Add .....	19.40	
			For >75 To 100, Deduct .....	-9.70	
			For >100 To 200, Deduct .....	-20.71	
			For >200, Deduct .....	-30.41	
			For Factory Applied White Reflective Surfacing, Add .....	84.86	
07 52 16 13-0010	SQ		180 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied .....	366.01	
			For Up To 10, Add .....	83.70	
			For >10 To 20, Add .....	44.48	
			For >20 To 40, Add .....	23.55	
			For >75 To 100, Deduct .....	-11.78	
			For >100 To 200, Deduct .....	-24.86	
			For >200, Deduct .....	-36.64	
			For Factory Applied White Reflective Surfacing, Add .....	84.86	

**07 52 16 13-0011 Torch-Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing (07 52 16 13-0001)**

07 52 16 13-0012	SF		150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied.....	3.63	
07 52 16 13-0013	SF		150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied.....	3.61	
			For Factory Applied White Reflective Surfacing, Add .....	0.85	
07 52 16 13-0014	SF		180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied.....	4.97	
			For Factory Applied White Reflective Surfacing, Add .....	0.85	
07 52 16 13-0015	SF		160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied .....	3.77	
			For Factory Applied White Reflective Surfacing, Add .....	0.85	
07 52 16 13-0016	SF		165 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied .....	3.84	
			For Factory Applied White Reflective Surfacing, Add .....	0.85	
07 52 16 13-0017	SF		180 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied .....	4.68	
			For Factory Applied White Reflective Surfacing, Add .....	0.85	
07 52 16 13-0018	SF		150 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied .....	4.86	
07 52 16 13-0019	SF		160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied .....	11.66	

**07 52 16 14 Mechanically Fastened Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16)**

**07 52 16 14-0001 Mechanically Fastened Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing (07 52 16 14)**  
Note: Includes fiberglass and/or polyester reinforcement. Includes fasteners.

**07 52 16 14-0002 Mechanically Fastened, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base And Ply Sheets (07 52 16 14-0001)**

07 52 16 14-0003	SQ		35 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Mechanically Fastened .....	157.55	
			For Up To 10, Add .....	34.94	
			For >10 To 20, Add .....	18.33	
			For >20 To 40, Add .....	9.59	
			For >75 To 100, Deduct .....	-4.80	
			For >100 To 200, Deduct .....	-10.02	
			For >200, Deduct .....	-14.82	
07 52 16 14-0004	SQ		50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened.....	121.31	
			For Up To 10, Add .....	27.70	
			For >10 To 20, Add .....	14.71	
			For >20 To 40, Add .....	7.78	
			For >75 To 100, Deduct .....	-3.89	
			For >100 To 200, Deduct .....	-8.21	
			For >200, Deduct .....	-12.10	
07 52 16 14-0005	SQ		80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened.....	156.99	
			For Up To 10, Add .....	34.83	
			For >10 To 20, Add .....	18.27	
			For >20 To 40, Add .....	9.57	
			For >75 To 100, Deduct .....	-4.78	
			For >100 To 200, Deduct .....	-10.00	
			For >200, Deduct .....	-14.78	

**07 Thermal And Moisture Protection****07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

07 52 16 14-0006	SQ	90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened .....	196.40	
		<i>For Up To 10, Add</i>	42.71	
		<i>For &gt;10 To 20, Add</i>	22.22	
		<i>For &gt;20 To 40, Add</i>	11.54	
		<i>For &gt;75 To 100, Deduct</i>	-5.77	
		<i>For &gt;100 To 200, Deduct</i>	-11.97	
		<i>For &gt;200, Deduct</i>	-17.73	
07 52 16 14-0007	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Mechanically Fastened .....	246.46	
		<i>For Up To 10, Add</i>	52.73	
		<i>For &gt;10 To 20, Add</i>	27.22	
		<i>For &gt;20 To 40, Add</i>	14.04	
		<i>For &gt;75 To 100, Deduct</i>	-7.02	
		<i>For &gt;100 To 200, Deduct</i>	-14.47	
		<i>For &gt;200, Deduct</i>	-21.49	
07 52 16 14-0008		<b>Mechanically Fastened, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing</b> <small>(07 52 16 14-0001)</small>		
07 52 16 14-0009	SF	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Mechanically Fastened .....	3.12	
07 52 16 14-0010	SF	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Mechanically Fastened .....	3.19	
<b>07 52 16 15</b>		<b>Self-Adhering Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing</b> <small>(07 52 16)</small>		
07 52 16 15-0001		<b>Self-Adhering Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing</b> <small>(07 52 16 15)</small>		
		Note: Includes fiberglass and/or polyester reinforcement. Includes removing the release film(s) from the membrane and applying the membrane.		
07 52 16 15-0002		<b>Self-Adhering, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets</b> <small>(07 52 16 15-0001)</small>		
07 52 16 15-0003	SQ	60 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering .....	126.47	
		<i>For Up To 10, Add</i>	29.42	
		<i>For &gt;10 To 20, Add</i>	15.74	
		<i>For &gt;20 To 40, Add</i>	8.39	
		<i>For &gt;75 To 100, Deduct</i>	-4.19	
		<i>For &gt;100 To 200, Deduct</i>	-8.90	
		<i>For &gt;200, Deduct</i>	-13.09	
07 52 16 15-0004	SQ	70 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering .....	133.98	
		<i>For Up To 10, Add</i>	30.92	
		<i>For &gt;10 To 20, Add</i>	16.49	
		<i>For &gt;20 To 40, Add</i>	8.76	
		<i>For &gt;75 To 100, Deduct</i>	-4.38	
		<i>For &gt;100 To 200, Deduct</i>	-9.28	
		<i>For &gt;200, Deduct</i>	-13.66	
07 52 16 15-0005	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering .....	225.79	
		<i>For Up To 10, Add</i>	49.59	
		<i>For &gt;10 To 20, Add</i>	25.90	
		<i>For &gt;20 To 40, Add</i>	13.51	
		<i>For &gt;75 To 100, Deduct</i>	-6.75	
		<i>For &gt;100 To 200, Deduct</i>	-14.06	
		<i>For &gt;200, Deduct</i>	-20.81	
07 52 16 15-0006	SQ	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Self-Adhering .....	269.81	
		<i>For Up To 10, Add</i>	58.40	
		<i>For &gt;10 To 20, Add</i>	30.31	
		<i>For &gt;20 To 40, Add</i>	15.71	
		<i>For &gt;75 To 100, Deduct</i>	-7.85	
		<i>For &gt;100 To 200, Deduct</i>	-16.26	
		<i>For &gt;200, Deduct</i>	-24.12	
		<i>For Factory Applied White Reflective Surfacing, Add</i>	84.86	
07 52 16 15-0007	SQ	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Self-Adhering .....	399.59	
		<i>For Up To 10, Add</i>	84.35	
		<i>For &gt;10 To 20, Add</i>	43.28	
		<i>For &gt;20 To 40, Add</i>	22.20	
		<i>For &gt;75 To 100, Deduct</i>	-11.10	
		<i>For &gt;100 To 200, Deduct</i>	-22.75	
		<i>For &gt;200, Deduct</i>	-33.85	
		<i>For Factory Applied White Reflective Surfacing, Add</i>	84.86	
07 52 16 15-0008		<b>Self-Adhering, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing</b> <small>(07 52 16 15-0001)</small>		
07 52 16 15-0009	SF	70 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering .....	3.59	
07 52 16 15-0010	SF	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering .....	4.02	
		<i>For Factory Applied White Reflective Surfacing, Add</i>	0.85	
07 52 16 15-0011	SF	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering .....	5.31	
		<i>For Factory Applied White Reflective Surfacing, Add</i>	0.85	

**07 53 Elastomeric Membrane Roofing** (07 50)

Note: Includes 10 year warranty. All warranties are no dollar limit to include material, equipment and labor. Excludes concrete primer, insulation, slip sheets, wood nailers, cant strips, coping removal and reinstallation, gravel stop, walkway pads and drainage devices. See CSI section 07 26 13 00-0000 for wood deck building paper.

**07 53 16 Chlorosulfonate-Polyethylene Roofing** (07 53)**07 53 16 00-0001 Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membranes** (07 53 16)

Note: Includes hot air welding or adhesive bonding of seams.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 16 00-0002	SQ		45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Fully Adhered.....	514.79	82.49
			Note: Includes adhesive.		
			For Up To 10, Add	135.96	
			For >10 To 20, Add	76.23	
			For >20 To 40, Add	42.24	
			For >75 To 100, Deduct	-21.12	
			For >100 To 200, Deduct	-46.36	
			For >200, Deduct	-67.48	
			For 15 Year Warranty, Add	3.00	
07 53 16 00-0003	SQ		45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Ballasted .....	391.08	41.25
			Note: Includes ballast.		
			For Up To 10, Add	94.71	
			For >10 To 20, Add	51.48	
			For >20 To 40, Add	27.80	
			For >75 To 100, Deduct	-13.90	
			For >100 To 200, Deduct	-29.87	
			For >200, Deduct	-43.77	
			For 15 Year Warranty, Add	3.00	
07 53 16 00-0004	SQ		45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Mechanically Fastened.....	419.59	61.87
			Note: Includes fasteners.		
			For Up To 10, Add	108.67	
			For >10 To 20, Add	60.52	
			For >20 To 40, Add	33.35	
			For >75 To 100, Deduct	-16.68	
			For >100 To 200, Deduct	-36.45	
			For >200, Deduct	-53.12	
			For 15 Year Warranty, Add	3.00	
			For Mechanically Fastened To Concrete Decks, Add	30.94	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	31.97	
<b>07 53 23 Ethylene-Propylene-Diene-Monomer Roofing (07 53)</b>					
07 53 23 00-0001			<b>Ethylene Propylene Diene Monomer (EPDM) Roofing Membranes (07 53 23)</b>		
			Note: Includes splicing of seams using adhesive or seam tape. Black ethylene propylene diene monomer (EPDM).		
07 53 23 00-0002	SQ		45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted .....	212.65	41.25
			Note: Includes ballast.		
			For Up To 10, Add	59.03	
			For >10 To 20, Add	33.64	
			For >20 To 40, Add	18.88	
			For >75 To 100, Deduct	-9.44	
			For >100 To 200, Deduct	-20.94	
			For >200, Deduct	-30.38	
			For 15 Year Warranty, Add	3.00	
			For Low Slope Fire Rated, Add	6.82	
			For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	16.90	
07 53 23 00-0003	SQ		60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted .....	237.79	43.82
			Note: Includes ballast.		
			For Up To 10, Add	65.09	
			For >10 To 20, Add	36.93	
			For >20 To 40, Add	20.65	
			For >75 To 100, Deduct	-10.33	
			For >100 To 200, Deduct	-22.85	
			For >200, Deduct	-33.17	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Low Slope Fire Rated, Add	6.82	
			For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	16.90	
07 53 23 00-0004	SQ		90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted .....	346.78	46.40
			Note: Includes ballast.		
			For Up To 10, Add	87.92	
			For >10 To 20, Add	48.60	
			For >20 To 40, Add	26.62	
			For >75 To 100, Deduct	-13.31	
			For >100 To 200, Deduct	-28.94	
			For >200, Deduct	-42.25	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Low Slope Fire Rated, Add	6.82	
07 53 23 00-0005	SQ		45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%) .....	254.84	61.87
			Note: Includes adhesive and fasteners.		
			For Up To 10, Add	75.72	
			For >10 To 20, Add	44.05	
			For >20 To 40, Add	25.12	
			For >75 To 100, Deduct	-12.56	
			For >100 To 200, Deduct	-28.21	
			For >200, Deduct	-40.77	
			For 15 Year Warranty, Add	3.00	
			For Low Slope Fire Rated, Add	6.82	
			For Low VOC Adhesive, Add	32.87	
			For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	16.90	
			For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	65.06	
			For Integral Polyester Fleece-Backing, Add	96.63	

## 07 Thermal And Moisture Protection

## 07 50 Membrane Roofing

## 07 53 Elastomeric Membrane Roofing

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 23 00-0006	SQ	60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%) .....	279.97	64.45
		Note: Includes adhesive and fasteners.		
		For Up To 10, Add	81.77	
		For >10 To 20, Add	47.33	
		For >20 To 40, Add	26.89	
		For >75 To 100, Deduct	-13.44	
		For >100 To 200, Deduct	-30.11	
		For >200, Deduct	-43.55	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Low Slope Fire Rated, Add	6.82	
		For Low VOC Adhesive, Add	32.87	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	16.90	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	65.06	
		For Integral Polyester Fleece-Backing, Add	106.63	
07 53 23 00-0007	SQ	90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%) .....	388.96	67.02
		Note: Includes adhesive and fasteners.		
		For Up To 10, Add	104.60	
		For >10 To 20, Add	59.01	
		For >20 To 40, Add	32.85	
		For >75 To 100, Deduct	-16.43	
		For >100 To 200, Deduct	-36.21	
		For >200, Deduct	-52.63	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Low Slope Fire Rated, Add	6.82	
		For Low VOC Adhesive, Add	32.87	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	65.06	
		For Integral Polyester Fleece-Backing, Add	117.54	
07 53 23 00-0008	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered.....	336.57	82.49
		Note: Includes adhesive and fasteners.		
		For Up To 10, Add	100.31	
		For >10 To 20, Add	58.41	
		For >20 To 40, Add	33.33	
		For >75 To 100, Deduct	-16.66	
		For >100 To 200, Deduct	-37.45	
		For >200, Deduct	-54.12	
		For 15 Year Warranty, Add	3.00	
		For Low Slope Fire Rated, Add	6.82	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	16.90	
		For Low VOC Adhesive, Add	82.18	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	65.06	
		For Integral Polyester Fleece-Backing, Add	96.63	
07 53 23 00-0009	SQ	60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered.....	361.70	85.07
		Note: Includes adhesive and fasteners.		
		For Up To 10, Add	106.37	
		For >10 To 20, Add	61.69	
		For >20 To 40, Add	35.10	
		For >75 To 100, Deduct	-17.55	
		For >100 To 200, Deduct	-39.35	
		For >200, Deduct	-56.90	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Low Slope Fire Rated, Add	6.82	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	16.90	
		For Low VOC Adhesive, Add	82.18	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	65.06	
		For Integral Polyester Fleece-Backing, Add	106.63	
07 53 23 00-0010	SQ	90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered.....	470.69	87.65
		Note: Includes adhesive and fasteners.		
		For Up To 10, Add	129.20	
		For >10 To 20, Add	73.36	
		For >20 To 40, Add	41.06	
		For >75 To 100, Deduct	-20.53	
		For >100 To 200, Deduct	-45.45	
		For >200, Deduct	-65.98	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Low Slope Fire Rated, Add	6.82	
		For Low VOC Adhesive, Add	82.18	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	65.06	
		For Integral Polyester Fleece-Backing, Add	117.54	
07 53 23 00-0011	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened .....	240.97	61.87
		Note: Includes fasteners.		
		For Up To 10, Add	72.94	
		For >10 To 20, Add	42.66	
		For >20 To 40, Add	24.42	
		For >75 To 100, Deduct	-12.21	
		For >100 To 200, Deduct	-27.52	
		For >200, Deduct	-39.73	
		For 15 Year Warranty, Add	3.00	
		For Low Slope Fire Rated, Add	6.82	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	16.90	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	65.06	
		For Mechanically Fastened To Concrete Decks, Add	30.94	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	31.97	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 53 23 00-0012	SQ		60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened .....266.10		64.45
			Note: Includes fasteners.		
			For Up To 10, Add	79.00	
			For >10 To 20, Add	45.94	
			For >20 To 40, Add	26.19	
			For >75 To 100, Deduct	-13.10	
			For >100 To 200, Deduct	-29.42	
			For >200, Deduct	-42.51	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Low Slope Fire Rated, Add	6.82	
			For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	16.90	
			For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	65.06	
			For Mechanically Fastened To Concrete Decks, Add	32.22	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	33.25	
07 53 23 00-0013	SQ		90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened .....375.09		67.02
			Note: Includes fasteners.		
			For Up To 10, Add	101.83	
			For >10 To 20, Add	57.62	
			For >20 To 40, Add	32.16	
			For >75 To 100, Deduct	-16.08	
			For >100 To 200, Deduct	-35.51	
			For >200, Deduct	-51.59	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Low Slope Fire Rated, Add	6.82	
			For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	65.06	
			For Mechanically Fastened To Concrete Decks, Add	33.52	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	34.55	

### 07 53 23 00-0014 Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane Accessories (07 53 23)

07 53 23 00-0015	SQ		Acrylic, Ethylene Propylene Diene Monomer (EPDM) Roofing Primer, Price Per Coat .....60.51		
			For Up To 10, Add	16.23	
			For >10 To 20, Add	9.14	
			For >20 To 40, Add	5.09	
			For >75 To 100, Deduct	-2.54	
			For >100 To 200, Deduct	-5.60	
			For >200, Deduct	-8.15	
07 53 23 00-0016	SQ		Acrylic Elastomeric, Surface Or Base Coating For Ethylene Propylene Diene Monomer (EPDM) Roofing, Price Per Coat .....62.50		
			Note: 55% solids by volume.		
			For Up To 10, Add	16.62	
			For >10 To 20, Add	9.34	
			For >20 To 40, Add	5.19	
			For >75 To 100, Deduct	-2.59	
			For >100 To 200, Deduct	-5.70	
			For >200, Deduct	-8.30	
07 53 23 00-0017	EA		Up To 4" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot.....38.96		9.80
			Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 53 23 00-0018	EA		>4" To 8" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot.....54.70		9.80
			Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 53 23 00-0019	EA		>8" To 13" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot.....100.13		9.80
			Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 53 23 00-0020	EA		6" Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Penetration Pocket .....132.23		10.83
			Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.		
07 53 23 00-0021	LF		30" Wide, Ethylene Propylene Diene Monomer (EPDM) Walkway Protection Pad .....29.88		5.98
			Note: Includes factory installed peel and stick adhesive tape.		
07 53 23 00-0022	SF		Ethylene Propylene Diene Monomer (EPDM) Membrane Base Flashing .....5.78		1.54
07 53 23 00-0023	SF		Ethylene Propylene Diene Monomer (EPDM) Membrane Curb Flashing .....7.32		2.32

### 07 53 29 Polyisobutylene Roofing (07 53)

#### 07 53 29 00-0001 Polyisobutylene (PIB) Roofing Membranes (07 53 29)

			Note: Includes integral polyester fleece-backing. Includes splicing of seams using adhesive or seam tape.		
07 53 29 00-0002	SQ		100 Mil, Single Ply PIB Roofing Membrane, Ballasted .....432.53		46.40
			Note: Includes ballast.		
			For Up To 10, Add	105.07	
			For >10 To 20, Add	57.17	
			For >20 To 40, Add	30.91	
			For >75 To 100, Deduct	-15.45	
			For >100 To 200, Deduct	-33.23	
			For >200, Deduct	-48.68	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	

**07 Thermal And Moisture Protection****07 50 Membrane Roofing****07 53 Elastomeric Membrane Roofing**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 53 29 00-0003	SQ	100 Mil, Single Ply PIB Roofing Membrane, Partially Adhered (40%).....	486.90	67.02
		Note: Includes adhesive.		
		For Up To 10, Add	124.19	
		For >10 To 20, Add	68.80	
		For >20 To 40, Add	37.75	
		For >75 To 100, Deduct	-18.88	
		For >100 To 200, Deduct	-41.10	
		For >200, Deduct	-59.98	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
07 53 29 00-0004	SQ	100 Mil, Single Ply PIB Roofing Membrane, Fully Adhered .....	586.89	87.65
		Note: Includes adhesive.		
		For Up To 10, Add	152.44	
		For >10 To 20, Add	84.98	
		For >20 To 40, Add	46.87	
		For >75 To 100, Deduct	-23.44	
		For >100 To 200, Deduct	-51.26	
		For >200, Deduct	-74.69	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	

**07 54 Thermoplastic Membrane Roofing** (07 50)

Note: Includes 10 year warranty. All warranties are no dollar limit to include material, equipment and labor. Excludes concrete primer, insulation, slip sheets, wood nailers, cant strips, coping removal and reinstallation, gravel stop, walkway pads and drainage devices. See CSI section 07 26 13 00-0000 for wood deck building paper.

**07 54 19 Polyvinyl-Chloride Roofing** (07 54)**07 54 19 00-0001 Reinforced Polyvinyl Chloride (RPVC) Roofing Membranes** (07 54 19)

Note: Includes polyester fabric reinforcement and hot air welding of seams. RPVC membranes meet or exceed all of the requirements of ASTM D4434 Type III.

07 54 19 00-0002	SQ	48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted .....	208.26	41.25
		Note: Includes ballast.		
		For Up To 10, Add	58.15	
		For >10 To 20, Add	33.20	
		For >20 To 40, Add	18.66	
		For >75 To 100, Deduct	-9.33	
		For >100 To 200, Deduct	-20.72	
		For >200, Deduct	-30.06	
		For 15 Year Warranty, Add	3.00	
		For Colors, Add	26.00	
		For Integral Polyester Fleece-Backing, Add	37.92	
07 54 19 00-0003	SQ	60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted .....	233.26	43.82
		Note: Includes ballast.		
		For Up To 10, Add	64.18	
		For >10 To 20, Add	36.47	
		For >20 To 40, Add	20.43	
		For >75 To 100, Deduct	-10.21	
		For >100 To 200, Deduct	-22.62	
		For >200, Deduct	-32.83	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Colors, Add	26.00	
		For Integral Polyester Fleece-Backing, Add	37.92	
07 54 19 00-0004	SQ	72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted .....	261.17	45.11
		Note: Includes ballast.		
		For Up To 10, Add	70.28	
		For >10 To 20, Add	39.65	
		For >20 To 40, Add	22.08	
		For >75 To 100, Deduct	-11.04	
		For >100 To 200, Deduct	-24.34	
		For >200, Deduct	-35.38	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Colors, Add	26.00	
		For Integral Polyester Fleece-Backing, Add	37.92	
07 54 19 00-0005	SQ	80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted .....	274.78	46.40
		Note: Includes ballast.		
		For Up To 10, Add	73.52	
		For >10 To 20, Add	41.40	
		For >20 To 40, Add	23.02	
		For >75 To 100, Deduct	-11.51	
		For >100 To 200, Deduct	-25.34	
		For >200, Deduct	-36.85	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Colors, Add	26.00	
		For Integral Polyester Fleece-Backing, Add	37.92	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19 00-0006	SQ		48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered.....	305.10	82.49
			Note: Includes adhesive.		
			For Up To 10, Add	94.02	
			For >10 To 20, Add	55.26	
			For >20 To 40, Add	31.75	
			For >75 To 100, Deduct	-15.88	
			For >100 To 200, Deduct	-35.88	
			For >200, Deduct	-51.76	
			For 15 Year Warranty, Add	3.00	
			For Colors, Add	26.00	
			For Low VOC Adhesive, Add	48.17	
			For Integral Polyester Fleece-Backing, Add	37.92	
07 54 19 00-0007	SQ		60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered.....	330.09	85.07
			Note: Includes adhesive.		
			For Up To 10, Add	100.05	
			For >10 To 20, Add	58.53	
			For >20 To 40, Add	33.52	
			For >75 To 100, Deduct	-16.76	
			For >100 To 200, Deduct	-37.77	
			For >200, Deduct	-54.53	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Colors, Add	26.00	
			For Low VOC Adhesive, Add	48.17	
			For Integral Polyester Fleece-Backing, Add	37.92	
07 54 19 00-0008	SQ		72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered.....	358.01	86.36
			Note: Includes adhesive.		
			For Up To 10, Add	106.15	
			For >10 To 20, Add	61.71	
			For >20 To 40, Add	35.17	
			For >75 To 100, Deduct	-17.59	
			For >100 To 200, Deduct	-39.49	
			For >200, Deduct	-57.08	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Colors, Add	26.00	
			For Low VOC Adhesive, Add	48.17	
			For Integral Polyester Fleece-Backing, Add	37.92	
07 54 19 00-0009	SQ		80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered.....	371.61	87.65
			Note: Includes adhesive.		
			For Up To 10, Add	109.38	
			For >10 To 20, Add	63.46	
			For >20 To 40, Add	36.11	
			For >75 To 100, Deduct	-18.06	
			For >100 To 200, Deduct	-40.49	
			For >200, Deduct	-58.55	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Colors, Add	26.00	
			For Low VOC Adhesive, Add	48.17	
			For Integral Polyester Fleece-Backing, Add	37.92	
07 54 19 00-0010	SQ		48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened.....	230.12	61.87
			Note: Includes fasteners.		
			For Up To 10, Add	70.77	
			For >10 To 20, Add	41.57	
			For >20 To 40, Add	23.88	
			For >75 To 100, Deduct	-11.94	
			For >100 To 200, Deduct	-26.97	
			For >200, Deduct	-38.91	
			For 15 Year Warranty, Add	3.00	
			For Colors, Add	26.00	
			For Integral Polyester Fleece-Backing, Add	37.92	
			For Mechanically Fastened To Concrete Decks, Add	30.94	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	31.97	
07 54 19 00-0011	SQ		60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened.....	255.10	64.45
			Note: Includes fasteners.		
			For Up To 10, Add	76.80	
			For >10 To 20, Add	44.84	
			For >20 To 40, Add	25.64	
			For >75 To 100, Deduct	-12.82	
			For >100 To 200, Deduct	-28.87	
			For >200, Deduct	-41.69	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Colors, Add	26.00	
			For Integral Polyester Fleece-Backing, Add	37.92	
			For Mechanically Fastened To Concrete Decks, Add	32.22	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	33.25	

**07 Thermal And Moisture Protection****07 50 Membrane Roofing****07 54 Thermoplastic Membrane Roofing**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 54 19 00-0012	SQ	72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened.....	283.02	65.74
		Note: Includes fasteners.		
		For Up To 10, Add	82.90	
		For >10 To 20, Add	48.02	
		For >20 To 40, Add	27.30	
		For >75 To 100, Deduct	-13.65	
		For >100 To 200, Deduct	-30.58	
		For >200, Deduct	-44.23	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Colors, Add	26.00	
		For Integral Polyester Fleece-Backing, Add	37.92	
		For Mechanically Fastened To Concrete Decks, Add	32.87	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	33.90	
07 54 19 00-0013	SQ	80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened.....	296.63	67.02
		Note: Includes fasteners.		
		For Up To 10, Add	86.14	
		For >10 To 20, Add	49.77	
		For >20 To 40, Add	28.24	
		For >75 To 100, Deduct	-14.12	
		For >100 To 200, Deduct	-31.59	
		For >200, Deduct	-45.71	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Colors, Add	26.00	
		For Integral Polyester Fleece-Backing, Add	37.92	
		For Mechanically Fastened To Concrete Decks, Add	33.52	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	34.55	
<b>07 54 19 00-0014</b>		<b>Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane Accessories (07 54 19)</b>		
07 54 19 00-0015	SQ	Acrylic, Polyvinyl Chloride (PVC) Roofing Cleaner/Primer, Price Per Coat.....	60.51	
		For Up To 10, Add	16.23	
		For >10 To 20, Add	9.14	
		For >20 To 40, Add	5.09	
		For >75 To 100, Deduct	-2.54	
		For >100 To 200, Deduct	-5.60	
		For >200, Deduct	-8.15	
07 54 19 00-0016	SQ	Acrylic Elastomeric, Surface Or Base Coating For Polyvinyl Chloride (PVC) Roofing, Price Per Coat.....	62.50	
		Note: 55% solids by volume.		
		For Up To 10, Add	16.62	
		For >10 To 20, Add	9.34	
		For >20 To 40, Add	5.19	
		For >75 To 100, Deduct	-2.59	
		For >100 To 200, Deduct	-5.70	
		For >200, Deduct	-8.30	
07 54 19 00-0017	EA	Up To 3" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot.....	62.67	8.76
		Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 19 00-0018	EA	>3" To 7" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot.....	87.35	9.80
		Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 19 00-0019	EA	>7" To 12" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot.....	111.30	10.83
		Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 19 00-0020	EA	6" Diameter, Prefabricated Polyvinyl Chloride (PVC) Penetration Pocket.....	140.85	10.83
		Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.		
07 54 19 00-0021	LF	36" Wide, Polyvinyl Chloride (PVC) Walkway Protection Pad.....	25.82	5.98
07 54 19 00-0022	SF	Polyvinyl Chloride (PVC) Membrane Base Flashing.....	6.81	1.54
07 54 19 00-0023	SF	Polyvinyl Chloride (PVC) Membrane Curb Flashing.....	8.35	2.32
07 54 19 00-0024	SF	Polyvinyl Chloride (PVC) Clad Edge Metal Or Base Flashing.....	9.06	1.54
		Note: 20 Mil polyvinyl chloride (PVC) membrane laminated to 24 gauge galvanized steel.		

**07 54 23 Thermoplastic-Polyolefin Roofing (07 54)****07 54 23 00-0001 Thermoplastic Polyolefin (TPO) Roofing Membranes (07 54 23)**

07 54 23 00-0002	SQ	45 Mil, Single Ply TPO Roofing Membrane, Fully Adhered.....	320.98	82.49
		Note: Includes adhesive.		
		For Up To 10, Add	97.19	
		For >10 To 20, Add	56.85	
		For >20 To 40, Add	32.55	
		For >75 To 100, Deduct	-16.27	
		For >100 To 200, Deduct	-36.67	
		For >200, Deduct	-52.95	
		For 15 Year Warranty, Add	3.00	
		For Low VOC Adhesive, Add	82.18	
		For Integral Polyester Fleece-Backing, Add	33.25	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 23 00-0003	SQ		50 Mil, Single Ply TPO Roofing Membrane, Fully Adhered .....	334.06	83.78
			Note: Includes adhesive.		
			For Up To 10, Add	100.32	
			For >10 To 20, Add	58.54	
			For >20 To 40, Add	33.46	
			For >75 To 100, Deduct	-16.73	
			For >100 To 200, Deduct	-37.65	
			For >200, Deduct	-54.38	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Low VOC Adhesive, Add	82.18	
			For Integral Polyester Fleece-Backing, Add	33.25	
07 54 23 00-0004	SQ		60 Mil, Single Ply TPO Roofing Membrane, Fully Adhered .....	341.32	85.07
			Note: Includes adhesive.		
			For Up To 10, Add	102.29	
			For >10 To 20, Add	59.65	
			For >20 To 40, Add	34.08	
			For >75 To 100, Deduct	-17.04	
			For >100 To 200, Deduct	-38.33	
			For >200, Deduct	-55.37	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Low VOC Adhesive, Add	82.18	
			For Integral Polyester Fleece-Backing, Add	33.25	
07 54 23 00-0005	SQ		80 Mil, Single Ply TPO Roofing Membrane, Fully Adhered .....	424.50	87.65
			Note: Includes adhesive.		
			For Up To 10, Add	119.96	
			For >10 To 20, Add	68.75	
			For >20 To 40, Add	38.76	
			For >75 To 100, Deduct	-19.38	
			For >100 To 200, Deduct	-43.14	
			For >200, Deduct	-62.52	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Low VOC Adhesive, Add	82.18	
			For Integral Polyester Fleece-Backing, Add	33.25	
07 54 23 00-0006	SQ		45 Mil, Single Ply TPO Roofing Membrane, Mechanically Fastened .....	220.61	61.87
			Note: Includes fasteners.		
			For Up To 10, Add	68.87	
			For >10 To 20, Add	40.62	
			For >20 To 40, Add	23.40	
			For >75 To 100, Deduct	-11.70	
			For >100 To 200, Deduct	-26.50	
			For >200, Deduct	-38.20	
			For 15 Year Warranty, Add	3.00	
			For Integral Polyester Fleece-Backing, Add	33.25	
			For Mechanically Fastened To Concrete Decks, Add	30.94	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	31.97	
07 54 23 00-0007	SQ		50 Mil, Single Ply TPO Roofing Membrane, Mechanically Fastened .....	233.69	63.16
			Note: Includes fasteners.		
			For Up To 10, Add	72.00	
			For >10 To 20, Add	42.32	
			For >20 To 40, Add	24.32	
			For >75 To 100, Deduct	-12.16	
			For >100 To 200, Deduct	-27.47	
			For >200, Deduct	-39.63	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Integral Polyester Fleece-Backing, Add	33.25	
			For Mechanically Fastened To Concrete Decks, Add	31.58	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	32.61	
07 54 23 00-0008	SQ		60 Mil, Single Ply TPO Roofing Membrane, Mechanically Fastened .....	240.94	64.45
			Note: Includes fasteners.		
			For Up To 10, Add	73.97	
			For >10 To 20, Add	43.43	
			For >20 To 40, Add	24.94	
			For >75 To 100, Deduct	-12.47	
			For >100 To 200, Deduct	-28.16	
			For >200, Deduct	-40.63	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Integral Polyester Fleece-Backing, Add	33.25	
			For Mechanically Fastened To Concrete Decks, Add	32.22	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	33.25	

**07 Thermal And Moisture Protection****07 50 Membrane Roofing****07 54 Thermoplastic Membrane Roofing**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

07 54 23 00-0009	SQ	80 Mil, Single Ply TPO Roofing Membrane, Mechanically Fastened	324.14	67.02
		Note: Includes fasteners.		
		For Up To 10, Add	91.64	
		For >10 To 20, Add	52.52	
		For >20 To 40, Add	29.61	
		For >75 To 100, Deduct	-14.81	
		For >100 To 200, Deduct	-32.96	
		For >200, Deduct	-47.77	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Integral Polyester Fleece-Backing, Add	33.25	
		For Mechanically Fastened To Concrete Decks, Add	33.52	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	34.55	

**07 54 23 00-0010 Thermoplastic Polyolefin (TPO) Roofing Membrane Accessories (07 54 23)**

07 54 23 00-0011	SQ	Acrylic, Thermoplastic Polyolefin (TPO) Roofing Primer, Price Per Coat	71.48	
		For Up To 10, Add	18.42	
		For >10 To 20, Add	10.24	
		For >20 To 40, Add	5.64	
		For >75 To 100, Deduct	-2.82	
		For >100 To 200, Deduct	-6.15	
		For >200, Deduct	-8.97	
07 54 23 00-0012	SQ	Acrylic Elastomeric, Surface Or Base Coating For TPO Roofing, Price Per Coat	62.50	
		Note: 55% solids by volume.		
		For Up To 10, Add	16.62	
		For >10 To 20, Add	9.34	
		For >20 To 40, Add	5.19	
		For >75 To 100, Deduct	-2.59	
		For >100 To 200, Deduct	-5.70	
		For >200, Deduct	-8.30	
		For Tan Or Gray Color, Add	2.09	
07 54 23 00-0013	EA	Up To 3" Pipe Diameter, Prefabricated Thermoplastic Polyolefin Pipe Cone/Boot	54.29	8.76
		Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 23 00-0014	EA	>3" To 8" Pipe Diameter, Prefabricated Thermoplastic Polyolefin Pipe Cone/Boot	58.69	9.80
		Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 23 00-0015	EA	6" Diameter, Prefabricated TPO Penetration Pocket	105.96	10.83
		Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.		
07 54 23 00-0016	LF	30" Wide, TPO Walkway Protection Pad	25.52	5.98
07 54 23 00-0017	SF	Thermoplastic Polyolefin Membrane Base Flashing	7.09	1.54
07 54 23 00-0018	SF	Thermoplastic Polyolefin Curb Flashing	6.36	1.54
		For Tan Or Gray Color, Add	0.09	
07 54 23 00-0019	SF	Thermoplastic Polyolefin Clad Edge Metal Or Base Flashing	10.22	1.54
		Note: 20 Mil TPO membrane laminated to 24 gauge galvanized steel.		

**07 55 Protected Membrane Roofing (07 50)**

See CSI section 07 26 13 00-0000 for wood deck building paper.

**07 56 Fluid-Applied Roofing (07 50)****07 56 00 00-0001 Neoprene Hypalon Liquid Roofing, 5 Coats (07 56)**

07 56 00 00-0002	SQ	60 Mil 5 Coat Spray-on Neoprene Hypalon Liquid Roofing	955.00	137.17
		For Each Additional Coat, Add	143.25	

**07 56 00 00-0003 Vinyl Spray Liquid Roofing (07 56)**

07 56 00 00-0004	SQ	2 Mil Vinyl Liquid Roofing	939.84	144.56
07 56 00 00-0005	SQ	4 Mil Vinyl Liquid Roofing	1,051.32	161.44

**07 56 00 00-0006 Silicone Elastomeric Liquid Roofing (07 56)**

07 56 00 00-0007	SQ	65% Solids, Silicone Elastomeric Spray-on Roofing, 3 Coats, 16 Mil Per Coat	376.52	82.82
07 56 00 00-0008	SQ	65% Solids, Silicone Elastomeric Rolled-on Roofing, 3 Coats, 16 Mil Per Coat	456.80	82.82
07 56 00 00-0009	SQ	65% Solids, Silicone Elastomeric Brushed-on Roofing, 3 Coats, 16 Mil Per Coat	517.17	82.82

**07 56 00 00-0010 Rubberized Acrylic Roof Coating, Sprayed On (07 56)**

Note: As manufactured by Tru-Co, Inc.

**07 56 00 00-0011 Rubberized Acrylic Roof Coating, Sprayed On Assemblies (07 56 00 00-0010)**

07 56 00 00-0012	SQ	Elastomeric Installation Over Urethane Foam	852.49	
07 56 00 00-0013	SQ	Elastomeric Installation Over Decks	875.08	
07 56 00 00-0014	SQ	Elastomeric Installation Over Exterior, Waterproofing	351.86	
07 56 00 00-0015	SQ	Installation Over Existing Tar (Asphalt) And Gravel Roof	1,116.03	
07 56 00 00-0016	SQ	Installation Over New Construction, Waterproofing	622.69	
07 56 00 00-0017	SQ	Installation Over Mobile Home	411.26	
07 56 00 00-0018	SQ	Installation Over Corrugated Metal Roofs	482.00	
07 56 00 00-0019	SQ	Installation Over Granulate Mineral Surface, Cap Sheet (Semi-Smooth) Surface	923.24	
07 56 00 00-0020	SQ	4" Acrylic Gel With Fabric (Apply At Edges)	3.27	
07 56 00 00-0021	SQ	6" Acrylic Gel With Fabric (Apply At Edges)	4.64	

**07 56 00 00-0022 Polyurethane Roof Coating, Sprayed On Assemblies (07 56)**

Note: Includes pressure wash, primer, base coat, polyester reinforcement, top coat and finish coat.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 56 00 00-0023	SF		Up To 50 SF White (High-Albedo) Polyurethane Coating.....	10.80	
07 56 00 00-0024	SF		>50 To 100 SF White (High-Albedo) Polyurethane Coating .....	10.36	
07 56 00 00-0025	SF		>100 To 500 SF White (High-Albedo) Polyurethane Coating .....	9.92	
07 56 00 00-0026	SEA		>500 To 1,000 SF White (High-Albedo) Polyurethane Coating .....	9.38	

**07 56 00 00-0027 Elastomeric Asphalt/Urethane Liquid Roofing Membrane (07 56)**

07 56 00 00-0028	SQ		90 Mil, Elastomeric Asphalt/Urethane Liquid Roofing Membrane .....	1,600.00	82.82
Note: Includes applying a 30 mil base coat, rolling in a stichbonded polyester reinforcing scrim and applying a 60 mil second coat.					

**07 56 00 00-0029 Urethane Liquid Roofing Membrane (07 56)**

Note: Garland White Knight Energy Star single component urethane restoration system. 10 year warranty. Used for restoration of membrane, built up, metal and modified roofing systems.

07 56 00 00-0030	SQ		Ulti-Mat™ 38" Non-Woven Fiberglass Reinforcing Membrane For White-Knight Systems.....	80.05	
07 56 00 00-0031	LF		Ulti-Mat™ 6" Non-Woven Fiberglass Reinforcing Membrane For White-Knight Systems.....	4.81	
07 56 00 00-0032	SQ		White-Knight® Premium Multi-Purpose Urethane Restoration Reflective Coating For Metal, Membrane, BUR, Single-Ply (2 GAL/SQ).....	304.84	
07 56 00 00-0033	SQ		White-Knight® Metal Primer One Component Metal Primer For Placement Under The White-Knight System .....	79.50	
07 56 00 00-0034	SQ		White-Knight® Plus High Strength, Multi-Purpose Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply .....	748.19	
07 56 00 00-0035	SQ		White-Knight® Plus Base Coat High Strength, Multi-Purpose Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply.....	1,128.78	
07 56 00 00-0036	SQ		White-Knight® Plus WC High Strength, Multi-Purpose, VOC Compliant, Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply.....	773.95	
07 56 00 00-0037	SQ		White-Star Premium, White Polyurea Restoration Adhesive For Mineral And Smooth Modified And BUR (2 GAL/SQ).....	201.62	

**07 57 Coated Foamed Roofing (07 50)**

**07 57 13 Sprayed Polyurethane Foam Roofing (07 57)**

Note: Includes power washing. Excludes ballast removal and priming metal surfaces. Excludes walkways.

- 07 57 13 00-0001 **Sprayed Polyurethane Foam Roofing Systems (07 57 13)**
- 07 57 13 00-0002 **Sprayed Polyurethane Foam Roofing Systems With Acrylic Elastomeric Coating (07 57 13 00-0001)**
- 07 57 13 00-0003 **Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating (07 57 13 00-0002)**

Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 5 year warranty.					
07 57 13 00-0004	SQ		1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating .....	289.31	50.24
07 57 13 00-0005	SQ		1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating .....	342.21	53.83
07 57 13 00-0006	SQ		2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating .....	395.11	57.42
07 57 13 00-0007	SQ		3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating .....	510.88	64.60
07 57 13 00-0008	SQ		4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating .....	606.69	71.77
07 57 13 00-0009	SQ		5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating .....	712.49	78.95
07 57 13 00-0010	SQ		6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating .....	818.27	86.12

**07 57 13 00-0011 Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating (07 57 13 00-0002)**

Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 10 year warranty.

07 57 13 00-0012	SQ		1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating .....	297.07	50.24
07 57 13 00-0013	SQ		1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating .....	349.97	53.83
07 57 13 00-0014	SQ		2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating .....	402.87	57.42
07 57 13 00-0015	SQ		3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating .....	508.66	64.60
07 57 13 00-0016	SQ		4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating .....	614.45	71.77
07 57 13 00-0017	SQ		5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating .....	720.25	78.95
07 57 13 00-0018	SQ		6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating .....	826.03	86.12

**07 57 13 00-0019 Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating (07 57 13 00-0002)**

Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 15 year warranty.

07 57 13 00-0020	SQ		1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating .....	315.92	50.24
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**07 Thermal And Moisture Protection****07 50 Membrane Roofing****07 57 Coated Foamed Roofing**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

07 57 13 00-0021	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	367.15	53.83
07 57 13 00-0022	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	418.39	57.42
07 57 13 00-0023	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	524.18	64.60
07 57 13 00-0024	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	671.44	71.77
07 57 13 00-0025	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	785.67	78.95
07 57 13 00-0026	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	899.87	86.12

**07 57 13 00-0027 Sprayed Polyurethane Foam Roofing Systems With Silicone Elastomeric Coating** (07 57 13 00-0001)
**07 57 13 00-0028 Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating** (07 57 13 00-0027)

Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 5 year warranty.

07 57 13 00-0029	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating.....	321.46	50.24
07 57 13 00-0030	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating.....	378.57	53.83
07 57 13 00-0031	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating.....	435.69	57.42
07 57 13 00-0032	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating.....	549.90	64.60
07 57 13 00-0033	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating.....	664.12	71.77
07 57 13 00-0034	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating.....	778.35	78.95
07 57 13 00-0035	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating.....	892.56	86.12

**07 57 13 00-0036 Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating** (07 57 13 00-0027)

Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 10 year warranty.

07 57 13 00-0037	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	332.44	50.24
07 57 13 00-0038	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	389.55	53.83
07 57 13 00-0039	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	446.66	57.42
07 57 13 00-0040	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	560.88	64.60
07 57 13 00-0041	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	675.10	71.77
07 57 13 00-0042	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	789.33	78.95
07 57 13 00-0043	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	903.53	86.12

**07 57 13 00-0044 Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating** (07 57 13 00-0027)

Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 15 year warranty.

07 57 13 00-0045	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	340.97	50.24
07 57 13 00-0046	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	398.09	53.83
07 57 13 00-0047	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	455.20	57.42
07 57 13 00-0048	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	569.42	64.60
07 57 13 00-0049	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	683.63	71.77
07 57 13 00-0050	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	797.86	78.95
07 57 13 00-0051	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	912.07	86.12

**07 58 Roll Roofing** (07 50)
**07 58 00 00-0001 Prepared Roll Roofing** (07 58)

Note: Fastened with roofing nails and roofing cement. Includes fasteners and adhesive. Excludes warranty. See CSI section 07 51 13 00-0033 for underlayment.

07 58 00 00-0002	SQ	Granule Surfaced, 90 LB, Asphalt Saturated Organic Felt Roll Roofing.....	228.38	32.30
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**07 59 Membrane Roofing Termination Bar** (07 50)



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 59 00 00-0001			<b>Membrane Roofing Termination Bar (07 59)</b>		
07 59 00 00-0002	LF		Membrane Roofing Termination Bar.....	4.45	1.48
			Note: Includes fasteners and caulking.		

**07 60 Flashing and Sheet Metal (07)**
**07 61 Sheet Metal Roofing (07 60)**
**07 61 13 Standing Seam Sheet Metal Roofing (07 61)**

07 61 13 00-0001			<b>Standing Seam Concealed Fastener Roofing (07 61 13)</b>		
07 61 13 00-0002			<b>Copper Standing Seam Concealed Fastener Roofing (07 61 13 00-0001)</b>		
07 61 13 00-0003	SF		Architectural 16 Ounce Copper Standing Seam Concealed Fastener Roofing.....	25.79	3.09
			For Steep Roof, Over 6 To 12, Add	1.85	
			For 140 MPH Wind Load, Add	1.01	
			For Panels <16" Wide, Add	2.43	
			For Up To 1,500, Add	6.45	
			For >1,500 To 5,000, Add	3.87	
			For >5,000 To 10,000, Add	0.64	
07 61 13 00-0004	SF		Architectural 18 Ounce Copper Standing Seam Concealed Fastener Roofing.....	28.23	3.35
			For Steep Roof, Over 6 To 12, Add	2.01	
			For 140 MPH Wind Load, Add	1.10	
			For Panels <16" Wide, Add	2.65	
			For Up To 1,500, Add	7.06	
			For >1,500 To 5,000, Add	4.23	
			For >5,000 To 10,000, Add	0.71	
07 61 13 00-0005	SF		Architectural 20 Ounce Copper Standing Seam Concealed Fastener Roofing.....	33.14	3.65
			For Steep Roof, Over 6 To 12, Add	2.19	
			For 140 MPH Wind Load, Add	1.25	
			For Panels <16" Wide, Add	3.01	
			For Up To 1,500, Add	8.29	
			For >1,500 To 5,000, Add	4.97	
			For >5,000 To 10,000, Add	0.83	

**07 61 13 00-0006 Zinc/Copper Standing Seam Concealed Fastener Roofing (07 61 13 00-0001)**

07 61 13 00-0007	SF		0.020" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing.....	30.04	3.35
			For Steep Roof, Over 6 To 12, Add	2.01	
			For 140 MPH Wind Load, Add	1.14	
			For Panels <16" Wide, Add	2.74	
			For Up To 1,500, Add	7.51	
			For >1,500 To 5,000, Add	4.51	
			For >5,000 To 10,000, Add	0.75	
			For Tin/Copper, Deduct	-0.47	
07 61 13 00-0008	SF		0.027" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing.....	36.17	3.49
			For Steep Roof, Over 6 To 12, Add	2.09	
			For 140 MPH Wind Load, Add	1.28	
			For Panels <16" Wide, Add	3.10	
			For Up To 1,500, Add	9.04	
			For >1,500 To 5,000, Add	5.43	
			For >5,000 To 10,000, Add	0.90	
			For Tin/Copper, Deduct	-0.58	
07 61 13 00-0009	SF		0.032" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing.....	40.99	3.65
			For Steep Roof, Over 6 To 12, Add	2.19	
			For 140 MPH Wind Load, Add	1.40	
			For Panels <16" Wide, Add	3.40	
			For Up To 1,500, Add	10.25	
			For >1,500 To 5,000, Add	6.15	
			For >5,000 To 10,000, Add	1.02	
			For Tin/Copper, Deduct	-0.67	
07 61 13 00-0010	SF		0.040" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing.....	51.09	3.83
			For Steep Roof, Over 6 To 12, Add	2.29	
			For 140 MPH Wind Load, Add	1.63	
			For Panels <16" Wide, Add	3.97	
			For Up To 1,500, Add	12.77	
			For >1,500 To 5,000, Add	7.66	
			For >5,000 To 10,000, Add	1.28	
			For Tin/Copper, Deduct	-0.87	

**07 61 13 00-0011 Accessories For Copper Standing Seam Concealed Fastener Roofing (07 61 13 00-0001)**

07 61 13 00-0012	LF		Ridge Flashing For Copper Standing Seam Concealed Fastener Roofing.....	106.32	6.38
			For Steep Roof, Over 6 To 12, Add	4.79	
			For 140 MPH Wind Load, Add	3.40	
07 61 13 00-0013	LF		Eave Flashing For Copper Standing Seam Concealed Fastener Roofing.....	62.56	6.38
			For Steep Roof, Over 6 To 12, Add	4.79	
			For 140 MPH Wind Load, Add	2.53	
07 61 13 00-0014	LF		Valley Flashing For Copper Standing Seam Concealed Fastener Roofing.....	147.70	6.38
			For Steep Roof, Over 6 To 12, Add	4.79	
			For 140 MPH Wind Load, Add	4.23	
07 61 13 00-0015	LF		Hip Flashing For Copper Standing Seam Concealed Fastener Roofing.....	109.59	6.38
			For Steep Roof, Over 6 To 12, Add	4.79	
			For 140 MPH Wind Load, Add	3.47	

**07 61 16 Batten Seam Sheet Metal Roofing (07 61)**

**07 Thermal And Moisture Protection****07 60 Flashing and Sheet Metal****07 61 Sheet Metal Roofing**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
07 61 16 00-0001	Copper Batten Seam Concealed Fastener Roofing <small>(07 61 16)</small>		
07 61 16 00-0002	Copper Batten Seam Concealed Fastener Roofing <small>(07 61 16 00-0001)</small>		
07 61 16 00-0003	SF 16 Ounce Copper Batten Seam Concealed Fastener Roofing .....31.70	3.65	
	For Steep Roof, Over 6 To 12, Add	2.19	
	For 140 MPH Wind Load, Add	1.22	
	For Panels <16" Wide, Add	2.93	
	For Up To 1,500, Add	7.93	
	For >1,500 To 5,000, Add	4.76	
	For >5,000 To 10,000, Add	0.79	
07 61 16 00-0004	SF 18 Ounce Copper Batten Seam Concealed Fastener Roofing .....34.94	3.84	
	For Steep Roof, Over 6 To 12, Add	2.30	
	For 140 MPH Wind Load, Add	1.31	
	For Panels <16" Wide, Add	3.16	
	For Up To 1,500, Add	8.74	
	For >1,500 To 5,000, Add	5.24	
	For >5,000 To 10,000, Add	0.87	
07 61 16 00-0005	SF 20 Ounce Copper Batten Seam Concealed Fastener Roofing .....40.57	4.02	
	For Steep Roof, Over 6 To 12, Add	2.41	
	For 140 MPH Wind Load, Add	1.45	
	For Panels <16" Wide, Add	3.51	
	For Up To 1,500, Add	10.14	
	For >1,500 To 5,000, Add	6.09	
	For >5,000 To 10,000, Add	1.01	
07 61 16 00-0006	Zinc/Copper Batten Seam Concealed Fastener Roofing <small>(07 61 16 00-0001)</small>		
07 61 16 00-0007	SF 0.020" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing .....32.05	3.35	
	For Steep Roof, Over 6 To 12, Add	2.01	
	For 140 MPH Wind Load, Add	1.18	
	For Panels <16" Wide, Add	2.84	
	For Up To 1,500, Add	8.01	
	For >1,500 To 5,000, Add	4.81	
	For >5,000 To 10,000, Add	0.80	
	For Tin/Copper, Deduct	-0.51	
07 61 16 00-0008	SF 0.027" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing .....39.04	3.49	
	For Steep Roof, Over 6 To 12, Add	2.09	
	For 140 MPH Wind Load, Add	1.34	
	For Panels <16" Wide, Add	3.24	
	For Up To 1,500, Add	9.76	
	For >1,500 To 5,000, Add	5.86	
	For >5,000 To 10,000, Add	0.98	
	For Tin/Copper, Deduct	-0.64	
07 61 16 00-0009	SF 0.032" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing .....43.67	3.65	
	For Steep Roof, Over 6 To 12, Add	2.19	
	For 140 MPH Wind Load, Add	1.46	
	For Panels <16" Wide, Add	3.53	
	For Up To 1,500, Add	10.92	
	For >1,500 To 5,000, Add	6.55	
	For >5,000 To 10,000, Add	1.09	
	For Tin/Copper, Deduct	-0.73	
07 61 16 00-0010	SF 0.040" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing .....54.54	3.83	
	For Steep Roof, Over 6 To 12, Add	2.29	
	For 140 MPH Wind Load, Add	1.70	
	For Panels <16" Wide, Add	4.14	
	For Up To 1,500, Add	13.64	
	For >1,500 To 5,000, Add	8.18	
	For >5,000 To 10,000, Add	1.36	
	For Tin/Copper, Deduct	-0.94	
<b>07 61 19</b>	<b>Flat Seam Sheet Metal Roofing <small>(07 61)</small></b>		
07 61 19 00-0001	Copper Flat Seam Concealed Fastener Roofing <small>(07 61 19)</small>		
07 61 19 00-0002	Copper Flat Seam Concealed Fastener Roofing <small>(07 61 19 00-0001)</small>		
07 61 19 00-0003	SF 16 Ounce Copper Flat Seam Concealed Fastener Roofing .....24.68	3.35	
	For Steep Roof, Over 6 To 12, Add	2.01	
	For 140 MPH Wind Load, Add	1.03	
	For Panels <16" Wide, Add	2.47	
	For Up To 1,500, Add	6.17	
	For >1,500 To 5,000, Add	3.70	
	For >5,000 To 10,000, Add	0.62	
07 61 19 00-0004	SF 18 Ounce Copper Flat Seam Concealed Fastener Roofing .....27.08	3.49	
	For Steep Roof, Over 6 To 12, Add	2.09	
	For 140 MPH Wind Load, Add	1.10	
	For Panels <16" Wide, Add	2.65	
	For Up To 1,500, Add	6.77	
	For >1,500 To 5,000, Add	4.06	
	For >5,000 To 10,000, Add	0.68	
07 61 19 00-0005	SF 20 Ounce Copper Flat Seam Concealed Fastener Roofing .....31.23	3.65	
	For Steep Roof, Over 6 To 12, Add	2.19	
	For 140 MPH Wind Load, Add	1.21	
	For Panels <16" Wide, Add	2.91	
	For Up To 1,500, Add	7.81	
	For >1,500 To 5,000, Add	4.68	
	For >5,000 To 10,000, Add	0.78	
07 61 19 00-0006	Zinc/Copper Flat Seam Concealed Fastener Roofing <small>(07 61 19 00-0001)</small>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 61 19 00-0007	SF	0.020"	Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing.....	28.23	3.35
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.01	
			<i>For 140 MPH Wind Load, Add</i>	1.10	
			<i>For Panels &lt;16" Wide, Add</i>	2.65	
			<i>For Up To 1,500, Add</i>	7.06	
			<i>For &gt;1,500 To 5,000, Add</i>	4.23	
			<i>For &gt;5,000 To 10,000, Add</i>	0.71	
			<i>For Tin/Copper, Deduct</i>	-0.43	
07 61 19 00-0008	SF	0.027"	Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing.....	34.26	3.49
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.09	
			<i>For 140 MPH Wind Load, Add</i>	1.24	
			<i>For Panels &lt;16" Wide, Add</i>	3.00	
			<i>For Up To 1,500, Add</i>	8.57	
			<i>For &gt;1,500 To 5,000, Add</i>	5.14	
			<i>For &gt;5,000 To 10,000, Add</i>	0.86	
			<i>For Tin/Copper, Deduct</i>	-0.55	
07 61 19 00-0009	SF	0.032"	Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing.....	38.41	3.65
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.19	
			<i>For 140 MPH Wind Load, Add</i>	1.35	
			<i>For Panels &lt;16" Wide, Add</i>	3.27	
			<i>For Up To 1,500, Add</i>	9.60	
			<i>For &gt;1,500 To 5,000, Add</i>	5.76	
			<i>For &gt;5,000 To 10,000, Add</i>	0.96	
			<i>For Tin/Copper, Deduct</i>	-0.62	
07 61 19 00-0010	SF	0.040"	Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing.....	47.84	3.83
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.29	
			<i>For 140 MPH Wind Load, Add</i>	1.57	
			<i>For Panels &lt;16" Wide, Add</i>	3.81	
			<i>For Up To 1,500, Add</i>	11.96	
			<i>For &gt;1,500 To 5,000, Add</i>	7.18	
			<i>For &gt;5,000 To 10,000, Add</i>	1.20	
			<i>For Tin/Copper, Deduct</i>	-0.80	

**07 62 Sheet Metal Flashing and Trim (07 60)**
**07 62 13 Fabricated Copings (07 62)**
**07 62 13 00-0001 Lead Flashing And Trim (07 62 13)**

07 62 13 00-0002	SF	2.5 LB/SF	Sheet Lead Flashing.....	20.03	5.14
			<i>For Up To 100, Add</i>	5.01	
07 62 13 00-0003	SF	4 LB/SF	Sheet Lead Flashing.....	25.94	5.14
			<i>For Up To 100, Add</i>	6.49	

**07 62 13 00-0004 Copper Flashing And Trim (07 62 13)**
**07 62 13 00-0005 Copper Flashing And Trim (07 62 13 00-0004)**

07 62 13 00-0006	SF	16 Ounce, 0.021"	Thick, Copper Flashing And Trim.....	27.42	5.02
			<i>For Up To 100, Add</i>	6.86	
			<i>For &gt;500 To 2,000, Deduct</i>	-3.76	
			<i>For &gt;2,000, Deduct</i>	-4.64	
			<i>For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add</i>	1.99	
			<i>For Wrap Around Window Panning, Add</i>	9.93	
07 62 13 00-0007	SF	20 Ounce, 0.027"	Thick, Copper Flashing And Trim.....	28.30	5.14
			<i>For Up To 100, Add</i>	7.08	
			<i>For &gt;500 To 2,000, Deduct</i>	-3.89	
			<i>For &gt;2,000, Deduct</i>	-4.78	
			<i>For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add</i>	2.08	
			<i>For Wrap Around Window Panning, Add</i>	10.38	
07 62 13 00-0008	SF	24 Ounce, 0.032"	Thick, Copper Flashing And Trim.....	32.39	5.48
			<i>For Up To 100, Add</i>	8.10	
			<i>For &gt;500 To 2,000, Deduct</i>	-4.43	
			<i>For &gt;2,000, Deduct</i>	-5.50	
			<i>For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add</i>	2.18	
			<i>For Wrap Around Window Panning, Add</i>	10.88	
07 62 13 00-0009	SF	32 Ounce, 0.043"	Thick, Copper Flashing And Trim.....	40.10	5.71
			<i>For Up To 100, Add</i>	10.03	
			<i>For &gt;500 To 2,000, Deduct</i>	-5.44	
			<i>For &gt;2,000, Deduct</i>	-6.88	
			<i>For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add</i>	2.28	
			<i>For Wrap Around Window Panning, Add</i>	11.42	

**07 62 13 00-0010 Stainless Steel Flashing And Trim (07 62 13)**
**07 62 13 00-0011 Stainless Steel Flashing And Trim (07 62 13 00-0010)**

07 62 13 00-0012	SF	32 Gauge, 0.010"	Thick, Stainless Steel Flashing And Trim.....	10.63	2.74
			<i>For Up To 100, Add</i>	2.66	
			<i>For Wrap Around Window Panning, Add</i>	7.05	
			<i>For Mechanically Keyed Flashing, Add</i>	1.43	
07 62 13 00-0013	SF	30 Gauge, 0.0125"	Thick, Stainless Steel Flashing And Trim.....	11.63	3.08
			<i>For Up To 100, Add</i>	2.91	
			<i>For Wrap Around Window Panning, Add</i>	7.16	
			<i>For Mechanically Keyed Flashing, Add</i>	1.79	
07 62 13 00-0014	SF	28 Gauge, 0.0156"	Thick, Stainless Steel Flashing And Trim.....	12.64	3.42
			<i>For Up To 100, Add</i>	3.16	
			<i>For Wrap Around Window Panning, Add</i>	7.28	
			<i>For Mechanically Keyed Flashing, Add</i>	2.14	

**07 Thermal And Moisture Protection****07 60 Flashing and Sheet Metal****07 62 Sheet Metal Flashing and Trim**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
07 62 13 00-0015	SF 26 Gauge, 0.0187" Thick, Stainless Steel Flashing And Trim..... <i>For Up To 100, Add</i> <i>For Wrap Around Window Panning, Add</i> <i>For Mechanically Keyed Flashing, Add</i>	14.22 3.56 7.51 2.68	3.77
07 62 13 00-0016	SF 24 Gauge, 0.025" Thick, Stainless Steel Flashing And Trim..... <i>For Up To 100, Add</i> <i>For Wrap Around Window Panning, Add</i> <i>For Mechanically Keyed Flashing, Add</i>	16.87 4.22 7.93 3.58	4.00
07 62 13 00-0017	SF 22 Gauge, 0.031" Thick, Stainless Steel Flashing And Trim..... <i>For Up To 100, Add</i> <i>For Wrap Around Window Panning, Add</i> <i>For Mechanically Keyed Flashing, Add</i>	18.48 4.62 8.39 4.04	4.20
07 62 13 00-0018	SF 20 Gauge, 0.0375" Thick, Stainless Steel Flashing And Trim..... <i>For Up To 100, Add</i> <i>For Wrap Around Window Panning, Add</i> <i>For Mechanically Keyed Flashing, Add</i>	19.81 4.95 8.88 4.37	4.45
<b>07 62 13 00-0019</b>	<b>Aluminum Flashing And Trim (07 62 13)</b>		
<b>07 62 13 00-0020</b>	<b>Aluminum Flashing And Trim (07 62 13 00-0019)</b>		
07 62 13 00-0021	SF 0.013" Thick, Mill Finish, Aluminum Flashing And Trim..... <i>For Up To 100, Add</i> <i>For Baked Aluminum Colors, Add</i> <i>For Wrap Around Window Panning, Add</i>	10.82 2.71 0.30 7.87	3.53
07 62 13 00-0022	SF 0.016" Thick, Mill Finish, Aluminum Flashing And Trim..... <i>For Up To 100, Add</i> <i>For Baked Aluminum Colors, Add</i> <i>For Wrap Around Window Panning, Add</i>	11.47 2.87 0.36 7.87	3.53
07 62 13 00-0023	SF 0.019" Thick, Mill Finish, Aluminum Flashing And Trim..... <i>For Up To 100, Add</i> <i>For Baked Aluminum Colors, Add</i> <i>For Wrap Around Window Panning, Add</i>	11.98 3.00 0.41 7.87	3.53
07 62 13 00-0024	SF 0.024" Thick, Mill Finish, Aluminum Flashing And Trim..... <i>For Up To 100, Add</i> <i>For Baked Aluminum Colors, Add</i> <i>For Wrap Around Window Panning, Add</i>	12.72 3.18 0.49 7.87	3.53
07 62 13 00-0025	SF 0.032" Thick, Mill Finish, Aluminum Flashing And Trim..... <i>For Up To 100, Add</i> <i>For Baked Aluminum Colors, Add</i> <i>For Wrap Around Window Panning, Add</i>	13.75 3.44 0.59 7.87	3.53
07 62 13 00-0026	SF 0.040" Thick, Mill Finish, Aluminum Flashing And Trim..... <i>For Up To 100, Add</i> <i>For Baked Aluminum Colors, Add</i> <i>For Wrap Around Window Panning, Add</i>	14.38 3.60 0.65 7.87	3.53
07 62 13 00-0027	SF 0.050" Thick, Mill Finish, Aluminum Flashing And Trim..... <i>For Up To 100, Add</i> <i>For Baked Aluminum Colors, Add</i> <i>For Wrap Around Window Panning, Add</i>	14.90 3.73 0.70 7.87	3.53
<b>07 62 13 00-0028</b>	<b>Steel Flashing And Trim (07 62 13)</b>		
<b>07 62 13 00-0029</b>	<b>Galvanized Steel Flashing And Trim (07 62 13 00-0028)</b>		
07 62 13 00-0030	SF 28 Gauge, 0.019" Thick, Galvanized Steel Flashing..... <i>For Up To 100, Add</i> <i>For Wrap Around Window Panning, Add</i>	12.67 3.17 7.28	3.42
07 62 13 00-0031	SF 26 Gauge, 0.022" Thick, Galvanized Steel Flashing..... <i>For Up To 100, Add</i> <i>For Wrap Around Window Panning, Add</i>	13.20 3.30 7.51	3.77
07 62 13 00-0032	SF 24 Gauge, 0.028" Thick, Galvanized Steel Flashing..... <i>For Up To 100, Add</i> <i>For Wrap Around Window Panning, Add</i>	14.07 3.52 7.93	4.00
07 62 13 00-0033	SF 22 Gauge, 0.034" Thick, Galvanized Steel Flashing..... <i>For Up To 100, Add</i> <i>For Wrap Around Window Panning, Add</i>	14.98 3.75 8.39	4.20
07 62 13 00-0034	SF 20 Gauge, 0.04" Thick, Galvanized Steel Flashing..... <i>For Up To 100, Add</i> <i>For Wrap Around Window Panning, Add</i>	16.24 4.06 8.88	4.45
<b>07 62 19</b>	<b>Fabricated Gravel Stops and Fasciae (07 62)</b>		
07 62 19 00-0001	Drip Edge (07 62 19)		
07 62 19 00-0002	Aluminum Drip Edge (07 62 19 00-0001) Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 19 00-0003	KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0002)		
07 62 19 00-0004	0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0003)		
07 62 19 00-0005	LF Up To 5" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	10.99	1.62
07 62 19 00-0006	LF >5" To 7" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	13.63	1.73
07 62 19 00-0007	LF >7" To 9" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	15.38	1.94
07 62 19 00-0008	LF >9" To 12" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	18.44	2.05
07 62 19 00-0009	LF >12" To 15" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	23.43	2.15
07 62 19 00-0010	0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0003)		
07 62 19 00-0011	LF Up To 5" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	11.73	1.62

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 19 00-0012	LF	>5" To 7" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	14.45	1.73
07 62 19 00-0013	LF	>7" To 9" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	16.61	1.94
07 62 19 00-0014	LF	>9" To 12" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	19.92	2.05
07 62 19 00-0015	LF	>12" To 15" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	24.83	2.15
<b>07 62 19 00-0016</b>		<b>0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge</b> <i>(07 62 19 00-0003)</i>		
07 62 19 00-0017	LF	Up To 5" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	12.47	1.62
07 62 19 00-0018	LF	>5" To 7" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	15.44	1.73
07 62 19 00-0019	LF	>7" To 9" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	17.79	1.94
07 62 19 00-0020	LF	>9" To 12" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	21.39	2.05
07 62 19 00-0021	LF	>12" To 15" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	26.80	2.15
<b>07 62 19 00-0022</b>		<b>0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge</b> <i>(07 62 19 00-0003)</i>		
07 62 19 00-0023	LF	Up To 5" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	13.94	1.62
07 62 19 00-0024	LF	>5" To 7" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	17.41	1.73
07 62 19 00-0025	LF	>7" To 9" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	20.13	1.94
07 62 19 00-0026	LF	>9" To 12" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	24.34	2.05
07 62 19 00-0027	LF	>12" To 15" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	30.73	2.15
<b>07 62 19 00-0028</b>		<b>0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge</b> <i>(07 62 19 00-0003)</i>		
07 62 19 00-0029	LF	Up To 5" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	14.43	1.62
07 62 19 00-0030	LF	>5" To 7" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	18.14	1.73
07 62 19 00-0031	LF	>7" To 9" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	20.91	1.94
07 62 19 00-0032	LF	>9" To 12" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	25.33	2.05
07 62 19 00-0033	LF	>12" To 15" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	32.04	2.15
<b>07 62 19 00-0034</b>		<b>0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge</b> <i>(07 62 19 00-0003)</i>		
07 62 19 00-0035	LF	Up To 5" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	16.16	1.62
07 62 19 00-0036	LF	>5" To 7" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	20.36	1.73
07 62 19 00-0037	LF	>7" To 9" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	23.62	1.94
07 62 19 00-0038	LF	>9" To 12" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	28.77	2.05
07 62 19 00-0039	LF	>12" To 15" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	36.64	2.15
<b>07 62 19 00-0040</b>		<b>0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge</b> <i>(07 62 19 00-0003)</i>		
07 62 19 00-0041	LF	Up To 5" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	18.62	1.62
07 62 19 00-0042	LF	>5" To 7" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	23.64	1.73
07 62 19 00-0043	LF	>7" To 9" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	27.51	1.94
07 62 19 00-0044	LF	>9" To 12" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	33.69	2.05
07 62 19 00-0045	LF	>12" To 15" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	43.20	2.15
<b>07 62 19 00-0046</b>		<b>0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge</b> <i>(07 62 19 00-0003)</i>		
07 62 19 00-0047	LF	Up To 5" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	21.57	1.62
07 62 19 00-0048	LF	>5" To 7" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	27.57	1.73
07 62 19 00-0049	LF	>7" To 9" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	32.19	1.94
07 62 19 00-0050	LF	>9" To 12" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	39.60	2.05
07 62 19 00-0051	LF	>12" To 15" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	51.07	2.15
<b>07 62 19 00-0052</b>		<b>Mill Finish, Aluminum Drip Edge</b> <i>(07 62 19 00-0002)</i>		
<b>07 62 19 00-0053</b>		<b>0.016" Thick, Mill Finish, Aluminum Drip Edge</b> <i>(07 62 19 00-0052)</i>		
07 62 19 00-0054	LF	Up To 5" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge.....	9.08	1.62
07 62 19 00-0055	LF	>5" To 7" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge.....	11.04	1.73
07 62 19 00-0056	LF	>7" To 9" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge.....	12.37	1.94
07 62 19 00-0057	LF	>9" To 12" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge.....	14.62	2.05
07 62 19 00-0058	LF	>12" To 15" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge.....	18.17	2.15
<b>07 62 19 00-0059</b>		<b>0.019" Thick, Mill Finish, Aluminum Drip Edge</b> <i>(07 62 19 00-0052)</i>		
07 62 19 00-0060	LF	Up To 5" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge.....	9.59	1.62
07 62 19 00-0061	LF	>5" To 7" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge.....	11.60	1.73
07 62 19 00-0062	LF	>7" To 9" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge.....	13.22	1.94
07 62 19 00-0063	LF	>9" To 12" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge.....	15.64	2.05
07 62 19 00-0064	LF	>12" To 15" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge.....	19.13	2.15
<b>07 62 19 00-0065</b>		<b>0.025" Thick, Mill Finish, Aluminum Drip Edge</b> <i>(07 62 19 00-0052)</i>		
07 62 19 00-0066	LF	Up To 5" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge.....	10.10	1.62
07 62 19 00-0067	LF	>5" To 7" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge.....	12.28	1.73
07 62 19 00-0068	LF	>7" To 9" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge.....	14.04	1.94
07 62 19 00-0069	LF	>9" To 12" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge.....	16.66	2.05
07 62 19 00-0070	LF	>12" To 15" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge.....	20.48	2.15
<b>07 62 19 00-0071</b>		<b>0.032" Thick, Mill Finish, Aluminum Drip Edge</b> <i>(07 62 19 00-0052)</i>		
07 62 19 00-0072	LF	Up To 5" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	11.12	1.62
07 62 19 00-0073	LF	>5" To 7" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	13.64	1.73

## 07 Thermal And Moisture Protection

## 07 60 Flashing and Sheet Metal

## 07 62 Sheet Metal Flashing and Trim

MINOR		TOTAL DIRECT	DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
07 62 19 00-0074	LF	>7" To 9" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	15.65	1.94
07 62 19 00-0075	LF	>9" To 12" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	18.69	2.05
07 62 19 00-0076	LF	>12" To 15" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	23.20	2.15
<b>07 62 19 00-0077</b>		<b>0.040" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0052)</b>		
07 62 19 00-0078	LF	Up To 5" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	11.46	1.62
07 62 19 00-0079	LF	>5" To 7" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	14.15	1.73
07 62 19 00-0080	LF	>7" To 9" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	16.19	1.94
07 62 19 00-0081	LF	>9" To 12" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	19.37	2.05
07 62 19 00-0082	LF	>12" To 15" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	24.10	2.15
<b>07 62 19 00-0083</b>		<b>0.050" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0052)</b>		
07 62 19 00-0084	LF	Up To 5" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	12.64	1.62
07 62 19 00-0085	LF	>5" To 7" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	15.68	1.73
07 62 19 00-0086	LF	>7" To 9" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	18.06	1.94
07 62 19 00-0087	LF	>9" To 12" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	21.75	2.05
07 62 19 00-0088	LF	>12" To 15" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	27.27	2.15
<b>07 62 19 00-0089</b>		<b>0.063" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0052)</b>		
07 62 19 00-0090	LF	Up To 5" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	14.34	1.62
07 62 19 00-0091	LF	>5" To 7" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	17.94	1.73
07 62 19 00-0092	LF	>7" To 9" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	20.74	1.94
07 62 19 00-0093	LF	>9" To 12" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	25.14	2.05
07 62 19 00-0094	LF	>12" To 15" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	31.79	2.15
<b>07 62 19 00-0095</b>		<b>0.080" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0052)</b>		
07 62 19 00-0096	LF	Up To 5" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	16.38	1.62
07 62 19 00-0097	LF	>5" To 7" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	20.65	1.73
07 62 19 00-0098	LF	>7" To 9" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	23.97	1.94
07 62 19 00-0099	LF	>9" To 12" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	29.21	2.05
07 62 19 00-0100	LF	>12" To 15" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	37.22	2.15
<b>07 62 19 00-0101</b>		<b>Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0002)</b>		
<b>07 62 19 00-0102</b>		<b>0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0101)</b>		
07 62 19 00-0103	LF	Up To 5" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	11.36	1.62
07 62 19 00-0104	LF	>5" To 7" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	14.14	1.73
07 62 19 00-0105	LF	>7" To 9" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	15.96	1.94
07 62 19 00-0106	LF	>9" To 12" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	19.18	2.05
07 62 19 00-0107	LF	>12" To 15" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	24.45	2.15
<b>07 62 19 00-0108</b>		<b>0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0101)</b>		
07 62 19 00-0109	LF	Up To 5" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	12.14	1.62
07 62 19 00-0110	LF	>5" To 7" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	15.00	1.73
07 62 19 00-0111	LF	>7" To 9" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	17.26	1.94
07 62 19 00-0112	LF	>9" To 12" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	20.74	2.05
07 62 19 00-0113	LF	>12" To 15" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	25.93	2.15
<b>07 62 19 00-0114</b>		<b>0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0101)</b>		
07 62 19 00-0115	LF	Up To 5" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	12.92	1.62
07 62 19 00-0116	LF	>5" To 7" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	16.05	1.73
07 62 19 00-0117	LF	>7" To 9" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	18.52	1.94
07 62 19 00-0118	LF	>9" To 12" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	22.31	2.05
07 62 19 00-0119	LF	>12" To 15" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	28.02	2.15
<b>07 62 19 00-0120</b>		<b>0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0101)</b>		
07 62 19 00-0121	LF	Up To 5" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	14.49	1.62
07 62 19 00-0122	LF	>5" To 7" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	18.13	1.73
07 62 19 00-0123	LF	>7" To 9" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	21.00	1.94
07 62 19 00-0124	LF	>9" To 12" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	25.44	2.05
07 62 19 00-0125	LF	>12" To 15" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	32.19	2.15
<b>07 62 19 00-0126</b>		<b>0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0101)</b>		
07 62 19 00-0127	LF	Up To 5" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	15.01	1.62
07 62 19 00-0128	LF	>5" To 7" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	18.92	1.73
07 62 19 00-0129	LF	>7" To 9" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	21.82	1.94
07 62 19 00-0130	LF	>9" To 12" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	26.48	2.05
07 62 19 00-0131	LF	>12" To 15" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	33.58	2.15
<b>07 62 19 00-0132</b>		<b>0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0101)</b>		
07 62 19 00-0133	LF	Up To 5" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	16.83	1.62
07 62 19 00-0134	LF	>5" To 7" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	21.26	1.73
07 62 19 00-0135	LF	>7" To 9" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	24.69	1.94

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 19 00-0136	LF		>9" To 12" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	30.13	2.05
07 62 19 00-0137	LF		>12" To 15" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	38.45	2.15
<b>07 62 19 00-0138</b>			<b>0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0101)</b>		
07 62 19 00-0139	LF		Up To 5" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	19.44	1.62
07 62 19 00-0140	LF		>5" To 7" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	24.74	1.73
07 62 19 00-0141	LF		>7" To 9" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	28.82	1.94
07 62 19 00-0142	LF		>9" To 12" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	35.34	2.05
07 62 19 00-0143	LF		>12" To 15" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	45.40	2.15
<b>07 62 19 00-0144</b>			<b>0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0101)</b>		
07 62 19 00-0145	LF		Up To 5" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	22.57	1.62
07 62 19 00-0146	LF		>5" To 7" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	28.91	1.73
07 62 19 00-0147	LF		>7" To 9" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	33.77	1.94
07 62 19 00-0148	LF		>9" To 12" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	41.60	2.05
07 62 19 00-0149	LF		>12" To 15" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	53.74	2.15
<b>07 62 19 00-0150</b>			<b>Galvanized Steel Drip Edge (07 62 19 00-0001)</b>		
			Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
<b>07 62 19 00-0151</b>			<b>Galvanized Steel Drip Edge (07 62 19 00-0150)</b>		
<b>07 62 19 00-0152</b>			<b>26 Gauge, Galvanized Steel Drip Edge (07 62 19 00-0151)</b>		
07 62 19 00-0153	LF		Up To 5" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	10.49	1.62
07 62 19 00-0154	LF		>5" To 7" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	12.86	1.73
07 62 19 00-0155	LF		>7" To 9" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	14.66	1.94
07 62 19 00-0156	LF		>9" To 12" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	17.45	2.05
07 62 19 00-0157	LF		>12" To 15" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	21.54	2.15
<b>07 62 19 00-0158</b>			<b>24 Gauge, Galvanized Steel Drip Edge (07 62 19 00-0151)</b>		
07 62 19 00-0159	LF		Up To 5" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	11.35	1.62
07 62 19 00-0160	LF		>5" To 7" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	14.00	1.73
07 62 19 00-0161	LF		>7" To 9" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	16.01	1.94
07 62 19 00-0162	LF		>9" To 12" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	19.15	2.05
07 62 19 00-0163	LF		>12" To 15" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	23.79	2.15
<b>07 62 19 00-0164</b>			<b>KYNAR 500® Finish, Galvanized Steel Drip Edge (07 62 19 00-0150)</b>		
<b>07 62 19 00-0165</b>			<b>26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge (07 62 19 00-0164)</b>		
07 62 19 00-0166	LF		Up To 5" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	13.04	1.62
07 62 19 00-0167	LF		>5" To 7" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	16.27	1.73
07 62 19 00-0168	LF		>7" To 9" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	18.70	1.94
07 62 19 00-0169	LF		>9" To 12" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	22.54	2.05
07 62 19 00-0170	LF		>12" To 15" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	28.32	2.15
<b>07 62 19 00-0171</b>			<b>24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge (07 62 19 00-0164)</b>		
07 62 19 00-0172	LF		Up To 5" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	14.27	1.62
07 62 19 00-0173	LF		>5" To 7" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	17.92	1.73
07 62 19 00-0174	LF		>7" To 9" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	20.65	1.94
07 62 19 00-0175	LF		>9" To 12" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	25.00	2.05
07 62 19 00-0176	LF		>12" To 15" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	31.60	2.15
<b>07 62 19 00-0177</b>			<b>Stainless Steel Drip Edge (07 62 19 00-0001)</b>		
			Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
<b>07 62 19 00-0178</b>			<b>26 Gauge, Stainless Steel Drip Edge (07 62 19 00-0177)</b>		
07 62 19 00-0179	LF		Up To 5" Girth, 26 Gauge, Stainless Steel Drip Edge.....	17.74	1.62
07 62 19 00-0180	LF		>5" To 7" Girth, 26 Gauge, Stainless Steel Drip Edge.....	22.47	1.73
07 62 19 00-0181	LF		>7" To 9" Girth, 26 Gauge, Stainless Steel Drip Edge.....	26.13	1.94
07 62 19 00-0182	LF		>9" To 12" Girth, 26 Gauge, Stainless Steel Drip Edge.....	31.94	2.05
07 62 19 00-0183	LF		>12" To 15" Girth, 26 Gauge, Stainless Steel Drip Edge.....	40.86	2.15
<b>07 62 19 00-0184</b>			<b>24 Gauge, Stainless Steel Drip Edge (07 62 19 00-0177)</b>		
07 62 19 00-0185	LF		Up To 5" Girth, 24 Gauge, Stainless Steel Drip Edge.....	21.80	1.62
07 62 19 00-0186	LF		>5" To 7" Girth, 24 Gauge, Stainless Steel Drip Edge.....	27.89	1.73
07 62 19 00-0187	LF		>7" To 9" Girth, 24 Gauge, Stainless Steel Drip Edge.....	32.58	1.94
07 62 19 00-0188	LF		>9" To 12" Girth, 24 Gauge, Stainless Steel Drip Edge.....	40.06	2.05
07 62 19 00-0189	LF		>12" To 15" Girth, 24 Gauge, Stainless Steel Drip Edge.....	51.69	2.15
<b>07 62 19 00-0190</b>			<b>22 Gauge, Stainless Steel Drip Edge (07 62 19 00-0177)</b>		
07 62 19 00-0191	LF		Up To 5" Girth, 22 Gauge, Stainless Steel Drip Edge.....	26.58	1.62
07 62 19 00-0192	LF		>5" To 7" Girth, 22 Gauge, Stainless Steel Drip Edge.....	34.26	1.73
07 62 19 00-0193	LF		>7" To 9" Girth, 22 Gauge, Stainless Steel Drip Edge.....	40.14	1.94
07 62 19 00-0194	LF		>9" To 12" Girth, 22 Gauge, Stainless Steel Drip Edge.....	49.62	2.05
07 62 19 00-0195	LF		>12" To 15" Girth, 22 Gauge, Stainless Steel Drip Edge.....	64.43	2.15

**07 Thermal And Moisture Protection****07 60 Flashing and Sheet Metal****07 63 Sheet Metal Roofing Specialties**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

## 07 63 Sheet Metal Roofing Specialties (07 60)

## 07 63 00 00-0001

**Pitch Pockets (07 63)**

Note: Cut into deck, filled with non-shrink grout, includes blocking.

07 63 00 00-0002 **24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pockets (07 63 00 00-0001)**

07 63 00 00-0003	EA 4" x 4" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	90.73
	For Pourable Sealer Filled, Add	31.81
	For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	15.91
07 63 00 00-0004	EA 6" x 6" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	108.77
	For Pourable Sealer Filled, Add	71.61
	For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	35.90
07 63 00 00-0005	EA 8" x 8" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	131.29
	For Pourable Sealer Filled, Add	127.23
	For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	63.47
07 63 00 00-0006	EA 8" x 10" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	143.16
	For Pourable Sealer Filled, Add	159.04
	For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	79.78
07 63 00 00-0007	EA 8" x 12" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	154.46
	For Pourable Sealer Filled, Add	190.85
	For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	95.44
07 63 00 00-0008	SF 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	179.15
	For Pourable Sealer Filled, Add	286.27
	For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	142.26

07 63 00 00-0009 **16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pockets (07 63 00 00-0001)**

07 63 00 00-0010	EA 4" x 4" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	97.41
	For Pourable Sealer Filled, Add	31.81
	For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	15.91
07 63 00 00-0011	EA 6" x 6" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	116.11
	For Pourable Sealer Filled, Add	71.61
	For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	35.90
07 63 00 00-0012	EA 8" x 8" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	140.45
	For Pourable Sealer Filled, Add	127.23
	For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	63.47
07 63 00 00-0013	EA 8" x 10" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	155.33
	For Pourable Sealer Filled, Add	159.04
	For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	79.78
07 63 00 00-0014	EA 8" x 12" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	166.81
	For Pourable Sealer Filled, Add	190.85
	For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	95.44
07 63 00 00-0015	SF 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	192.61
	For Pourable Sealer Filled, Add	286.27
	For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	142.26

07 63 00 00-0016 **24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pockets (07 63 00 00-0001)**

07 63 00 00-0017	EA 4" x 4" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	110.86
	For Pourable Sealer Filled, Add	31.81
	For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	15.91
07 63 00 00-0018	EA 6" x 6" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	131.19
	For Pourable Sealer Filled, Add	71.61
	For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	35.90
07 63 00 00-0019	EA 8" x 8" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	150.05
	For Pourable Sealer Filled, Add	127.23
	For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	63.47
07 63 00 00-0020	EA 8" x 10" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	161.19
	For Pourable Sealer Filled, Add	159.04
	For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	79.78
07 63 00 00-0021	EA 8" x 12" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	171.58
	For Pourable Sealer Filled, Add	190.85
	For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	95.44
07 63 00 00-0022	SF 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	194.22
	For Pourable Sealer Filled, Add	286.27
	For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	142.26

07 63 00 00-0023 **Clean, Repair And Refill Existing Pitch Pockets With Non-Shrink Grout (07 63 00 00-0001)**

Note: Includes removing existing filler and refilling with non-shrink grout.

07 63 00 00-0024	EA Clean, Repair And Refill Existing 4" x 4" Pitch Pocket With Non-Shrink Grout.....	70.64
	For Pourable Sealer Filled, Add	31.81
	For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	15.91
07 63 00 00-0025	EA Clean, Repair And Refill Existing 6" x 6" Pitch Pocket With Non-Shrink Grout.....	80.31
	For Pourable Sealer Filled, Add	71.61
	For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	35.90
07 63 00 00-0026	EA Clean, Repair And Refill Existing 8" x 8" Pitch Pocket With Non-Shrink Grout.....	93.08
	For Pourable Sealer Filled, Add	127.23
	For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	63.47
07 63 00 00-0027	EA Clean, Repair And Refill Existing 8" x 10" Pitch Pocket With Non-Shrink Grout.....	101.28
	For Pourable Sealer Filled, Add	159.04
	For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	79.78
07 63 00 00-0028	EA Clean, Repair And Refill Existing 8" x 12" Pitch Pocket With Non-Shrink Grout.....	109.48
	For Pourable Sealer Filled, Add	190.85
	For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	95.44



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 63 00 00-0029	SF		Clean, Repair And Refill Existing Pitch Pocket With Non-Shrink Grout ..... <i>For Pourable Sealer Filled, Add</i>	129.77 286.27	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	142.26	

**07 63 00 00-0030 Lead Pipe Flashing For Roofs (07 63)**  
Note: Includes 6" skirt base.

07 63 00 00-0031	EA		1-1/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 3/4" Pipe.....	93.51	28.83
07 63 00 00-0032	EA		1-1/2" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 1" Pipe .....	93.51	28.83
07 63 00 00-0033	EA		2-3/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 2" Pipe .....	113.61	28.83
07 63 00 00-0034	EA		3-3/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 3" Pipe .....	125.09	28.83
07 63 00 00-0035	EA		4-1/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 3-1/2" Pipe .....	130.83	28.83
07 63 00 00-0036	EA		4-3/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 4" Pipe .....	133.70	28.83
07 63 00 00-0037	EA		6-7/8" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 6" Pipe .....	162.41	28.83
07 63 00 00-0038	EA		8-7/8" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 8" Pipe .....	175.33	28.83

**07 63 00 00-0039 Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing (07 63)**

07 63 00 00-0040	EA		2" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing.....	74.02	18.63
07 63 00 00-0041	EA		3" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing.....	75.03	18.63
07 63 00 00-0042	EA		4" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing.....	78.68	18.63
07 63 00 00-0043	EA		6" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing.....	81.83	18.63

**07 65 Flexible Flashing (07 60)**

**07 65 16 Modified Bituminous Sheet Flashing (07 65)**

**07 65 16 00-0001 Liquid Flashing System For Modified And BUR Systems (07 65 16)**  
See CSI section 07 51 13 00-0036 for ceramic coated roofing granules.

07 65 16 00-0002	SF		60 Mil, Urethane Elastomer Liquid Applied Flashing .....	12.90	2.07
			Note: Includes applying a 30 mil base coat, rolling in a stichbonded polyester reinforcing scrim and applying a 30 mil second coat.		

**07 65 19 Plastic Sheet Flashing (07 65)**

**07 65 19 00-0001 Plastic Flashing And Trim (07 65 19)**

**07 65 19 00-0002 Neoprene Flashing (07 65 19 00-0001)**

**07 65 19 00-0003 60 Mil Neoprene Flashing (07 65 19 00-0002)**

07 65 19 00-0004	LF		6" Wide Strip, 60 Mil, Neoprene Flashing .....	8.80	2.90
07 65 19 00-0005	LF		12" Wide Strip, 60 Mil, Neoprene Flashing .....	11.49	3.12
07 65 19 00-0006	LF		18" Wide Strip, 60 Mil, Neoprene Flashing .....	14.50	3.44
07 65 19 00-0007	LF		24" Wide Strip, 60 Mil, Neoprene Flashing .....	17.71	3.88

**07 65 33 Flexible Roof Boot (07 65)**

**07 65 33 00-0001 Neoprene Roof Boot (07 65 33)**

07 65 33 00-0002	EA		2" Diameter Pipe, Neoprene Roof Boot .....	38.51	8.94
07 65 33 00-0003	EA		3" Diameter Pipe, Neoprene Roof Boot .....	44.95	10.01
07 65 33 00-0004	EA		4" Diameter Pipe, Neoprene Roof Boot .....	49.68	10.77

**07 70 Roof and Wall Specialties and Accessories (07)**

**07 71 Roof Specialties (07 70)**

**07 71 13 Manufactured Copings (07 71)**

**07 71 13 00-0001 Galvanized Steel Copings (07 71 13)**

**07 71 13 00-0002 KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats (07 71 13 00-0001)**

			Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 13 00-0003	LF		10" To 14" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats .....	28.25	2.33
07 71 13 00-0004	LF		>14" To 16" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats .....	29.82	2.52
07 71 13 00-0005	LF		>16" To 22" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats .....	33.94	2.65
07 71 13 00-0006	LF		>22" To 30" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats .....	39.37	2.90
07 71 13 00-0007	LF		>30" To 42" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats .....	47.45	3.03

**07 71 13 00-0008 Aluminum Copings (07 71 13)**

**07 71 13 00-0009 Mill Finish, Aluminum Coping System With Galvanized Steel Cleats (07 71 13 00-0008)**

			Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
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MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 13 00-0010			<b>0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats</b> <small>(07 71 13 00-0009)</small>		
07 71 13 00-0011	LF		10" To 14" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	22.57	2.33
07 71 13 00-0012	LF		>14" To 16" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	24.10	2.52
07 71 13 00-0013	LF		>16" To 22" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	28.00	2.65
07 71 13 00-0014	LF		>22" To 30" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	33.36	2.90
07 71 13 00-0015	LF		>30" To 42" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	41.29	3.03
07 71 13 00-0016			<b>0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats</b> <small>(07 71 13 00-0009)</small>		
07 71 13 00-0017	LF		10" To 14" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	24.43	2.33
07 71 13 00-0018	LF		>14" To 16" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	26.09	2.52
07 71 13 00-0019	LF		>16" To 22" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	30.36	2.65
07 71 13 00-0020	LF		>22" To 30" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	36.21	2.90
07 71 13 00-0021	LF		>30" To 42" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	44.91	3.03
07 71 13 00-0022			<b>0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats</b> <small>(07 71 13 00-0009)</small>		
07 71 13 00-0023	LF		10" To 14" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	25.97	2.33
07 71 13 00-0024	LF		>14" To 16" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	27.86	2.52
07 71 13 00-0025	LF		>16" To 22" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	33.29	2.65
07 71 13 00-0026	LF		>22" To 30" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	41.47	2.90
07 71 13 00-0027	LF		>30" To 42" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	53.42	3.03
07 71 13 00-0028			<b>KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats</b> <small>(07 71 13 00-0008)</small>		
			Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 13 00-0029			<b>0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats</b> <small>(07 71 13 00-0028)</small>		
07 71 13 00-0030	LF		10" To 14" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	30.97	2.33
07 71 13 00-0031	LF		>14" To 16" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	33.05	2.52
07 71 13 00-0032	LF		>16" To 22" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	38.62	2.65
07 71 13 00-0033	LF		>22" To 30" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	46.19	2.90
07 71 13 00-0034	LF		>30" To 42" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	57.59	3.03
07 71 13 00-0035			<b>0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats</b> <small>(07 71 13 00-0028)</small>		
07 71 13 00-0036	LF		10" To 14" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	33.68	2.33
07 71 13 00-0037	LF		>14" To 16" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	35.94	2.52
07 71 13 00-0038	LF		>16" To 22" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	42.04	2.65
07 71 13 00-0039	LF		>22" To 30" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	50.33	2.90
07 71 13 00-0040	LF		>30" To 42" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	62.84	3.03
07 71 13 00-0041			<b>0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats</b> <small>(07 71 13 00-0028)</small>		
07 71 13 00-0042	LF		10" To 14" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	35.91	2.33
07 71 13 00-0043	LF		>14" To 16" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	38.51	2.52
07 71 13 00-0044	LF		>16" To 22" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	46.29	2.65
07 71 13 00-0045	LF		>22" To 30" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	57.95	2.90
07 71 13 00-0046	LF		>30" To 42" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	75.18	3.03
07 71 13 00-0047			<b>Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats</b> <small>(07 71 13 00-0008)</small>		
			Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 13 00-0048			<b>0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats</b> <small>(07 71 13 00-0047)</small>		
07 71 13 00-0049	LF		10" To 14" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats .....	32.60	2.33

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 13 00-0050	LF		>14" To 16" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats .....	34.78	2.52
07 71 13 00-0051	LF		>16" To 22" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats .....	40.67	2.65
07 71 13 00-0052	LF		>22" To 30" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats .....	48.67	2.90
07 71 13 00-0053	LF		>30" To 42" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats .....	60.74	3.03
<b>07 71 13 00-0054</b>			<b>0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats (07 71 13 00-0047)</b>		
07 71 13 00-0055	LF		10" To 14" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats .....	35.47	2.33
07 71 13 00-0056	LF		>14" To 16" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats .....	37.84	2.52
07 71 13 00-0057	LF		>16" To 22" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats .....	44.29	2.65
07 71 13 00-0058	LF		>22" To 30" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats .....	53.06	2.90
07 71 13 00-0059	LF		>30" To 42" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats .....	66.31	3.03
<b>07 71 13 00-0060</b>			<b>0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats (07 71 13 00-0047)</b>		
07 71 13 00-0061	LF		10" To 14" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats .....	37.83	2.33
07 71 13 00-0062	LF		>14" To 16" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats .....	40.57	2.52
07 71 13 00-0063	LF		>16" To 22" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats .....	48.80	2.65
07 71 13 00-0064	LF		>22" To 30" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats .....	61.14	2.90
07 71 13 00-0065	LF		>30" To 42" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats .....	79.38	3.03
<b>07 71 13 00-0066</b>			<b>Removal And Reinstallation Of Metal Coping (07 71 13)</b>		
			Note: Includes storage, cleaning and supply materials.		
07 71 13 00-0067	LF		Removal And Reinstallation Of Metal Coping .....	7.93	
<b>07 71 19</b>			<b>Manufactured Gravel Stops and Fasciae (07 71)</b>		
07 71 19 00-0001			Gravel Stop (07 71 19)		
07 71 19 00-0002			Aluminum Gravel Stop (07 71 19 00-0001)		
07 71 19 00-0003			Aluminum Gravel Stop (07 71 19 00-0002)		
07 71 19 00-0004			KYNAR 500® Finish, Aluminum Gravel Stop (07 71 19 00-0003)		
07 71 19 00-0005			0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop (07 71 19 00-0004)		
07 71 19 00-0006	LF		4" To 6" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop .....	33.09	1.83
07 71 19 00-0007	LF		>6" To 10" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop .....	34.28	2.15
07 71 19 00-0008	LF		>10" To 18" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop .....	35.50	2.37
<b>07 71 19 00-0009</b>			<b>0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop (07 71 19 00-0004)</b>		
07 71 19 00-0010	LF		4" To 6" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop .....	35.13	1.83
07 71 19 00-0011	LF		>6" To 10" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop .....	36.41	2.15
07 71 19 00-0012	LF		>10" To 18" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop .....	37.75	2.37
<b>07 71 19 00-0013</b>			<b>0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop (07 71 19 00-0004)</b>		
07 71 19 00-0014	LF		4" To 6" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop .....	37.78	1.83
07 71 19 00-0015	LF		>6" To 10" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop .....	38.95	2.15
07 71 19 00-0016	LF		>10" To 18" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop .....	40.57	2.37
<b>07 71 19 00-0017</b>			<b>0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop (07 71 19 00-0004)</b>		
07 71 19 00-0018	LF		4" To 6" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop .....	39.59	1.83
07 71 19 00-0019	LF		>6" To 10" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop .....	40.82	2.15
07 71 19 00-0020	LF		>10" To 18" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop .....	42.55	2.37
<b>07 71 19 00-0021</b>			<b>Mill Finish, Aluminum Gravel Stop (07 71 19 00-0003)</b>		
<b>07 71 19 00-0022</b>			<b>0.032" Thick, Mill Finish, Aluminum Gravel Stop (07 71 19 00-0021)</b>		
07 71 19 00-0023	LF		4" To 6" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop .....	21.78	1.83
07 71 19 00-0024	LF		>6" To 10" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop .....	23.54	2.15
07 71 19 00-0025	LF		>10" To 18" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop .....	25.31	2.37
<b>07 71 19 00-0026</b>			<b>0.040" Thick, Mill Finish, Aluminum Gravel Stop (07 71 19 00-0021)</b>		

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 71 Roof Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0027	LF		4" To 6" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop.....	23.48	1.83
07 71 19 00-0028	LF		>6" To 10" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop .....	25.01	2.15
07 71 19 00-0029	LF		>10" To 18" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop .....	26.44	2.37
<b>07 71 19 00-0030</b>			<b>0.050" Thick, Mill Finish, Aluminum Gravel Stop (07 71 19 00-0021)</b>		
07 71 19 00-0031	LF		4" To 6" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop.....	25.17	1.83
07 71 19 00-0032	LF		>6" To 10" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop .....	26.71	2.15
07 71 19 00-0033	LF		>10" To 18" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop .....	28.27	2.37
<b>07 71 19 00-0034</b>			<b>0.063" Thick, Mill Finish, Aluminum Gravel Stop (07 71 19 00-0021)</b>		
07 71 19 00-0035	LF		4" To 6" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop.....	27.01	1.83
07 71 19 00-0036	LF		>6" To 10" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop .....	28.40	2.15
07 71 19 00-0037	LF		>10" To 18" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop .....	29.64	2.37
<b>07 71 19 00-0038</b>			<b>Clear Anodized Finish, Aluminum Gravel Stop (07 71 19 00-0003)</b>		
<b>07 71 19 00-0039</b>			<b>0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop (07 71 19 00-0038)</b>		
07 71 19 00-0040	LF		4" To 6" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	39.36	1.83
07 71 19 00-0041	LF		>6" To 10" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	40.83	2.15
07 71 19 00-0042	LF		>10" To 18" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	42.14	2.37
<b>07 71 19 00-0043</b>			<b>0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop (07 71 19 00-0038)</b>		
07 71 19 00-0044	LF		4" To 6" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	41.81	1.83
07 71 19 00-0045	LF		>6" To 10" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	43.38	2.15
07 71 19 00-0046	LF		>10" To 18" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	44.82	2.37
<b>07 71 19 00-0047</b>			<b>0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop (07 71 19 00-0038)</b>		
07 71 19 00-0048	LF		4" To 6" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	45.00	1.83
07 71 19 00-0049	LF		>6" To 10" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	46.43	2.15
07 71 19 00-0050	LF		>10" To 18" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	47.64	2.37
<b>07 71 19 00-0051</b>			<b>0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop (07 71 19 00-0038)</b>		
07 71 19 00-0052	LF		4" To 6" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	47.16	1.83
07 71 19 00-0053	LF		>6" To 10" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	48.68	2.15
07 71 19 00-0054	LF		>10" To 18" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	49.98	2.37
<b>07 71 19 00-0055</b>			<b>Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0002)</b> Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
<b>07 71 19 00-0056</b>			<b>KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0055)</b>		
<b>07 71 19 00-0057</b>			<b>0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0056)</b>		
07 71 19 00-0058	LF		4" To 6" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat .....	37.31	1.94
07 71 19 00-0059	LF		>6" To 10" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat.....	39.74	2.31
07 71 19 00-0060	LF		>10" To 18" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat .....	42.47	2.64
<b>07 71 19 00-0061</b>			<b>0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0056)</b>		
07 71 19 00-0062	LF		4" To 6" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat .....	39.35	1.94
07 71 19 00-0063	LF		>6" To 10" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat.....	41.86	2.31
07 71 19 00-0064	LF		>10" To 18" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat .....	44.72	2.64
<b>07 71 19 00-0065</b>			<b>0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0056)</b>		
07 71 19 00-0066	LF		4" To 6" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat .....	42.01	1.94
07 71 19 00-0067	LF		>6" To 10" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat.....	44.41	2.31
07 71 19 00-0068	LF		>10" To 18" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat .....	47.55	2.64
<b>07 71 19 00-0069</b>			<b>0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0056)</b>		
07 71 19 00-0070	LF		4" To 6" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat .....	43.81	1.94
07 71 19 00-0071	LF		>6" To 10" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat.....	46.28	2.31
07 71 19 00-0072	LF		>10" To 18" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat .....	49.52	2.64

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 71 19 00-0073			Mill Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0055)</small>		
07 71 19 00-0074			0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0073)</small>		
07 71 19 00-0075	LF		4" To 6" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	27.57	1.94
07 71 19 00-0076	LF		>6" To 10" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	29.58	2.31
07 71 19 00-0077	LF		>10" To 18" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	31.85	2.64
07 71 19 00-0078			0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0073)</small>		
07 71 19 00-0079	LF		4" To 6" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	28.98	1.94
07 71 19 00-0080	LF		>6" To 10" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	31.04	2.31
07 71 19 00-0081	LF		>10" To 18" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	33.41	2.64
07 71 19 00-0082			0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0073)</small>		
07 71 19 00-0083	LF		4" To 6" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	30.81	1.94
07 71 19 00-0084	LF		>6" To 10" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	32.80	2.31
07 71 19 00-0085	LF		>10" To 18" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	35.25	2.64
07 71 19 00-0086			0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0073)</small>		
07 71 19 00-0087	LF		4" To 6" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	32.06	1.94
07 71 19 00-0088	LF		>6" To 10" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	34.09	2.31
07 71 19 00-0089	LF		>10" To 18" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	36.61	2.64
07 71 19 00-0090			Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0055)</small>		
07 71 19 00-0091			0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0090)</small>		
07 71 19 00-0092	LF		4" To 6" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	43.59	1.94
07 71 19 00-0093	LF		>6" To 10" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	46.28	2.31
07 71 19 00-0094	LF		>10" To 18" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	49.11	2.64
07 71 19 00-0095			0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0090)</small>		
07 71 19 00-0096	LF		4" To 6" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	46.04	1.94
07 71 19 00-0097	LF		>6" To 10" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	48.84	2.31
07 71 19 00-0098	LF		>10" To 18" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	51.79	2.64
07 71 19 00-0099			0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0090)</small>		
07 71 19 00-0100	LF		4" To 6" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	49.23	1.94
07 71 19 00-0101	LF		>6" To 10" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	51.89	2.31
07 71 19 00-0102	LF		>10" To 18" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	54.61	2.64
07 71 19 00-0103			0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0090)</small>		
07 71 19 00-0104	LF		4" To 6" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	51.39	1.94
07 71 19 00-0105	LF		>6" To 10" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	54.13	2.31
07 71 19 00-0106	LF		>10" To 18" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	56.95	2.64
07 71 19 00-0107			Stainless Steel Gravel Stop <small>(07 71 19 00-0001)</small>		
07 71 19 00-0108			Stainless Steel Gravel Stop <small>(07 71 19 00-0107)</small>		
07 71 19 00-0109			26 Gauge, Stainless Steel Gravel Stop <small>(07 71 19 00-0108)</small>		
07 71 19 00-0110	LF		4" To 6" Face Height, 26 Gauge, Stainless Steel Gravel Stop.....	31.74	1.83
07 71 19 00-0111	LF		>6" To 10" Face Height, 26 Gauge, Stainless Steel Gravel Stop.....	41.63	2.15
07 71 19 00-0112	LF		>10" To 18" Face Height, 26 Gauge, Stainless Steel Gravel Stop.....	61.52	2.37
07 71 19 00-0113			24 Gauge, Stainless Steel Gravel Stop <small>(07 71 19 00-0108)</small>		
07 71 19 00-0114	LF		4" To 6" Face Height, 24 Gauge, Stainless Steel Gravel Stop.....	39.38	1.83

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 71 Roof Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0115	LF		>6" To 10" Face Height, 24 Gauge, Stainless Steel Gravel Stop.....	51.82	2.15
07 71 19 00-0116	LF		>10" To 18" Face Height, 24 Gauge, Stainless Steel Gravel Stop.....	76.81	2.37
<b>07 71 19 00-0117</b>			<b>22 Gauge, Stainless Steel Gravel Stop (07 71 19 00-0108)</b>		
07 71 19 00-0118	LF		4" To 6" Face Height, 22 Gauge, Stainless Steel Gravel Stop.....	47.51	1.83
07 71 19 00-0119	LF		>6" To 10" Face Height, 22 Gauge, Stainless Steel Gravel Stop.....	62.65	2.15
07 71 19 00-0120	LF		>10" To 18" Face Height, 22 Gauge, Stainless Steel Gravel Stop.....	93.06	2.37
<b>07 71 19 00-0121</b>			<b>Stainless Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0107)</b>		
			Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
<b>07 71 19 00-0122</b>			<b>26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0121)</b>		
07 71 19 00-0123	LF		4" To 6" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	37.47	1.94
07 71 19 00-0124	LF		>6" To 10" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	49.05	2.31
07 71 19 00-0125	LF		>10" To 18" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	71.03	2.64
<b>07 71 19 00-0126</b>			<b>24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0121)</b>		
07 71 19 00-0127	LF		4" To 6" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	45.11	1.94
07 71 19 00-0128	LF		>6" To 10" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	59.24	2.31
07 71 19 00-0129	LF		>10" To 18" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	86.32	2.64
<b>07 71 19 00-0130</b>			<b>22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0121)</b>		
07 71 19 00-0131	LF		4" To 6" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	53.23	1.94
07 71 19 00-0132	LF		>6" To 10" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	70.07	2.31
07 71 19 00-0133	LF		>10" To 18" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	102.57	2.64
<b>07 71 19 00-0134</b>			<b>Galvanized Steel Gravel Stop (07 71 19 00-0001)</b>		
<b>07 71 19 00-0135</b>			<b>Galvanized Steel Gravel Stop (07 71 19 00-0134)</b>		
<b>07 71 19 00-0136</b>			<b>KYNAR 500® Finish, Galvanized Steel Gravel Stop (07 71 19 00-0135)</b>		
<b>07 71 19 00-0137</b>			<b>24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop (07 71 19 00-0136)</b>		
07 71 19 00-0138	LF		4" To 6" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop.....	30.38	1.83
07 71 19 00-0139	LF		>6" To 10" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop.....	31.53	2.15
07 71 19 00-0140	LF		>10" To 18" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop.....	32.89	2.37
<b>07 71 19 00-0141</b>			<b>Galvanized Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0134)</b>		
			Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
<b>07 71 19 00-0142</b>			<b>KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0141)</b>		
<b>07 71 19 00-0143</b>			<b>24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0142)</b>		
07 71 19 00-0144	LF		4" To 6" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat.....	34.73	1.94
07 71 19 00-0145	LF		>6" To 10" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat.....	37.14	2.31
07 71 19 00-0146	LF		>10" To 18" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat.....	40.05	2.64
<b>07 71 19 00-0147</b>			<b>Copper Gravel Stop (07 71 19 00-0001)</b>		
<b>07 71 19 00-0148</b>			<b>Copper Gravel Stop (07 71 19 00-0147)</b>		
<b>07 71 19 00-0149</b>			<b>20 Ounce, Copper Gravel Stop (07 71 19 00-0148)</b>		
07 71 19 00-0150	LF		4" To 6" Face Height, 20 Ounce, Copper Gravel Stop.....	50.49	1.83
07 71 19 00-0151	LF		>6" To 10" Face Height, 20 Ounce, Copper Gravel Stop.....	57.83	2.15
07 71 19 00-0152	LF		>10" To 18" Face Height, 20 Ounce, Copper Gravel Stop.....	66.80	2.37
<b>07 71 19 00-0153</b>			<b>16 Ounce, Copper Gravel Stop (07 71 19 00-0148)</b>		
07 71 19 00-0154	LF		4" To 6" Face Height, 16 Ounce, Copper Gravel Stop.....	61.19	1.83
07 71 19 00-0155	LF		>6" To 10" Face Height, 16 Ounce, Copper Gravel Stop.....	70.91	2.15
07 71 19 00-0156	LF		>10" To 18" Face Height, 16 Ounce, Copper Gravel Stop.....	81.06	2.37
<b>07 71 19 00-0157</b>			<b>Copper Gravel Stop System With Continuous Cleat (07 71 19 00-0147)</b>		
			Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
<b>07 71 19 00-0158</b>			<b>20 Ounce, Copper Gravel Stop System With Continuous Cleat (07 71 19 00-0157)</b>		
07 71 19 00-0159	LF		4" To 6" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat.....	52.58	1.94
07 71 19 00-0160	LF		>6" To 10" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat.....	60.50	2.31
07 71 19 00-0161	LF		>10" To 18" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat.....	70.16	2.64
<b>07 71 19 00-0162</b>			<b>16 Ounce, Copper Gravel Stop System With Continuous Cleat (07 71 19 00-0157)</b>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0163	LF		4" To 6" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat .....	63.28	1.94
07 71 19 00-0164	LF		>6" To 10" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat .....	73.58	2.31
07 71 19 00-0165	LF		>10" To 18" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat .....	84.43	2.64
07 71 19 00-0166			<b>Fascia</b> (07 71 19)		
07 71 19 00-0167			<b>Snap-On Cover Fascia</b> (07 71 19 00-0166) Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0168			<b>Galvanized Steel Snap-On Cover Fascia</b> (07 71 19 00-0167)		
07 71 19 00-0169			<b>KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia</b> (07 71 19 00-0168)		
07 71 19 00-0170			<b>24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia</b> (07 71 19 00-0169)		
07 71 19 00-0171	LF		3" To 5" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat.....	37.02	2.69
07 71 19 00-0172	LF		>5" To 7" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat.....	41.60	2.80
07 71 19 00-0173	LF		>7" To 9" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat.....	44.55	2.90
07 71 19 00-0174			<b>Accessories For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems</b> (07 71 19 00-0169)		
07 71 19 00-0175			<b>Fascia Sumps For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems</b> (07 71 19 00-0174)		
07 71 19 00-0176	EA		Fascia Sump For 3" To 5" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems .....	254.79	3.77
07 71 19 00-0177	EA		Fascia Sump For >5" To 7" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems .....	272.09	3.77
07 71 19 00-0178	EA		Fascia Sump For >7" To 9" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems .....	282.96	3.77
07 71 19 00-0179			<b>Fascia Spillout Scuppers For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems</b> (07 71 19 00-0174)		
07 71 19 00-0180	EA		Fascia Spillout Scupper For 3" To 5" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems.....	207.69	3.77
07 71 19 00-0181	EA		Fascia Spillout Scupper For >5" To 7" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems .....	216.42	3.77
07 71 19 00-0182	EA		Fascia Spillout Scupper For >7" To 9" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems .....	221.74	3.77
07 71 19 00-0183			<b>Aluminum Snap-On Cover Fascia</b> (07 71 19 00-0167)		
07 71 19 00-0184			<b>KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat</b> (07 71 19 00-0183)		
07 71 19 00-0185			<b>0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat</b> (07 71 19 00-0184)		
07 71 19 00-0186	LF		3" To 5" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	21.16	2.69
07 71 19 00-0187	LF		>5" To 7" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	23.86	2.80
07 71 19 00-0188	LF		>7" To 9" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	25.31	2.90
07 71 19 00-0189			<b>0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat</b> (07 71 19 00-0184)		
07 71 19 00-0190	LF		3" To 5" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	22.19	2.69
07 71 19 00-0191	LF		>5" To 7" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	25.18	2.80
07 71 19 00-0192	LF		>7" To 9" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	26.80	2.90
07 71 19 00-0193			<b>Accessories For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems</b> (07 71 19 00-0184)		
07 71 19 00-0194			<b>Fascia Sumps For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems</b> (07 71 19 00-0193)		
07 71 19 00-0195	EA		Fascia Sump For 3" To 5" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems .....	133.10	3.77
07 71 19 00-0196	EA		Fascia Sump For >5" To 7" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems .....	144.25	3.77
07 71 19 00-0197	EA		Fascia Sump For >7" To 9" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems .....	149.13	3.77
07 71 19 00-0198			<b>Fascia Spillout Scuppers For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems</b> (07 71 19 00-0193)		
07 71 19 00-0199	EA		Fascia Spillout Scupper For 3" To 5" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems.....	105.61	3.77
07 71 19 00-0200	EA		Fascia Spillout Scupper For >5" To 7" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems.....	111.16	3.77

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 71 Roof Specialties**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 71 19 00-0201	EA	Fascia Spillout Scupper For >7" To 9" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems.....	113.59	3.77
07 71 19 00-0202		Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat <small>(07 71 19 00-0183)</small>		
07 71 19 00-0203		0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat <small>(07 71 19 00-0202)</small>		
07 71 19 00-0204	LF	3" To 5" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	24.31	2.69
07 71 19 00-0205	LF	>5" To 7" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	27.51	2.80
07 71 19 00-0206	LF	>7" To 9" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	29.21	2.90
07 71 19 00-0207		0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat <small>(07 71 19 00-0202)</small>		
07 71 19 00-0208	LF	3" To 5" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	25.55	2.69
07 71 19 00-0209	LF	>5" To 7" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	29.10	2.80
07 71 19 00-0210	LF	>7" To 9" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	31.00	2.90
07 71 19 00-0211		Accessories For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems <small>(07 71 19 00-0202)</small>		
07 71 19 00-0212		Fascia Sumps For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems <small>(07 71 19 00-0211)</small>		
07 71 19 00-0213	EA	Fascia Sump For 3" To 5" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	164.49	3.77
07 71 19 00-0214	EA	Fascia Sump For >5" To 7" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	178.43	3.77
07 71 19 00-0215	EA	Fascia Sump For >7" To 9" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	184.53	3.77
07 71 19 00-0216		Fascia Spillout Scuppers For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems <small>(07 71 19 00-0211)</small>		
07 71 19 00-0217	EA	Fascia Spillout Scupper For 3" To 5" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	130.13	3.77
07 71 19 00-0218	EA	Fascia Spillout Scupper For >5" To 7" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	137.07	3.77
07 71 19 00-0219	EA	Fascia Spillout Scupper For >7" To 9" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	140.11	3.77
<b>07 71 23</b>		<b>Manufactured Gutters and Downspouts <small>(07 71)</small></b>		
		Note: Includes all necessary support straps.		
07 71 23 00-0001		Aluminum Gutters And Downspouts <small>(07 71 23)</small>		
07 71 23 00-0002		Aluminum Gutters <small>(07 71 23 00-0001)</small>		
		Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0003		K-Style Aluminum Gutters <small>(07 71 23 00-0002)</small>		
07 71 23 00-0004	LF	5", 0.027" Thick, K-Style Aluminum Gutter.....	9.59	4.23
		For Up To 100', Add	2.00	
		For >100' To 250', Add	0.83	
		For >1,000', Deduct	-0.70	
		For Kynar 500® Finish, Add	1.18	
07 71 23 00-0005	LF	6", 0.027" Thick, K-Style Aluminum Gutter.....	10.65	4.45
		For Up To 100', Add	2.16	
		For >100' To 250', Add	0.90	
		For >1,000', Deduct	-0.73	
		For Kynar 500® Finish, Add	1.50	
07 71 23 00-0006	LF	5", 0.032" Thick, K-Style Aluminum Gutter.....	9.97	4.23
		For Up To 100', Add	2.04	
		For >100' To 250', Add	0.85	
		For >1,000', Deduct	-0.70	
		For Kynar 500® Finish, Add	1.35	
07 71 23 00-0007	LF	6", 0.032" Thick, K-Style Aluminum Gutter.....	11.14	4.45
		For Up To 100', Add	2.21	
		For >100' To 250', Add	0.92	
		For >1,000', Deduct	-0.73	
		For Kynar 500® Finish, Add	1.72	
07 71 23 00-0008	LF	7", 0.032" Thick, K-Style Aluminum Gutter.....	20.24	4.68
		For Up To 100', Add	3.20	
		For >100' To 250', Add	1.41	
		For >1,000', Deduct	-0.79	
		For Kynar 500® Finish, Add	5.57	
07 71 23 00-0009	LF	8", 0.032" Thick, K-Style Aluminum Gutter.....	22.20	5.26
		For Up To 100', Add	3.52	
		For >100' To 250', Add	1.54	
		For >1,000', Deduct	-0.87	
		For Kynar 500® Finish, Add	6.08	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0010 LF 8", 0.040" Thick, K-Style Aluminum Gutter ..... <i>For Up To 100', Add</i> <i>For &gt;100' To 250', Add</i> <i>For &gt;1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i>	24.81 3.78 1.67 -0.87 7.26	5.26
<b>07 71 23 00-0011 Half Round Aluminum Gutters (07 71 23 00-0002)</b>		
07 71 23 00-0012 LF 5", 0.027" Thick, Half Round Aluminum Gutter ..... <i>For Up To 100', Add</i> <i>For &gt;100' To 250', Add</i> <i>For &gt;1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i>	17.15 2.76 1.21 -0.70 4.58	4.23
07 71 23 00-0013 LF 6", 0.032" Thick, Half Round Aluminum Gutter ..... <i>For Up To 100', Add</i> <i>For &gt;100' To 250', Add</i> <i>For &gt;1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i>	20.56 3.15 1.39 -0.73 5.96	4.45
<b>07 71 23 00-0014 Box Style Aluminum Gutters (07 71 23 00-0002)</b>		
07 71 23 00-0015 LF 6", 0.027" Thick, Box Style Aluminum Gutter ..... <i>For Up To 100', Add</i> <i>For &gt;100' To 250', Add</i> <i>For &gt;1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i>	18.13 3.12 1.34 -0.87 4.25	5.26
07 71 23 00-0016 LF 6", 0.032" Thick, Box Style Aluminum Gutter ..... <i>For Up To 100', Add</i> <i>For &gt;100' To 250', Add</i> <i>For &gt;1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i>	18.17 3.12 1.34 -0.87 4.27	5.26
07 71 23 00-0017 LF 7", 0.032" Thick, Box Style Aluminum Gutter ..... <i>For Up To 100', Add</i> <i>For &gt;100' To 250', Add</i> <i>For &gt;1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i>	21.07 3.49 1.52 -0.92 5.32	5.60
07 71 23 00-0018 LF 8", 0.032" Thick, Box Style Aluminum Gutter ..... <i>For Up To 100', Add</i> <i>For &gt;100' To 250', Add</i> <i>For &gt;1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i>	23.75 3.85 1.68 -0.98 6.27	5.94
<b>07 71 23 00-0019 Aluminum Gutter End Caps (07 71 23 00-0001)</b>		
<b>07 71 23 00-0020 K-Style, Aluminum Gutter End Caps (07 71 23 00-0019)</b>		
07 71 23 00-0021 EA 5", K-Style Aluminum Gutter End Cap ..... <i>For Kynar 500® Finish, Add</i>	3.20 0.41	
07 71 23 00-0022 EA 6", K-Style Aluminum Gutter End Cap ..... <i>For Kynar 500® Finish, Add</i>	3.94 0.74	
07 71 23 00-0023 EA 7", K-Style Aluminum Gutter End Cap ..... <i>For Kynar 500® Finish, Add</i>	8.44 2.77	
07 71 23 00-0024 EA 8", K-Style Aluminum Gutter End Cap ..... <i>For Kynar 500® Finish, Add</i>	9.82 3.39	
<b>07 71 23 00-0025 Half Round, Aluminum Gutter End Caps (07 71 23 00-0019)</b>		
07 71 23 00-0026 EA 5", Half Round Aluminum Gutter End Cap ..... <i>For Kynar 500® Finish, Add</i>	5.09 1.26	
07 71 23 00-0027 EA 6", Half Round Aluminum Gutter End Cap ..... <i>For Kynar 500® Finish, Add</i>	7.82 2.49	
<b>07 71 23 00-0028 Box Style, Aluminum Gutter End Caps (07 71 23 00-0019)</b>		
07 71 23 00-0029 EA 6", Box Style Aluminum Gutter End Cap ..... <i>For Kynar 500® Finish, Add</i>	9.20 3.11	
07 71 23 00-0030 EA 7", Box Style Aluminum Gutter End Cap ..... <i>For Kynar 500® Finish, Add</i>	9.99 3.47	
07 71 23 00-0031 EA 8", Box Style Aluminum Gutter End Cap ..... <i>For Kynar 500® Finish, Add</i>	11.71 4.24	
<b>07 71 23 00-0032 Aluminum Gutter Miters (07 71 23 00-0001)</b> Note: Inside or outside miters.		
<b>07 71 23 00-0033 K-Style, Aluminum Gutter Miters (07 71 23 00-0032)</b>		
07 71 23 00-0034 EA 5", K-Style Aluminum Gutter Miter ..... <i>For Kynar 500® Finish, Add</i>	18.73 3.24	
07 71 23 00-0035 EA 6", K-Style Aluminum Gutter Miter ..... <i>For Kynar 500® Finish, Add</i>	24.80 5.61	
07 71 23 00-0036 EA 7", K-Style Aluminum Gutter Miter ..... <i>For Kynar 500® Finish, Add</i>	73.12 27.00	
07 71 23 00-0037 EA 8", K-Style Aluminum Gutter Miter ..... <i>For Kynar 500® Finish, Add</i>	79.37 29.39	
<b>07 71 23 00-0038 Half Round, Aluminum Gutter Miters (07 71 23 00-0032)</b>		

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 71 Roof Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0039	EA		5", Half Round Aluminum Gutter Miter..... <i>For Kynar 500® Finish, Add</i>	31.95 9.19	
07 71 23 00-0040	EA		6", Half Round Aluminum Gutter Miter..... <i>For Kynar 500® Finish, Add</i>	49.95 16.92	
<b>07 71 23 00-0041</b>			<b>Box Style, Aluminum Gutter Miters</b> (07 71 23 00-0032)		
07 71 23 00-0042	EA		6", Box Style Aluminum Gutter Miter..... <i>For Kynar 500® Finish, Add</i>	59.35 21.15	
07 71 23 00-0043	EA		7", Box Style Aluminum Gutter Miter..... <i>For Kynar 500® Finish, Add</i>	88.12 33.75	
07 71 23 00-0044	EA		8", Box Style Aluminum Gutter Miter..... <i>For Kynar 500® Finish, Add</i>	95.70 36.74	
<b>07 71 23 00-0045</b>			<b>Aluminum Gutter Wire Strainers</b> (07 71 23 00-0001)		
07 71 23 00-0046	EA		3" Diameter, Round Aluminum Wire Strainer..... <i>For Kynar 500® Finish, Add</i> <i>For 0.024" Thick, Add</i> <i>For 0.027" Thick, Add</i> <i>For 0.031" Thick, Add</i>	13.43 3.37 1.05 2.17 3.14	2.85
07 71 23 00-0047	EA		4" Diameter, Round Aluminum Wire Strainer..... <i>For Kynar 500® Finish, Add</i> <i>For 0.024" Thick, Add</i> <i>For 0.027" Thick, Add</i> <i>For 0.031" Thick, Add</i>	19.73 6.20 1.93 4.00 5.79	2.85
<b>07 71 23 00-0048</b>			<b>Aluminum Downspouts</b> (07 71 23 00-0001) Note: Includes elbows, hangers and fasteners.		
<b>07 71 23 00-0049</b>			<b>Round Aluminum Downspouts</b> (07 71 23 00-0048)		
07 71 23 00-0050	LF		3" Diameter, 0.019" Thick, Round Aluminum Downspout..... <i>For Up To 100', Add</i> <i>For &gt;100 To 250', Add</i> <i>For &gt;1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i> <i>For 0.024" Thick, Add</i> <i>For 0.027" Thick, Add</i> <i>For 0.031" Thick, Add</i>	6.56 1.10 0.48 -0.30 1.62 0.50 1.04 1.51	2.74
07 71 23 00-0051	LF		4" Diameter, 0.019" Thick, Round Aluminum Downspout..... <i>For Up To 100', Add</i> <i>For &gt;100 To 250', Add</i> <i>For &gt;1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i> <i>For 0.024" Thick, Add</i> <i>For 0.027" Thick, Add</i> <i>For 0.031" Thick, Add</i>	7.40 1.19 0.52 -0.30 1.99 0.62 1.28 1.86	2.74
<b>07 71 23 00-0052</b>			<b>Rectangular Aluminum Downspouts</b> (07 71 23 00-0048)		
07 71 23 00-0053	LF		2" x 3", 0.019" Thick, Rectangular Aluminum Downspout..... <i>For Up To 100', Add</i> <i>For &gt;100 To 250', Add</i> <i>For &gt;1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i> <i>For 0.024" Thick, Add</i> <i>For 0.027" Thick, Add</i> <i>For 0.031" Thick, Add</i>	4.81 0.93 0.39 -0.30 0.83 0.26 0.53 0.77	2.74
07 71 23 00-0054	LF		3" x 4", 0.019" Thick, Rectangular Aluminum Downspout..... <i>For Up To 100', Add</i> <i>For &gt;100 To 250', Add</i> <i>For &gt;1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i> <i>For 0.024" Thick, Add</i> <i>For 0.027" Thick, Add</i> <i>For 0.031" Thick, Add</i>	5.88 1.03 0.44 -0.30 1.31 0.41 0.84 1.22	2.74
07 71 23 00-0055	LF		4" x 5", 0.019" Thick, Rectangular Aluminum Downspout..... <i>For Up To 100', Add</i> <i>For &gt;100 To 250', Add</i> <i>For &gt;1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i> <i>For 0.024" Thick, Add</i> <i>For 0.027" Thick, Add</i> <i>For 0.031" Thick, Add</i>	10.39 1.48 0.67 -0.30 3.34 1.04 2.15 3.12	2.74
<b>07 71 23 00-0056</b>			<b>Aluminum Devices</b> (07 71 23 00-0001)		
07 71 23 00-0057	EA		Thru-Wall Aluminum Scupper Outlet..... <i>For Kynar 500® Finish, Add</i>	184.53 46.70	24.22
07 71 23 00-0058	EA		Aluminum Leader/Conductor Head..... <i>For Kynar 500® Finish, Add</i>	210.09 70.32	26.92
<b>07 71 23 00-0059</b>			<b>Copper Gutters And Downspouts</b> (07 71 23)		
<b>07 71 23 00-0060</b>			<b>Copper Gutters</b> (07 71 23 00-0059) Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>07 71 23 00-0061</b>			<b>K-Style Copper Gutters (07 71 23 00-0060)</b>		
07 71 23 00-0062	LF		4", 16 Ounce, K-Style Copper Gutter.....	18.70	4.00
			For Up To 100', Add	2.86	
			For >100' To 250', Add	1.27	
			For >1,000', Deduct	-0.66	
07 71 23 00-0063	LF		5", 16 Ounce, K-Style Copper Gutter.....	26.58	4.23
			For Up To 100', Add	3.70	
			For >100' To 250', Add	1.68	
			For >1,000', Deduct	-0.70	
07 71 23 00-0064	LF		6", 16 Ounce, K-Style Copper Gutter.....	31.74	4.45
			For Up To 100', Add	4.27	
			For >100' To 250', Add	1.95	
			For >1,000', Deduct	-0.73	
07 71 23 00-0065	LF		5", 20 Ounce, K-Style Copper Gutter.....	33.63	4.23
			For Up To 100', Add	4.41	
			For >100' To 250', Add	2.03	
			For >1,000', Deduct	-0.70	
07 71 23 00-0066	LF		6", 20 Ounce, K-Style Copper Gutter.....	41.73	4.45
			For Up To 100', Add	5.27	
			For >100' To 250', Add	2.45	
			For >1,000', Deduct	-0.73	
07 71 23 00-0067	LF		7", 20 Ounce, K-Style Copper Gutter.....	48.63	4.68
			For Up To 100', Add	6.04	
			For >100' To 250', Add	2.83	
			For >1,000', Deduct	-0.79	
07 71 23 00-0068	LF		8", 20 Ounce, K-Style Copper Gutter.....	54.09	5.26
			For Up To 100', Add	6.71	
			For >100' To 250', Add	3.14	
			For >1,000', Deduct	-0.87	
<b>07 71 23 00-0069</b>			<b>Half Round Copper Gutters (07 71 23 00-0060)</b>		
07 71 23 00-0070	LF		5", 16 Ounce, Half Round Copper Gutter.....	22.91	4.23
			For Up To 100', Add	3.34	
			For >100' To 250', Add	1.49	
			For >1,000', Deduct	-0.70	
07 71 23 00-0071	LF		6", 16 Ounce, Half Round Copper Gutter.....	29.01	4.45
			For Up To 100', Add	4.00	
			For >100' To 250', Add	1.82	
			For >1,000', Deduct	-0.73	
07 71 23 00-0072	LF		7", 16 Ounce, Half Round Copper Gutter.....	48.72	4.68
			For Up To 100', Add	6.05	
			For >100' To 250', Add	2.83	
			For >1,000', Deduct	-0.79	
07 71 23 00-0073	LF		5", 20 Ounce, Half Round Copper Gutter.....	26.76	4.23
			For Up To 100', Add	3.72	
			For >100' To 250', Add	1.69	
			For >1,000', Deduct	-0.70	
07 71 23 00-0074	LF		6", 20 Ounce, Half Round Copper Gutter.....	33.10	4.45
			For Up To 100', Add	4.41	
			For >100' To 250', Add	2.02	
			For >1,000', Deduct	-0.73	
07 71 23 00-0075	LF		7", 20 Ounce, Half Round Copper Gutter.....	51.22	4.68
			For Up To 100', Add	6.30	
			For >100' To 250', Add	2.95	
			For >1,000', Deduct	-0.79	
07 71 23 00-0076	LF		8", 20 Ounce, Half Round Copper Gutter.....	58.20	5.26
			For Up To 100', Add	7.12	
			For >100' To 250', Add	3.34	
			For >1,000', Deduct	-0.87	
<b>07 71 23 00-0077</b>			<b>Box Style Copper Gutters (07 71 23 00-0060)</b>		
07 71 23 00-0078	LF		5", 16 Ounce, Box Style Copper Gutter.....	27.53	4.79
			For Up To 100', Add	3.95	
			For >100' To 250', Add	1.78	
			For >1,000', Deduct	-0.80	
07 71 23 00-0079	LF		6", 16 Ounce, Box Style Copper Gutter.....	29.71	5.26
			For Up To 100', Add	4.27	
			For >100' To 250', Add	1.92	
			For >1,000', Deduct	-0.87	
07 71 23 00-0080	LF		7", 16 Ounce, Box Style Copper Gutter.....	36.12	5.60
			For Up To 100', Add	5.00	
			For >100' To 250', Add	2.27	
			For >1,000', Deduct	-0.92	
07 71 23 00-0081	LF		8", 16 Ounce, Box Style Copper Gutter.....	36.85	5.94
			For Up To 100', Add	5.16	
			For >100' To 250', Add	2.33	
			For >1,000', Deduct	-0.98	
07 71 23 00-0082	LF		5", 20 Ounce, Box Style Copper Gutter.....	31.29	4.79
			For Up To 100', Add	4.33	
			For >100' To 250', Add	1.96	
			For >1,000', Deduct	-0.80	
07 71 23 00-0083	LF		6", 20 Ounce, Box Style Copper Gutter.....	33.47	5.26
			For Up To 100', Add	4.65	
			For >100' To 250', Add	2.11	
			For >1,000', Deduct	-0.87	

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 71 Roof Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0084	LF		7", 20 Ounce, Box Style Copper Gutter ..... <i>For Up To 100', Add</i> <i>For &gt;100' To 250', Add</i> <i>For &gt;1,000', Deduct</i>	39.88 5.37 2.46 -0.92	5.60
07 71 23 00-0085	LF		8", 20 Ounce, Box Style Copper Gutter ..... <i>For Up To 100', Add</i> <i>For &gt;100' To 250', Add</i> <i>For &gt;1,000', Deduct</i>	40.61 5.53 2.52 -0.98	5.94
07 71 23 00-0086			<b>Copper Gutter End Caps (07 71 23 00-0086)</b>		
07 71 23 00-0087			<b>K-Style, Copper Gutter End Caps (07 71 23 00-0086)</b>		
07 71 23 00-0088	EA		4", K-Style Copper Gutter End Cap .....	6.45	
07 71 23 00-0089	EA		5", K-Style Copper Gutter End Cap .....	6.91	
07 71 23 00-0090	EA		6", K-Style Copper Gutter End Cap .....	7.37	
07 71 23 00-0091	EA		7", K-Style Copper Gutter End Cap .....	19.69	
07 71 23 00-0092	EA		8", K-Style Copper Gutter End Cap .....	24.01	
07 71 23 00-0093			<b>Half Round, Copper Gutter End Caps (07 71 23 00-0086)</b>		
07 71 23 00-0094	EA		4", Half Round Copper Gutter End Cap .....	7.82	
07 71 23 00-0095	EA		5", Half Round Copper Gutter End Cap .....	8.79	
07 71 23 00-0096	EA		6", Half Round Copper Gutter End Cap .....	13.30	
07 71 23 00-0097	EA		7", Half Round Copper Gutter End Cap .....	40.13	
07 71 23 00-0098	EA		8", Half Round Copper Gutter End Cap .....	47.40	
07 71 23 00-0099			<b>Box Style, Copper Gutter End Caps (07 71 23 00-0086)</b>		
07 71 23 00-0100	EA		5", Box Style Copper Gutter End Cap .....	15.07	
07 71 23 00-0101	EA		6", Box Style Copper Gutter End Cap .....	15.82	
07 71 23 00-0102	EA		7", Box Style Copper Gutter End Cap .....	16.58	
07 71 23 00-0103	EA		8", Box Style Copper Gutter End Cap .....	18.08	
07 71 23 00-0104			<b>Copper Gutter Miters (07 71 23 00-0059)</b> Note: Inside or outside miters.		
07 71 23 00-0105			<b>K-Style, Copper Gutter Miters (07 71 23 00-0104)</b>		
07 71 23 00-0106	EA		4", K-Style Copper Gutter Miter .....	41.59	
07 71 23 00-0107	EA		5", K-Style Copper Gutter Miter .....	47.13	
07 71 23 00-0108	EA		6", K-Style Copper Gutter Miter .....	67.96	
07 71 23 00-0109	EA		7", K-Style Copper Gutter Miter .....	96.24	
07 71 23 00-0110	EA		8", K-Style Copper Gutter Miter .....	112.95	
07 71 23 00-0111			<b>Half Round, Copper Gutter Miters (07 71 23 00-0104)</b>		
07 71 23 00-0112	EA		4", Half Round Copper Gutter Miter .....	65.10	
07 71 23 00-0113	EA		5", Half Round Copper Gutter Miter .....	60.16	
07 71 23 00-0114	EA		6", Half Round Copper Gutter Miter .....	86.81	
07 71 23 00-0115	EA		7", Half Round Copper Gutter Miter .....	103.56	
07 71 23 00-0116	EA		8", Half Round Copper Gutter Miter .....	122.42	
07 71 23 00-0117			<b>Box Style, Copper Gutter Miters (07 71 23 00-0104)</b>		
07 71 23 00-0118	EA		5", 16 Ounce Box Style Copper Gutter Miter .....	71.60	
07 71 23 00-0119	EA		6", 16 Ounce Box Style Copper Gutter Miter .....	73.92	
07 71 23 00-0120	EA		7", 16 Ounce Box Style Copper Gutter Miter .....	80.72	
07 71 23 00-0121	EA		8", 16 Ounce Box Style Copper Gutter Miter .....	82.33	
07 71 23 00-0122	EA		5", 20 Ounce Box Style Copper Gutter Miter .....	79.12	
07 71 23 00-0123	EA		6", 20 Ounce Box Style Copper Gutter Miter .....	81.44	
07 71 23 00-0124	EA		7", 20 Ounce Box Style Copper Gutter Miter .....	88.24	
07 71 23 00-0125	EA		8", 20 Ounce Box Style Copper Gutter Miter .....	96.68	
07 71 23 00-0126			<b>Copper Gutter Wire Strainers (07 71 23 00-0059)</b>		
07 71 23 00-0127	EA		2" Diameter, Round Copper Wire Strainer .....	17.27	2.85
07 71 23 00-0128	EA		3" Diameter, Round Copper Wire Strainer .....	20.99	2.85
07 71 23 00-0129	EA		4" Diameter, Round Copper Wire Strainer .....	33.13	2.85
07 71 23 00-0130	EA		5" Diameter, Round Copper Wire Strainer .....	43.71	2.85
07 71 23 00-0131	EA		6" Diameter, Round Copper Wire Strainer .....	52.56	2.85
07 71 23 00-0132			<b>Copper Downspouts (07 71 23 00-0059)</b> Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0133			<b>Round Copper Downspouts (07 71 23 00-0132)</b>		
07 71 23 00-0134	LF		2" Diameter, 16 Ounce, Round Copper Downspout ..... <i>For Up To 100', Add</i> <i>For &gt;100 To 250', Add</i> <i>For &gt;1,000', Deduct</i>	26.81 3.13 1.49 -0.30	2.74
07 71 23 00-0135	LF		3" Diameter, 16 Ounce, Round Copper Downspout ..... <i>For Up To 100', Add</i> <i>For &gt;100 To 250', Add</i> <i>For &gt;1,000', Deduct</i>	18.68 2.31 1.08 -0.30	2.74

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0136	LF		4" Diameter, 16 Ounce, Round Copper Downspout ..... <i>For Up To 100', Add</i> <i>For &gt;100 To 250', Add</i> <i>For &gt;1,000', Deduct</i>	23.54 2.80 1.33 -0.30	2.74
07 71 23 00-0137	LF		5" Diameter, 16 Ounce, Round Copper Downspout ..... <i>For Up To 100', Add</i> <i>For &gt;100 To 250', Add</i> <i>For &gt;1,000', Deduct</i>	37.62 4.21 2.03 -0.30	2.74
07 71 23 00-0138	LF		6" Diameter, 16 Ounce, Round Copper Downspout ..... <i>For Up To 100', Add</i> <i>For &gt;100 To 250', Add</i> <i>For &gt;1,000', Deduct</i>	48.37 5.28 2.57 -0.30	2.74
07 71 23 00-0139	LF		3" Diameter, 20 Ounce, Round Copper Downspout ..... <i>For Up To 100', Add</i> <i>For &gt;100 To 250', Add</i> <i>For &gt;1,000', Deduct</i>	25.26 2.97 1.41 -0.30	2.74
07 71 23 00-0140	LF		4" Diameter, 20 Ounce, Round Copper Downspout ..... <i>For Up To 100', Add</i> <i>For &gt;100 To 250', Add</i> <i>For &gt;1,000', Deduct</i>	32.78 3.72 1.79 -0.30	2.74
07 71 23 00-0141	LF		5" Diameter, 20 Ounce, Round Copper Downspout ..... <i>For Up To 100', Add</i> <i>For &gt;100 To 250', Add</i> <i>For &gt;1,000', Deduct</i>	49.83 5.43 2.64 -0.30	2.74
<b>07 71 23 00-0142 Square Copper Downspouts (07 71 23 00-0132)</b>					
07 71 23 00-0143	LF		3" Diameter, 16 Ounce, Square Copper Downspout ..... <i>For Up To 100', Add</i> <i>For &gt;100 To 250', Add</i> <i>For &gt;1,000', Deduct</i>	12.93 1.74 0.80 -0.30	2.74
07 71 23 00-0144	LF		4" Diameter, 16 Ounce, Square Copper Downspout ..... <i>For Up To 100', Add</i> <i>For &gt;100 To 250', Add</i> <i>For &gt;1,000', Deduct</i>	16.16 2.06 0.96 -0.30	2.74
07 71 23 00-0145	LF		5" Diameter, 16 Ounce, Square Copper Downspout ..... <i>For Up To 100', Add</i> <i>For &gt;100 To 250', Add</i> <i>For &gt;1,000', Deduct</i>	23.14 2.76 1.31 -0.30	2.74
07 71 23 00-0146	LF		3" Diameter, 20 Ounce, Square Copper Downspout ..... <i>For Up To 100', Add</i> <i>For &gt;100 To 250', Add</i> <i>For &gt;1,000', Deduct</i>	14.93 1.94 0.90 -0.30	2.74
07 71 23 00-0147	LF		4" Diameter, 20 Ounce, Square Copper Downspout ..... <i>For Up To 100', Add</i> <i>For &gt;100 To 250', Add</i> <i>For &gt;1,000', Deduct</i>	18.96 2.34 1.10 -0.30	2.74
07 71 23 00-0148	LF		5" Diameter, 20 Ounce, Square Copper Downspout ..... <i>For Up To 100', Add</i> <i>For &gt;100 To 250', Add</i> <i>For &gt;1,000', Deduct</i>	27.24 3.17 1.51 -0.30	2.74
<b>07 71 23 00-0149 Rectangular Copper Downspouts (07 71 23 00-0132)</b>					
07 71 23 00-0150	LF		2" x 3", 16 Ounce, Rectangular Copper Downspout ..... <i>For Up To 100', Add</i> <i>For &gt;100 To 250', Add</i> <i>For &gt;1,000', Deduct</i>	19.18 2.36 1.11 -0.30	2.74
07 71 23 00-0151	LF		3" x 4", 16 Ounce, Rectangular Copper Downspout ..... <i>For Up To 100', Add</i> <i>For &gt;100 To 250', Add</i> <i>For &gt;1,000', Deduct</i>	24.26 2.87 1.36 -0.30	2.74
07 71 23 00-0152	LF		4" x 5", 16 Ounce, Rectangular Copper Downspout ..... <i>For Up To 100', Add</i> <i>For &gt;100 To 250', Add</i> <i>For &gt;1,000', Deduct</i>	34.50 3.90 1.87 -0.30	2.74
07 71 23 00-0153	LF		2" x 3", 20 Ounce, Rectangular Copper Downspout ..... <i>For Up To 100', Add</i> <i>For &gt;100 To 250', Add</i> <i>For &gt;1,000', Deduct</i>	22.33 2.68 1.27 -0.30	2.74
07 71 23 00-0154	LF		3" x 4", 20 Ounce, Rectangular Copper Downspout ..... <i>For Up To 100', Add</i> <i>For &gt;100 To 250', Add</i> <i>For &gt;1,000', Deduct</i>	28.63 3.31 1.58 -0.30	2.74
07 71 23 00-0155	LF		4" x 5", 20 Ounce, Rectangular Copper Downspout ..... <i>For Up To 100', Add</i> <i>For &gt;100 To 250', Add</i> <i>For &gt;1,000', Deduct</i>	41.11 4.56 2.20 -0.30	2.74
<b>07 71 23 00-0156 Copper Devices And Accessories (07 71 23 00-0059)</b>					
07 71 23 00-0157	EA		Thru-Wall Copper Scupper Outlet.....	216.45	24.22
07 71 23 00-0158	EA		Copper Leader/Conductor Head.....	312.19	26.92
07 71 23 00-0159	EA		Copper Eave Box.....	139.79	17.13
<b>07 71 23 00-0160 Galvanized Steel Gutters And Downspouts (07 71 23)</b>					

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 71 Roof Specialties**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
07 71 23 00-0161	<b>Galvanized Steel Gutters</b> (07 71 23 00-0160) Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0162	<b>K-Style Galvanized Steel Gutters</b> (07 71 23 00-0161)		
07 71 23 00-0163	LF 5", 26 Gauge, K-Style Galvanized Steel Gutter ..... For Up To 100', Add For >100' To 250', Add For >1,000', Deduct For Kynar 500® Finish, Add For 24 Gauge, Add For 22 Gauge, Add	13.48 2.39 1.02 -0.70 2.93 1.82 3.58	4.23
07 71 23 00-0164	LF 6", 26 Gauge, K-Style Galvanized Steel Gutter ..... For Up To 100', Add For >100' To 250', Add For >1,000', Deduct For Kynar 500® Finish, Add For 24 Gauge, Add For 22 Gauge, Add	15.81 2.68 1.16 -0.73 3.83 2.38 4.68	4.45
07 71 23 00-0165	LF 7", 26 Gauge, K-Style Galvanized Steel Gutter ..... For Up To 100', Add For >100' To 250', Add For >1,000', Deduct For Kynar 500® Finish, Add For 24 Gauge, Add For 22 Gauge, Add	34.03 4.58 2.10 -0.79 11.77 7.32 14.39	4.68
07 71 23 00-0166	LF 8", 26 Gauge, K-Style Galvanized Steel Gutter ..... For Up To 100', Add For >100' To 250', Add For >1,000', Deduct For Kynar 500® Finish, Add For 24 Gauge, Add For 22 Gauge, Add	35.83 4.89 2.23 -0.87 12.22 7.60 14.93	5.26
07 71 23 00-0167	<b>Half Round Galvanized Steel Gutters</b> (07 71 23 00-0161)		
07 71 23 00-0168	LF 5", 26 Gauge, Half Round Galvanized Steel Gutter ..... For Up To 100', Add For >100' To 250', Add For >1,000', Deduct For Kynar 500® Finish, Add For 24 Gauge, Add For 22 Gauge, Add	20.21 3.07 1.36 -0.70 5.96 3.71 7.28	4.23
07 71 23 00-0169	LF 6", 26 Gauge, Half Round Galvanized Steel Gutter ..... For Up To 100', Add For >100' To 250', Add For >1,000', Deduct For Kynar 500® Finish, Add For 24 Gauge, Add For 22 Gauge, Add	25.72 3.67 1.65 -0.73 8.28 5.15 10.13	4.45
07 71 23 00-0170	LF 7", 26 Gauge, Half Round Galvanized Steel Gutter ..... For Up To 100', Add For >100' To 250', Add For >1,000', Deduct For Kynar 500® Finish, Add For 24 Gauge, Add For 22 Gauge, Add	66.52 7.83 3.72 -0.79 26.39 16.42 32.26	4.68
07 71 23 00-0171	LF 8", 26 Gauge, Half Round Galvanized Steel Gutter ..... For Up To 100', Add For >100' To 250', Add For >1,000', Deduct For Kynar 500® Finish, Add For 24 Gauge, Add For 22 Gauge, Add	70.93 8.40 3.98 -0.87 28.01 17.43 34.24	5.26
07 71 23 00-0172	<b>Box Style Galvanized Steel Gutters</b> (07 71 23 00-0161)		
07 71 23 00-0173	LF 5", 24 Gauge, Box Style Galvanized Steel Gutter ..... For Up To 100', Add For >100' To 250', Add For >1,000', Deduct For Kynar 500® Finish, Add For 22 Gauge, Add	24.24 3.62 1.61 -0.80 7.31 3.57	4.79
07 71 23 00-0174	LF 6", 24 Gauge, Box Style Galvanized Steel Gutter ..... For Up To 100', Add For >100' To 250', Add For >1,000', Deduct For Kynar 500® Finish, Add For 22 Gauge, Add	28.57 4.16 1.86 -0.87 8.95 4.38	5.26
07 71 23 00-0175	LF 7", 24 Gauge, Box Style Galvanized Steel Gutter ..... For Up To 100', Add For >100' To 250', Add For >1,000', Deduct For Kynar 500® Finish, Add For 22 Gauge, Add	36.62 4.84 2.22 -0.79 12.94 6.33	4.68
07 71 23 00-0176	LF 8", 24 Gauge, Box Style Galvanized Steel Gutter ..... For Up To 100', Add For >100' To 250', Add For >1,000', Deduct For Kynar 500® Finish, Add For 22 Gauge, Add	40.50 5.52 2.52 -0.98 13.81 6.75	5.94

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 71 23 00-0177			<b>Galvanized Steel Gutter End Caps</b> (07 71 23 00-0160)		
07 71 23 00-0178			<b>K-Style, Galvanized Steel Gutter End Caps</b> (07 71 23 00-0177)		
07 71 23 00-0179	EA		5", K-Style Galvanized Steel Gutter End Cap ..... <i>For Kynar 500® Finish, Add</i>	6.19 1.76	
07 71 23 00-0180	EA		6", K-Style Galvanized Steel Gutter End Cap ..... <i>For Kynar 500® Finish, Add</i>	7.22 2.22	
07 71 23 00-0181	EA		7", K-Style Galvanized Steel Gutter End Cap ..... <i>For Kynar 500® Finish, Add</i>	16.33 6.32	
07 71 23 00-0182	EA		8", K-Style Galvanized Steel Gutter End Cap ..... <i>For Kynar 500® Finish, Add</i>	23.94 9.74	
07 71 23 00-0183			<b>Half Round, Galvanized Steel Gutter End Caps</b> (07 71 23 00-0177)		
07 71 23 00-0184	EA		5", Half Round Galvanized Steel Gutter End Cap ..... <i>For Kynar 500® Finish, Add</i>	8.12 2.62	
07 71 23 00-0185	EA		6", Half Round Galvanized Steel Gutter End Cap ..... <i>For Kynar 500® Finish, Add</i>	9.43 3.21	
07 71 23 00-0186	EA		7", Half Round Galvanized Steel Gutter End Cap ..... <i>For Kynar 500® Finish, Add</i>	18.07 7.10	
07 71 23 00-0187	EA		8", Half Round Galvanized Steel Gutter End Cap ..... <i>For Kynar 500® Finish, Add</i>	24.63 10.05	
07 71 23 00-0188			<b>Box Style, Galvanized Steel Gutter End Caps</b> (07 71 23 00-0177)		
07 71 23 00-0189	EA		5", Box Style Galvanized Steel Gutter End Cap ..... <i>For Kynar 500® Finish, Add</i>	15.02 5.73	
07 71 23 00-0190	EA		6", Box Style Galvanized Steel Gutter End Cap ..... <i>For Kynar 500® Finish, Add</i>	18.20 7.16	
07 71 23 00-0191	EA		7", Box Style Galvanized Steel Gutter End Cap ..... <i>For Kynar 500® Finish, Add</i>	20.46 8.18	
07 71 23 00-0192	EA		8", Box Style Galvanized Steel Gutter End Cap ..... <i>For Kynar 500® Finish, Add</i>	27.60 11.39	
07 71 23 00-0193			<b>Galvanized Steel Gutter Miters</b> (07 71 23 00-0160) Note: Inside or outside miters.		
07 71 23 00-0194			<b>K-Style, Galvanized Steel Gutter Miters</b> (07 71 23 00-0193)		
07 71 23 00-0195	EA		5", K-Style Galvanized Steel Gutter Miter ..... <i>For Kynar 500® Finish, Add</i>	37.98 11.90	
07 71 23 00-0196	EA		6", K-Style Galvanized Steel Gutter Miter ..... <i>For Kynar 500® Finish, Add</i>	62.94 22.77	
07 71 23 00-0197	EA		7", K-Style Galvanized Steel Gutter Miter ..... <i>For Kynar 500® Finish, Add</i>	102.12 40.05	
07 71 23 00-0198	EA		8", K-Style Galvanized Steel Gutter Miter ..... <i>For Kynar 500® Finish, Add</i>	114.95 45.41	
07 71 23 00-0199			<b>Half Round, Galvanized Steel Gutter Miters</b> (07 71 23 00-0193)		
07 71 23 00-0200	EA		5", Half Round Galvanized Steel Gutter Miter ..... <i>For Kynar 500® Finish, Add</i>	52.93 18.63	
07 71 23 00-0201	EA		6", Half Round Galvanized Steel Gutter Miter ..... <i>For Kynar 500® Finish, Add</i>	59.63 21.28	
07 71 23 00-0202	EA		7", Half Round Galvanized Steel Gutter Miter ..... <i>For Kynar 500® Finish, Add</i>	173.95 72.37	
07 71 23 00-0203	EA		8", Half Round Galvanized Steel Gutter Miter ..... <i>For Kynar 500® Finish, Add</i>	183.80 76.39	
07 71 23 00-0204			<b>Box Style, Galvanized Steel Gutter Miters</b> (07 71 23 00-0193)		
07 71 23 00-0205	EA		5", Box Style Galvanized Steel Gutter Miter ..... <i>For Kynar 500® Finish, Add</i>	49.93 17.28	
07 71 23 00-0206	EA		6", Box Style Galvanized Steel Gutter Miter ..... <i>For Kynar 500® Finish, Add</i>	82.73 31.68	
07 71 23 00-0207	EA		7", Box Style Galvanized Steel Gutter Miter ..... <i>For Kynar 500® Finish, Add</i>	108.07 42.72	
07 71 23 00-0208	EA		8", Box Style Galvanized Steel Gutter Miter ..... <i>For Kynar 500® Finish, Add</i>	114.95 45.41	
07 71 23 00-0209			<b>Galvanized Steel Gutter Wire Strainers</b> (07 71 23 00-0160)		
07 71 23 00-0210	EA		3" Diameter, Round Galvanized Steel Wire Strainer ..... <i>For Kynar 500® Finish, Add</i>	11.91 2.68	2.85
07 71 23 00-0211	EA		4" Diameter, Round Galvanized Steel Wire Strainer ..... <i>For Kynar 500® Finish, Add</i>	16.98 4.96	2.85
07 71 23 00-0212			<b>Galvanized Steel Downspouts</b> (07 71 23 00-0160) Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0213			<b>Round Galvanized Steel Downspouts</b> (07 71 23 00-0212)		

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 71 Roof Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0214	LF		3" Diameter, 26 Gauge, Round Galvanized Steel Downspout.....	7.73	2.74
			For Up To 100', Add	1.22	
			For >100 To 250', Add	0.54	
			For >1,000', Deduct	-0.30	
			For Kynar 500® Finish, Add	2.14	
			For 24 Gauge, Add	1.33	
			For 22 Gauge, Add	2.62	
07 71 23 00-0215	LF		4" Diameter, 26 Gauge, Round Galvanized Steel Downspout.....	9.76	2.74
			For Up To 100', Add	1.42	
			For >100 To 250', Add	0.64	
			For >1,000', Deduct	-0.30	
			For Kynar 500® Finish, Add	3.06	
			For 24 Gauge, Add	1.90	
			For 22 Gauge, Add	3.73	
07 71 23 00-0216	LF		5" Diameter, 26 Gauge, Round Galvanized Steel Downspout.....	13.52	2.74
			For Up To 100', Add	1.80	
			For >100 To 250', Add	0.82	
			For >1,000', Deduct	-0.30	
			For Kynar 500® Finish, Add	4.75	
			For 24 Gauge, Add	2.95	
			For 22 Gauge, Add	5.80	
07 71 23 00-0217	LF		6" Diameter, 26 Gauge, Round Galvanized Steel Downspout.....	30.90	2.74
			For Up To 100', Add	3.54	
			For >100 To 250', Add	1.69	
			For >1,000', Deduct	-0.30	
			For Kynar 500® Finish, Add	12.57	
			For 24 Gauge, Add	7.82	
			For 22 Gauge, Add	15.36	
<b>07 71 23 00-0218</b>			<b>Square Galvanized Steel Downspouts (07 71 23 00-0212)</b>		
07 71 23 00-0219	LF		4" x 4", 26 Gauge, Square Galvanized Steel Downspout .....	8.86	2.74
			For Up To 100', Add	1.33	
			For >100 To 250', Add	0.59	
			For >1,000', Deduct	-0.30	
			For Kynar 500® Finish, Add	2.65	
			For 24 Gauge, Add	1.65	
			For 22 Gauge, Add	3.24	
07 71 23 00-0220	LF		5" x 5", 26 Gauge, Square Galvanized Steel Downspout .....	11.54	2.74
			For Up To 100', Add	1.60	
			For >100 To 250', Add	0.73	
			For >1,000', Deduct	-0.30	
			For Kynar 500® Finish, Add	3.86	
			For 24 Gauge, Add	2.40	
			For 22 Gauge, Add	4.71	
<b>07 71 23 00-0221</b>			<b>Rectangular Galvanized Steel Downspouts (07 71 23 00-0212)</b>		
07 71 23 00-0222	LF		2" x 3", 26 Gauge, Rectangular Galvanized Steel Downspout.....	7.88	2.74
			For Up To 100', Add	1.23	
			For >100 To 250', Add	0.54	
			For >1,000', Deduct	-0.30	
			For Kynar 500® Finish, Add	2.21	
			For 24 Gauge, Add	1.37	
			For 22 Gauge, Add	2.70	
07 71 23 00-0223	LF		3" x 4", 26 Gauge, Rectangular Galvanized Steel Downspout.....	10.23	2.74
			For Up To 100', Add	1.47	
			For >100 To 250', Add	0.66	
			For >1,000', Deduct	-0.30	
			For Kynar 500® Finish, Add	3.27	
			For 24 Gauge, Add	2.03	
			For 22 Gauge, Add	3.99	
07 71 23 00-0224	LF		4" x 5", 26 Gauge, Rectangular Galvanized Steel Downspout.....	19.57	2.74
			For Up To 100', Add	2.40	
			For >100 To 250', Add	1.13	
			For >1,000', Deduct	-0.30	
			For Kynar 500® Finish, Add	7.47	
			For 24 Gauge, Add	4.65	
			For 22 Gauge, Add	9.13	
<b>07 71 23 00-0225</b>			<b>Galvanized Steel Devices (07 71 23 00-0160)</b>		
07 71 23 00-0226	EA		Galvanized Steel Leader/Conductor Head.....	357.66	26.92
			For Kynar 500® Finish, Add	136.72	
07 71 23 00-0227	EA		Thru-Wall Galvanized Steel Scupper Outlet .....	156.04	24.22
			For Kynar 500® Finish, Add	33.88	
07 71 23 00-0228			<b>Stainless Steel Gutters And Downspouts (07 71 23)</b>		
			Note: AISI type 304 stainless steel.		
07 71 23 00-0229			<b>Stainless Steel Gutters (07 71 23 00-0228)</b>		
			Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0230			<b>K-Style, Stainless Steel Gutters (07 71 23 00-0229)</b>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0231	LF	5"	26 Gauge, K-Style Stainless Steel Gutter.....	33.41	4.23
			For Up To 100', Add	4.39	
			For >100' To 250', Add	2.02	
			For >1,000', Deduct	-0.70	
			For 316 Stainless Steel, Add	10.05	
			For 24 Gauge, Add	8.73	
			For 22 Gauge, Add	17.45	
			For 20 Gauge, Add	26.18	
07 71 23 00-0232	LF	6"	26 Gauge, K-Style Stainless Steel Gutter.....	40.38	4.45
			For Up To 100', Add	5.13	
			For >100' To 250', Add	2.38	
			For >1,000', Deduct	-0.73	
			For 316 Stainless Steel, Add	12.57	
			For 24 Gauge, Add	10.91	
			For 22 Gauge, Add	21.83	
			For 20 Gauge, Add	32.74	
<b>07 71 23 00-0233</b>			<b>Half Round, Stainless Steel Gutters (07 71 23 00-0229)</b>		
07 71 23 00-0234	LF	5"	26 Gauge, Half Round Stainless Steel Gutter .....	47.01	4.23
			For Up To 100', Add	5.75	
			For >100' To 250', Add	2.70	
			For >1,000', Deduct	-0.70	
			For 316 Stainless Steel, Add	15.22	
			For 24 Gauge, Add	13.21	
			For 22 Gauge, Add	26.43	
			For 20 Gauge, Add	39.64	
07 71 23 00-0235	LF	6"	26 Gauge, Half Round Stainless Steel Gutter .....	57.28	4.45
			For Up To 100', Add	6.82	
			For >100' To 250', Add	3.23	
			For >1,000', Deduct	-0.73	
			For 316 Stainless Steel, Add	18.99	
			For 24 Gauge, Add	16.49	
			For 22 Gauge, Add	32.98	
			For 20 Gauge, Add	49.47	
<b>07 71 23 00-0236</b>			<b>Box Style, Stainless Steel Gutters (07 71 23 00-0229)</b>		
07 71 23 00-0237	LF	5"	26 Gauge, Box Style Stainless Steel Gutter .....	45.71	4.79
			For Up To 100', Add	5.77	
			For >100' To 250', Add	2.69	
			For >1,000', Deduct	-0.80	
			For 316 Stainless Steel, Add	14.33	
			For 24 Gauge, Add	12.44	
			For 22 Gauge, Add	24.89	
			For 20 Gauge, Add	37.33	
			For 18 Gauge, Add	62.60	
			For Seamless Gutter, Add	-0.69	
07 71 23 00-0238	LF	6"	26 Gauge, Box Style Stainless Steel Gutter .....	56.05	5.26
			For Up To 100', Add	6.91	
			For >100' To 250', Add	3.24	
			For >1,000', Deduct	-0.87	
			For 316 Stainless Steel, Add	18.00	
			For 24 Gauge, Add	15.63	
			For 22 Gauge, Add	31.26	
			For 20 Gauge, Add	46.90	
			For 18 Gauge, Add	78.63	
			For Seamless Gutter, Add	-1.07	
07 71 23 00-0239	LF	7"	26 Gauge, Box Style Stainless Steel Gutter .....	66.49	5.60
			For Up To 100', Add	8.04	
			For >100' To 250', Add	3.79	
			For >1,000', Deduct	-0.92	
			For 316 Stainless Steel, Add	21.76	
			For 24 Gauge, Add	18.89	
			For 22 Gauge, Add	37.79	
			For 20 Gauge, Add	56.68	
			For 18 Gauge, Add	95.04	
			For Seamless Gutter, Add	-1.48	
07 71 23 00-0240	LF	8"	26 Gauge, Box Style Stainless Steel Gutter .....	72.37	5.94
			For Up To 100', Add	8.71	
			For >100' To 250', Add	4.11	
			For >1,000', Deduct	-0.98	
			For 316 Stainless Steel, Add	23.77	
			For 24 Gauge, Add	20.64	
			For 22 Gauge, Add	41.28	
			For 20 Gauge, Add	61.92	
			For 18 Gauge, Add	103.83	
			For Seamless Gutter, Add	-1.65	
<b>07 71 23 00-0241</b>			<b>Stainless Steel Gutter End Caps (07 71 23 00-0228)</b>		
<b>07 71 23 00-0242</b>			<b>K-Style, Stainless Steel Gutter End Caps (07 71 23 00-0241)</b>		
07 71 23 00-0243	EA	5"	K-Style Stainless Steel Gutter End Cap .....	10.56	
			For 316 Stainless Steel, Add	3.14	
07 71 23 00-0244	EA	6"	K-Style Stainless Steel Gutter End Cap .....	12.22	
			For 316 Stainless Steel, Add	3.77	
<b>07 71 23 00-0245</b>			<b>Half Round, Stainless Steel Gutter End Caps (07 71 23 00-0241)</b>		

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 71 Roof Specialties**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
07 71 23 00-0246	EA 5", Half Round Stainless Steel Gutter End Cap ..... <i>For 316 Stainless Steel, Add</i>	12.63 3.93	
07 71 23 00-0247	EA 6", Half Round Stainless Steel Gutter End Cap ..... <i>For 316 Stainless Steel, Add</i>	14.70 4.72	
<b>07 71 23 00-0248</b>	<b>Box Style, Stainless Steel Gutter End Caps (07 71 23 00-0241)</b>		
07 71 23 00-0249	EA 5", Box Style Stainless Steel Gutter End Cap ..... <i>For 316 Stainless Steel, Add</i>	13.19 3.93	
07 71 23 00-0250	EA 6", Box Style Stainless Steel Gutter End Cap ..... <i>For 316 Stainless Steel, Add</i>	15.26 4.72	
07 71 23 00-0251	EA 7", Box Style Stainless Steel Gutter End Cap ..... <i>For 316 Stainless Steel, Add</i>	16.06 5.09	
07 71 23 00-0252	EA 8", Box Style Stainless Steel Gutter End Cap ..... <i>For 316 Stainless Steel, Add</i>	19.54 6.27	
<b>07 71 23 00-0253</b>	<b>Stainless Steel Gutter Miters (07 71 23 00-0228)</b> Note: Inside or outside box miters.		
<b>07 71 23 00-0254</b>	<b>K-Style, Stainless Steel Gutter Miters (07 71 23 00-0253)</b>		
07 71 23 00-0255	EA 5", K-Style Stainless Steel Gutter Miter ..... <i>For 316 Stainless Steel, Add</i>	54.27 16.24	
07 71 23 00-0256	EA 6", K-Style Stainless Steel Gutter Miter ..... <i>For 316 Stainless Steel, Add</i>	88.17 28.82	
<b>07 71 23 00-0257</b>	<b>Half Round, Stainless Steel Gutter Miters (07 71 23 00-0253)</b>		
07 71 23 00-0258	EA 5", Half Round Stainless Steel Gutter Miter ..... <i>For 316 Stainless Steel, Add</i>	136.99 47.67	
07 71 23 00-0259	EA 6", Half Round Stainless Steel Gutter Miter ..... <i>For 316 Stainless Steel, Add</i>	168.08 59.18	
<b>07 71 23 00-0260</b>	<b>Box-Style, Stainless Steel Gutter Miters (07 71 23 00-0253)</b>		
07 71 23 00-0261	EA 5", Box-Style Stainless Steel Gutter Miter ..... <i>For 316 Stainless Steel, Add</i>	62.82 19.49	
07 71 23 00-0262	EA 6", Box-Style Stainless Steel Gutter Miter ..... <i>For 316 Stainless Steel, Add</i>	103.33 34.58	
07 71 23 00-0263	EA 7", Box-Style Stainless Steel Gutter Miter ..... <i>For 316 Stainless Steel, Add</i>	119.29 40.34	
07 71 23 00-0264	EA 8", Box-Style Stainless Steel Gutter Miter ..... <i>For 316 Stainless Steel, Add</i>	135.38 46.11	
<b>07 71 23 00-0265</b>	<b>Stainless Steel Gutter Wire Strainers (07 71 23 00-0228)</b>		
07 71 23 00-0266	EA 3" Diameter, Round Stainless Steel Wire Strainer .....	38.00	2.85
07 71 23 00-0267	EA 4" Diameter, Round Stainless Steel Wire Strainer .....	38.88	2.85
<b>07 71 23 00-0268</b>	<b>Stainless Steel Downspouts (07 71 23 00-0228)</b> Note: Includes elbows, hangers and fasteners.		
<b>07 71 23 00-0269</b>	<b>Round Stainless Steel Downspouts (07 71 23 00-0268)</b>		
07 71 23 00-0270	LF 3" Diameter, 26 Gauge, Round Stainless Steel Downspout ..... <i>For Up To 100', Add</i> <i>For &gt;100 To 250', Add</i> <i>For &gt;1,000', Deduct</i> <i>For 316 Stainless Steel, Add</i> <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i> <i>For 20 Gauge, Add</i>	20.06 2.45 1.15 -0.30 6.49 5.64 11.28 16.92	2.74
07 71 23 00-0271	LF 4" Diameter, 26 Gauge, Round Stainless Steel Downspout ..... <i>For Up To 100', Add</i> <i>For &gt;100 To 250', Add</i> <i>For &gt;1,000', Deduct</i> <i>For 316 Stainless Steel, Add</i> <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i> <i>For 20 Gauge, Add</i>	26.68 3.11 1.48 -0.30 9.01 7.82 15.65 23.47	2.74
07 71 23 00-0272	LF 5" Diameter, 26 Gauge, Round Stainless Steel Downspout ..... <i>For Up To 100', Add</i> <i>For &gt;100 To 250', Add</i> <i>For &gt;1,000', Deduct</i> <i>For 316 Stainless Steel, Add</i> <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i> <i>For 20 Gauge, Add</i>	39.20 4.37 2.11 -0.30 13.77 11.96 23.91 35.87	2.74
<b>07 71 23 00-0273</b>	<b>Rectangular Stainless Steel Downspouts (07 71 23 00-0268)</b>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0274	LF		2" x 3", 26 Gauge, Rectangular Stainless Steel Downspout.....	20.55	2.74
			For Up To 100', Add	2.50	
			For >100 To 250', Add	1.18	
			For >1,000', Deduct	-0.30	
			For 316 Stainless Steel, Add	6.68	
			For 24 Gauge, Add	5.80	
			For 22 Gauge, Add	11.60	
			For 20 Gauge, Add	17.40	
			For 18 Gauge, Add	29.18	
07 71 23 00-0275	LF		3" x 4", 26 Gauge, Rectangular Stainless Steel Downspout.....	27.68	2.74
			For Up To 100', Add	3.21	
			For >100 To 250', Add	1.53	
			For >1,000', Deduct	-0.30	
			For 316 Stainless Steel, Add	9.39	
			For 24 Gauge, Add	8.15	
			For 22 Gauge, Add	16.31	
			For 20 Gauge, Add	24.46	
			For 18 Gauge, Add	41.02	
07 71 23 00-0276	LF		4" x 5", 26 Gauge, Rectangular Stainless Steel Downspout.....	36.02	2.74
			For Up To 100', Add	4.05	
			For >100 To 250', Add	1.95	
			For >1,000', Deduct	-0.30	
			For 316 Stainless Steel, Add	12.56	
			For 24 Gauge, Add	10.91	
			For 22 Gauge, Add	21.81	
			For 20 Gauge, Add	32.72	
			For 18 Gauge, Add	54.86	
<b>07 71 23 00-0277</b>			<b>Stainless Steel Devices (07 71 23 00-0228)</b>		
07 71 23 00-0278	EA		Thru-Wall Stainless Steel Scupper Outlet.....	214.26	25.69
			For 316 Stainless Steel, Add	48.88	
07 71 23 00-0279	EA		Stainless Steel Leader/Conductor Head.....	482.45	25.69
			For 316 Stainless Steel, Add	161.64	
07 71 23 00-0280			<b>Vinyl Gutters And Downspouts (07 71 23)</b>		
07 71 23 00-0281			<b>Vinyl Gutters (07 71 23 00-0280)</b>		
			Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0282			<b>K-Style Vinyl Gutters (07 71 23 00-0281)</b>		
07 71 23 00-0283	LF		4", K-Style Vinyl Gutter.....	10.14	2.85
			For Up To 100', Add	1.73	
			For >100' To 250', Add	0.75	
			For >1,000', Deduct	-0.48	
07 71 23 00-0284	LF		5", K-Style Vinyl Gutter.....	12.92	2.85
			For Up To 100', Add	2.01	
			For >100' To 250', Add	0.88	
			For >1,000', Deduct	-0.48	
07 71 23 00-0285			<b>Half Round Vinyl Gutters (07 71 23 00-0281)</b>		
07 71 23 00-0286	LF		4", Half Round Vinyl Gutter.....	10.46	2.85
			For Up To 100', Add	1.76	
			For >100' To 250', Add	0.76	
			For >1,000', Deduct	-0.48	
07 71 23 00-0287	LF		5", Half Round Vinyl Gutter.....	10.96	2.85
			For Up To 100', Add	1.81	
			For >100' To 250', Add	0.79	
			For >1,000', Deduct	-0.48	
07 71 23 00-0288			<b>Vinyl Gutter End Caps (07 71 23 00-0280)</b>		
07 71 23 00-0289			<b>K-Style, Vinyl Gutter End Caps (07 71 23 00-0288)</b>		
07 71 23 00-0290	EA		4", K-Style Vinyl Gutter End Cap.....	6.19	
07 71 23 00-0291	EA		5", K-Style Vinyl Gutter End Cap.....	8.49	
07 71 23 00-0292			<b>Half Round, Vinyl Gutter End Caps (07 71 23 00-0288)</b>		
07 71 23 00-0293	EA		4", Half Round Vinyl Gutter End Cap.....	7.04	
07 71 23 00-0294	EA		5", Half Round Vinyl Gutter End Cap.....	6.66	
07 71 23 00-0295			<b>Vinyl Gutter Miters (07 71 23 00-0280)</b>		
			Note: Inside or outside miters.		
07 71 23 00-0296			<b>K-Style, Vinyl Gutter Miters (07 71 23 00-0295)</b>		
07 71 23 00-0297	EA		4", K-Style Vinyl Gutter Miter.....	15.22	
07 71 23 00-0298	EA		5", K-Style Vinyl Gutter Miter.....	22.65	
07 71 23 00-0299			<b>Half Round, Vinyl Gutter Miters (07 71 23 00-0295)</b>		
07 71 23 00-0300	EA		4", Half Round Vinyl Gutter Miter.....	15.22	
07 71 23 00-0301	EA		5", Half Round Vinyl Gutter Miter.....	16.50	

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 71 Roof Specialties**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
07 71 23 00-0302		<b>Vinyl Downspouts</b> (07 71 23 00-0280) Note: Includes elbows, hangers and fasteners.			
07 71 23 00-0303		<b>Round Vinyl Downspouts</b> (07 71 23 00-0302)			
07 71 23 00-0304	LF	2-1/2" Diameter, Round Vinyl Downspout.....	6.64		2.74
		For Up To 100', Add	1.11		
		For >100 To 250', Add	0.48		
		For >1,000', Deduct	-0.30		
07 71 23 00-0305	LF	3" Diameter, Round Vinyl Downspout.....	6.91		2.74
		For Up To 100', Add	1.14		
		For >100 To 250', Add	0.49		
		For >1,000', Deduct	-0.30		
07 71 23 00-0306		<b>Square Vinyl Downspouts</b> (07 71 23 00-0302)			
07 71 23 00-0307	LF	2-1/2", Square Vinyl Downspout.....	6.53		2.74
		For Up To 100', Add	1.10		
		For >100 To 250', Add	0.48		
		For >1,000', Deduct	-0.30		
07 71 23 00-0308		<b>Rectangular Vinyl Downspouts</b> (07 71 23 00-0302)			
07 71 23 00-0309	LF	2" x 3", Rectangular Vinyl Downspout.....	8.27		2.74
		For Up To 100', Add	1.27		
		For >100 To 250', Add	0.56		
		For >1,000', Deduct	-0.30		
07 71 23 00-0310		<b>Gutter And Downspout Boots</b> (07 71 23)			
07 71 23 00-0311		<b>Cast Iron Roof Drainage Downspout Boots</b> (07 71 23 00-0310)			
07 71 23 00-0312	EA	2" x 3" x 18" Long, Cast Iron Roof Drainage Downspout Boot.....	273.28		4.11
07 71 23 00-0313	EA	3" x 4" x 18" Long, Cast Iron Roof Drainage Downspout Boot.....	356.23		4.11
07 71 23 00-0314	EA	4" x 5" x 24" Long, Cast Iron Roof Drainage Downspout Boot.....	425.21		4.11
07 71 23 00-0315		<b>Cast Iron Roof Drainage Downspout Boots With Cleanouts</b> (07 71 23 00-0310)			
07 71 23 00-0316	EA	3" x 4" x 18" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout.....	472.63		4.11
07 71 23 00-0317	EA	4" x 5" x 24" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout.....	577.41		4.11
07 71 23 00-0318	EA	5" x 7" x 30" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout.....	1,047.95		4.11
07 71 23 00-0319		<b>Wall Mounted Downspout Covers With Hinged Perforated Cover</b> (07 71 23)			
07 71 23 00-0320	EA	3" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-03).....	949.05		27.26
		For Polished Brass Finish (-PB), Add	89.45		
		For Chrome Plated Finish (-CP), Add	134.18		
		For Vandal Proof (-U), Add	44.73		
07 71 23 00-0321	EA	4" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-04).....	967.23		36.34
		For Polished Brass Finish (-PB), Add	89.45		
		For Chrome Plated Finish (-CP), Add	134.18		
		For Vandal Proof (-U), Add	44.73		
07 71 23 00-0322	EA	6" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-06).....	1,038.71		46.97
		For Polished Brass Finish (-PB), Add	94.48		
		For Chrome Plated Finish (-CP), Add	141.72		
		For Vandal Proof (-U), Add	47.24		
07 71 23 00-0323	EA	8" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-08).....	1,108.84		59.31
		For Polished Brass Finish (-PB), Add	99.02		
		For Chrome Plated Finish (-CP), Add	148.53		
		For Vandal Proof (-U), Add	49.51		
07 71 23 00-0324	EA	10" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-10).....	1,193.94		73.07
		For Polished Brass Finish (-PB), Add	104.78		
		For Chrome Plated Finish (-CP), Add	157.17		
		For Vandal Proof (-U), Add	52.39		
07 71 23 00-0325	EA	12" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-12).....	1,315.48		102.00
		For Polished Brass Finish (-PB), Add	111.15		
		For Chrome Plated Finish (-CP), Add	166.72		
		For Vandal Proof (-U), Add	55.57		
07 71 23 00-0326	EA	15" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-15).....	1,457.96		141.86
		For Polished Brass Finish (-PB), Add	117.43		
		For Chrome Plated Finish (-CP), Add	176.14		
		For Vandal Proof (-U), Add	58.71		
07 71 23 00-0327		<b>Wall Mounted Downspout Nozzle</b> (07 71 23)			
07 71 23 00-0328	EA	3" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-03).....	247.62		27.26
		For Nickel Bronze Finish (-NB), Add	135.18		
		For Polished Bronze Finish (-PB), Add	106.21		
		For Chrome Plated Finish (-CP), Add	171.87		
07 71 23 00-0329	EA	4" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-04).....	265.80		36.34
		For Nickel Bronze Finish (-NB), Add	135.18		
		For Polished Bronze Finish (-PB), Add	106.21		
		For Chrome Plated Finish (-CP), Add	171.87		
07 71 23 00-0330	EA	6" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-06).....	552.04		46.97
		For Nickel Bronze Finish (-NB), Add	137.43		
		For Polished Bronze Finish (-PB), Add	77.88		
		For Chrome Plated Finish (-CP), Add	201.56		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0331	EA		8" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-08) ..... <i>For Nickel Bronze Finish (-NB), Add</i> <i>For Polished Bronze Finish (-PB), Add</i> <i>For Chrome Plated Finish (-CP), Add</i>	813.98 118.21 90.40 201.66	59.31
07 71 23 00-0332	EA		10" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-10) ..... <i>For Nickel Bronze Finish (-NB), Add</i> <i>For Polished Bronze Finish (-PB), Add</i> <i>For Chrome Plated Finish (-CP), Add</i>	1,048.89 153.47 117.36 261.80	73.07
07 71 23 00-0333	EA		12" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-12) ..... <i>For Nickel Bronze Finish (-NB), Add</i> <i>For Polished Bronze Finish (-PB), Add</i> <i>For Chrome Plated Finish (-CP), Add</i>	1,339.73 193.07 147.64 329.36	102.00
<b>07 71 23 00-0334</b>			<b>Leaf Guards And Cleaning</b> <small>(07 71 23)</small>		
07 71 23 00-0335	LF		Aluminum Mesh Gutter Leaf Guard ..... <i>For Up To 100', Add</i> <i>For &gt;100' To 250', Add</i> <i>For &gt;1,000', Deduct</i>	3.02 0.57 0.24 -0.18	0.89
07 71 23 00-0336	LF		Vinyl Mesh Gutter Leaf Guard ..... <i>For Up To 100', Add</i> <i>For &gt;100' To 250', Add</i> <i>For &gt;1,000', Deduct</i>	2.73 0.54 0.22 -0.18	0.89
07 71 23 00-0337	LF		6" Wide Stainless Steel Gutter Leaf Guard, 1/4" x 1/4" x 0.08" Wire ..... <i>For Up To 100', Add</i> <i>For &gt;100' To 250', Add</i> <i>For &gt;1,000', Deduct</i>	12.59 1.60 0.74 -0.23	1.11
07 71 23 00-0338	LF		9" Wide Stainless Steel Gutter Leaf Guard, 1/4" x 1/4" x 0.08" Wire ..... <i>For Up To 100', Add</i> <i>For &gt;100' To 250', Add</i> <i>For &gt;1,000', Deduct</i>	17.79 2.12 1.00 -0.23	1.11
07 71 23 00-0339	LF		6" Wide Stainless Steel Gutter Leaf Guard, 3/8" x 3/8" Mesh ..... <i>For Up To 100', Add</i> <i>For &gt;100' To 250', Add</i> <i>For &gt;1,000', Deduct</i>	9.59 1.22 0.57 -0.18	1.11
07 71 23 00-0340	LF		9" Wide Stainless Steel Gutter Leaf Guard, 3/8" x 3/8" Mesh ..... <i>For Up To 100', Add</i> <i>For &gt;100' To 250', Add</i> <i>For &gt;1,000', Deduct</i>	14.57 1.72 0.82 -0.18	1.11
07 71 23 00-0341	EA		Cleanout Roof Drain ..... Note: Includes removing dome and flushing.	145.80	
07 71 23 00-0342	LF		Cleanout Roof Gutters And Downspouts .....	1.72	
<b>07 71 26</b>			<b>Reglets</b> <small>(07 71)</small>		
07 71 26 00-0001			Counter Flashing With Reglet <small>(07 71 26)</small> Note: Includes reglet cut.		
07 71 26 00-0002			Galvanized Steel Counter Flashing With Reglet <small>(07 71 26 00-0001)</small>		
07 71 26 00-0003			Galvanized Steel Counter Flashing With Reglet <small>(07 71 26 00-0002)</small>		
07 71 26 00-0004	LF		28 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet .....	17.38	4.79
07 71 26 00-0005	LF		26 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet .....	17.59	4.79
07 71 26 00-0006	LF		24 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet .....	17.96	4.79
07 71 26 00-0007	LF		22 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet .....	19.38	4.79
07 71 26 00-0008	LF		20 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet .....	20.18	4.79
07 71 26 00-0009	LF		18 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet .....	21.11	4.79
07 71 26 00-0010			KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet <small>(07 71 26 00-0002)</small>		
07 71 26 00-0011	LF		28 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	20.89	4.79
07 71 26 00-0012	LF		26 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	21.20	4.79
07 71 26 00-0013	LF		24 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	21.74	4.79
07 71 26 00-0014	LF		22 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	23.78	4.79
07 71 26 00-0015	LF		20 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	24.95	4.79
07 71 26 00-0016	LF		18 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	26.30	4.79
07 71 26 00-0017			Aluminum Counter Flashing With Reglet <small>(07 71 26 00-0001)</small>		
07 71 26 00-0018			KYNAR 500® Finish, Aluminum Counter Flashing With Reglet <small>(07 71 26 00-0017)</small>		
07 71 26 00-0019	LF		0.019" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	14.12	4.79
07 71 26 00-0020	LF		0.025" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	14.83	4.79
07 71 26 00-0021	LF		0.032" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	15.55	4.79
07 71 26 00-0022	LF		0.040" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	16.07	4.79
07 71 26 00-0023	LF		0.050" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	17.22	4.79
07 71 26 00-0024	LF		0.063" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	18.89	4.79
07 71 26 00-0025			Mill Finish, Aluminum Counter Flashing With Reglet <small>(07 71 26 00-0017)</small>		
07 71 26 00-0026	LF		0.019" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet .....	12.48	4.79
07 71 26 00-0027	LF		0.025" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet .....	12.93	4.79
07 71 26 00-0028	LF		0.032" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet .....	13.39	4.79
07 71 26 00-0029	LF		0.040" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet .....	13.72	4.79
07 71 26 00-0030	LF		0.050" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet .....	14.46	4.79
07 71 26 00-0031	LF		0.063" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet .....	15.53	4.79

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 71 Roof Specialties**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 71 26 00-0032		Clear Anodized Finish, Aluminum Counter Flashing With Reglet <small>(07 71 26 00-0017)</small>		
07 71 26 00-0033	LF	0.019" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet .....	13.78	4.79
07 71 26 00-0034	LF	0.025" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet .....	14.44	4.79
07 71 26 00-0035	LF	0.032" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet .....	15.11	4.79
07 71 26 00-0036	LF	0.040" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet .....	15.59	4.79
07 71 26 00-0037	LF	0.050" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet .....	16.65	4.79
07 71 26 00-0038	LF	0.063" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet .....	18.20	4.79
07 71 26 00-0039		Stainless Steel Counter Flashing With Reglet <small>(07 71 26 00-0001)</small>		
07 71 26 00-0040		Stainless Steel Counter Flashing With Reglet <small>(07 71 26 00-0039)</small>		
07 71 26 00-0041	LF	24 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet.....	16.55	4.79
07 71 26 00-0042	LF	20 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet.....	17.78	4.79
07 71 26 00-0043		Copper Counter Flashing With Reglet <small>(07 71 26 00-0001)</small>		
07 71 26 00-0044		Copper Counter Flashing With Reglet <small>(07 71 26 00-0043)</small>		
07 71 26 00-0045	LF	16 Ounce, Up To 12" Wide, Copper Counter Flashing With Reglet.....	48.55	4.79

**07 72 Roof Accessories (07 70)**

**07 72 13 Manufactured Curbs (07 72)**

07 72 13 00-0001		Insulated Galvanized Steel, Prefabricated Roof Curbs <small>(07 72 13)</small> Note: Includes fasteners and sealants. Excludes flashing. See CSI section 07 62 13 00-0000 for flashing and trim.		
07 72 13 00-0002		Insulated Galvanized Steel, Prefabricated Roof Curbs <small>(07 72 13 00-0001)</small> Note: Includes pressure treated wood nailer, 1-1/2" rigid foam insulation, mill finish galvanized steel exterior wall construction, painted galvanized steel interior wall construction, installation clips and 3/16" wire mesh, 6" x 6" grids, safety security guard with installation clips.		
07 72 13 00-0003		18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs <small>(07 72 13 00-0002)</small>		
07 72 13 00-0004		9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs <small>(07 72 13 00-0003)</small>		
07 72 13 00-0005	EA	26" x 26" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	481.42	95.11
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	38.63	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	86.77	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	38.15	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	74.57	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	93.65	
07 72 13 00-0006	EA	26" x 38" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	493.81	95.11
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	39.87	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	89.25	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	46.83	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	95.39	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	112.73	
07 72 13 00-0007	EA	26" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	523.79	106.99
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	41.68	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	94.06	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	57.23	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	117.93	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	130.07	
07 72 13 00-0008	EA	26" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	571.29	106.99
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	46.43	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	103.56	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	76.31	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	154.35	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	166.49	
07 72 13 00-0009	EA	26" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	606.41	106.99
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	49.94	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	110.58	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	15.87	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	100.85	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	111.26	
07 72 13 00-0010	EA	26" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	770.63	118.88
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	65.18	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	142.24	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	126.60	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	204.65	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	237.60	
07 72 13 00-0011	EA	38" x 38" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	497.94	95.11
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	40.28	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	90.08	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	9.11	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	78.48	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	109.69	
07 72 13 00-0012	EA	38" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	525.86	106.99
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	41.89	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	94.47	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	72.84	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	145.68	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	175.16	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72	13 00-0013	EA	38" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	552.71 44.57 99.84 90.18 166.49 190.77	106.99
07 72	13 00-0014	EA	38" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	563.03 45.60 101.91 16.13 99.38 121.92	106.99
07 72	13 00-0015	EA	38" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	737.59 61.87 135.63 20.81 112.73 147.42	118.88
07 72	13 00-0016	EA	38" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	804.74 67.40 147.87 25.49 131.29 172.91	130.77
07 72	13 00-0017	EA	50" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	620.86 51.39 113.47 93.65 169.96 189.04	106.99
07 72	13 00-0018	EA	50" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	671.49 55.26 122.41 112.73 183.84 218.52	118.88
07 72	13 00-0019	EA	50" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	694.21 57.53 126.95 133.54 194.24 253.21	118.88
07 72	13 00-0020	EA	50" x 86" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	761.37 63.06 139.20 156.09 234.13 289.63	130.77
07 72	13 00-0021	EA	51" x 99" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	809.92 66.73 147.72 26.79 123.92 167.27	142.66
07 72	13 00-0022	EA	51" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	875.01 72.05 159.55 215.05 324.31 383.28	154.54
07 72	13 00-0023	EA	62" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	694.21 57.53 126.95 21.33 78.56 144.47	118.88
07 72	13 00-0024	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	738.65 60.79 134.65 163.02 248.00 301.77	130.77
07 72	13 00-0025	EA	62" x 86" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	807.86 66.52 147.31 211.58 296.57 346.86	142.66
07 72	13 00-0026	EA	62" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	828.51 68.59 151.44 31.74 116.72 203.43	142.66
07 72	13 00-0027	EA	62" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	897.73 74.32 164.09 267.08 353.80 464.79	154.54

07 Thermal And Moisture Protection

07 70 Roof and Wall Specialties and Accessories

07 72 Roof Accessories

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

Table with columns for description, quantity, unit cost, and total cost. Includes items like '12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs' with sub-descriptions for various roof pitches and materials.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0043 EA 50" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	725.19	118.88
For Sloped Roofs Up To 1 In 12 Pitch, Add	60.63	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	133.15	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	133.54	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	194.24	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	253.21	
07 72 13 00-0044 EA 50" x 86" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	794.41	130.77
For Sloped Roofs Up To 1 In 12 Pitch, Add	66.36	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	145.81	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	156.09	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	234.13	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	289.63	
07 72 13 00-0045 EA 51" x 99" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	849.16	142.66
For Sloped Roofs Up To 1 In 12 Pitch, Add	70.65	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	155.57	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	26.79	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	123.92	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	167.27	
07 72 13 00-0046 EA 51" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	920.45	154.54
For Sloped Roofs Up To 1 In 12 Pitch, Add	76.59	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	168.64	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	215.05	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	324.31	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	383.28	
07 72 13 00-0047 EA 62" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	725.19	118.88
For Sloped Roofs Up To 1 In 12 Pitch, Add	60.63	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	133.15	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	21.33	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	78.56	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	144.47	
07 72 13 00-0048 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	771.69	130.77
For Sloped Roofs Up To 1 In 12 Pitch, Add	64.09	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	141.26	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	163.02	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	248.00	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	301.77	
07 72 13 00-0049 EA 62" x 86" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	842.97	142.66
For Sloped Roofs Up To 1 In 12 Pitch, Add	70.03	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	154.33	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	211.58	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	296.57	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	346.86	
07 72 13 00-0050 EA 62" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	869.82	142.66
For Sloped Roofs Up To 1 In 12 Pitch, Add	72.72	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	159.70	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	31.74	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	116.72	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	203.43	
07 72 13 00-0051 EA 62" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	943.17	154.54
For Sloped Roofs Up To 1 In 12 Pitch, Add	78.86	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	173.18	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	267.08	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	353.80	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	464.79	
<b>07 72 13 00-0052 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs</b> <small>(07 72 13 00-0003)</small>		
07 72 13 00-0053 EA 26" x 26" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	522.73	95.11
For Sloped Roofs Up To 1 In 12 Pitch, Add	42.76	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	95.04	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	38.15	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	74.57	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	93.65	
07 72 13 00-0054 EA 26" x 38" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	528.93	95.11
For Sloped Roofs Up To 1 In 12 Pitch, Add	43.38	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	96.28	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	46.83	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	95.39	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	112.73	
07 72 13 00-0055 EA 26" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	554.77	106.99
For Sloped Roofs Up To 1 In 12 Pitch, Add	44.78	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	100.26	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	57.23	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	117.93	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	130.07	
07 72 13 00-0056 EA 26" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	614.67	106.99
For Sloped Roofs Up To 1 In 12 Pitch, Add	50.77	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	112.24	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	76.31	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	154.35	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	166.49	
07 72 13 00-0057 EA 26" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	660.11	106.99
For Sloped Roofs Up To 1 In 12 Pitch, Add	55.31	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	121.32	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	15.87	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	100.85	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	111.26	

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 72 Roof Accessories**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
07 72 13 00-0058	EA 26" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	824.33	118.88
	For Sloped Roofs Up To 1 In 12 Pitch, Add	70.55	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	152.98	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	126.60	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	204.65	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	237.60	
07 72 13 00-0059	EA 38" x 38" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	528.93	95.11
	For Sloped Roofs Up To 1 In 12 Pitch, Add	43.38	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	96.28	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	9.11	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	78.48	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	109.69	
07 72 13 00-0060	EA 38" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	554.77	106.99
	For Sloped Roofs Up To 1 In 12 Pitch, Add	44.78	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	100.26	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	72.84	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	145.68	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	175.16	
07 72 13 00-0061	EA 38" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	660.11	106.99
	For Sloped Roofs Up To 1 In 12 Pitch, Add	55.31	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	121.32	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	90.18	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	166.49	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	190.77	
07 72 13 00-0062	EA 38" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	709.68	106.99
	For Sloped Roofs Up To 1 In 12 Pitch, Add	60.27	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	131.24	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	16.13	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	99.38	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	121.92	
07 72 13 00-0063	EA 38" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	795.42	118.88
	For Sloped Roofs Up To 1 In 12 Pitch, Add	67.65	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	147.20	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	20.81	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	112.73	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	147.42	
07 72 13 00-0064	EA 38" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	872.90	130.77
	For Sloped Roofs Up To 1 In 12 Pitch, Add	74.21	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	161.50	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	25.49	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	131.29	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	172.91	
07 72 13 00-0065	EA 50" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	662.17	106.99
	For Sloped Roofs Up To 1 In 12 Pitch, Add	55.52	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	121.74	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	93.65	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	169.96	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	189.04	
07 72 13 00-0066	EA 50" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	638.38	118.88
	For Sloped Roofs Up To 1 In 12 Pitch, Add	51.95	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	115.79	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	112.73	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	183.84	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	218.52	
07 72 13 00-0067	EA 50" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	745.85	118.88
	For Sloped Roofs Up To 1 In 12 Pitch, Add	62.70	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	137.28	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	133.54	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	194.24	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	253.21	
07 72 13 00-0068	EA 50" x 86" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	819.20	130.77
	For Sloped Roofs Up To 1 In 12 Pitch, Add	68.84	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	150.76	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	156.09	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	234.13	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	289.63	
07 72 13 00-0069	EA 51" x 99" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	873.95	142.66
	For Sloped Roofs Up To 1 In 12 Pitch, Add	73.13	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	160.52	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	26.79	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	123.92	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	167.27	
07 72 13 00-0070	EA 51" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	949.36	154.54
	For Sloped Roofs Up To 1 In 12 Pitch, Add	79.48	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	174.42	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	215.05	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	324.31	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	383.28	
07 72 13 00-0071	EA 62" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	745.85	118.88
	For Sloped Roofs Up To 1 In 12 Pitch, Add	62.70	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	137.28	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	21.33	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	78.56	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	144.47	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0072	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	794.41	130.77
			For Sloped Roofs Up To 1 In 12 Pitch, Add	66.36	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	145.81	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	163.02	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	248.00	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	301.77	
07 72 13 00-0073	EA		62" x 86" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	869.82	142.66
			For Sloped Roofs Up To 1 In 12 Pitch, Add	72.72	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	159.70	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	211.58	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	296.57	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	346.86	
07 72 13 00-0074	EA		62" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	896.67	142.66
			For Sloped Roofs Up To 1 In 12 Pitch, Add	75.40	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	165.07	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	31.74	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	116.72	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	203.43	
07 72 13 00-0075	EA		62" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	974.15	154.54
			For Sloped Roofs Up To 1 In 12 Pitch, Add	81.96	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	179.38	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	267.08	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	353.80	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	464.79	
07 72 13 00-0076			14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0002)		
07 72 13 00-0077			9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0076)		
07 72 13 00-0078	EA		26" x 26" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	458.70	95.11
			For Sloped Roofs Up To 1 In 12 Pitch, Add	36.36	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	82.23	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	38.15	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	74.57	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	93.65	
07 72 13 00-0079	EA		26" x 38" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	485.55	95.11
			For Sloped Roofs Up To 1 In 12 Pitch, Add	39.05	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	87.60	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	46.83	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	95.39	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	112.73	
07 72 13 00-0080	EA		26" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	560.97	106.99
			For Sloped Roofs Up To 1 In 12 Pitch, Add	45.40	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	101.50	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	57.23	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	117.93	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	130.07	
07 72 13 00-0081	EA		26" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	622.93	106.99
			For Sloped Roofs Up To 1 In 12 Pitch, Add	51.59	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	113.89	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	76.31	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	154.35	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	166.49	
07 72 13 00-0082	EA		26" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	668.37	106.99
			For Sloped Roofs Up To 1 In 12 Pitch, Add	56.14	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	122.98	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	15.87	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	100.85	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	111.26	
07 72 13 00-0083	EA		26" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	857.38	118.88
			For Sloped Roofs Up To 1 In 12 Pitch, Add	73.85	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	159.59	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	126.60	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	204.65	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	237.60	
07 72 13 00-0084	EA		38" x 38" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	535.12	95.11
			For Sloped Roofs Up To 1 In 12 Pitch, Add	44.00	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	97.51	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	9.11	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	78.48	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	109.69	
07 72 13 00-0085	EA		38" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	577.49	106.99
			For Sloped Roofs Up To 1 In 12 Pitch, Add	47.05	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	104.80	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	72.84	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	145.68	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	175.16	
07 72 13 00-0086	EA		38" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	598.14	106.99
			For Sloped Roofs Up To 1 In 12 Pitch, Add	49.12	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	108.93	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	90.18	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	166.49	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	190.77	
07 72 13 00-0087	EA		38" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	616.73	106.99
			For Sloped Roofs Up To 1 In 12 Pitch, Add	50.97	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	112.65	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	16.13	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	99.38	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	121.92	

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 72 Roof Accessories**

MINOR TOTAL DIRECT DEMOLITION  
 CSI UOM DESCRIPTION UNIT COST UNIT COST

07 72 13 00-0088	EA	38" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	807.81	118.88
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	68.89	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	149.67	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	20.81	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	112.73	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	147.42	
07 72 13 00-0089	EA	38" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	887.36	130.77
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	75.66	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	164.40	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	25.49	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	131.29	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	172.91	
07 72 13 00-0090	EA	50" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	670.43	106.99
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	56.34	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	123.39	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	93.65	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	169.96	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	189.04	
07 72 13 00-0091	EA	50" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	723.13	118.88
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	60.43	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	132.74	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	112.73	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	183.84	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	218.52	
07 72 13 00-0092	EA	50" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	756.18	118.88
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	63.73	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	139.35	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	133.54	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	194.24	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	253.21	
07 72 13 00-0093	EA	50" x 86" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	831.59	130.77
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	70.08	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	153.24	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	156.09	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	234.13	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	289.63	
07 72 13 00-0094	EA	51" x 99" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	886.34	142.66
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	74.37	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	163.00	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	26.79	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	123.92	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	167.27	
07 72 13 00-0095	EA	51" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	963.82	154.54
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	80.93	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	177.31	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	215.05	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	324.31	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	383.28	
07 72 13 00-0096	EA	62" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	756.18	118.88
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	63.73	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	139.35	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	21.33	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	78.56	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	144.47	
07 72 13 00-0097	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	804.74	130.77
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	67.40	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	147.87	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	163.02	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	248.00	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	301.77	
07 72 13 00-0098	EA	62" x 86" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	882.21	142.66
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	73.96	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	162.18	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	211.58	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	296.57	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	346.86	
07 72 13 00-0099	EA	62" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	911.13	142.66
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	76.85	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	167.96	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	31.74	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	116.72	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	203.43	
07 72 13 00-0100	EA	62" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	990.67	154.54
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	83.61	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	182.68	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	267.08	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	353.80	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	464.79	

**07 72 13 00-0101 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs** (07 72 13 00-0076)

07 72 13 00-0102	EA	26" x 26" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	477.29	95.11
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	38.22	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	85.95	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	38.15	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	74.57	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	93.65	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0103 EA 26" x 38" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	508.27	95.11
For Sloped Roofs Up To 1 In 12 Pitch, Add	41.32	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	92.14	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	46.83	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	95.39	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	112.73	
07 72 13 00-0104 EA 26" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	591.95	106.99
For Sloped Roofs Up To 1 In 12 Pitch, Add	48.50	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	107.69	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	57.23	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	117.93	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	130.07	
07 72 13 00-0105 EA 26" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	660.11	106.99
For Sloped Roofs Up To 1 In 12 Pitch, Add	55.31	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	121.32	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	76.31	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	154.35	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	166.49	
07 72 13 00-0106 EA 26" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	715.87	106.99
For Sloped Roofs Up To 1 In 12 Pitch, Add	60.89	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	132.48	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	15.87	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	100.85	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	111.26	
07 72 13 00-0107 EA 26" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	865.64	118.88
For Sloped Roofs Up To 1 In 12 Pitch, Add	74.68	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	161.24	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	126.60	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	204.65	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	237.60	
07 72 13 00-0108 EA 38" x 38" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	561.97	95.11
For Sloped Roofs Up To 1 In 12 Pitch, Add	46.69	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	102.88	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	9.11	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	78.48	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	109.69	
07 72 13 00-0109 EA 38" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	610.54	106.99
For Sloped Roofs Up To 1 In 12 Pitch, Add	50.36	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	111.41	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	72.84	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	145.68	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	175.16	
07 72 13 00-0110 EA 38" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	637.39	106.99
For Sloped Roofs Up To 1 In 12 Pitch, Add	53.04	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	116.78	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	90.18	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	166.49	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	190.77	
07 72 13 00-0111 EA 38" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	662.17	106.99
For Sloped Roofs Up To 1 In 12 Pitch, Add	55.52	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	121.74	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	16.13	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	99.38	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	121.92	
07 72 13 00-0112 EA 38" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	857.38	118.88
For Sloped Roofs Up To 1 In 12 Pitch, Add	73.85	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	159.59	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	20.81	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	112.73	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	147.42	
07 72 13 00-0113 EA 38" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	947.25	130.77
For Sloped Roofs Up To 1 In 12 Pitch, Add	81.65	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	176.37	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	25.49	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	131.29	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	172.91	
07 72 13 00-0114 EA 50" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	707.61	106.99
For Sloped Roofs Up To 1 In 12 Pitch, Add	60.06	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	130.82	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	93.65	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	169.96	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	189.04	
07 72 13 00-0115 EA 50" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	764.44	118.88
For Sloped Roofs Up To 1 In 12 Pitch, Add	64.56	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	141.00	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	112.73	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	183.84	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	218.52	
07 72 13 00-0116 EA 50" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	803.68	118.88
For Sloped Roofs Up To 1 In 12 Pitch, Add	68.48	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	148.85	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	133.54	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	194.24	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	253.21	

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 72 Roof Accessories**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 72 13 00-0117	EA	50" x 86" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	881.16	130.77
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	75.04	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	163.16	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	156.09	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	234.13	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	289.63	
07 72 13 00-0118	EA	51" x 99" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	944.17	142.66
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	80.15	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	174.57	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	26.79	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	123.92	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	167.27	
07 72 13 00-0119	EA	51" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,029.91	154.54
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	87.54	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	190.53	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	215.05	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	324.31	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	383.28	
07 72 13 00-0120	EA	62" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	803.68	118.88
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	68.48	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	148.85	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	21.33	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	78.56	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	144.47	
07 72 13 00-0121	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	858.44	130.77
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	72.77	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	158.61	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	163.02	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	248.00	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	301.77	
07 72 13 00-0122	EA	62" x 86" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	940.04	142.66
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	79.74	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	173.74	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	211.58	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	296.57	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	346.86	
07 72 13 00-0123	EA	62" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	971.02	142.66
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	82.84	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	179.94	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	31.74	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	116.72	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	203.43	
07 72 13 00-0124	EA	62" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,060.90	154.54
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	90.64	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	196.73	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	267.08	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	353.80	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	464.79	

**07 72 13 00-0125 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs** (07 72 13 00-0076)

07 72 13 00-0126	EA	26" x 26" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	491.75	95.11
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	39.67	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	88.84	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	38.15	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	74.57	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	93.65	
07 72 13 00-0127	EA	26" x 38" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	524.79	95.11
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	42.97	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	95.45	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	46.83	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	95.39	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	112.73	
07 72 13 00-0128	EA	26" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	610.54	106.99
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	50.36	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	111.41	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	57.23	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	117.93	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	130.07	
07 72 13 00-0129	EA	26" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	684.89	106.99
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	57.79	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	126.28	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	76.31	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	154.35	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	166.49	
07 72 13 00-0130	EA	26" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	746.85	106.99
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	63.99	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	138.67	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	15.87	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	100.85	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	111.26	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0131 EA 26" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	931.73	118.88
For Sloped Roofs Up To 1 In 12 Pitch, Add	81.29	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	174.46	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	126.60	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	204.65	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	237.60	
07 72 13 00-0132 EA 38" x 38" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	582.63	95.11
For Sloped Roofs Up To 1 In 12 Pitch, Add	48.75	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	107.02	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	9.11	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	78.48	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	109.69	
07 72 13 00-0133 EA 38" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	645.65	106.99
For Sloped Roofs Up To 1 In 12 Pitch, Add	53.87	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	118.43	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	72.84	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	145.68	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	175.16	
07 72 13 00-0134 EA 38" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	682.83	106.99
For Sloped Roofs Up To 1 In 12 Pitch, Add	57.58	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	125.87	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	90.18	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	166.49	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	190.77	
07 72 13 00-0135 EA 38" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	691.09	106.99
For Sloped Roofs Up To 1 In 12 Pitch, Add	58.41	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	127.52	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	16.13	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	99.38	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	121.92	
07 72 13 00-0136 EA 38" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	894.56	118.88
For Sloped Roofs Up To 1 In 12 Pitch, Add	77.57	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	167.02	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	20.81	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	112.73	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	147.42	
07 72 13 00-0137 EA 38" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	988.56	130.77
For Sloped Roofs Up To 1 In 12 Pitch, Add	85.78	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	184.64	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	25.49	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	131.29	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	172.91	
07 72 13 00-0138 EA 50" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	732.40	106.99
For Sloped Roofs Up To 1 In 12 Pitch, Add	62.54	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	135.78	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	93.65	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	169.96	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	189.04	
07 72 13 00-0139 EA 50" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	702.55	118.88
For Sloped Roofs Up To 1 In 12 Pitch, Add	58.37	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	128.62	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	112.73	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	183.84	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	218.52	
07 72 13 00-0140 EA 50" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	834.66	118.88
For Sloped Roofs Up To 1 In 12 Pitch, Add	71.58	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	155.04	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	133.54	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	194.24	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	253.21	
07 72 13 00-0141 EA 50" x 86" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	918.34	130.77
For Sloped Roofs Up To 1 In 12 Pitch, Add	78.76	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	170.59	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	156.09	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	234.13	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	289.63	
07 72 13 00-0142 EA 51" x 99" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	981.35	142.66
For Sloped Roofs Up To 1 In 12 Pitch, Add	83.87	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	182.00	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	26.79	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	123.92	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	167.27	
07 72 13 00-0143 EA 51" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,075.35	154.54
For Sloped Roofs Up To 1 In 12 Pitch, Add	92.08	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	199.62	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	215.05	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	324.31	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	383.28	
07 72 13 00-0144 EA 62" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	834.66	118.88
For Sloped Roofs Up To 1 In 12 Pitch, Add	71.58	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	155.04	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	21.33	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	78.56	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	144.47	

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 72 Roof Accessories**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 72 13 00-0145	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	895.62	130.77
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	76.49	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	166.05	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	163.02	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	248.00	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	301.77	
07 72 13 00-0146	EA	62" x 86" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	975.15	142.66
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	83.25	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	180.76	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	211.58	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	296.57	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	346.86	
07 72 13 00-0147	EA	62" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,012.33	142.66
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	86.97	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	188.20	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	31.74	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	116.72	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	203.43	
07 72 13 00-0148	EA	62" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,106.33	154.54
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	95.18	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	205.81	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	267.08	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	353.80	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	464.79	
07 72 13 00-0149		<b>Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs</b> <small>(07 72 13 00-0001)</small>		
		Note: Includes 1" rigid foam insulation, mill finish galvanized steel exterior wall construction, painted galvanized steel interior wall construction and installation clips.		
07 72 13 00-0150		<b>6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs</b> <small>(07 72 13 00-0149)</small>		
07 72 13 00-0151	EA	14-1/2" To 23" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	441.67	95.11
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	34.66	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	78.82	
07 72 13 00-0152	EA	23-1/2" To 32" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	553.31	95.11
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	45.82	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	101.15	
07 72 13 00-0153	EA	32-1/2" To 41" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	639.18	106.99
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	53.22	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	117.14	
07 72 13 00-0154	EA	41" To 49-1/2" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	728.32	106.99
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	62.13	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	134.97	
07 72 13 00-0155	EA	50" To 58-1/2" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	803.93	118.88
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	68.51	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	148.90	
07 72 13 00-0156		<b>12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs</b> <small>(07 72 13 00-0149)</small>		
07 72 13 00-0157	EA	14-1/2" To 23" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	605.14	95.11
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	51.00	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	111.52	
07 72 13 00-0158	EA	23-1/2" To 32" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	756.65	95.11
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	66.16	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	141.82	
07 72 13 00-0159	EA	32-1/2" To 41" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	784.70	106.99
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	67.77	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	146.24	
07 72 13 00-0160	EA	41" To 49-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	841.66	106.99
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	73.47	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	157.63	
07 72 13 00-0161	EA	50" To 58-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	945.18	118.88
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	82.63	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	177.15	
07 72 13 00-0162	EA	64" To 72-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,689.71	130.77
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	155.89	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	324.87	
07 72 13 00-0163		<b>18" To 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs</b> <small>(07 72 13 00-0149)</small>		



MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 72 13 00-0164	EA	17-1/2" To 22" Square Outside Dimensions, 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	873.70	95.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	77.86	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	165.23	
07 72 13 00-0165	EA	24" To 29" Square Outside Dimensions, 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	1,028.63	95.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	93.35	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	196.22	
07 72 13 00-0166	EA	31" To 46" Square Outside Dimensions, 18" Height, 16 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	1,236.39	106.99
		For Sloped Roofs Up To 1 In 12 Pitch, Add	112.94	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	236.58	

**07 72 13 00-0167 Wood, Prefabricated Roof Curbs** (07 72 13)  
 Note: Includes Douglas fir construction, galvanized steel corner straps, fasteners, sealants, and installation clips. Includes 3/16" wire mesh, 6" x 6" grids, safety security guard with installation clips. Excludes flashing. See CSI section 07 62 13 00-0000 for flashing and trim.

**07 72 13 00-0168 Wood Framed, Prefabricated Roof Curbs** (07 72 13 00-0167)

**07 72 13 00-0169 2 x 6 Wood Framed, Prefabricated Roof Curbs** (07 72 13 00-0168)

07 72 13 00-0170	EA	26" x 26" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	330.68	95.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	23.56	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	56.63	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	38.15	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	74.57	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	93.65	
07 72 13 00-0171	EA	26" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	364.86	106.99
		For Sloped Roofs Up To 1 In 12 Pitch, Add	25.79	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	62.27	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	57.23	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	117.93	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	130.07	
07 72 13 00-0172	EA	26" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	409.96	106.99
		For Sloped Roofs Up To 1 In 12 Pitch, Add	30.30	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	71.29	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	15.87	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	100.85	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	111.26	
07 72 13 00-0173	EA	38" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	404.75	106.99
		For Sloped Roofs Up To 1 In 12 Pitch, Add	29.78	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	70.25	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	90.18	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	166.49	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	190.77	
07 72 13 00-0174	EA	38" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	416.89	106.99
		For Sloped Roofs Up To 1 In 12 Pitch, Add	30.99	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	72.68	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	16.13	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	99.38	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	121.92	
07 72 13 00-0175	EA	38" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	470.16	118.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	35.13	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	82.14	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	20.81	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	112.73	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	147.42	
07 72 13 00-0176	EA	50" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	413.42	106.99
		For Sloped Roofs Up To 1 In 12 Pitch, Add	30.64	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	71.99	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	93.65	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	169.96	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	189.04	
07 72 13 00-0177	EA	50" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	485.76	118.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	36.69	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	85.26	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	133.54	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	194.24	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	253.21	
07 72 13 00-0178	EA	51" x 99" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	533.31	142.66
		For Sloped Roofs Up To 1 In 12 Pitch, Add	39.07	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	92.40	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	26.79	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	123.92	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	167.27	
07 72 13 00-0179	EA	62" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	454.55	118.88
		For Sloped Roofs Up To 1 In 12 Pitch, Add	33.57	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	79.02	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	21.33	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	78.56	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	144.47	
07 72 13 00-0180	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	499.14	130.77
		For Sloped Roofs Up To 1 In 12 Pitch, Add	36.84	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	86.75	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	163.02	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	248.00	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	301.77	

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 72 Roof Accessories**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
07 72 13 00-0181	EA 62" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	568.00 42.53 99.33 31.74 116.72 203.43	142.66
<b>07 72 13 00-0182</b>	<b>2 x 8 Wood Framed, Prefabricated Roof Curbs (07 72 13 00-0168)</b>		
07 72 13 00-0183	EA 26" x 26" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	341.08 24.60 58.71 38.15 74.57 93.65	95.11
07 72 13 00-0184	EA 26" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	377.00 27.00 64.70 57.23 117.93 130.07	106.99
07 72 13 00-0185	EA 26" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	442.91 33.59 77.88 15.87 100.85 111.26	106.99
07 72 13 00-0186	EA 38" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	425.56 31.86 74.41 90.18 166.49 190.77	106.99
07 72 13 00-0187	EA 38" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	442.91 33.59 77.88 16.13 99.38 121.92	106.99
07 72 13 00-0188	EA 38" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	496.17 37.73 87.35 20.81 112.73 147.42	118.88
07 72 13 00-0189	EA 50" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	432.50 32.55 75.80 93.65 169.96 189.04	106.99
07 72 13 00-0190	EA 50" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	510.05 39.12 90.12 133.54 194.24 253.21	118.88
07 72 13 00-0191	EA 51" x 99" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	557.60 41.49 97.25 26.79 123.92 167.27	142.66
07 72 13 00-0192	EA 62" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	473.62 35.47 82.84 21.33 78.56 144.47	118.88
07 72 13 00-0193	EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	521.68 39.09 91.26 163.02 248.00 301.77	130.77
07 72 13 00-0194	EA 62" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	592.28 44.96 104.19 31.74 116.72 203.43	142.66
<b>07 72 13 00-0195</b>	<b>2 x 10 Wood Framed, Prefabricated Roof Curbs (07 72 13 00-0168)</b>		
07 72 13 00-0196	EA 26" x 26" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	348.02 25.29 60.09 38.15 74.57 93.65	95.11

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0197	EA	26" x 50"	Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	389.14 28.22 67.13 57.23 117.93 130.07	106.99
07 72 13 00-0198	EA	26" x 98"	Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	446.38 33.94 78.58 15.87 100.85 111.26	106.99
07 72 13 00-0199	EA	38" x 62"	Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	437.70 33.07 76.84 90.18 166.49 190.77	106.99
07 72 13 00-0200	EA	38" x 74"	Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	458.52 35.15 81.01 16.13 99.38 121.92	106.99
07 72 13 00-0201	EA	38" x 98"	Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	513.51 39.46 90.81 20.81 112.73 147.42	118.88
07 72 13 00-0202	EA	50" x 50"	Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	444.64 33.77 78.23 93.65 169.96 189.04	106.99
07 72 13 00-0203	EA	50" x 74"	Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	525.65 40.68 93.24 133.54 194.24 253.21	118.88
07 72 13 00-0204	EA	51" x 99"	Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	573.20 43.05 100.37 26.79 123.92 167.27	142.66
07 72 13 00-0205	EA	62" x 62"	Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	485.76 36.69 85.26 21.33 78.56 144.47	118.88
07 72 13 00-0206	EA	62-3/8" x 74-3/8"	Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	535.56 40.48 94.04 163.02 248.00 301.77	130.77
07 72 13 00-0207	EA	62" x 98"	Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	609.62 46.70 107.66 31.74 116.72 203.43	142.66
<b>07 72 13 00-0208</b>			<b>2 x 12 Wood Framed, Prefabricated Roof Curbs</b> <small>(07 72 13 00-0168)</small>		
07 72 13 00-0209	EA	26" x 26"	Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	356.69 26.16 61.83 38.15 74.57 93.65	95.11
07 72 13 00-0210	EA	26" x 50"	Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	396.08 28.91 68.52 57.23 117.93 130.07	106.99
07 72 13 00-0211	EA	26" x 98"	Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	461.98 35.50 81.70 15.87 100.85 111.26	106.99

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 72 Roof Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0212	EA		38" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	475.86 36.89 84.47 16.13 99.38 121.92	106.99
07 72 13 00-0213	EA		38" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	532.59 41.37 94.63 20.81 112.73 147.42	118.88
07 72 13 00-0214	EA		50" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	460.25 35.33 81.35 93.65 169.96 189.04	106.99
07 72 13 00-0215	EA		50" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	543.00 42.41 96.71 133.54 194.24 253.21	118.88
07 72 13 00-0216	EA		51" x 99" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	594.02 45.14 104.54 26.79 123.92 167.27	142.66
07 72 13 00-0217	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	549.43 41.87 96.81 163.02 248.00 301.77	130.77
07 72 13 00-0218			Wood Framed With Liner, Prefabricated Roof Curbs (07 72 13 00-0167)		
07 72 13 00-0219			2 x 6 Wood Framed With Liner, Prefabricated Roof Curbs (07 72 13 00-0218)		
07 72 13 00-0220	EA		26" x 26" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	344.55 24.95 59.40 38.15 74.57 93.65	95.11
07 72 13 00-0221	EA		26" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	377.00 27.00 64.70 57.23 117.93 130.07	106.99
07 72 13 00-0222	EA		26" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	432.50 32.55 75.80 15.87 100.85 111.26	106.99
07 72 13 00-0223	EA		38" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	420.36 31.34 73.37 90.18 166.49 190.77	106.99
07 72 13 00-0224	EA		38" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	435.97 32.90 76.50 16.13 99.38 121.92	106.99
07 72 13 00-0225	EA		38" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	490.97 37.21 86.31 20.81 112.73 147.42	118.88
07 72 13 00-0226	EA		50" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	429.03 32.20 75.11 93.65 169.96 189.04	106.99
07 72 13 00-0227	EA		50" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	504.84 38.60 89.08 133.54 194.24 253.21	118.88

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0228 EA 51" x 99" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb .....	552.39	142.66
For Sloped Roofs Up To 1 In 12 Pitch, Add	40.97	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	96.21	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	26.79	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	123.92	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	167.27	
07 72 13 00-0229 EA 62" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb .....	475.36	118.88
For Sloped Roofs Up To 1 In 12 Pitch, Add	35.65	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	83.18	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	21.33	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	78.56	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	144.47	
07 72 13 00-0230 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb .....	518.22	130.77
For Sloped Roofs Up To 1 In 12 Pitch, Add	38.75	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	90.57	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	163.02	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	248.00	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	301.77	
07 72 13 00-0231 EA 62" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb .....	592.28	142.66
For Sloped Roofs Up To 1 In 12 Pitch, Add	44.96	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	104.19	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	31.74	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	116.72	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	203.43	
<b>07 72 13 00-0232 2 x 8 Wood Framed With Liner, Prefabricated Roof Curbs (07 72 13 00-0218)</b>		
07 72 13 00-0233 EA 26" x 26" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb .....	356.69	95.11
For Sloped Roofs Up To 1 In 12 Pitch, Add	26.16	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	61.83	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	38.15	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	74.57	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	93.65	
07 72 13 00-0234 EA 26" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb .....	390.88	106.99
For Sloped Roofs Up To 1 In 12 Pitch, Add	28.39	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	67.48	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	57.23	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	117.93	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	130.07	
07 72 13 00-0235 EA 26" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb .....	463.31	106.99
For Sloped Roofs Up To 1 In 12 Pitch, Add	34.63	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	79.96	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	15.87	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	100.85	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	111.26	
07 72 13 00-0236 EA 38" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb .....	441.17	106.99
For Sloped Roofs Up To 1 In 12 Pitch, Add	33.42	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	77.54	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	90.18	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	166.49	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	190.77	
07 72 13 00-0237 EA 38" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb .....	463.72	106.99
For Sloped Roofs Up To 1 In 12 Pitch, Add	35.67	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	82.05	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	16.13	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	99.38	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	121.92	
07 72 13 00-0238 EA 38" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb .....	522.19	118.88
For Sloped Roofs Up To 1 In 12 Pitch, Add	40.33	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	92.55	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	20.81	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	112.73	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	147.42	
07 72 13 00-0239 EA 50" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb .....	453.31	106.99
For Sloped Roofs Up To 1 In 12 Pitch, Add	34.63	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	79.96	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	93.65	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	169.96	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	189.04	
07 72 13 00-0240 EA 50" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb .....	534.33	118.88
For Sloped Roofs Up To 1 In 12 Pitch, Add	41.55	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	94.98	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	133.54	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	194.24	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	253.21	
07 72 13 00-0241 EA 51" x 99" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb .....	585.34	142.66
For Sloped Roofs Up To 1 In 12 Pitch, Add	44.27	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	102.80	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	26.79	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	123.92	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	167.27	
07 72 13 00-0242 EA 62" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb .....	497.90	118.88
For Sloped Roofs Up To 1 In 12 Pitch, Add	37.90	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	87.69	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	21.33	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	78.56	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	144.47	

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 72 Roof Accessories**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
07 72 13 00-0243	EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb .....	544.23	130.77
	For Sloped Roofs Up To 1 In 12 Pitch, Add	41.35	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	95.77	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	163.02	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	248.00	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	301.77	
07 72 13 00-0244	EA 62" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb .....	621.76	142.66
	For Sloped Roofs Up To 1 In 12 Pitch, Add	47.91	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	110.09	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	31.74	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	116.72	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	203.43	
07 72 13 00-0245	2 x 10 Wood Framed With Liner, Prefabricated Roof Curbs <small>(07 72 13 00-0218)</small> .....		
07 72 13 00-0246	EA 26" x 26" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb .....	367.10	95.11
	For Sloped Roofs Up To 1 In 12 Pitch, Add	27.20	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	63.91	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	38.15	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	74.57	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	93.65	
07 72 13 00-0247	EA 26" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb .....	404.75	106.99
	For Sloped Roofs Up To 1 In 12 Pitch, Add	29.78	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	70.25	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	57.23	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	117.93	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	130.07	
07 72 13 00-0248	EA 26" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb .....	474.12	106.99
	For Sloped Roofs Up To 1 In 12 Pitch, Add	36.71	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	84.13	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	15.87	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	100.85	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	111.26	
07 72 13 00-0249	EA 38" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb .....	456.78	106.99
	For Sloped Roofs Up To 1 In 12 Pitch, Add	34.98	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	80.66	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	90.18	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	166.49	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	190.77	
07 72 13 00-0250	EA 38" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb .....	484.53	106.99
	For Sloped Roofs Up To 1 In 12 Pitch, Add	37.75	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	86.21	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	16.13	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	99.38	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	121.92	
07 72 13 00-0251	EA 38" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb .....	544.73	118.88
	For Sloped Roofs Up To 1 In 12 Pitch, Add	42.59	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	97.06	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	20.81	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	112.73	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	147.42	
07 72 13 00-0252	EA 50" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb .....	468.92	106.99
	For Sloped Roofs Up To 1 In 12 Pitch, Add	36.19	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	83.09	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	93.65	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	169.96	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	189.04	
07 72 13 00-0253	EA 50" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb .....	553.40	118.88
	For Sloped Roofs Up To 1 In 12 Pitch, Add	43.45	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	98.79	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	133.54	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	194.24	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	253.21	
07 72 13 00-0254	EA 51" x 99" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb .....	606.16	142.66
	For Sloped Roofs Up To 1 In 12 Pitch, Add	46.35	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	106.97	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	26.79	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	123.92	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	167.27	
07 72 13 00-0255	EA 62" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb .....	515.25	118.88
	For Sloped Roofs Up To 1 In 12 Pitch, Add	39.64	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	91.16	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	21.33	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	78.56	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	144.47	
07 72 13 00-0256	EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb .....	563.31	130.77
	For Sloped Roofs Up To 1 In 12 Pitch, Add	43.25	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	99.59	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	163.02	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	248.00	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	301.77	
07 72 13 00-0257	EA 62" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb .....	644.31	142.66
	For Sloped Roofs Up To 1 In 12 Pitch, Add	50.17	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	114.60	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	31.74	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	116.72	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	203.43	

07 72 13 00-0258 2 x 12 Wood Framed With Liner, Prefabricated Roof Curbs (07 72 13 00-0218)

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 72 13 00-0259	EA			26" x 26" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	387.91 29.28 68.07 38.15 74.57 93.65	95.11
07 72 13 00-0260	EA			26" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	415.16 30.82 72.33 57.23 117.93 130.07	106.99
07 72 13 00-0261	EA			26" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	489.73 38.27 87.25 15.87 100.85 111.26	106.99
07 72 13 00-0262	EA			38" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	501.87 39.49 89.68 16.13 99.38 121.92	106.99
07 72 13 00-0263	EA			38" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	610.63 49.18 110.24 20.81 112.73 147.42	118.88
07 72 13 00-0264	EA			50" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	519.22 41.22 93.15 93.65 169.96 189.04	106.99
07 72 13 00-0265	EA			50" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	614.10 49.52 110.93 133.54 194.24 253.21	118.88
07 72 13 00-0266	EA			51" x 99" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	675.53 53.29 120.84 26.79 123.92 167.27	142.66
07 72 13 00-0267	EA			62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	627.48 49.67 112.42 163.02 248.00 301.77	130.77

**07 72 23 Relief Vents (07 72)**

07 72 23 00-0001				Wind Driven Turbine Ventilators (07 72 23) Note: Excludes curb or flange base.		
07 72 23 00-0002				Galvanized Steel, Wind Driven Turbine Ventilators (07 72 23 00-0001)		
07 72 23 00-0003	EA			6" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator ..... For Curb Or Flange Base, Add	185.02 199.32	31.90
07 72 23 00-0004	EA			9" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator ..... For Curb Or Flange Base, Add	222.96 218.58	35.33
07 72 23 00-0005	EA			12" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator ..... For Curb Or Flange Base, Add	239.11 241.42	42.16
07 72 23 00-0006	EA			15" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator ..... For Curb Or Flange Base, Add	472.25 401.23	46.72
07 72 23 00-0007	EA			18" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator ..... For Curb Or Flange Base, Add	654.93 433.66	52.41
07 72 23 00-0008	EA			21" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator ..... For Curb Or Flange Base, Add	792.70 471.02	56.97
07 72 23 00-0009	EA			24" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator ..... For Curb Or Flange Base, Add	1,015.74 580.02	63.80
07 72 23 00-0010	EA			36" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator ..... For Curb Or Flange Base, Add	1,685.43 962.38	85.46
07 72 23 00-0011				Mill Finish Aluminum, Wind Driven Turbine Ventilators (07 72 23 00-0001)		
07 72 23 00-0012	EA			6" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator ..... For Curb Or Flange Base, Add	142.45 172.93	31.90
07 72 23 00-0013	EA			9" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator ..... For Curb Or Flange Base, Add	177.18 190.61	35.33
07 72 23 00-0014	EA			12" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator ..... For Curb Or Flange Base, Add	198.75 212.16	42.16
07 72 23 00-0015	EA			15" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator ..... For Curb Or Flange Base, Add	350.84 356.87	46.72

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 72 Roof Accessories**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
07 72 23 00-0016	EA 18" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator..... <i>For Curb Or Flange Base, Add</i>	451.88 381.92	52.41
07 72 23 00-0017	EA 21" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator..... <i>For Curb Or Flange Base, Add</i>	570.58 429.73	56.97
07 72 23 00-0018	EA 24" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator..... <i>For Curb Or Flange Base, Add</i>	769.13 518.03	63.80
07 72 23 00-0019	EA 36" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator..... <i>For Curb Or Flange Base, Add</i>	1,144.64 776.48	85.46
<b>07 72 23 00-0020</b>	<b>Stationary Siphon Ventilators (07 72 23)</b> Note: Excludes curb or flange base.		
<b>07 72 23 00-0021</b>	<b>Galvanized Steel, Stationary Siphon Ventilators (07 72 23 00-0020)</b>		
07 72 23 00-0022	EA 6" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	154.40 199.32	31.90
07 72 23 00-0023	EA 9" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	205.45 218.58	35.33
07 72 23 00-0024	EA 12" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	224.76 241.42	42.16
07 72 23 00-0025	EA 15" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	393.69 401.23	46.72
07 72 23 00-0026	EA 18" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	456.11 433.66	52.41
07 72 23 00-0027	EA 21" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	652.19 471.02	56.97
07 72 23 00-0028	EA 24" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	852.89 580.02	63.80
07 72 23 00-0029	EA 36" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	1,238.71 962.38	85.46
<b>07 72 23 00-0030</b>	<b>Mill Finish Aluminum, Stationary Siphon Ventilators (07 72 23 00-0020)</b>		
07 72 23 00-0031	EA 6" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	137.07 172.93	31.90
07 72 23 00-0032	EA 9" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	180.39 190.61	35.33
07 72 23 00-0033	EA 12" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	201.44 212.16	42.16
07 72 23 00-0034	EA 15" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	325.50 356.87	46.72
07 72 23 00-0035	EA 18" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	408.84 381.92	52.41
07 72 23 00-0036	EA 21" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	500.63 429.73	56.97
07 72 23 00-0037	EA 24" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	715.35 518.03	63.80
07 72 23 00-0038	EA 36" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	1,075.88 776.48	85.46
<b>07 72 23 00-0039</b>	<b>Spun Aluminum, Stationary Mushroom Gravity Ventilators (07 72 23)</b> Note: Includes flange base and bird screen. Excludes curb.		
07 72 23 00-0040	EA 8" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator..... <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	281.74 146.10 218.61	51.27
07 72 23 00-0041	EA 10" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator..... <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	346.97 159.85 239.15	56.97
07 72 23 00-0042	EA 12" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator..... <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	392.64 218.29 303.13	68.37
07 72 23 00-0043	EA 16" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator..... <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	478.50 249.23 351.15	75.21
07 72 23 00-0044	EA 24" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator..... <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	1,268.77 312.83 462.44	102.55
07 72 23 00-0045	EA 30" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator..... <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	1,549.29 369.55 552.70	118.50
07 72 23 00-0046	EA 36" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator..... <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	2,110.53 369.55 575.32	136.73
07 72 23 00-0047	EA 42" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator..... <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	2,965.77 386.74 596.33	148.13
07 72 23 00-0048	EA 48" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator..... <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	4,266.21 429.71 670.63	159.52
<b>07 72 23 00-0049</b>	<b>Galvanized Steel, Stationary Gooseneck Ventilators (07 72 23)</b> Note: Includes flange base and bird screen. Excludes curb.		
07 72 23 00-0050	EA 8" x 8", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator.....	654.87	56.97
07 72 23 00-0051	EA 12" x 12", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator.....	760.85	75.21
07 72 23 00-0052	EA 16" x 16", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator.....	1,100.49	102.55
07 72 23 00-0053	EA 24" x 24", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator.....	1,743.35	118.50



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**07 72 26 Ridge Vents (07 72)**

<b>07 72 26 00-0001 Aluminum Ridge Vents (07 72 26)</b>			
07 72 26 00-0002	LF	Aluminum Ridge Vent Strips.....	11.79
07 72 26 00-0003	EA	Aluminum Ridge Univent Connectors.....	50.49
07 72 26 00-0004	EA	Aluminum Ridge Univent End Cap.....	47.80

<b>07 72 26 00-0005 Galvanized Ridge Vents (07 72 26)</b>			
07 72 26 00-0006	LF	Galvanized Sheet Metal Ridge Vent Strips.....	13.42

**07 72 29 Rafter Vent (07 72)**

<b>07 72 29 00-0001 Rafter Vent (07 72 29)</b>			
Note: Built-in baffle is designed to help keep air flowing freely from soffits to ridge vents.			
07 72 29 00-0002	EA	22" x 4' Rafter Vent.....	9.50
07 72 29 00-0003	EA	14" x 4' Rafter Vent.....	8.63

**07 72 33 Roof Hatches (07 72)**

Note: Includes curb with integral insulation, lockable hatch and gaskets.

<b>07 72 33 00-0001 Galvanized Steel Cover And Curb (07 72 33)</b>			
07 72 33 00-0002	EA	2'-6" x 3'-0" Galvanized Steel Roof Hatch (Bilco S-20).....	1,267.05
07 72 33 00-0003	EA	2'-6" x 4'-6" Galvanized Steel Roof Hatch (Bilco NB-20).....	1,866.28
07 72 33 00-0004	EA	2'-6" x 8'-0" Galvanized Steel Roof Hatch (Bilco L-20).....	3,304.30
07 72 33 00-0005	EA	3'-0" x 3'-0" Galvanized Steel Roof Hatch (Bilco E-20).....	1,840.68
07 72 33 00-0006	EA	4'-0" x 4'-0" Galvanized Steel Roof Hatch.....	2,077.67
07 72 33 00-0007	EA	3'-0" x 8'-0" Galvanized Steel Roof Hatch.....	3,415.18

<b>07 72 33 00-0008 Aluminum Cover And Curb (07 72 33)</b>			
07 72 33 00-0009	EA	2'-6" x 3'-0" Aluminum Roof Hatch (Bilco S-50).....	1,159.18
07 72 33 00-0010	EA	2'-6" x 4'-6" Aluminum Roof Hatch (Bilco NB-50).....	1,505.53
07 72 33 00-0011	EA	2'-6" x 8'-0" Aluminum Roof Hatch (Bilco L-50).....	2,733.49
07 72 33 00-0012	EA	3'-0" x 3'-0" Aluminum Roof Hatch (Bilco E-50).....	1,472.71
07 72 33 00-0013	EA	4'-0" x 4'-0" Aluminum Roof Hatch (Bilco F-50).....	2,621.12
07 72 33 00-0014	EA	3'-0" x 8'-0" Aluminum Roof Hatch.....	2,881.02
07 72 33 00-0015	EA	3'-0" x 2'-6" Aluminum Roof Scuttle With Skylight (Bilco GS-50).....	1,650.50

<b>07 72 33 00-0016 Steel, Plain, Primed (07 72 33)</b>			
07 72 33 00-0017	EA	2'-6" x 3'-0" Plain Steel Roof Hatch Primed (Bilco S-20).....	1,214.21
07 72 33 00-0018	EA	2'-6" x 4'-6" Plain Steel Roof Hatch Primed (Bilco NB-20).....	1,646.83
07 72 33 00-0019	EA	2'-6" x 8'-0" Plain Steel Roof Hatch Primed (Bilco L-20).....	2,256.21
07 72 33 00-0020	EA	3'-0" x 3'-0" Plain Steel Roof Hatch Primed (Bilco E-20).....	1,528.70
07 72 33 00-0021	EA	4'-0" x 4'-0" Plain Steel Roof Hatch Primed.....	1,876.39
07 72 33 00-0022	EA	3'-0" x 8'-0" Plain Steel Roof Hatch Primed.....	2,549.69

<b>07 72 33 00-0023 Stainless Steel (07 72 33)</b>			
07 72 33 00-0024	EA	2'-6" x 3'-0" Stainless Steel Roof Hatch (Bilco S-90).....	2,538.19
07 72 33 00-0025	EA	2'-6" x 4'-6" Stainless Steel Roof Hatch (Bilco NB-90).....	4,849.16
07 72 33 00-0026	EA	2'-6" x 8'-0" Stainless Steel Roof Hatch (Bilco L-90).....	7,290.52
07 72 33 00-0027	EA	3'-0" x 3'-0" Stainless Steel Roof Hatch (Bilco E-90).....	3,893.08
07 72 33 00-0028	EA	4'-0" x 4'-0" Stainless Steel Roof Hatch.....	8,217.71
07 72 33 00-0029	EA	3'-0" x 8'-0" Stainless Steel Roof Hatch.....	9,206.79

<b>07 72 33 00-0030 Removal And Reinstallation Of Roof Hatch (07 72 33)</b>			
Note: Includes storage, cleaning and supply materials.			
07 72 33 00-0031	EA	Removal And Reinstallation Of Roof Hatch (All Types).....	444.35

<b>07 72 33 00-0032 Aluminum Cover And Galvanized Steel Curb (07 72 33)</b>			
07 72 33 00-0033	EA	Aluminum Cover, Galvanized Steel Curb 3'-0" x 2'-6" Roof (Bilco S-40).....	1,123.05
07 72 33 00-0034	EA	Aluminum Cover, Galvanized Steel Curb 2'-6" x 4'-6" Roof (Bilco NB-40).....	1,469.40
07 72 33 00-0035	EA	Aluminum Cover, Galvanized Steel Curb 2'-6" x 8'-0" Roof (Bilco L-40).....	2,639.56
07 72 33 00-0036	EA	Aluminum Cover, Galvanized Steel Curb 3'-0" x 3'-0" Roof (Bilco E-40).....	1,443.80
07 72 33 00-0037	EA	Aluminum Cover, Galvanized Steel Curb 4'-0" x 4'-0" Roof (Bilco F-40).....	2,541.64

<b>07 72 33 00-0038 Roof Hatch Accessories (07 72 33)</b>			
07 72 33 00-0039	EA	Roof Hatch Ladderup Safety Post (Bilco LU-1).....	792.65

<b>07 72 33 00-0040 Roof Hatch Safety Railing (07 72 33)</b>			
Note: Included mounting bracket to attach to roof hatch			
07 72 33 00-0041	EA	24" x 24" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate (Acudor RHSR-24x24).....	1,687.59
07 72 33 00-0042	EA	24" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate (Acudor RHSR-24x36).....	1,752.33
07 72 33 00-0043	EA	30" x 30" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate (Acudor RHSR-30x30).....	1,795.50
07 72 33 00-0044	EA	30" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate (Acudor RHSR-30x36).....	1,952.53

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 72 Roof Accessories**

MINOR  
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TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 72 33 00-0045	EA	36" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate (Acudor RHSR-36x36).....	2,133.94	
07 72 33 00-0046	EA	48" x 48" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate (Acudor RHSR-48x48).....	2,721.39	

**07 72 36 Smoke Vents (07 72)**

**07 72 36 00-0001 Fire Vent (07 72 36)**

**07 72 36 00-0002 Galvanized Steel Covers And Curb (07 72 36 00-0001)**

07 72 36 00-0003	EA	4'-0" x 4'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-4848).....	3,340.59	133.83
07 72 36 00-0004	EA	4'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-4872).....	3,838.51	183.99
07 72 36 00-0005	EA	4'-0" x 7'-6" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-4890).....	4,376.86	200.75
07 72 36 00-0006	EA	4'-0" x 8'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-4896).....	4,462.36	210.78
07 72 36 00-0007	EA	5'-0" x 5'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6060).....	5,187.07	183.99
07 72 36 00-0008	EA	5'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6072).....	5,514.08	200.75
07 72 36 00-0009	EA	5'-0" x 7'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6084).....	5,820.93	217.50
07 72 36 00-0010	EA	5'-0" x 8'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6096).....	6,630.99	234.25
07 72 36 00-0011	EA	5'-0" x 10'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-60120).....	8,236.11	250.91
07 72 36 00-0012	EA	5'-6" x 5'-6" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6666).....	5,508.95	217.50
07 72 36 00-0013	EA	5'-6" x 12'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-66114).....	11,622.54	267.67
07 72 36 00-0014	EA	6'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-7272).....	6,343.93	284.41

**07 72 36 00-0015 Aluminum Covers And Galvanized Steel Curb (07 72 36 00-0001)**

07 72 36 00-0016	EA	4'-0" x 4'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-4848A).....	2,541.66	133.83
07 72 36 00-0017	EA	4'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-4872A).....	2,913.14	183.99
07 72 36 00-0018	EA	4'-0" x 7'-6" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-4890A).....	3,277.82	200.75
07 72 36 00-0019	EA	4'-0" x 8'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-4896A).....	3,394.03	210.78
07 72 36 00-0020	EA	5'-0" x 5'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6060A).....	3,296.09	183.99
07 72 36 00-0021	EA	5'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6072A).....	4,209.89	200.75
07 72 36 00-0022	EA	5'-0" x 7'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6084A).....	4,502.29	217.50
07 72 36 00-0023	EA	5'-0" x 8'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6096A).....	4,382.87	234.25
07 72 36 00-0024	EA	5'-0" x 10'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-60120A).....	6,156.48	250.91
07 72 36 00-0025	EA	5'-6" x 5'-6" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6666A).....	4,249.41	217.50
07 72 36 00-0026	EA	5'-6" x 12'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-66144A).....	8,074.61	267.67
07 72 36 00-0027	EA	6'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-7272A).....	4,169.09	284.41

**07 72 36 00-0028 Aluminum Covers And Curb (07 72 36 00-0001)**

07 72 36 00-0029	EA	4'-0" x 4'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-4848B).....	2,772.87	133.83
07 72 36 00-0030	EA	4'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-4872B).....	3,296.09	183.99
07 72 36 00-0031	EA	4'-0" x 7'-6" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-4890B).....	3,617.42	200.75
07 72 36 00-0032	EA	4'-0" x 8'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-4896B).....	3,827.55	210.78
07 72 36 00-0033	EA	5'-0" x 5'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6060B).....	3,469.49	183.99
07 72 36 00-0034	EA	5'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6072B).....	4,390.53	200.75
07 72 36 00-0035	EA	5'-0" x 7'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6084B).....	4,661.25	217.50
07 72 36 00-0036	EA	5'-0" x 8'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6096B).....	4,816.39	234.25
07 72 36 00-0037	EA	5'-0" x 10'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-60120B).....	5,845.79	250.91
07 72 36 00-0038	EA	5'-6" x 5'-6" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6666B).....	4,451.71	217.50
07 72 36 00-0039	EA	5'-6" x 12'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-66114B).....	8,818.82	267.67
07 72 36 00-0040	EA	6'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-7272B).....	4,602.61	284.41

**07 72 36 00-0041 Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb (07 72 36)**

07 72 36 00-0042	EA	4'-0" x 4'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent (Bilco LV4848B).....	2,743.97	133.43
07 72 36 00-0043	EA	4'-0" x 6'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent (Bilco LV4872B).....	3,476.71	183.99
07 72 36 00-0044	EA	4'-0" x 8'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent (Bilco LV4896B).....	3,675.81	210.78
07 72 36 00-0045	EA	5'-0" x 5'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent (Bilco LV6060B).....	3,946.37	183.99
07 72 36 00-0046	EA	5'-0" x 8'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent (Bilco LV6096B).....	4,166.11	234.25

**07 72 46 Roof Walkways (07 72)**

**07 72 46 00-0001 Recycled Rubber Walkway Pads (07 72 46)**

07 72 46 00-0002	SF	3/8" Thick, Button Surface, Recycled Rubber Walkway Pad.....	10.56	2.64
		<i>For Diamond Surface, Add</i>	0.89	
07 72 46 00-0003	SF	1/2" Thick, Button Surface, Recycled Rubber Walkway Pad.....	11.76	3.17
		<i>For Diamond Surface, Add</i>	1.04	
07 72 46 00-0004	SF	3/4" Thick, Button Surface, Recycled Rubber Walkway Pad.....	12.99	3.17
		<i>For Diamond Surface, Add</i>	1.16	

**07 72 53 Snow Guards (07 72)**

**07 72 53 00-0001 Snow Guards For Shingle And Tile Roofs (07 72 53)**

07 72 53 00-0002	EA	6-5/8" Length, 1-1/2" Width, Copper Snow Guards For Shingle And Tile Roofs.....	20.48	2.69
07 72 53 00-0003	EA	6-5/8" Length, 1-1/2" Width, Lead Coated Copper Snow Guards For Shingle And Tile Roofs.....	22.38	2.69
07 72 53 00-0004	EA	6-5/8" Length, 1-1/2" Width, Stainless Steel Snow Guards For Shingle And Tile Roofs.....	21.12	2.69
07 72 53 00-0005	EA	6-5/8" Length, 1-1/2" Width, Aluminum Snow Guards For Shingle And Tile Roofs.....	12.36	2.69

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**07 72 53 00-0006 Snow Guards For Metal Roofs (07 72 53)**

Note: Aluminum construction.

07 72 53 00-0007	EA		Mill Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300) .....	23.75	4.08
07 72 53 00-0008	EA		Black Primer Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300) .....	26.50	4.08
07 72 53 00-0009	EA		Bronze Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300) .....	39.49	4.08
07 72 53 00-0010	EA		Painted Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300) .....	38.91	4.08
07 72 53 00-0011	EA		Mill Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516) .....	36.37	4.76
07 72 53 00-0012	EA		Black Primer Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516) .....	39.82	4.76
07 72 53 00-0013	EA		Painted Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516) .....	49.98	4.76
07 72 53 00-0014	EA		Mill Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM) .....	20.75	3.57
			<i>For Mechanically Fastened, Add</i>	7.14	
07 72 53 00-0015	EA		Black Primer Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM) .....	23.61	3.57
			<i>For Mechanically Fastened, Add</i>	7.14	
07 72 53 00-0016	EA		Painted Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM) .....	33.30	3.57
			<i>For Mechanically Fastened, Add</i>	7.14	
07 72 53 00-0017	EA		Polycarbonate, Adhesive Surface Mount, Metal Roof Snow Guard (Zaleski #15) .....	11.82	3.57
			Note: Can be used for metal, rubber, PVC, TPO or glass roofing.		
			<i>For Mechanically Fastened, Add</i>	9.51	

**07 72 53 00-0018 Snow Breaker For Roofs (07 72 53)**

07 72 53 00-0019	EA		Up To 50 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount .....	15.12	4.76
07 72 53 00-0020	EA		>50 To 150 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount .....	14.21	4.76
07 72 53 00-0021	EA		>150 To 500 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount .....	13.75	4.76
07 72 53 00-0022	EA		>500 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount .....	13.21	4.76

**07 72 53 00-0023 Ice Breaker For Vents (07 72 53)**

07 72 53 00-0024	EA		Ice Breaker For Vents Up to 4", Mechanically Fastened .....	121.26	
07 72 53 00-0025	EA		Ice Breaker For Vents And Stacks >4" To 14" Diameter, Mechanically Fastened .....	139.23	

**07 72 53 00-0026 Pipe Style, Snow Guards For Metal Roofs (07 72 53)**

**07 72 53 00-0027 Pipe Style, Standing Seam Metal Roof Snow Guard Clamps (07 72 53 00-0026)**

Note: Aluminum construction. Includes clamp for attaching to standing seam. Excludes tubing.

07 72 53 00-0028	EA		Single Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 2000) .....	57.48	14.27
07 72 53 00-0029	EA		Single Tube, "T2 or Z2K" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 2000) .....	68.63	14.27
07 72 53 00-0030	EA		Double Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 4000) .....	77.53	14.27
07 72 53 00-0031	EA		Double Tube, "T2K or Z2K" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 4000) .....	96.68	14.27
07 72 53 00-0032	EA		Triple Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 6000) .....	99.50	17.13

**07 72 53 00-0033 Tubing For Snow Guard Clamps (07 72 53 00-0026)**

07 72 53 00-0034	LF		1" Outside Diameter Aluminum Tubing For Snow Guard Clamps (Alpine SnowGuards®) .....	11.89	3.42
			Note: Includes end caps, collars and couplings.		
07 72 53 00-0035	LF		1" Outside Diameter Brass Or Stainless Steel Tubing For Snow Guard Clamps (Alpine SnowGuards®) .....	23.72	3.42
			Note: Includes end caps, collars and couplings.		

**07 72 56 Snow/Ice Melt Cable (07 72)**

**07 72 56 00-0001 Self Regulating Heating Cable For Roofs And Gutters (07 72 56)**

07 72 56 00-0002	LF		12 Watt, 120 Volt, Self Regulating Low Temperature Cable For Roofs And Gutters .....	13.92	1.08
			Note: Nickel-coated copper braided cable with weatherproof jacket.		
07 72 56 00-0003	LF		12 Watt, 208/277 Volt Self Regulating Low Temperature Cable For Roofs And Gutters .....	14.96	1.08
			Note: Nickel-coated copper braided cable with weatherproof jacket.		
07 72 56 00-0004	EA		Power Connection, End Seal And Warning Labels Kit For Self Regulating Heating Cable For Roofs And Gutters .....	222.54	81.43
07 72 56 00-0005	EA		Splice Kit For Self Regulating Heating Cable For Roofs And Gutters .....	169.64	59.72
07 72 56 00-0006	EA		Edge Of Roof Cable Clips For Self Regulating Heating Cable For Roofs And Gutters .....	8.32	3.25
			<i>For &gt;5, Deduct</i>	-0.65	
07 72 56 00-0007	EA		Roof Cable Clips For Self Regulating Heating Cable For Roofs And Gutters .....	7.80	3.25
			<i>For &gt;5, Deduct</i>	-0.60	
07 72 56 00-0008	EA		Downspout Hanger Kit For Self Regulating Heating Cable For Roofs And Gutters .....	54.47	8.15
07 72 56 00-0009	EA		120 Volt AC, Snow Switch, Automatic Control For Melting Snow .....	878.70	65.14
07 72 56 00-0010	EA		Automatic Gutter Ice Melting Control .....	1,204.94	81.43

**07 72 63 Waste Containment Assemblies (07 72)**

**07 72 63 00-0001 Rooftop Oil And Grease Containment System (07 72 63)**

**07 72 63 00-0002 Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD-E) (07 72 63 00-0001)**

07 72 63 00-0003	EA		48" Length, 48" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD100-E) .....	2,584.53	215.32
07 72 63 00-0004	EA		60" Length, 60" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD101-E) .....	2,881.37	215.32
07 72 63 00-0005	EA		60" Length, 90" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD106-E) .....	3,523.33	223.93
07 72 63 00-0006	EA		72" Length, 72" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD102-E) .....	3,506.36	223.93

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 72 Roof Accessories**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 72 63 00-0007	EA	72" Length, 108" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD103-E).....	4,565.51	242.24
07 72 63 00-0008	EA	72" Length, 144" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD111-E).....	3,577.17	242.24
07 72 63 00-0009	EA	90" Length, 90" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD105-E).....	3,991.70	287.02
07 72 63 00-0010	EA	108" Length, 108" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD112-E).....	5,861.32	358.83
07 72 63 00-0011	EA	120" Length, 120" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD107-E).....	7,252.62	358.83
07 72 63 00-0012	EA	144" Length, 144" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD113-E).....	9,161.42	358.83
<b>07 72 63 00-0013 Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD) (07 72 63 00-0001)</b>				
07 72 63 00-0014	EA	48" Length, 48" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD100).....	3,165.57	215.32
07 72 63 00-0015	EA	60" Length, 60" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD101).....	3,551.58	215.32
07 72 63 00-0016	EA	60" Length, 90" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD106).....	4,375.93	223.93
07 72 63 00-0017	EA	72" Length, 72" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD102).....	4,452.30	223.93
07 72 63 00-0018	EA	72" Length, 108" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD103).....	6,334.33	242.24
07 72 63 00-0019	EA	72" Length, 144" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD111).....	6,940.91	242.24
07 72 63 00-0020	EA	90" Length, 90" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD105).....	6,468.90	287.02
07 72 63 00-0021	EA	108" Length, 108" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD112).....	7,295.03	358.83
07 72 63 00-0022	EA	120" Length, 120" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD107).....	9,106.27	358.83
07 72 63 00-0023	EA	144" Length, 144" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD113).....	11,587.70	358.83
<b>07 72 63 00-0024 Replacement Filter Sets For Rooftop Oil And Grease Containment System (07 72 63)</b>				
Note: Includes removing old filters and installing new filters.				
<b>07 72 63 00-0025 Top And Center Replacement Filter Sets For Rooftop Oil And Grease Containment System (07 72 63 00-0024)</b>				
<b>07 72 63 00-0026 Light Duty, Top And Center Replacement Filter Sets For Rooftop Oil And Grease Containment System (07 72 63 00-0025)</b>				
07 72 63 00-0027	SET	48" Length, 48" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-E).....	211.59	
07 72 63 00-0028	SET	60" Length, 60" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-E).....	296.44	
07 72 63 00-0029	SET	60" Length, 90" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-E).....	423.68	
07 72 63 00-0030	SET	72" Length, 72" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-E).....	392.03	
07 72 63 00-0031	SET	72" Length, 108" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-E).....	731.38	
07 72 63 00-0032	SET	72" Length, 144" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-E).....	739.85	
07 72 63 00-0033	SET	90" Length, 90" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-E).....	572.48	
07 72 63 00-0034	SET	108" Length, 108" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-E).....	742.15	
07 72 63 00-0035	SET	120" Length, 120" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-E).....	1,085.73	
07 72 63 00-0036	SET	144" Length, 144" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-E).....	1,429.31	
<b>07 72 63 00-0037 Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System (07 72 63 00-0024)</b>				
<b>07 72 63 00-0038 Light Duty, Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System (07 72 63 00-0037)</b>				
07 72 63 00-0039	SET	48" Length, 48" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-EC).....	439.83	
07 72 63 00-0040	SET	60" Length, 60" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-EC).....	584.06	
07 72 63 00-0041	SET	60" Length, 90" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-EC).....	847.05	
07 72 63 00-0042	SET	72" Length, 72" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-EC).....	789.94	
07 72 63 00-0043	SET	72" Length, 108" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-EC).....	1,515.28	
07 72 63 00-0044	SET	72" Length, 144" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-EC).....	1,523.76	
07 72 63 00-0045	SET	90" Length, 90" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-EC).....	1,131.56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 72 63 00-0046	SET		108" Length, 108" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-EC) .....	1,526.05	
07 72 63 00-0047	SET		120" Length, 120" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-EC) .....	2,234.43	
07 72 63 00-0048	SET		144" Length, 144" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-EC) .....	2,972.50	

**07 72 63 00-0049 Heavy Duty, Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System (07 72 63 00-0037)**

07 72 63 00-0050	SET		48" Length, 48" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-C) .....	545.88	
07 72 63 00-0051	SET		60" Length, 60" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-C) .....	677.38	
07 72 63 00-0052	SET		60" Length, 90" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-C) .....	991.26	
07 72 63 00-0053	SET		72" Length, 72" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-C) .....	938.41	
07 72 63 00-0054	SET		72" Length, 108" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-C) .....	1,824.93	
07 72 63 00-0055	SET		72" Length, 144" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-C) .....	1,816.45	
07 72 63 00-0056	SET		90" Length, 90" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-C) .....	1,326.70	
07 72 63 00-0057	SET		108" Length, 108" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-C) .....	1,835.70	
07 72 63 00-0058	SET		120" Length, 120" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-C) .....	2,573.77	
07 72 63 00-0059	SET		144" Length, 144" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-C) .....	3,579.08	

**07 72 73 Vegetated Roof Systems (07 72)**

**07 72 73 00-0001 Garden Roof System (07 72 73)**

Note: Excludes walkway pavers, shrubs and plants. See CSI section 32 92 00 00-0000 for turf and grasses, 32 93 00 00-0000 for plants.

**07 72 73 00-0002 Fluid Applied Polyurethane (WhiteKnight) Waterproofing (07 72 73 00-0001)**

Note: Includes pressure wash, primer, base coat, polyester reinforcement, top coat and finish coat.

07 72 73 00-0003	SF		Up To 250 SF Fluid Applied Polyurethane Waterproofing .....	8.50	
07 72 73 00-0004	SF		>250 To 500 SF Fluid Applied Polyurethane Waterproofing .....	8.30	
07 72 73 00-0005	SF		>500 To 2,500 SF Fluid Applied Polyurethane Waterproofing .....	8.00	
07 72 73 00-0006	SF		>2,500 To 5,000 SF Fluid Applied Polyurethane Waterproofing .....	7.70	
07 72 73 00-0007	SF		>5,000 To 10,000 SF Fluid Applied Polyurethane Waterproofing .....	7.40	
07 72 73 00-0008	SF		>10,000 To 25,000 SF Fluid Applied Polyurethane Waterproofing .....	7.10	
07 72 73 00-0009	SF		>25,000 To 50,000 SF Fluid Applied Polyurethane Waterproofing .....	6.80	
07 72 73 00-0010	SF		>50,000 SF Fluid Applied Polyurethane Waterproofing .....	6.50	

**07 72 73 00-0011 Filterdrain (Greenshield Filterdrain) (07 72 73 00-0001)**

07 72 73 00-0012	SF		Up To 250 SF Filterdrain .....	3.00	
07 72 73 00-0013	SF		>250 To 500 SF Filterdrain .....	2.80	
07 72 73 00-0014	SF		>500 To 2,500 SF Filterdrain .....	2.60	
07 72 73 00-0015	SF		>2,500 To 5,000 SF Filterdrain .....	2.40	
07 72 73 00-0016	SF		>5,000 To 10,000 SF Filterdrain .....	2.20	
07 72 73 00-0017	SF		>10,000 To 25,000 SF Filterdrain .....	2.10	
07 72 73 00-0018	SF		>25,000 To 50,000 SF Filterdrain .....	2.05	
07 72 73 00-0019	SF		>50,000 SF Filterdrain .....	2.00	

**07 72 73 00-0020 Soil (Greenshield Oasis) (07 72 73 00-0001)**

07 72 73 00-0021	SF		Up To 250 SF Growing Media / Engineered Soil, 1" Depth .....	1.00	
07 72 73 00-0022	SF		>250 To 500 SF Growing Media / Engineered Soil, 1" Depth .....	0.85	
07 72 73 00-0023	SF		>500 To 2,500 SF Growing Media / Engineered Soil, 1" Depth .....	0.70	
07 72 73 00-0024	SF		>2,500 To 5,000 SF Growing Media / Engineered Soil, 1" Depth .....	0.70	
07 72 73 00-0025	SF		>5,000 To 10,000 SF Growing Media / Engineered Soil, 1" Depth .....	0.55	
07 72 73 00-0026	SF		>10,000 To 25,000 SF Growing Media / Engineered Soil, 1" Depth .....	0.50	
07 72 73 00-0027	SF		>25,000 To 50,000 SF Growing Media / Engineered Soil, 1" Depth .....	0.45	
07 72 73 00-0028	SF		>50,000 SF Growing Media / Engineered Soil, 1" Depth .....	0.40	

**07 72 73 00-0029 Irrigation Topical And Controls (07 72 73 00-0001)**

07 72 73 00-0030	SF		Up To 250 SF Irrigation Topical .....	15.00	
07 72 73 00-0031	SF		>250 To 500 SF Irrigation Topical .....	14.75	
07 72 73 00-0032	SF		>500 To 2,500 SF Irrigation Topical .....	9.50	
07 72 73 00-0033	SF		>2,500 To 5,000 SF Irrigation Topical .....	7.50	
07 72 73 00-0034	SF		>5,000 To 10,000 SF Irrigation Topical .....	5.50	
07 72 73 00-0035	SF		>10,000 To 25,000 SF Irrigation Topical .....	3.50	
07 72 73 00-0036	SF		>25,000 To 50,000 SF Irrigation Topical .....	2.50	
07 72 73 00-0037	SF		>50,000 SF Irrigation Topical .....	2.00	

**07 73 Roof Protection Board (07 70)**

**07 73 00 00-0001 Roof Protection Board (07 73)**

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 73 Roof Protection Board**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 73 00 00-0002		<b>Cold Adhesive Applied, Roof Protection Board (Georgia-Pacific DensDeck®)</b> (07 73 00 00-0001)		
07 73 00 00-0003	SF	1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck®).....	3.51	0.54
		<i>For No Adhesive, Deduct</i>	-0.78	
07 73 00 00-0004	SF	1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck®).....	3.97	0.59
		<i>For No Adhesive, Deduct</i>	-0.80	
07 73 00 00-0005	SF	5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck®).....	4.18	0.64
		<i>For No Adhesive, Deduct</i>	-0.82	
07 73 00 00-0006	SF	1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck® Prime).....	3.56	0.54
		<i>For No Adhesive, Deduct</i>	-0.78	
07 73 00 00-0007	SF	1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck® Prime).....	4.04	0.59
		<i>For No Adhesive, Deduct</i>	-0.80	
07 73 00 00-0008	SF	5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck® Prime).....	4.25	0.64
		<i>For No Adhesive, Deduct</i>	-0.82	
07 73 00 00-0009		<b>Hot-Mopped, Roof Protection Board (Georgia-Pacific DensDeck®)</b> (07 73 00 00-0001)		
07 73 00 00-0010	SF	1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck®).....	3.43	0.54
07 73 00 00-0011	SF	1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck®).....	3.90	0.59
07 73 00 00-0012	SF	5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck®).....	4.14	0.64
07 73 00 00-0013	SF	1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck® Prime).....	3.47	0.54
07 73 00 00-0014	SF	1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck® Prime).....	3.97	0.59
07 73 00 00-0015	SF	5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck® Prime).....	4.21	0.64
07 73 00 00-0016		<b>Mechanically Fastened, Roof Protection Board (Georgia-Pacific DensDeck®)</b> (07 73 00 00-0001)		
		Note: Mechanically fastened to wood or steel.		
07 73 00 00-0017	SF	1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®).....	3.24	0.54
		<i>For Mechanically Fastened To Concrete, Add</i>	1.44	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.75	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.50	
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.43	
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.04	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.76	
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.30	
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.07	
07 73 00 00-0018	SF	1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®).....	3.70	0.59
		<i>For Mechanically Fastened To Concrete, Add</i>	1.44	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.75	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.50	
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.51	
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.04	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.76	
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.38	
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.07	
07 73 00 00-0019	SF	5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®).....	3.91	0.64
		<i>For Mechanically Fastened To Concrete, Add</i>	1.44	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.75	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.50	
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.56	
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.04	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.76	
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.43	
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.07	
07 73 00 00-0020	SF	1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime).....	3.29	0.54
		<i>For Mechanically Fastened To Concrete, Add</i>	1.44	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.75	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.50	
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.43	
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.04	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.76	
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.30	
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.07	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 73 00 00-0021	SF		1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime).....	3.77	0.59
			<i>For Mechanically Fastened To Concrete, Add</i>	1.44	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.75	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.50	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.51	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.04	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.38	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.07	
07 73 00 00-0022	SF		5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime).....	3.99	0.64
			<i>For Mechanically Fastened To Concrete, Add</i>	1.44	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.75	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.50	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.56	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.04	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.43	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.07	

**07 76 Roof Pavers (07 70)**

**07 76 16 Roof Decking Pavers (07 76)**

**07 76 16 00-0001 Roof Pavers (07 76 16)**

			Note: For walkway application over roofing system.		
07 76 16 00-0002	SF		Up To 100 SF, 2" Concrete Roof Paver.....	13.31	6.86
			<i>For 1-1/2" Thickness, Deduct</i>	-1.33	
			<i>For 2-1/2" Thickness, Add</i>	1.55	
			<i>For 3" Thickness, Add</i>	3.10	
07 76 16 00-0003	SF		>100 To 200 SF, 2" Concrete Roof Paver.....	12.03	5.17
			<i>For 1-1/2" Thickness, Deduct</i>	-1.20	
			<i>For 2-1/2" Thickness, Add</i>	1.41	
			<i>For 3" Thickness, Add</i>	2.82	
07 76 16 00-0004	SF		>200 To 400 SF, 2" Concrete Roof Paver.....	11.27	4.12
			<i>For 1-1/2" Thickness, Deduct</i>	-1.13	
			<i>For 2-1/2" Thickness, Add</i>	1.32	
			<i>For 3" Thickness, Add</i>	2.64	
07 76 16 00-0005	SF		>400 To 1,000 SF, 2" Concrete Roof Paver.....	10.78	3.59
			<i>For 1-1/2" Thickness, Deduct</i>	-1.08	
			<i>For 2-1/2" Thickness, Add</i>	1.26	
			<i>For 3" Thickness, Add</i>	2.52	
07 76 16 00-0006	SF		>1,000 SF, 2" Concrete Roof Paver.....	10.19	3.27
			<i>For 1-1/2" Thickness, Deduct</i>	-1.02	
			<i>For 2-1/2" Thickness, Add</i>	1.19	
			<i>For 3" Thickness, Add</i>	2.38	

**07 76 16 00-0007 Roof Paver Pedestal (07 76 16)**

07 76 16 00-0008	EA		2" To 3" High Adjustable Roof Paver Pedestal, 2" Base, 2" Top (Hanover Elevator).....	21.52	1.07
07 76 16 00-0009	EA		3" To 4-3/4" High Adjustable Roof Paver Pedestal, 3" Base, 3" Top (Hanover Elevator).....	22.59	1.07
07 76 16 00-0010	EA		4-3/4" To 7-3/4" High Adjustable Roof Paver Pedestal, 4" Base, 4" Top (Hanover Elevator).....	23.68	1.07
07 76 16 00-0011	EA		Adjustable Roof Paver Pedestal Coupler, Adds 2-1/2" To 4" (Hanover Elevator).....	11.89	1.07
07 76 16 00-0012	EA		Stay Bar, Used With Roof Paver Pedestals >16" High (Hanover Elevator).....	10.82	1.07
07 76 16 00-0013	EA		5/8" High Tab Roof Paver Pedestal (Hanover High Tab Pedestal).....	11.07	1.07
			Note: Stackable.		
07 76 16 00-0014	EA		1/16" And 1/8" Flexible Leveling Plates For Roof Paver Pedestal.....	6.20	1.07
			Note: Used with High Tab and Elevator pedestals.		
07 76 16 00-0015	EA		Roof Paver Leveling System, Twist To Adjust Pitch (Hanover Compensator).....	8.39	1.07
			Note: Each Compensator levels 1/8" of slope and are stackable. Used with High Tab and Elevator pedestals.		

**07 76 19 Composite Insulation Concrete Protection Board (07 76)**

Note: Manufactured by T. Clear Corp. 25 year warranty.

**07 76 19 00-0001 Composite Insulation Concrete Protection Board (07 76 19)**

Note: Manufactured by T. Clear Corp. 25 year warranty.

07 76 19 00-0002	SF		2" Extruded Polystyrene Insulation Board Lightguard Composite With 3/8" Latex Modified Concrete, 4.5 PSF.....	5.11	
			<i>For 20 Year Warranty, Deduct</i>	-0.29	
			<i>For 15 Year Warranty, Deduct</i>	-0.59	
			<i>For 10 Year Warranty, Deduct</i>	-0.80	
			<i>For Winds &gt;90 MPH To 120 MPH Warranty, Add</i>	0.10	
07 76 19 00-0003	SF		3" Extruded Polystyrene Insulation Board Lightguard Composite With 3/8" Latex Modified Concrete, 4.5 PSF.....	6.63	
			<i>For 20 Year Warranty, Deduct</i>	-0.42	
			<i>For 15 Year Warranty, Deduct</i>	-0.84	
			<i>For 10 Year Warranty, Deduct</i>	-1.13	
			<i>For Winds &gt;90 MPH To 120 MPH Warranty, Add</i>	0.10	
07 76 19 00-0004	SF		2" Extruded Polystyrene Insulation Board Heavyguard Composite With 15/16" Latex Modified Concrete, 11 PSF.....	7.80	
			<i>For 20 Year Warranty, Deduct</i>	-0.48	
			<i>For 15 Year Warranty, Deduct</i>	-0.97	
			<i>For 10 Year Warranty, Deduct</i>	-1.31	
			<i>For Winds &gt;90 MPH To 120 MPH Warranty, Add</i>	0.10	
07 76 19 00-0005	SF		3" Extruded Polystyrene Insulation Board Heavyguard Composite With 15/16" Latex Modified Concrete, 11 PSF.....	9.39	
			<i>For 20 Year Warranty, Deduct</i>	-0.61	
			<i>For 15 Year Warranty, Deduct</i>	-1.22	
			<i>For 10 Year Warranty, Deduct</i>	-1.65	
			<i>For Winds &gt;90 MPH To 120 MPH Warranty, Add</i>	0.10	

**07 Thermal And Moisture Protection****07 80 Fire and Smoke Protection****07 76 Roof Pavers**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST
**07 80 Fire and Smoke Protection** (07)**07 81 Applied Fireproofing** (07 80)

Note: Includes bonding agents as required.

**07 81 16 Cementitious Fireproofing** (07 81)**07 81 16 00-0001 Monokote Fireproofing** (07 81 16)

07 81 16 00-0002	SF	Monokote Fireproofing For Ceiling/Decking, Per Inch Of Thickness.....	1.96	0.70
07 81 16 00-0003	SF	Monokote Fireproofing For Structural Steel, Per Inch Of Thickness.....	2.76	1.04

**07 81 16 00-0004 Gunite Fireproofing** (07 81 16)

07 81 16 00-0005	SF	1" Thick, Non Reinforced, Gunite Fireproofing.....	3.28	0.69
07 81 16 00-0006	SF	1" Thick, Reinforced, Gunite Fireproofing.....	4.69	0.69

**07 81 23 Intumescent Fireproofing** (07 81)**07 81 23 00-0001 Intumescent Thin Film Fireproofing (Albi Clad TF)** (07 81 23)**07 81 23 00-0002 Intumescent Thin Film Fireproofing For Beams (Albi Clad TF)** (07 81 23 00-0001)

Note: Excludes primer.

07 81 23 00-0003	SF	1 Hour, Intumescent Thin Film Fireproofing For Beams (Albi Clad TF).....	14.33	
		For >10,000, Deduct	-1.37	
07 81 23 00-0004	SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Beams (Albi Clad TF).....	22.93	
		For >10,000, Deduct	-2.22	

**07 81 23 00-0005 Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad****TF)** (07 81 23 00-0001)

Note: Excludes primer.

07 81 23 00-0006	SF	1 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF).....	9.37	
		For >10,000, Deduct	-0.87	
07 81 23 00-0007	SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF).....	20.57	
		For >10,000, Deduct	-1.98	
07 81 23 00-0008	SF	2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF).....	46.35	
		For >10,000, Deduct	-4.55	
07 81 23 00-0009	SF	2-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF).....	63.74	
		For >10,000, Deduct	-6.29	
07 81 23 00-0010	SF	3 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF).....	81.15	
		For >10,000, Deduct	-8.02	
07 81 23 00-0011	SF	3-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF).....	98.58	
		For >10,000, Deduct	-9.76	

**07 81 23 00-0012 Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad****TF)** (07 81 23 00-0001)

Note: Excludes primer.

07 81 23 00-0013	SF	1 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF).....	18.75	
		For >10,000, Deduct	-1.80	
07 81 23 00-0014	SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF).....	34.71	
		For >10,000, Deduct	-3.40	
07 81 23 00-0015	SF	2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF).....	55.01	
		For >10,000, Deduct	-5.42	
07 81 23 00-0016	SF	2-1/2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF).....	76.75	
		For >10,000, Deduct	-7.59	
07 81 23 00-0017	SF	3 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF).....	97.05	
		For >10,000, Deduct	-9.61	

**07 81 23 00-0018 Intumescent Thin Film Fireproofing (Albi Clad FP)** (07 81 23)**07 81 23 00-0019 Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)** (07 81 23 00-0018)

Note: Excludes primer.

07 81 23 00-0020	SF	1 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP).....	9.12	
		For >10,000, Deduct	-0.86	
07 81 23 00-0021	SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP).....	20.65	
		For >10,000, Deduct	-2.01	
07 81 23 00-0022	SF	2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP).....	47.20	
		For >10,000, Deduct	-4.66	
07 81 23 00-0023	SF	2-1/2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP).....	65.10	
		For >10,000, Deduct	-6.45	
07 81 23 00-0024	SF	3 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP).....	83.03	
		For >10,000, Deduct	-8.24	

**07 81 33 Mineral-Fiber Fireproofing** (07 81)**07 81 33 00-0001 Cellulose Fireproofing** (07 81 33)



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 81	33 00-0002	SF	Cellulose Fireproofing, Per Inch Of Thickness.....	2.33	0.69
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**07 84 Firestopping (07 80)**

**07 84 13 Penetration Firestopping (07 84)**

**07 84 13 16 Penetration Firestopping Devices (07 84 13)**

**07 84 13 16-0001 Firestopping Systems For Cable Penetrations (07 84 13 16)**

**07 84 13 16-0002 Intumescent Firestop Cable Sleeve For New Installations (07 84 13 16-0001)**

Note: Includes putty, escutcheon plates, gaskets and bushings.

07 84 13 16-0003	EA	1" Diameter Intumescent Firestop Sleeve (STI FS100).....	59.31
07 84 13 16-0004	EA	2" Diameter Intumescent Firestop Sleeve (STI FS201).....	78.92
07 84 13 16-0005	EA	4" Diameter Intumescent Firestop Sleeve (STI FS401).....	126.62

**07 84 13 16-0006 Intumescent Firestop Cable Pathway For New Or Existing Cable Installations (07 84 13 16-0001)**

Note: Includes pathway, putty and wall/floor mounting plates.

07 84 13 16-0007	EA	1-1/64" x 1-1/64" Intumescent Firestop Cable Pathway Through Up To 9" Thick Walls (STI EZD22).....	106.15
07 84 13 16-0008	EA	3" x 3" Intumescent Firestop Cable Pathway Through Up To 9" Thick Walls (STI EZDP33FWS).....	184.77
07 84 13 16-0009	EA	4" x 4-5/8" Intumescent Firestop Cable Pathway Through Up To 10" Thick Walls (STI EZDP44).....	336.54

**07 84 13 16-0010 3M Intumescent Firestopping Multi-Trade Pass Through Device (07 84 13 16)**

07 84 13 16-0011	EA	2-1/2" Square Opening, Intumescent Firestop Multi-Trade Pass Through Device (3M QP2.5SD).....	239.51
07 84 13 16-0012	EA	4" Square Opening, Intumescent Firestop Multi-Trade Pass Through Device (3M QP4SD).....	222.19
07 84 13 16-0013	EA	4" Diameter Intumescent Firestop Multi-Trade Pass Through Device (3M QP2.5SD).....	228.77

**07 84 13 16-0014 Intumescent Firestopping Pipe Collar (07 84 13 16)**

07 84 13 16-0015	EA	1-1/2" Intumescent Firestop Pipe Collar (3M ULTRAPPD1.5).....	37.00	10.96
07 84 13 16-0016	EA	2" Intumescent Firestop Pipe Collar (3M ULTRAPPD2.0).....	44.26	10.96
07 84 13 16-0017	EA	3" Intumescent Firestop Pipe Collar (3M ULTRAPPD3.0).....	51.37	12.06
07 84 13 16-0018	EA	4" Intumescent Firestop Pipe Collar (3M ULTRAPPD4.0).....	79.60	13.70
07 84 13 16-0019	EA	8" Intumescent Firestop Pipe Collar (Hilti CP644 8").....	383.11	16.44
07 84 13 16-0020	EA	10" Intumescent Firestop Pipe Collar (Hilti CP644 10").....	494.46	18.09

**07 84 13 16-0021 Fire Rated Enclosures (Fire Rated Product Specialties Corp.) (07 84 13 16)**

Note: Includes fasteners. Excludes additional perimeter caulk where required. See CSI section 07 84 43 00-0001 for perimeter sealant caulk where required.

07 84 13 16-0022	EA	12.2" Wide x 20.2" Long x 9.5" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-12-20-9).....	150.55
Note: Used for recessed lighting, speakers, controls, valves, plumbing drain terminations, etc.			
07 84 13 16-0023	EA	15.2" Wide x 16.2" Long x 9.5" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-15-16-9).....	159.07
Note: Used for recessed lighting, speakers, controls, valves, plumbing drain terminations, etc.			
07 84 13 16-0024	EA	11.8" Wide x 19.8" Long x 9.12" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-12-20-9-EXH).....	306.53
Note: Includes 4" duct connector. For use with bathroom ventilation and exhaust fans.			
07 84 13 16-0025	EA	14.0" Wide x 14.0" Long x 3.2" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-14-14-3).....	196.56
Note: Used for shut-off valves, shower and tub valves, washer boxes, icemaker water feeds, speakers, controls, junction boxes, etc.			

**07 84 13 16-0026 Intumescent Firestopping Wrap Strips (07 84 13 16)**

07 84 13 16-0027	LF	1/8" Thick, 1-1/2" Wide, Intumescent Firestopping Wrap Strip (STI SpecSeal SSW Series).....	5.69
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**07 84 13 19 Penetration Firestopping Caulk (07 84 13)**

**07 84 13 19-0001 Intumescent Firestopping For Sealing Pipe Penetrations (07 84 13 19)**

Note: Includes firestop caulk and batt for floor or ceiling penetration or one side of a wall penetration. 1/2" thick caulk for annular spaces 1" and less. 1" thick caulk for annular spaces 1-1/4" or more.

07 84 13 19-0002	EA	1" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	22.35
For Intumescent Sealant For Plastic Pipe, Add			0.06
07 84 13 19-0003	EA	1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	27.46
For Intumescent Sealant For Plastic Pipe, Add			0.33
07 84 13 19-0004	EA	1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	27.25
For Intumescent Sealant For Plastic Pipe, Add			0.24
07 84 13 19-0005	EA	1-1/2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	26.91
For Intumescent Sealant For Plastic Pipe, Add			0.11
07 84 13 19-0006	EA	2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	31.73
For Intumescent Sealant For Plastic Pipe, Add			0.70
07 84 13 19-0007	EA	2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	31.52
For Intumescent Sealant For Plastic Pipe, Add			0.62
07 84 13 19-0008	EA	2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	31.17
For Intumescent Sealant For Plastic Pipe, Add			0.48
07 84 13 19-0009	EA	2" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	30.64
For Intumescent Sealant For Plastic Pipe, Add			0.27
07 84 13 19-0010	EA	2" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	30.18
For Intumescent Sealant For Plastic Pipe, Add			0.08
07 84 13 19-0011	EA	2-1/2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	38.48
For Intumescent Sealant For Plastic Pipe, Add			1.18
07 84 13 19-0012	EA	2-1/2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	38.27
For Intumescent Sealant For Plastic Pipe, Add			1.10

**07 Thermal And Moisture Protection****07 80 Fire and Smoke Protection****07 84 Firestopping**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 84 13 19-0013	EA	2-1/2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) ..... <i>For Intumescent Sealant For Plastic Pipe, Add</i>	37.92 0.96
07 84 13 19-0014	EA	2-1/2" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) ..... <i>For Intumescent Sealant For Plastic Pipe, Add</i>	37.38 0.74
07 84 13 19-0015	EA	2-1/2" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) ..... <i>For Intumescent Sealant For Plastic Pipe, Add</i>	36.93 0.56
07 84 13 19-0016	EA	2-1/2" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) ..... <i>For Intumescent Sealant For Plastic Pipe, Add</i>	35.85 0.13
07 84 13 19-0017	EA	3" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) ..... <i>For Intumescent Sealant For Plastic Pipe, Add</i>	52.36 3.18
07 84 13 19-0018	EA	3" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) ..... <i>For Intumescent Sealant For Plastic Pipe, Add</i>	48.62 1.69
07 84 13 19-0019	EA	3" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) ..... <i>For Intumescent Sealant For Plastic Pipe, Add</i>	48.27 1.55
07 84 13 19-0020	EA	3" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) ..... <i>For Intumescent Sealant For Plastic Pipe, Add</i>	47.73 1.33
07 84 13 19-0021	EA	3" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) ..... <i>For Intumescent Sealant For Plastic Pipe, Add</i>	47.28 1.15
07 84 13 19-0022	EA	3" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) ..... <i>For Intumescent Sealant For Plastic Pipe, Add</i>	46.19 0.72
07 84 13 19-0023	EA	3" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) ..... <i>For Intumescent Sealant For Plastic Pipe, Add</i>	44.79 0.16
07 84 13 19-0024	EA	4" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) ..... <i>For Intumescent Sealant For Plastic Pipe, Add</i>	70.20 5.88
07 84 13 19-0025	EA	4" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) ..... <i>For Intumescent Sealant For Plastic Pipe, Add</i>	69.81 5.72
07 84 13 19-0026	EA	4" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) ..... <i>For Intumescent Sealant For Plastic Pipe, Add</i>	69.20 5.48
07 84 13 19-0027	EA	4" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) ..... <i>For Intumescent Sealant For Plastic Pipe, Add</i>	68.23 5.09
07 84 13 19-0028	EA	4" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) ..... <i>For Intumescent Sealant For Plastic Pipe, Add</i>	67.40 4.76
07 84 13 19-0029	EA	4" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) ..... <i>For Intumescent Sealant For Plastic Pipe, Add</i>	61.03 2.21
07 84 13 19-0030	EA	4" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) ..... <i>For Intumescent Sealant For Plastic Pipe, Add</i>	59.63 1.65
07 84 13 19-0031	EA	4" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) ..... <i>For Intumescent Sealant For Plastic Pipe, Add</i>	57.50 0.80
07 84 13 19-0032	EA	6" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) ..... <i>For Intumescent Sealant For Plastic Pipe, Add</i>	111.61 13.56
07 84 13 19-0033	EA	6" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) ..... <i>For Intumescent Sealant For Plastic Pipe, Add</i>	111.23 13.41
07 84 13 19-0034	EA	6" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) ..... <i>For Intumescent Sealant For Plastic Pipe, Add</i>	110.61 13.16
07 84 13 19-0035	EA	6" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) ..... <i>For Intumescent Sealant For Plastic Pipe, Add</i>	109.64 12.78
07 84 13 19-0036	EA	6" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) ..... <i>For Intumescent Sealant For Plastic Pipe, Add</i>	108.82 12.45
07 84 13 19-0037	EA	6" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) ..... <i>For Intumescent Sealant For Plastic Pipe, Add</i>	106.87 11.67
07 84 13 19-0038	EA	6" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) ..... <i>For Intumescent Sealant For Plastic Pipe, Add</i>	104.35 10.66
07 84 13 19-0039	EA	6" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) ..... <i>For Intumescent Sealant For Plastic Pipe, Add</i>	100.52 9.13
07 84 13 19-0040	EA	6" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) ..... <i>For Intumescent Sealant For Plastic Pipe, Add</i>	86.11 3.36
07 84 13 19-0041	EA	8" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) ..... <i>For Intumescent Sealant For Plastic Pipe, Add</i>	147.89 21.42
07 84 13 19-0042	EA	8" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) ..... <i>For Intumescent Sealant For Plastic Pipe, Add</i>	144.06 19.89
07 84 13 19-0043	EA	8" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) ..... <i>For Intumescent Sealant For Plastic Pipe, Add</i>	136.37 16.81
07 84 13 19-0044	EA	8" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) ..... <i>For Intumescent Sealant For Plastic Pipe, Add</i>	105.04 4.28
07 84 13 19-0045	EA	10" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) ..... <i>For Intumescent Sealant For Plastic Pipe, Add</i>	187.62 30.65
07 84 13 19-0046	EA	10" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) ..... <i>For Intumescent Sealant For Plastic Pipe, Add</i>	164.83 21.54
07 84 13 19-0047	EA	10" Diameter Hole With 8" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) ..... <i>For Intumescent Sealant For Plastic Pipe, Add</i>	124.61 5.45

**07 84 13 19-0048 Smoke, Noise And Infectious/Dust Control Sealant For Sealing Pipe Penetrations**

(07 84 13 19)

Note: Includes sealant and fiberglass or mineral wool batt for floor, ceiling or wall penetrations.

07 84 13 19-0049	EA	1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	26.92
07 84 13 19-0050	EA	1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	26.84
07 84 13 19-0051	EA	1-1/2" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	26.73
07 84 13 19-0052	EA	2" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	30.56
07 84 13 19-0053	EA	2" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	30.48
07 84 13 19-0054	EA	2" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	30.37

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 19-0055	EA		2" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	30.20	
07 84 13 19-0056	EA		2" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	30.05	
07 84 13 19-0057	EA		2.5" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	36.54	
07 84 13 19-0058	EA		2.5" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	36.46	
07 84 13 19-0059	EA		2.5" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	36.35	
07 84 13 19-0060	EA		2.5" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	36.18	
07 84 13 19-0061	EA		2.5" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	36.04	
07 84 13 19-0062	EA		2.5" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	35.66	
07 84 13 19-0063	EA		3" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	45.91	
07 84 13 19-0064	EA		3" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	45.83	
07 84 13 19-0065	EA		3" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	45.72	
07 84 13 19-0066	EA		3" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	45.55	
07 84 13 19-0067	EA		3" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	45.41	
07 84 13 19-0068	EA		3" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	45.03	
07 84 13 19-0069	EA		3" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	44.52	
07 84 13 19-0070	EA		4" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	58.31	
07 84 13 19-0071	EA		4" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	58.23	
07 84 13 19-0072	EA		4" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	58.12	
07 84 13 19-0073	EA		4" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	57.93	
07 84 13 19-0074	EA		4" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	57.76	
07 84 13 19-0075	EA		4" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	57.39	
07 84 13 19-0076	EA		4" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	56.91	
07 84 13 19-0077	EA		4" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	56.17	
07 84 13 19-0078	EA		6" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	84.16	
07 84 13 19-0079	EA		6" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	84.08	
07 84 13 19-0080	EA		6" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	83.97	
07 84 13 19-0081	EA		6" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	83.81	
07 84 13 19-0082	EA		6" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	83.66	
07 84 13 19-0083	EA		6" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	83.29	
07 84 13 19-0084	EA		6" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	82.77	
07 84 13 19-0085	EA		6" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	82.08	
07 84 13 19-0086	EA		6" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	80.56	
07 84 13 19-0087	EA		8" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	104.55	
07 84 13 19-0088	EA		8" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	103.85	
07 84 13 19-0089	EA		8" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	102.33	
07 84 13 19-0090	EA		8" Diameter Hole With 6" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	98.04	
07 84 13 19-0091	EA		10" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	125.61	
07 84 13 19-0092	EA		10" Diameter Hole With 6" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	121.31	
07 84 13 19-0093	EA		10" Diameter Hole With 8" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	115.63	

**07 84 16 Annular Space Firestopping Protection (07 84)**

07 84 16 00-0001 Intumescent Firestopping For Electrical Outlet Boxes (07 84 16)

07 84 16 00-0002 Intumescent Putty Pads For Wrapping Outlet Box Exteriors (07 84 16 00-0001)

07 84 16 00-0003	EA		1 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	33.71	
07 84 16 00-0004	EA		2 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	47.47	
07 84 16 00-0005	EA		3 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	49.69	
07 84 16 00-0006	EA		4 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	51.91	

**07 Thermal And Moisture Protection****07 80 Fire and Smoke Protection****07 84 Firestopping**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

07 84 16 00-0007	EA	5 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	54.13	
07 84 16 00-0008	EA	6 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	67.87	
<b>07 84 16 00-0009</b>		<b>Intumescent Firestop Gasket For Wall Plates (07 84 16 00-0001)</b>		
07 84 16 00-0010	EA	Single Switch Wall Plate, Intumescent Firestop Gasket (RectorSeal 66276).....	13.88	
07 84 16 00-0011	EA	Double Switch Wall Plate, Intumescent Firestop Gasket (RectorSeal 66274).....	14.37	
07 84 16 00-0012	EA	Single Receptacle Wall Plate, Intumescent Firestop Gasket (RectorSeal 66272).....	13.47	
07 84 16 00-0013	EA	Double Receptacle Wall Plate, Intumescent Firestop Gasket (RectorSeal 66270).....	14.40	
07 84 16 00-0014	EA	Single Decor Wall Plate, Intumescent Firestop Gasket (RectorSeal 66266).....	14.04	
07 84 16 00-0015	EA	Double Decor Wall Plate, Intumescent Firestop Gasket (RectorSeal 66265).....	13.53	
<b>07 84 16 00-0016</b>		<b>Intumescent Fire Barrier Pillows For Sealing Large Openings (07 84 16)</b>		
07 84 16 00-0017	EA	2" x 4" x 9" Intumescent Fire Barrier Pillow (3M FB249).....	32.97	
07 84 16 00-0018	EA	2" x 6" x 9" Intumescent Fire Barrier Pillow (3M FB269).....	35.34	
07 84 16 00-0019	EA	3" x 6" x 9" Intumescent Fire Barrier Pillow (3M FB369).....	38.26	
<b>07 84 16 00-0020</b>		<b>Intumescent Fire Barrier Sheets For Sealing Large Openings (07 84 16)</b>		
		Note: Price includes intumescent sheet, mounting fasteners and caulk for sealing one side of an opening.		
07 84 16 00-0021	EA	16" x 28" Intumescent Firestop Sheet (3M CS-195+16x28).....	304.73	
07 84 16 00-0022	EA	36" x 24" Intumescent Firestop Sheet (3M CS-195+3x2).....	425.92	
07 84 16 00-0023	EA	36" x 36" Intumescent Firestop Sheet (3M CS-195+3x3).....	573.30	
<b>07 84 16 00-0024</b>		<b>Endothermic Mat Wrap Fire Barrier (07 84 16)</b>		
		Note: Price includes endothermic mat wrap and sealant. Excludes cavity fill material; putty or fireproof caulk/sealant. See CSI section 07 84 16 00-0026 for filling openings.		
07 84 16 00-0025	SF	0.408" Thick Aluminum Foil Faced Endothermic Mat (3M Interam E-5A-4).....	46.83	
<b>07 84 16 00-0026</b>		<b>Firestopping Caulk For Filling Opening (07 84 16)</b>		
07 84 16 00-0027	GAL	Latex Based Intumescent Fire Barrier Sealant (3M CP-25WB+).....	128.46	
<b>07 84 16 00-0028</b>		<b>Firestopping Mortar For Filling Opening (07 84 16)</b>		
07 84 16 00-0029	CF	Light-Weight Portland Cement-Based Firestop Mortar (STI SpecSeal SSM Series).....	152.25	
<b>07 84 23</b>		<b>Silicone Firestopping Foams (07 84)</b>		
<b>07 84 23 00-0001</b>		<b>Silicone RTV Foam Seal For Blank Openings (07 84 23)</b>		
07 84 23 00-0002	EA	2" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	42.50	
07 84 23 00-0003	EA	4" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	101.63	
07 84 23 00-0004	EA	6" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	179.34	
07 84 23 00-0005	EA	8" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	273.22	
07 84 23 00-0006	EA	10" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	388.90	
07 84 23 00-0007	EA	12" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	520.85	
<b>07 84 43</b>		<b>Joint Firestopping (07 84)</b>		
<b>07 84 43 00-0001</b>		<b>Intumescent Firestopping Sealant For Joints (3M CP 25WB+) (07 84 43)</b>		
07 84 43 00-0002	CLF	1/4" x 1/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+).....	381.27	99.90
		For Up To 6 CLF, Add	21.10	
		For >30 CLF, Deduct	-23.14	
07 84 43 00-0003	CLF	1/4" x 3/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+).....	422.09	99.90
		For Up To 4 CLF, Add	24.16	
		For >20 CLF, Deduct	-27.22	
07 84 43 00-0004	CLF	1/4" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+).....	473.97	103.22
		For Up To 3 CLF, Add	27.78	
		For >15 CLF, Deduct	-31.86	
07 84 43 00-0005	CLF	3/8" x 3/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+).....	494.37	103.22
		For Up To 2.5 CLF, Add	29.31	
		For >13 CLF, Deduct	-33.90	
07 84 43 00-0006	CLF	3/8" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+).....	555.56	103.22
		For Up To 2 CLF, Add	33.90	
		For >10 CLF, Deduct	-40.02	
07 84 43 00-0007	CLF	3/8" x 5/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+).....	616.76	103.22
		For Up To 1.5 CLF, Add	38.49	
		For >8 CLF, Deduct	-46.14	
07 84 43 00-0008	CLF	3/8" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+).....	689.05	107.66
		For Up To 1.3 CLF, Add	43.63	
		For >7 CLF, Deduct	-52.81	
07 84 43 00-0009	CLF	1/2" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+).....	648.26	107.66
		For Up To 1.4 CLF, Add	40.57	
		For >7.5 CLF, Deduct	-48.73	
07 84 43 00-0010	CLF	1/2" x 5/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+).....	740.96	110.99
		For Up To 1.15 CLF, Add	47.25	
		For >6 CLF, Deduct	-57.45	
07 84 43 00-0011	CLF	1/2" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+).....	822.56	110.99
		For Up To 1 CLF, Add	53.37	
		For >5 CLF, Deduct	-65.61	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 43 00-0012			CLF 1/2" x 7/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+) ..... <i>For Up To 0.8 CLF, Add</i> <i>For &gt;4.5 CLF, Deduct</i>	915.24 60.04 -74.32	114.32
07 84 43 00-0013			CLF 1/2" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+) ..... <i>For Up To 0.75 CLF, Add</i> <i>For &gt;4 CLF, Deduct</i>	1,007.93 66.72 -83.03	118.76
07 84 43 00-0014			CLF 3/4" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+) ..... <i>For Up To 0.65 CLF, Add</i> <i>For &gt;3.5 CLF, Deduct</i>	1,100.63 73.39 -91.75	122.09
07 84 43 00-0015			CLF 3/4" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+) ..... <i>For Up To 0.5 CLF, Add</i> <i>For &gt;2.5 CLF, Deduct</i> <i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	1,378.71 93.41 -117.89 146.87	133.20
07 84 43 00-0016			CLF 1" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+) ..... <i>For Up To 0.4 CLF, Add</i> <i>For &gt;2 CLF, Deduct</i>	1,749.49 120.11 -152.75	147.62
<b>07 84 43 00-0017</b>			<b>Latex-Based, Intumescent Firestop Sealant For Joints (STI SSS Series) <sup>(07 84 43)</sup></b>		
07 84 43 00-0018			CLF 1/4" x 1/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) ..... <i>For Up To 6 CLF, Add</i> <i>For &gt;30 CLF, Deduct</i>	392.63 21.96 -24.28	99.90
07 84 43 00-0019			CLF 1/4" x 3/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) ..... <i>For Up To 4 CLF, Add</i> <i>For &gt;20 CLF, Deduct</i>	439.10 25.44 -28.93	99.90
07 84 43 00-0020			CLF 1/4" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) ..... <i>For Up To 3 CLF, Add</i> <i>For &gt;15 CLF, Deduct</i>	496.66 29.48 -34.13	103.22
07 84 43 00-0021			CLF 3/8" x 3/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) ..... <i>For Up To 2.5 CLF, Add</i> <i>For &gt;13 CLF, Deduct</i>	519.89 31.22 -36.45	103.22
07 84 43 00-0022			CLF 3/8" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) ..... <i>For Up To 2 CLF, Add</i> <i>For &gt;10 CLF, Deduct</i>	589.60 36.45 -43.42	103.22
07 84 43 00-0023			CLF 3/8" x 5/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) ..... <i>For Up To 1.5 CLF, Add</i> <i>For &gt;8 CLF, Deduct</i>	659.30 41.68 -50.39	103.22
07 84 43 00-0024			CLF 3/8" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) ..... <i>For Up To 1.3 CLF, Add</i> <i>For &gt;7 CLF, Deduct</i>	740.10 47.46 -57.92	107.66
07 84 43 00-0025			CLF 1/2" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) ..... <i>For Up To 1.4 CLF, Add</i> <i>For &gt;7.5 CLF, Deduct</i>	693.64 43.98 -53.27	107.66
07 84 43 00-0026			CLF 1/2" x 5/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) ..... <i>For Up To 1.15 CLF, Add</i> <i>For &gt;6 CLF, Deduct</i>	797.68 51.50 -63.12	110.99
07 84 43 00-0027			CLF 1/2" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) ..... <i>For Up To 1 CLF, Add</i> <i>For &gt;5 CLF, Deduct</i>	890.62 58.47 -72.41	110.99
07 84 43 00-0028			CLF 1/2" x 7/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) ..... <i>For Up To 0.8 CLF, Add</i> <i>For &gt;4.5 CLF, Deduct</i>	994.65 66.00 -82.26	114.32
07 84 43 00-0029			CLF 1/2" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) ..... <i>For Up To 0.75 CLF, Add</i> <i>For &gt;4 CLF, Deduct</i>	1,098.69 73.52 -92.11	118.76
07 84 43 00-0030			CLF 3/4" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) ..... <i>For Up To 0.65 CLF, Add</i> <i>For &gt;3.5 CLF, Deduct</i>	1,202.73 81.05 -101.96	122.09
07 84 43 00-0031			CLF 3/4" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) ..... <i>For Up To 0.5 CLF, Add</i> <i>For &gt;2.5 CLF, Deduct</i>	1,514.85 103.62 -131.51	133.20
07 84 43 00-0032			CLF 1" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) ..... <i>For Up To 0.4 CLF, Add</i> <i>For &gt;2 CLF, Deduct</i>	1,931.00 133.73 -170.90	147.62
<b>07 84 43 00-0033</b>			<b>Passive Smoke And Fire Protection Sealant For Joints (STI ES Series) <sup>(07 84 43)</sup></b>		
07 84 43 00-0034			CLF 1/4" x 1/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) ..... <i>For Up To 6 CLF, Add</i> <i>For &gt;30 CLF, Deduct</i>	347.76 18.59 -19.79	99.90
07 84 43 00-0035			CLF 1/4" x 3/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) ..... <i>For Up To 4 CLF, Add</i> <i>For &gt;20 CLF, Deduct</i>	371.80 20.39 -22.20	99.90
07 84 43 00-0036			CLF 1/4" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) ..... <i>For Up To 3 CLF, Add</i> <i>For &gt;15 CLF, Deduct</i>	406.92 22.75 -25.15	103.22
07 84 43 00-0037			CLF 3/8" x 3/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) ..... <i>For Up To 2.5 CLF, Add</i> <i>For &gt;13 CLF, Deduct</i>	418.94 23.65 -26.36	103.22
07 84 43 00-0038			CLF 3/8" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) ..... <i>For Up To 2 CLF, Add</i> <i>For &gt;10 CLF, Deduct</i>	455.00 26.36 -29.96	103.22

**07 Thermal And Moisture Protection****07 80 Fire and Smoke Protection****07 84 Firestopping**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

07 84 43 00-0039	CLF	3/8" x 5/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	491.05	103.22
		For Up To 1.5 CLF, Add	29.06	
		For >8 CLF, Deduct	-33.57	
07 84 43 00-0040	CLF	3/8" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	538.20	107.66
		For Up To 1.3 CLF, Add	32.32	
		For >7 CLF, Deduct	-37.73	
07 84 43 00-0041	CLF	1/2" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	514.17	107.66
		For Up To 1.4 CLF, Add	30.52	
		For >7.5 CLF, Deduct	-35.32	
07 84 43 00-0042	CLF	1/2" x 5/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	573.35	110.99
		For Up To 1.15 CLF, Add	34.68	
		For >6 CLF, Deduct	-40.69	
07 84 43 00-0043	CLF	1/2" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	621.42	110.99
		For Up To 1 CLF, Add	38.28	
		For >5 CLF, Deduct	-45.49	
07 84 43 00-0044	CLF	1/2" x 7/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	680.58	114.32
		For Up To 0.8 CLF, Add	42.44	
		For >4.5 CLF, Deduct	-50.85	
07 84 43 00-0045	CLF	1/2" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	739.75	118.76
		For Up To 0.75 CLF, Add	46.60	
		For >4 CLF, Deduct	-56.22	
07 84 43 00-0046	CLF	3/4" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	798.93	122.09
		For Up To 0.65 CLF, Add	50.76	
		For >3.5 CLF, Deduct	-61.58	
07 84 43 00-0047	CLF	3/4" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	976.44	133.20
		For Up To 0.5 CLF, Add	63.24	
		For >2.5 CLF, Deduct	-77.67	
07 84 43 00-0048	CLF	1" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	1,213.13	147.62
		For Up To 0.4 CLF, Add	79.89	
		For >2 CLF, Deduct	-99.11	

**07 84 56 Fire Safing** (07 84)**07 84 56 13 Fibrous Fire Safing** (07 84 56)

07 84 56 13-0001		<b>Thermal Barrier Wrap</b> (07 84 56 13)		
		Note: Includes cutting wrap to fit pipe or conduit and sealing edges.		
07 84 56 13-0002	SF	1/2" Thick Fire Barrier Plenum Wrap (3M Plenum Wrap 5A)	9.62	
		For Work In Restricted Working Space, Add	1.34	
07 84 56 13-0003	SF	1-1/2" Thick Fire Barrier Duct Wrap (3M Duct Wrap 15A)	15.18	
		Note: Includes cutting wrap to fit pipe or conduit and sealing edges.		
		For Work In Restricted Working Space, Add	1.34	
07 84 56 13-0004	SF	2" Thick Fire Barrier Duct Wrap (3M Duct Wrap 20A)	16.51	
		Note: Includes cutting wrap to fit pipe or conduit and sealing edges.		
		For Work In Restricted Working Space, Add	1.34	
07 84 56 13-0005		<b>FireMaster Blanket Wrap Fireproofing</b> (07 84 56 13)		
07 84 56 13-0006	SF	1/2" Thermal Ceramics FireMaster Blanket Wrap	18.51	11.15
		For Work In Restricted Working Space, Add	4.48	
		For >500 To 5,000, Deduct	-1.57	
		For >5,000, Deduct	-2.82	
07 84 56 13-0007	SF	1" Thermal Ceramics FireMaster Blanket Wrap	21.47	11.15
		For Work In Restricted Working Space, Add	4.48	
		For >500 To 5,000, Deduct	-2.25	
		For >5,000, Deduct	-3.91	
07 84 56 13-0008	SF	1-1/2" Thermal Ceramics FireMaster Blanket Wrap	24.73	11.15
		For Work In Restricted Working Space, Add	4.48	
		For >500 To 5,000, Deduct	-3.00	
		For >5,000, Deduct	-5.12	
07 84 56 13-0009	SF	2" Thermal Ceramics FireMaster Blanket Wrap	27.98	11.15
		For Work In Restricted Working Space, Add	4.48	
		For >500 To 5,000, Deduct	-3.75	
		For >5,000, Deduct	-6.32	

**07 90 Joint Protection** (07)**07 91 Preformed Joint Seals** (07 90)**07 91 23 Backer Rods** (07 91)

07 91 23 00-0001		<b>Backer Rods</b> (07 91 23)		
07 91 23 00-0002	LF	1/4" Polyethylene Or Polyurethane Backer Rod	1.74	0.54
07 91 23 00-0003	LF	3/8" Polyethylene Or Polyurethane Backer Rod	1.87	0.54
07 91 23 00-0004	LF	1/2" Polyethylene Or Polyurethane Backer Rod	2.01	0.54
07 91 23 00-0005	LF	5/8" Polyethylene Or Polyurethane Backer Rod	2.16	0.54
07 91 23 00-0006	LF	3/4" Polyethylene Or Polyurethane Backer Rod	2.24	0.64

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 91 23 00-0007	LF		7/8" Polyethylene Or Polyurethane Backer Rod .....	2.37	0.64
07 91 23 00-0008	LF		1" Polyethylene Or Polyurethane Backer Rod .....	2.64	0.64
07 91 23 00-0009	LF		1-1/4" Polyethylene Or Polyurethane Backer Rod .....	2.92	0.75
07 91 23 00-0010	LF		1-1/2" Polyethylene Or Polyurethane Backer Rod .....	3.27	0.86
07 91 23 00-0011	LF		2" Polyethylene Or Polyurethane Backer Rod .....	3.90	0.96
07 91 23 00-0012	LF		3" Polyethylene Or Polyurethane Backer Rod .....	6.08	1.19

**07 91 26 Joint Fillers (07 91)**

**07 91 26 00-0001 Butyl Rubber Fillers (07 91 26)**

07 91 26 00-0002	LF		1/4" x 1/4" Butyl Rubber Filler .....	2.42	0.64
			<i>For Custom Match Coloring, Add</i>	0.04	
07 91 26 00-0003	LF		1/2" x 1/2" Butyl Rubber Filler .....	7.24	1.83
			<i>For Custom Match Coloring, Add</i>	0.15	
07 91 26 00-0004	LF		1/2" x 3/4" Butyl Rubber Filler .....	8.70	1.94
			<i>For Custom Match Coloring, Add</i>	0.24	
07 91 26 00-0005	LF		3/4" x 3/4" Butyl Rubber Filler .....	9.39	2.05
07 91 26 00-0006	LF		1" x 1" Butyl Rubber Filler .....	12.40	3.77

**07 91 26 00-0007 Closed Cell Neoprene (07 91 26)**

07 91 26 00-0008	CLF		1/8" x 3" Neoprene Gasket Closed Cell, Adhesive .....	427.15	124.24
07 91 26 00-0009	CLF		1/8" x 6" Neoprene Gasket Closed Cell, Adhesive .....	676.58	179.47
07 91 26 00-0010	CLF		1/4" x 3" Neoprene Gasket Closed Cell, Adhesive .....	545.10	153.85
07 91 26 00-0011	CLF		1/4" x 6" Neoprene Gasket Closed Cell, Adhesive .....	621.13	161.49
07 91 26 00-0012	CLF		1/2" x 6" Neoprene Gasket Closed Cell, Adhesive .....	948.39	248.48
07 91 26 00-0013	CLF		1/2" x 9" Neoprene Gasket Closed Cell, Adhesive .....	1,078.80	269.14
07 91 26 00-0014	CLF		1/2" x 12" Neoprene Gasket Closed Cell, Adhesive .....	954.79	195.73

**07 91 26 00-0015 Closed Cell Polyvinyl Chloride (07 91 26)**

07 91 26 00-0016	CLF		1/8" x 3" Polyethylene Joint Backing, Closed Cell .....	433.68	153.85
07 91 26 00-0017	CLF		1/8" x 6" Polyethylene Joint Backing, Closed Cell .....	715.79	248.48
07 91 26 00-0018	CLF		1/4" x 3" Polyethylene Joint Backing, Closed Cell .....	561.80	212.09
07 91 26 00-0019	CLF		1/4" x 6" Polyethylene Joint Backing, Closed Cell .....	662.51	223.93
07 91 26 00-0020	CLF		1/2" x 6" Polyethylene Joint Backing, Closed Cell .....	1,009.75	343.44
07 91 26 00-0021	CLF		1/2" x 9" Polyethylene Joint Backing, Closed Cell .....	1,169.56	372.71
07 91 26 00-0022	CLF		1/2" x 12" Polyethylene Joint Backing, Closed Cell .....	1,528.78	446.78

**07 91 26 00-0023 Silicon RTV Foam Penetration Seal (07 91 26)**

07 91 26 00-0024	CLF		1/4" x 1/2" Silicon RTV Foam Seal .....	152.20	24.66
07 91 26 00-0025	CLF		1/2" x 1/2" Silicon RTV Foam Seal .....	304.39	49.20
07 91 26 00-0026	CLF		1/2" x 3/4" Silicon RTV Foam Seal .....	453.82	73.10
07 91 26 00-0027	CLF		3/4" x 3/4" Silicon RTV Foam Seal .....	643.91	98.51
07 91 26 00-0028	CLF		1/8" x 1" Silicon RTV Foam Seal .....	152.20	24.66
07 91 26 00-0029	CLF		1/8" x 3" Silicon RTV Foam Seal .....	453.38	72.89
07 91 26 00-0030	CLF		1/4" x 3" Silicon RTV Foam Seal .....	785.59	109.49
07 91 26 00-0031	CLF		1/4" x 6" Silicon RTV Foam Seal .....	1,569.25	218.22
07 91 26 00-0032	CLF		1/2" x 6" Silicon RTV Foam Seal .....	2,990.20	393.93
07 91 26 00-0033	CLF		1/2" x 9" Silicon RTV Foam Seal .....	4,564.48	615.38
07 91 26 00-0034	CLF		1/2" x 12" Silicon RTV Foam Seal .....	6,649.55	984.65

**07 91 26 00-0035 Seals O-Ring Type Cord "J-Seal" (07 91 26)**

07 91 26 00-0036	LF		1/4" Seals O-Ring Cord, J-Seal .....	4.59	1.40
07 91 26 00-0037	LF		1/2" Seals O-Ring Cord, J-Seal .....	4.87	1.40
07 91 26 00-0038	LF		3/4" Seals O-Ring Cord, J-Seal .....	5.11	1.51
07 91 26 00-0039	LF		1" Seals O-Ring Cord, J-Seal .....	5.38	1.62
07 91 26 00-0040	LF		1-1/4" Seals O-Ring Cord, J-Seal .....	5.75	1.73
07 91 26 00-0041	LF		1-1/2" Seals O-Ring Cord, J-Seal .....	6.01	1.73
07 91 26 00-0042	LF		1-3/4" Seals O-Ring Cord, J-Seal .....	6.36	1.83
07 91 26 00-0043	LF		2" Seals O-Ring Cord, J-Seal .....	6.56	1.83

**07 91 33 Expansion Joint Seal Systems (07 91)**

**07 91 33 00-0001 Expansion Joint Seal Systems (Wabo®) (07 91 33)**

**07 91 33 00-0002 Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal Systems (Wabo® HSeal) (07 91 33 00-0001)**

Note: Includes a pre-compressed seal, epoxy adhesive and traffic grade elastomeric top coating.

07 91 33 00-0003	LF		1/2" Minimum, 1-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 25EH) .....	79.27	7.04
07 91 33 00-0004	LF		3/4" Minimum, 2-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 40EH) .....	105.69	7.38
07 91 33 00-0005	LF		1" Minimum, 3" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 50EH) .....	133.55	7.71
07 91 33 00-0006	LF		1-1/4" Minimum, 3-3/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 65EH) .....	164.54	8.05
07 91 33 00-0007	LF		1-1/2" Minimum, 4-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 75EH) .....	213.10	8.38
07 91 33 00-0008	LF		1-3/4" Minimum, 5-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 90EH) .....	244.62	8.72

**07 Thermal And Moisture Protection****07 90 Joint Protection****07 91 Prefomed Joint Seals**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

07 91 33 00-0009	LF	2" Minimum, 6" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 100EH).....	283.69	9.05
<b>07 91 33 00-0010 Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal Systems (Wabo® CompressionSeal) (07 91 33 00-0001)</b>				
Note: Includes prefomed neoprene joint seal and lubricant adhesive.				
07 91 33 00-0011	LF	0.625" Minimum, 1.381" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-162).....	41.12	7.04
07 91 33 00-0012	LF	0.688" Minimum, 1.488" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-175).....	44.79	7.14
07 91 33 00-0013	LF	0.875" Minimum, 1.700" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-200).....	53.91	7.24
07 91 33 00-0014	LF	0.953" Minimum, 1.913" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-225).....	57.17	7.38
07 91 33 00-0015	LF	1.000" Minimum, 2.125" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-250).....	61.02	7.48
07 91 33 00-0016	LF	1.125" Minimum, 2.550" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-300).....	74.53	7.58
07 91 33 00-0017	LF	1.375" Minimum, 2.975" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-350).....	91.68	7.71
07 91 33 00-0018	LF	1.625" Minimum, 3.400" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-400).....	108.25	8.05
07 91 33 00-0019	LF	1.687" Minimum, 4.250" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-500).....	122.44	8.38
<b>07 91 33 00-0020 Santoprene®, Prefomed Elastomeric Vertical Expansion Joint Seal Systems (Wabo® CompressionSeal) (07 91 33 00-0001)</b>				
Note: Includes prefomed Santoprene® joint seal and lubricant adhesive.				
07 91 33 00-0021	LF	0.500" Minimum, 1.500" Maximum Joint Opening, Santoprene®, Prefomed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-100).....	34.61	7.04
07 91 33 00-0022	LF	0.688" Minimum, 1.938" Maximum Joint Opening, Santoprene®, Prefomed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-225).....	44.70	7.38
07 91 33 00-0023	LF	1.063" Minimum, 2.125" Maximum Joint Opening, Santoprene®, Prefomed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-250).....	54.60	7.71
07 91 33 00-0024	LF	1.250" Minimum, 2.563" Maximum Joint Opening, Santoprene®, Prefomed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-300).....	57.61	7.88
07 91 33 00-0025	LF	1.250" Minimum, 3.375" Maximum Joint Opening, Santoprene®, Prefomed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-400).....	63.79	8.05
07 91 33 00-0026	LF	1.438" Minimum, 4.250" Maximum Joint Opening, Santoprene®, Prefomed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-500).....	90.99	8.38
07 91 33 00-0027	LF	1.813" Minimum, 5.125" Maximum Joint Opening, Santoprene®, Prefomed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-600).....	124.61	8.72
<b>07 91 33 00-0028 Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal Systems (Wabo® Seismic WeatherSeal) (07 91 33 00-0001)</b>				
Note: Includes a pre-compressed foam seal and silicone sealant.				
07 91 33 00-0029	LF	1/2" Minimum, 1-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-100).....	29.14	2.79
07 91 33 00-0030	LF	3/4" Minimum, 2-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-150).....	48.69	2.91
07 91 33 00-0031	LF	1" Minimum, 3" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-200).....	73.16	3.02
07 91 33 00-0032	LF	1-1/4" Minimum, 3-3/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-250).....	92.19	3.13
07 91 33 00-0033	LF	1-1/2" Minimum, 4-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-300).....	121.22	3.24
07 91 33 00-0034	LF	1-3/4" Minimum, 5-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-350).....	160.29	3.35
07 91 33 00-0035	LF	2" Minimum, 6" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-400).....	196.53	3.46
07 91 33 00-0036	LF	2-1/2" Minimum, 7-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-500).....	264.93	3.58
07 91 33 00-0037	LF	3" Minimum, 9" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-600).....	309.26	3.69
<b>07 91 33 00-0038 Silicone Faced Foam, Prefomed Elastomeric Expansion Joint Seal Systems (Wabo® WeatherSeal II) (07 91 33 00-0001)</b>				
Note: Includes a pre-compressed foam seal and silicone sealant.				
07 91 33 00-0039	LF	0.75" Minimum, 1.25" Maximum Joint Opening, Silicone Faced Foam, Prefomed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-100).....	28.43	2.79
07 91 33 00-0040	LF	1.13" Minimum, 1.88" Maximum Joint Opening, Silicone Faced Foam, Prefomed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-150).....	37.44	2.91
07 91 33 00-0041	LF	1.50" Minimum, 2.50" Maximum Joint Opening, Silicone Faced Foam, Prefomed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-200).....	50.15	3.02
07 91 33 00-0042	LF	1.88" Minimum, 3.13" Maximum Joint Opening, Silicone Faced Foam, Prefomed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-250).....	67.94	3.13
07 91 33 00-0043	LF	2.25" Minimum, 3.75" Maximum Joint Opening, Silicone Faced Foam, Prefomed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-300).....	77.47	3.24
07 91 33 00-0044	LF	2.63" Minimum, 4.38" Maximum Joint Opening, Silicone Faced Foam, Prefomed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-350).....	107.40	3.35
07 91 33 00-0045	LF	3.00" Minimum, 5.00" Maximum Joint Opening, Silicone Faced Foam, Prefomed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-400).....	144.17	3.46



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 91 33 00-0046	LF		3.75" Minimum, 6.25" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-500)	155.63	3.58
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**07 92 Joint Sealants (07 90)**

**07 92 13 Elastomeric Joint Sealants (07 92)**

**07 92 13 00-0001 Silicone Sealants And Caulking (07 92 13)**

07 92 13 00-0002	CLF	1/4" x 1/4" Joint, Silicone Sealant And Caulking	337.56	99.90
		For Custom Match Coloring, Add	9.09	
		For Up To 6 CLF, Add	17.82	
		For >30 CLF, Deduct	-18.77	
		For 1 Part Mildew Resistant, Add	13.25	
		For High-Modulus Non-Acid Curing, Add	7.57	
07 92 13 00-0003	CLF	1/4" x 3/8" Joint, Silicone Sealant And Caulking	356.50	99.90
		For Custom Match Coloring, Add	13.63	
		For Up To 4 CLF, Add	19.25	
		For >20 CLF, Deduct	-20.67	
		For 1 Part Mildew Resistant, Add	19.88	
		For High-Modulus Non-Acid Curing, Add	11.36	
07 92 13 00-0004	CLF	1/4" x 1/2" Joint, Silicone Sealant And Caulking	386.53	103.22
		For Custom Match Coloring, Add	18.18	
		For Up To 3 CLF, Add	21.22	
		For >15 CLF, Deduct	-23.11	
		For 1 Part Mildew Resistant, Add	26.51	
		For High-Modulus Non-Acid Curing, Add	15.15	
07 92 13 00-0005	CLF	3/8" x 3/8" Joint, Silicone Sealant And Caulking	396.00	103.22
		For Custom Match Coloring, Add	20.45	
		For Up To 2.5 CLF, Add	21.93	
		For >13 CLF, Deduct	-24.06	
		For 1 Part Mildew Resistant, Add	29.83	
		For High-Modulus Non-Acid Curing, Add	17.04	
07 92 13 00-0006	CLF	3/8" x 1/2" Joint, Silicone Sealant And Caulking	424.40	103.22
		For Custom Match Coloring, Add	27.27	
		For Up To 2 CLF, Add	24.06	
		For >10 CLF, Deduct	-26.90	
		For 1 Part Mildew Resistant, Add	39.77	
		For High-Modulus Non-Acid Curing, Add	22.72	
07 92 13 00-0007	CLF	3/8" x 5/8" Joint, Silicone Sealant And Caulking	452.81	103.22
		For Custom Match Coloring, Add	34.09	
		For Up To 1.5 CLF, Add	26.19	
		For >8 CLF, Deduct	-29.74	
		For 1 Part Mildew Resistant, Add	49.71	
		For High-Modulus Non-Acid Curing, Add	28.41	
07 92 13 00-0008	CLF	3/8" x 3/4" Joint, Silicone Sealant And Caulking	492.31	107.66
		For Custom Match Coloring, Add	40.90	
		For Up To 1.3 CLF, Add	28.88	
		For >7 CLF, Deduct	-33.14	
		For 1 Part Mildew Resistant, Add	59.65	
		For High-Modulus Non-Acid Curing, Add	34.09	
07 92 13 00-0009	CLF	1/2" x 1/2" Joint, Silicone Sealant And Caulking	473.38	107.66
		For Custom Match Coloring, Add	36.36	
		For Up To 1.4 CLF, Add	27.46	
		For >7.5 CLF, Deduct	-31.24	
		For 1 Part Mildew Resistant, Add	53.03	
		For High-Modulus Non-Acid Curing, Add	30.30	
07 92 13 00-0010	CLF	1/2" x 5/8" Joint, Silicone Sealant And Caulking	522.36	110.99
		For Custom Match Coloring, Add	45.45	
		For Up To 1.15 CLF, Add	30.85	
		For >6 CLF, Deduct	-35.59	
		For 1 Part Mildew Resistant, Add	66.28	
		For High-Modulus Non-Acid Curing, Add	37.87	
07 92 13 00-0011	CLF	1/2" x 3/4" Joint, Silicone Sealant And Caulking	560.24	110.99
		For Custom Match Coloring, Add	54.54	
		For Up To 1 CLF, Add	33.69	
		For >5 CLF, Deduct	-39.37	
		For 1 Part Mildew Resistant, Add	79.54	
		For High-Modulus Non-Acid Curing, Add	45.45	
07 92 13 00-0012	CLF	1/2" x 7/8" Joint, Silicone Sealant And Caulking	609.20	114.32
		For Custom Match Coloring, Add	63.63	
		For Up To 0.8 CLF, Add	37.09	
		For >4.5 CLF, Deduct	-43.72	
		For 1 Part Mildew Resistant, Add	92.79	
		For High-Modulus Non-Acid Curing, Add	53.02	
07 92 13 00-0013	CLF	1/2" x 1" Joint, Silicone Sealant And Caulking	658.17	118.76
		For Custom Match Coloring, Add	72.72	
		For Up To 0.75 CLF, Add	40.48	
		For >4 CLF, Deduct	-48.06	
		For 1 Part Mildew Resistant, Add	106.05	
		For High-Modulus Non-Acid Curing, Add	60.60	
07 92 13 00-0014	CLF	3/4" x 3/4" Joint, Silicone Sealant And Caulking	707.15	122.09
		For Custom Match Coloring, Add	81.81	
		For Up To 0.65 CLF, Add	43.88	
		For >3.5 CLF, Deduct	-52.40	
		For 1 Part Mildew Resistant, Add	119.30	
		For High-Modulus Non-Acid Curing, Add	68.17	

**07 Thermal And Moisture Protection****07 90 Joint Protection****07 92 Joint Sealants**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0015	CLF		3/4" x 1" Joint, Silicone Sealant And Caulking .....	854.07	133.20
			<i>For Custom Match Coloring, Add</i>	109.08	
			<i>For Up To 0.5 CLF, Add</i>	54.07	
			<i>For &gt;2.5 CLF, Deduct</i>	-65.43	
			<i>For 1 Part Mildew Resistant, Add</i>	159.07	
			<i>For High-Modulus Non-Acid Curing, Add</i>	90.90	
07 92 13 00-0016	CLF		1" x 1" Joint, Silicone Sealant And Caulking .....	1,049.97	147.62
			<i>For Custom Match Coloring, Add</i>	145.44	
			<i>For Up To 0.4 CLF, Add</i>	67.65	
			<i>For &gt;2 CLF, Deduct</i>	-82.80	
			<i>For 1 Part Mildew Resistant, Add</i>	212.10	
			<i>For High-Modulus Non-Acid Curing, Add</i>	121.20	
<b>07 92 13 00-0017 Acrylic/Latex Sealant And Caulking (07 92 13)</b>					
07 92 13 00-0018	CLF		1/4" x 1/4" Joint, Acrylic/Latex Sealant And Caulking .....	312.98	99.90
			<i>For Up To 6 CLF, Add</i>	15.98	
			<i>For &gt;30 CLF, Deduct</i>	-16.31	
07 92 13 00-0019	CLF		1/4" x 3/8" Joint, Acrylic/Latex Sealant And Caulking .....	319.62	99.90
			<i>For Up To 4 CLF, Add</i>	16.48	
			<i>For &gt;20 CLF, Deduct</i>	-16.98	
07 92 13 00-0020	CLF		1/4" x 1/2" Joint, Acrylic/Latex Sealant And Caulking .....	337.36	103.22
			<i>For Up To 3 CLF, Add</i>	17.53	
			<i>For &gt;15 CLF, Deduct</i>	-18.20	
07 92 13 00-0021	CLF		3/8" x 3/8" Joint, Acrylic/Latex Sealant And Caulking .....	340.68	103.22
			<i>For Up To 2.5 CLF, Add</i>	17.78	
			<i>For &gt;13 CLF, Deduct</i>	-18.53	
07 92 13 00-0022	CLF		3/8" x 1/2" Joint, Acrylic/Latex Sealant And Caulking .....	350.64	103.22
			<i>For Up To 2 CLF, Add</i>	18.53	
			<i>For &gt;10 CLF, Deduct</i>	-19.53	
07 92 13 00-0023	CLF		3/8" x 5/8" Joint, Acrylic/Latex Sealant And Caulking .....	360.61	103.22
			<i>For Up To 1.5 CLF, Add</i>	19.28	
			<i>For &gt;8 CLF, Deduct</i>	-20.52	
07 92 13 00-0024	CLF		3/8" x 3/4" Joint, Acrylic/Latex Sealant And Caulking .....	381.67	107.66
			<i>For Up To 1.3 CLF, Add</i>	20.58	
			<i>For &gt;7 CLF, Deduct</i>	-22.07	
07 92 13 00-0025	CLF		1/2" x 1/2" Joint, Acrylic/Latex Sealant And Caulking .....	375.03	107.66
			<i>For Up To 1.4 CLF, Add</i>	20.08	
			<i>For &gt;7.5 CLF, Deduct</i>	-21.41	
07 92 13 00-0026	CLF		1/2" x 5/8" Joint, Acrylic/Latex Sealant And Caulking .....	399.43	110.99
			<i>For Up To 1.15 CLF, Add</i>	21.63	
			<i>For &gt;6 CLF, Deduct</i>	-23.29	
07 92 13 00-0027	CLF		1/2" x 3/4" Joint, Acrylic/Latex Sealant And Caulking .....	412.72	110.99
			<i>For Up To 1 CLF, Add</i>	22.63	
			<i>For &gt;5 CLF, Deduct</i>	-24.62	
07 92 13 00-0028	CLF		1/2" x 7/8" Joint, Acrylic/Latex Sealant And Caulking .....	437.09	114.32
			<i>For Up To 0.8 CLF, Add</i>	24.18	
			<i>For &gt;4.5 CLF, Deduct</i>	-26.51	
07 92 13 00-0029	CLF		1/2" x 1" Joint, Acrylic/Latex Sealant And Caulking .....	461.48	118.76
			<i>For Up To 0.75 CLF, Add</i>	25.73	
			<i>For &gt;4 CLF, Deduct</i>	-28.39	
07 92 13 00-0030	CLF		3/4" x 3/4" Joint, Acrylic/Latex Sealant And Caulking .....	485.87	122.09
			<i>For Up To 0.65 CLF, Add</i>	27.28	
			<i>For &gt;3.5 CLF, Deduct</i>	-30.27	
07 92 13 00-0031	CLF		3/4" x 1" Joint, Acrylic/Latex Sealant And Caulking .....	559.03	133.20
			<i>For Up To 0.5 CLF, Add</i>	31.94	
			<i>For &gt;2.5 CLF, Deduct</i>	-35.92	
07 92 13 00-0032	CLF		1" x 1" Joint, Acrylic/Latex Sealant And Caulking .....	656.58	147.62
			<i>For Up To 0.4 CLF, Add</i>	38.14	
			<i>For &gt;2 CLF, Deduct</i>	-43.46	
<b>07 92 13 00-0033 Polyurethane Sealant And Caulking (07 92 13)</b>					
			Note: 1 or 2 part, non-sag.		
07 92 13 00-0034	CLF		1/4" x 1/4" Joint, Polyurethane Sealant And Caulking .....	328.74	99.90
			<i>For Up To 6 CLF, Add</i>	17.16	
			<i>For &gt;30 CLF, Deduct</i>	-17.89	
07 92 13 00-0035	CLF		1/4" x 3/8" Joint, Polyurethane Sealant And Caulking .....	343.26	99.90
			<i>For Up To 4 CLF, Add</i>	18.25	
			<i>For &gt;20 CLF, Deduct</i>	-19.34	
07 92 13 00-0036	CLF		1/4" x 1/2" Joint, Polyurethane Sealant And Caulking .....	368.88	103.22
			<i>For Up To 3 CLF, Add</i>	19.90	
			<i>For &gt;15 CLF, Deduct</i>	-21.35	
07 92 13 00-0037	CLF		3/8" x 3/8" Joint, Polyurethane Sealant And Caulking .....	376.14	103.22
			<i>For Up To 2.5 CLF, Add</i>	20.44	
			<i>For &gt;13 CLF, Deduct</i>	-22.08	
07 92 13 00-0038	CLF		3/8" x 1/2" Joint, Polyurethane Sealant And Caulking .....	397.92	103.22
			<i>For Up To 2 CLF, Add</i>	22.07	
			<i>For &gt;10 CLF, Deduct</i>	-24.25	
07 92 13 00-0039	CLF		3/8" x 5/8" Joint, Polyurethane Sealant And Caulking .....	419.71	103.22
			<i>For Up To 1.5 CLF, Add</i>	23.71	
			<i>For &gt;8 CLF, Deduct</i>	-26.43	
07 92 13 00-0040	CLF		3/8" x 3/4" Joint, Polyurethane Sealant And Caulking .....	452.60	107.66
			<i>For Up To 1.3 CLF, Add</i>	25.90	
			<i>For &gt;7 CLF, Deduct</i>	-29.17	
07 92 13 00-0041	CLF		1/2" x 1/2" Joint, Polyurethane Sealant And Caulking .....	438.07	107.66
			<i>For Up To 1.4 CLF, Add</i>	24.81	
			<i>For &gt;7.5 CLF, Deduct</i>	-27.71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0042			CLF 1/2" x 5/8" Joint, Polyurethane Sealant And Caulking ..... <i>For Up To 1.15 CLF, Add</i> <i>For &gt;6 CLF, Deduct</i>	478.23 27.54 -31.17	110.99
07 92 13 00-0043			CLF 1/2" x 3/4" Joint, Polyurethane Sealant And Caulking ..... <i>For Up To 1 CLF, Add</i> <i>For &gt;5 CLF, Deduct</i>	507.28 29.72 -34.08	110.99
07 92 13 00-0044			CLF 1/2" x 7/8" Joint, Polyurethane Sealant And Caulking ..... <i>For Up To 0.8 CLF, Add</i> <i>For &gt;4.5 CLF, Deduct</i>	547.42 32.45 -37.54	114.32
07 92 13 00-0045			CLF 1/2" x 1" Joint, Polyurethane Sealant And Caulking ..... <i>For Up To 0.75 CLF, Add</i> <i>For &gt;4 CLF, Deduct</i>	587.57 35.19 -41.00	118.76
07 92 13 00-0046			CLF 3/4" x 3/4" Joint, Polyurethane Sealant And Caulking ..... <i>For Up To 0.65 CLF, Add</i> <i>For &gt;3.5 CLF, Deduct</i>	627.71 37.92 -44.46	122.09
07 92 13 00-0047			CLF 3/4" x 1" Joint, Polyurethane Sealant And Caulking ..... <i>For Up To 0.5 CLF, Add</i> <i>For &gt;2.5 CLF, Deduct</i>	748.16 46.12 -54.84	133.20
<b>07 92 13 00-0048</b>			<b>Flexible Polysulfide Sealant And Caulking, Clear</b> (07 92 13) Note: 1 or 2 part, non-sag.		
07 92 13 00-0049			CLF 1/4" x 1/4" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 6 CLF, Add</i> <i>For &gt;30 CLF, Deduct</i>	331.49 17.37 -18.16	99.90
07 92 13 00-0050			CLF 1/4" x 3/8" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 4 CLF, Add</i> <i>For &gt;20 CLF, Deduct</i>	347.41 18.56 -19.76	99.90
07 92 13 00-0051			CLF 1/4" x 1/2" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 3 CLF, Add</i> <i>For &gt;15 CLF, Deduct</i>	374.40 20.31 -21.90	103.22
07 92 13 00-0052			CLF 3/8" x 3/8" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 2.5 CLF, Add</i> <i>For &gt;13 CLF, Deduct</i>	382.35 20.91 -22.70	103.22
07 92 13 00-0053			CLF 3/8" x 1/2" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 2 CLF, Add</i> <i>For &gt;10 CLF, Deduct</i>	406.22 22.70 -25.08	103.22
07 92 13 00-0054			CLF 3/8" x 5/8" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 1.5 CLF, Add</i> <i>For &gt;8 CLF, Deduct</i>	430.08 24.49 -27.47	103.22
07 92 13 00-0055			CLF 3/8" x 3/4" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 1.3 CLF, Add</i> <i>For &gt;7 CLF, Deduct</i>	465.03 26.83 -30.41	107.66
07 92 13 00-0056			CLF 1/2" x 1/2" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 1.4 CLF, Add</i> <i>For &gt;7.5 CLF, Deduct</i>	449.13 25.64 -28.82	107.66
07 92 13 00-0057			CLF 1/2" x 5/8" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 1.15 CLF, Add</i> <i>For &gt;6 CLF, Deduct</i>	492.06 28.58 -32.56	110.99
07 92 13 00-0058			CLF 1/2" x 3/4" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 1 CLF, Add</i> <i>For &gt;5 CLF, Deduct</i>	523.86 30.96 -35.74	110.99
07 92 13 00-0059			CLF 1/2" x 7/8" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 0.8 CLF, Add</i> <i>For &gt;4.5 CLF, Deduct</i>	566.77 33.91 -39.47	114.32
07 92 13 00-0060			CLF 1/2" x 1" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 0.75 CLF, Add</i> <i>For &gt;4 CLF, Deduct</i>	609.68 36.85 -43.21	118.76
07 92 13 00-0061			CLF 3/4" x 3/4" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 0.65 CLF, Add</i> <i>For &gt;3.5 CLF, Deduct</i>	652.59 39.79 -46.95	122.09
07 92 13 00-0062			CLF 3/4" x 1" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 0.5 CLF, Add</i> <i>For &gt;2.5 CLF, Deduct</i>	781.32 48.61 -58.15	133.20
<b>07 92 13 00-0063</b>			<b>Flexible Polyurethane Security Sealant And Caulking</b> (07 92 13) Note: 1 or 2 part, non-sag.		
07 92 13 00-0064			CLF 1/4" x 1/4" Joint, Flexible Polyurethane Security Sealant And Caulking ..... <i>For Up To 6 CLF, Add</i> <i>For &gt;30 CLF, Deduct</i>	338.24 17.88 -18.84	99.90
07 92 13 00-0065			CLF 1/4" x 3/8" Joint, Flexible Polyurethane Security Sealant And Caulking ..... <i>For Up To 4 CLF, Add</i> <i>For &gt;20 CLF, Deduct</i>	357.52 19.32 -20.77	99.90
07 92 13 00-0066			CLF 1/4" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking ..... <i>For Up To 3 CLF, Add</i> <i>For &gt;15 CLF, Deduct</i>	387.89 21.32 -23.25	103.22
07 92 13 00-0067			CLF 3/8" x 3/8" Joint, Flexible Polyurethane Security Sealant And Caulking ..... <i>For Up To 2.5 CLF, Add</i> <i>For &gt;13 CLF, Deduct</i>	397.52 22.04 -24.21	103.22
07 92 13 00-0068			CLF 3/8" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking ..... <i>For Up To 2 CLF, Add</i> <i>For &gt;10 CLF, Deduct</i>	426.44 24.21 -27.11	103.22
07 92 13 00-0069			CLF 3/8" x 5/8" Joint, Flexible Polyurethane Security Sealant And Caulking ..... <i>For Up To 1.5 CLF, Add</i> <i>For &gt;8 CLF, Deduct</i>	455.35 26.38 -30.00	103.22
07 92 13 00-0070			CLF 3/8" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking ..... <i>For Up To 1.3 CLF, Add</i> <i>For &gt;7 CLF, Deduct</i>	495.37 29.11 -33.44	107.66

**07 Thermal And Moisture Protection****07 90 Joint Protection****07 92 Joint Sealants**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

07 92 13 00-0071	CLF 1/2" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking .....	476.09	107.66
	For Up To 1.4 CLF, Add	27.66	
	For >7.5 CLF, Deduct	-31.52	
07 92 13 00-0072	CLF 1/2" x 5/8" Joint, Flexible Polyurethane Security Sealant And Caulking .....	525.76	110.99
	For Up To 1.15 CLF, Add	31.11	
	For >6 CLF, Deduct	-35.93	
07 92 13 00-0073	CLF 1/2" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking .....	564.31	110.99
	For Up To 1 CLF, Add	34.00	
	For >5 CLF, Deduct	-39.78	
07 92 13 00-0074	CLF 1/2" x 7/8" Joint, Flexible Polyurethane Security Sealant And Caulking .....	613.95	114.32
	For Up To 0.8 CLF, Add	37.44	
	For >4.5 CLF, Deduct	-44.19	
07 92 13 00-0075	CLF 1/2" x 1" Joint, Flexible Polyurethane Security Sealant And Caulking .....	663.61	118.76
	For Up To 0.75 CLF, Add	40.89	
	For >4 CLF, Deduct	-48.60	
07 92 13 00-0076	CLF 3/4" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking .....	713.26	122.09
	For Up To 0.65 CLF, Add	44.34	
	For >3.5 CLF, Deduct	-53.01	
07 92 13 00-0077	CLF 3/4" x 1" Joint, Flexible Polyurethane Security Sealant And Caulking .....	862.22	133.20
	For Up To 0.5 CLF, Add	54.68	
	For >2.5 CLF, Deduct	-66.24	

**07 92 19 Acoustical Joint Sealants (07 92)****07 92 19 00-0001 Acoustical Sealant (07 92 19)**

07 92 19 00-0002	CLF 1/4" x 1/4" Joint, Acoustical Sealant.....	340.93	99.90
	For Custom Match Coloring, Add	9.90	
	For Up To 6 CLF, Add	18.08	
	For >30 CLF, Deduct	-19.11	
	For 1 Part Mildew Resistant, Add	14.43	
	For High-Modulus Non-Acid Curing, Add	8.25	
07 92 19 00-0003	CLF 1/4" x 3/8" Joint, Acoustical Sealant.....	356.60	99.90
	For Custom Match Coloring, Add	13.66	
	For Up To 4 CLF, Add	19.25	
	For >20 CLF, Deduct	-20.68	
	For 1 Part Mildew Resistant, Add	19.92	
	For High-Modulus Non-Acid Curing, Add	11.38	
07 92 19 00-0004	CLF 1/4" x 1/2" Joint, Acoustical Sealant.....	376.92	103.22
	For Custom Match Coloring, Add	15.87	
	For Up To 3 CLF, Add	20.50	
	For >15 CLF, Deduct	-22.15	
	For 1 Part Mildew Resistant, Add	23.15	
	For High-Modulus Non-Acid Curing, Add	13.23	
07 92 19 00-0005	CLF 3/8" x 3/8" Joint, Acoustical Sealant.....	402.54	103.22
	For Custom Match Coloring, Add	22.02	
	For Up To 2.5 CLF, Add	22.42	
	For >13 CLF, Deduct	-24.72	
	For 1 Part Mildew Resistant, Add	32.12	
	For High-Modulus Non-Acid Curing, Add	18.35	
07 92 19 00-0006	CLF 3/8" x 1/2" Joint, Acoustical Sealant.....	429.19	103.22
	For Custom Match Coloring, Add	28.42	
	For Up To 2 CLF, Add	24.42	
	For >10 CLF, Deduct	-27.38	
	For 1 Part Mildew Resistant, Add	41.44	
	For High-Modulus Non-Acid Curing, Add	23.68	
07 92 19 00-0007	CLF 1/2" x 1/2" Joint, Acoustical Sealant.....	488.73	107.66
	For Custom Match Coloring, Add	40.04	
	For Up To 1.4 CLF, Add	28.61	
	For >7.5 CLF, Deduct	-32.78	
	For 1 Part Mildew Resistant, Add	58.40	
	For High-Modulus Non-Acid Curing, Add	33.37	

**07 95 Expansion Control (07 90)****07 95 13 Expansion Joint Cover Assemblies (07 95)**

Note: Includes necessary waterproofing mastics/caulking.

**07 95 13 13 Interior Expansion Joint Cover Assemblies (07 95 13)****07 95 13 13-0001 Interior Floor Expansion Joint Cover Assemblies (07 95 13 13)****07 95 13 13-0002 With 1" Space (07 95 13 13-0001)**

07 95 13 13-0003	LF 1" Opening Floor Assembly Type, With Aluminum Expansion Joint Cover.....	52.91	6.10
07 95 13 13-0004	LF 1" Opening Floor Assembly Type, With Bronze Expansion Joint Cover .....	73.33	6.10
07 95 13 13-0005	LF 1" Opening Floor Assembly Type, With Stainless Steel Expansion Joint Cover .....	73.10	6.10

**07 95 13 13-0006 With 2" Space (07 95 13 13-0001)**

07 95 13 13-0007	LF 2" Opening Floor Assembly Type, Aluminum Expansion Joint Cover.....	68.64	6.10
07 95 13 13-0008	LF 2" Opening Floor Assembly Type, Bronze Expansion Joint Cover .....	90.61	6.10
07 95 13 13-0009	LF 2" Opening Floor Assembly Type, Stainless Steel Expansion Joint Cover .....	98.93	6.10

**07 95 13 13-0010 Interior Ceiling And Wall Expansion Joint Cover Assemblies (07 95 13 13)****07 95 13 13-0011 With 1" Space (07 95 13 13-0010)**

07 95 13 13-0012	LF 1" Opening Ceiling And Wall Assembly Type, Aluminum Expansion Joint Cover.....	42.48	6.10
07 95 13 13-0013	LF 1" Opening Ceiling And Wall Assembly Type, Bronze Expansion Joint Cover .....	61.34	6.10

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 95 13 13-0014	LF	1" Opening Ceiling And Wall Assembly Type, Stainless Steel Expansion Joint Cover.....	65.49	6.10
<b>07 95 13 13-0015</b>		<b>With 2" Space</b> <small>(07 95 13 13-0010)</small>		
07 95 13 13-0016	LF	2" Opening Ceiling And Wall Assembly Type, Aluminum Expansion Joint Cover.....	51.92	6.10
07 95 13 13-0017	LF	2" Opening Ceiling And Wall Assembly Type, Bronze Expansion Joint Cover .....	69.97	6.10
07 95 13 13-0018	LF	2" Opening Ceiling And Wall Assembly Type, Stainless Steel Expansion Joint Cover.....	78.40	6.10
<b>07 95 13 16</b>		<b>Exterior Expansion Joint Cover Assemblies</b> <small>(07 95 13)</small>		
<b>07 95 13 16-0001</b>		<b>Exterior Roof Aluminum Expansion Joint Cover Assemblies</b> <small>(07 95 13 16)</small>		
<b>07 95 13 16-0002</b>		<b>Roof To Roof</b> <small>(07 95 13 16-0001)</small>		
07 95 13 16-0003	LF	1" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint.....	68.30	4.06
07 95 13 16-0004	LF	2" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint .....	81.54	4.06
07 95 13 16-0005	LF	3" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint .....	90.66	4.06
<b>07 95 13 16-0006</b>		<b>Roof To Wall</b> <small>(07 95 13 16-0001)</small>		
07 95 13 16-0007	LF	1" Opening Aluminum Assemblies, Exterior Roof To Wall Expansion Joint.....	52.28	4.06
07 95 13 16-0008	LF	2" Opening Aluminum Assemblies, Exterior Roof To Wall Expansion Joint.....	68.48	4.06
<b>07 95 13 16-0009</b>		<b>Flat Wall To Wall</b> <small>(07 95 13 16-0001)</small>		
07 95 13 16-0010	LF	1" Opening Aluminum Assemblies, Exterior Wall To Wall Expansion Joint .....	39.63	4.06
07 95 13 16-0011	LF	2" Opening Aluminum Assemblies, Exterior Wall To Wall Expansion Joint .....	49.35	4.06
07 95 13 16-0012	LF	3" Opening Aluminum Assemblies, Exterior Wall To Wall Expansion Joint .....	61.09	4.06
<b>07 95 13 16-0013</b>		<b>Corner To Flat Wall</b> <small>(07 95 13 16-0001)</small>		
07 95 13 16-0014	LF	1" Opening Aluminum Assemblies, Exterior Corner To Wall Expansion Joint .....	37.94	4.06
07 95 13 16-0015	LF	2" Opening Aluminum Assemblies, Exterior Corner To Wall Expansion Joint .....	44.42	4.06
07 95 13 16-0016	LF	3" Opening Aluminum Assemblies, Exterior Corner To Wall Expansion Joint .....	62.64	4.06

**END OF SECTION 07**

**07 Thermal And Moisture Protection**

07 90 Joint Protection

07 95 Expansion Control



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 08 Openings

### 08 01 Operation and Maintenance of Openings (08)

#### 08 01 50 Operation and Maintenance of Windows (08 01)

#### **08 01 52 Operation and Maintenance of Wood Windows (08 01 50)**

#### **08 01 52 61 Wood Window Repairs (08 01 52)**

#### 08 01 52 61-0001 Window Restoration And Replacement (08 01 52 61)

08 01 52 61-0002	EA	Removal And Replacement Of Sash Guides .....	12.12
08 01 52 61-0003	EA	Removal And Replacement Of Window Arms .....	33.44
08 01 52 61-0004	EA	Removal And Replacement Of Window Crank Operator .....	38.58
08 01 52 61-0005	EA	Removal And Replacement Of Brass Window Sash Pull .....	23.12
08 01 52 61-0006	EA	Removal And Replacement Of Brass Window Sash Lock .....	21.20
08 01 52 61-0007	EA	Removal And Replacement Of Window Balance, Removable Sash Window .....	26.55
		Note: Channel, spiral or coil balance.	
08 01 52 61-0008	EA	Removal And Replacement Of Window Balance, Sash Window, Wooden Stops And/Or Casing .....	82.07
		Note: Channel, spiral or coil balance.	
		<i>For Replacing Two Balances In One Window, Deduct</i>	-30.65

#### 08 01 80 Maintenance of Glazing (08 01)

#### **08 01 81 Maintenance of Glass Glazing (08 01 80)**

#### 08 01 81 00-0001 Glazing Compound Repair (08 01 81)

08 01 81 00-0002	LF	Removal And Replacement Of Up To 1/2" Wide Damaged, Broken Or Cracked Window Glazing .....	5.63
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## 08 05 Common Work Results for Openings (08)

### 08 05 13 Door Options and Modifications (08 05)

Note: Excludes removal and reinstallation of door.

#### 08 05 13 00-0001 Door Vision Panels (Pemko LT-S1) (08 05 13)

Note: Factory primed or powder coated. See CSI section 08 81 00 00-0000 for glazing.

08 05 13 00-0002	EA	For Up To 1 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add .....	118.48
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	59.24
08 05 13 00-0003	EA	For >1 To 2 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add .....	149.98
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	74.99
08 05 13 00-0004	EA	For >2 To 4 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add .....	173.97
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	86.99
08 05 13 00-0005	EA	For >4 To 6 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add .....	221.97
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	110.99
08 05 13 00-0006	EA	For >6 To 8 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add .....	287.96
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	143.98
08 05 13 00-0007	EA	For >8 To 10 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add .....	367.44
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	183.72
08 05 13 00-0008	EA	For >10 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add .....	389.94
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	194.97
08 05 13 00-0009	EA	For Up To 1 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add .....	218.75
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	53.86
08 05 13 00-0010	EA	For >1 To 2 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add .....	258.49
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	68.17
08 05 13 00-0011	EA	For >2 To 4 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add .....	291.41
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	79.08
08 05 13 00-0012	EA	For >4 To 6 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add .....	346.14
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	100.90
08 05 13 00-0013	EA	For >6 To 8 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add .....	417.24
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	130.89
08 05 13 00-0014	EA	For >8 To 10 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add .....	500.60
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	167.02
08 05 13 00-0015	EA	For >10 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add .....	532.16
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	177.25

#### 08 05 13 00-0016 Door Louvers, Inverted "Y" 50% Free Air (Pemko LV-IY) (08 05 13)

Note: Factory primed or powder coated.

**08 Openings****08 05 Common Work Results for Openings****08 05 13 Door Options and Modifications**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 05 13 00-0017	EA	For Up To 1 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	113.45
08 05 13 00-0018	EA	For >1 To 2 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	128.89
08 05 13 00-0019	EA	For >2 To 4 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	175.21
08 05 13 00-0020	EA	For >4 To 6 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	326.72
08 05 13 00-0021	EA	For >6 To 8 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	404.08
08 05 13 00-0022	EA	For >8 To 10 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	482.69
08 05 13 00-0023	EA	For >10 To 14 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	629.92
08 05 13 00-0024	EA	For >14 To 18 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	741.54
		<i>For 18 Gauge Louver And 18 Gauge Frame, Add</i>	<i>88.98</i>
08 05 13 00-0025	EA	For Up To 1 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	196.73
08 05 13 00-0026	EA	For >1 To 2 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	220.49
08 05 13 00-0027	EA	For >2 To 4 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	275.15
08 05 13 00-0028	EA	For >4 To 6 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	434.99
08 05 13 00-0029	EA	For >6 To 8 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	520.68
08 05 13 00-0030	EA	For >8 To 10 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	607.61
08 05 13 00-0031	EA	For >10 To 14 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	763.17
08 05 13 00-0032	EA	For >14 To 18 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	880.34
		<i>For 18 Gauge Louver And 18 Gauge Frame, Add</i>	<i>88.98</i>
<b>08 05 13 00-0033</b>		<b>Fire Rated Fusible Link Louvers (Pemko LV-FL) (08 05 13)</b>	
		Note: Factory primed or powder coated.	
08 05 13 00-0034	EA	For Up To 1 SF, Factory Installed 16 Gauge Galvannealed Adjustable "Z" Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add.....	229.83
08 05 13 00-0035	EA	For >1 To 2 SF, Factory Installed 16 Gauge Galvannealed Adjustable "Z" Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add.....	263.01
08 05 13 00-0036	EA	For >2 To 4 SF, Factory Installed 16 Gauge Galvannealed Adjustable "Z" Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add.....	308.95
08 05 13 00-0037	EA	For Up To 1 SF, Site Installed 16 Gauge Galvannealed Adjustable "Z" Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add.....	329.77
08 05 13 00-0038	EA	For >1 To 2 SF, Site Installed 16 Gauge Galvannealed Adjustable "Z" Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add.....	374.05
08 05 13 00-0039	EA	For >2 To 4 SF, Site Installed 16 Gauge Galvannealed Adjustable "Z" Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add.....	428.87
<b>08 05 13 00-0040</b>		<b>Door Hardware Preparation (08 05 13)</b>	
08 05 13 00-0041	EA	Factory Prepare Wood Door (Rated Or Non-Rated) For Mortise Lockset Hardware .....	83.24
08 05 13 00-0042	EA	Prepare Existing Wood Door (Rated) For Mortise Lockset Hardware.....	205.34
		Note: Requires door to be taken off site for UL certification.	
08 05 13 00-0043	EA	Prepare Existing Wood Door (Non-Rated) For Mortise Lockset Hardware .....	94.34
08 05 13 00-0044	EA	Prepare Existing Wood Door (Rated) For Cylindrical Lockset Hardware .....	166.50
		Note: Requires door to be taken off site for UL certification.	
08 05 13 00-0045	EA	Prepare Existing Wood Door (Non-Rated) For Cylindrical Lockset Hardware .....	27.75
08 05 13 00-0046	EA	Prepare Existing Wood Door (Rated) For Concealed Vertical Rod.....	305.27
		Note: Requires door to be taken off site for UL certification.	
08 05 13 00-0047	EA	Prepare Existing Wood Door (Non-Rated) For Concealed Vertical Rod .....	194.23
08 05 13 00-0048	EA	Prepare Existing Wood Door (Rated) For Electric Hardware .....	205.34
		Note: Requires door to be taken off site for UL certification.	
08 05 13 00-0049	EA	Prepare Existing Door (Non-Rated) For Electric Hardware.....	94.34
<b>08 05 13 00-0050</b>		<b>Door Modifications (08 05 13)</b>	
08 05 13 00-0051	EA	Factory Installed Sound Proofing (STC 28) In Metal Door .....	198.17
08 05 13 00-0052	SF	For 16 Gauge Steel Metal Plate Bolted On Door .....	34.79
		Note: Includes mounting hardware.	
08 05 13 00-0053	EA	Trim Bottom Of Existing Steel Door For Installation Of Carpet Or Tile.....	99.94
		Note: Excludes removal and reinstallation of door.	
08 05 13 00-0054	EA	Trim Bottom Of Existing Wood Door For Installation Of Carpet Or Tile .....	50.31
		Note: Excludes removal and reinstallation of door.	
08 05 13 00-0055	EA	Modify Metal Door Frame For Door Swing.....	1,203.23
		Note: Includes removal of door; install blank hinge plates, new continuous hinge, blank strike plate, new strike plate and reinstallation of door.	
08 05 13 00-0056	EA	Removal And Reinstallation Of Door .....	94.38
08 05 13 00-0057	EA	Removal And Reinstallation Of Metal Door Frame .....	185.07
08 05 13 00-0058	EA	Removal And Reinstallation Of Wood Door Frame.....	111.81
08 05 13 00-0059	EA	For Factory Installed Fire Bottom Seal In Wood Door, Add .....	121.20
08 05 13 00-0060	EA	For Factory Installed Fire Bottom Seal In Steel Door, Add .....	143.56
08 05 13 00-0061	EA	Factory Trim Wood Door Edge For Custom Width.....	72.68



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 08 10 Doors and Frames (08)

### 08 11 Metal Doors and Frames (08 10)

#### 08 11 63 Metal Screen and Storm Doors and Frames (08 11)

##### 08 11 63 13 Steel Screen and Storm Doors and Frames (08 11 63)

##### 08 11 63 13-0001 Steel Screen Door (08 11 63 13)

Note: Includes frame, trim, necessary anchors and hardware (closures, chain and spring, latching, screens, etc.).

08 11 63 13-0002	EA	2'-8" x 7', Residential, Steel Screen Door With Frame, Trim, Hardware .....	1,255.14	152.68
08 11 63 13-0003	EA	3' x 7' Steel Screen Door, Residential, With Frame, Trim, Hardware .....	1,266.29	158.24
08 11 63 13-0004	EA	Steel Combination Type Residential Storm Door, With Mesh And Tempered Glass With Frame, Trim, Hardware .....	1,087.50	158.24

##### 08 11 63 23 Aluminum Screen and Storm Doors and Frames (08 11 63)

##### 08 11 63 23-0001 Aluminum Combination Type With Tempered Glass At Top And Bottom (08 11 63 23)

Note: Includes frame trim, necessary anchors and usual hardware (closures, chain and spring, latching, screens, etc.).

08 11 63 23-0002	EA	Aluminum Combination Type Residential Storm Door, Tempered Glass Top With Frame, Trim, Hardware .....	735.62	88.84
		<i>For Special Finished, Add</i>	61.62	
08 11 63 23-0003	EA	Aluminum Combination Type Residential Storm Door, Tempered Glass Top And Bottom With Frame, Trim, Hardware .....	770.26	88.84
08 11 63 23-0004	EA	Aluminum Screen Door .....	275.65	55.50
08 11 63 23-0005	SF	Repair Screen Door .....	9.04	

##### 08 11 73 Sliding Metal Fire Doors (08 11)

##### 08 11 73 00-0001 Motor Operated Fire Door (08 11 73)

Note: With fusible link, 3 hour rating. Excludes electrical hook-up of motor.

08 11 73 00-0002	EA	3' x 6' 8" Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating .....	5,110.75	508.37
08 11 73 00-0003	EA	3' 8" x 6' 8" Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating .....	5,592.31	508.37
08 11 73 00-0004	EA	4' x 8' Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating .....	6,410.98	508.37
08 11 73 00-0005	EA	5' x 8' Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating .....	7,287.48	508.37

## 08 12 Metal Frames (08 10)

Note: Includes perimeter caulk, sealant (as required), anchors and silencers.

### 08 12 13 Hollow Metal Frames (08 12)

#### 08 12 13 13 Standard Hollow Metal Frames (08 12 13)

Note: Shop prime coat. See CSI section 04 05 16 26-0017 for grouting frames.

##### 08 12 13 13-0001 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13)

Note: For non-rated or fire rated frame assemblies

##### 08 12 13 13-0002 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13-0001)

08 12 13 13-0003	EA	2' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	325.25	83.28
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	23.80	
		<i>For Welded Frames, Add</i>	92.51	
		<i>For Galvanized Frames, Add</i>	19.04	
		<i>For Type 304 Stainless Steel Frame, Add</i>	293.97	
		<i>For Type 316 Stainless Steel Frame, Add</i>	341.58	
		<i>For Baked Enamel Finish, Add</i>	72.59	
		<i>For 18 Gauge Frame, Deduct</i>	-15.87	
		<i>For 14 Gauge Frame, Add</i>	39.67	
		<i>For 12 Gauge Frame, Add</i>	60.30	
08 12 13 13-0004	EA	2'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	372.14	91.60
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	28.34	
		<i>For Welded Frames, Add</i>	92.51	
		<i>For Galvanized Frames, Add</i>	22.67	
		<i>For Type 304 Stainless Steel Frame, Add</i>	349.22	
		<i>For Type 316 Stainless Steel Frame, Add</i>	405.89	
		<i>For Baked Enamel Finish, Add</i>	84.16	
		<i>For 18 Gauge Frame, Deduct</i>	-18.89	
		<i>For 14 Gauge Frame, Add</i>	47.23	
		<i>For 12 Gauge Frame, Add</i>	71.79	
08 12 13 13-0005	EA	2'-6" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	386.28	97.16
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	28.79	
		<i>For Welded Frames, Add</i>	92.51	
		<i>For Galvanized Frames, Add</i>	23.03	
		<i>For Type 304 Stainless Steel Frame, Add</i>	355.23	
		<i>For Type 316 Stainless Steel Frame, Add</i>	412.81	
		<i>For Baked Enamel Finish, Add</i>	86.73	
		<i>For 18 Gauge Frame, Deduct</i>	-19.20	
		<i>For 14 Gauge Frame, Add</i>	47.99	
		<i>For 12 Gauge Frame, Add</i>	72.94	

**08 Openings****08 10 Doors and Frames****08 12 Metal Frames**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 12 13 13-0006	EA	2'-8" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	402.93	105.49
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	28.79	
		<i>For Welded Frames, Add</i>	92.51	
		<i>For Galvanized Frames, Add</i>	23.03	
		<i>For Type 304 Stainless Steel Frame, Add</i>	356.06	
		<i>For Type 316 Stainless Steel Frame, Add</i>	413.64	
		<i>For Baked Enamel Finish, Add</i>	89.23	
		<i>For 18 Gauge Frame, Deduct</i>	-19.20	
		<i>For 14 Gauge Frame, Add</i>	47.99	
		<i>For 12 Gauge Frame, Add</i>	72.94	
08 12 13 13-0007	EA	2'-10" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	411.50	108.27
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	29.25	
		<i>For Welded Frames, Add</i>	92.51	
		<i>For Galvanized Frames, Add</i>	23.40	
		<i>For Type 304 Stainless Steel Frame, Add</i>	361.77	
		<i>For Type 316 Stainless Steel Frame, Add</i>	420.26	
		<i>For Baked Enamel Finish, Add</i>	90.97	
		<i>For 18 Gauge Frame, Deduct</i>	-19.50	
		<i>For 14 Gauge Frame, Add</i>	48.74	
		<i>For 12 Gauge Frame, Add</i>	74.09	
08 12 13 13-0008	EA	3' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	420.07	111.04
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	29.70	
		<i>For Welded Frames, Add</i>	92.51	
		<i>For Galvanized Frames, Add</i>	23.76	
		<i>For Type 304 Stainless Steel Frame, Add</i>	367.49	
		<i>For Type 316 Stainless Steel Frame, Add</i>	426.88	
		<i>For Baked Enamel Finish, Add</i>	92.71	
		<i>For 18 Gauge Frame, Deduct</i>	-19.80	
		<i>For 14 Gauge Frame, Add</i>	49.50	
		<i>For 12 Gauge Frame, Add</i>	75.24	
08 12 13 13-0009	EA	3'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	444.77	116.60
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	31.74	
		<i>For Welded Frames, Add</i>	92.51	
		<i>For Galvanized Frames, Add</i>	25.39	
		<i>For Type 304 Stainless Steel Frame, Add</i>	392.52	
		<i>For Type 316 Stainless Steel Frame, Add</i>	456.00	
		<i>For Baked Enamel Finish, Add</i>	98.45	
		<i>For 18 Gauge Frame, Deduct</i>	-21.16	
		<i>For 14 Gauge Frame, Add</i>	52.90	
		<i>For 12 Gauge Frame, Add</i>	80.40	
08 12 13 13-0010	EA	3'-6" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	455.88	122.15
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	31.74	
		<i>For Welded Frames, Add</i>	92.51	
		<i>For Galvanized Frames, Add</i>	25.39	
		<i>For Type 304 Stainless Steel Frame, Add</i>	393.08	
		<i>For Type 316 Stainless Steel Frame, Add</i>	456.55	
		<i>For Baked Enamel Finish, Add</i>	100.12	
		<i>For 18 Gauge Frame, Deduct</i>	-21.16	
		<i>For 14 Gauge Frame, Add</i>	52.90	
		<i>For 12 Gauge Frame, Add</i>	80.40	
08 12 13 13-0011	EA	4' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	474.55	127.69
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	32.87	
		<i>For Welded Frames, Add</i>	92.51	
		<i>For Galvanized Frames, Add</i>	26.30	
		<i>For Type 304 Stainless Steel Frame, Add</i>	407.24	
		<i>For Type 316 Stainless Steel Frame, Add</i>	472.99	
		<i>For Baked Enamel Finish, Add</i>	104.06	
		<i>For 18 Gauge Frame, Deduct</i>	-21.92	
		<i>For 14 Gauge Frame, Add</i>	54.79	
		<i>For 12 Gauge Frame, Add</i>	83.28	
08 12 13 13-0012	EA	5' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	493.21	133.25
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	34.01	
		<i>For Welded Frames, Add</i>	92.51	
		<i>For Galvanized Frames, Add</i>	27.21	
		<i>For Type 304 Stainless Steel Frame, Add</i>	421.40	
		<i>For Type 316 Stainless Steel Frame, Add</i>	489.42	
		<i>For Baked Enamel Finish, Add</i>	107.99	
		<i>For 18 Gauge Frame, Deduct</i>	-22.67	
		<i>For 14 Gauge Frame, Add</i>	56.68	
		<i>For 12 Gauge Frame, Add</i>	86.15	
08 12 13 13-0013	EA	5'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	504.31	138.80
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	34.01	
		<i>For Welded Frames, Add</i>	92.51	
		<i>For Galvanized Frames, Add</i>	27.21	
		<i>For Type 304 Stainless Steel Frame, Add</i>	421.96	
		<i>For Type 316 Stainless Steel Frame, Add</i>	489.97	
		<i>For Baked Enamel Finish, Add</i>	109.65	
		<i>For 18 Gauge Frame, Deduct</i>	-22.67	
		<i>For 14 Gauge Frame, Add</i>	56.68	
		<i>For 12 Gauge Frame, Add</i>	86.15	
08 12 13 13-0014	EA	5'-8" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	513.64	141.58
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	34.57	
		<i>For Welded Frames, Add</i>	92.51	
		<i>For Galvanized Frames, Add</i>	27.66	
		<i>For Type 304 Stainless Steel Frame, Add</i>	429.04	
		<i>For Type 316 Stainless Steel Frame, Add</i>	498.19	
		<i>For Baked Enamel Finish, Add</i>	111.62	
		<i>For 18 Gauge Frame, Deduct</i>	-23.05	
		<i>For 14 Gauge Frame, Add</i>	57.62	
		<i>For 12 Gauge Frame, Add</i>	87.59	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 12 13 13-0015	EA		6' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	522.97	144.35
			For Auxiliary Frame Reinforcement For Hinges, Add	35.14	
			For Welded Frames, Add	92.51	
			For Galvanized Frames, Add	28.11	
			For Type 304 Stainless Steel Frame, Add	436.10	
			For Type 316 Stainless Steel Frame, Add	506.38	
			For Baked Enamel Finish, Add	113.58	
			For 18 Gauge Frame, Deduct	-23.43	
			For 14 Gauge Frame, Add	58.57	
			For 12 Gauge Frame, Add	89.02	
08 12 13 13-0016	EA		7' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	543.64	147.13
			For Auxiliary Frame Reinforcement For Hinges, Add	37.41	
			For Welded Frames, Add	92.51	
			For Galvanized Frames, Add	29.93	
			For Type 304 Stainless Steel Frame, Add	463.60	
			For Type 316 Stainless Steel Frame, Add	538.41	
			For Baked Enamel Finish, Add	118.95	
			For 18 Gauge Frame, Deduct	-24.94	
			For 14 Gauge Frame, Add	62.35	
			For 12 Gauge Frame, Add	94.76	
08 12 13 13-0017	EA		8' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	564.31	149.91
			For Auxiliary Frame Reinforcement For Hinges, Add	39.67	
			For Welded Frames, Add	92.51	
			For Galvanized Frames, Add	31.74	
			For Type 304 Stainless Steel Frame, Add	491.07	
			For Type 316 Stainless Steel Frame, Add	570.42	
			For Baked Enamel Finish, Add	124.32	
			For 18 Gauge Frame, Deduct	-26.45	
			For 14 Gauge Frame, Add	66.12	
			For 12 Gauge Frame, Add	100.51	

**08 12 13 13-0018 >7'-2" Through 9'-0" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames** (08 12 13 13-0001)

08 12 13 13-0019	EA		2' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	342.89	83.28
			For Auxiliary Frame Reinforcement For Hinges, Add	26.45	
			For Welded Frames, Add	92.51	
			For Galvanized Frames, Add	21.16	
			For Type 304 Stainless Steel Frame, Add	325.72	
			For Type 316 Stainless Steel Frame, Add	378.62	
			For Baked Enamel Finish, Add	77.88	
			For 18 Gauge Frame, Deduct	-17.63	
			For 14 Gauge Frame, Add	44.08	
			For 12 Gauge Frame, Add	67.01	
08 12 13 13-0020	EA		2'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	393.13	91.60
			For Auxiliary Frame Reinforcement For Hinges, Add	31.49	
			For Welded Frames, Add	92.51	
			For Galvanized Frames, Add	25.19	
			For Type 304 Stainless Steel Frame, Add	387.00	
			For Type 316 Stainless Steel Frame, Add	449.97	
			For Baked Enamel Finish, Add	90.46	
			For 18 Gauge Frame, Deduct	-20.99	
			For 14 Gauge Frame, Add	52.48	
			For 12 Gauge Frame, Add	79.77	
08 12 13 13-0021	EA		2'-6" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	407.60	97.16
			For Auxiliary Frame Reinforcement For Hinges, Add	31.99	
			For Welded Frames, Add	92.51	
			For Galvanized Frames, Add	25.59	
			For Type 304 Stainless Steel Frame, Add	393.60	
			For Type 316 Stainless Steel Frame, Add	457.58	
			For Baked Enamel Finish, Add	93.13	
			For 18 Gauge Frame, Deduct	-21.33	
			For 14 Gauge Frame, Add	53.32	
			For 12 Gauge Frame, Add	81.04	
08 12 13 13-0022	EA		2'-8" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	424.25	105.49
			For Auxiliary Frame Reinforcement For Hinges, Add	31.99	
			For Welded Frames, Add	92.51	
			For Galvanized Frames, Add	25.59	
			For Type 304 Stainless Steel Frame, Add	394.44	
			For Type 316 Stainless Steel Frame, Add	458.42	
			For Baked Enamel Finish, Add	95.63	
			For 18 Gauge Frame, Deduct	-21.33	
			For 14 Gauge Frame, Add	53.32	
			For 12 Gauge Frame, Add	81.04	
08 12 13 13-0023	EA		2'-10" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	433.16	108.27
			For Auxiliary Frame Reinforcement For Hinges, Add	32.49	
			For Welded Frames, Add	92.51	
			For Galvanized Frames, Add	26.00	
			For Type 304 Stainless Steel Frame, Add	400.76	
			For Type 316 Stainless Steel Frame, Add	465.75	
			For Baked Enamel Finish, Add	97.47	
			For 18 Gauge Frame, Deduct	-21.66	
			For 14 Gauge Frame, Add	54.16	
			For 12 Gauge Frame, Add	82.32	

**08 Openings****08 10 Doors and Frames****08 12 Metal Frames**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 12 13 13-0024	EA	3' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	442.07	111.04
		For Auxiliary Frame Reinforcement For Hinges, Add	33.00	
		For Welded Frames, Add	92.51	
		For Galvanized Frames, Add	26.40	
		For Type 304 Stainless Steel Frame, Add	407.09	
		For Type 316 Stainless Steel Frame, Add	473.08	
		For Baked Enamel Finish, Add	99.31	
		For 18 Gauge Frame, Deduct	-22.00	
		For 14 Gauge Frame, Add	55.00	
		For 12 Gauge Frame, Add	83.60	
08 12 13 13-0025	EA	3'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	468.28	116.60
		For Auxiliary Frame Reinforcement For Hinges, Add	35.27	
		For Welded Frames, Add	92.51	
		For Galvanized Frames, Add	28.21	
		For Type 304 Stainless Steel Frame, Add	434.84	
		For Type 316 Stainless Steel Frame, Add	505.37	
		For Baked Enamel Finish, Add	105.51	
		For 18 Gauge Frame, Deduct	-23.51	
		For 14 Gauge Frame, Add	58.78	
		For 12 Gauge Frame, Add	89.34	
08 12 13 13-0026	EA	3'-6" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	479.39	122.15
		For Auxiliary Frame Reinforcement For Hinges, Add	35.27	
		For Welded Frames, Add	92.51	
		For Galvanized Frames, Add	28.21	
		For Type 304 Stainless Steel Frame, Add	435.39	
		For Type 316 Stainless Steel Frame, Add	505.92	
		For Baked Enamel Finish, Add	107.17	
		For 18 Gauge Frame, Deduct	-23.51	
		For 14 Gauge Frame, Add	58.78	
		For 12 Gauge Frame, Add	89.34	
08 12 13 13-0027	EA	4' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	498.90	127.69
		For Auxiliary Frame Reinforcement For Hinges, Add	36.53	
		For Welded Frames, Add	92.51	
		For Galvanized Frames, Add	29.22	
		For Type 304 Stainless Steel Frame, Add	451.07	
		For Type 316 Stainless Steel Frame, Add	524.12	
		For Baked Enamel Finish, Add	111.36	
		For 18 Gauge Frame, Deduct	-24.35	
		For 14 Gauge Frame, Add	60.88	
		For 12 Gauge Frame, Add	92.53	
08 12 13 13-0028	EA	5' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	518.40	133.25
		For Auxiliary Frame Reinforcement For Hinges, Add	37.79	
		For Welded Frames, Add	92.51	
		For Galvanized Frames, Add	30.23	
		For Type 304 Stainless Steel Frame, Add	466.75	
		For Type 316 Stainless Steel Frame, Add	542.32	
		For Baked Enamel Finish, Add	115.55	
		For 18 Gauge Frame, Deduct	-25.19	
		For 14 Gauge Frame, Add	62.98	
		For 12 Gauge Frame, Add	95.72	
08 12 13 13-0029	EA	5'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	529.50	138.80
		For Auxiliary Frame Reinforcement For Hinges, Add	37.79	
		For Welded Frames, Add	92.51	
		For Galvanized Frames, Add	30.23	
		For Type 304 Stainless Steel Frame, Add	467.30	
		For Type 316 Stainless Steel Frame, Add	542.87	
		For Baked Enamel Finish, Add	117.21	
		For 18 Gauge Frame, Deduct	-25.19	
		For 14 Gauge Frame, Add	62.98	
		For 12 Gauge Frame, Add	95.72	
08 12 13 13-0030	EA	5'-8" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	539.24	141.58
		For Auxiliary Frame Reinforcement For Hinges, Add	38.41	
		For Welded Frames, Add	92.51	
		For Galvanized Frames, Add	30.73	
		For Type 304 Stainless Steel Frame, Add	475.12	
		For Type 316 Stainless Steel Frame, Add	551.95	
		For Baked Enamel Finish, Add	119.30	
		For 18 Gauge Frame, Deduct	-25.61	
		For 14 Gauge Frame, Add	64.02	
		For 12 Gauge Frame, Add	97.31	
08 12 13 13-0031	EA	6' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	549.00	144.35
		For Auxiliary Frame Reinforcement For Hinges, Add	39.04	
		For Welded Frames, Add	92.51	
		For Galvanized Frames, Add	31.23	
		For Type 304 Stainless Steel Frame, Add	482.96	
		For Type 316 Stainless Steel Frame, Add	561.04	
		For Baked Enamel Finish, Add	121.39	
		For 18 Gauge Frame, Deduct	-26.03	
		For 14 Gauge Frame, Add	65.07	
		For 12 Gauge Frame, Add	98.91	
08 12 13 13-0032	EA	7' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	571.35	147.13
		For Auxiliary Frame Reinforcement For Hinges, Add	41.56	
		For Welded Frames, Add	92.51	
		For Galvanized Frames, Add	33.25	
		For Type 304 Stainless Steel Frame, Add	513.48	
		For Type 316 Stainless Steel Frame, Add	596.60	
		For Baked Enamel Finish, Add	127.27	
		For 18 Gauge Frame, Deduct	-27.71	
		For 14 Gauge Frame, Add	69.27	
		For 12 Gauge Frame, Add	105.29	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 12 13 13-0033	EA		8' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	593.70	149.91
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	44.08	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	35.27	
			<i>For Type 304 Stainless Steel Frame, Add</i>	543.98	
			<i>For Type 316 Stainless Steel Frame, Add</i>	632.14	
			<i>For Baked Enamel Finish, Add</i>	133.14	
			<i>For 18 Gauge Frame, Deduct</i>	-29.39	
			<i>For 14 Gauge Frame, Add</i>	73.47	
			<i>For 12 Gauge Frame, Add</i>	111.67	
08 12 13 13-0034			5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13)		
			Note: For non-rated or fire rated frame assemblies		
08 12 13 13-0035			6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13-0034)		
08 12 13 13-0036	EA		2' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	342.89	83.28
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	26.45	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	21.16	
			<i>For Type 304 Stainless Steel Frame, Add</i>	325.72	
			<i>For Type 316 Stainless Steel Frame, Add</i>	378.62	
			<i>For Baked Enamel Finish, Add</i>	77.88	
			<i>For 18 Gauge Frame, Deduct</i>	-17.63	
			<i>For 14 Gauge Frame, Add</i>	44.08	
			<i>For 12 Gauge Frame, Add</i>	67.01	
08 12 13 13-0037	EA		2'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	393.13	91.60
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	31.49	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	25.19	
			<i>For Type 304 Stainless Steel Frame, Add</i>	387.00	
			<i>For Type 316 Stainless Steel Frame, Add</i>	449.97	
			<i>For Baked Enamel Finish, Add</i>	90.46	
			<i>For 18 Gauge Frame, Deduct</i>	-20.99	
			<i>For 14 Gauge Frame, Add</i>	52.48	
			<i>For 12 Gauge Frame, Add</i>	79.77	
08 12 13 13-0038	EA		2'-6" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	407.60	97.16
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	31.99	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	25.59	
			<i>For Type 304 Stainless Steel Frame, Add</i>	393.60	
			<i>For Type 316 Stainless Steel Frame, Add</i>	457.58	
			<i>For Baked Enamel Finish, Add</i>	93.13	
			<i>For 18 Gauge Frame, Deduct</i>	-21.33	
			<i>For 14 Gauge Frame, Add</i>	53.32	
			<i>For 12 Gauge Frame, Add</i>	81.04	
08 12 13 13-0039	EA		2'-8" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	424.25	105.49
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	31.99	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	25.59	
			<i>For Type 304 Stainless Steel Frame, Add</i>	394.44	
			<i>For Type 316 Stainless Steel Frame, Add</i>	458.42	
			<i>For Baked Enamel Finish, Add</i>	95.63	
			<i>For 18 Gauge Frame, Deduct</i>	-21.33	
			<i>For 14 Gauge Frame, Add</i>	53.32	
			<i>For 12 Gauge Frame, Add</i>	81.04	
08 12 13 13-0040	EA		2'-10" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	433.16	108.27
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	32.49	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	26.00	
			<i>For Type 304 Stainless Steel Frame, Add</i>	400.76	
			<i>For Type 316 Stainless Steel Frame, Add</i>	465.75	
			<i>For Baked Enamel Finish, Add</i>	97.47	
			<i>For 18 Gauge Frame, Deduct</i>	-21.66	
			<i>For 14 Gauge Frame, Add</i>	54.16	
			<i>For 12 Gauge Frame, Add</i>	82.32	
08 12 13 13-0041	EA		3' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	442.07	111.04
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	33.00	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	26.40	
			<i>For Type 304 Stainless Steel Frame, Add</i>	407.09	
			<i>For Type 316 Stainless Steel Frame, Add</i>	473.08	
			<i>For Baked Enamel Finish, Add</i>	99.31	
			<i>For 18 Gauge Frame, Deduct</i>	-22.00	
			<i>For 14 Gauge Frame, Add</i>	55.00	
			<i>For 12 Gauge Frame, Add</i>	83.60	
08 12 13 13-0042	EA		3'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	468.28	116.60
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	35.27	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	28.21	
			<i>For Type 304 Stainless Steel Frame, Add</i>	434.84	
			<i>For Type 316 Stainless Steel Frame, Add</i>	505.37	
			<i>For Baked Enamel Finish, Add</i>	105.51	
			<i>For 18 Gauge Frame, Deduct</i>	-23.51	
			<i>For 14 Gauge Frame, Add</i>	58.78	
			<i>For 12 Gauge Frame, Add</i>	89.34	

**08 Openings****08 10 Doors and Frames****08 12 Metal Frames**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 12 13 13-0043	EA	3'-6" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	479.39	122.15
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	35.27	
		<i>For Welded Frames, Add</i>	92.51	
		<i>For Galvanized Frames, Add</i>	28.21	
		<i>For Type 304 Stainless Steel Frame, Add</i>	435.39	
		<i>For Type 316 Stainless Steel Frame, Add</i>	505.92	
		<i>For Baked Enamel Finish, Add</i>	107.17	
		<i>For 18 Gauge Frame, Deduct</i>	-23.51	
		<i>For 14 Gauge Frame, Add</i>	58.78	
		<i>For 12 Gauge Frame, Add</i>	89.34	
08 12 13 13-0044	EA	4' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	498.90	127.69
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	36.53	
		<i>For Welded Frames, Add</i>	92.51	
		<i>For Galvanized Frames, Add</i>	29.22	
		<i>For Type 304 Stainless Steel Frame, Add</i>	451.07	
		<i>For Type 316 Stainless Steel Frame, Add</i>	524.12	
		<i>For Baked Enamel Finish, Add</i>	111.36	
		<i>For 18 Gauge Frame, Deduct</i>	-24.35	
		<i>For 14 Gauge Frame, Add</i>	60.88	
		<i>For 12 Gauge Frame, Add</i>	92.53	
08 12 13 13-0045	EA	5' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	518.40	133.25
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	37.79	
		<i>For Welded Frames, Add</i>	92.51	
		<i>For Galvanized Frames, Add</i>	30.23	
		<i>For Type 304 Stainless Steel Frame, Add</i>	466.75	
		<i>For Type 316 Stainless Steel Frame, Add</i>	542.32	
		<i>For Baked Enamel Finish, Add</i>	115.55	
		<i>For 18 Gauge Frame, Deduct</i>	-25.19	
		<i>For 14 Gauge Frame, Add</i>	62.98	
		<i>For 12 Gauge Frame, Add</i>	95.72	
08 12 13 13-0046	EA	5'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	529.50	138.80
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	37.79	
		<i>For Welded Frames, Add</i>	92.51	
		<i>For Galvanized Frames, Add</i>	30.23	
		<i>For Type 304 Stainless Steel Frame, Add</i>	467.30	
		<i>For Type 316 Stainless Steel Frame, Add</i>	542.87	
		<i>For Baked Enamel Finish, Add</i>	117.21	
		<i>For 18 Gauge Frame, Deduct</i>	-25.19	
		<i>For 14 Gauge Frame, Add</i>	62.98	
		<i>For 12 Gauge Frame, Add</i>	95.72	
08 12 13 13-0047	EA	5'-8" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	539.24	141.58
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	38.41	
		<i>For Welded Frames, Add</i>	92.51	
		<i>For Galvanized Frames, Add</i>	30.73	
		<i>For Type 304 Stainless Steel Frame, Add</i>	475.12	
		<i>For Type 316 Stainless Steel Frame, Add</i>	551.95	
		<i>For Baked Enamel Finish, Add</i>	119.30	
		<i>For 18 Gauge Frame, Deduct</i>	-25.61	
		<i>For 14 Gauge Frame, Add</i>	64.02	
		<i>For 12 Gauge Frame, Add</i>	97.31	
08 12 13 13-0048	EA	6' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	549.00	144.35
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	39.04	
		<i>For Welded Frames, Add</i>	92.51	
		<i>For Galvanized Frames, Add</i>	31.23	
		<i>For Type 304 Stainless Steel Frame, Add</i>	482.96	
		<i>For Type 316 Stainless Steel Frame, Add</i>	561.04	
		<i>For Baked Enamel Finish, Add</i>	121.39	
		<i>For 18 Gauge Frame, Deduct</i>	-26.03	
		<i>For 14 Gauge Frame, Add</i>	65.07	
		<i>For 12 Gauge Frame, Add</i>	98.91	
08 12 13 13-0049	EA	7' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	571.35	147.13
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	41.56	
		<i>For Welded Frames, Add</i>	92.51	
		<i>For Galvanized Frames, Add</i>	33.25	
		<i>For Type 304 Stainless Steel Frame, Add</i>	513.48	
		<i>For Type 316 Stainless Steel Frame, Add</i>	596.60	
		<i>For Baked Enamel Finish, Add</i>	127.27	
		<i>For 18 Gauge Frame, Deduct</i>	-27.71	
		<i>For 14 Gauge Frame, Add</i>	69.27	
		<i>For 12 Gauge Frame, Add</i>	105.29	
08 12 13 13-0050	EA	8' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	593.70	149.91
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	44.08	
		<i>For Welded Frames, Add</i>	92.51	
		<i>For Galvanized Frames, Add</i>	35.27	
		<i>For Type 304 Stainless Steel Frame, Add</i>	543.98	
		<i>For Type 316 Stainless Steel Frame, Add</i>	632.14	
		<i>For Baked Enamel Finish, Add</i>	133.14	
		<i>For 18 Gauge Frame, Deduct</i>	-29.39	
		<i>For 14 Gauge Frame, Add</i>	73.47	
		<i>For 12 Gauge Frame, Add</i>	111.67	

08 12 13 13-0051 >7'-2" Through 9'-0" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames

(08 12 13 13-0034)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0052	EA	2' x >7'-2"	Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	362.48	83.28
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	29.39	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	23.51	
			<i>For Type 304 Stainless Steel Frame, Add</i>	360.98	
			<i>For Type 316 Stainless Steel Frame, Add</i>	419.76	
			<i>For Baked Enamel Finish, Add</i>	83.76	
			<i>For 18 Gauge Frame, Deduct</i>	-19.59	
			<i>For 14 Gauge Frame, Add</i>	48.98	
			<i>For 12 Gauge Frame, Add</i>	74.45	
08 12 13 13-0053	EA	2'-4" x >7'-2"	Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	416.46	91.60
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	34.99	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	27.99	
			<i>For Type 304 Stainless Steel Frame, Add</i>	428.99	
			<i>For Type 316 Stainless Steel Frame, Add</i>	498.97	
			<i>For Baked Enamel Finish, Add</i>	97.46	
			<i>For 18 Gauge Frame, Deduct</i>	-23.32	
			<i>For 14 Gauge Frame, Add</i>	58.31	
			<i>For 12 Gauge Frame, Add</i>	88.63	
08 12 13 13-0054	EA	2'-6" x >7'-2"	Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	431.30	97.16
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	35.55	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	28.44	
			<i>For Type 304 Stainless Steel Frame, Add</i>	436.26	
			<i>For Type 316 Stainless Steel Frame, Add</i>	507.35	
			<i>For Baked Enamel Finish, Add</i>	100.24	
			<i>For 18 Gauge Frame, Deduct</i>	-23.70	
			<i>For 14 Gauge Frame, Add</i>	59.24	
			<i>For 12 Gauge Frame, Add</i>	90.05	
08 12 13 13-0055	EA	2'-8" x >7'-2"	Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	447.95	105.49
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	35.55	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	28.44	
			<i>For Type 304 Stainless Steel Frame, Add</i>	437.10	
			<i>For Type 316 Stainless Steel Frame, Add</i>	508.19	
			<i>For Baked Enamel Finish, Add</i>	102.74	
			<i>For 18 Gauge Frame, Deduct</i>	-23.70	
			<i>For 14 Gauge Frame, Add</i>	59.24	
			<i>For 12 Gauge Frame, Add</i>	90.05	
08 12 13 13-0056	EA	2'-10" x >7'-2"	Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	457.23	108.27
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	36.11	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	28.88	
			<i>For Type 304 Stainless Steel Frame, Add</i>	444.09	
			<i>For Type 316 Stainless Steel Frame, Add</i>	516.30	
			<i>For Baked Enamel Finish, Add</i>	104.69	
			<i>For 18 Gauge Frame, Deduct</i>	-24.07	
			<i>For 14 Gauge Frame, Add</i>	60.18	
			<i>For 12 Gauge Frame, Add</i>	91.47	
08 12 13 13-0057	EA	3' x >7'-2"	Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	466.51	111.04
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	36.66	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	29.33	
			<i>For Type 304 Stainless Steel Frame, Add</i>	451.08	
			<i>For Type 316 Stainless Steel Frame, Add</i>	524.41	
			<i>For Baked Enamel Finish, Add</i>	106.64	
			<i>For 18 Gauge Frame, Deduct</i>	-24.44	
			<i>For 14 Gauge Frame, Add</i>	61.11	
			<i>For 12 Gauge Frame, Add</i>	92.88	
08 12 13 13-0058	EA	3'-4" x >7'-2"	Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	494.41	116.60
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	39.18	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	31.35	
			<i>For Type 304 Stainless Steel Frame, Add</i>	481.87	
			<i>For Type 316 Stainless Steel Frame, Add</i>	560.24	
			<i>For Baked Enamel Finish, Add</i>	113.35	
			<i>For 18 Gauge Frame, Deduct</i>	-26.12	
			<i>For 14 Gauge Frame, Add</i>	65.31	
			<i>For 12 Gauge Frame, Add</i>	99.27	
08 12 13 13-0059	EA	3'-6" x >7'-2"	Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	505.52	122.15
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	39.18	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	31.35	
			<i>For Type 304 Stainless Steel Frame, Add</i>	482.43	
			<i>For Type 316 Stainless Steel Frame, Add</i>	560.80	
			<i>For Baked Enamel Finish, Add</i>	115.01	
			<i>For 18 Gauge Frame, Deduct</i>	-26.12	
			<i>For 14 Gauge Frame, Add</i>	65.31	
			<i>For 12 Gauge Frame, Add</i>	99.27	
08 12 13 13-0060	EA	4' x >7'-2"	Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	525.96	127.69
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	40.58	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	32.47	
			<i>For Type 304 Stainless Steel Frame, Add</i>	499.78	
			<i>For Type 316 Stainless Steel Frame, Add</i>	580.95	
			<i>For Baked Enamel Finish, Add</i>	119.48	
			<i>For 18 Gauge Frame, Deduct</i>	-27.06	
			<i>For 14 Gauge Frame, Add</i>	67.64	
			<i>For 12 Gauge Frame, Add</i>	102.81	

**08 Openings****08 10 Doors and Frames****08 12 Metal Frames**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 12 13 13-0061	EA	5' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	546.38	133.25
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	41.98	
		<i>For Welded Frames, Add</i>	92.51	
		<i>For Galvanized Frames, Add</i>	33.59	
		<i>For Type 304 Stainless Steel Frame, Add</i>	517.11	
		<i>For Type 316 Stainless Steel Frame, Add</i>	601.07	
		<i>For Baked Enamel Finish, Add</i>	123.94	
		<i>For 18 Gauge Frame, Deduct</i>	-27.99	
		<i>For 14 Gauge Frame, Add</i>	69.97	
		<i>For 12 Gauge Frame, Add</i>	106.35	
08 12 13 13-0062	EA	5'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	557.48	138.80
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	41.98	
		<i>For Welded Frames, Add</i>	92.51	
		<i>For Galvanized Frames, Add</i>	33.59	
		<i>For Type 304 Stainless Steel Frame, Add</i>	517.66	
		<i>For Type 316 Stainless Steel Frame, Add</i>	601.63	
		<i>For Baked Enamel Finish, Add</i>	125.60	
		<i>For 18 Gauge Frame, Deduct</i>	-27.99	
		<i>For 14 Gauge Frame, Add</i>	69.97	
		<i>For 12 Gauge Frame, Add</i>	106.35	
08 12 13 13-0063	EA	5'-8" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	567.70	141.58
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	42.68	
		<i>For Welded Frames, Add</i>	92.51	
		<i>For Galvanized Frames, Add</i>	34.15	
		<i>For Type 304 Stainless Steel Frame, Add</i>	526.35	
		<i>For Type 316 Stainless Steel Frame, Add</i>	611.71	
		<i>For Baked Enamel Finish, Add</i>	127.84	
		<i>For 18 Gauge Frame, Deduct</i>	-28.46	
		<i>For 14 Gauge Frame, Add</i>	71.14	
		<i>For 12 Gauge Frame, Add</i>	108.13	
08 12 13 13-0064	EA	6' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	577.92	144.35
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	43.38	
		<i>For Welded Frames, Add</i>	92.51	
		<i>For Galvanized Frames, Add</i>	34.71	
		<i>For Type 304 Stainless Steel Frame, Add</i>	535.01	
		<i>For Type 316 Stainless Steel Frame, Add</i>	621.78	
		<i>For Baked Enamel Finish, Add</i>	130.07	
		<i>For 18 Gauge Frame, Deduct</i>	-28.92	
		<i>For 14 Gauge Frame, Add</i>	72.30	
		<i>For 12 Gauge Frame, Add</i>	109.90	
08 12 13 13-0065	EA	7' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	602.13	147.13
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	46.18	
		<i>For Welded Frames, Add</i>	92.51	
		<i>For Galvanized Frames, Add</i>	36.94	
		<i>For Type 304 Stainless Steel Frame, Add</i>	568.88	
		<i>For Type 316 Stainless Steel Frame, Add</i>	661.24	
		<i>For Baked Enamel Finish, Add</i>	136.50	
		<i>For 18 Gauge Frame, Deduct</i>	-30.79	
		<i>For 14 Gauge Frame, Add</i>	76.97	
		<i>For 12 Gauge Frame, Add</i>	116.99	
08 12 13 13-0066	EA	8' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	626.35	149.91
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	48.98	
		<i>For Welded Frames, Add</i>	92.51	
		<i>For Galvanized Frames, Add</i>	39.18	
		<i>For Type 304 Stainless Steel Frame, Add</i>	602.75	
		<i>For Type 316 Stainless Steel Frame, Add</i>	700.70	
		<i>For Baked Enamel Finish, Add</i>	142.93	
		<i>For 18 Gauge Frame, Deduct</i>	-32.65	
		<i>For 14 Gauge Frame, Add</i>	81.63	
		<i>For 12 Gauge Frame, Add</i>	124.08	
08 12 13 13-0067		<b>6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames</b> <small>(08 12 13 13)</small>		
		Note: For non-rated or fire rated frame assemblies		
08 12 13 13-0068		<b>6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames</b> <small>(08 12 13 13-0067)</small>		
08 12 13 13-0069	EA	2' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	445.71	83.28
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	41.87	
		<i>For Welded Frames, Add</i>	92.51	
		<i>For Galvanized Frames, Add</i>	33.50	
		<i>For Type 304 Stainless Steel Frame, Add</i>	510.80	
		<i>For Type 316 Stainless Steel Frame, Add</i>	594.54	
		<i>For Baked Enamel Finish, Add</i>	108.73	
		<i>For 18 Gauge Frame, Deduct</i>	-27.92	
		<i>For 14 Gauge Frame, Add</i>	69.79	
		<i>For 12 Gauge Frame, Add</i>	106.08	
08 12 13 13-0070	EA	2'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	515.54	91.60
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	49.85	
		<i>For Welded Frames, Add</i>	92.51	
		<i>For Galvanized Frames, Add</i>	39.88	
		<i>For Type 304 Stainless Steel Frame, Add</i>	607.34	
		<i>For Type 316 Stainless Steel Frame, Add</i>	707.03	
		<i>For Baked Enamel Finish, Add</i>	127.18	
		<i>For 18 Gauge Frame, Deduct</i>	-33.23	
		<i>For 14 Gauge Frame, Add</i>	83.08	
		<i>For 12 Gauge Frame, Add</i>	126.28	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0071	EA		2'-6" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	531.96	97.16
			For Auxiliary Frame Reinforcement For Hinges, Add	50.64	
			For Welded Frames, Add	92.51	
			For Galvanized Frames, Add	40.52	
			For Type 304 Stainless Steel Frame, Add	617.45	
			For Type 316 Stainless Steel Frame, Add	718.74	
			For Baked Enamel Finish, Add	130.44	
			For 18 Gauge Frame, Deduct	-33.76	
			For 14 Gauge Frame, Add	84.41	
			For 12 Gauge Frame, Add	128.30	
08 12 13 13-0072	EA		2'-8" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	548.61	105.49
			For Auxiliary Frame Reinforcement For Hinges, Add	50.64	
			For Welded Frames, Add	92.51	
			For Galvanized Frames, Add	40.52	
			For Type 304 Stainless Steel Frame, Add	618.28	
			For Type 316 Stainless Steel Frame, Add	719.57	
			For Baked Enamel Finish, Add	132.94	
			For 18 Gauge Frame, Deduct	-33.76	
			For 14 Gauge Frame, Add	84.41	
			For 12 Gauge Frame, Add	128.30	
08 12 13 13-0073	EA		2'-10" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	559.48	108.27
			For Auxiliary Frame Reinforcement For Hinges, Add	51.44	
			For Welded Frames, Add	92.51	
			For Galvanized Frames, Add	41.15	
			For Type 304 Stainless Steel Frame, Add	628.14	
			For Type 316 Stainless Steel Frame, Add	731.02	
			For Baked Enamel Finish, Add	135.36	
			For 18 Gauge Frame, Deduct	-34.30	
			For 14 Gauge Frame, Add	85.74	
			For 12 Gauge Frame, Add	130.32	
08 12 13 13-0074	EA		3' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	570.35	111.04
			For Auxiliary Frame Reinforcement For Hinges, Add	52.24	
			For Welded Frames, Add	92.51	
			For Galvanized Frames, Add	41.79	
			For Type 304 Stainless Steel Frame, Add	637.99	
			For Type 316 Stainless Steel Frame, Add	742.47	
			For Baked Enamel Finish, Add	137.79	
			For 18 Gauge Frame, Deduct	-34.83	
			For 14 Gauge Frame, Add	87.07	
			For 12 Gauge Frame, Add	132.34	
08 12 13 13-0075	EA		3'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	605.37	116.60
			For Auxiliary Frame Reinforcement For Hinges, Add	55.83	
			For Welded Frames, Add	92.51	
			For Galvanized Frames, Add	44.66	
			For Type 304 Stainless Steel Frame, Add	681.60	
			For Type 316 Stainless Steel Frame, Add	793.26	
			For Baked Enamel Finish, Add	146.63	
			For 18 Gauge Frame, Deduct	-37.22	
			For 14 Gauge Frame, Add	93.05	
			For 12 Gauge Frame, Add	141.43	
08 12 13 13-0076	EA		3'-6" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	616.48	122.15
			For Auxiliary Frame Reinforcement For Hinges, Add	55.83	
			For Welded Frames, Add	92.51	
			For Galvanized Frames, Add	44.66	
			For Type 304 Stainless Steel Frame, Add	682.16	
			For Type 316 Stainless Steel Frame, Add	793.81	
			For Baked Enamel Finish, Add	148.30	
			For 18 Gauge Frame, Deduct	-37.22	
			For 14 Gauge Frame, Add	93.05	
			For 12 Gauge Frame, Add	141.43	
08 12 13 13-0077	EA		4' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	640.89	127.69
			For Auxiliary Frame Reinforcement For Hinges, Add	57.82	
			For Welded Frames, Add	92.51	
			For Galvanized Frames, Add	46.26	
			For Type 304 Stainless Steel Frame, Add	706.65	
			For Type 316 Stainless Steel Frame, Add	822.30	
			For Baked Enamel Finish, Add	153.96	
			For 18 Gauge Frame, Deduct	-38.55	
			For 14 Gauge Frame, Add	96.37	
			For 12 Gauge Frame, Add	146.49	
08 12 13 13-0078	EA		5' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	665.28	133.25
			For Auxiliary Frame Reinforcement For Hinges, Add	59.82	
			For Welded Frames, Add	92.51	
			For Galvanized Frames, Add	47.85	
			For Type 304 Stainless Steel Frame, Add	731.13	
			For Type 316 Stainless Steel Frame, Add	850.76	
			For Baked Enamel Finish, Add	159.61	
			For 18 Gauge Frame, Deduct	-39.88	
			For 14 Gauge Frame, Add	99.70	
			For 12 Gauge Frame, Add	151.54	
08 12 13 13-0079	EA		5'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	676.38	138.80
			For Auxiliary Frame Reinforcement For Hinges, Add	59.82	
			For Welded Frames, Add	92.51	
			For Galvanized Frames, Add	47.85	
			For Type 304 Stainless Steel Frame, Add	731.68	
			For Type 316 Stainless Steel Frame, Add	851.32	
			For Baked Enamel Finish, Add	161.27	
			For 18 Gauge Frame, Deduct	-39.88	
			For 14 Gauge Frame, Add	99.70	
			For 12 Gauge Frame, Add	151.54	

**08 Openings****08 10 Doors and Frames****08 12 Metal Frames**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 12 13 13-0080	EA	5'-8" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	688.58	141.58
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	60.81	
		<i>For Welded Frames, Add</i>	92.51	
		<i>For Galvanized Frames, Add</i>	48.65	
		<i>For Type 304 Stainless Steel Frame, Add</i>	743.93	
		<i>For Type 316 Stainless Steel Frame, Add</i>	865.56	
		<i>For Baked Enamel Finish, Add</i>	164.10	
		<i>For 18 Gauge Frame, Deduct</i>	-40.54	
		<i>For 14 Gauge Frame, Add</i>	101.36	
		<i>For 12 Gauge Frame, Add</i>	154.06	
08 12 13 13-0081	EA	6' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	700.78	144.35
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	61.81	
		<i>For Welded Frames, Add</i>	92.51	
		<i>For Galvanized Frames, Add</i>	49.45	
		<i>For Type 304 Stainless Steel Frame, Add</i>	756.16	
		<i>For Type 316 Stainless Steel Frame, Add</i>	879.78	
		<i>For Baked Enamel Finish, Add</i>	166.93	
		<i>For 18 Gauge Frame, Deduct</i>	-41.21	
		<i>For 14 Gauge Frame, Add</i>	103.02	
		<i>For 12 Gauge Frame, Add</i>	156.59	
08 12 13 13-0082	EA	7' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	732.91	147.13
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	65.80	
		<i>For Welded Frames, Add</i>	92.51	
		<i>For Galvanized Frames, Add</i>	52.64	
		<i>For Type 304 Stainless Steel Frame, Add</i>	804.28	
		<i>For Type 316 Stainless Steel Frame, Add</i>	935.88	
		<i>For Baked Enamel Finish, Add</i>	175.73	
		<i>For 18 Gauge Frame, Deduct</i>	-43.87	
		<i>For 14 Gauge Frame, Add</i>	109.66	
		<i>For 12 Gauge Frame, Add</i>	166.69	
08 12 13 13-0083	EA	8' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	765.06	149.91
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	69.79	
		<i>For Welded Frames, Add</i>	92.51	
		<i>For Galvanized Frames, Add</i>	55.83	
		<i>For Type 304 Stainless Steel Frame, Add</i>	852.42	
		<i>For Type 316 Stainless Steel Frame, Add</i>	992.00	
		<i>For Baked Enamel Finish, Add</i>	184.55	
		<i>For 18 Gauge Frame, Deduct</i>	-46.52	
		<i>For 14 Gauge Frame, Add</i>	116.31	
		<i>For 12 Gauge Frame, Add</i>	176.79	

**08 12 13 13-0084 >7'-2" Through 9'-0" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames**

(08 12 13 13-0067)

08 12 13 13-0085	EA	2' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	476.72	83.28
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	46.52	
		<i>For Welded Frames, Add</i>	92.51	
		<i>For Galvanized Frames, Add</i>	37.22	
		<i>For Type 304 Stainless Steel Frame, Add</i>	566.62	
		<i>For Type 316 Stainless Steel Frame, Add</i>	659.66	
		<i>For Baked Enamel Finish, Add</i>	118.03	
		<i>For 18 Gauge Frame, Deduct</i>	-31.02	
		<i>For 14 Gauge Frame, Add</i>	77.54	
		<i>For 12 Gauge Frame, Add</i>	117.86	
08 12 13 13-0086	EA	2'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	552.46	91.60
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	55.39	
		<i>For Welded Frames, Add</i>	92.51	
		<i>For Galvanized Frames, Add</i>	44.31	
		<i>For Type 304 Stainless Steel Frame, Add</i>	673.79	
		<i>For Type 316 Stainless Steel Frame, Add</i>	784.57	
		<i>For Baked Enamel Finish, Add</i>	138.26	
		<i>For 18 Gauge Frame, Deduct</i>	-36.92	
		<i>For 14 Gauge Frame, Add</i>	92.31	
		<i>For 12 Gauge Frame, Add</i>	140.31	
08 12 13 13-0087	EA	2'-6" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	569.48	97.16
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	56.27	
		<i>For Welded Frames, Add</i>	92.51	
		<i>For Galvanized Frames, Add</i>	45.02	
		<i>For Type 304 Stainless Steel Frame, Add</i>	684.99	
		<i>For Type 316 Stainless Steel Frame, Add</i>	797.53	
		<i>For Baked Enamel Finish, Add</i>	141.69	
		<i>For 18 Gauge Frame, Deduct</i>	-37.52	
		<i>For 14 Gauge Frame, Add</i>	93.79	
		<i>For 12 Gauge Frame, Add</i>	142.56	
08 12 13 13-0088	EA	2'-8" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	586.13	105.49
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	56.27	
		<i>For Welded Frames, Add</i>	92.51	
		<i>For Galvanized Frames, Add</i>	45.02	
		<i>For Type 304 Stainless Steel Frame, Add</i>	685.82	
		<i>For Type 316 Stainless Steel Frame, Add</i>	798.36	
		<i>For Baked Enamel Finish, Add</i>	144.19	
		<i>For 18 Gauge Frame, Deduct</i>	-37.52	
		<i>For 14 Gauge Frame, Add</i>	93.79	
		<i>For 12 Gauge Frame, Add</i>	142.56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0089	EA	2'-10" x >7'-2"	Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	597.59	108.27
			For Auxiliary Frame Reinforcement For Hinges, Add	57.16	
			For Welded Frames, Add	92.51	
			For Galvanized Frames, Add	45.73	
			For Type 304 Stainless Steel Frame, Add	696.73	
			For Type 316 Stainless Steel Frame, Add	811.05	
			For Baked Enamel Finish, Add	146.80	
			For 18 Gauge Frame, Deduct	-38.11	
			For 14 Gauge Frame, Add	95.27	
			For 12 Gauge Frame, Add	144.80	
08 12 13 13-0090	EA	3' x >7'-2"	Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	609.04	111.04
			For Auxiliary Frame Reinforcement For Hinges, Add	58.04	
			For Welded Frames, Add	92.51	
			For Galvanized Frames, Add	46.44	
			For Type 304 Stainless Steel Frame, Add	707.63	
			For Type 316 Stainless Steel Frame, Add	823.72	
			For Baked Enamel Finish, Add	149.40	
			For 18 Gauge Frame, Deduct	-38.70	
			For 14 Gauge Frame, Add	96.74	
			For 12 Gauge Frame, Add	147.04	
08 12 13 13-0091	EA	3'-4" x >7'-2"	Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	646.73	116.60
			For Auxiliary Frame Reinforcement For Hinges, Add	62.03	
			For Welded Frames, Add	92.51	
			For Galvanized Frames, Add	49.63	
			For Type 304 Stainless Steel Frame, Add	756.05	
			For Type 316 Stainless Steel Frame, Add	880.11	
			For Baked Enamel Finish, Add	159.04	
			For 18 Gauge Frame, Deduct	-41.36	
			For 14 Gauge Frame, Add	103.39	
			For 12 Gauge Frame, Add	157.15	
08 12 13 13-0092	EA	3'-6" x >7'-2"	Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	657.84	122.15
			For Auxiliary Frame Reinforcement For Hinges, Add	62.03	
			For Welded Frames, Add	92.51	
			For Galvanized Frames, Add	49.63	
			For Type 304 Stainless Steel Frame, Add	756.60	
			For Type 316 Stainless Steel Frame, Add	880.67	
			For Baked Enamel Finish, Add	160.71	
			For 18 Gauge Frame, Deduct	-41.36	
			For 14 Gauge Frame, Add	103.39	
			For 12 Gauge Frame, Add	157.15	
08 12 13 13-0093	EA	4' x >7'-2"	Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	683.72	127.69
			For Auxiliary Frame Reinforcement For Hinges, Add	64.25	
			For Welded Frames, Add	92.51	
			For Galvanized Frames, Add	51.40	
			For Type 304 Stainless Steel Frame, Add	783.75	
			For Type 316 Stainless Steel Frame, Add	912.24	
			For Baked Enamel Finish, Add	166.81	
			For 18 Gauge Frame, Deduct	-42.83	
			For 14 Gauge Frame, Add	107.08	
			For 12 Gauge Frame, Add	162.76	
08 12 13 13-0094	EA	5' x >7'-2"	Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	709.59	133.25
			For Auxiliary Frame Reinforcement For Hinges, Add	66.46	
			For Welded Frames, Add	92.51	
			For Galvanized Frames, Add	53.17	
			For Type 304 Stainless Steel Frame, Add	810.89	
			For Type 316 Stainless Steel Frame, Add	943.81	
			For Baked Enamel Finish, Add	172.90	
			For 18 Gauge Frame, Deduct	-44.31	
			For 14 Gauge Frame, Add	110.77	
			For 12 Gauge Frame, Add	168.37	
08 12 13 13-0095	EA	5'-4" x >7'-2"	Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	720.69	138.80
			For Auxiliary Frame Reinforcement For Hinges, Add	66.46	
			For Welded Frames, Add	92.51	
			For Galvanized Frames, Add	53.17	
			For Type 304 Stainless Steel Frame, Add	811.44	
			For Type 316 Stainless Steel Frame, Add	944.37	
			For Baked Enamel Finish, Add	174.57	
			For 18 Gauge Frame, Deduct	-44.31	
			For 14 Gauge Frame, Add	110.77	
			For 12 Gauge Frame, Add	168.37	
08 12 13 13-0096	EA	5'-8" x >7'-2"	Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	733.62	141.58
			For Auxiliary Frame Reinforcement For Hinges, Add	67.57	
			For Welded Frames, Add	92.51	
			For Galvanized Frames, Add	54.06	
			For Type 304 Stainless Steel Frame, Add	825.00	
			For Type 316 Stainless Steel Frame, Add	960.14	
			For Baked Enamel Finish, Add	177.61	
			For 18 Gauge Frame, Deduct	-45.05	
			For 14 Gauge Frame, Add	112.62	
			For 12 Gauge Frame, Add	171.18	
08 12 13 13-0097	EA	6' x >7'-2"	Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	746.57	144.35
			For Auxiliary Frame Reinforcement For Hinges, Add	68.68	
			For Welded Frames, Add	92.51	
			For Galvanized Frames, Add	54.94	
			For Type 304 Stainless Steel Frame, Add	838.58	
			For Type 316 Stainless Steel Frame, Add	975.94	
			For Baked Enamel Finish, Add	180.66	
			For 18 Gauge Frame, Deduct	-45.79	
			For 14 Gauge Frame, Add	114.47	
			For 12 Gauge Frame, Add	173.99	

**08 Openings****08 10 Doors and Frames****08 12 Metal Frames**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 12 13 13-0098	EA	7' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	781.65	147.13
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	73.11	
		<i>For Welded Frames, Add</i>	92.51	
		<i>For Galvanized Frames, Add</i>	58.49	
		<i>For Type 304 Stainless Steel Frame, Add</i>	892.02	
		<i>For Type 316 Stainless Steel Frame, Add</i>	1,038.23	
		<i>For Baked Enamel Finish, Add</i>	190.36	
		<i>For 18 Gauge Frame, Deduct</i>	-48.74	
		<i>For 14 Gauge Frame, Add</i>	121.85	
		<i>For 12 Gauge Frame, Add</i>	185.21	
08 12 13 13-0099	EA	8' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	816.76	149.91
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	77.54	
		<i>For Welded Frames, Add</i>	92.51	
		<i>For Galvanized Frames, Add</i>	62.03	
		<i>For Type 304 Stainless Steel Frame, Add</i>	945.48	
		<i>For Type 316 Stainless Steel Frame, Add</i>	1,100.57	
		<i>For Baked Enamel Finish, Add</i>	200.06	
		<i>For 18 Gauge Frame, Deduct</i>	-51.69	
		<i>For 14 Gauge Frame, Add</i>	129.24	
		<i>For 12 Gauge Frame, Add</i>	196.44	
08 12 13 13-0100		<b>6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames</b> <small>(08 12 13 13)</small>		
		Note: For non-rated or fire rated frame assemblies		
08 12 13 13-0101		<b>6-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames</b> <small>(08 12 13 13-0100)</small>		
08 12 13 13-0102	EA	2' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	466.64	83.28
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	45.01	
		<i>For Welded Frames, Add</i>	92.51	
		<i>For Galvanized Frames, Add</i>	36.01	
		<i>For Type 304 Stainless Steel Frame, Add</i>	548.47	
		<i>For Type 316 Stainless Steel Frame, Add</i>	638.50	
		<i>For Baked Enamel Finish, Add</i>	115.01	
		<i>For 18 Gauge Frame, Deduct</i>	-30.01	
		<i>For 14 Gauge Frame, Add</i>	75.02	
		<i>For 12 Gauge Frame, Add</i>	114.03	
08 12 13 13-0103	EA	2'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	540.46	91.60
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	53.59	
		<i>For Welded Frames, Add</i>	92.51	
		<i>For Galvanized Frames, Add</i>	42.87	
		<i>For Type 304 Stainless Steel Frame, Add</i>	652.19	
		<i>For Type 316 Stainless Steel Frame, Add</i>	759.37	
		<i>For Baked Enamel Finish, Add</i>	134.66	
		<i>For 18 Gauge Frame, Deduct</i>	-35.72	
		<i>For 14 Gauge Frame, Add</i>	89.31	
		<i>For 12 Gauge Frame, Add</i>	135.75	
08 12 13 13-0104	EA	2'-6" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	557.29	97.16
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	54.44	
		<i>For Welded Frames, Add</i>	92.51	
		<i>For Galvanized Frames, Add</i>	43.56	
		<i>For Type 304 Stainless Steel Frame, Add</i>	663.04	
		<i>For Type 316 Stainless Steel Frame, Add</i>	771.93	
		<i>For Baked Enamel Finish, Add</i>	138.04	
		<i>For 18 Gauge Frame, Deduct</i>	-36.30	
		<i>For 14 Gauge Frame, Add</i>	90.74	
		<i>For 12 Gauge Frame, Add</i>	137.92	
08 12 13 13-0105	EA	2'-8" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	573.94	105.49
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	54.44	
		<i>For Welded Frames, Add</i>	92.51	
		<i>For Galvanized Frames, Add</i>	43.56	
		<i>For Type 304 Stainless Steel Frame, Add</i>	663.88	
		<i>For Type 316 Stainless Steel Frame, Add</i>	772.77	
		<i>For Baked Enamel Finish, Add</i>	140.54	
		<i>For 18 Gauge Frame, Deduct</i>	-36.30	
		<i>For 14 Gauge Frame, Add</i>	90.74	
		<i>For 12 Gauge Frame, Add</i>	137.92	
08 12 13 13-0106	EA	2'-10" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	585.20	108.27
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	55.30	
		<i>For Welded Frames, Add</i>	92.51	
		<i>For Galvanized Frames, Add</i>	44.24	
		<i>For Type 304 Stainless Steel Frame, Add</i>	674.43	
		<i>For Type 316 Stainless Steel Frame, Add</i>	785.03	
		<i>For Baked Enamel Finish, Add</i>	143.08	
		<i>For 18 Gauge Frame, Deduct</i>	-36.87	
		<i>For 14 Gauge Frame, Add</i>	92.17	
		<i>For 12 Gauge Frame, Add</i>	140.09	
08 12 13 13-0107	EA	3' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	596.47	111.04
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	56.16	
		<i>For Welded Frames, Add</i>	92.51	
		<i>For Galvanized Frames, Add</i>	44.93	
		<i>For Type 304 Stainless Steel Frame, Add</i>	685.01	
		<i>For Type 316 Stainless Steel Frame, Add</i>	797.32	
		<i>For Baked Enamel Finish, Add</i>	145.63	
		<i>For 18 Gauge Frame, Deduct</i>	-37.44	
		<i>For 14 Gauge Frame, Add</i>	93.60	
		<i>For 12 Gauge Frame, Add</i>	142.27	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0108	EA		3'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame ..... 633.29	633.29	116.60
			For Auxiliary Frame Reinforcement For Hinges, Add	60.02	
			For Welded Frames, Add	92.51	
			For Galvanized Frames, Add	48.01	
			For Type 304 Stainless Steel Frame, Add	731.86	
			For Type 316 Stainless Steel Frame, Add	851.89	
			For Baked Enamel Finish, Add	155.01	
			For 18 Gauge Frame, Deduct	-40.01	
			For 14 Gauge Frame, Add	100.03	
			For 12 Gauge Frame, Add	152.04	
08 12 13 13-0109	EA		3'-6" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame ..... 644.40	644.40	122.15
			For Auxiliary Frame Reinforcement For Hinges, Add	60.02	
			For Welded Frames, Add	92.51	
			For Galvanized Frames, Add	48.01	
			For Type 304 Stainless Steel Frame, Add	732.41	
			For Type 316 Stainless Steel Frame, Add	852.45	
			For Baked Enamel Finish, Add	156.68	
			For 18 Gauge Frame, Deduct	-40.01	
			For 14 Gauge Frame, Add	100.03	
			For 12 Gauge Frame, Add	152.04	
08 12 13 13-0110	EA		4' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame ..... 669.80	669.80	127.69
			For Auxiliary Frame Reinforcement For Hinges, Add	62.16	
			For Welded Frames, Add	92.51	
			For Galvanized Frames, Add	49.73	
			For Type 304 Stainless Steel Frame, Add	758.69	
			For Type 316 Stainless Steel Frame, Add	883.01	
			For Baked Enamel Finish, Add	162.63	
			For 18 Gauge Frame, Deduct	-41.44	
			For 14 Gauge Frame, Add	103.60	
			For 12 Gauge Frame, Add	157.47	
08 12 13 13-0111	EA		5' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame ..... 695.19	695.19	133.25
			For Auxiliary Frame Reinforcement For Hinges, Add	64.30	
			For Welded Frames, Add	92.51	
			For Galvanized Frames, Add	51.44	
			For Type 304 Stainless Steel Frame, Add	784.97	
			For Type 316 Stainless Steel Frame, Add	913.57	
			For Baked Enamel Finish, Add	168.58	
			For 18 Gauge Frame, Deduct	-42.87	
			For 14 Gauge Frame, Add	107.17	
			For 12 Gauge Frame, Add	162.90	
08 12 13 13-0112	EA		5'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame ..... 706.29	706.29	138.80
			For Auxiliary Frame Reinforcement For Hinges, Add	64.30	
			For Welded Frames, Add	92.51	
			For Galvanized Frames, Add	51.44	
			For Type 304 Stainless Steel Frame, Add	785.52	
			For Type 316 Stainless Steel Frame, Add	914.13	
			For Baked Enamel Finish, Add	170.25	
			For 18 Gauge Frame, Deduct	-42.87	
			For 14 Gauge Frame, Add	107.17	
			For 12 Gauge Frame, Add	162.90	
08 12 13 13-0113	EA		5'-8" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame ..... 718.98	718.98	141.58
			For Auxiliary Frame Reinforcement For Hinges, Add	65.37	
			For Welded Frames, Add	92.51	
			For Galvanized Frames, Add	52.30	
			For Type 304 Stainless Steel Frame, Add	798.65	
			For Type 316 Stainless Steel Frame, Add	929.40	
			For Baked Enamel Finish, Add	173.22	
			For 18 Gauge Frame, Deduct	-43.58	
			For 14 Gauge Frame, Add	108.96	
			For 12 Gauge Frame, Add	165.62	
08 12 13 13-0114	EA		6' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame ..... 731.69	731.69	144.35
			For Auxiliary Frame Reinforcement For Hinges, Add	66.45	
			For Welded Frames, Add	92.51	
			For Galvanized Frames, Add	53.16	
			For Type 304 Stainless Steel Frame, Add	811.80	
			For Type 316 Stainless Steel Frame, Add	944.69	
			For Baked Enamel Finish, Add	176.20	
			For 18 Gauge Frame, Deduct	-44.30	
			For 14 Gauge Frame, Add	110.75	
			For 12 Gauge Frame, Add	168.33	
08 12 13 13-0115	EA		7' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame ..... 765.81	765.81	147.13
			For Auxiliary Frame Reinforcement For Hinges, Add	70.73	
			For Welded Frames, Add	92.51	
			For Galvanized Frames, Add	56.59	
			For Type 304 Stainless Steel Frame, Add	863.50	
			For Type 316 Stainless Steel Frame, Add	1,004.97	
			For Baked Enamel Finish, Add	185.60	
			For 18 Gauge Frame, Deduct	-47.16	
			For 14 Gauge Frame, Add	117.89	
			For 12 Gauge Frame, Add	179.19	
08 12 13 13-0116	EA		8' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame ..... 799.96	799.96	149.91
			For Auxiliary Frame Reinforcement For Hinges, Add	75.02	
			For Welded Frames, Add	92.51	
			For Galvanized Frames, Add	60.02	
			For Type 304 Stainless Steel Frame, Add	915.24	
			For Type 316 Stainless Steel Frame, Add	1,065.29	
			For Baked Enamel Finish, Add	195.02	
			For 18 Gauge Frame, Deduct	-50.01	
			For 14 Gauge Frame, Add	125.04	
			For 12 Gauge Frame, Add	190.05	

## 08 Openings

## 08 10 Doors and Frames

## 08 12 Metal Frames

 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 12 13 13-0117		>7'-2" Through 9'-0" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames		
08 12 13 13-0118	EA	2' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	499.98	83.28
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	50.01	
		<i>For Welded Frames, Add</i>	92.51	
		<i>For Galvanized Frames, Add</i>	40.01	
		<i>For Type 304 Stainless Steel Frame, Add</i>	608.48	
		<i>For Type 316 Stainless Steel Frame, Add</i>	708.51	
		<i>For Baked Enamel Finish, Add</i>	125.01	
		<i>For 18 Gauge Frame, Deduct</i>	-33.34	
		<i>For 14 Gauge Frame, Add</i>	83.36	
		<i>For 12 Gauge Frame, Add</i>	126.70	
08 12 13 13-0119	EA	2'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	580.15	91.60
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	59.54	
		<i>For Welded Frames, Add</i>	92.51	
		<i>For Galvanized Frames, Add</i>	47.63	
		<i>For Type 304 Stainless Steel Frame, Add</i>	723.64	
		<i>For Type 316 Stainless Steel Frame, Add</i>	842.71	
		<i>For Baked Enamel Finish, Add</i>	146.56	
		<i>For 18 Gauge Frame, Deduct</i>	-39.69	
		<i>For 14 Gauge Frame, Add</i>	99.23	
		<i>For 12 Gauge Frame, Add</i>	150.83	
08 12 13 13-0120	EA	2'-6" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	597.61	97.16
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	60.49	
		<i>For Welded Frames, Add</i>	92.51	
		<i>For Galvanized Frames, Add</i>	48.39	
		<i>For Type 304 Stainless Steel Frame, Add</i>	735.62	
		<i>For Type 316 Stainless Steel Frame, Add</i>	856.60	
		<i>For Baked Enamel Finish, Add</i>	150.13	
		<i>For 18 Gauge Frame, Deduct</i>	-40.33	
		<i>For 14 Gauge Frame, Add</i>	100.82	
		<i>For 12 Gauge Frame, Add</i>	153.25	
08 12 13 13-0121	EA	2'-8" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	614.26	105.49
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	60.49	
		<i>For Welded Frames, Add</i>	92.51	
		<i>For Galvanized Frames, Add</i>	48.39	
		<i>For Type 304 Stainless Steel Frame, Add</i>	736.45	
		<i>For Type 316 Stainless Steel Frame, Add</i>	857.44	
		<i>For Baked Enamel Finish, Add</i>	152.63	
		<i>For 18 Gauge Frame, Deduct</i>	-40.33	
		<i>For 14 Gauge Frame, Add</i>	100.82	
		<i>For 12 Gauge Frame, Add</i>	153.25	
08 12 13 13-0122	EA	2'-10" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	626.17	108.27
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	61.45	
		<i>For Welded Frames, Add</i>	92.51	
		<i>For Galvanized Frames, Add</i>	49.16	
		<i>For Type 304 Stainless Steel Frame, Add</i>	748.18	
		<i>For Type 316 Stainless Steel Frame, Add</i>	871.07	
		<i>For Baked Enamel Finish, Add</i>	155.37	
		<i>For 18 Gauge Frame, Deduct</i>	-40.96	
		<i>For 14 Gauge Frame, Add</i>	102.41	
		<i>For 12 Gauge Frame, Add</i>	155.66	
08 12 13 13-0123	EA	3' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	638.07	111.04
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	62.40	
		<i>For Welded Frames, Add</i>	92.51	
		<i>For Galvanized Frames, Add</i>	49.92	
		<i>For Type 304 Stainless Steel Frame, Add</i>	759.89	
		<i>For Type 316 Stainless Steel Frame, Add</i>	884.68	
		<i>For Baked Enamel Finish, Add</i>	158.11	
		<i>For 18 Gauge Frame, Deduct</i>	-41.60	
		<i>For 14 Gauge Frame, Add</i>	104.00	
		<i>For 12 Gauge Frame, Add</i>	158.08	
08 12 13 13-0124	EA	3'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	677.75	116.60
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	66.69	
		<i>For Welded Frames, Add</i>	92.51	
		<i>For Galvanized Frames, Add</i>	53.35	
		<i>For Type 304 Stainless Steel Frame, Add</i>	811.89	
		<i>For Type 316 Stainless Steel Frame, Add</i>	945.26	
		<i>For Baked Enamel Finish, Add</i>	168.35	
		<i>For 18 Gauge Frame, Deduct</i>	-44.46	
		<i>For 14 Gauge Frame, Add</i>	111.14	
		<i>For 12 Gauge Frame, Add</i>	168.94	
08 12 13 13-0125	EA	3'-6" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	688.86	122.15
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	66.69	
		<i>For Welded Frames, Add</i>	92.51	
		<i>For Galvanized Frames, Add</i>	53.35	
		<i>For Type 304 Stainless Steel Frame, Add</i>	812.44	
		<i>For Type 316 Stainless Steel Frame, Add</i>	945.81	
		<i>For Baked Enamel Finish, Add</i>	170.01	
		<i>For 18 Gauge Frame, Deduct</i>	-44.46	
		<i>For 14 Gauge Frame, Add</i>	111.14	
		<i>For 12 Gauge Frame, Add</i>	168.94	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 12 13 13-0126	EA		4' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	715.84	127.69
			For Auxiliary Frame Reinforcement For Hinges, Add	69.07	
			For Welded Frames, Add	92.51	
			For Galvanized Frames, Add	55.25	
			For Type 304 Stainless Steel Frame, Add	841.56	
			For Type 316 Stainless Steel Frame, Add	979.69	
			For Baked Enamel Finish, Add	176.44	
			For 18 Gauge Frame, Deduct	-46.04	
			For 14 Gauge Frame, Add	115.11	
			For 12 Gauge Frame, Add	174.97	
08 12 13 13-0127	EA		5' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	742.82	133.25
			For Auxiliary Frame Reinforcement For Hinges, Add	71.45	
			For Welded Frames, Add	92.51	
			For Galvanized Frames, Add	57.16	
			For Type 304 Stainless Steel Frame, Add	870.70	
			For Type 316 Stainless Steel Frame, Add	1,013.60	
			For Baked Enamel Finish, Add	182.87	
			For 18 Gauge Frame, Deduct	-47.63	
			For 14 Gauge Frame, Add	119.08	
			For 12 Gauge Frame, Add	181.00	
08 12 13 13-0128	EA		5'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	753.92	138.80
			For Auxiliary Frame Reinforcement For Hinges, Add	71.45	
			For Welded Frames, Add	92.51	
			For Galvanized Frames, Add	57.16	
			For Type 304 Stainless Steel Frame, Add	871.26	
			For Type 316 Stainless Steel Frame, Add	1,014.15	
			For Baked Enamel Finish, Add	184.54	
			For 18 Gauge Frame, Deduct	-47.63	
			For 14 Gauge Frame, Add	119.08	
			For 12 Gauge Frame, Add	181.00	
08 12 13 13-0129	EA		5'-8" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	767.41	141.58
			For Auxiliary Frame Reinforcement For Hinges, Add	72.64	
			For Welded Frames, Add	92.51	
			For Galvanized Frames, Add	58.11	
			For Type 304 Stainless Steel Frame, Add	885.83	
			For Type 316 Stainless Steel Frame, Add	1,031.10	
			For Baked Enamel Finish, Add	187.75	
			For 18 Gauge Frame, Deduct	-48.43	
			For 14 Gauge Frame, Add	121.07	
			For 12 Gauge Frame, Add	184.02	
08 12 13 13-0130	EA		6' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	780.91	144.35
			For Auxiliary Frame Reinforcement For Hinges, Add	73.83	
			For Welded Frames, Add	92.51	
			For Galvanized Frames, Add	59.06	
			For Type 304 Stainless Steel Frame, Add	900.40	
			For Type 316 Stainless Steel Frame, Add	1,048.06	
			For Baked Enamel Finish, Add	190.97	
			For 18 Gauge Frame, Deduct	-49.22	
			For 14 Gauge Frame, Add	123.05	
			For 12 Gauge Frame, Add	187.04	
08 12 13 13-0131	EA		7' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	818.21	147.13
			For Auxiliary Frame Reinforcement For Hinges, Add	78.59	
			For Welded Frames, Add	92.51	
			For Galvanized Frames, Add	62.87	
			For Type 304 Stainless Steel Frame, Add	957.82	
			For Type 316 Stainless Steel Frame, Add	1,115.01	
			For Baked Enamel Finish, Add	201.32	
			For 18 Gauge Frame, Deduct	-52.40	
			For 14 Gauge Frame, Add	130.99	
			For 12 Gauge Frame, Add	199.10	
08 12 13 13-0132	EA		8' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	855.53	149.91
			For Auxiliary Frame Reinforcement For Hinges, Add	83.36	
			For Welded Frames, Add	92.51	
			For Galvanized Frames, Add	66.69	
			For Type 304 Stainless Steel Frame, Add	1,015.27	
			For Type 316 Stainless Steel Frame, Add	1,181.98	
			For Baked Enamel Finish, Add	211.69	
			For 18 Gauge Frame, Deduct	-55.57	
			For 14 Gauge Frame, Add	138.93	
			For 12 Gauge Frame, Add	211.17	
08 12 13 13-0133			8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames <small>(08 12 13 13)</small>		
			Note: For non-rated or fire rated frame assemblies		
08 12 13 13-0134			6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames <small>(08 12 13 13-0133)</small>		
08 12 13 13-0135	EA		2' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	480.60	83.28
			For Auxiliary Frame Reinforcement For Hinges, Add	47.11	
			For Welded Frames, Add	92.51	
			For Galvanized Frames, Add	37.68	
			For Type 304 Stainless Steel Frame, Add	573.60	
			For Type 316 Stainless Steel Frame, Add	667.81	
			For Baked Enamel Finish, Add	119.20	
			For 18 Gauge Frame, Deduct	-31.40	
			For 14 Gauge Frame, Add	78.51	
			For 12 Gauge Frame, Add	119.34	

**08 Openings****08 10 Doors and Frames****08 12 Metal Frames**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 12 13 13-0136	EA	2'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	557.08	91.60
		For Auxiliary Frame Reinforcement For Hinges, Add	56.08	
		For Welded Frames, Add	92.51	
		For Galvanized Frames, Add	44.86	
		For Type 304 Stainless Steel Frame, Add	682.11	
		For Type 316 Stainless Steel Frame, Add	794.27	
		For Baked Enamel Finish, Add	139.64	
		For 18 Gauge Frame, Deduct	-37.39	
		For 14 Gauge Frame, Add	93.47	
		For 12 Gauge Frame, Add	142.07	
08 12 13 13-0137	EA	2'-6" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	574.17	97.16
		For Auxiliary Frame Reinforcement For Hinges, Add	56.98	
		For Welded Frames, Add	92.51	
		For Galvanized Frames, Add	45.58	
		For Type 304 Stainless Steel Frame, Add	693.43	
		For Type 316 Stainless Steel Frame, Add	807.38	
		For Baked Enamel Finish, Add	143.10	
		For 18 Gauge Frame, Deduct	-37.98	
		For 14 Gauge Frame, Add	94.96	
		For 12 Gauge Frame, Add	144.34	
08 12 13 13-0138	EA	2'-8" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	590.82	105.49
		For Auxiliary Frame Reinforcement For Hinges, Add	56.98	
		For Welded Frames, Add	92.51	
		For Galvanized Frames, Add	45.58	
		For Type 304 Stainless Steel Frame, Add	694.26	
		For Type 316 Stainless Steel Frame, Add	808.21	
		For Baked Enamel Finish, Add	145.60	
		For 18 Gauge Frame, Deduct	-37.98	
		For 14 Gauge Frame, Add	94.96	
		For 12 Gauge Frame, Add	144.34	
08 12 13 13-0139	EA	2'-10" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	602.35	108.27
		For Auxiliary Frame Reinforcement For Hinges, Add	57.87	
		For Welded Frames, Add	92.51	
		For Galvanized Frames, Add	46.30	
		For Type 304 Stainless Steel Frame, Add	705.30	
		For Type 316 Stainless Steel Frame, Add	821.05	
		For Baked Enamel Finish, Add	148.23	
		For 18 Gauge Frame, Deduct	-38.58	
		For 14 Gauge Frame, Add	96.46	
		For 12 Gauge Frame, Add	146.61	
08 12 13 13-0140	EA	3' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	613.88	111.04
		For Auxiliary Frame Reinforcement For Hinges, Add	58.77	
		For Welded Frames, Add	92.51	
		For Galvanized Frames, Add	47.02	
		For Type 304 Stainless Steel Frame, Add	716.34	
		For Type 316 Stainless Steel Frame, Add	833.88	
		For Baked Enamel Finish, Add	150.85	
		For 18 Gauge Frame, Deduct	-39.18	
		For 14 Gauge Frame, Add	97.95	
		For 12 Gauge Frame, Add	148.88	
08 12 13 13-0141	EA	3'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	651.90	116.60
		For Auxiliary Frame Reinforcement For Hinges, Add	62.81	
		For Welded Frames, Add	92.51	
		For Galvanized Frames, Add	50.25	
		For Type 304 Stainless Steel Frame, Add	765.36	
		For Type 316 Stainless Steel Frame, Add	890.97	
		For Baked Enamel Finish, Add	160.59	
		For 18 Gauge Frame, Deduct	-41.87	
		For 14 Gauge Frame, Add	104.68	
		For 12 Gauge Frame, Add	159.11	
08 12 13 13-0142	EA	3'-6" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	663.01	122.15
		For Auxiliary Frame Reinforcement For Hinges, Add	62.81	
		For Welded Frames, Add	92.51	
		For Galvanized Frames, Add	50.25	
		For Type 304 Stainless Steel Frame, Add	765.91	
		For Type 316 Stainless Steel Frame, Add	891.53	
		For Baked Enamel Finish, Add	162.26	
		For 18 Gauge Frame, Deduct	-41.87	
		For 14 Gauge Frame, Add	104.68	
		For 12 Gauge Frame, Add	159.11	
08 12 13 13-0143	EA	4' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	689.07	127.69
		For Auxiliary Frame Reinforcement For Hinges, Add	65.05	
		For Welded Frames, Add	92.51	
		For Galvanized Frames, Add	52.04	
		For Type 304 Stainless Steel Frame, Add	793.38	
		For Type 316 Stainless Steel Frame, Add	923.48	
		For Baked Enamel Finish, Add	168.41	
		For 18 Gauge Frame, Deduct	-43.37	
		For 14 Gauge Frame, Add	108.42	
		For 12 Gauge Frame, Add	164.79	
08 12 13 13-0144	EA	5' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	715.13	133.25
		For Auxiliary Frame Reinforcement For Hinges, Add	67.29	
		For Welded Frames, Add	92.51	
		For Galvanized Frames, Add	53.84	
		For Type 304 Stainless Steel Frame, Add	820.86	
		For Type 316 Stainless Steel Frame, Add	955.45	
		For Baked Enamel Finish, Add	174.56	
		For 18 Gauge Frame, Deduct	-44.86	
		For 14 Gauge Frame, Add	112.16	
		For 12 Gauge Frame, Add	170.48	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 12 13 13-0145	EA		5'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	726.23	138.80
			For Auxiliary Frame Reinforcement For Hinges, Add	67.29	
			For Welded Frames, Add	92.51	
			For Galvanized Frames, Add	53.84	
			For Type 304 Stainless Steel Frame, Add	821.41	
			For Type 316 Stainless Steel Frame, Add	956.00	
			For Baked Enamel Finish, Add	176.23	
			For 18 Gauge Frame, Deduct	-44.86	
			For 14 Gauge Frame, Add	112.16	
			For 12 Gauge Frame, Add	170.48	
08 12 13 13-0146	EA		5'-8" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	739.25	141.58
			For Auxiliary Frame Reinforcement For Hinges, Add	68.42	
			For Welded Frames, Add	92.51	
			For Galvanized Frames, Add	54.73	
			For Type 304 Stainless Steel Frame, Add	835.14	
			For Type 316 Stainless Steel Frame, Add	971.97	
			For Baked Enamel Finish, Add	179.30	
			For 18 Gauge Frame, Deduct	-45.61	
			For 14 Gauge Frame, Add	114.03	
			For 12 Gauge Frame, Add	173.32	
08 12 13 13-0147	EA		6' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	752.29	144.35
			For Auxiliary Frame Reinforcement For Hinges, Add	69.54	
			For Welded Frames, Add	92.51	
			For Galvanized Frames, Add	55.63	
			For Type 304 Stainless Steel Frame, Add	848.88	
			For Type 316 Stainless Steel Frame, Add	987.95	
			For Baked Enamel Finish, Add	182.38	
			For 18 Gauge Frame, Deduct	-46.36	
			For 14 Gauge Frame, Add	115.90	
			For 12 Gauge Frame, Add	176.16	
08 12 13 13-0148	EA		7' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	787.75	147.13
			For Auxiliary Frame Reinforcement For Hinges, Add	74.02	
			For Welded Frames, Add	92.51	
			For Galvanized Frames, Add	59.22	
			For Type 304 Stainless Steel Frame, Add	903.00	
			For Type 316 Stainless Steel Frame, Add	1,051.04	
			For Baked Enamel Finish, Add	192.19	
			For 18 Gauge Frame, Deduct	-49.35	
			For 14 Gauge Frame, Add	123.37	
			For 12 Gauge Frame, Add	187.53	
08 12 13 13-0149	EA		8' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	823.22	149.91
			For Auxiliary Frame Reinforcement For Hinges, Add	78.51	
			For Welded Frames, Add	92.51	
			For Galvanized Frames, Add	62.81	
			For Type 304 Stainless Steel Frame, Add	957.11	
			For Type 316 Stainless Steel Frame, Add	1,114.13	
			For Baked Enamel Finish, Add	201.99	
			For 18 Gauge Frame, Deduct	-52.34	
			For 14 Gauge Frame, Add	130.85	
			For 12 Gauge Frame, Add	198.89	

**08 12 13 13-0150 >7'-2" Through 9'-0" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames** (08 12 13 13-0133)

08 12 13 13-0151	EA		2' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	515.49	83.28
			For Auxiliary Frame Reinforcement For Hinges, Add	52.34	
			For Welded Frames, Add	92.51	
			For Galvanized Frames, Add	41.87	
			For Type 304 Stainless Steel Frame, Add	636.40	
			For Type 316 Stainless Steel Frame, Add	741.08	
			For Baked Enamel Finish, Add	129.66	
			For 18 Gauge Frame, Deduct	-34.89	
			For 14 Gauge Frame, Add	87.23	
			For 12 Gauge Frame, Add	132.59	
08 12 13 13-0152	EA		2'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	598.62	91.60
			For Auxiliary Frame Reinforcement For Hinges, Add	62.31	
			For Welded Frames, Add	92.51	
			For Galvanized Frames, Add	49.85	
			For Type 304 Stainless Steel Frame, Add	756.88	
			For Type 316 Stainless Steel Frame, Add	881.50	
			For Baked Enamel Finish, Add	152.10	
			For 18 Gauge Frame, Deduct	-41.54	
			For 14 Gauge Frame, Add	103.85	
			For 12 Gauge Frame, Add	157.85	
08 12 13 13-0153	EA		2'-6" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	616.37	97.16
			For Auxiliary Frame Reinforcement For Hinges, Add	63.31	
			For Welded Frames, Add	92.51	
			For Galvanized Frames, Add	50.64	
			For Type 304 Stainless Steel Frame, Add	769.39	
			For Type 316 Stainless Steel Frame, Add	896.00	
			For Baked Enamel Finish, Add	155.76	
			For 18 Gauge Frame, Deduct	-42.20	
			For 14 Gauge Frame, Add	105.51	
			For 12 Gauge Frame, Add	160.38	

**08 Openings****08 10 Doors and Frames****08 12 Metal Frames**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 12 13 13-0154	EA	2'-8" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	633.02	105.49
		For Auxiliary Frame Reinforcement For Hinges, Add	63.31	
		For Welded Frames, Add	92.51	
		For Galvanized Frames, Add	50.64	
		For Type 304 Stainless Steel Frame, Add	770.22	
		For Type 316 Stainless Steel Frame, Add	896.83	
		For Baked Enamel Finish, Add	158.26	
		For 18 Gauge Frame, Deduct	-42.20	
		For 14 Gauge Frame, Add	105.51	
		For 12 Gauge Frame, Add	160.38	
08 12 13 13-0155	EA	2'-10" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	645.22	108.27
		For Auxiliary Frame Reinforcement For Hinges, Add	64.30	
		For Welded Frames, Add	92.51	
		For Galvanized Frames, Add	51.44	
		For Type 304 Stainless Steel Frame, Add	782.47	
		For Type 316 Stainless Steel Frame, Add	911.08	
		For Baked Enamel Finish, Add	161.09	
		For 18 Gauge Frame, Deduct	-42.87	
		For 14 Gauge Frame, Add	107.17	
		For 12 Gauge Frame, Add	162.90	
08 12 13 13-0156	EA	3' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	657.41	111.04
		For Auxiliary Frame Reinforcement For Hinges, Add	65.30	
		For Welded Frames, Add	92.51	
		For Galvanized Frames, Add	52.24	
		For Type 304 Stainless Steel Frame, Add	794.70	
		For Type 316 Stainless Steel Frame, Add	925.30	
		For Baked Enamel Finish, Add	163.91	
		For 18 Gauge Frame, Deduct	-43.53	
		For 14 Gauge Frame, Add	108.83	
		For 12 Gauge Frame, Add	165.43	
08 12 13 13-0157	EA	3'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	698.42	116.60
		For Auxiliary Frame Reinforcement For Hinges, Add	69.79	
		For Welded Frames, Add	92.51	
		For Galvanized Frames, Add	55.83	
		For Type 304 Stainless Steel Frame, Add	849.09	
		For Type 316 Stainless Steel Frame, Add	988.66	
		For Baked Enamel Finish, Add	174.55	
		For 18 Gauge Frame, Deduct	-46.52	
		For 14 Gauge Frame, Add	116.31	
		For 12 Gauge Frame, Add	176.79	
08 12 13 13-0158	EA	3'-6" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	709.53	122.15
		For Auxiliary Frame Reinforcement For Hinges, Add	69.79	
		For Welded Frames, Add	92.51	
		For Galvanized Frames, Add	55.83	
		For Type 304 Stainless Steel Frame, Add	849.65	
		For Type 316 Stainless Steel Frame, Add	989.22	
		For Baked Enamel Finish, Add	176.22	
		For 18 Gauge Frame, Deduct	-46.52	
		For 14 Gauge Frame, Add	116.31	
		For 12 Gauge Frame, Add	176.79	
08 12 13 13-0159	EA	4' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	737.26	127.69
		For Auxiliary Frame Reinforcement For Hinges, Add	72.28	
		For Welded Frames, Add	92.51	
		For Galvanized Frames, Add	57.82	
		For Type 304 Stainless Steel Frame, Add	880.12	
		For Type 316 Stainless Steel Frame, Add	1,024.68	
		For Baked Enamel Finish, Add	182.87	
		For 18 Gauge Frame, Deduct	-48.19	
		For 14 Gauge Frame, Add	120.47	
		For 12 Gauge Frame, Add	183.11	
08 12 13 13-0160	EA	5' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	764.97	133.25
		For Auxiliary Frame Reinforcement For Hinges, Add	74.77	
		For Welded Frames, Add	92.51	
		For Galvanized Frames, Add	59.82	
		For Type 304 Stainless Steel Frame, Add	910.57	
		For Type 316 Stainless Steel Frame, Add	1,060.11	
		For Baked Enamel Finish, Add	189.52	
		For 18 Gauge Frame, Deduct	-49.85	
		For 14 Gauge Frame, Add	124.62	
		For 12 Gauge Frame, Add	189.42	
08 12 13 13-0161	EA	5'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	776.07	138.80
		For Auxiliary Frame Reinforcement For Hinges, Add	74.77	
		For Welded Frames, Add	92.51	
		For Galvanized Frames, Add	59.82	
		For Type 304 Stainless Steel Frame, Add	911.13	
		For Type 316 Stainless Steel Frame, Add	1,060.67	
		For Baked Enamel Finish, Add	191.18	
		For 18 Gauge Frame, Deduct	-49.85	
		For 14 Gauge Frame, Add	124.62	
		For 12 Gauge Frame, Add	189.42	
08 12 13 13-0162	EA	5'-8" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	789.93	141.58
		For Auxiliary Frame Reinforcement For Hinges, Add	76.02	
		For Welded Frames, Add	92.51	
		For Galvanized Frames, Add	60.81	
		For Type 304 Stainless Steel Frame, Add	926.36	
		For Type 316 Stainless Steel Frame, Add	1,078.40	
		For Baked Enamel Finish, Add	194.51	
		For 18 Gauge Frame, Deduct	-50.68	
		For 14 Gauge Frame, Add	126.70	
		For 12 Gauge Frame, Add	192.58	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0163	EA		6' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	803.80	144.35
			For Auxiliary Frame Reinforcement For Hinges, Add	77.26	
			For Welded Frames, Add	92.51	
			For Galvanized Frames, Add	61.81	
			For Type 304 Stainless Steel Frame, Add	941.60	
			For Type 316 Stainless Steel Frame, Add	1,096.12	
			For Baked Enamel Finish, Add	197.83	
			For 18 Gauge Frame, Deduct	-51.51	
			For 14 Gauge Frame, Add	128.77	
			For 12 Gauge Frame, Add	195.73	
08 12 13 13-0164	EA		7' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	842.58	147.13
			For Auxiliary Frame Reinforcement For Hinges, Add	82.25	
			For Welded Frames, Add	92.51	
			For Galvanized Frames, Add	65.80	
			For Type 304 Stainless Steel Frame, Add	1,001.69	
			For Type 316 Stainless Steel Frame, Add	1,166.19	
			For Baked Enamel Finish, Add	208.64	
			For 18 Gauge Frame, Deduct	-54.83	
			For 14 Gauge Frame, Add	137.08	
			For 12 Gauge Frame, Add	208.36	
08 12 13 13-0165	EA		8' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	881.37	149.91
			For Auxiliary Frame Reinforcement For Hinges, Add	87.23	
			For Welded Frames, Add	92.51	
			For Galvanized Frames, Add	69.79	
			For Type 304 Stainless Steel Frame, Add	1,061.78	
			For Type 316 Stainless Steel Frame, Add	1,236.25	
			For Baked Enamel Finish, Add	219.44	
			For 18 Gauge Frame, Deduct	-58.16	
			For 14 Gauge Frame, Add	145.39	
			For 12 Gauge Frame, Add	220.99	
08 12 13 13-0166			<b>Sidelights And Transoms</b> (08 12 13 13)		
			Note: For non-rated or fire rated frame assemblies		
08 12 13 13-0167			<b>Fixed Steel Transoms</b> (08 12 13 13-0166)		
			Note: Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.		
08 12 13 13-0168	SF		4-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom.....	59.34	15.55
			For Movable Frame, Add	11.87	
			For 18 Gauge Frame, Deduct	-2.82	
			For 14 Gauge Frame, Add	7.06	
			For 12 Gauge Frame, Add	10.73	
08 12 13 13-0169	SF		5-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom.....	61.83	16.10
			For Movable Frame, Add	12.37	
			For 18 Gauge Frame, Deduct	-2.96	
			For 14 Gauge Frame, Add	7.41	
			For 12 Gauge Frame, Add	11.26	
08 12 13 13-0170	SF		6-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom.....	64.43	16.66
			For Movable Frame, Add	12.89	
			For 18 Gauge Frame, Deduct	-3.11	
			For 14 Gauge Frame, Add	7.78	
			For 12 Gauge Frame, Add	11.83	
08 12 13 13-0171			<b>Operable Steel Transom Sash</b> (08 12 13 13-0166)		
			Note: Includes hardware.		
08 12 13 13-0172	SF		4-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash.....	78.42	15.55
			For 18 Gauge Frame, Deduct	-4.73	
			For 14 Gauge Frame, Add	11.83	
			For 12 Gauge Frame, Add	17.98	
08 12 13 13-0173	SF		5-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash.....	81.89	16.10
			For 18 Gauge Frame, Deduct	-4.97	
			For 14 Gauge Frame, Add	12.42	
			For 12 Gauge Frame, Add	18.88	
08 12 13 13-0174	SF		6-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash.....	85.48	16.66
			For 18 Gauge Frame, Deduct	-5.22	
			For 14 Gauge Frame, Add	13.04	
			For 12 Gauge Frame, Add	19.82	
08 12 13 13-0175			<b>Sidelights, Steel Frame</b> (08 12 13 13-0166)		
			Note: Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.		
08 12 13 13-0176	SF		4-3/4" Deep Sidelights, 16 Gauge Frame.....	61.45	15.55
			For 18 Gauge Frame, Deduct	-3.04	
			For 14 Gauge Frame, Add	7.59	
			For 12 Gauge Frame, Add	11.53	
08 12 13 13-0177	SF		5-3/4" Deep Sidelights, 16 Gauge Frame.....	64.07	16.10
			For 18 Gauge Frame, Deduct	-3.19	
			For 14 Gauge Frame, Add	7.97	
			For 12 Gauge Frame, Add	12.11	
08 12 13 13-0178	SF		6-3/4" Deep Sidelights, 16 Gauge Frame.....	66.76	16.66
			For 18 Gauge Frame, Deduct	-3.35	
			For 14 Gauge Frame, Add	8.36	
			For 12 Gauge Frame, Add	12.71	
08 12 13 13-0179			<b>Sundry Hollow Metal Frame Sections</b> (08 12 13 13)		
			Note: For non-rated or fire rated frame assemblies		
08 12 13 13-0180			<b>16 Gauge, Hollow Metal Frame Vertical Mullions</b> (08 12 13 13-0179)		

**08 Openings****08 10 Doors and Frames****08 12 Metal Frames**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 12 13 13-0181	LF	4-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion.....	47.42	6.22
		<i>For 18 Gauge Frame, Deduct</i>	-3.18	
		<i>For 14 Gauge Frame, Add</i>	7.95	
		<i>For 12 Gauge Frame, Add</i>	12.08	
		<i>For 3 Hour Frame, Add</i>	8.00	
		<i>For 1-1/2 Hour Frame, Add</i>	5.00	
		<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0182	LF	4-3/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion.....	48.70	6.22
		<i>For 18 Gauge Frame, Deduct</i>	-3.31	
		<i>For 14 Gauge Frame, Add</i>	8.27	
		<i>For 12 Gauge Frame, Add</i>	12.56	
		<i>For 3 Hour Frame, Add</i>	8.00	
		<i>For 1-1/2 Hour Frame, Add</i>	5.00	
		<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0183	LF	5-1/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion.....	47.87	6.44
		<i>For 18 Gauge Frame, Deduct</i>	-3.18	
		<i>For 14 Gauge Frame, Add</i>	7.95	
		<i>For 12 Gauge Frame, Add</i>	12.08	
		<i>For 3 Hour Frame, Add</i>	8.00	
		<i>For 1-1/2 Hour Frame, Add</i>	5.00	
		<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0184	LF	5-1/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion.....	49.85	6.44
		<i>For 18 Gauge Frame, Deduct</i>	-3.38	
		<i>For 14 Gauge Frame, Add</i>	8.44	
		<i>For 12 Gauge Frame, Add</i>	12.83	
		<i>For 3 Hour Frame, Add</i>	8.00	
		<i>For 1-1/2 Hour Frame, Add</i>	5.00	
		<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0185	LF	6-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion.....	49.82	6.56
		<i>For 18 Gauge Frame, Deduct</i>	-3.34	
		<i>For 14 Gauge Frame, Add</i>	8.34	
		<i>For 12 Gauge Frame, Add</i>	12.68	
		<i>For 3 Hour Frame, Add</i>	8.00	
		<i>For 1-1/2 Hour Frame, Add</i>	5.00	
		<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0186	LF	6-3/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion.....	50.58	6.56
		<i>For 18 Gauge Frame, Deduct</i>	-3.41	
		<i>For 14 Gauge Frame, Add</i>	8.53	
		<i>For 12 Gauge Frame, Add</i>	12.97	
		<i>For 3 Hour Frame, Add</i>	8.00	
		<i>For 1-1/2 Hour Frame, Add</i>	5.00	
		<i>For 3/4 Hour Frame, Add</i>	4.00	
<b>08 12 13 13-0187</b>		<b>16 Gauge, Hollow Metal Frame Horizontal Rails</b> (08 12 13 13-0179)		
08 12 13 13-0188	LF	4-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail.....	31.53	6.22
		<i>For 18 Gauge Frame, Deduct</i>	-1.59	
		<i>For 14 Gauge Frame, Add</i>	3.97	
		<i>For 12 Gauge Frame, Add</i>	6.04	
		<i>For 3 Hour Frame, Add</i>	8.00	
		<i>For 1-1/2 Hour Frame, Add</i>	5.00	
		<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0189	LF	4-3/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail.....	33.15	6.22
		<i>For 18 Gauge Frame, Deduct</i>	-1.75	
		<i>For 14 Gauge Frame, Add</i>	4.38	
		<i>For 12 Gauge Frame, Add</i>	6.65	
		<i>For 3 Hour Frame, Add</i>	8.00	
		<i>For 1-1/2 Hour Frame, Add</i>	5.00	
		<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0190	LF	5-1/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail.....	31.98	6.44
		<i>For 18 Gauge Frame, Deduct</i>	-1.59	
		<i>For 14 Gauge Frame, Add</i>	3.97	
		<i>For 12 Gauge Frame, Add</i>	6.04	
		<i>For 3 Hour Frame, Add</i>	8.00	
		<i>For 1-1/2 Hour Frame, Add</i>	5.00	
		<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0191	LF	5-1/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail.....	33.60	6.44
		<i>For 18 Gauge Frame, Deduct</i>	-1.75	
		<i>For 14 Gauge Frame, Add</i>	4.38	
		<i>For 12 Gauge Frame, Add</i>	6.65	
		<i>For 3 Hour Frame, Add</i>	8.00	
		<i>For 1-1/2 Hour Frame, Add</i>	5.00	
		<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0192	LF	6-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail.....	33.14	6.56
		<i>For 18 Gauge Frame, Deduct</i>	-1.67	
		<i>For 14 Gauge Frame, Add</i>	4.17	
		<i>For 12 Gauge Frame, Add</i>	6.34	
		<i>For 3 Hour Frame, Add</i>	8.00	
		<i>For 1-1/2 Hour Frame, Add</i>	5.00	
		<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0193	LF	6-3/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail.....	34.54	6.56
		<i>For 18 Gauge Frame, Deduct</i>	-1.81	
		<i>For 14 Gauge Frame, Add</i>	4.52	
		<i>For 12 Gauge Frame, Add</i>	6.87	
		<i>For 3 Hour Frame, Add</i>	8.00	
		<i>For 1-1/2 Hour Frame, Add</i>	5.00	
		<i>For 3/4 Hour Frame, Add</i>	4.00	

08 12 13 13-0194 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullions (08 12 13 13-0179)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0195	EA		4-3/4" x 1-3/4" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion ..... For 18 Gauge Frame, Deduct For 14 Gauge Frame, Add For 12 Gauge Frame, Add	1,369.95 -126.11 315.28 479.23	43.53
08 12 13 13-0196	EA		4-3/4" x 2" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion ..... For 18 Gauge Frame, Deduct For 14 Gauge Frame, Add For 12 Gauge Frame, Add	1,420.25 -131.14 327.86 498.34	43.53
08 12 13 13-0197	EA		5-1/4" x 1-3/4" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion ..... For 18 Gauge Frame, Deduct For 14 Gauge Frame, Add For 12 Gauge Frame, Add For 3 Hour Frame, Add For 1-1/2 Hour Frame, Add For 3/4 Hour Frame, Add	1,576.29 -146.41 366.03 556.37 56.00 36.00 28.00	45.53
08 12 13 13-0198	EA		5-1/4" x 2" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion ..... For 18 Gauge Frame, Deduct For 14 Gauge Frame, Add For 12 Gauge Frame, Add For 3 Hour Frame, Add For 1-1/2 Hour Frame, Add For 3/4 Hour Frame, Add	1,621.20 -150.90 377.26 573.44 56.00 36.00 28.00	45.53
08 12 13 13-0199	EA		6-3/4" x 1-3/4" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion ..... For 18 Gauge Frame, Deduct For 14 Gauge Frame, Add For 12 Gauge Frame, Add For 3 Hour Frame, Add For 1-1/2 Hour Frame, Add For 3/4 Hour Frame, Add	1,837.63 -172.10 430.26 653.99 56.00 36.00 28.00	46.63
08 12 13 13-0200	EA		6-3/4" x 2" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion ..... For 18 Gauge Frame, Deduct For 14 Gauge Frame, Add For 12 Gauge Frame, Add For 3 Hour Frame, Add For 1-1/2 Hour Frame, Add For 3/4 Hour Frame, Add	1,868.17 -175.16 437.89 665.60 56.00 36.00 28.00	46.63
08 12 13 13-0201			<b>Metal Frames Accessories</b> (08 12 13 13)		
08 12 13 13-0202	EA		For 1' Extension Of New Door Frame .....	57.04	
<b>08 12 16</b>			<b>Aluminum Frames</b> (08 12)		
08 12 16 00-0001			<b>Two Piece Aluminum Door Frames</b> (08 12 16)		
08 12 16 00-0002			<b>4-1/8" x 3/8" Two Piece Aluminum Door Frames</b> (08 12 16 00-0001)		
08 12 16 00-0003	EA		Two Piece Aluminum Door Frame, 2'-2" x 6'-9" Opening 4-1/8" x 3/8" x 1/8" With Semicircular Head.....	1,881.19	61.07
08 12 16 00-0004	EA		Two Piece Aluminum Door Frame, 2'-6" x 6'-9" Opening 4-1/8" x 3/8" x 1/8" With Semicircular Head.....	1,881.19	61.07
08 12 16 00-0005			<b>4-3/4" x 1-3/8" Two Piece Aluminum Door Frames</b> (08 12 16 00-0001)		
08 12 16 00-0006	EA		Two Piece Aluminum Door Frame, 2'-2" x 6'-9" Opening 4-3/4" x 1-3/8" x 1/8" With Semicircular Head.....	1,881.19	61.07
08 12 16 00-0007	EA		Two Piece Aluminum Door Frame Piece Aluminum Door Frame, 2'-6" x 6'-9" Opening 4-3/4" x 1-3/8" x 1/8" With Semicircular Head .....	1,881.19	61.07
08 13			<b>Metal Doors</b> (08 10)		
			Note: Includes machining for all hardware. Excludes frames, finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.		
<b>08 13 13</b>			<b>Hollow Metal Doors</b> (08 13)		
<b>08 13 13 13</b>			<b>Standard Hollow Metal Doors</b> (08 13 13)		
			Note: Hollow Metal Doors are full flush, fabricated from cold rolled steel conforming to ASTM A1008, honeycomb core, interlocking mechanical vertical edge seam, with epoxy baked-on primer. Galvanized steel doors are fabricated from a carbon steel sheet that has been coated with zinc on two sides by the continuous hot-dip process. Hollow Metal Doors are organized by the following levels: 20 Gauge, Level 1 Standard Duty; 18 Gauge, Level 2 Heavy Duty; 16 Gauge, Level 3 Extra Heavy Duty; 14 Gauge, Level 4 Maximum Duty.		
08 13 13 13-0001			<b>20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors</b> (08 13 13 13)		
08 13 13 13-0002			<b>6'-8" High, 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors</b> (08 13 13 13-0001)		
08 13 13 13-0003	EA		2' x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door..... For Galvanized Steel Door, Add For Type 304 Stainless Steel Door, Add For Type 316 Stainless Steel Door, Add For Embossed Panel Door, Add For Baked Enamel Finish, Add For 20 Minute Fire Rated Door, Add For 45 Minute Fire Rated Door, Add For 60 Minute Fire Rated Door, Add For 90 Minute Fire Rated Door, Add For 3 Hour Fire Rated Door, Add For >50 To 100, Deduct For >100, Deduct For Polystyrene Core, Add For Mineral Core, 250 Degree Maximum Temperature Rise, Add For Continuously Welded And Filled Vertical Edge Seam, Add	854.77 146.52 586.10 952.41 175.83 238.11 27.63 41.40 55.27 93.38 131.50 -45.79 -67.16 73.26 183.16 91.58	61.07

**08 Openings****08 10 Doors and Frames****08 13 Metal Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 13 13 13-0004	EA	2'-4" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	854.77	61.07
		For Galvanized Steel Door, Add	146.52	
		For Type 304 Stainless Steel Door, Add	586.10	
		For Type 316 Stainless Steel Door, Add	952.41	
		For Embossed Panel Door, Add	175.83	
		For Baked Enamel Finish, Add	238.11	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-45.79	
		For >100, Deduct	-67.16	
		For Polystyrene Core, Add	73.26	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	183.16	
		For Continuously Welded And Filled Vertical Edge Seam, Add	91.58	
08 13 13 13-0005	EA	2'-6" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	875.29	63.85
		For Galvanized Steel Door, Add	149.52	
		For Type 304 Stainless Steel Door, Add	598.08	
		For Type 316 Stainless Steel Door, Add	971.88	
		For Embossed Panel Door, Add	179.42	
		For Baked Enamel Finish, Add	243.43	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-46.96	
		For >100, Deduct	-68.84	
		For Polystyrene Core, Add	74.76	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	186.90	
		For Continuously Welded And Filled Vertical Edge Seam, Add	93.45	
08 13 13 13-0006	EA	2'-8" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	886.45	63.85
		For Galvanized Steel Door, Add	151.75	
		For Type 304 Stainless Steel Door, Add	607.01	
		For Type 316 Stainless Steel Door, Add	986.39	
		For Embossed Panel Door, Add	182.10	
		For Baked Enamel Finish, Add	246.78	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-47.51	
		For >100, Deduct	-69.68	
		For Polystyrene Core, Add	75.88	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	189.69	
		For Continuously Welded And Filled Vertical Edge Seam, Add	94.85	
08 13 13 13-0007	EA	2'-10" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	893.69	65.23
		For Galvanized Steel Door, Add	152.64	
		For Type 304 Stainless Steel Door, Add	610.58	
		For Type 316 Stainless Steel Door, Add	992.19	
		For Embossed Panel Door, Add	183.17	
		For Baked Enamel Finish, Add	248.54	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-47.95	
		For >100, Deduct	-70.29	
		For Polystyrene Core, Add	76.32	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	190.81	
		For Continuously Welded And Filled Vertical Edge Seam, Add	95.40	
08 13 13 13-0008	EA	3' x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	900.94	66.62
		For Galvanized Steel Door, Add	153.54	
		For Type 304 Stainless Steel Door, Add	614.15	
		For Type 316 Stainless Steel Door, Add	998.00	
		For Embossed Panel Door, Add	184.25	
		For Baked Enamel Finish, Add	250.29	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-48.38	
		For >100, Deduct	-70.90	
		For Polystyrene Core, Add	76.77	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	191.92	
		For Continuously Welded And Filled Vertical Edge Seam, Add	95.96	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 13 13 13-0009	EA		3'-4" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	958.96	66.62
			<i>For Galvanized Steel Door, Add</i>	165.14	
			<i>For Type 304 Stainless Steel Door, Add</i>	660.57	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,073.42	
			<i>For Embossed Panel Door, Add</i>	198.17	
			<i>For Baked Enamel Finish, Add</i>	267.70	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-51.28	
			<i>For &gt;100, Deduct</i>	-75.25	
			<i>For Polystyrene Core, Add</i>	82.57	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	206.43	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	103.21	
08 13 13 13-0010	EA		3'-6" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	986.83	69.40
			<i>For Galvanized Steel Door, Add</i>	169.61	
			<i>For Type 304 Stainless Steel Door, Add</i>	678.42	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,102.44	
			<i>For Embossed Panel Door, Add</i>	203.53	
			<i>For Baked Enamel Finish, Add</i>	275.23	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-52.81	
			<i>For &gt;100, Deduct</i>	-77.48	
			<i>For Polystyrene Core, Add</i>	84.80	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	212.01	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	106.00	
08 13 13 13-0011	EA		4' x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	1,087.20	74.95
			<i>For Galvanized Steel Door, Add</i>	187.46	
			<i>For Type 304 Stainless Steel Door, Add</i>	749.83	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,218.48	
			<i>For Embossed Panel Door, Add</i>	224.95	
			<i>For Baked Enamel Finish, Add</i>	303.67	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-58.11	
			<i>For &gt;100, Deduct</i>	-85.29	
			<i>For Polystyrene Core, Add</i>	93.73	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	234.32	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	117.16	
08 13 13 13-0012			<b>7' High, 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors</b> (08 13 13 13-0001)		
08 13 13 13-0013	EA		2' x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door .....	873.96	61.07
			<i>For Galvanized Steel Door, Add</i>	150.36	
			<i>For Type 304 Stainless Steel Door, Add</i>	601.45	
			<i>For Type 316 Stainless Steel Door, Add</i>	977.35	
			<i>For Embossed Panel Door, Add</i>	180.43	
			<i>For Baked Enamel Finish, Add</i>	243.87	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-46.75	
			<i>For &gt;100, Deduct</i>	-68.60	
			<i>For Polystyrene Core, Add</i>	75.18	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	187.95	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	93.98	
08 13 13 13-0014	EA		2'-4" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door .....	873.96	61.07
			<i>For Galvanized Steel Door, Add</i>	150.36	
			<i>For Type 304 Stainless Steel Door, Add</i>	601.45	
			<i>For Type 316 Stainless Steel Door, Add</i>	977.35	
			<i>For Embossed Panel Door, Add</i>	180.43	
			<i>For Baked Enamel Finish, Add</i>	243.87	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-46.75	
			<i>For &gt;100, Deduct</i>	-68.60	
			<i>For Polystyrene Core, Add</i>	75.18	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	187.95	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	93.98	

**08 Openings****08 10 Doors and Frames****08 13 Metal Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 13 13 13-0015	EA 2'-6" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	894.88	63.85
	For Galvanized Steel Door, Add	153.44	
	For Type 304 Stainless Steel Door, Add	613.75	
	For Type 316 Stainless Steel Door, Add	997.35	
	For Embossed Panel Door, Add	184.13	
	For Baked Enamel Finish, Add	249.31	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-47.94	
	For >100, Deduct	-70.31	
	For Polystyrene Core, Add	76.72	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	191.80	
	For Continuously Welded And Filled Vertical Edge Seam, Add	95.90	
08 13 13 13-0016	EA 2'-8" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	906.33	63.85
	For Galvanized Steel Door, Add	155.73	
	For Type 304 Stainless Steel Door, Add	622.91	
	For Type 316 Stainless Steel Door, Add	1,012.23	
	For Embossed Panel Door, Add	186.87	
	For Baked Enamel Finish, Add	252.75	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-48.51	
	For >100, Deduct	-71.17	
	For Polystyrene Core, Add	77.86	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	194.66	
	For Continuously Welded And Filled Vertical Edge Seam, Add	97.33	
08 13 13 13-0017	EA 2'-10" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	913.69	65.23
	For Galvanized Steel Door, Add	156.64	
	For Type 304 Stainless Steel Door, Add	626.58	
	For Type 316 Stainless Steel Door, Add	1,018.19	
	For Embossed Panel Door, Add	187.97	
	For Baked Enamel Finish, Add	254.54	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-48.95	
	For >100, Deduct	-71.79	
	For Polystyrene Core, Add	78.32	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	195.81	
	For Continuously Welded And Filled Vertical Edge Seam, Add	97.90	
08 13 13 13-0018	EA 3' x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	921.05	66.62
	For Galvanized Steel Door, Add	157.56	
	For Type 304 Stainless Steel Door, Add	630.24	
	For Type 316 Stainless Steel Door, Add	1,024.14	
	For Embossed Panel Door, Add	189.07	
	For Baked Enamel Finish, Add	256.33	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-49.38	
	For >100, Deduct	-72.41	
	For Polystyrene Core, Add	78.78	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	196.95	
	For Continuously Welded And Filled Vertical Edge Seam, Add	98.48	
08 13 13 13-0019	EA 3'-4" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	980.59	66.62
	For Galvanized Steel Door, Add	169.47	
	For Type 304 Stainless Steel Door, Add	677.87	
	For Type 316 Stainless Steel Door, Add	1,101.54	
	For Embossed Panel Door, Add	203.36	
	For Baked Enamel Finish, Add	274.19	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-52.36	
	For >100, Deduct	-76.88	
	For Polystyrene Core, Add	84.73	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	211.84	
	For Continuously Welded And Filled Vertical Edge Seam, Add	105.92	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 13 13 13-0020	EA		3'-6" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	1,009.05	69.40
			<i>For Galvanized Steel Door, Add</i>	174.05	
			<i>For Type 304 Stainless Steel Door, Add</i>	696.20	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,131.33	
			<i>For Embossed Panel Door, Add</i>	208.86	
			<i>For Baked Enamel Finish, Add</i>	281.90	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-53.92	
			<i>For &gt;100, Deduct</i>	-79.15	
			<i>For Polystyrene Core, Add</i>	87.03	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	217.56	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	108.78	
08 13 13 13-0021	EA		4' x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door .....	1,111.76	74.95
			<i>For Galvanized Steel Door, Add</i>	192.37	
			<i>For Type 304 Stainless Steel Door, Add</i>	769.48	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,250.41	
			<i>For Embossed Panel Door, Add</i>	230.84	
			<i>For Baked Enamel Finish, Add</i>	311.04	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-59.34	
			<i>For &gt;100, Deduct</i>	-87.13	
			<i>For Polystyrene Core, Add</i>	96.19	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	240.46	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	120.23	
08 13 13 13-0022			<b>7'-2" High, 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors</b> (08 13 13 13-0001)		
08 13 13 13-0023	EA		2' x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	892.61	61.07
			<i>For Galvanized Steel Door, Add</i>	154.09	
			<i>For Type 304 Stainless Steel Door, Add</i>	616.37	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,001.60	
			<i>For Embossed Panel Door, Add</i>	184.91	
			<i>For Baked Enamel Finish, Add</i>	249.46	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-47.68	
			<i>For &gt;100, Deduct</i>	-70.00	
			<i>For Polystyrene Core, Add</i>	77.05	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	192.62	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	96.31	
08 13 13 13-0024	EA		2'-4" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	892.61	61.07
			<i>For Galvanized Steel Door, Add</i>	154.09	
			<i>For Type 304 Stainless Steel Door, Add</i>	616.37	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,001.60	
			<i>For Embossed Panel Door, Add</i>	184.91	
			<i>For Baked Enamel Finish, Add</i>	249.46	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-47.68	
			<i>For &gt;100, Deduct</i>	-70.00	
			<i>For Polystyrene Core, Add</i>	77.05	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	192.62	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	96.31	
08 13 13 13-0025	EA		2'-6" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	913.91	63.85
			<i>For Galvanized Steel Door, Add</i>	157.24	
			<i>For Type 304 Stainless Steel Door, Add</i>	628.98	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,022.09	
			<i>For Embossed Panel Door, Add</i>	188.69	
			<i>For Baked Enamel Finish, Add</i>	255.02	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-48.89	
			<i>For &gt;100, Deduct</i>	-71.74	
			<i>For Polystyrene Core, Add</i>	78.62	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	196.56	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	98.28	

**08 Openings****08 10 Doors and Frames****08 13 Metal Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 13 13 13-0026	EA	2'-8" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	925.64	63.85
		<i>For Galvanized Steel Door, Add</i>	159.59	
		<i>For Type 304 Stainless Steel Door, Add</i>	638.36	
		<i>For Type 316 Stainless Steel Door, Add</i>	1,037.34	
		<i>For Embossed Panel Door, Add</i>	191.51	
		<i>For Baked Enamel Finish, Add</i>	258.54	
		<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
		<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
		<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
		<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
		<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
		<i>For &gt;50 To 100, Deduct</i>	-49.47	
		<i>For &gt;100, Deduct</i>	-72.62	
		<i>For Polystyrene Core, Add</i>	79.80	
		<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	199.49	
		<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	99.74	
08 13 13 13-0027	EA	2'-10" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	933.11	65.23
		<i>For Galvanized Steel Door, Add</i>	160.53	
		<i>For Type 304 Stainless Steel Door, Add</i>	642.11	
		<i>For Type 316 Stainless Steel Door, Add</i>	1,043.43	
		<i>For Embossed Panel Door, Add</i>	192.63	
		<i>For Baked Enamel Finish, Add</i>	260.36	
		<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
		<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
		<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
		<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
		<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
		<i>For &gt;50 To 100, Deduct</i>	-49.92	
		<i>For &gt;100, Deduct</i>	-73.25	
		<i>For Polystyrene Core, Add</i>	80.26	
		<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	200.66	
		<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	100.33	
08 13 13 13-0028	EA	3' x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	940.59	66.62
		<i>For Galvanized Steel Door, Add</i>	161.47	
		<i>For Type 304 Stainless Steel Door, Add</i>	645.87	
		<i>For Type 316 Stainless Steel Door, Add</i>	1,049.54	
		<i>For Embossed Panel Door, Add</i>	193.76	
		<i>For Baked Enamel Finish, Add</i>	262.19	
		<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
		<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
		<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
		<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
		<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
		<i>For &gt;50 To 100, Deduct</i>	-50.36	
		<i>For &gt;100, Deduct</i>	-73.88	
		<i>For Polystyrene Core, Add</i>	80.73	
		<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	201.84	
		<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	100.92	
08 13 13 13-0029	EA	3'-4" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	1,001.61	66.62
		<i>For Galvanized Steel Door, Add</i>	173.67	
		<i>For Type 304 Stainless Steel Door, Add</i>	694.69	
		<i>For Type 316 Stainless Steel Door, Add</i>	1,128.87	
		<i>For Embossed Panel Door, Add</i>	208.41	
		<i>For Baked Enamel Finish, Add</i>	280.50	
		<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
		<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
		<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
		<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
		<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
		<i>For &gt;50 To 100, Deduct</i>	-53.41	
		<i>For &gt;100, Deduct</i>	-78.45	
		<i>For Polystyrene Core, Add</i>	86.84	
		<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	217.09	
		<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	108.55	
08 13 13 13-0030	EA	3'-6" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	1,030.63	69.40
		<i>For Galvanized Steel Door, Add</i>	178.37	
		<i>For Type 304 Stainless Steel Door, Add</i>	713.46	
		<i>For Type 316 Stainless Steel Door, Add</i>	1,159.38	
		<i>For Embossed Panel Door, Add</i>	214.04	
		<i>For Baked Enamel Finish, Add</i>	288.37	
		<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
		<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
		<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
		<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
		<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
		<i>For &gt;50 To 100, Deduct</i>	-55.00	
		<i>For &gt;100, Deduct</i>	-80.77	
		<i>For Polystyrene Core, Add</i>	89.18	
		<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	222.96	
		<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	111.48	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 13 13 13-0031	EA		4' x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	1,135.61	74.95
			<i>For Galvanized Steel Door, Add</i>	197.14	
			<i>For Type 304 Stainless Steel Door, Add</i>	788.56	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,281.41	
			<i>For Embossed Panel Door, Add</i>	236.57	
			<i>For Baked Enamel Finish, Add</i>	318.20	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-60.53	
			<i>For &gt;100, Deduct</i>	-88.92	
			<i>For Polystyrene Core, Add</i>	98.57	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	246.43	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	123.21	
08 13 13 13-0032			18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Doors <small>(08 13 13 13)</small>		
08 13 13 13-0033			6'-8" High, 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Doors <small>(08 13 13 13-0032)</small>		
08 13 13 13-0034	EA		2' x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	914.04	61.07
			<i>For Galvanized Steel Door, Add</i>	158.38	
			<i>For Type 304 Stainless Steel Door, Add</i>	633.51	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,029.46	
			<i>For Embossed Panel Door, Add</i>	190.05	
			<i>For Baked Enamel Finish, Add</i>	255.89	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-48.76	
			<i>For &gt;100, Deduct</i>	-71.61	
			<i>For 2" Thick Door, Add</i>	60.47	
			<i>For Polystyrene Core, Add</i>	79.19	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	197.97	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	98.99	
			<i>For Steel Stiffened, Add</i>	197.97	
08 13 13 13-0035	EA		2'-4" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	914.04	61.07
			<i>For Galvanized Steel Door, Add</i>	158.38	
			<i>For Type 304 Stainless Steel Door, Add</i>	633.51	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,029.46	
			<i>For Embossed Panel Door, Add</i>	190.05	
			<i>For Baked Enamel Finish, Add</i>	255.89	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-48.76	
			<i>For &gt;100, Deduct</i>	-71.61	
			<i>For 2" Thick Door, Add</i>	60.47	
			<i>For Polystyrene Core, Add</i>	79.19	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	197.97	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	98.99	
			<i>For Steel Stiffened, Add</i>	197.97	
08 13 13 13-0036	EA		2'-6" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	935.77	63.85
			<i>For Galvanized Steel Door, Add</i>	161.62	
			<i>For Type 304 Stainless Steel Door, Add</i>	646.46	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,050.50	
			<i>For Embossed Panel Door, Add</i>	193.94	
			<i>For Baked Enamel Finish, Add</i>	261.58	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-49.98	
			<i>For &gt;100, Deduct</i>	-73.38	
			<i>For 2" Thick Door, Add</i>	61.78	
			<i>For Polystyrene Core, Add</i>	80.81	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	202.02	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	101.01	
			<i>For Steel Stiffened, Add</i>	202.02	

**08 Openings****08 10 Doors and Frames****08 13 Metal Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 13 13 13-0037	EA	2'-8" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	947.83	63.85
		For Galvanized Steel Door, Add	164.03	
		For Type 304 Stainless Steel Door, Add	656.11	
		For Type 316 Stainless Steel Door, Add	1,066.18	
		For Embossed Panel Door, Add	196.83	
		For Baked Enamel Finish, Add	265.20	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-50.58	
		For >100, Deduct	-74.28	
		For 2" Thick Door, Add	62.65	
		For Polystyrene Core, Add	82.01	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	205.04	
		For Continuously Welded And Filled Vertical Edge Seam, Add	102.52	
		For Steel Stiffened, Add	205.04	
08 13 13 13-0038	EA	2'-10" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	955.42	65.23
		For Galvanized Steel Door, Add	164.99	
		For Type 304 Stainless Steel Door, Add	659.96	
		For Type 316 Stainless Steel Door, Add	1,072.44	
		For Embossed Panel Door, Add	197.99	
		For Baked Enamel Finish, Add	267.06	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-51.03	
		For >100, Deduct	-74.92	
		For 2" Thick Door, Add	63.07	
		For Polystyrene Core, Add	82.50	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	206.24	
		For Continuously Welded And Filled Vertical Edge Seam, Add	103.12	
		For Steel Stiffened, Add	206.24	
08 13 13 13-0039	EA	3' x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	963.04	66.62
		For Galvanized Steel Door, Add	165.96	
		For Type 304 Stainless Steel Door, Add	663.83	
		For Type 316 Stainless Steel Door, Add	1,078.73	
		For Embossed Panel Door, Add	199.15	
		For Baked Enamel Finish, Add	268.92	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-51.48	
		For >100, Deduct	-75.56	
		For 2" Thick Door, Add	63.49	
		For Polystyrene Core, Add	82.98	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	207.45	
		For Continuously Welded And Filled Vertical Edge Seam, Add	103.72	
		For Steel Stiffened, Add	207.45	
08 13 13 13-0040	EA	3'-4" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,025.76	66.62
		For Galvanized Steel Door, Add	178.50	
		For Type 304 Stainless Steel Door, Add	714.01	
		For Type 316 Stainless Steel Door, Add	1,160.26	
		For Embossed Panel Door, Add	214.20	
		For Baked Enamel Finish, Add	287.74	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-54.62	
		For >100, Deduct	-80.26	
		For 2" Thick Door, Add	68.04	
		For Polystyrene Core, Add	89.25	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	223.13	
		For Continuously Welded And Filled Vertical Edge Seam, Add	111.56	
		For Steel Stiffened, Add	223.13	
08 13 13 13-0041	EA	3'-6" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,055.43	69.40
		For Galvanized Steel Door, Add	183.33	
		For Type 304 Stainless Steel Door, Add	733.30	
		For Type 316 Stainless Steel Door, Add	1,191.62	
		For Embossed Panel Door, Add	219.99	
		For Baked Enamel Finish, Add	295.81	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-56.24	
		For >100, Deduct	-82.63	
		For 2" Thick Door, Add	69.93	
		For Polystyrene Core, Add	91.66	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	229.16	
		For Continuously Welded And Filled Vertical Edge Seam, Add	114.58	
		For Steel Stiffened, Add	229.16	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 13 13 13-0042	EA		4' x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,163.03	74.95
			<i>For Galvanized Steel Door, Add</i>	202.62	
			<i>For Type 304 Stainless Steel Door, Add</i>	810.50	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,317.06	
			<i>For Embossed Panel Door, Add</i>	243.15	
			<i>For Baked Enamel Finish, Add</i>	326.42	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-61.90	
			<i>For &gt;100, Deduct</i>	-90.98	
			<i>For 2" Thick Door, Add</i>	77.20	
			<i>For Polystyrene Core, Add</i>	101.31	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	253.28	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	126.64	
			<i>For Steel Stiffened, Add</i>	253.28	

**08 13 13 13-0043 7' High, 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Doors**

08 13 13 13-0044	EA		2' x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	932.83	61.07
			<i>For Galvanized Steel Door, Add</i>	162.14	
			<i>For Type 304 Stainless Steel Door, Add</i>	648.54	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,053.88	
			<i>For Embossed Panel Door, Add</i>	194.56	
			<i>For Baked Enamel Finish, Add</i>	261.53	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-49.70	
			<i>For &gt;100, Deduct</i>	-73.02	
			<i>For 2" Thick Door, Add</i>	61.83	
			<i>For Polystyrene Core, Add</i>	81.07	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	202.67	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	101.34	
			<i>For Steel Stiffened, Add</i>	202.67	
08 13 13 13-0045	EA		2'-4" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	932.83	61.07
			<i>For Galvanized Steel Door, Add</i>	162.14	
			<i>For Type 304 Stainless Steel Door, Add</i>	648.54	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,053.88	
			<i>For Embossed Panel Door, Add</i>	194.56	
			<i>For Baked Enamel Finish, Add</i>	261.53	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-49.70	
			<i>For &gt;100, Deduct</i>	-73.02	
			<i>For 2" Thick Door, Add</i>	61.83	
			<i>For Polystyrene Core, Add</i>	81.07	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	202.67	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	101.34	
			<i>For Steel Stiffened, Add</i>	202.67	
08 13 13 13-0046	EA		2'-6" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	954.95	63.85
			<i>For Galvanized Steel Door, Add</i>	165.45	
			<i>For Type 304 Stainless Steel Door, Add</i>	661.81	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,075.44	
			<i>For Embossed Panel Door, Add</i>	198.54	
			<i>For Baked Enamel Finish, Add</i>	267.33	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-50.94	
			<i>For &gt;100, Deduct</i>	-74.81	
			<i>For 2" Thick Door, Add</i>	63.17	
			<i>For Polystyrene Core, Add</i>	82.73	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	206.82	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	103.41	
			<i>For Steel Stiffened, Add</i>	206.82	

**08 Openings****08 10 Doors and Frames****08 13 Metal Doors**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 13 13 13-0047	EA	2'-8" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	967.30	63.85
		For Galvanized Steel Door, Add	167.92	
		For Type 304 Stainless Steel Door, Add	671.69	
		For Type 316 Stainless Steel Door, Add	1,091.49	
		For Embossed Panel Door, Add	201.51	
		For Baked Enamel Finish, Add	271.04	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-51.56	
		For >100, Deduct	-75.74	
		For 2" Thick Door, Add	64.06	
		For Polystyrene Core, Add	83.96	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	209.90	
		For Continuously Welded And Filled Vertical Edge Seam, Add	104.95	
		For Steel Stiffened, Add	209.90	
08 13 13 13-0048	EA	2'-10" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	975.02	65.23
		For Galvanized Steel Door, Add	168.91	
		For Type 304 Stainless Steel Door, Add	675.64	
		For Type 316 Stainless Steel Door, Add	1,097.92	
		For Embossed Panel Door, Add	202.69	
		For Baked Enamel Finish, Add	272.94	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-52.01	
		For >100, Deduct	-76.39	
		For 2" Thick Door, Add	64.49	
		For Polystyrene Core, Add	84.46	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	211.14	
		For Continuously Welded And Filled Vertical Edge Seam, Add	105.57	
		For Steel Stiffened, Add	211.14	
08 13 13 13-0049	EA	3' x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	982.73	66.62
		For Galvanized Steel Door, Add	169.90	
		For Type 304 Stainless Steel Door, Add	679.58	
		For Type 316 Stainless Steel Door, Add	1,104.32	
		For Embossed Panel Door, Add	203.88	
		For Baked Enamel Finish, Add	274.83	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-52.47	
		For >100, Deduct	-77.04	
		For 2" Thick Door, Add	64.92	
		For Polystyrene Core, Add	84.95	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	212.37	
		For Continuously Welded And Filled Vertical Edge Seam, Add	106.19	
		For Steel Stiffened, Add	212.37	
08 13 13 13-0050	EA	3'-4" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,046.94	66.62
		For Galvanized Steel Door, Add	182.74	
		For Type 304 Stainless Steel Door, Add	730.95	
		For Type 316 Stainless Steel Door, Add	1,187.80	
		For Embossed Panel Door, Add	219.29	
		For Baked Enamel Finish, Add	294.09	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-55.68	
		For >100, Deduct	-81.85	
		For 2" Thick Door, Add	69.57	
		For Polystyrene Core, Add	91.37	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	228.42	
		For Continuously Welded And Filled Vertical Edge Seam, Add	114.21	
		For Steel Stiffened, Add	228.42	
08 13 13 13-0051	EA	3'-6" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,077.19	69.40
		For Galvanized Steel Door, Add	187.68	
		For Type 304 Stainless Steel Door, Add	750.71	
		For Type 316 Stainless Steel Door, Add	1,219.91	
		For Embossed Panel Door, Add	225.21	
		For Baked Enamel Finish, Add	302.34	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-57.33	
		For >100, Deduct	-84.26	
		For 2" Thick Door, Add	71.50	
		For Polystyrene Core, Add	93.84	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	234.60	
		For Continuously Welded And Filled Vertical Edge Seam, Add	117.30	
		For Steel Stiffened, Add	234.60	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 13 13 13-0052	EA		4' x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,187.07	74.95
			<i>For Galvanized Steel Door, Add</i>	207.43	
			<i>For Type 304 Stainless Steel Door, Add</i>	829.73	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,348.31	
			<i>For Embossed Panel Door, Add</i>	248.92	
			<i>For Baked Enamel Finish, Add</i>	333.63	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-63.10	
			<i>For &gt;100, Deduct</i>	-92.78	
			<i>For 2" Thick Door, Add</i>	78.94	
			<i>For Polystyrene Core, Add</i>	103.72	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	259.29	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	129.65	
			<i>For Steel Stiffened, Add</i>	259.29	

**08 13 13 13-0053 7'-2" High, 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Doors**

08 13 13 13-0054	EA		2' x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	951.63	61.07
			<i>For Galvanized Steel Door, Add</i>	165.90	
			<i>For Type 304 Stainless Steel Door, Add</i>	663.58	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,078.32	
			<i>For Embossed Panel Door, Add</i>	199.08	
			<i>For Baked Enamel Finish, Add</i>	267.17	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-50.64	
			<i>For &gt;100, Deduct</i>	-74.43	
			<i>For 2" Thick Door, Add</i>	63.19	
			<i>For Polystyrene Core, Add</i>	82.95	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	207.37	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	103.69	
			<i>For Steel Stiffened, Add</i>	207.37	

08 13 13 13-0055	EA		2'-4" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	951.63	61.07
			<i>For Galvanized Steel Door, Add</i>	165.90	
			<i>For Type 304 Stainless Steel Door, Add</i>	663.58	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,078.32	
			<i>For Embossed Panel Door, Add</i>	199.08	
			<i>For Baked Enamel Finish, Add</i>	267.17	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-50.64	
			<i>For &gt;100, Deduct</i>	-74.43	
			<i>For 2" Thick Door, Add</i>	63.19	
			<i>For Polystyrene Core, Add</i>	82.95	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	207.37	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	103.69	
			<i>For Steel Stiffened, Add</i>	207.37	

08 13 13 13-0056	EA		2'-6" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	974.13	63.85
			<i>For Galvanized Steel Door, Add</i>	169.29	
			<i>For Type 304 Stainless Steel Door, Add</i>	677.15	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,100.37	
			<i>For Embossed Panel Door, Add</i>	203.15	
			<i>For Baked Enamel Finish, Add</i>	273.09	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-51.90	
			<i>For &gt;100, Deduct</i>	-76.25	
			<i>For 2" Thick Door, Add</i>	64.56	
			<i>For Polystyrene Core, Add</i>	84.64	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	211.61	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	105.81	
			<i>For Steel Stiffened, Add</i>	211.61	

**08 Openings****08 10 Doors and Frames****08 13 Metal Doors**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 13 13 13-0057	EA	2'-8" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	986.76	63.85
		For Galvanized Steel Door, Add	171.81	
		For Type 304 Stainless Steel Door, Add	687.26	
		For Type 316 Stainless Steel Door, Add	1,116.79	
		For Embossed Panel Door, Add	206.18	
		For Baked Enamel Finish, Add	276.87	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-52.53	
		For >100, Deduct	-77.20	
		For 2" Thick Door, Add	65.47	
		For Polystyrene Core, Add	85.91	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	214.77	
		For Continuously Welded And Filled Vertical Edge Seam, Add	107.38	
		For Steel Stiffened, Add	214.77	
08 13 13 13-0058	EA	3' x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,002.43	66.62
		For Galvanized Steel Door, Add	173.84	
		For Type 304 Stainless Steel Door, Add	695.34	
		For Type 316 Stainless Steel Door, Add	1,129.93	
		For Embossed Panel Door, Add	208.60	
		For Baked Enamel Finish, Add	280.74	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-53.45	
		For >100, Deduct	-78.51	
		For 2" Thick Door, Add	66.35	
		For Polystyrene Core, Add	86.92	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	217.30	
		For Continuously Welded And Filled Vertical Edge Seam, Add	108.65	
		For Steel Stiffened, Add	217.30	
08 13 13 13-0059	EA	3'-4" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,068.12	66.62
		For Galvanized Steel Door, Add	186.97	
		For Type 304 Stainless Steel Door, Add	747.90	
		For Type 316 Stainless Steel Door, Add	1,215.33	
		For Embossed Panel Door, Add	224.37	
		For Baked Enamel Finish, Add	300.45	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-56.74	
		For >100, Deduct	-83.44	
		For 2" Thick Door, Add	71.11	
		For Polystyrene Core, Add	93.49	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	233.72	
		For Continuously Welded And Filled Vertical Edge Seam, Add	116.86	
		For Steel Stiffened, Add	233.72	
08 13 13 13-0060	EA	3'-6" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,098.94	69.40
		For Galvanized Steel Door, Add	192.03	
		For Type 304 Stainless Steel Door, Add	768.11	
		For Type 316 Stainless Steel Door, Add	1,248.18	
		For Embossed Panel Door, Add	230.43	
		For Baked Enamel Finish, Add	308.86	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-58.42	
		For >100, Deduct	-85.89	
		For 2" Thick Door, Add	73.08	
		For Polystyrene Core, Add	96.01	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	240.04	
		For Continuously Welded And Filled Vertical Edge Seam, Add	120.02	
		For Steel Stiffened, Add	240.04	
08 13 13 13-0061	EA	4' x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,211.12	74.95
		For Galvanized Steel Door, Add	212.24	
		For Type 304 Stainless Steel Door, Add	848.97	
		For Type 316 Stainless Steel Door, Add	1,379.57	
		For Embossed Panel Door, Add	254.69	
		For Baked Enamel Finish, Add	340.85	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-64.30	
		For >100, Deduct	-94.58	
		For 2" Thick Door, Add	80.69	
		For Polystyrene Core, Add	106.12	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	265.30	
		For Continuously Welded And Filled Vertical Edge Seam, Add	132.65	
		For Steel Stiffened, Add	265.30	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**08 13 13 13-0062 8' High, 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Doors** (08 13 13 13-0032)

08 13 13 13-0063	EA		2' x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,106.65	61.07
			<i>For Up To 1' Extra Height, Add</i>	272.41	
			<i>For 1' To 1'-6" Extra Height, Add</i>	519.72	
			<i>For Galvanized Steel Door, Add</i>	196.90	
			<i>For Type 304 Stainless Steel Door, Add</i>	787.60	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,279.85	
			<i>For Embossed Panel Door, Add</i>	236.28	
			<i>For Baked Enamel Finish, Add</i>	313.67	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-58.39	
			<i>For &gt;100, Deduct</i>	-86.05	
			<i>For 2" Thick Door, Add</i>	74.43	
			<i>For Polystyrene Core, Add</i>	98.45	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	246.13	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	123.06	
			<i>For Steel Stiffened, Add</i>	246.13	
08 13 13 13-0064	EA		2'-4" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,106.65	61.07
			<i>For Up To 1' Extra Height, Add</i>	272.41	
			<i>For 1' To 1'-6" Extra Height, Add</i>	519.72	
			<i>For Galvanized Steel Door, Add</i>	196.90	
			<i>For Type 304 Stainless Steel Door, Add</i>	787.60	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,279.85	
			<i>For Embossed Panel Door, Add</i>	236.28	
			<i>For Baked Enamel Finish, Add</i>	313.67	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-58.39	
			<i>For &gt;100, Deduct</i>	-86.05	
			<i>For 2" Thick Door, Add</i>	74.43	
			<i>For Polystyrene Core, Add</i>	98.45	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	246.13	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	123.06	
			<i>For Steel Stiffened, Add</i>	246.13	
08 13 13 13-0065	EA		2'-6" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,132.33	63.85
			<i>For Up To 1' Extra Height, Add</i>	277.98	
			<i>For 1' To 1'-6" Extra Height, Add</i>	530.35	
			<i>For Galvanized Steel Door, Add</i>	200.93	
			<i>For Type 304 Stainless Steel Door, Add</i>	803.71	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,306.03	
			<i>For Embossed Panel Door, Add</i>	241.11	
			<i>For Baked Enamel Finish, Add</i>	320.55	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-59.81	
			<i>For &gt;100, Deduct</i>	-88.12	
			<i>For 2" Thick Door, Add</i>	76.03	
			<i>For Polystyrene Core, Add</i>	100.46	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	251.16	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	125.58	
			<i>For Steel Stiffened, Add</i>	251.16	
08 13 13 13-0066	EA		2'-8" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,147.32	63.85
			<i>For Up To 1' Extra Height, Add</i>	282.13	
			<i>For 1' To 1'-6" Extra Height, Add</i>	538.26	
			<i>For Galvanized Steel Door, Add</i>	203.93	
			<i>For Type 304 Stainless Steel Door, Add</i>	815.70	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,325.52	
			<i>For Embossed Panel Door, Add</i>	244.71	
			<i>For Baked Enamel Finish, Add</i>	325.04	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-60.56	
			<i>For &gt;100, Deduct</i>	-89.24	
			<i>For 2" Thick Door, Add</i>	77.12	
			<i>For Polystyrene Core, Add</i>	101.96	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	254.91	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	127.45	
			<i>For Steel Stiffened, Add</i>	254.91	

**08 Openings****08 10 Doors and Frames****08 13 Metal Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0067	EA	2'-10" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,156.09	65.23
			For Up To 1' Extra Height, Add	283.79	
			For 1' To 1'-6" Extra Height, Add	541.42	
			For Galvanized Steel Door, Add	205.12	
			For Type 304 Stainless Steel Door, Add	820.50	
			For Type 316 Stainless Steel Door, Add	1,333.31	
			For Embossed Panel Door, Add	246.15	
			For Baked Enamel Finish, Add	327.26	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-61.07	
			For >100, Deduct	-89.97	
			For 2" Thick Door, Add	77.62	
			For Polystyrene Core, Add	102.56	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	256.41	
			For Continuously Welded And Filled Vertical Edge Seam, Add	128.20	
			For Steel Stiffened, Add	256.41	
08 13 13	13-0068	EA	3' x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,164.87	66.62
			For Up To 1' Extra Height, Add	285.45	
			For 1' To 1'-6" Extra Height, Add	544.59	
			For Galvanized Steel Door, Add	206.32	
			For Type 304 Stainless Steel Door, Add	825.30	
			For Type 316 Stainless Steel Door, Add	1,341.11	
			For Embossed Panel Door, Add	247.59	
			For Baked Enamel Finish, Add	329.47	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-61.57	
			For >100, Deduct	-90.70	
			For 2" Thick Door, Add	78.12	
			For Polystyrene Core, Add	103.16	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	257.91	
			For Continuously Welded And Filled Vertical Edge Seam, Add	128.95	
			For Steel Stiffened, Add	257.91	
08 13 13	13-0069	EA	3'-4" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,242.85	66.62
			For Up To 1' Extra Height, Add	307.03	
			For 1' To 1'-6" Extra Height, Add	585.76	
			For Galvanized Steel Door, Add	221.92	
			For Type 304 Stainless Steel Door, Add	887.68	
			For Type 316 Stainless Steel Door, Add	1,442.48	
			For Embossed Panel Door, Add	266.30	
			For Baked Enamel Finish, Add	352.87	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-65.47	
			For >100, Deduct	-96.55	
			For 2" Thick Door, Add	83.78	
			For Polystyrene Core, Add	110.96	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	277.40	
			For Continuously Welded And Filled Vertical Edge Seam, Add	138.70	
			For Steel Stiffened, Add	277.40	
08 13 13	13-0070	EA	3'-6" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,278.39	69.40
			For Up To 1' Extra Height, Add	315.32	
			For 1' To 1'-6" Extra Height, Add	601.59	
			For Galvanized Steel Door, Add	227.92	
			For Type 304 Stainless Steel Door, Add	911.67	
			For Type 316 Stainless Steel Door, Add	1,481.47	
			For Embossed Panel Door, Add	273.50	
			For Baked Enamel Finish, Add	362.70	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-67.39	
			For >100, Deduct	-99.35	
			For 2" Thick Door, Add	86.09	
			For Polystyrene Core, Add	113.96	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	284.90	
			For Continuously Welded And Filled Vertical Edge Seam, Add	142.45	
			For Steel Stiffened, Add	284.90	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 13 13 13-0071	EA		4' x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,409.45	74.95
			<i>For Up To 1' Extra Height, Add</i>	348.51	
			<i>For 1' To 1'-6" Extra Height, Add</i>	664.91	
			<i>For Galvanized Steel Door, Add</i>	251.91	
			<i>For Type 304 Stainless Steel Door, Add</i>	1,007.63	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,637.40	
			<i>For Embossed Panel Door, Add</i>	302.29	
			<i>For Baked Enamel Finish, Add</i>	400.35	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-74.22	
			<i>For &gt;100, Deduct</i>	-109.46	
			<i>For 2" Thick Door, Add</i>	95.06	
			<i>For Polystyrene Core, Add</i>	125.95	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	314.89	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	157.44	
			<i>For Steel Stiffened, Add</i>	314.89	
08 13 13 13-0072			<b>16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Doors</b> <small>(08 13 13 13)</small>		
08 13 13 13-0073			<b>6'-8" High, 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Doors</b> <small>(08 13 13 13-0072)</small>		
08 13 13 13-0074	EA		2' x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,218.91	61.07
			<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	438.70	
			<i>For Galvanized Steel Door, Add</i>	219.35	
			<i>For Type 304 Stainless Steel Door, Add</i>	877.41	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,425.79	
			<i>For Embossed Panel Door, Add</i>	263.22	
			<i>For Baked Enamel Finish, Add</i>	347.35	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-64.00	
			<i>For &gt;100, Deduct</i>	-94.47	
			<i>For 2" Thick Door, Add</i>	82.57	
			<i>For Polystyrene Core, Add</i>	109.68	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	274.19	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	137.10	
			<i>For Steel Stiffened, Add</i>	274.19	
08 13 13 13-0075	EA		2'-4" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,218.91	61.07
			<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	438.70	
			<i>For Galvanized Steel Door, Add</i>	219.35	
			<i>For Type 304 Stainless Steel Door, Add</i>	877.41	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,425.79	
			<i>For Embossed Panel Door, Add</i>	263.22	
			<i>For Baked Enamel Finish, Add</i>	347.35	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-64.00	
			<i>For &gt;100, Deduct</i>	-94.47	
			<i>For 2" Thick Door, Add</i>	82.57	
			<i>For Polystyrene Core, Add</i>	109.68	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	274.19	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	137.10	
			<i>For Steel Stiffened, Add</i>	274.19	
08 13 13 13-0076	EA		2'-6" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,246.89	63.85
			<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	447.68	
			<i>For Galvanized Steel Door, Add</i>	223.84	
			<i>For Type 304 Stainless Steel Door, Add</i>	895.36	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,454.96	
			<i>For Embossed Panel Door, Add</i>	268.61	
			<i>For Baked Enamel Finish, Add</i>	354.91	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-65.54	
			<i>For &gt;100, Deduct</i>	-96.71	
			<i>For 2" Thick Door, Add</i>	84.33	
			<i>For Polystyrene Core, Add</i>	111.92	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	279.80	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	139.90	
			<i>For Steel Stiffened, Add</i>	279.80	

**08 Openings****08 10 Doors and Frames****08 13 Metal Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0077	EA	2'-8" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,263.59	63.85
			For 14 Gauge, Level 4 Maximum Duty, Add	454.36	
			For Galvanized Steel Door, Add	227.18	
			For Type 304 Stainless Steel Door, Add	908.72	
			For Type 316 Stainless Steel Door, Add	1,476.67	
			For Embossed Panel Door, Add	272.62	
			For Baked Enamel Finish, Add	359.92	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-66.37	
			For >100, Deduct	-97.96	
			For 2" Thick Door, Add	85.55	
			For Polystyrene Core, Add	113.59	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	283.98	
			For Continuously Welded And Filled Vertical Edge Seam, Add	141.99	
			For Steel Stiffened, Add	283.98	
08 13 13	13-0078	EA	2'-10" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,273.07	65.23
			For 14 Gauge, Level 4 Maximum Duty, Add	457.04	
			For Galvanized Steel Door, Add	228.52	
			For Type 304 Stainless Steel Door, Add	914.08	
			For Type 316 Stainless Steel Door, Add	1,485.38	
			For Embossed Panel Door, Add	274.22	
			For Baked Enamel Finish, Add	362.35	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-66.92	
			For >100, Deduct	-98.74	
			For 2" Thick Door, Add	86.10	
			For Polystyrene Core, Add	114.26	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	285.65	
			For Continuously Welded And Filled Vertical Edge Seam, Add	142.83	
			For Steel Stiffened, Add	285.65	
08 13 13	13-0079	EA	3' x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,282.52	66.62
			For 14 Gauge, Level 4 Maximum Duty, Add	459.71	
			For Galvanized Steel Door, Add	229.85	
			For Type 304 Stainless Steel Door, Add	919.42	
			For Type 316 Stainless Steel Door, Add	1,494.05	
			For Embossed Panel Door, Add	275.82	
			For Baked Enamel Finish, Add	364.77	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-67.46	
			For >100, Deduct	-99.52	
			For 2" Thick Door, Add	86.65	
			For Polystyrene Core, Add	114.93	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	287.32	
			For Continuously Welded And Filled Vertical Edge Seam, Add	143.66	
			For Steel Stiffened, Add	287.32	
08 13 13	13-0080	EA	3'-4" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,369.38	66.62
			For 14 Gauge, Level 4 Maximum Duty, Add	494.45	
			For Galvanized Steel Door, Add	247.23	
			For Type 304 Stainless Steel Door, Add	988.90	
			For Type 316 Stainless Steel Door, Add	1,606.97	
			For Embossed Panel Door, Add	296.67	
			For Baked Enamel Finish, Add	390.83	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-71.80	
			For >100, Deduct	-106.03	
			For 2" Thick Door, Add	92.95	
			For Polystyrene Core, Add	123.61	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	309.03	
			For Continuously Welded And Filled Vertical Edge Seam, Add	154.52	
			For Steel Stiffened, Add	309.03	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 13 13 13-0081	EA		3'-6" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,408.34	69.40
			<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	507.82	
			<i>For Galvanized Steel Door, Add</i>	253.91	
			<i>For Type 304 Stainless Steel Door, Add</i>	1,015.63	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,650.40	
			<i>For Embossed Panel Door, Add</i>	304.69	
			<i>For Baked Enamel Finish, Add</i>	401.68	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-73.89	
			<i>For &gt;100, Deduct</i>	-109.10	
			<i>For 2" Thick Door, Add</i>	95.51	
			<i>For Polystyrene Core, Add</i>	126.95	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	317.39	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	158.69	
			<i>For Steel Stiffened, Add</i>	317.39	
08 13 13 13-0082	EA		4' x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,553.08	74.95
			<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	561.27	
			<i>For Galvanized Steel Door, Add</i>	280.63	
			<i>For Type 304 Stainless Steel Door, Add</i>	1,122.54	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,624.12	
			<i>For Embossed Panel Door, Add</i>	336.76	
			<i>For Baked Enamel Finish, Add</i>	443.44	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-81.40	
			<i>For &gt;100, Deduct</i>	-120.23	
			<i>For 2" Thick Door, Add</i>	105.48	
			<i>For Polystyrene Core, Add</i>	140.32	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	350.79	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	175.40	
			<i>For Steel Stiffened, Add</i>	350.79	

**08 13 13 13-0083 7' High, 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Doors** (08 13 13 13-0072)

08 13 13 13-0084	EA		2' x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,244.95	61.07
			<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	449.12	
			<i>For Galvanized Steel Door, Add</i>	224.56	
			<i>For Type 304 Stainless Steel Door, Add</i>	898.24	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,459.64	
			<i>For Embossed Panel Door, Add</i>	269.47	
			<i>For Baked Enamel Finish, Add</i>	355.16	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-65.30	
			<i>For &gt;100, Deduct</i>	-96.43	
			<i>For 2" Thick Door, Add</i>	84.46	
			<i>For Polystyrene Core, Add</i>	112.28	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	280.70	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	140.35	
			<i>For Steel Stiffened, Add</i>	280.70	
08 13 13 13-0085	EA		2'-4" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,244.95	61.07
			<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	449.12	
			<i>For Galvanized Steel Door, Add</i>	224.56	
			<i>For Type 304 Stainless Steel Door, Add</i>	898.24	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,459.64	
			<i>For Embossed Panel Door, Add</i>	269.47	
			<i>For Baked Enamel Finish, Add</i>	355.16	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-65.30	
			<i>For &gt;100, Deduct</i>	-96.43	
			<i>For 2" Thick Door, Add</i>	84.46	
			<i>For Polystyrene Core, Add</i>	112.28	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	280.70	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	140.35	
			<i>For Steel Stiffened, Add</i>	280.70	

**08 Openings****08 10 Doors and Frames****08 13 Metal Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0086	EA	2'-6" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,273.45	63.85
			For 14 Gauge, Level 4 Maximum Duty, Add	458.30	
			For Galvanized Steel Door, Add	229.15	
			For Type 304 Stainless Steel Door, Add	916.61	
			For Type 316 Stainless Steel Door, Add	1,489.49	
			For Embossed Panel Door, Add	274.98	
			For Baked Enamel Finish, Add	362.88	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-66.86	
			For >100, Deduct	-98.70	
			For 2" Thick Door, Add	86.26	
			For Polystyrene Core, Add	114.58	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	286.44	
			For Continuously Welded And Filled Vertical Edge Seam, Add	143.22	
			For Steel Stiffened, Add	286.44	
08 13 13	13-0087	EA	2'-8" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,290.55	63.85
			For 14 Gauge, Level 4 Maximum Duty, Add	465.14	
			For Galvanized Steel Door, Add	232.57	
			For Type 304 Stainless Steel Door, Add	930.29	
			For Type 316 Stainless Steel Door, Add	1,511.72	
			For Embossed Panel Door, Add	279.09	
			For Baked Enamel Finish, Add	368.01	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-67.72	
			For >100, Deduct	-99.98	
			For 2" Thick Door, Add	87.50	
			For Polystyrene Core, Add	116.29	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	290.72	
			For Continuously Welded And Filled Vertical Edge Seam, Add	145.36	
			For Steel Stiffened, Add	290.72	
08 13 13	13-0088	EA	2'-10" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,300.17	65.23
			For 14 Gauge, Level 4 Maximum Duty, Add	467.88	
			For Galvanized Steel Door, Add	233.94	
			For Type 304 Stainless Steel Door, Add	935.76	
			For Type 316 Stainless Steel Door, Add	1,520.61	
			For Embossed Panel Door, Add	280.73	
			For Baked Enamel Finish, Add	370.48	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-68.27	
			For >100, Deduct	-100.77	
			For 2" Thick Door, Add	88.07	
			For Polystyrene Core, Add	116.97	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	292.43	
			For Continuously Welded And Filled Vertical Edge Seam, Add	146.21	
			For Steel Stiffened, Add	292.43	
08 13 13	13-0089	EA	3' x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,309.79	66.62
			For 14 Gauge, Level 4 Maximum Duty, Add	470.62	
			For Galvanized Steel Door, Add	235.31	
			For Type 304 Stainless Steel Door, Add	941.23	
			For Type 316 Stainless Steel Door, Add	1,529.50	
			For Embossed Panel Door, Add	282.37	
			For Baked Enamel Finish, Add	372.95	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-68.82	
			For >100, Deduct	-101.57	
			For 2" Thick Door, Add	88.63	
			For Polystyrene Core, Add	117.65	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	294.14	
			For Continuously Welded And Filled Vertical Edge Seam, Add	147.07	
			For Steel Stiffened, Add	294.14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 13 13 13-0090	EA		3'-4" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	1,398.71	66.62
			<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	506.18	
			<i>For Galvanized Steel Door, Add</i>	253.09	
			<i>For Type 304 Stainless Steel Door, Add</i>	1,012.37	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,645.10	
			<i>For Embossed Panel Door, Add</i>	303.71	
			<i>For Baked Enamel Finish, Add</i>	399.63	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-73.27	
			<i>For &gt;100, Deduct</i>	-108.23	
			<i>For 2" Thick Door, Add</i>	95.08	
			<i>For Polystyrene Core, Add</i>	126.55	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	316.37	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	158.18	
			<i>For Steel Stiffened, Add</i>	316.37	
08 13 13 13-0091	EA		3'-6" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	1,438.46	69.40
			<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	519.86	
			<i>For Galvanized Steel Door, Add</i>	259.93	
			<i>For Type 304 Stainless Steel Door, Add</i>	1,039.73	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,689.56	
			<i>For Embossed Panel Door, Add</i>	311.92	
			<i>For Baked Enamel Finish, Add</i>	410.72	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-75.39	
			<i>For &gt;100, Deduct</i>	-111.35	
			<i>For 2" Thick Door, Add</i>	97.70	
			<i>For Polystyrene Core, Add</i>	129.97	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	324.92	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	162.46	
			<i>For Steel Stiffened, Add</i>	324.92	
08 13 13 13-0092	EA		4' x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	1,586.38	74.95
			<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	574.59	
			<i>For Galvanized Steel Door, Add</i>	287.29	
			<i>For Type 304 Stainless Steel Door, Add</i>	1,149.18	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,867.41	
			<i>For Embossed Panel Door, Add</i>	344.75	
			<i>For Baked Enamel Finish, Add</i>	453.43	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-83.07	
			<i>For &gt;100, Deduct</i>	-122.73	
			<i>For 2" Thick Door, Add</i>	107.89	
			<i>For Polystyrene Core, Add</i>	143.65	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	359.12	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	179.56	
			<i>For Steel Stiffened, Add</i>	359.12	
08 13 13 13-0093			<b>7'-2" High, 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Doors</b>		
			<small>(08 13 13 13-0072)</small>		
08 13 13 13-0094	EA		2' x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	1,270.98	61.07
			<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	459.53	
			<i>For Galvanized Steel Door, Add</i>	229.77	
			<i>For Type 304 Stainless Steel Door, Add</i>	919.06	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,493.48	
			<i>For Embossed Panel Door, Add</i>	275.72	
			<i>For Baked Enamel Finish, Add</i>	362.97	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-66.60	
			<i>For &gt;100, Deduct</i>	-98.38	
			<i>For 2" Thick Door, Add</i>	86.34	
			<i>For Polystyrene Core, Add</i>	114.88	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	287.21	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	143.60	
			<i>For Steel Stiffened, Add</i>	287.21	

**08 Openings****08 10 Doors and Frames****08 13 Metal Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0095	EA	2'-4" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,270.98	61.07
			For 14 Gauge, Level 4 Maximum Duty, Add	459.53	
			For Galvanized Steel Door, Add	229.77	
			For Type 304 Stainless Steel Door, Add	919.06	
			For Type 316 Stainless Steel Door, Add	1,493.48	
			For Embossed Panel Door, Add	275.72	
			For Baked Enamel Finish, Add	362.97	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-66.60	
			For >100, Deduct	-98.38	
			For 2" Thick Door, Add	86.34	
			For Polystyrene Core, Add	114.88	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	287.21	
			For Continuously Welded And Filled Vertical Edge Seam, Add	143.60	
			For Steel Stiffened, Add	287.21	
08 13 13	13-0096	EA	2'-6" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,300.01	63.85
			For 14 Gauge, Level 4 Maximum Duty, Add	468.93	
			For Galvanized Steel Door, Add	234.46	
			For Type 304 Stainless Steel Door, Add	937.86	
			For Type 316 Stainless Steel Door, Add	1,524.02	
			For Embossed Panel Door, Add	281.36	
			For Baked Enamel Finish, Add	370.85	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-68.19	
			For >100, Deduct	-100.69	
			For 2" Thick Door, Add	88.19	
			For Polystyrene Core, Add	117.23	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	293.08	
			For Continuously Welded And Filled Vertical Edge Seam, Add	146.54	
			For Steel Stiffened, Add	293.08	
08 13 13	13-0097	EA	2'-8" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,317.51	63.85
			For 14 Gauge, Level 4 Maximum Duty, Add	475.93	
			For Galvanized Steel Door, Add	237.96	
			For Type 304 Stainless Steel Door, Add	951.86	
			For Type 316 Stainless Steel Door, Add	1,546.77	
			For Embossed Panel Door, Add	285.56	
			For Baked Enamel Finish, Add	376.10	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-69.07	
			For >100, Deduct	-102.01	
			For 2" Thick Door, Add	89.45	
			For Polystyrene Core, Add	118.98	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	297.46	
			For Continuously Welded And Filled Vertical Edge Seam, Add	148.73	
			For Steel Stiffened, Add	297.46	
08 13 13	13-0098	EA	2'-10" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,327.30	65.23
			For 14 Gauge, Level 4 Maximum Duty, Add	478.73	
			For Galvanized Steel Door, Add	239.37	
			For Type 304 Stainless Steel Door, Add	957.46	
			For Type 316 Stainless Steel Door, Add	1,555.88	
			For Embossed Panel Door, Add	287.24	
			For Baked Enamel Finish, Add	378.62	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-69.63	
			For >100, Deduct	-102.81	
			For 2" Thick Door, Add	90.03	
			For Polystyrene Core, Add	119.68	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	299.21	
			For Continuously Welded And Filled Vertical Edge Seam, Add	149.60	
			For Steel Stiffened, Add	299.21	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 13 13 13-0099	EA		3' x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,337.06	66.62
			<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	481.52	
			<i>For Galvanized Steel Door, Add</i>	240.76	
			<i>For Type 304 Stainless Steel Door, Add</i>	963.05	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,564.95	
			<i>For Embossed Panel Door, Add</i>	288.91	
			<i>For Baked Enamel Finish, Add</i>	381.13	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-70.18	
			<i>For &gt;100, Deduct</i>	-103.61	
			<i>For 2" Thick Door, Add</i>	90.61	
			<i>For Polystyrene Core, Add</i>	120.38	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	300.95	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	150.48	
			<i>For Steel Stiffened, Add</i>	300.95	
08 13 13 13-0100	EA		3'-4" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,428.05	66.62
			<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	517.92	
			<i>For Galvanized Steel Door, Add</i>	258.96	
			<i>For Type 304 Stainless Steel Door, Add</i>	1,035.84	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,683.24	
			<i>For Embossed Panel Door, Add</i>	310.75	
			<i>For Baked Enamel Finish, Add</i>	408.43	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-74.73	
			<i>For &gt;100, Deduct</i>	-110.44	
			<i>For 2" Thick Door, Add</i>	97.20	
			<i>For Polystyrene Core, Add</i>	129.48	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	323.70	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	161.85	
			<i>For Steel Stiffened, Add</i>	323.70	
08 13 13 13-0101	EA		3'-6" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,468.60	69.40
			<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	531.92	
			<i>For Galvanized Steel Door, Add</i>	265.96	
			<i>For Type 304 Stainless Steel Door, Add</i>	1,063.84	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,728.74	
			<i>For Embossed Panel Door, Add</i>	319.15	
			<i>For Baked Enamel Finish, Add</i>	419.76	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-76.90	
			<i>For &gt;100, Deduct</i>	-113.62	
			<i>For 2" Thick Door, Add</i>	99.88	
			<i>For Polystyrene Core, Add</i>	132.98	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	332.45	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	166.23	
			<i>For Steel Stiffened, Add</i>	332.45	
08 13 13 13-0102	EA		4' x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,619.68	74.95
			<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	587.91	
			<i>For Galvanized Steel Door, Add</i>	293.95	
			<i>For Type 304 Stainless Steel Door, Add</i>	1,175.82	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,910.70	
			<i>For Embossed Panel Door, Add</i>	352.74	
			<i>For Baked Enamel Finish, Add</i>	463.42	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-84.73	
			<i>For &gt;100, Deduct</i>	-125.22	
			<i>For 2" Thick Door, Add</i>	110.31	
			<i>For Polystyrene Core, Add</i>	146.98	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	367.44	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	183.72	
			<i>For Steel Stiffened, Add</i>	367.44	

08 13 13 13-0103      8' High, 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Doors (08 13 13 13-0072)

**08 Openings****08 10 Doors and Frames****08 13 Metal Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 13 13 13-0104	EA 2' x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,485.68	61.07
	For Up To 1' Extra Height, Add	377.29	
	For 14 Gauge, Level 4 Maximum Duty, Add	545.41	
	For Galvanized Steel Door, Add	272.71	
	For Type 304 Stainless Steel Door, Add	1,090.82	
	For Type 316 Stainless Steel Door, Add	1,772.59	
	For Embossed Panel Door, Add	327.25	
	For Baked Enamel Finish, Add	427.38	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-77.34	
	For >100, Deduct	-114.48	
	For 2" Thick Door, Add	101.91	
	For Polystyrene Core, Add	136.35	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	340.88	
	For Continuously Welded And Filled Vertical Edge Seam, Add	170.44	
	For Steel Stiffened, Add	340.88	
08 13 13 13-0105	EA 2'-4" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,485.68	61.07
	For Up To 1' Extra Height, Add	377.29	
	For 14 Gauge, Level 4 Maximum Duty, Add	545.41	
	For Galvanized Steel Door, Add	272.71	
	For Type 304 Stainless Steel Door, Add	1,090.82	
	For Type 316 Stainless Steel Door, Add	1,772.59	
	For Embossed Panel Door, Add	327.25	
	For Baked Enamel Finish, Add	427.38	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-77.34	
	For >100, Deduct	-114.48	
	For 2" Thick Door, Add	101.91	
	For Polystyrene Core, Add	136.35	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	340.88	
	For Continuously Welded And Filled Vertical Edge Seam, Add	170.44	
	For Steel Stiffened, Add	340.88	
08 13 13 13-0106	EA 2'-6" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,519.11	63.85
	For Up To 1' Extra Height, Add	385.01	
	For 14 Gauge, Level 4 Maximum Duty, Add	556.57	
	For Galvanized Steel Door, Add	278.28	
	For Type 304 Stainless Steel Door, Add	1,113.14	
	For Type 316 Stainless Steel Door, Add	1,808.85	
	For Embossed Panel Door, Add	333.94	
	For Baked Enamel Finish, Add	436.58	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-79.15	
	For >100, Deduct	-117.13	
	For 2" Thick Door, Add	104.07	
	For Polystyrene Core, Add	139.14	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	347.86	
	For Continuously Welded And Filled Vertical Edge Seam, Add	173.93	
	For Steel Stiffened, Add	347.86	
08 13 13 13-0107	EA 2'-8" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,539.88	63.85
	For Up To 1' Extra Height, Add	390.75	
	For 14 Gauge, Level 4 Maximum Duty, Add	564.88	
	For Galvanized Steel Door, Add	282.44	
	For Type 304 Stainless Steel Door, Add	1,129.75	
	For Type 316 Stainless Steel Door, Add	1,835.85	
	For Embossed Panel Door, Add	338.93	
	For Baked Enamel Finish, Add	442.81	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-80.19	
	For >100, Deduct	-118.68	
	For 2" Thick Door, Add	105.58	
	For Polystyrene Core, Add	141.22	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	353.05	
	For Continuously Welded And Filled Vertical Edge Seam, Add	176.52	
	For Steel Stiffened, Add	353.05	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 13 13 13-0108	EA		2'-10" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,550.96	65.23
			For Up To 1' Extra Height, Add	393.05	
			For 14 Gauge, Level 4 Maximum Duty, Add	568.20	
			For Galvanized Steel Door, Add	284.10	
			For Type 304 Stainless Steel Door, Add	1,136.39	
			For Type 316 Stainless Steel Door, Add	1,846.64	
			For Embossed Panel Door, Add	340.92	
			For Baked Enamel Finish, Add	445.72	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-80.81	
			For >100, Deduct	-119.58	
			For 2" Thick Door, Add	106.25	
			For Polystyrene Core, Add	142.05	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	355.12	
			For Continuously Welded And Filled Vertical Edge Seam, Add	177.56	
			For Steel Stiffened, Add	355.12	
08 13 13 13-0109	EA		3' x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,562.04	66.62
			For Up To 1' Extra Height, Add	395.35	
			For 14 Gauge, Level 4 Maximum Duty, Add	571.52	
			For Galvanized Steel Door, Add	285.76	
			For Type 304 Stainless Steel Door, Add	1,143.03	
			For Type 316 Stainless Steel Door, Add	1,857.43	
			For Embossed Panel Door, Add	342.91	
			For Baked Enamel Finish, Add	448.62	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-81.43	
			For >100, Deduct	-120.48	
			For 2" Thick Door, Add	106.92	
			For Polystyrene Core, Add	142.88	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	357.20	
			For Continuously Welded And Filled Vertical Edge Seam, Add	178.60	
			For Steel Stiffened, Add	357.20	
08 13 13 13-0110	EA		3'-4" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,670.04	66.62
			For Up To 1' Extra Height, Add	425.23	
			For 14 Gauge, Level 4 Maximum Duty, Add	614.72	
			For Galvanized Steel Door, Add	307.36	
			For Type 304 Stainless Steel Door, Add	1,229.43	
			For Type 316 Stainless Steel Door, Add	1,997.83	
			For Embossed Panel Door, Add	368.83	
			For Baked Enamel Finish, Add	481.02	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-86.83	
			For >100, Deduct	-128.58	
			For 2" Thick Door, Add	114.75	
			For Polystyrene Core, Add	153.68	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	384.20	
			For Continuously Welded And Filled Vertical Edge Seam, Add	192.10	
			For Steel Stiffened, Add	384.20	
08 13 13 13-0111	EA		3'-6" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,717.13	69.40
			For Up To 1' Extra Height, Add	436.72	
			For 1' To 1'-6" Extra Height, Add	833.20	
			For 14 Gauge, Level 4 Maximum Duty, Add	631.33	
			For Galvanized Steel Door, Add	315.67	
			For Type 304 Stainless Steel Door, Add	1,262.66	
			For Type 316 Stainless Steel Door, Add	2,051.83	
			For Embossed Panel Door, Add	378.80	
			For Baked Enamel Finish, Add	494.32	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-89.33	
			For >100, Deduct	-132.25	
			For 2" Thick Door, Add	117.90	
			For Polystyrene Core, Add	157.83	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	394.58	
			For Continuously Welded And Filled Vertical Edge Seam, Add	197.29	
			For Steel Stiffened, Add	394.58	

**08 Openings****08 10 Doors and Frames****08 13 Metal Doors**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 13 13 13-0112	EA	4' x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,894.37	74.95
		<i>For Up To 1' Extra Height, Add</i>	482.69	
		<i>For 1' To 1'-6" Extra Height, Add</i>	920.90	
		<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	697.78	
		<i>For Galvanized Steel Door, Add</i>	348.89	
		<i>For Type 304 Stainless Steel Door, Add</i>	1,395.57	
		<i>For Type 316 Stainless Steel Door, Add</i>	2,267.80	
		<i>For Embossed Panel Door, Add</i>	418.67	
		<i>For Baked Enamel Finish, Add</i>	545.82	
		<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
		<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
		<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
		<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
		<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
		<i>For &gt;50 To 100, Deduct</i>	-98.47	
		<i>For &gt;100, Deduct</i>	-145.83	
		<i>For 2" Thick Door, Add</i>	130.22	
		<i>For Polystyrene Core, Add</i>	174.45	
		<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	436.12	
		<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	218.06	
		<i>For Steel Stiffened, Add</i>	436.12	

**08 13 13 53 Custom Hollow Metal Doors (08 13 13)**

08 13 13 53-0001		<b>Steel 18 Gauge 1-3/4" Unrated Door (08 13 13 53)</b>		
08 13 13 53-0002	EA	2'-2" Or 2'-4" x 6'-9" x 1-3/4", 18 Gauge, Unrated, With Semicircular Head, Hollow Metal Door.....	2,708.39	138.80
		<i>For 16 Gauge Door, Add</i>	20.30	
08 13 13 53-0003	EA	2'-6" x 6'-9" x 1-3/4", 18 Gauge, Unrated, With Semicircular Head, Hollow Metal Door.....	2,830.68	166.56
		<i>For 16 Gauge Door, Add</i>	20.30	

**08 13 73 Sliding Metal Doors (08 13)**

08 13 73 00-0001		<b>Sliding Bypass Mirror Doors (08 13 73)</b>		
		Note: Includes 3.0 mm thick, steel frameless safety backed mirrors with anti-jump rollers and guides.		
08 13 73 00-0002	EA	4' x 6' 8", Sliding Bypass Mirror Doors .....	373.62	83.28
08 13 73 00-0003	EA	5' x 6' 8", Sliding Bypass Mirror Doors .....	420.73	88.84
08 13 73 00-0004	EA	6' x 6' 8", Sliding Bypass Mirror Doors .....	467.84	94.38
08 13 73 00-0005	EA	8' x 6' 8", Sliding Bypass Mirror Doors .....	550.96	99.94

**08 14 Wood Doors (08 10)**

Note: Includes machining for all hardware, except mortised locks. Excludes frames, finish hardware (unless note states included).  
 See CSI section 08 05 13 00-0040 for mortise preparation, 08 70 00 00-0000 for finish hardware.

**08 14 16 Flush Wood Doors (08 14)**

08 14 16 00-0001		<b>1-3/8" Thick, Hollow Core (HC), Wood Doors (08 14 16)</b>		
08 14 16 00-0002		<b>Birch Faced Wood Door (08 14 16 00-0001)</b>		
08 14 16 00-0003	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	293.17	61.07
		<i>For &gt;50 To 100, Deduct</i>	-17.71	
		<i>For &gt;100, Deduct</i>	-25.04	
08 14 16 00-0004	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	293.17	61.07
		<i>For &gt;50 To 100, Deduct</i>	-17.71	
		<i>For &gt;100, Deduct</i>	-25.04	
08 14 16 00-0005	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	310.84	63.85
		<i>For &gt;50 To 100, Deduct</i>	-18.73	
		<i>For &gt;100, Deduct</i>	-26.51	
08 14 16 00-0006	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	319.75	63.85
		<i>For &gt;50 To 100, Deduct</i>	-19.18	
		<i>For &gt;100, Deduct</i>	-27.17	
08 14 16 00-0007	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	321.84	63.85
		<i>For &gt;50 To 100, Deduct</i>	-19.28	
		<i>For &gt;100, Deduct</i>	-27.33	
08 14 16 00-0008	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	328.46	66.62
		<i>For &gt;50 To 100, Deduct</i>	-19.75	
		<i>For &gt;100, Deduct</i>	-27.97	
08 14 16 00-0009	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	347.51	66.62
		<i>For &gt;50 To 100, Deduct</i>	-20.71	
		<i>For &gt;100, Deduct</i>	-29.39	
08 14 16 00-0010	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	366.78	69.40
		<i>For &gt;50 To 100, Deduct</i>	-21.81	
		<i>For &gt;100, Deduct</i>	-30.98	
08 14 16 00-0011	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	303.14	61.07
		<i>For &gt;50 To 100, Deduct</i>	-18.21	
		<i>For &gt;100, Deduct</i>	-25.79	
08 14 16 00-0012	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	303.14	61.07
		<i>For &gt;50 To 100, Deduct</i>	-18.21	
		<i>For &gt;100, Deduct</i>	-25.79	
08 14 16 00-0013	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	321.51	63.85
		<i>For &gt;50 To 100, Deduct</i>	-19.27	
		<i>For &gt;100, Deduct</i>	-27.31	
08 14 16 00-0014	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	330.94	63.85
		<i>For &gt;50 To 100, Deduct</i>	-19.74	
		<i>For &gt;100, Deduct</i>	-28.01	
08 14 16 00-0015	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	333.15	63.85
		<i>For &gt;50 To 100, Deduct</i>	-19.85	
		<i>For &gt;100, Deduct</i>	-28.18	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0016	EA		3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	339.81 -20.32 -28.82	66.62
08 14 16 00-0017	EA		3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	359.98 -21.33 -30.33	66.62
08 14 16 00-0018	EA		3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	380.04 -22.47 -31.97	69.40
08 14 16 00-0019	EA		2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	338.43 -19.98 -28.44 45.42	61.07
08 14 16 00-0020	EA		2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	338.43 -19.98 -28.44 45.42	61.07
08 14 16 00-0021	EA		2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	359.31 -21.16 -30.14 48.64	63.85
08 14 16 00-0022	EA		2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	370.56 -21.72 -30.98 51.00	63.85
08 14 16 00-0023	EA		2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	373.21 -21.85 -31.18 51.56	63.85
08 14 16 00-0024	EA		3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	380.08 -22.34 -31.84 51.83	66.62
08 14 16 00-0025	EA		3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	404.19 -23.54 -33.65 56.90	66.62
08 14 16 00-0026	EA		3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	427.07 -24.82 -35.50 60.54	69.40
<b>08 14 16 00-0027 Oak Faced Wood Door (08 14 16 00-0001)</b>					
08 14 16 00-0028	EA		2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	333.69 -19.74 -28.08	61.07
08 14 16 00-0029	EA		2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	333.69 -19.74 -28.08	61.07
08 14 16 00-0030	EA		2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	354.22 -20.90 -29.76	63.85
08 14 16 00-0031	EA		2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	365.25 -21.45 -30.59	63.85
08 14 16 00-0032	EA		2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	367.20 -21.55 -30.73	63.85
08 14 16 00-0033	EA		3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	374.70 -22.07 -31.43	66.62
08 14 16 00-0034	EA		3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	398.25 -23.24 -33.20	66.62
08 14 16 00-0035	EA		3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	420.77 -24.51 -35.03	69.40
08 14 16 00-0036	EA		2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	346.00 -20.35 -29.00	61.07
08 14 16 00-0037	EA		2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	346.00 -20.35 -29.00	61.07
08 14 16 00-0038	EA		2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	367.41 -21.56 -30.75	63.85
08 14 16 00-0039	EA		2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	379.08 -22.15 -31.62	63.85
08 14 16 00-0040	EA		2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	381.13 -22.25 -31.78	63.85
08 14 16 00-0041	EA		3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	388.74 -22.77 -32.49	66.62
08 14 16 00-0042	EA		3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	413.67 -24.01 -34.36	66.62

## 08 Openings

## 08 10 Doors and Frames

## 08 14 Wood Doors

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 14 16 00-0043	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	437.18	69.40
		<i>For &gt;50 To 100, Deduct</i>	-25.33	
		<i>For &gt;100, Deduct</i>	-36.26	
08 14 16 00-0044	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	389.66	61.07
		<i>For &gt;50 To 100, Deduct</i>	-22.54	
		<i>For &gt;100, Deduct</i>	-32.28	
		<i>For 9' Door Height, Add</i>	56.18	
08 14 16 00-0045	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	389.66	61.07
		<i>For &gt;50 To 100, Deduct</i>	-22.54	
		<i>For &gt;100, Deduct</i>	-32.28	
		<i>For 9' Door Height, Add</i>	56.18	
08 14 16 00-0046	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	414.15	63.85
		<i>For &gt;50 To 100, Deduct</i>	-23.90	
		<i>For &gt;100, Deduct</i>	-34.25	
		<i>For 9' Door Height, Add</i>	60.16	
08 14 16 00-0047	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	428.08	63.85
		<i>For &gt;50 To 100, Deduct</i>	-24.60	
		<i>For &gt;100, Deduct</i>	-35.30	
		<i>For 9' Door Height, Add</i>	63.08	
08 14 16 00-0048	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	430.56	63.85
		<i>For &gt;50 To 100, Deduct</i>	-24.72	
		<i>For &gt;100, Deduct</i>	-35.48	
		<i>For 9' Door Height, Add</i>	63.60	
08 14 16 00-0049	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	438.56	66.62
		<i>For &gt;50 To 100, Deduct</i>	-25.26	
		<i>For &gt;100, Deduct</i>	-36.22	
		<i>For 9' Door Height, Add</i>	64.12	
08 14 16 00-0050	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	468.36	66.62
		<i>For &gt;50 To 100, Deduct</i>	-26.75	
		<i>For &gt;100, Deduct</i>	-38.46	
		<i>For 9' Door Height, Add</i>	70.37	
08 14 16 00-0051	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	495.38	69.40
		<i>For &gt;50 To 100, Deduct</i>	-28.24	
		<i>For &gt;100, Deduct</i>	-40.62	
		<i>For 9' Door Height, Add</i>	74.88	

08 14 16 00-0052 Maple Faced Wood Door (08 14 16 00-0001)

08 14 16 00-0053	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	376.01	61.07
		<i>For &gt;50 To 100, Deduct</i>	-21.85	
		<i>For &gt;100, Deduct</i>	-31.25	
08 14 16 00-0054	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	376.01	61.07
		<i>For &gt;50 To 100, Deduct</i>	-21.85	
		<i>For &gt;100, Deduct</i>	-31.25	
08 14 16 00-0055	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	399.51	63.85
		<i>For &gt;50 To 100, Deduct</i>	-23.17	
		<i>For &gt;100, Deduct</i>	-33.16	
08 14 16 00-0056	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	412.77	63.85
		<i>For &gt;50 To 100, Deduct</i>	-23.83	
		<i>For &gt;100, Deduct</i>	-34.15	
08 14 16 00-0057	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	415.11	63.85
		<i>For &gt;50 To 100, Deduct</i>	-23.95	
		<i>For &gt;100, Deduct</i>	-34.33	
08 14 16 00-0058	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	423.00	66.62
		<i>For &gt;50 To 100, Deduct</i>	-24.48	
		<i>For &gt;100, Deduct</i>	-35.06	
08 14 16 00-0059	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	451.25	66.62
		<i>For &gt;50 To 100, Deduct</i>	-25.89	
		<i>For &gt;100, Deduct</i>	-37.18	
08 14 16 00-0060	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	477.17	69.40
		<i>For &gt;50 To 100, Deduct</i>	-27.33	
		<i>For &gt;100, Deduct</i>	-39.26	
08 14 16 00-0061	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	390.76	61.07
		<i>For &gt;50 To 100, Deduct</i>	-22.59	
		<i>For &gt;100, Deduct</i>	-32.36	
08 14 16 00-0062	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	390.76	61.07
		<i>For &gt;50 To 100, Deduct</i>	-22.59	
		<i>For &gt;100, Deduct</i>	-32.36	
08 14 16 00-0063	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	415.35	63.85
		<i>For &gt;50 To 100, Deduct</i>	-23.96	
		<i>For &gt;100, Deduct</i>	-34.34	
08 14 16 00-0064	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	429.36	63.85
		<i>For &gt;50 To 100, Deduct</i>	-24.66	
		<i>For &gt;100, Deduct</i>	-35.39	
08 14 16 00-0065	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	431.83	63.85
		<i>For &gt;50 To 100, Deduct</i>	-24.78	
		<i>For &gt;100, Deduct</i>	-35.58	
08 14 16 00-0066	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	439.83	66.62
		<i>For &gt;50 To 100, Deduct</i>	-25.32	
		<i>For &gt;100, Deduct</i>	-36.32	
08 14 16 00-0067	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	469.74	66.62
		<i>For &gt;50 To 100, Deduct</i>	-26.82	
		<i>For &gt;100, Deduct</i>	-38.56	
08 14 16 00-0068	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	496.86	69.40
		<i>For &gt;50 To 100, Deduct</i>	-28.31	
		<i>For &gt;100, Deduct</i>	-40.73	
08 14 16 00-0069	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	443.16	61.07
		<i>For &gt;50 To 100, Deduct</i>	-25.21	
		<i>For &gt;100, Deduct</i>	-36.29	
		<i>For 9' Door Height, Add</i>	67.41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 14 16 00-0070	EA 2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	443.16	61.07
	For >50 To 100, Deduct	-25.21	
	For >100, Deduct	-36.29	
	For 9' Door Height, Add	67.41	
08 14 16 00-0071	EA 2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	471.43	63.85
	For >50 To 100, Deduct	-26.76	
	For >100, Deduct	-38.55	
	For 9' Door Height, Add	72.19	
08 14 16 00-0072	EA 2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	488.15	63.85
	For >50 To 100, Deduct	-27.60	
	For >100, Deduct	-39.80	
	For 9' Door Height, Add	75.70	
08 14 16 00-0073	EA 2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	491.12	63.85
	For >50 To 100, Deduct	-27.75	
	For >100, Deduct	-40.03	
	For 9' Door Height, Add	76.32	
08 14 16 00-0074	EA 3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	499.62	66.62
	For >50 To 100, Deduct	-28.31	
	For >100, Deduct	-40.80	
	For 9' Door Height, Add	76.94	
08 14 16 00-0075	EA 3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	535.40	66.62
	For >50 To 100, Deduct	-30.10	
	For >100, Deduct	-43.49	
	For 9' Door Height, Add	84.45	
08 14 16 00-0076	EA 3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	566.69	69.40
	For >50 To 100, Deduct	-31.80	
	For >100, Deduct	-45.97	
	For 9' Door Height, Add	89.86	

**08 14 16 00-0077 Luan Faced Wood Doors** (08 14 16 00-0001)

08 14 16 00-0078	EA 2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Luan Faced Wood Door.....	250.04	61.07
	For >50 To 100, Deduct	-15.56	
	For >100, Deduct	-21.81	
08 14 16 00-0079	EA 2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Luan Faced Wood Door.....	250.04	61.07
	For >50 To 100, Deduct	-15.56	
	For >100, Deduct	-21.81	
08 14 16 00-0080	EA 2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Luan Faced Wood Door.....	264.24	63.85
	For >50 To 100, Deduct	-16.40	
	For >100, Deduct	-23.01	
08 14 16 00-0081	EA 2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Luan Faced Wood Door.....	271.56	63.85
	For >50 To 100, Deduct	-16.77	
	For >100, Deduct	-23.56	
08 14 16 00-0082	EA 2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Luan Faced Wood Door.....	274.14	63.85
	For >50 To 100, Deduct	-16.90	
	For >100, Deduct	-23.75	
08 14 16 00-0083	EA 3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Luan Faced Wood Door.....	282.28	66.62
	For >50 To 100, Deduct	-17.45	
	For >100, Deduct	-24.50	
08 14 16 00-0084	EA 3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Luan Faced Wood Door.....	296.53	66.62
	For >50 To 100, Deduct	-18.16	
	For >100, Deduct	-25.57	
08 14 16 00-0085	EA 3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Luan Faced Wood Door.....	312.54	69.40
	For >50 To 100, Deduct	-19.10	
	For >100, Deduct	-26.91	
08 14 16 00-0086	EA 2'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Luan Faced Wood Door.....	257.47	61.07
	For >50 To 100, Deduct	-15.93	
	For >100, Deduct	-22.36	
08 14 16 00-0087	EA 2'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Luan Faced Wood Door.....	257.46	61.07
	For >50 To 100, Deduct	-15.93	
	For >100, Deduct	-22.36	
08 14 16 00-0088	EA 2'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Luan Faced Wood Door.....	272.19	63.85
	For >50 To 100, Deduct	-16.80	
	For >100, Deduct	-23.61	
08 14 16 00-0089	EA 2'-8" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Luan Faced Wood Door.....	279.93	63.85
	For >50 To 100, Deduct	-17.19	
	For >100, Deduct	-24.19	
08 14 16 00-0090	EA 2'-10" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Luan Faced Wood Door.....	282.66	63.85
	For >50 To 100, Deduct	-17.33	
	For >100, Deduct	-24.39	
08 14 16 00-0091	EA 3'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Luan Faced Wood Door.....	290.95	66.62
	For >50 To 100, Deduct	-17.88	
	For >100, Deduct	-25.15	
08 14 16 00-0092	EA 3'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Luan Faced Wood Door.....	306.03	66.62
	For >50 To 100, Deduct	-18.63	
	For >100, Deduct	-26.28	
08 14 16 00-0093	EA 3'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Luan Faced Wood Door.....	322.64	69.40
	For >50 To 100, Deduct	-19.60	
	For >100, Deduct	-27.67	
08 14 16 00-0094	EA 2'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Luan Faced Wood Door.....	283.87	61.07
	For >50 To 100, Deduct	-17.25	
	For >100, Deduct	-24.34	
	For 9' Door Height, Add	33.96	
08 14 16 00-0095	EA 2'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Luan Faced Wood Door.....	283.84	61.07
	For >50 To 100, Deduct	-17.25	
	For >100, Deduct	-24.34	
	For 9' Door Height, Add	33.95	

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 14 16 00-0096	EA		2'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	300.37	63.85
			For >50 To 100, Deduct	-18.21	
			For >100, Deduct	-25.72	
			For 9' Door Height, Add	36.26	
08 14 16 00-0097	EA		2'-8" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	309.60	63.85
			For >50 To 100, Deduct	-18.67	
			For >100, Deduct	-26.41	
			For 9' Door Height, Add	38.20	
08 14 16 00-0098	EA		2'-10" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	312.89	63.85
			For >50 To 100, Deduct	-18.84	
			For >100, Deduct	-26.66	
			For 9' Door Height, Add	38.89	
08 14 16 00-0099	EA		3'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	321.70	66.62
			For >50 To 100, Deduct	-19.42	
			For >100, Deduct	-27.46	
			For 9' Door Height, Add	39.57	
08 14 16 00-0100	EA		3'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	339.73	66.62
			For >50 To 100, Deduct	-20.32	
			For >100, Deduct	-28.81	
			For 9' Door Height, Add	43.36	
08 14 16 00-0101	EA		3'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	358.47	69.40
			For >50 To 100, Deduct	-21.39	
			For >100, Deduct	-30.36	
			For 9' Door Height, Add	46.13	

**08 14 16 00-0102 Medium Density Overlay (MDO) Faced Wood Doors (08 14 16 00-0001)**

08 14 16 00-0103	EA		2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	253.50	61.07
			For >50 To 100, Deduct	-15.73	
			For >100, Deduct	-22.07	
08 14 16 00-0104	EA		2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	253.50	61.07
			For >50 To 100, Deduct	-15.73	
			For >100, Deduct	-22.07	
08 14 16 00-0105	EA		2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	268.62	63.85
			For >50 To 100, Deduct	-16.62	
			For >100, Deduct	-23.34	
08 14 16 00-0106	EA		2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	273.15	63.85
			For >50 To 100, Deduct	-16.85	
			For >100, Deduct	-23.68	
08 14 16 00-0107	EA		2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	277.71	63.85
			For >50 To 100, Deduct	-17.08	
			For >100, Deduct	-24.02	
08 14 16 00-0108	EA		3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	287.80	66.62
			For >50 To 100, Deduct	-17.72	
			For >100, Deduct	-24.92	
08 14 16 00-0109	EA		3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	304.80	66.62
			For >50 To 100, Deduct	-18.57	
			For >100, Deduct	-26.19	
08 14 16 00-0110	EA		3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	321.31	69.40
			For >50 To 100, Deduct	-19.54	
			For >100, Deduct	-27.57	
08 14 16 00-0111	EA		2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	261.14	61.07
			For >50 To 100, Deduct	-16.11	
			For >100, Deduct	-22.64	
08 14 16 00-0112	EA		2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	261.14	61.07
			For >50 To 100, Deduct	-16.11	
			For >100, Deduct	-22.64	
08 14 16 00-0113	EA		2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	276.81	63.85
			For >50 To 100, Deduct	-17.03	
			For >100, Deduct	-23.95	
08 14 16 00-0114	EA		2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	281.62	63.85
			For >50 To 100, Deduct	-17.27	
			For >100, Deduct	-24.31	
08 14 16 00-0115	EA		2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	286.44	63.85
			For >50 To 100, Deduct	-17.51	
			For >100, Deduct	-24.68	
08 14 16 00-0116	EA		3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	296.80	66.62
			For >50 To 100, Deduct	-18.17	
			For >100, Deduct	-25.59	
08 14 16 00-0117	EA		3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	314.79	66.62
			For >50 To 100, Deduct	-19.07	
			For >100, Deduct	-26.94	
08 14 16 00-0118	EA		3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	331.94	69.40
			For >50 To 100, Deduct	-20.07	
			For >100, Deduct	-28.37	
08 14 16 00-0119	EA		2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	288.22	61.07
			For >50 To 100, Deduct	-17.46	
			For >100, Deduct	-24.67	
			For 9' Door Height, Add	34.87	
08 14 16 00-0120	EA		2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	288.26	61.07
			For >50 To 100, Deduct	-17.47	
			For >100, Deduct	-24.67	
			For 9' Door Height, Add	34.88	
08 14 16 00-0121	EA		2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	305.89	63.85
			For >50 To 100, Deduct	-18.49	
			For >100, Deduct	-26.13	
			For 9' Door Height, Add	37.42	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0122	EA		2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	311.65	63.85
			<i>For &gt;50 To 100, Deduct</i>	-18.77	
			<i>For &gt;100, Deduct</i>	-26.57	
			<i>For 9' Door Height, Add</i>	38.63	
08 14 16 00-0123	EA		2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	317.42	63.85
			<i>For &gt;50 To 100, Deduct</i>	-19.06	
			<i>For &gt;100, Deduct</i>	-27.00	
			<i>For 9' Door Height, Add</i>	39.84	
08 14 16 00-0124	EA		3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	328.70	66.62
			<i>For &gt;50 To 100, Deduct</i>	-19.77	
			<i>For &gt;100, Deduct</i>	-27.98	
			<i>For 9' Door Height, Add</i>	41.04	
08 14 16 00-0125	EA		3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	350.20	66.62
			<i>For &gt;50 To 100, Deduct</i>	-20.84	
			<i>For &gt;100, Deduct</i>	-29.60	
			<i>For 9' Door Height, Add</i>	45.56	
08 14 16 00-0126	EA		3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	369.61	69.40
			<i>For &gt;50 To 100, Deduct</i>	-21.95	
			<i>For &gt;100, Deduct</i>	-31.19	
			<i>For 9' Door Height, Add</i>	48.47	
08 14 16 00-0127			<b>1-3/4" Thick, Hollow Core (HC), Wood Doors</b> (08 14 16)		
08 14 16 00-0128			<b>Birch Faced Wood Doors</b> (08 14 16 00-0127)		
08 14 16 00-0129	EA		2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	335.92	61.07
			<i>For &gt;50 To 100, Deduct</i>	-19.85	
			<i>For &gt;100, Deduct</i>	-28.25	
08 14 16 00-0130	EA		2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	335.92	61.07
			<i>For &gt;50 To 100, Deduct</i>	-19.85	
			<i>For &gt;100, Deduct</i>	-28.25	
08 14 16 00-0131	EA		2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	349.52	63.85
			<i>For &gt;50 To 100, Deduct</i>	-20.67	
			<i>For &gt;100, Deduct</i>	-29.41	
08 14 16 00-0132	EA		2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	352.53	63.85
			<i>For &gt;50 To 100, Deduct</i>	-20.82	
			<i>For &gt;100, Deduct</i>	-29.63	
08 14 16 00-0133	EA		2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	359.10	63.85
			<i>For &gt;50 To 100, Deduct</i>	-21.15	
			<i>For &gt;100, Deduct</i>	-30.12	
08 14 16 00-0134	EA		3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	371.24	66.62
			<i>For &gt;50 To 100, Deduct</i>	-21.89	
			<i>For &gt;100, Deduct</i>	-31.17	
08 14 16 00-0135	EA		3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	406.14	66.62
			<i>For &gt;50 To 100, Deduct</i>	-23.64	
			<i>For &gt;100, Deduct</i>	-33.79	
08 14 16 00-0136	EA		3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	482.51	69.40
			<i>For &gt;50 To 100, Deduct</i>	-27.60	
			<i>For &gt;100, Deduct</i>	-39.66	
08 14 16 00-0137	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	499.69	69.40
			<i>For &gt;50 To 100, Deduct</i>	-28.45	
			<i>For &gt;100, Deduct</i>	-40.95	
08 14 16 00-0138	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	534.06	69.40
			<i>For &gt;50 To 100, Deduct</i>	-30.17	
			<i>For &gt;100, Deduct</i>	-43.52	
08 14 16 00-0139	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	348.37	61.07
			<i>For &gt;50 To 100, Deduct</i>	-20.47	
			<i>For &gt;100, Deduct</i>	-29.18	
08 14 16 00-0140	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	348.36	61.07
			<i>For &gt;50 To 100, Deduct</i>	-20.47	
			<i>For &gt;100, Deduct</i>	-29.18	
08 14 16 00-0141	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	362.43	63.85
			<i>For &gt;50 To 100, Deduct</i>	-21.31	
			<i>For &gt;100, Deduct</i>	-30.37	
08 14 16 00-0142	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	365.61	63.85
			<i>For &gt;50 To 100, Deduct</i>	-21.47	
			<i>For &gt;100, Deduct</i>	-30.61	
08 14 16 00-0143	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	372.57	63.85
			<i>For &gt;50 To 100, Deduct</i>	-21.82	
			<i>For &gt;100, Deduct</i>	-31.14	
08 14 16 00-0144	EA		3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	385.08	66.62
			<i>For &gt;50 To 100, Deduct</i>	-22.59	
			<i>For &gt;100, Deduct</i>	-32.21	
08 14 16 00-0145	EA		3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	422.02	66.62
			<i>For &gt;50 To 100, Deduct</i>	-24.43	
			<i>For &gt;100, Deduct</i>	-34.98	
08 14 16 00-0146	EA		3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	502.52	69.40
			<i>For &gt;50 To 100, Deduct</i>	-28.60	
			<i>For &gt;100, Deduct</i>	-41.16	
08 14 16 00-0147	EA		3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	520.69	69.40
			<i>For &gt;50 To 100, Deduct</i>	-29.50	
			<i>For &gt;100, Deduct</i>	-42.52	
08 14 16 00-0148	EA		4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	557.07	69.40
			<i>For &gt;50 To 100, Deduct</i>	-31.32	
			<i>For &gt;100, Deduct</i>	-45.25	
08 14 16 00-0149	EA		2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	392.49	61.07
			<i>For &gt;50 To 100, Deduct</i>	-22.68	
			<i>For &gt;100, Deduct</i>	-32.49	
			<i>For 9' Door Height, Add</i>	56.77	

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 14 16 00-0150	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	392.49	61.07
		<i>For &gt;50 To 100, Deduct</i>	-22.68	
		<i>For &gt;100, Deduct</i>	-32.49	
		<i>For 9' Door Height, Add</i>	56.77	
08 14 16 00-0151	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	408.21	63.85
		<i>For &gt;50 To 100, Deduct</i>	-23.60	
		<i>For &gt;100, Deduct</i>	-33.81	
		<i>For 9' Door Height, Add</i>	58.91	
08 14 16 00-0152	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	412.00	63.85
		<i>For &gt;50 To 100, Deduct</i>	-23.79	
		<i>For &gt;100, Deduct</i>	-34.09	
		<i>For 9' Door Height, Add</i>	59.71	
08 14 16 00-0153	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	420.34	63.85
		<i>For &gt;50 To 100, Deduct</i>	-24.21	
		<i>For &gt;100, Deduct</i>	-34.72	
		<i>For 9' Door Height, Add</i>	61.46	
08 14 16 00-0154	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	434.17	66.62
		<i>For &gt;50 To 100, Deduct</i>	-25.04	
		<i>For &gt;100, Deduct</i>	-35.89	
		<i>For 9' Door Height, Add</i>	63.19	
08 14 16 00-0155	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	478.33	66.62
		<i>For &gt;50 To 100, Deduct</i>	-27.25	
		<i>For &gt;100, Deduct</i>	-39.21	
		<i>For 9' Door Height, Add</i>	72.47	
08 14 16 00-0156	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	573.44	69.40
		<i>For &gt;50 To 100, Deduct</i>	-32.14	
		<i>For &gt;100, Deduct</i>	-46.48	
		<i>For 9' Door Height, Add</i>	91.27	
08 14 16 00-0157	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	595.15	69.40
		<i>For &gt;50 To 100, Deduct</i>	-33.23	
		<i>For &gt;100, Deduct</i>	-48.11	
		<i>For 9' Door Height, Add</i>	95.83	
08 14 16 00-0158	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	638.64	69.40
		<i>For &gt;50 To 100, Deduct</i>	-35.40	
		<i>For &gt;100, Deduct</i>	-51.37	
		<i>For 9' Door Height, Add</i>	104.97	

**08 14 16 00-0159 Oak Faced Wood Doors** (08 14 16 00-0127)

08 14 16 00-0160	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	403.45	61.07
		<i>For &gt;50 To 100, Deduct</i>	-23.23	
		<i>For &gt;100, Deduct</i>	-33.31	
08 14 16 00-0161	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	403.45	61.07
		<i>For &gt;50 To 100, Deduct</i>	-23.23	
		<i>For &gt;100, Deduct</i>	-33.31	
08 14 16 00-0162	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	419.56	63.85
		<i>For &gt;50 To 100, Deduct</i>	-24.17	
		<i>For &gt;100, Deduct</i>	-34.66	
08 14 16 00-0163	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	423.52	63.85
		<i>For &gt;50 To 100, Deduct</i>	-24.37	
		<i>For &gt;100, Deduct</i>	-34.96	
08 14 16 00-0164	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	432.18	63.85
		<i>For &gt;50 To 100, Deduct</i>	-24.80	
		<i>For &gt;100, Deduct</i>	-35.61	
08 14 16 00-0165	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	446.37	66.62
		<i>For &gt;50 To 100, Deduct</i>	-25.65	
		<i>For &gt;100, Deduct</i>	-36.81	
08 14 16 00-0166	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	492.30	66.62
		<i>For &gt;50 To 100, Deduct</i>	-27.95	
		<i>For &gt;100, Deduct</i>	-40.25	
08 14 16 00-0167	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	591.05	69.40
		<i>For &gt;50 To 100, Deduct</i>	-33.02	
		<i>For &gt;100, Deduct</i>	-47.80	
08 14 16 00-0168	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	613.68	69.40
		<i>For &gt;50 To 100, Deduct</i>	-34.15	
		<i>For &gt;100, Deduct</i>	-49.50	
08 14 16 00-0169	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	658.94	69.40
		<i>For &gt;50 To 100, Deduct</i>	-36.42	
		<i>For &gt;100, Deduct</i>	-52.89	
08 14 16 00-0170	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	419.81	61.07
		<i>For &gt;50 To 100, Deduct</i>	-24.04	
		<i>For &gt;100, Deduct</i>	-34.54	
08 14 16 00-0171	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	419.82	61.07
		<i>For &gt;50 To 100, Deduct</i>	-24.04	
		<i>For &gt;100, Deduct</i>	-34.54	
08 14 16 00-0172	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	436.55	63.85
		<i>For &gt;50 To 100, Deduct</i>	-25.02	
		<i>For &gt;100, Deduct</i>	-35.93	
08 14 16 00-0173	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	440.74	63.85
		<i>For &gt;50 To 100, Deduct</i>	-25.23	
		<i>For &gt;100, Deduct</i>	-36.25	
08 14 16 00-0174	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	449.90	63.85
		<i>For &gt;50 To 100, Deduct</i>	-25.69	
		<i>For &gt;100, Deduct</i>	-36.93	
08 14 16 00-0175	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	464.59	66.62
		<i>For &gt;50 To 100, Deduct</i>	-26.56	
		<i>For &gt;100, Deduct</i>	-38.18	
08 14 16 00-0176	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	513.20	66.62
		<i>For &gt;50 To 100, Deduct</i>	-28.99	
		<i>For &gt;100, Deduct</i>	-41.82	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0177	EA		3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	617.38	69.40
			<i>For &gt;50 To 100, Deduct</i>	-34.34	
			<i>For &gt;100, Deduct</i>	-49.77	
08 14 16 00-0178	EA		3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	641.33	69.40
			<i>For &gt;50 To 100, Deduct</i>	-35.54	
			<i>For &gt;100, Deduct</i>	-51.57	
08 14 16 00-0179	EA		4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	689.20	69.40
			<i>For &gt;50 To 100, Deduct</i>	-37.93	
			<i>For &gt;100, Deduct</i>	-55.16	
08 14 16 00-0180	EA		2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	477.84	61.07
			<i>For &gt;50 To 100, Deduct</i>	-26.95	
			<i>For &gt;100, Deduct</i>	-38.89	
			<i>For 9' Door Height, Add</i>	74.69	
08 14 16 00-0181	EA		2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	477.88	61.07
			<i>For &gt;50 To 100, Deduct</i>	-26.95	
			<i>For &gt;100, Deduct</i>	-38.89	
			<i>For 9' Door Height, Add</i>	74.70	
08 14 16 00-0182	EA		2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	486.78	63.85
			<i>For &gt;50 To 100, Deduct</i>	-28.03	
			<i>For &gt;100, Deduct</i>	-40.45	
			<i>For 9' Door Height, Add</i>	77.51	
08 14 16 00-0183	EA		2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	501.77	63.85
			<i>For &gt;50 To 100, Deduct</i>	-28.28	
			<i>For &gt;100, Deduct</i>	-40.83	
			<i>For 9' Door Height, Add</i>	78.56	
08 14 16 00-0184	EA		2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	512.73	63.85
			<i>For &gt;50 To 100, Deduct</i>	-28.83	
			<i>For &gt;100, Deduct</i>	-41.65	
			<i>For 9' Door Height, Add</i>	80.86	
08 14 16 00-0185	EA		3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	529.21	66.62
			<i>For &gt;50 To 100, Deduct</i>	-29.79	
			<i>For &gt;100, Deduct</i>	-43.02	
			<i>For 9' Door Height, Add</i>	83.15	
08 14 16 00-0186	EA		3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	587.30	66.62
			<i>For &gt;50 To 100, Deduct</i>	-32.70	
			<i>For &gt;100, Deduct</i>	-47.38	
			<i>For 9' Door Height, Add</i>	95.35	
08 14 16 00-0187	EA		3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	710.70	69.40
			<i>For &gt;50 To 100, Deduct</i>	-39.01	
			<i>For &gt;100, Deduct</i>	-56.77	
			<i>For 9' Door Height, Add</i>	120.10	
08 14 16 00-0188	EA		3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	739.34	69.40
			<i>For &gt;50 To 100, Deduct</i>	-40.44	
			<i>For &gt;100, Deduct</i>	-58.92	
			<i>For 9' Door Height, Add</i>	126.11	
08 14 16 00-0189	EA		4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	796.55	69.40
			<i>For &gt;50 To 100, Deduct</i>	-43.30	
			<i>For &gt;100, Deduct</i>	-63.21	
			<i>For 9' Door Height, Add</i>	138.13	
<b>08 14 16 00-0190</b>			<b>Maple Faced Wood Doors</b> (08 14 16 00-0127)		
08 14 16 00-0191	EA		2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	459.70	61.07
			<i>For &gt;50 To 100, Deduct</i>	-26.04	
			<i>For &gt;100, Deduct</i>	-37.53	
08 14 16 00-0192	EA		2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	459.70	61.07
			<i>For &gt;50 To 100, Deduct</i>	-26.04	
			<i>For &gt;100, Deduct</i>	-37.53	
08 14 16 00-0193	EA		2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	477.94	63.85
			<i>For &gt;50 To 100, Deduct</i>	-27.09	
			<i>For &gt;100, Deduct</i>	-39.04	
08 14 16 00-0194	EA		2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	482.89	63.85
			<i>For &gt;50 To 100, Deduct</i>	-27.34	
			<i>For &gt;100, Deduct</i>	-39.41	
08 14 16 00-0195	EA		2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	493.18	63.85
			<i>For &gt;50 To 100, Deduct</i>	-27.85	
			<i>For &gt;100, Deduct</i>	-40.18	
08 14 16 00-0196	EA		3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	508.99	66.62
			<i>For &gt;50 To 100, Deduct</i>	-28.78	
			<i>For &gt;100, Deduct</i>	-41.51	
08 14 16 00-0197	EA		3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	564.11	66.62
			<i>For &gt;50 To 100, Deduct</i>	-31.54	
			<i>For &gt;100, Deduct</i>	-45.64	
08 14 16 00-0198	EA		3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	654.52	69.40
			<i>For &gt;50 To 100, Deduct</i>	-36.20	
			<i>For &gt;100, Deduct</i>	-52.56	
08 14 16 00-0199	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	708.65	69.40
			<i>For &gt;50 To 100, Deduct</i>	-38.90	
			<i>For &gt;100, Deduct</i>	-56.62	
08 14 16 00-0200	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	762.96	69.40
			<i>For &gt;50 To 100, Deduct</i>	-41.62	
			<i>For &gt;100, Deduct</i>	-60.69	
08 14 16 00-0201	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	479.36	61.07
			<i>For &gt;50 To 100, Deduct</i>	-27.02	
			<i>For &gt;100, Deduct</i>	-39.01	
08 14 16 00-0202	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	479.36	61.07
			<i>For &gt;50 To 100, Deduct</i>	-27.02	
			<i>For &gt;100, Deduct</i>	-39.01	

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0203	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	498.30	63.85
			<i>For &gt;50 To 100, Deduct</i>	-28.11	
			<i>For &gt;100, Deduct</i>	-40.56	
08 14 16 00-0204	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	503.57	63.85
			<i>For &gt;50 To 100, Deduct</i>	-28.37	
			<i>For &gt;100, Deduct</i>	-40.96	
08 14 16 00-0205	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	514.42	63.85
			<i>For &gt;50 To 100, Deduct</i>	-28.91	
			<i>For &gt;100, Deduct</i>	-41.77	
08 14 16 00-0206	EA		3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	530.84	66.62
			<i>For &gt;50 To 100, Deduct</i>	-29.87	
			<i>For &gt;100, Deduct</i>	-43.14	
08 14 16 00-0207	EA		3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	589.18	66.62
			<i>For &gt;50 To 100, Deduct</i>	-32.79	
			<i>For &gt;100, Deduct</i>	-47.52	
08 14 16 00-0208	EA		3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	684.39	69.40
			<i>For &gt;50 To 100, Deduct</i>	-37.69	
			<i>For &gt;100, Deduct</i>	-54.80	
08 14 16 00-0209	EA		3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	741.85	69.40
			<i>For &gt;50 To 100, Deduct</i>	-40.56	
			<i>For &gt;100, Deduct</i>	-59.11	
08 14 16 00-0210	EA		4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	799.27	69.40
			<i>For &gt;50 To 100, Deduct</i>	-43.43	
			<i>For &gt;100, Deduct</i>	-63.42	
08 14 16 00-0211	EA		2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	549.02	61.07
			<i>For &gt;50 To 100, Deduct</i>	-30.50	
			<i>For &gt;100, Deduct</i>	-44.23	
			<i>For 9' Door Height, Add</i>	89.64	
08 14 16 00-0212	EA		2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	549.02	61.07
			<i>For &gt;50 To 100, Deduct</i>	-30.50	
			<i>For &gt;100, Deduct</i>	-44.23	
			<i>For 9' Door Height, Add</i>	89.64	
08 14 16 00-0213	EA		2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	570.57	63.85
			<i>For &gt;50 To 100, Deduct</i>	-31.72	
			<i>For &gt;100, Deduct</i>	-45.99	
			<i>For 9' Door Height, Add</i>	93.00	
08 14 16 00-0214	EA		2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	576.87	63.85
			<i>For &gt;50 To 100, Deduct</i>	-32.04	
			<i>For &gt;100, Deduct</i>	-46.46	
			<i>For 9' Door Height, Add</i>	94.33	
08 14 16 00-0215	EA		2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	589.81	63.85
			<i>For &gt;50 To 100, Deduct</i>	-32.68	
			<i>For &gt;100, Deduct</i>	-47.43	
			<i>For 9' Door Height, Add</i>	97.05	
08 14 16 00-0216	EA		3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	608.38	66.62
			<i>For &gt;50 To 100, Deduct</i>	-33.75	
			<i>For &gt;100, Deduct</i>	-48.96	
			<i>For 9' Door Height, Add</i>	99.78	
08 14 16 00-0217	EA		3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	678.07	66.62
			<i>For &gt;50 To 100, Deduct</i>	-37.23	
			<i>For &gt;100, Deduct</i>	-54.19	
			<i>For 9' Door Height, Add</i>	114.41	
08 14 16 00-0218	EA		3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	790.82	69.40
			<i>For &gt;50 To 100, Deduct</i>	-43.01	
			<i>For &gt;100, Deduct</i>	-62.78	
			<i>For 9' Door Height, Add</i>	136.92	
08 14 16 00-0219	EA		3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	859.45	69.40
			<i>For &gt;50 To 100, Deduct</i>	-46.44	
			<i>For &gt;100, Deduct</i>	-67.93	
			<i>For 9' Door Height, Add</i>	151.34	
08 14 16 00-0220	EA		4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	928.11	69.40
			<i>For &gt;50 To 100, Deduct</i>	-49.88	
			<i>For &gt;100, Deduct</i>	-73.08	
			<i>For 9' Door Height, Add</i>	165.76	
<b>08 14 16 00-0221</b>			<b>Walnut Faced Wood Doors</b> <small>(08 14 16 00-0127)</small>		
08 14 16 00-0222	EA		2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	503.23	61.07
			<i>For &gt;50 To 100, Deduct</i>	-28.22	
			<i>For &gt;100, Deduct</i>	-40.80	
08 14 16 00-0223	EA		2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	503.23	61.07
			<i>For &gt;50 To 100, Deduct</i>	-28.22	
			<i>For &gt;100, Deduct</i>	-40.80	
08 14 16 00-0224	EA		2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	511.42	63.85
			<i>For &gt;50 To 100, Deduct</i>	-28.76	
			<i>For &gt;100, Deduct</i>	-41.55	
08 14 16 00-0225	EA		2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	528.32	63.85
			<i>For &gt;50 To 100, Deduct</i>	-29.61	
			<i>For &gt;100, Deduct</i>	-42.82	
08 14 16 00-0226	EA		2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	530.90	63.85
			<i>For &gt;50 To 100, Deduct</i>	-29.74	
			<i>For &gt;100, Deduct</i>	-43.01	
08 14 16 00-0227	EA		3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	539.04	66.62
			<i>For &gt;50 To 100, Deduct</i>	-30.28	
			<i>For &gt;100, Deduct</i>	-43.76	
08 14 16 00-0228	EA		3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	584.33	66.62
			<i>For &gt;50 To 100, Deduct</i>	-32.55	
			<i>For &gt;100, Deduct</i>	-47.16	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0229	EA		3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	706.81 -38.81 -56.48	69.40
08 14 16 00-0230	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	735.20 -40.23 -58.61	69.40
08 14 16 00-0231	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	792.06 -43.07 -62.87	69.40
08 14 16 00-0232	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	525.40 -29.32 -42.46	61.07
08 14 16 00-0233	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	525.40 -29.32 -42.46	61.07
08 14 16 00-0234	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	533.77 -29.88 -43.23	63.85
08 14 16 00-0235	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	551.62 -30.77 -44.56	63.85
08 14 16 00-0236	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	554.38 -30.91 -44.77	63.85
08 14 16 00-0237	EA		3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	562.66 -31.46 -45.53	66.62
08 14 16 00-0238	EA		3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	610.57 -33.86 -49.12	66.62
08 14 16 00-0239	EA		3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	739.87 -40.46 -58.96	69.40
08 14 16 00-0240	EA		3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	769.92 -41.97 -61.21	69.40
08 14 16 00-0241	EA		4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	830.06 -44.97 -65.72	69.40
08 14 16 00-0242	EA		2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	604.03 -33.26 -48.36 101.19	61.07
08 14 16 00-0243	EA		2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	604.03 -33.26 -48.36 101.19	61.07
08 14 16 00-0244	EA		2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	612.96 -33.84 -49.16 101.91	63.85
08 14 16 00-0245	EA		2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	634.29 -34.91 -50.76 106.39	63.85
08 14 16 00-0246	EA		2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	637.57 -35.07 -51.01 107.07	63.85
08 14 16 00-0247	EA		3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	646.39 -35.65 -51.81 107.76	66.62
08 14 16 00-0248	EA		3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	703.66 -38.51 -56.11 119.79	66.62
08 14 16 00-0249	EA		3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	857.08 -46.32 -67.75 150.84	69.40
08 14 16 00-0250	EA		3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	893.00 -48.12 -70.45 158.38	69.40
08 14 16 00-0251	EA		4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	964.85 -51.71 -75.83 173.47	69.40
<b>08 14 16 00-0252</b>			<b>Lauan Faced Wood Doors</b> <small>(08 14 16 00-0127)</small>		
08 14 16 00-0253	EA		2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	284.62 -17.28 -24.40	61.07
08 14 16 00-0254	EA		2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	284.62 -17.28 -24.40	61.07

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 14 16 00-0255	EA 2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door .....	301.33	63.85
	<i>For &gt;50 To 100, Deduct</i>	-18.26	
	<i>For &gt;100, Deduct</i>	-25.79	
08 14 16 00-0256	EA 2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door .....	310.41	63.85
	<i>For &gt;50 To 100, Deduct</i>	-18.71	
	<i>For &gt;100, Deduct</i>	-26.47	
08 14 16 00-0257	EA 2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door .....	312.22	63.85
	<i>For &gt;50 To 100, Deduct</i>	-18.80	
	<i>For &gt;100, Deduct</i>	-26.61	
08 14 16 00-0258	EA 3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door .....	319.58	66.62
	<i>For &gt;50 To 100, Deduct</i>	-19.31	
	<i>For &gt;100, Deduct</i>	-27.30	
08 14 16 00-0259	EA 3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door .....	340.05	66.62
	<i>For &gt;50 To 100, Deduct</i>	-20.33	
	<i>For &gt;100, Deduct</i>	-28.84	
08 14 16 00-0260	EA 3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door .....	372.01	69.40
	<i>For &gt;50 To 100, Deduct</i>	-22.07	
	<i>For &gt;100, Deduct</i>	-31.37	
08 14 16 00-0261	EA 3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door .....	383.65	69.40
	<i>For &gt;50 To 100, Deduct</i>	-22.65	
	<i>For &gt;100, Deduct</i>	-32.24	
08 14 16 00-0262	EA 4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door .....	406.98	69.40
	<i>For &gt;50 To 100, Deduct</i>	-23.82	
	<i>For &gt;100, Deduct</i>	-33.99	
08 14 16 00-0263	EA 2'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	294.06	61.07
	<i>For &gt;50 To 100, Deduct</i>	-17.76	
	<i>For &gt;100, Deduct</i>	-25.11	
08 14 16 00-0264	EA 2'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	294.06	61.07
	<i>For &gt;50 To 100, Deduct</i>	-17.76	
	<i>For &gt;100, Deduct</i>	-25.11	
08 14 16 00-0265	EA 2'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	311.44	63.85
	<i>For &gt;50 To 100, Deduct</i>	-18.76	
	<i>For &gt;100, Deduct</i>	-26.55	
08 14 16 00-0266	EA 2'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	321.06	63.85
	<i>For &gt;50 To 100, Deduct</i>	-19.25	
	<i>For &gt;100, Deduct</i>	-27.27	
08 14 16 00-0267	EA 2'-10" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	322.97	63.85
	<i>For &gt;50 To 100, Deduct</i>	-19.34	
	<i>For &gt;100, Deduct</i>	-27.42	
08 14 16 00-0268	EA 3'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	330.42	66.62
	<i>For &gt;50 To 100, Deduct</i>	-19.85	
	<i>For &gt;100, Deduct</i>	-28.11	
08 14 16 00-0269	EA 3'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	352.10	66.62
	<i>For &gt;50 To 100, Deduct</i>	-20.94	
	<i>For &gt;100, Deduct</i>	-29.74	
08 14 16 00-0270	EA 3'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	385.57	69.40
	<i>For &gt;50 To 100, Deduct</i>	-22.75	
	<i>For &gt;100, Deduct</i>	-32.39	
08 14 16 00-0271	EA 3'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	397.90	69.40
	<i>For &gt;50 To 100, Deduct</i>	-23.37	
	<i>For &gt;100, Deduct</i>	-33.31	
08 14 16 00-0272	EA 4'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	422.58	69.40
	<i>For &gt;50 To 100, Deduct</i>	-24.60	
	<i>For &gt;100, Deduct</i>	-35.16	
08 14 16 00-0273	EA 2'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	327.57	61.07
	<i>For &gt;50 To 100, Deduct</i>	-19.43	
	<i>For &gt;100, Deduct</i>	-27.62	
	<i>For 9' Door Height, Add</i>	43.14	
08 14 16 00-0274	EA 2'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	327.57	61.07
	<i>For &gt;50 To 100, Deduct</i>	-19.43	
	<i>For &gt;100, Deduct</i>	-27.62	
	<i>For 9' Door Height, Add</i>	43.14	
08 14 16 00-0275	EA 2'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	347.26	63.85
	<i>For &gt;50 To 100, Deduct</i>	-20.56	
	<i>For &gt;100, Deduct</i>	-29.24	
	<i>For 9' Door Height, Add</i>	46.11	
08 14 16 00-0276	EA 2'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	358.75	63.85
	<i>For &gt;50 To 100, Deduct</i>	-21.13	
	<i>For &gt;100, Deduct</i>	-30.10	
	<i>For 9' Door Height, Add</i>	48.52	
08 14 16 00-0277	EA 2'-10" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	361.05	63.85
	<i>For &gt;50 To 100, Deduct</i>	-21.24	
	<i>For &gt;100, Deduct</i>	-30.27	
	<i>For 9' Door Height, Add</i>	49.01	
08 14 16 00-0278	EA 3'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	368.87	66.62
	<i>For &gt;50 To 100, Deduct</i>	-21.77	
	<i>For &gt;100, Deduct</i>	-31.00	
	<i>For 9' Door Height, Add</i>	49.48	
08 14 16 00-0279	EA 3'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	394.79	66.62
	<i>For &gt;50 To 100, Deduct</i>	-23.07	
	<i>For &gt;100, Deduct</i>	-32.94	
	<i>For 9' Door Height, Add</i>	54.92	
08 14 16 00-0280	EA 3'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	433.68	69.40
	<i>For &gt;50 To 100, Deduct</i>	-25.15	
	<i>For &gt;100, Deduct</i>	-36.00	
	<i>For 9' Door Height, Add</i>	61.92	
08 14 16 00-0281	EA 3'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	448.42	69.40
	<i>For &gt;50 To 100, Deduct</i>	-25.89	
	<i>For &gt;100, Deduct</i>	-37.10	
	<i>For 9' Door Height, Add</i>	65.02	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0282	EA		4'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Luan Faced Wood Door.....	477.91	69.40
			<i>For &gt;50 To 100, Deduct</i>	-27.37	
			<i>For &gt;100, Deduct</i>	-39.31	
			<i>For 9' Door Height, Add</i>	71.21	
<b>08 14 16 00-0283 Medium Density Overlay (MDO) Faced Wood Doors <small>(08 14 16 00-0127)</small></b>					
08 14 16 00-0284	EA		2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door .....	285.78	61.07
			<i>For &gt;50 To 100, Deduct</i>	-17.34	
			<i>For &gt;100, Deduct</i>	-24.49	
08 14 16 00-0285	EA		2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door .....	285.82	61.07
			<i>For &gt;50 To 100, Deduct</i>	-17.34	
			<i>For &gt;100, Deduct</i>	-24.49	
08 14 16 00-0286	EA		2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door .....	295.88	63.85
			<i>For &gt;50 To 100, Deduct</i>	-17.99	
			<i>For &gt;100, Deduct</i>	-25.38	
08 14 16 00-0287	EA		2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door .....	305.01	63.85
			<i>For &gt;50 To 100, Deduct</i>	-18.44	
			<i>For &gt;100, Deduct</i>	-26.07	
08 14 16 00-0288	EA		2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door .....	309.57	63.85
			<i>For &gt;50 To 100, Deduct</i>	-18.67	
			<i>For &gt;100, Deduct</i>	-26.41	
08 14 16 00-0289	EA		3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door .....	319.62	66.62
			<i>For &gt;50 To 100, Deduct</i>	-19.31	
			<i>For &gt;100, Deduct</i>	-27.30	
08 14 16 00-0290	EA		3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door .....	330.01	66.62
			<i>For &gt;50 To 100, Deduct</i>	-19.83	
			<i>For &gt;100, Deduct</i>	-28.08	
08 14 16 00-0291	EA		3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door .....	369.36	69.40
			<i>For &gt;50 To 100, Deduct</i>	-21.94	
			<i>For &gt;100, Deduct</i>	-31.17	
08 14 16 00-0292	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door .....	380.89	69.40
			<i>For &gt;50 To 100, Deduct</i>	-22.51	
			<i>For &gt;100, Deduct</i>	-32.04	
08 14 16 00-0293	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door .....	403.98	69.40
			<i>For &gt;50 To 100, Deduct</i>	-23.67	
			<i>For &gt;100, Deduct</i>	-33.77	
08 14 16 00-0294	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	295.32	61.07
			<i>For &gt;50 To 100, Deduct</i>	-17.82	
			<i>For &gt;100, Deduct</i>	-25.20	
08 14 16 00-0295	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	295.33	61.07
			<i>For &gt;50 To 100, Deduct</i>	-17.82	
			<i>For &gt;100, Deduct</i>	-25.20	
08 14 16 00-0296	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	305.66	63.85
			<i>For &gt;50 To 100, Deduct</i>	-18.48	
			<i>For &gt;100, Deduct</i>	-26.12	
08 14 16 00-0297	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	315.32	63.85
			<i>For &gt;50 To 100, Deduct</i>	-18.96	
			<i>For &gt;100, Deduct</i>	-26.84	
08 14 16 00-0298	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	320.14	63.85
			<i>For &gt;50 To 100, Deduct</i>	-19.20	
			<i>For &gt;100, Deduct</i>	-27.20	
08 14 16 00-0299	EA		3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	330.48	66.62
			<i>For &gt;50 To 100, Deduct</i>	-19.86	
			<i>For &gt;100, Deduct</i>	-28.12	
08 14 16 00-0300	EA		3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	341.47	66.62
			<i>For &gt;50 To 100, Deduct</i>	-20.40	
			<i>For &gt;100, Deduct</i>	-28.94	
08 14 16 00-0301	EA		3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	382.80	69.40
			<i>For &gt;50 To 100, Deduct</i>	-22.61	
			<i>For &gt;100, Deduct</i>	-32.18	
08 14 16 00-0302	EA		3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	395.00	69.40
			<i>For &gt;50 To 100, Deduct</i>	-23.22	
			<i>For &gt;100, Deduct</i>	-33.10	
08 14 16 00-0303	EA		4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	419.39	69.40
			<i>For &gt;50 To 100, Deduct</i>	-24.44	
			<i>For &gt;100, Deduct</i>	-34.92	
08 14 16 00-0304	EA		2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	329.09	61.07
			<i>For &gt;50 To 100, Deduct</i>	-19.51	
			<i>For &gt;100, Deduct</i>	-27.74	
			<i>For 9' Door Height, Add</i>	43.46	
08 14 16 00-0305	EA		2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	329.09	61.07
			<i>For &gt;50 To 100, Deduct</i>	-19.51	
			<i>For &gt;100, Deduct</i>	-27.74	
			<i>For 9' Door Height, Add</i>	43.46	
08 14 16 00-0306	EA		2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	340.36	63.85
			<i>For &gt;50 To 100, Deduct</i>	-20.21	
			<i>For &gt;100, Deduct</i>	-28.72	
			<i>For 9' Door Height, Add</i>	44.66	
08 14 16 00-0307	EA		2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	351.89	63.85
			<i>For &gt;50 To 100, Deduct</i>	-20.79	
			<i>For &gt;100, Deduct</i>	-29.58	
			<i>For 9' Door Height, Add</i>	47.08	
08 14 16 00-0308	EA		2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	357.65	63.85
			<i>For &gt;50 To 100, Deduct</i>	-21.07	
			<i>For &gt;100, Deduct</i>	-30.02	
			<i>For 9' Door Height, Add</i>	48.29	

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 14 16 00-0309	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	368.94	66.62
		<i>For &gt;50 To 100, Deduct</i>	-21.78	
		<i>For &gt;100, Deduct</i>	-31.00	
		<i>For 9' Door Height, Add</i>	49.49	
08 14 16 00-0310	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	382.09	66.62
		<i>For &gt;50 To 100, Deduct</i>	-22.44	
		<i>For &gt;100, Deduct</i>	-31.99	
		<i>For 9' Door Height, Add</i>	52.26	
08 14 16 00-0311	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	430.39	69.40
		<i>For &gt;50 To 100, Deduct</i>	-24.99	
		<i>For &gt;100, Deduct</i>	-35.75	
		<i>For 9' Door Height, Add</i>	61.23	
08 14 16 00-0312	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	444.96	69.40
		<i>For &gt;50 To 100, Deduct</i>	-25.72	
		<i>For &gt;100, Deduct</i>	-36.84	
		<i>For 9' Door Height, Add</i>	64.29	
08 14 16 00-0313	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	474.13	69.40
		<i>For &gt;50 To 100, Deduct</i>	-27.18	
		<i>For &gt;100, Deduct</i>	-39.03	
		<i>For 9' Door Height, Add</i>	70.42	

**08 14 16 00-0314 1-3/8" Thick, Particleboard Core (PC), Wood Doors** (08 14 16)

Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

**08 14 16 00-0315 Birch Faced Wood Doors** (08 14 16 00-0314)

08 14 16 00-0316	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	339.91	61.07
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.36	
		<i>For Stave Lumber Core (SLC), Add</i>	163.32	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	97.99	
		<i>For &gt;50 To 100, Deduct</i>	-20.05	
		<i>For &gt;100, Deduct</i>	-28.55	
08 14 16 00-0317	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	339.95	61.07
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.36	
		<i>For Stave Lumber Core (SLC), Add</i>	163.35	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	98.01	
		<i>For &gt;50 To 100, Deduct</i>	-20.05	
		<i>For &gt;100, Deduct</i>	-28.55	
08 14 16 00-0318	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	356.91	63.85
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.58	
		<i>For Stave Lumber Core (SLC), Add</i>	171.92	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	103.15	
		<i>For &gt;50 To 100, Deduct</i>	-21.04	
		<i>For &gt;100, Deduct</i>	-29.96	
08 14 16 00-0319	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	368.33	63.85
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.81	
		<i>For Stave Lumber Core (SLC), Add</i>	180.48	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	108.29	
		<i>For &gt;50 To 100, Deduct</i>	-21.61	
		<i>For &gt;100, Deduct</i>	-30.82	
08 14 16 00-0320	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	375.30	63.85
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.95	
		<i>For Stave Lumber Core (SLC), Add</i>	185.71	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	111.42	
		<i>For &gt;50 To 100, Deduct</i>	-21.96	
		<i>For &gt;100, Deduct</i>	-31.34	
08 14 16 00-0321	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	387.86	66.62
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.09	
		<i>For Stave Lumber Core (SLC), Add</i>	190.96	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	114.57	
		<i>For &gt;50 To 100, Deduct</i>	-22.72	
		<i>For &gt;100, Deduct</i>	-32.42	
08 14 16 00-0322	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	415.79	66.62
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.65	
		<i>For Stave Lumber Core (SLC), Add</i>	211.91	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	127.14	
		<i>For &gt;50 To 100, Deduct</i>	-24.12	
		<i>For &gt;100, Deduct</i>	-34.52	
08 14 16 00-0323	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	439.41	69.40
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.01	
		<i>For Stave Lumber Core (SLC), Add</i>	225.46	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	135.27	
		<i>For &gt;50 To 100, Deduct</i>	-25.44	
		<i>For &gt;100, Deduct</i>	-36.43	
08 14 16 00-0324	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	352.60	61.07
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.61	
		<i>For Stave Lumber Core (SLC), Add</i>	172.84	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	103.70	
		<i>For &gt;50 To 100, Deduct</i>	-20.68	
		<i>For &gt;100, Deduct</i>	-29.50	
08 14 16 00-0325	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	352.61	61.07
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.61	
		<i>For Stave Lumber Core (SLC), Add</i>	172.85	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	103.71	
		<i>For &gt;50 To 100, Deduct</i>	-20.68	
		<i>For &gt;100, Deduct</i>	-29.50	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0326	EA		2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	370.25 -4.85 181.92 109.15 -21.70 -30.96	63.85
08 14 16 00-0327	EA		2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	382.35 -5.09 191.00 114.60 -22.31 -31.87	63.85
08 14 16 00-0328	EA		2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	389.72 -5.24 196.52 117.91 -22.68 -32.42	63.85
08 14 16 00-0329	EA		3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	402.67 -5.39 202.07 121.24 -23.46 -33.53	66.62
08 14 16 00-0330	EA		3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	432.24 -5.98 224.24 134.55 -24.94 -35.75	66.62
08 14 16 00-0331	EA		3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	456.90 -6.36 238.58 143.15 -26.32 -37.74	69.40
08 14 16 00-0332	EA		2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	397.55 -5.51 206.55 123.93 -22.93 -32.87 57.83	61.07
08 14 16 00-0333	EA		2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	397.55 -5.51 206.55 123.93 -22.93 -32.87 57.83	61.07
08 14 16 00-0334	EA		2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	417.55 -5.80 217.40 130.44 -24.07 -34.51 60.87	63.85
08 14 16 00-0335	EA		2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	432.01 -6.09 228.24 136.94 -24.79 -35.59 63.91	63.85
08 14 16 00-0336	EA		2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	440.81 -6.26 234.84 140.90 -25.23 -36.25 65.76	63.85
08 14 16 00-0337	EA		3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	455.21 -6.44 241.47 144.88 -26.09 -37.47 67.61	66.62
08 14 16 00-0338	EA		3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 9' Door Height, Add</i>	490.53 -7.15 267.96 160.78 -27.86 -40.12 75.03	66.62

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 14 16 00-0339	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....	518.92	69.40
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.60	
		<i>For Stave Lumber Core (SLC), Add</i>	285.09	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	171.05	
		<i>For &gt;50 To 100, Deduct</i>	-29.42	
		<i>For &gt;100, Deduct</i>	-42.39	
		<i>For 9' Door Height, Add</i>	79.83	

**08 14 16 00-0340 Oak Faced Wood Doors** (08 14 16 00-0314)

08 14 16 00-0341	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	390.86	61.07
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.37	
		<i>For Stave Lumber Core (SLC), Add</i>	201.53	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	120.92	
		<i>For &gt;50 To 100, Deduct</i>	-22.60	
		<i>For &gt;100, Deduct</i>	-32.37	
08 14 16 00-0342	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	390.86	61.07
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.37	
		<i>For Stave Lumber Core (SLC), Add</i>	201.53	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	120.92	
		<i>For &gt;50 To 100, Deduct</i>	-22.60	
		<i>For &gt;100, Deduct</i>	-32.37	
08 14 16 00-0343	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	410.55	63.85
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.66	
		<i>For Stave Lumber Core (SLC), Add</i>	212.15	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	127.29	
		<i>For &gt;50 To 100, Deduct</i>	-23.72	
		<i>For &gt;100, Deduct</i>	-33.98	
08 14 16 00-0344	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	424.65	63.85
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.94	
		<i>For Stave Lumber Core (SLC), Add</i>	222.72	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	133.63	
		<i>For &gt;50 To 100, Deduct</i>	-24.42	
		<i>For &gt;100, Deduct</i>	-35.04	
08 14 16 00-0345	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door .....	433.25	63.85
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.11	
		<i>For Stave Lumber Core (SLC), Add</i>	229.17	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	137.50	
		<i>For &gt;50 To 100, Deduct</i>	-24.85	
		<i>For &gt;100, Deduct</i>	-35.69	
08 14 16 00-0346	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	447.43	66.62
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.28	
		<i>For Stave Lumber Core (SLC), Add</i>	235.64	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	141.38	
		<i>For &gt;50 To 100, Deduct</i>	-25.70	
		<i>For &gt;100, Deduct</i>	-36.89	
08 14 16 00-0347	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	481.91	66.62
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.97	
		<i>For Stave Lumber Core (SLC), Add</i>	261.50	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	156.90	
		<i>For &gt;50 To 100, Deduct</i>	-27.43	
		<i>For &gt;100, Deduct</i>	-39.47	
08 14 16 00-0348	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	509.73	69.40
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.42	
		<i>For Stave Lumber Core (SLC), Add</i>	278.20	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	166.92	
		<i>For &gt;50 To 100, Deduct</i>	-28.96	
		<i>For &gt;100, Deduct</i>	-41.70	
08 14 16 00-0349	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	406.49	61.07
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.69	
		<i>For Stave Lumber Core (SLC), Add</i>	213.26	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	127.95	
		<i>For &gt;50 To 100, Deduct</i>	-23.38	
		<i>For &gt;100, Deduct</i>	-33.54	
08 14 16 00-0350	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	406.49	61.07
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.69	
		<i>For Stave Lumber Core (SLC), Add</i>	213.26	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	127.95	
		<i>For &gt;50 To 100, Deduct</i>	-23.38	
		<i>For &gt;100, Deduct</i>	-33.54	
08 14 16 00-0351	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	427.02	63.85
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.99	
		<i>For Stave Lumber Core (SLC), Add</i>	224.50	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	134.70	
		<i>For &gt;50 To 100, Deduct</i>	-24.54	
		<i>For &gt;100, Deduct</i>	-35.22	
08 14 16 00-0352	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	441.94	63.85
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.29	
		<i>For Stave Lumber Core (SLC), Add</i>	235.69	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	141.41	
		<i>For &gt;50 To 100, Deduct</i>	-25.29	
		<i>For &gt;100, Deduct</i>	-36.34	
08 14 16 00-0353	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	451.03	63.85
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.47	
		<i>For Stave Lumber Core (SLC), Add</i>	242.51	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	145.50	
		<i>For &gt;50 To 100, Deduct</i>	-25.74	
		<i>For &gt;100, Deduct</i>	-37.02	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0354	EA		3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	465.71	66.62
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.65	
			<i>For Stave Lumber Core (SLC), Add</i>	249.35	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	149.61	
			<i>For &gt;50 To 100, Deduct</i>	-26.62	
			<i>For &gt;100, Deduct</i>	-38.26	
08 14 16 00-0355	EA		3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	502.20	66.62
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.38	
			<i>For Stave Lumber Core (SLC), Add</i>	276.71	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	166.03	
			<i>For &gt;50 To 100, Deduct</i>	-28.44	
			<i>For &gt;100, Deduct</i>	-41.00	
08 14 16 00-0356	EA		3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	531.33	69.40
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.85	
			<i>For Stave Lumber Core (SLC), Add</i>	294.40	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	176.64	
			<i>For &gt;50 To 100, Deduct</i>	-30.04	
			<i>For &gt;100, Deduct</i>	-43.32	
08 14 16 00-0357	EA		2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	461.93	61.07
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.80	
			<i>For Stave Lumber Core (SLC), Add</i>	254.84	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	152.90	
			<i>For &gt;50 To 100, Deduct</i>	-26.15	
			<i>For &gt;100, Deduct</i>	-37.70	
			<i>For 9' Door Height, Add</i>	71.35	
08 14 16 00-0358	EA		2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	461.93	61.07
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.80	
			<i>For Stave Lumber Core (SLC), Add</i>	254.84	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	152.90	
			<i>For &gt;50 To 100, Deduct</i>	-26.15	
			<i>For &gt;100, Deduct</i>	-37.70	
			<i>For 9' Door Height, Add</i>	71.35	
08 14 16 00-0359	EA		2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	485.40	63.85
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.15	
			<i>For Stave Lumber Core (SLC), Add</i>	268.28	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	160.97	
			<i>For &gt;50 To 100, Deduct</i>	-27.46	
			<i>For &gt;100, Deduct</i>	-39.60	
			<i>For 9' Door Height, Add</i>	75.12	
08 14 16 00-0360	EA		2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	503.22	63.85
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.51	
			<i>For Stave Lumber Core (SLC), Add</i>	281.65	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	168.99	
			<i>For &gt;50 To 100, Deduct</i>	-28.35	
			<i>For &gt;100, Deduct</i>	-40.93	
			<i>For 9' Door Height, Add</i>	78.86	
08 14 16 00-0361	EA		2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	514.07	63.85
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.73	
			<i>For Stave Lumber Core (SLC), Add</i>	289.79	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	173.87	
			<i>For &gt;50 To 100, Deduct</i>	-28.90	
			<i>For &gt;100, Deduct</i>	-41.75	
			<i>For 9' Door Height, Add</i>	81.14	
08 14 16 00-0362	EA		3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	530.56	66.62
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.95	
			<i>For Stave Lumber Core (SLC), Add</i>	297.98	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	178.79	
			<i>For &gt;50 To 100, Deduct</i>	-29.86	
			<i>For &gt;100, Deduct</i>	-43.12	
			<i>For 9' Door Height, Add</i>	83.44	
08 14 16 00-0363	EA		3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	574.15	66.62
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.82	
			<i>For Stave Lumber Core (SLC), Add</i>	330.68	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	198.41	
			<i>For &gt;50 To 100, Deduct</i>	-32.04	
			<i>For &gt;100, Deduct</i>	-46.39	
			<i>For 9' Door Height, Add</i>	92.59	
08 14 16 00-0364	EA		3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	607.88	69.40
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-9.38	
			<i>For Stave Lumber Core (SLC), Add</i>	351.81	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	211.09	
			<i>For &gt;50 To 100, Deduct</i>	-33.86	
			<i>For &gt;100, Deduct</i>	-49.06	
			<i>For 9' Door Height, Add</i>	98.51	
<b>08 14 16 00-0365</b>			<b>Maple Faced Wood Doors</b> (08 14 16 00-0314)		
08 14 16 00-0366	EA		2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	444.61	61.07
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.45	
			<i>For Stave Lumber Core (SLC), Add</i>	241.85	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	145.11	
			<i>For &gt;50 To 100, Deduct</i>	-25.28	
			<i>For &gt;100, Deduct</i>	-36.40	
08 14 16 00-0367	EA		2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	444.61	61.07
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.45	
			<i>For Stave Lumber Core (SLC), Add</i>	241.85	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	145.11	
			<i>For &gt;50 To 100, Deduct</i>	-25.28	
			<i>For &gt;100, Deduct</i>	-36.40	

## 08 Openings

## 08 10 Doors and Frames

## 08 14 Wood Doors

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 14 16 00-0368	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	467.12	63.85
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.79	
		<i>For Stave Lumber Core (SLC), Add</i>	254.57	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	152.74	
		<i>For &gt;50 To 100, Deduct</i>	-26.55	
		<i>For &gt;100, Deduct</i>	-38.23	
08 14 16 00-0369	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	484.05	63.85
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.13	
		<i>For Stave Lumber Core (SLC), Add</i>	267.27	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	160.36	
		<i>For &gt;50 To 100, Deduct</i>	-27.39	
		<i>For &gt;100, Deduct</i>	-39.50	
08 14 16 00-0370	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	494.34	63.85
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.33	
		<i>For Stave Lumber Core (SLC), Add</i>	274.99	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	164.99	
		<i>For &gt;50 To 100, Deduct</i>	-27.91	
		<i>For &gt;100, Deduct</i>	-40.27	
08 14 16 00-0371	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	510.26	66.62
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.54	
		<i>For Stave Lumber Core (SLC), Add</i>	282.76	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	169.65	
		<i>For &gt;50 To 100, Deduct</i>	-28.84	
		<i>For &gt;100, Deduct</i>	-41.60	
08 14 16 00-0372	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	551.63	66.62
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.37	
		<i>For Stave Lumber Core (SLC), Add</i>	313.79	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	188.27	
		<i>For &gt;50 To 100, Deduct</i>	-30.91	
		<i>For &gt;100, Deduct</i>	-44.70	
08 14 16 00-0373	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	583.91	69.40
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.90	
		<i>For Stave Lumber Core (SLC), Add</i>	333.83	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	200.30	
		<i>For &gt;50 To 100, Deduct</i>	-32.67	
		<i>For &gt;100, Deduct</i>	-47.26	
08 14 16 00-0374	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	463.35	61.07
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.82	
		<i>For Stave Lumber Core (SLC), Add</i>	255.90	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	153.54	
		<i>For &gt;50 To 100, Deduct</i>	-26.22	
		<i>For &gt;100, Deduct</i>	-37.81	
08 14 16 00-0375	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	463.35	61.07
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.82	
		<i>For Stave Lumber Core (SLC), Add</i>	255.90	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	153.54	
		<i>For &gt;50 To 100, Deduct</i>	-26.22	
		<i>For &gt;100, Deduct</i>	-37.81	
08 14 16 00-0376	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	486.88	63.85
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.18	
		<i>For Stave Lumber Core (SLC), Add</i>	269.39	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	161.64	
		<i>For &gt;50 To 100, Deduct</i>	-27.54	
		<i>For &gt;100, Deduct</i>	-39.71	
08 14 16 00-0377	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	504.81	63.85
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.54	
		<i>For Stave Lumber Core (SLC), Add</i>	282.84	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	169.70	
		<i>For &gt;50 To 100, Deduct</i>	-28.43	
		<i>For &gt;100, Deduct</i>	-41.05	
08 14 16 00-0378	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	515.70	63.85
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.76	
		<i>For Stave Lumber Core (SLC), Add</i>	291.01	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	174.60	
		<i>For &gt;50 To 100, Deduct</i>	-28.98	
		<i>For &gt;100, Deduct</i>	-41.87	
08 14 16 00-0379	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	532.22	66.62
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.98	
		<i>For Stave Lumber Core (SLC), Add</i>	299.23	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	179.54	
		<i>For &gt;50 To 100, Deduct</i>	-29.94	
		<i>For &gt;100, Deduct</i>	-43.25	
08 14 16 00-0380	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	575.99	66.62
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.85	
		<i>For Stave Lumber Core (SLC), Add</i>	332.06	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	199.23	
		<i>For &gt;50 To 100, Deduct</i>	-32.13	
		<i>For &gt;100, Deduct</i>	-46.53	
08 14 16 00-0381	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	609.83	69.40
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-9.42	
		<i>For Stave Lumber Core (SLC), Add</i>	353.27	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	211.96	
		<i>For &gt;50 To 100, Deduct</i>	-33.96	
		<i>For &gt;100, Deduct</i>	-49.21	
08 14 16 00-0382	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	529.89	61.07
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.15	
		<i>For Stave Lumber Core (SLC), Add</i>	305.81	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	183.48	
		<i>For &gt;50 To 100, Deduct</i>	-29.55	
		<i>For &gt;100, Deduct</i>	-42.80	
		<i>For 9' Door Height, Add</i>	85.63	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 14 16 00-0383	EA		2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	529.89	61.07
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.15	
			<i>For Stave Lumber Core (SLC), Add</i>	305.81	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	183.48	
			<i>For &gt;50 To 100, Deduct</i>	-29.55	
			<i>For &gt;100, Deduct</i>	-42.80	
			<i>For 9' Door Height, Add</i>	85.63	
08 14 16 00-0384	EA		2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	556.92	63.85
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.58	
			<i>For Stave Lumber Core (SLC), Add</i>	321.92	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	193.15	
			<i>For &gt;50 To 100, Deduct</i>	-31.04	
			<i>For &gt;100, Deduct</i>	-44.96	
			<i>For 9' Door Height, Add</i>	90.14	
08 14 16 00-0385	EA		2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	578.31	63.85
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-9.01	
			<i>For Stave Lumber Core (SLC), Add</i>	337.97	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	202.78	
			<i>For &gt;50 To 100, Deduct</i>	-32.11	
			<i>For &gt;100, Deduct</i>	-46.57	
			<i>For 9' Door Height, Add</i>	94.63	
08 14 16 00-0386	EA		2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	591.36	63.85
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-9.27	
			<i>For Stave Lumber Core (SLC), Add</i>	347.75	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	208.65	
			<i>For &gt;50 To 100, Deduct</i>	-32.76	
			<i>For &gt;100, Deduct</i>	-47.54	
			<i>For 9' Door Height, Add</i>	97.37	
08 14 16 00-0387	EA		3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	610.00	66.62
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-9.54	
			<i>For Stave Lumber Core (SLC), Add</i>	357.56	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	214.54	
			<i>For &gt;50 To 100, Deduct</i>	-33.83	
			<i>For &gt;100, Deduct</i>	-49.08	
			<i>For 9' Door Height, Add</i>	100.12	
08 14 16 00-0388	EA		3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	662.33	66.62
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-10.58	
			<i>For Stave Lumber Core (SLC), Add</i>	396.81	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	238.09	
			<i>For &gt;50 To 100, Deduct</i>	-36.45	
			<i>For &gt;100, Deduct</i>	-53.01	
			<i>For 9' Door Height, Add</i>	111.11	
08 14 16 00-0389	EA		3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	701.68	69.40
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-11.26	
			<i>For Stave Lumber Core (SLC), Add</i>	422.16	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	253.30	
			<i>For &gt;50 To 100, Deduct</i>	-38.55	
			<i>For &gt;100, Deduct</i>	-56.10	
			<i>For 9' Door Height, Add</i>	118.20	

**08 14 16 00-0390 Luan Faced Wood Doors** (08 14 16 00-0314)

08 14 16 00-0391	EA		2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	284.33	61.07
			<i>For &gt;50 To 100, Deduct</i>	-17.27	
			<i>For &gt;100, Deduct</i>	-24.38	
08 14 16 00-0392	EA		2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	284.33	61.07
			<i>For &gt;50 To 100, Deduct</i>	-17.27	
			<i>For &gt;100, Deduct</i>	-24.38	
08 14 16 00-0393	EA		2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	298.75	63.85
			<i>For &gt;50 To 100, Deduct</i>	-18.13	
			<i>For &gt;100, Deduct</i>	-25.60	
08 14 16 00-0394	EA		2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	307.69	63.85
			<i>For &gt;50 To 100, Deduct</i>	-18.58	
			<i>For &gt;100, Deduct</i>	-26.27	
08 14 16 00-0395	EA		2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	312.18	63.85
			<i>For &gt;50 To 100, Deduct</i>	-18.80	
			<i>For &gt;100, Deduct</i>	-26.61	
08 14 16 00-0396	EA		3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	322.27	66.62
			<i>For &gt;50 To 100, Deduct</i>	-19.44	
			<i>For &gt;100, Deduct</i>	-27.50	
08 14 16 00-0397	EA		3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	343.02	66.62
			<i>For &gt;50 To 100, Deduct</i>	-20.48	
			<i>For &gt;100, Deduct</i>	-29.06	
08 14 16 00-0398	EA		3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	365.01	69.40
			<i>For &gt;50 To 100, Deduct</i>	-21.72	
			<i>For &gt;100, Deduct</i>	-30.85	
08 14 16 00-0399	EA		2'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	293.77	61.07
			<i>For &gt;50 To 100, Deduct</i>	-17.74	
			<i>For &gt;100, Deduct</i>	-25.09	
08 14 16 00-0400	EA		2'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	293.77	61.07
			<i>For &gt;50 To 100, Deduct</i>	-17.74	
			<i>For &gt;100, Deduct</i>	-25.09	
08 14 16 00-0401	EA		2'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	308.72	63.85
			<i>For &gt;50 To 100, Deduct</i>	-18.63	
			<i>For &gt;100, Deduct</i>	-26.35	
08 14 16 00-0402	EA		2'-8" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	318.17	63.85
			<i>For &gt;50 To 100, Deduct</i>	-19.10	
			<i>For &gt;100, Deduct</i>	-27.06	

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

08 14 16 00-0403	EA 2'-10" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	322.93	63.85
	For >50 To 100, Deduct	-19.34	
	For >100, Deduct	-27.41	
08 14 16 00-0404	EA 3'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	333.26	66.62
	For >50 To 100, Deduct	-19.99	
	For >100, Deduct	-28.33	
08 14 16 00-0405	EA 3'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	355.25	66.62
	For >50 To 100, Deduct	-21.09	
	For >100, Deduct	-29.98	
08 14 16 00-0406	EA 3'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	378.17	69.40
	For >50 To 100, Deduct	-22.38	
	For >100, Deduct	-31.83	
08 14 16 00-0407	EA 2'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	327.26	61.07
	For >50 To 100, Deduct	-19.42	
	For >100, Deduct	-27.60	
	For 9' Door Height, Add	43.07	
08 14 16 00-0408	EA 2'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	327.26	61.07
	For >50 To 100, Deduct	-19.42	
	For >100, Deduct	-27.60	
	For 9' Door Height, Add	43.07	
08 14 16 00-0409	EA 2'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	344.00	63.85
	For >50 To 100, Deduct	-20.39	
	For >100, Deduct	-28.99	
	For 9' Door Height, Add	45.43	
08 14 16 00-0410	EA 2'-8" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	355.32	63.85
	For >50 To 100, Deduct	-20.96	
	For >100, Deduct	-29.84	
	For 9' Door Height, Add	47.80	
08 14 16 00-0411	EA 2'-10" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	361.01	63.85
	For >50 To 100, Deduct	-21.24	
	For >100, Deduct	-30.27	
	For 9' Door Height, Add	49.00	
08 14 16 00-0412	EA 3'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	372.26	66.62
	For >50 To 100, Deduct	-21.94	
	For >100, Deduct	-31.25	
	For 9' Door Height, Add	50.19	
08 14 16 00-0413	EA 3'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	398.53	66.62
	For >50 To 100, Deduct	-23.26	
	For >100, Deduct	-33.22	
	For 9' Door Height, Add	55.71	
08 14 16 00-0414	EA 3'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	424.84	69.40
	For >50 To 100, Deduct	-24.71	
	For >100, Deduct	-35.33	
	For 9' Door Height, Add	60.07	

**08 14 16 00-0415 Medium Density Overlay (MDO) Faced Wood Doors (08 14 16 00-0314)**

08 14 16 00-0416	EA 2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door .....	305.30	61.07
	For Stave Lumber Core (SLC), Add	137.36	
	For Structural Composite Lumber Core (SCLC), Add	82.42	
	For >50 To 100, Deduct	-18.32	
	For >100, Deduct	-25.95	
08 14 16 00-0417	EA 2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door .....	305.30	61.07
	For Stave Lumber Core (SLC), Add	137.36	
	For Structural Composite Lumber Core (SCLC), Add	82.42	
	For >50 To 100, Deduct	-18.32	
	For >100, Deduct	-25.95	
08 14 16 00-0418	EA 2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door .....	321.48	63.85
	For Stave Lumber Core (SLC), Add	145.34	
	For Structural Composite Lumber Core (SCLC), Add	87.21	
	For >50 To 100, Deduct	-19.27	
	For >100, Deduct	-27.30	
08 14 16 00-0419	EA 2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door .....	332.09	63.85
	For Stave Lumber Core (SLC), Add	153.30	
	For Structural Composite Lumber Core (SCLC), Add	91.98	
	For >50 To 100, Deduct	-19.80	
	For >100, Deduct	-28.10	
08 14 16 00-0420	EA 2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door .....	334.03	63.85
	For Stave Lumber Core (SLC), Add	154.76	
	For Structural Composite Lumber Core (SCLC), Add	92.85	
	For >50 To 100, Deduct	-19.89	
	For >100, Deduct	-28.24	
08 14 16 00-0421	EA 3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door .....	341.57	66.62
	For Stave Lumber Core (SLC), Add	156.24	
	For Structural Composite Lumber Core (SCLC), Add	93.74	
	For >50 To 100, Deduct	-20.41	
	For >100, Deduct	-28.95	
08 14 16 00-0422	EA 3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door .....	364.56	66.62
	For Stave Lumber Core (SLC), Add	173.48	
	For Structural Composite Lumber Core (SCLC), Add	104.09	
	For >50 To 100, Deduct	-21.56	
	For >100, Deduct	-30.67	
08 14 16 00-0423	EA 3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door .....	412.00	69.40
	For Stave Lumber Core (SLC), Add	204.90	
	For Structural Composite Lumber Core (SCLC), Add	122.94	
	For >50 To 100, Deduct	-24.07	
	For >100, Deduct	-34.37	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0424	EA		2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	315.96	61.07
			<i>For Stave Lumber Core (SLC), Add</i>	145.36	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	87.21	
			<i>For &gt;50 To 100, Deduct</i>	-18.85	
			<i>For &gt;100, Deduct</i>	-26.75	
08 14 16 00-0425	EA		2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	315.98	61.07
			<i>For Stave Lumber Core (SLC), Add</i>	145.37	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	87.22	
			<i>For &gt;50 To 100, Deduct</i>	-18.85	
			<i>For &gt;100, Deduct</i>	-26.75	
08 14 16 00-0426	EA		2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	332.76	63.85
			<i>For Stave Lumber Core (SLC), Add</i>	153.80	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	92.28	
			<i>For &gt;50 To 100, Deduct</i>	-19.83	
			<i>For &gt;100, Deduct</i>	-28.15	
08 14 16 00-0427	EA		2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	343.98	63.85
			<i>For Stave Lumber Core (SLC), Add</i>	162.22	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	97.33	
			<i>For &gt;50 To 100, Deduct</i>	-20.39	
			<i>For &gt;100, Deduct</i>	-28.99	
08 14 16 00-0428	EA		2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	346.05	63.85
			<i>For Stave Lumber Core (SLC), Add</i>	163.77	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	98.26	
			<i>For &gt;50 To 100, Deduct</i>	-20.49	
			<i>For &gt;100, Deduct</i>	-29.15	
08 14 16 00-0429	EA		3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	353.70	66.62
			<i>For Stave Lumber Core (SLC), Add</i>	165.34	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	99.20	
			<i>For &gt;50 To 100, Deduct</i>	-21.02	
			<i>For &gt;100, Deduct</i>	-29.86	
08 14 16 00-0430	EA		3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	378.01	66.62
			<i>For Stave Lumber Core (SLC), Add</i>	183.57	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	110.14	
			<i>For &gt;50 To 100, Deduct</i>	-22.23	
			<i>For &gt;100, Deduct</i>	-31.68	
08 14 16 00-0431	EA		3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	427.92	69.40
			<i>For Stave Lumber Core (SLC), Add</i>	216.84	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	130.10	
			<i>For &gt;50 To 100, Deduct</i>	-24.87	
			<i>For &gt;100, Deduct</i>	-35.56	
08 14 16 00-0432	EA		2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	353.74	61.07
			<i>For Stave Lumber Core (SLC), Add</i>	173.69	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	104.22	
			<i>For &gt;50 To 100, Deduct</i>	-20.74	
			<i>For &gt;100, Deduct</i>	-29.58	
			<i>For 9' Door Height, Add</i>	48.63	
08 14 16 00-0433	EA		2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	353.77	61.07
			<i>For Stave Lumber Core (SLC), Add</i>	173.72	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	104.23	
			<i>For &gt;50 To 100, Deduct</i>	-20.74	
			<i>For &gt;100, Deduct</i>	-29.59	
			<i>For 9' Door Height, Add</i>	48.64	
08 14 16 00-0434	EA		2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	372.75	63.85
			<i>For Stave Lumber Core (SLC), Add</i>	183.80	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	110.28	
			<i>For &gt;50 To 100, Deduct</i>	-21.83	
			<i>For &gt;100, Deduct</i>	-31.15	
			<i>For 9' Door Height, Add</i>	51.46	
08 14 16 00-0435	EA		2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	386.15	63.85
			<i>For Stave Lumber Core (SLC), Add</i>	193.85	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	116.31	
			<i>For &gt;50 To 100, Deduct</i>	-22.50	
			<i>For &gt;100, Deduct</i>	-32.15	
			<i>For 9' Door Height, Add</i>	54.28	
08 14 16 00-0436	EA		2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	388.62	63.85
			<i>For Stave Lumber Core (SLC), Add</i>	195.70	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	117.42	
			<i>For &gt;50 To 100, Deduct</i>	-22.62	
			<i>For &gt;100, Deduct</i>	-32.34	
			<i>For 9' Door Height, Add</i>	54.80	
08 14 16 00-0437	EA		3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	396.69	66.62
			<i>For Stave Lumber Core (SLC), Add</i>	197.58	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	118.55	
			<i>For &gt;50 To 100, Deduct</i>	-23.17	
			<i>For &gt;100, Deduct</i>	-33.08	
			<i>For 9' Door Height, Add</i>	55.32	
08 14 16 00-0438	EA		3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	425.76	66.62
			<i>For Stave Lumber Core (SLC), Add</i>	219.38	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	131.63	
			<i>For &gt;50 To 100, Deduct</i>	-24.62	
			<i>For &gt;100, Deduct</i>	-35.26	
			<i>For 9' Door Height, Add</i>	61.43	
08 14 16 00-0439	EA		3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	484.31	69.40
			<i>For Stave Lumber Core (SLC), Add</i>	259.13	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	155.48	
			<i>For &gt;50 To 100, Deduct</i>	-27.69	
			<i>For &gt;100, Deduct</i>	-39.79	
			<i>For 9' Door Height, Add</i>	72.56	

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 14 16 00-0440	1-3/4" Thick, Particleboard Core (PC), Wood Doors <small>(08 14 16)</small>		
	Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.		
08 14 16 00-0441	<b>Birch Faced Wood Doors <small>(08 14 16 00-0440)</small></b>		
08 14 16 00-0442	EA 2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....	387.22	61.07
	For 7 Ply Cold Press Construction, Deduct	-5.30	
	For Stave Lumber Core (SLC), Add	198.80	
	For Structural Composite Lumber Core (SCLC), Add	119.28	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	31.81	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	143.14	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	198.80	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	318.08	
	For >50 To 100, Deduct	-22.41	
	For >100, Deduct	-32.10	
08 14 16 00-0443	EA 2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....	387.22	61.07
	For 7 Ply Cold Press Construction, Deduct	-5.30	
	For Stave Lumber Core (SLC), Add	198.80	
	For Structural Composite Lumber Core (SCLC), Add	119.28	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	31.81	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	143.14	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	198.80	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	318.08	
	For >50 To 100, Deduct	-22.41	
	For >100, Deduct	-32.10	
08 14 16 00-0444	EA 2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....	378.80	63.85
	For 7 Ply Cold Press Construction, Deduct	-5.02	
	For Stave Lumber Core (SLC), Add	188.33	
	For Structural Composite Lumber Core (SCLC), Add	113.00	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	30.13	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	135.60	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	188.33	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	301.33	
	For >50 To 100, Deduct	-22.13	
	For >100, Deduct	-31.60	
08 14 16 00-0445	EA 2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....	389.26	63.85
	For 7 Ply Cold Press Construction, Deduct	-5.23	
	For Stave Lumber Core (SLC), Add	196.18	
	For Structural Composite Lumber Core (SCLC), Add	117.71	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	31.39	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	141.25	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	196.18	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	313.88	
	For >50 To 100, Deduct	-22.66	
	For >100, Deduct	-32.39	
08 14 16 00-0446	EA 2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....	396.26	63.85
	For 7 Ply Cold Press Construction, Deduct	-5.37	
	For Stave Lumber Core (SLC), Add	201.43	
	For Structural Composite Lumber Core (SCLC), Add	120.86	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	32.23	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	145.03	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	201.43	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	322.28	
	For >50 To 100, Deduct	-23.01	
	For >100, Deduct	-32.91	
08 14 16 00-0447	EA 3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....	408.79	66.62
	For 7 Ply Cold Press Construction, Deduct	-5.51	
	For Stave Lumber Core (SLC), Add	206.66	
	For Structural Composite Lumber Core (SCLC), Add	123.99	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	33.06	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	148.79	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	206.66	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	330.65	
	For >50 To 100, Deduct	-23.77	
	For >100, Deduct	-33.99	
08 14 16 00-0448	EA 3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....	439.09	66.62
	For 7 Ply Cold Press Construction, Deduct	-6.12	
	For Stave Lumber Core (SLC), Add	229.38	
	For Structural Composite Lumber Core (SCLC), Add	137.63	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	36.70	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	165.15	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	229.38	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	367.01	
	For >50 To 100, Deduct	-25.29	
	For >100, Deduct	-36.26	
08 14 16 00-0449	EA 3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....	510.12	69.40
	For 7 Ply Cold Press Construction, Deduct	-7.43	
	For Stave Lumber Core (SLC), Add	278.49	
	For Structural Composite Lumber Core (SCLC), Add	167.09	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	44.56	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	200.51	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	278.49	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	445.58	
	For >50 To 100, Deduct	-28.98	
	For >100, Deduct	-41.73	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0450	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	528.68	69.40
			For 7 Ply Cold Press Construction, Deduct	-7.80	
			For Stave Lumber Core (SLC), Add	292.41	
			For Structural Composite Lumber Core (SCLC), Add	175.45	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	46.79	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	210.54	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	292.41	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	467.86	
			For >50 To 100, Deduct	-29.90	
			For >100, Deduct	-43.12	
08 14 16 00-0451	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	576.92	74.95
			For 7 Ply Cold Press Construction, Deduct	-8.54	
			For Stave Lumber Core (SLC), Add	320.26	
			For Structural Composite Lumber Core (SCLC), Add	192.15	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	51.24	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	230.59	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	320.26	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	512.41	
			For >50 To 100, Deduct	-32.59	
			For >100, Deduct	-47.02	
08 14 16 00-0452	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	374.68	61.07
			For 7 Ply Cold Press Construction, Deduct	-5.05	
			For Stave Lumber Core (SLC), Add	189.40	
			For Structural Composite Lumber Core (SCLC), Add	113.64	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	30.30	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	136.37	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	189.40	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	303.04	
			For >50 To 100, Deduct	-21.79	
			For >100, Deduct	-31.15	
08 14 16 00-0453	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	374.68	61.07
			For 7 Ply Cold Press Construction, Deduct	-5.05	
			For Stave Lumber Core (SLC), Add	189.40	
			For Structural Composite Lumber Core (SCLC), Add	113.64	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	30.30	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	136.37	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	189.40	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	303.04	
			For >50 To 100, Deduct	-21.79	
			For >100, Deduct	-31.15	
08 14 16 00-0454	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	393.42	63.85
			For 7 Ply Cold Press Construction, Deduct	-5.31	
			For Stave Lumber Core (SLC), Add	199.30	
			For Structural Composite Lumber Core (SCLC), Add	119.58	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	31.89	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	143.49	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	199.30	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	318.88	
			For >50 To 100, Deduct	-22.86	
			For >100, Deduct	-32.70	
08 14 16 00-0455	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	404.49	63.85
			For 7 Ply Cold Press Construction, Deduct	-5.54	
			For Stave Lumber Core (SLC), Add	207.60	
			For Structural Composite Lumber Core (SCLC), Add	124.56	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	33.22	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	149.47	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	207.60	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	332.16	
			For >50 To 100, Deduct	-23.42	
			For >100, Deduct	-33.53	
08 14 16 00-0456	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	411.89	63.85
			For 7 Ply Cold Press Construction, Deduct	-5.68	
			For Stave Lumber Core (SLC), Add	213.15	
			For Structural Composite Lumber Core (SCLC), Add	127.89	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	34.10	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	153.47	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	213.15	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	341.04	
			For >50 To 100, Deduct	-23.79	
			For >100, Deduct	-34.08	
08 14 16 00-0457	EA		3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	424.81	66.62
			For 7 Ply Cold Press Construction, Deduct	-5.83	
			For Stave Lumber Core (SLC), Add	218.67	
			For Structural Composite Lumber Core (SCLC), Add	131.20	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	34.99	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	157.44	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	218.67	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	349.87	
			For >50 To 100, Deduct	-24.57	
			For >100, Deduct	-35.19	
08 14 16 00-0458	EA		3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	456.89	66.62
			For 7 Ply Cold Press Construction, Deduct	-6.47	
			For Stave Lumber Core (SLC), Add	242.73	
			For Structural Composite Lumber Core (SCLC), Add	145.64	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	38.84	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	174.77	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	242.73	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	388.37	
			For >50 To 100, Deduct	-26.18	
			For >100, Deduct	-37.60	

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0459	EA		3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....531.74	531.74	69.40
			For 7 Ply Cold Press Construction, Deduct	-7.86	
			For Stave Lumber Core (SLC), Add	294.71	
			For Structural Composite Lumber Core (SCLC), Add	176.82	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	47.15	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	212.19	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	294.71	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	471.53	
			For >50 To 100, Deduct	-30.06	
			For >100, Deduct	-43.35	
08 14 16 00-0460	EA		3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....551.38	551.38	69.40
			For 7 Ply Cold Press Construction, Deduct	-8.25	
			For Stave Lumber Core (SLC), Add	309.44	
			For Structural Composite Lumber Core (SCLC), Add	185.66	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	49.51	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	222.79	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	309.44	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	495.10	
			For >50 To 100, Deduct	-31.04	
			For >100, Deduct	-44.82	
08 14 16 00-0461	EA		4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....601.77	601.77	74.95
			For 7 Ply Cold Press Construction, Deduct	-9.04	
			For Stave Lumber Core (SLC), Add	338.90	
			For Structural Composite Lumber Core (SCLC), Add	203.34	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	54.22	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	244.00	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	338.90	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	542.23	
			For >50 To 100, Deduct	-33.84	
			For >100, Deduct	-48.88	
08 14 16 00-0462	EA		2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....457.33	457.33	61.07
			For 7 Ply Cold Press Construction, Deduct	-6.70	
			For Stave Lumber Core (SLC), Add	251.39	
			For Structural Composite Lumber Core (SCLC), Add	150.83	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	40.22	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	181.00	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	251.39	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	402.22	
			For >50 To 100, Deduct	-25.92	
			For >100, Deduct	-37.35	
			For 9' Door Height, Add	70.39	
08 14 16 00-0463	EA		2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....457.33	457.33	61.07
			For 7 Ply Cold Press Construction, Deduct	-6.70	
			For Stave Lumber Core (SLC), Add	251.39	
			For Structural Composite Lumber Core (SCLC), Add	150.83	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	40.22	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	181.00	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	251.39	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	402.22	
			For >50 To 100, Deduct	-25.92	
			For >100, Deduct	-37.35	
			For 9' Door Height, Add	70.39	
08 14 16 00-0464	EA		2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....445.23	445.23	63.85
			For 7 Ply Cold Press Construction, Deduct	-6.35	
			For Stave Lumber Core (SLC), Add	238.16	
			For Structural Composite Lumber Core (SCLC), Add	142.89	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	38.10	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	171.47	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	238.16	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	381.05	
			For >50 To 100, Deduct	-25.45	
			For >100, Deduct	-36.58	
			For 9' Door Height, Add	66.68	
08 14 16 00-0465	EA		2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....458.45	458.45	63.85
			For 7 Ply Cold Press Construction, Deduct	-6.62	
			For Stave Lumber Core (SLC), Add	248.07	
			For Structural Composite Lumber Core (SCLC), Add	148.84	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	39.69	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	178.61	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	248.07	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	396.91	
			For >50 To 100, Deduct	-26.11	
			For >100, Deduct	-37.58	
			For 9' Door Height, Add	69.46	
08 14 16 00-0466	EA		2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....467.29	467.29	63.85
			For 7 Ply Cold Press Construction, Deduct	-6.79	
			For Stave Lumber Core (SLC), Add	254.70	
			For Structural Composite Lumber Core (SCLC), Add	152.82	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	40.75	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	183.38	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	254.70	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	407.52	
			For >50 To 100, Deduct	-26.56	
			For >100, Deduct	-38.24	
			For 9' Door Height, Add	71.32	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 14 16 00-0467	EA	3'-0" x 8' x 1-3/4"	Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	481.66 -6.97 261.31 156.78 41.81 188.14 261.31 418.09 -27.41 -39.46 73.17	66.62
08 14 16 00-0468	EA	3'-4" x 8' x 1-3/4"	Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	519.98 -7.73 290.05 174.03 46.41 208.83 290.05 464.08 -29.33 -42.33 81.21	66.62
08 14 16 00-0469	EA	3'-6" x 8' x 1-3/4"	Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	608.34 -9.39 352.16 211.29 56.34 253.55 352.16 563.45 -33.89 -49.10 98.60	69.40
08 14 16 00-0470	EA	3'-8" x 8' x 1-3/4"	Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	631.82 -9.86 369.77 221.86 59.16 266.23 369.77 591.62 -35.06 -50.86 103.53	69.40
08 14 16 00-0471	EA	4'-0" x 8' x 1-3/4"	Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	689.88 -10.80 404.98 242.99 64.80 291.58 404.98 647.96 -38.24 -55.49 113.39	74.95

**08 14 16 00-0472 Oak Faced Wood Doors (08 14 16 00-0440)**

08 14 16 00-0473	EA	2'-0" x 6'-8" x 1-3/4"	Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	480.17 -7.16 268.52 161.11 42.96 193.33 268.52 429.62 -27.06 -39.07	61.07
08 14 16 00-0474	EA	2'-4" x 6'-8" x 1-3/4"	Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	480.17 -7.16 268.52 161.11 42.96 193.33 268.52 429.62 -27.06 -39.07	61.07
08 14 16 00-0475	EA	2'-6" x 6'-8" x 1-3/4"	Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	485.71 -7.16 268.52 161.11 42.96 193.33 268.52 429.62 -27.48 -39.62	63.85

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 14 16 00-0476	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	489.39	63.85
		For 7 Ply Cold Press Construction, Deduct	-7.23	
		For Stave Lumber Core (SLC), Add	271.28	
		For Structural Composite Lumber Core (SCLC), Add	162.77	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	43.40	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	195.32	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	271.28	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	434.04	
		For >50 To 100, Deduct	-27.66	
		For >100, Deduct	-39.90	
08 14 16 00-0477	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door .....	491.05	63.85
		For 7 Ply Cold Press Construction, Deduct	-7.27	
		For Stave Lumber Core (SLC), Add	272.52	
		For Structural Composite Lumber Core (SCLC), Add	163.51	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	43.60	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	196.21	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	272.52	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	436.03	
		For >50 To 100, Deduct	-27.74	
		For >100, Deduct	-40.02	
08 14 16 00-0478	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	498.28	66.62
		For 7 Ply Cold Press Construction, Deduct	-7.30	
		For Stave Lumber Core (SLC), Add	273.77	
		For Structural Composite Lumber Core (SCLC), Add	164.26	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	43.80	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	197.12	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	273.77	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	438.04	
		For >50 To 100, Deduct	-28.25	
		For >100, Deduct	-40.70	
08 14 16 00-0479	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	538.37	66.62
		For 7 Ply Cold Press Construction, Deduct	-8.10	
		For Stave Lumber Core (SLC), Add	303.84	
		For Structural Composite Lumber Core (SCLC), Add	182.30	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	48.61	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	218.76	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	303.84	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	486.14	
		For >50 To 100, Deduct	-30.25	
		For >100, Deduct	-43.71	
08 14 16 00-0480	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	647.16	69.40
		For 7 Ply Cold Press Construction, Deduct	-10.17	
		For Stave Lumber Core (SLC), Add	381.27	
		For Structural Composite Lumber Core (SCLC), Add	228.76	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	61.00	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	274.51	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	381.27	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	610.03	
		For >50 To 100, Deduct	-35.83	
		For >100, Deduct	-52.01	
08 14 16 00-0481	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	672.94	69.40
		For 7 Ply Cold Press Construction, Deduct	-10.68	
		For Stave Lumber Core (SLC), Add	400.61	
		For Structural Composite Lumber Core (SCLC), Add	240.36	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	64.10	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	288.44	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	400.61	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	640.97	
		For >50 To 100, Deduct	-37.12	
		For >100, Deduct	-53.94	
08 14 16 00-0482	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	734.54	74.95
		For 7 Ply Cold Press Construction, Deduct	-11.69	
		For Stave Lumber Core (SLC), Add	438.47	
		For Structural Composite Lumber Core (SCLC), Add	263.08	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	70.16	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	315.70	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	438.47	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	701.56	
		For >50 To 100, Deduct	-40.47	
		For >100, Deduct	-58.84	
08 14 16 00-0483	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	501.00	61.07
		For 7 Ply Cold Press Construction, Deduct	-7.58	
		For Stave Lumber Core (SLC), Add	284.14	
		For Structural Composite Lumber Core (SCLC), Add	170.48	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	45.46	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	204.58	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	284.14	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	454.62	
		For >50 To 100, Deduct	-28.10	
		For >100, Deduct	-40.63	
08 14 16 00-0484	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	501.00	61.07
		For 7 Ply Cold Press Construction, Deduct	-7.58	
		For Stave Lumber Core (SLC), Add	284.14	
		For Structural Composite Lumber Core (SCLC), Add	170.48	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	45.46	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	204.58	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	284.14	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	454.62	
		For >50 To 100, Deduct	-28.10	
		For >100, Deduct	-40.63	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0485	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	506.54	63.85
			For 7 Ply Cold Press Construction, Deduct	-7.58	
			For Stave Lumber Core (SLC), Add	284.14	
			For Structural Composite Lumber Core (SCLC), Add	170.48	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	45.46	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	204.58	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	284.14	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	454.62	
			For >50 To 100, Deduct	-28.52	
			For >100, Deduct	-41.18	
08 14 16 00-0486	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	510.43	63.85
			For 7 Ply Cold Press Construction, Deduct	-7.65	
			For Stave Lumber Core (SLC), Add	287.06	
			For Structural Composite Lumber Core (SCLC), Add	172.23	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	45.93	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	206.68	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	287.06	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	459.29	
			For >50 To 100, Deduct	-28.71	
			For >100, Deduct	-41.47	
08 14 16 00-0487	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	512.20	63.85
			For 7 Ply Cold Press Construction, Deduct	-7.69	
			For Stave Lumber Core (SLC), Add	288.38	
			For Structural Composite Lumber Core (SCLC), Add	173.03	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	46.14	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	207.64	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	288.38	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	461.41	
			For >50 To 100, Deduct	-28.80	
			For >100, Deduct	-41.61	
08 14 16 00-0488	EA		3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	519.53	66.62
			For 7 Ply Cold Press Construction, Deduct	-7.73	
			For Stave Lumber Core (SLC), Add	289.71	
			For Structural Composite Lumber Core (SCLC), Add	173.83	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	46.35	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	208.59	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	289.71	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	463.54	
			For >50 To 100, Deduct	-29.31	
			For >100, Deduct	-42.30	
08 14 16 00-0489	EA		3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	561.95	66.62
			For 7 Ply Cold Press Construction, Deduct	-8.57	
			For Stave Lumber Core (SLC), Add	321.53	
			For Structural Composite Lumber Core (SCLC), Add	192.92	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	51.44	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	231.50	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	321.53	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	514.44	
			For >50 To 100, Deduct	-31.43	
			For >100, Deduct	-45.48	
08 14 16 00-0490	EA		3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	676.76	69.40
			For 7 Ply Cold Press Construction, Deduct	-10.76	
			For Stave Lumber Core (SLC), Add	403.47	
			For Structural Composite Lumber Core (SCLC), Add	242.08	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	64.56	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	290.50	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	403.47	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	645.55	
			For >50 To 100, Deduct	-37.31	
			For >100, Deduct	-54.23	
08 14 16 00-0491	EA		3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	704.02	69.40
			For 7 Ply Cold Press Construction, Deduct	-11.30	
			For Stave Lumber Core (SLC), Add	423.92	
			For Structural Composite Lumber Core (SCLC), Add	254.35	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	67.83	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	305.22	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	423.92	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	678.26	
			For >50 To 100, Deduct	-38.67	
			For >100, Deduct	-56.27	
08 14 16 00-0492	EA		4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	768.55	74.95
			For 7 Ply Cold Press Construction, Deduct	-12.37	
			For Stave Lumber Core (SLC), Add	463.98	
			For Structural Composite Lumber Core (SCLC), Add	278.39	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	74.24	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	334.07	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	463.98	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	742.37	
			For >50 To 100, Deduct	-42.18	
			For >100, Deduct	-61.39	
08 14 16 00-0493	EA		2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	574.86	61.07
			For 7 Ply Cold Press Construction, Deduct	-9.05	
			For Stave Lumber Core (SLC), Add	339.53	
			For Structural Composite Lumber Core (SCLC), Add	203.72	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	54.33	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	244.46	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	339.53	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	543.25	
			For >50 To 100, Deduct	-31.80	
			For >100, Deduct	-46.17	
			For 9' Door Height, Add	95.07	

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0494	EA		2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	574.86	61.07
			For 7 Ply Cold Press Construction, Deduct	-9.05	
			For Stave Lumber Core (SLC), Add	339.53	
			For Structural Composite Lumber Core (SCLC), Add	203.72	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	54.33	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	244.46	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	339.53	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	543.25	
			For >50 To 100, Deduct	-31.80	
			For >100, Deduct	-46.17	
			For 9' Door Height, Add	95.07	
08 14 16 00-0495	EA		2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	580.40	63.85
			For 7 Ply Cold Press Construction, Deduct	-9.05	
			For Stave Lumber Core (SLC), Add	339.53	
			For Structural Composite Lumber Core (SCLC), Add	203.72	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	54.33	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	244.46	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	339.53	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	543.25	
			For >50 To 100, Deduct	-32.21	
			For >100, Deduct	-46.72	
			For 9' Door Height, Add	95.07	
08 14 16 00-0496	EA		2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	585.07	63.85
			For 7 Ply Cold Press Construction, Deduct	-9.15	
			For Stave Lumber Core (SLC), Add	343.04	
			For Structural Composite Lumber Core (SCLC), Add	205.82	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	54.89	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	246.99	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	343.04	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	548.86	
			For >50 To 100, Deduct	-32.45	
			For >100, Deduct	-47.07	
			For 9' Door Height, Add	96.05	
08 14 16 00-0497	EA		2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	587.19	63.85
			For 7 Ply Cold Press Construction, Deduct	-9.19	
			For Stave Lumber Core (SLC), Add	344.63	
			For Structural Composite Lumber Core (SCLC), Add	206.78	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	55.14	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	248.13	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	344.63	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	551.40	
			For >50 To 100, Deduct	-32.55	
			For >100, Deduct	-47.23	
			For 9' Door Height, Add	96.50	
08 14 16 00-0498	EA		3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	594.84	66.62
			For 7 Ply Cold Press Construction, Deduct	-9.23	
			For Stave Lumber Core (SLC), Add	346.19	
			For Structural Composite Lumber Core (SCLC), Add	207.72	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	55.39	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	249.26	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	346.19	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	553.91	
			For >50 To 100, Deduct	-33.07	
			For >100, Deduct	-47.94	
			For 9' Door Height, Add	96.93	
08 14 16 00-0499	EA		3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	645.54	66.62
			For 7 Ply Cold Press Construction, Deduct	-10.25	
			For Stave Lumber Core (SLC), Add	384.22	
			For Structural Composite Lumber Core (SCLC), Add	230.53	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	61.47	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	276.64	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	384.22	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	614.75	
			For >50 To 100, Deduct	-35.61	
			For >100, Deduct	-51.75	
			For 9' Door Height, Add	107.58	
08 14 16 00-0500	EA		3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	781.66	69.40
			For 7 Ply Cold Press Construction, Deduct	-12.86	
			For Stave Lumber Core (SLC), Add	482.15	
			For Structural Composite Lumber Core (SCLC), Add	289.29	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	77.14	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	347.14	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	482.15	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	771.43	
			For >50 To 100, Deduct	-42.55	
			For >100, Deduct	-62.09	
			For 9' Door Height, Add	135.00	
08 14 16 00-0501	EA		3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	814.22	69.40
			For 7 Ply Cold Press Construction, Deduct	-13.51	
			For Stave Lumber Core (SLC), Add	506.57	
			For Structural Composite Lumber Core (SCLC), Add	303.94	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	81.05	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	364.73	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	506.57	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	810.50	
			For >50 To 100, Deduct	-44.18	
			For >100, Deduct	-64.54	
			For 9' Door Height, Add	141.84	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 14 16 00-0502	EA		4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	889.19	74.95
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-14.79	
			<i>For Stave Lumber Core (SLC), Add</i>	554.46	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	332.68	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	88.71	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	399.21	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	554.46	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	887.14	
			<i>For &gt;50 To 100, Deduct</i>	-48.21	
			<i>For &gt;100, Deduct</i>	-70.44	
			<i>For 9' Door Height, Add</i>	155.25	

**08 14 16 00-0503 Maple Faced Wood Doors** (08 14 16 00-0440)

08 14 16 00-0504	EA		2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door .....	551.77	61.07
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.59	
			<i>For Stave Lumber Core (SLC), Add</i>	322.22	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	193.33	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	51.55	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	231.99	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	322.22	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	515.54	
			<i>For &gt;50 To 100, Deduct</i>	-30.64	
			<i>For &gt;100, Deduct</i>	-44.44	
08 14 16 00-0505	EA		2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door .....	551.77	61.07
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.59	
			<i>For Stave Lumber Core (SLC), Add</i>	322.22	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	193.33	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	51.55	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	231.99	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	322.22	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	515.54	
			<i>For &gt;50 To 100, Deduct</i>	-30.64	
			<i>For &gt;100, Deduct</i>	-44.44	
08 14 16 00-0506	EA		2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door .....	557.31	63.85
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.59	
			<i>For Stave Lumber Core (SLC), Add</i>	322.22	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	193.33	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	51.55	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	231.99	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	322.22	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	515.54	
			<i>For &gt;50 To 100, Deduct</i>	-31.06	
			<i>For &gt;100, Deduct</i>	-44.99	
08 14 16 00-0507	EA		2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door .....	561.73	63.85
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.68	
			<i>For Stave Lumber Core (SLC), Add</i>	325.53	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	195.32	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	52.08	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	234.38	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	325.53	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	520.85	
			<i>For &gt;50 To 100, Deduct</i>	-31.28	
			<i>For &gt;100, Deduct</i>	-45.32	
08 14 16 00-0508	EA		2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door .....	563.71	63.85
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.72	
			<i>For Stave Lumber Core (SLC), Add</i>	327.02	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	196.21	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	52.32	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	235.45	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	327.02	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	523.22	
			<i>For &gt;50 To 100, Deduct</i>	-31.38	
			<i>For &gt;100, Deduct</i>	-45.47	
08 14 16 00-0509	EA		3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door .....	571.29	66.62
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.76	
			<i>For Stave Lumber Core (SLC), Add</i>	328.53	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	197.12	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	52.56	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	236.54	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	328.53	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	525.65	
			<i>For &gt;50 To 100, Deduct</i>	-31.90	
			<i>For &gt;100, Deduct</i>	-46.18	
08 14 16 00-0510	EA		3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door .....	619.41	66.62
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-9.72	
			<i>For Stave Lumber Core (SLC), Add</i>	364.62	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	218.77	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	58.34	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	262.53	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	364.62	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	583.39	
			<i>For &gt;50 To 100, Deduct</i>	-34.30	
			<i>For &gt;100, Deduct</i>	-49.79	

## 08 Openings

## 08 10 Doors and Frames

## 08 14 Wood Doors

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 14 16 00-0511	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	718.34	69.40
		For 7 Ply Cold Press Construction, Deduct	-11.59	
		For Stave Lumber Core (SLC), Add	434.66	
		For Structural Composite Lumber Core (SCLC), Add	260.79	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	69.54	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	312.95	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	434.66	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	695.45	
		For >50 To 100, Deduct	-39.39	
		For >100, Deduct	-57.35	
08 14 16 00-0512	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	779.33	69.40
		For 7 Ply Cold Press Construction, Deduct	-12.81	
		For Stave Lumber Core (SLC), Add	480.40	
		For Structural Composite Lumber Core (SCLC), Add	288.24	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	76.86	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	345.89	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	480.40	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	768.64	
		For >50 To 100, Deduct	-42.44	
		For >100, Deduct	-61.92	
08 14 16 00-0513	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	840.39	69.40
		For 7 Ply Cold Press Construction, Deduct	-14.03	
		For Stave Lumber Core (SLC), Add	526.19	
		For Structural Composite Lumber Core (SCLC), Add	315.72	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	84.19	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	378.86	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	526.19	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	841.91	
		For >50 To 100, Deduct	-45.49	
		For >100, Deduct	-66.50	
08 14 16 00-0514	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	576.77	61.07
		For 7 Ply Cold Press Construction, Deduct	-9.09	
		For Stave Lumber Core (SLC), Add	340.97	
		For Structural Composite Lumber Core (SCLC), Add	204.58	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	54.55	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	245.49	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	340.97	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	545.54	
		For >50 To 100, Deduct	-31.89	
		For >100, Deduct	-46.31	
08 14 16 00-0515	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	576.77	61.07
		For 7 Ply Cold Press Construction, Deduct	-9.09	
		For Stave Lumber Core (SLC), Add	340.97	
		For Structural Composite Lumber Core (SCLC), Add	204.58	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	54.55	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	245.49	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	340.97	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	545.54	
		For >50 To 100, Deduct	-31.89	
		For >100, Deduct	-46.31	
08 14 16 00-0516	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	582.31	63.85
		For 7 Ply Cold Press Construction, Deduct	-9.09	
		For Stave Lumber Core (SLC), Add	340.97	
		For Structural Composite Lumber Core (SCLC), Add	204.58	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	54.55	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	245.49	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	340.97	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	545.54	
		For >50 To 100, Deduct	-32.31	
		For >100, Deduct	-46.87	
08 14 16 00-0517	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	586.98	63.85
		For 7 Ply Cold Press Construction, Deduct	-9.19	
		For Stave Lumber Core (SLC), Add	344.47	
		For Structural Composite Lumber Core (SCLC), Add	206.68	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	55.11	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	248.02	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	344.47	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	551.15	
		For >50 To 100, Deduct	-32.54	
		For >100, Deduct	-47.22	
08 14 16 00-0518	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	589.10	63.85
		For 7 Ply Cold Press Construction, Deduct	-9.23	
		For Stave Lumber Core (SLC), Add	346.06	
		For Structural Composite Lumber Core (SCLC), Add	207.63	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	55.37	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	249.16	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	346.06	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	553.69	
		For >50 To 100, Deduct	-32.65	
		For >100, Deduct	-47.37	
08 14 16 00-0519	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	596.78	66.62
		For 7 Ply Cold Press Construction, Deduct	-9.27	
		For Stave Lumber Core (SLC), Add	347.65	
		For Structural Composite Lumber Core (SCLC), Add	208.59	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	55.62	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	250.31	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	347.65	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	556.24	
		For >50 To 100, Deduct	-33.17	
		For >100, Deduct	-48.09	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0520	EA		3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	647.69	66.62
			For 7 Ply Cold Press Construction, Deduct	-10.29	
			For Stave Lumber Core (SLC), Add	385.83	
			For Structural Composite Lumber Core (SCLC), Add	231.50	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	61.73	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	277.80	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	385.83	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	617.33	
			For >50 To 100, Deduct	-35.72	
			For >100, Deduct	-51.91	
08 14 16 00-0521	EA		3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	752.07	69.40
			For 7 Ply Cold Press Construction, Deduct	-12.27	
			For Stave Lumber Core (SLC), Add	459.95	
			For Structural Composite Lumber Core (SCLC), Add	275.97	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	73.59	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	331.17	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	459.95	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	735.92	
			For >50 To 100, Deduct	-41.07	
			For >100, Deduct	-59.88	
08 14 16 00-0522	EA		3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	816.63	69.40
			For 7 Ply Cold Press Construction, Deduct	-13.56	
			For Stave Lumber Core (SLC), Add	508.37	
			For Structural Composite Lumber Core (SCLC), Add	305.02	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	81.34	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	366.03	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	508.37	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	813.40	
			For >50 To 100, Deduct	-44.30	
			For >100, Deduct	-64.72	
08 14 16 00-0523	EA		4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	881.23	69.40
			For 7 Ply Cold Press Construction, Deduct	-14.85	
			For Stave Lumber Core (SLC), Add	556.82	
			For Structural Composite Lumber Core (SCLC), Add	334.09	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	89.09	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	400.91	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	556.82	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	890.92	
			For >50 To 100, Deduct	-47.53	
			For >100, Deduct	-69.56	
08 14 16 00-0524	EA		2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	665.41	61.07
			For 7 Ply Cold Press Construction, Deduct	-10.87	
			For Stave Lumber Core (SLC), Add	407.45	
			For Structural Composite Lumber Core (SCLC), Add	244.47	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	65.19	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	293.36	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	407.45	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	651.91	
			For >50 To 100, Deduct	-36.32	
			For >100, Deduct	-52.96	
			For 9' Door Height, Add	114.08	
08 14 16 00-0525	EA		2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	665.41	61.07
			For 7 Ply Cold Press Construction, Deduct	-10.87	
			For Stave Lumber Core (SLC), Add	407.45	
			For Structural Composite Lumber Core (SCLC), Add	244.47	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	65.19	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	293.36	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	407.45	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	651.91	
			For >50 To 100, Deduct	-36.32	
			For >100, Deduct	-52.96	
			For 9' Door Height, Add	114.08	
08 14 16 00-0526	EA		2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	670.95	63.85
			For 7 Ply Cold Press Construction, Deduct	-10.87	
			For Stave Lumber Core (SLC), Add	407.45	
			For Structural Composite Lumber Core (SCLC), Add	244.47	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	65.19	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	293.36	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	407.45	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	651.91	
			For >50 To 100, Deduct	-36.74	
			For >100, Deduct	-53.51	
			For 9' Door Height, Add	114.08	
08 14 16 00-0527	EA		2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	676.54	63.85
			For 7 Ply Cold Press Construction, Deduct	-10.98	
			For Stave Lumber Core (SLC), Add	411.64	
			For Structural Composite Lumber Core (SCLC), Add	246.98	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	65.86	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	296.38	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	411.64	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	658.62	
			For >50 To 100, Deduct	-37.02	
			For >100, Deduct	-53.93	
			For 9' Door Height, Add	115.26	

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 14 16 00-0528	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	679.08	63.85
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-11.03	
		<i>For Stave Lumber Core (SLC), Add</i>	413.54	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	248.13	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	66.17	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	297.75	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	413.54	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	661.67	
		<i>For &gt;50 To 100, Deduct</i>	-37.15	
		<i>For &gt;100, Deduct</i>	-54.12	
		<i>For 9' Door Height, Add</i>	115.79	
08 14 16 00-0529	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	687.15	66.62
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-11.08	
		<i>For Stave Lumber Core (SLC), Add</i>	415.43	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	249.26	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	66.47	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	299.11	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	415.43	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	664.68	
		<i>For &gt;50 To 100, Deduct</i>	-37.69	
		<i>For &gt;100, Deduct</i>	-54.87	
		<i>For 9' Door Height, Add</i>	116.32	
08 14 16 00-0530	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	748.00	66.62
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-12.30	
		<i>For Stave Lumber Core (SLC), Add</i>	461.06	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	276.64	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	73.77	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	331.97	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	461.06	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	737.70	
		<i>For &gt;50 To 100, Deduct</i>	-40.73	
		<i>For &gt;100, Deduct</i>	-59.43	
		<i>For 9' Door Height, Add</i>	129.10	
08 14 16 00-0531	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	871.64	69.40
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-14.66	
		<i>For Stave Lumber Core (SLC), Add</i>	549.63	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	329.78	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	87.94	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	395.73	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	549.63	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	879.41	
		<i>For &gt;50 To 100, Deduct</i>	-47.05	
		<i>For &gt;100, Deduct</i>	-68.84	
		<i>For 9' Door Height, Add</i>	153.90	
08 14 16 00-0532	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	948.79	69.40
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-16.20	
		<i>For Stave Lumber Core (SLC), Add</i>	607.49	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	364.50	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	97.20	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	437.39	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	607.49	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	971.99	
		<i>For &gt;50 To 100, Deduct</i>	-50.91	
		<i>For &gt;100, Deduct</i>	-74.63	
		<i>For 9' Door Height, Add</i>	170.10	
08 14 16 00-0533	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	1,025.98	69.40
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-17.74	
		<i>For Stave Lumber Core (SLC), Add</i>	665.39	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	399.23	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	106.46	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	479.08	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	665.39	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	1,064.62	
		<i>For &gt;50 To 100, Deduct</i>	-54.77	
		<i>For &gt;100, Deduct</i>	-80.42	
		<i>For 9' Door Height, Add</i>	186.31	

**08 14 16 00-0534 Walnut Faced Wood Doors** (08 14 16 00-0440)

08 14 16 00-0535	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door.....	671.46	61.07
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-10.99	
		<i>For Stave Lumber Core (SLC), Add</i>	411.98	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	247.19	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	65.92	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	296.63	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	411.98	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	659.17	
		<i>For &gt;50 To 100, Deduct</i>	-36.63	
		<i>For &gt;100, Deduct</i>	-53.41	
08 14 16 00-0536	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door.....	671.46	61.07
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-10.99	
		<i>For Stave Lumber Core (SLC), Add</i>	411.98	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	247.19	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	65.92	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	296.63	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	411.98	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	659.17	
		<i>For &gt;50 To 100, Deduct</i>	-36.63	
		<i>For &gt;100, Deduct</i>	-53.41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0537	EA		2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door.....	677.17	63.85
			For 7 Ply Cold Press Construction, Deduct	-10.99	
			For Stave Lumber Core (SLC), Add	412.11	
			For Structural Composite Lumber Core (SCLC), Add	247.27	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	65.94	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	296.72	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	412.11	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	659.38	
			For >50 To 100, Deduct	-37.05	
			For >100, Deduct	-53.98	
08 14 16 00-0538	EA		2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door.....	682.83	63.85
			For 7 Ply Cold Press Construction, Deduct	-11.10	
			For Stave Lumber Core (SLC), Add	416.36	
			For Structural Composite Lumber Core (SCLC), Add	249.81	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	66.62	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	299.78	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	416.36	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	666.17	
			For >50 To 100, Deduct	-37.33	
			For >100, Deduct	-54.40	
08 14 16 00-0539	EA		2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door.....	697.64	63.85
			For 7 Ply Cold Press Construction, Deduct	-11.40	
			For Stave Lumber Core (SLC), Add	427.46	
			For Structural Composite Lumber Core (SCLC), Add	256.48	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	68.39	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	307.77	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	427.46	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	683.94	
			For >50 To 100, Deduct	-38.07	
			For >100, Deduct	-55.52	
08 14 16 00-0540	EA		3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door.....	717.98	66.62
			For 7 Ply Cold Press Construction, Deduct	-11.69	
			For Stave Lumber Core (SLC), Add	438.55	
			For Structural Composite Lumber Core (SCLC), Add	263.13	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	70.17	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	315.75	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	438.55	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	701.68	
			For >50 To 100, Deduct	-39.23	
			For >100, Deduct	-57.18	
08 14 16 00-0541	EA		3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door.....	756.38	66.62
			For 7 Ply Cold Press Construction, Deduct	-12.46	
			For Stave Lumber Core (SLC), Add	467.35	
			For Structural Composite Lumber Core (SCLC), Add	280.41	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	74.78	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	336.49	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	467.35	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	747.76	
			For >50 To 100, Deduct	-41.15	
			For >100, Deduct	-60.06	
08 14 16 00-0542	EA		3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door.....	924.01	69.40
			For 7 Ply Cold Press Construction, Deduct	-15.70	
			For Stave Lumber Core (SLC), Add	588.91	
			For Structural Composite Lumber Core (SCLC), Add	353.34	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	94.23	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	424.01	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	588.91	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	942.25	
			For >50 To 100, Deduct	-49.67	
			For >100, Deduct	-72.77	
08 14 16 00-0543	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door.....	963.25	69.40
			For 7 Ply Cold Press Construction, Deduct	-16.49	
			For Stave Lumber Core (SLC), Add	618.34	
			For Structural Composite Lumber Core (SCLC), Add	371.00	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	98.93	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	445.20	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	618.34	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	989.34	
			For >50 To 100, Deduct	-51.63	
			For >100, Deduct	-75.71	
08 14 16 00-0544	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door.....	1,041.82	69.40
			For 7 Ply Cold Press Construction, Deduct	-18.06	
			For Stave Lumber Core (SLC), Add	677.27	
			For Structural Composite Lumber Core (SCLC), Add	406.36	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	108.36	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	487.63	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	677.27	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	1,083.62	
			For >50 To 100, Deduct	-55.56	
			For >100, Deduct	-81.61	
08 14 16 00-0545	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door.....	703.42	61.07
			For 7 Ply Cold Press Construction, Deduct	-11.63	
			For Stave Lumber Core (SLC), Add	435.95	
			For Structural Composite Lumber Core (SCLC), Add	261.57	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	69.75	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	313.89	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	435.95	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	697.52	
			For >50 To 100, Deduct	-38.22	
			For >100, Deduct	-55.81	

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 14 16 00-0546	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	703.42	61.07
		For 7 Ply Cold Press Construction, Deduct	-11.63	
		For Stave Lumber Core (SLC), Add	435.95	
		For Structural Composite Lumber Core (SCLC), Add	261.57	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	69.75	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	313.89	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	435.95	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	697.52	
		For >50 To 100, Deduct	-38.22	
		For >100, Deduct	-55.81	
08 14 16 00-0547	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	709.14	63.85
		For 7 Ply Cold Press Construction, Deduct	-11.63	
		For Stave Lumber Core (SLC), Add	436.09	
		For Structural Composite Lumber Core (SCLC), Add	261.65	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	69.77	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	313.98	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	436.09	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	697.74	
		For >50 To 100, Deduct	-38.65	
		For >100, Deduct	-56.38	
08 14 16 00-0548	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	715.15	63.85
		For 7 Ply Cold Press Construction, Deduct	-11.75	
		For Stave Lumber Core (SLC), Add	440.60	
		For Structural Composite Lumber Core (SCLC), Add	264.36	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	70.50	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	317.23	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	440.60	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	704.95	
		For >50 To 100, Deduct	-38.95	
		For >100, Deduct	-56.83	
08 14 16 00-0549	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	730.81	63.85
		For 7 Ply Cold Press Construction, Deduct	-12.06	
		For Stave Lumber Core (SLC), Add	452.34	
		For Structural Composite Lumber Core (SCLC), Add	271.40	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	72.37	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	325.68	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	452.34	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	723.74	
		For >50 To 100, Deduct	-39.73	
		For >100, Deduct	-58.00	
08 14 16 00-0550	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	752.00	66.62
		For 7 Ply Cold Press Construction, Deduct	-12.38	
		For Stave Lumber Core (SLC), Add	464.06	
		For Structural Composite Lumber Core (SCLC), Add	278.44	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	74.25	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	334.13	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	464.06	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	742.50	
		For >50 To 100, Deduct	-40.93	
		For >100, Deduct	-59.73	
08 14 16 00-0551	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	792.66	66.62
		For 7 Ply Cold Press Construction, Deduct	-13.19	
		For Stave Lumber Core (SLC), Add	494.56	
		For Structural Composite Lumber Core (SCLC), Add	296.73	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	79.13	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	356.08	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	494.56	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	791.29	
		For >50 To 100, Deduct	-42.96	
		For >100, Deduct	-62.78	
08 14 16 00-0552	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	969.69	69.40
		For 7 Ply Cold Press Construction, Deduct	-16.62	
		For Stave Lumber Core (SLC), Add	623.17	
		For Structural Composite Lumber Core (SCLC), Add	373.90	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	99.71	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	448.68	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	623.17	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	997.07	
		For >50 To 100, Deduct	-51.95	
		For >100, Deduct	-76.20	
08 14 16 00-0553	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	1,011.23	69.40
		For 7 Ply Cold Press Construction, Deduct	-17.45	
		For Stave Lumber Core (SLC), Add	654.32	
		For Structural Composite Lumber Core (SCLC), Add	392.59	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	104.69	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	471.11	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	654.32	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	1,046.92	
		For >50 To 100, Deduct	-54.03	
		For >100, Deduct	-79.31	
08 14 16 00-0554	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	1,094.36	69.40
		For 7 Ply Cold Press Construction, Deduct	-19.11	
		For Stave Lumber Core (SLC), Add	716.67	
		For Structural Composite Lumber Core (SCLC), Add	430.00	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	114.67	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	516.00	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	716.67	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	1,146.67	
		For >50 To 100, Deduct	-58.19	
		For >100, Deduct	-85.55	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 14 16 00-0555	EA	2'-0" x 8' x 1-3/4"	Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	816.77 -13.89 520.97 312.58 83.35 375.09 520.97 833.54 -43.89 -64.31 145.87	61.07
08 14 16 00-0556	EA	2'-4" x 8' x 1-3/4"	Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	816.77 -13.89 520.97 312.58 83.35 375.09 520.97 833.54 -43.89 -64.31 145.87	61.07
08 14 16 00-0557	EA	2'-6" x 8' x 1-3/4"	Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	822.53 -13.90 521.13 312.68 83.38 375.21 521.13 833.81 -44.32 -64.88 145.92	63.85
08 14 16 00-0558	EA	2'-8" x 8' x 1-3/4"	Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	829.70 -14.04 526.51 315.90 84.24 379.09 526.51 842.41 -44.68 -65.42 147.42	63.85
08 14 16 00-0559	EA	2'-10" x 8' x 1-3/4"	Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	848.41 -14.41 540.54 324.32 86.49 389.19 540.54 864.86 -45.61 -66.82 151.35	63.85
08 14 16 00-0560	EA	3'-0" x 8' x 1-3/4"	Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	872.67 -14.79 554.57 332.74 88.73 399.29 554.57 887.30 -46.96 -68.78 155.28	66.62
08 14 16 00-0561	EA	3'-4" x 8' x 1-3/4"	Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	921.25 -15.76 591.00 354.60 94.56 425.52 591.00 945.60 -49.39 -72.43 165.48	66.62
08 14 16 00-0562	EA	3'-6" x 8' x 1-3/4"	Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	1,131.73 -19.86 744.70 446.82 119.15 536.18 744.70 1,191.52 -60.06 -88.35 208.52	69.40

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 14 16 00-0563	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door .....	1,181.37	69.40
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-20.85	
		<i>For Stave Lumber Core (SLC), Add</i>	781.93	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	469.16	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	125.11	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	562.99	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	781.93	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	1,251.08	
		<i>For &gt;50 To 100, Deduct</i>	-62.54	
		<i>For &gt;100, Deduct</i>	-92.07	
		<i>For 9' Door Height, Add</i>	218.94	
08 14 16 00-0564	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door .....	1,280.69	69.40
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-22.84	
		<i>For Stave Lumber Core (SLC), Add</i>	856.42	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	513.85	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	137.03	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	616.62	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	856.42	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	1,370.27	
		<i>For &gt;50 To 100, Deduct</i>	-67.50	
		<i>For &gt;100, Deduct</i>	-99.52	
		<i>For 9' Door Height, Add</i>	239.80	

**08 14 16 00-0565 Lauan Faced Wood Doors** (08 14 16 00-0440)

08 14 16 00-0566	EA	2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door .....	342.92	61.07
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	26.49	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	119.22	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	165.58	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	264.92	
		<i>For &gt;50 To 100, Deduct</i>	-20.20	
		<i>For &gt;100, Deduct</i>	-28.77	
08 14 16 00-0567	EA	2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door .....	342.92	61.07
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	26.49	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	119.22	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	165.58	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	264.92	
		<i>For &gt;50 To 100, Deduct</i>	-20.20	
		<i>For &gt;100, Deduct</i>	-28.77	
08 14 16 00-0568	EA	2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door .....	349.10	63.85
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	26.57	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	119.56	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	166.06	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	265.69	
		<i>For &gt;50 To 100, Deduct</i>	-20.65	
		<i>For &gt;100, Deduct</i>	-29.37	
08 14 16 00-0569	EA	2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door .....	355.46	63.85
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	27.33	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	123.00	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	170.83	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	273.32	
		<i>For &gt;50 To 100, Deduct</i>	-20.97	
		<i>For &gt;100, Deduct</i>	-29.85	
08 14 16 00-0570	EA	2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door .....	357.76	63.85
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	27.61	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	124.24	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	172.55	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	276.08	
		<i>For &gt;50 To 100, Deduct</i>	-21.08	
		<i>For &gt;100, Deduct</i>	-30.02	
08 14 16 00-0571	EA	3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door .....	365.62	66.62
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	27.88	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	125.48	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	174.28	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	278.84	
		<i>For &gt;50 To 100, Deduct</i>	-21.61	
		<i>For &gt;100, Deduct</i>	-30.75	
08 14 16 00-0572	EA	3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door .....	386.62	66.62
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	30.40	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	136.82	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	190.03	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	304.04	
		<i>For &gt;50 To 100, Deduct</i>	-22.66	
		<i>For &gt;100, Deduct</i>	-32.33	
08 14 16 00-0573	EA	3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door .....	410.24	69.40
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	32.57	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	146.58	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	203.58	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	325.73	
		<i>For &gt;50 To 100, Deduct</i>	-23.98	
		<i>For &gt;100, Deduct</i>	-34.24	
08 14 16 00-0574	EA	3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door .....	423.81	69.40
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	34.20	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	153.91	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	213.76	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	342.01	
		<i>For &gt;50 To 100, Deduct</i>	-24.66	
		<i>For &gt;100, Deduct</i>	-35.26	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0575	EA		4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door ..... 450.97		69.40
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	37.46	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	168.57	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	234.13	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	374.60	
			For >50 To 100, Deduct	-26.02	
			For >100, Deduct	-37.29	
08 14 16 00-0576	EA		2'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door ..... 355.76		61.07
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	28.03	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	126.15	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	175.21	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	280.33	
			For >50 To 100, Deduct	-20.84	
			For >100, Deduct	-29.74	
08 14 16 00-0577	EA		2'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door ..... 355.75		61.07
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	28.03	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	126.14	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	175.20	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	280.32	
			For >50 To 100, Deduct	-20.84	
			For >100, Deduct	-29.74	
08 14 16 00-0578	EA		2'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door ..... 361.98		63.85
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	28.11	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	126.52	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	175.72	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	281.15	
			For >50 To 100, Deduct	-21.29	
			For >100, Deduct	-30.34	
08 14 16 00-0579	EA		2'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door ..... 368.70		63.85
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	28.92	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	130.15	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	180.76	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	289.21	
			For >50 To 100, Deduct	-21.63	
			For >100, Deduct	-30.84	
08 14 16 00-0580	EA		2'-10" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door ..... 371.16		63.85
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	29.22	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	131.47	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	182.60	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	292.16	
			For >50 To 100, Deduct	-21.75	
			For >100, Deduct	-31.03	
08 14 16 00-0581	EA		3'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door ..... 379.14		66.62
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	29.51	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	132.78	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	184.42	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	295.07	
			For >50 To 100, Deduct	-22.29	
			For >100, Deduct	-31.77	
08 14 16 00-0582	EA		3'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door ..... 401.36		66.62
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	32.17	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	144.78	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	201.08	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	321.73	
			For >50 To 100, Deduct	-23.40	
			For >100, Deduct	-33.43	
08 14 16 00-0583	EA		3'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door ..... 426.04		69.40
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	34.47	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	155.11	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	215.43	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	344.69	
			For >50 To 100, Deduct	-24.77	
			For >100, Deduct	-35.42	
08 14 16 00-0584	EA		3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door ..... 440.40		69.40
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	36.19	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	162.86	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	226.20	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	361.92	
			For >50 To 100, Deduct	-25.49	
			For >100, Deduct	-36.50	
08 14 16 00-0585	EA		4'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door ..... 469.14		69.40
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	39.64	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	178.38	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	247.76	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	396.41	
			For >50 To 100, Deduct	-26.93	
			For >100, Deduct	-38.66	
08 14 16 00-0586	EA		2'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door ..... 401.29		61.07
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	33.50	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	150.74	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	209.36	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	334.97	
			For >50 To 100, Deduct	-23.12	
			For >100, Deduct	-33.15	
			For 9' Door Height, Add	58.62	

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 14 16 00-0587	EA	2'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	401.29	61.07
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	33.50	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	150.74	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	209.36	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	334.97	
		<i>For &gt;50 To 100, Deduct</i>	-23.12	
		<i>For &gt;100, Deduct</i>	-33.15	
		<i>For 9' Door Height, Add</i>	58.62	
08 14 16 00-0588	EA	2'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	407.65	63.85
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	33.60	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	151.18	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	209.97	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	335.95	
		<i>For &gt;50 To 100, Deduct</i>	-23.57	
		<i>For &gt;100, Deduct</i>	-33.77	
		<i>For 9' Door Height, Add</i>	58.79	
08 14 16 00-0589	EA	2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	415.71	63.85
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	34.56	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	155.53	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	216.02	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	345.62	
		<i>For &gt;50 To 100, Deduct</i>	-23.98	
		<i>For &gt;100, Deduct</i>	-34.37	
		<i>For 9' Door Height, Add</i>	60.48	
08 14 16 00-0590	EA	2'-10" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	418.64	63.85
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	34.91	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	157.11	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	218.21	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	349.14	
		<i>For &gt;50 To 100, Deduct</i>	-24.12	
		<i>For &gt;100, Deduct</i>	-34.59	
		<i>For 9' Door Height, Add</i>	61.10	
08 14 16 00-0591	EA	3'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	427.10	66.62
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	35.26	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	158.68	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	220.39	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	352.62	
		<i>For &gt;50 To 100, Deduct</i>	-24.69	
		<i>For &gt;100, Deduct</i>	-35.36	
		<i>For 9' Door Height, Add</i>	61.71	
08 14 16 00-0592	EA	3'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	453.66	66.62
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	38.45	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	173.02	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	240.31	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	384.49	
		<i>For &gt;50 To 100, Deduct</i>	-26.01	
		<i>For &gt;100, Deduct</i>	-37.36	
		<i>For 9' Door Height, Add</i>	67.29	
08 14 16 00-0593	EA	3'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	482.05	69.40
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	41.19	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	185.36	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	257.44	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	411.90	
		<i>For &gt;50 To 100, Deduct</i>	-27.57	
		<i>For &gt;100, Deduct</i>	-39.62	
		<i>For 9' Door Height, Add</i>	72.08	
08 14 16 00-0594	EA	3'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	499.19	69.40
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	43.25	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	194.61	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	270.29	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	432.47	
		<i>For &gt;50 To 100, Deduct</i>	-28.43	
		<i>For &gt;100, Deduct</i>	-40.91	
		<i>For 9' Door Height, Add</i>	75.68	
08 14 16 00-0595	EA	4'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	533.56	69.40
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	47.37	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	213.17	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	296.07	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	473.71	
		<i>For &gt;50 To 100, Deduct</i>	-30.15	
		<i>For &gt;100, Deduct</i>	-43.49	
		<i>For 9' Door Height, Add</i>	82.90	
08 14 16 00-0596	<b>Medium Density Overlay (MDO) Wood Doors</b> (08 14 16 00-0440)			
08 14 16 00-0597	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door .....	352.29	61.07
		<i>For Stave Lumber Core (SLC), Add</i>	172.61	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	103.56	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	27.62	
		<i>For &gt;50 To 100, Deduct</i>	-20.67	
		<i>For &gt;100, Deduct</i>	-29.48	
08 14 16 00-0598	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door .....	352.29	61.07
		<i>For Stave Lumber Core (SLC), Add</i>	172.61	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	103.56	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	27.62	
		<i>For &gt;50 To 100, Deduct</i>	-20.67	
		<i>For &gt;100, Deduct</i>	-29.48	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0599	EA		2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... 371.16		63.85
			<i>For Stave Lumber Core (SLC), Add</i>	182.60	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	109.56	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	29.22	
			<i>For &gt;50 To 100, Deduct</i>	-21.75	
			<i>For &gt;100, Deduct</i>	-31.03	
08 14 16 00-0600	EA		2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... 384.45		63.85
			<i>For Stave Lumber Core (SLC), Add</i>	192.57	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	115.54	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	30.81	
			<i>For &gt;50 To 100, Deduct</i>	-22.41	
			<i>For &gt;100, Deduct</i>	-32.03	
08 14 16 00-0601	EA		2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... 386.93		63.85
			<i>For Stave Lumber Core (SLC), Add</i>	194.43	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	116.66	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	31.11	
			<i>For &gt;50 To 100, Deduct</i>	-22.54	
			<i>For &gt;100, Deduct</i>	-32.21	
08 14 16 00-0602	EA		3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... 395.00		66.62
			<i>For Stave Lumber Core (SLC), Add</i>	196.31	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	117.79	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	31.41	
			<i>For &gt;50 To 100, Deduct</i>	-23.08	
			<i>For &gt;100, Deduct</i>	-32.96	
08 14 16 00-0603	EA		3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... 423.85		66.62
			<i>For Stave Lumber Core (SLC), Add</i>	217.95	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	130.77	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	34.87	
			<i>For &gt;50 To 100, Deduct</i>	-24.52	
			<i>For &gt;100, Deduct</i>	-35.12	
08 14 16 00-0604	EA		3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... 482.08		69.40
			<i>For Stave Lumber Core (SLC), Add</i>	257.46	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	154.48	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	41.19	
			<i>For &gt;50 To 100, Deduct</i>	-27.57	
			<i>For &gt;100, Deduct</i>	-39.63	
08 14 16 00-0605	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... 499.26		69.40
			<i>For Stave Lumber Core (SLC), Add</i>	270.35	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	162.21	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	43.26	
			<i>For &gt;50 To 100, Deduct</i>	-28.43	
			<i>For &gt;100, Deduct</i>	-40.91	
08 14 16 00-0606	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... 533.56		69.40
			<i>For Stave Lumber Core (SLC), Add</i>	296.07	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	177.64	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	47.37	
			<i>For &gt;50 To 100, Deduct</i>	-30.15	
			<i>For &gt;100, Deduct</i>	-43.49	
08 14 16 00-0607	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... 365.69		61.07
			<i>For Stave Lumber Core (SLC), Add</i>	182.66	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	109.59	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	29.22	
			<i>For &gt;50 To 100, Deduct</i>	-21.34	
			<i>For &gt;100, Deduct</i>	-30.48	
08 14 16 00-0608	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... 365.69		61.07
			<i>For Stave Lumber Core (SLC), Add</i>	182.66	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	109.59	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	29.22	
			<i>For &gt;50 To 100, Deduct</i>	-21.34	
			<i>For &gt;100, Deduct</i>	-30.48	
08 14 16 00-0609	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... 385.34		63.85
			<i>For Stave Lumber Core (SLC), Add</i>	193.24	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	115.94	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	30.92	
			<i>For &gt;50 To 100, Deduct</i>	-22.46	
			<i>For &gt;100, Deduct</i>	-32.09	
08 14 16 00-0610	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... 399.41		63.85
			<i>For Stave Lumber Core (SLC), Add</i>	203.79	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	122.27	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	32.61	
			<i>For &gt;50 To 100, Deduct</i>	-23.16	
			<i>For &gt;100, Deduct</i>	-33.15	
08 14 16 00-0611	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... 402.03		63.85
			<i>For Stave Lumber Core (SLC), Add</i>	205.76	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	123.45	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	32.92	
			<i>For &gt;50 To 100, Deduct</i>	-23.29	
			<i>For &gt;100, Deduct</i>	-33.34	
08 14 16 00-0612	EA		3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... 410.24		66.62
			<i>For Stave Lumber Core (SLC), Add</i>	207.74	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	124.65	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	33.24	
			<i>For &gt;50 To 100, Deduct</i>	-23.64	
			<i>For &gt;100, Deduct</i>	-34.10	
08 14 16 00-0613	EA		3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... 440.75		66.62
			<i>For Stave Lumber Core (SLC), Add</i>	230.63	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	138.38	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	36.90	
			<i>For &gt;50 To 100, Deduct</i>	-25.37	
			<i>For &gt;100, Deduct</i>	-36.39	

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 14 16 00-0614	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	502.06	69.40
		<i>For Stave Lumber Core (SLC), Add</i>	272.45	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	163.47	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	43.59	
		<i>For &gt;50 To 100, Deduct</i>	-28.57	
		<i>For &gt;100, Deduct</i>	-41.12	
08 14 16 00-0615	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	520.23	69.40
		<i>For Stave Lumber Core (SLC), Add</i>	286.07	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	171.64	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	45.77	
		<i>For &gt;50 To 100, Deduct</i>	-29.48	
		<i>For &gt;100, Deduct</i>	-42.49	
08 14 16 00-0616	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	556.54	69.40
		<i>For Stave Lumber Core (SLC), Add</i>	313.31	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	187.98	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	50.13	
		<i>For &gt;50 To 100, Deduct</i>	-31.30	
		<i>For &gt;100, Deduct</i>	-45.21	
08 14 16 00-0617	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	413.17	61.07
		<i>For Stave Lumber Core (SLC), Add</i>	218.27	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	130.96	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	34.92	
		<i>For &gt;50 To 100, Deduct</i>	-23.71	
		<i>For &gt;100, Deduct</i>	-34.04	
		<i>For 9' Door Height, Add</i>	61.11	
08 14 16 00-0618	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	413.17	61.07
		<i>For Stave Lumber Core (SLC), Add</i>	218.27	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	130.96	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	34.92	
		<i>For &gt;50 To 100, Deduct</i>	-23.71	
		<i>For &gt;100, Deduct</i>	-34.04	
		<i>For 9' Door Height, Add</i>	61.11	
08 14 16 00-0619	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	435.58	63.85
		<i>For Stave Lumber Core (SLC), Add</i>	230.92	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	138.55	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	36.95	
		<i>For &gt;50 To 100, Deduct</i>	-24.97	
		<i>For &gt;100, Deduct</i>	-35.86	
		<i>For 9' Door Height, Add</i>	64.66	
08 14 16 00-0620	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	452.41	63.85
		<i>For Stave Lumber Core (SLC), Add</i>	243.54	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	146.12	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	38.97	
		<i>For &gt;50 To 100, Deduct</i>	-25.81	
		<i>For &gt;100, Deduct</i>	-37.12	
		<i>For 9' Door Height, Add</i>	68.19	
08 14 16 00-0621	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	455.52	63.85
		<i>For Stave Lumber Core (SLC), Add</i>	245.87	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	147.52	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	39.34	
		<i>For &gt;50 To 100, Deduct</i>	-25.97	
		<i>For &gt;100, Deduct</i>	-37.36	
		<i>For 9' Door Height, Add</i>	68.84	
08 14 16 00-0622	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	464.26	66.62
		<i>For Stave Lumber Core (SLC), Add</i>	248.26	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	148.95	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	39.72	
		<i>For &gt;50 To 100, Deduct</i>	-26.54	
		<i>For &gt;100, Deduct</i>	-38.15	
		<i>For 9' Door Height, Add</i>	69.51	
08 14 16 00-0623	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	500.72	66.62
		<i>For Stave Lumber Core (SLC), Add</i>	275.60	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	165.36	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	44.10	
		<i>For &gt;50 To 100, Deduct</i>	-28.37	
		<i>For &gt;100, Deduct</i>	-40.89	
		<i>For 9' Door Height, Add</i>	77.17	
08 14 16 00-0624	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	572.88	69.40
		<i>For Stave Lumber Core (SLC), Add</i>	325.56	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	195.34	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	52.09	
		<i>For &gt;50 To 100, Deduct</i>	-32.11	
		<i>For &gt;100, Deduct</i>	-46.44	
		<i>For 9' Door Height, Add</i>	91.16	
08 14 16 00-0625	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	594.62	69.40
		<i>For Stave Lumber Core (SLC), Add</i>	341.87	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	205.12	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	54.70	
		<i>For &gt;50 To 100, Deduct</i>	-33.20	
		<i>For &gt;100, Deduct</i>	-48.07	
		<i>For 9' Door Height, Add</i>	95.72	
08 14 16 00-0626	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	638.01	69.40
		<i>For Stave Lumber Core (SLC), Add</i>	374.41	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	224.64	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	59.91	
		<i>For &gt;50 To 100, Deduct</i>	-35.37	
		<i>For &gt;100, Deduct</i>	-51.32	
		<i>For 9' Door Height, Add</i>	104.83	

08 14 16 00-0627 Manufacturer Prefinished Options For Flush Wood Doors (08 14 16)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 14 16 00-0628	EA		Clear Or Colored Catalyzed Polyurethane Factory Finish For Flush Wood Door .....59.84 Note: Includes any standard manufacturer color on six sides. For Custom Color To Match Non Standard Manufacturer Finish, Add		19.93
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**08 14 23 Clad Wood Doors (08 14)**

**08 14 23 13 Metal-Faced Wood Doors (08 14 23)**

See CSI section 08 70 00 00-0000 for finish hardware.

08 14 23 13-0001			<b>24 Gauge Metal Clad Door, 1-3/4" Thick, Solid Staved Wood Core (08 14 23 13)</b>		
08 14 23 13-0002	EA		2' 6" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door .....	776.03	136.59
08 14 23 13-0003	EA		2' 8" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door .....	828.28	149.91
08 14 23 13-0004	EA		2' 10" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door .....	888.72	165.46
08 14 23 13-0005	EA		3'-0" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door .....	929.09	171.00
08 14 23 13-0006	EA		3' 4" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door .....	992.72	188.21
08 14 23 13-0007	EA		3' 8" x 7' x 1-3/4" Thick, Metal Clad Door, Solid Staved Wood Core, Flush Type Door .....	1,078.10	194.33

**08 14 23 16 Plastic-Laminate-Faced Wood Doors (08 14 23)**

**08 14 23 16-0001 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Doors (08 14 23 16)**

Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

08 14 23 16-0002	EA		2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....	263.73	61.07
			For Structural Composite Lumber Core (SCLC), Add	63.71	
			For 5 Ply Construction, Add	4.96	
			For >50 To 100, Deduct	-16.24	
			For >100, Deduct	-22.83	
08 14 23 16-0003	EA		2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....	263.73	61.07
			For Structural Composite Lumber Core (SCLC), Add	63.71	
			For 5 Ply Construction, Add	4.96	
			For >50 To 100, Deduct	-16.24	
			For >100, Deduct	-22.83	
08 14 23 16-0004	EA		2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....	277.06	63.85
			For Structural Composite Lumber Core (SCLC), Add	67.22	
			For 5 Ply Construction, Add	5.23	
			For >50 To 100, Deduct	-17.05	
			For >100, Deduct	-23.97	
08 14 23 16-0005	EA		2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....	284.84	63.85
			For Structural Composite Lumber Core (SCLC), Add	70.72	
			For 5 Ply Construction, Add	5.50	
			For >50 To 100, Deduct	-17.43	
			For >100, Deduct	-24.56	
08 14 23 16-0006	EA		2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....	288.77	63.85
			For Structural Composite Lumber Core (SCLC), Add	72.49	
			For 5 Ply Construction, Add	5.64	
			For >50 To 100, Deduct	-17.63	
			For >100, Deduct	-24.85	
08 14 23 16-0007	EA		3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....	298.24	66.62
			For Structural Composite Lumber Core (SCLC), Add	74.25	
			For 5 Ply Construction, Add	5.77	
			For >50 To 100, Deduct	-18.24	
			For >100, Deduct	-25.70	
08 14 23 16-0008	EA		3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....	316.38	66.62
			For Structural Composite Lumber Core (SCLC), Add	82.41	
			For 5 Ply Construction, Add	6.41	
			For >50 To 100, Deduct	-19.15	
			For >100, Deduct	-27.06	
08 14 23 16-0009	EA		3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....	333.65	69.40
			For Structural Composite Lumber Core (SCLC), Add	87.68	
			For 5 Ply Construction, Add	6.82	
			For >50 To 100, Deduct	-20.15	
			For >100, Deduct	-28.49	
08 14 23 16-0010	EA		2'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....	271.97	61.07
			For Structural Composite Lumber Core (SCLC), Add	67.42	
			For 5 Ply Construction, Add	5.24	
			For >50 To 100, Deduct	-16.65	
			For >100, Deduct	-23.45	
08 14 23 16-0011	EA		2'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....	271.96	61.07
			For Structural Composite Lumber Core (SCLC), Add	67.41	
			For 5 Ply Construction, Add	5.24	
			For >50 To 100, Deduct	-16.65	
			For >100, Deduct	-23.45	

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 14 23 16-0012	EA	2'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	285.75	63.85
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	71.13	
		<i>For 5 Ply Construction, Add</i>	5.53	
		<i>For &gt;50 To 100, Deduct</i>	-17.48	
		<i>For &gt;100, Deduct</i>	-24.62	
08 14 23 16-0013	EA	2'-8" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	293.99	63.85
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	74.84	
		<i>For 5 Ply Construction, Add</i>	5.82	
		<i>For &gt;50 To 100, Deduct</i>	-17.89	
		<i>For &gt;100, Deduct</i>	-25.24	
08 14 23 16-0014	EA	2'-10" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	298.14	63.85
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	76.70	
		<i>For 5 Ply Construction, Add</i>	5.97	
		<i>For &gt;50 To 100, Deduct</i>	-18.10	
		<i>For &gt;100, Deduct</i>	-25.55	
08 14 23 16-0015	EA	3'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	307.84	66.62
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	78.57	
		<i>For 5 Ply Construction, Add</i>	6.11	
		<i>For &gt;50 To 100, Deduct</i>	-18.72	
		<i>For &gt;100, Deduct</i>	-26.42	
08 14 23 16-0016	EA	3'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	327.04	66.62
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	87.21	
		<i>For 5 Ply Construction, Add</i>	6.78	
		<i>For &gt;50 To 100, Deduct</i>	-19.68	
		<i>For &gt;100, Deduct</i>	-27.86	
08 14 23 16-0017	EA	3'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	344.99	69.40
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	92.79	
		<i>For 5 Ply Construction, Add</i>	7.22	
		<i>For &gt;50 To 100, Deduct</i>	-20.72	
		<i>For &gt;100, Deduct</i>	-29.34	
08 14 23 16-0018	EA	2'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	301.18	61.07
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	80.56	
		<i>For 5 Ply Construction, Add</i>	6.27	
		<i>For &gt;50 To 100, Deduct</i>	-18.11	
		<i>For &gt;100, Deduct</i>	-25.64	
08 14 23 16-0019	EA	2'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	301.18	61.07
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	80.56	
		<i>For 5 Ply Construction, Add</i>	6.27	
		<i>For &gt;50 To 100, Deduct</i>	-18.11	
		<i>For &gt;100, Deduct</i>	-25.64	
08 14 23 16-0020	EA	2'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	316.58	63.85
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	85.00	
		<i>For 5 Ply Construction, Add</i>	6.61	
		<i>For &gt;50 To 100, Deduct</i>	-19.02	
		<i>For &gt;100, Deduct</i>	-26.94	
08 14 23 16-0021	EA	2'-8" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	326.42	63.85
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	89.43	
		<i>For 5 Ply Construction, Add</i>	6.96	
		<i>For &gt;50 To 100, Deduct</i>	-19.51	
		<i>For &gt;100, Deduct</i>	-27.67	
08 14 23 16-0022	EA	2'-10" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	331.38	63.85
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	91.66	
		<i>For 5 Ply Construction, Add</i>	7.13	
		<i>For &gt;50 To 100, Deduct</i>	-19.76	
		<i>For &gt;100, Deduct</i>	-28.05	
08 14 23 16-0023	EA	3'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	341.89	66.62
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	93.89	
		<i>For 5 Ply Construction, Add</i>	7.30	
		<i>For &gt;50 To 100, Deduct</i>	-20.43	
		<i>For &gt;100, Deduct</i>	-28.97	
08 14 23 16-0024	EA	3'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	364.83	66.62
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	104.21	
		<i>For 5 Ply Construction, Add</i>	8.11	
		<i>For &gt;50 To 100, Deduct</i>	-21.57	
		<i>For &gt;100, Deduct</i>	-30.69	
08 14 23 16-0025	EA	3'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	385.20	69.40
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	110.88	
		<i>For 5 Ply Construction, Add</i>	8.62	
		<i>For &gt;50 To 100, Deduct</i>	-22.73	
		<i>For &gt;100, Deduct</i>	-32.36	

**08 14 23 16-0026 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Doors** (08 14 23 16)

Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 14 23 16-0027	EA		2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....	363.36	61.07
			For 5 Ply Construction, Add	8.44	
			For Stave Lumber Core (SLC), Add	180.91	
			For Structural Composite Lumber Core (SCLC), Add	108.54	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	28.95	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	130.25	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	180.91	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	289.45	
			For >50 To 100, Deduct	-21.22	
			For >100, Deduct	-30.31	
08 14 23 16-0028	EA		2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....	363.35	61.07
			For 5 Ply Construction, Add	8.44	
			For Stave Lumber Core (SLC), Add	180.90	
			For Structural Composite Lumber Core (SCLC), Add	108.54	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	28.94	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	130.25	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	180.90	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	289.44	
			For >50 To 100, Deduct	-21.22	
			For >100, Deduct	-30.31	
08 14 23 16-0029	EA		2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....	376.43	63.85
			For 5 Ply Construction, Add	8.71	
			For Stave Lumber Core (SLC), Add	186.56	
			For Structural Composite Lumber Core (SCLC), Add	111.93	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	29.85	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	134.32	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	186.56	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	298.49	
			For >50 To 100, Deduct	-22.01	
			For >100, Deduct	-31.42	
08 14 23 16-0030	EA		2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....	376.43	63.85
			For 5 Ply Construction, Add	8.71	
			For Stave Lumber Core (SLC), Add	186.56	
			For Structural Composite Lumber Core (SCLC), Add	111.93	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	29.85	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	134.32	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	186.56	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	298.49	
			For >50 To 100, Deduct	-22.01	
			For >100, Deduct	-31.42	
08 14 23 16-0031	EA		2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....	391.37	63.85
			For 5 Ply Construction, Add	9.23	
			For Stave Lumber Core (SLC), Add	197.76	
			For Structural Composite Lumber Core (SCLC), Add	118.66	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	31.64	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	142.39	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	197.76	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	316.42	
			For >50 To 100, Deduct	-22.76	
			For >100, Deduct	-32.55	
08 14 23 16-0032	EA		3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....	411.87	66.62
			For 5 Ply Construction, Add	9.75	
			For Stave Lumber Core (SLC), Add	208.97	
			For Structural Composite Lumber Core (SCLC), Add	125.38	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	33.43	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	150.45	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	208.97	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	334.34	
			For >50 To 100, Deduct	-23.92	
			For >100, Deduct	-34.22	
08 14 23 16-0033	EA		3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....	427.14	66.62
			For 5 Ply Construction, Add	10.29	
			For Stave Lumber Core (SLC), Add	220.42	
			For Structural Composite Lumber Core (SCLC), Add	132.25	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	35.27	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	158.70	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	220.42	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	352.67	
			For >50 To 100, Deduct	-24.69	
			For >100, Deduct	-35.37	
08 14 23 16-0034	EA		3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....	440.32	69.40
			For 5 Ply Construction, Add	10.55	
			For Stave Lumber Core (SLC), Add	226.14	
			For Structural Composite Lumber Core (SCLC), Add	135.68	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	36.18	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	162.82	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	226.14	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	361.82	
			For >50 To 100, Deduct	-25.49	
			For >100, Deduct	-36.49	

## 08 Openings

## 08 10 Doors and Frames

## 08 14 Wood Doors

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 14 23 16-0035	EA 3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....	455.39	69.40
	For 5 Ply Construction, Add .....	11.08	
	For Stave Lumber Core (SLC), Add .....	237.44	
	For Structural Composite Lumber Core (SCLC), Add .....	142.47	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add .....	37.99	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add .....	170.96	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add .....	237.44	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add .....	379.91	
	For >50 To 100, Deduct .....	-26.24	
	For >100, Deduct .....	-37.62	
08 14 23 16-0036	EA 4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....	496.65	74.95
	For 5 Ply Construction, Add .....	12.14	
	For Stave Lumber Core (SLC), Add .....	260.06	
	For Structural Composite Lumber Core (SCLC), Add .....	156.03	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add .....	41.61	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add .....	187.24	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add .....	260.06	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add .....	416.09	
	For >50 To 100, Deduct .....	-28.58	
	For >100, Deduct .....	-41.00	
08 14 23 16-0037	EA 2'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....	377.40	61.07
	For 5 Ply Construction, Add .....	8.93	
	For Stave Lumber Core (SLC), Add .....	191.44	
	For Structural Composite Lumber Core (SCLC), Add .....	114.86	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add .....	30.63	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add .....	137.84	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add .....	191.44	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add .....	306.30	
	For >50 To 100, Deduct .....	-21.92	
	For >100, Deduct .....	-31.36	
08 14 23 16-0038	EA 2'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....	377.39	61.07
	For 5 Ply Construction, Add .....	8.93	
	For Stave Lumber Core (SLC), Add .....	191.43	
	For Structural Composite Lumber Core (SCLC), Add .....	114.86	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add .....	30.63	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add .....	137.83	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add .....	191.43	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add .....	306.29	
	For >50 To 100, Deduct .....	-21.92	
	For >100, Deduct .....	-31.36	
08 14 23 16-0039	EA 2'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....	390.91	63.85
	For 5 Ply Construction, Add .....	9.21	
	For Stave Lumber Core (SLC), Add .....	197.42	
	For Structural Composite Lumber Core (SCLC), Add .....	118.45	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add .....	31.59	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add .....	142.14	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add .....	197.42	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add .....	315.86	
	For >50 To 100, Deduct .....	-22.74	
	For >100, Deduct .....	-32.51	
08 14 23 16-0040	EA 2'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....	390.91	63.85
	For 5 Ply Construction, Add .....	9.21	
	For Stave Lumber Core (SLC), Add .....	197.42	
	For Structural Composite Lumber Core (SCLC), Add .....	118.45	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add .....	31.59	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add .....	142.14	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add .....	197.42	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add .....	315.86	
	For >50 To 100, Deduct .....	-22.74	
	For >100, Deduct .....	-32.51	
08 14 23 16-0041	EA 2'-10" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....	406.72	63.85
	For 5 Ply Construction, Add .....	9.77	
	For Stave Lumber Core (SLC), Add .....	209.27	
	For Structural Composite Lumber Core (SCLC), Add .....	125.56	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add .....	33.48	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add .....	150.68	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add .....	209.27	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add .....	334.84	
	For >50 To 100, Deduct .....	-23.53	
	For >100, Deduct .....	-33.70	
08 14 23 16-0042	EA 3'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....	428.09	66.62
	For 5 Ply Construction, Add .....	10.32	
	For Stave Lumber Core (SLC), Add .....	221.13	
	For Structural Composite Lumber Core (SCLC), Add .....	132.68	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add .....	35.38	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add .....	159.21	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add .....	221.13	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add .....	353.81	
	For >50 To 100, Deduct .....	-24.74	
	For >100, Deduct .....	-35.44	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 14 23 16-0043	EA		3'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	444.24	66.62
			For 5 Ply Construction, Add	10.88	
			For Stave Lumber Core (SLC), Add	233.24	
			For Structural Composite Lumber Core (SCLC), Add	139.95	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	37.32	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	167.93	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	233.24	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	373.19	
			For >50 To 100, Deduct	-25.54	
			For >100, Deduct	-36.65	
08 14 23 16-0044	EA		3'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	457.86	69.40
			For 5 Ply Construction, Add	11.17	
			For Stave Lumber Core (SLC), Add	239.30	
			For Structural Composite Lumber Core (SCLC), Add	143.58	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	38.29	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	172.29	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	239.30	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	382.87	
			For >50 To 100, Deduct	-26.36	
			For >100, Deduct	-37.81	
08 14 23 16-0045	EA		3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	473.81	69.40
			For 5 Ply Construction, Add	11.73	
			For Stave Lumber Core (SLC), Add	251.26	
			For Structural Composite Lumber Core (SCLC), Add	150.75	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	40.20	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	180.91	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	251.26	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	402.01	
			For >50 To 100, Deduct	-27.16	
			For >100, Deduct	-39.01	
08 14 23 16-0046	EA		4'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	516.82	74.95
			For 5 Ply Construction, Add	12.84	
			For Stave Lumber Core (SLC), Add	275.18	
			For Structural Composite Lumber Core (SCLC), Add	165.11	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	44.03	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	198.13	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	275.18	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	440.29	
			For >50 To 100, Deduct	-29.59	
			For >100, Deduct	-42.51	
08 14 23 16-0047	EA		2'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	427.18	61.07
			For 5 Ply Construction, Add	10.68	
			For Stave Lumber Core (SLC), Add	228.77	
			For Structural Composite Lumber Core (SCLC), Add	137.26	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	36.60	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	164.72	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	228.77	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	366.04	
			For >50 To 100, Deduct	-24.41	
			For >100, Deduct	-35.09	
08 14 23 16-0048	EA		2'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	427.16	61.07
			For 5 Ply Construction, Add	10.68	
			For Stave Lumber Core (SLC), Add	228.76	
			For Structural Composite Lumber Core (SCLC), Add	137.25	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	36.60	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	164.71	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	228.76	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	366.01	
			For >50 To 100, Deduct	-24.41	
			For >100, Deduct	-35.09	
08 14 23 16-0049	EA		2'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	442.24	63.85
			For 5 Ply Construction, Add	11.01	
			For Stave Lumber Core (SLC), Add	235.91	
			For Structural Composite Lumber Core (SCLC), Add	141.55	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	37.75	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	169.86	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	235.91	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	377.46	
			For >50 To 100, Deduct	-25.30	
			For >100, Deduct	-36.36	
08 14 23 16-0050	EA		2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	442.24	63.85
			For 5 Ply Construction, Add	11.01	
			For Stave Lumber Core (SLC), Add	235.91	
			For Structural Composite Lumber Core (SCLC), Add	141.55	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	37.75	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	169.86	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	235.91	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	377.46	
			For >50 To 100, Deduct	-25.30	
			For >100, Deduct	-36.36	

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 14 23 16-0051	EA	2'-10" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	461.13	63.85
		For 5 Ply Construction, Add	11.67	
		For Stave Lumber Core (SLC), Add	250.08	
		For Structural Composite Lumber Core (SCLC), Add	150.05	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	40.01	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	180.06	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	250.08	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	400.13	
		For >50 To 100, Deduct	-26.25	
		For >100, Deduct	-37.78	
08 14 23 16-0052	EA	3'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	485.58	66.62
		For 5 Ply Construction, Add	12.33	
		For Stave Lumber Core (SLC), Add	264.25	
		For Structural Composite Lumber Core (SCLC), Add	158.55	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	42.28	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	190.26	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	264.25	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	422.80	
		For >50 To 100, Deduct	-27.61	
		For >100, Deduct	-39.75	
08 14 23 16-0053	EA	3'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	504.88	66.62
		For 5 Ply Construction, Add	13.01	
		For Stave Lumber Core (SLC), Add	278.72	
		For Structural Composite Lumber Core (SCLC), Add	167.23	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	44.60	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	200.68	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	278.72	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	445.96	
		For >50 To 100, Deduct	-28.58	
		For >100, Deduct	-41.20	
08 14 23 16-0054	EA	3'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	520.07	69.40
		For 5 Ply Construction, Add	13.34	
		For Stave Lumber Core (SLC), Add	285.95	
		For Structural Composite Lumber Core (SCLC), Add	171.57	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	45.75	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	205.89	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	285.95	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	457.52	
		For >50 To 100, Deduct	-29.47	
		For >100, Deduct	-42.48	
08 14 23 16-0055	EA	3'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	539.13	69.40
		For 5 Ply Construction, Add	14.01	
		For Stave Lumber Core (SLC), Add	300.25	
		For Structural Composite Lumber Core (SCLC), Add	180.15	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	48.04	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	216.18	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	300.25	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	480.40	
		For >50 To 100, Deduct	-30.43	
		For >100, Deduct	-43.90	
08 14 23 16-0056	EA	4'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	588.37	74.95
		For 5 Ply Construction, Add	15.35	
		For Stave Lumber Core (SLC), Add	328.85	
		For Structural Composite Lumber Core (SCLC), Add	197.31	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	52.62	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	236.77	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	328.85	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	526.15	
		For >50 To 100, Deduct	-33.17	
		For >100, Deduct	-47.88	

**08 14 23 19 Molded-Hardboard-Faced Wood Doors (08 14 23)****08 14 23 19-0001 1-3/8" Thick, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Doors (08 14 23 19)**

08 14 23 19-0002	EA	2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	253.50	61.07
		For >50 To 100, Deduct	-15.73	
		For >100, Deduct	-22.07	
08 14 23 19-0003	EA	2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	253.50	61.07
		For >50 To 100, Deduct	-15.73	
		For >100, Deduct	-22.07	
08 14 23 19-0004	EA	2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	268.62	63.85
		For >50 To 100, Deduct	-16.62	
		For >100, Deduct	-23.34	
08 14 23 19-0005	EA	2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	273.18	63.85
		For >50 To 100, Deduct	-16.85	
		For >100, Deduct	-23.68	
08 14 23 19-0006	EA	2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	277.71	63.85
		For >50 To 100, Deduct	-17.08	
		For >100, Deduct	-24.02	
08 14 23 19-0007	EA	3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	287.83	66.62
		For >50 To 100, Deduct	-17.72	
		For >100, Deduct	-24.92	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0008 EA 3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	304.80	66.62
For >50 To 100, Deduct	-18.57	
For >100, Deduct	-26.19	
08 14 23 19-0009 EA 3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	321.35	69.40
For >50 To 100, Deduct	-19.54	
For >100, Deduct	-27.57	
08 14 23 19-0010 EA 2'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	261.14	61.07
For >50 To 100, Deduct	-16.11	
For >100, Deduct	-22.64	
08 14 23 19-0011 EA 2'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	261.14	61.07
For >50 To 100, Deduct	-16.11	
For >100, Deduct	-22.64	
08 14 23 19-0012 EA 2'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	276.83	63.85
For >50 To 100, Deduct	-17.03	
For >100, Deduct	-23.95	
08 14 23 19-0013 EA 2'-8" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	281.63	63.85
For >50 To 100, Deduct	-17.27	
For >100, Deduct	-24.31	
08 14 23 19-0014 EA 2'-10" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	286.44	63.85
For >50 To 100, Deduct	-17.51	
For >100, Deduct	-24.68	
08 14 23 19-0015 EA 3'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	296.81	66.62
For >50 To 100, Deduct	-18.17	
For >100, Deduct	-25.59	
08 14 23 19-0016 EA 3'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	314.77	66.62
For >50 To 100, Deduct	-19.07	
For >100, Deduct	-26.94	
08 14 23 19-0017 EA 3'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	331.96	69.40
For >50 To 100, Deduct	-20.07	
For >100, Deduct	-28.37	
08 14 23 19-0018 EA 2'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	288.26	61.07
For >50 To 100, Deduct	-17.47	
For >100, Deduct	-24.67	
08 14 23 19-0019 EA 2'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	288.26	61.07
For >50 To 100, Deduct	-17.47	
For >100, Deduct	-24.67	
08 14 23 19-0020 EA 2'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	305.92	63.85
For >50 To 100, Deduct	-18.49	
For >100, Deduct	-26.14	
08 14 23 19-0021 EA 2'-8" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	311.65	63.85
For >50 To 100, Deduct	-18.77	
For >100, Deduct	-26.57	
08 14 23 19-0022 EA 2'-10" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	317.42	63.85
For >50 To 100, Deduct	-19.06	
For >100, Deduct	-27.00	
08 14 23 19-0023 EA 3'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	328.70	66.62
For >50 To 100, Deduct	-19.77	
For >100, Deduct	-27.98	
08 14 23 19-0024 EA 3'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	350.17	66.62
For >50 To 100, Deduct	-20.84	
For >100, Deduct	-29.59	
08 14 23 19-0025 EA 3'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	369.61	69.40
For >50 To 100, Deduct	-21.95	
For >100, Deduct	-31.19	
<b>08 14 23 19-0026 1-3/4" Thick, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF)</b>		
<b>Faced Wood Doors</b> <small>(08 14 23 19)</small>		
08 14 23 19-0027 EA 2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	285.82	61.07
For >50 To 100, Deduct	-17.34	
For >100, Deduct	-24.49	
08 14 23 19-0028 EA 2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	285.82	61.07
For >50 To 100, Deduct	-17.34	
For >100, Deduct	-24.49	
08 14 23 19-0029 EA 2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	295.88	63.85
For >50 To 100, Deduct	-17.99	
For >100, Deduct	-25.38	
08 14 23 19-0030 EA 2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	305.01	63.85
For >50 To 100, Deduct	-18.44	
For >100, Deduct	-26.07	
08 14 23 19-0031 EA 2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	309.57	63.85
For >50 To 100, Deduct	-18.67	
For >100, Deduct	-26.41	
08 14 23 19-0032 EA 3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	319.62	66.62
For >50 To 100, Deduct	-19.31	
For >100, Deduct	-27.30	
08 14 23 19-0033 EA 3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	330.01	66.62
For >50 To 100, Deduct	-19.83	
For >100, Deduct	-28.08	
08 14 23 19-0034 EA 3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	369.36	69.40
For >50 To 100, Deduct	-21.94	
For >100, Deduct	-31.17	
08 14 23 19-0035 EA 3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	380.89	69.40
For >50 To 100, Deduct	-22.51	
For >100, Deduct	-32.04	
08 14 23 19-0036 EA 4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	403.98	69.40
For >50 To 100, Deduct	-23.67	
For >100, Deduct	-33.77	

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

08 14 23 19-0037	EA	2'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	295.33	61.07
		<i>For &gt;50 To 100, Deduct</i>	-17.82	
		<i>For &gt;100, Deduct</i>	-25.20	
08 14 23 19-0038	EA	2'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	295.33	61.07
		<i>For &gt;50 To 100, Deduct</i>	-17.82	
		<i>For &gt;100, Deduct</i>	-25.20	
08 14 23 19-0039	EA	2'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	305.68	63.85
		<i>For &gt;50 To 100, Deduct</i>	-18.48	
		<i>For &gt;100, Deduct</i>	-26.12	
08 14 23 19-0040	EA	2'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	315.33	63.85
		<i>For &gt;50 To 100, Deduct</i>	-18.96	
		<i>For &gt;100, Deduct</i>	-26.84	
08 14 23 19-0041	EA	2'-10" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	320.14	63.85
		<i>For &gt;50 To 100, Deduct</i>	-19.20	
		<i>For &gt;100, Deduct</i>	-27.20	
08 14 23 19-0042	EA	3'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	330.47	66.62
		<i>For &gt;50 To 100, Deduct</i>	-19.85	
		<i>For &gt;100, Deduct</i>	-28.12	
08 14 23 19-0043	EA	3'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	341.47	66.62
		<i>For &gt;50 To 100, Deduct</i>	-20.40	
		<i>For &gt;100, Deduct</i>	-28.94	
08 14 23 19-0044	EA	3'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	382.80	69.40
		<i>For &gt;50 To 100, Deduct</i>	-22.61	
		<i>For &gt;100, Deduct</i>	-32.18	
08 14 23 19-0045	EA	3'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	395.00	69.40
		<i>For &gt;50 To 100, Deduct</i>	-23.22	
		<i>For &gt;100, Deduct</i>	-33.10	
08 14 23 19-0046	EA	4'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	419.39	69.40
		<i>For &gt;50 To 100, Deduct</i>	-24.44	
		<i>For &gt;100, Deduct</i>	-34.92	
08 14 23 19-0047	EA	2'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	329.09	61.07
		<i>For &gt;50 To 100, Deduct</i>	-19.51	
		<i>For &gt;100, Deduct</i>	-27.74	
08 14 23 19-0048	EA	2'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	329.09	61.07
		<i>For &gt;50 To 100, Deduct</i>	-19.51	
		<i>For &gt;100, Deduct</i>	-27.74	
08 14 23 19-0049	EA	2'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	340.40	63.85
		<i>For &gt;50 To 100, Deduct</i>	-20.21	
		<i>For &gt;100, Deduct</i>	-28.72	
08 14 23 19-0050	EA	2'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	351.92	63.85
		<i>For &gt;50 To 100, Deduct</i>	-20.79	
		<i>For &gt;100, Deduct</i>	-29.59	
08 14 23 19-0051	EA	2'-10" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	357.65	63.85
		<i>For &gt;50 To 100, Deduct</i>	-21.07	
		<i>For &gt;100, Deduct</i>	-30.02	
08 14 23 19-0052	EA	3'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	368.94	66.62
		<i>For &gt;50 To 100, Deduct</i>	-21.78	
		<i>For &gt;100, Deduct</i>	-31.00	
08 14 23 19-0053	EA	3'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	382.06	66.62
		<i>For &gt;50 To 100, Deduct</i>	-22.43	
		<i>For &gt;100, Deduct</i>	-31.99	
08 14 23 19-0054	EA	3'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	430.39	69.40
		<i>For &gt;50 To 100, Deduct</i>	-24.99	
		<i>For &gt;100, Deduct</i>	-35.75	
08 14 23 19-0055	EA	3'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	444.96	69.40
		<i>For &gt;50 To 100, Deduct</i>	-25.72	
		<i>For &gt;100, Deduct</i>	-36.84	
08 14 23 19-0056	EA	4'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	474.13	69.40
		<i>For &gt;50 To 100, Deduct</i>	-27.18	
		<i>For &gt;100, Deduct</i>	-39.03	

**08 14 23 19-0057 1-3/8" Thick, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Doors**

(08 14 23 19)

Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

08 14 23 19-0058	EA	2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....	305.30	61.07
		<i>For &gt;50 To 100, Deduct</i>	-18.32	
		<i>For &gt;100, Deduct</i>	-25.95	
08 14 23 19-0059	EA	2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....	305.30	61.07
		<i>For &gt;50 To 100, Deduct</i>	-18.32	
		<i>For &gt;100, Deduct</i>	-25.95	
08 14 23 19-0060	EA	2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....	321.48	63.85
		<i>For &gt;50 To 100, Deduct</i>	-19.27	
		<i>For &gt;100, Deduct</i>	-27.30	
08 14 23 19-0061	EA	2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....	332.09	63.85
		<i>For &gt;50 To 100, Deduct</i>	-19.80	
		<i>For &gt;100, Deduct</i>	-28.10	
08 14 23 19-0062	EA	2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....	334.03	63.85
		<i>For &gt;50 To 100, Deduct</i>	-19.89	
		<i>For &gt;100, Deduct</i>	-28.24	
08 14 23 19-0063	EA	3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....	341.57	66.62
		<i>For &gt;50 To 100, Deduct</i>	-20.41	
		<i>For &gt;100, Deduct</i>	-28.95	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 14 23 19-0064	EA		3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i>	364.56 -21.56 -30.67	66.62
08 14 23 19-0065	EA		3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	412.00 -24.07 -34.37	69.40
08 14 23 19-0066	EA		2'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	315.98 -18.85 -26.75	61.07
08 14 23 19-0067	EA		2'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	315.98 -18.85 -26.75	61.07
08 14 23 19-0068	EA		2'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	332.76 -19.83 -28.15	63.85
08 14 23 19-0069	EA		2'-8" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	343.97 -20.39 -28.99	63.85
08 14 23 19-0070	EA		2'-10" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	346.05 -20.49 -29.15	63.85
08 14 23 19-0071	EA		3'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	353.70 -21.02 -29.86	66.62
08 14 23 19-0072	EA		3'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	378.03 -22.23 -31.68	66.62
08 14 23 19-0073	EA		3'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	427.91 -24.87 -35.56	69.40
08 14 23 19-0074	EA		2'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	353.77 -20.74 -29.59	61.07
08 14 23 19-0075	EA		2'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	353.77 -20.74 -29.59	61.07
08 14 23 19-0076	EA		2'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	372.75 -21.83 -31.15	63.85
08 14 23 19-0077	EA		2'-8" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	386.15 -22.50 -32.15	63.85
08 14 23 19-0078	EA		2'-10" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	388.62 -22.62 -32.34	63.85
08 14 23 19-0079	EA		3'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	396.69 -23.17 -33.08	66.62
08 14 23 19-0080	EA		3'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	425.76 -24.62 -35.26	66.62
08 14 23 19-0081	EA		3'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	484.31 -27.69 -39.79	69.40

**08 14 23 19-0082 1-3/4" Thick, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Doors** (08 14 23 19)

Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

08 14 23 19-0083	EA		2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	352.29 27.62 124.28 172.61 276.17 -20.67 -29.48	61.07
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## 08 Openings

## 08 10 Doors and Frames

## 08 14 Wood Doors

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0084	EA		2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....	352.29	61.07
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	27.62	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	124.28	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	172.61	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	276.17	
			For >50 To 100, Deduct	-20.67	
			For >100, Deduct	-29.48	
08 14 23 19-0085	EA		2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....	371.16	63.85
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	29.22	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	131.47	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	182.60	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	292.16	
			For >50 To 100, Deduct	-21.75	
			For >100, Deduct	-31.03	
08 14 23 19-0086	EA		2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....	384.45	63.85
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	30.81	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	138.65	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	192.57	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	308.11	
			For >50 To 100, Deduct	-22.41	
			For >100, Deduct	-32.03	
08 14 23 19-0087	EA		2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....	386.93	63.85
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	31.11	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	139.99	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	194.43	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	311.09	
			For >50 To 100, Deduct	-22.54	
			For >100, Deduct	-32.21	
08 14 23 19-0088	EA		3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....	395.00	66.62
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	31.41	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	141.35	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	196.31	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	314.10	
			For >50 To 100, Deduct	-23.08	
			For >100, Deduct	-32.96	
08 14 23 19-0089	EA		3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....	423.85	66.62
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	34.87	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	156.92	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	217.95	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	348.72	
			For >50 To 100, Deduct	-24.52	
			For >100, Deduct	-35.12	
08 14 23 19-0090	EA		3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....	482.08	69.40
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	41.19	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	185.37	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	257.46	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	411.94	
			For >50 To 100, Deduct	-27.57	
			For >100, Deduct	-39.63	
08 14 23 19-0091	EA		3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....	499.26	69.40
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	43.26	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	194.65	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	270.35	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	432.55	
			For >50 To 100, Deduct	-28.43	
			For >100, Deduct	-40.91	
08 14 23 19-0092	EA		4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....	533.56	69.40
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	47.37	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	213.17	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	296.07	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	473.71	
			For >50 To 100, Deduct	-30.15	
			For >100, Deduct	-43.49	
08 14 23 19-0093	EA		2'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....	365.69	61.07
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	29.22	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	131.51	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	182.66	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	292.25	
			For >50 To 100, Deduct	-21.34	
			For >100, Deduct	-30.48	
08 14 23 19-0094	EA		2'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....	365.69	61.07
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	29.22	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	131.51	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	182.66	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	292.25	
			For >50 To 100, Deduct	-21.34	
			For >100, Deduct	-30.48	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 14 23 19-0095	EA		2'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	385.34	63.85
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	30.92	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	139.13	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	193.24	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	309.18	
			For >50 To 100, Deduct	-22.46	
			For >100, Deduct	-32.09	
08 14 23 19-0096	EA		2'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	399.41	63.85
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	32.61	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	146.73	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	203.79	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	326.06	
			For >50 To 100, Deduct	-23.16	
			For >100, Deduct	-33.15	
08 14 23 19-0097	EA		2'-10" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	402.03	63.85
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	32.92	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	148.14	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	205.76	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	329.21	
			For >50 To 100, Deduct	-23.29	
			For >100, Deduct	-33.34	
08 14 23 19-0098	EA		3'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	410.24	66.62
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	33.24	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	149.57	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	207.74	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	332.39	
			For >50 To 100, Deduct	-23.84	
			For >100, Deduct	-34.10	
08 14 23 19-0099	EA		3'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	440.75	66.62
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	36.90	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	166.05	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	230.63	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	369.00	
			For >50 To 100, Deduct	-25.37	
			For >100, Deduct	-36.39	
08 14 23 19-0100	EA		3'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	502.06	69.40
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	43.59	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	196.16	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	272.45	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	435.91	
			For >50 To 100, Deduct	-28.57	
			For >100, Deduct	-41.12	
08 14 23 19-0101	EA		3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	520.23	69.40
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	45.77	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	205.97	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	286.07	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	457.72	
			For >50 To 100, Deduct	-29.48	
			For >100, Deduct	-42.49	
08 14 23 19-0102	EA		4'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	556.54	69.40
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	50.13	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	225.58	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	313.31	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	501.29	
			For >50 To 100, Deduct	-31.30	
			For >100, Deduct	-45.21	
08 14 23 19-0103	EA		2'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	413.17	61.07
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	34.92	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	157.15	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	218.27	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	349.22	
			For >50 To 100, Deduct	-23.71	
			For >100, Deduct	-34.04	
08 14 23 19-0104	EA		2'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	413.17	61.07
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	34.92	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	157.15	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	218.27	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	349.22	
			For >50 To 100, Deduct	-23.71	
			For >100, Deduct	-34.04	
08 14 23 19-0105	EA		2'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	435.58	63.85
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	36.95	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	166.26	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	230.92	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	369.47	
			For >50 To 100, Deduct	-24.97	
			For >100, Deduct	-35.86	

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 14 23 19-0106	EA	2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	452.41	63.85
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	38.97	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	175.35	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	243.54	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	389.66	
		For >50 To 100, Deduct	-25.81	
		For >100, Deduct	-37.12	
08 14 23 19-0107	EA	2'-10" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	455.52	63.85
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	39.34	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	177.03	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	245.87	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	393.40	
		For >50 To 100, Deduct	-25.97	
		For >100, Deduct	-37.36	
08 14 23 19-0108	EA	3'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	464.26	66.62
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	39.72	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	178.75	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	248.26	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	397.21	
		For >50 To 100, Deduct	-26.54	
		For >100, Deduct	-38.15	
08 14 23 19-0109	EA	3'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	500.72	66.62
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	44.10	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	198.43	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	275.60	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	440.96	
		For >50 To 100, Deduct	-28.37	
		For >100, Deduct	-40.89	
08 14 23 19-0110	EA	3'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	572.88	69.40
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	52.09	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	234.40	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	325.56	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	520.90	
		For >50 To 100, Deduct	-32.11	
		For >100, Deduct	-46.44	
08 14 23 19-0111	EA	3'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	594.62	69.40
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	54.70	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	246.14	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	341.87	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	546.98	
		For >50 To 100, Deduct	-33.20	
		For >100, Deduct	-48.07	
08 14 23 19-0112	EA	4'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	638.01	69.40
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	59.91	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	269.57	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	374.41	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	599.05	
		For >50 To 100, Deduct	-35.37	
		For >100, Deduct	-51.32	

**08 14 66 Wood Screen Doors** (08 14)

08 14 66 00-0001		Wood Screen Storm Door, Residential Grade (08 14 66) Note: Includes frame, trim, necessary anchors and usual hardware (closures, chain and spring, latching, screens, etc.).		
08 14 66 00-0002	EA	2'-8" x 6'-8" x 1-3/8" Thick, Wood Screen Door, Residential, With Frame, Trim, Hardware.....	571.41	159.90
08 14 66 00-0003	EA	3' x 6'-8" x 1-3/8" Thick, Wood Screen Door, Residential, With Frame, Trim, Hardware.....	596.09	177.67
08 14 66 00-0004	EA	2'-8" x 7" x 1-3/8" Thick, Wood Screen Door, Residential, With Frame, Trim, Hardware.....	571.41	159.90
08 14 66 00-0005	EA	3' x 7' x 1-3/8" Thick, Wood Screen Door, Residential, With Frame, Trim, Hardware.....	596.09	177.67

**08 14 73 Sliding Wood Doors** (08 14)

08 14 73 00-0001		Sliding Pocket Door (08 14 73) Note: Includes unfinished door, frame and trim, and all mounting and door hardware. See CSI section 08 14 73 00-0055 for accessories to be added.		
08 14 73 00-0002		Birch Faced Pocket Door (08 14 73 00-0001) Note: Includes door, frame and trim, and all mounting and door hardware.		
08 14 73 00-0003		1-3/8" Thick, Birch Faced Wood Pocket Door (08 14 73 00-0002) See CSI section 08 14 73 00-0055 for all jambs and track hardware.		
08 14 73 00-0004		6'-8" High, 1-3/8" Thick, Birch Faced Wood Pocket Door (08 14 73 00-0003)		
08 14 73 00-0005	EA	2'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	661.11	38.87
		For Oak, Add	161.02	
		For Ash/Hickory, Add	234.52	
		For Walnut, Add	341.87	
		For Cherry, Add	555.97	
08 14 73 00-0006	EA	2'-4" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	680.80	41.64
		For Oak, Add	164.92	
		For Ash/Hickory, Add	240.21	
		For Walnut, Add	350.15	
		For Cherry, Add	569.45	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0007	EA		2'-6" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	704.01	44.42
			For Oak, Add	169.80	
			For Ash/Hickory, Add	247.31	
			For Walnut, Add	360.51	
			For Cherry, Add	586.30	
08 14 73 00-0008	EA		2'-8" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	720.18	47.20
			For Oak, Add	172.73	
			For Ash/Hickory, Add	251.58	
			For Walnut, Add	366.73	
			For Cherry, Add	596.41	
08 14 73 00-0009	EA		2'-10" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	743.43	49.97
			For Oak, Add	177.61	
			For Ash/Hickory, Add	258.69	
			For Walnut, Add	377.09	
			For Cherry, Add	613.26	
08 14 73 00-0010	EA		3'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	763.11	52.75
			For Oak, Add	181.51	
			For Ash/Hickory, Add	264.37	
			For Walnut, Add	385.38	
			For Cherry, Add	626.73	
08 14 73 00-0011	EA		4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,305.58	69.40
			For Oak, Add	322.03	
			For Ash/Hickory, Add	469.05	
			For Walnut, Add	683.73	
			For Cherry, Add	1,111.94	
08 14 73 00-0012	EA		5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,380.32	74.95
			For Oak, Add	339.60	
			For Ash/Hickory, Add	494.63	
			For Walnut, Add	721.03	
			For Cherry, Add	1,172.59	
08 14 73 00-0013	EA		6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,476.30	80.51
			For Oak, Add	363.02	
			For Ash/Hickory, Add	528.74	
			For Walnut, Add	770.75	
			For Cherry, Add	1,253.46	
<b>08 14 73 00-0014</b>			<b>7' High, 1-3/8" Thick Birch Faced Wood Pocket Door</b> (08 14 73 00-0003)		
08 14 73 00-0015	EA		2'-0" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	784.86	38.87
			For Oak, Add	165.47	
			For Ash/Hickory, Add	165.47	
			For Walnut, Add	272.25	
			For Cherry, Add	511.26	
08 14 73 00-0016	EA		2'-4" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	822.23	41.64
			For Oak, Add	172.92	
			For Ash/Hickory, Add	172.92	
			For Walnut, Add	284.50	
			For Cherry, Add	534.27	
08 14 73 00-0017	EA		2'-6" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	848.98	44.42
			For Oak, Add	177.88	
			For Ash/Hickory, Add	177.88	
			For Walnut, Add	292.67	
			For Cherry, Add	549.61	
08 14 73 00-0018	EA		2'-8" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	872.21	47.20
			For Oak, Add	182.02	
			For Ash/Hickory, Add	182.02	
			For Walnut, Add	299.47	
			For Cherry, Add	562.39	
08 14 73 00-0019	EA		2'-10" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	891.93	49.97
			For Oak, Add	185.33	
			For Ash/Hickory, Add	185.33	
			For Walnut, Add	304.92	
			For Cherry, Add	572.62	
08 14 73 00-0020	EA		3'-0" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	918.68	52.75
			For Oak, Add	190.29	
			For Ash/Hickory, Add	190.29	
			For Walnut, Add	313.09	
			For Cherry, Add	587.95	
08 14 73 00-0021	EA		4' Wide, Two 2'-0" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,553.08	69.40
			For Oak, Add	330.94	
			For Ash/Hickory, Add	330.94	
			For Walnut, Add	544.50	
			For Cherry, Add	1,022.52	
08 14 73 00-0022	EA		5' Wide, Two 2'-6" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,670.25	74.95
			For Oak, Add	355.76	
			For Ash/Hickory, Add	355.76	
			For Walnut, Add	585.33	
			For Cherry, Add	1,099.21	
08 14 73 00-0023	EA		6' Wide, Two 3' x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,787.44	80.51
			For Oak, Add	380.58	
			For Ash/Hickory, Add	380.58	
			For Walnut, Add	626.17	
			For Cherry, Add	1,175.90	
<b>08 14 73 00-0024</b>			<b>1-3/4" Thick, Birch Faced Wood Pocket Door</b> (08 14 73 00-0002)		
			See CSI section 08 14 73 00-0055 for all jamb and track hardware.		
<b>08 14 73 00-0025</b>			<b>6'-8" High, 1-3/4" Thick Birch Faced Wood Pocket Door</b> (08 14 73 00-0024)		

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 14 73 00-0026	EA	2'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	997.00	38.87
		<i>For Oak, Add</i>	215.11	
		<i>For Ash/Hickory, Add</i>	215.11	
		<i>For Walnut, Add</i>	353.92	
		<i>For Cherry, Add</i>	664.64	
08 14 73 00-0027	EA	2'-4" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,044.98	41.64
		<i>For Oak, Add</i>	225.04	
		<i>For Ash/Hickory, Add</i>	225.04	
		<i>For Walnut, Add</i>	370.26	
		<i>For Cherry, Add</i>	695.32	
08 14 73 00-0028	EA	2'-6" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,071.72	44.42
		<i>For Oak, Add</i>	230.00	
		<i>For Ash/Hickory, Add</i>	230.00	
		<i>For Walnut, Add</i>	378.42	
		<i>For Cherry, Add</i>	710.65	
08 14 73 00-0029	EA	2'-8" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,102.03	47.20
		<i>For Oak, Add</i>	235.79	
		<i>For Ash/Hickory, Add</i>	235.79	
		<i>For Walnut, Add</i>	387.95	
		<i>For Cherry, Add</i>	728.55	
08 14 73 00-0030	EA	2'-10" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,128.82	49.97
		<i>For Oak, Add</i>	240.76	
		<i>For Ash/Hickory, Add</i>	240.76	
		<i>For Walnut, Add</i>	396.12	
		<i>For Cherry, Add</i>	743.89	
08 14 73 00-0031	EA	3'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,155.57	52.75
		<i>For Oak, Add</i>	245.72	
		<i>For Ash/Hickory, Add</i>	245.72	
		<i>For Walnut, Add</i>	404.29	
		<i>For Cherry, Add</i>	759.22	
08 14 73 00-0032	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,977.36	69.40
		<i>For Oak, Add</i>	430.22	
		<i>For Ash/Hickory, Add</i>	430.22	
		<i>For Walnut, Add</i>	707.85	
		<i>For Cherry, Add</i>	1,329.28	
08 14 73 00-0033	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	2,115.75	74.95
		<i>For Oak, Add</i>	460.01	
		<i>For Ash/Hickory, Add</i>	460.01	
		<i>For Walnut, Add</i>	756.85	
		<i>For Cherry, Add</i>	1,421.31	
08 14 73 00-0034	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	2,261.23	80.51
		<i>For Oak, Add</i>	491.45	
		<i>For Ash/Hickory, Add</i>	491.45	
		<i>For Walnut, Add</i>	808.58	
		<i>For Cherry, Add</i>	1,518.45	
<b>08 14 73 00-0035</b>		<b>7' High, 1-3/4" Thick Birch Faced Wood Pocket Door</b> <small>(08 14 73 00-0024)</small>		
08 14 73 00-0036	EA	2'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,067.72	38.87
		<i>For Oak, Add</i>	231.66	
		<i>For Ash/Hickory, Add</i>	231.66	
		<i>For Walnut, Add</i>	381.15	
		<i>For Cherry, Add</i>	715.77	
08 14 73 00-0037	EA	2'-4" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,122.77	41.64
		<i>For Oak, Add</i>	243.24	
		<i>For Ash/Hickory, Add</i>	243.24	
		<i>For Walnut, Add</i>	400.21	
		<i>For Cherry, Add</i>	751.56	
08 14 73 00-0038	EA	2'-6" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,153.05	44.42
		<i>For Oak, Add</i>	249.03	
		<i>For Ash/Hickory, Add</i>	249.03	
		<i>For Walnut, Add</i>	409.74	
		<i>For Cherry, Add</i>	769.45	
08 14 73 00-0039	EA	2'-8" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,183.36	47.20
		<i>For Oak, Add</i>	254.83	
		<i>For Ash/Hickory, Add</i>	254.83	
		<i>For Walnut, Add</i>	419.27	
		<i>For Cherry, Add</i>	787.35	
08 14 73 00-0040	EA	2'-10" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,210.14	49.97
		<i>For Oak, Add</i>	259.79	
		<i>For Ash/Hickory, Add</i>	259.79	
		<i>For Walnut, Add</i>	427.43	
		<i>For Cherry, Add</i>	802.68	
08 14 73 00-0041	EA	3'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,240.43	52.75
		<i>For Oak, Add</i>	265.58	
		<i>For Ash/Hickory, Add</i>	265.58	
		<i>For Walnut, Add</i>	436.96	
		<i>For Cherry, Add</i>	820.58	
08 14 73 00-0042	EA	4' Wide, Two 2'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	2,118.79	69.40
		<i>For Oak, Add</i>	463.32	
		<i>For Ash/Hickory, Add</i>	463.32	
		<i>For Walnut, Add</i>	762.30	
		<i>For Cherry, Add</i>	1,431.53	
08 14 73 00-0043	EA	5' Wide, Two 2'-6" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	2,278.39	74.95
		<i>For Oak, Add</i>	498.07	
		<i>For Ash/Hickory, Add</i>	498.07	
		<i>For Walnut, Add</i>	819.47	
		<i>For Cherry, Add</i>	1,538.90	



MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 14 73 00-0044	EA	6' Wide, Two 3'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door..... <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	2,430.94 531.16 531.16 873.92 1,641.15	80.51
<b>08 14 73 00-0045</b>		<b>8' High, 1-3/4" Thick Birch Faced Wood Pocket Door</b> <small>(08 14 73 00-0024)</small>		
08 14 73 00-0046	EA	2'-0" x 8' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced ..... <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	1,138.43 248.21 248.21 408.37 766.89	38.87
08 14 73 00-0047	EA	2'-4" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door ..... <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	1,193.48 259.79 259.79 427.43 802.68	41.64
08 14 73 00-0048	EA	2'-6" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door ..... <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	1,227.30 266.41 266.41 438.32 823.14	44.42
08 14 73 00-0049	EA	2'-8" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door ..... <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	1,261.14 273.03 273.03 449.21 843.58	47.20
08 14 73 00-0050	EA	2'-10" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door ..... <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	1,287.93 277.99 277.99 457.38 858.92	49.97
08 14 73 00-0051	EA	3'-0" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door ..... <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	1,321.75 284.61 284.61 468.27 879.37	52.75
08 14 73 00-0052	EA	4' Wide, Two 2'-0" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door..... <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	2,260.22 496.41 496.41 816.75 1,533.79	69.40
08 14 73 00-0053	EA	5' Wide, Two 2'-6" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door..... <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	2,426.89 532.82 532.82 876.64 1,646.26	74.95
08 14 73 00-0054	EA	6' Wide, Two 3'-0" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door..... <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	2,593.58 569.22 569.22 936.54 1,758.74	80.51
<b>08 14 73 00-0055</b>		<b>Accessories</b> <small>(08 14 73 00-0001)</small>		
<b>08 14 73 00-0056</b>		<b>Jamb Replacement</b> <small>(08 14 73 00-0055)</small>		
08 14 73 00-0057	EA	4-9/16 Or 4-3/4" Birch Jamb Replacement For Pocket Doors ..... <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	208.24 17.26 27.03 59.10 93.62	
08 14 73 00-0058	EA	5-1/4" Birch Jamb Replacement For Pocket Doors..... <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	213.16 17.81 27.90 61.01 96.63	
08 14 73 00-0059	EA	6-9/16" Or 6-3/4" Birch Jamb Replacement For Pocket Doors ..... <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	245.19 21.43 33.57 73.40 116.27	
<b>08 14 73 00-0060</b>		<b>Track And Hardware Replacement Kits</b> <small>(08 14 73 00-0055)</small>		
		Note: For double doors, use 2 appropriate sized hardware and 1 converging kit.		
08 14 73 00-0061	EA	Up To 2'-6" x 6'-8" Door Track And Hardware Replacement For Pocket Door .....	440.35	
08 14 73 00-0062	EA	2'-8" x 6'-8" Door Track And Hardware Replacement For Pocket Door .....	444.82	
08 14 73 00-0063	EA	3'-0" x 6'-8" Door Track And Hardware Replacement For Pocket Door .....	453.74	
08 14 73 00-0064	EA	Up To 2'-6" x 7' Door Track And Hardware Replacement For Pocket Door .....	538.55	
08 14 73 00-0065	EA	2'-8" x 7' Door Track And Hardware Replacement For Pocket Door.....	543.01	
08 14 73 00-0066	EA	3'-0" x 7' Door Track And Hardware Replacement For Pocket Door.....	551.94	
08 14 73 00-0067	EA	Up To 2'-6" x 8' Door Track And Hardware .....	583.18	
08 14 73 00-0068	EA	2'-8" x 8' Door Track And Hardware Replacement For Pocket Door.....	587.64	
08 14 73 00-0069	EA	3'-0" x 8' Door Track And Hardware Replacement For Pocket Door.....	596.57	
08 14 73 00-0070	EA	Double Door Converging Kit For Pocket Door .....	61.29	

**08 Openings**

**08 10 Doors and Frames**

**08 14 Wood Doors**



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>08 14 73 00-0071</b>		<b>Bi-Pass Doors</b> <small>(08 14 73)</small>			
Note: Includes unfinished doors, fascia track, hangers, door guide, door stop, and pulls. 125 LB maximum door weight (each opening).					
<b>08 14 73 00-0072</b>		<b>Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors</b> <small>(08 14 73 00-0071)</small>			
08 14 73 00-0073	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors	392.33		88.80
08 14 73 00-0074	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors	430.27		94.34
08 14 73 00-0075	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors	468.65		99.90
08 14 73 00-0076	EA	8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors	636.13		105.45
<b>08 14 73 00-0077</b>		<b>Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors</b> <small>(08 14 73 00-0071)</small>			
08 14 73 00-0078	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors	367.46		88.80
08 14 73 00-0079	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors	391.48		94.34
08 14 73 00-0080	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors	425.97		99.90
08 14 73 00-0081	EA	8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors	586.38		105.45
<b>08 14 73 00-0082</b>		<b>Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors</b> <small>(08 14 73 00-0071)</small>			
08 14 73 00-0083	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors	393.03		88.80
08 14 73 00-0084	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors	428.54		94.34
08 14 73 00-0085	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors	465.78		99.90
08 14 73 00-0086	EA	8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors	637.53		105.45
<b>08 14 76 Bifolding Wood Doors</b> <small>(08 14)</small>					
<b>08 14 76 00-0001</b>		<b>Bi-Fold Wood Doors</b> <small>(08 14 76)</small>			
Note: Includes doors, track, top and bottom pivots, door guide, track stop, panel hinge, bottom pivot bracket, top pivot lock, and 4-door aligner (when necessary). Excludes door frame and knobs.					
<b>08 14 76 00-0002</b>		<b>Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors</b> <small>(08 14 76 00-0001)</small>			
08 14 76 00-0003	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	194.08		66.59
08 14 76 00-0004	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	205.17		72.15
08 14 76 00-0005	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	220.34		77.70
08 14 76 00-0006	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	231.44		83.24
08 14 76 00-0007	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	294.45		88.80
08 14 76 00-0008	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	305.54		94.34
08 14 76 00-0009	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	325.25		99.90
<b>08 14 76 00-0010</b>		<b>Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors</b> <small>(08 14 76 00-0001)</small>			
08 14 76 00-0011	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	204.02		66.59
08 14 76 00-0012	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	218.36		72.15
08 14 76 00-0013	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	235.72		77.70
08 14 76 00-0014	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	246.82		83.24
08 14 76 00-0015	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	315.72		88.80
08 14 76 00-0016	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	338.70		94.34
08 14 76 00-0017	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	362.93		99.90
<b>08 14 76 00-0018</b>		<b>Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors</b> <small>(08 14 76 00-0001)</small>			
08 14 76 00-0019	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	204.48		66.59
08 14 76 00-0020	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	224.73		72.15
08 14 76 00-0021	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	241.59		77.70
08 14 76 00-0022	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	252.69		83.24
08 14 76 00-0023	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	320.85		88.80
08 14 76 00-0024	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	334.01		94.34
08 14 76 00-0025	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	362.93		99.90
<b>08 14 76 00-0026</b>		<b>Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors</b> <small>(08 14 76 00-0001)</small>			
08 14 76 00-0027	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	499.76		66.59
08 14 76 00-0028	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	570.08		72.15
08 14 76 00-0029	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	650.01		77.70
08 14 76 00-0030	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	661.11		83.24
08 14 76 00-0031	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	910.73		88.80
08 14 76 00-0032	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	1,040.27		94.34
08 14 76 00-0033	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	1,189.03		99.90
<b>08 14 76 00-0034</b>		<b>Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors</b> <small>(08 14 76 00-0001)</small>			
08 14 76 00-0035	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	635.82		66.59
08 14 76 00-0036	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	690.13		72.15
08 14 76 00-0037	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	754.06		77.70
08 14 76 00-0038	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	765.16		83.24
08 14 76 00-0039	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	1,182.85		88.80
08 14 76 00-0040	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	1,280.38		94.34
08 14 76 00-0041	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	1,397.12		99.90

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

08 14 76 00-0042			<b>Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors</b> (08 14 76 00-0001)		
08 14 76 00-0043	EA		2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	197.58	66.59
08 14 76 00-0044	EA		2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	212.75	72.15
08 14 76 00-0045	EA		2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	232.50	77.70
08 14 76 00-0046	EA		3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	236.31	83.24
08 14 76 00-0047	EA		4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	288.69	88.80
08 14 76 00-0048	EA		5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	311.21	94.34
08 14 76 00-0049	EA		6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	347.00	99.90

**08 15 Plastic Doors** (08 10)

Note: Includes machining for all hardware, except mortised locks. Excludes frames, finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.

**08 16 Composite Doors** (08 10)

Note: Includes machining for all hardware. Excludes frames, finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.

**08 16 13 Fiberglass Doors** (08 16)

See CSI section 08 70 00 00-0000 for finish hardware.

08 16 13 00-0001			<b>Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Frames And Doors</b> (08 16 13)		
08 16 13 00-0002			<b>Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf)</b> (08 16 13 00-0001)		
08 16 13 00-0003			<b>Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf)</b> (08 16 13 00-0002)		
08 16 13 00-0004			<b>Standard, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf)</b> (08 16 13 00-0003)		
08 16 13 00-0005			<b>6'-8" High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf)</b> (08 16 13 00-0004)		
08 16 13 00-0006	EA		3' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	2,858.91	66.62
			<i>For Custom Color Finish, Add</i>	148.34	
			<i>For Stainless Steel Continuous Hinge, Add</i>	330.19	
08 16 13 00-0007	EA		3'-6" x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,051.67	69.40
			<i>For Custom Color Finish, Add</i>	148.34	
			<i>For Stainless Steel Continuous Hinge, Add</i>	330.19	
08 16 13 00-0008	EA		4' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,345.18	74.95
			<i>For Custom Color Finish, Add</i>	148.34	
			<i>For Stainless Steel Continuous Hinge, Add</i>	330.19	
08 16 13 00-0009			<b>7' High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf)</b> (08 16 13 00-0004)		
08 16 13 00-0010	EA		3' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	2,858.91	66.62
			<i>For Custom Color Finish, Add</i>	148.34	
			<i>For Stainless Steel Continuous Hinge, Add</i>	330.19	
08 16 13 00-0011	EA		3'-6" x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,127.82	69.40
			<i>For Custom Color Finish, Add</i>	148.34	
			<i>For Stainless Steel Continuous Hinge, Add</i>	330.19	
08 16 13 00-0012	EA		4' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,426.09	74.95
			<i>For Custom Color Finish, Add</i>	148.34	
			<i>For Stainless Steel Continuous Hinge, Add</i>	330.19	
08 16 13 00-0013			<b>Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf)</b> (08 16 13 00-0003)		
08 16 13 00-0014			<b>45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf)</b> (08 16 13 00-0013)		
08 16 13 00-0015			<b>6'-8" High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf)</b> (08 16 13 00-0014)		
08 16 13 00-0016	EA		3' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,391.98	66.62
			<i>For Custom Color Finish, Add</i>	148.34	
			<i>For Stainless Steel Continuous Hinge, Add</i>	330.19	

**08 Openings****08 10 Doors and Frames****08 16 Composite Doors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 16 13 00-0017	EA 3'-6" x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,462.58	69.40
	<i>For Custom Color Finish, Add</i> .....	148.34	
	<i>For Stainless Steel Continuous Hinge, Add</i> .....	330.19	
08 16 13 00-0018	EA 4' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,948.06	74.95
	<i>For Custom Color Finish, Add</i> .....	148.34	
	<i>For Stainless Steel Continuous Hinge, Add</i> .....	330.19	
<b>08 16 13 00-0019</b>	<b>7' High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf)</b> <small>(08 16 13 00-0014)</small>		
08 16 13 00-0020	EA 3' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,391.98	66.62
	<i>For Custom Color Finish, Add</i> .....	148.34	
	<i>For Stainless Steel Continuous Hinge, Add</i> .....	330.19	
08 16 13 00-0021	EA 3'-6" x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,710.08	69.40
	<i>For Custom Color Finish, Add</i> .....	148.34	
	<i>For Stainless Steel Continuous Hinge, Add</i> .....	330.19	
08 16 13 00-0022	EA 4' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,040.08	74.95
	<i>For Custom Color Finish, Add</i> .....	148.34	
	<i>For Stainless Steel Continuous Hinge, Add</i> .....	330.19	
<b>08 16 13 00-0023</b>	<b>60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf)</b> <small>(08 16 13 00-0013)</small>		
<b>08 16 13 00-0024</b>	<b>6'-8" High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf)</b> <small>(08 16 13 00-0023)</small>		
08 16 13 00-0025	EA 3' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,391.98	66.62
	<i>For Custom Color Finish, Add</i> .....	148.34	
	<i>For Stainless Steel Continuous Hinge, Add</i> .....	330.19	
08 16 13 00-0026	EA 3'-6" x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,462.58	69.40
	<i>For Custom Color Finish, Add</i> .....	148.34	
	<i>For Stainless Steel Continuous Hinge, Add</i> .....	330.19	
08 16 13 00-0027	EA 4' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,948.06	74.95
	<i>For Custom Color Finish, Add</i> .....	148.34	
	<i>For Stainless Steel Continuous Hinge, Add</i> .....	330.19	
<b>08 16 13 00-0028</b>	<b>7' High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf)</b> <small>(08 16 13 00-0023)</small>		
08 16 13 00-0029	EA 3' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,391.98	66.62
	<i>For Custom Color Finish, Add</i> .....	148.34	
	<i>For Stainless Steel Continuous Hinge, Add</i> .....	330.19	
08 16 13 00-0030	EA 3'-6" x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,710.08	69.40
	<i>For Custom Color Finish, Add</i> .....	148.34	
	<i>For Stainless Steel Continuous Hinge, Add</i> .....	330.19	
08 16 13 00-0031	EA 4' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,040.08	74.95
	<i>For Custom Color Finish, Add</i> .....	148.34	
	<i>For Stainless Steel Continuous Hinge, Add</i> .....	330.19	
<b>08 16 13 00-0032</b>	<b>90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf)</b> <small>(08 16 13 00-0013)</small>		
<b>08 16 13 00-0033</b>	<b>6'-8" High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf)</b> <small>(08 16 13 00-0032)</small>		
08 16 13 00-0034	EA 3' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,391.98	66.62
	<i>For Custom Color Finish, Add</i> .....	148.34	
	<i>For Stainless Steel Continuous Hinge, Add</i> .....	330.19	
08 16 13 00-0035	EA 3'-6" x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,462.58	69.40
	<i>For Custom Color Finish, Add</i> .....	148.34	
	<i>For Stainless Steel Continuous Hinge, Add</i> .....	330.19	
08 16 13 00-0036	EA 4' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,948.06	74.95
	<i>For Custom Color Finish, Add</i> .....	148.34	
	<i>For Stainless Steel Continuous Hinge, Add</i> .....	330.19	
<b>08 16 13 00-0037</b>	<b>7' High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf)</b> <small>(08 16 13 00-0032)</small>		
08 16 13 00-0038	EA 3' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,391.98	66.62
	<i>For Custom Color Finish, Add</i> .....	148.34	
	<i>For Stainless Steel Continuous Hinge, Add</i> .....	330.19	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 16 13 00-0039	EA		3'-6" x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	3,710.08 148.34 330.19	69.40
08 16 13 00-0040	EA		4' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,040.08 148.34 330.19	74.95
08 16 13 00-0041			<b>Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf)</b> (08 16 13 00-0003) Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0042			<b>6'-8" High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf)</b> (08 16 13 00-0041)		
08 16 13 00-0043	EA		3' x 6'-8", Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) ..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	3,022.32 148.34 330.19	66.62
08 16 13 00-0044			<b>7' High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf)</b> (08 16 13 00-0041)		
08 16 13 00-0045	EA		3' x 7', Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) ..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	3,022.32 148.34 330.19	66.62
08 16 13 00-0046			<b>Accessories For Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors (Chem-Pruf)</b> (08 16 13 00-0002)		
08 16 13 00-0047	SI		1/4" Tempered, Factory Installed Vision Glass (Chem-Pruf) .....	0.41	
08 16 13 00-0048	SI		1/4" Laminated, Factory Installed Vision Glass (Chem-Pruf) .....	0.41	
08 16 13 00-0049	SI		1/4" Wire, Factory Installed Vision Glass (Chem-Pruf) .....	0.54	
08 16 13 00-0050	SI		1/2" Insulated, Factory Installed Vision Glass (Chem-Pruf) .....	0.52	
08 16 13 00-0051	SI		Factory Installed Molded Louver (Chem-Pruf) .....	1.04	
08 16 13 00-0052	SI		Factory Installed Molded Louver With Insect Screen (Chem-Pruf) .....	1.17	
08 16 13 00-0053	LF		Weather Strip (Chem-Pruf) .....	11.11	
08 16 13 00-0054	LF		Fiberglass Reinforced Polyester (FRP) Astragal With Seal (Chem-Pruf) .....	14.28	
08 16 13 00-0055	LF		1/2" Fiberglass Reinforced Polyester (FRP) Grooved Saddle Threshold (Chem-Pruf).....	30.14	
08 16 13 00-0056	LF		Fiberglass Reinforced Polyester (FRP) Door Sweep (Chem-Pruf) .....	33.32	
08 16 13 00-0057	LF		2-1/4" Fiberglass Reinforced Polyester (FRP) Center Door Mullion (Chem-Pruf).....	65.05	
08 16 13 00-0058			<b>Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door)</b> (08 16 13 00-0001)		
08 16 13 00-0059			<b>Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door)</b> (08 16 13 00-0058) Note: White, tan, brown or gray finish. Includes factory hardware prep.		
08 16 13 00-0060			<b>Standard, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door)</b> (08 16 13 00-0059) Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0061			<b>6'-8" High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door)</b> (08 16 13 00-0060)		
08 16 13 00-0062	EA		3' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,187.14 148.34 330.19	66.62
08 16 13 00-0063	EA		3'-6" x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,217.65 148.34 330.19	69.40
08 16 13 00-0064	EA		4' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,324.74 148.34 330.19	74.95
08 16 13 00-0065			<b>7' High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door)</b> (08 16 13 00-0060)		
08 16 13 00-0066	EA		3' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,187.14 148.34 330.19	66.62
08 16 13 00-0067	EA		3'-6" x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,313.63 148.34 330.19	69.40
08 16 13 00-0068	EA		4' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,324.74 148.34 330.19	74.95

**08 Openings****08 10 Doors and Frames****08 16 Composite Doors**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 16 13 00-0069		Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0059)</small> Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0070		45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0069)</small>		
08 16 13 00-0071		6'-8" High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0070)</small>		
08 16 13 00-0072	EA	3' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) .....	3,626.92	66.62
		For Custom Color Finish, Add	148.34	
		For Stainless Steel Continuous Hinge, Add	330.19	
08 16 13 00-0073	EA	3'-6" x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) .....	3,701.58	69.40
		For Custom Color Finish, Add	148.34	
		For Stainless Steel Continuous Hinge, Add	330.19	
08 16 13 00-0074	EA	4' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) .....	3,877.78	74.95
		For Custom Color Finish, Add	148.34	
		For Stainless Steel Continuous Hinge, Add	330.19	
08 16 13 00-0075		7' High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0070)</small>		
08 16 13 00-0076	EA	3' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) .....	3,626.92	66.62
		For Custom Color Finish, Add	148.34	
		For Stainless Steel Continuous Hinge, Add	330.19	
08 16 13 00-0077	EA	3'-6" x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) .....	3,728.45	69.40
		For Custom Color Finish, Add	148.34	
		For Stainless Steel Continuous Hinge, Add	330.19	
08 16 13 00-0078	EA	4' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) .....	3,960.33	74.95
		For Custom Color Finish, Add	148.34	
		For Stainless Steel Continuous Hinge, Add	330.19	
08 16 13 00-0079		60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0069)</small>		
08 16 13 00-0080		6'-8" High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0079)</small>		
08 16 13 00-0081	EA	3' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) .....	3,626.92	66.62
		For Custom Color Finish, Add	148.34	
		For Stainless Steel Continuous Hinge, Add	330.19	
08 16 13 00-0082	EA	3'-6" x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) .....	3,701.58	69.40
		For Custom Color Finish, Add	148.34	
		For Stainless Steel Continuous Hinge, Add	330.19	
08 16 13 00-0083	EA	4' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) .....	3,877.78	74.95
		For Custom Color Finish, Add	148.34	
		For Stainless Steel Continuous Hinge, Add	330.19	
08 16 13 00-0084		7' High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0079)</small>		
08 16 13 00-0085	EA	3' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) .....	3,626.92	66.62
		For Custom Color Finish, Add	148.34	
		For Stainless Steel Continuous Hinge, Add	330.19	
08 16 13 00-0086	EA	3'-6" x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) .....	3,728.45	69.40
		For Custom Color Finish, Add	148.34	
		For Stainless Steel Continuous Hinge, Add	330.19	
08 16 13 00-0087	EA	4' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) .....	3,960.33	74.95
		For Custom Color Finish, Add	148.34	
		For Stainless Steel Continuous Hinge, Add	330.19	
08 16 13 00-0088		90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0069)</small>		
08 16 13 00-0089		6'-8" High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0088)</small>		
08 16 13 00-0090	EA	3' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) .....	3,626.92	66.62
		For Custom Color Finish, Add	148.34	
		For Stainless Steel Continuous Hinge, Add	330.19	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 16 13 00-0091	EA			3'-6" x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	3,701.58 148.34 330.19	69.40
08 16 13 00-0092	EA			4' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	3,877.78 148.34 330.19	74.95
<b>08 16 13 00-0093 7' High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0088)</b>						
08 16 13 00-0094	EA			3' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	3,626.92 148.34 330.19	66.62
08 16 13 00-0095	EA			3'-6" x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	3,728.45 148.34 330.19	69.40
08 16 13 00-0096	EA			4' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	3,960.33 148.34 330.19	74.95
08 16 13 00-0097				<b>Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0099)</b> Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
<b>08 16 13 00-0098 6'-8" High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0097)</b>						
08 16 13 00-0099	EA			3' x 6'-8", Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,475.10 148.34 330.19	66.62
<b>08 16 13 00-0100 7' High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0097)</b>						
08 16 13 00-0101	EA			3' x 7', Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,475.10 148.34 330.19	66.62
<b>08 16 13 00-0102 Accessories For Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors (Skule Door) (08 16 13 00-0098)</b>						
08 16 13 00-0103	SI			1/4" Tempered, Factory Installed Vision Glass (Skule Door) .....	0.91	
08 16 13 00-0104	SI			1/4" Laminated, Factory Installed Vision Glass (Skule Door).....	0.93	
08 16 13 00-0105	SI			1/4" Wire, Factory Installed Vision Glass (Skule Door).....	0.99	
08 16 13 00-0106	SI			1/2" Insulated, Factory Installed Vision Glass (Skule Door).....	1.41	
08 16 13 00-0107	SI			Factory Installed Molded Louver (Skule Door).....	0.56	
08 16 13 00-0108	SI			Factory Installed Molded Louver With Insect Screen (Skule Door).....	0.89	
08 16 13 00-0109	LF			Weather Strip (Skule Door).....	7.68	
08 16 13 00-0110	LF			Fiberglass Reinforced Polyester (FRP) Astragal With Seal (Skule Door) .....	9.60	
08 16 13 00-0111	LF			1/2" Fiberglass Reinforced Polyester (FRP) Grooved Saddle Threshold (Skule Door).....	30.72	
08 16 13 00-0112	LF			Fiberglass Reinforced Polyester (FRP) Door Sweep (Skule Door).....	109.42	
08 16 13 00-0113	LF			2-1/4" Fiberglass Reinforced Polyester (FRP) Center Door Mullion (Skule Door) .....	42.23	
<b>08 16 13 00-0114 Galvanized Insulated Poly Core Composite Doors (08 16 13)</b>						
08 16 13 00-0115	EA			3'-0" x 7'-0" x 1-3/4" Thick, Flush, 18 Gauge, Galvanized, Insulated Poly Core Composite Door (Curries 707N) .....	1,111.22	66.62
<b>08 17 Integrated Door Opening Assemblies (08 10)</b>						
<b>08 17 23 Integrated Metal Door Opening Assemblies (08 17)</b>						
<b>08 17 23 00-0001 Pre-Hung Interior Door Units (08 17 23)</b>						
Note: Includes door, frame, and trim, all mounting hardware (standard duty ball bearing hinges). Excludes lockset. See CSI section 08 70 00 00-0000 for finish hardware.						
<b>08 17 23 00-0002 Hollow Core Doors, 1-3/8" Thick (08 17 23 00-0001)</b>						
<b>08 17 23 00-0003 Birch Faced (08 17 23 00-0002)</b>						
08 17 23 00-0004	EA			2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door ..... <i>For 8' Door Height, Add</i>	469.04 79.26	69.40
08 17 23 00-0005	EA			2'-6" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door ..... <i>For 8' Door Height, Add</i>	489.32 84.12	69.40
08 17 23 00-0006	EA			2'-8" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door ..... <i>For 8' Door Height, Add</i>	515.19 89.00	72.18
08 17 23 00-0007	EA			3' x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	526.78 90.45	74.95
08 17 23 00-0008	EA			3'-4" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door ..... <i>For 8' Door Height, Add</i>	563.58 99.28	74.95
08 17 23 00-0009	EA			3'-6" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door ..... <i>For 8' Door Height, Add</i>	595.62 105.64	77.73

**08 Openings****08 10 Doors and Frames****08 17 Integrated Door Opening Assemblies**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 17 23 00-0010	EA		Pair 2' x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door ..... <i>For 8' Door Height, Add</i>	888.09 158.51	113.82
08 17 23 00-0011	EA		Pair 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door ..... <i>For 8' Door Height, Add</i>	945.37 168.26	122.15
08 17 23 00-0012	EA		Pair 3' x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door ..... <i>For 8' Door Height, Add</i>	1,014.70 180.90	130.47
<b>08 17 23 00-0013</b>			<b>Lauan Faced</b> <small>(08 17 23 00-0002)</small>		
08 17 23 00-0014	EA		2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door ..... <i>For 8' Door Height, Add</i>	425.83 68.89	69.40
08 17 23 00-0015	EA		2'-6" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door ..... <i>For 8' Door Height, Add</i>	445.30 73.56	69.40
08 17 23 00-0016	EA		2'-8" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door ..... <i>For 8' Door Height, Add</i>	467.26 77.50	72.18
08 17 23 00-0017	EA		3' x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door ..... <i>For 8' Door Height, Add</i>	484.41 80.28	74.95
08 17 23 00-0018	EA		3'-4" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door ..... <i>For 8' Door Height, Add</i>	516.40 87.96	74.95
08 17 23 00-0019	EA		3'-6" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door ..... <i>For 8' Door Height, Add</i>	545.37 93.58	77.73
08 17 23 00-0020	EA		Pair 2' x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door ..... <i>For 8' Door Height, Add</i>	801.72 137.78	113.82
08 17 23 00-0021	EA		Pair 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door ..... <i>For 8' Door Height, Add</i>	857.21 147.10	122.15
08 17 23 00-0022	EA		Pair 3' x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door ..... <i>For 8' Door Height, Add</i>	930.05 160.58	130.47
<b>08 17 23 00-0023</b>			<b>Tempered Hardboard Faced</b> <small>(08 17 23 00-0002)</small>		
08 17 23 00-0024	EA		2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door ..... <i>For 8' Door Height, Add</i>	363.81 54.00	69.40
08 17 23 00-0025	EA		2'-6" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door ..... <i>For 8' Door Height, Add</i>	380.22 57.94	69.40
08 17 23 00-0026	EA		2'-8" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door ..... <i>For 8' Door Height, Add</i>	393.56 59.81	72.18
08 17 23 00-0027	EA		3' x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door ..... <i>For 8' Door Height, Add</i>	414.68 63.55	74.95
08 17 23 00-0028	EA		3'-4" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door ..... <i>For 8' Door Height, Add</i>	443.79 70.53	74.95
08 17 23 00-0029	EA		3'-6" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door ..... <i>For 8' Door Height, Add</i>	468.17 75.05	77.73
08 17 23 00-0030	EA		Pair 2' x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door ..... <i>For 8' Door Height, Add</i>	677.66 108.00	113.82
08 17 23 00-0031	EA		Pair 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door ..... <i>For 8' Door Height, Add</i>	727.11 115.88	122.15
08 17 23 00-0032	EA		Pair 3' x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door ..... <i>For 8' Door Height, Add</i>	790.49 127.09	130.47
<b>08 17 23 00-0033</b>			<b>Solid Core Doors, 1-3/8" Thick</b> <small>(08 17 23 00-0001)</small>		
<b>08 17 23 00-0034</b>			<b>Birch Faced</b> <small>(08 17 23 00-0033)</small>		
08 17 23 00-0035	EA		2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door ..... <i>For 8' Door Height, Add</i>	625.06 116.70	69.40
08 17 23 00-0036	EA		2'-6" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door ..... <i>For 8' Door Height, Add</i>	650.64 122.84	69.40
08 17 23 00-0037	EA		2'-8" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door ..... <i>For 8' Door Height, Add</i>	681.71 128.97	72.18
08 17 23 00-0038	EA		3' x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door ..... <i>For 8' Door Height, Add</i>	718.39 136.44	74.95
08 17 23 00-0039	EA		3'-4" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door ..... <i>For 8' Door Height, Add</i>	780.81 151.42	74.95
08 17 23 00-0040	EA		3'-6" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door ..... <i>For 8' Door Height, Add</i>	841.52 164.65	77.73
08 17 23 00-0041	EA		Pair 2' x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door ..... <i>For 8' Door Height, Add</i>	1,200.17 233.41	113.82
08 17 23 00-0042	EA		Pair 2'-6" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door ..... <i>For 8' Door Height, Add</i>	1,267.96 245.68	122.15
08 17 23 00-0043	EA		Pair 3' x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door ..... <i>For 8' Door Height, Add</i>	1,397.91 272.88	130.47
<b>08 17 23 00-0044</b>			<b>Lauan Faced</b> <small>(08 17 23 00-0033)</small>		
08 17 23 00-0045	EA		2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door ..... <i>For 8' Door Height, Add</i>	559.80 101.04	69.40
08 17 23 00-0046	EA		2'-6" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door ..... <i>For 8' Door Height, Add</i>	582.95 106.60	69.40
08 17 23 00-0047	EA		2'-8" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door ..... <i>For 8' Door Height, Add</i>	611.61 112.14	72.18
08 17 23 00-0048	EA		3' x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door ..... <i>For 8' Door Height, Add</i>	640.52 117.75	74.95
08 17 23 00-0049	EA		3'-4" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door ..... <i>For 8' Door Height, Add</i>	694.48 130.70	74.95
08 17 23 00-0050	EA		3'-6" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door ..... <i>For 8' Door Height, Add</i>	734.89 139.06	77.73
08 17 23 00-0051	EA		Pair 2' x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door ..... <i>For 8' Door Height, Add</i>	1,069.62 202.08	113.82



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST				
08 17 23 00-0052	EA		Pair 2'-6" x 7' x 1-3/8" Prehung Solid Core, Luan Faced Door..... <i>For 8' Door Height, Add</i>	1,132.60 213.20	122.15				
08 17 23 00-0053	EA		Pair 3' x 7' x 1-3/8" Prehung Solid Core, Luan Faced Door..... <i>For 8' Door Height, Add</i>	1,242.18 235.50	130.47				
<b>08 17 23 00-0054</b>			<b>Tempered Hardboard Faced</b> <small>(08 17 23 00-0033)</small>						
08 17 23 00-0055	EA		2'-0" - 2'-4" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	501.67 87.09	69.40				
08 17 23 00-0056	EA		2'-6" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	522.68 92.13	69.40				
08 17 23 00-0057	EA		2'-8" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	549.31 97.19	72.18				
08 17 23 00-0058	EA		3' x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	562.65 99.06	74.95				
08 17 23 00-0059	EA		3'-4" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	608.17 109.98	74.95				
08 17 23 00-0060	EA		3'-6" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	643.08 117.03	77.73				
08 17 23 00-0061	PR		Pair 2' x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	953.37 174.18	113.82				
08 17 23 00-0062	PR		Pair 2'-6" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	1,012.03 184.26	122.15				
08 17 23 00-0063	PR		Pair 3' x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	1,086.43 198.12	130.47				
<b>08 17 23 00-0064</b>			<b>Hollow Core Doors, 1-3/4" Thick</b> <small>(08 17 23 00-0001)</small>						
<b>08 17 23 00-0065</b>			<b>Birch Faced</b> <small>(08 17 23 00-0064)</small>						
08 17 23 00-0066	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	551.54 99.06	69.40				
08 17 23 00-0067	EA		2'-6" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	567.12 102.80	69.40				
08 17 23 00-0068	EA		2'-8" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	578.43 104.18	72.18				
08 17 23 00-0069	EA		3' x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	609.38 110.28	74.95				
08 17 23 00-0070	EA		3'-4" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	676.78 126.45	74.95				
08 17 23 00-0071	EA		3'-6" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	761.08 145.35	77.73				
08 17 23 00-0072	EA		Pair 2' x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	1,053.17 198.12	113.82				
08 17 23 00-0073	EA		Pair 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	1,100.92 205.59	122.15				
08 17 23 00-0074	EA		Pair 3' x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	1,179.93 220.55	130.47				
<b>08 17 23 00-0075</b>			<b>Luan Faced</b> <small>(08 17 23 00-0064)</small>						
08 17 23 00-0076	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Hollow Core, Luan Faced Door..... <i>For 8' Door Height, Add</i>	503.43 87.51	69.40				
08 17 23 00-0077	EA		2'-6" x 7' x 1-3/4" Prehung Hollow Core, Luan Faced Door..... <i>For 8' Door Height, Add</i>	528.56 93.54	69.40				
08 17 23 00-0078	EA		2'-8" x 7' x 1-3/4" Prehung Hollow Core, Luan Faced Door..... <i>For 8' Door Height, Add</i>	554.50 98.44	72.18				
08 17 23 00-0079	EA		3' x 7' x 1-3/4" Prehung Hollow Core, Luan Faced Door..... <i>For 8' Door Height, Add</i>	568.12 100.37	74.95				
08 17 23 00-0080	EA		3'-4" x 7' x 1-3/4" Prehung Hollow Core, Luan Faced Door..... <i>For 8' Door Height, Add</i>	614.10 111.41	74.95				
08 17 23 00-0081	EA		3'-6" x 7' x 1-3/4" Prehung Hollow Core, Luan Faced Door..... <i>For 8' Door Height, Add</i>	649.36 118.54	77.73				
08 17 23 00-0082	EA		Pair 2' x 7' x 1-3/4" Prehung Hollow Core, Luan Faced Door..... <i>For 8' Door Height, Add</i>	956.92 175.03	113.82				
08 17 23 00-0083	EA		Pair 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Luan Faced Door..... <i>For 8' Door Height, Add</i>	1,023.81 187.09	122.15				
08 17 23 00-0084	EA		Pair 3' x 7' x 1-3/4" Prehung Hollow Core, Luan Faced Door..... <i>For 8' Door Height, Add</i>	1,097.41 200.75	130.47				
<b>08 17 23 00-0085</b>			<b>Tempered Hardboard Faced</b> <small>(08 17 23 00-0064)</small>						
08 17 23 00-0086	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	419.14 67.28	69.40				
08 17 23 00-0087	EA		2'-6" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	426.95 69.16	69.40				
08 17 23 00-0088	EA		2'-8" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	448.08 72.90	72.18				
08 17 23 00-0089	EA		3' x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	469.21 76.63	74.95				
08 17 23 00-0090	EA		3'-4" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	487.00 80.90	74.95				
08 17 23 00-0091	EA		3'-6" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	514.15 86.09	77.73				
08 17 23 00-0092	EA		Pair 2' x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	788.30 134.56	113.82				
08 17 23 00-0093	EA		Pair 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	820.58 138.31	122.15				

**08 Openings****08 10 Doors and Frames****08 17 Integrated Door Opening Assemblies**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 17 23 00-0094	EA		Pair 3' x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	899.60 153.27	130.47
<b>08 17 23 00-0095</b>			<b>Solid Core Doors, 1-3/4" Thick</b> (08 17 23 00-0001)		
<b>08 17 23 00-0096</b>			<b>Birch Faced</b> (08 17 23 00-0095)		
08 17 23 00-0097	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door ..... <i>For 8' Door Height, Add</i>	699.53 134.58	69.40
08 17 23 00-0098	EA		2'-6" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door ..... <i>For 8' Door Height, Add</i>	722.87 140.18	69.40
08 17 23 00-0099	EA		2'-8" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door ..... <i>For 8' Door Height, Add</i>	736.23 142.05	72.18
08 17 23 00-0100	EA		3' x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door ..... <i>For 8' Door Height, Add</i>	765.13 147.66	74.95
08 17 23 00-0101	EA		3'-4" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door ..... <i>For 8' Door Height, Add</i>	832.81 163.90	74.95
08 17 23 00-0102	EA		3'-6" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door ..... <i>For 8' Door Height, Add</i>	906.70 180.30	77.73
08 17 23 00-0103	EA		Pair 2' x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door ..... <i>For 8' Door Height, Add</i>	1,349.09 269.15	113.82
08 17 23 00-0104	EA		Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door ..... <i>For 8' Door Height, Add</i>	1,412.42 280.35	122.15
08 17 23 00-0105	EA		Pair 3' x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door ..... <i>For 8' Door Height, Add</i>	1,491.41 295.31	130.47
<b>08 17 23 00-0106</b>			<b>Lauan Faced</b> (08 17 23 00-0095)		
08 17 23 00-0107	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door ..... <i>For 8' Door Height, Add</i>	711.84 137.53	69.40
08 17 23 00-0108	EA		2'-6" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door ..... <i>For 8' Door Height, Add</i>	713.51 137.93	69.40
08 17 23 00-0109	EA		2'-8" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door ..... <i>For 8' Door Height, Add</i>	735.57 141.89	72.18
08 17 23 00-0110	EA		3' x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door ..... <i>For 8' Door Height, Add</i>	753.08 144.76	74.95
08 17 23 00-0111	EA		3'-4" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door ..... <i>For 8' Door Height, Add</i>	807.59 157.85	74.95
08 17 23 00-0112	EA		3'-6" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door ..... <i>For 8' Door Height, Add</i>	855.22 167.94	77.73
08 17 23 00-0113	EA		Pair 2' x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door ..... <i>For 8' Door Height, Add</i>	1,373.76 275.07	113.82
08 17 23 00-0114	EA		Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door ..... <i>For 8' Door Height, Add</i>	1,393.70 275.86	122.15
08 17 23 00-0115	EA		Pair 3' x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door ..... <i>For 8' Door Height, Add</i>	1,467.31 289.52	130.47
<b>08 17 23 00-0116</b>			<b>Tempered Hardboard Faced</b> (08 17 23 00-0095)		
08 17 23 00-0117	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door ..... <i>For 8' Door Height, Add</i>	582.70 106.54	69.40
08 17 23 00-0118	EA		2'-6" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door ..... <i>For 8' Door Height, Add</i>	590.47 108.40	69.40
08 17 23 00-0119	EA		2'-8" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door ..... <i>For 8' Door Height, Add</i>	603.83 110.28	72.18
08 17 23 00-0120	EA		3' x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door ..... <i>For 8' Door Height, Add</i>	624.97 114.01	74.95
08 17 23 00-0121	EA		3'-4" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door ..... <i>For 8' Door Height, Add</i>	659.82 122.38	74.95
08 17 23 00-0122	EA		3'-6" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door ..... <i>For 8' Door Height, Add</i>	698.01 130.21	77.73
08 17 23 00-0123	EA		Pair 2' x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door ..... <i>For 8' Door Height, Add</i>	1,115.42 213.07	113.82
08 17 23 00-0124	EA		Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door ..... <i>For 8' Door Height, Add</i>	1,147.63 216.80	122.15
08 17 23 00-0125	EA		Pair 3' x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door ..... <i>For 8' Door Height, Add</i>	1,211.07 228.03	130.47
<b>08 17 23 00-0126</b>			<b>Oak Or Maple Faced</b> (08 17 23 00-0095)		
08 17 23 00-0127	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door ..... <i>For 8' Door Height, Add</i>	843.83 169.21	69.40
08 17 23 00-0128	EA		2'-6" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door ..... <i>For 8' Door Height, Add</i>	848.14 170.24	69.40
08 17 23 00-0129	EA		2'-8" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door ..... <i>For 8' Door Height, Add</i>	890.14 178.99	72.18
08 17 23 00-0130	EA		3' x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door ..... <i>For 8' Door Height, Add</i>	905.21 181.27	74.95
08 17 23 00-0131	EA		3'-4" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door ..... <i>For 8' Door Height, Add</i>	987.09 200.92	74.95
08 17 23 00-0132	EA		3'-6" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door ..... <i>For 8' Door Height, Add</i>	1,089.65 224.21	77.73
08 17 23 00-0133	EA		Pair 2' x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door ..... <i>For 8' Door Height, Add</i>	1,637.73 338.43	113.82
08 17 23 00-0134	EA		Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door ..... <i>For 8' Door Height, Add</i>	1,663.00 340.49	122.15
08 17 23 00-0135	EA		Pair 3' x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door ..... <i>For 8' Door Height, Add</i>	1,771.57 362.55	130.47

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>08 17 23 00-0136</b>	<b>Walnut Faced</b> <small>(08 17 23 00-0095)</small>		
08 17 23 00-0137	EA 2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door..... <i>For 8' Door Height, Add</i>	1,064.03 222.06	69.40
08 17 23 00-0138	EA 2'-6" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door..... <i>For 8' Door Height, Add</i>	1,102.49 231.29	69.40
08 17 23 00-0139	EA 2'-8" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door..... <i>For 8' Door Height, Add</i>	1,120.94 234.38	72.18
08 17 23 00-0140	EA 3' x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door..... <i>For 8' Door Height, Add</i>	1,165.02 243.63	74.95
08 17 23 00-0141	EA 3'-4" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door..... <i>For 8' Door Height, Add</i>	1,276.69 270.43	74.95
08 17 23 00-0142	EA 3'-6" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door..... <i>For 8' Door Height, Add</i>	1,395.01 297.49	77.73
08 17 23 00-0143	EA Pair 2' x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door..... <i>For 8' Door Height, Add</i>	2,078.09 444.11	113.82
08 17 23 00-0144	EA Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door..... <i>For 8' Door Height, Add</i>	2,171.67 462.57	122.15
08 17 23 00-0145	EA Pair 3' x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door..... <i>For 8' Door Height, Add</i>	2,291.19 487.26	130.47

### 08 18 Glass Doors (08 10)

#### 08 18 16 Sliding Glass Doors (08 18)

<b>08 18 16 00-0001</b>	<b>Sliding Aluminum-Framed Glass Doors</b> <small>(08 18 16)</small>		
<b>08 18 16 00-0002</b>	<b>Residential Sliding Aluminum-Framed Glass Doors</b> <small>(08 18 16 00-0001)</small>		
<b>08 18 16 00-0003</b>	<b>5/8" Insulating Glass, Sliding Aluminum-Framed Glass Doors</b> <small>(08 18 16 00-0002)</small>		
08 18 16 00-0004	SF Up To 6' Wide Sliding Glass Door 5/8" Insulated Glass With Frame, Trim, Hardware..... <i>For Custom Quality, Add</i> <i>For Tempered Glass, Add</i> <i>For Anodized Or Colored Aluminum Frames, Add</i>	30.16 4.24 1.42 3.05	4.99
08 18 16 00-0005	SF >6' Up To 12' Wide Sliding Glass Door 5/8" Insulated Glass With Frame, Trim, Hardware..... <i>For Custom Quality, Add</i> <i>For Tempered Glass, Add</i> <i>For Anodized Or Colored Aluminum Frames, Add</i>	23.90 4.05 1.42 2.91	3.11

#### 08 18 16 00-0006 1" Insulating Glass, Sliding Aluminum-Framed Glass Doors (08 18 16 00-0002)

08 18 16 00-0007	SF Up To 6' Wide Sliding Glass Door 1" Insulated Glass With Frame, Trim, Hardware..... <i>For Custom Quality, Add</i> <i>For Tempered Glass, Add</i> <i>For Anodized Or Colored Aluminum Frames, Add</i>	33.19 4.99 1.42 3.59	4.99
08 18 16 00-0008	SF >6' Up To 12' Wide Sliding Glass Door 1" Insulated Glass With Frame, Trim, Hardware..... <i>For Custom Quality, Add</i> <i>For Tempered Glass, Add</i> <i>For Anodized Or Colored Aluminum Frames, Add</i>	26.89 4.80 1.42 3.45	3.11

#### 08 18 16 00-0010 Sliding Wood-Framed Glass Doors (08 18 16)

<b>08 18 16 00-0011</b>	<b>Residential Wood Sliding Doors With 5/8" Glass</b> <small>(08 18 16 00-0010)</small>		
08 18 16 00-0012	EA 6' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Frame, Trim, Hardware.....	2,557.82	149.91
08 18 16 00-0013	EA 8' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Frame, Trim, Hardware.....	3,122.46	183.22
08 18 16 00-0014	EA 9' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Frame, Trim, Hardware.....	3,608.48	210.98
08 18 16 00-0015	EA 6' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Grille, Frame, Trim, Hardware.....	2,820.55	149.91
08 18 16 00-0016	EA 8' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Grille, Frame, Trim, Hardware.....	3,461.79	183.22
08 18 16 00-0017	EA 9' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Grille, Frame, Trim, Hardware.....	4,028.42	210.98

### 08 30 Specialty Doors and Frames (08)

Note: Includes caulk, sealant and mounting anchors.

#### 08 31 Access Doors and Panels (08 30)

See CSI section 07 72 33 00-0000 for roof hatches, 23 33 33 00-0000 for duct-mounted access doors.

##### 08 31 13 Access Doors and Frames (08 31)

<b>08 31 13 00-0001</b>	<b>Stainless Steel Access Doors</b> <small>(08 31 13)</small>		
<b>08 31 13 00-0002</b>	<b>Fire Rated Stainless Steel Access Doors</b> <small>(08 31 13 00-0001)</small>		
08 31 13 00-0003	EA 12" x 12" Fire Rated Stainless Steel Access Door With Cam Latch.....	390.42	55.72
08 31 13 00-0004	EA 12" x 18" Fire Rated Stainless Steel Access Door With Cam Latch.....	453.75	59.36
08 31 13 00-0005	EA 18" x 18" Fire Rated Stainless Steel Access Door With Cam Latch.....	529.09	62.79
08 31 13 00-0006	EA 24" x 18" Fire Rated Stainless Steel Access Door With Cam Latch.....	610.01	65.97
08 31 13 00-0007	EA 24" x 24" Fire Rated Stainless Steel Access Door With Cam Latch.....	623.90	66.31
08 31 13 00-0008	EA 24" x 36" Fire Rated Stainless Steel Access Door With Cam Latch.....	806.85	68.37
<b>08 31 13 00-0009</b>	<b>Stainless Steel Access Doors</b> <small>(08 31 13 00-0001)</small>		
08 31 13 00-0010	EA 8" x 8" Stainless Steel Access Door With Cam Latch.....	160.19	42.73
08 31 13 00-0011	EA 12" x 12" Stainless Steel Access Door With Cam Latch.....	190.58	55.72
08 31 13 00-0012	EA 12" x 18" Stainless Steel Access Door With Cam Latch.....	268.71	59.36

**08 Openings****08 30 Specialty Doors and Frames****08 31 Access Doors and Panels**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 31 13 00-0013	EA	18" x 18" Stainless Steel Access Door With Cam Latch .....	288.30	62.79
08 31 13 00-0014	EA	24" x 18" Stainless Steel Access Door With Cam Latch .....	333.77	65.97
08 31 13 00-0015	EA	24" x 24" Stainless Steel Access Door With Cam Latch .....	379.22	66.31

**08 31 13 00-0016 Steel Access Doors** (08 31 13)

Note: Includes paintable powder coated finish.

**08 31 13 00-0017 Insulated Fire Rated Steel Access Doors** (08 31 13 00-0016)

08 31 13 00-0018	EA	12" x 12" Insulated Fire Rated Steel Access Door With Cam Latch.....	266.48	56.06
08 31 13 00-0019	EA	12" x 18" Insulated Fire Rated Steel Access Door With Cam Latch.....	330.08	59.36
08 31 13 00-0020	EA	18" x 18" Insulated Fire Rated Steel Access Door With Cam Latch.....	329.81	62.79
08 31 13 00-0021	EA	24" x 18" Insulated Fire Rated Steel Access Door With Cam Latch.....	391.85	66.31
08 31 13 00-0022	EA	24" x 24" Insulated Fire Rated Steel Access Door With Cam Latch.....	409.64	66.31
08 31 13 00-0023	EA	24" x 36" Insulated Fire Rated Steel Access Door With Cam Latch.....	539.89	68.37
08 31 13 00-0024	EA	24" x 48" Insulated Fire Rated Steel Access Door With Cam Latch.....	622.67	71.22
08 31 13 00-0025	EA	36" x 36" Insulated Fire Rated Steel Access Door With Cam Latch.....	769.90	71.22
08 31 13 00-0026	EA	48" x 48" Insulated Fire Rated Steel Access Door With Cam Latch.....	988.06	85.46

**08 31 13 00-0027 Steel Access Doors** (08 31 13 00-0016)

08 31 13 00-0028	EA	8" x 8" Steel Access Door With Cam Latch.....	136.21	42.95
08 31 13 00-0029	EA	12" x 12" Steel Access Door With Cam Latch.....	145.92	56.06
08 31 13 00-0030	EA	12" x 18" Steel Access Door With Cam Latch.....	168.03	59.36
08 31 13 00-0031	EA	18" x 18" Steel Access Door With Cam Latch.....	172.70	62.79
08 31 13 00-0032	EA	24" x 18" Steel Access Door With Cam Latch.....	205.10	66.31
08 31 13 00-0033	EA	24" x 24" Steel Access Door With Cam Latch.....	210.01	66.31
08 31 13 00-0034	EA	24" x 36" Steel Access Door With Cam Latch.....	272.10	68.37
08 31 13 00-0035	EA	36" x 36" Steel Access Door With Cam Latch.....	359.66	71.22

**08 31 13 00-0036 Steel Recessed Access Doors For Drywall Application** (08 31 13)

Note: Includes paintable powder coated finish.

08 31 13 00-0037	EA	8" x 8" Recessed Steel Access Door With Cam Latch.....	195.14	42.73
		<i>For Recessed Doors In Acoustical Tile, Add</i>	17.73	
08 31 13 00-0038	EA	12" x 12" Recessed Steel Access Door With Cam Latch.....	204.21	45.80
		<i>For Recessed Doors In Acoustical Tile, Add</i>	19.73	
08 31 13 00-0039	EA	12" x 18" Recessed Steel Access Door With Cam Latch.....	219.49	48.42
		<i>For Recessed Doors In Acoustical Tile, Add</i>	20.37	
08 31 13 00-0040	EA	18" x 18" Recessed Steel Access Door With Cam Latch.....	257.68	51.27
		<i>For Recessed Doors In Acoustical Tile, Add</i>	17.75	
08 31 13 00-0041	EA	24" x 18" Recessed Steel Access Door With Cam Latch.....	271.12	54.12
		<i>For Recessed Doors In Acoustical Tile, Add</i>	18.88	
08 31 13 00-0042	EA	24" x 24" Recessed Steel Access Door With Cam Latch.....	297.00	54.12
		<i>For Recessed Doors In Acoustical Tile, Add</i>	15.00	
08 31 13 00-0043	EA	24" x 36" Recessed Steel Access Door With Cam Latch.....	369.92	68.37
		<i>For Recessed Doors In Acoustical Tile, Add</i>	19.71	
08 31 13 00-0044	EA	36" x 36" Recessed Steel Access Door With Cam Latch.....	529.24	71.22
		<i>For Recessed Doors In Acoustical Tile, Add</i>	-1.05	

**08 31 13 00-0045 Steel Crawl Space Doors And Frames** (08 31 13)

Note: Includes paintable powder coated finish.

08 31 13 00-0046	EA	24" x 24" Steel Crawl Space Door With Cam Latch .....	224.29	72.12
08 31 13 00-0047	EA	30" x 24" Steel Crawl Space Door With Cam Latch .....	315.50	87.40
08 31 13 00-0048	EA	30" x 30" Steel Crawl Space Door With Cam Latch .....	353.67	94.91

**08 33 Coiling Doors and Grilles** (08 30)**08 33 13 Coiling Counter Doors** (08 33)**08 33 13 00-0001 Overhead Rolling Counter Doors** (08 33 13)**08 33 13 00-0002 Galvanized Steel Overhead Rolling Counter Doors** (08 33 13 00-0001)

Note: Includes necessary anchors, track and hardware. Includes galvanized steel primed with choice of baked-on polyester top coat finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0003	EA	4' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650) .....	6,218.53	406.70
		<i>For Motor Operator (With Safety Reverse), Add</i>	751.67	
08 33 13 00-0004	EA	6' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650) .....	6,533.79	406.70
		<i>For Motor Operator (With Safety Reverse), Add</i>	751.67	
08 33 13 00-0005	EA	8' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650) .....	7,057.94	432.12
		<i>For Motor Operator (With Safety Reverse), Add</i>	756.80	
08 33 13 00-0006	EA	10' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650) .....	7,569.80	508.37
		<i>For Motor Operator (With Safety Reverse), Add</i>	776.46	
08 33 13 00-0007	EA	4' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650) .....	7,637.20	406.70
		<i>For Motor Operator (With Safety Reverse), Add</i>	751.67	
08 33 13 00-0008	EA	6' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650) .....	7,986.61	451.84
		<i>For Motor Operator (With Safety Reverse), Add</i>	762.97	
08 33 13 00-0009	EA	8' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650) .....	8,189.44	469.94
		<i>For Motor Operator (With Safety Reverse), Add</i>	767.49	
08 33 13 00-0010	EA	10' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650) .....	8,679.54	508.37
		<i>For Motor Operator (With Safety Reverse), Add</i>	777.09	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>08 33 13 00-0011</b>	<b>Stainless Steel Overhead Rolling Counter Doors</b> (08 33 13 00-0001) Note: Includes necessary anchors, track and hardware. Includes No. 4 stainless steel finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0012	EA 4' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651) ..... For Motor Operator (With Safety Reverse), Add	7,006.68 751.67	406.70
08 33 13 00-0013	EA 6' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651) ..... For Motor Operator (With Safety Reverse), Add	7,873.64 751.67	406.70
08 33 13 00-0014	EA 8' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651) ..... For Motor Operator (With Safety Reverse), Add	8,082.54 756.80	432.12
08 33 13 00-0015	EA 10' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651) ..... For Motor Operator (With Safety Reverse), Add	9,855.44 776.46	508.37
08 33 13 00-0016	EA 4' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651) ..... For Motor Operator (With Safety Reverse), Add	8,425.35 751.67	406.70
08 33 13 00-0017	EA 6' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651) ..... For Motor Operator (With Safety Reverse), Add	8,695.95 762.97	451.84
08 33 13 00-0018	EA 8' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651) ..... For Motor Operator (With Safety Reverse), Add	8,898.77 767.49	469.94
08 33 13 00-0019	EA 10' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651) ..... For Motor Operator (With Safety Reverse), Add	11,359.25 777.09	508.37
<b>08 33 13 00-0020</b>	<b>Aluminum Overhead Rolling Counter Doors</b> (08 33 13 00-0001) Note: Includes necessary anchors, track and hardware. Includes clear anodized aluminum finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0021	EA 4' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) ..... For Motor Operator (With Safety Reverse), Add	6,849.05 751.67	406.70
08 33 13 00-0022	EA 6' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) ..... For Motor Operator (With Safety Reverse), Add	7,164.31 751.67	406.70
08 33 13 00-0023	EA 8' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) ..... For Motor Operator (With Safety Reverse), Add	8,003.72 756.80	432.12
08 33 13 00-0024	EA 10' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) ..... For Motor Operator (With Safety Reverse), Add	9,461.36 776.46	508.37
08 33 13 00-0025	EA 4' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) ..... For Motor Operator (With Safety Reverse), Add	8,267.72 751.67	406.70
08 33 13 00-0026	EA 6' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) ..... For Motor Operator (With Safety Reverse), Add	8,617.13 762.97	451.84
08 33 13 00-0027	EA 8' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) ..... For Motor Operator (With Safety Reverse), Add	8,859.36 767.49	469.94
08 33 13 00-0028	EA 10' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) ..... For Motor Operator (With Safety Reverse), Add	11,201.62 777.09	508.37
<b>08 33 13 00-0029</b>	<b>Galvanized Steel Overhead Rolling Counter Fire Doors</b> (08 33 13 00-0001) Note: Includes necessary anchors, track and hardware. Includes galvanized steel primed with choice of baked-on polyester top coat finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0030	EA 4' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) ..... For Motor Operator (With Safety Reverse), Add	8,110.09 751.67	406.70
08 33 13 00-0031	EA 6' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) ..... For Motor Operator (With Safety Reverse), Add	8,582.98 751.67	406.70
08 33 13 00-0032	EA 8' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) ..... For Motor Operator (With Safety Reverse), Add	9,264.76 756.80	432.12
08 33 13 00-0033	EA 10' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) ..... For Motor Operator (With Safety Reverse), Add	9,934.25 776.46	508.37
08 33 13 00-0034	EA 4' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) ..... For Motor Operator (With Safety Reverse), Add	9,055.87 751.67	406.70
08 33 13 00-0035	EA 6' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) ..... For Motor Operator (With Safety Reverse), Add	9,484.10 762.97	451.84
08 33 13 00-0036	EA 8' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) ..... For Motor Operator (With Safety Reverse), Add	9,844.55 767.49	469.94
08 33 13 00-0037	EA 10' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) ..... For Motor Operator (With Safety Reverse), Add	10,098.21 777.09	508.37
<b>08 33 13 00-0038</b>	<b>Stainless Steel Overhead Rolling Counter Fire Doors</b> (08 33 13 00-0001) Note: Includes necessary anchors, track and hardware. Includes No. 4 stainless steel finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0039	EA 4' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641) ..... For Motor Operator (With Safety Reverse), Add	9,213.50 751.67	406.70
08 33 13 00-0040	EA 6' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641) ..... For Motor Operator (With Safety Reverse), Add	10,474.54 751.67	406.70
08 33 13 00-0041	EA 8' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641) ..... For Motor Operator (With Safety Reverse), Add	10,683.43 756.80	432.12
08 33 13 00-0042	EA 10' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641) ..... For Motor Operator (With Safety Reverse), Add	13,086.85 776.46	508.37
08 33 13 00-0043	EA 4' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641) ..... For Motor Operator (With Safety Reverse), Add	10,001.65 751.67	406.70
08 33 13 00-0044	EA 6' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641) ..... For Motor Operator (With Safety Reverse), Add	10,351.07 762.97	451.84

**08 Openings**  
**08 30 Specialty Doors and Frames**  
**08 33 Coiling Doors and Grilles**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 33 13 00-0045	EA	8' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641).....	10,711.52	469.94
		<i>For Motor Operator (With Safety Reverse), Add</i>	767.49	
08 33 13 00-0046	EA	10' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641).....	13,250.81	508.37
		<i>For Motor Operator (With Safety Reverse), Add</i>	777.09	
<b>08 33 13 00-0047</b>		<b>Integral Frame And Sill, Overhead Rolling Counter Doors</b> <small>(08 33 13)</small>		
<b>08 33 13 00-0048</b>		<b>Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill</b> <small>(08 33 13 00-0047)</small>		
		Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish, aluminum slats are finished with clear anodized finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0049	EA	4' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	13,311.88	406.70
		<i>For Motor Operator (With Safety Reverse), Add</i>	751.67	
08 33 13 00-0050	EA	6' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	13,627.14	406.70
		<i>For Motor Operator (With Safety Reverse), Add</i>	751.67	
08 33 13 00-0051	EA	8' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	13,993.66	432.12
		<i>For Motor Operator (With Safety Reverse), Add</i>	756.80	
08 33 13 00-0052	EA	10' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	14,505.52	508.37
		<i>For Motor Operator (With Safety Reverse), Add</i>	776.46	
08 33 13 00-0053	EA	4' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	13,784.77	406.70
		<i>For Motor Operator (With Safety Reverse), Add</i>	751.67	
08 33 13 00-0054	EA	6' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	14,213.00	451.84
		<i>For Motor Operator (With Safety Reverse), Add</i>	762.97	
08 33 13 00-0055	EA	8' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	14,573.45	469.94
		<i>For Motor Operator (With Safety Reverse), Add</i>	767.49	
08 33 13 00-0056	EA	10' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	16,245.78	508.37
		<i>For Motor Operator (With Safety Reverse), Add</i>	777.09	
<b>08 33 13 00-0057</b>		<b>Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Frame and Stainless Steel Sill</b> <small>(08 33 13 00-0047)</small>		
		Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish, aluminum slats are finished with clear anodized finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0058	EA	4' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	11,735.58	406.70
		<i>For Motor Operator (With Safety Reverse), Add</i>	751.67	
08 33 13 00-0059	EA	6' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	12,050.84	406.70
		<i>For Motor Operator (With Safety Reverse), Add</i>	751.67	
08 33 13 00-0060	EA	8' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	12,417.36	432.12
		<i>For Motor Operator (With Safety Reverse), Add</i>	756.80	
08 33 13 00-0061	EA	10' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	12,929.22	508.37
		<i>For Motor Operator (With Safety Reverse), Add</i>	776.46	
08 33 13 00-0062	EA	4' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	13,154.25	406.70
		<i>For Motor Operator (With Safety Reverse), Add</i>	751.67	
08 33 13 00-0063	EA	6' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	13,582.48	451.84
		<i>For Motor Operator (With Safety Reverse), Add</i>	762.97	
08 33 13 00-0064	EA	8' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	14,100.56	469.94
		<i>For Motor Operator (With Safety Reverse), Add</i>	767.49	
08 33 13 00-0065	EA	10' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	14,511.85	508.37
		<i>For Motor Operator (With Safety Reverse), Add</i>	777.09	
<b>08 33 13 00-0066</b>		<b>Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill</b> <small>(08 33 13 00-0047)</small>		
		Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0067	EA	4' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657).....	18,356.04	406.70
		<i>For Motor Operator (With Safety Reverse), Add</i>	751.67	
08 33 13 00-0068	EA	6' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657).....	19,932.34	406.70
		<i>For Motor Operator (With Safety Reverse), Add</i>	751.67	
08 33 13 00-0069	EA	8' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657).....	23,136.20	432.12
		<i>For Motor Operator (With Safety Reverse), Add</i>	756.80	
08 33 13 00-0070	EA	10' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657).....	24,909.10	508.37
		<i>For Motor Operator (With Safety Reverse), Add</i>	776.46	

MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

08 33 13 00-0071	EA	4' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657) .....	20,720.49	
		<i>For Motor Operator (With Safety Reverse), Add</i>	751.67	406.70
08 33 13 00-0072	EA	6' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657) .....	22,409.76	
		<i>For Motor Operator (With Safety Reverse), Add</i>	762.97	451.84
08 33 13 00-0073	EA	8' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657) .....	24,819.40	
		<i>For Motor Operator (With Safety Reverse), Add</i>	767.49	469.94
08 33 13 00-0074	EA	10' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657) .....	28,068.03	
		<i>For Motor Operator (With Safety Reverse), Add</i>	777.09	508.37

**08 33 13 00-0075 Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Frame and Stainless Steel Sill** (08 33 13 00-0047)

Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0076	EA	4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658) .....	15,518.70	
		<i>For Motor Operator (With Safety Reverse), Add</i>	751.67	406.70
08 33 13 00-0077	EA	6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658) .....	15,833.96	
		<i>For Motor Operator (With Safety Reverse), Add</i>	751.67	406.70
08 33 13 00-0078	EA	8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658) .....	16,515.74	
		<i>For Motor Operator (With Safety Reverse), Add</i>	756.80	432.12
08 33 13 00-0079	EA	10' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658) .....	17,815.75	
		<i>For Motor Operator (With Safety Reverse), Add</i>	776.46	508.37
08 33 13 00-0080	EA	4' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658) .....	16,464.48	
		<i>For Motor Operator (With Safety Reverse), Add</i>	751.67	406.70
08 33 13 00-0081	EA	6' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658) .....	17,523.23	
		<i>For Motor Operator (With Safety Reverse), Add</i>	762.97	451.84
08 33 13 00-0082	EA	8' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658) .....	18,514.20	
		<i>For Motor Operator (With Safety Reverse), Add</i>	767.49	469.94
08 33 13 00-0083	EA	10' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658) .....	21,762.83	
		<i>For Motor Operator (With Safety Reverse), Add</i>	777.09	508.37

**08 33 13 00-0084 Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood** (08 33 13 00-0047)

Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0085	EA	4' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660) .....	22,296.79	
		<i>For Motor Operator (With Safety Reverse), Add</i>	751.67	406.70
08 33 13 00-0086	EA	6' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660) .....	23,084.94	
		<i>For Motor Operator (With Safety Reverse), Add</i>	751.67	406.70
08 33 13 00-0087	EA	8' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660) .....	26,288.80	
		<i>For Motor Operator (With Safety Reverse), Add</i>	756.80	432.12

**08 33 13 00-0088 Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood** (08 33 13 00-0047)

Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0089	EA	4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661) .....	16,779.74	
		<i>For Motor Operator (With Safety Reverse), Add</i>	751.67	406.70
08 33 13 00-0090	EA	6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661) .....	23,084.94	
		<i>For Motor Operator (With Safety Reverse), Add</i>	751.67	406.70
08 33 13 00-0091	EA	8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661) .....	26,288.80	
		<i>For Motor Operator (With Safety Reverse), Add</i>	756.80	432.12

**08 33 13 00-0092 Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood** (08 33 13 00-0047)

Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0093	EA	4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662) .....	14,572.92	
		<i>For Motor Operator (With Safety Reverse), Add</i>	751.67	406.70

**08 Openings****08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 33 13 00-0094	EA	6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662) .....	16,464.48	406.70
		<i>For Motor Operator (With Safety Reverse), Add</i>	751.67	
08 33 13 00-0095	EA	8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662) .....	17,619.15	432.12
		<i>For Motor Operator (With Safety Reverse), Add</i>	756.80	
08 33 13 00-0096	EA	10' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662) .....	19,392.05	508.37
		<i>For Motor Operator (With Safety Reverse), Add</i>	776.46	

**08 33 16 Coiling Counter Grilles (08 33)****08 33 16 00-0001 Galvanized Steel Overhead Coiling Counter Grilles (Width x Height) (08 33 16)**

08 33 16 00-0002	EA	4' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	1,988.49	177.93
		<i>For Lexan Lattice Pattern, Add</i>	222.02	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	95.49	
		<i>For Staggered Brick Pattern, Add</i>	170.01	
08 33 16 00-0003	EA	6' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	2,177.78	177.93
		<i>For Lexan Lattice Pattern, Add</i>	250.41	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	131.41	
		<i>For Staggered Brick Pattern, Add</i>	230.63	
08 33 16 00-0004	EA	8' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	2,538.30	237.21
		<i>For Lexan Lattice Pattern, Add</i>	279.07	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	167.34	
		<i>For Staggered Brick Pattern, Add</i>	291.26	
08 33 16 00-0005	EA	12' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	2,993.84	237.21
		<i>For Lexan Lattice Pattern, Add</i>	347.40	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	239.17	
		<i>For Staggered Brick Pattern, Add</i>	412.51	
08 33 16 00-0006	EA	16' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	4,079.04	355.86
		<i>For Lexan Lattice Pattern, Add</i>	459.35	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	358.30	
		<i>For Staggered Brick Pattern, Add</i>	543.95	
08 33 16 00-0007	EA	18' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	4,620.96	406.70
		<i>For Lexan Lattice Pattern, Add</i>	515.32	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	358.30	
		<i>For Staggered Brick Pattern, Add</i>	543.95	
08 33 16 00-0008	EA	20' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	5,164.24	474.31
		<i>For Lexan Lattice Pattern, Add</i>	571.29	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	477.42	
		<i>For Staggered Brick Pattern, Add</i>	675.39	
08 33 16 00-0009	EA	24' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	6,430.01	569.37
		<i>For Lexan Lattice Pattern, Add</i>	720.09	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	572.92	
		<i>For Staggered Brick Pattern, Add</i>	698.39	
08 33 16 00-0010	EA	30' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	7,901.40	711.72
		<i>For Lexan Lattice Pattern, Add</i>	880.19	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	670.58	
		<i>For Staggered Brick Pattern, Add</i>	801.67	
08 33 16 00-0011	EA	4' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	2,132.98	177.93
		<i>For Lexan Lattice Pattern, Add</i>	243.69	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	143.22	
		<i>For Staggered Brick Pattern, Add</i>	197.51	
08 33 16 00-0012	EA	6' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	2,404.85	177.93
		<i>For Lexan Lattice Pattern, Add</i>	284.47	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	214.82	
		<i>For Staggered Brick Pattern, Add</i>	268.63	
08 33 16 00-0013	EA	8' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	2,734.68	237.31
		<i>For Lexan Lattice Pattern, Add</i>	308.53	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	286.40	
		<i>For Staggered Brick Pattern, Add</i>	339.74	
08 33 16 00-0014	EA	12' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	3,259.55	237.31
		<i>For Lexan Lattice Pattern, Add</i>	387.26	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	429.68	
		<i>For Staggered Brick Pattern, Add</i>	481.94	
08 33 16 00-0015	EA	16' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	4,451.73	355.86
		<i>For Lexan Lattice Pattern, Add</i>	515.25	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	572.92	
		<i>For Staggered Brick Pattern, Add</i>	663.46	
08 33 16 00-0016	EA	18' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	5,047.14	406.70
		<i>For Lexan Lattice Pattern, Add</i>	579.24	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	572.92	
		<i>For Staggered Brick Pattern, Add</i>	663.46	
08 33 16 00-0017	EA	20' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	5,640.29	474.31
		<i>For Lexan Lattice Pattern, Add</i>	643.24	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	716.15	
		<i>For Staggered Brick Pattern, Add</i>	844.97	
08 33 16 00-0018	EA	24' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	7,051.61	569.37
		<i>For Lexan Lattice Pattern, Add</i>	813.33	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	859.37	
		<i>For Staggered Brick Pattern, Add</i>	974.08	
08 33 16 00-0019	EA	30' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	8,520.51	711.72
		<i>For Lexan Lattice Pattern, Add</i>	973.05	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,000.54	
		<i>For Staggered Brick Pattern, Add</i>	1,092.01	

**08 33 23 Overhead Coiling Doors (08 33)**

Note: Includes panels, guides, counterbalance mechanisms, hardware, operators, frame, supports and/or trim as required.



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-0898 for forklift.

**08 33 23 11 Overhead Coiling Doors** (08 33 23)

Note: Excludes lifting equipment (forklift or scissor lift) where required.

08 33 23 11-0001	<b>Galvanized Steel Overhead Coiling Doors (Width x Height)</b> (08 33 23 11)		
Note: Includes necessary anchors, track, and hardware. Includes galvanized steel primed with choice of baked-on polyester top coat finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.			
08 33 23 11-0002	<b>26 Gauge Galvanized Steel Overhead Coiling Doors</b> (08 33 23 11-0001)		
08 33 23 11-0003	EA 4' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,179.52	521.48
08 33 23 11-0004	EA 4' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,259.68	552.16
08 33 23 11-0005	EA 5' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,257.48	552.16
08 33 23 11-0006	EA 5' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,340.50	582.84
08 33 23 11-0007	EA 6' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,366.12	598.20
08 33 23 11-0008	EA 6' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,479.59	644.18
08 33 23 11-0009	EA 6' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,570.80	674.87
08 33 23 11-0010	EA 8' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,549.10	674.87
08 33 23 11-0011	EA 8' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,595.51	690.20
08 33 23 11-0012	EA 8' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,648.89	705.54
08 33 23 11-0013	EA 8' x 10', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,754.16	736.21
08 33 23 11-0014	EA 10' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,645.87	705.54
08 33 23 11-0015	EA 10' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,739.71	736.21
08 33 23 11-0016	EA 10' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,844.42	766.89
08 33 23 11-0017	EA 10' x 10', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,928.16	797.57
08 33 23 11-0018	<b>24 Gauge Galvanized Steel Overhead Coiling Doors</b> (08 33 23 11-0001)		
Note: With curtain hood (barrel cover).			
08 33 23 11-0019	EA 8' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,589.47	776.09
<i>For Insulated, Add</i>		894.38	
08 33 23 11-0020	EA 8' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,660.67	793.73
<i>For Insulated, Add</i>		923.93	
08 33 23 11-0021	EA 8' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,871.60	846.65
<i>For Insulated, Add</i>		1,010.73	
08 33 23 11-0022	EA 8' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,051.53	881.92
<i>For Insulated, Add</i>		1,098.06	
08 33 23 11-0023	EA 10' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,760.13	811.37
<i>For Insulated, Add</i>		974.75	
08 33 23 11-0024	EA 10' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,983.01	881.92
<i>For Insulated, Add</i>		1,046.67	
08 33 23 11-0025	EA 10' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,135.33	917.19
<i>For Insulated, Add</i>		1,113.28	
08 33 23 11-0026	EA 10' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,323.73	952.47
<i>For Insulated, Add</i>		1,206.96	
08 33 23 11-0027	EA 12' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,937.82	846.65
<i>For Insulated, Add</i>		1,060.39	
08 33 23 11-0028	EA 12' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,103.10	881.92
<i>For Insulated, Add</i>		1,136.73	
08 33 23 11-0029	EA 12' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,338.95	952.47
<i>For Insulated, Add</i>		1,218.37	
08 33 23 11-0030	EA 12' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,572.43	983.15
<i>For Insulated, Add</i>		1,352.07	
08 33 23 11-0031	EA 14' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,677.21	1,044.50
<i>For Insulated, Add</i>		1,347.83	
08 33 23 11-0032	EA 14' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,997.09	1,105.86
<i>For Insulated, Add</i>		1,504.92	
08 33 23 11-0033	EA 14' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,328.92	1,167.20
<i>For Insulated, Add</i>		1,670.97	
08 33 23 11-0034	<b>22 Gauge Galvanized Steel Overhead Coiling Doors</b> (08 33 23 11-0001)		
Note: With curtain hood (barrel cover).			
08 33 23 11-0035	EA 4' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,290.73	698.48
<i>For Insulated, Add</i>		775.10	
08 33 23 11-0036	EA 4' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,457.78	737.29
<i>For Insulated, Add</i>		847.96	
08 33 23 11-0037	EA 4' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,578.16	767.97
<i>For Insulated, Add</i>		896.83	
08 33 23 11-0038	EA 6' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,623.60	814.91
<i>For Insulated, Add</i>		867.54	
08 33 23 11-0039	EA 6' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,878.17	892.51
<i>For Insulated, Add</i>		953.71	
08 33 23 11-0040	EA 6' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,030.84	923.18
<i>For Insulated, Add</i>		1,026.80	
08 33 23 11-0041	EA 6' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,373.22	953.86
<i>For Insulated, Add</i>		1,242.17	
08 33 23 11-0042	EA 6' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,746.29	999.88
<i>For Insulated, Add</i>		1,459.85	
08 33 23 11-0043	EA 8' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,845.18	873.10
<i>For Insulated, Add</i>		955.22	
08 33 23 11-0044	EA 8' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,071.52	931.31
<i>For Insulated, Add</i>		1,046.37	
08 33 23 11-0045	EA 8' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,249.17	970.12
<i>For Insulated, Add</i>		1,127.18	
08 33 23 11-0046	EA 8' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,578.99	1,000.79
<i>For Insulated, Add</i>		1,333.14	

**08 Openings**  
**08 30 Specialty Doors and Frames**  
**08 33 Coiling Doors and Grilles**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 33 23 11-0047	EA 8' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,939.46	1,046.81
	<i>For Insulated, Add</i>	1,541.37	
08 33 23 11-0048	EA 10' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,346.12	1,008.92
	<i>For Insulated, Add</i>	1,147.55	
08 33 23 11-0049	EA 10' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,571.89	1,047.73
	<i>For Insulated, Add</i>	1,264.45	
08 33 23 11-0050	EA 10' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,975.55	1,109.08
	<i>For Insulated, Add</i>	1,484.37	
08 33 23 11-0051	EA 10' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,440.57	1,201.11
	<i>For Insulated, Add</i>	1,708.90	
08 33 23 11-0052	EA 10' x 18', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,933.11	1,323.81
	<i>For Insulated, Add</i>	1,912.66	
08 33 23 11-0053	EA 10' x 20', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,487.02	1,477.18
	<i>For Insulated, Add</i>	2,121.03	
08 33 23 11-0054	EA 10' x 22', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,102.28	1,661.24
	<i>For Insulated, Add</i>	2,334.00	
08 33 23 11-0055	EA 10' x 24', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,777.82	1,875.96
	<i>For Insulated, Add</i>	2,550.78	
08 33 23 11-0056	EA 12' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,581.82	1,047.73
	<i>For Insulated, Add</i>	1,271.90	
08 33 23 11-0057	EA 12' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,802.90	1,081.47
	<i>For Insulated, Add</i>	1,392.16	
08 33 23 11-0058	EA 12' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,297.67	1,142.82
	<i>For Insulated, Add</i>	1,680.41	
08 33 23 11-0059	EA 12' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,853.79	1,234.85
	<i>For Insulated, Add</i>	1,973.26	
08 33 23 11-0060	EA 12' x 18', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,419.63	1,357.55
	<i>For Insulated, Add</i>	2,232.00	
08 33 23 11-0061	EA 12' x 20', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,046.82	1,510.92
	<i>For Insulated, Add</i>	2,495.33	
08 33 23 11-0062	EA 12' x 22', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,735.37	1,694.98
	<i>For Insulated, Add</i>	2,763.27	
08 33 23 11-0063	EA 12' x 24', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,546.61	1,940.39
	<i>For Insulated, Add</i>	3,040.40	

**08 33 23 11-0064 20 Gauge Galvanized Steel Overhead Coiling Doors** (08 33 23 11-0001)  
 Note: With curtain hood (barrel cover)

08 33 23 11-0065	EA 14' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,339.36	1,219.97
	<i>For Insulated, Add</i>	1,607.57	
08 33 23 11-0066	EA 14' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,719.97	1,281.33
	<i>For Insulated, Add</i>	1,810.20	
08 33 23 11-0067	EA 14' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,169.17	1,342.68
	<i>For Insulated, Add</i>	2,064.27	
08 33 23 11-0068	EA 14' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,636.84	1,434.70
	<i>For Insulated, Add</i>	2,290.79	
08 33 23 11-0069	EA 14' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,189.28	1,557.41
	<i>For Insulated, Add</i>	2,539.48	
08 33 23 11-0070	EA 14' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,741.30	1,680.11
	<i>For Insulated, Add</i>	2,787.84	
08 33 23 11-0071	EA 14' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,818.02	1,833.48
	<i>For Insulated, Add</i>	3,388.32	
08 33 23 11-0072	EA 14' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,956.09	2,017.54
	<i>For Insulated, Add</i>	3,993.40	
08 33 23 11-0073	EA 16' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,181.40	1,402.97
	<i>For Insulated, Add</i>	1,992.03	
08 33 23 11-0074	EA 16' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,608.13	1,464.33
	<i>For Insulated, Add</i>	2,229.25	
08 33 23 11-0075	EA 16' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,993.13	1,525.68
	<i>For Insulated, Add</i>	2,435.18	
08 33 23 11-0076	EA 16' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,451.55	1,617.70
	<i>For Insulated, Add</i>	2,654.76	
08 33 23 11-0077	EA 16' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,006.09	1,740.41
	<i>For Insulated, Add</i>	2,905.02	
08 33 23 11-0078	EA 16' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,626.36	1,863.11
	<i>For Insulated, Add</i>	3,204.57	
08 33 23 11-0079	EA 16' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,542.69	2,016.48
	<i>For Insulated, Add</i>	3,684.76	
08 33 23 11-0080	EA 16' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	9,526.69	2,200.54
	<i>For Insulated, Add</i>	4,174.29	
08 33 23 11-0081	EA 18' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,644.09	1,578.36
	<i>For Insulated, Add</i>	2,102.25	
08 33 23 11-0082	EA 18' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,030.78	1,639.70
	<i>For Insulated, Add</i>	2,309.45	
08 33 23 11-0083	EA 18' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,643.65	1,731.73
	<i>For Insulated, Add</i>	2,644.87	
08 33 23 11-0084	EA 18' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,237.10	1,854.43
	<i>For Insulated, Add</i>	2,924.31	
08 33 23 11-0085	EA 18' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,895.14	2,007.81
	<i>For Insulated, Add</i>	3,210.78	
08 33 23 11-0086	EA 18' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,614.95	2,191.87
	<i>For Insulated, Add</i>	3,502.16	
08 33 23 11-0087	EA 18' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	9,771.66	2,406.60
	<i>For Insulated, Add</i>	4,079.81	
08 33 23 11-0088	EA 18' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	11,008.96	2,652.00
	<i>For Insulated, Add</i>	4,676.49	
08 33 23 11-0089	EA 20' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,459.21	1,815.11
	<i>For Insulated, Add</i>	2,393.98	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0090 EA 20' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	7,155.91 2,833.68	1,876.45
<b>08 33 23 11-0091 18 Gauge Galvanized Steel Overhead Coiling Doors</b> <small>(08 33 23 11-0001)</small>		
<i>Note: With curtain hood (barrel cover).</i>		
08 33 23 11-0092 EA 20' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	8,164.63 3,127.49	2,219.27
08 33 23 11-0093 EA 20' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	8,926.59 3,574.71	2,311.30
08 33 23 11-0094 EA 20' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	9,851.33 4,102.62	2,434.00
08 33 23 11-0095 EA 20' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	10,872.34 4,702.73	2,556.71
08 33 23 11-0096 EA 20' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	11,959.24 5,310.85	2,710.08
08 33 23 11-0097 EA 20' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	13,123.40 5,935.50	2,894.14
08 33 23 11-0098 EA 22' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	7,182.34 2,486.02	2,148.72
08 33 23 11-0099 EA 22' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	7,979.59 2,959.71	2,240.75
08 33 23 11-0100 EA 22' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	9,103.52 3,531.99	2,441.20
08 33 23 11-0101 EA 22' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	10,075.58 4,136.80	2,533.22
08 33 23 11-0102 EA 22' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	11,112.02 4,748.48	2,655.93
08 33 23 11-0103 EA 22' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	12,244.37 5,432.10	2,778.63
08 33 23 11-0104 EA 22' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	13,441.24 6,122.70	2,932.00
08 33 23 11-0105 EA 22' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	14,693.08 6,813.10	3,116.06
08 33 23 11-0106 EA 24' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	7,913.02 2,743.89	2,363.58
08 33 23 11-0107 EA 24' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	8,454.90 3,067.48	2,424.94
08 33 23 11-0108 EA 24' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	9,577.15 3,826.34	2,486.28
08 33 23 11-0109 EA 24' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	10,653.88 4,509.66	2,578.31
08 33 23 11-0110 EA 24' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	11,752.70 5,168.11	2,701.02
08 33 23 11-0111 EA 24' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	12,946.70 5,897.97	2,823.72
08 33 23 11-0112 EA 24' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	12,975.91 6,660.07	2,276.34
08 33 23 11-0113 EA 24' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	15,905.26 7,661.36	3,161.15
08 33 23 11-0114 EA 20' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	8,578.64 3,437.99	2,219.27
08 33 23 11-0115 EA 20' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	9,404.82 3,933.39	2,311.30
08 33 23 11-0116 EA 20' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	10,405.03 4,517.90	2,434.00
08 33 23 11-0117 EA 20' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	11,512.24 5,182.66	2,556.71
08 33 23 11-0118 EA 20' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	12,685.81 5,855.78	2,710.08
08 33 23 11-0119 EA 20' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	13,938.42 6,546.77	2,894.14
08 33 23 11-0120 EA 22' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	7,502.88 2,726.42	2,148.72
08 33 23 11-0121 EA 22' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	8,368.27 3,251.22	2,240.75
08 33 23 11-0122 EA 22' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	9,572.53 3,883.75	2,441.20
08 33 23 11-0123 EA 22' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	10,632.14 4,554.22	2,533.22
08 33 23 11-0124 EA 22' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	11,756.48 5,231.83	2,655.93
08 33 23 11-0125 EA 22' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	12,987.38 5,989.36	2,778.63
08 33 23 11-0126 EA 22' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	14,283.15 6,754.13	2,932.00
08 33 23 11-0127 EA 22' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	15,633.18 7,518.18	3,116.06
08 33 23 11-0128 EA 24' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	8,267.00 3,009.38	2,363.58
08 33 23 11-0129 EA 24' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	8,855.46 3,367.90	2,424.94
08 33 23 11-0130 EA 24' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	10,088.76 4,210.04	2,486.28
08 33 23 11-0131 EA 24' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	11,264.67 4,967.75	2,578.31
08 33 23 11-0132 EA 24' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For Insulated, Add</i>	12,458.31 5,697.33	2,701.02

**08 Openings**  
**08 30 Specialty Doors and Frames**  
**08 33 Coiling Doors and Grilles**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 33 23 11-0133	EA 24' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	13,757.72 6,506.23	2,823.72
08 33 23 11-0134	EA 24' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	13,911.98 7,362.15	2,276.34
08 33 23 11-0135	EA 24' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	16,970.02 8,459.93	3,161.15
<b>08 33 23 11-0136 Aluminum Overhead Coiling Doors (Width x Height) <small>(08 33 23 11)</small></b>			
Note: Includes necessary anchors, track and hardware. Includes clear anodized aluminum finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.			
<b>08 33 23 11-0137 0.04" Aluminum Overhead Coiling Doors <small>(08 33 23 11-0136)</small></b>			
08 33 23 11-0138	EA 4' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	2,517.08	698.48
08 33 23 11-0139	EA 4' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	2,704.56	737.29
08 33 23 11-0140	EA 4' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	3,175.68	767.97
08 33 23 11-0141	EA 6' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	3,081.72	814.91
08 33 23 11-0142	EA 6' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	3,372.78	892.51
08 33 23 11-0143	EA 6' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	3,570.04	923.18
08 33 23 11-0144	EA 6' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	3,808.04	953.86
08 33 23 11-0145	EA 6' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	4,079.67	999.88
08 33 23 11-0146	EA 8' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	3,365.72	873.10
08 33 23 11-0147	EA 8' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	3,666.07	931.31
08 33 23 11-0148	EA 8' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	3,930.50	970.12
08 33 23 11-0149	EA 8' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	4,168.70	1,000.79
08 33 23 11-0150	EA 8' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	4,438.53	1,046.81
08 33 23 11-0151	EA 10' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	4,022.46	1,008.92
08 33 23 11-0152	EA 10' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	4,282.67	1,047.73
08 33 23 11-0153	EA 10' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	4,630.49	1,109.08
08 33 23 11-0154	EA 10' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	5,040.93	1,201.11
08 33 23 11-0155	EA 10' x 18', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	5,673.45	1,323.81
08 33 23 11-0156	EA 10' x 20', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	6,367.24	1,477.18
08 33 23 11-0157	EA 10' x 22', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	7,118.69	1,661.24
08 33 23 11-0158	EA 10' x 24', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	7,932.55	1,875.96
08 33 23 11-0159	EA 12' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	4,278.09	1,047.73
08 33 23 11-0160	EA 12' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	4,786.46	1,081.47
08 33 23 11-0161	EA 12' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	5,252.77	1,142.82
08 33 23 11-0162	EA 12' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	5,782.50	1,234.85
08 33 23 11-0163	EA 12' x 18', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	6,496.15	1,357.55
08 33 23 11-0164	EA 12' x 20', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	7,272.92	1,510.92
08 33 23 11-0165	EA 12' x 22', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	7,852.39	1,694.98
08 33 23 11-0166	EA 12' x 24', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	8,556.94	1,940.39
<b>08 33 23 11-0167 0.05" Aluminum Overhead Coiling Doors <small>(08 33 23 11-0136)</small></b>			
08 33 23 11-0168	EA 14' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	4,893.18	1,219.97
08 33 23 11-0169	EA 14' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	5,506.54	1,281.33
08 33 23 11-0170	EA 14' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	6,108.29	1,342.68
08 33 23 11-0171	EA 14' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	6,724.91	1,434.70
08 33 23 11-0172	EA 14' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	7,440.65	1,557.41
08 33 23 11-0173	EA 14' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	8,156.37	1,680.11
08 33 23 11-0174	EA 14' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	8,943.61	1,833.48
08 33 23 11-0175	EA 14' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	9,792.32	2,017.54
08 33 23 11-0176	EA 16' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	5,701.97	1,402.97
08 33 23 11-0177	EA 16' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	6,342.90	1,464.33
08 33 23 11-0178	EA 16' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	6,957.69	1,525.68
08 33 23 11-0179	EA 16' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	7,652.71	1,617.70
08 33 23 11-0180	EA 16' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	8,461.36	1,740.41
08 33 23 11-0181	EA 16' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	9,313.54	1,863.11
08 33 23 11-0182	EA 16' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	10,192.22	2,016.48
08 33 23 11-0183	EA 16' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	11,087.26	2,200.54
08 33 23 11-0184	EA 18' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	6,373.57	1,578.36
08 33 23 11-0185	EA 18' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	7,059.50	1,639.70
08 33 23 11-0186	EA 18' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	7,872.66	1,731.73
08 33 23 11-0187	EA 18' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	8,735.89	1,854.43
08 33 23 11-0188	EA 18' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	9,669.75	2,007.81
08 33 23 11-0189	EA 18' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	10,659.17	2,191.87
08 33 23 11-0190	EA 18' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	11,708.48	2,406.60
08 33 23 11-0191	EA 18' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	12,824.93	2,652.00
08 33 23 11-0192	EA 20' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	7,282.56	1,815.11
08 33 23 11-0193	EA 20' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	7,981.55	1,876.45
08 33 23 11-0194	EA 20' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	9,128.03	1,968.48
08 33 23 11-0195	EA 20' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	9,942.51	2,091.19
08 33 23 11-0196	EA 20' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	10,954.74	2,244.56
08 33 23 11-0197	EA 20' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	12,054.45	2,428.62
08 33 23 11-0198	EA 20' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	13,169.06	2,643.35
08 33 23 11-0199	EA 20' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	14,375.54	2,888.75
08 33 23 11-0200	EA 22' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	8,598.57	2,148.72
08 33 23 11-0201	EA 22' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	9,520.05	2,240.75
08 33 23 11-0202	EA 22' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	10,762.99	2,441.20
08 33 23 11-0203	EA 22' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	11,770.10	2,533.22
08 33 23 11-0204	EA 22' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	12,837.15	2,655.93
08 33 23 11-0205	EA 22' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	13,914.31	2,778.63
08 33 23 11-0206	EA 22' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	14,997.69	2,932.00
08 33 23 11-0207	EA 22' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	16,149.66	3,116.06
08 33 23 11-0208	EA 24' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	9,476.93	2,363.58

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 33 23 11-0209	EA	24' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,042.37	2,424.94
08 33 23 11-0210	EA	24' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,387.38	2,486.28
08 33 23 11-0211	EA	24' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	12,513.51	2,578.31
08 33 23 11-0212	EA	24' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	13,641.51	2,701.02
08 33 23 11-0213	EA	24' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	14,769.52	2,823.72
08 33 23 11-0214	EA	24' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	16,109.82	2,977.09
08 33 23 11-0215	EA	24' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	17,555.05	3,161.15

**08 33 23 11-0216 Overhead Coiling Door Accessories (08 33 23 11)**

08 33 23 11-0217	LF	Bottom Of Door, Weather Strip Seal For Coiling Doors, Astragal Only	4.59	1.39
08 33 23 11-0218	LF	Top Of Door (Lintel), Weather Strip Seal For Coiling Doors	28.08	1.66
08 33 23 11-0219	LF	Side Of Door (Guides), Weather Strip Seal For Coiling Doors	26.80	1.66
08 33 23 11-0220	EA	Cylinder Lock For Coiling Doors	261.40	69.40
08 33 23 11-0221	EA	Up To 12' Height, 1/2 HP Motorized Jackshaft Operator For Coiling Doors And Grilles Note: Includes three button inside station controls and mounting hardware.	1,550.30	222.08
08 33 23 11-0222	EA	Up To 12' Height, 3/4 HP Motorized Jackshaft Operator For Coiling Doors And Grilles Note: Includes three button inside station controls and mounting hardware.	1,944.86	222.08
08 33 23 11-0223	EA	>12' To 18' Height, 1/2 HP Motorized Jackshaft Operator For Coiling Doors And Grilles Note: Includes three button inside station controls and mounting hardware.	1,832.76	249.84
08 33 23 11-0224	EA	>12' To 18' Height, 3/4 HP Motorized Jackshaft Operator For Coiling Doors And Grilles Note: Includes three button inside station controls and mounting hardware.	2,156.70	249.84
08 33 23 11-0225	EA	>18' To 24' Height, 3/4 HP Motorized Jackshaft Operator For Coiling Doors And Grilles Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.	2,351.95	277.60
08 33 23 11-0226	EA	>18' To 24' Height, 1 HP Motorized Jackshaft Operator For Coiling Doors And Grilles Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.	2,548.47	277.60
08 33 23 11-0227	LF	Safety Edge Bottom Bar Obstruction Detection Device, Electric For Coiling Doors And Grilles	126.29	
08 33 23 11-0228	EA	Remote Transmitter Kit For Coiling Door Operators	348.15	111.04

**08 33 23 11-0229 Removal And Reinstallation Of Roll-Up Door And Support (08 33 23 11)**

Note: Includes storage, cleaning and supply materials.

08 33 23 11-0230	SF	Removal And Reinstallation Of Metal Roll-up Door And Supports	23.99	
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**08 33 23 13 Overhead Rapid Coiling Doors (08 33 23)**

Note: Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-0898 for forklift.

**08 33 23 13-0001 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13)**

Note: Door panel is 32 ounce vinyl. Side frames are fully bolted together, anodized aluminum construction with weather seal. Bottom bar releases in either direction when impacted, without damage to door. Manual drive system.

**08 33 23 13-0002 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0001)**

**08 33 23 13-0003 5' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0002)**

08 33 23 13-0004	EA	5' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	3,658.38	406.41
08 33 23 13-0005	EA	5' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	3,855.18	425.28
08 33 23 13-0006	EA	5' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,050.75	444.17
08 33 23 13-0007	EA	5' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,245.08	463.05
08 33 23 13-0008	EA	5' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,441.87	481.92
08 33 23 13-0009	EA	5' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,637.44	500.80

**08 33 23 13-0010 6' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0002)**

08 33 23 13-0011	EA	6' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	3,855.18	425.28
08 33 23 13-0012	EA	6' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,050.75	444.17
08 33 23 13-0013	EA	6' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,245.08	463.05
08 33 23 13-0014	EA	6' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,441.87	481.92
08 33 23 13-0015	EA	6' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,637.44	500.80
08 33 23 13-0016	EA	6' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,833.02	519.67

**08 33 23 13-0017 7' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0002)**

08 33 23 13-0018	EA	7' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,050.75	444.17
08 33 23 13-0019	EA	7' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,245.08	463.05
08 33 23 13-0020	EA	7' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,441.87	481.92
08 33 23 13-0021	EA	7' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,637.44	500.80
08 33 23 13-0022	EA	7' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,833.02	519.67
08 33 23 13-0023	EA	7' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	5,029.81	538.55

**08 33 23 13-0024 8' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0002)**

08 33 23 13-0025	EA	8' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,245.08	463.05
08 33 23 13-0026	EA	8' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,441.87	481.92
08 33 23 13-0027	EA	8' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,637.44	500.80
08 33 23 13-0028	EA	8' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,833.02	519.67

## 08 Openings

## 08 30 Specialty Doors and Frames

## 08 33 Coiling Doors and Grilles

 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 33 23 13-0029	EA	8' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	5,029.81	538.55
08 33 23 13-0030	EA	8' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	5,224.14	557.43
<b>08 33 23 13-0031</b>		<b>9' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) <small>(08 33 23 13-0002)</small></b>		
08 33 23 13-0032	EA	9' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	4,441.87	481.92
08 33 23 13-0033	EA	9' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	4,637.44	500.80
08 33 23 13-0034	EA	9' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	4,833.02	519.67
08 33 23 13-0035	EA	9' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	5,029.81	538.55
08 33 23 13-0036	EA	9' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	5,224.14	557.43
08 33 23 13-0037	EA	9' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	5,420.95	576.30
<b>08 33 23 13-0038</b>		<b>10' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) <small>(08 33 23 13-0002)</small></b>		
08 33 23 13-0039	EA	10' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	4,637.44	500.80
08 33 23 13-0040	EA	10' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	4,833.02	519.67
08 33 23 13-0041	EA	10' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	5,029.81	538.55
08 33 23 13-0042	EA	10' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	5,224.14	557.43
08 33 23 13-0043	EA	10' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	5,420.95	576.30
08 33 23 13-0044	EA	10' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	5,616.51	595.18
<b>08 33 23 13-0045</b>		<b>Rytec® Bantam® Door Options <small>(08 33 23 13-0001)</small></b>		
08 33 23 13-0046	SF	Upgrade To 2-Ply Rilon Panel Material For Rytec® Bantam® High-Speed Rolling Doors .....	7.71	
08 33 23 13-0047	SF	Upgrade To 3-Ply Rilon Panel Material For Rytec® Bantam® High-Speed Rolling Doors .....	16.95	
08 33 23 13-0048	LF	31" High Full Vision Panel For Rytec® Bantam® High-Speed Rolling Doors .....	24.66	
		Note: Multiply linear foot price x width of door.		
08 33 23 13-0049	EA	Two 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Bantam® High-Speed Rolling Doors .....	234.25	
08 33 23 13-0050	EA	Roll Cover For Rytec® Bantam® High-Speed Rolling Doors.....	480.91	55.52
08 33 23 13-0051	EA	Motor Cover For Rytec® Bantam® High-Speed Rolling Doors.....	480.91	55.52
08 33 23 13-0052	EA	Motor Operator For Rytec® Bantam® High-Speed Rolling Doors .....	1,978.98	111.04
		Note: Includes open/close/stop pushbutton, pneumatic reversing edge and coil cord.		
08 33 23 13-0053	EA	Additional NEMA 4 Pushbutton Control For Rytec® Bantam® Motor Operator .....	271.32	55.52
		Note: Includes open/close/stop control.		
08 33 23 13-0054	EA	Auto Close Feature For Rytec® Bantam® Motor Operator.....	265.15	55.52
<b>08 33 23 13-0055</b>		<b>2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) <small>(08 33 23 13-0055)</small></b>		
		Note: Rytec® PredaDoor® PD5500. Door panel is 2-ply multi-filament Rilon. Includes full width vision panel. Side frames are fully bolted together, anodized aluminum construction with weather seal. Bottom bar releases in either direction when impacted, without damage to door. Drive system is a 3 phase, variable-speed AC Drive with brake and absolute encoder. Opens at 50" per second and closes at 21" per second.		
<b>08 33 23 13-0056</b>		<b>2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) <small>(08 33 23 13-0056)</small></b>		
<b>08 33 23 13-0057</b>		<b>6' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) <small>(08 33 23 13-0056)</small></b>		
08 33 23 13-0058	EA	6' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	10,801.85	444.17
08 33 23 13-0059	EA	6' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	10,983.44	463.05
08 33 23 13-0060	EA	6' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,191.28	481.92
08 33 23 13-0061	EA	6' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,476.76	500.80
08 33 23 13-0062	EA	6' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,767.96	519.67
08 33 23 13-0063	EA	6' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,250.92	538.55
08 33 23 13-0064	EA	6' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,596.90	557.43
<b>08 33 23 13-0065</b>		<b>7' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) <small>(08 33 23 13-0056)</small></b>		
08 33 23 13-0066	EA	7' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,021.11	463.05
08 33 23 13-0067	EA	7' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,249.50	481.92
08 33 23 13-0068	EA	7' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,533.84	500.80
08 33 23 13-0069	EA	7' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,834.17	519.67
08 33 23 13-0070	EA	7' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,226.95	538.55
08 33 23 13-0071	EA	7' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,698.50	557.43
08 33 23 13-0072	EA	7' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,073.03	576.30
<b>08 33 23 13-0073</b>		<b>8' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) <small>(08 33 23 13-0056)</small></b>		
08 33 23 13-0074	EA	8' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,286.03	481.92
08 33 23 13-0075	EA	8' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,569.23	500.80
08 33 23 13-0076	EA	8' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,880.97	519.67
08 33 23 13-0077	EA	8' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,285.17	538.55
08 33 23 13-0078	EA	8' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,650.56	557.43
08 33 23 13-0079	EA	8' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,163.22	576.30
08 33 23 13-0080	EA	8' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,585.68	595.18
<b>08 33 23 13-0081</b>		<b>9' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) <small>(08 33 23 13-0056)</small></b>		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0082	EA	9' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,606.91	500.80
08 33 23 13-0083	EA	9' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,916.36	519.67
08 33 23 13-0084	EA	9' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,320.56	538.55
08 33 23 13-0085	EA	9' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,697.36	557.43
08 33 23 13-0086	EA	9' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,092.44	576.30
08 33 23 13-0087	EA	9' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,502.34	595.18
08 33 23 13-0088	EA	9' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,951.06	614.06
<b>08 33 23 13-0089</b>		<b>10' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®)</b> (08 33 23 13-0056)		
08 33 23 13-0090	EA	10' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,946.04	519.67
08 33 23 13-0091	EA	10' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,358.23	538.55
08 33 23 13-0092	EA	10' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,731.61	557.43
08 33 23 13-0093	EA	10' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,130.11	576.30
08 33 23 13-0094	EA	10' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,570.84	595.18
08 33 23 13-0095	EA	10' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,667.95	614.06
08 33 23 13-0096	EA	10' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	14,410.06	632.93
<b>08 33 23 13-0097</b>		<b>11' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®)</b> (08 33 23 13-0056)		
08 33 23 13-0098	EA	11' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,379.92	538.55
08 33 23 13-0099	EA	11' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,762.43	557.43
08 33 23 13-0100	EA	11' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,165.50	576.30
08 33 23 13-0101	EA	11' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,607.37	595.18
08 33 23 13-0102	EA	11' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,900.83	614.06
08 33 23 13-0103	EA	11' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	14,471.70	632.93
08 33 23 13-0104	EA	11' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	14,940.99	651.81
<b>08 33 23 13-0105</b>		<b>12' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®)</b> (08 33 23 13-0056)		
08 33 23 13-0106	EA	12' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,772.71	557.43
08 33 23 13-0107	EA	12' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,186.05	576.30
08 33 23 13-0108	EA	12' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,635.91	595.18
08 33 23 13-0109	EA	12' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,939.65	614.06
08 33 23 13-0110	EA	12' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	14,335.86	632.93
08 33 23 13-0111	EA	12' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	14,993.51	651.81
08 33 23 13-0112	EA	12' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	15,453.64	670.68
<b>08 33 23 13-0113</b>		<b>Rytec® PredaDoor® Door Options</b> (08 33 23 13-0055)		
08 33 23 13-0114	EA	Up To 10' Wide Doors, Roll And Motor Hood For Rytec® PredaDoor® High-Speed Rolling Doors.....	593.09	111.04
08 33 23 13-0115	EA	>10' To 15' Wide Doors, Roll And Motor Hood For Rytec® PredaDoor® High-Speed Rolling Doors.....	838.54	111.04
08 33 23 13-0116	SF	Upgrade To 3-Ply Rilon Panel Material For Rytec® PredaDoor® High-Speed Rolling Doors.....	9.25	
<b>08 33 23 13-0117</b>		<b>3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> (08 33 23 13-0117) Note: Rytec® Fast-Seal® FS1000. Door panel is heavy-duty 3-ply multi-filament Rilon. Independent opening and closing speeds up to 50" per second. Side frames are fully bolted together, reinforced with front and rear wind bar guides and full height vinyl weather seal on either side of the door panel. Counterbalance system consists of guided counterweights custom-sized to provide to provide proper balancing of each door system. The independent tension system maintains constant panel tensioning. The drive system is a 3 phase, variable speed AC drive motor with brake and absolute encoder. Bottom bar breaks away in either direction without damage to the bar, safety astragal, or side covers.		
<b>08 33 23 13-0118</b>		<b>3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> (08 33 23 13-0117)		
<b>08 33 23 13-0119</b>		<b>8' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> (08 33 23 13-0118)		
08 33 23 13-0120	EA	8' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	16,563.07	999.37
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	2,200.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	3,300.00	
08 33 23 13-0121	EA	8' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	17,305.79	1,027.69
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	2,200.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	3,300.00	
08 33 23 13-0122	EA	8' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	17,954.90	1,056.00
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	2,200.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	3,300.00	
08 33 23 13-0123	EA	8' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	18,651.97	1,084.32
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	2,200.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	3,300.00	

**08 Openings****08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 33 23 13-0124	EA	8' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	19,440.36	1,112.63
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
		For 316 Stainless Steel Side Frame Tower, Add	3,300.00	
08 33 23 13-0125	EA	8' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	19,861.15	1,140.95
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
		For 316 Stainless Steel Side Frame Tower, Add	3,300.00	
08 33 23 13-0126	EA	8' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	20,510.26	1,169.27
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
		For 316 Stainless Steel Side Frame Tower, Add	3,300.00	
08 33 23 13-0127	EA	8' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	21,091.49	1,199.67
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
		For 316 Stainless Steel Side Frame Tower, Add	3,300.00	
08 33 23 13-0128	EA	8' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	22,008.29	1,230.85
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
		For 316 Stainless Steel Side Frame Tower, Add	3,300.00	
08 33 23 13-0129	EA	8' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	22,752.85	1,262.85
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
		For 316 Stainless Steel Side Frame Tower, Add	3,300.00	
08 33 23 13-0130	EA	8' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	23,671.69	1,295.69
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
		For 316 Stainless Steel Side Frame Tower, Add	3,300.00	
08 33 23 13-0131		<b>9' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> (08 33 23 13-0118)		
08 33 23 13-0132	EA	9' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	17,305.79	1,027.69
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	2,750.00	
		For 316 Stainless Steel Side Frame Tower, Add	4,125.00	
08 33 23 13-0133	EA	9' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	17,954.90	1,056.00
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	2,750.00	
		For 316 Stainless Steel Side Frame Tower, Add	4,125.00	
08 33 23 13-0134	EA	9' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	18,651.97	1,084.32
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	2,750.00	
		For 316 Stainless Steel Side Frame Tower, Add	4,125.00	
08 33 23 13-0135	EA	9' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	19,440.36	1,112.63
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	2,750.00	
		For 316 Stainless Steel Side Frame Tower, Add	4,125.00	
08 33 23 13-0136	EA	9' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	19,861.15	1,140.95
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	2,750.00	
		For 316 Stainless Steel Side Frame Tower, Add	4,125.00	
08 33 23 13-0137	EA	9' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	20,510.26	1,169.27
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	2,750.00	
		For 316 Stainless Steel Side Frame Tower, Add	4,125.00	
08 33 23 13-0138	EA	9' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	21,343.16	1,197.58
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	2,750.00	
		For 316 Stainless Steel Side Frame Tower, Add	4,125.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0139 EA 9' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) ..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	22,008.29 675.00 1,100.00 2,750.00 2,750.00 4,125.00	1,230.85
08 33 23 13-0140 EA 9' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) ..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	22,752.85 675.00 1,100.00 2,750.00 2,750.00 4,125.00	1,262.85
08 33 23 13-0141 EA 9' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) ..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	23,671.69 675.00 1,100.00 2,750.00 2,750.00 4,125.00	1,295.69
08 33 23 13-0142 EA 9' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) ..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	24,763.62 675.00 1,100.00 2,750.00 2,750.00 4,125.00	1,329.38
<b>08 33 23 13-0143 10' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> <small>(08 33 23 13-0118)</small>		
08 33 23 13-0144 EA 10' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) ..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	17,954.90 675.00 1,100.00 2,750.00 3,300.00 4,950.00	1,056.00
08 33 23 13-0145 EA 10' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) ..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	18,651.97 675.00 1,100.00 2,750.00 3,300.00 4,950.00	1,084.32
08 33 23 13-0146 EA 10' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) ..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	19,440.36 675.00 1,100.00 2,750.00 3,300.00 4,950.00	1,112.63
08 33 23 13-0147 EA 10' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) ..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	19,861.15 675.00 1,100.00 2,750.00 3,300.00 4,950.00	1,140.95
08 33 23 13-0148 EA 10' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) ..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	20,510.26 675.00 1,100.00 2,750.00 3,300.00 4,950.00	1,169.27
08 33 23 13-0149 EA 10' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) ..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	21,343.16 675.00 1,100.00 2,750.00 3,300.00 4,950.00	1,197.58
08 33 23 13-0150 EA 10' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) ..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	22,130.41 675.00 1,100.00 2,750.00 3,300.00 4,950.00	1,225.90
08 33 23 13-0151 EA 10' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) ..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	22,751.62 675.00 1,100.00 2,750.00 3,300.00 4,950.00	1,262.24
08 33 23 13-0152 EA 10' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) ..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	23,670.43 675.00 1,100.00 2,750.00 3,300.00 4,950.00	1,295.06
08 33 23 13-0153 EA 10' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) ..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	24,762.32 675.00 1,100.00 2,750.00 3,300.00 4,950.00	1,328.73

**08 Openings****08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 33 23 13-0154	EA	10' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	25,685.82	1,363.28
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,300.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
<b>08 33 23 13-0155 11' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)</b>				
08 33 23 13-0156	EA	11' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	18,651.97	1,084.32
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,850.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	5,775.00	
08 33 23 13-0157	EA	11' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	19,440.36	1,112.63
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,850.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	5,775.00	
08 33 23 13-0158	EA	11' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	19,861.15	1,140.95
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,850.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	5,775.00	
08 33 23 13-0159	EA	11' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	20,510.26	1,169.27
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,850.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	5,775.00	
08 33 23 13-0160	EA	11' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	21,343.16	1,197.58
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,850.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	5,775.00	
08 33 23 13-0161	EA	11' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	22,130.41	1,225.90
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,850.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	5,775.00	
08 33 23 13-0162	EA	11' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	23,008.99	1,254.21
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,850.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	5,775.00	
08 33 23 13-0163	EA	11' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	23,667.40	1,293.55
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,850.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	5,775.00	
08 33 23 13-0164	EA	11' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	24,759.22	1,327.18
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,850.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	5,775.00	
08 33 23 13-0165	EA	11' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	25,682.63	1,361.69
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,850.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	5,775.00	
08 33 23 13-0166	EA	11' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	26,776.76	1,397.09
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,850.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	5,775.00	
<b>08 33 23 13-0167 12' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)</b>				
08 33 23 13-0168	EA	12' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	19,440.36	1,112.63
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,400.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,600.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0169	EA	12' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	19,861.15	1,140.95	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,400.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,600.00		
08 33 23 13-0170	EA	12' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	20,510.26	1,169.27	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,400.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,600.00		
08 33 23 13-0171	EA	12' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	21,343.16	1,197.58	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,400.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,600.00		
08 33 23 13-0172	EA	12' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	22,130.41	1,225.90	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,400.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,600.00		
08 33 23 13-0173	EA	12' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	23,008.99	1,254.21	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,400.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,600.00		
08 33 23 13-0174	EA	12' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	23,644.40	1,282.53	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,400.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,600.00		
08 33 23 13-0175	EA	12' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	24,754.56	1,324.85	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,400.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,600.00		
08 33 23 13-0176	EA	12' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	25,677.85	1,359.29	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,400.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,600.00		
08 33 23 13-0177	EA	12' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	26,771.85	1,394.64	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,400.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,600.00		
08 33 23 13-0178	EA	12' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	27,867.70	1,430.90	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,400.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,600.00		
08 33 23 13-0179		<b>13' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> <small>(08 33 23 13-0118)</small>			
08 33 23 13-0180	EA	13' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	20,331.48	1,140.95	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,950.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,975.00		
08 33 23 13-0181	EA	13' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	21,157.54	1,169.27	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,950.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,975.00		
08 33 23 13-0182	EA	13' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	21,941.35	1,197.58	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,950.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,975.00		
08 33 23 13-0183	EA	13' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	22,849.61	1,225.90	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,950.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,975.00		

**08 Openings****08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 33 23 13-0184	EA	13' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	23,754.44	1,254.21
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,975.00	
08 33 23 13-0185	EA	13' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	24,429.81	1,282.53
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,975.00	
08 33 23 13-0186	EA	13' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	24,946.50	1,310.84
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,975.00	
08 33 23 13-0187	EA	13' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	25,742.04	1,356.25
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,975.00	
08 33 23 13-0188	EA	13' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	26,837.11	1,391.52
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,975.00	
08 33 23 13-0189	EA	13' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	27,937.72	1,427.70
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,975.00	
08 33 23 13-0190	EA	13' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	28,909.52	1,464.81
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,975.00	
08 33 23 13-0191		<b>14' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> (08 33 23 13-0118)		
08 33 23 13-0192	EA	14' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	21,157.54	1,169.27
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	5,480.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,370.00	
08 33 23 13-0193	EA	14' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	21,941.35	1,197.58
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	5,480.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,370.00	
08 33 23 13-0194	EA	14' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	22,849.61	1,225.90
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	5,480.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,370.00	
08 33 23 13-0195	EA	14' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	23,754.44	1,254.21
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	5,480.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,370.00	
08 33 23 13-0196	EA	14' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	24,429.81	1,282.53
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	5,480.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,370.00	
08 33 23 13-0197	EA	14' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	24,946.50	1,310.84
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	5,480.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,370.00	
08 33 23 13-0198	EA	14' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	25,707.49	1,339.15
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	5,480.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,370.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0199	EA	14' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	26,829.25	1,387.58	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	5,480.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,370.00		
08 33 23 13-0200	EA	14' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	27,929.66	1,423.66	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	5,480.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,370.00		
08 33 23 13-0201	EA	14' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	28,901.23	1,460.67	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	5,480.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,370.00		
08 33 23 13-0202	EA	14' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	30,995.46	1,498.65	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	5,480.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,370.00		
<b>08 33 23 13-0203 15' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> <small>(08 33 23 13-0118)</small>					
08 33 23 13-0204	EA	15' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	21,885.10	1,169.27	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
08 33 23 13-0205	EA	15' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	22,793.66	1,197.58	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
08 33 23 13-0206	EA	15' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	23,698.54	1,225.90	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
08 33 23 13-0207	EA	15' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	24,374.09	1,254.21	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
08 33 23 13-0208	EA	15' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	24,890.60	1,282.53	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
08 33 23 13-0209	EA	15' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	25,651.22	1,310.84	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
08 33 23 13-0210	EA	15' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	26,794.00	1,369.96	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
08 33 23 13-0211	EA	15' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	27,921.33	1,419.49	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
08 33 23 13-0212	EA	15' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	28,892.69	1,456.40	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
08 33 23 13-0213	EA	15' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	30,986.70	1,494.27	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
08 33 23 13-0214	EA	15' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	32,466.22	1,533.12	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
<b>08 33 23 13-0215 16' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> <small>(08 33 23 13-0118)</small>					
08 33 23 13-0216	EA	16' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	22,845.85	1,223.67	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	6,070.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,790.00		
08 33 23 13-0217	EA	16' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	23,753.36	1,253.30	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	6,070.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,790.00		

**08 Openings**  
**08 30 Specialty Doors and Frames**  
**08 33 Coiling Doors and Grilles**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 33 23 13-0218	EA 16' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	24,431.54	1,282.93
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	6,070.00	
	For 316 Stainless Steel Side Frame Tower, Add	7,790.00	
08 33 23 13-0219	EA 16' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	24,950.69	1,312.57
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	6,070.00	
	For 316 Stainless Steel Side Frame Tower, Add	7,790.00	
08 33 23 13-0220	EA 16' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	25,713.94	1,342.20
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	6,070.00	
	For 316 Stainless Steel Side Frame Tower, Add	7,790.00	
08 33 23 13-0221	EA 16' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	26,797.76	1,371.83
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	6,070.00	
	For 316 Stainless Steel Side Frame Tower, Add	7,790.00	
08 33 23 13-0222	EA 16' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	27,885.27	1,401.46
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	6,070.00	
	For 316 Stainless Steel Side Frame Tower, Add	7,790.00	
08 33 23 13-0223	EA 16' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	28,884.17	1,452.15
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	6,070.00	
	For 316 Stainless Steel Side Frame Tower, Add	7,790.00	
08 33 23 13-0224	EA 16' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	30,977.96	1,489.90
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	6,070.00	
	For 316 Stainless Steel Side Frame Tower, Add	7,790.00	
08 33 23 13-0225	EA 16' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	32,457.26	1,528.63
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	6,070.00	
	For 316 Stainless Steel Side Frame Tower, Add	7,790.00	
08 33 23 13-0226	EA 16' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	33,945.97	1,568.38
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	6,070.00	
	For 316 Stainless Steel Side Frame Tower, Add	7,790.00	
08 33 23 13-0227	17' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)		
08 33 23 13-0228	EA 17' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	23,669.01	1,251.81
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
08 33 23 13-0229	EA 17' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	24,429.93	1,282.13
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
08 33 23 13-0230	EA 17' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	25,347.43	1,312.44
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
08 33 23 13-0231	EA 17' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	26,353.71	1,342.76
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
08 33 23 13-0232	EA 17' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	27,278.61	1,373.07
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
08 33 23 13-0233	EA 17' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	28,646.11	1,403.39
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
08 33 23 13-0234	EA 17' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	29,964.31	1,433.70
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
08 33 23 13-0235	EA 17' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	30,969.25	1,485.54
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0236 EA 17' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) ..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	32,448.32 675.00 1,100.00 2,750.00	1,524.16
08 33 23 13-0237 EA 17' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) ..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	33,936.80 675.00 1,100.00 2,750.00	1,563.79
08 33 23 13-0238 EA 17' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) ..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	35,381.71 675.00 1,100.00 2,750.00	1,604.45
<b>08 33 23 13-0239 18' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> <small>(08 33 23 13-0118)</small>		
08 33 23 13-0240 EA 18' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) ..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	24,666.07 675.00 1,100.00 2,750.00 6,720.00 8,230.00	1,280.61
08 33 23 13-0241 EA 18' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) ..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	25,666.33 675.00 1,100.00 2,750.00 6,720.00 8,230.00	1,311.61
08 33 23 13-0242 EA 18' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) ..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	26,754.13 675.00 1,100.00 2,750.00 6,720.00 8,230.00	1,342.63
08 33 23 13-0243 EA 18' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) ..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	27,838.25 675.00 1,100.00 2,750.00 6,720.00 8,230.00	1,373.64
08 33 23 13-0244 EA 18' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) ..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	28,967.97 675.00 1,100.00 2,750.00 6,720.00 8,230.00	1,404.66
08 33 23 13-0245 EA 18' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) ..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	30,566.19 675.00 1,100.00 2,750.00 6,720.00 8,230.00	1,435.66
08 33 23 13-0246 EA 18' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) ..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	32,208.81 675.00 1,100.00 2,750.00 6,720.00 8,230.00	1,466.68
08 33 23 13-0247 EA 18' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) ..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	33,037.37 675.00 1,100.00 2,750.00 6,720.00 8,230.00	1,519.70
08 33 23 13-0248 EA 18' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) ..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	33,927.65 675.00 1,100.00 2,750.00 6,720.00 8,230.00	1,559.22
08 33 23 13-0249 EA 18' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) ..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	35,331.64 675.00 1,100.00 2,750.00 6,720.00 8,230.00	1,599.76
08 33 23 13-0250 EA 18' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) ..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	36,780.89 675.00 1,100.00 2,750.00 6,720.00 8,230.00	1,641.36
<b>08 33 23 13-0251 19' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> <small>(08 33 23 13-0118)</small>		
08 33 23 13-0252 EA 19' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) ..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	25,663.21 675.00 1,100.00 2,750.00	1,310.06

**08 Openings**  
**08 30 Specialty Doors and Frames**  
**08 33 Coiling Doors and Grilles**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 33 23 13-0253	EA	19' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	26,752.45	1,341.78
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0254	EA	19' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	27,837.99	1,373.51
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0255	EA	19' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	28,969.14	1,405.23
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0256	EA	19' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	30,568.79	1,436.96
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0257	EA	19' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	32,212.83	1,468.68
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0258	EA	19' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	32,998.77	1,500.41
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0259	EA	19' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	33,918.53	1,554.66
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0260	EA	19' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	35,322.29	1,595.08
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0261	EA	19' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	36,771.29	1,636.55
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0262	EA	19' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	38,222.46	1,679.11
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	

**08 33 23 13-0263 20' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)** (08 33 23 13-0118)

08 33 23 13-0264	EA	20' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	26,749.26	1,340.19
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0265	EA	20' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	27,836.26	1,372.64
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0266	EA	20' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	28,968.87	1,405.10
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0267	EA	20' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	30,569.98	1,437.55
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0268	EA	20' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	32,215.48	1,470.01
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0269	EA	20' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	33,002.88	1,502.46
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0270	EA	20' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	33,879.05	1,534.92
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0271	EA	20' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	35,312.95	1,590.42
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0272	EA	20' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	36,761.72	1,631.77
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0273	EA	20' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	38,212.65	1,674.19
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0274	EA	20' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	39,493.16	1,717.72
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 33 23 13-0275	21' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) <small>(08 33 23 13-0118)</small>		
08 33 23 13-0276	EA 21' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) ..... For NEMA 4X Control Box, Add ..... For 2 Speed Motor, 60" Open, 30" Close, Add ..... For AC Variable Speed Motor And Controls, Add .....	33,325.27 675.00 1,100.00 2,750.00	1,437.41
08 33 23 13-0277	EA 21' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) ..... For NEMA 4X Control Box, Add ..... For 2 Speed Motor, 60" Open, 30" Close, Add ..... For AC Variable Speed Motor And Controls, Add .....	34,927.88 675.00 1,100.00 2,750.00	1,470.61
08 33 23 13-0278	EA 21' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) ..... For NEMA 4X Control Box, Add ..... For 2 Speed Motor, 60" Open, 30" Close, Add ..... For AC Variable Speed Motor And Controls, Add .....	36,573.63 675.00 1,100.00 2,750.00	1,503.82
08 33 23 13-0279	EA 21' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) ..... For NEMA 4X Control Box, Add ..... For 2 Speed Motor, 60" Open, 30" Close, Add ..... For AC Variable Speed Motor And Controls, Add .....	37,364.99 675.00 1,100.00 2,750.00	1,537.02
08 33 23 13-0280	EA 21' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) ..... For NEMA 4X Control Box, Add ..... For 2 Speed Motor, 60" Open, 30" Close, Add ..... For AC Variable Speed Motor And Controls, Add .....	38,241.42 675.00 1,100.00 2,750.00	1,570.22
08 33 23 13-0281	EA 21' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) ..... For NEMA 4X Control Box, Add ..... For 2 Speed Motor, 60" Open, 30" Close, Add ..... For AC Variable Speed Motor And Controls, Add .....	39,677.87 675.00 1,100.00 2,750.00	1,627.00
08 33 23 13-0282	EA 21' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) ..... For NEMA 4X Control Box, Add ..... For 2 Speed Motor, 60" Open, 30" Close, Add ..... For AC Variable Speed Motor And Controls, Add .....	41,128.55 675.00 1,100.00 2,750.00	1,669.30
08 33 23 13-0283	EA 21' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) ..... For NEMA 4X Control Box, Add ..... For 2 Speed Motor, 60" Open, 30" Close, Add ..... For AC Variable Speed Motor And Controls, Add .....	42,581.41 675.00 1,100.00 2,750.00	1,712.70
08 33 23 13-0284	EA 21' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) ..... For NEMA 4X Control Box, Add ..... For 2 Speed Motor, 60" Open, 30" Close, Add ..... For AC Variable Speed Motor And Controls, Add .....	43,863.94 675.00 1,100.00 2,750.00	1,757.23
08 33 23 13-0285	22' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) <small>(08 33 23 13-0118)</small>		
08 33 23 13-0286	EA 22' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) ..... For NEMA 4X Control Box, Add ..... For 2 Speed Motor, 60" Open, 30" Close, Add ..... For AC Variable Speed Motor And Controls, Add .....	34,584.84 675.00 1,100.00 2,750.00	1,470.48
08 33 23 13-0287	EA 22' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) ..... For NEMA 4X Control Box, Add ..... For 2 Speed Motor, 60" Open, 30" Close, Add ..... For AC Variable Speed Motor And Controls, Add .....	36,190.21 675.00 1,100.00 2,750.00	1,504.44
08 33 23 13-0288	EA 22' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) ..... For NEMA 4X Control Box, Add ..... For 2 Speed Motor, 60" Open, 30" Close, Add ..... For AC Variable Speed Motor And Controls, Add .....	37,836.26 675.00 1,100.00 2,750.00	1,538.40
08 33 23 13-0289	EA 22' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) ..... For NEMA 4X Control Box, Add ..... For 2 Speed Motor, 60" Open, 30" Close, Add ..... For AC Variable Speed Motor And Controls, Add .....	38,627.92 675.00 1,100.00 2,750.00	1,572.37
08 33 23 13-0290	EA 22' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) ..... For NEMA 4X Control Box, Add ..... For 2 Speed Motor, 60" Open, 30" Close, Add ..... For AC Variable Speed Motor And Controls, Add .....	39,508.34 675.00 1,100.00 2,750.00	1,606.33
08 33 23 13-0291	EA 22' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) ..... For NEMA 4X Control Box, Add ..... For 2 Speed Motor, 60" Open, 30" Close, Add ..... For AC Variable Speed Motor And Controls, Add .....	40,947.41 675.00 1,100.00 2,750.00	1,664.41
08 33 23 13-0292	EA 22' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) ..... For NEMA 4X Control Box, Add ..... For 2 Speed Motor, 60" Open, 30" Close, Add ..... For AC Variable Speed Motor And Controls, Add .....	42,400.03 675.00 1,100.00 2,750.00	1,707.69
08 33 23 13-0293	EA 22' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) ..... For NEMA 4X Control Box, Add ..... For 2 Speed Motor, 60" Open, 30" Close, Add ..... For AC Variable Speed Motor And Controls, Add .....	43,853.65 675.00 1,100.00 2,750.00	1,752.09
08 33 23 13-0294	EA 22' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) ..... For NEMA 4X Control Box, Add ..... For 2 Speed Motor, 60" Open, 30" Close, Add ..... For AC Variable Speed Motor And Controls, Add .....	45,139.45 675.00 1,100.00 2,750.00	1,797.65
08 33 23 13-0295	23' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) <small>(08 33 23 13-0118)</small>		
08 33 23 13-0296	EA 23' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) ..... For NEMA 4X Control Box, Add ..... For 2 Speed Motor, 60" Open, 30" Close, Add ..... For AC Variable Speed Motor And Controls, Add .....	35,847.17 675.00 1,100.00 2,750.00	1,504.30

**08 Openings****08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 33 23 13-0297	EA	23' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	37,452.86	1,539.05
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
08 33 23 13-0298	EA	23' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	39,101.72	1,573.79
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
08 33 23 13-0299	EA	23' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	39,894.94	1,608.54
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
08 33 23 13-0300	EA	23' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	40,775.69	1,643.28
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
08 33 23 13-0301	EA	23' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	42,218.66	1,702.70
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
08 33 23 13-0302	EA	23' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	43,672.03	1,746.97
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
08 33 23 13-0303	EA	23' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	45,128.94	1,792.39
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
08 33 23 13-0304	EA	23' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	46,416.84	1,838.99
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
<b>08 33 23 13-0305</b>		<b>24' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> <small>(08 33 23 13-0118)</small>		
08 33 23 13-0306	EA	24' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	37,109.82	1,538.90
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
08 33 23 13-0307	EA	24' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	38,717.12	1,574.44
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
08 33 23 13-0308	EA	24' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	40,368.81	1,609.99
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
08 33 23 13-0309	EA	24' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	41,163.62	1,645.53
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
08 33 23 13-0310	EA	24' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	42,044.72	1,681.08
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
08 33 23 13-0311	EA	24' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	43,489.21	1,741.86
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
08 33 23 13-0312	EA	24' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	44,945.85	1,787.15
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
08 33 23 13-0313	EA	24' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	46,406.08	1,833.62
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
08 33 23 13-0314	EA	24' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	47,693.65	1,881.29
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
<b>08 33 23 13-0315</b>		<b>Rytec® Fast-Seal® Door Options</b> <small>(08 33 23 13-0117)</small>		
08 33 23 13-0316	LF	Strapped Windbar For Rytec® Fast-Seal® High-Speed Rolling Doors	34.25	
		Note: Multiply linear foot price x width of door.		
08 33 23 13-0317	EA	Up To 10' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors	371.01	
08 33 23 13-0318	EA	>10' To 15' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors	616.46	
08 33 23 13-0319	EA	>15' To 20' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors	906.55	
08 33 23 13-0320	EA	>20' To 24' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors	1,356.20	
08 33 23 13-0321	EA	One 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Window With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	216.90	
08 33 23 13-0322	EA	Two 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	428.09	
		Note: Door must be at least 90" wide.		
08 33 23 13-0323	EA	Three 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	542.25	
		Note: Door must be at least 102" wide.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 33 23 13-0324	EA		Four 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors ..... 856.19 Note: Door must be at least 136" wide.	856.19	
08 33 23 13-0325	EA		One 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Window With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors ..... 251.15	251.15	
08 33 23 13-0326	EA		Two 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors ..... 496.59 Note: Door must be at least 108" wide.	496.59	
08 33 23 13-0327	EA		Three 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors ..... 616.46 Note: Door must be at least 144" wide.	616.46	
08 33 23 13-0328	EA		Four 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors ..... 993.18 Note: Door must be at least 192" wide.	993.18	
08 33 23 13-0329	EA		Sloped Roll And Motor Cover For Interior Or Exterior Door Widths Of 8' Or 10' ..... 607.30 For 304 Stainless Steel, Add 97.17 For 316 Stainless Steel, Add 425.11	607.30	
08 33 23 13-0330	EA		Sloped Roll And Motor Cover For Interior Or Exterior Door Widths Of 12' Or 14' ..... 789.49 For 304 Stainless Steel, Add 126.32 For 316 Stainless Steel, Add 552.64	789.49	
08 33 23 13-0331	EA		Sloped Roll And Motor Cover For Interior Or Exterior Door Widths Of 16' Or 18' ..... 1,032.41 For 304 Stainless Steel, Add 165.19 For 316 Stainless Steel, Add 722.69	1,032.41	
08 33 23 13-0332	EA		Through Wall Brake Release ..... 127.59	127.59	
08 33 23 13-0333	EA		Explosion Proof Upgrade Package: Control Box, Motor, Rotary Limit Switch, Photo-eyes, Safety Bar, Push Buttons ..... 17,429.51 For NEMA 12 Control Box Mounted Outside Explosion Proof Area, Deduct -6,200.00	17,429.51	-6,200.00

**08 33 23 13-0334 High Performance Rubber, High-Speed Rolling Door (Rytec®**

**Powerhouse™)** (08 33 23 13)

Note: Rytec® Powerhouse™. Door panel is styrene butadiene rubber (SBR) panel 1/4" thick, made of two 1/8" thick layers, 60 durometer; sandwiched with 1-ply, 110 lbs polyester cord center. Panel includes bonded SBR beveled segmented windlocks to allow the door panel to effectively release from the side frame in case of accidental impact. Vertical orange stripes for visual safety awareness. Side frames are structural columns consisting of 5 x 2 x 1/4" structural steel tubing, welded to a reinforced 0.22" thick steel 'Z' mounting bracket and 0.18" thick steel hinged cover. Drive system is a 480 volt, 3-phase variable speed AC Drive motor with brake and absolute encoder. Opens at up to 60" per second and closes at 21" per second.

**08 33 23 13-0335 High Performance Rubber, High-Speed Rolling Door (Rytec®**

**Powerhouse™)** (08 33 23 13-0334)

**08 33 23 13-0336 8' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec®**

**Powerhouse™)** (08 33 23 13-0335)

08 33 23 13-0337	EA	8' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) ..... 21,725.31	999.37
08 33 23 13-0338	EA	8' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) ..... 21,927.43	1,027.69
08 33 23 13-0339	EA	8' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) ..... 22,273.79	1,056.00
08 33 23 13-0340	EA	8' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) ..... 22,620.16	1,084.32
08 33 23 13-0341	EA	8' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) ..... 22,967.76	1,112.63
08 33 23 13-0342	EA	8' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) ..... 23,314.12	1,140.95
08 33 23 13-0343	EA	8' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) ..... 23,515.00	1,169.27
08 33 23 13-0344	EA	8' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) ..... 23,866.77	1,199.67
08 33 23 13-0345	EA	8' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) ..... 24,508.62	1,230.86
08 33 23 13-0346	EA	8' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) ..... 24,718.11	1,262.86
08 33 23 13-0347	EA	8' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) ..... 25,218.99	1,295.69

**08 33 23 13-0348 9' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec®**

**Powerhouse™)** (08 33 23 13-0335)

08 33 23 13-0349	EA	9' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) ..... 21,927.43	1,027.69
08 33 23 13-0350	EA	9' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) ..... 22,128.31	1,056.00
08 33 23 13-0351	EA	9' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) ..... 22,475.91	1,084.32
08 33 23 13-0352	EA	9' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) ..... 22,967.76	1,112.63
08 33 23 13-0353	EA	9' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) ..... 23,168.64	1,140.95
08 33 23 13-0354	EA	9' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) ..... 23,515.00	1,169.27
08 33 23 13-0355	EA	9' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) ..... 23,862.59	1,197.58
08 33 23 13-0356	EA	9' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) ..... 24,218.89	1,230.86
08 33 23 13-0357	EA	9' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) ..... 25,007.85	1,262.86
08 33 23 13-0358	EA	9' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) ..... 25,799.69	1,295.69
08 33 23 13-0359	EA	9' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) ..... 26,592.02	1,329.38

**08 33 23 13-0360 10' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec®**

**Powerhouse™)** (08 33 23 13-0335)

08 33 23 13-0361	EA	10' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) ..... 22,998.74	1,056.00
08 33 23 13-0362	EA	10' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) ..... 23,200.86	1,084.32
08 33 23 13-0363	EA	10' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) ..... 23,547.23	1,112.63
08 33 23 13-0364	EA	10' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) ..... 24,039.08	1,140.95
08 33 23 13-0365	EA	10' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) ..... 24,385.44	1,169.27
08 33 23 13-0366	EA	10' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) ..... 24,733.03	1,197.58
08 33 23 13-0367	EA	10' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) ..... 25,079.40	1,225.90
08 33 23 13-0368	EA	10' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) ..... 25,587.32	1,262.24
08 33 23 13-0369	EA	10' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) ..... 26,232.42	1,295.07
08 33 23 13-0370	EA	10' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) ..... 27,170.19	1,328.73
08 33 23 13-0371	EA	10' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) ..... 27,965.48	1,363.28

**08 Openings**  
**08 30 Specialty Doors and Frames**  
**08 33 Coiling Doors and Grilles**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

		TOTAL DIRECT DEMOLITION UNIT COST UNIT COST	
<b>08 33 23 13-0372 11' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)</b> <small>(08 33 23 13-0335)</small>			
08 33 23 13-0373	EA	11' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	23,055.38 1,084.32
08 33 23 13-0374	EA	11' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	23,401.74 1,112.63
08 33 23 13-0375	EA	11' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	23,749.34 1,140.95
08 33 23 13-0376	EA	11' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	24,241.19 1,169.27
08 33 23 13-0377	EA	11' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	24,587.54 1,197.58
08 33 23 13-0378	EA	11' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	24,933.92 1,225.90
08 33 23 13-0379	EA	11' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	25,716.73 1,254.21
08 33 23 13-0380	EA	11' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	26,664.60 1,293.54
08 33 23 13-0381	EA	11' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	27,602.31 1,327.18
08 33 23 13-0382	EA	11' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	28,541.76 1,361.69
08 33 23 13-0383	EA	11' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	29,337.51 1,397.08
<b>08 33 23 13-0384 12' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)</b> <small>(08 33 23 13-0335)</small>			
08 33 23 13-0385	EA	12' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	23,257.49 1,112.63
08 33 23 13-0386	EA	12' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	23,603.86 1,140.95
08 33 23 13-0387	EA	12' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	23,950.22 1,169.27
08 33 23 13-0388	EA	12' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	24,442.06 1,197.58
08 33 23 13-0389	EA	12' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	24,933.92 1,225.90
08 33 23 13-0390	EA	12' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	25,860.98 1,254.21
08 33 23 13-0391	EA	12' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	26,788.05 1,282.53
08 33 23 13-0392	EA	12' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	27,743.13 1,324.85
08 33 23 13-0393	EA	12' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	28,826.70 1,359.30
08 33 23 13-0394	EA	12' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	29,767.82 1,394.64
08 33 23 13-0395	EA	12' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	30,710.78 1,430.90
<b>08 33 23 13-0396 13' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)</b> <small>(08 33 23 13-0335)</small>			
08 33 23 13-0397	EA	13' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	23,603.86 1,140.95
08 33 23 13-0398	EA	13' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	23,805.97 1,169.27
08 33 23 13-0399	EA	13' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	24,152.33 1,197.58
08 33 23 13-0400	EA	13' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	24,789.67 1,225.90
08 33 23 13-0401	EA	13' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	25,860.98 1,254.21
08 33 23 13-0402	EA	13' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	26,933.53 1,282.53
08 33 23 13-0403	EA	13' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	27,860.60 1,310.84
08 33 23 13-0404	EA	13' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	28,966.10 1,356.25
08 33 23 13-0405	EA	13' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	30,052.55 1,391.51
08 33 23 13-0406	EA	13' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	31,139.58 1,427.69
08 33 23 13-0407	EA	13' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,084.26 1,464.81
<b>08 33 23 13-0408 14' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)</b> <small>(08 33 23 13-0335)</small>			
08 33 23 13-0409	EA	14' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	23,805.97 1,169.27
08 33 23 13-0410	EA	14' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	24,006.84 1,197.58
08 33 23 13-0411	EA	14' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	24,498.70 1,225.90
08 33 23 13-0412	EA	14' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	25,425.76 1,254.21
08 33 23 13-0413	EA	14' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	26,788.05 1,282.53
08 33 23 13-0414	EA	14' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	27,860.60 1,310.84
08 33 23 13-0415	EA	14' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	29,077.39 1,339.15
08 33 23 13-0416	EA	14' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	30,188.92 1,387.58
08 33 23 13-0417	EA	14' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	31,276.99 1,423.66
08 33 23 13-0418	EA	14' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,365.71 1,460.67
08 33 23 13-0419	EA	14' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,603.07 1,498.65
<b>08 33 23 13-0420 15' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)</b> <small>(08 33 23 13-0335)</small>			
08 33 23 13-0421	EA	15' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	24,730.19 1,196.16
08 33 23 13-0422	EA	15' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	25,077.86 1,225.13
08 33 23 13-0423	EA	15' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	25,571.01 1,254.08
08 33 23 13-0424	EA	15' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	26,208.42 1,283.05
08 33 23 13-0425	EA	15' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	27,717.48 1,312.02
08 33 23 13-0426	EA	15' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	28,935.58 1,340.98
08 33 23 13-0427	EA	15' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	30,153.69 1,369.96
08 33 23 13-0428	EA	15' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	31,268.68 1,419.50
08 33 23 13-0429	EA	15' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,502.66 1,456.39
08 33 23 13-0430	EA	15' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,738.56 1,494.27
08 33 23 13-0431	EA	15' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,976.43 1,533.12
<b>08 33 23 13-0432 16' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)</b> <small>(08 33 23 13-0335)</small>			
08 33 23 13-0433	EA	16' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	24,929.47 1,223.67
08 33 23 13-0434	EA	16' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	25,423.94 1,253.30
08 33 23 13-0435	EA	16' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	25,918.44 1,282.93

MINOR		TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION		UNIT COST	UNIT COST
08 33 23 13-0436	EA 16' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	27,137.87	1,312.56
08 33 23 13-0437	EA 16' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	28,792.52	1,342.20
08 33 23 13-0438	EA 16' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	30,013.18	1,371.84
08 33 23 13-0439	EA 16' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	31,232.63	1,401.46
08 33 23 13-0440	EA 16' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,494.14	1,452.14
08 33 23 13-0441	EA 16' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,729.82	1,489.90
08 33 23 13-0442	EA 16' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,967.46	1,528.63
08 33 23 13-0443	EA 16' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,352.61	1,568.38
<b>08 33 23 13-0444 17' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)</b> (08 33 23 13-0335)			
08 33 23 13-0445	EA 17' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	25,276.71	1,251.81
08 33 23 13-0446	EA 17' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	25,627.08	1,282.13
08 33 23 13-0447	EA 17' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	26,847.88	1,312.44
08 33 23 13-0448	EA 17' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	28,068.67	1,342.76
08 33 23 13-0449	EA 17' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	29,724.68	1,373.07
08 33 23 13-0450	EA 17' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	31,090.96	1,403.39
08 33 23 13-0451	EA 17' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,311.77	1,433.70
08 33 23 13-0452	EA 17' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,721.11	1,485.55
08 33 23 13-0453	EA 17' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,958.53	1,524.16
08 33 23 13-0454	EA 17' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,343.44	1,563.80
08 33 23 13-0455	EA 17' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,730.40	1,604.46
<b>08 33 23 13-0456 18' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)</b> (08 33 23 13-0335)			
08 33 23 13-0457	EA 18' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	25,624.04	1,280.61
08 33 23 13-0458	EA 18' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	25,975.79	1,311.62
08 33 23 13-0459	EA 18' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	27,633.20	1,342.64
08 33 23 13-0460	EA 18' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	29,000.88	1,373.63
08 33 23 13-0461	EA 18' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	30,658.30	1,404.65
08 33 23 13-0462	EA 18' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,025.96	1,435.66
08 33 23 13-0463	EA 18' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,539.13	1,466.68
08 33 23 13-0464	EA 18' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,949.61	1,519.71
08 33 23 13-0465	EA 18' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,034.28	1,559.22
08 33 23 13-0466	EA 18' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,721.01	1,599.76
08 33 23 13-0467	EA 18' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,109.86	1,641.35
<b>08 33 23 13-0468 19' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)</b> (08 33 23 13-0335)			
08 33 23 13-0469	EA 19' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	26,262.41	1,310.05
08 33 23 13-0470	EA 19' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	26,761.07	1,341.79
08 33 23 13-0471	EA 19' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	28,565.39	1,373.51
08 33 23 13-0472	EA 19' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	29,934.50	1,405.24
08 33 23 13-0473	EA 19' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	31,738.82	1,436.96
08 33 23 13-0474	EA 19' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,107.93	1,468.69
08 33 23 13-0475	EA 19' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,621.28	1,500.41
08 33 23 13-0476	EA 19' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,035.43	1,554.66
08 33 23 13-0477	EA 19' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,566.19	1,595.08
08 33 23 13-0478	EA 19' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,954.77	1,636.56
08 33 23 13-0479	EA 19' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,491.01	1,679.11
<b>08 33 23 13-0480 20' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)</b> (08 33 23 13-0335)			
08 33 23 13-0481	EA 20' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	27,193.11	1,340.19
08 33 23 13-0482	EA 20' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	27,693.24	1,372.64
08 33 23 13-0483	EA 20' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	29,353.53	1,405.10
08 33 23 13-0484	EA 20' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	30,869.58	1,437.55
08 33 23 13-0485	EA 20' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,675.36	1,470.01
08 33 23 13-0486	EA 20' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,190.17	1,502.46
08 33 23 13-0487	EA 20' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,706.22	1,534.92
08 33 23 13-0488	EA 20' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,267.12	1,590.42
08 33 23 13-0489	EA 20' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,800.96	1,631.77
08 33 23 13-0490	EA 20' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,335.71	1,674.19
08 33 23 13-0491	EA 20' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,872.67	1,717.73
<b>08 33 23 13-0492 21' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)</b> (08 33 23 13-0335)			
08 33 23 13-0493	EA 21' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	27,400.24	1,371.01
08 33 23 13-0494	EA 21' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	28,772.31	1,404.21
08 33 23 13-0495	EA 21' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	30,144.36	1,437.41
08 33 23 13-0496	EA 21' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	31,806.14	1,470.62
08 33 23 13-0497	EA 21' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,613.41	1,503.82
08 33 23 13-0498	EA 21' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,275.20	1,537.02
08 33 23 13-0499	EA 21' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,791.51	1,570.22
08 33 23 13-0500	EA 21' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,500.44	1,627.00
08 33 23 13-0501	EA 21' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,036.19	1,669.31
08 33 23 13-0502	EA 21' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,572.89	1,712.70
08 33 23 13-0503	EA 21' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	43,257.34	1,757.23

MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 33 23 13-0504	22' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)		
08 33 23 13-0505	EA 22' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	27,753.05	1,402.55
08 33 23 13-0506	EA 22' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	28,981.14	1,436.52
08 33 23 13-0507	EA 22' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	31,080.91	1,470.47
08 33 23 13-0508	EA 22' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	32,744.22	1,504.44
08 33 23 13-0509	EA 22' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	34,697.27	1,538.41
08 33 23 13-0510	EA 22' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	36,360.59	1,572.38
08 33 23 13-0511	EA 22' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	37,879.65	1,606.33
08 33 23 13-0512	EA 22' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	39,591.21	1,664.41
08 33 23 13-0513	EA 22' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	41,273.14	1,707.69
08 33 23 13-0514	EA 22' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	42,957.32	1,752.09
08 33 23 13-0515	EA 22' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	44,643.82	1,797.65
08 33 23 13-0516	23' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)		
08 33 23 13-0517	EA 23' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	28,833.49	1,434.80
08 33 23 13-0518	EA 23' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	29,917.65	1,469.56
08 33 23 13-0519	EA 23' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	31,873.50	1,504.30
08 33 23 13-0520	EA 23' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	33,683.86	1,539.05
08 33 23 13-0521	EA 23' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	35,638.48	1,573.79
08 33 23 13-0522	EA 23' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	37,303.35	1,608.53
08 33 23 13-0523	EA 23' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	39,113.72	1,643.29
08 33 23 13-0524	EA 23' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	40,827.94	1,702.71
08 33 23 13-0525	EA 23' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	42,511.87	1,746.97
08 33 23 13-0526	EA 23' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	44,343.59	1,792.39
08 33 23 13-0527	EA 23' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	46,032.17	1,838.99
08 33 23 13-0528	24' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)		
08 33 23 13-0529	EA 24' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	29,769.92	1,467.81
08 33 23 13-0530	EA 24' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	30,565.96	1,503.35
08 33 23 13-0531	EA 24' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	32,813.13	1,538.90
08 33 23 13-0532	EA 24' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	34,479.61	1,574.44
08 33 23 13-0533	EA 24' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	36,581.30	1,609.99
08 33 23 13-0534	EA 24' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	38,393.26	1,645.53
08 33 23 13-0535	EA 24' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	40,204.00	1,681.07
08 33 23 13-0536	EA 24' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	42,066.44	1,741.86
08 33 23 13-0537	EA 24' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	43,752.40	1,787.15
08 33 23 13-0538	EA 24' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	45,586.19	1,833.62
08 33 23 13-0539	EA 24' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	47,422.41	1,881.30
08 33 23 13-0540	Rytec® Powerhouse™ Door Options (08 33 23 13-0334)		
08 33 23 13-0541	EA Up To 8' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	1,886.35	
08 33 23 13-0542	EA 9' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	1,923.34	
08 33 23 13-0543	EA 10' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	1,960.33	
08 33 23 13-0544	EA 11' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	1,997.32	
08 33 23 13-0545	EA 12' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	2,034.30	
08 33 23 13-0546	EA 13' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	2,071.29	
08 33 23 13-0547	EA 14' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	2,108.28	
08 33 23 13-0548	EA 15' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	2,145.26	
08 33 23 13-0549	EA 16' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	2,182.25	
08 33 23 13-0550	EA 17' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	2,219.24	
08 33 23 13-0551	EA 18' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	2,256.23	
08 33 23 13-0552	EA 19' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	2,293.21	
08 33 23 13-0553	EA 20' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	2,330.20	
08 33 23 13-0554	EA 21' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	2,367.19	
08 33 23 13-0555	EA 22' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	2,404.18	
08 33 23 13-0556	EA 23' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	2,441.16	
08 33 23 13-0557	EA 24' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	2,478.15	
08 33 23 13-0558	EA 11' x 20" Window For Rytec® Powerhouse™ High-Speed Rolling Doors.....	431.52	
08 33 23 13-0559	EA 208-230 Volt Application For Rytec® Powerhouse™ Door.....	1,060.30	
	Note: Includes System 4 Controller In NEMA 4 Enclosure		
08 33 23 13-0560	Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral®) (08 33 23 13-0560) Note: Door panels are double-walled aluminum slats that are 6" high x 1-3/16" thick. Width is variable. Side frames are galvanized steel with full height weather seal on both sides. There are extension springs in each column for counterbalance. The drive system is a 2 HP, 208,230/460 Volt, three-phase motor with variable speed AC drive. Opening and closing speeds up to 60" per second.		
08 33 23 13-0561	Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral®) (08 33 23 13-0560)		
08 33 23 13-0562	8' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0561)		
08 33 23 13-0563	EA 8' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	23,527.44	1,332.50
08 33 23 13-0564	EA 8' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	24,201.66	1,360.81
08 33 23 13-0565	EA 8' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	24,875.89	1,389.13
08 33 23 13-0566	EA 8' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	25,551.26	1,417.44

MINOR			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 33 23 13-0567	EA	8' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	26,225.49	1,445.76
08 33 23 13-0568	EA	8' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	26,899.71	1,474.07
08 33 23 13-0569	EA	8' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	28,808.00	1,502.38
08 33 23 13-0570	EA	8' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	29,479.98	1,532.43
08 33 23 13-0571	EA	8' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	30,152.81	1,563.08
08 33 23 13-0572	EA	8' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	30,826.85	1,594.34
08 33 23 13-0573	EA	8' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	31,502.14	1,626.23

**08 33 23 13-0574 9' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)** (08 33 23 13-0561)

08 33 23 13-0575	EA	9' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	24,201.66	1,360.81
08 33 23 13-0576	EA	9' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	24,875.89	1,389.13
08 33 23 13-0577	EA	9' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	25,551.26	1,417.44
08 33 23 13-0578	EA	9' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	26,225.49	1,445.76
08 33 23 13-0579	EA	9' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	26,899.71	1,474.07
08 33 23 13-0580	EA	9' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	27,573.95	1,502.38
08 33 23 13-0581	EA	9' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	29,482.23	1,530.70
08 33 23 13-0582	EA	9' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	30,145.25	1,561.32
08 33 23 13-0583	EA	9' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	30,830.64	1,592.54
08 33 23 13-0584	EA	9' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	31,505.87	1,624.40
08 33 23 13-0585	EA	9' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	32,182.37	1,656.88

**08 33 23 13-0586 10' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)** (08 33 23 13-0561)

08 33 23 13-0587	EA	10' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	24,875.89	1,389.13
08 33 23 13-0588	EA	10' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	25,551.26	1,417.44
08 33 23 13-0589	EA	10' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	26,225.49	1,445.76
08 33 23 13-0590	EA	10' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	26,899.71	1,474.07
08 33 23 13-0591	EA	10' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	27,573.95	1,502.38
08 33 23 13-0592	EA	10' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	28,248.18	1,530.70
08 33 23 13-0593	EA	10' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	30,156.46	1,559.02
08 33 23 13-0594	EA	10' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	30,830.64	1,590.20
08 33 23 13-0595	EA	10' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	31,506.01	1,622.00
08 33 23 13-0596	EA	10' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	32,182.42	1,654.45
08 33 23 13-0597	EA	10' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	32,860.12	1,687.52

**08 33 23 13-0598 11' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)** (08 33 23 13-0561)

08 33 23 13-0599	EA	11' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	25,551.26	1,417.44
08 33 23 13-0600	EA	11' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	26,225.49	1,445.76
08 33 23 13-0601	EA	11' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	26,899.71	1,474.07
08 33 23 13-0602	EA	11' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	27,573.95	1,502.38
08 33 23 13-0603	EA	11' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	28,248.18	1,530.70
08 33 23 13-0604	EA	11' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	28,922.40	1,559.02
08 33 23 13-0605	EA	11' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	30,829.54	1,587.33
08 33 23 13-0606	EA	11' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	31,506.34	1,619.08
08 33 23 13-0607	EA	11' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	32,182.62	1,651.47
08 33 23 13-0608	EA	11' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	32,860.20	1,684.49
08 33 23 13-0609	EA	11' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,539.10	1,718.19

**08 33 23 13-0610 12' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)** (08 33 23 13-0561)

08 33 23 13-0611	EA	12' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	26,225.49	1,445.76
08 33 23 13-0612	EA	12' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	26,899.71	1,474.07
08 33 23 13-0613	EA	12' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	27,573.95	1,502.38
08 33 23 13-0614	EA	12' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	28,248.18	1,530.70
08 33 23 13-0615	EA	12' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	28,922.40	1,559.02
08 33 23 13-0616	EA	12' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	29,596.63	1,587.33
08 33 23 13-0617	EA	12' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	31,504.90	1,615.65
08 33 23 13-0618	EA	12' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	32,181.79	1,647.96
08 33 23 13-0619	EA	12' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	32,859.23	1,680.92
08 33 23 13-0620	EA	12' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,537.99	1,714.54
08 33 23 13-0621	EA	12' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	34,219.34	1,748.83

**08 33 23 13-0622 13' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)** (08 33 23 13-0561)

08 33 23 13-0623	EA	13' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	26,899.71	1,474.07
08 33 23 13-0624	EA	13' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	27,573.95	1,502.38
08 33 23 13-0625	EA	13' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	28,248.18	1,530.70
08 33 23 13-0626	EA	13' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	28,922.40	1,559.02
08 33 23 13-0627	EA	13' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	29,596.63	1,587.33
08 33 23 13-0628	EA	13' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	30,270.85	1,615.65
08 33 23 13-0629	EA	13' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	32,179.14	1,643.96
08 33 23 13-0630	EA	13' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	32,857.24	1,676.84
08 33 23 13-0631	EA	13' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,535.84	1,710.38
08 33 23 13-0632	EA	13' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	34,215.78	1,744.59
08 33 23 13-0633	EA	13' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	34,897.08	1,779.48

**08 Openings****08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0634			<b>14' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0561)</b>		
08 33 23 13-0635	EA		14' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	28,808.00	1,502.38
08 33 23 13-0636	EA		14' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	29,482.23	1,530.70
08 33 23 13-0637	EA		14' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	30,156.46	1,559.02
08 33 23 13-0638	EA		14' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	30,829.54	1,587.33
08 33 23 13-0639	EA		14' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	31,504.90	1,615.65
08 33 23 13-0640	EA		14' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	32,179.14	1,643.96
08 33 23 13-0641	EA		14' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	32,847.66	1,672.28
08 33 23 13-0642	EA		14' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,526.53	1,705.73
08 33 23 13-0643	EA		14' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	34,206.27	1,739.84
08 33 23 13-0644	EA		14' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	34,887.40	1,774.64
08 33 23 13-0645	EA		14' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	35,569.92	1,810.12
08 33 23 13-0646			<b>15' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0561)</b>		
08 33 23 13-0647	EA		15' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	29,479.98	1,532.43
08 33 23 13-0648	EA		15' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	30,156.66	1,561.32
08 33 23 13-0649	EA		15' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	30,830.89	1,590.20
08 33 23 13-0650	EA		15' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	31,506.34	1,619.08
08 33 23 13-0651	EA		15' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	32,181.79	1,647.96
08 33 23 13-0652	EA		15' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	32,857.24	1,676.84
08 33 23 13-0653	EA		15' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,526.53	1,705.73
08 33 23 13-0654	EA		15' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	34,206.27	1,739.84
08 33 23 13-0655	EA		15' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	34,887.40	1,774.64
08 33 23 13-0656	EA		15' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	35,569.92	1,810.12
08 33 23 13-0657	EA		15' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	36,253.84	1,846.33
08 33 23 13-0658			<b>16' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0561)</b>		
08 33 23 13-0659	EA		16' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	30,152.81	1,563.08
08 33 23 13-0660	EA		16' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	30,830.64	1,592.54
08 33 23 13-0661	EA		16' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	31,506.01	1,622.00
08 33 23 13-0662	EA		16' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	32,182.62	1,651.47
08 33 23 13-0663	EA		16' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	32,859.23	1,680.92
08 33 23 13-0664	EA		16' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,535.84	1,710.38
08 33 23 13-0665	EA		16' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	34,206.27	1,739.84
08 33 23 13-0666	EA		16' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	34,887.40	1,774.64
08 33 23 13-0667	EA		16' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	35,569.92	1,810.12
08 33 23 13-0668	EA		16' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	36,253.84	1,846.33
08 33 23 13-0669	EA		16' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	36,940.45	1,883.26
08 33 23 13-0670			<b>17' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0561)</b>		
08 33 23 13-0671	EA		17' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	30,826.85	1,594.34
08 33 23 13-0672	EA		17' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	31,505.87	1,624.40
08 33 23 13-0673	EA		17' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	32,182.42	1,654.45
08 33 23 13-0674	EA		17' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	32,860.20	1,684.49
08 33 23 13-0675	EA		17' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,537.99	1,714.54
08 33 23 13-0676	EA		17' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	34,215.78	1,744.59
08 33 23 13-0677	EA		17' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	34,887.40	1,774.64
08 33 23 13-0678	EA		17' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	35,569.92	1,810.12
08 33 23 13-0679	EA		17' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	36,253.84	1,846.33
08 33 23 13-0680	EA		17' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	36,940.45	1,883.26
08 33 23 13-0681	EA		17' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	37,627.30	1,920.92
08 33 23 13-0682			<b>18' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0561)</b>		
08 33 23 13-0683	EA		18' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	31,639.00	1,626.23
08 33 23 13-0684	EA		18' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	32,317.99	1,656.88
08 33 23 13-0685	EA		18' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	32,996.97	1,687.52
08 33 23 13-0686	EA		18' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,674.72	1,718.19
08 33 23 13-0687	EA		18' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	34,354.96	1,748.83
08 33 23 13-0688	EA		18' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	35,032.70	1,779.48
08 33 23 13-0689	EA		18' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	35,706.77	1,810.12
08 33 23 13-0690	EA		18' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	36,390.70	1,846.33
08 33 23 13-0691	EA		18' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	37,076.07	1,883.26
08 33 23 13-0692	EA		18' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	37,762.92	1,920.92
08 33 23 13-0693	EA		18' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	38,451.28	1,959.35
08 33 23 13-0694			<b>19' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0561)</b>		
08 33 23 13-0695	EA		19' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	32,519.00	1,658.76
08 33 23 13-0696	EA		19' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,200.44	1,690.02
08 33 23 13-0697	EA		19' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,879.44	1,721.28



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0698	EA		19' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	34,559.65	1,752.55
08 33 23 13-0699	EA		19' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	35,239.86	1,783.81
08 33 23 13-0700	EA		19' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	35,920.07	1,815.07
08 33 23 13-0701	EA		19' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	36,594.13	1,846.33
08 33 23 13-0702	EA		19' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	37,279.50	1,883.26
08 33 23 13-0703	EA		19' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	37,966.35	1,920.92
08 33 23 13-0704	EA		19' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	38,654.71	1,959.35
08 33 23 13-0705	EA		19' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	39,345.84	1,998.53
<b>08 33 23 13-0706</b>			<b>20' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)</b> (08 33 23 13-0561)		
08 33 23 13-0707	EA		20' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	33,604.54	1,692.27
08 33 23 13-0708	EA		20' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	34,287.86	1,723.36
08 33 23 13-0709	EA		20' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	34,967.60	1,755.57
08 33 23 13-0710	EA		20' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	35,649.70	1,787.76
08 33 23 13-0711	EA		20' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	36,330.68	1,819.96
08 33 23 13-0712	EA		20' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	37,011.66	1,851.06
08 33 23 13-0713	EA		20' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	37,687.59	1,883.26
08 33 23 13-0714	EA		20' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	38,374.62	1,921.01
08 33 23 13-0715	EA		20' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	39,062.76	1,959.88
08 33 23 13-0716	EA		20' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	39,753.12	1,998.74
08 33 23 13-0717	EA		20' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	40,444.60	2,038.72
<b>08 33 23 13-0718</b>			<b>Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®)</b> (08 33 23 13-0560)		
<b>08 33 23 13-0719</b>			<b>8' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®)</b> (08 33 23 13-0718)		
08 33 23 13-0720	EA		8' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	23,389.13	888.33
08 33 23 13-0721	EA		8' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	23,902.92	907.20
08 33 23 13-0722	EA		8' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	24,416.71	926.08
08 33 23 13-0723	EA		8' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	24,928.23	944.96
08 33 23 13-0724	EA		8' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	25,442.03	963.83
08 33 23 13-0725	EA		8' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	25,955.82	982.71
08 33 23 13-0726	EA		8' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	31,227.73	1,001.60
<b>08 33 23 13-0727</b>			<b>9' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®)</b> (08 33 23 13-0718)		
08 33 23 13-0728	EA		9' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	23,902.92	907.20
08 33 23 13-0729	EA		9' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	24,416.71	926.08
08 33 23 13-0730	EA		9' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	24,928.23	944.96
08 33 23 13-0731	EA		9' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	25,442.03	963.83
08 33 23 13-0732	EA		9' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	25,955.82	982.71
08 33 23 13-0733	EA		9' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	26,469.61	1,001.60
08 33 23 13-0734	EA		9' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	31,741.53	1,020.47
<b>08 33 23 13-0735</b>			<b>10' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®)</b> (08 33 23 13-0718)		
08 33 23 13-0736	EA		10' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	24,416.71	926.08
08 33 23 13-0737	EA		10' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	24,928.23	944.96
08 33 23 13-0738	EA		10' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	25,442.03	963.83
08 33 23 13-0739	EA		10' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	25,955.82	982.71
08 33 23 13-0740	EA		10' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	26,469.61	1,001.60
08 33 23 13-0741	EA		10' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	26,983.41	1,020.47
08 33 23 13-0742	EA		10' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	32,255.32	1,039.35
<b>08 33 23 13-0743</b>			<b>11' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®)</b> (08 33 23 13-0718)		
08 33 23 13-0744	EA		11' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	24,928.23	944.96
08 33 23 13-0745	EA		11' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	25,442.03	963.83
08 33 23 13-0746	EA		11' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	25,955.82	982.71
08 33 23 13-0747	EA		11' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	26,469.61	1,001.60
08 33 23 13-0748	EA		11' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	26,983.41	1,020.47
08 33 23 13-0749	EA		11' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	27,497.20	1,039.35
08 33 23 13-0750	EA		11' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	32,766.83	1,058.23
<b>08 33 23 13-0751</b>			<b>12' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®)</b> (08 33 23 13-0718)		
08 33 23 13-0752	EA		12' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	25,442.03	963.83
08 33 23 13-0753	EA		12' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	25,955.82	982.71
08 33 23 13-0754	EA		12' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	26,469.61	1,001.60
08 33 23 13-0755	EA		12' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	26,983.41	1,020.47
08 33 23 13-0756	EA		12' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	27,497.20	1,039.35
08 33 23 13-0757	EA		12' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	28,010.99	1,058.23
08 33 23 13-0758	EA		12' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	33,280.63	1,077.10

**08 Openings**  
**08 30 Specialty Doors and Frames**  
**08 33 Coiling Doors and Grilles**

MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

				TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
<b>08 33 23 13-0759</b>		<b>13' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) (08 33 23 13-0718)</b>			
08 33 23 13-0760	EA	13' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	25,955.82		982.71
08 33 23 13-0761	EA	13' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	26,469.61		1,001.60
08 33 23 13-0762	EA	13' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	26,983.41		1,020.47
08 33 23 13-0763	EA	13' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	27,497.20		1,039.35
08 33 23 13-0764	EA	13' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	28,010.99		1,058.23
08 33 23 13-0765	EA	13' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	28,524.79		1,077.10
08 33 23 13-0766	EA	13' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	33,794.43		1,095.98
<b>08 33 23 13-0767</b>		<b>14' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) (08 33 23 13-0718)</b>			
08 33 23 13-0768	EA	14' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	31,227.73		1,001.60
08 33 23 13-0769	EA	14' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	31,741.53		1,020.47
08 33 23 13-0770	EA	14' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	32,255.32		1,039.35
08 33 23 13-0771	EA	14' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	32,769.12		1,058.23
08 33 23 13-0772	EA	14' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	33,282.92		1,077.10
08 33 23 13-0773	EA	14' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	33,796.72		1,095.98
08 33 23 13-0774	EA	14' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	34,310.52		1,114.85
<b>08 33 23 13-0775</b>		<b>Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0560)</b>			
<b>08 33 23 13-0776</b>		<b>8' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0775)</b>			
08 33 23 13-0777	EA	8' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	21,757.80		888.33
08 33 23 13-0778	EA	8' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	22,271.60		907.20
08 33 23 13-0779	EA	8' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	22,785.39		926.08
08 33 23 13-0780	EA	8' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	23,299.04		944.96
08 33 23 13-0781	EA	8' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	23,811.85		963.83
08 33 23 13-0782	EA	8' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	24,324.49		977.72
08 33 23 13-0783	EA	8' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	27,768.65		982.71
<b>08 33 23 13-0784</b>		<b>9' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0775)</b>			
08 33 23 13-0785	EA	9' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	22,271.60		907.20
08 33 23 13-0786	EA	9' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	22,785.39		926.08
08 33 23 13-0787	EA	9' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	23,299.04		944.96
08 33 23 13-0788	EA	9' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	23,811.85		963.83
08 33 23 13-0789	EA	9' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	24,324.49		982.71
08 33 23 13-0790	EA	9' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	24,838.28		994.38
08 33 23 13-0791	EA	9' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	26,572.35		1,001.60
<b>08 33 23 13-0792</b>		<b>10' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0775)</b>			
08 33 23 13-0793	EA	10' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	22,785.39		926.08
08 33 23 13-0794	EA	10' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	23,299.04		944.96
08 33 23 13-0795	EA	10' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	23,811.85		963.83
08 33 23 13-0796	EA	10' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	24,324.49		982.71
08 33 23 13-0797	EA	10' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	24,838.28		1,001.60
08 33 23 13-0798	EA	10' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	25,342.09		1,015.47
08 33 23 13-0799	EA	10' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	27,227.71		1,020.47
<b>08 33 23 13-0800</b>		<b>11' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0775)</b>			
08 33 23 13-0801	EA	11' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	23,299.04		944.96
08 33 23 13-0802	EA	11' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	23,811.85		963.83
08 33 23 13-0803	EA	11' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	24,324.49		982.71
08 33 23 13-0804	EA	11' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	24,838.28		1,001.60
08 33 23 13-0805	EA	11' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	25,352.09		1,020.47
08 33 23 13-0806	EA	11' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	25,866.88		1,034.35
08 33 23 13-0807	EA	11' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	27,883.05		1,039.35
<b>08 33 23 13-0808</b>		<b>12' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0775)</b>			
08 33 23 13-0809	EA	12' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	23,811.85		963.83
08 33 23 13-0810	EA	12' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	24,324.49		982.71
08 33 23 13-0811	EA	12' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	24,838.28		1,001.60
08 33 23 13-0812	EA	12' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	25,352.09		1,020.47
08 33 23 13-0813	EA	12' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	25,866.88		1,039.35
08 33 23 13-0814	EA	12' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	26,380.68		1,052.12
08 33 23 13-0815	EA	12' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	28,538.40		1,058.23

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>08 33 23 13-0816</b>	<b>13' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®)</b> <small>(08 33 23 13-0775)</small>		
08 33 23 13-0817	EA 13' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	24,324.49	982.71
08 33 23 13-0818	EA 13' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	24,838.28	1,001.60
08 33 23 13-0819	EA 13' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	25,352.09	1,020.47
08 33 23 13-0820	EA 13' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	25,865.88	1,039.35
08 33 23 13-0821	EA 13' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	26,379.67	1,058.23
08 33 23 13-0822	EA 13' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	26,882.37	1,071.55
08 33 23 13-0823	EA 13' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	29,193.76	1,077.10

<b>08 33 23 13-0824</b>	<b>14' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®)</b> <small>(08 33 23 13-0775)</small>		
08 33 23 13-0825	EA 14' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	27,806.40	1,001.60
08 33 23 13-0826	EA 14' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	28,461.76	1,020.47
08 33 23 13-0827	EA 14' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	29,117.11	1,039.35
08 33 23 13-0828	EA 14' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	29,771.31	1,058.23
08 33 23 13-0829	EA 14' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	30,427.81	1,077.10
08 33 23 13-0830	EA 14' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	31,073.17	1,090.98
08 33 23 13-0831	EA 14' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	31,083.17	1,095.98

<b>08 33 23 13-0832</b>	<b>Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®)</b> <small>(08 33 23 13-0560)</small>		
<b>08 33 23 13-0833</b>	<b>8' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®)</b> <small>(08 33 23 13-0832)</small>		
08 33 23 13-0834	EA 8' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	29,006.73	888.33
08 33 23 13-0835	EA 8' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	29,657.23	907.20
08 33 23 13-0836	EA 8' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	30,306.51	926.08
08 33 23 13-0837	EA 8' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	31,294.84	944.96
08 33 23 13-0838	EA 8' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	32,284.41	963.83
08 33 23 13-0839	EA 8' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	33,273.96	982.71
08 33 23 13-0840	EA 8' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	34,263.52	1,001.60

<b>08 33 23 13-0841</b>	<b>9' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®)</b> <small>(08 33 23 13-0832)</small>		
08 33 23 13-0842	EA 9' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	29,657.23	907.20
08 33 23 13-0843	EA 9' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	30,306.51	926.08
08 33 23 13-0844	EA 9' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	30,955.79	944.96
08 33 23 13-0845	EA 9' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	31,945.36	963.83
08 33 23 13-0846	EA 9' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	32,933.68	982.71
08 33 23 13-0847	EA 9' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	33,923.24	1,001.60
08 33 23 13-0848	EA 9' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	34,918.97	1,020.47

<b>08 33 23 13-0849</b>	<b>10' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®)</b> <small>(08 33 23 13-0832)</small>		
08 33 23 13-0850	EA 10' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	30,306.51	926.08
08 33 23 13-0851	EA 10' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	30,955.79	944.96
08 33 23 13-0852	EA 10' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	31,605.07	963.83
08 33 23 13-0853	EA 10' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	32,594.63	982.71
08 33 23 13-0854	EA 10' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	33,582.96	1,001.60
08 33 23 13-0855	EA 10' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	34,572.52	1,020.47
08 33 23 13-0856	EA 10' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	35,574.41	1,039.35

<b>08 33 23 13-0857</b>	<b>11' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®)</b> <small>(08 33 23 13-0832)</small>		
08 33 23 13-0858	EA 11' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	30,955.79	944.96
08 33 23 13-0859	EA 11' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	31,605.07	963.83
08 33 23 13-0860	EA 11' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	32,254.35	982.71
08 33 23 13-0861	EA 11' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	33,243.90	1,001.60
08 33 23 13-0862	EA 11' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	34,233.47	1,020.47
08 33 23 13-0863	EA 11' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	35,221.80	1,039.35
08 33 23 13-0864	EA 11' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	36,228.61	1,058.23

<b>08 33 23 13-0865</b>	<b>12' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®)</b> <small>(08 33 23 13-0832)</small>		
08 33 23 13-0866	EA 12' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	31,605.07	963.83
08 33 23 13-0867	EA 12' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	32,254.35	982.71
08 33 23 13-0868	EA 12' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	32,903.62	1,001.60
08 33 23 13-0869	EA 12' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	33,893.19	1,020.47
08 33 23 13-0870	EA 12' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	34,882.75	1,039.35
08 33 23 13-0871	EA 12' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	35,871.07	1,058.23
08 33 23 13-0872	EA 12' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	36,885.30	1,077.10

**08 Openings**  
**08 30 Specialty Doors and Frames**  
**08 33 Coiling Doors and Grilles**

MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

		MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
<b>08 33 23 13-0873</b>		<b>13' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0832)</b>						
08 33 23 13-0874	EA				13' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	32,254.35	982.71	
08 33 23 13-0875	EA				13' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	32,903.62	1,001.60	
08 33 23 13-0876	EA				13' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	33,552.91	1,020.47	
08 33 23 13-0877	EA				13' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	34,542.46	1,039.35	
08 33 23 13-0878	EA				13' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	35,532.02	1,058.23	
08 33 23 13-0879	EA				13' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	36,521.59	1,077.10	
08 33 23 13-0880	EA				13' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	37,540.74	1,095.98	
<b>08 33 23 13-0881</b>		<b>14' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0832)</b>						
08 33 23 13-0882	EA				14' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	32,903.62	1,001.60	
08 33 23 13-0883	EA				14' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	33,552.91	1,020.47	
08 33 23 13-0884	EA				14' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	34,202.18	1,039.35	
08 33 23 13-0885	EA				14' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	35,191.74	1,058.23	
08 33 23 13-0886	EA				14' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	36,181.30	1,077.10	
08 33 23 13-0887	EA				14' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	37,170.87	1,095.98	
08 33 23 13-0888	EA				14' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	38,190.02	1,114.85	
<b>08 33 23 13-0889</b>		<b>Rytec® Spiral® Door Options (08 33 23 13-0560)</b>						
08 33 23 13-0890	EA				Insulated Slats For Rytec® Spiral® High-Speed Rolling Doors.....	371.01		
					Note: Per door price.			
08 33 23 13-0891	EA				Up To 13' Wide Doors, Width Of Door, Ventilated Slats For Rytec® Spiral® High-Speed Rolling Doors.....	251.15		
					Note: Maximum of 4 per door.			
08 33 23 13-0892	EA				>13' Wide Doors, Width Of Door, Ventilated Slats For Rytec® Spiral® High-Speed Rolling Doors.....	371.01		
					Note: Maximum of 4 per door.			
08 33 23 13-0893	EA				Up To 13' Wide Doors, 6" High x Width Of Door, Window Slats For Rytec® Spiral® High-Speed Rolling Doors.....	251.15		
					Note: Maximum of 4 per door.			
08 33 23 13-0894	EA				>13' Wide Doors, 6" High x Width Of Door, Window Slats For Rytec® Spiral® High-Speed Rolling Doors.....	371.01		
					Note: Maximum of 4 per door.			
08 33 23 13-0895	EA				Right Hand Motor Mount For Rytec® Spiral® High-Speed Rolling Doors.....	727.50	55.52	
08 33 23 13-0896	EA				Up To 13' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors.....	2,071.45	111.04	
08 33 23 13-0897	EA				>13' To 16' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors.....	3,675.37	111.04	
08 33 23 13-0898	EA				>16' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors.....	4,171.96	111.04	
08 33 23 13-0899	EA				Through Wall Brake Release For Rytec® Spiral® High-Speed Rolling Doors.....	431.52		
<b>08 33 23 13-0900</b>		<b>Activation And Control Box Options For High Speed Doors (08 33 23 13)</b>						
08 33 23 13-0901	EA				Pull Cord For High-Speed Rolling Doors.....	202.37	55.52	
08 33 23 13-0902	EA				Emergency Stop, Pushbutton Control For High-Speed Rolling Doors.....	146.85	27.76	
08 33 23 13-0903	EA				NEMA 4 Mushroom Remote Pushbutton Control For High-Speed Rolling Doors.....	181.09	27.76	
08 33 23 13-0904	EA				On/Off Selector Switch, Remote Control For High-Speed Rolling Doors.....	129.72	27.76	
08 33 23 13-0905	EA				On/Off Key Switch, Remote Control For High-Speed Rolling Doors.....	192.51	27.76	
08 33 23 13-0906	EA				Keyed Remote Single Pushbutton Control For High-Speed Rolling Doors.....	306.67	27.76	
08 33 23 13-0907	EA				Open/Close/Stop, Remote Pushbutton Control For High-Speed Rolling Doors.....	335.21	27.76	
08 33 23 13-0908	EA				Radio Control For High-Speed Rolling Doors.....	537.57	49.97	
					Note: Includes one receiver and two transmitters.			
08 33 23 13-0909	EA				Floor Loop For High-Speed Rolling Doors.....	759.65		
					Note: Excludes sealant.			
08 33 23 13-0910	EA				Reflective Type Photo Eye For High-Speed Rolling Doors.....	468.74	49.97	
08 33 23 13-0911	EA				Thru-Beam Type Photo Eye For High-Speed Rolling Doors.....	600.36	49.97	
08 33 23 13-0912	EA				Motion Detector For High-Speed Rolling Doors.....	500.42	33.31	
08 33 23 13-0913	EA				Remote Warning Horn For High-Speed Rolling Doors.....	362.19	55.52	
					Note: Includes wall box and mounting hardware.			
08 33 23 13-0914	EA				Remote Strobe Light For High-Speed Rolling Doors.....	482.05	55.52	
					Note: Includes wall box and mounting hardware.			
08 33 23 13-0915	EA				Remote Warning Horn And Strobe Light For High-Speed Rolling Doors.....	544.84	55.52	
					Note: Includes wall box and mounting hardware.			
08 33 23 13-0916	EA				Red And Green Red Light For High-Speed Rolling Doors.....	670.42	55.52	
					Note: Includes mounting hardware.			
<b>08 33 26</b>		<b>Overhead Coiling Grilles (08 33)</b>						
Note: Includes curtains, guides, counterbalance mechanisms, hardware, operators, frame, supports and/or trim as required.								
Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-0898 for forklift.								
<b>08 33 26 00-0001</b>		<b>Galvanized Steel Overhead Coiling Grilles (Width x Height) (08 33 26)</b>						
08 33 26 00-0002	EA				4' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	2,450.31	213.52	
					For Lexan Lattice Pattern, Add	276.11		
					For Aluminum With Clear Or Anodized Bronze Finish, Add	190.97		
					For Staggered Brick Pattern, Add	258.51		
08 33 26 00-0003	EA				6' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	2,778.75	213.52	
					For Lexan Lattice Pattern, Add	325.38		
					For Aluminum With Clear Or Anodized Bronze Finish, Add	286.47		
					For Staggered Brick Pattern, Add	350.10		
08 33 26 00-0004	EA				8' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	3,343.61	266.89	
					For Lexan Lattice Pattern, Add	387.05		
					For Aluminum With Clear Or Anodized Bronze Finish, Add	381.95		
					For Staggered Brick Pattern, Add	441.69		
08 33 26 00-0005	EA				12' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	3,817.28	266.89	
					For Lexan Lattice Pattern, Add	458.10		
					For Aluminum With Clear Or Anodized Bronze Finish, Add	436.11		
					For Staggered Brick Pattern, Add	624.87		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 26 00-0006 EA 16' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift ..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	5,251.00 604.34 763.89 881.22	427.03
08 33 26 00-0007 EA 20' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift ..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	6,526.00 750.59 954.86 1,137.55	533.79
08 33 26 00-0008 EA 24' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift ..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	8,228.25 959.94 1,145.84 1,279.60	640.54
08 33 26 00-0009 EA 30' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift ..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	10,031.78 1,170.31 1,327.14 1,395.57	782.89
08 33 26 00-0010 EA 4' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift ..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	2,688.37 311.82 238.71 307.12	213.52
08 33 26 00-0011 EA 6' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift ..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	3,123.66 377.12 358.06 436.12	213.52
08 33 26 00-0012 EA 8' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift ..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	3,726.06 444.75 477.44 565.13	266.89
08 33 26 00-0013 EA 12' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift ..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	4,319.27 533.73 716.15 823.14	266.89
08 33 26 00-0014 EA 16' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift ..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	5,910.30 703.24 954.86 1,135.00	427.03
08 33 26 00-0015 EA 20' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift ..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	7,340.33 872.74 1,193.58 1,446.84	533.79
08 33 26 00-0016 EA 24' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift ..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	9,212.14 1,107.52 1,432.47 1,675.56	640.54
08 33 26 00-0017 EA 30' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift ..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	11,551.01 1,398.20 1,677.21 1,877.00	782.89
08 33 26 00-0018 EA 4' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift ..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	2,960.98 352.71 286.47 355.01	213.52
08 33 26 00-0019 EA 6' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift ..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	3,039.89 364.55 429.68 520.70	213.52
08 33 26 00-0020 EA 8' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift ..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	3,701.97 440.80 572.90 686.38	266.89
08 33 26 00-0021 EA 12' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift ..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	4,888.19 618.73 859.34 1,017.75	266.89
08 33 26 00-0022 EA 16' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift ..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	6,842.30 843.04 1,145.82 1,414.97	427.03
08 33 26 00-0023 EA 20' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift ..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	8,637.69 1,067.34 1,432.29 1,812.18	533.79
08 33 26 00-0024 EA 24' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift ..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	10,472.94 1,296.64 1,718.75 1,916.14	640.54
08 33 26 00-0025 EA 30' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift ..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	13,052.02 1,623.35 1,991.78 2,087.65	782.89
08 33 26 00-0026 EA 4' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift ..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	3,448.57 425.85 334.07 656.64	213.52
08 33 26 00-0027 EA 6' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift ..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	3,980.93 505.71 501.22 806.27	213.52

**08 Openings****08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 33 26 00-0028	EA	8' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	4,670.62	266.89
		<i>For Lexan Lattice Pattern, Add</i>	586.44	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	668.34	
		<i>For Staggered Brick Pattern, Add</i>	938.84	
08 33 26 00-0029	EA	12' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	5,788.93	266.89
		<i>For Lexan Lattice Pattern, Add</i>	754.18	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,002.60	
		<i>For Staggered Brick Pattern, Add</i>	1,190.51	
08 33 26 00-0030	EA	16' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	7,772.19	427.03
		<i>For Lexan Lattice Pattern, Add</i>	982.52	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,336.81	
		<i>For Staggered Brick Pattern, Add</i>	1,592.69	
08 33 26 00-0031	EA	20' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	9,594.47	533.79
		<i>For Lexan Lattice Pattern, Add</i>	1,210.86	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,671.00	
		<i>For Staggered Brick Pattern, Add</i>	1,994.87	
08 33 26 00-0032	EA	24' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	11,466.32	640.54
		<i>For Lexan Lattice Pattern, Add</i>	1,445.65	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	2,005.21	
		<i>For Staggered Brick Pattern, Add</i>	2,262.40	
08 33 26 00-0033	EA	30' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	14,670.35	782.89
		<i>For Lexan Lattice Pattern, Add</i>	1,866.10	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	2,367.17	
		<i>For Staggered Brick Pattern, Add</i>	2,584.90	

**08 33 26 00-0034 Coiling Grilles Accessories (08 33 26)**

08 33 26 00-0035	LF	For Overhead Framed Rolling Grille Supports.....	122.46	
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**08 33 36 Side Coiling Grilles (08 33)****08 33 36 00-0001 Galvanized Steel Side Coiling Grilles (Width x Height) (08 33 36)**

08 33 36 00-0002	EA	12' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated .....	4,041.28	597.03
		<i>For Lexan Lattice Pattern, Add</i>	350.30	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	572.92	
		<i>For Staggered Brick Pattern, Add</i>	624.87	
08 33 36 00-0003	EA	18' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated .....	5,620.14	766.92
		<i>For Lexan Lattice Pattern, Add</i>	514.33	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	878.80	
		<i>For Staggered Brick Pattern, Add</i>	1,000.84	
08 33 36 00-0004	EA	24' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated .....	7,266.50	967.02
		<i>For Lexan Lattice Pattern, Add</i>	675.54	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,145.84	
		<i>For Staggered Brick Pattern, Add</i>	1,279.60	
08 33 36 00-0005	EA	30' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated .....	8,680.96	1,067.58
		<i>For Lexan Lattice Pattern, Add</i>	844.43	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,327.14	
		<i>For Staggered Brick Pattern, Add</i>	1,395.57	
08 33 36 00-0006	EA	12' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated .....	4,861.91	680.71
		<i>For Lexan Lattice Pattern, Add</i>	437.57	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	716.15	
		<i>For Staggered Brick Pattern, Add</i>	823.14	
08 33 36 00-0007	EA	18' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated .....	6,788.03	874.29
		<i>For Lexan Lattice Pattern, Add</i>	643.30	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,054.70	
		<i>For Staggered Brick Pattern, Add</i>	1,249.92	
08 33 36 00-0008	EA	24' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated .....	8,676.92	1,102.04
		<i>For Lexan Lattice Pattern, Add</i>	829.08	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,432.47	
		<i>For Staggered Brick Pattern, Add</i>	1,675.56	
08 33 36 00-0009	EA	30' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated .....	10,526.41	1,217.04
		<i>For Lexan Lattice Pattern, Add</i>	1,055.23	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,677.21	
		<i>For Staggered Brick Pattern, Add</i>	1,877.00	
08 33 36 00-0010	EA	12' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated .....	5,692.81	766.92
		<i>For Lexan Lattice Pattern, Add</i>	525.23	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	859.34	
		<i>For Staggered Brick Pattern, Add</i>	1,017.75	
08 33 36 00-0011	EA	18' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated .....	7,962.50	985.02
		<i>For Lexan Lattice Pattern, Add</i>	770.73	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,268.84	
		<i>For Staggered Brick Pattern, Add</i>	1,551.81	
08 33 36 00-0012	EA	24' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated .....	10,285.78	1,241.95
		<i>For Lexan Lattice Pattern, Add</i>	1,013.31	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,718.75	
		<i>For Staggered Brick Pattern, Add</i>	1,916.14	
08 33 36 00-0013	EA	30' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated .....	12,360.85	1,370.06
		<i>For Lexan Lattice Pattern, Add</i>	1,266.64	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,991.78	
		<i>For Staggered Brick Pattern, Add</i>	2,087.65	
08 33 36 00-0014	EA	12' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated .....	6,515.01	847.96
		<i>For Lexan Lattice Pattern, Add</i>	614.13	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,002.60	
		<i>For Staggered Brick Pattern, Add</i>	1,190.51	
08 33 36 00-0015	EA	18' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated .....	9,136.09	1,088.93
		<i>For Lexan Lattice Pattern, Add</i>	899.70	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,450.13	
		<i>For Staggered Brick Pattern, Add</i>	1,724.17	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 36 00-0016 EA 24' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated ..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	11,791.88 1,182.20 2,005.21 2,262.40	1,372.90
08 33 36 00-0017 EA 30' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated ..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	14,176.79 1,476.98 2,367.17 2,584.90	1,515.95
<b>08 33 43 Overhead Coiling Smoke Curtains (08 33)</b>		
<b>08 33 43 00-0001 Elevator Smoke Guard (08 33 43)</b>		
08 33 43 00-0002 EA Elevator Smoke Guard, 55" Width Housing (Smoke Guard 400).....	12,441.66	597.03
08 33 43 00-0003 EA Elevator Smoke Guard, 64" Width Housing (Smoke Guard 400).....	12,896.13	597.03
08 33 43 00-0004 EA Elevator Smoke Guard, 73" Width Housing (Smoke Guard 400).....	13,350.61	597.03
<b>08 34 Special Function Doors (08 30)</b>		
<b>08 34 13 Cold Storage Doors (08 34)</b>		
<b>08 34 13 00-0001 Vertical Sliding Cold Storage Doors (08 34 13)</b> Note: Doors to be filled with foamed-in-place polyurethane.		
08 34 13 00-0002 EA 7'-0" x 8'-0" Single Leaf Vertical Sliding Cold Storage, Filled With 4" Foam In Place (FIP) Polyurethane ..... <i>For Adjusting Height Of Door To Fit Opening &lt;7' Height, Add</i>	6,796.67 431.10	863.89
08 34 13 00-0003 EA 7'-0" x 9'-0" Bi-Pass Vertical Sliding Cold Storage Door, Filled With 4" Foam In Place (FIP) Polyurethane ..... <i>For Adjusting Height Of Door To Fit Opening &lt;7' Height, Add</i>	8,718.67 548.36	1,096.72
<b>08 34 13 00-0004 Horizontal Sliding Cold Storage Doors (08 34 13)</b> Note: Doors to be filled with foamed-in-place polyurethane.		
08 34 13 00-0005 EA 6'-0" x 9'-0" Single Leaf Horizontal Sliding Cold Storage, Filled With 4" Foam In Place (FIP) Polyurethane .....	5,459.53	689.95
08 34 13 00-0006 EA 7'-0" x 9'-0" Single Leaf Horizontal Sliding Cold Storage, Filled With 4" Foam In Place (FIP) Polyurethane .....	6,153.07	778.01
08 34 13 00-0007 EA 7'-0" x 9'-0" Bi-Parting Horizontal Sliding Cold Storage, Filled With 4" Foam In Place (FIP) Polyurethane .....	7,954.27	1,025.32
08 34 13 00-0008 EA 5'-0" x 7'-0" Single Leaf Horizontal Sliding Cold Storage, Filled With 4" Foam In Place (FIP) Polyurethane .....	4,760.38	626.88
<b>08 34 13 00-0009 Swinging Horizontal Hinged Cold Storage Doors (08 34 13)</b> Note: Doors to be filled with foamed-in-place polyurethane.		
08 34 13 00-0010 EA 3'-0" x 7'-0" Swinging Cold Storage Door, Filled With 4" Foam In Place (FIP) Polyurethane.....	2,735.80	407.76
<b>08 34 16 Hangar Doors (08 34)</b>		
08 34 16 00-0001 SF 70' To 120' Wide X To 20' High Hanger Door 25' Panels..... Note: Includes motorized opener and special hardware.	81.41	16.94
08 34 16 00-0002 SF 120' To 180' Wide X To 20' High Hanger Door 25' Panels..... Note: Includes motorized opener and special hardware.	72.15	16.94
08 34 16 00-0003 SF 120' To 180' Wide X 20-40' High Hanger Door 25' Panels..... Note: Includes motorized opener and special hardware.	77.44	3.63
08 34 16 00-0004 SF 120' To 180' Wide X 40-60' High Hanger Door 25' Panels..... Note: Includes motorized opener and special hardware.	84.29	2.42
08 34 16 00-0005 SF 120' To 180' Wide X 60-80' High Hanger Door 25' Panels..... Note: Includes motorized opener and special hardware.	90.77	2.42
08 34 16 00-0006 SF 120' To 180' Wide x >80' High Hanger Door 25' Panels..... Note: Includes motorized opener and special hardware.	144.72	2.42
<b>08 34 23 Sidewalk and Basement Doors (08 34)</b>		
<b>08 34 23 00-0001 Drainage Doors (08 34 23)</b>		
<b>08 34 23 00-0002 Single Leaf Aluminum Drainage Doors (08 34 23 00-0001)</b> Note: Bilco - J Series.		
08 34 23 00-0003 EA 2' x 2' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door .....	1,156.31	197.77
08 34 23 00-0004 EA 2' 6" x 2' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	1,415.31	206.65
08 34 23 00-0005 EA 3' x 2' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	1,501.42	211.09
08 34 23 00-0006 EA 3' x 3' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door .....	1,652.59	215.53
08 34 23 00-0007 EA 3' 6" x 3' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	1,922.13	226.64
08 34 23 00-0008 EA 2' 6" x 4' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	1,957.72	221.41
08 34 23 00-0009 EA 3' x 4' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	2,175.02	226.64
08 34 23 00-0010 EA 2' 6" x 5' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	2,269.51	231.86
08 34 23 00-0011 EA 3' x 5' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	2,486.83	237.07
08 34 23 00-0012 EA 3' x 6' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door .....	2,882.54	250.39
<b>08 34 23 00-0013 Double Leaf Aluminum Drainage Doors (08 34 23 00-0001)</b> Note: Bilco - JD Series.		
08 34 23 00-0014 EA 4' x 2' 6" Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door .....	2,318.99	221.41
08 34 23 00-0015 EA 4' x 4' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	2,436.25	237.07
08 34 23 00-0016 EA 4' x 6' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	3,083.17	263.73
08 34 23 00-0017 EA 5' x 5' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	3,169.87	263.73
<b>08 34 23 00-0018 Single Leaf Aluminum H2O Drainage Doors (08 34 23 00-0001)</b> Note: Bilco - J H2O Series.		
08 34 23 00-0019 EA 2' x 2' Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door.....	1,828.26	197.77

**08 Openings**  
**08 30 Specialty Doors and Frames**  
**08 34 Special Function Doors**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 34 23 00-0020	EA	2' 6" x 2' 6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door .....	2,130.62		206.65
08 34 23 00-0021	EA	3' x 2' 6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door.....	2,317.92		211.09
08 34 23 00-0022	EA	3' x 3' Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door .....	2,620.83		215.53
08 34 23 00-0023	EA	3' 6" x 3' 6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door .....	3,027.65		226.64
<b>08 34 23 00-0024</b>		<b>Double Leaf Aluminum H2O Drainage Doors (08 34 23 00-0001)</b>			
		Note: Bilco - JD H2O Series.			
08 34 23 00-0025	EA	4' x 2' 6" Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door .....	3,027.08		221.41
08 34 23 00-0026	EA	4' x 4' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door .....	4,040.28		237.07
08 34 23 00-0027	EA	4' x 6' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door .....	5,734.87		263.73
08 34 23 00-0028	EA	5' x 5' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door .....	5,402.51		263.73
<b>08 34 23 00-0029</b>		<b>Single Leaf Steel Drainage Doors (08 34 23 00-0001)</b>			
		Note: Bilco - J Series.			
08 34 23 00-0030	EA	2' x 2' Single Leaf Steel Floor, Vault Or Sidewalk Door .....	1,655.12		197.77
08 34 23 00-0031	EA	2' 6" x 2' 6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door .....	1,738.90		206.65
08 34 23 00-0032	EA	3' x 2' 6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door.....	1,936.75		211.09
08 34 23 00-0033	EA	3' x 3' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door .....	2,144.70		215.53
08 34 23 00-0034	EA	3' 6" x 3' 6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door .....	2,493.45		226.64
08 34 23 00-0035	EA	2' 6" x 4' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door.....	2,374.99		221.41
08 34 23 00-0036	EA	3' x 4' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door.....	2,704.80		226.64
08 34 23 00-0037	EA	2' 6" x 5' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door.....	2,692.46		231.86
08 34 23 00-0038	EA	3' x 5' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door.....	3,002.16		237.07
08 34 23 00-0039	EA	3' x 6' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door.....	3,203.30		250.39
<b>08 34 23 00-0040</b>		<b>Double Leaf Steel Drainage Doors (08 34 23 00-0001)</b>			
		Note: Bilco - JD Series.			
08 34 23 00-0041	EA	4' x 2' 6" Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door .....	2,918.44		221.41
08 34 23 00-0042	EA	4' x 4' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door.....	3,062.54		237.07
08 34 23 00-0043	EA	4' x 6' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door.....	3,817.07		263.73
08 34 23 00-0044	EA	5' x 5' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door.....	3,927.77		263.73
<b>08 34 23 00-0045</b>		<b>Single Leaf Steel H2O Drainage Doors (08 34 23 00-0001)</b>			
		Note: Bilco - J H2O Series.			
08 34 23 00-0046	EA	2' x 2' Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door.....	2,822.53		197.77
08 34 23 00-0047	EA	2' 6" x 2' 6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door .....	2,986.83		206.65
08 34 23 00-0048	EA	3' x 2' 6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door .....	3,094.14		211.09
08 34 23 00-0049	EA	3' x 3' Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door.....	3,644.26		215.53
08 34 23 00-0050	EA	3' 6" x 3' 6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door .....	4,294.93		226.64
<b>08 34 23 00-0051</b>		<b>Double Leaf Steel H2O Drainage Doors (08 34 23 00-0001)</b>			
		Note: Bilco - JD H2O Series.			
08 34 23 00-0052	EA	4' x 2' 6" Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door.....	4,729.94		221.41
08 34 23 00-0053	EA	4' x 4' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door .....	5,286.66		237.07
08 34 23 00-0054	EA	4' x 6' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door .....	7,852.69		263.73
08 34 23 00-0055	EA	5' x 5' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door .....	7,651.41		263.73
<b>08 34 23 00-0056</b>		<b>Single Leaf Aluminum Drainage Door (08 34 23 00-0001)</b>			
		Note: Bilco - J-R (Odor Resistant).			
08 34 23 00-0057	EA	2' x 2' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant .....	1,960.03		197.77
08 34 23 00-0058	EA	2' 6" x 2' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant.....	2,339.19		206.65
08 34 23 00-0059	EA	3' x 2' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant.....	2,484.67		211.09
08 34 23 00-0060	EA	3' x 3' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant .....	2,632.86		215.53
08 34 23 00-0061	EA	3' 6" x 3' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant.....	2,985.96		226.64
<b>08 34 23 00-0062</b>		<b>Non-Drainage Doors (08 34 23)</b>			
<b>08 34 23 00-0063</b>		<b>Single Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062)</b>			
		Note: Bilco - Q Series.			
08 34 23 00-0064	EA	2' x 2' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door.....	1,113.04		197.77
08 34 23 00-0065	EA	2' 6" x 2' 6" Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door .....	1,343.06		206.65
08 34 23 00-0066	EA	3' x 2' 6" Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door .....	1,436.47		211.09
08 34 23 00-0067	EA	3' x 3' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door.....	1,493.68		215.53
08 34 23 00-0068	EA	3' 6" x 3' 6" Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door .....	1,871.55		226.64
08 34 23 00-0069	EA	2' 6" x 4' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door .....	1,690.43		221.41
08 34 23 00-0070	EA	3' x 4' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door.....	1,886.00		226.64
08 34 23 00-0071	EA	2' 6" x 5' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door .....	2,110.43		231.86
08 34 23 00-0072	EA	3' x 5' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door.....	2,234.03		237.07
08 34 23 00-0073	EA	3' x 6' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door.....	2,536.03		250.39
<b>08 34 23 00-0074</b>		<b>Single Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062)</b>			
		Note: Bilco - K Series.			
08 34 23 00-0075	EA	2' x 2' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door.....	917.96		197.77
08 34 23 00-0076	EA	2' 6" x 2' 6" Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door .....	1,097.39		206.65
08 34 23 00-0077	EA	3' x 2' 6" Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door .....	1,212.48		211.09
08 34 23 00-0078	EA	3' x 3' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door.....	1,291.37		215.53
08 34 23 00-0079	EA	3' 6" x 3' 6" Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door.....	1,495.84		226.64



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>08 34 23 00-0080 Double Leaf Aluminum Non-Drainage Doors</b> (08 34 23 00-0062)					
Note: Bilco - QD Series.					
08 34 23 00-0081	EA		4' x 2'-6" Double Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door.....	2,138.40	221.41
<b>08 34 23 00-0082 Double Leaf Aluminum Non-Drainage Doors</b> (08 34 23 00-0062)					
Note: Bilco - KD Series.					
08 34 23 00-0083	EA		4' x 4' Double Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door.....	2,053.40	237.07
08 34 23 00-0084	EA		4' x 6' Double Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door.....	2,873.75	263.73
08 34 23 00-0085	EA		5' x 5' Double Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door.....	2,931.55	263.73
<b>08 34 23 00-0086 Single Leaf Aluminum Non-Drainage Doors</b> (08 34 23 00-0062)					
Note: Bilco - T Series.					
08 34 23 00-0087	EA		2' x 2' Single Leaf Aluminum Non Drainage Door, Floor Installation For Covering.....	1,004.66	197.77
08 34 23 00-0088	EA		2'-6" x 2'-6" Single Leaf Aluminum Non Drainage Door, Floor Installation For Covering.....	1,169.65	206.65
08 34 23 00-0089	EA		3' x 2' 6" Single Leaf Aluminum Non Drainage Door, Floor Installation For Covering.....	1,248.61	211.09
08 34 23 00-0090	EA		3' x 3' Single Leaf Aluminum Non Drainage Door, Floor Installation For Covering.....	1,363.62	215.53
08 34 23 00-0091	EA		3'-6" x 3'-6" Single Leaf Aluminum Non Drainage Door, Floor Installation For Covering.....	1,589.77	226.64
<b>08 34 23 00-0092 Double Leaf Aluminum Non-Drainage Doors</b> (08 34 23 00-0062)					
Note: Bilco - TD Series.					
08 34 23 00-0093	EA		4' x 4' Double Leaf Aluminum Non Drainage Door, Floor Installation For Covering.....	2,176.23	237.07
08 34 23 00-0094	EA		4' x 6' Double Leaf Aluminum Non Drainage Door, Floor Installation For Covering.....	3,025.48	263.73
08 34 23 00-0095	EA		5' x 5' Double Leaf Aluminum Non Drainage Door, Floor Installation For Covering.....	3,068.83	263.73
<b>08 34 23 00-0096 Single Leaf Steel Non-Drainage Doors</b> (08 34 23 00-0062)					
Note: Bilco - Q Series.					
08 34 23 00-0097	EA		2' x 2' Single Leaf Steel Non Drainage Floor, Vault Or Sidewalk Door.....	1,131.88	197.77
08 34 23 00-0098	EA		2'-6" x 2'-6" Single Leaf Steel Non Drainage Floor, Vault Or Sidewalk Door.....	1,265.90	206.65
08 34 23 00-0099	EA		3' x 2'-6" Single Leaf Steel Non Drainage Floor, Vault Or Sidewalk Door.....	1,423.57	211.09
08 34 23 00-0100	EA		3' x 3' Single Leaf Steel Non Drainage Floor, Vault Or Sidewalk Door.....	1,510.71	215.53
<b>08 34 23 00-0101 Double Leaf Steel Non-Drainage Doors</b> (08 34 23 00-0062)					
Note: Bilco - QD Series.					
08 34 23 00-0102	EA		4' x 2' 6" Double Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door.....	2,284.42	221.41
<b>08 34 23 00-0103 Basement Doors</b> (08 34 23)					
Note: 12 gauge primed steel, center opening, includes assembly and installation hardware.					
08 34 23 00-0104	EA		45-1/4" Wide x 65-1/4" Long, Sloped Wall Basement Door, Factory Primed Metal (Bilco Classic Series).....	1,553.10	249.84
08 34 23 00-0105	EA		30" High x 47" Wide x 58" Long, Basement Door (Bilco Classic Series).....	1,294.46	189.32
08 34 23 00-0106	EA		22" High x 51" Wide x 64" Long, Basement Door (Bilco Classic Series).....	1,346.32	208.20
08 34 23 00-0107	EA		19-1/2" High x 55" Wide x 72" Long, Basement Door (Bilco Classic Series).....	1,438.53	222.08
08 34 23 00-0108	EA		52" High x 51" Wide x 43-1/4" Long, Basement Door (Bilco Classic Series).....	1,592.66	249.84
<b>08 34 49 Radiation Shielding Doors and Frames</b> (08 34)					
<b>08 34 49 13 Neutron Shielding Doors and Frames</b> (08 34 49)					
<b>08 34 49 13-0001 Lead Lined Doors And Frames</b> (08 34 49 13)					
08 34 49 13-0002	SF		1/16" Thick Laminated Lead In Wood Door.....	120.79	11.11
08 34 49 13-0003	SF		1/8" Thick Laminated Lead In Wood Door.....	148.70	11.11
08 34 49 13-0004	LF		1/16" Thick Lead Lined Door Frame.....	131.65	11.11
08 34 49 13-0005	LF		1/8" Thick Lead Lined Door Frame.....	140.95	11.11
<b>08 34 53 Security Doors and Frames</b> (08 34)					
<b>08 34 53 00-0001 Metal Security Doors, Bullet Resistant</b> (08 34 53)					
Note: Includes door, frame, hardware hinges, lockset and cylinder, all UL 753 Listed.					
08 34 53 00-0002	SF		Metal Security Door.....	65.35	8.34
08 34 53 00-0003	EA		Up To 3' x 7' (.38 caliber) Medium-Small Arms Metal Security Door.....	2,667.16	416.35
08 34 53 00-0004	EA		Up To 3' x 7' (.44 caliber) Super-Small Arms Metal Security Door.....	3,155.22	441.97
<b>08 34 53 00-0005 Metal Security Doors</b> (08 34 53)					
Note: Includes standard pitcher handle latch, pneumatic closure, hinges and baked enamel finish.					
08 34 53 00-0006	EA		Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-501-28-O).....	957.60	76.25
Note: Top and bottom section are #12 mesh 0.028" stainless steel wire cloth with a bottom kick plate.					
08 34 53 00-0007	EA		Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-503-28-O).....	957.60	76.25
Note: Top section is #12 mesh 0.028" stainless steel wire cloth and bottom section is a double kick panel.					
08 34 53 00-0008	EA		Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-504-28-O).....	1,360.16	76.25
Note: Top section includes 1/8" tempered sash unit and #12 mesh 0.028" stainless steel wire cloth. Bottom section is a double kick panel.					
<b>08 34 56 Security Gates</b> (08 34)					
<b>08 34 56 00-0001 Pivoting Double Folding Gate</b> (08 34 56)					
Note: Includes locking bar, solid steel casters and galvanized finish. Excludes padlock.					

**08 Openings**  
**08 30 Specialty Doors and Frames**  
**08 34 Special Function Doors**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 34 56 00-0002	EA	6' To 8' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,087.17	211.48
08 34 56 00-0003	EA	8' To 10' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,220.55	237.91
08 34 56 00-0004	EA	8' To 10' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate	1,313.67	264.35
08 34 56 00-0005	EA	8' To 10' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate	1,447.04	290.78
08 34 56 00-0006	EA	10' To 12' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,233.20	214.12
08 34 56 00-0007	EA	10' To 12' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate	1,326.55	240.56
08 34 56 00-0008	EA	10' To 12' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,454.57	266.99
08 34 56 00-0009	EA	10' To 12' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate	1,553.57	293.42
08 34 56 00-0010	EA	12' To 14' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate	1,298.85	216.76
08 34 56 00-0011	EA	12' To 14' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,391.91	243.20
08 34 56 00-0012	EA	12' To 14' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate	1,468.74	256.41
08 34 56 00-0013	EA	12' To 14' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,545.87	269.64
08 34 56 00-0014	EA	12' To 14' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate	1,649.08	296.06
08 34 56 00-0015	EA	14' To 16' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate	1,425.01	219.41
08 34 56 00-0016	EA	14' To 16' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,517.76	245.84
08 34 56 00-0017	EA	14' To 16' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate	1,604.59	259.06
08 34 56 00-0018	EA	14' To 16' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,712.46	272.28
08 34 56 00-0019	EA	14' To 16' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate	1,865.44	298.71
08 34 56 00-0020	EA	16' To 18' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate	1,616.89	224.69
08 34 56 00-0021	EA	16' To 18' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,734.94	253.77
08 34 56 00-0022	EA	16' To 18' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate	1,867.23	269.64
08 34 56 00-0023	EA	16' To 18' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,944.61	277.57

**08 34 56 00-0024 Pivoting Single Folding Gate (08 34 56)**

Note: Includes locking bar, solid steel casters and galvanized finish. Excludes padlock.

08 34 56 00-0025	EA	5' To 6' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate	738.89	148.03
08 34 56 00-0026	EA	5' To 6' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	789.72	153.32
08 34 56 00-0027	EA	5' To 6' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate	840.54	158.60
08 34 56 00-0028	EA	5' To 6' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	901.97	169.18
08 34 56 00-0029	EA	5' To 6' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate	943.24	179.75
08 34 56 00-0030	EA	6' To 7' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate	789.56	153.32
08 34 56 00-0031	EA	6' To 7' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	840.61	158.60
08 34 56 00-0032	EA	6' To 7' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate	891.45	163.90
08 34 56 00-0033	EA	6' To 7' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	952.80	174.47
08 34 56 00-0034	EA	6' To 7' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate	994.33	185.04
08 34 56 00-0035	EA	7' To 8' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate	860.51	158.60
08 34 56 00-0036	EA	7' To 8' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	911.58	163.90
08 34 56 00-0037	EA	7' To 8' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate	962.33	169.18
08 34 56 00-0038	EA	7' To 8' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	1,023.87	179.75
08 34 56 00-0039	EA	7' To 8' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate	1,085.51	190.33

**08 34 56 00-0040 Window Gates, Expands From 2' To 4' (08 34 56)**

Note: Includes padlock hasp and galvanized finish. Excludes padlock.

08 34 56 00-0041	EA	33" High Window Gate, Up To 4' Wide Opening	300.05	58.16
08 34 56 00-0042	EA	37" High Window Gate, Up To 4' Wide Opening	310.63	63.45
08 34 56 00-0043	EA	40" High Window Gate, Up To 4' Wide Opening	310.63	63.45
08 34 56 00-0044	EA	43" High Window Gate, Up To 4' Wide Opening	321.99	68.73
08 34 56 00-0045	EA	46" High Window Gate, Up To 4' Wide Opening	321.99	68.73
08 34 56 00-0046	EA	49" High Window Gate, Up To 4' Wide Opening	332.56	74.02
08 34 56 00-0047	EA	51" High Window Gate, Up To 4' Wide Opening	332.57	74.02
08 34 56 00-0048	EA	53" High Window Gate, Up To 4' Wide Opening	343.13	79.30
08 34 56 00-0049	EA	55" High Window Gate, Up To 4' Wide Opening	343.13	79.30
08 34 56 00-0050	EA	57" High Window Gate, Up To 4' Wide Opening	353.71	84.59
08 34 56 00-0051	EA	59" High Window Gate, Up To 4' Wide Opening	353.71	84.59

**08 34 56 00-0052 Pivoting Door Gate, Expands From 2' To 4' (08 34 56)**

Note: Includes padlock hasp and galvanized finish. Excludes padlock.

08 34 56 00-0053	EA	61" High Pivoting Door Gate, Up To 4' Wide Opening	364.29	89.88
08 34 56 00-0054	EA	63" High Pivoting Door Gate, Up To 4' Wide Opening	366.75	89.88
08 34 56 00-0055	EA	66" High Pivoting Door Gate, Up To 4' Wide Opening	380.58	95.17
08 34 56 00-0056	EA	71" High Pivoting Door Gate, Up To 4' Wide Opening	394.41	100.45
08 34 56 00-0057	EA	73" High Pivoting Door Gate, Up To 4' Wide Opening	397.67	100.45
08 34 56 00-0058	EA	76" High Pivoting Door Gate, Up To 4' Wide Opening	411.51	105.74
08 34 56 00-0059	EA	79" High Pivoting Door Gate, Up To 4' Wide Opening	414.77	105.74
08 34 56 00-0060	EA	81" High Pivoting Door Gate, Up To 4' Wide Opening	427.59	111.02
08 34 56 00-0061	EA	83" High Pivoting Door Gate, Up To 4' Wide Opening	431.85	111.02

**08 34 73 Sound Control Door Assemblies (08 34)**

**08 34 73 13 Metal Sound Control Door Assemblies (08 34 73)**

**08 34 73 13-0001 Steel Acoustical Door Assembly (08 34 73 13)**

Note: Includes seal.

**08 34 73 13-0002 Steel Acoustical Doors (08 34 73 13-0001)**

Note: Includes hinges.

08 34 73 13-0003	EA	3' x 7', 14 Gauge, STC 50, Steel Acoustical Door (Unrated)	3,087.36	66.62
		For 60 Minutes Fire Rated, Add	178.44	
		For 3" x 33" Vision Lite, Add	1,239.90	
		For 20" x 64" Vision Lite, Add	1,326.83	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 34 73 13-0004	EA		3'-6" x 7', 14 Gauge, STC 52, Steel Acoustical Door (Unrated).....	3,271.35	69.40
			<i>For 60 Minutes Fire Rated, Add</i>	178.44	
			<i>For 3" x 33" Vision Lite, Add</i>	1,239.90	
			<i>For 20" x 64" Vision Lite, Add</i>	1,326.83	
08 34 73 13-0005	EA		4' x 7', 14 Gauge, STC 53, Steel Acoustical Door (Unrated).....	3,460.89	74.95
			<i>For 60 Minutes Fire Rated, Add</i>	178.44	
			<i>For 3" x 33" Vision Lite, Add</i>	1,239.90	
			<i>For 20" x 64" Vision Lite, Add</i>	1,326.83	
08 34 73 13-0006	PR		Pair 3' x 7', 14 Gauge, STC 50, Steel Acoustical Doors (Unrated) .....	6,161.39	126.59
			<i>For 1 Hour Fire Rated, Add</i>	356.87	
			<i>For 3" x 33" Windows, Add</i>	2,479.80	
			<i>For 20" x 64" Windows, Add</i>	2,653.67	

**08 34 73 13-0007 Steel Acoustical Door Frames (08 34 73 13-0001)**

08 34 73 13-0008	EA		3' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	2,537.17	111.04
08 34 73 13-0009	EA		3' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	2,602.75	111.04
08 34 73 13-0010	EA		3' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	2,668.33	111.04
08 34 73 13-0011	EA		3' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	2,733.91	111.04
08 34 73 13-0012	EA		3'-6" x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	2,901.01	122.15
08 34 73 13-0013	EA		3'-6" x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	2,974.21	122.15
08 34 73 13-0014	EA		3'-6" x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	3,039.79	122.15
08 34 73 13-0015	EA		3'-6" x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	3,121.13	122.15
08 34 73 13-0016	EA		4' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	3,270.51	127.69
08 34 73 13-0017	EA		4' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	3,336.09	127.69
08 34 73 13-0018	EA		4' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	3,401.67	127.69
08 34 73 13-0019	EA		4' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	3,474.88	127.69
08 34 73 13-0020	EA		6' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion.....	5,776.00	144.35
08 34 73 13-0021	EA		6' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion.....	5,838.53	144.35
08 34 73 13-0022	EA		6' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion.....	5,905.63	144.35
08 34 73 13-0023	EA		6' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion.....	5,974.26	144.35

**08 34 73 16 Wood Sound Control Door Assemblies (08 34 73)**

**08 34 73 16-0001 Wood Acoustical Door Assembly (08 34 73 16)**

Note: Includes the prefinished door, frame, hinges and seals.

08 34 73 16-0002	EA		3' x 7' x 1-3/4" Thick, STC 40, Wood Acoustical Door System (Unrated).....	3,111.03	199.87
08 34 73 16-0003	EA		3' x 7' x 1-3/4" Thick, STC 49, Wood Acoustical Door System (Unrated).....	4,254.85	199.87

**08 35 Folding Doors and Grilles (08 30)**

**08 35 13 Folding Doors (08 35)**

**08 35 13 13 Accordion Folding Doors (08 35 13)**

**08 35 13 13-0001 Accordion Folding Doors (08 35 13 13)**

Note: Includes track, fittings and hardware, complete.

08 35 13 13-0002	SF		Fire-Resistant, Vinyl Fabric Installed On Welded Steel Frames, Accordion Folding Door.....	80.06	11.11
08 35 13 13-0003	SF		1/32" Thick, Single Ply Vinyl, Accordion Folding Door.....	18.38	11.11
08 35 13 13-0004	SF		0.04" Thick, Fire-Resistant, Rigid Vinyl Panels, Accordion Folding Door.....	37.69	11.11
08 35 13 13-0005	SF		3/8" Thick, Fire-Resistant, Wood Veneer, Vinyl Or High Pressure Laminate, High Density Engineered Wood Core Panel, Accordion Folding Door.....	52.26	11.11

**08 36 Panel Doors (08 30)**

**08 36 13 Sectional Doors (08 36)**

Note: Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-0898 for forklift.

**08 36 13 00-0001 Sectional Wood Overhead Doors (Width x Height) (08 36 13)**

**08 36 13 00-0002 Wood Sectional Overhead Doors (08 36 13 00-0001)**

Note: Includes 1-3/4" door, tracks and hardware. Excludes frame.

08 36 13 00-0003	EA		8' x 8', Wood Sectional Door, Manual Lift.....	2,879.50	444.17
08 36 13 00-0004	EA		10' x 10', Wood Sectional Door, Manual Lift.....	3,579.45	493.02
08 36 13 00-0005	EA		12' x 12', Wood Sectional Door, Manual Lift.....	4,566.43	590.74
08 36 13 00-0006	EA		14' x 14', Wood Sectional Door, Manual Lift.....	6,577.93	684.02
08 36 13 00-0007	EA		12' x 16', Wood Sectional Door, Manual Lift.....	7,072.59	888.33
08 36 13 00-0008	EA		20' x 8', Wood Sectional Door, Manual Lift.....	6,742.16	1,110.41
08 36 13 00-0009	EA		20' x 16', Wood Sectional Door, Manual Lift.....	12,296.15	1,480.18

**08 36 13 00-0010 Residential Grade, Wood Sectional Overhead Doors (08 36 13 00-0001)**

Note: Includes 1-3/4" door, tracks and hardware. Excludes frame.

08 36 13 00-0011	EA		9' x 7', Residential Grade, Wood Sectional Door, Manual Lift.....	1,486.30	222.08
			<i>For Hardboard Face, Add</i>	115.00	
			<i>For Insulation, Add</i>	117.00	
			<i>For Motor Operator With Remote Controls, Add</i>	451.77	
			<i>For Each Glass Vision Panel In Door, Add</i>	50.00	

**08 Openings****08 30 Specialty Doors and Frames****08 36 Panel Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 36 13 00-0012	EA 16' x 7', Residential Grade, Wood Sectional Door, Manual Lift.....	2,342.01	222.08
	<i>For Hardboard Face, Add</i>	115.00	
	<i>For Insulation, Add</i>	117.00	
	<i>For Motor Operator With Remote Controls, Add</i>	484.79	
	<i>For Each Glass Vision Panel In Door, Add</i>	50.00	
08 36 13 00-0013	<b>Sectional Metal Overhead Doors (Width x Height) (08 36 13)</b>		
	Note: Includes tracks and all hardware.		
08 36 13 00-0014	<b>Galvanized Steel Sectional Overhead Doors (08 36 13 00-0013)</b>		
08 36 13 00-0015	<b>Non-Insulated, 24 Gauge Galvanized Steel Sectional Doors (08 36 13 00-0014)</b>		
	Note: Includes 2" door, tracks and hardware. Excludes frame.		
08 36 13 00-0016	EA 8' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	1,606.49	388.64
	<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	120.23	
	<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	207.30	
	<i>For Aluminum, Mill Finish, Add</i>	94.53	
	<i>For Aluminum, Anodized Finish, Add</i>	264.51	
08 36 13 00-0017	EA 8' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	1,889.37	444.17
	<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	145.15	
	<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	250.26	
	<i>For Aluminum, Mill Finish, Add</i>	114.12	
	<i>For Aluminum, Anodized Finish, Add</i>	319.33	
08 36 13 00-0018	EA 8' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,334.33	555.20
	<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	177.47	
	<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	305.98	
	<i>For Aluminum, Mill Finish, Add</i>	139.53	
	<i>For Aluminum, Anodized Finish, Add</i>	390.43	
08 36 13 00-0019	EA 10' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	1,812.84	444.17
	<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	134.05	
	<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	231.13	
	<i>For Aluminum, Mill Finish, Add</i>	105.39	
	<i>For Aluminum, Anodized Finish, Add</i>	294.92	
08 36 13 00-0020	EA 10' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,236.31	555.20
	<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	163.26	
	<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	281.48	
	<i>For Aluminum, Mill Finish, Add</i>	128.35	
	<i>For Aluminum, Anodized Finish, Add</i>	359.16	
08 36 13 00-0021	EA 10' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,820.51	721.77
	<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	199.66	
	<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	344.25	
	<i>For Aluminum, Mill Finish, Add</i>	156.98	
	<i>For Aluminum, Anodized Finish, Add</i>	439.26	
08 36 13 00-0022	EA 10' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,344.30	888.33
	<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	227.31	
	<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	391.91	
	<i>For Aluminum, Mill Finish, Add</i>	178.71	
	<i>For Aluminum, Anodized Finish, Add</i>	500.08	
08 36 13 00-0023	EA 12' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,171.89	555.20
	<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	153.91	
	<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	265.37	
	<i>For Aluminum, Mill Finish, Add</i>	121.01	
	<i>For Aluminum, Anodized Finish, Add</i>	338.61	
08 36 13 00-0024	EA 12' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,723.85	721.77
	<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	185.65	
	<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	320.08	
	<i>For Aluminum, Mill Finish, Add</i>	145.96	
	<i>For Aluminum, Anodized Finish, Add</i>	408.42	
08 36 13 00-0025	EA 12' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,326.83	888.33
	<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	224.77	
	<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	387.54	
	<i>For Aluminum, Mill Finish, Add</i>	176.72	
	<i>For Aluminum, Anodized Finish, Add</i>	494.50	
08 36 13 00-0026	EA 12' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,927.14	1,054.89
	<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	263.52	
	<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	454.34	
	<i>For Aluminum, Mill Finish, Add</i>	207.18	
	<i>For Aluminum, Anodized Finish, Add</i>	579.74	
08 36 13 00-0027	EA 12' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,692.18	1,276.97
	<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	310.04	
	<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	534.56	
	<i>For Aluminum, Mill Finish, Add</i>	243.76	
	<i>For Aluminum, Anodized Finish, Add</i>	682.10	
08 36 13 00-0028	EA 14' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,596.30	721.77
	<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	167.15	
	<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	288.19	
	<i>For Aluminum, Mill Finish, Add</i>	131.42	
	<i>For Aluminum, Anodized Finish, Add</i>	367.73	
08 36 13 00-0029	EA 14' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,193.92	888.33
	<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	205.50	
	<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	354.32	
	<i>For Aluminum, Mill Finish, Add</i>	161.57	
	<i>For Aluminum, Anodized Finish, Add</i>	452.11	
08 36 13 00-0030	EA 14' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,945.54	1,110.41
	<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	250.08	
	<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	431.18	
	<i>For Aluminum, Mill Finish, Add</i>	196.62	
	<i>For Aluminum, Anodized Finish, Add</i>	550.18	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0031	EA		14' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,548.52	1,276.97
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	289.21	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	498.65	
			<i>For Aluminum, Mill Finish, Add</i>	227.38	
			<i>For Aluminum, Anodized Finish, Add</i>	636.27	
08 36 13 00-0032	EA		14' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,222.67	1,443.53
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	338.66	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	583.90	
			<i>For Aluminum, Mill Finish, Add</i>	266.26	
			<i>For Aluminum, Anodized Finish, Add</i>	745.06	
08 36 13 00-0033	EA		16' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,146.92	888.33
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	198.69	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	342.57	
			<i>For Aluminum, Mill Finish, Add</i>	156.21	
			<i>For Aluminum, Anodized Finish, Add</i>	437.11	
08 36 13 00-0034	EA		16' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,895.86	1,110.41
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	242.88	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	418.76	
			<i>For Aluminum, Mill Finish, Add</i>	190.95	
			<i>For Aluminum, Anodized Finish, Add</i>	534.33	
08 36 13 00-0035	EA		16' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,574.02	1,276.97
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	292.91	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	505.02	
			<i>For Aluminum, Mill Finish, Add</i>	230.29	
			<i>For Aluminum, Anodized Finish, Add</i>	644.41	
08 36 13 00-0036	EA		16' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,424.06	1,443.53
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	367.86	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	634.25	
			<i>For Aluminum, Mill Finish, Add</i>	289.22	
			<i>For Aluminum, Anodized Finish, Add</i>	809.30	
08 36 13 00-0037	EA		16' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,312.64	1,665.61
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	432.30	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	745.35	
			<i>For Aluminum, Mill Finish, Add</i>	339.88	
			<i>For Aluminum, Anodized Finish, Add</i>	951.06	
08 36 13 00-0038	EA		18' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,999.26	1,110.41
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	257.87	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	444.61	
			<i>For Aluminum, Mill Finish, Add</i>	202.74	
			<i>For Aluminum, Anodized Finish, Add</i>	567.32	
08 36 13 00-0039	EA		18' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,759.32	1,276.97
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	319.78	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	551.35	
			<i>For Aluminum, Mill Finish, Add</i>	251.41	
			<i>For Aluminum, Anodized Finish, Add</i>	703.52	
08 36 13 00-0040	EA		18' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,719.43	1,443.53
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	410.69	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	708.09	
			<i>For Aluminum, Mill Finish, Add</i>	322.89	
			<i>For Aluminum, Anodized Finish, Add</i>	903.52	
08 36 13 00-0041	EA		18' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,609.36	1,665.61
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	475.33	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	819.53	
			<i>For Aluminum, Mill Finish, Add</i>	373.70	
			<i>For Aluminum, Anodized Finish, Add</i>	1,045.72	
08 36 13 00-0042	EA		18' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	7,582.52	1,887.70
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	552.03	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	951.78	
			<i>For Aluminum, Mill Finish, Add</i>	434.01	
			<i>For Aluminum, Anodized Finish, Add</i>	1,214.46	
08 36 13 00-0043	EA		20' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,548.52	1,276.97
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	289.21	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	498.65	
			<i>For Aluminum, Mill Finish, Add</i>	227.38	
			<i>For Aluminum, Anodized Finish, Add</i>	636.27	
08 36 13 00-0044	EA		20' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,308.60	1,443.53
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	351.12	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	605.38	
			<i>For Aluminum, Mill Finish, Add</i>	276.05	
			<i>For Aluminum, Anodized Finish, Add</i>	772.47	
08 36 13 00-0045	EA		20' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,505.98	1,665.61
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	460.34	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	793.68	
			<i>For Aluminum, Mill Finish, Add</i>	361.92	
			<i>For Aluminum, Anodized Finish, Add</i>	1,012.74	
08 36 13 00-0046	EA		20' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	7,395.90	1,887.70
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	524.97	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	905.12	
			<i>For Aluminum, Mill Finish, Add</i>	412.73	
			<i>For Aluminum, Anodized Finish, Add</i>	1,154.93	
08 36 13 00-0047	EA		20' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	9,045.74	2,109.78
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	699.79	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,206.54	
			<i>For Aluminum, Mill Finish, Add</i>	550.18	
			<i>For Aluminum, Anodized Finish, Add</i>	1,539.54	
08 36 13 00-0048	EA		22' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,072.29	1,443.53
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	316.86	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	546.31	
			<i>For Aluminum, Mill Finish, Add</i>	249.12	
			<i>For Aluminum, Anodized Finish, Add</i>	697.09	

**08 Openings****08 30 Specialty Doors and Frames****08 36 Panel Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

08 36 13 00-0049	EA 22' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	6,217.33	1,665.61
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	418.48	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	721.52	
	For Aluminum, Mill Finish, Add	329.01	
	For Aluminum, Anodized Finish, Add	920.66	
08 36 13 00-0050	EA 22' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	7,335.48	1,887.70
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	516.21	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	890.02	
	For Aluminum, Mill Finish, Add	405.85	
	For Aluminum, Anodized Finish, Add	1,135.66	
08 36 13 00-0051	EA 22' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	8,612.07	2,109.78
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	636.91	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	1,098.12	
	For Aluminum, Mill Finish, Add	500.74	
	For Aluminum, Anodized Finish, Add	1,401.20	
08 36 13 00-0052	EA 22' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	9,693.92	2,331.87
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	729.38	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	1,257.55	
	For Aluminum, Mill Finish, Add	573.44	
	For Aluminum, Anodized Finish, Add	1,604.64	
08 36 13 00-0053	EA 24' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	5,646.72	1,665.61
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	335.74	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	578.87	
	For Aluminum, Mill Finish, Add	263.96	
	For Aluminum, Anodized Finish, Add	738.63	
08 36 13 00-0054	EA 24' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	6,833.34	1,887.70
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	443.40	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	764.48	
	For Aluminum, Mill Finish, Add	348.60	
	For Aluminum, Anodized Finish, Add	975.48	
08 36 13 00-0055	EA 24' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	8,252.26	2,109.78
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	584.74	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	1,008.17	
	For Aluminum, Mill Finish, Add	459.72	
	For Aluminum, Anodized Finish, Add	1,286.42	
08 36 13 00-0056	EA 24' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	9,215.96	2,331.87
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	660.08	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	1,138.06	
	For Aluminum, Mill Finish, Add	518.96	
	For Aluminum, Anodized Finish, Add	1,452.17	
08 36 13 00-0057	EA 24' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	10,322.03	2,553.94
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	756.05	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	1,303.54	
	For Aluminum, Mill Finish, Add	594.41	
	For Aluminum, Anodized Finish, Add	1,663.31	

**08 36 13 00-0058 Insulated, 24 Gauge Galvanized Steel Sectional Doors** (08 36 13 00-0014)

Note: Includes 2" door with polystyrene insulation, 26 gauge interior cover, tracks and hardware. Excludes frame.

08 36 13 00-0059	EA 8' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	2,001.60	388.64
	For Aluminum, Mill Finish, Add	139.57	
	For Aluminum, Anodized Finish, Add	390.55	
	For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	153.04	
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	306.08	
	For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	795.80	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	1,530.39	
08 36 13 00-0060	EA 8' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	2,379.79	444.17
	For Aluminum, Mill Finish, Add	170.03	
	For Aluminum, Anodized Finish, Add	475.78	
	For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	186.43	
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	372.87	
	For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	969.45	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	1,864.33	
08 36 13 00-0061	EA 8' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	2,925.96	555.20
	For Aluminum, Mill Finish, Add	206.97	
	For Aluminum, Anodized Finish, Add	579.16	
	For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	226.94	
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	453.89	
	For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	1,180.11	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	2,269.44	
08 36 13 00-0062	EA 10' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	2,325.33	444.17
	For Aluminum, Mill Finish, Add	163.82	
	For Aluminum, Anodized Finish, Add	458.40	
	For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	179.63	
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	359.25	
	For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	934.05	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	1,796.25	
08 36 13 00-0063	EA 10' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	2,858.87	555.20
	For Aluminum, Mill Finish, Add	199.32	
	For Aluminum, Anodized Finish, Add	557.76	
	For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	218.56	
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	437.12	
	For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	1,136.50	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	2,185.58	
08 36 13 00-0064	EA 10' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	3,638.89	721.77
	For Aluminum, Mill Finish, Add	250.27	
	For Aluminum, Anodized Finish, Add	700.32	
	For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	274.42	
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	548.84	
	For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	1,426.98	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	2,744.20	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0065 EA 10' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,237.91	888.33
For Aluminum, Mill Finish, Add	280.58	
For Aluminum, Anodized Finish, Add	785.14	
For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	307.66	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	615.31	
For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	1,599.81	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	3,076.56	
08 36 13 00-0066 EA 12' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,756.32	555.20
For Aluminum, Mill Finish, Add	187.63	
For Aluminum, Anodized Finish, Add	525.05	
For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	205.74	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	411.48	
For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	1,069.84	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	2,057.39	
08 36 13 00-0067 EA 12' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,445.20	721.77
For Aluminum, Mill Finish, Add	228.19	
For Aluminum, Anodized Finish, Add	638.53	
For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	250.21	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	500.42	
For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	1,301.09	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	2,502.09	
08 36 13 00-0068 EA 12' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,203.73	888.33
For Aluminum, Mill Finish, Add	276.69	
For Aluminum, Anodized Finish, Add	774.24	
For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	303.38	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	606.77	
For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	1,577.60	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	3,033.84	
08 36 13 00-0069 EA 12' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,920.46	1,054.89
For Aluminum, Mill Finish, Add	320.42	
For Aluminum, Anodized Finish, Add	896.61	
For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	351.34	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	702.67	
For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	1,826.94	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	3,513.35	
08 36 13 00-0070 EA 12' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,972.33	1,276.97
For Aluminum, Mill Finish, Add	389.70	
For Aluminum, Anodized Finish, Add	1,090.47	
For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	427.30	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	854.60	
For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	2,221.95	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	4,272.99	
08 36 13 00-0071 EA 14' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,294.54	721.77
For Aluminum, Mill Finish, Add	211.02	
For Aluminum, Anodized Finish, Add	590.47	
For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	231.38	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	462.75	
For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	1,203.16	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	2,313.76	
08 36 13 00-0072 EA 14' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,083.45	888.33
For Aluminum, Mill Finish, Add	262.97	
For Aluminum, Anodized Finish, Add	735.87	
For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	288.35	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	576.70	
For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	1,499.41	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	2,883.49	
08 36 13 00-0073 EA 14' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,977.07	1,110.41
For Aluminum, Mill Finish, Add	314.21	
For Aluminum, Anodized Finish, Add	879.24	
For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	344.53	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	689.06	
For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	1,791.56	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	3,445.30	
08 36 13 00-0074 EA 14' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,855.84	1,276.97
For Aluminum, Mill Finish, Add	376.42	
For Aluminum, Anodized Finish, Add	1,053.31	
For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	412.74	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	825.48	
For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	2,146.24	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	4,127.38	
08 36 13 00-0075 EA 14' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,714.39	1,443.53
For Aluminum, Mill Finish, Add	436.31	
For Aluminum, Anodized Finish, Add	1,220.92	
For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	478.42	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	956.83	
For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	2,487.76	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	4,784.15	
08 36 13 00-0076 EA 16' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,953.05	888.33
For Aluminum, Mill Finish, Add	248.11	
For Aluminum, Anodized Finish, Add	694.27	
For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	272.05	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	544.10	
For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	1,414.65	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	2,720.49	
08 36 13 00-0077 EA 16' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,078.36	1,110.41
For Aluminum, Mill Finish, Add	325.76	
For Aluminum, Anodized Finish, Add	911.55	
For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	357.19	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	714.38	
For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	1,857.39	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	3,571.91	

**08 Openings****08 30 Specialty Doors and Frames****08 36 Panel Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 36 13 00-0078	EA	16' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,924.21	1,276.97
		<i>For Aluminum, Mill Finish, Add</i>	384.21	
		<i>For Aluminum, Anodized Finish, Add</i>	1,075.12	
		<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	421.28	
		<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	842.57	
		<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,190.68	
		<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,212.84	
08 36 13 00-0079	EA	16' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,775.15	1,443.53
		<i>For Aluminum, Mill Finish, Add</i>	443.24	
		<i>For Aluminum, Anodized Finish, Add</i>	1,240.30	
		<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	486.01	
		<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	972.02	
		<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,527.25	
		<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,860.10	
08 36 13 00-0080	EA	16' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	7,999.22	1,665.61
		<i>For Aluminum, Mill Finish, Add</i>	532.15	
		<i>For Aluminum, Anodized Finish, Add</i>	1,489.08	
		<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	583.50	
		<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,166.99	
		<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,034.18	
		<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	5,834.96	
08 36 13 00-0081	EA	18' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,587.12	1,110.41
		<i>For Aluminum, Mill Finish, Add</i>	269.76	
		<i>For Aluminum, Anodized Finish, Add</i>	754.85	
		<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	295.79	
		<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	591.57	
		<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,538.09	
		<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,957.86	
08 36 13 00-0082	EA	18' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,654.54	1,276.97
		<i>For Aluminum, Mill Finish, Add</i>	353.47	
		<i>For Aluminum, Anodized Finish, Add</i>	989.09	
		<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	387.58	
		<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	775.15	
		<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,015.39	
		<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,875.75	
08 36 13 00-0083	EA	18' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,552.32	1,443.53
		<i>For Aluminum, Mill Finish, Add</i>	417.84	
		<i>For Aluminum, Anodized Finish, Add</i>	1,169.21	
		<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	458.16	
		<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	916.31	
		<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,382.41	
		<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,581.56	
08 36 13 00-0084	EA	18' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	8,128.36	1,665.61
		<i>For Aluminum, Mill Finish, Add</i>	546.87	
		<i>For Aluminum, Anodized Finish, Add</i>	1,530.28	
		<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	599.64	
		<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,199.28	
		<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,118.12	
		<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	5,996.39	
08 36 13 00-0085	EA	18' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	8,925.76	1,887.70
		<i>For Aluminum, Mill Finish, Add</i>	587.14	
		<i>For Aluminum, Anodized Finish, Add</i>	1,642.96	
		<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	643.79	
		<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,287.59	
		<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,347.72	
		<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	6,437.93	
08 36 13 00-0086	EA	20' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,630.48	1,276.97
		<i>For Aluminum, Mill Finish, Add</i>	350.73	
		<i>For Aluminum, Anodized Finish, Add</i>	981.42	
		<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	384.57	
		<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	769.14	
		<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,999.75	
		<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,845.68	
08 36 13 00-0087	EA	20' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,608.04	1,443.53
		<i>For Aluminum, Mill Finish, Add</i>	424.19	
		<i>For Aluminum, Anodized Finish, Add</i>	1,186.99	
		<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	465.12	
		<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	930.24	
		<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,418.63	
		<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,651.21	
08 36 13 00-0088	EA	20' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	8,387.89	1,665.61
		<i>For Aluminum, Mill Finish, Add</i>	576.46	
		<i>For Aluminum, Anodized Finish, Add</i>	1,613.07	
		<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	632.08	
		<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,264.16	
		<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,286.82	
		<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	6,320.80	
08 36 13 00-0089	EA	20' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	9,157.44	1,887.70
		<i>For Aluminum, Mill Finish, Add</i>	613.55	
		<i>For Aluminum, Anodized Finish, Add</i>	1,716.86	
		<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	672.75	
		<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,345.51	
		<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,498.31	
		<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	6,727.53	
08 36 13 00-0090	EA	20' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	10,610.67	2,109.78
		<i>For Aluminum, Mill Finish, Add</i>	728.58	
		<i>For Aluminum, Anodized Finish, Add</i>	2,038.75	
		<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	798.88	
		<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,597.77	
		<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,154.20	
		<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	7,988.84	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0091 EA 22' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,191.50	1,443.53
For Aluminum, Mill Finish, Add	376.71	
For Aluminum, Anodized Finish, Add	1,054.11	
For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	413.05	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	826.11	
For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	2,147.88	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	4,130.54	
08 36 13 00-0092 EA 22' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	7,615.61	1,665.61
For Aluminum, Mill Finish, Add	488.42	
For Aluminum, Anodized Finish, Add	1,366.71	
For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	535.55	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	1,071.09	
For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	2,784.83	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	5,355.45	
08 36 13 00-0093 EA 22' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	9,018.19	1,887.70
For Aluminum, Mill Finish, Add	597.68	
For Aluminum, Anodized Finish, Add	1,672.44	
For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	655.35	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	1,310.69	
For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	3,407.80	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	6,553.46	
08 36 13 00-0094 EA 22' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	10,130.84	2,109.78
For Aluminum, Mill Finish, Add	673.88	
For Aluminum, Anodized Finish, Add	1,885.69	
For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	738.91	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	1,477.81	
For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	3,842.31	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	7,389.05	
08 36 13 00-0095 EA 22' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	11,533.35	2,331.87
For Aluminum, Mill Finish, Add	783.14	
For Aluminum, Anodized Finish, Add	2,191.42	
For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	858.71	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	1,717.41	
For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	4,465.27	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	8,587.05	
08 36 13 00-0096 EA 24' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,915.48	1,665.61
For Aluminum, Mill Finish, Add	408.60	
For Aluminum, Anodized Finish, Add	1,143.37	
For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	448.03	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	896.06	
For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	2,329.75	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	4,480.29	
08 36 13 00-0097 EA 24' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	8,480.12	1,887.70
For Aluminum, Mill Finish, Add	536.34	
For Aluminum, Anodized Finish, Add	1,500.80	
For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	588.09	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	1,176.18	
For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	3,058.06	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	5,880.88	
08 36 13 00-0098 EA 24' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	9,810.54	2,109.78
For Aluminum, Mill Finish, Add	637.37	
For Aluminum, Anodized Finish, Add	1,783.51	
For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	698.87	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	1,397.74	
For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	3,634.11	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	6,988.68	
08 36 13 00-0099 EA 24' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	11,215.58	2,331.87
For Aluminum, Mill Finish, Add	746.91	
For Aluminum, Anodized Finish, Add	2,090.05	
For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	818.98	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	1,637.97	
For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	4,258.72	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	8,189.84	
08 36 13 00-0100 EA 24' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	12,599.16	2,553.94
For Aluminum, Mill Finish, Add	854.01	
For Aluminum, Anodized Finish, Add	2,389.72	
For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	936.41	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	1,872.82	
For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	4,869.33	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	9,364.10	
<b>08 36 13 00-0101 Residential Grade, Galvanized Steel Sectional Overhead Doors</b> <small>(08 36 13 00-0013)</small>		
Note: Includes track and hardware. Excludes frame.		
08 36 13 00-0102 EA 9' x 7', Non Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift .....	911.53	222.08
For Aluminum And Fiberglass, Add	110.46	
For Each Glass Vision Panel In Door, Add	50.00	
For Insulated Door, Add	128.28	
08 36 13 00-0103 EA 9' x 8', Non Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift .....	975.47	222.08
For Aluminum And Fiberglass, Add	130.28	
For Each Glass Vision Panel In Door, Add	50.00	
For Insulated Door, Add	151.30	
08 36 13 00-0104 EA 16' x 7', Non Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift .....	1,223.07	254.06
For Aluminum And Fiberglass, Add	182.67	
For Each Glass Vision Panel In Door, Add	50.00	
For Insulated Door, Add	212.14	
08 36 13 00-0105 EA 16' x 8', Non Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift .....	1,323.55	254.06
For Aluminum And Fiberglass, Add	213.82	
For Each Glass Vision Panel In Door, Add	50.00	
For Insulated Door, Add	248.31	

**08 Openings**  
**08 30 Specialty Doors and Frames**  
**08 36 Panel Doors**

MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

		MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
						UNIT COST	UNIT COST
08 36 13 00-0106					<b>Removal And Reinstallation Of Sectional Metal Overhead Doors And Supports</b> (08 36 13 00-0103) Note: Includes storage, cleaning and supply materials.		
08 36 13 00-0107	SF				Removal And Reinstallation Of Sectional Metal Overhead Door And Supports.....	16.14	
08 36 13 00-0108					<b>Sectional Fiberglass Overhead Doors (Width x Height)</b> (08 36 13)		
08 36 13 00-0109					<b>Fiberglass Sectional Overhead Doors</b> (08 36 13 00-0108)		
08 36 13 00-0110					<b>Non-Insulated, Fiberglass Sectional Doors</b> (08 36 13 00-0109) Note: Includes 2" door, tracks and hardware. Excludes frame.		
08 36 13 00-0111	EA				8' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	2,606.08	388.64
08 36 13 00-0112	EA				8' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	3,093.00	444.17
08 36 13 00-0113	EA				8' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	3,660.97	555.20
08 36 13 00-0114	EA				10' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	3,056.90	444.17
08 36 13 00-0115	EA				10' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	3,646.09	499.69
08 36 13 00-0116	EA				10' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	4,549.13	694.01
08 36 13 00-0117	EA				10' x 14', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	5,457.55	888.33
08 36 13 00-0118	EA				12' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	3,609.83	555.20
08 36 13 00-0119	EA				12' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	4,528.08	694.01
08 36 13 00-0120	EA				12' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	5,433.97	832.81
08 36 13 00-0121	EA				12' x 14', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	6,615.12	1,110.41
08 36 13 00-0122	EA				12' x 16', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	7,693.06	1,332.50
08 36 13 00-0123	EA				14' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	4,384.60	777.29
08 36 13 00-0124	EA				14' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	5,331.23	888.33
08 36 13 00-0125	EA				14' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	6,506.85	1,110.41
08 36 13 00-0126	EA				14' x 14', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	7,681.03	1,332.50
08 36 13 00-0127	EA				14' x 16', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	8,636.46	1,443.53
08 36 13 00-0128	EA				16' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	4,979.32	888.33
08 36 13 00-0129	EA				16' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	5,995.85	999.37
08 36 13 00-0130	EA				16' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	7,253.05	1,221.46
08 36 13 00-0131	EA				16' x 14', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	8,495.10	1,443.53
08 36 13 00-0132	EA				16' x 16', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	9,515.11	1,554.57
08 36 13 00-0133					<b>Insulated, Fiberglass Sectional Doors</b> (08 36 13 00-0109) Note: Includes 2" door with polystyrene insulation, tracks and hardware. Excludes frame.		
08 36 13 00-0134	EA				8' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....	3,209.55	388.64
08 36 13 00-0135	EA				8' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....	3,820.54	444.17
08 36 13 00-0136	EA				8' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....	4,502.65	555.20
08 36 13 00-0137	EA				10' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....	3,772.53	444.17
08 36 13 00-0138	EA				10' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....	4,519.54	499.69
08 36 13 00-0139	EA				10' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....	5,592.31	694.01
08 36 13 00-0140	EA				10' x 14', Insulated, Fiberglass Sectional Door, Manual Lift.....	6,672.43	888.33
08 36 13 00-0141	EA				12' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....	4,434.64	555.20
08 36 13 00-0142	EA				12' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....	5,564.30	694.01
08 36 13 00-0143	EA				12' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....	6,677.63	832.81
08 36 13 00-0144	EA				12' x 14', Insulated, Fiberglass Sectional Door, Manual Lift.....	8,065.24	1,110.41
08 36 13 00-0145	EA				12' x 16', Insulated, Fiberglass Sectional Door, Manual Lift.....	9,352.61	1,332.50
08 36 13 00-0146	EA				14' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....	5,318.59	777.29
08 36 13 00-0147	EA				14' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....	6,504.42	888.33
08 36 13 00-0148	EA				14' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....	7,921.23	1,110.41
08 36 13 00-0149	EA				14' x 14', Insulated, Fiberglass Sectional Door, Manual Lift.....	9,336.61	1,332.50
08 36 13 00-0150	EA				14' x 16', Insulated, Fiberglass Sectional Door, Manual Lift.....	10,534.22	1,443.53
08 36 13 00-0151	EA				16' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....	6,036.39	888.33
08 36 13 00-0152	EA				16' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....	7,314.95	999.37
08 36 13 00-0153	EA				16' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....	8,840.14	1,221.46
08 36 13 00-0154	EA				16' x 14', Insulated, Fiberglass Sectional Door, Manual Lift.....	10,346.20	1,443.53
08 36 13 00-0155	EA				16' x 16', Insulated, Fiberglass Sectional Door, Manual Lift.....	11,629.25	1,554.57
08 36 13 00-0156					<b>Sectional Overhead Door Accessories</b> (08 36 13)		
08 36 13 00-0157					<b>Sectional Overhead Door Accessories</b> (08 36 13 00-0156)		
08 36 13 00-0158	LF				Molding, Draft Stop.....	4.61	
08 36 13 00-0159	LF				Weather Seal At Top Of Door For Sectional Overhead Doors.....	6.86	
08 36 13 00-0160	LF				Weather Strip At Door Bottom.....	3.54	
08 36 13 00-0161	EA				Cylinder Lock For Sectional Overhead Doors.....	437.84	
08 36 13 00-0162	EA				3/4 HP, Electric Chain Lift Operator For Sectional Overhead Doors..... Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.	2,193.49	
08 36 13 00-0163	SF				Up To 2 SF Per Window 1/8" Double Strength Glass (DSB) Glazing For Sectional Overhead Doors..... Note: Additional cost for factory supplied.	30.78	
08 36 13 00-0164	SF				>2 SF Per Window 1/8" Double Strength Glass (DSB) Glazing For Sectional Overhead Doors..... Note: Additional cost for factory supplied.	19.20	
08 36 13 00-0165	SF				Up To 2 SF Per Window 1/8" Plexiglas Glazing For Sectional Overhead Doors..... Note: Additional cost for factory supplied.	32.18	
08 36 13 00-0166	SF				>2 SF Per Window 1/8" Plexiglas Glazing For Sectional Overhead Doors..... Note: Additional cost for factory supplied.	21.94	
08 36 13 00-0167	SF				Up To 2 SF Per Window 3/4" Insulated Glazing For Sectional Overhead Doors..... Note: Additional cost for factory supplied.	51.76	
08 36 13 00-0168	SF				>2 SF Per Window 3/4" Insulated Glazing For Sectional Overhead Doors..... Note: Additional cost for factory supplied.	34.94	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 36 13 00-0169	EA		Vertical Lift Track For Sectional Overhead Doors Up To 12' High Door ..... Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.	509.57	
08 36 13 00-0170	EA		Vertical Lift Track For Sectional Overhead Doors >12' To 16' High Door ..... Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.	791.46	
08 36 13 00-0171	EA		Vertical Lift Track For Sectional Overhead Doors >16' To 20' High Door ..... Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.	1,183.62	
08 36 13 00-0172	SF		25,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors ..... Note: Additional cost for factory supplied/installed spring. Per SF of Door.	1.39	
08 36 13 00-0173	SF		50,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors ..... Note: Additional cost for factory supplied/installed spring. Per SF of Door.	1.78	
08 36 13 00-0174	SF		100,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors ..... Note: Additional cost for factory supplied/installed spring. Per SF of Door.	2.36	

**08 38 Traffic Doors** (08 30)

**08 38 13 Flexible Strip Doors** (08 38)

**08 38 13 00-0001 Clear Polyvinyl Chloride (PVC) Strip Doors** (08 38 13)

08 38 13 00-0002	SF		8" Smooth Strip, 0.080" Thick, 50% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door ..... For Cooler/Freezer Doors, USDA Grade, Add Note: Low temperature to -40 degree F. For Ribbed Strip Material, Add	21.61 0.72 1.51	6.67
08 38 13 00-0003	SF		8" Smooth Strip, 0.080" Thick, 100% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door ..... For Cooler/Freezer Doors, USDA Grade, Add Note: Low temperature to -40 degree F. For Ribbed Strip Material, Add	30.11 1.01 2.13	8.88
08 38 13 00-0004	SF		12" Smooth Strip, 0.120" Thick, 66% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door ..... For Cooler/Freezer Doors, USDA Grade, Add Note: Low temperature to -40 degree F. For Ribbed Strip Material, Add	19.03 0.90 1.90	5.55
08 38 13 00-0005	SF		12" Smooth Strip, 0.120" Thick, 100% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door ..... For Cooler/Freezer Doors, USDA Grade, Add Note: Low temperature to -40 degree F. For Ribbed Strip Material, Add	24.67 1.14 2.38	6.10
08 38 13 00-0006	SF		16" Smooth Strip, 0.160" Thick, 66% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door ..... For Cooler/Freezer Doors, USDA Grade, Add Note: Low temperature to -40 degree F. For Ribbed Strip Material, Add	20.37 1.15 2.41	5.55

**08 38 13 00-0007 Clear Polyvinyl Chloride (PVC) Replacement Strips** (08 38 13)

08 38 13 00-0008	EA		8" Smooth Strip, 0.080" Thick, 7' Long, Replacement Strip ..... For Cooler/Freezer Doors, USDA Grade, Add Note: Low temperature to -40 degree F. For Ribbed Strip Material, Add	68.00 1.69 3.55	31.32
08 38 13 00-0009	EA		8" Smooth Strip, 0.080" Thick, 8' Long, Replacement Strip ..... For Cooler/Freezer Doors, USDA Grade, Add Note: Low temperature to -40 degree F. For Ribbed Strip Material, Add	70.37 1.93 4.05	31.32
08 38 13 00-0010	EA		12" Smooth Strip, 0.120" Thick, 8' Long, Replacement Strip ..... For Cooler/Freezer Doors, USDA Grade, Add Note: Low temperature to -40 degree F. For Ribbed Strip Material, Add	102.83 3.95 8.30	38.75
08 38 13 00-0011	EA		12" Smooth Strip, 0.120" Thick, 10' Long, Replacement Strip ..... For Cooler/Freezer Doors, USDA Grade, Add Note: Low temperature to -40 degree F. For Ribbed Strip Material, Add	110.87 4.76 9.99	38.75
08 38 13 00-0012	EA		12" Smooth Strip, 0.120" Thick, 12' Long, Replacement Strip ..... For Cooler/Freezer Doors, USDA Grade, Add Note: Low temperature to -40 degree F. For Ribbed Strip Material, Add	118.40 5.51 11.57	38.75
08 38 13 00-0013	EA		16" Smooth Strip, 0.160" Thick, 14' Long, Replacement Strip ..... For Cooler/Freezer Doors, USDA Grade, Add Note: Low temperature to -40 degree F. For Ribbed Strip Material, Add	208.21 12.91 27.11	39.53

**08 38 16 Flexible Traffic Doors** (08 38)

Note: Impact traffic doors also known as double action traffic doors. Includes hardware. Excludes door frame.

**08 38 16 00-0001 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors (TMI Mega-Pro)** (08 38 16)

**08 38 16 00-0002 Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors** (08 38 16 00-0001)

**08 38 16 00-0003 Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors** (08 38 16 00-0002)

08 38 16 00-0004	EA		72" x 84" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door .....	3,396.69	111.04
08 38 16 00-0005	EA		72" x 96" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door .....	3,669.57	111.04
08 38 16 00-0006	EA		96" x 96" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door .....	7,617.70	127.69
08 38 16 00-0007	EA		96" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door .....	8,547.54	138.80
08 38 16 00-0008	EA		108" x 108" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door .....	13,270.08	138.80
08 38 16 00-0009	EA		108" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door .....	13,881.01	138.80
08 38 16 00-0010	EA		120" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door .....	15,452.58	166.56

**08 Openings****08 30 Specialty Doors and Frames****08 38 Traffic Doors**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 16 00-0011			<b>Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors</b> (08 38 16 00-0002)		
08 38 16 00-0012	EA		72" x 84" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	3,776.58	111.04
08 38 16 00-0013	EA		72" x 96" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	4,080.48	111.04
08 38 16 00-0014	EA		96" x 96" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	9,017.03	127.69
08 38 16 00-0015	EA		96" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	9,940.66	138.80
08 38 16 00-0016	EA		108" x 108" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	14,867.80	138.80
08 38 16 00-0017	EA		108" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	15,489.24	138.80
08 38 16 00-0018	EA		120" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	17,241.78	166.56
08 38 16 00-0019			<b>0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors (Eliason FMP)</b> (08 38 16) Note: Includes pebble embossed finish and a 14" x 16" vinyl window.		
08 38 16 00-0020			<b>Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors</b> (08 38 16 00-0019)		
08 38 16 00-0021			<b>84" Height, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors</b> (08 38 16 00-0020)		
08 38 16 00-0022	EA		24" To 36" Width x 84" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	1,365.69	61.07
08 38 16 00-0023	EA		40" To 44" Width x 84" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	1,470.44	61.07
08 38 16 00-0024			<b>96" Height, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors</b> (08 38 16 00-0020)		
08 38 16 00-0025	EA		24" To 36" Width x 96" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	1,470.44	61.07
08 38 16 00-0026	EA		40" To 44" Width x 96" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	1,499.98	61.07
08 38 16 00-0027			<b>Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors</b> (08 38 16 00-0019)		
08 38 16 00-0028			<b>84" Height, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors</b> (08 38 16 00-0027)		
08 38 16 00-0029	EA		48" To 72" Width x 84" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	2,698.06	105.49
08 38 16 00-0030	EA		80" To 88" Width x 84" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	2,907.55	105.49
08 38 16 00-0031			<b>96" Height, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors</b> (08 38 16 00-0027)		
08 38 16 00-0032	EA		48" To 72" Width x 96" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	2,907.55	105.49
08 38 16 00-0033	EA		80" To 88" Width x 96" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	2,966.64	105.49
08 38 19			<b>Rigid Traffic Doors</b> (08 38) Note: Impact traffic doors also known as double action traffic doors. Includes hardware. Excludes door frame.		
08 38 19 00-0001			<b>0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors (Eliason LWP-3)</b> (08 38 19) Note: Includes delta formed vertical edges and a 9" x 14" acrylic window.		
08 38 19 00-0002			<b>Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors</b> (08 38 19 00-0001)		
08 38 19 00-0003			<b>84" Height, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors</b> (08 38 19 00-0002)		
08 38 19 00-0004	EA		24" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	680.79	61.07
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0005	EA		28" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	729.14	61.07
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0006	EA		30" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	753.50	63.85
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0007	EA		32" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	783.04	63.85
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 38 19 00-0008	EA		36" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	818.17	66.62
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0009	EA		40" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	882.63	66.62
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0010	EA		42" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	918.06	74.95
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
<b>08 38 19 00-0011 96" Height, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors (08 38 19 00-0002)</b>					
08 38 19 00-0012	EA		24" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	764.05	61.07
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0013	EA		28" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	801.66	61.07
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0014	EA		30" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	828.70	63.85
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0015	EA		32" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	850.19	63.85
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0016	EA		36" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	928.29	66.62
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0017	EA		40" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	944.40	66.62
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0018	EA		42" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	977.15	74.95
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
<b>08 38 19 00-0019 Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors (08 38 19 00-0001)</b>					
<b>08 38 19 00-0020 84" Height, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors (08 38 19 00-0019)</b>					
08 38 19 00-0021	EA		48" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,328.26	105.49
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0022	EA		56" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,424.95	105.49
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0023	EA		60" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,462.56	105.49
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0024	EA		64" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,521.64	105.49
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0025	EA		72" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,591.87	111.04
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	

**08 Openings****08 30 Specialty Doors and Frames****08 38 Traffic Doors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 38 19 00-0026	EA 80" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,720.80	111.04
	For Each 14" x 16" Window, Add	22.00	
	For Each 15" x 20" Window, Add	28.00	
	For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0027	EA 84" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,758.40	111.04
	For Each 14" x 16" Window, Add	22.00	
	For Each 15" x 20" Window, Add	28.00	
	For Each 18" x 30" Window, Add	41.00	
<b>08 38 19 00-0028</b>	<b>96" Height, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors</b> (08 38 19 00-0019)		
08 38 19 00-0029	EA 48" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,494.79	105.49
	For Each 14" x 16" Window, Add	22.00	
	For Each 15" x 20" Window, Add	28.00	
	For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0030	EA 56" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,569.99	105.49
	For Each 14" x 16" Window, Add	22.00	
	For Each 15" x 20" Window, Add	28.00	
	For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0031	EA 60" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,612.96	105.49
	For Each 14" x 16" Window, Add	22.00	
	For Each 15" x 20" Window, Add	28.00	
	For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0032	EA 64" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,655.94	105.49
	For Each 14" x 16" Window, Add	22.00	
	For Each 15" x 20" Window, Add	28.00	
	For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0033	EA 72" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,812.12	111.04
	For Each 14" x 16" Window, Add	22.00	
	For Each 15" x 20" Window, Add	28.00	
	For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0034	EA 80" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,844.35	111.04
	For Each 14" x 16" Window, Add	22.00	
	For Each 15" x 20" Window, Add	28.00	
	For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0035	EA 84" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,876.58	111.04
	For Each 14" x 16" Window, Add	22.00	
	For Each 15" x 20" Window, Add	28.00	
	For Each 18" x 30" Window, Add	41.00	
<b>08 38 19 00-0036</b>	<b>3/4" Thick, Polymer Cell Core Impact Traffic Doors (Eliason P-11 Plus)</b> (08 38 19)		
	Note: Includes 0.125" thick thermoplastic exterior finish, 14 gauge back channel and a 14" x 16" acrylic window.		
<b>08 38 19 00-0037</b>	<b>Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors</b> (08 38 19 00-0036)		
<b>08 38 19 00-0038</b>	<b>84" Height, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors</b> (08 38 19 00-0037)		
08 38 19 00-0039	EA 24" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	1,174.99	61.07
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0040	EA 28" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	1,301.23	61.07
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0041	EA 30" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	1,357.82	63.85
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0042	EA 32" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	1,411.54	63.85
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0043	EA 36" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	1,433.23	66.62
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0044	EA 40" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	1,543.35	66.62
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0045	EA 42" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	1,659.36	74.95
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0046	EA 44" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	1,678.16	74.95
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
<b>08 38 19 00-0047</b>	<b>96" Height, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors</b> (08 38 19 00-0037)		
08 38 19 00-0048	EA 24" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	1,282.43	61.07
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0049 EA 28" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,414.03 6.00 19.00	61.07
08 38 19 00-0050 EA 30" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,470.63 6.00 19.00	63.85
08 38 19 00-0051 EA 32" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,537.77 6.00 19.00	63.85
08 38 19 00-0052 EA 36" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,591.70 6.00 19.00	66.62
08 38 19 00-0053 EA 40" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,699.13 6.00 19.00	66.62
08 38 19 00-0054 EA 42" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,758.74 6.00 19.00	74.95
08 38 19 00-0055 EA 44" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,825.88 6.00 19.00	74.95
<b>08 38 19 00-0056 Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors</b> <small>(08 38 19 00-0036)</small>		
<b>08 38 19 00-0057 84" Height, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors</b> <small>(08 38 19 00-0056)</small>		
08 38 19 00-0058 EA 48" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,316.66 6.00 19.00	105.49
08 38 19 00-0059 EA 56" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,569.13 6.00 19.00	105.49
08 38 19 00-0060 EA 60" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,671.20 6.00 19.00	105.49
08 38 19 00-0061 EA 64" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,778.63 6.00 19.00	105.49
08 38 19 00-0062 EA 72" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,822.00 6.00 19.00	111.04
08 38 19 00-0063 EA 80" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,042.24 6.00 19.00	111.04
08 38 19 00-0064 EA 84" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,241.00 6.00 19.00	111.04
08 38 19 00-0065 EA 88" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,278.60 6.00 19.00	111.04
<b>08 38 19 00-0066 96" Height, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors</b> <small>(08 38 19 00-0056)</small>		
08 38 19 00-0067 EA 48" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,531.53 6.00 19.00	105.49
08 38 19 00-0068 EA 56" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,794.75 6.00 19.00	105.49
08 38 19 00-0069 EA 60" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,896.81 6.00 19.00	105.49
08 38 19 00-0070 EA 64" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,031.10 6.00 19.00	105.49
08 38 19 00-0071 EA 72" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,138.93 6.00 19.00	111.04
08 38 19 00-0072 EA 80" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,353.80 6.00 19.00	111.04
08 38 19 00-0073 EA 84" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,439.75 6.00 19.00	111.04
08 38 19 00-0074 EA 88" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,574.05 6.00 19.00	111.04
<b>08 38 19 00-0075 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors (Eliason PMP-2)</b> <small>(08 38 19)</small>		
Note: Includes textured finish, 16 gauge back channel and a 14" x 16" window.		
<b>08 38 19 00-0076 Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors</b> <small>(08 38 19 00-0075)</small>		

**08 Openings****08 30 Specialty Doors and Frames****08 38 Traffic Doors**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0077			<b>84" Height, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors</b> <small>(08 38 19 00-0076)</small>		
08 38 19 00-0078	EA		24" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	1,542.57	61.07
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0079	EA		28" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	1,747.44	61.07
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0080	EA		30" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	1,807.63	63.85
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0081	EA		32" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	1,828.12	63.85
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0082	EA		36" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	1,854.18	66.62
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0083	EA		40" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	2,045.40	66.62
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0084	EA		42" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	2,219.09	74.95
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0085	EA		44" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	2,242.99	74.95
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0086			<b>96" Height, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors</b> <small>(08 38 19 00-0076)</small>		
08 38 19 00-0087	EA		24" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	1,586.95	61.07
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0088	EA		28" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	1,839.63	61.07
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0089	EA		30" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	1,903.24	63.85
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0090	EA		32" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	1,930.55	63.85
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0091	EA		36" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	1,942.96	66.62
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0092	EA		40" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	2,082.96	66.62
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0093	EA		42" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	2,253.24	74.95
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0094	EA		44" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	2,280.55	74.95
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0095			<b>Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors</b> <small>(08 38 19 00-0075)</small>		
08 38 19 00-0096			<b>84" Height, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors</b> <small>(08 38 19 00-0095)</small>		
08 38 19 00-0097	EA		48" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	3,051.81	105.49
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0098	EA		56" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	3,461.55	105.49
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0099	EA		60" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	3,570.82	105.49
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0100	EA		64" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	3,611.79	105.49
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0101	EA		72" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	3,663.91	111.04
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0102	EA		80" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	4,046.33	111.04
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0103	EA		84" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	4,360.47	111.04
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0104	EA		88" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	4,408.27	111.04
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

08 38 19 00-0105			<b>96" Height, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors</b> <small>(08 38 19 00-0095)</small>		
08 38 19 00-0106	EA		48" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	3,140.59	105.49
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0107	EA		56" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	3,645.94	105.49
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0108	EA		60" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	3,762.03	105.49
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0109	EA		64" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	3,816.66	105.49
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0110	EA		72" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	3,841.46	111.04
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0111	EA		80" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	4,121.45	111.04
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0112	EA		84" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	4,428.76	111.04
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0113	EA		88" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	4,483.39	111.04
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0114			<b>1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors (Eliaison SCP-2)</b> <small>(08 38 19)</small>		
			Note: Includes 0.032" tempered aluminum alloy top panel, 48" high 16 gauge stainless steel front and galvanized back base plate, 14 gauge galvanized steel back channel and a 9" x 14" window.		
08 38 19 00-0115			<b>Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors</b> <small>(08 38 19 00-0114)</small>		
08 38 19 00-0116			<b>84" Height, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors</b> <small>(08 38 19 00-0115)</small>		
08 38 19 00-0117	EA		24" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,561.76	61.07
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0118	EA		28" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,704.11	61.07
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0119	EA		30" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,747.27	63.85
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0120	EA		32" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,782.19	63.85
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0121	EA		36" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,846.86	66.62
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0122	EA		40" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,914.00	66.62
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0123	EA		42" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,984.35	74.95
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0124	EA		44" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	2,030.01	74.95
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0125			<b>96" Height, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors</b> <small>(08 38 19 00-0115)</small>		
08 38 19 00-0126	EA		24" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,682.62	61.07
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0127	EA		28" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,833.03	61.07
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0128	EA		30" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,878.88	63.85
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	

**08 Openings****08 30 Specialty Doors and Frames****08 38 Traffic Doors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 38 19 00-0129	EA 32" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,897.68	63.85
	<i>For Each 14" x 16" Window, Add</i>	22.00	
	<i>For Each 15" x 20" Window, Add</i>	28.00	
	<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0130	EA 36" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,956.98	66.62
	<i>For Each 14" x 16" Window, Add</i>	22.00	
	<i>For Each 15" x 20" Window, Add</i>	28.00	
	<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0131	EA 40" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	2,045.61	66.62
	<i>For Each 14" x 16" Window, Add</i>	22.00	
	<i>For Each 15" x 20" Window, Add</i>	28.00	
	<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0132	EA 42" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	2,105.21	74.95
	<i>For Each 14" x 16" Window, Add</i>	22.00	
	<i>For Each 15" x 20" Window, Add</i>	28.00	
	<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0133	EA 44" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	2,150.87	74.95
	<i>For Each 14" x 16" Window, Add</i>	22.00	
	<i>For Each 15" x 20" Window, Add</i>	28.00	
	<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0134	<b>Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors</b> <small>(08 38 19 00-0114)</small>		
08 38 19 00-0135	<b>84" Height, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors</b> <small>(08 38 19 00-0134)</small>		
08 38 19 00-0136	EA 48" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	3,090.19	105.49
	<i>For Each 14" x 16" Window, Add</i>	22.00	
	<i>For Each 15" x 20" Window, Add</i>	28.00	
	<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0137	EA 56" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	3,374.89	105.49
	<i>For Each 14" x 16" Window, Add</i>	22.00	
	<i>For Each 15" x 20" Window, Add</i>	28.00	
	<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0138	EA 60" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	3,450.10	105.49
	<i>For Each 14" x 16" Window, Add</i>	22.00	
	<i>For Each 15" x 20" Window, Add</i>	28.00	
	<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0139	EA 64" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	3,519.93	105.49
	<i>For Each 14" x 16" Window, Add</i>	22.00	
	<i>For Each 15" x 20" Window, Add</i>	28.00	
	<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0140	EA 72" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	3,649.25	111.04
	<i>For Each 14" x 16" Window, Add</i>	22.00	
	<i>For Each 15" x 20" Window, Add</i>	28.00	
	<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0141	EA 80" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	3,783.54	111.04
	<i>For Each 14" x 16" Window, Add</i>	22.00	
	<i>For Each 15" x 20" Window, Add</i>	28.00	
	<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0142	EA 84" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	3,890.98	111.04
	<i>For Each 14" x 16" Window, Add</i>	22.00	
	<i>For Each 15" x 20" Window, Add</i>	28.00	
	<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0143	EA 88" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	3,982.30	111.04
	<i>For Each 14" x 16" Window, Add</i>	22.00	
	<i>For Each 15" x 20" Window, Add</i>	28.00	
	<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0144	<b>96" Height, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors</b> <small>(08 38 19 00-0134)</small>		
08 38 19 00-0145	EA 48" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	3,331.92	105.49
	<i>For Each 14" x 16" Window, Add</i>	22.00	
	<i>For Each 15" x 20" Window, Add</i>	28.00	
	<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0146	EA 56" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	3,632.74	105.49
	<i>For Each 14" x 16" Window, Add</i>	22.00	
	<i>For Each 15" x 20" Window, Add</i>	28.00	
	<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0147	EA 60" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	3,713.31	105.49
	<i>For Each 14" x 16" Window, Add</i>	22.00	
	<i>For Each 15" x 20" Window, Add</i>	28.00	
	<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0148	EA 64" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	3,750.92	105.49
	<i>For Each 14" x 16" Window, Add</i>	22.00	
	<i>For Each 15" x 20" Window, Add</i>	28.00	
	<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0149	EA 72" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	3,869.49	111.04
	<i>For Each 14" x 16" Window, Add</i>	22.00	
	<i>For Each 15" x 20" Window, Add</i>	28.00	
	<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0150	EA 80" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	4,046.76	111.04
	<i>For Each 14" x 16" Window, Add</i>	22.00	
	<i>For Each 15" x 20" Window, Add</i>	28.00	
	<i>For Each 18" x 30" Window, Add</i>	41.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0151	EA		84" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,132.71 22.00 28.00 41.00	111.04
08 38 19 00-0152	EA		88" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,224.03 22.00 28.00 41.00	111.04
08 38 19 00-0153			<b>1-1/2" Thick, Polymer Cell Core Impact Traffic Doors (Eliason HCP-10)</b> (08 38 19) Note: Includes 0.125" thick thermoplastic exterior finish, 14" x 16" acrylic window and 18" high easy spring bumpers.		
08 38 19 00-0154			<b>Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors</b> (08 38 19 00-0153)		
08 38 19 00-0155			<b>84" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors</b> (08 38 19 00-0154)		
08 38 19 00-0156	EA		24" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,534.90 6.00 19.00	61.07
08 38 19 00-0157	EA		28" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,612.79 6.00 19.00	61.07
08 38 19 00-0158	EA		30" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,688.18 6.00 19.00	63.85
08 38 19 00-0159	EA		32" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,733.84 6.00 19.00	63.85
08 38 19 00-0160	EA		36" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,852.23 6.00 19.00	66.62
08 38 19 00-0161	EA		40" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,943.55 6.00 19.00	66.62
08 38 19 00-0162	EA		42" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	2,032.69 6.00 19.00	74.95
08 38 19 00-0163	EA		44" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	2,118.64 6.00 19.00	74.95
08 38 19 00-0164			<b>90" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors</b> (08 38 19 00-0154)		
08 38 19 00-0165	EA		24" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,588.61 6.00 19.00	61.07
08 38 19 00-0166	EA		28" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,682.62 6.00 19.00	61.07
08 38 19 00-0167	EA		30" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,733.84 6.00 19.00	63.85
08 38 19 00-0168	EA		32" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,798.30 6.00 19.00	63.85
08 38 19 00-0169	EA		36" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,924.75 6.00 19.00	66.62
08 38 19 00-0170	EA		40" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	2,034.87 6.00 19.00	66.62
08 38 19 00-0171	EA		42" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	2,118.64 6.00 19.00	74.95
08 38 19 00-0172	EA		44" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	2,199.22 6.00 19.00	74.95
08 38 19 00-0173			<b>96" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors</b> (08 38 19 00-0154)		
08 38 19 00-0174	EA		24" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,725.59 6.00 19.00	61.07
08 38 19 00-0175	EA		28" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,744.40 6.00 19.00	61.07
08 38 19 00-0176	EA		30" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,827.85 6.00 19.00	63.85
08 38 19 00-0177	EA		32" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,886.93 6.00 19.00	63.85

**08 Openings****08 30 Specialty Doors and Frames****08 38 Traffic Doors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 38 19 00-0178	EA 36" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,016.06 6.00 19.00	66.62
08 38 19 00-0179	EA 40" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,147.67 6.00 19.00	66.62
08 38 19 00-0180	EA 42" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,226.08 6.00 19.00	74.95
08 38 19 00-0181	EA 44" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,306.65 6.00 19.00	74.95
08 38 19 00-0182	<b>Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors</b> <small>(08 38 19 00-0153)</small>		
08 38 19 00-0183	<b>84" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors</b> <small>(08 38 19 00-0182)</small>		
08 38 19 00-0184	EA 48" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,036.48 6.00 19.00	105.49
08 38 19 00-0185	EA 56" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,192.26 6.00 19.00	105.49
08 38 19 00-0186	EA 60" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,331.92 6.00 19.00	105.49
08 38 19 00-0187	EA 64" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,423.24 6.00 19.00	105.49
08 38 19 00-0188	EA 72" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,659.99 6.00 19.00	111.04
08 38 19 00-0189	EA 80" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,842.63 6.00 19.00	111.04
08 38 19 00-0190	EA 84" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,987.67 6.00 19.00	111.04
08 38 19 00-0191	EA 88" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,159.57 6.00 19.00	111.04
08 38 19 00-0192	<b>90" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors</b> <small>(08 38 19 00-0182)</small>		
08 38 19 00-0193	EA 48" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,143.91 6.00 19.00	105.49
08 38 19 00-0194	EA 56" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,331.92 6.00 19.00	105.49
08 38 19 00-0195	EA 60" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,423.24 6.00 19.00	105.49
08 38 19 00-0196	EA 64" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,552.16 6.00 19.00	105.49
08 38 19 00-0197	EA 72" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,805.03 6.00 19.00	111.04
08 38 19 00-0198	EA 80" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,025.27 6.00 19.00	111.04
08 38 19 00-0199	EA 84" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,159.57 6.00 19.00	111.04
08 38 19 00-0200	EA 88" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,320.72 6.00 19.00	111.04
08 38 19 00-0201	<b>96" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors</b> <small>(08 38 19 00-0182)</small>		
08 38 19 00-0202	EA 48" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,417.87 6.00 19.00	105.49
08 38 19 00-0203	EA 56" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,455.47 6.00 19.00	105.49
08 38 19 00-0204	EA 60" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,611.25 6.00 19.00	105.49
08 38 19 00-0205	EA 64" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,729.43 6.00 19.00	105.49

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0206 EA 72" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,987.67	111.04
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0207 EA 80" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	4,250.88	111.04
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0208 EA 84" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	4,374.44	111.04
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0209 EA 88" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	4,535.59	111.04
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
<b>08 38 19 00-0210 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors (Eliason HFG-10) (08 38 19 00-0210)</b>		
Note: Includes 0.125" thick thermoplastic exterior finish, 14" x 16" acrylic window, 18" high easy spring bumpers, and perimeter gasketing.		
<b>08 38 19 00-0211 Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors (08 38 19 00-0210)</b>		
<b>08 38 19 00-0212 84" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors (08 38 19 00-0211)</b>		
08 38 19 00-0213 EA 24" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door .....	1,534.90	61.07
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0214 EA 28" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door .....	1,612.79	61.07
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0215 EA 30" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door .....	1,688.18	63.85
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0216 EA 32" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door .....	1,733.84	63.85
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0217 EA 36" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door .....	1,852.23	66.62
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0218 EA 40" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door .....	1,943.55	66.62
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0219 EA 42" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door .....	2,032.69	74.95
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0220 EA 44" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door .....	2,118.64	74.95
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
<b>08 38 19 00-0221 90" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors (08 38 19 00-0211)</b>		
08 38 19 00-0222 EA 24" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door .....	1,588.61	61.07
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0223 EA 28" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door .....	1,682.62	61.07
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0224 EA 30" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door .....	1,733.84	63.85
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0225 EA 32" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door .....	1,798.30	63.85
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0226 EA 36" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door .....	1,924.75	66.62
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0227 EA 40" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door .....	2,034.87	66.62
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0228 EA 42" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door .....	2,118.64	74.95
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0229 EA 44" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door .....	2,199.22	74.95
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
<b>08 38 19 00-0230 96" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors (08 38 19 00-0211)</b>		
08 38 19 00-0231 EA 24" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door .....	1,725.59	61.07
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0232 EA 28" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door .....	1,744.40	61.07
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0233 EA 30" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door .....	1,827.85	63.85
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	

**08 Openings****08 30 Specialty Doors and Frames****08 38 Traffic Doors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 38 19 00-0234	EA 32" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,886.93 6.00 19.00	63.85
08 38 19 00-0235	EA 36" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,016.06 6.00 19.00	66.62
08 38 19 00-0236	EA 40" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,147.67 6.00 19.00	66.62
08 38 19 00-0237	EA 42" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,226.08 6.00 19.00	74.95
08 38 19 00-0238	EA 44" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,306.65 6.00 19.00	74.95
08 38 19 00-0239	<b>Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors</b> <small>(08 38 19 00-0210)</small>		
08 38 19 00-0240	<b>84" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors</b> <small>(08 38 19 00-0239)</small>		
08 38 19 00-0241	EA 48" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,036.48 6.00 19.00	105.49
08 38 19 00-0242	EA 56" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,192.26 6.00 19.00	105.49
08 38 19 00-0243	EA 60" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,331.92 6.00 19.00	105.49
08 38 19 00-0244	EA 64" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,423.24 6.00 19.00	105.49
08 38 19 00-0245	EA 72" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,659.99 6.00 19.00	111.04
08 38 19 00-0246	EA 80" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,842.63 6.00 19.00	111.04
08 38 19 00-0247	EA 84" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,987.67 6.00 19.00	111.04
08 38 19 00-0248	EA 88" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,159.57 6.00 19.00	111.04
08 38 19 00-0249	<b>90" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors</b> <small>(08 38 19 00-0239)</small>		
08 38 19 00-0250	EA 48" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,143.91 6.00 19.00	105.49
08 38 19 00-0251	EA 56" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,331.92 6.00 19.00	105.49
08 38 19 00-0252	EA 60" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,423.24 6.00 19.00	105.49
08 38 19 00-0253	EA 64" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,552.16 6.00 19.00	105.49
08 38 19 00-0254	EA 72" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,805.03 6.00 19.00	111.04
08 38 19 00-0255	EA 80" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,025.27 6.00 19.00	111.04
08 38 19 00-0256	EA 84" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,159.57 6.00 19.00	111.04
08 38 19 00-0257	EA 88" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,320.72 6.00 19.00	111.04
08 38 19 00-0258	<b>96" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors</b> <small>(08 38 19 00-0239)</small>		
08 38 19 00-0259	EA 48" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,417.87 6.00 19.00	105.49
08 38 19 00-0260	EA 56" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,455.47 6.00 19.00	105.49
08 38 19 00-0261	EA 60" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,611.25 6.00 19.00	105.49

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0262	EA		64" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	3,729.43 6.00 19.00	105.49
08 38 19 00-0263	EA		72" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	3,987.67 6.00 19.00	111.04
08 38 19 00-0264	EA		80" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,250.88 6.00 19.00	111.04
08 38 19 00-0265	EA		84" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,374.44 6.00 19.00	111.04
08 38 19 00-0266	EA		88" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,535.59 6.00 19.00	111.04
08 38 19 00-0267			<b>Rigid Impact Traffic Door Accessories</b> (08 38 19)		
08 38 19 00-0268			<b>Bumper Strips For Impact Traffic Doors</b> (08 38 19 00-0267) Note: Includes two bumpers per set.		
08 38 19 00-0269	SET		24" Wide, Bumper Strips For Impact Traffic Doors .....	143.80	44.42
08 38 19 00-0270	SET		30" Wide, Bumper Strips For Impact Traffic Doors .....	157.23	44.42
08 38 19 00-0271	SET		36" Wide, Bumper Strips For Impact Traffic Doors .....	167.97	44.42
08 38 19 00-0272	SET		48" Wide, Bumper Strips For Impact Traffic Doors .....	186.77	44.42
08 38 19 00-0273			<b>Easy Spring Bumpers For Impact Traffic Doors</b> (08 38 19 00-0267) Note: Includes two bumpers per set.		
08 38 19 00-0274	SET		18" Height, Easy Spring Bumpers For Impact Traffic Doors .....	361.35	44.42
08 38 19 00-0275	SET		24" Height, Easy Spring Bumpers For Impact Traffic Doors .....	474.16	44.42
08 38 19 00-0276	SET		36" Height, Easy Spring Bumpers For Impact Traffic Doors .....	691.71	44.42
08 38 19 00-0277	SET		42" Height, Easy Spring Bumpers For Impact Traffic Doors .....	796.46	44.42
08 38 19 00-0278	SET		48" Height, Easy Spring Bumpers For Impact Traffic Doors .....	903.90	44.42
08 38 19 00-0279			<b>Scuff Plates For Impact Traffic Doors</b> (08 38 19 00-0267) Note: Includes two 0.090" thermoplastic plates per set.		
08 38 19 00-0280			<b>12" High, Scuff Plates For Impact Traffic Doors</b> (08 38 19 00-0279)		
08 38 19 00-0281	SET		24" Wide x 12" High, Impact Traffic Door Scuff Plates .....	167.97	44.42
08 38 19 00-0282	SET		30" Wide x 12" High, Impact Traffic Door Scuff Plates .....	178.71	44.42
08 38 19 00-0283	SET		36" Wide x 12" High, Impact Traffic Door Scuff Plates .....	192.14	44.42
08 38 19 00-0284	SET		42" Wide x 12" High, Impact Traffic Door Scuff Plates .....	210.94	44.42
08 38 19 00-0285	SET		48" Wide x 12" High, Impact Traffic Door Scuff Plates .....	221.69	44.42
08 38 19 00-0286			<b>24" High, Scuff Plates For Impact Traffic Doors</b> (08 38 19 00-0279)		
08 38 19 00-0287	SET		24" Wide x 24" High, Impact Traffic Door Scuff Plates .....	221.69	44.42
08 38 19 00-0288	SET		30" Wide x 24" High, Impact Traffic Door Scuff Plates .....	270.03	44.42
08 38 19 00-0289	SET		36" Wide x 24" High, Impact Traffic Door Scuff Plates .....	296.89	44.42
08 38 19 00-0290	SET		42" Wide x 24" High, Impact Traffic Door Scuff Plates .....	334.49	44.42
08 38 19 00-0291	SET		48" Wide x 24" High, Impact Traffic Door Scuff Plates .....	358.67	44.42
08 38 19 00-0292			<b>30" High, Scuff Plates For Impact Traffic Doors</b> (08 38 19 00-0279)		
08 38 19 00-0293	SET		24" Wide x 30" High, Impact Traffic Door Scuff Plates .....	270.03	44.42
08 38 19 00-0294	SET		30" Wide x 30" High, Impact Traffic Door Scuff Plates .....	313.01	44.42
08 38 19 00-0295	SET		36" Wide x 30" High, Impact Traffic Door Scuff Plates .....	345.24	44.42
08 38 19 00-0296	SET		42" Wide x 30" High, Impact Traffic Door Scuff Plates .....	404.33	44.42
08 38 19 00-0297	SET		48" Wide x 30" High, Impact Traffic Door Scuff Plates .....	444.61	44.42
08 38 19 00-0298			<b>36" High, Scuff Plates For Impact Traffic Doors</b> (08 38 19 00-0279)		
08 38 19 00-0299	SET		24" Wide x 36" High, Impact Traffic Door Scuff Plates .....	296.89	44.42
08 38 19 00-0300	SET		30" Wide x 36" High, Impact Traffic Door Scuff Plates .....	345.24	44.42
08 38 19 00-0301	SET		36" Wide x 36" High, Impact Traffic Door Scuff Plates .....	398.95	44.42
08 38 19 00-0302	SET		42" Wide x 36" High, Impact Traffic Door Scuff Plates .....	428.50	44.42
08 38 19 00-0303	SET		48" Wide x 36" High, Impact Traffic Door Scuff Plates .....	474.16	44.42
08 38 19 00-0304			<b>48" High, Scuff Plates For Impact Traffic Doors</b> (08 38 19 00-0279)		
08 38 19 00-0305	SET		24" Wide x 48" High, Impact Traffic Door Scuff Plates .....	358.67	44.42
08 38 19 00-0306	SET		30" Wide x 48" High, Impact Traffic Door Scuff Plates .....	444.61	44.42
08 38 19 00-0307	SET		36" Wide x 48" High, Impact Traffic Door Scuff Plates .....	474.16	44.42
08 38 19 00-0308	SET		42" Wide x 48" High, Impact Traffic Door Scuff Plates .....	530.56	44.42
08 38 19 00-0309	SET		48" Wide x 48" High, Impact Traffic Door Scuff Plates .....	592.34	44.42
08 38 19 00-0310			<b>Base Plates For Impact Traffic Doors</b> (08 38 19 00-0267) Note: Includes two base plates per set.		
08 38 19 00-0311			<b>Galvanized, 18 Gauge Base Plates For Impact Traffic Doors</b> (08 38 19 00-0310)		
08 38 19 00-0312			<b>12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors</b> (08 38 19 00-0311)		
08 38 19 00-0313	SET		24" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	162.60	44.42

**08 Openings****08 30 Specialty Doors and Frames****08 38 Traffic Doors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 38 19 00-0314	SET 30" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	173.34	44.42
08 38 19 00-0315	SET 36" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	178.71	44.42
08 38 19 00-0316	SET 42" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	202.89	44.42
08 38 19 00-0317	SET 48" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	213.63	44.42
<b>08 38 19 00-0318</b>	<b>24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0311)</b>		
08 38 19 00-0319	SET 24" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	202.89	44.42
08 38 19 00-0320	SET 30" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	219.00	44.42
08 38 19 00-0321	SET 36" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	235.12	44.42
08 38 19 00-0322	SET 42" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	248.55	44.42
08 38 19 00-0323	SET 48" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	270.03	44.42
<b>08 38 19 00-0324</b>	<b>30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0311)</b>		
08 38 19 00-0325	SET 24" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	229.74	44.42
08 38 19 00-0326	SET 30" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	243.17	44.42
08 38 19 00-0327	SET 36" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	275.40	44.42
08 38 19 00-0328	SET 42" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	310.32	44.42
08 38 19 00-0329	SET 48" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	326.44	44.42
<b>08 38 19 00-0330</b>	<b>36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0311)</b>		
08 38 19 00-0331	SET 24" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	243.17	44.42
08 38 19 00-0332	SET 30" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	270.03	44.42
08 38 19 00-0333	SET 36" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	310.32	44.42
08 38 19 00-0334	SET 42" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	342.55	44.42
08 38 19 00-0335	SET 48" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	361.35	44.42
<b>08 38 19 00-0336</b>	<b>48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0311)</b>		
08 38 19 00-0337	SET 24" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	304.95	44.42
08 38 19 00-0338	SET 30" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	342.55	44.42
08 38 19 00-0339	SET 36" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	393.58	44.42
08 38 19 00-0340	SET 42" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	417.76	44.42
08 38 19 00-0341	SET 48" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	449.99	44.42
<b>08 38 19 00-0342</b>	<b>Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0310)</b>		
<b>08 38 19 00-0343</b>	<b>12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0342)</b>		
08 38 19 00-0344	SET 24" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	210.94	44.42
08 38 19 00-0345	SET 30" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	221.69	44.42
08 38 19 00-0346	SET 36" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	253.92	44.42
08 38 19 00-0347	SET 42" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	270.03	44.42
08 38 19 00-0348	SET 48" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	315.69	44.42
<b>08 38 19 00-0349</b>	<b>24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0342)</b>		
08 38 19 00-0350	SET 24" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	286.15	44.42
08 38 19 00-0351	SET 30" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	334.49	44.42
08 38 19 00-0352	SET 36" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	382.84	44.42
08 38 19 00-0353	SET 42" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	441.93	44.42
08 38 19 00-0354	SET 48" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	495.65	44.42
<b>08 38 19 00-0355</b>	<b>30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0342)</b>		
08 38 19 00-0356	SET 24" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	323.75	44.42
08 38 19 00-0357	SET 30" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	388.21	44.42
08 38 19 00-0358	SET 36" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	447.30	44.42
08 38 19 00-0359	SET 42" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	509.08	44.42
08 38 19 00-0360	SET 48" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	581.59	44.42
<b>08 38 19 00-0361</b>	<b>36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0342)</b>		
08 38 19 00-0362	SET 24" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	372.10	44.42
08 38 19 00-0363	SET 30" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	441.93	44.42
08 38 19 00-0364	SET 36" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	522.50	44.42
08 38 19 00-0365	SET 42" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	600.40	44.42
08 38 19 00-0366	SET 48" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	667.54	44.42
<b>08 38 19 00-0367</b>	<b>48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0342)</b>		
08 38 19 00-0368	SET 24" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	458.04	44.42
08 38 19 00-0369	SET 30" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	624.57	44.42
08 38 19 00-0370	SET 36" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	667.54	44.42
08 38 19 00-0371	SET 42" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	796.46	44.42
08 38 19 00-0372	SET 48" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	871.67	44.42



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 38 19 00-0373	One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors <small>(08 38 19 00-0310)</small>		
08 38 19 00-0374	12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors <small>(08 38 19 00-0373)</small>		
08 38 19 00-0375	SET 24" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	189.46	44.42
08 38 19 00-0376	SET 30" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	202.89	44.42
08 38 19 00-0377	SET 36" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	219.00	44.42
08 38 19 00-0378	SET 42" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	237.80	44.42
08 38 19 00-0379	SET 48" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	267.35	44.42
08 38 19 00-0380	24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors <small>(08 38 19 00-0373)</small>		
08 38 19 00-0381	SET 24" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	248.55	44.42
08 38 19 00-0382	SET 30" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	280.78	44.42
08 38 19 00-0383	SET 36" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	313.01	44.42
08 38 19 00-0384	SET 42" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	347.92	44.42
08 38 19 00-0385	SET 48" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	388.21	44.42
08 38 19 00-0386	30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors <small>(08 38 19 00-0373)</small>		
08 38 19 00-0387	SET 24" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	280.78	44.42
08 38 19 00-0388	SET 30" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	321.06	44.42
08 38 19 00-0389	SET 36" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	366.72	44.42
08 38 19 00-0390	SET 42" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	423.13	44.42
08 38 19 00-0391	SET 48" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	460.73	44.42
08 38 19 00-0392	36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors <small>(08 38 19 00-0373)</small>		
08 38 19 00-0393	SET 24" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	313.01	44.42
08 38 19 00-0394	SET 30" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	366.72	44.42
08 38 19 00-0395	SET 36" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	423.13	44.42
08 38 19 00-0396	SET 42" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	479.53	44.42
08 38 19 00-0397	SET 48" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	519.82	44.42
08 38 19 00-0398	48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors <small>(08 38 19 00-0373)</small>		
08 38 19 00-0399	SET 24" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	388.21	44.42
08 38 19 00-0400	SET 30" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	471.47	44.42
08 38 19 00-0401	SET 36" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	519.82	44.42
08 38 19 00-0402	SET 42" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	616.51	44.42
08 38 19 00-0403	SET 48" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	643.37	44.42
08 38 19 00-0404	Jamb Guards For Impact Traffic Doors <small>(08 38 19 00-0267)</small>		
08 38 19 00-0405	EA 3" x 9", Jamb Guard For Impact Traffic Doors .....	256.96	55.52
08 38 19 00-0406	EA 5" x 18", Jamb Guard For Impact Traffic Doors .....	337.54	55.52
08 38 19 00-0407	EA 5" x 18", Stainless Steel Jamb Guard For Impact Traffic Doors.....	632.98	55.52
08 38 19 00-0408	Other Impact Traffic Door Accessories <small>(08 38 19 00-0267)</small>		
08 38 19 00-0409	EA Push Plate For Impact Traffic Doors.....	70.73	27.76
08 38 19 00-0410	EA Pull Handle For Impact Traffic Doors.....	89.54	27.76
08 38 19 00-0411	EA Deadbolt Lock For Impact Traffic Doors .....	205.03	27.76
08 38 19 00-0412	PR Lock Hole Reinforcements For Impact Traffic Doors .....	253.37	27.76
08 38 19 00-0413	PR Padlock Brackets For Impact Traffic Doors.....	108.34	27.76
08 38 19 00-0414	Impact Traffic Door Knock Down Frames <small>(08 38 19)</small>		
Note: Frames are 16 gauge galvanized steel with reinforcement at hardware locations.			
08 38 19 00-0415	Single Door, Impact Traffic Door Knock Down Frames <small>(08 38 19 00-0414)</small>		
08 38 19 00-0416	84" Height, Single Door, Impact Traffic Door Knock Down Frames <small>(08 38 19 00-0415)</small>		
08 38 19 00-0417	EA 24" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	646.28	83.28
08 38 19 00-0418	EA 28" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	754.32	91.60
08 38 19 00-0419	EA 30" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	774.55	97.16
08 38 19 00-0420	EA 32" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	799.19	105.49
08 38 19 00-0421	EA 36" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	820.57	111.04
08 38 19 00-0422	EA 40" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	856.30	116.60
08 38 19 00-0423	EA 42" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	883.90	122.15
08 38 19 00-0424	EA 44" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	904.04	127.69
08 38 19 00-0425	90" Height, Single Door, Impact Traffic Door Knock Down Frames <small>(08 38 19 00-0415)</small>		
08 38 19 00-0426	EA 24" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	658.26	83.28
08 38 19 00-0427	EA 28" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	768.58	91.60
08 38 19 00-0428	EA 30" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	789.06	97.16
08 38 19 00-0429	EA 32" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	813.89	105.49

**08 Openings****08 30 Specialty Doors and Frames****08 38 Traffic Doors**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 38 19 00-0430	EA	36" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	835.53	111.04
08 38 19 00-0431	EA	40" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	871.88	116.60
08 38 19 00-0432	EA	42" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	899.88	122.15
08 38 19 00-0433	EA	44" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	920.26	127.69

**08 38 19 00-0434 96" Height, Single Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0415)**

08 38 19 00-0435	EA	24" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	674.19	83.28
08 38 19 00-0436	EA	28" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	787.54	91.60
08 38 19 00-0437	EA	30" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	808.32	97.16
08 38 19 00-0438	EA	32" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	828.70	105.49
08 38 19 00-0439	EA	36" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	855.41	111.04
08 38 19 00-0440	EA	40" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	887.46	116.60
08 38 19 00-0441	EA	42" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	921.13	122.15
08 38 19 00-0442	EA	44" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	942.98	124.92

**08 38 19 00-0443 Double Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0414)****08 38 19 00-0444 84" Height, Double Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0443)**

08 38 19 00-0445	EA	48" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	917.87	127.69
08 38 19 00-0446	EA	56" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	934.37	129.92
08 38 19 00-0447	EA	60" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	951.80	133.25
08 38 19 00-0448	EA	64" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	978.34	138.80
08 38 19 00-0449	EA	72" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	996.84	144.35
08 38 19 00-0450	EA	80" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	1,026.98	145.47
08 38 19 00-0451	EA	84" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	1,048.09	147.13
08 38 19 00-0452	EA	88" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	1,074.24	149.91

**08 38 19 00-0453 90" Height, Double Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0443)**

08 38 19 00-0454	EA	48" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	934.41	127.69
08 38 19 00-0455	EA	56" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	951.16	129.92
08 38 19 00-0456	EA	60" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	968.94	133.25
08 38 19 00-0457	EA	64" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	995.86	138.80
08 38 19 00-0458	EA	72" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	1,014.57	144.35
08 38 19 00-0459	EA	80" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	1,045.38	145.47
08 38 19 00-0460	EA	84" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	1,066.93	147.13
08 38 19 00-0461	EA	88" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	1,093.60	149.91

**08 38 19 00-0462 96" Height, Double Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0443)**

08 38 19 00-0463	EA	48" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	953.73	127.69
08 38 19 00-0464	EA	56" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	967.92	129.92
08 38 19 00-0465	EA	60" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	991.68	133.25
08 38 19 00-0466	EA	64" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	1,013.37	138.80
08 38 19 00-0467	EA	72" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	1,038.07	144.35
08 38 19 00-0468	EA	80" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	1,072.51	145.47
08 38 19 00-0469	EA	84" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	1,091.96	147.13
08 38 19 00-0470	EA	88" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	1,117.57	149.91

**08 40 Entrances, Storefronts, and Curtain Walls (08)****08 42 Entrances (08 40)****08 42 13 Aluminum-Framed Entrances (08 42)****08 42 13 00-0001 Aluminum Framed Entrance Doors (08 42 13)**

Note: Includes frame, trim, necessary anchors, tempered glass, standard hardware (hinges, pull handle, push plate, threshold, door sweep) and prepared for panic device. Fixed doors mullion (on pairs). Excludes exit device and closer. See CSI section 08 71 11 00-2087 for exit device, 08 71 11 00-2242 for closer.

08 42 13 00-0002	EA	3' x 7' x 1-3/4" Medium Stile, Aluminum Framed Entrance Doors.....	4,908.57	678.16
		Note: Including Glazing, Trim And Hardware		
		For 8' High Door, Add	447.56	
		For 10' High Door, Add	972.96	
		For 1" Insulated Glazing, Add	85.77	
08 42 13 00-0003	EA	3'-6" x 7' x 1-3/4" Medium Stile, Aluminum Framed Entrance Doors .....	4,933.79	678.16
		Note: Including Glazing, Trim And Hardware		
		For 8' High Door, Add	450.46	
		For 10' High Door, Add	979.26	
		For 1" Insulated Glazing, Add	85.77	
08 42 13 00-0004	PR	6' x 7' x 1-3/4" Medium Stile, Aluminum Framed Entrance Doors.....	8,265.38	1,017.04
		Note: Including Glazing, Trim And Hardware		
		For 8' High Door, Add	775.48	
		For 10' High Door, Add	1,685.83	
		For 1" Insulated Glazing, Add	171.54	
08 42 13 00-0005	PR	7' x 7' x 1-3/4" Medium Stile, Aluminum Framed Entrance Doors.....	9,506.14	1,017.04
		Note: Including Glazing, Trim And Hardware		
		For 8' High Door, Add	918.17	
		For 10' High Door, Add	1,996.02	
		For 1" Insulated Glazing, Add	171.54	
08 42 13 00-0006	EA	3' x 7' x 1-3/4" Wide Stile, Aluminum Framed Entrance Doors .....	5,438.16	678.16
		Note: Including Glazing, Trim And Hardware		
		For 8' High Door, Add	508.46	
		For 10' High Door, Add	1,105.36	
		For 1" Insulated Glazing, Add	85.77	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 42 13 00-0007	EA			3'-6" x 7' x 1-3/4" Wide Stile, Aluminum Framed Entrance Doors..... Note: Including Glazing, Trim And Hardware	5,496.17	678.16
				For 8' High Door, Add	515.13	
				For 10' High Door, Add	1,119.86	
				For 1" Insulated Glazing, Add	85.77	
08 42 13 00-0008	PR			6' x 7' x 1-3/4" Wide Stile, Aluminum Framed Entrance Doors ..... Note: Including Glazing, Trim And Hardware	9,266.56	1,017.04
				For 8' High Door, Add	890.62	
				For 10' High Door, Add	1,936.13	
				For 1" Insulated Glazing, Add	171.54	
08 42 13 00-0009	PR			7' x 7' x 1-3/4" Wide Stile, Aluminum Framed Entrance Doors ..... Note: Including Glazing, Trim And Hardware	10,478.09	1,017.04
				For 8' High Door, Add	1,029.94	
				For 10' High Door, Add	2,239.01	
				For 1" Insulated Glazing, Add	171.54	

### 08 42 26 All-Glass Entrances (08 42)

#### 08 42 26 00-0001 Full Glass Entrance Doors (08 42 26)

Note: Includes trim, necessary anchors, tempered glass, and standard hardware (hinges, handle, push plate, lock, closer). Excludes panic devices.

08 42 26 00-0002	EA			3' x 7' x 1/2" Thick, Full Glass, Tempered, Glass Entrance Door..... Note: Including Trim And Hardware	4,559.56	254.19
				For Anodized Color, Add	637.71	
				For Stainless Steel, Add	2,302.83	
				For 8' High Door, Add	407.42	
				For 10' High Door, Add	885.71	
				For 1" Insulated Glazing, Add	85.77	
08 42 26 00-0003	PR			6' x 7' x 1/2" Thick, Full Glass, Tempered, Glass Entrance Door (Per Pair 3' x 7' x 1/2") ..... Note: Including Trim And Hardware	8,141.76	305.02
				For Anodized Color, Add	1,204.07	
				For Stainless Steel, Add	4,348.03	
				For 8' High Door, Add	769.27	
				For 10' High Door, Add	1,672.32	
				For 1" Insulated Glazing, Add	171.54	
08 42 26 00-0004	EA			3' x 7' x 5/8" Thick, Full Glass, Tempered, Glass Entrance Door..... Note: Including Trim And Hardware	5,197.81	254.19
				For Anodized Color, Add	752.59	
				For Stainless Steel, Add	2,717.70	
				For 8' High Door, Add	480.82	
				For 10' High Door, Add	1,045.27	
				For 1" Insulated Glazing, Add	85.77	
08 42 26 00-0005	PR			6' x 7' x 5/8" Thick, Full Glass, Tempered, Glass Entrance Door (Per Pair 3' x 7' x 5/8") ..... Note: Including Trim And Hardware	9,515.98	305.02
				For Anodized Color, Add	1,451.43	
				For Stainless Steel, Add	5,241.28	
				For 8' High Door, Add	927.30	
				For 10' High Door, Add	2,015.88	
				For 1" Insulated Glazing, Add	171.54	
08 42 26 00-0006	EA			3' x 7' x 3/4" Thick, Full Glass, Tempered, Glass Entrance Door..... Note: Including Trim And Hardware	5,833.57	254.19
				For Anodized Color, Add	867.03	
				For Stainless Steel, Add	3,130.94	
				For 8' High Door, Add	553.94	
				For 10' High Door, Add	1,204.21	
				For 1" Insulated Glazing, Add	85.77	
08 42 26 00-0007	PR			6' x 7' x 3/4" Thick, Full Glass, Tempered, Glass Entrance Door (Per Pair 3' x 7' x 3/4") ..... Note: Including Trim And Hardware	10,887.94	305.02
				For Anodized Color, Add	1,698.38	
				For Stainless Steel, Add	6,133.05	
				For 8' High Door, Add	1,085.08	
				For 10' High Door, Add	2,358.87	
				For 1" Insulated Glazing, Add	171.54	
08 42 26 00-0008	EA			3' x 7' x 1" Thick, Full Glass, Tempered, Glass Entrance Door..... Note: Including Trim And Hardware	7,107.55	254.19
				For Anodized Color, Add	1,096.35	
				For Stainless Steel, Add	3,959.03	
				For 8' High Door, Add	700.44	
				For 10' High Door, Add	1,522.70	
				For 1" Insulated Glazing, Add	85.77	
08 42 26 00-0009	PR			6' x 7' x 1" Thick, Full Glass, Tempered, Glass Entrance Door (Per Pair 3' x 7' x 1") ..... Note: Including Trim And Hardware	13,634.11	305.02
				For Anodized Color, Add	2,192.69	
				For Stainless Steel, Add	7,918.06	
				For 8' High Door, Add	1,400.89	
				For 10' High Door, Add	3,045.41	
				For 1" Insulated Glazing, Add	171.54	

#### 08 42 26 00-0010 Frames For Full Glass Doors (08 42 26)

08 42 26 00-0011	LF			Glass Entrance Door, Light Weight Aluminum Frame, 1/8" x 17" Shaped Jamb - Head .....	24.47	3.05
08 42 26 00-0012	LF			Glass Entrance Door, Heavy Weight Aluminum Frame, 1/8" x 17" Shaped Jamb - Head .....	31.72	4.06

### 08 42 29 Automatic Entrances (08 42)

#### 08 42 29 23 Sliding Automatic Entrances (08 42 29)

Note: Power-operated automatic sliding doors may be used as emergency egress doors as they can break-out in the direction of egress. Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.

**08 Openings****08 40 Entrances, Storefronts, and Curtain Walls****08 42 Entrances**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 42 29 23-0001	<b>Bronze Finished Framed Sliding Automatic Entrances</b> (08 42 29 23)			
08 42 29 23-0002	<b>2 Panel, Bronze Finished Framed Sliding Automatic Entrance</b> (08 42 29 23-0001)			
	Note: Single sliding.			
08 42 29 23-0003	EA	5'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	2,103.24	101.67
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	142.49	
		For Emergency Egress On All Panels, Add	379.98	
08 42 29 23-0004	EA	6'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	2,344.44	137.26
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	155.24	
		For Emergency Egress On All Panels, Add	413.98	
08 42 29 23-0005	EA	7'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	2,551.27	152.52
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	168.47	
		For Emergency Egress On All Panels, Add	449.25	
08 42 29 23-0006	EA	8'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	2,752.43	167.77
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	181.27	
		For Emergency Egress On All Panels, Add	483.38	
08 42 29 23-0007	EA	10'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	3,611.50	203.35
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	240.36	
		For Emergency Egress On All Panels, Add	640.96	
08 42 29 23-0008	EA	12'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	3,758.32	238.93
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	246.03	
		For Emergency Egress On All Panels, Add	656.09	
08 42 29 23-0009	EA	15'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	5,011.08	274.52
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	334.65	
		For Emergency Egress On All Panels, Add	892.41	
08 42 29 23-0010	<b>4 Panel, Bronze Finished Framed Sliding Automatic Entrance</b> (08 42 29 23-0001)			
	Note: Bi-parting.			
08 42 29 23-0011	EA	12'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	4,226.52	254.19
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	278.86	
		For Emergency Egress On All Panels, Add	743.63	
08 42 29 23-0012	EA	14'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	4,634.44	279.60
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	305.64	
		For Emergency Egress On All Panels, Add	815.05	
08 42 29 23-0013	EA	16'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	5,042.34	305.02
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	332.42	
		For Emergency Egress On All Panels, Add	886.46	
08 42 29 23-0014	EA	18'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	6,085.50	330.44
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	406.85	
		For Emergency Egress On All Panels, Add	1,084.92	
08 42 29 23-0015	EA	20'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	7,128.65	355.75
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	481.27	
		For Emergency Egress On All Panels, Add	1,283.39	
08 42 29 23-0016	<b>Aluminum Finished Framed Sliding Automatic Entrances</b> (08 42 29 23)			
08 42 29 23-0017	<b>2 Panel, Aluminum Finished Framed Sliding Automatic Entrance</b> (08 42 29 23-0016)			
	Note: Single sliding.			
08 42 29 23-0018	EA	5'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance.....	1,924.25	101.67
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	129.07	
		For Emergency Egress On All Panels, Add	344.18	
08 42 29 23-0019	EA	6'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance.....	2,149.45	137.26
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	140.62	
		For Emergency Egress On All Panels, Add	374.99	
08 42 29 23-0020	EA	7'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance.....	2,336.38	152.52
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	152.35	
		For Emergency Egress On All Panels, Add	406.27	
08 42 29 23-0021	EA	8'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance.....	2,524.73	167.77
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	164.19	
		For Emergency Egress On All Panels, Add	437.84	
08 42 29 23-0022	EA	10'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance.....	3,309.60	203.35
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	217.72	
		For Emergency Egress On All Panels, Add	580.58	
08 42 29 23-0023	EA	12'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance.....	3,449.27	238.93
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	222.86	
		For Emergency Egress On All Panels, Add	594.28	
08 42 29 23-0024	EA	15'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance.....	4,590.76	274.52
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	303.13	
		For Emergency Egress On All Panels, Add	808.34	
08 42 29 23-0025	<b>4 Panel, Aluminum Finished Framed Sliding Automatic Entrance</b> (08 42 29 23-0016)			
	Note: Bi-parting.			
08 42 29 23-0026	EA	12'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance.....	3,876.26	254.19
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	252.59	
		For Emergency Egress On All Panels, Add	673.58	
08 42 29 23-0027	EA	14'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance.....	4,250.52	279.60
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	276.85	
		For Emergency Egress On All Panels, Add	738.26	
08 42 29 23-0028	EA	16'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance.....	4,624.77	305.02
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	301.10	
		For Emergency Egress On All Panels, Add	802.95	
08 42 29 23-0029	EA	18'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance.....	5,574.46	330.44
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	388.52	
		For Emergency Egress On All Panels, Add	982.72	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 29 23-0030 EA 20'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	6,524.16 435.93 1,162.49	355.75
<b>08 42 29 23-0031 Stainless Steel Framed Sliding Automatic Entrances</b> <small>(08 42 29 23)</small>		
<b>08 42 29 23-0032 2 Panel, Stainless Steel Framed Sliding Automatic Entrance</b> <small>(08 42 29 23-0031)</small> Note: Single sliding.		
08 42 29 23-0033 EA 5'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	2,405.75 165.18 440.48	101.67
08 42 29 23-0034 EA 6'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	2,674.05 179.96 479.91	137.26
08 42 29 23-0035 EA 7'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	3,106.77 210.13 560.35	152.52
08 42 29 23-0036 EA 8'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	3,563.91 242.13 645.68	167.77
08 42 29 23-0037 EA 10'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	4,121.83 278.63 743.03	203.35
08 42 29 23-0038 EA 12'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	4,280.67 285.21 760.56	238.93
08 42 29 23-0039 EA 15'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	5,721.63 387.94 1,034.52	274.52
<b>08 42 29 23-0040 4 Panel, Stainless Steel Framed Sliding Automatic Entrance</b> <small>(08 42 29 23-0031)</small> Note: Bi-parting.		
08 42 29 23-0041 EA 12'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	4,818.60 323.27 862.05	254.19
08 42 29 23-0042 EA 14'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	5,283.35 354.31 944.83	279.60
08 42 29 23-0043 EA 16'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	5,748.10 385.35 1,027.61	305.02
08 42 29 23-0044 EA 18'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	6,949.29 471.63 1,257.68	330.44
08 42 29 23-0045 EA 20'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	8,150.48 557.91 1,487.75	355.86
<b>08 42 29 23-0046 Accessories For Sliding Automatic Entrances</b> <small>(08 42 29 23)</small> See CSI section 08 42 29 33-0006 for eye operators.		
08 42 29 23-0047 EA Automatic 2 Panel Sliding Door Motor, Activation Eye Or Push Button Controls..... Note: Includes motor for pair of sliding doors (2 panels).	5,527.29	1,110.41
08 42 29 23-0048 EA Automatic 4 Panel Sliding Door Motor, Activation Eye Or Push Button Controls..... Note: Includes motor for pair of sliding doors (4 panel).	9,197.54	1,665.61
<b>08 42 29 33 Swinging Automatic Entrances</b> <small>(08 42 29)</small> Note: Excludes glazing.		
<b>08 42 29 33-0001 Swing Door Operators, Up To 350 LB Panel Weight</b> <small>(08 42 29 33)</small> Note: Includes electro-mechanical swinging door operator and electrical controls, aluminum header, connecting hardware, actuating controls, and on/off/hold open switch. Excludes activation device, doors, and power connection. Stanley Magic Force or equal.		
08 42 29 33-0002 EA Concealed Single Door Swing Door Operator, Up To 350 LB Panel ..... Note: For new storefront or existing concealed operator installations.	3,733.56	541.87
08 42 29 33-0003 EA Concealed Pair Of Doors Swing Door Operator, Up To 350 LB Panel ..... Note: For new storefront or existing concealed operator installations.	6,384.02	722.53
08 42 29 33-0004 EA Exposed Single Door Swing Door Operator, Up To 350 LB Panel .....	3,101.59	433.49
08 42 29 33-0005 EA Exposed Pair Of Doors Swing Door Operator, Up To 350 LB Panel .....	5,552.36	650.25
<b>08 42 29 33-0006 Activation Devices For Door Operators</b> <small>(08 42 29 33)</small>		
08 42 29 33-0007 EA Overhead Active Infrared Presence Detector For Door Operators (MS Sedco DH97) ..... Note: Includes wiring harness and relays.	427.92	43.35
08 42 29 33-0008 EA On Door Active Infrared Presence Detector For Door Operator (Stanley Sentrex RS)..... Note: Includes wiring harness and relays.	379.55	43.35
08 42 29 33-0009 EA Microwave Motion Sensor For Door Operator (MS Sedco D38) .....	383.40	43.35
08 42 29 33-0010 EA 4" x 4", Americans With Disabilities Act Compliant Push Button For Door Operator (MS Sedco 59-H)..... Note: Excludes wiring from operator to push plate.	171.74	43.35
08 42 29 33-0011 EA 1-1/2" x 4", Americans With Disabilities Act Compliant Push Button For Door Operator (MS Sedco 59J-H)..... Note: Excludes wiring from operator to push button.	184.09	43.35
08 42 29 33-0012 EA 1-11/16" x 4-1/2", Jamb Mounted Push Button For Door Operator (MS Sedco 425)..... Note: Excludes wiring from operator to push button.	129.18	43.35

**08 Openings****08 40 Entrances, Storefronts, and Curtain Walls****08 42 Entrances**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 42 29 33-0013	EA	Radio Control System For Door Operator (MS Sedco Clearpath).....	650.02	108.38
		Note: Includes receiver and two push plate transmitters.		
		<i>For Single Transmitter (Includes Receiver, One Push Plate Transmitter, And One Jamb Mounted Push Button), Deduct</i>	-64.00	
08 42 29 33-0014	EA	Combination Digital Camera/Motion Detector For Door Operators (Stanley StanVision).....	925.50	54.18
		Note: Includes wiring harness and relays.		
08 42 29 33-0015	EA	Guard Rail For Door With Operator .....	222.16	54.18

**08 42 33 Revolving Door Entrances (08 42)****08 42 33 00-0001 Aluminum Revolving Doors (08 42 33)**

Note: Includes 3/4" tempered glass.

08 42 33 00-0002	EA	4'-6" To 5' Diameter Revolving Door 6'-10" To 7' High Door, Aluminum, With Frame And Hardware .....	36,936.78	5,902.05
		<i>For Automatic Controls, Add</i>	8,096.16	
		<i>For Powder Coated, Add</i>	1,441.80	
08 42 33 00-0003	EA	5'-6" To 6' Diameter Revolving Door 6'-10" To 7' High Door, Aluminum, With Frame And Hardware .....	50,006.50	8,853.21
		<i>For Automatic Controls, Add</i>	9,719.24	
		<i>For Powder Coated, Add</i>	1,811.78	
08 42 33 00-0004	EA	6'-6" To 7' Diameter Revolving Door 6'-10" To 7' High Door, Aluminum, With Frame And Hardware .....	75,851.74	10,623.79
		<i>For Automatic Controls, Add</i>	10,693.09	
		<i>For Powder Coated, Add</i>	3,204.00	
08 42 33 00-0005	EA	4'-6" To 5' Diameter Revolving Door 7'-2" To 8' High Door, Aluminum, With Frame And Hardware .....	41,101.76	6,492.20
		<i>For Automatic Controls, Add</i>	8,427.40	
		<i>For Powder Coated, Add</i>	1,614.66	
08 42 33 00-0006	EA	5'-6" To 6' Diameter Revolving Door 7'-2" To 8' High Door, Aluminum, With Frame And Hardware .....	55,360.34	9,738.83
		<i>For Automatic Controls, Add</i>	10,161.90	
		<i>For Powder Coated, Add</i>	2,029.00	
08 42 33 00-0007	EA	6'-6" To 7' Diameter Revolving Door 7'-2" To 8' High Door, Aluminum, With Frame And Hardware .....	84,712.44	11,686.18
		<i>For Automatic Controls, Add</i>	11,342.32	
		<i>For Powder Coated, Add</i>	3,588.12	

**08 42 33 00-0008 Stainless Steel Revolving Doors (08 42 33)**

Note: Includes 3/4" tempered glass.

08 42 33 00-0009	EA	4'-6" To 5' Diameter Revolving Door 6'-10" To 7' High Door, Stainless Steel, With Frame And Hardware .....	37,892.54	5,902.05
		<i>For Automatic Controls, Add</i>	8,096.16	
08 42 33 00-0010	EA	5'-6" To 6' Diameter Revolving Door 6'-10" To 7' High Door, Stainless Steel, With Frame And Hardware .....	51,207.52	8,853.21
		<i>For Automatic Controls, Add</i>	9,719.24	
08 42 33 00-0011	EA	6'-6" To 7' Diameter Revolving Door 6'-10" To 7' High Door, Stainless Steel, With Frame And Hardware .....	77,975.64	10,623.79
		<i>For Automatic Controls, Add</i>	10,693.09	
08 42 33 00-0012	EA	4'-6" To 5' Diameter Revolving Door 7'-2" To 8' High Door, Stainless Steel, With Frame And Hardware .....	42,174.65	6,492.20
		<i>For Automatic Controls, Add</i>	8,427.40	
08 42 33 00-0013	EA	5'-6" To 6' Diameter Revolving Door 7'-2" To 8' High Door, Stainless Steel, With Frame And Hardware .....	56,708.55	9,738.83
		<i>For Automatic Controls, Add</i>	10,161.90	
08 42 33 00-0014	EA	6'-6" To 7' Diameter Revolving Door 7'-2" To 8' High Door, Stainless Steel, With Frame And Hardware .....	87,096.64	11,686.18
		<i>For Automatic Controls, Add</i>	11,342.32	

**08 42 33 00-0015 Bronze Revolving Doors (08 42 33)**

Note: Includes 3/4" tempered glass.

08 42 33 00-0016	EA	4'-6" To 5' Diameter Revolving Door 6'-10" To 7' High Door, Bronze, With Frame And Hardware .....	34,521.95	5,902.05
		<i>For Automatic Controls, Add</i>	8,096.16	
08 42 33 00-0017	EA	5'-6" To 6' Diameter Revolving Door 6'-10" To 7' High Door, Bronze, With Frame And Hardware .....	46,971.99	8,853.21
		<i>For Automatic Controls, Add</i>	9,719.24	
08 42 33 00-0018	EA	6'-6" To 7' Diameter Revolving Door 6'-10" To 7' High Door, Bronze, With Frame And Hardware .....	70,485.44	10,623.79
		<i>For Automatic Controls, Add</i>	10,693.09	
08 42 33 00-0019	EA	4'-6" To 5' Diameter Revolving Door 7'-2" To 8' High Door, Bronze, With Frame And Hardware .....	38,399.59	6,492.20
		<i>For Automatic Controls, Add</i>	8,427.40	
08 42 33 00-0020	EA	5'-6" To 6' Diameter Revolving Door 7'-2" To 8' High Door, Bronze, With Frame And Hardware .....	51,964.76	9,738.83
		<i>For Automatic Controls, Add</i>	10,161.90	
08 42 33 00-0021	EA	6'-6" To 7' Diameter Revolving Door 7'-2" To 8' High Door, Bronze, With Frame And Hardware .....	78,707.61	11,686.18
		<i>For Automatic Controls, Add</i>	11,342.32	

**08 42 36 Balanced Door Entrances (08 42)****08 42 36 00-0001 Balanced Doors, With Glass (08 42 36)**

Note: Includes 3/4" tempered glass, check and door guide, top pivot with bearing, torsion bar closer spring, bottom arm, semi-automatic hold open device, floor box, door roller guide, bottom pivot, top arm.

08 42 36 00-0002	EA	2'-6" x 7'-0" Balanced Door, Stainless Steel.....	23,439.46	309.20
		<i>For Bronze Instead Of Stainless Steel, Deduct</i>	-5,666.55	
		<i>For 70% Fluoropolymer Exterior Finish (Duranar), Add</i>	2,266.62	
		<i>For Tinted Glass, Add</i>	1,133.31	
		<i>For Aluminum, Painted Finish, Deduct</i>	-6,799.86	
08 42 36 00-0003	EA	3'-0" x 7'-0" Balanced Door, Stainless Steel.....	24,359.94	309.20
		<i>For Bronze Instead Of Stainless Steel, Deduct</i>	-5,896.67	
		<i>For 70% Fluoropolymer Exterior Finish (Duranar), Add</i>	2,358.67	
		<i>For Tinted Glass, Add</i>	1,179.33	
		<i>For Aluminum, Painted Finish, Deduct</i>	-7,076.01	
08 42 36 00-0004	EA	3'-6" x 7'-0" Balanced Door, Stainless Steel.....	26,595.54	309.20
		<i>For Bronze Instead Of Stainless Steel, Deduct</i>	-6,455.57	
		<i>For 70% Fluoropolymer Exterior Finish (Duranar), Add</i>	2,582.23	
		<i>For Tinted Glass, Add</i>	1,291.11	
		<i>For Aluminum, Painted Finish, Deduct</i>	-7,746.69	
08 42 36 00-0005	EA	4'-0" x 7'-0" Balanced Door, Stainless Steel.....	29,225.71	309.20
		<i>For Bronze Instead Of Stainless Steel, Deduct</i>	-7,113.12	
		<i>For 70% Fluoropolymer Exterior Finish (Duranar), Add</i>	2,845.25	
		<i>For Tinted Glass, Add</i>	1,422.62	
		<i>For Aluminum, Painted Finish, Deduct</i>	-8,535.74	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 42 36 00-0006 PR Pair 3'-0" x 7'-0" Balanced Door, Stainless Steel .....	48,642.61	587.67
<i>For Bronze Instead Of Stainless Steel, Deduct</i>	-11,793.36	
<i>For 70% Fluoropolymer Exterior Finish (Duramar), Add</i>	4,717.34	
<i>For Tinted Glass, Add</i>	2,358.67	
<i>For Aluminum, Painted Finish, Deduct</i>	-14,152.03	

**08 43 Storefronts** (08 40)
**08 43 13 Aluminum-Framed Storefronts** (08 43)

08 43 13 00-0001 Aluminum Storefront Framing Assembly <small>(08 43 13)</small>		
<small>Note: Includes frames, fasteners and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing. See CSI section 08 43 13 00-0083 for reinforcing steel (where required), 08 81 23 23-0002 for tempered glazing, 08 81 23 23-0045 for laminated glazing, 08 81 23 23-0051 for insulated glazing.</small>		
08 43 13 00-0002 1-3/4" x 4-1/2" Frame, Aluminum Storefront Framing Assembly <small>(08 43 13 00-0001)</small>		
<small>Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.</small>		
08 43 13 00-0003 SF 5' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly .....	24.05	7.46
<i>For Various Color Class I Anodized Finish, Add</i>	0.76	
<i>For Black Color Class I Anodized Finish, Add</i>	2.29	
08 43 13 00-0004 SF 6' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly .....	21.61	6.72
<i>For Various Color Class I Anodized Finish, Add</i>	0.69	
<i>For Black Color Class I Anodized Finish, Add</i>	2.06	
08 43 13 00-0005 SF 7' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly .....	19.86	6.19
<i>For Various Color Class I Anodized Finish, Add</i>	0.63	
<i>For Black Color Class I Anodized Finish, Add</i>	1.89	
08 43 13 00-0006 SF 8' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly .....	18.57	5.80
<i>For Various Color Class I Anodized Finish, Add</i>	0.59	
<i>For Black Color Class I Anodized Finish, Add</i>	1.76	
08 43 13 00-0007 SF 9' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly .....	17.55	5.49
<i>For Various Color Class I Anodized Finish, Add</i>	0.55	
<i>For Black Color Class I Anodized Finish, Add</i>	1.66	
08 43 13 00-0008 SF 10' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly .....	16.75	5.24
<i>For Various Color Class I Anodized Finish, Add</i>	0.53	
<i>For Black Color Class I Anodized Finish, Add</i>	1.58	
08 43 13 00-0009 SF 11' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly .....	16.08	5.04
<i>For Various Color Class I Anodized Finish, Add</i>	0.51	
<i>For Black Color Class I Anodized Finish, Add</i>	1.52	
08 43 13 00-0010 SF 12' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly .....	15.52	4.87
<i>For Various Color Class I Anodized Finish, Add</i>	0.49	
<i>For Black Color Class I Anodized Finish, Add</i>	1.47	
08 43 13 00-0011 1-3/4" x 4-1/2" Frame With Horizontal Mullion, Aluminum Storefront Framing Assembly <small>(08 43 13 00-0001)</small>		
<small>Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, single horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.</small>		
08 43 13 00-0012 SF 5' High With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly .....	31.37	9.76
<i>For Various Color Class I Anodized Finish, Add</i>	1.00	
<i>For Black Color Class I Anodized Finish, Add</i>	2.99	
08 43 13 00-0013 SF 6' High With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly .....	27.67	8.64
<i>For Various Color Class I Anodized Finish, Add</i>	0.88	
<i>For Black Color Class I Anodized Finish, Add</i>	2.64	
08 43 13 00-0014 SF 7' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly .....	25.15	7.83
<i>For Various Color Class I Anodized Finish, Add</i>	0.80	
<i>For Black Color Class I Anodized Finish, Add</i>	2.39	
08 43 13 00-0015 SF 8' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly .....	23.19	7.22
<i>For Various Color Class I Anodized Finish, Add</i>	0.73	
<i>For Black Color Class I Anodized Finish, Add</i>	2.20	
08 43 13 00-0016 SF 9' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly .....	21.67	6.71
<i>For Various Color Class I Anodized Finish, Add</i>	0.68	
<i>For Black Color Class I Anodized Finish, Add</i>	2.05	
08 43 13 00-0017 SF 10' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly .....	20.41	6.40
<i>For Various Color Class I Anodized Finish, Add</i>	0.65	
<i>For Black Color Class I Anodized Finish, Add</i>	1.94	
08 43 13 00-0018 SF 11' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly .....	19.46	6.10
<i>For Various Color Class I Anodized Finish, Add</i>	0.61	
<i>For Black Color Class I Anodized Finish, Add</i>	1.84	
08 43 13 00-0019 SF 12' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly .....	18.62	5.80
<i>For Various Color Class I Anodized Finish, Add</i>	0.59	
<i>For Black Color Class I Anodized Finish, Add</i>	1.76	

## 08 Openings

## 08 40 Entrances, Storefronts, and Curtain Walls

## 08 43 Storefronts

 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 43 13 00-0020	1-3/4" x 4-1/2" Frame With Two Horizontal Mullions, Aluminum Storefront Framing Assembly (08 43 13 00-0001)		
	Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, two horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0021	SF 5' High With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	38.72	11.99
	For Various Color Class I Anodized Finish, Add	1.23	
	For Black Color Class I Anodized Finish, Add	3.69	
08 43 13 00-0022	SF 6' High With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	33.88	10.47
	For Various Color Class I Anodized Finish, Add	1.07	
	For Black Color Class I Anodized Finish, Add	3.22	
08 43 13 00-0023	SF 7' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	30.38	9.45
	For Various Color Class I Anodized Finish, Add	0.96	
	For Black Color Class I Anodized Finish, Add	2.89	
08 43 13 00-0024	SF 8' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	27.76	8.64
	For Various Color Class I Anodized Finish, Add	0.88	
	For Black Color Class I Anodized Finish, Add	2.64	
08 43 13 00-0025	SF 9' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	25.66	8.03
	For Various Color Class I Anodized Finish, Add	0.81	
	For Black Color Class I Anodized Finish, Add	2.44	
08 43 13 00-0026	SF 10' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	24.08	7.52
	For Various Color Class I Anodized Finish, Add	0.76	
	For Black Color Class I Anodized Finish, Add	2.28	
08 43 13 00-0027	SF 11' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	22.76	7.12
	For Various Color Class I Anodized Finish, Add	0.72	
	For Black Color Class I Anodized Finish, Add	2.16	
08 43 13 00-0028	SF 12' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	21.66	6.81
	For Various Color Class I Anodized Finish, Add	0.68	
	For Black Color Class I Anodized Finish, Add	2.05	
08 43 13 00-0029	2" x 4-1/2" Frame, Aluminum Storefront Framing Assembly (08 43 13 00-0001)		
	Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0030	SF 5' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	24.80	7.83
	For Various Color Class I Anodized Finish, Add	0.78	
	For Black Color Class I Anodized Finish, Add	2.34	
08 43 13 00-0031	SF 6' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	22.30	7.02
	For Various Color Class I Anodized Finish, Add	0.70	
	For Black Color Class I Anodized Finish, Add	2.09	
08 43 13 00-0032	SF 7' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	20.40	6.51
	For Various Color Class I Anodized Finish, Add	0.64	
	For Black Color Class I Anodized Finish, Add	1.92	
08 43 13 00-0033	SF 8' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	19.05	6.10
	For Various Color Class I Anodized Finish, Add	0.59	
	For Black Color Class I Anodized Finish, Add	1.78	
08 43 13 00-0034	SF 9' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	17.97	5.69
	For Various Color Class I Anodized Finish, Add	0.56	
	For Black Color Class I Anodized Finish, Add	1.68	
08 43 13 00-0035	SF 10' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	17.21	5.49
	For Various Color Class I Anodized Finish, Add	0.53	
	For Black Color Class I Anodized Finish, Add	1.60	
08 43 13 00-0036	SF 11' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	16.42	5.29
	For Various Color Class I Anodized Finish, Add	0.51	
	For Black Color Class I Anodized Finish, Add	1.53	
08 43 13 00-0037	SF 12' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	15.91	5.08
	For Various Color Class I Anodized Finish, Add	0.49	
	For Black Color Class I Anodized Finish, Add	1.47	
08 43 13 00-0038	2" x 4-1/2" Frame With Horizontal Mullion, Aluminum Storefront Framing Assembly (08 43 13 00-0001)		
	Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, single horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0039	SF 5' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	32.97	10.57
	For Various Color Class I Anodized Finish, Add	1.01	
	For Black Color Class I Anodized Finish, Add	3.04	
08 43 13 00-0040	SF 6' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	29.00	9.35
	For Various Color Class I Anodized Finish, Add	0.89	
	For Black Color Class I Anodized Finish, Add	2.68	
08 43 13 00-0041	SF 7' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	26.23	8.44
	For Various Color Class I Anodized Finish, Add	0.81	
	For Black Color Class I Anodized Finish, Add	2.42	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 43 13 00-0042	SF	8'	High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	24.13	7.83
			<i>For Various Color Class I Anodized Finish, Add</i> .....	0.74	
			<i>For Black Color Class I Anodized Finish, Add</i> .....	2.22	
08 43 13 00-0043	SF	9'	High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	22.57	7.32
			<i>For Various Color Class I Anodized Finish, Add</i> .....	0.69	
			<i>For Black Color Class I Anodized Finish, Add</i> .....	2.07	
08 43 13 00-0044	SF	10'	High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	21.18	6.91
			<i>For Various Color Class I Anodized Finish, Add</i> .....	0.65	
			<i>For Black Color Class I Anodized Finish, Add</i> .....	1.95	
08 43 13 00-0045	SF	11'	High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	20.12	6.51
			<i>For Various Color Class I Anodized Finish, Add</i> .....	0.62	
			<i>For Black Color Class I Anodized Finish, Add</i> .....	1.85	
08 43 13 00-0046	SF	12'	High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	19.25	6.20
			<i>For Various Color Class I Anodized Finish, Add</i> .....	0.59	
			<i>For Black Color Class I Anodized Finish, Add</i> .....	1.76	

**08 43 13 00-0047 2" x 4-1/2" Frame With Two Horizontal Mullions, Aluminum Storefront Framing Assembly** (08 43 13 00-0001)

Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, two horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.

08 43 13 00-0048	SF	5'	High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	39.81	12.61
			<i>For Various Color Class I Anodized Finish, Add</i> .....	1.25	
			<i>For Black Color Class I Anodized Finish, Add</i> .....	3.74	
08 43 13 00-0049	SF	6'	High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	34.79	10.98
			<i>For Various Color Class I Anodized Finish, Add</i> .....	1.09	
			<i>For Black Color Class I Anodized Finish, Add</i> .....	3.26	
08 43 13 00-0050	SF	7'	High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	31.15	9.86
			<i>For Various Color Class I Anodized Finish, Add</i> .....	0.97	
			<i>For Black Color Class I Anodized Finish, Add</i> .....	2.92	
08 43 13 00-0051	SF	8'	High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	28.50	9.05
			<i>For Various Color Class I Anodized Finish, Add</i> .....	0.89	
			<i>For Black Color Class I Anodized Finish, Add</i> .....	2.66	
08 43 13 00-0052	SF	9'	High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	26.36	8.34
			<i>For Various Color Class I Anodized Finish, Add</i> .....	0.82	
			<i>For Black Color Class I Anodized Finish, Add</i> .....	2.46	
08 43 13 00-0053	SF	10'	High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	24.65	7.83
			<i>For Various Color Class I Anodized Finish, Add</i> .....	0.77	
			<i>For Black Color Class I Anodized Finish, Add</i> .....	2.30	
08 43 13 00-0054	SF	11'	High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	23.32	7.42
			<i>For Various Color Class I Anodized Finish, Add</i> .....	0.72	
			<i>For Black Color Class I Anodized Finish, Add</i> .....	2.17	
08 43 13 00-0055	SF	12'	High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	22.09	7.12
			<i>For Various Color Class I Anodized Finish, Add</i> .....	0.69	
			<i>For Black Color Class I Anodized Finish, Add</i> .....	2.06	

**08 43 13 00-0056 2-1/2" x 5" Frame, Aluminum Storefront Framing Assembly** (08 43 13 00-0001)

Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.

08 43 13 00-0057	SF	5'	High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	30.44	8.03
			<i>For Various Color Class I Anodized Finish, Add</i> .....	1.10	
			<i>For Black Color Class I Anodized Finish, Add</i> .....	3.30	
08 43 13 00-0058	SF	6'	High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	27.38	7.22
			<i>For Various Color Class I Anodized Finish, Add</i> .....	0.99	
			<i>For Black Color Class I Anodized Finish, Add</i> .....	2.97	
08 43 13 00-0059	SF	7'	High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	25.25	6.61
			<i>For Various Color Class I Anodized Finish, Add</i> .....	0.91	
			<i>For Black Color Class I Anodized Finish, Add</i> .....	2.73	
08 43 13 00-0060	SF	8'	High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	23.64	6.20
			<i>For Various Color Class I Anodized Finish, Add</i> .....	0.85	
			<i>For Black Color Class I Anodized Finish, Add</i> .....	2.55	
08 43 13 00-0061	SF	9'	High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	22.38	5.90
			<i>For Various Color Class I Anodized Finish, Add</i> .....	0.81	
			<i>For Black Color Class I Anodized Finish, Add</i> .....	2.42	
08 43 13 00-0062	SF	10'	High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	21.35	5.59
			<i>For Various Color Class I Anodized Finish, Add</i> .....	0.77	
			<i>For Black Color Class I Anodized Finish, Add</i> .....	2.31	
08 43 13 00-0063	SF	11'	High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	20.55	5.39
			<i>For Various Color Class I Anodized Finish, Add</i> .....	0.74	
			<i>For Black Color Class I Anodized Finish, Add</i> .....	2.22	
08 43 13 00-0064	SF	12'	High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	19.82	5.18
			<i>For Various Color Class I Anodized Finish, Add</i> .....	0.71	
			<i>For Black Color Class I Anodized Finish, Add</i> .....	2.14	

**08 Openings****08 40 Entrances, Storefronts, and Curtain Walls****08 43 Storefronts**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 43 13 00-0065	2-1/2" x 5" Frame With Horizontal Mullion, Aluminum Storefront Framing Assembly <small>(08 43 13 00-0001)</small>		
	Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, single horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0066	SF 5' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	40.26	10.78
	For Various Color Class I Anodized Finish, Add	1.43	
	For Black Color Class I Anodized Finish, Add	4.30	
08 43 13 00-0067	SF 6' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	35.55	9.56
	For Various Color Class I Anodized Finish, Add	1.27	
	For Black Color Class I Anodized Finish, Add	3.80	
08 43 13 00-0068	SF 7' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	32.25	8.64
	For Various Color Class I Anodized Finish, Add	1.15	
	For Black Color Class I Anodized Finish, Add	3.45	
08 43 13 00-0069	SF 8' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	29.76	7.93
	For Various Color Class I Anodized Finish, Add	1.06	
	For Black Color Class I Anodized Finish, Add	3.18	
08 43 13 00-0070	SF 9' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	27.80	7.42
	For Various Color Class I Anodized Finish, Add	0.99	
	For Black Color Class I Anodized Finish, Add	2.97	
08 43 13 00-0071	SF 10' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	26.25	7.02
	For Various Color Class I Anodized Finish, Add	0.93	
	For Black Color Class I Anodized Finish, Add	2.80	
08 43 13 00-0072	SF 11' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	25.00	6.71
	For Various Color Class I Anodized Finish, Add	0.89	
	For Black Color Class I Anodized Finish, Add	2.67	
08 43 13 00-0073	SF 12' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	23.86	6.40
	For Various Color Class I Anodized Finish, Add	0.85	
	For Black Color Class I Anodized Finish, Add	2.56	
08 43 13 00-0074	2-1/2" x 5" Frame With Two Horizontal Mullions, Aluminum Storefront Framing Assembly <small>(08 43 13 00-0001)</small>		
	Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, two horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0075	SF 5' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	48.44	12.61
	For Various Color Class I Anodized Finish, Add	1.77	
	For Black Color Class I Anodized Finish, Add	5.30	
08 43 13 00-0076	SF 6' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	42.61	11.19
	For Various Color Class I Anodized Finish, Add	1.54	
	For Black Color Class I Anodized Finish, Add	4.63	
08 43 13 00-0077	SF 7' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	38.25	10.07
	For Various Color Class I Anodized Finish, Add	1.39	
	For Black Color Class I Anodized Finish, Add	4.16	
08 43 13 00-0078	SF 8' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	35.05	9.15
	For Various Color Class I Anodized Finish, Add	1.27	
	For Black Color Class I Anodized Finish, Add	3.80	
08 43 13 00-0079	SF 9' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	32.50	8.54
	For Various Color Class I Anodized Finish, Add	1.18	
	For Black Color Class I Anodized Finish, Add	3.53	
08 43 13 00-0080	SF 10' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	30.46	8.03
	For Various Color Class I Anodized Finish, Add	1.10	
	For Black Color Class I Anodized Finish, Add	3.30	
08 43 13 00-0081	SF 11' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	28.74	7.52
	For Various Color Class I Anodized Finish, Add	1.04	
	For Black Color Class I Anodized Finish, Add	3.12	
08 43 13 00-0082	SF 12' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	27.39	7.22
	For Various Color Class I Anodized Finish, Add	0.99	
	For Black Color Class I Anodized Finish, Add	2.97	
08 43 13 00-0083	Accessories For Aluminum Storefront Framing Assembly <small>(08 43 13 00-0001)</small>		
08 43 13 00-0084	LF For 3/4" x 4-3/16" x 10 Gauge Galvanized Steel Reinforcing, Storefront Framing.....	31.19	6.76
08 43 13 00-0085	LF For 1-1/4" x 4-3/16" x 10 Gauge Galvanized Steel Reinforcing, Storefront Framing.....	35.48	7.44
08 43 13 00-0086	LF For 1-7/16" x 4-5/8" x 1/4" Steel Reinforcing, Storefront Framing.....	53.46	8.18

**08 43 19 Stainless-Steel-Framed Storefronts** (08 43)

	MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
			UNIT COST	UNIT COST

<b>08 43 19 00-0001</b>	<b>Stainless Steel Storefront Framing Assembly</b> <small>(08 43 19)</small>			
	<small>Note: Includes frames, reinforcing and accessories. Excludes doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing. Per SF of opening area. See CSI section 08 81 23 23-0051 for insulated glazing.</small>			
08 43 19 00-0002	SF Stainless Steel Storefront Framing Assembly.....		41.24	5.08
	<i>For 70% Fluoropolymer Exterior Finish (Duramar), Add</i>		3.35	

**08 44 Curtain Wall and Glazed Assemblies** (08 40)

**08 44 13 Glazed Aluminum Curtain Walls** (08 44)

<b>08 44 13 00-0001</b>	<b>Curtain Walls</b> <small>(08 44 13)</small>			
<b>08 44 13 00-0002</b>	<b>Coping Sections</b> <small>(08 44 13 00-0001)</small>			
08 44 13 00-0003	LF Curtain Wall, 1/8" x 8" Coping Section Shaped (3") Aluminum System Framing Section.....		48.42	3.05
	<i>For Bronze Anodized Aluminum, Add</i>		4.59	
	<i>For Stainless Steel, Add</i>		19.24	
	<i>For Black Anodized Finish, Add</i>		8.26	
08 44 13 00-0004	LF Curtain Wall, 1/8" x 9" Coping Section Shaped (4") Aluminum System Framing Section.....		50.05	3.05
	<i>For Bronze Anodized Aluminum, Add</i>		4.83	
	<i>For Stainless Steel, Add</i>		20.22	
	<i>For Black Anodized Finish, Add</i>		8.70	
08 44 13 00-0005	LF Curtain Wall, 1/8" x 12-1/2" Coping Section Shaped (5-1/2") Aluminum Framing Section.....		60.46	4.06
	<i>For Bronze Anodized Aluminum, Add</i>		5.73	
	<i>For Stainless Steel, Add</i>		24.05	
	<i>For Black Anodized Finish, Add</i>		10.32	

**08 44 13 00-0006 Sill Section** (08 44 13 00-0001)

08 44 13 00-0007	LF Aluminum Curtain Wall, 1/8" x 6" Sill Section Shaped Aluminum System Framing Section.....		39.09	2.04
	<i>For Bronze Anodized Aluminum, Add</i>		3.98	
	<i>For Stainless Steel, Add</i>		16.55	
	<i>For Black Anodized Finish, Add</i>		7.17	
08 44 13 00-0008	LF Aluminum Curtain Wall, 1/8" x 7" Sill Section Shaped Aluminum System Framing Section.....		41.92	2.04
	<i>For Bronze Anodized Aluminum, Add</i>		4.41	
	<i>For Stainless Steel, Add</i>		18.25	
	<i>For Black Anodized Finish, Add</i>		7.93	
08 44 13 00-0009	LF Aluminum Curtain Wall, 1/8" x 8-1/2" Sill Section Shaped Aluminum System Framing Section.....		44.79	2.04
	<i>For Bronze Anodized Aluminum, Add</i>		4.84	
	<i>For Stainless Steel, Add</i>		19.97	
	<i>For Black Anodized Finish, Add</i>		8.70	

**08 44 13 00-0010 Aluminum Column Covers** (08 44 13 00-0001)

<small>Note: Includes all clips and fasteners.</small>				
08 44 13 00-0011	LF Aluminum Column Covers, 1/8" x 26", Shaped.....		95.44	5.08
	<i>For Bronze Anodized Aluminum, Add</i>		10.02	
	<i>For Stainless Steel, Add</i>		41.51	
	<i>For Black Anodized Finish, Add</i>		18.04	
08 44 13 00-0012	LF Aluminum Column Covers, 1/8" x 34", Shaped.....		115.64	5.08
	<i>For Bronze Anodized Aluminum, Add</i>		12.79	
	<i>For Stainless Steel, Add</i>		52.69	
	<i>For Black Anodized Finish, Add</i>		23.03	
08 44 13 00-0013	LF Aluminum Column Covers, 1/8" x 38", Shaped.....		123.20	5.08
	<i>For Bronze Anodized Aluminum, Add</i>		13.93	
	<i>For Stainless Steel, Add</i>		57.23	
	<i>For Black Anodized Finish, Add</i>		25.07	

**08 44 13 00-0014 Spandrel Covers** (08 44 13 00-0001)

<small>Note: Where exterior facing only is described in the following the interior face will be tempered hardboard (to be painted).</small>				
08 44 13 00-0015	SF 1" Spandrel Cover, Aluminum Both Faces.....		37.52	2.04
	<i>For Bronze Anodized Aluminum, Add</i>		4.35	
	<i>For Stainless Steel, Add</i>		17.81	
	<i>For Black Anodized Finish, Add</i>		7.82	
08 44 13 00-0016	SF 1" Spandrel Cover, Aluminum Exterior Face.....		33.22	2.04
	<i>For Bronze Anodized Aluminum, Add</i>		3.70	
	<i>For Stainless Steel, Add</i>		15.23	
	<i>For Black Anodized Finish, Add</i>		6.66	
08 44 13 00-0017	SF 1" Spandrel Cover, Epoxy Both Faces.....		68.82	2.04
	<i>For Bronze Anodized Aluminum, Add</i>		9.04	
	<i>For Stainless Steel, Add</i>		36.59	
	<i>For Black Anodized Finish, Add</i>		16.27	
08 44 13 00-0018	SF 1" Spandrel Cover, Epoxy Exterior Face Only.....		56.70	2.04
	<i>For Bronze Anodized Aluminum, Add</i>		7.22	
	<i>For Stainless Steel, Add</i>		29.32	
	<i>For Black Anodized Finish, Add</i>		13.00	
08 44 13 00-0019	SF 2" Spandrel Cover, Aluminum Both Faces.....		42.54	2.04
	<i>For Bronze Anodized Aluminum, Add</i>		4.77	
	<i>For Stainless Steel, Add</i>		19.61	
	<i>For Black Anodized Finish, Add</i>		8.58	
08 44 13 00-0020	SF 2" Spandrel Cover, Aluminum Exterior Face.....		38.47	2.04
	<i>For Bronze Anodized Aluminum, Add</i>		4.16	
	<i>For Stainless Steel, Add</i>		17.16	
	<i>For Black Anodized Finish, Add</i>		7.48	

**08 Openings****08 40 Entrances, Storefronts, and Curtain Walls****08 44 Curtain Wall and Glazed Assemblies**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 44 13 00-0021	SF 2" Spandrel Cover, Epoxy Both Faces..... <i>For Bronze Anodized Aluminum, Add</i> <i>For Stainless Steel, Add</i> <i>For Black Anodized Finish, Add</i>	78.97 10.23 41.46 18.42	2.04
08 44 13 00-0022	SF 2" Spandrel Cover, Epoxy Exterior Face Only..... <i>For Bronze Anodized Aluminum, Add</i> <i>For Stainless Steel, Add</i> <i>For Black Anodized Finish, Add</i>	64.98 8.13 33.07 14.64	2.04
<b>08 44 13 00-0023</b>	<b>Curtain Wall, Aluminum System Framing Sections</b> <small>(08 44 13 00-0001)</small> Note: The prices are based on stock shapes of anodized aluminum, plain color and of 0.125" thickness.		
08 44 13 00-0024	LF Aluminum System Curtain Wall, 1-1/2" x 3" Jamb Aluminum Framed Window Walls..... <i>For Bronze Anodized Aluminum, Add</i> <i>For Stainless Steel, Add</i> <i>For Black Anodized Finish, Add</i>	53.06 6.75 27.40 12.15	2.04
08 44 13 00-0025	LF Aluminum System Curtain Wall, 1-1/2" x 3" Head Aluminum Framed Window Walls..... <i>For Bronze Anodized Aluminum, Add</i> <i>For Stainless Steel, Add</i> <i>For Black Anodized Finish, Add</i>	52.90 6.75 27.39 12.15	2.04
08 44 13 00-0026	LF Aluminum System Curtain Wall, 1-1/2" x 3" Mullion Aluminum Framed Window Walls..... <i>For Bronze Anodized Aluminum, Add</i> <i>For Stainless Steel, Add</i> <i>For Black Anodized Finish, Add</i> <i>For Corner Mullion, Add</i>	52.90 6.75 27.39 12.15 12.43	2.04
08 44 13 00-0027	LF Aluminum System Curtain Wall, 2" x 4" Jamb Aluminum Framed Window Walls..... <i>For Bronze Anodized Aluminum, Add</i> <i>For Stainless Steel, Add</i> <i>For Black Anodized Finish, Add</i>	65.96 8.06 32.87 14.52	4.06
08 44 13 00-0028	LF Aluminum System Curtain Wall, 2" x 4" Horizontal Aluminum Framed Window Walls..... <i>For Bronze Anodized Aluminum, Add</i> <i>For Stainless Steel, Add</i> <i>For Black Anodized Finish, Add</i>	65.96 8.06 32.87 14.52	4.06
08 44 13 00-0029	LF Aluminum System Curtain Wall, 2" x 4" Mullion Aluminum Framed Window Walls..... <i>For Bronze Anodized Aluminum, Add</i> <i>For Stainless Steel, Add</i> <i>For Black Anodized Finish, Add</i> <i>For Corner Mullion, Add</i>	65.96 8.06 32.87 14.52 15.27	4.06
08 44 13 00-0030	LF Aluminum System Curtain Wall, 2" x 6" Jamb Aluminum Framed Window Walls..... <i>For Bronze Anodized Aluminum, Add</i> <i>For Stainless Steel, Add</i> <i>For Black Anodized Finish, Add</i>	72.48 8.84 36.03 15.91	4.48
08 44 13 00-0031	LF Aluminum System Curtain Wall, 2" x 6" Horizontal Aluminum Framed Window Walls..... <i>For Bronze Anodized Aluminum, Add</i> <i>For Stainless Steel, Add</i> <i>For Black Anodized Finish, Add</i>	72.48 8.84 36.03 15.91	4.48
08 44 13 00-0032	LF Aluminum System Curtain Wall, 2" x 6" Mullion Aluminum Framed Window Walls..... <i>For Bronze Anodized Aluminum, Add</i> <i>For Stainless Steel, Add</i> <i>For Black Anodized Finish, Add</i> <i>For Corner Mullion, Add</i>	72.48 8.84 36.03 15.91 16.76	4.48
08 44 13 00-0033	LF Aluminum System Curtain Wall, 3" x 5-1/2" Jamb Aluminum Framed Window Walls..... <i>For Bronze Anodized Aluminum, Add</i> <i>For Stainless Steel, Add</i> <i>For Black Anodized Finish, Add</i>	79.17 9.62 39.22 17.31	5.08
08 44 13 00-0034	LF Aluminum System Curtain Wall, 3" x 5-1/2" Horizontal Aluminum Framed Window Walls..... <i>For Bronze Anodized Aluminum, Add</i> <i>For Stainless Steel, Add</i> <i>For Black Anodized Finish, Add</i>	79.17 9.62 39.22 17.31	5.08
08 44 13 00-0035	LF Aluminum System Curtain Wall, 3" x 5-1/2" Mullion Aluminum Framed Window Walls..... <i>For Bronze Anodized Aluminum, Add</i> <i>For Stainless Steel, Add</i> <i>For Black Anodized Finish, Add</i> <i>For Corner Mullion, Add</i>	79.17 9.62 39.22 17.31 18.29	5.08
08 44 13 00-0036	LF Aluminum System Curtain Wall, 3" x 6-3/4" Jamb Aluminum Framed Window Walls..... <i>For Bronze Anodized Aluminum, Add</i> <i>For Stainless Steel, Add</i> <i>For Black Anodized Finish, Add</i>	88.74 10.85 44.20 19.52	5.49
08 44 13 00-0037	LF Aluminum System Curtain Wall, 3" x 6-3/4" Horizontal Aluminum Framed Window Walls..... <i>For Bronze Anodized Aluminum, Add</i> <i>For Stainless Steel, Add</i> <i>For Black Anodized Finish, Add</i>	88.74 10.85 44.20 19.52	5.49
08 44 13 00-0038	LF Aluminum System Curtain Wall, 3" x 6-3/4" Mullion Aluminum Framed Window Walls..... <i>For Bronze Anodized Aluminum, Add</i> <i>For Stainless Steel, Add</i> <i>For Black Anodized Finish, Add</i> <i>For Corner Mullion, Add</i>	88.74 10.85 44.20 19.52 20.54	5.49
08 44 13 00-0039	LF Aluminum System Curtain Wall, 3" x 8-3/4" Jamb Aluminum Framed Window Walls..... <i>For Bronze Anodized Aluminum, Add</i> <i>For Stainless Steel, Add</i> <i>For Black Anodized Finish, Add</i>	101.87 12.45 50.75 22.41	6.10
08 44 13 00-0040	LF Aluminum System Curtain Wall, 3" x 8-3/4" Horizontal Aluminum Framed Window Walls..... <i>For Bronze Anodized Aluminum, Add</i> <i>For Stainless Steel, Add</i> <i>For Black Anodized Finish, Add</i>	101.87 12.45 50.75 22.41	6.10
08 44 13 00-0041	LF Aluminum System Curtain Wall, 3" x 8-3/4" Mullion Aluminum Framed Window Walls..... <i>For Bronze Anodized Aluminum, Add</i> <i>For Stainless Steel, Add</i> <i>For Black Anodized Finish, Add</i> <i>For Corner Mullion, Add</i>	101.87 12.45 50.75 22.41 23.58	6.10

	MINOR CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**08 44 26 Structural Glass Curtain Walls (08 44)**

**08 44 26 16 Metal Framed Point Supported Glass Curtain Walls (08 44 26)**

**08 44 26 16-0001 Centria Exterior Closure Components (08 44 26 16)**

08 44 26 16-0002	SF	Centria CS-260, 210 Single Skin Metal Panel ..... Note: Metal Panels include panel system base, vertical joints, vertical joint covers, foam and metal closure for vertical joints, clips and attachments. Includes extruded aluminum coping with two coats of 70% Mica Kynar finish factory installed.	61.43	19.54
08 44 26 16-0003	SF	Centria Formawall Insulated Metal Panels..... Note: Includes two coats of 70% Mica Kynar finish factory installed. Includes base extrusion and coping extrusions.	95.60	16.28
08 44 26 16-0004	LF	Centria Formawall Insulated Metal Panels Radius Column ..... Note: Includes radius coping.	157.30	27.14
08 44 26 16-0005	LF	Centria Formawall Insulated Metal Panels Coping.....	31.47	5.42
08 44 26 16-0006	SF	Centria Formawavue 3000 Thru Tube Window System Without Glass ..... Note: 20 PSF wind load with 70% Mica Kynar two coat finish factory installed.	112.21	26.05
08 44 26 16-0007	SF	Centria Formawavue 3000 Insulated Vision Units ..... Note: Vision insulated units to be 1" clear tempered insulated units with PPG Solarban 60 low-e coating on the #2 surface.	19.17	
08 44 26 16-0008	SF	Centria Formawavue 3000 Insulated Silkscreen Pattern Units..... Note: Silkscreen units to be 1" clear tempered insulated units with PPG Solarban 60 low-e coating on the #2 surface and manufacturers standard silk screen (dots or lines) pattern on inboard lite.	37.09	
08 44 26 16-0009	LF	Centria Integrated Louver System ..... Note: Factory installed 70% Mica Kynar two coat finish. Excludes blank-off panels or insect screens.	234.65	16.28
08 44 26 16-0010	LF	Centria Integrated Sunshade System ..... Note: Factory installed 70% Mica Kynar two coat finish.	1,098.36	115.06

**08 44 26 16-0011 Kalwall Exterior Closure Components (08 44 26 16)**

08 44 26 16-0012	SF	Kalwall Translucent Panel System Standard..... Note: 25 PSF wind load. Factory installed 70% Mica Kynar two coat finish.	135.27	21.70
08 44 26 16-0013	SF	Kalwall Translucent Panel System High Impact.....	140.57	21.70
08 44 26 16-0014	EA	Wind Clips..... Note: 2 per connection to steel tube includes all welding, fasteners, prep, and clean up.	309.10	
08 44 26 16-0015	EA	Sill Angle With Welded Support Angles For The Kalwall System ..... Note: Includes all welding, fasteners, prep, and clean up.	360.62	
08 44 26 16-0016	EA	Kalwall Head Channel At Coping (Galvanized 16 Gauge 2 x 4.5").....	16.49	
08 44 26 16-0017	EA	Kalwall Head Channel At Corners (Galvanized 16 Gauge 2 x 4.5").....	72.12	

**08 45 Translucent Wall and Roof Assemblies (08 40)**

**08 45 23 Fiberglass-Sandwich-Panel Assemblies (08 45)**

**08 45 23 00-0001 Translucent Fiberglass Sandwich-Panels 2-3/4" Thick (08 45 23)**

08 45 23 00-0002	SF	<5,000 SF Translucent Fiberglass Sandwich-Panel 2-3/4" Thick, Metal Framed ..... <i>For Aluminum Frame, Add</i>	116.60	5.42
			10.85	
08 45 23 00-0003	SF	>5,000 SF Translucent Fiberglass Sandwich-Panel 2-3/4" Thick, Metal Framed ..... <i>For Aluminum Frame, Add</i>	106.84	4.61
			9.99	

**08 50 Windows (08)**

Note: Includes hardware, caulk, sealant and mounting anchors. Operable windows include weather stripping. Demolition includes removal of frame, glass and insect screens.

**08 51 Metal Windows (08 50)**

**08 51 13 Aluminum Windows (08 51)**

See CSI section 08 80 00 00-0000 for glazing.

**08 51 13 00-0001 Aluminum Windows (08 51 13)**

Note: Includes standard acrylic paint finish. Excludes glazing, panning and aluminum trim.

**08 51 13 00-0002 Single Hung Aluminum Windows (08 51 13 00-0001)**

**08 51 13 00-0003 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400) (08 51 13 00-0002)**

08 51 13 00-0004	EA	Up To 6 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400) ..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duramar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	531.46	106.60
			7.08	
			21.23	
			17.69	
			24.77	
08 51 13 00-0005	EA	>6 To 10 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400) ..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duramar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	597.18	113.26
			8.17	
			24.50	
			20.42	
			28.59	
08 51 13 00-0006	EA	>10 To 15 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400) ..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duramar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	653.39	119.92
			9.07	
			27.21	
			22.68	
			31.75	

**08 Openings****08 50 Windows****08 51 Metal Windows**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 51 13 00-0007	EA	>15 To 20 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	700.12	126.59
		For 50% Fluoropolymer Finish (Acrynar), Add	9.78	
		For 70% Fluoropolymer Finish (Duranar), Add	29.35	
		For Clear Anodized Finish, Add	24.46	
		For Color Anodized Finish, Add	34.24	
08 51 13 00-0008	EA	>20 To 30 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	803.82	133.25
		For 50% Fluoropolymer Finish (Acrynar), Add	11.63	
		For 70% Fluoropolymer Finish (Duranar), Add	34.90	
		For Clear Anodized Finish, Add	29.09	
		For Color Anodized Finish, Add	40.72	
08 51 13 00-0009	SF	>30 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	26.07	4.00
		For 50% Fluoropolymer Finish (Acrynar), Add	0.39	
		For 70% Fluoropolymer Finish (Duranar), Add	1.16	
		For Clear Anodized Finish, Add	0.97	
		For Color Anodized Finish, Add	1.36	
<b>08 51 13 00-0010</b>		<b>3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)</b> (08 51 13 00-0002)		
08 51 13 00-0011	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	783.16	106.60
		For 50% Fluoropolymer Finish (Acrynar), Add	12.11	
		For 70% Fluoropolymer Finish (Duranar), Add	36.33	
		For Clear Anodized Finish, Add	30.27	
		For Color Anodized Finish, Add	42.38	
08 51 13 00-0012	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	870.24	113.26
		For 50% Fluoropolymer Finish (Acrynar), Add	13.63	
		For 70% Fluoropolymer Finish (Duranar), Add	40.89	
		For Clear Anodized Finish, Add	34.07	
		For Color Anodized Finish, Add	47.70	
08 51 13 00-0013	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	943.08	119.92
		For 50% Fluoropolymer Finish (Acrynar), Add	14.86	
		For 70% Fluoropolymer Finish (Duranar), Add	44.59	
		For Clear Anodized Finish, Add	37.16	
		For Color Anodized Finish, Add	52.02	
08 51 13 00-0014	EA	>15 To 20 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	1,013.55	126.59
		For 50% Fluoropolymer Finish (Acrynar), Add	16.05	
		For 70% Fluoropolymer Finish (Duranar), Add	48.15	
		For Clear Anodized Finish, Add	40.13	
		For Color Anodized Finish, Add	56.18	
08 51 13 00-0015	EA	>20 To 30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	1,202.73	133.25
		For 50% Fluoropolymer Finish (Acrynar), Add	19.61	
		For 70% Fluoropolymer Finish (Duranar), Add	58.84	
		For Clear Anodized Finish, Add	49.03	
		For Color Anodized Finish, Add	68.65	
08 51 13 00-0016	SF	>30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	39.37	4.00
		For 50% Fluoropolymer Finish (Acrynar), Add	0.65	
		For 70% Fluoropolymer Finish (Duranar), Add	1.96	
		For Clear Anodized Finish, Add	1.64	
		For Color Anodized Finish, Add	2.29	
<b>08 51 13 00-0017</b>		<b>3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)</b> (08 51 13 00-0002)		
08 51 13 00-0018	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	825.90	106.60
		For 50% Fluoropolymer Finish (Acrynar), Add	12.96	
		For 70% Fluoropolymer Finish (Duranar), Add	38.89	
		For Clear Anodized Finish, Add	32.41	
		For Color Anodized Finish, Add	45.38	
08 51 13 00-0019	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	929.60	113.26
		For 50% Fluoropolymer Finish (Acrynar), Add	14.82	
		For 70% Fluoropolymer Finish (Duranar), Add	44.45	
		For Clear Anodized Finish, Add	37.04	
		For Color Anodized Finish, Add	51.86	
08 51 13 00-0020	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	1,014.31	119.92
		For 50% Fluoropolymer Finish (Acrynar), Add	16.29	
		For 70% Fluoropolymer Finish (Duranar), Add	48.87	
		For Clear Anodized Finish, Add	40.72	
		For Color Anodized Finish, Add	57.01	
08 51 13 00-0021	EA	>15 To 20 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	1,096.65	126.59
		For 50% Fluoropolymer Finish (Acrynar), Add	17.71	
		For 70% Fluoropolymer Finish (Duranar), Add	53.14	
		For Clear Anodized Finish, Add	44.28	
		For Color Anodized Finish, Add	62.00	
08 51 13 00-0022	EA	>20 To 30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	1,304.83	133.25
		For 50% Fluoropolymer Finish (Acrynar), Add	21.66	
		For 70% Fluoropolymer Finish (Duranar), Add	64.97	
		For Clear Anodized Finish, Add	54.14	
		For Color Anodized Finish, Add	75.79	
08 51 13 00-0023	SF	>30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	42.76	4.00
		For 50% Fluoropolymer Finish (Acrynar), Add	0.72	
		For 70% Fluoropolymer Finish (Duranar), Add	2.17	
		For Clear Anodized Finish, Add	1.80	
		For Color Anodized Finish, Add	2.53	
<b>08 51 13 00-0024</b>		<b>4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)</b> (08 51 13 00-0002)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0025	EA		Up To 6 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	906.63	106.60
			For 50% Fluoropolymer Finish (Acrynar), Add	14.58	
			For 70% Fluoropolymer Finish (Duranar), Add	43.74	
			For Clear Anodized Finish, Add	36.45	
			For Color Anodized Finish, Add	51.03	
08 51 13 00-0026	EA		>6 To 10 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) .....	1,041.20	113.26
			For 50% Fluoropolymer Finish (Acrynar), Add	17.05	
			For 70% Fluoropolymer Finish (Duranar), Add	51.15	
			For Clear Anodized Finish, Add	42.62	
			For Color Anodized Finish, Add	59.67	
08 51 13 00-0027	EA		>10 To 15 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) .....	1,128.28	119.92
			For 50% Fluoropolymer Finish (Acrynar), Add	18.57	
			For 70% Fluoropolymer Finish (Duranar), Add	55.70	
			For Clear Anodized Finish, Add	46.42	
			For Color Anodized Finish, Add	64.99	
08 51 13 00-0028	EA		>15 To 20 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) .....	1,210.63	126.59
			For 50% Fluoropolymer Finish (Acrynar), Add	19.99	
			For 70% Fluoropolymer Finish (Duranar), Add	59.98	
			For Clear Anodized Finish, Add	49.98	
			For Color Anodized Finish, Add	69.98	
08 51 13 00-0029	EA		>20 To 30 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) .....	1,402.19	133.25
			For 50% Fluoropolymer Finish (Acrynar), Add	23.60	
			For 70% Fluoropolymer Finish (Duranar), Add	70.81	
			For Clear Anodized Finish, Add	59.01	
			For Color Anodized Finish, Add	82.61	
08 51 13 00-0030	SF		>30 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) .....	46.01	4.00
			For 50% Fluoropolymer Finish (Acrynar), Add	0.79	
			For 70% Fluoropolymer Finish (Duranar), Add	2.36	
			For Clear Anodized Finish, Add	1.97	
			For Color Anodized Finish, Add	2.75	
<b>08 51 13 00-0031</b>			<b>Double Hung Aluminum Windows</b> (08 51 13 00-0001)		
<b>08 51 13 00-0032</b>			<b>3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)</b> (08 51 13 00-0031)		
08 51 13 00-0033	EA		Up To 6 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000).....	595.57	106.60
			For 50% Fluoropolymer Finish (Acrynar), Add	8.36	
			For 70% Fluoropolymer Finish (Duranar), Add	25.07	
			For Clear Anodized Finish, Add	20.90	
			For Color Anodized Finish, Add	29.25	
08 51 13 00-0034	EA		>6 To 10 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000) .....	658.91	113.26
			For 50% Fluoropolymer Finish (Acrynar), Add	9.40	
			For 70% Fluoropolymer Finish (Duranar), Add	28.21	
			For Clear Anodized Finish, Add	23.51	
			For Color Anodized Finish, Add	32.91	
08 51 13 00-0035	EA		>10 To 15 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000) .....	712.75	119.92
			For 50% Fluoropolymer Finish (Acrynar), Add	10.26	
			For 70% Fluoropolymer Finish (Duranar), Add	30.77	
			For Clear Anodized Finish, Add	25.64	
			For Color Anodized Finish, Add	35.90	
08 51 13 00-0036	EA		>15 To 20 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000) .....	768.98	126.59
			For 50% Fluoropolymer Finish (Acrynar), Add	11.16	
			For 70% Fluoropolymer Finish (Duranar), Add	33.48	
			For Clear Anodized Finish, Add	27.90	
			For Color Anodized Finish, Add	39.06	
08 51 13 00-0037	EA		>20 To 30 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000) .....	896.43	133.25
			For 50% Fluoropolymer Finish (Acrynar), Add	13.49	
			For 70% Fluoropolymer Finish (Duranar), Add	40.46	
			For Clear Anodized Finish, Add	33.72	
			For Color Anodized Finish, Add	47.20	
08 51 13 00-0038	SF		>30 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000).....	29.16	4.00
			For 50% Fluoropolymer Finish (Acrynar), Add	0.45	
			For 70% Fluoropolymer Finish (Duranar), Add	1.35	
			For Clear Anodized Finish, Add	1.12	
			For Color Anodized Finish, Add	1.57	
<b>08 51 13 00-0039</b>			<b>4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)</b> (08 51 13 00-0031)		
08 51 13 00-0040	EA		Up To 6 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000).....	730.92	106.60
			For 50% Fluoropolymer Finish (Acrynar), Add	11.07	
			For 70% Fluoropolymer Finish (Duranar), Add	33.20	
			For Clear Anodized Finish, Add	27.66	
			For Color Anodized Finish, Add	38.73	
08 51 13 00-0041	EA		>6 To 10 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000) .....	846.50	113.26
			For 50% Fluoropolymer Finish (Acrynar), Add	13.15	
			For 70% Fluoropolymer Finish (Duranar), Add	39.46	
			For Clear Anodized Finish, Add	32.89	
			For Color Anodized Finish, Add	46.04	
08 51 13 00-0042	EA		>10 To 15 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000) .....	940.70	119.92
			For 50% Fluoropolymer Finish (Acrynar), Add	14.82	
			For 70% Fluoropolymer Finish (Duranar), Add	44.45	
			For Clear Anodized Finish, Add	37.04	
			For Color Anodized Finish, Add	51.86	
08 51 13 00-0043	EA		>15 To 20 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000) .....	1,046.79	126.59
			For 50% Fluoropolymer Finish (Acrynar), Add	16.72	
			For 70% Fluoropolymer Finish (Duranar), Add	50.15	
			For Clear Anodized Finish, Add	41.79	
			For Color Anodized Finish, Add	58.51	

**08 Openings****08 50 Windows****08 51 Metal Windows**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 51 13 00-0044	EA	>20 To 30 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	1,240.72	133.25
		For 50% Fluoropolymer Finish (Acrynar), Add	20.37	
		For 70% Fluoropolymer Finish (Duranar), Add	61.12	
		For Clear Anodized Finish, Add	50.93	
		For Color Anodized Finish, Add	71.30	
08 51 13 00-0045	SF	>30 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	40.62	4.00
		For 50% Fluoropolymer Finish (Acrynar), Add	0.68	
		For 70% Fluoropolymer Finish (Duranar), Add	2.04	
		For Clear Anodized Finish, Add	1.70	
		For Color Anodized Finish, Add	2.38	
<b>08 51 13 00-0046</b>		<b>4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)</b>		
		<small>(08 51 13 00-0031)</small>		
08 51 13 00-0047	EA	Up To 6 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	918.50	106.60
		For 50% Fluoropolymer Finish (Acrynar), Add	14.82	
		For 70% Fluoropolymer Finish (Duranar), Add	44.45	
		For Clear Anodized Finish, Add	37.04	
		For Color Anodized Finish, Add	51.86	
08 51 13 00-0048	EA	>6 To 10 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	1,053.07	113.26
		For 50% Fluoropolymer Finish (Acrynar), Add	17.29	
		For 70% Fluoropolymer Finish (Duranar), Add	51.86	
		For Clear Anodized Finish, Add	43.22	
		For Color Anodized Finish, Add	60.50	
08 51 13 00-0049	EA	>10 To 15 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	1,166.28	119.92
		For 50% Fluoropolymer Finish (Acrynar), Add	19.33	
		For 70% Fluoropolymer Finish (Duranar), Add	57.98	
		For Clear Anodized Finish, Add	48.32	
		For Color Anodized Finish, Add	67.65	
08 51 13 00-0050	EA	>15 To 20 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	1,277.11	126.59
		For 50% Fluoropolymer Finish (Acrynar), Add	21.32	
		For 70% Fluoropolymer Finish (Duranar), Add	63.97	
		For Clear Anodized Finish, Add	53.31	
		For Color Anodized Finish, Add	74.63	
08 51 13 00-0051	EA	>20 To 30 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	1,542.28	133.25
		For 50% Fluoropolymer Finish (Acrynar), Add	26.40	
		For 70% Fluoropolymer Finish (Duranar), Add	79.21	
		For Clear Anodized Finish, Add	66.01	
		For Color Anodized Finish, Add	92.41	
08 51 13 00-0052	SF	>30 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	50.67	4.00
		For 50% Fluoropolymer Finish (Acrynar), Add	0.88	
		For 70% Fluoropolymer Finish (Duranar), Add	2.64	
		For Clear Anodized Finish, Add	2.20	
		For Color Anodized Finish, Add	3.08	
<b>08 51 13 00-0053</b>		<b>4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)</b>		
		<small>(08 51 13 00-0031)</small>		
08 51 13 00-0054	EA	Up To 10 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	1,430.61	113.26
		For 50% Fluoropolymer Finish (Acrynar), Add	24.84	
		For 70% Fluoropolymer Finish (Duranar), Add	74.51	
		For Clear Anodized Finish, Add	62.09	
		For Color Anodized Finish, Add	86.93	
08 51 13 00-0055	EA	>10 To 15 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	1,567.56	119.92
		For 50% Fluoropolymer Finish (Acrynar), Add	27.35	
		For 70% Fluoropolymer Finish (Duranar), Add	82.06	
		For Clear Anodized Finish, Add	68.38	
		For Color Anodized Finish, Add	95.74	
08 51 13 00-0056	EA	>15 To 20 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	1,728.26	126.59
		For 50% Fluoropolymer Finish (Acrynar), Add	30.35	
		For 70% Fluoropolymer Finish (Duranar), Add	91.04	
		For Clear Anodized Finish, Add	75.86	
		For Color Anodized Finish, Add	106.21	
08 51 13 00-0057	EA	>20 To 30 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	1,998.18	133.25
		For 50% Fluoropolymer Finish (Acrynar), Add	35.52	
		For 70% Fluoropolymer Finish (Duranar), Add	106.57	
		For Clear Anodized Finish, Add	88.81	
		For Color Anodized Finish, Add	124.33	
08 51 13 00-0058	SF	>30 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	65.79	4.00
		For 50% Fluoropolymer Finish (Acrynar), Add	1.18	
		For 70% Fluoropolymer Finish (Duranar), Add	3.55	
		For Clear Anodized Finish, Add	2.96	
		For Color Anodized Finish, Add	4.14	
<b>08 51 13 00-0059</b>		<b>5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)</b>		
		<small>(08 51 13 00-0031)</small>		
08 51 13 00-0060	EA	Up To 10 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	1,967.24	113.26
		For 50% Fluoropolymer Finish (Acrynar), Add	35.57	
		For 70% Fluoropolymer Finish (Duranar), Add	106.71	
		For Clear Anodized Finish, Add	88.92	
		For Color Anodized Finish, Add	124.49	
08 51 13 00-0061	EA	>10 To 15 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	2,120.81	119.92
		For 50% Fluoropolymer Finish (Acrynar), Add	38.42	
		For 70% Fluoropolymer Finish (Duranar), Add	115.26	
		For Clear Anodized Finish, Add	96.05	
		For Color Anodized Finish, Add	134.47	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0062	EA		>15 To 20 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600).....	2,295.76	126.59
			For 50% Fluoropolymer Finish (Acrynar), Add	41.70	
			For 70% Fluoropolymer Finish (Duranar), Add	125.09	
			For Clear Anodized Finish, Add	104.24	
			For Color Anodized Finish, Add	145.93	
08 51 13 00-0063	EA		>20 To 30 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600).....	2,598.91	133.25
			For 50% Fluoropolymer Finish (Acrynar), Add	47.54	
			For 70% Fluoropolymer Finish (Duranar), Add	142.61	
			For Clear Anodized Finish, Add	118.84	
			For Color Anodized Finish, Add	166.38	
08 51 13 00-0064	SF		>30 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600).....	85.98	4.00
			For 50% Fluoropolymer Finish (Acrynar), Add	1.59	
			For 70% Fluoropolymer Finish (Duranar), Add	4.76	
			For Clear Anodized Finish, Add	3.97	
			For Color Anodized Finish, Add	5.55	
08 51 13 00-0065			Horizontal Sliding Aluminum Windows (08 51 13 00-0001)		
08 51 13 00-0066			One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Windows (08 51 13 00-0065)		
08 51 13 00-0067			2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400) (08 51 13 00-0066)		
08 51 13 00-0068	EA		Up To 6 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400) .....	543.34	106.60
			For 50% Fluoropolymer Finish (Acrynar), Add	7.31	
			For 70% Fluoropolymer Finish (Duranar), Add	21.94	
			For Clear Anodized Finish, Add	18.28	
			For Color Anodized Finish, Add	25.60	
08 51 13 00-0069	EA		>6 To 10 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400) .....	611.42	113.26
			For 50% Fluoropolymer Finish (Acrynar), Add	8.45	
			For 70% Fluoropolymer Finish (Duranar), Add	25.36	
			For Clear Anodized Finish, Add	21.13	
			For Color Anodized Finish, Add	29.59	
08 51 13 00-0070	EA		>10 To 15 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400) .....	662.89	119.92
			For 50% Fluoropolymer Finish (Acrynar), Add	9.26	
			For 70% Fluoropolymer Finish (Duranar), Add	27.78	
			For Clear Anodized Finish, Add	23.15	
			For Color Anodized Finish, Add	32.41	
08 51 13 00-0071	EA		>15 To 20 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400) .....	716.74	126.59
			For 50% Fluoropolymer Finish (Acrynar), Add	10.12	
			For 70% Fluoropolymer Finish (Duranar), Add	30.35	
			For Clear Anodized Finish, Add	25.29	
			For Color Anodized Finish, Add	35.40	
08 51 13 00-0072	EA		>20 To 30 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400) .....	825.19	133.25
			For 50% Fluoropolymer Finish (Acrynar), Add	12.06	
			For 70% Fluoropolymer Finish (Duranar), Add	36.19	
			For Clear Anodized Finish, Add	30.16	
			For Color Anodized Finish, Add	42.22	
08 51 13 00-0073	SF		>30 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400) .....	26.78	4.00
			For 50% Fluoropolymer Finish (Acrynar), Add	0.40	
			For 70% Fluoropolymer Finish (Duranar), Add	1.21	
			For Clear Anodized Finish, Add	1.01	
			For Color Anodized Finish, Add	1.41	
08 51 13 00-0074			3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800) (08 51 13 00-0066)		
08 51 13 00-0075	EA		Up To 6 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800) .....	844.89	106.60
			For 50% Fluoropolymer Finish (Acrynar), Add	13.34	
			For 70% Fluoropolymer Finish (Duranar), Add	40.03	
			For Clear Anodized Finish, Add	33.36	
			For Color Anodized Finish, Add	46.71	
08 51 13 00-0076	EA		>6 To 10 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800) .....	950.97	113.26
			For 50% Fluoropolymer Finish (Acrynar), Add	15.24	
			For 70% Fluoropolymer Finish (Duranar), Add	45.73	
			For Clear Anodized Finish, Add	38.11	
			For Color Anodized Finish, Add	53.35	
08 51 13 00-0077	EA		>10 To 15 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800) .....	1,035.68	119.92
			For 50% Fluoropolymer Finish (Acrynar), Add	16.72	
			For 70% Fluoropolymer Finish (Duranar), Add	50.15	
			For Clear Anodized Finish, Add	41.79	
			For Color Anodized Finish, Add	58.51	
08 51 13 00-0078	EA		>15 To 20 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800) .....	1,118.02	126.59
			For 50% Fluoropolymer Finish (Acrynar), Add	18.14	
			For 70% Fluoropolymer Finish (Duranar), Add	54.42	
			For Clear Anodized Finish, Add	45.35	
			For Color Anodized Finish, Add	63.49	

**08 Openings****08 50 Windows****08 51 Metal Windows**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 51 13 00-0079	EA >20 To 30 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800).....	1,295.34	133.25
	For 50% Fluoropolymer Finish (Acrynar), Add	21.47	
	For 70% Fluoropolymer Finish (Duranar), Add	64.40	
	For Clear Anodized Finish, Add	53.66	
	For Color Anodized Finish, Add	75.13	
08 51 13 00-0080	SF >30 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800).....	42.45	4.00
	For 50% Fluoropolymer Finish (Acrynar), Add	0.72	
	For 70% Fluoropolymer Finish (Duranar), Add	2.15	
	For Clear Anodized Finish, Add	1.79	
	For Color Anodized Finish, Add	2.50	
08 51 13 00-0081	Two Rolling Sashes, Horizontal Sliding Aluminum Windows (08 51 13 00-0065)		
08 51 13 00-0082	3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000) (08 51 13 00-0081)		
08 51 13 00-0083	EA Up To 6 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000).....	605.07	106.60
	For 50% Fluoropolymer Finish (Acrynar), Add	8.55	
	For 70% Fluoropolymer Finish (Duranar), Add	25.64	
	For Clear Anodized Finish, Add	21.37	
	For Color Anodized Finish, Add	29.92	
08 51 13 00-0084	EA >6 To 10 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000).....	692.16	113.26
	For 50% Fluoropolymer Finish (Acrynar), Add	10.07	
	For 70% Fluoropolymer Finish (Duranar), Add	30.20	
	For Clear Anodized Finish, Add	25.17	
	For Color Anodized Finish, Add	35.24	
08 51 13 00-0085	EA >10 To 15 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000).....	750.74	119.92
	For 50% Fluoropolymer Finish (Acrynar), Add	11.02	
	For 70% Fluoropolymer Finish (Duranar), Add	33.05	
	For Clear Anodized Finish, Add	27.54	
	For Color Anodized Finish, Add	38.56	
08 51 13 00-0086	EA >15 To 20 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000).....	799.85	126.59
	For 50% Fluoropolymer Finish (Acrynar), Add	11.78	
	For 70% Fluoropolymer Finish (Duranar), Add	35.33	
	For Clear Anodized Finish, Add	29.44	
	For Color Anodized Finish, Add	41.22	
08 51 13 00-0087	EA >20 To 30 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000).....	922.55	133.25
	For 50% Fluoropolymer Finish (Acrynar), Add	14.01	
	For 70% Fluoropolymer Finish (Duranar), Add	42.03	
	For Clear Anodized Finish, Add	35.02	
	For Color Anodized Finish, Add	49.03	
08 51 13 00-0088	SF >30 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000).....	30.01	4.00
	For 50% Fluoropolymer Finish (Acrynar), Add	0.47	
	For 70% Fluoropolymer Finish (Duranar), Add	1.40	
	For Clear Anodized Finish, Add	1.17	
	For Color Anodized Finish, Add	1.63	
08 51 13 00-0089	Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Windows (08 51 13 00-0065)		
08 51 13 00-0090	4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330) (08 51 13 00-0089)		
08 51 13 00-0091	EA Up To 12 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330).....	1,504.99	106.60
	For 50% Fluoropolymer Finish (Acrynar), Add	26.55	
	For 70% Fluoropolymer Finish (Duranar), Add	79.64	
	For Clear Anodized Finish, Add	66.37	
	For Color Anodized Finish, Add	92.91	
08 51 13 00-0092	EA >12 To 18 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330).....	1,732.20	123.25
	For 50% Fluoropolymer Finish (Acrynar), Add	30.54	
	For 70% Fluoropolymer Finish (Duranar), Add	91.61	
	For Clear Anodized Finish, Add	76.34	
	For Color Anodized Finish, Add	106.87	
08 51 13 00-0093	EA >18 To 24 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330).....	1,871.53	129.92
	For 50% Fluoropolymer Finish (Acrynar), Add	33.10	
	For 70% Fluoropolymer Finish (Duranar), Add	99.30	
	For Clear Anodized Finish, Add	82.75	
	For Color Anodized Finish, Add	115.85	
08 51 13 00-0094	EA >24 To 40 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330).....	2,260.21	146.57
	For 50% Fluoropolymer Finish (Acrynar), Add	40.32	
	For 70% Fluoropolymer Finish (Duranar), Add	120.96	
	For Clear Anodized Finish, Add	100.80	
	For Color Anodized Finish, Add	141.11	
08 51 13 00-0095	EA >40 To 60 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330).....	2,609.32	166.56
	For 50% Fluoropolymer Finish (Acrynar), Add	46.63	
	For 70% Fluoropolymer Finish (Duranar), Add	139.90	
	For Clear Anodized Finish, Add	116.59	
	For Color Anodized Finish, Add	163.22	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0096	SF		>60 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330) .....	45.52	4.00
			For 50% Fluoropolymer Finish (Acrynar), Add	0.78	
			For 70% Fluoropolymer Finish (Duranar), Add	2.33	
			For Clear Anodized Finish, Add	1.94	
			For Color Anodized Finish, Add	2.72	
08 51 13 00-0097			<b>Fixed Aluminum Windows</b> (08 51 13 00-0001)		
08 51 13 00-0098			<b>2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)</b> (08 51 13 00-0097)		
08 51 13 00-0099	EA		Up To 6 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280) .....	431.74	106.60
			For 50% Fluoropolymer Finish (Acrynar), Add	5.08	
			For 70% Fluoropolymer Finish (Duranar), Add	15.24	
			For Clear Anodized Finish, Add	12.70	
			For Color Anodized Finish, Add	17.78	
08 51 13 00-0100	EA		>6 To 10 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280) .....	490.33	113.26
			For 50% Fluoropolymer Finish (Acrynar), Add	6.03	
			For 70% Fluoropolymer Finish (Duranar), Add	18.09	
			For Clear Anodized Finish, Add	15.08	
			For Color Anodized Finish, Add	21.11	
08 51 13 00-0101	EA		>10 To 15 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280) .....	518.05	119.92
			For 50% Fluoropolymer Finish (Acrynar), Add	6.36	
			For 70% Fluoropolymer Finish (Duranar), Add	19.09	
			For Clear Anodized Finish, Add	15.91	
			For Color Anodized Finish, Add	22.27	
08 51 13 00-0102	EA		>15 To 20 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280) .....	545.78	126.59
			For 50% Fluoropolymer Finish (Acrynar), Add	6.70	
			For 70% Fluoropolymer Finish (Duranar), Add	20.09	
			For Clear Anodized Finish, Add	16.74	
			For Color Anodized Finish, Add	23.44	
08 51 13 00-0103	EA		>20 To 30 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280) .....	711.22	133.25
			For 50% Fluoropolymer Finish (Acrynar), Add	9.78	
			For 70% Fluoropolymer Finish (Duranar), Add	29.35	
			For Clear Anodized Finish, Add	24.46	
			For Color Anodized Finish, Add	34.24	
08 51 13 00-0104	SF		>30 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280) .....	22.98	4.00
			For 50% Fluoropolymer Finish (Acrynar), Add	0.33	
			For 70% Fluoropolymer Finish (Duranar), Add	0.98	
			For Clear Anodized Finish, Add	0.82	
			For Color Anodized Finish, Add	1.14	
08 51 13 00-0105			<b>2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)</b> (08 51 13 00-0097)		
08 51 13 00-0106	EA		Up To 6 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800) .....	536.21	106.60
			For 50% Fluoropolymer Finish (Acrynar), Add	7.17	
			For 70% Fluoropolymer Finish (Duranar), Add	21.51	
			For Clear Anodized Finish, Add	17.93	
			For Color Anodized Finish, Add	25.10	
08 51 13 00-0107	EA		>6 To 10 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800) .....	611.42	113.26
			For 50% Fluoropolymer Finish (Acrynar), Add	8.45	
			For 70% Fluoropolymer Finish (Duranar), Add	25.36	
			For Clear Anodized Finish, Add	21.13	
			For Color Anodized Finish, Add	29.59	
08 51 13 00-0108	EA		>10 To 15 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800) .....	658.14	119.92
			For 50% Fluoropolymer Finish (Acrynar), Add	9.17	
			For 70% Fluoropolymer Finish (Duranar), Add	27.50	
			For Clear Anodized Finish, Add	22.91	
			For Color Anodized Finish, Add	32.08	
08 51 13 00-0109	EA		>15 To 20 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800) .....	707.24	126.59
			For 50% Fluoropolymer Finish (Acrynar), Add	9.93	
			For 70% Fluoropolymer Finish (Duranar), Add	29.78	
			For Clear Anodized Finish, Add	24.81	
			For Color Anodized Finish, Add	34.74	
08 51 13 00-0110	EA		>20 To 30 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800) .....	922.55	133.25
			For 50% Fluoropolymer Finish (Acrynar), Add	14.01	
			For 70% Fluoropolymer Finish (Duranar), Add	42.03	
			For Clear Anodized Finish, Add	35.02	
			For Color Anodized Finish, Add	49.03	
08 51 13 00-0111	SF		>30 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800) .....	30.01	4.00
			For 50% Fluoropolymer Finish (Acrynar), Add	0.47	
			For 70% Fluoropolymer Finish (Duranar), Add	1.40	
			For Clear Anodized Finish, Add	1.17	
			For Color Anodized Finish, Add	1.63	
08 51 13 00-0112			<b>3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)</b> (08 51 13 00-0097)		
08 51 13 00-0113	EA		Up To 6 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100) .....	464.98	106.60
			For 50% Fluoropolymer Finish (Acrynar), Add	5.75	
			For 70% Fluoropolymer Finish (Duranar), Add	17.24	
			For Clear Anodized Finish, Add	14.37	
			For Color Anodized Finish, Add	20.11	
08 51 13 00-0114	EA		>6 To 10 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100) .....	540.19	113.26
			For 50% Fluoropolymer Finish (Acrynar), Add	7.03	
			For 70% Fluoropolymer Finish (Duranar), Add	21.09	
			For Clear Anodized Finish, Add	17.57	
			For Color Anodized Finish, Add	24.60	

**08 Openings****08 50 Windows****08 51 Metal Windows**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 51 13 00-0115	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	582.16	119.92
		For 50% Fluoropolymer Finish (Acrynar), Add	7.65	
		For 70% Fluoropolymer Finish (Duranar), Add	22.94	
		For Clear Anodized Finish, Add	19.11	
		For Color Anodized Finish, Add	26.76	
08 51 13 00-0116	EA	>15 To 20 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	626.51	126.59
		For 50% Fluoropolymer Finish (Acrynar), Add	8.31	
		For 70% Fluoropolymer Finish (Duranar), Add	24.93	
		For Clear Anodized Finish, Add	20.78	
		For Color Anodized Finish, Add	29.09	
08 51 13 00-0117	EA	>20 To 30 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	829.94	133.25
		For 50% Fluoropolymer Finish (Acrynar), Add	12.16	
		For 70% Fluoropolymer Finish (Duranar), Add	36.47	
		For Clear Anodized Finish, Add	30.39	
		For Color Anodized Finish, Add	42.55	
08 51 13 00-0118	SF	>30 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	26.92	4.00
		For 50% Fluoropolymer Finish (Acrynar), Add	0.41	
		For 70% Fluoropolymer Finish (Duranar), Add	1.22	
		For Clear Anodized Finish, Add	1.01	
		For Color Anodized Finish, Add	1.42	
08 51 13 00-0119		<b>4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)</b> (08 51 13 00-0097)		
08 51 13 00-0120	EA	Up To 6 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	462.61	106.60
		For 50% Fluoropolymer Finish (Acrynar), Add	5.70	
		For 70% Fluoropolymer Finish (Duranar), Add	17.10	
		For Clear Anodized Finish, Add	14.25	
		For Color Anodized Finish, Add	19.95	
08 51 13 00-0121	EA	>6 To 10 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	530.69	113.26
		For 50% Fluoropolymer Finish (Acrynar), Add	6.84	
		For 70% Fluoropolymer Finish (Duranar), Add	20.52	
		For Clear Anodized Finish, Add	17.10	
		For Color Anodized Finish, Add	23.93	
08 51 13 00-0122	EA	>10 To 15 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	572.66	119.92
		For 50% Fluoropolymer Finish (Acrynar), Add	7.46	
		For 70% Fluoropolymer Finish (Duranar), Add	22.37	
		For Clear Anodized Finish, Add	18.64	
		For Color Anodized Finish, Add	26.10	
08 51 13 00-0123	EA	>15 To 20 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	617.01	126.59
		For 50% Fluoropolymer Finish (Acrynar), Add	8.12	
		For 70% Fluoropolymer Finish (Duranar), Add	24.36	
		For Clear Anodized Finish, Add	20.30	
		For Color Anodized Finish, Add	28.42	
08 51 13 00-0124	EA	>20 To 30 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	820.44	133.25
		For 50% Fluoropolymer Finish (Acrynar), Add	11.97	
		For 70% Fluoropolymer Finish (Duranar), Add	35.90	
		For Clear Anodized Finish, Add	29.92	
		For Color Anodized Finish, Add	41.89	
08 51 13 00-0125	SF	>30 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	26.62	4.00
		For 50% Fluoropolymer Finish (Acrynar), Add	0.40	
		For 70% Fluoropolymer Finish (Duranar), Add	1.20	
		For Clear Anodized Finish, Add	1.00	
		For Color Anodized Finish, Add	1.40	
08 51 13 00-0126		<b>Projected Aluminum Windows</b> (08 51 13 00-0001)		
08 51 13 00-0127		<b>Single Vent, Projected Aluminum Windows</b> (08 51 13 00-0126)		
08 51 13 00-0128		<b>2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)</b> (08 51 13 00-0127)		
08 51 13 00-0129	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)	610.30	106.60
		For 50% Fluoropolymer Finish (Acrynar), Add	8.65	
		For 70% Fluoropolymer Finish (Duranar), Add	25.96	
		For Clear Anodized Finish, Add	21.63	
		For Color Anodized Finish, Add	30.28	
08 51 13 00-0130	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)	661.05	113.26
		For 50% Fluoropolymer Finish (Acrynar), Add	9.45	
		For 70% Fluoropolymer Finish (Duranar), Add	28.34	
		For Clear Anodized Finish, Add	23.61	
		For Color Anodized Finish, Add	33.06	
08 51 13 00-0131	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)	719.88	119.92
		For 50% Fluoropolymer Finish (Acrynar), Add	10.40	
		For 70% Fluoropolymer Finish (Duranar), Add	31.20	
		For Clear Anodized Finish, Add	26.00	
		For Color Anodized Finish, Add	36.40	
08 51 13 00-0132	SF	>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)	41.34	4.00
		For 50% Fluoropolymer Finish (Acrynar), Add	0.69	
		For 70% Fluoropolymer Finish (Duranar), Add	2.08	
		For Clear Anodized Finish, Add	1.73	
		For Color Anodized Finish, Add	2.43	
08 51 13 00-0133		<b>2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)</b> (08 51 13 00-0127)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51	13 00-0134	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500).....	820.22	106.60
			For 50% Fluoropolymer Finish (Acrynar), Add	12.85	
			For 70% Fluoropolymer Finish (Duranar), Add	38.55	
			For Clear Anodized Finish, Add	32.13	
			For Color Anodized Finish, Add	44.98	
08 51	13 00-0135	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500).....	905.64	113.26
			For 50% Fluoropolymer Finish (Acrynar), Add	14.34	
			For 70% Fluoropolymer Finish (Duranar), Add	43.01	
			For Clear Anodized Finish, Add	35.84	
			For Color Anodized Finish, Add	50.18	
08 51	13 00-0136	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500).....	1,004.81	119.92
			For 50% Fluoropolymer Finish (Acrynar), Add	16.10	
			For 70% Fluoropolymer Finish (Duranar), Add	48.30	
			For Clear Anodized Finish, Add	40.25	
			For Color Anodized Finish, Add	56.35	
08 51	13 00-0137	SF	>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500).....	60.33	4.00
			For 50% Fluoropolymer Finish (Acrynar), Add	1.07	
			For 70% Fluoropolymer Finish (Duranar), Add	3.22	
			For Clear Anodized Finish, Add	2.68	
			For Color Anodized Finish, Add	3.76	
08 51	13 00-0138		<b>3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)</b> (08 51 13 00-0127)		
08 51	13 00-0139	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500).....	898.96	106.60
			For 50% Fluoropolymer Finish (Acrynar), Add	14.43	
			For 70% Fluoropolymer Finish (Duranar), Add	43.28	
			For Clear Anodized Finish, Add	36.06	
			For Color Anodized Finish, Add	50.49	
08 51	13 00-0140	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500).....	997.34	113.26
			For 50% Fluoropolymer Finish (Acrynar), Add	16.17	
			For 70% Fluoropolymer Finish (Duranar), Add	48.51	
			For Clear Anodized Finish, Add	40.43	
			For Color Anodized Finish, Add	56.60	
08 51	13 00-0141	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500).....	1,111.66	119.92
			For 50% Fluoropolymer Finish (Acrynar), Add	18.24	
			For 70% Fluoropolymer Finish (Duranar), Add	54.71	
			For Clear Anodized Finish, Add	45.59	
			For Color Anodized Finish, Add	63.83	
08 51	13 00-0142	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500).....	67.46	4.00
			For 50% Fluoropolymer Finish (Acrynar), Add	1.22	
			For 70% Fluoropolymer Finish (Duranar), Add	3.65	
			For Clear Anodized Finish, Add	3.04	
			For Color Anodized Finish, Add	4.26	
08 51	13 00-0143		<b>3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3600)</b> (08 51 13 00-0127)		
08 51	13 00-0144	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3600).....	953.19	106.60
			For 50% Fluoropolymer Finish (Acrynar), Add	15.51	
			For 70% Fluoropolymer Finish (Duranar), Add	46.53	
			For Clear Anodized Finish, Add	38.78	
			For Color Anodized Finish, Add	54.29	
08 51	13 00-0145	EA	>6 To 10 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600).....	1,060.53	113.26
			For 50% Fluoropolymer Finish (Acrynar), Add	17.44	
			For 70% Fluoropolymer Finish (Duranar), Add	52.31	
			For Clear Anodized Finish, Add	43.59	
			For Color Anodized Finish, Add	61.02	
08 51	13 00-0146	EA	>10 To 15 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600).....	1,185.27	119.92
			For 50% Fluoropolymer Finish (Acrynar), Add	19.71	
			For 70% Fluoropolymer Finish (Duranar), Add	59.12	
			For Clear Anodized Finish, Add	49.27	
			For Color Anodized Finish, Add	68.98	
08 51	13 00-0147	SF	>15 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600).....	72.37	4.00
			For 50% Fluoropolymer Finish (Acrynar), Add	1.31	
			For 70% Fluoropolymer Finish (Duranar), Add	3.94	
			For Clear Anodized Finish, Add	3.29	
			For Color Anodized Finish, Add	4.60	
08 51	13 00-0148		<b>4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)</b> (08 51 13 00-0127)		
08 51	13 00-0149	EA	Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750).....	946.19	106.60
			For 50% Fluoropolymer Finish (Acrynar), Add	15.37	
			For 70% Fluoropolymer Finish (Duranar), Add	46.11	
			For Clear Anodized Finish, Add	38.43	
			For Color Anodized Finish, Add	53.80	

**08 Openings****08 50 Windows****08 51 Metal Windows**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 51 13 00-0150	EA >6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750).....	1,052.38	113.26
	For 50% Fluoropolymer Finish (Acrynar), Add	17.27	
	For 70% Fluoropolymer Finish (Duranar), Add	51.82	
	For Clear Anodized Finish, Add	43.18	
	For Color Anodized Finish, Add	60.45	
08 51 13 00-0151	EA >10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750).....	1,175.77	119.92
	For 50% Fluoropolymer Finish (Acrynar), Add	19.52	
	For 70% Fluoropolymer Finish (Duranar), Add	58.55	
	For Clear Anodized Finish, Add	48.80	
	For Color Anodized Finish, Add	68.31	
08 51 13 00-0152	SF >15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750).....	71.73	4.00
	For 50% Fluoropolymer Finish (Acrynar), Add	1.30	
	For 70% Fluoropolymer Finish (Duranar), Add	3.90	
	For Clear Anodized Finish, Add	3.25	
	For Color Anodized Finish, Add	4.55	
08 51 13 00-0153	Fixed Over Vent, Projected Aluminum Windows (08 51 13 00-0126)		
08 51 13 00-0154	2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250) (08 51 13 00-0153)		
08 51 13 00-0155	EA Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250) .....	839.48	106.60
	For 50% Fluoropolymer Finish (Acrynar), Add	13.24	
	For 70% Fluoropolymer Finish (Duranar), Add	39.71	
	For Clear Anodized Finish, Add	33.09	
	For Color Anodized Finish, Add	46.33	
08 51 13 00-0156	EA >6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250) .....	928.06	113.26
	For 50% Fluoropolymer Finish (Acrynar), Add	14.79	
	For 70% Fluoropolymer Finish (Duranar), Add	44.36	
	For Clear Anodized Finish, Add	36.96	
	For Color Anodized Finish, Add	51.75	
08 51 13 00-0157	EA >10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250) .....	1,030.93	119.92
	For 50% Fluoropolymer Finish (Acrynar), Add	16.62	
	For 70% Fluoropolymer Finish (Duranar), Add	49.86	
	For Clear Anodized Finish, Add	41.55	
	For Color Anodized Finish, Add	58.17	
08 51 13 00-0158	SF >15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250).....	61.99	4.00
	For 50% Fluoropolymer Finish (Acrynar), Add	1.11	
	For 70% Fluoropolymer Finish (Duranar), Add	3.32	
	For Clear Anodized Finish, Add	2.77	
	For Color Anodized Finish, Add	3.87	
08 51 13 00-0159	2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500) (08 51 13 00-0153)		
08 51 13 00-0160	EA Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500) .....	1,171.88	106.60
	For 50% Fluoropolymer Finish (Acrynar), Add	19.88	
	For 70% Fluoropolymer Finish (Duranar), Add	59.65	
	For Clear Anodized Finish, Add	49.71	
	For Color Anodized Finish, Add	69.59	
08 51 13 00-0161	EA >6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500) .....	1,315.31	113.26
	For 50% Fluoropolymer Finish (Acrynar), Add	22.53	
	For 70% Fluoropolymer Finish (Duranar), Add	67.59	
	For Clear Anodized Finish, Add	56.33	
	For Color Anodized Finish, Add	78.86	
08 51 13 00-0162	EA >10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500) .....	1,482.08	119.92
	For 50% Fluoropolymer Finish (Acrynar), Add	25.64	
	For 70% Fluoropolymer Finish (Duranar), Add	76.93	
	For Clear Anodized Finish, Add	64.11	
	For Color Anodized Finish, Add	89.75	
08 51 13 00-0163	SF >15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500) .....	92.15	4.00
	For 50% Fluoropolymer Finish (Acrynar), Add	1.71	
	For 70% Fluoropolymer Finish (Duranar), Add	5.13	
	For Clear Anodized Finish, Add	4.27	
	For Color Anodized Finish, Add	5.98	
08 51 13 00-0164	3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500) (08 51 13 00-0153)		
08 51 13 00-0165	EA Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500) .....	1,241.86	106.60
	For 50% Fluoropolymer Finish (Acrynar), Add	21.28	
	For 70% Fluoropolymer Finish (Duranar), Add	63.85	
	For Clear Anodized Finish, Add	53.21	
	For Color Anodized Finish, Add	74.49	
08 51 13 00-0166	EA >6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500) .....	1,396.82	113.26
	For 50% Fluoropolymer Finish (Acrynar), Add	24.16	
	For 70% Fluoropolymer Finish (Duranar), Add	72.48	
	For Clear Anodized Finish, Add	60.40	
	For Color Anodized Finish, Add	84.56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0167	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	.....	1,577.06	119.92
		For 50% Fluoropolymer Finish (Acrynar), Add	.....	27.54	
		For 70% Fluoropolymer Finish (Duranar), Add	.....	82.63	
		For Clear Anodized Finish, Add	.....	68.86	
		For Color Anodized Finish, Add	.....	96.40	
08 51 13 00-0168	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	.....	98.32	4.00
		For 50% Fluoropolymer Finish (Acrynar), Add	.....	1.83	
		For 70% Fluoropolymer Finish (Duranar), Add	.....	5.50	
		For Clear Anodized Finish, Add	.....	4.58	
		For Color Anodized Finish, Add	.....	6.42	
<b>08 51 13 00-0169</b>		<b>3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)</b>	<small>(08 51 13 00-0153)</small>		
08 51 13 00-0170	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	.....	1,234.87	106.60
		For 50% Fluoropolymer Finish (Acrynar), Add	.....	21.14	
		For 70% Fluoropolymer Finish (Duranar), Add	.....	63.43	
		For Clear Anodized Finish, Add	.....	52.86	
		For Color Anodized Finish, Add	.....	74.00	
08 51 13 00-0171	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	.....	1,388.68	113.26
		For 50% Fluoropolymer Finish (Acrynar), Add	.....	24.00	
		For 70% Fluoropolymer Finish (Duranar), Add	.....	71.99	
		For Clear Anodized Finish, Add	.....	60.00	
		For Color Anodized Finish, Add	.....	83.99	
08 51 13 00-0172	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	.....	1,567.56	119.92
		For 50% Fluoropolymer Finish (Acrynar), Add	.....	27.35	
		For 70% Fluoropolymer Finish (Duranar), Add	.....	82.06	
		For Clear Anodized Finish, Add	.....	68.38	
		For Color Anodized Finish, Add	.....	95.74	
08 51 13 00-0173	SF	>15 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	.....	97.85	4.00
		For 50% Fluoropolymer Finish (Acrynar), Add	.....	1.82	
		For 70% Fluoropolymer Finish (Duranar), Add	.....	5.47	
		For Clear Anodized Finish, Add	.....	4.56	
		For Color Anodized Finish, Add	.....	6.38	
<b>08 51 13 00-0174</b>		<b>4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)</b>	<small>(08 51 13 00-0153)</small>		
08 51 13 00-0175	EA	Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	.....	1,343.34	106.60
		For 50% Fluoropolymer Finish (Acrynar), Add	.....	23.31	
		For 70% Fluoropolymer Finish (Duranar), Add	.....	69.94	
		For Clear Anodized Finish, Add	.....	58.28	
		For Color Anodized Finish, Add	.....	81.60	
08 51 13 00-0176	EA	>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	.....	1,515.05	113.26
		For 50% Fluoropolymer Finish (Acrynar), Add	.....	26.53	
		For 70% Fluoropolymer Finish (Duranar), Add	.....	79.58	
		For Clear Anodized Finish, Add	.....	66.31	
		For Color Anodized Finish, Add	.....	92.84	
08 51 13 00-0177	EA	>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	.....	1,714.78	119.92
		For 50% Fluoropolymer Finish (Acrynar), Add	.....	30.30	
		For 70% Fluoropolymer Finish (Duranar), Add	.....	90.89	
		For Clear Anodized Finish, Add	.....	75.75	
		For Color Anodized Finish, Add	.....	106.04	
08 51 13 00-0178	SF	>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	.....	107.58	4.00
		For 50% Fluoropolymer Finish (Acrynar), Add	.....	2.02	
		For 70% Fluoropolymer Finish (Duranar), Add	.....	6.05	
		For Clear Anodized Finish, Add	.....	5.05	
		For Color Anodized Finish, Add	.....	7.06	
08 51 13 00-0179		<b>Casement Aluminum Windows</b>	<small>(08 51 13 00-0001)</small>		
08 51 13 00-0180		<b>Single Vent, Casement Aluminum Windows</b>	<small>(08 51 13 00-0179)</small>		
08 51 13 00-0181		<b>2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220)</b>	<small>(08 51 13 00-0180)</small>		
08 51 13 00-0182	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220)	.....	696.01	106.60
		For 50% Fluoropolymer Finish (Acrynar), Add	.....	10.37	
		For 70% Fluoropolymer Finish (Duranar), Add	.....	31.10	
		For Clear Anodized Finish, Add	.....	25.92	
		For Color Anodized Finish, Add	.....	36.28	
08 51 13 00-0183	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220)	.....	760.92	113.26
		For 50% Fluoropolymer Finish (Acrynar), Add	.....	11.44	
		For 70% Fluoropolymer Finish (Duranar), Add	.....	34.33	
		For Clear Anodized Finish, Add	.....	28.61	
		For Color Anodized Finish, Add	.....	40.05	

**08 Openings**

08 50 Windows

08 51 Metal Windows

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 51 13 00-0184	EA >10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220) .....	836.23	119.92
	For 50% Fluoropolymer Finish (Acrynar), Add	12.73	
	For 70% Fluoropolymer Finish (Duranar), Add	38.18	
	For Clear Anodized Finish, Add	31.82	
	For Color Anodized Finish, Add	44.55	
08 51 13 00-0185	SF >15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220) .....	49.10	4.00
	For 50% Fluoropolymer Finish (Acrynar), Add	0.85	
	For 70% Fluoropolymer Finish (Duranar), Add	2.55	
	For Clear Anodized Finish, Add	2.12	
	For Color Anodized Finish, Add	2.97	
<b>08 51 13 00-0186 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200) (08 51 13 00-0180)</b>			
08 51 13 00-0187	EA Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200) .....	1,014.43	106.60
	For 50% Fluoropolymer Finish (Acrynar), Add	16.74	
	For 70% Fluoropolymer Finish (Duranar), Add	50.21	
	For Clear Anodized Finish, Add	41.84	
	For Color Anodized Finish, Add	58.57	
08 51 13 00-0188	EA >6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200) .....	1,131.86	113.26
	For 50% Fluoropolymer Finish (Acrynar), Add	18.86	
	For 70% Fluoropolymer Finish (Duranar), Add	56.59	
	For Clear Anodized Finish, Add	47.15	
	For Color Anodized Finish, Add	66.02	
08 51 13 00-0189	EA >10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200) .....	1,268.38	119.92
	For 50% Fluoropolymer Finish (Acrynar), Add	21.37	
	For 70% Fluoropolymer Finish (Duranar), Add	64.11	
	For Clear Anodized Finish, Add	53.43	
	For Color Anodized Finish, Add	74.80	
08 51 13 00-0190	SF >15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200) .....	77.90	4.00
	For 50% Fluoropolymer Finish (Acrynar), Add	1.42	
	For 70% Fluoropolymer Finish (Duranar), Add	4.27	
	For Clear Anodized Finish, Add	3.56	
	For Color Anodized Finish, Add	4.99	
<b>08 51 13 00-0191 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200) (08 51 13 00-0180)</b>			
08 51 13 00-0192	EA Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200) .....	1,019.68	106.60
	For 50% Fluoropolymer Finish (Acrynar), Add	16.84	
	For 70% Fluoropolymer Finish (Duranar), Add	50.52	
	For Clear Anodized Finish, Add	42.10	
	For Color Anodized Finish, Add	58.94	
08 51 13 00-0193	EA >6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200) .....	1,137.98	113.26
	For 50% Fluoropolymer Finish (Acrynar), Add	18.98	
	For 70% Fluoropolymer Finish (Duranar), Add	56.95	
	For Clear Anodized Finish, Add	47.46	
	For Color Anodized Finish, Add	66.44	
08 51 13 00-0194	EA >10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200) .....	1,275.50	119.92
	For 50% Fluoropolymer Finish (Acrynar), Add	21.51	
	For 70% Fluoropolymer Finish (Duranar), Add	64.54	
	For Clear Anodized Finish, Add	53.78	
	For Color Anodized Finish, Add	75.29	
08 51 13 00-0195	SF >15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200) .....	78.38	4.00
	For 50% Fluoropolymer Finish (Acrynar), Add	1.43	
	For 70% Fluoropolymer Finish (Duranar), Add	4.30	
	For Clear Anodized Finish, Add	3.59	
	For Color Anodized Finish, Add	5.02	
<b>08 51 13 00-0196 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720) (08 51 13 00-0180)</b>			
08 51 13 00-0197	EA Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720) .....	1,073.91	106.60
	For 50% Fluoropolymer Finish (Acrynar), Add	17.92	
	For 70% Fluoropolymer Finish (Duranar), Add	53.77	
	For Clear Anodized Finish, Add	44.81	
	For Color Anodized Finish, Add	62.74	
08 51 13 00-0198	EA >6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720) .....	1,201.17	113.26
	For 50% Fluoropolymer Finish (Acrynar), Add	20.25	
	For 70% Fluoropolymer Finish (Duranar), Add	60.74	
	For Clear Anodized Finish, Add	50.62	
	For Color Anodized Finish, Add	70.87	
08 51 13 00-0199	EA >10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720) .....	1,349.11	119.92
	For 50% Fluoropolymer Finish (Acrynar), Add	22.98	
	For 70% Fluoropolymer Finish (Duranar), Add	68.95	
	For Clear Anodized Finish, Add	57.46	
	For Color Anodized Finish, Add	80.45	
08 51 13 00-0200	SF >15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720) .....	83.29	4.00
	For 50% Fluoropolymer Finish (Acrynar), Add	1.53	
	For 70% Fluoropolymer Finish (Duranar), Add	4.60	
	For Clear Anodized Finish, Add	3.83	
	For Color Anodized Finish, Add	5.36	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 51 13 00-0201			Fixed Over Vent, Casement Aluminum Windows <small>(08 51 13 00-0179)</small>		
08 51 13 00-0202			2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220) <small>(08 51 13 00-0201)</small>		
08 51 13 00-0203	EA		Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220) .....	792.24	106.60
			For 50% Fluoropolymer Finish (Acrynar), Add	12.29	
			For 70% Fluoropolymer Finish (Duranar), Add	36.87	
			For Clear Anodized Finish, Add	30.73	
			For Color Anodized Finish, Add	43.02	
08 51 13 00-0204	EA		>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220) .....	873.02	113.26
			For 50% Fluoropolymer Finish (Acrynar), Add	13.69	
			For 70% Fluoropolymer Finish (Duranar), Add	41.06	
			For Clear Anodized Finish, Add	34.21	
			For Color Anodized Finish, Add	47.90	
08 51 13 00-0205	EA		>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220) .....	966.82	119.92
			For 50% Fluoropolymer Finish (Acrynar), Add	15.34	
			For 70% Fluoropolymer Finish (Duranar), Add	46.02	
			For Clear Anodized Finish, Add	38.35	
			For Color Anodized Finish, Add	53.69	
08 51 13 00-0206	SF		>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220).....	57.79	4.00
			For 50% Fluoropolymer Finish (Acrynar), Add	1.02	
			For 70% Fluoropolymer Finish (Duranar), Add	3.07	
			For Clear Anodized Finish, Add	2.56	
			For Color Anodized Finish, Add	3.58	
08 51 13 00-0207			2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200) <small>(08 51 13 00-0201)</small>		
08 51 13 00-0208	EA		Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200) .....	1,110.64	106.60
			For 50% Fluoropolymer Finish (Acrynar), Add	18.66	
			For 70% Fluoropolymer Finish (Duranar), Add	55.98	
			For Clear Anodized Finish, Add	46.65	
			For Color Anodized Finish, Add	65.31	
08 51 13 00-0209	EA		>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200) .....	1,243.96	113.26
			For 50% Fluoropolymer Finish (Acrynar), Add	21.10	
			For 70% Fluoropolymer Finish (Duranar), Add	63.31	
			For Clear Anodized Finish, Add	52.76	
			For Color Anodized Finish, Add	73.86	
08 51 13 00-0210	EA		>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200) .....	1,398.97	119.92
			For 50% Fluoropolymer Finish (Acrynar), Add	23.98	
			For 70% Fluoropolymer Finish (Duranar), Add	71.95	
			For Clear Anodized Finish, Add	59.96	
			For Color Anodized Finish, Add	83.94	
08 51 13 00-0211	SF		>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200) .....	86.62	4.00
			For 50% Fluoropolymer Finish (Acrynar), Add	1.60	
			For 70% Fluoropolymer Finish (Duranar), Add	4.80	
			For Clear Anodized Finish, Add	4.00	
			For Color Anodized Finish, Add	5.60	
08 51 13 00-0212			3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200) <small>(08 51 13 00-0201)</small>		
08 51 13 00-0213	EA		Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200) .....	1,227.87	106.60
			For 50% Fluoropolymer Finish (Acrynar), Add	21.00	
			For 70% Fluoropolymer Finish (Duranar), Add	63.01	
			For Clear Anodized Finish, Add	52.51	
			For Color Anodized Finish, Add	73.51	
08 51 13 00-0214	EA		>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200) .....	1,380.54	113.26
			For 50% Fluoropolymer Finish (Acrynar), Add	23.84	
			For 70% Fluoropolymer Finish (Duranar), Add	71.51	
			For Clear Anodized Finish, Add	59.59	
			For Color Anodized Finish, Add	83.42	
08 51 13 00-0215	EA		>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200) .....	1,558.06	119.92
			For 50% Fluoropolymer Finish (Acrynar), Add	27.16	
			For 70% Fluoropolymer Finish (Duranar), Add	81.49	
			For Clear Anodized Finish, Add	67.91	
			For Color Anodized Finish, Add	95.07	
08 51 13 00-0216	SF		>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200) .....	97.21	4.00
			For 50% Fluoropolymer Finish (Acrynar), Add	1.81	
			For 70% Fluoropolymer Finish (Duranar), Add	5.43	
			For Clear Anodized Finish, Add	4.53	
			For Color Anodized Finish, Add	6.34	
08 51 13 00-0217			4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720) <small>(08 51 13 00-0201)</small>		

**08 Openings****08 50 Windows****08 51 Metal Windows**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0218	EA		Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720) .....	1,334.58	106.60
			For 50% Fluoropolymer Finish (Acrynar), Add	23.14	
			For 70% Fluoropolymer Finish (Duranar), Add	69.41	
			For Clear Anodized Finish, Add	57.85	
			For Color Anodized Finish, Add	80.98	
08 51 13 00-0219	EA		>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720) .....	1,504.86	113.26
			For 50% Fluoropolymer Finish (Acrynar), Add	26.32	
			For 70% Fluoropolymer Finish (Duranar), Add	78.97	
			For Clear Anodized Finish, Add	65.80	
			For Color Anodized Finish, Add	92.13	
08 51 13 00-0220	EA		>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720) .....	1,702.90	119.92
			For 50% Fluoropolymer Finish (Acrynar), Add	30.06	
			For 70% Fluoropolymer Finish (Duranar), Add	90.18	
			For Clear Anodized Finish, Add	75.15	
			For Color Anodized Finish, Add	105.21	
08 51 13 00-0221	SF		>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720) .....	106.87	4.00
			For 50% Fluoropolymer Finish (Acrynar), Add	2.00	
			For 70% Fluoropolymer Finish (Duranar), Add	6.01	
			For Clear Anodized Finish, Add	5.01	
			For Color Anodized Finish, Add	7.01	
08 51 13 00-0222			Aluminum Window Accessories (08 51 13)		
08 51 13 00-0223			Aluminum Window Mullions (08 51 13 00-0222)		
08 51 13 00-0224	LF		Integral Mullions For Aluminum Windows .....	24.36	4.99
			For 50% Fluoropolymer Finish (Acrynar), Add	0.30	
			For 70% Fluoropolymer Finish (Duranar), Add	0.91	
			For Clear Anodized Finish, Add	0.76	
			For Color Anodized Finish, Add	1.06	
08 51 13 00-0225			Aluminum Window Panning (08 51 13 00-0222)		
			Note: Panning price is determined by window size. For windows greater than 30 square feet multiply window square footage by square foot price.		
08 51 13 00-0226	EA		Up To 6 SF Window, Aluminum Window Panning .....	247.15	40.79
			For 50% Fluoropolymer Finish (Acrynar), Add	3.58	
			For 70% Fluoropolymer Finish (Duranar), Add	10.75	
			For Clear Anodized Finish, Add	8.96	
			For Color Anodized Finish, Add	12.54	
08 51 13 00-0227	EA		>6 To 10 SF Window, Aluminum Window Panning .....	344.28	67.99
			For 50% Fluoropolymer Finish (Acrynar), Add	4.62	
			For 70% Fluoropolymer Finish (Duranar), Add	13.86	
			For Clear Anodized Finish, Add	11.55	
			For Color Anodized Finish, Add	16.17	
08 51 13 00-0228	EA		>10 To 15 SF Window, Aluminum Window Panning .....	422.53	101.99
			For 50% Fluoropolymer Finish (Acrynar), Add	5.05	
			For 70% Fluoropolymer Finish (Duranar), Add	15.15	
			For Clear Anodized Finish, Add	12.63	
			For Color Anodized Finish, Add	17.68	
08 51 13 00-0229	EA		>15 To 20 SF Window, Aluminum Window Panning .....	505.09	135.98
			For 50% Fluoropolymer Finish (Acrynar), Add	5.57	
			For 70% Fluoropolymer Finish (Duranar), Add	16.71	
			For Clear Anodized Finish, Add	13.92	
			For Color Anodized Finish, Add	19.49	
08 51 13 00-0230	EA		>20 To 30 SF Window, Aluminum Window Panning .....	668.06	203.97
			For 50% Fluoropolymer Finish (Acrynar), Add	6.56	
			For 70% Fluoropolymer Finish (Duranar), Add	19.69	
			For Clear Anodized Finish, Add	16.41	
			For Color Anodized Finish, Add	22.97	
08 51 13 00-0231	SF		>30 SF Window, Aluminum Window Panning .....	24.42	8.50
			For 50% Fluoropolymer Finish (Acrynar), Add	0.21	
			For 70% Fluoropolymer Finish (Duranar), Add	0.62	
			For Clear Anodized Finish, Add	0.51	
			For Color Anodized Finish, Add	0.72	
08 51 13 00-0232			Aluminum Window Muntins, Grilles Or Dividers (08 51 13 00-0222)		
08 51 13 00-0233	SF		Applied (Per Side) Muntins Grilles Or Dividers For Aluminum Windows .....	7.64	4.99
			For 50% Fluoropolymer Finish (Acrynar), Add	0.02	
			For 70% Fluoropolymer Finish (Duranar), Add	0.06	
			For Clear Anodized Finish, Add	0.05	
			For Color Anodized Finish, Add	0.07	
08 51 13 00-0234	SF		Internal Only (Between Glass) Muntins, Grilles Or Dividers For Aluminum Windows .....	10.45	4.99
			For 50% Fluoropolymer Finish (Acrynar), Add	0.08	
			For 70% Fluoropolymer Finish (Duranar), Add	0.23	
			For Clear Anodized Finish, Add	0.19	
			For Color Anodized Finish, Add	0.26	
08 51 13 00-0235	SF		Simulated Divided Lite Muntins Grilles Or Dividers For Aluminum Windows .....	22.06	4.99
			For 50% Fluoropolymer Finish (Acrynar), Add	0.11	
			For 70% Fluoropolymer Finish (Duranar), Add	0.32	
			For Clear Anodized Finish, Add	0.27	
			For Color Anodized Finish, Add	0.38	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 51 13 00-0236	SF		True Divided Lite Muntins Grilles Or Dividers For Aluminum Windows .....	26.44	4.99
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.15	
			<i>For 70% Fluoropolymer Finish (Duramar), Add</i>	0.45	
			<i>For Clear Anodized Finish, Add</i>	0.38	
			<i>For Color Anodized Finish, Add</i>	0.53	

**08 51 13 00-0237 Other Aluminum Window Accessories (08 51 13 00-0222)**

08 51 13 00-0238	EA		Roto Operator For Casement Aluminum Windows .....	192.72	22.19
08 51 13 00-0239	EA		Head And Sill Automatic Locks For Hung Aluminum Windows.....	97.74	22.19

**08 51 19 Stainless-Steel Windows (08 51)**  
See CSI section 08 80 00 00-0000 for glazing.

**08 51 19 00-0001 Stainless Steel Windows Types (08 51 19)**

**08 51 19 00-0002 Industrial (08 51 19 00-0001)**

08 51 19 00-0003	SF		Stainless Steel Window With Horizontal Pivot Sash .....	87.93	6.67
08 51 19 00-0004	SF		Stainless Steel Window, Fixed Sash .....	66.25	6.67

**08 51 19 00-0005 Projected Sash (08 51 19 00-0001)**

08 51 19 00-0006	SF		Commercial Projected Sash Window - 40% Vented Stainless Steel .....	91.98	6.67
08 51 19 00-0007	SF		Intermediate Projected Sash Window - 40% Vented Stainless Steel.....	101.57	6.67

**08 51 19 00-0008 Other Type Sash (08 51 19 00-0001)**

08 51 19 00-0009	SF		Double Hung Stainless Steel Window Sash .....	111.13	6.67
08 51 19 00-0010	SF		Single Hung Stainless Steel Window Sash.....	78.56	6.67
08 51 19 00-0011	SF		Stainless Steel Picture Window Sash .....	65.61	6.67
08 51 19 00-0012	SF		Sliding Stainless Steel Window.....	114.64	6.67

**08 51 19 00-0013 Casements (08 51 19 00-0001)**

08 51 19 00-0014	SF		Stainless Steel Window Casements, 100% Vented Operable, Factory Primed .....	99.58	6.67
08 51 19 00-0015	SF		Stainless Steel Window Casements, 50% Vented Operable, Factory Primed .....	86.10	6.67
08 51 19 00-0016	SF		Stainless Steel Window Casements, Fixed Sash, Factory Primed .....	60.67	6.67

**08 51 23 Steel Windows (08 51)**

Note: All sashes are factory primed. See CSI section 08 80 00 00-0000 for glazing.

**08 51 23 00-0001 Steel Windows (08 51 23)**

**08 51 23 00-0002 Industrial (08 51 23 00-0001)**

08 51 23 00-0003	SF		Industrial Steel Window With Horizontal Pivot Sash .....	51.11	6.67
08 51 23 00-0004	SF		Industrial Steel Window, With Fixed Sash .....	46.27	6.67
08 51 23 00-0005	SF		Industrial Steel Window, With Operable Security Sash .....	70.98	6.67
08 51 23 00-0006	SF		Industrial Steel Window, With Fixed Security Sash .....	61.29	6.67

**08 51 23 00-0007 Projected Sash (08 51 23 00-0001)**

08 51 23 00-0008	SF		Commercial Projected Sash Window - 40% Vented Steel.....	56.13	6.67
08 51 23 00-0009	SF		Intermediate Projected Sash Window - 40% Vented Steel .....	61.45	6.67

**08 51 23 00-0010 Other Type Sash (08 51 23 00-0001)**

08 51 23 00-0011	SF		Double Hung Steel Window Sash .....	70.86	6.67
08 51 23 00-0012	SF		Steel Picture Window Sash.....	32.93	6.67
08 51 23 00-0013	SF		Fire Rated Double Hung Steel Window Sash .....	72.96	8.33
08 51 23 00-0014	SF		Single Hung Steel Window Sash .....	51.41	6.67

**08 51 23 00-0015 Casements (08 51 23 00-0001)**

08 51 23 00-0016	SF		Steel Window Casements, 100% Vented Operable, Factory Primed .....	63.97	3.33
08 51 23 00-0017	SF		Steel Window Casements, 50% Vented Operable, Factory Primed .....	55.92	3.33
08 51 23 00-0018	SF		Steel Window Casements, Fixed Sash, Factory Primed.....	40.72	4.99

**08 51 23 00-0019 Mullions (08 51 23 00-0001)**

08 51 23 00-0020	LF		Open Faced Steel Mullion.....	25.21	4.99
08 51 23 00-0021	LF		Covered Steel Mullions.....	40.44	4.99

**08 51 23 00-0022 Removal And Reinstallation Of Metal Window And Frame (08 51 23)**

Note: Steel or aluminum frame. Includes storage, cleaning and supply materials, caulk and sealants.

08 51 23 00-0023	SF		Removal And Reinstallation Of Metal Window And Frame .....	17.12	
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**08 52 Wood Windows (08 50)**

**08 52 11 Wood Windows (08 52)**

**08 Openings****08 50 Windows****08 52 Wood Windows**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 52 11 00-0001	<b>Sash-Only Replacement Kits For Double Hung Wood Windows</b> <small>(08 52 11)</small> Note: Includes demo of the existing sashes and jamb liners. Includes two sashes, jamb liners, insulated glass and all hardware needed for installation. Includes primed pine wood interior and exterior. Excludes window frame, trim, insect screens and grilles.		
08 52 11 00-0002	<b>30" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b> <small>(08 52 11 00-0001)</small>		
08 52 11 00-0003	EA 20" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	322.73	
	For Low-E Insulated Glass, Add	26.46	
	For Aluminum Clad Exterior, Add	28.35	
08 52 11 00-0004	EA 24" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	342.54	
	For Low-E Insulated Glass, Add	28.37	
	For Aluminum Clad Exterior, Add	30.39	
08 52 11 00-0005	EA 28" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	363.72	
	For Low-E Insulated Glass, Add	30.46	
	For Aluminum Clad Exterior, Add	32.64	
08 52 11 00-0006	EA 30" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	374.99	
	For Low-E Insulated Glass, Add	31.61	
	For Aluminum Clad Exterior, Add	33.86	
08 52 11 00-0007	EA 32" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	384.89	
	For Low-E Insulated Glass, Add	32.56	
	For Aluminum Clad Exterior, Add	34.88	
08 52 11 00-0008	EA 34" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	397.53	
	For Low-E Insulated Glass, Add	33.89	
	For Aluminum Clad Exterior, Add	36.31	
08 52 11 00-0009	EA 36" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	403.41	
	For Low-E Insulated Glass, Add	34.28	
	For Aluminum Clad Exterior, Add	36.73	
08 52 11 00-0010	EA 40" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	428.61	
	For Low-E Insulated Glass, Add	36.94	
	For Aluminum Clad Exterior, Add	39.57	
08 52 11 00-0011	EA 44" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	449.79	
	For Low-E Insulated Glass, Add	39.03	
	For Aluminum Clad Exterior, Add	41.82	
08 52 11 00-0012	<b>34" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b> <small>(08 52 11 00-0001)</small>		
08 52 11 00-0013	EA 20" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	342.54	
	For Low-E Insulated Glass, Add	28.37	
	For Aluminum Clad Exterior, Add	30.39	
08 52 11 00-0014	EA 24" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	363.72	
	For Low-E Insulated Glass, Add	30.46	
	For Aluminum Clad Exterior, Add	32.64	
08 52 11 00-0015	EA 28" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	381.79	
	For Low-E Insulated Glass, Add	32.56	
	For Aluminum Clad Exterior, Add	34.88	
08 52 11 00-0016	EA 30" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	397.53	
	For Low-E Insulated Glass, Add	33.89	
	For Aluminum Clad Exterior, Add	36.31	
08 52 11 00-0017	EA 32" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	407.44	
	For Low-E Insulated Glass, Add	34.84	
	For Aluminum Clad Exterior, Add	37.33	
08 52 11 00-0018	EA 34" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	418.71	
	For Low-E Insulated Glass, Add	35.98	
	For Aluminum Clad Exterior, Add	38.55	
08 52 11 00-0019	EA 36" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	428.61	
	For Low-E Insulated Glass, Add	36.94	
	For Aluminum Clad Exterior, Add	39.57	
08 52 11 00-0020	EA 40" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	449.79	
	For Low-E Insulated Glass, Add	39.03	
	For Aluminum Clad Exterior, Add	41.82	
08 52 11 00-0021	EA 44" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	470.97	
	For Low-E Insulated Glass, Add	41.13	
	For Aluminum Clad Exterior, Add	44.06	
08 52 11 00-0022	<b>36" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b> <small>(08 52 11 00-0001)</small>		
08 52 11 00-0023	EA 20" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	352.26	
	For Low-E Insulated Glass, Add	29.51	
	For Aluminum Clad Exterior, Add	31.62	
08 52 11 00-0024	EA 24" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	373.43	
	For Low-E Insulated Glass, Add	31.61	
	For Aluminum Clad Exterior, Add	33.86	
08 52 11 00-0025	EA 28" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	395.98	
	For Low-E Insulated Glass, Add	33.89	
	For Aluminum Clad Exterior, Add	36.31	
08 52 11 00-0026	EA 30" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	405.89	
	For Low-E Insulated Glass, Add	34.84	
	For Aluminum Clad Exterior, Add	37.33	
08 52 11 00-0027	EA 32" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	417.15	
	For Low-E Insulated Glass, Add	35.98	
	For Aluminum Clad Exterior, Add	38.55	
08 52 11 00-0028	EA 34" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	427.06	
	For Low-E Insulated Glass, Add	36.94	
	For Aluminum Clad Exterior, Add	39.57	
08 52 11 00-0029	EA 36" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	438.33	
	For Low-E Insulated Glass, Add	38.08	
	For Aluminum Clad Exterior, Add	40.80	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0030	EA		40" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	458.14	
			<i>For Low-E Insulated Glass, Add</i>	39.98	
			<i>For Aluminum Clad Exterior, Add</i>	42.84	
08 52 11 00-0031	EA		44" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	479.33	
			<i>For Low-E Insulated Glass, Add</i>	42.08	
			<i>For Aluminum Clad Exterior, Add</i>	45.08	
<b>08 52 11 00-0032</b>			<b>38" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b>		
			<small>(08 52 11 00-0001)</small>		
08 52 11 00-0033	EA		20" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	365.27	
			<i>For Low-E Insulated Glass, Add</i>	30.46	
			<i>For Aluminum Clad Exterior, Add</i>	32.64	
08 52 11 00-0034	EA		24" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	386.46	
			<i>For Low-E Insulated Glass, Add</i>	32.56	
			<i>For Aluminum Clad Exterior, Add</i>	34.88	
08 52 11 00-0035	EA		28" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	408.99	
			<i>For Low-E Insulated Glass, Add</i>	34.84	
			<i>For Aluminum Clad Exterior, Add</i>	37.33	
08 52 11 00-0036	EA		30" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	420.26	
			<i>For Low-E Insulated Glass, Add</i>	35.98	
			<i>For Aluminum Clad Exterior, Add</i>	38.55	
08 52 11 00-0037	EA		32" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	430.17	
			<i>For Low-E Insulated Glass, Add</i>	36.94	
			<i>For Aluminum Clad Exterior, Add</i>	39.57	
08 52 11 00-0038	EA		34" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	441.44	
			<i>For Low-E Insulated Glass, Add</i>	38.08	
			<i>For Aluminum Clad Exterior, Add</i>	40.80	
08 52 11 00-0039	EA		36" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	451.34	
			<i>For Low-E Insulated Glass, Add</i>	39.03	
			<i>For Aluminum Clad Exterior, Add</i>	41.82	
08 52 11 00-0040	EA		40" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	472.53	
			<i>For Low-E Insulated Glass, Add</i>	41.13	
			<i>For Aluminum Clad Exterior, Add</i>	44.06	
08 52 11 00-0041	EA		44" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	493.70	
			<i>For Low-E Insulated Glass, Add</i>	43.22	
			<i>For Aluminum Clad Exterior, Add</i>	46.31	
<b>08 52 11 00-0042</b>			<b>46" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b>		
			<small>(08 52 11 00-0001)</small>		
08 52 11 00-0043	EA		20" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	407.44	
			<i>For Low-E Insulated Glass, Add</i>	34.84	
			<i>For Aluminum Clad Exterior, Add</i>	37.33	
08 52 11 00-0044	EA		24" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	428.61	
			<i>For Low-E Insulated Glass, Add</i>	36.94	
			<i>For Aluminum Clad Exterior, Add</i>	39.57	
08 52 11 00-0045	EA		28" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	449.79	
			<i>For Low-E Insulated Glass, Add</i>	39.03	
			<i>For Aluminum Clad Exterior, Add</i>	41.82	
08 52 11 00-0046	EA		30" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	459.71	
			<i>For Low-E Insulated Glass, Add</i>	39.98	
			<i>For Aluminum Clad Exterior, Add</i>	42.84	
08 52 11 00-0047	EA		32" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	470.97	
			<i>For Low-E Insulated Glass, Add</i>	41.13	
			<i>For Aluminum Clad Exterior, Add</i>	44.06	
08 52 11 00-0048	EA		34" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	480.88	
			<i>For Low-E Insulated Glass, Add</i>	42.08	
			<i>For Aluminum Clad Exterior, Add</i>	45.08	
08 52 11 00-0049	EA		36" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	492.15	
			<i>For Low-E Insulated Glass, Add</i>	43.22	
			<i>For Aluminum Clad Exterior, Add</i>	46.31	
08 52 11 00-0050	EA		40" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	513.33	
			<i>For Low-E Insulated Glass, Add</i>	45.31	
			<i>For Aluminum Clad Exterior, Add</i>	48.55	
08 52 11 00-0051	EA		44" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	535.87	
			<i>For Low-E Insulated Glass, Add</i>	47.60	
			<i>For Aluminum Clad Exterior, Add</i>	51.00	
<b>08 52 11 00-0052</b>			<b>48" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b>		
			<small>(08 52 11 00-0001)</small>		
08 52 11 00-0053	EA		20" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	417.15	
			<i>For Low-E Insulated Glass, Add</i>	35.98	
			<i>For Aluminum Clad Exterior, Add</i>	38.55	
08 52 11 00-0054	EA		24" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	438.33	
			<i>For Low-E Insulated Glass, Add</i>	38.08	
			<i>For Aluminum Clad Exterior, Add</i>	40.80	
08 52 11 00-0055	EA		28" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	458.14	
			<i>For Low-E Insulated Glass, Add</i>	39.98	
			<i>For Aluminum Clad Exterior, Add</i>	42.84	
08 52 11 00-0056	EA		30" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	469.42	
			<i>For Low-E Insulated Glass, Add</i>	41.13	
			<i>For Aluminum Clad Exterior, Add</i>	44.06	
08 52 11 00-0057	EA		32" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	479.33	
			<i>For Low-E Insulated Glass, Add</i>	42.08	
			<i>For Aluminum Clad Exterior, Add</i>	45.08	
08 52 11 00-0058	EA		34" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	490.60	
			<i>For Low-E Insulated Glass, Add</i>	43.22	
			<i>For Aluminum Clad Exterior, Add</i>	46.31	

**08 Openings****08 50 Windows****08 52 Wood Windows**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 52 11 00-0059	EA	36" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	500.50	
		<i>For Low-E Insulated Glass, Add</i>	44.17	
		<i>For Aluminum Clad Exterior, Add</i>	47.33	
08 52 11 00-0060	EA	40" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	523.04	
		<i>For Low-E Insulated Glass, Add</i>	46.46	
		<i>For Aluminum Clad Exterior, Add</i>	49.77	
08 52 11 00-0061	EA	44" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	544.22	
		<i>For Low-E Insulated Glass, Add</i>	48.55	
		<i>For Aluminum Clad Exterior, Add</i>	52.02	
<b>08 52 11 00-0062</b>		<b>50" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b>		
		<small>(08 52 11 00-0001)</small>		
08 52 11 00-0063	EA	20" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	430.17	
		<i>For Low-E Insulated Glass, Add</i>	36.94	
		<i>For Aluminum Clad Exterior, Add</i>	39.57	
08 52 11 00-0064	EA	24" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	451.34	
		<i>For Low-E Insulated Glass, Add</i>	39.03	
		<i>For Aluminum Clad Exterior, Add</i>	41.82	
08 52 11 00-0065	EA	28" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	472.53	
		<i>For Low-E Insulated Glass, Add</i>	41.13	
		<i>For Aluminum Clad Exterior, Add</i>	44.06	
08 52 11 00-0066	EA	30" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	482.44	
		<i>For Low-E Insulated Glass, Add</i>	42.08	
		<i>For Aluminum Clad Exterior, Add</i>	45.08	
08 52 11 00-0067	EA	32" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	493.70	
		<i>For Low-E Insulated Glass, Add</i>	43.22	
		<i>For Aluminum Clad Exterior, Add</i>	46.31	
08 52 11 00-0068	EA	34" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	503.61	
		<i>For Low-E Insulated Glass, Add</i>	44.17	
		<i>For Aluminum Clad Exterior, Add</i>	47.33	
08 52 11 00-0069	EA	36" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	514.88	
		<i>For Low-E Insulated Glass, Add</i>	45.31	
		<i>For Aluminum Clad Exterior, Add</i>	48.55	
08 52 11 00-0070	EA	40" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	537.42	
		<i>For Low-E Insulated Glass, Add</i>	47.60	
		<i>For Aluminum Clad Exterior, Add</i>	51.00	
08 52 11 00-0071	EA	44" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	558.60	
		<i>For Low-E Insulated Glass, Add</i>	49.69	
		<i>For Aluminum Clad Exterior, Add</i>	53.24	
<b>08 52 11 00-0072</b>		<b>54" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b>		
		<small>(08 52 11 00-0001)</small>		
08 52 11 00-0073	EA	20" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	451.34	
		<i>For Low-E Insulated Glass, Add</i>	39.03	
		<i>For Aluminum Clad Exterior, Add</i>	41.82	
08 52 11 00-0074	EA	24" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	472.53	
		<i>For Low-E Insulated Glass, Add</i>	41.13	
		<i>For Aluminum Clad Exterior, Add</i>	44.06	
08 52 11 00-0075	EA	28" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	493.70	
		<i>For Low-E Insulated Glass, Add</i>	43.22	
		<i>For Aluminum Clad Exterior, Add</i>	46.31	
08 52 11 00-0076	EA	30" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	503.61	
		<i>For Low-E Insulated Glass, Add</i>	44.17	
		<i>For Aluminum Clad Exterior, Add</i>	47.33	
08 52 11 00-0077	EA	32" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	514.88	
		<i>For Low-E Insulated Glass, Add</i>	45.31	
		<i>For Aluminum Clad Exterior, Add</i>	48.55	
08 52 11 00-0078	EA	34" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	526.16	
		<i>For Low-E Insulated Glass, Add</i>	46.46	
		<i>For Aluminum Clad Exterior, Add</i>	49.77	
08 52 11 00-0079	EA	36" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	537.42	
		<i>For Low-E Insulated Glass, Add</i>	47.60	
		<i>For Aluminum Clad Exterior, Add</i>	51.00	
08 52 11 00-0080	EA	40" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	558.60	
		<i>For Low-E Insulated Glass, Add</i>	49.69	
		<i>For Aluminum Clad Exterior, Add</i>	53.24	
08 52 11 00-0081	EA	44" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	579.77	
		<i>For Low-E Insulated Glass, Add</i>	51.79	
		<i>For Aluminum Clad Exterior, Add</i>	55.49	
<b>08 52 11 00-0082</b>		<b>58" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b>		
		<small>(08 52 11 00-0001)</small>		
08 52 11 00-0083	EA	20" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	470.97	
		<i>For Low-E Insulated Glass, Add</i>	41.13	
		<i>For Aluminum Clad Exterior, Add</i>	44.06	
08 52 11 00-0084	EA	24" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	492.15	
		<i>For Low-E Insulated Glass, Add</i>	43.22	
		<i>For Aluminum Clad Exterior, Add</i>	46.31	
08 52 11 00-0085	EA	28" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	513.33	
		<i>For Low-E Insulated Glass, Add</i>	45.31	
		<i>For Aluminum Clad Exterior, Add</i>	48.55	
08 52 11 00-0086	EA	30" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	524.59	
		<i>For Low-E Insulated Glass, Add</i>	46.46	
		<i>For Aluminum Clad Exterior, Add</i>	49.77	
08 52 11 00-0087	EA	32" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	535.87	
		<i>For Low-E Insulated Glass, Add</i>	47.60	
		<i>For Aluminum Clad Exterior, Add</i>	51.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0088	EA		34" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	545.78	
			<i>For Low-E Insulated Glass, Add</i>	48.55	
			<i>For Aluminum Clad Exterior, Add</i>	52.02	
08 52 11 00-0089	EA		36" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	557.05	
			<i>For Low-E Insulated Glass, Add</i>	49.69	
			<i>For Aluminum Clad Exterior, Add</i>	53.24	
08 52 11 00-0090	EA		40" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	578.22	
			<i>For Low-E Insulated Glass, Add</i>	51.79	
			<i>For Aluminum Clad Exterior, Add</i>	55.49	
08 52 11 00-0091	EA		44" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	598.05	
			<i>For Low-E Insulated Glass, Add</i>	53.69	
			<i>For Aluminum Clad Exterior, Add</i>	57.53	
<b>08 52 11 00-0092</b>			<b>60" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b>		
			<small>(08 52 11 00-0001)</small>		
08 52 11 00-0093	EA		20" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	479.33	
			<i>For Low-E Insulated Glass, Add</i>	42.08	
			<i>For Aluminum Clad Exterior, Add</i>	45.08	
08 52 11 00-0094	EA		24" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	500.50	
			<i>For Low-E Insulated Glass, Add</i>	44.17	
			<i>For Aluminum Clad Exterior, Add</i>	47.33	
08 52 11 00-0095	EA		28" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	523.04	
			<i>For Low-E Insulated Glass, Add</i>	46.46	
			<i>For Aluminum Clad Exterior, Add</i>	49.77	
08 52 11 00-0096	EA		30" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	534.32	
			<i>For Low-E Insulated Glass, Add</i>	47.60	
			<i>For Aluminum Clad Exterior, Add</i>	51.00	
08 52 11 00-0097	EA		32" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	544.22	
			<i>For Low-E Insulated Glass, Add</i>	48.55	
			<i>For Aluminum Clad Exterior, Add</i>	52.02	
08 52 11 00-0098	EA		34" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	555.49	
			<i>For Low-E Insulated Glass, Add</i>	49.69	
			<i>For Aluminum Clad Exterior, Add</i>	53.24	
08 52 11 00-0099	EA		36" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	565.40	
			<i>For Low-E Insulated Glass, Add</i>	50.65	
			<i>For Aluminum Clad Exterior, Add</i>	54.26	
08 52 11 00-0100	EA		40" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	586.57	
			<i>For Low-E Insulated Glass, Add</i>	52.74	
			<i>For Aluminum Clad Exterior, Add</i>	56.51	
08 52 11 00-0101	EA		44" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	607.76	
			<i>For Low-E Insulated Glass, Add</i>	54.83	
			<i>For Aluminum Clad Exterior, Add</i>	58.75	
<b>08 52 11 00-0102</b>			<b>62" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b>		
			<small>(08 52 11 00-0001)</small>		
08 52 11 00-0103	EA		20" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	493.70	
			<i>For Low-E Insulated Glass, Add</i>	43.22	
			<i>For Aluminum Clad Exterior, Add</i>	46.31	
08 52 11 00-0104	EA		24" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	514.88	
			<i>For Low-E Insulated Glass, Add</i>	45.31	
			<i>For Aluminum Clad Exterior, Add</i>	48.55	
08 52 11 00-0105	EA		28" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	537.42	
			<i>For Low-E Insulated Glass, Add</i>	47.60	
			<i>For Aluminum Clad Exterior, Add</i>	51.00	
08 52 11 00-0106	EA		30" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	547.33	
			<i>For Low-E Insulated Glass, Add</i>	48.55	
			<i>For Aluminum Clad Exterior, Add</i>	52.02	
08 52 11 00-0107	EA		32" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	558.60	
			<i>For Low-E Insulated Glass, Add</i>	49.69	
			<i>For Aluminum Clad Exterior, Add</i>	53.24	
08 52 11 00-0108	EA		34" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	568.51	
			<i>For Low-E Insulated Glass, Add</i>	50.65	
			<i>For Aluminum Clad Exterior, Add</i>	54.26	
08 52 11 00-0109	EA		36" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	579.77	
			<i>For Low-E Insulated Glass, Add</i>	51.79	
			<i>For Aluminum Clad Exterior, Add</i>	55.49	
08 52 11 00-0110	EA		40" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	599.60	
			<i>For Low-E Insulated Glass, Add</i>	53.69	
			<i>For Aluminum Clad Exterior, Add</i>	57.53	
08 52 11 00-0111	EA		44" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	620.78	
			<i>For Low-E Insulated Glass, Add</i>	55.79	
			<i>For Aluminum Clad Exterior, Add</i>	59.77	
<b>08 52 11 00-0112</b>			<b>66" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b>		
			<small>(08 52 11 00-0001)</small>		
08 52 11 00-0113	EA		20" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	514.88	
			<i>For Low-E Insulated Glass, Add</i>	45.31	
			<i>For Aluminum Clad Exterior, Add</i>	48.55	
08 52 11 00-0114	EA		24" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	537.42	
			<i>For Low-E Insulated Glass, Add</i>	47.60	
			<i>For Aluminum Clad Exterior, Add</i>	51.00	
08 52 11 00-0115	EA		28" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	558.60	
			<i>For Low-E Insulated Glass, Add</i>	49.69	
			<i>For Aluminum Clad Exterior, Add</i>	53.24	
08 52 11 00-0116	EA		30" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	568.51	
			<i>For Low-E Insulated Glass, Add</i>	50.65	
			<i>For Aluminum Clad Exterior, Add</i>	54.26	

**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 52 11 00-0117	EA 32" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	579.77 51.79 55.49	
08 52 11 00-0118	EA 34" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	589.68 52.74 56.51	
08 52 11 00-0119	EA 36" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	599.60 53.69 57.53	
08 52 11 00-0120	EA 40" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	620.78 55.79 59.77	
08 52 11 00-0121	EA 44" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	641.95 57.88 62.01	
<b>08 52 11 00-0122 70" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b>			
<small>(08 52 11 00-0001)</small>			
08 52 11 00-0123	EA 20" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	535.87 47.60 51.00	
08 52 11 00-0124	EA 24" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	557.05 49.69 53.24	
08 52 11 00-0125	EA 28" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	578.22 51.79 55.49	
08 52 11 00-0126	EA 30" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	588.13 52.74 56.51	
08 52 11 00-0127	EA 32" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	598.05 53.69 57.53	
08 52 11 00-0128	EA 34" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	613.34 55.40 59.36	
08 52 11 00-0129	EA 36" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	620.64 55.98 59.98	
08 52 11 00-0130	EA 40" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	640.40 57.88 62.01	
08 52 11 00-0131	EA 44" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	662.93 60.17 64.46	
<b>08 52 11 00-0132 74" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b>			
<small>(08 52 11 00-0001)</small>			
08 52 11 00-0133	EA 20" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	558.60 49.69 53.24	
08 52 11 00-0134	EA 24" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	579.77 51.79 55.49	
08 52 11 00-0135	EA 28" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	599.60 53.69 57.53	
08 52 11 00-0136	EA 30" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	610.87 54.83 58.75	
08 52 11 00-0137	EA 32" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	620.78 55.79 59.77	
08 52 11 00-0138	EA 34" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	632.04 56.93 60.99	
08 52 11 00-0139	EA 36" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	641.95 57.88 62.01	
08 52 11 00-0140	EA 40" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	664.50 60.17 64.46	
08 52 11 00-0141	EA 44" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	685.67 62.26 66.71	
<b>08 52 11 00-0142 78" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b>			
<small>(08 52 11 00-0001)</small>			
08 52 11 00-0143	EA 20" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	586.00 51.79 55.49	
08 52 11 00-0144	EA 24" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	605.82 53.69 57.53	
08 52 11 00-0145	EA 28" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	626.99 55.79 59.77	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0146	EA		30" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	638.26 56.93 60.99	
08 52 11 00-0147	EA		32" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	648.18 57.88 62.01	
08 52 11 00-0148	EA		34" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	659.44 59.02 63.24	
08 52 11 00-0149	EA		36" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	670.71 60.17 64.46	
08 52 11 00-0150	EA		40" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	691.89 62.26 66.71	
08 52 11 00-0151	EA		44" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	713.06 64.35 68.95	
<b>08 52 11 00-0152</b>			<b>Commercial And Institutional Heavy Double Hung Windows</b> <small>(08 52 11)</small> Note: With true divided lites. Performance grade DP 40 in NWWDA I.S. 2-93. Includes complete unit with hardware, blocking and accessories, glazing, caulking, prepare opening, anchors, testing and certifications. Excludes painting.		
08 52 11 00-0153	SF		Up To 21 SF Double Hung Wood Window With True Divided Lite ..... <i>For Insulating Glass, Add</i>	94.04 5.63	13.88
08 52 11 00-0154	SF		21 To 40 SF Double Hung Wood Window With True Divided Lite ..... <i>For Insulating Glass, Add</i>	90.19 5.04	15.44
08 52 11 00-0155	SF		40 SF And Over Double Hung Wood Window With True Divided Lite ..... <i>For Insulating Glass, Add</i>	86.92 4.44	17.32
<b>08 52 11 00-0156</b>			<b>Architectural And Historic Reproduction Wood Windows</b> <small>(08 52 11)</small> Note: Fixed casement, awning, and double hung. With true divided lites. Casement performance grade DP 40; awning performance grade DP 25; double hung performance grade DP 30. Includes complete unit with hardware, blocking and accessories, glazing, caulking, prepare opening, anchors, testing and certifications. Excludes painting.		
08 52 11 00-0157	SF		Up To 21 SF Architectural And Historic Reproduction Wood Window ..... <i>For Insulating Glass, Add</i>	101.03 6.23	13.87
08 52 11 00-0158	SF		21 To 40 SF Architectural And Historic Reproduction Wood Window ..... <i>For Insulating Glass, Add</i>	93.96 5.37	15.43
08 52 11 00-0159	SF		40 SF And Over Architectural And Historic Reproduction Wood Window ..... <i>For Insulating Glass, Add</i>	89.13 4.63	17.31
<b>08 52 11 00-0160</b>			<b>Removal And Reinstallation Of Wood Window And Frame</b> <small>(08 52 11)</small> Note: Includes storage, cleaning and supply materials.		
08 52 11 00-0161	SF		Removal And Reinstallation Of Wood Windows And Frames.....	25.64	
<b>08 52 16</b>			<b>Plastic-Clad Wood Windows</b> <small>(08 52)</small>		
<b>08 52 16 00-0001</b>			<b>Double Hung Wood Clad Windows</b> <small>(08 52 16)</small> Note: Double hung windows feature two movable sashes that operate vertically and open independently.		
<b>08 52 16 00-0002</b>			<b>Double Hung Wood Clad Windows (Andersen 200 TW Series)</b> <small>(08 52 16 00-0001)</small> Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
<b>08 52 16 00-0003</b>			<b>35-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series)</b> <small>(08 52 16 00-0002)</small>		
08 52 16 00-0004	EA		23-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	309.23 24.85 41.41	51.08
08 52 16 00-0005	EA		27-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	327.10 26.46 44.10	53.30
08 52 16 00-0006	EA		31-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	343.85 27.94 46.56	55.52
08 52 16 00-0007	EA		35-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	360.61 29.42 49.03	57.74
<b>08 52 16 00-0008</b>			<b>41-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series)</b> <small>(08 52 16 00-0002)</small>		
08 52 16 00-0009	EA		23-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	334.92 27.13 45.22	54.41
08 52 16 00-0010	EA		27-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	352.79 28.74 47.91	56.63
08 52 16 00-0011	EA		31-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	369.55 30.22 50.37	58.85
08 52 16 00-0012	EA		35-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	386.30 31.70 52.83	61.07

**08 Openings****08 50 Windows****08 52 Wood Windows**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

		TOTAL DIRECT	DEMOLITION
		UNIT COST	UNIT COST
08 52 16 00-0013	<b>47-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series)</b> (08 52 16 00-0002)		
08 52 16 00-0014	EA 23-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	360.61	57.74
	For Low-E Insulated Glass, Add	29.42	
	For Tempered Clear Insulated Glass, Add	49.03	
08 52 16 00-0015	EA 27-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	377.36	59.97
	For Low-E Insulated Glass, Add	30.89	
	For Tempered Clear Insulated Glass, Add	51.49	
08 52 16 00-0016	EA 31-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	395.23	62.18
	For Low-E Insulated Glass, Add	32.50	
	For Tempered Clear Insulated Glass, Add	54.17	
08 52 16 00-0017	EA 35-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	411.99	64.41
	For Low-E Insulated Glass, Add	33.98	
	For Tempered Clear Insulated Glass, Add	56.64	
08 52 16 00-0018	<b>53-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series)</b> (08 52 16 00-0002)		
08 52 16 00-0019	EA 23-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	386.30	61.07
	For Low-E Insulated Glass, Add	31.70	
	For Tempered Clear Insulated Glass, Add	52.83	
08 52 16 00-0020	EA 27-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	403.06	63.30
	For Low-E Insulated Glass, Add	33.18	
	For Tempered Clear Insulated Glass, Add	55.29	
08 52 16 00-0021	EA 31-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	419.81	65.51
	For Low-E Insulated Glass, Add	34.65	
	For Tempered Clear Insulated Glass, Add	57.76	
08 52 16 00-0022	EA 35-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	437.68	67.74
	For Low-E Insulated Glass, Add	36.27	
	For Tempered Clear Insulated Glass, Add	60.44	
08 52 16 00-0023	<b>56-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series)</b> (08 52 16 00-0002)		
08 52 16 00-0024	EA 19-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	381.84	61.07
	For Low-E Insulated Glass, Add	31.30	
	For Tempered Clear Insulated Glass, Add	52.16	
08 52 16 00-0025	EA 23-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	398.59	62.73
	For Low-E Insulated Glass, Add	32.77	
	For Tempered Clear Insulated Glass, Add	54.62	
08 52 16 00-0026	EA 27-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	416.46	65.51
	For Low-E Insulated Glass, Add	34.38	
	For Tempered Clear Insulated Glass, Add	57.31	
08 52 16 00-0027	EA 31-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	433.21	67.74
	For Low-E Insulated Glass, Add	35.86	
	For Tempered Clear Insulated Glass, Add	59.77	
08 52 16 00-0028	EA 35-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	449.97	69.95
	For Low-E Insulated Glass, Add	37.34	
	For Tempered Clear Insulated Glass, Add	62.23	
08 52 16 00-0029	EA 39-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	466.72	72.18
	For Low-E Insulated Glass, Add	38.82	
	For Tempered Clear Insulated Glass, Add	64.70	
08 52 16 00-0030	<b>59-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series)</b> (08 52 16 00-0002)		
08 52 16 00-0031	EA 19-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	395.23	62.18
	For Low-E Insulated Glass, Add	32.50	
	For Tempered Clear Insulated Glass, Add	54.17	
08 52 16 00-0032	EA 23-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	411.99	64.41
	For Low-E Insulated Glass, Add	33.98	
	For Tempered Clear Insulated Glass, Add	56.64	
08 52 16 00-0033	EA 27-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	428.75	66.62
	For Low-E Insulated Glass, Add	35.46	
	For Tempered Clear Insulated Glass, Add	59.10	
08 52 16 00-0034	EA 31-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	445.50	68.85
	For Low-E Insulated Glass, Add	36.94	
	For Tempered Clear Insulated Glass, Add	61.56	
08 52 16 00-0035	EA 35-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	462.25	71.06
	For Low-E Insulated Glass, Add	38.41	
	For Tempered Clear Insulated Glass, Add	64.02	
08 52 16 00-0036	EA 39-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	480.12	73.29
	For Low-E Insulated Glass, Add	40.03	
	For Tempered Clear Insulated Glass, Add	66.71	
08 52 16 00-0037	<b>65-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series)</b> (08 52 16 00-0002)		
08 52 16 00-0038	EA 23-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	437.68	67.74
	For Low-E Insulated Glass, Add	36.27	
	For Tempered Clear Insulated Glass, Add	60.44	
08 52 16 00-0039	EA 27-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	454.43	69.95
	For Low-E Insulated Glass, Add	37.74	
	For Tempered Clear Insulated Glass, Add	62.90	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 52 16 00-0040	EA		31-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	471.19 39.22 65.37	72.18
08 52 16 00-0041	EA		35-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	487.94 40.70 67.83	74.40
<b>08 52 16 00-0042</b>			<b>71-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series)</b> (08 52 16 00-0002)		
08 52 16 00-0043	EA		23-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	462.25 38.41 64.02	71.06
08 52 16 00-0044	EA		27-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	480.12 40.03 66.71	73.29
08 52 16 00-0045	EA		31-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	496.88 41.50 69.17	75.51
08 52 16 00-0046	EA		35-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	513.64 42.98 71.64	77.73
<b>08 52 16 00-0047</b>			<b>Double Hung Wood Clad Windows (Andersen 400 TW Series)</b> (08 52 16 00-0001) Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
<b>08 52 16 00-0048</b>			<b>36-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series)</b> (08 52 16 00-0047)		
08 52 16 00-0049	EA		21-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	375.28 54.85	51.08
08 52 16 00-0050	EA		25-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	397.63 58.43	52.75
08 52 16 00-0051	EA		29-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	421.10 62.23	54.96
08 52 16 00-0052	EA		31-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	433.40 64.25	56.63
08 52 16 00-0053	EA		33-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	444.56 66.04	57.74
08 52 16 00-0054	EA		35-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	455.75 67.83	58.85
08 52 16 00-0055	EA		37-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	468.03 69.84	59.41
08 52 16 00-0056	EA		41-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	490.38 73.43	61.63
08 52 16 00-0057	EA		45-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	513.85 77.23	63.85
<b>08 52 16 00-0058</b>			<b>40-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series)</b> (08 52 16 00-0047)		
08 52 16 00-0059	EA		21-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	397.63 58.43	53.30
08 52 16 00-0060	EA		25-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	421.10 62.23	54.96
08 52 16 00-0061	EA		29-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	444.56 66.04	57.19
08 52 16 00-0062	EA		31-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	455.75 67.83	58.85
08 52 16 00-0063	EA		33-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	468.03 69.84	59.97
08 52 16 00-0064	EA		35-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	479.22 71.64	61.07
08 52 16 00-0065	EA		37-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	490.38 73.43	61.63
08 52 16 00-0066	EA		41-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	513.85 77.23	63.85
08 52 16 00-0067	EA		45-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	537.32 81.04	66.07
<b>08 52 16 00-0068</b>			<b>44-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series)</b> (08 52 16 00-0047)		
08 52 16 00-0069	EA		21-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	421.10 62.23	55.52
08 52 16 00-0070	EA		25-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	444.56 66.04	57.19
08 52 16 00-0071	EA		29-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	468.03 69.84	59.41
08 52 16 00-0072	EA		31-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	479.22 71.64	61.07
08 52 16 00-0073	EA		33-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	490.38 73.43	62.18
08 52 16 00-0074	EA		35-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	502.68 75.44	63.30

**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0075	EA		37-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	513.85 77.23	63.85
08 52 16 00-0076	EA		41-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	537.32 81.04	66.07
08 52 16 00-0077	EA		45-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	560.80 84.84	68.29
<b>08 52 16 00-0078</b>			<b>48-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)</b>		
08 52 16 00-0079	EA		21-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	444.56 66.04	57.74
08 52 16 00-0080	EA		25-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	468.03 69.84	59.41
08 52 16 00-0081	EA		29-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	490.38 73.43	61.63
08 52 16 00-0082	EA		31-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	502.68 75.44	63.30
08 52 16 00-0083	EA		33-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	513.85 77.23	64.41
08 52 16 00-0084	EA		35-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	525.03 79.02	65.51
08 52 16 00-0085	EA		37-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	537.32 81.04	66.07
08 52 16 00-0086	EA		41-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	560.80 84.84	68.29
08 52 16 00-0087	EA		45-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	583.15 88.42	70.51
<b>08 52 16 00-0088</b>			<b>52-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)</b>		
08 52 16 00-0089	EA		21-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	468.03 69.84	59.97
08 52 16 00-0090	EA		25-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	490.38 73.43	61.63
08 52 16 00-0091	EA		29-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	513.85 77.23	63.85
08 52 16 00-0092	EA		31-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	525.03 79.02	65.51
08 52 16 00-0093	EA		33-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	537.32 81.04	66.62
08 52 16 00-0094	EA		35-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	548.50 82.83	67.74
08 52 16 00-0095	EA		37-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	560.80 84.84	68.29
08 52 16 00-0096	EA		41-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	583.15 88.42	70.51
08 52 16 00-0097	EA		45-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	606.62 92.23	72.73
<b>08 52 16 00-0098</b>			<b>56-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)</b>		
08 52 16 00-0099	EA		21-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	490.38 73.43	62.18
08 52 16 00-0100	EA		25-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	513.85 77.23	63.85
08 52 16 00-0101	EA		29-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	537.32 81.04	66.07
08 52 16 00-0102	EA		31-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	548.50 82.83	67.74
08 52 16 00-0103	EA		33-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	560.80 84.84	68.85
08 52 16 00-0104	EA		35-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	571.97 86.63	69.95
08 52 16 00-0105	EA		37-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	583.15 88.42	70.51
08 52 16 00-0106	EA		41-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	606.62 92.23	72.73
08 52 16 00-0107	EA		45-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	630.09 96.04	74.95
<b>08 52 16 00-0108</b>			<b>60-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)</b>		
08 52 16 00-0109	EA		21-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	513.85 77.23	64.41
08 52 16 00-0110	EA		25-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	537.32 81.04	66.07
08 52 16 00-0111	EA		29-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	560.80 84.84	68.29
08 52 16 00-0112	EA		31-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	571.97 86.63	69.95
08 52 16 00-0113	EA		33-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	583.15 88.42	71.06

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0114	EA		35-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	595.44 90.44	72.18
08 52 16 00-0115	EA		37-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	606.62 92.23	72.73
08 52 16 00-0116	EA		41-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	630.09 96.04	74.95
08 52 16 00-0117	EA		45-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	652.44 99.62	77.17
<b>08 52 16 00-0118</b>			<b>64-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series)</b> <small>(08 52 16 00-0047)</small>		
08 52 16 00-0119	EA		21-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	537.32 81.04	66.62
08 52 16 00-0120	EA		25-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	560.80 84.84	68.29
08 52 16 00-0121	EA		29-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	583.15 88.42	70.51
08 52 16 00-0122	EA		31-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	595.44 90.44	72.18
08 52 16 00-0123	EA		33-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	606.62 92.23	73.29
08 52 16 00-0124	EA		35-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	617.79 94.02	74.40
08 52 16 00-0125	EA		37-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	630.09 96.04	74.95
08 52 16 00-0126	EA		41-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	652.44 99.62	77.17
08 52 16 00-0127	EA		45-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	675.91 103.42	79.39
<b>08 52 16 00-0128</b>			<b>68-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series)</b> <small>(08 52 16 00-0047)</small>		
08 52 16 00-0129	EA		21-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	560.80 84.84	68.85
08 52 16 00-0130	EA		25-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	583.15 88.42	70.51
08 52 16 00-0131	EA		29-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	606.62 92.23	72.73
08 52 16 00-0132	EA		31-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	617.79 94.02	74.40
08 52 16 00-0133	EA		33-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	630.09 96.04	75.51
08 52 16 00-0134	EA		35-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	641.25 97.83	76.62
08 52 16 00-0135	EA		37-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	652.44 99.62	77.17
08 52 16 00-0136	EA		41-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	675.91 103.42	79.39
08 52 16 00-0137	EA		45-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	699.37 107.23	81.62
<b>08 52 16 00-0138</b>			<b>72-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series)</b> <small>(08 52 16 00-0047)</small>		
08 52 16 00-0139	EA		21-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	583.15 88.42	71.06
08 52 16 00-0140	EA		25-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	606.62 92.23	72.73
08 52 16 00-0141	EA		29-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	630.09 96.04	74.95
08 52 16 00-0142	EA		31-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	641.25 97.83	76.62
08 52 16 00-0143	EA		33-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	652.44 99.62	77.73
08 52 16 00-0144	EA		35-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	664.72 101.63	78.84
08 52 16 00-0145	EA		37-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	675.91 103.42	79.39
08 52 16 00-0146	EA		41-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	699.37 107.23	81.62
08 52 16 00-0147	EA		45-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	722.84 111.03	83.84
<b>08 52 16 00-0148</b>			<b>76-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series)</b> <small>(08 52 16 00-0047)</small>		
08 52 16 00-0149	EA		21-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	606.62 92.23	73.29
08 52 16 00-0150	EA		25-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	630.09 96.04	74.95
08 52 16 00-0151	EA		29-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	652.44 99.62	77.17
08 52 16 00-0152	EA		31-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	664.72 101.63	78.84

**08 Openings****08 50 Windows****08 52 Wood Windows**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 52 16 00-0153	EA	33-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	675.91	79.95
		<i>For Tempered Low-E Insulated Glass, Add</i>	103.42	
08 52 16 00-0154	EA	35-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	688.19	81.06
		<i>For Tempered Low-E Insulated Glass, Add</i>	105.44	
08 52 16 00-0155	EA	37-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	699.37	81.62
		<i>For Tempered Low-E Insulated Glass, Add</i>	107.23	
08 52 16 00-0156	EA	41-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	722.84	83.84
		<i>For Tempered Low-E Insulated Glass, Add</i>	111.03	
08 52 16 00-0157	EA	45-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	745.19	86.06
		<i>For Tempered Low-E Insulated Glass, Add</i>	114.62	
<b>08 52 16 00-0158 84-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)</b>				
08 52 16 00-0159	EA	21-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	918.83	77.73
		<i>For Tempered Low-E Insulated Glass, Add</i>	152.90	
08 52 16 00-0160	EA	25-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	951.25	79.39
		<i>For Tempered Low-E Insulated Glass, Add</i>	158.49	
08 52 16 00-0161	EA	29-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	983.68	81.62
		<i>For Tempered Low-E Insulated Glass, Add</i>	164.09	
08 52 16 00-0162	EA	31-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	999.34	83.28
		<i>For Tempered Low-E Insulated Glass, Add</i>	166.78	
08 52 16 00-0163	EA	33-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,016.10	84.39
		<i>For Tempered Low-E Insulated Glass, Add</i>	169.69	
08 52 16 00-0164	EA	35-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,031.76	85.50
		<i>For Tempered Low-E Insulated Glass, Add</i>	172.37	
08 52 16 00-0165	EA	37-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,047.40	86.06
		<i>For Tempered Low-E Insulated Glass, Add</i>	175.06	
08 52 16 00-0166	EA	41-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,079.83	88.28
		<i>For Tempered Low-E Insulated Glass, Add</i>	180.66	
08 52 16 00-0167	EA	45-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,112.25	90.50
		<i>For Tempered Low-E Insulated Glass, Add</i>	186.25	
<b>08 52 16 00-0168 88-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)</b>				
08 52 16 00-0169	EA	21-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	951.25	79.95
		<i>For Tempered Low-E Insulated Glass, Add</i>	158.49	
08 52 16 00-0170	EA	25-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	983.68	81.62
		<i>For Tempered Low-E Insulated Glass, Add</i>	164.09	
08 52 16 00-0171	EA	29-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,016.10	83.84
		<i>For Tempered Low-E Insulated Glass, Add</i>	169.69	
08 52 16 00-0172	EA	31-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,031.76	85.50
		<i>For Tempered Low-E Insulated Glass, Add</i>	172.37	
08 52 16 00-0173	EA	33-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,047.40	86.61
		<i>For Tempered Low-E Insulated Glass, Add</i>	175.06	
08 52 16 00-0174	EA	35-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,064.18	87.73
		<i>For Tempered Low-E Insulated Glass, Add</i>	177.97	
08 52 16 00-0175	EA	37-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,079.83	88.28
		<i>For Tempered Low-E Insulated Glass, Add</i>	180.66	
08 52 16 00-0176	EA	41-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,112.25	90.50
		<i>For Tempered Low-E Insulated Glass, Add</i>	186.25	
08 52 16 00-0177	EA	45-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,144.67	92.72
		<i>For Tempered Low-E Insulated Glass, Add</i>	191.85	
<b>08 52 16 00-0178 Casement Wood Clad Windows (08 52 16)</b>				
Note: Casement windows are hinged on one side and swing inward or outward with a crank or push out operation.				
<b>08 52 16 00-0179 Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0178)</b>				
Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.				
<b>08 52 16 00-0180 One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0179)</b>				
<b>08 52 16 00-0181 24-1/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0180)</b>				
08 52 16 00-0182	EA	17" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	436.97	42.19
		<i>For Tempered Clear Insulated Glass, Add</i>	70.74	
08 52 16 00-0183	EA	20-1/2" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	462.24	43.31
		<i>For Tempered Clear Insulated Glass, Add</i>	75.13	
08 52 16 00-0184	EA	24-1/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	490.45	45.53
		<i>For Tempered Clear Insulated Glass, Add</i>	79.88	
08 52 16 00-0185	EA	28-3/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	516.44	47.75
		<i>For Tempered Clear Insulated Glass, Add</i>	84.19	
<b>08 52 16 00-0186 28-3/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0180)</b>				
08 52 16 00-0187	EA	17" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	468.85	44.42
		<i>For Tempered Clear Insulated Glass, Add</i>	76.22	
08 52 16 00-0188	EA	20-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	494.11	45.53
		<i>For Tempered Clear Insulated Glass, Add</i>	80.61	
08 52 16 00-0189	EA	24-1/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	522.32	47.75
		<i>For Tempered Clear Insulated Glass, Add</i>	85.37	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0190	EA		28-3/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	536.17 87.25	49.97
08 52 16 00-0191	EA		31-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	568.97 93.14	52.19
<b>08 52 16 00-0192</b>			<b>35-15/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0190)</small>		
08 52 16 00-0193	EA		17" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	525.98 86.10	47.75
08 52 16 00-0194	EA		20-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	553.08 90.85	49.97
08 52 16 00-0195	EA		24-1/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	581.30 95.61	51.64
08 52 16 00-0196	EA		28-3/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	625.97 103.65	53.85
08 52 16 00-0197	EA		31-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	668.56 111.50	55.52
08 52 16 00-0198	EA		35-15/16" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	710.15 119.38	56.63
<b>08 52 16 00-0199</b>			<b>40-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0190)</small>		
08 52 16 00-0200	EA		17" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	564.45 92.68	51.08
08 52 16 00-0201	EA		20-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	589.73 97.07	52.19
08 52 16 00-0202	EA		24-1/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	617.94 101.82	54.41
08 52 16 00-0203	EA		28-3/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	682.72 113.89	56.63
08 52 16 00-0204	EA		31-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	727.36 122.15	58.85
08 52 16 00-0205	EA		35-15/16" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	769.13 129.62	61.07
<b>08 52 16 00-0206</b>			<b>48" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0190)</small>		
08 52 16 00-0207	EA		17" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	619.05 101.82	55.52
08 52 16 00-0208	EA		20-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	646.15 106.58	56.63
08 52 16 00-0209	EA		24-1/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	674.37 111.33	58.85
08 52 16 00-0210	EA		28-3/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	763.83 128.34	61.07
08 52 16 00-0211	EA		31-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	798.73 134.65	63.30
08 52 16 00-0212	EA		35-15/16" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	851.15 144.25	65.51
<b>08 52 16 00-0213</b>			<b>52-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0190)</small>		
08 52 16 00-0214	EA		17" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	656.40 108.41	57.74
08 52 16 00-0215	EA		20-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	681.69 112.80	58.85
08 52 16 00-0216	EA		24-1/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	709.90 117.55	61.07
08 52 16 00-0217	EA		28-3/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	820.40 138.76	63.30
08 52 16 00-0218	EA		31-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	872.61 148.54	65.51
08 52 16 00-0219	EA		35-15/16" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	906.79 154.49	67.74
<b>08 52 16 00-0220</b>			<b>59-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0190)</small>		
08 52 16 00-0221	EA		17" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	709.90 117.55	61.07
08 52 16 00-0222	EA		20-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	737.00 122.30	63.30
08 52 16 00-0223	EA		24-1/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	765.21 127.06	64.96
08 52 16 00-0224	EA		28-3/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	901.31 153.39	67.18
08 52 16 00-0225	EA		31-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	938.25 160.11	68.85
08 52 16 00-0226	EA		35-15/16" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	987.71 169.12	71.06

**08 Openings****08 50 Windows****08 52 Wood Windows**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 52 16 00-0227	64-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0180)		
08 52 16 00-0228	EA 17" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	748.35	64.41
	For Tempered Clear Insulated Glass, Add	124.13	
08 52 16 00-0229	EA 20-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	773.64	65.51
	For Tempered Clear Insulated Glass, Add	128.52	
08 52 16 00-0230	EA 24-1/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	801.85	67.74
	For Tempered Clear Insulated Glass, Add	133.28	
08 52 16 00-0231	EA 28-3/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	958.06	69.95
	For Tempered Clear Insulated Glass, Add	163.63	
08 52 16 00-0232	EA 31-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	992.41	72.18
	For Tempered Clear Insulated Glass, Add	169.83	
08 52 16 00-0233	EA 35-15/16" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	1,044.46	74.40
	For Tempered Clear Insulated Glass, Add	179.36	
08 52 16 00-0234	71-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0180)		
08 52 16 00-0235	EA 17" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	801.85	67.74
	For Tempered Clear Insulated Glass, Add	133.28	
08 52 16 00-0236	EA 20-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	828.95	69.95
	For Tempered Clear Insulated Glass, Add	138.03	
08 52 16 00-0237	EA 24-1/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	857.16	71.63
	For Tempered Clear Insulated Glass, Add	142.78	
08 52 16 00-0238	EA 28-3/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	1,038.97	73.84
	For Tempered Clear Insulated Glass, Add	178.26	
08 52 16 00-0239	EA 31-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	1,081.20	75.51
	For Tempered Clear Insulated Glass, Add	186.04	
08 52 16 00-0240	EA 35-15/16" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	1,125.38	77.73
	For Tempered Clear Insulated Glass, Add	193.98	
08 52 16 00-0241	Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0179)		
08 52 16 00-0242	24-1/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)		
08 52 16 00-0243	EA 40-3/4" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	786.06	54.41
	For Tempered Clear Insulated Glass, Add	135.45	
08 52 16 00-0244	EA 48" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	893.97	58.85
	For Tempered Clear Insulated Glass, Add	155.25	
08 52 16 00-0245	EA 56-1/2" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	1,019.09	63.30
	For Tempered Clear Insulated Glass, Add	178.50	
08 52 16 00-0246	28-3/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)		
08 52 16 00-0247	EA 40-3/4" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	848.53	56.63
	For Tempered Clear Insulated Glass, Add	147.05	
08 52 16 00-0248	EA 48" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	956.44	61.07
	For Tempered Clear Insulated Glass, Add	166.86	
08 52 16 00-0249	EA 56-1/2" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	1,081.56	65.51
	For Tempered Clear Insulated Glass, Add	190.11	
08 52 16 00-0250	35-15/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)		
08 52 16 00-0251	EA 33-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	840.75	56.63
	For Tempered Clear Insulated Glass, Add	145.50	
08 52 16 00-0252	EA 40-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	950.93	61.07
	For Tempered Clear Insulated Glass, Add	165.98	
08 52 16 00-0253	EA 48" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	1,065.87	65.51
	For Tempered Clear Insulated Glass, Add	187.19	
08 52 16 00-0254	EA 56-1/2" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	1,199.10	69.40
	For Tempered Clear Insulated Glass, Add	212.06	
08 52 16 00-0255	EA 62-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	1,288.28	72.73
	For Tempered Clear Insulated Glass, Add	228.56	
08 52 16 00-0256	EA 71-5/8" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	1,437.01	77.73
	For Tempered Clear Insulated Glass, Add	256.31	
08 52 16 00-0257	40-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)		
08 52 16 00-0258	EA 33-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	917.62	59.41
	For Tempered Clear Insulated Glass, Add	159.76	
08 52 16 00-0259	EA 40-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	1,027.80	63.30
	For Tempered Clear Insulated Glass, Add	180.24	
08 52 16 00-0260	EA 48" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	1,142.74	67.74
	For Tempered Clear Insulated Glass, Add	201.45	
08 52 16 00-0261	EA 56-1/2" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	1,275.96	72.18
	For Tempered Clear Insulated Glass, Add	226.32	
08 52 16 00-0262	EA 62-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	1,374.85	75.51
	For Tempered Clear Insulated Glass, Add	244.77	
08 52 16 00-0263	EA 71-5/8" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	1,793.64	80.51
	For Tempered Clear Insulated Glass, Add	326.53	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>08 52 16 00-0264      48" Height, Two Operating Sashes, Casement Wood Clad Windows</b>					
<b>(Andersen 200 Series)</b> <small>(08 52 16 00-0241)</small>					
08 52 16 00-0265	EA		33-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,030.73	63.85
			<i>For Tempered Clear Insulated Glass, Add</i>	180.61	
08 52 16 00-0266	EA		40-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,142.74	67.74
			<i>For Tempered Clear Insulated Glass, Add</i>	201.45	
08 52 16 00-0267	EA		48" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,257.67	72.18
			<i>For Tempered Clear Insulated Glass, Add</i>	222.66	
08 52 16 00-0268	EA		56-1/2" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,390.91	76.62
			<i>For Tempered Clear Insulated Glass, Add</i>	247.53	
08 52 16 00-0269	EA		62-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,485.57	79.95
			<i>For Tempered Clear Insulated Glass, Add</i>	265.13	
08 52 16 00-0270	EA		71-5/8" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,628.83	84.95
			<i>For Tempered Clear Insulated Glass, Add</i>	291.79	
<b>08 52 16 00-0271      52-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows</b>					
<b>(Andersen 200 Series)</b> <small>(08 52 16 00-0241)</small>					
08 52 16 00-0272	EA		33-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	1,106.48	66.07
			<i>For Tempered Clear Insulated Glass, Add</i>	194.87	
08 52 16 00-0273	EA		40-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	1,216.66	69.95
			<i>For Tempered Clear Insulated Glass, Add</i>	215.35	
08 52 16 00-0274	EA		48" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,318.03	74.40
			<i>For Tempered Clear Insulated Glass, Add</i>	233.85	
08 52 16 00-0275	EA		56-1/2" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	1,464.83	78.84
			<i>For Tempered Clear Insulated Glass, Add</i>	261.43	
08 52 16 00-0276	EA		62-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	1,564.08	82.17
			<i>For Tempered Clear Insulated Glass, Add</i>	279.95	
08 52 16 00-0277	EA		71-5/8" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	1,704.58	87.16
			<i>For Tempered Clear Insulated Glass, Add</i>	306.05	
<b>08 52 16 00-0278      59-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows</b>					
<b>(Andersen 200 Series)</b> <small>(08 52 16 00-0241)</small>					
08 52 16 00-0279	EA		33-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	1,218.49	69.95
			<i>For Tempered Clear Insulated Glass, Add</i>	215.72	
08 52 16 00-0280	EA		40-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	1,328.66	74.40
			<i>For Tempered Clear Insulated Glass, Add</i>	236.20	
08 52 16 00-0281	EA		48" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,443.60	78.84
			<i>For Tempered Clear Insulated Glass, Add</i>	257.41	
08 52 16 00-0282	EA		56-1/2" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	1,576.84	82.72
			<i>For Tempered Clear Insulated Glass, Add</i>	282.28	
08 52 16 00-0283	EA		62-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	1,676.08	86.06
			<i>For Tempered Clear Insulated Glass, Add</i>	300.79	
08 52 16 00-0284	EA		71-5/8" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	1,814.75	91.05
			<i>For Tempered Clear Insulated Glass, Add</i>	326.53	
<b>08 52 16 00-0285      64-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows</b>					
<b>(Andersen 200 Series)</b> <small>(08 52 16 00-0241)</small>					
08 52 16 00-0286	EA		33-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	1,295.37	72.73
			<i>For Tempered Clear Insulated Glass, Add</i>	229.98	
08 52 16 00-0287	EA		40-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	1,405.54	76.62
			<i>For Tempered Clear Insulated Glass, Add</i>	250.46	
08 52 16 00-0288	EA		48" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,522.30	81.06
			<i>For Tempered Clear Insulated Glass, Add</i>	272.04	
08 52 16 00-0289	EA		56-1/2" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	1,655.53	85.50
			<i>For Tempered Clear Insulated Glass, Add</i>	296.91	
<b>08 52 16 00-0290      71-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows</b>					
<b>(Andersen 200 Series)</b> <small>(08 52 16 00-0241)</small>					
08 52 16 00-0291	EA		33-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	1,407.36	76.62
			<i>For Tempered Clear Insulated Glass, Add</i>	250.82	
08 52 16 00-0292	EA		40-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	1,517.53	81.06
			<i>For Tempered Clear Insulated Glass, Add</i>	271.31	
08 52 16 00-0293	EA		48" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,632.48	85.50
			<i>For Tempered Clear Insulated Glass, Add</i>	292.52	
08 52 16 00-0294	EA		56-1/2" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	1,765.71	89.39
			<i>For Tempered Clear Insulated Glass, Add</i>	317.39	
<b>08 52 16 00-0295      One Stationary Sash And Two Operating Sashes, Casement Wood Clad</b>					
<b>Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0179)</small>					
<b>08 52 16 00-0296      24-1/8" Height, One Stationary Sash And Two Operating Sashes,</b>					
<b>Casement Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0295)</small>					
08 52 16 00-0297	EA		71-7/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,249.40	71.63
			<i>For Tempered Clear Insulated Glass, Add</i>	221.23	
08 52 16 00-0298	EA		84-5/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,454.21	78.84
			<i>For Tempered Clear Insulated Glass, Add</i>	259.31	

**08 Openings****08 50 Windows****08 52 Wood Windows**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 52 16 00-0299		28-3/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0295)</small>		
08 52 16 00-0300	EA	71-7/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	1,326.28	73.84
		<i>For Tempered Clear Insulated Glass, Add</i>	235.72	
08 52 16 00-0301	EA	84-5/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	1,517.51	81.06
		<i>For Tempered Clear Insulated Glass, Add</i>	271.08	
08 52 16 00-0302		35-15/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0295)</small>		
08 52 16 00-0303	EA	61" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	1,276.33	72.18
		<i>For Tempered Clear Insulated Glass, Add</i>	226.40	
08 52 16 00-0304	EA	71-7/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	1,440.67	77.73
		<i>For Tempered Clear Insulated Glass, Add</i>	257.04	
08 52 16 00-0305	EA	84-5/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	1,643.46	85.50
		<i>For Tempered Clear Insulated Glass, Add</i>	294.71	
08 52 16 00-0306		40-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0295)</small>		
08 52 16 00-0307	EA	61" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	1,349.48	75.51
		<i>For Tempered Clear Insulated Glass, Add</i>	239.91	
08 52 16 00-0308	EA	71-7/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	1,519.35	80.51
		<i>For Tempered Clear Insulated Glass, Add</i>	271.67	
08 52 16 00-0309	EA	84-5/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	1,720.31	87.73
		<i>For Tempered Clear Insulated Glass, Add</i>	308.97	
08 52 16 00-0310		48" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0295)</small>		
08 52 16 00-0311	EA	71-7/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	1,632.48	84.95
		<i>For Tempered Clear Insulated Glass, Add</i>	292.52	
08 52 16 00-0312	EA	84-5/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	1,833.43	92.17
		<i>For Tempered Clear Insulated Glass, Add</i>	329.82	
08 52 16 00-0313		52-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0295)</small>		
08 52 16 00-0314	EA	71-7/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	1,708.24	87.16
		<i>For Tempered Clear Insulated Glass, Add</i>	306.78	
08 52 16 00-0315	EA	84-5/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	1,909.18	94.38
		<i>For Tempered Clear Insulated Glass, Add</i>	344.08	
08 52 16 00-0316		59-7/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0295)</small>		
08 52 16 00-0317	EA	71-7/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	1,818.41	91.05
		<i>For Tempered Clear Insulated Glass, Add</i>	327.26	
08 52 16 00-0318	EA	84-5/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	2,021.18	98.82
		<i>For Tempered Clear Insulated Glass, Add</i>	364.93	
08 52 16 00-0319		Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0178)</small> Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0320		One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0319)</small>		
08 52 16 00-0321		24-1/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0320)</small>		
08 52 16 00-0322	EA	17" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	522.00	42.19
		<i>For Tempered Low-E Insulated Glass, Add</i>	87.74	
08 52 16 00-0323	EA	20-1/2" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	552.76	43.31
		<i>For Tempered Low-E Insulated Glass, Add</i>	93.23	
08 52 16 00-0324	EA	24-1/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	586.91	45.53
		<i>For Tempered Low-E Insulated Glass, Add</i>	99.17	
08 52 16 00-0325	EA	28-3/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	618.29	47.75
		<i>For Tempered Low-E Insulated Glass, Add</i>	104.56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>08 52 16 00-0326 28-3/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)</b>					
08 52 16 00-0327	EA		17" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	560.73	44.42
			<i>For Tempered Low-E Insulated Glass, Add</i>	94.60	
08 52 16 00-0328	EA		20-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	591.48	45.53
			<i>For Tempered Low-E Insulated Glass, Add</i>	100.09	
08 52 16 00-0329	EA		24-1/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	625.64	47.75
			<i>For Tempered Low-E Insulated Glass, Add</i>	106.03	
08 52 16 00-0330	EA		28-3/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	641.83	49.97
			<i>For Tempered Low-E Insulated Glass, Add</i>	108.38	
08 52 16 00-0331	EA		31-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	682.00	52.19
			<i>For Tempered Low-E Insulated Glass, Add</i>	115.75	
<b>08 52 16 00-0332 35-15/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)</b>					
08 52 16 00-0333	EA		17" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	630.21	47.75
			<i>For Tempered Low-E Insulated Glass, Add</i>	106.94	
08 52 16 00-0334	EA		20-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	663.25	49.97
			<i>For Tempered Low-E Insulated Glass, Add</i>	112.89	
08 52 16 00-0335	EA		24-1/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	697.42	51.64
			<i>For Tempered Low-E Insulated Glass, Add</i>	118.83	
08 52 16 00-0336	EA		28-3/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	752.14	53.85
			<i>For Tempered Low-E Insulated Glass, Add</i>	128.89	
08 52 16 00-0337	EA		31-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	804.54	55.52
			<i>For Tempered Low-E Insulated Glass, Add</i>	138.70	
08 52 16 00-0338	EA		35-15/16" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	855.98	56.63
			<i>For Tempered Low-E Insulated Glass, Add</i>	148.54	
<b>08 52 16 00-0339 40-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)</b>					
08 52 16 00-0340	EA		17" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	676.91	51.08
			<i>For Tempered Low-E Insulated Glass, Add</i>	115.17	
08 52 16 00-0341	EA		20-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	707.67	52.19
			<i>For Tempered Low-E Insulated Glass, Add</i>	120.66	
08 52 16 00-0342	EA		24-1/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	741.83	54.41
			<i>For Tempered Low-E Insulated Glass, Add</i>	126.60	
08 52 16 00-0343	EA		28-3/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	821.69	56.63
			<i>For Tempered Low-E Insulated Glass, Add</i>	141.69	
08 52 16 00-0344	EA		31-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	876.65	58.85
			<i>For Tempered Low-E Insulated Glass, Add</i>	152.01	
08 52 16 00-0345	EA		35-15/16" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	927.76	61.07
			<i>For Tempered Low-E Insulated Glass, Add</i>	161.34	
<b>08 52 16 00-0346 48" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)</b>					
08 52 16 00-0347	EA		17" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	742.94	55.52
			<i>For Tempered Low-E Insulated Glass, Add</i>	126.60	
08 52 16 00-0348	EA		20-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	775.98	56.63
			<i>For Tempered Low-E Insulated Glass, Add</i>	132.54	
08 52 16 00-0349	EA		24-1/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	810.14	58.85
			<i>For Tempered Low-E Insulated Glass, Add</i>	138.49	
08 52 16 00-0350	EA		28-3/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	920.86	61.07
			<i>For Tempered Low-E Insulated Glass, Add</i>	159.74	
08 52 16 00-0351	EA		31-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	963.65	63.30
			<i>For Tempered Low-E Insulated Glass, Add</i>	167.63	
08 52 16 00-0352	EA		35-15/16" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	1,028.07	65.51
			<i>For Tempered Low-E Insulated Glass, Add</i>	179.63	
<b>08 52 16 00-0353 52-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)</b>					
08 52 16 00-0354	EA		17" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	788.52	57.74
			<i>For Tempered Low-E Insulated Glass, Add</i>	134.83	
08 52 16 00-0355	EA		20-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	819.29	58.85
			<i>For Tempered Low-E Insulated Glass, Add</i>	140.32	
08 52 16 00-0356	EA		24-1/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	853.44	61.07
			<i>For Tempered Low-E Insulated Glass, Add</i>	146.26	
08 52 16 00-0357	EA		28-3/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	990.45	63.30
			<i>For Tempered Low-E Insulated Glass, Add</i>	172.77	
08 52 16 00-0358	EA		31-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	1,054.89	65.51
			<i>For Tempered Low-E Insulated Glass, Add</i>	184.99	
08 52 16 00-0359	EA		35-15/16" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	1,096.51	67.74
			<i>For Tempered Low-E Insulated Glass, Add</i>	192.43	
<b>08 52 16 00-0360 59-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)</b>					
08 52 16 00-0361	EA		17" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	853.44	61.07
			<i>For Tempered Low-E Insulated Glass, Add</i>	146.26	

**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 52 16 00-0362	EA 20-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	886.49 152.20	63.30
08 52 16 00-0363	EA 24-1/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	920.64 158.14	64.96
08 52 16 00-0364	EA 28-3/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,089.65 191.06	67.18
08 52 16 00-0365	EA 31-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,134.99 199.46	68.85
08 52 16 00-0366	EA 35-15/16" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,195.71 210.72	71.06
<b>08 52 16 00-0367</b>	<b>64-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)</b>		
08 52 16 00-0368	EA 17" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	900.12 154.49	64.41
08 52 16 00-0369	EA 20-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	930.89 159.97	65.51
08 52 16 00-0370	EA 24-1/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	965.05 165.92	67.74
08 52 16 00-0371	EA 28-3/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,159.20 203.86	69.95
08 52 16 00-0372	EA 31-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,201.30 211.61	72.18
08 52 16 00-0373	EA 35-15/16" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,265.26 223.52	74.40
<b>08 52 16 00-0374</b>	<b>71-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)</b>		
08 52 16 00-0375	EA 17" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	965.05 165.92	67.74
08 52 16 00-0376	EA 20-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	998.09 171.86	69.95
08 52 16 00-0377	EA 24-1/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,032.25 177.80	71.63
08 52 16 00-0378	EA 28-3/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,258.40 222.14	73.84
08 52 16 00-0379	EA 31-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,310.35 231.87	75.51
08 52 16 00-0380	EA 35-15/16" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,364.47 241.80	77.73
<b>08 52 16 00-0381</b>	<b>Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0319)</b>		
<b>08 52 16 00-0382</b>	<b>24-1/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0381)</b>		
08 52 16 00-0383	EA 40-3/4" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	948.59 167.95	54.41
08 52 16 00-0384	EA 48" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,081.25 192.71	58.85
08 52 16 00-0385	EA 56-1/2" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,235.44 221.77	63.30
<b>08 52 16 00-0386</b>	<b>28-3/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0381)</b>		
08 52 16 00-0387	EA 40-3/4" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,025.56 182.46	56.63
08 52 16 00-0388	EA 48" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,158.23 207.22	61.07
08 52 16 00-0389	EA 56-1/2" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,312.41 236.28	65.51
<b>08 52 16 00-0390</b>	<b>35-15/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0381)</b>		
08 52 16 00-0391	EA 33-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,015.84 180.52	56.63
08 52 16 00-0392	EA 40-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,151.62 206.12	61.07
08 52 16 00-0393	EA 48" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,293.07 232.63	65.51
08 52 16 00-0394	EA 56-1/2" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,457.38 263.72	69.40
08 52 16 00-0395	EA 62-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,567.20 284.35	72.73
08 52 16 00-0396	EA 71-5/8" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,750.62 319.03	77.73
<b>08 52 16 00-0397</b>	<b>40-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0381)</b>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0398	EA		33-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,110.53 198.34	59.41
08 52 16 00-0399	EA		40-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,246.31 223.94	63.30
08 52 16 00-0400	EA		48" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,387.77 250.46	67.74
08 52 16 00-0401	EA		56-1/2" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,552.08 281.55	72.18
08 52 16 00-0402	EA		62-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,674.02 304.60	75.51
08 52 16 00-0403	EA		71-5/8" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	2,195.02 406.80	80.51
<b>08 52 16 00-0404</b>			<b>48" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0381)</small></b>		
08 52 16 00-0405	EA		33-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,249.70 224.40	63.85
08 52 16 00-0406	EA		40-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,387.77 250.46	67.74
08 52 16 00-0407	EA		48" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,529.22 276.97	72.18
08 52 16 00-0408	EA		56-1/2" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,693.54 308.06	76.62
08 52 16 00-0409	EA		62-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,810.20 330.06	79.95
08 52 16 00-0410	EA		71-5/8" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,986.77 363.37	84.95
<b>08 52 16 00-0411</b>			<b>52-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0381)</small></b>		
08 52 16 00-0412	EA		33-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,343.28 242.23	66.07
08 52 16 00-0413	EA		40-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,479.06 267.83	69.95
08 52 16 00-0414	EA		48" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,606.94 291.63	74.40
08 52 16 00-0415	EA		56-1/2" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,784.84 325.43	78.84
08 52 16 00-0416	EA		62-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,907.23 348.58	82.17
08 52 16 00-0417	EA		71-5/8" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	2,080.36 381.20	87.16
<b>08 52 16 00-0418</b>			<b>59-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0381)</small></b>		
08 52 16 00-0419	EA		33-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,481.35 268.29	69.95
08 52 16 00-0420	EA		40-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,617.12 293.89	74.40
08 52 16 00-0421	EA		48" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,758.57 320.40	78.84
08 52 16 00-0422	EA		56-1/2" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,922.90 351.49	82.72
08 52 16 00-0423	EA		62-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	2,045.29 374.64	86.06
08 52 16 00-0424	EA		71-5/8" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	2,216.13 406.80	91.05
<b>08 52 16 00-0425</b>			<b>64-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0381)</small></b>		
08 52 16 00-0426	EA		33-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,576.05 286.12	72.73
08 52 16 00-0427	EA		40-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,711.82 311.72	76.62
08 52 16 00-0428	EA		48" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,855.56 338.69	81.06
08 52 16 00-0429	EA		56-1/2" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	2,019.87 369.77	85.50
<b>08 52 16 00-0430</b>			<b>71-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0381)</small></b>		
08 52 16 00-0431	EA		33-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,714.11 312.17	76.62
08 52 16 00-0432	EA		40-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,849.87 337.77	81.06
08 52 16 00-0433	EA		48" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,991.34 364.29	85.50
08 52 16 00-0434	EA		56-1/2" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	2,155.65 395.37	89.39

**08 Openings****08 50 Windows****08 52 Wood Windows**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 52 16 00-0435		One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0319)</small>		
08 52 16 00-0436		24-1/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0435)</small>		
08 52 16 00-0437	EA	71-7/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,522.55	71.63
		<i>For Tempered Low-E Insulated Glass, Add</i>	275.86	
08 52 16 00-0438	EA	84-5/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,771.56	78.84
		<i>For Tempered Low-E Insulated Glass, Add</i>	322.78	
08 52 16 00-0439		28-3/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0435)</small>		
08 52 16 00-0440	EA	71-7/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,614.14	73.84
		<i>For Tempered Low-E Insulated Glass, Add</i>	293.29	
08 52 16 00-0441	EA	84-5/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,849.57	81.06
		<i>For Tempered Low-E Insulated Glass, Add</i>	337.49	
08 52 16 00-0442		35-15/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0435)</small>		
08 52 16 00-0443	EA	61" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,552.54	72.18
		<i>For Tempered Low-E Insulated Glass, Add</i>	281.64	
08 52 16 00-0444	EA	71-7/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,755.19	77.73
		<i>For Tempered Low-E Insulated Glass, Add</i>	319.95	
08 52 16 00-0445	EA	84-5/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	2,005.06	85.50
		<i>For Tempered Low-E Insulated Glass, Add</i>	367.03	
08 52 16 00-0446		40-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0435)</small>		
08 52 16 00-0447	EA	61" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,642.58	75.51
		<i>For Tempered Low-E Insulated Glass, Add</i>	298.53	
08 52 16 00-0448	EA	71-7/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,852.16	80.51
		<i>For Tempered Low-E Insulated Glass, Add</i>	338.23	
08 52 16 00-0449	EA	84-5/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	2,099.74	87.73
		<i>For Tempered Low-E Insulated Glass, Add</i>	384.86	
08 52 16 00-0450		48" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0435)</small>		
08 52 16 00-0451	EA	71-7/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,991.34	84.95
		<i>For Tempered Low-E Insulated Glass, Add</i>	364.29	
08 52 16 00-0452	EA	84-5/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	2,238.92	92.17
		<i>For Tempered Low-E Insulated Glass, Add</i>	410.92	
08 52 16 00-0453		52-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0435)</small>		
08 52 16 00-0454	EA	71-7/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	2,084.93	87.16
		<i>For Tempered Low-E Insulated Glass, Add</i>	382.12	
08 52 16 00-0455	EA	84-5/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	2,332.50	94.38
		<i>For Tempered Low-E Insulated Glass, Add</i>	428.75	
08 52 16 00-0456		59-7/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0435)</small>		
08 52 16 00-0457	EA	71-7/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	2,220.70	91.05
		<i>For Tempered Low-E Insulated Glass, Add</i>	407.72	
08 52 16 00-0458	EA	84-5/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	2,470.56	98.82
		<i>For Tempered Low-E Insulated Glass, Add</i>	454.80	
08 52 16 00-0459		<b>Awning Wood Clad Windows</b> <small>(08 52 16)</small>		
		Note: Awning windows are hinged at the top of the frame and swing outward with a crank or push out operation.		
08 52 16 00-0460		<b>Awning Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0459)</small>		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		

MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

08 52 16 00-0461	Venting, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0460)</small>		
08 52 16 00-0462	17" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0461)</small>		
08 52 16 00-0463	EA 24-1/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	473.02 76.39	45.53
08 52 16 00-0464	EA 28-3/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	506.71 82.24	47.75
08 52 16 00-0465	EA 31-1/2" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	534.35 87.11	49.41
08 52 16 00-0466	EA 35-15/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	569.35 93.22	51.64
08 52 16 00-0467	EA 40-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	609.64 100.16	54.41
08 52 16 00-0468	EA 48" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	671.56 110.77	58.85
08 52 16 00-0469	EA 52-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	710.75 117.72	61.07
08 52 16 00-0470	EA 59-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	767.89 127.59	65.51
08 52 16 00-0471	EA 64-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	789.08 130.72	67.74
08 52 16 00-0472	EA 71-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	845.60 140.47	71.63
08 52 16 00-0473	20-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0461)</small>		
08 52 16 00-0474	EA 24-1/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	499.19 80.96	47.75
08 52 16 00-0475	EA 28-3/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	535.64 87.36	49.97
08 52 16 00-0476	EA 31-1/2" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	559.40 91.45	51.08
08 52 16 00-0477	EA 35-15/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	598.28 98.34	53.30
08 52 16 00-0478	EA 40-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	638.58 105.28	56.63
08 52 16 00-0479	EA 48" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	698.66 115.52	60.52
08 52 16 00-0480	EA 52-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	737.85 122.47	63.30
08 52 16 00-0481	EA 59-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	796.82 132.71	66.62
08 52 16 00-0482	EA 64-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	815.89 135.42	69.95
08 52 16 00-0483	EA 71-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	874.21 145.53	73.29
08 52 16 00-0484	EA 84-5/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,353.03 238.41	81.06
08 52 16 00-0485	24-1/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0461)</small>		
08 52 16 00-0486	EA 24-1/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	531.99 86.63	49.97
08 52 16 00-0487	EA 28-3/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	565.69 92.48	52.19
08 52 16 00-0488	EA 31-1/2" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	588.65 96.41	53.30
08 52 16 00-0489	EA 35-15/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	628.32 103.46	55.52
08 52 16 00-0490	EA 40-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	668.62 110.40	58.85
08 52 16 00-0491	EA 48" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	730.53 121.01	62.73
08 52 16 00-0492	EA 52-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	769.72 127.96	65.51
08 52 16 00-0493	EA 59-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	828.69 138.20	68.85
08 52 16 00-0494	EA 64-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	845.60 140.47	72.18
08 52 16 00-0495	EA 71-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	902.06 150.21	75.51
08 52 16 00-0496	EA 84-5/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,424.17 251.74	83.28
08 52 16 00-0497	28-3/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0461)</small>		
08 52 16 00-0498	EA 24-1/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	530.95 85.54	52.19
08 52 16 00-0499	EA 28-3/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	582.93 95.04	54.41
08 52 16 00-0500	EA 31-1/2" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	616.35 101.06	55.52

**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 52 16 00-0501	EA	35-15/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	678.48	57.74
		<i>For Tempered Clear Insulated Glass, Add</i>	112.60	
08 52 16 00-0502	EA	40-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	740.72	61.07
		<i>For Tempered Clear Insulated Glass, Add</i>	123.94	
08 52 16 00-0503	EA	48" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	831.89	64.96
		<i>For Tempered Clear Insulated Glass, Add</i>	140.39	
08 52 16 00-0504	EA	52-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	891.19	67.74
		<i>For Tempered Clear Insulated Glass, Add</i>	151.37	
08 52 16 00-0505	EA	59-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	981.24	71.06
		<i>For Tempered Clear Insulated Glass, Add</i>	167.82	
08 52 16 00-0506	EA	64-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,014.34	74.40
		<i>For Tempered Clear Insulated Glass, Add</i>	173.33	
08 52 16 00-0507	EA	71-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,101.56	77.73
		<i>For Tempered Clear Insulated Glass, Add</i>	189.22	
08 52 16 00-0508	EA	84-5/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,462.87	85.50
		<i>For Tempered Clear Insulated Glass, Add</i>	258.59	
<b>08 52 16 00-0509</b>		<b>31-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0461)</small>		
08 52 16 00-0510	EA	28-3/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	616.35	55.52
		<i>For Tempered Clear Insulated Glass, Add</i>	101.06	
08 52 16 00-0511	EA	31-1/2" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	652.25	57.19
		<i>For Tempered Clear Insulated Glass, Add</i>	107.58	
08 52 16 00-0512	EA	35-15/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	701.67	59.41
		<i>For Tempered Clear Insulated Glass, Add</i>	116.57	
08 52 16 00-0513	EA	40-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	756.84	62.18
		<i>For Tempered Clear Insulated Glass, Add</i>	126.50	
08 52 16 00-0514	EA	48" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	837.07	66.62
		<i>For Tempered Clear Insulated Glass, Add</i>	140.76	
08 52 16 00-0515	EA	52-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	892.69	68.85
		<i>For Tempered Clear Insulated Glass, Add</i>	151.00	
08 52 16 00-0516	EA	59-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	971.81	73.29
		<i>For Tempered Clear Insulated Glass, Add</i>	165.27	
08 52 16 00-0517	EA	64-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,026.98	75.51
		<i>For Tempered Clear Insulated Glass, Add</i>	175.19	
08 52 16 00-0518	EA	71-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,107.64	79.39
		<i>For Tempered Clear Insulated Glass, Add</i>	189.77	
08 52 16 00-0519	EA	84-5/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,560.49	86.61
		<i>For Tempered Clear Insulated Glass, Add</i>	277.45	
<b>08 52 16 00-0520</b>		<b>35-15/16" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0461)</small>		
08 52 16 00-0521	EA	31-1/2" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	701.67	59.41
		<i>For Tempered Clear Insulated Glass, Add</i>	116.57	
08 52 16 00-0522	EA	35-15/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	772.19	61.63
		<i>For Tempered Clear Insulated Glass, Add</i>	129.79	
08 52 16 00-0523	EA	40-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	834.44	64.41
		<i>For Tempered Clear Insulated Glass, Add</i>	141.13	
08 52 16 00-0524	EA	48" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	925.60	68.85
		<i>For Tempered Clear Insulated Glass, Add</i>	157.58	
08 52 16 00-0525	EA	52-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	986.73	71.06
		<i>For Tempered Clear Insulated Glass, Add</i>	168.92	
08 52 16 00-0526	EA	59-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,074.97	75.51
		<i>For Tempered Clear Insulated Glass, Add</i>	185.01	
08 52 16 00-0527	EA	64-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	937.26	77.73
		<i>For Tempered Clear Insulated Glass, Add</i>	156.36	
08 52 16 00-0528	EA	71-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,006.42	81.62
		<i>For Tempered Clear Insulated Glass, Add</i>	168.64	
<b>08 52 16 00-0529</b>		<b>40-3/4" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0461)</small>		
08 52 16 00-0530	EA	35-15/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 200 Series)	823.46	64.41
		<i>For Tempered Clear Insulated Glass, Add</i>	138.93	
08 52 16 00-0531	EA	40-13/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 200 Series)	927.76	67.74
		<i>For Tempered Clear Insulated Glass, Add</i>	158.68	
<b>08 52 16 00-0532</b>		<b>48" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0461)</small>		
08 52 16 00-0533	EA	35-15/16" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series)	980.46	68.85
		<i>For Tempered Clear Insulated Glass, Add</i>	168.55	
08 52 16 00-0534	EA	40-13/16" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,086.58	72.18
		<i>For Tempered Clear Insulated Glass, Add</i>	188.67	
08 52 16 00-0535	EA	48" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,241.75	76.07
		<i>For Tempered Clear Insulated Glass, Add</i>	217.93	
<b>08 52 16 00-0536</b>		<b>59-13/16" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0461)</small>		
08 52 16 00-0537	EA	35-15/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,215.37	74.95
		<i>For Tempered Clear Insulated Glass, Add</i>	213.09	
08 52 16 00-0538	EA	40-13/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,308.26	77.73
		<i>For Tempered Clear Insulated Glass, Add</i>	230.56	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 52 16 00-0539			<b>71-7/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0461)</small>		
08 52 16 00-0540	EA		24-1/8" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	1,330.02	75.51
			<i>For Tempered Clear Insulated Glass, Add</i>	235.80	
08 52 16 00-0541	EA		35-15/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	1,375.56	81.62
			<i>For Tempered Clear Insulated Glass, Add</i>	242.47	
08 52 16 00-0542	EA		40-13/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	1,523.18	84.39
			<i>For Tempered Clear Insulated Glass, Add</i>	270.88	
08 52 16 00-0543	EA		48" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	1,673.80	88.84
			<i>For Tempered Clear Insulated Glass, Add</i>	299.23	
08 52 16 00-0544			<b>Stationary, Awning Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0460)</small>		
08 52 16 00-0545			<b>17" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0544)</small>		
08 52 16 00-0546	EA		24-1/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	416.33	45.53
			<i>For Tempered Clear Insulated Glass, Add</i>	65.06	
08 52 16 00-0547	EA		28-3/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	448.20	47.75
			<i>For Tempered Clear Insulated Glass, Add</i>	70.54	
08 52 16 00-0548	EA		31-1/2" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	469.21	49.41
			<i>For Tempered Clear Insulated Glass, Add</i>	74.08	
08 52 16 00-0549	EA		35-15/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	503.52	51.64
			<i>For Tempered Clear Insulated Glass, Add</i>	80.05	
08 52 16 00-0550	EA		40-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	540.16	54.41
			<i>For Tempered Clear Insulated Glass, Add</i>	86.27	
08 52 16 00-0551	EA		48" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	596.59	58.85
			<i>For Tempered Clear Insulated Glass, Add</i>	95.78	
08 52 16 00-0552	EA		52-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	630.29	61.07
			<i>For Tempered Clear Insulated Glass, Add</i>	101.63	
08 52 16 00-0553	EA		59-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	683.77	65.51
			<i>For Tempered Clear Insulated Glass, Add</i>	110.77	
08 52 16 00-0554	EA		64-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	720.41	67.74
			<i>For Tempered Clear Insulated Glass, Add</i>	116.99	
08 52 16 00-0555	EA		71-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	773.89	71.63
			<i>For Tempered Clear Insulated Glass, Add</i>	126.13	
08 52 16 00-0556			<b>20-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0544)</small>		
08 52 16 00-0557	EA		24-1/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	441.60	47.75
			<i>For Tempered Clear Insulated Glass, Add</i>	69.44	
08 52 16 00-0558	EA		28-3/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	473.47	49.97
			<i>For Tempered Clear Insulated Glass, Add</i>	74.93	
08 52 16 00-0559	EA		31-1/2" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	492.71	51.08
			<i>For Tempered Clear Insulated Glass, Add</i>	78.11	
08 52 16 00-0560	EA		35-15/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	530.62	53.30
			<i>For Tempered Clear Insulated Glass, Add</i>	84.80	
08 52 16 00-0561	EA		40-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	567.27	56.63
			<i>For Tempered Clear Insulated Glass, Add</i>	91.02	
08 52 16 00-0562	EA		48" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	621.86	60.52
			<i>For Tempered Clear Insulated Glass, Add</i>	100.16	
08 52 16 00-0563	EA		52-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	657.39	63.30
			<i>For Tempered Clear Insulated Glass, Add</i>	106.38	
08 52 16 00-0564	EA		59-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	709.05	66.62
			<i>For Tempered Clear Insulated Glass, Add</i>	115.16	
08 52 16 00-0565	EA		64-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	747.51	69.95
			<i>For Tempered Clear Insulated Glass, Add</i>	121.74	
08 52 16 00-0566	EA		71-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	799.17	73.29
			<i>For Tempered Clear Insulated Glass, Add</i>	130.52	
08 52 16 00-0567			<b>24-1/8" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0544)</small>		
08 52 16 00-0568	EA		24-1/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	469.81	49.97
			<i>For Tempered Clear Insulated Glass, Add</i>	74.20	
08 52 16 00-0569	EA		28-3/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	501.69	52.19
			<i>For Tempered Clear Insulated Glass, Add</i>	79.68	
08 52 16 00-0570	EA		31-1/2" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	518.86	53.30
			<i>For Tempered Clear Insulated Glass, Add</i>	82.45	
08 52 16 00-0571	EA		35-15/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	557.01	55.52
			<i>For Tempered Clear Insulated Glass, Add</i>	89.19	
08 52 16 00-0572	EA		40-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	593.65	58.85
			<i>For Tempered Clear Insulated Glass, Add</i>	95.41	
08 52 16 00-0573	EA		48" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	648.25	62.73
			<i>For Tempered Clear Insulated Glass, Add</i>	104.55	
08 52 16 00-0574	EA		52-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	683.77	65.51
			<i>For Tempered Clear Insulated Glass, Add</i>	110.77	
08 52 16 00-0575	EA		59-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	737.26	68.85
			<i>For Tempered Clear Insulated Glass, Add</i>	119.91	
08 52 16 00-0576	EA		64-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	773.89	72.18
			<i>For Tempered Clear Insulated Glass, Add</i>	126.13	
08 52 16 00-0577	EA		71-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	827.39	75.51
			<i>For Tempered Clear Insulated Glass, Add</i>	135.27	

**08 Openings****08 50 Windows****08 52 Wood Windows**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0578			<b>28-3/8" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0544)		
08 52 16 00-0579	EA		24-1/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	472.44 73.83	52.19
08 52 16 00-0580	EA		28-3/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	515.28 81.51	54.41
08 52 16 00-0581	EA		31-1/2" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	538.81 85.55	55.52
08 52 16 00-0582	EA		35-15/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	561.45 89.19	57.74
08 52 16 00-0583	EA		40-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	641.98 104.19	61.07
08 52 16 00-0584	EA		48" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	714.86 116.99	64.96
08 52 16 00-0585	EA		52-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	763.18 125.76	67.74
08 52 16 00-0586	EA		59-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	834.96 138.57	71.06
08 52 16 00-0587	EA		64-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	886.22 147.71	74.40
08 52 16 00-0588	EA		71-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	958.00 160.51	77.73
08 52 16 00-0589			<b>31-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0544)		
08 52 16 00-0590	EA		28-3/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	538.81 85.55	55.52
08 52 16 00-0591	EA		31-1/2" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	568.51 90.83	57.19
08 52 16 00-0592	EA		35-15/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	608.62 97.96	59.41
08 52 16 00-0593	EA		40-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	654.49 106.03	62.18
08 52 16 00-0594	EA		48" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	720.76 117.50	66.62
08 52 16 00-0595	EA		52-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	765.52 125.57	68.85
08 52 16 00-0596	EA		59-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	830.68 137.04	73.29
08 52 16 00-0597	EA		64-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	875.00 144.80	75.51
08 52 16 00-0598	EA		71-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	940.15 156.27	79.39
08 52 16 00-0599			<b>35-15/16" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0544)		
08 52 16 00-0600	EA		31-1/2" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	608.62 97.96	59.41
08 52 16 00-0601	EA		35-15/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	667.96 108.94	61.63
08 52 16 00-0602	EA		40-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	717.41 117.72	64.41
08 52 16 00-0603	EA		48" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	792.11 130.88	68.85
08 52 16 00-0604	EA		52-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	840.44 139.66	71.06
08 52 16 00-0605	EA		59-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	912.22 152.46	75.51
08 52 16 00-0606	EA		64-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	961.66 161.24	77.73
08 52 16 00-0607	EA		71-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,033.43 174.04	81.62
08 52 16 00-0608			<b>Awning Wood Clad Windows (Andersen 400 Series)</b> (08 52 16 00-0459) Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0609			<b>Venting, Awning Wood Clad Windows (Andersen 400 Series)</b> (08 52 16 00-0608)		
08 52 16 00-0610			<b>17" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series)</b> (08 52 16 00-0609)		
08 52 16 00-0611	EA		24-1/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	563.53 94.50	45.53
08 52 16 00-0612	EA		28-3/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	604.54 101.81	47.75
08 52 16 00-0613	EA		31-1/2" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	638.25 107.89	49.41
08 52 16 00-0614	EA		35-15/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	680.89 115.52	51.64
08 52 16 00-0615	EA		40-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	729.87 124.21	54.41
08 52 16 00-0616	EA		48" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	805.05 137.47	58.85

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0617	EA		52-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	852.92 146.15	61.07
08 52 16 00-0618	EA		59-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	922.40 158.50	65.51
08 52 16 00-0619	EA		64-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	947.51 162.41	67.74
08 52 16 00-0620	EA		71-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,016.22 174.60	71.63
<b>08 52 16 00-0621</b>			<b>20-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0609)</small>		
08 52 16 00-0622	EA		24-1/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	595.42 100.21	47.75
08 52 16 00-0623	EA		28-3/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	639.87 108.21	49.97
08 52 16 00-0624	EA		31-1/2" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	668.73 113.31	51.08
08 52 16 00-0625	EA		35-15/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	716.22 121.92	53.30
08 52 16 00-0626	EA		40-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	765.21 130.61	56.63
08 52 16 00-0627	EA		48" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	838.09 143.41	60.52
08 52 16 00-0628	EA		52-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	885.96 152.10	63.30
08 52 16 00-0629	EA		59-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	957.73 164.90	66.62
08 52 16 00-0630	EA		64-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	980.18 168.28	69.95
08 52 16 00-0631	EA		71-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,051.14 180.91	73.29
08 52 16 00-0632	EA		84-5/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,646.06 297.01	81.06
<b>08 52 16 00-0633</b>			<b>24-1/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0609)</small>		
08 52 16 00-0634	EA		24-1/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	635.30 107.30	49.97
08 52 16 00-0635	EA		28-3/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	676.32 114.61	52.19
08 52 16 00-0636	EA		31-1/2" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	704.19 119.52	53.30
08 52 16 00-0637	EA		35-15/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	752.66 128.32	55.52
08 52 16 00-0638	EA		40-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	801.65 137.01	58.85
08 52 16 00-0639	EA		48" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	876.82 150.27	62.73
08 52 16 00-0640	EA		52-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	924.69 158.95	65.51
08 52 16 00-0641	EA		59-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	996.46 171.75	68.85
08 52 16 00-0642	EA		64-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,016.22 174.60	72.18
08 52 16 00-0643	EA		71-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,084.84 186.76	75.51
08 52 16 00-0644	EA		84-5/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,733.88 313.68	83.28
<b>08 52 16 00-0645</b>			<b>28-3/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0609)</small>		
08 52 16 00-0646	EA		24-1/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	632.89 105.92	52.19
08 52 16 00-0647	EA		28-3/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	696.76 117.81	54.41
08 52 16 00-0648	EA		31-1/2" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	737.71 125.33	55.52
08 52 16 00-0649	EA		35-15/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	814.25 139.75	57.74
08 52 16 00-0650	EA		40-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	890.67 153.93	61.07
08 52 16 00-0651	EA		48" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,002.40 174.50	64.96
08 52 16 00-0652	EA		52-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,075.42 188.21	67.74
08 52 16 00-0653	EA		59-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,186.04 208.78	71.06
08 52 16 00-0654	EA		64-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,226.02 215.67	74.40
08 52 16 00-0655	EA		71-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,532.16 275.34	77.73
08 52 16 00-0656	EA		84-5/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,781.14 322.25	85.50

**08 Openings****08 50 Windows****08 52 Wood Windows**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 52 16 00-0657	31-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0609)</small>		
08 52 16 00-0658	EA 28-3/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	737.71	55.52
	<i>For Tempered Low-E Insulated Glass, Add</i>	125.33	
08 52 16 00-0659	EA 31-1/2" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	781.75	57.19
	<i>For Tempered Low-E Insulated Glass, Add</i>	133.48	
08 52 16 00-0660	EA 35-15/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	842.40	59.41
	<i>For Tempered Low-E Insulated Glass, Add</i>	144.72	
08 52 16 00-0661	EA 40-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	909.99	62.18
	<i>For Tempered Low-E Insulated Glass, Add</i>	157.13	
08 52 16 00-0662	EA 48" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	1,008.05	66.62
	<i>For Tempered Low-E Insulated Glass, Add</i>	174.96	
08 52 16 00-0663	EA 52-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	1,076.46	68.85
	<i>For Tempered Low-E Insulated Glass, Add</i>	187.75	
08 52 16 00-0664	EA 59-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	1,173.41	73.29
	<i>For Tempered Low-E Insulated Glass, Add</i>	205.59	
08 52 16 00-0665	EA 64-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	1,241.00	75.51
	<i>For Tempered Low-E Insulated Glass, Add</i>	218.00	
08 52 16 00-0666	EA 71-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	1,339.88	79.39
	<i>For Tempered Low-E Insulated Glass, Add</i>	236.22	
08 52 16 00-0667	EA 84-5/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	1,902.33	86.61
	<i>For Tempered Low-E Insulated Glass, Add</i>	345.82	
<b>08 52 16 00-0668</b>	<b>35-15/16" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0609)</small></b>		
08 52 16 00-0669	EA 31-1/2" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	842.40	59.41
	<i>For Tempered Low-E Insulated Glass, Add</i>	144.72	
08 52 16 00-0670	EA 35-15/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	929.45	61.63
	<i>For Tempered Low-E Insulated Glass, Add</i>	161.24	
08 52 16 00-0671	EA 40-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	1,005.87	64.41
	<i>For Tempered Low-E Insulated Glass, Add</i>	175.41	
08 52 16 00-0672	EA 48" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	1,117.60	68.85
	<i>For Tempered Low-E Insulated Glass, Add</i>	195.98	
08 52 16 00-0673	EA 52-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	1,192.90	71.06
	<i>For Tempered Low-E Insulated Glass, Add</i>	210.15	
08 52 16 00-0674	EA 59-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	1,301.25	75.51
	<i>For Tempered Low-E Insulated Glass, Add</i>	230.27	
08 52 16 00-0675	EA 64-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	1,127.73	77.73
	<i>For Tempered Low-E Insulated Glass, Add</i>	194.45	
08 52 16 00-0676	EA 71-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	1,212.24	81.62
	<i>For Tempered Low-E Insulated Glass, Add</i>	209.80	
<b>08 52 16 00-0677</b>	<b>40-3/4" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0609)</small></b>		
08 52 16 00-0678	EA 35-15/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	986.59	64.41
	<i>For Tempered Low-E Insulated Glass, Add</i>	172.67	
08 52 16 00-0679	EA 40-13/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	1,124.46	68.85
	<i>For Tempered Low-E Insulated Glass, Add</i>	197.35	
<b>08 52 16 00-0680</b>	<b>48" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0609)</small></b>		
08 52 16 00-0681	EA 35-15/16" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	1,186.17	68.85
	<i>For Tempered Low-E Insulated Glass, Add</i>	209.70	
08 52 16 00-0682	EA 40-13/16" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	1,317.44	72.18
	<i>For Tempered Low-E Insulated Glass, Add</i>	234.84	
08 52 16 00-0683	EA 48" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	1,509.18	76.07
	<i>For Tempered Low-E Insulated Glass, Add</i>	271.41	
<b>08 52 16 00-0684</b>	<b>59-13/16" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0609)</small></b>		
08 52 16 00-0685	EA 35-15/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	1,476.76	74.95
	<i>For Tempered Low-E Insulated Glass, Add</i>	265.37	
08 52 16 00-0686	EA 40-13/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	1,591.48	77.73
	<i>For Tempered Low-E Insulated Glass, Add</i>	287.20	
<b>08 52 16 00-0687</b>	<b>71-7/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0609)</small></b>		
08 52 16 00-0688	EA 24-1/8" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	1,619.79	75.51
	<i>For Tempered Low-E Insulated Glass, Add</i>	293.75	
08 52 16 00-0689	EA 35-15/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	1,673.66	81.62
	<i>For Tempered Low-E Insulated Glass, Add</i>	302.09	
08 52 16 00-0690	EA 40-13/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	1,856.81	84.39
	<i>For Tempered Low-E Insulated Glass, Add</i>	337.61	
08 52 16 00-0691	EA 48" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	2,042.86	88.84
	<i>For Tempered Low-E Insulated Glass, Add</i>	373.04	
<b>08 52 16 00-0692</b>	<b>Stationary, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0608)</small></b>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**08 52 16 00-0693 17" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series)**

08 52 16 00-0694	EA		24-1/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	492.67 80.32	45.53
08 52 16 00-0695	EA		28-3/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	531.40 87.18	47.75
08 52 16 00-0696	EA		31-1/2" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	556.83 91.60	49.41
08 52 16 00-0697	EA		35-15/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	598.61 99.07	51.64
08 52 16 00-0698	EA		40-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	643.02 106.84	54.41
08 52 16 00-0699	EA		48" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	711.33 118.72	58.85
08 52 16 00-0700	EA		52-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	752.35 126.04	61.07
08 52 16 00-0701	EA		59-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	817.26 137.47	65.51
08 52 16 00-0702	EA		64-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	861.67 145.24	67.74
08 52 16 00-0703	EA		71-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	926.58 156.67	71.63

**08 52 16 00-0704 20-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series)**

08 52 16 00-0705	EA		24-1/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	523.43 85.81	47.75
08 52 16 00-0706	EA		28-3/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	562.16 92.67	49.97
08 52 16 00-0707	EA		31-1/2" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	585.38 96.64	51.08
08 52 16 00-0708	EA		35-15/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	631.65 105.01	53.30
08 52 16 00-0709	EA		40-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	676.07 112.78	56.63
08 52 16 00-0710	EA		48" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	742.09 124.21	60.52
08 52 16 00-0711	EA		52-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	785.39 131.98	63.30
08 52 16 00-0712	EA		59-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	848.02 142.95	66.62
08 52 16 00-0713	EA		64-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	894.71 151.18	69.95
08 52 16 00-0714	EA		71-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	957.34 162.15	73.29

**08 52 16 00-0715 24-1/8" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series)**

08 52 16 00-0716	EA		24-1/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	557.59 91.75	49.97
08 52 16 00-0717	EA		28-3/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	596.32 98.61	52.19
08 52 16 00-0718	EA		31-1/2" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	616.95 102.07	53.30
08 52 16 00-0719	EA		35-15/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	663.52 110.50	55.52
08 52 16 00-0720	EA		40-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	707.94 118.27	58.85
08 52 16 00-0721	EA		48" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	773.96 129.70	62.73
08 52 16 00-0722	EA		52-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	817.26 137.47	65.51
08 52 16 00-0723	EA		59-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	882.17 148.90	68.85
08 52 16 00-0724	EA		64-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	926.58 156.67	72.18
08 52 16 00-0725	EA		71-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	991.50 168.10	75.51

**08 52 16 00-0726 28-3/8" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series)**

08 52 16 00-0727	EA		24-1/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	559.75 91.30	52.19
08 52 16 00-0728	EA		28-3/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	612.19 100.90	54.41
08 52 16 00-0729	EA		31-1/2" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	640.78 105.95	55.52
08 52 16 00-0730	EA		35-15/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	667.96 110.50	57.74
08 52 16 00-0731	EA		40-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	767.24 129.24	61.07
08 52 16 00-0732	EA		48" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	856.12 145.24	64.96

**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 52 16 00-0733	EA	52-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) .....	915.41	67.74
		<i>For Tempered Low-E Insulated Glass, Add</i>	156.21	
08 52 16 00-0734	EA	59-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) .....	1,003.19	71.06
		<i>For Tempered Low-E Insulated Glass, Add</i>	172.21	
08 52 16 00-0735	EA	64-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) .....	1,065.88	74.40
		<i>For Tempered Low-E Insulated Glass, Add</i>	183.64	
08 52 16 00-0736	EA	71-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) .....	1,153.66	77.73
		<i>For Tempered Low-E Insulated Glass, Add</i>	199.64	
<b>08 52 16 00-0737</b>		<b>31-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0692)</small>		
08 52 16 00-0738	EA	28-3/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	640.78	55.52
		<i>For Tempered Low-E Insulated Glass, Add</i>	105.95	
08 52 16 00-0739	EA	31-1/2" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) .....	677.06	57.19
		<i>For Tempered Low-E Insulated Glass, Add</i>	112.54	
08 52 16 00-0740	EA	35-15/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) .....	726.09	59.41
		<i>For Tempered Low-E Insulated Glass, Add</i>	121.46	
08 52 16 00-0741	EA	40-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) .....	782.04	62.18
		<i>For Tempered Low-E Insulated Glass, Add</i>	131.54	
08 52 16 00-0742	EA	48" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) .....	862.66	66.62
		<i>For Tempered Low-E Insulated Glass, Add</i>	145.88	
08 52 16 00-0743	EA	52-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) .....	917.50	68.85
		<i>For Tempered Low-E Insulated Glass, Add</i>	155.96	
08 52 16 00-0744	EA	59-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) .....	997.01	73.29
		<i>For Tempered Low-E Insulated Glass, Add</i>	170.31	
08 52 16 00-0745	EA	64-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) .....	1,051.02	75.51
		<i>For Tempered Low-E Insulated Glass, Add</i>	180.00	
08 52 16 00-0746	EA	71-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) .....	1,130.51	79.39
		<i>For Tempered Low-E Insulated Glass, Add</i>	194.34	
<b>08 52 16 00-0747</b>		<b>35-15/16" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0692)</small>		
08 52 16 00-0748	EA	31-1/2" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) .....	726.09	59.41
		<i>For Tempered Low-E Insulated Glass, Add</i>	121.46	
08 52 16 00-0749	EA	35-15/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) .....	799.16	61.63
		<i>For Tempered Low-E Insulated Glass, Add</i>	135.18	
08 52 16 00-0750	EA	40-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) .....	859.58	64.41
		<i>For Tempered Low-E Insulated Glass, Add</i>	146.15	
08 52 16 00-0751	EA	48" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) .....	950.74	68.85
		<i>For Tempered Low-E Insulated Glass, Add</i>	162.61	
08 52 16 00-0752	EA	52-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) .....	1,010.04	71.06
		<i>For Tempered Low-E Insulated Glass, Add</i>	173.58	
08 52 16 00-0753	EA	59-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) .....	1,097.82	75.51
		<i>For Tempered Low-E Insulated Glass, Add</i>	189.58	
08 52 16 00-0754	EA	64-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) .....	1,158.23	77.73
		<i>For Tempered Low-E Insulated Glass, Add</i>	200.55	
08 52 16 00-0755	EA	71-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) .....	1,246.00	81.62
		<i>For Tempered Low-E Insulated Glass, Add</i>	216.55	
<b>08 52 16 00-0756</b>		<b>Horizontal Sliding Wood Clad Windows</b> <small>(08 52 16)</small>		
		Note: Sliding windows open horizontally with one or more operating sashes combined with stationary sashes		
<b>08 52 16 00-0757</b>		<b>One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0756)</small>		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
<b>08 52 16 00-0758</b>		<b>17-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0757)</small>		
08 52 16 00-0759	EA	47-1/2" x 17-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series) .....	586.01	58.85
		<i>For Tempered Clear Insulated Glass, Add</i>	93.88	
<b>08 52 16 00-0760</b>		<b>23-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0757)</small>		
08 52 16 00-0761	EA	35-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series) .....	538.72	54.41
		<i>For Tempered Clear Insulated Glass, Add</i>	85.76	
08 52 16 00-0762	EA	47-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series) .....	631.03	62.18
		<i>For Tempered Clear Insulated Glass, Add</i>	101.56	
<b>08 52 16 00-0763</b>		<b>35-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0757)</small>		
08 52 16 00-0764	EA	35-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series) .....	631.03	62.18
		<i>For Tempered Clear Insulated Glass, Add</i>	101.56	
08 52 16 00-0765	EA	47-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series) .....	723.36	68.85
		<i>For Tempered Clear Insulated Glass, Add</i>	117.35	
08 52 16 00-0766	EA	59-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series) .....	815.67	74.95
		<i>For Tempered Clear Insulated Glass, Add</i>	133.15	
08 52 16 00-0767	EA	71-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series) .....	907.97	81.62
		<i>For Tempered Clear Insulated Glass, Add</i>	148.95	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 52 16 00-0768			<b>41-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0757)		
08 52 16 00-0769	EA		35-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	678.32	65.51
			<i>For Tempered Clear Insulated Glass, Add</i>	109.68	
08 52 16 00-0770	EA		47-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	768.37	72.18
			<i>For Tempered Clear Insulated Glass, Add</i>	125.03	
08 52 16 00-0771	EA		59-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	860.68	78.28
			<i>For Tempered Clear Insulated Glass, Add</i>	140.82	
08 52 16 00-0772	EA		71-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	1,032.00	84.95
			<i>For Tempered Clear Insulated Glass, Add</i>	172.42	
08 52 16 00-0773			<b>47-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0757)		
08 52 16 00-0774	EA		35-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	723.36	68.85
			<i>For Tempered Clear Insulated Glass, Add</i>	117.35	
08 52 16 00-0775	EA		47-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	815.67	75.51
			<i>For Tempered Clear Insulated Glass, Add</i>	133.15	
08 52 16 00-0776	EA		59-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	907.97	81.62
			<i>For Tempered Clear Insulated Glass, Add</i>	148.95	
08 52 16 00-0777	EA		71-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	1,000.28	88.28
			<i>For Tempered Clear Insulated Glass, Add</i>	164.75	
08 52 16 00-0778			<b>53-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0757)		
08 52 16 00-0779	EA		47-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	860.68	78.84
			<i>For Tempered Clear Insulated Glass, Add</i>	140.82	
08 52 16 00-0780	EA		59-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	953.01	84.95
			<i>For Tempered Clear Insulated Glass, Add</i>	156.62	
08 52 16 00-0781	EA		71-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	1,045.32	91.60
			<i>For Tempered Clear Insulated Glass, Add</i>	172.42	
08 52 16 00-0782			<b>59-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0757)		
08 52 16 00-0783	EA		47-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	907.97	82.17
			<i>For Tempered Clear Insulated Glass, Add</i>	148.95	
08 52 16 00-0784	EA		59-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	1,000.28	88.28
			<i>For Tempered Clear Insulated Glass, Add</i>	164.75	
08 52 16 00-0785	EA		71-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	1,092.77	94.94
			<i>For Tempered Clear Insulated Glass, Add</i>	180.58	
08 52 16 00-0786			<b>Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series)</b> (08 52 16 00-0756)		
			Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0787			<b>22-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series)</b> (08 52 16 00-0786)		
08 52 16 00-0788	EA		35-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,330.63	54.41
			<i>For Tempered Low-E Insulated Glass, Add</i>	244.14	
08 52 16 00-0789	EA		47-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,585.42	62.18
			<i>For Tempered Low-E Insulated Glass, Add</i>	292.43	
08 52 16 00-0790			<b>35-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series)</b> (08 52 16 00-0786)		
08 52 16 00-0791	EA		35-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,605.73	62.18
			<i>For Tempered Low-E Insulated Glass, Add</i>	296.50	
08 52 16 00-0792	EA		47-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,862.81	68.85
			<i>For Tempered Low-E Insulated Glass, Add</i>	345.24	
08 52 16 00-0793	EA		59-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	2,117.61	74.95
			<i>For Tempered Low-E Insulated Glass, Add</i>	393.54	
08 52 16 00-0794	EA		71-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	2,372.40	81.62
			<i>For Tempered Low-E Insulated Glass, Add</i>	441.83	
08 52 16 00-0795			<b>41-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series)</b> (08 52 16 00-0786)		
08 52 16 00-0796	EA		35-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,734.27	65.51
			<i>For Tempered Low-E Insulated Glass, Add</i>	320.87	
08 52 16 00-0797	EA		47-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,989.07	72.18
			<i>For Tempered Low-E Insulated Glass, Add</i>	369.17	
08 52 16 00-0798	EA		59-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	2,246.12	78.28
			<i>For Tempered Low-E Insulated Glass, Add</i>	417.91	
08 52 16 00-0799	EA		71-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	2,500.94	84.95
			<i>For Tempered Low-E Insulated Glass, Add</i>	466.21	
08 52 16 00-0800			<b>47-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series)</b> (08 52 16 00-0786)		

**08 Openings****08 50 Windows****08 52 Wood Windows**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 52 16 00-0801	EA	35-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,862.81	68.85
		<i>For Tempered Low-E Insulated Glass, Add</i>	345.24	
08 52 16 00-0802	EA	47-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	2,117.61	75.51
		<i>For Tempered Low-E Insulated Glass, Add</i>	393.54	
08 52 16 00-0803	EA	59-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	2,372.40	81.62
		<i>For Tempered Low-E Insulated Glass, Add</i>	441.83	
08 52 16 00-0804	EA	71-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	2,629.46	88.28
		<i>For Tempered Low-E Insulated Glass, Add</i>	490.58	
<b>08 52 16 00-0805</b>		<b>59-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0786)</b>		
08 52 16 00-0806	EA	35-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	2,117.61	75.51
		<i>For Tempered Low-E Insulated Glass, Add</i>	393.54	
08 52 16 00-0807	EA	47-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	2,372.40	82.17
		<i>For Tempered Low-E Insulated Glass, Add</i>	441.83	
08 52 16 00-0808	EA	59-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	2,629.46	88.28
		<i>For Tempered Low-E Insulated Glass, Add</i>	490.58	
08 52 16 00-0809	EA	71-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	2,884.26	94.94
		<i>For Tempered Low-E Insulated Glass, Add</i>	538.88	
<b>08 52 16 00-0810</b>		<b>Picture Wood Clad Windows (08 52 16)</b>		
		Note: Picture windows are fixed windows.		
<b>08 52 16 00-0811</b>		<b>Picture Wood Clad Windows For Awning And Casement Windows (08 52 16 00-0810)</b>		
<b>08 52 16 00-0812</b>		<b>Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0811)</b>		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
<b>08 52 16 00-0813</b>		<b>12" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0812)</b>		
08 52 16 00-0814	EA	40-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	461.24	44.42
		<i>For Tempered Clear Insulated Glass, Add</i>	74.48	
08 52 16 00-0815	EA	48" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	540.66	48.86
		<i>For Tempered Clear Insulated Glass, Add</i>	88.59	
08 52 16 00-0816	EA	52-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	574.63	51.08
		<i>For Tempered Clear Insulated Glass, Add</i>	94.49	
08 52 16 00-0817	EA	59-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	623.41	55.52
		<i>For Tempered Clear Insulated Glass, Add</i>	102.70	
08 52 16 00-0818	EA	64-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	656.85	57.74
		<i>For Tempered Clear Insulated Glass, Add</i>	108.27	
08 52 16 00-0819	EA	71-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	705.63	62.18
		<i>For Tempered Clear Insulated Glass, Add</i>	116.48	
<b>08 52 16 00-0820</b>		<b>35-15/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0812)</b>		
08 52 16 00-0821	EA	35-15/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	510.58	54.41
		<i>For Tempered Clear Insulated Glass, Add</i>	80.35	
08 52 16 00-0822	EA	40-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	592.04	57.74
		<i>For Tempered Clear Insulated Glass, Add</i>	95.53	
08 52 16 00-0823	EA	48" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	712.01	61.63
		<i>For Tempered Clear Insulated Glass, Add</i>	117.75	
08 52 16 00-0824	EA	52-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	790.51	63.85
		<i>For Tempered Clear Insulated Glass, Add</i>	132.56	
08 52 16 00-0825	EA	59-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	907.52	67.74
		<i>For Tempered Clear Insulated Glass, Add</i>	154.41	
08 52 16 00-0826	EA	64-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	988.99	70.51
		<i>For Tempered Clear Insulated Glass, Add</i>	169.59	
08 52 16 00-0827	EA	71-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,476.27	74.40
		<i>For Tempered Clear Insulated Glass, Add</i>	265.50	
<b>08 52 16 00-0828</b>		<b>40-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0812)</b>		
08 52 16 00-0829	EA	35-15/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	592.04	57.74
		<i>For Tempered Clear Insulated Glass, Add</i>	95.53	
08 52 16 00-0830	EA	40-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	673.50	59.97
		<i>For Tempered Clear Insulated Glass, Add</i>	110.72	
08 52 16 00-0831	EA	48" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	793.48	64.41
		<i>For Tempered Clear Insulated Glass, Add</i>	132.93	
08 52 16 00-0832	EA	52-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	871.98	66.62
		<i>For Tempered Clear Insulated Glass, Add</i>	147.75	
08 52 16 00-0833	EA	59-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	988.99	71.06
		<i>For Tempered Clear Insulated Glass, Add</i>	169.59	
08 52 16 00-0834	EA	64-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,070.44	73.29
		<i>For Tempered Clear Insulated Glass, Add</i>	184.77	
08 52 16 00-0835	EA	71-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,187.45	77.73
		<i>For Tempered Clear Insulated Glass, Add</i>	206.62	
<b>08 52 16 00-0836</b>		<b>48" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0812)</b>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0837	EA		35-15/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	712.01 117.75	62.18
08 52 16 00-0838	EA		40-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	793.48 132.93	64.41
08 52 16 00-0839	EA		48" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	913.44 155.15	68.85
08 52 16 00-0840	EA		52-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	991.94 169.96	71.06
08 52 16 00-0841	EA		59-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,108.96 191.81	75.51
08 52 16 00-0842	EA		64-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,190.42 206.99	77.73
08 52 16 00-0843	EA		71-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,307.42 228.84	82.17
<b>08 52 16 00-0844</b>			<b>52-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0812)</small>		
08 52 16 00-0845	EA		35-15/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	790.51 132.56	64.41
08 52 16 00-0846	EA		40-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	871.98 147.75	66.62
08 52 16 00-0847	EA		48" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	991.94 169.96	71.06
08 52 16 00-0848	EA		52-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,070.44 184.77	73.29
08 52 16 00-0849	EA		59-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,187.45 206.62	77.73
08 52 16 00-0850	EA		64-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,268.91 221.80	79.95
08 52 16 00-0851	EA		71-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,495.15 265.50	84.39
<b>08 52 16 00-0852</b>			<b>59-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0812)</small>		
08 52 16 00-0853	EA		35-15/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	907.52 154.41	67.74
08 52 16 00-0854	EA		40-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	988.99 169.59	71.06
08 52 16 00-0855	EA		48" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,108.96 191.81	74.95
08 52 16 00-0856	EA		52-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,187.45 206.62	77.17
08 52 16 00-0857	EA		59-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,304.46 228.47	81.06
08 52 16 00-0858	EA		64-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,385.92 243.65	83.84
08 52 16 00-0859	EA		71-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,502.92 265.50	87.73
<b>08 52 16 00-0860</b>			<b>64-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0812)</small>		
08 52 16 00-0861	EA		35-15/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	988.99 169.59	71.06
08 52 16 00-0862	EA		40-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,070.44 184.77	73.29
08 52 16 00-0863	EA		48" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,190.42 206.99	77.73
08 52 16 00-0864	EA		52-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,268.91 221.80	79.95
08 52 16 00-0865	EA		59-7/8" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,495.15 265.50	84.39
<b>08 52 16 00-0866</b>			<b>71-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0812)</small>		
08 52 16 00-0867	EA		35-15/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,105.99 191.44	74.40
08 52 16 00-0868	EA		40-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,187.45 206.62	77.73
08 52 16 00-0869	EA		48" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,307.42 228.84	81.62
08 52 16 00-0870	EA		52-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,385.92 243.65	83.84
08 52 16 00-0871	EA		59-7/8" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,502.92 265.50	87.73
<b>08 52 16 00-0872</b>			<b>Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0811)</small> Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		

**08 Openings****08 50 Windows****08 52 Wood Windows**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 52 16 00-0873	12" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)		
08 52 16 00-0874	EA 40-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	548.59	44.42
	<i>For Tempered Low-E Insulated Glass, Add</i>	91.95	
08 52 16 00-0875	EA 48" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	644.56	48.86
	<i>For Tempered Low-E Insulated Glass, Add</i>	109.37	
08 52 16 00-0876	EA 52-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	685.46	51.08
	<i>For Tempered Low-E Insulated Glass, Add</i>	116.66	
08 52 16 00-0877	EA 59-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	743.86	55.52
	<i>For Tempered Low-E Insulated Glass, Add</i>	126.79	
08 52 16 00-0878	EA 64-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	783.84	57.74
	<i>For Tempered Low-E Insulated Glass, Add</i>	133.67	
08 52 16 00-0879	EA 71-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	842.24	62.18
	<i>For Tempered Low-E Insulated Glass, Add</i>	143.80	
<b>08 52 16 00-0880</b>	<b>35-15/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)</b>		
08 52 16 00-0881	EA 35-15/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	604.82	54.41
	<i>For Tempered Low-E Insulated Glass, Add</i>	99.20	
08 52 16 00-0882	EA 40-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	704.09	57.74
	<i>For Tempered Low-E Insulated Glass, Add</i>	117.94	
08 52 16 00-0883	EA 48" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	850.11	61.63
	<i>For Tempered Low-E Insulated Glass, Add</i>	145.37	
08 52 16 00-0884	EA 52-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	945.98	63.85
	<i>For Tempered Low-E Insulated Glass, Add</i>	163.66	
08 52 16 00-0885	EA 59-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,088.62	67.74
	<i>For Tempered Low-E Insulated Glass, Add</i>	190.63	
08 52 16 00-0886	EA 64-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,187.89	70.51
	<i>For Tempered Low-E Insulated Glass, Add</i>	209.37	
08 52 16 00-0887	EA 71-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,787.66	74.40
	<i>For Tempered Low-E Insulated Glass, Add</i>	327.77	
<b>08 52 16 00-0888</b>	<b>40-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)</b>		
08 52 16 00-0889	EA 35-15/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	704.09	57.74
	<i>For Tempered Low-E Insulated Glass, Add</i>	117.94	
08 52 16 00-0890	EA 40-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	803.35	59.97
	<i>For Tempered Low-E Insulated Glass, Add</i>	136.69	
08 52 16 00-0891	EA 48" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	949.39	64.41
	<i>For Tempered Low-E Insulated Glass, Add</i>	164.12	
08 52 16 00-0892	EA 52-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,045.26	66.62
	<i>For Tempered Low-E Insulated Glass, Add</i>	182.40	
08 52 16 00-0893	EA 59-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,187.89	71.06
	<i>For Tempered Low-E Insulated Glass, Add</i>	209.37	
08 52 16 00-0894	EA 64-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,287.15	73.29
	<i>For Tempered Low-E Insulated Glass, Add</i>	228.12	
08 52 16 00-0895	EA 71-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,429.79	77.73
	<i>For Tempered Low-E Insulated Glass, Add</i>	255.09	
<b>08 52 16 00-0896</b>	<b>48" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)</b>		
08 52 16 00-0897	EA 35-15/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	850.11	62.18
	<i>For Tempered Low-E Insulated Glass, Add</i>	145.37	
08 52 16 00-0898	EA 40-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	949.39	64.41
	<i>For Tempered Low-E Insulated Glass, Add</i>	164.12	
08 52 16 00-0899	EA 48" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,095.41	68.85
	<i>For Tempered Low-E Insulated Glass, Add</i>	191.54	
08 52 16 00-0900	EA 52-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,191.28	71.06
	<i>For Tempered Low-E Insulated Glass, Add</i>	209.83	
08 52 16 00-0901	EA 59-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,333.92	75.51
	<i>For Tempered Low-E Insulated Glass, Add</i>	236.80	
08 52 16 00-0902	EA 64-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,433.18	77.73
	<i>For Tempered Low-E Insulated Glass, Add</i>	255.54	
08 52 16 00-0903	EA 71-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,575.81	82.17
	<i>For Tempered Low-E Insulated Glass, Add</i>	282.52	
<b>08 52 16 00-0904</b>	<b>52-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)</b>		
08 52 16 00-0905	EA 35-15/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	945.98	64.41
	<i>For Tempered Low-E Insulated Glass, Add</i>	163.66	
08 52 16 00-0906	EA 40-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,045.26	66.62
	<i>For Tempered Low-E Insulated Glass, Add</i>	182.40	
08 52 16 00-0907	EA 48" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,191.28	71.06
	<i>For Tempered Low-E Insulated Glass, Add</i>	209.83	
08 52 16 00-0908	EA 52-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,287.15	73.29
	<i>For Tempered Low-E Insulated Glass, Add</i>	228.12	
08 52 16 00-0909	EA 59-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,429.79	77.73
	<i>For Tempered Low-E Insulated Glass, Add</i>	255.09	
08 52 16 00-0910	EA 64-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,529.05	79.95
	<i>For Tempered Low-E Insulated Glass, Add</i>	273.83	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0911	EA		71-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,806.54 327.77	84.39
<b>08 52 16 00-0912</b>			<b>59-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)</b>		
08 52 16 00-0913	EA		35-15/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,088.62 190.63	67.74
08 52 16 00-0914	EA		40-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,187.89 209.37	71.06
08 52 16 00-0915	EA		48" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,333.92 236.80	74.95
08 52 16 00-0916	EA		52-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,429.79 255.09	77.17
08 52 16 00-0917	EA		59-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,572.42 282.06	81.06
08 52 16 00-0918	EA		64-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,671.68 300.80	83.84
08 52 16 00-0919	EA		71-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,814.31 327.77	87.73
<b>08 52 16 00-0920</b>			<b>64-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)</b>		
08 52 16 00-0921	EA		35-15/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,187.89 209.37	71.06
08 52 16 00-0922	EA		40-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,287.15 228.12	73.29
08 52 16 00-0923	EA		48" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,433.18 255.54	77.73
08 52 16 00-0924	EA		52-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,529.05 273.83	79.95
08 52 16 00-0925	EA		59-7/8" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,806.54 327.77	84.39
<b>08 52 16 00-0926</b>			<b>71-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)</b>		
08 52 16 00-0927	EA		35-15/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,330.51 236.34	74.40
08 52 16 00-0928	EA		40-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,429.79 255.09	77.73
08 52 16 00-0929	EA		48" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,575.81 282.52	81.62
08 52 16 00-0930	EA		52-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,671.68 300.80	83.84
08 52 16 00-0931	EA		59-7/8" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,814.31 327.77	87.73
<b>08 52 16 00-0932</b>			<b>Picture Wood Clad Windows For Double Hung Windows (08 52 16 00-0810)</b>		
<b>08 52 16 00-0933</b>			<b>Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0932)</b> Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
<b>08 52 16 00-0934</b>			<b>35-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0933)</b>		
08 52 16 00-0935	EA		56-1/2" x 35-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	655.26 103.29	69.40
08 52 16 00-0936	EA		59-1/2" x 35-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	672.77 106.13	71.06
<b>08 52 16 00-0937</b>			<b>47-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0933)</b>		
08 52 16 00-0938	EA		47-1/2" x 47-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	672.77 106.13	71.06
08 52 16 00-0939	EA		71-1/2" x 47-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	816.89 129.62	84.39
<b>08 52 16 00-0940</b>			<b>53-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0933)</b>		
08 52 16 00-0941	EA		56-1/2" x 53-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	764.36 121.11	79.39
08 52 16 00-0942	EA		59-1/2" x 53-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	781.87 123.95	81.06
<b>08 52 16 00-0943</b>			<b>56-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0933)</b>		
08 52 16 00-0944	EA		35-1/2" x 56-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	655.26 103.29	69.95

**08 Openings****08 50 Windows****08 52 Wood Windows**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 52 16 00-0945	EA	53-1/2" x 56-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) .....764.36	79.39
		<i>For Tempered Clear Insulated Glass, Add</i>	121.11
<b>08 52 16 00-0946</b>		<b>59-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0933)</b>	
08 52 16 00-0947	EA	35-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) .....672.77	71.06
		<i>For Tempered Clear Insulated Glass, Add</i>	106.13
08 52 16 00-0948	EA	53-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) .....781.87	81.06
		<i>For Tempered Clear Insulated Glass, Add</i>	123.95
08 52 16 00-0949	EA	59-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) .....816.89	84.39
		<i>For Tempered Clear Insulated Glass, Add</i>	129.62
08 52 16 00-0950	EA	65-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) .....853.93	87.73
		<i>For Tempered Clear Insulated Glass, Add</i>	135.70
<b>08 52 16 00-0951</b>		<b>65-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0933)</b>	
08 52 16 00-0952	EA	59-1/2" x 65-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) .....853.93	87.73
		<i>For Tempered Clear Insulated Glass, Add</i>	135.70
<b>08 52 16 00-0953</b>		<b>71-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0933)</b>	
08 52 16 00-0954	EA	47-1/2" x 71-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) .....816.89	84.39
		<i>For Tempered Clear Insulated Glass, Add</i>	129.62
<b>08 52 16 00-0955</b>		<b>Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0932)</b>	
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.	
<b>08 52 16 00-0956</b>		<b>48-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0955)</b>	
08 52 16 00-0957	EA	12" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....738.31	52.19
		<i>For Tempered Low-E Insulated Glass, Add</i>	126.79
08 52 16 00-0958	EA	37-5/8" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....1,033.40	66.62
		<i>For Tempered Low-E Insulated Glass, Add</i>	180.25
08 52 16 00-0959	EA	41-5/8" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....1,078.37	68.29
		<i>For Tempered Low-E Insulated Glass, Add</i>	188.36
08 52 16 00-0960	EA	47-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....1,145.78	71.63
		<i>For Tempered Low-E Insulated Glass, Add</i>	200.51
08 52 16 00-0961	EA	51-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....1,190.73	74.40
		<i>For Tempered Low-E Insulated Glass, Add</i>	208.61
08 52 16 00-0962	EA	59-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....1,282.64	78.28
		<i>For Tempered Low-E Insulated Glass, Add</i>	225.22
08 52 16 00-0963	EA	67-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....1,374.58	83.28
		<i>For Tempered Low-E Insulated Glass, Add</i>	241.82
<b>08 52 16 00-0964</b>		<b>52-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0955)</b>	
08 52 16 00-0965	EA	12" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....785.28	54.41
		<i>For Tempered Low-E Insulated Glass, Add</i>	135.29
08 52 16 00-0966	EA	37-5/8" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....1,078.37	68.85
		<i>For Tempered Low-E Insulated Glass, Add</i>	188.36
08 52 16 00-0967	EA	41-5/8" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....1,125.34	70.51
		<i>For Tempered Low-E Insulated Glass, Add</i>	196.86
08 52 16 00-0968	EA	47-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....1,190.73	73.84
		<i>For Tempered Low-E Insulated Glass, Add</i>	208.61
08 52 16 00-0969	EA	51-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....1,237.70	76.62
		<i>For Tempered Low-E Insulated Glass, Add</i>	217.12
08 52 16 00-0970	EA	59-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....1,329.62	80.51
		<i>For Tempered Low-E Insulated Glass, Add</i>	233.72
08 52 16 00-0971	EA	67-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....1,421.55	85.50
		<i>For Tempered Low-E Insulated Glass, Add</i>	250.33
<b>08 52 16 00-0972</b>		<b>56-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0955)</b>	
08 52 16 00-0973	EA	12" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....830.23	56.63
		<i>For Tempered Low-E Insulated Glass, Add</i>	143.39
08 52 16 00-0974	EA	37-5/8" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....1,125.34	71.06
		<i>For Tempered Low-E Insulated Glass, Add</i>	196.86
08 52 16 00-0975	EA	41-5/8" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....1,170.29	72.73
		<i>For Tempered Low-E Insulated Glass, Add</i>	204.96
08 52 16 00-0976	EA	47-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....1,237.70	76.07
		<i>For Tempered Low-E Insulated Glass, Add</i>	217.12
08 52 16 00-0977	EA	51-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....1,282.64	78.84
		<i>For Tempered Low-E Insulated Glass, Add</i>	225.22
08 52 16 00-0978	EA	59-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....1,374.58	82.72
		<i>For Tempered Low-E Insulated Glass, Add</i>	241.82
08 52 16 00-0979	EA	67-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....1,468.53	87.73
		<i>For Tempered Low-E Insulated Glass, Add</i>	258.84

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>08 52 16 00-0980 60-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0955)</b>					
08 52 16 00-0981	EA		12" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	877.21 151.90	58.85
08 52 16 00-0982	EA		37-5/8" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,170.29 204.96	73.29
08 52 16 00-0983	EA		41-5/8" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,217.26 213.47	74.95
08 52 16 00-0984	EA		47-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,282.64 225.22	78.28
08 52 16 00-0985	EA		51-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,329.62 233.72	81.06
08 52 16 00-0986	EA		59-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,421.55 250.33	84.95
08 52 16 00-0987	EA		67-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,513.47 266.94	89.94
<b>08 52 16 00-0988 64-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0955)</b>					
08 52 16 00-0989	EA		12" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	922.16 160.00	61.07
08 52 16 00-0990	EA		37-5/8" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,217.26 213.47	75.51
08 52 16 00-0991	EA		41-5/8" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,264.23 221.98	77.17
08 52 16 00-0992	EA		47-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,329.62 233.72	80.51
08 52 16 00-0993	EA		51-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,374.58 241.82	83.28
08 52 16 00-0994	EA		59-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,468.53 258.84	87.16
08 52 16 00-0995	EA		67-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,560.45 275.45	92.17
<b>08 52 16 00-0996 68-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0955)</b>					
08 52 16 00-0997	EA		12" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	969.13 168.51	63.30
08 52 16 00-0998	EA		37-5/8" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,264.23 221.98	77.73
08 52 16 00-0999	EA		41-5/8" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,309.18 230.08	79.39
08 52 16 00-1000	EA		47-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,374.58 241.82	82.72
08 52 16 00-1001	EA		51-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,421.55 250.33	85.50
08 52 16 00-1002	EA		59-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,513.47 266.94	89.39
08 52 16 00-1003	EA		67-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,605.39 283.55	94.38
<b>08 52 16 00-1004 72-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0955)</b>					
08 52 16 00-1005	EA		12" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,014.07 176.61	65.51
08 52 16 00-1006	EA		37-5/8" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,309.18 230.08	79.95
08 52 16 00-1007	EA		41-5/8" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,356.15 238.58	81.62
08 52 16 00-1008	EA		47-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,421.55 250.33	84.95
08 52 16 00-1009	EA		51-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,468.53 258.84	87.73
08 52 16 00-1010	EA		59-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,560.45 275.45	91.60
08 52 16 00-1011	EA		67-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,652.36 292.05	96.61
<b>08 52 16 00-1012 76-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0955)</b>					
08 52 16 00-1013	EA		12" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,061.05 185.12	67.74
08 52 16 00-1014	EA		37-5/8" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,356.15 238.58	82.17
08 52 16 00-1015	EA		41-5/8" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,401.10 246.69	83.84
08 52 16 00-1016	EA		47-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,468.53 258.84	87.16
08 52 16 00-1017	EA		51-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,513.47 266.94	89.94

**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
08 52 16 00-1018	EA	59-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,605.39 283.55		93.83
08 52 16 00-1019	EA	67-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,697.31 300.15		98.82
08 52 16 00-1020		Picture Wood Clad Windows For Horizontal Sliding Windows <small>(08 52 16 00-0810)</small>			
08 52 16 00-1021		Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) <small>(08 52 16 00-1020)</small> Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.			
08 52 16 00-1022		35-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) <small>(08 52 16 00-1021)</small>			
08 52 16 00-1023	EA	56-1/2" x 35-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	655.26 103.29		69.40
08 52 16 00-1024	EA	59-1/2" x 35-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	672.77 106.13		71.06
08 52 16 00-1025		47-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) <small>(08 52 16 00-1021)</small>			
08 52 16 00-1026	EA	47-1/2" x 47-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	672.77 106.13		71.06
08 52 16 00-1027	EA	71-1/2" x 47-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	816.89 129.62		84.39
08 52 16 00-1028		53-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) <small>(08 52 16 00-1021)</small>			
08 52 16 00-1029	EA	56-1/2" x 53-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	764.36 121.11		79.39
08 52 16 00-1030	EA	59-1/2" x 53-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	781.87 123.95		81.06
08 52 16 00-1031		56-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) <small>(08 52 16 00-1021)</small>			
08 52 16 00-1032	EA	35-1/2" x 56-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	655.26 103.29		69.95
08 52 16 00-1033	EA	53-1/2" x 56-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	764.36 121.11		79.39
08 52 16 00-1034		59-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) <small>(08 52 16 00-1021)</small>			
08 52 16 00-1035	EA	35-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	672.77 106.13		71.06
08 52 16 00-1036	EA	53-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	781.87 123.95		81.06
08 52 16 00-1037	EA	59-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	816.89 129.62		84.39
08 52 16 00-1038	EA	65-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	853.93 135.70		87.73
08 52 16 00-1039		65-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) <small>(08 52 16 00-1021)</small>			
08 52 16 00-1040	EA	59-1/2" x 65-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	853.93 135.70		87.73
08 52 16 00-1041		71-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) <small>(08 52 16 00-1021)</small>			
08 52 16 00-1042	EA	47-1/2" x 71-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	816.89 129.62		84.39
08 52 16 00-1043		Basement Wood Clad Windows <small>(08 52 16)</small> Note: Basement windows are hinged at the bottom of the frame and swing outward with a crank or push out operation.			
08 52 16 00-1044		Basement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-1043)</small> Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware, Low-E insulated glass and insect screens. Excludes grilles.			
08 52 16 00-1045	EA	32-1/4" x 15-3/4", Basement Wood Clad Window (Andersen 400 Series) .....	344.61		44.42
08 52 16 00-1046	EA	32-1/4" x 19-3/4", Basement Wood Clad Window (Andersen 400 Series) .....	363.82		44.42
08 52 16 00-1047	EA	32-1/4" x 23-3/4", Basement Wood Clad Window (Andersen 400 Series) .....	380.72		44.42
08 52 16 00-1048		Factory Installed Grilles For Wood Clad Windows <small>(08 52 16)</small>			
08 52 16 00-1049		Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows <small>(08 52 16 00-1048)</small>			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 52 16 00-1050	EA		Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	49.98	
08 52 16 00-1051	EA		>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	73.65	
08 52 16 00-1052	EA		>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	99.95	
08 52 16 00-1053	EA		>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	126.25	
08 52 16 00-1054	EA		>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	178.86	

**08 52 16 00-1055 Fixed Exterior And Removable Interior Grilles, Factory Installed Grilles For Wood Clad Windows** (08 52 16 00-1048)

08 52 16 00-1056	EA		Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	79.96	
08 52 16 00-1057	EA		>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	117.84	
08 52 16 00-1058	EA		>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	159.92	
08 52 16 00-1059	EA		>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	202.01	
08 52 16 00-1060	EA		>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	286.18	

**08 52 16 00-1061 Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows** (08 52 16 00-1048)

08 52 16 00-1062	EA		Up To 9 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows.....	95.95	
08 52 16 00-1063	EA		>9 To 18 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows.....	141.40	
08 52 16 00-1064	EA		>18 To 24 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows.....	191.91	
08 52 16 00-1065	EA		>24 To 36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows.....	242.41	
08 52 16 00-1066	EA		>36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows.....	343.41	

**08 52 16 00-1067 Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows** (08 52 16 00-1048)

08 52 16 00-1068	EA		Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows.....	115.15	
08 52 16 00-1069	EA		>9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows.....	169.68	
08 52 16 00-1070	EA		>18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows.....	230.28	
08 52 16 00-1071	EA		>24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows.....	290.88	
08 52 16 00-1072	EA		>36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows.....	412.09	

**08 52 66 Wood Window Screens** (08 52)

**08 52 66 00-0001 Insect Screens For Wood Clad Windows** (08 52 66)

08 52 66 00-0002	EA		Up To 6 SF, Insect Screen For Wood Clad Windows.....	35.46	7.93
08 52 66 00-0003	EA		>6 To 9 SF, Insect Screen For Wood Clad Windows.....	41.05	7.93
08 52 66 00-0004	EA		>9 To 12 SF, Insect Screen For Wood Clad Windows.....	43.85	7.93
08 52 66 00-0005	EA		>12 To 15 SF, Insect Screen For Wood Clad Windows.....	49.45	7.93
08 52 66 00-0006	EA		>15 To 20 SF, Insect Screen For Wood Clad Windows.....	60.64	7.93
08 52 66 00-0007	EA		>20 To 25 SF, Insect Screen For Wood Clad Windows.....	66.24	7.93
08 52 66 00-0008	EA		>25 To 30 SF, Insect Screen For Wood Clad Windows.....	71.83	7.93
08 52 66 00-0009	EA		>30 To 35 SF, Insect Screen For Wood Clad Windows.....	77.43	7.93
08 52 66 00-0010	SF		>35 SF, Insect Screen For Wood Clad Windows.....	2.32	0.16

**08 53 Plastic Windows** (08 50)

**08 53 13 Vinyl Windows** (08 53)

**08 53 13 00-0001 Single Hung Vinyl Windows** (08 53 13)

**08 53 13 00-0002 New Construction, Single Hung Vinyl Windows (Silver Line 2200)** (08 53 13 00-0001)  
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

**08 53 13 00-0003 34" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)** (08 53 13 00-0002)

08 53 13 00-0004	EA		24" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	216.83	51.08
			For Colored Vinyl, Add	11.47	
			For Tinted Glass, Add	13.76	
			For Low-E Insulated Glass, Add	28.67	
			For Obscure Glass, Add	31.53	
08 53 13 00-0005	EA		28" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	227.66	53.30
			For Colored Vinyl, Add	12.11	
			For Tinted Glass, Add	14.53	
			For Low-E Insulated Glass, Add	30.27	
			For Obscure Glass, Add	33.29	

**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 53 13 00-0006	EA 30" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	232.35	54.41
	For Colored Vinyl, Add	12.35	
	For Tinted Glass, Add	14.82	
	For Low-E Insulated Glass, Add	30.88	
	For Obscure Glass, Add	33.97	
08 53 13 00-0007	EA 32" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	237.36	55.52
	For Colored Vinyl, Add	12.63	
	For Tinted Glass, Add	15.16	
	For Low-E Insulated Glass, Add	31.58	
	For Obscure Glass, Add	34.74	
08 53 13 00-0008	EA 36" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	249.62	57.74
	For Colored Vinyl, Add	13.41	
	For Tinted Glass, Add	16.10	
	For Low-E Insulated Glass, Add	33.54	
	For Obscure Glass, Add	36.89	
08 53 13 00-0009	EA 44" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	270.31	62.18
	For Colored Vinyl, Add	14.60	
	For Tinted Glass, Add	17.51	
	For Low-E Insulated Glass, Add	36.49	
	For Obscure Glass, Add	40.14	
<b>08 53 13 00-0010</b>	<b>36" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)</b> <small>(08 53 13 00-0002)</small>		
08 53 13 00-0011	EA 24" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	221.30	52.19
	For Colored Vinyl, Add	11.69	
	For Tinted Glass, Add	14.03	
	For Low-E Insulated Glass, Add	29.23	
	For Obscure Glass, Add	32.15	
08 53 13 00-0012	EA 28" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	232.13	53.30
	For Colored Vinyl, Add	12.33	
	For Tinted Glass, Add	14.80	
	For Low-E Insulated Glass, Add	30.83	
	For Obscure Glass, Add	33.91	
08 53 13 00-0013	EA 30" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	236.82	55.52
	For Colored Vinyl, Add	12.58	
	For Tinted Glass, Add	15.09	
	For Low-E Insulated Glass, Add	31.45	
	For Obscure Glass, Add	34.59	
08 53 13 00-0014	EA 32" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	241.83	56.63
	For Colored Vinyl, Add	12.86	
	For Tinted Glass, Add	15.43	
	For Low-E Insulated Glass, Add	32.14	
	For Obscure Glass, Add	35.36	
08 53 13 00-0015	EA 36" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	254.10	58.85
	For Colored Vinyl, Add	13.64	
	For Tinted Glass, Add	16.37	
	For Low-E Insulated Glass, Add	34.10	
	For Obscure Glass, Add	37.51	
08 53 13 00-0016	EA 44" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	274.79	63.30
	For Colored Vinyl, Add	14.82	
	For Tinted Glass, Add	17.78	
	For Low-E Insulated Glass, Add	37.05	
	For Obscure Glass, Add	40.76	
<b>08 53 13 00-0017</b>	<b>38" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)</b> <small>(08 53 13 00-0002)</small>		
08 53 13 00-0018	EA 24" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	225.67	53.30
	For Colored Vinyl, Add	11.91	
	For Tinted Glass, Add	14.29	
	For Low-E Insulated Glass, Add	29.77	
	For Obscure Glass, Add	32.74	
08 53 13 00-0019	EA 28" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	236.50	55.52
	For Colored Vinyl, Add	12.55	
	For Tinted Glass, Add	15.06	
	For Low-E Insulated Glass, Add	31.37	
	For Obscure Glass, Add	34.50	
08 53 13 00-0020	EA 30" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	241.33	56.63
	For Colored Vinyl, Add	12.81	
	For Tinted Glass, Add	15.37	
	For Low-E Insulated Glass, Add	32.02	
	For Obscure Glass, Add	35.22	
08 53 13 00-0021	EA 32" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	246.34	57.74
	For Colored Vinyl, Add	13.09	
	For Tinted Glass, Add	15.70	
	For Low-E Insulated Glass, Add	32.72	
	For Obscure Glass, Add	35.99	
08 53 13 00-0022	EA 36" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	258.76	59.97
	For Colored Vinyl, Add	13.88	
	For Tinted Glass, Add	16.66	
	For Low-E Insulated Glass, Add	34.71	
	For Obscure Glass, Add	38.18	
08 53 13 00-0023	EA 44" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	279.67	64.41
	For Colored Vinyl, Add	15.09	
	For Tinted Glass, Add	18.10	
	For Low-E Insulated Glass, Add	37.72	
	For Obscure Glass, Add	41.49	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**08 53 13 00-0024 44" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)**

08 53 13 00-0025	EA		24" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	238.95	56.63
			For Colored Vinyl, Add	12.57	
			For Tinted Glass, Add	15.08	
			For Low-E Insulated Glass, Add	31.42	
			For Obscure Glass, Add	34.56	
08 53 13 00-0026	EA		28" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	249.79	58.85
			For Colored Vinyl, Add	13.21	
			For Tinted Glass, Add	15.85	
			For Low-E Insulated Glass, Add	33.02	
			For Obscure Glass, Add	36.32	
08 53 13 00-0027	EA		30" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	255.08	59.97
			For Colored Vinyl, Add	13.52	
			For Tinted Glass, Add	16.22	
			For Low-E Insulated Glass, Add	33.79	
			For Obscure Glass, Add	37.17	
08 53 13 00-0028	EA		32" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	260.10	61.07
			For Colored Vinyl, Add	13.80	
			For Tinted Glass, Add	16.55	
			For Low-E Insulated Glass, Add	34.49	
			For Obscure Glass, Add	37.94	
08 53 13 00-0029	EA		36" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	272.99	63.30
			For Colored Vinyl, Add	14.64	
			For Tinted Glass, Add	17.57	
			For Low-E Insulated Glass, Add	36.60	
			For Obscure Glass, Add	40.26	
08 53 13 00-0030	EA		44" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	294.49	67.74
			For Colored Vinyl, Add	15.90	
			For Tinted Glass, Add	19.08	
			For Low-E Insulated Glass, Add	39.76	
			For Obscure Glass, Add	43.73	

**08 53 13 00-0031 46" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)**

08 53 13 00-0032	EA		24" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	243.42	57.74
			For Colored Vinyl, Add	12.79	
			For Tinted Glass, Add	15.35	
			For Low-E Insulated Glass, Add	31.99	
			For Obscure Glass, Add	35.18	
08 53 13 00-0033	EA		28" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	254.25	59.97
			For Colored Vinyl, Add	13.43	
			For Tinted Glass, Add	16.12	
			For Low-E Insulated Glass, Add	33.58	
			For Obscure Glass, Add	36.94	
08 53 13 00-0034	EA		30" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	259.71	61.07
			For Colored Vinyl, Add	13.76	
			For Tinted Glass, Add	16.51	
			For Low-E Insulated Glass, Add	34.39	
			For Obscure Glass, Add	37.83	
08 53 13 00-0035	EA		32" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	264.71	62.18
			For Colored Vinyl, Add	14.04	
			For Tinted Glass, Add	16.84	
			For Low-E Insulated Glass, Add	35.09	
			For Obscure Glass, Add	38.60	
08 53 13 00-0036	EA		36" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	277.75	64.41
			For Colored Vinyl, Add	14.89	
			For Tinted Glass, Add	17.87	
			For Low-E Insulated Glass, Add	37.24	
			For Obscure Glass, Add	40.96	
08 53 13 00-0037	EA		44" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	299.46	68.85
			For Colored Vinyl, Add	16.18	
			For Tinted Glass, Add	19.41	
			For Low-E Insulated Glass, Add	40.44	
			For Obscure Glass, Add	44.49	

**08 53 13 00-0038 48" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)**

08 53 13 00-0039	EA		24" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	247.94	58.85
			For Colored Vinyl, Add	13.02	
			For Tinted Glass, Add	15.63	
			For Low-E Insulated Glass, Add	32.56	
			For Obscure Glass, Add	35.81	
08 53 13 00-0040	EA		28" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	258.77	61.07
			For Colored Vinyl, Add	13.66	
			For Tinted Glass, Add	16.39	
			For Low-E Insulated Glass, Add	34.16	
			For Obscure Glass, Add	37.57	
08 53 13 00-0041	EA		30" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	264.35	62.18
			For Colored Vinyl, Add	14.00	
			For Tinted Glass, Add	16.80	
			For Low-E Insulated Glass, Add	35.00	
			For Obscure Glass, Add	38.50	

**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 53 13 00-0042	EA 32" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	269.37	63.30
	For Colored Vinyl, Add	14.28	
	For Tinted Glass, Add	17.13	
	For Low-E Insulated Glass, Add	35.70	
	For Obscure Glass, Add	39.26	
08 53 13 00-0043	EA 36" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	282.56	65.51
	For Colored Vinyl, Add	15.15	
	For Tinted Glass, Add	18.18	
	For Low-E Insulated Glass, Add	37.88	
	For Obscure Glass, Add	41.67	
08 53 13 00-0044	EA 44" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	304.47	69.95
	For Colored Vinyl, Add	16.46	
	For Tinted Glass, Add	19.75	
	For Low-E Insulated Glass, Add	41.14	
	For Obscure Glass, Add	45.25	
<b>08 53 13 00-0045</b>	<b>50" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)</b> <small>(08 53 13 00-0002)</small>		
08 53 13 00-0046	EA 24" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	252.29	59.97
	For Colored Vinyl, Add	13.24	
	For Tinted Glass, Add	15.88	
	For Low-E Insulated Glass, Add	33.09	
	For Obscure Glass, Add	36.40	
08 53 13 00-0047	EA 28" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	263.12	62.18
	For Colored Vinyl, Add	13.88	
	For Tinted Glass, Add	16.65	
	For Low-E Insulated Glass, Add	34.69	
	For Obscure Glass, Add	38.16	
08 53 13 00-0048	EA 30" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	268.88	63.30
	For Colored Vinyl, Add	14.23	
	For Tinted Glass, Add	17.07	
	For Low-E Insulated Glass, Add	35.57	
	For Obscure Glass, Add	39.13	
08 53 13 00-0049	EA 32" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	273.89	64.41
	For Colored Vinyl, Add	14.51	
	For Tinted Glass, Add	17.41	
	For Low-E Insulated Glass, Add	36.27	
	For Obscure Glass, Add	39.90	
08 53 13 00-0050	EA 36" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	287.23	66.62
	For Colored Vinyl, Add	15.40	
	For Tinted Glass, Add	18.48	
	For Low-E Insulated Glass, Add	38.50	
	For Obscure Glass, Add	42.34	
08 53 13 00-0051	EA 44" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	309.34	71.06
	For Colored Vinyl, Add	16.72	
	For Tinted Glass, Add	20.07	
	For Low-E Insulated Glass, Add	41.80	
	For Obscure Glass, Add	45.98	
<b>08 53 13 00-0052</b>	<b>52" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)</b> <small>(08 53 13 00-0002)</small>		
08 53 13 00-0053	EA 24" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	256.68	61.07
	For Colored Vinyl, Add	13.45	
	For Tinted Glass, Add	16.14	
	For Low-E Insulated Glass, Add	33.63	
	For Obscure Glass, Add	37.00	
08 53 13 00-0054	EA 28" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	267.51	63.30
	For Colored Vinyl, Add	14.09	
	For Tinted Glass, Add	16.91	
	For Low-E Insulated Glass, Add	35.23	
	For Obscure Glass, Add	38.75	
08 53 13 00-0055	EA 30" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	273.42	64.41
	For Colored Vinyl, Add	14.46	
	For Tinted Glass, Add	17.35	
	For Low-E Insulated Glass, Add	36.15	
	For Obscure Glass, Add	39.77	
08 53 13 00-0056	EA 32" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	278.44	65.51
	For Colored Vinyl, Add	14.74	
	For Tinted Glass, Add	17.69	
	For Low-E Insulated Glass, Add	36.85	
	For Obscure Glass, Add	40.54	
08 53 13 00-0057	EA 36" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	291.93	67.74
	For Colored Vinyl, Add	15.65	
	For Tinted Glass, Add	18.78	
	For Low-E Insulated Glass, Add	39.12	
	For Obscure Glass, Add	43.03	
08 53 13 00-0058	EA 44" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	314.24	72.18
	For Colored Vinyl, Add	16.99	
	For Tinted Glass, Add	20.39	
	For Low-E Insulated Glass, Add	42.47	
	For Obscure Glass, Add	46.72	
<b>08 53 13 00-0059</b>	<b>54" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)</b> <small>(08 53 13 00-0002)</small>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0060	EA		24" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	261.05	62.18
			For Colored Vinyl, Add	13.67	
			For Tinted Glass, Add	16.40	
			For Low-E Insulated Glass, Add	34.17	
			For Obscure Glass, Add	37.59	
08 53 13 00-0061	EA		28" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	271.89	64.41
			For Colored Vinyl, Add	14.31	
			For Tinted Glass, Add	17.17	
			For Low-E Insulated Glass, Add	35.77	
			For Obscure Glass, Add	39.35	
08 53 13 00-0062	EA		30" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	277.95	65.51
			For Colored Vinyl, Add	14.69	
			For Tinted Glass, Add	17.63	
			For Low-E Insulated Glass, Add	36.73	
			For Obscure Glass, Add	40.40	
08 53 13 00-0063	EA		32" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	282.96	66.62
			For Colored Vinyl, Add	14.97	
			For Tinted Glass, Add	17.97	
			For Low-E Insulated Glass, Add	37.43	
			For Obscure Glass, Add	41.17	
08 53 13 00-0064	EA		36" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	296.60	68.85
			For Colored Vinyl, Add	15.89	
			For Tinted Glass, Add	19.07	
			For Low-E Insulated Glass, Add	39.73	
			For Obscure Glass, Add	43.70	
08 53 13 00-0065	EA		44" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	319.11	73.29
			For Colored Vinyl, Add	17.25	
			For Tinted Glass, Add	20.70	
			For Low-E Insulated Glass, Add	43.14	
			For Obscure Glass, Add	47.45	
<b>08 53 13 00-0066</b>			<b>60" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)</b> <small>(08 53 13 00-0002)</small>		
08 53 13 00-0067	EA		24" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	274.47	65.51
			For Colored Vinyl, Add	14.34	
			For Tinted Glass, Add	17.21	
			For Low-E Insulated Glass, Add	35.86	
			For Obscure Glass, Add	39.45	
08 53 13 00-0068	EA		28" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	285.31	67.74
			For Colored Vinyl, Add	14.98	
			For Tinted Glass, Add	17.98	
			For Low-E Insulated Glass, Add	37.46	
			For Obscure Glass, Add	41.21	
08 53 13 00-0069	EA		30" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	291.79	68.85
			For Colored Vinyl, Add	15.41	
			For Tinted Glass, Add	18.49	
			For Low-E Insulated Glass, Add	38.53	
			For Obscure Glass, Add	42.38	
08 53 13 00-0070	EA		32" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	296.80	69.95
			For Colored Vinyl, Add	15.69	
			For Tinted Glass, Add	18.83	
			For Low-E Insulated Glass, Add	39.22	
			For Obscure Glass, Add	43.14	
08 53 13 00-0071	EA		36" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	310.91	72.18
			For Colored Vinyl, Add	16.66	
			For Tinted Glass, Add	19.99	
			For Low-E Insulated Glass, Add	41.64	
			For Obscure Glass, Add	45.80	
08 53 13 00-0072	EA		44" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	334.04	76.62
			For Colored Vinyl, Add	18.08	
			For Tinted Glass, Add	21.70	
			For Low-E Insulated Glass, Add	45.20	
			For Obscure Glass, Add	49.72	
<b>08 53 13 00-0073</b>			<b>62" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)</b> <small>(08 53 13 00-0002)</small>		
08 53 13 00-0074	EA		24" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	278.85	66.62
			For Colored Vinyl, Add	14.56	
			For Tinted Glass, Add	17.47	
			For Low-E Insulated Glass, Add	36.40	
			For Obscure Glass, Add	40.04	
08 53 13 00-0075	EA		28" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	289.69	68.85
			For Colored Vinyl, Add	15.20	
			For Tinted Glass, Add	18.24	
			For Low-E Insulated Glass, Add	38.00	
			For Obscure Glass, Add	41.80	
08 53 13 00-0076	EA		30" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	296.35	69.95
			For Colored Vinyl, Add	15.64	
			For Tinted Glass, Add	18.77	
			For Low-E Insulated Glass, Add	39.11	
			For Obscure Glass, Add	43.02	
08 53 13 00-0077	EA		32" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	301.36	71.06
			For Colored Vinyl, Add	15.92	
			For Tinted Glass, Add	19.11	
			For Low-E Insulated Glass, Add	39.81	
			For Obscure Glass, Add	43.79	

**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0078	EA		36" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	315.62	73.29
			For Colored Vinyl, Add	16.91	
			For Tinted Glass, Add	20.29	
			For Low-E Insulated Glass, Add	42.26	
			For Obscure Glass, Add	46.49	
08 53 13 00-0079	EA		44" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	338.96	77.73
			For Colored Vinyl, Add	18.35	
			For Tinted Glass, Add	22.02	
			For Low-E Insulated Glass, Add	45.88	
			For Obscure Glass, Add	50.46	
<b>08 53 13 00-0080</b>			<b>66" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)</b> <small>(08 53 13 00-0002)</small>		
08 53 13 00-0081	EA		24" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	287.72	68.85
			For Colored Vinyl, Add	15.00	
			For Tinted Glass, Add	18.00	
			For Low-E Insulated Glass, Add	37.51	
			For Obscure Glass, Add	41.26	
08 53 13 00-0082	EA		28" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	298.56	71.06
			For Colored Vinyl, Add	15.64	
			For Tinted Glass, Add	18.77	
			For Low-E Insulated Glass, Add	39.11	
			For Obscure Glass, Add	43.02	
08 53 13 00-0083	EA		30" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	305.51	72.18
			For Colored Vinyl, Add	16.12	
			For Tinted Glass, Add	19.34	
			For Low-E Insulated Glass, Add	40.29	
			For Obscure Glass, Add	44.32	
08 53 13 00-0084	EA		32" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	310.52	73.29
			For Colored Vinyl, Add	16.40	
			For Tinted Glass, Add	19.67	
			For Low-E Insulated Glass, Add	40.99	
			For Obscure Glass, Add	45.09	
08 53 13 00-0085	EA		36" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	325.11	75.51
			For Colored Vinyl, Add	17.41	
			For Tinted Glass, Add	20.89	
			For Low-E Insulated Glass, Add	43.52	
			For Obscure Glass, Add	47.87	
08 53 13 00-0086	EA		44" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	348.82	79.95
			For Colored Vinyl, Add	18.89	
			For Tinted Glass, Add	22.67	
			For Low-E Insulated Glass, Add	47.23	
			For Obscure Glass, Add	51.95	
<b>08 53 13 00-0087</b>			<b>72" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)</b> <small>(08 53 13 00-0002)</small>		
08 53 13 00-0088	EA		24" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	301.14	72.18
			For Colored Vinyl, Add	15.68	
			For Tinted Glass, Add	18.81	
			For Low-E Insulated Glass, Add	39.20	
			For Obscure Glass, Add	43.12	
08 53 13 00-0089	EA		28" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	311.97	74.40
			For Colored Vinyl, Add	16.32	
			For Tinted Glass, Add	19.58	
			For Low-E Insulated Glass, Add	40.80	
			For Obscure Glass, Add	44.87	
08 53 13 00-0090	EA		30" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	318.93	75.51
			For Colored Vinyl, Add	16.79	
			For Tinted Glass, Add	20.15	
			For Low-E Insulated Glass, Add	41.98	
			For Obscure Glass, Add	46.18	
08 53 13 00-0091	EA		32" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	323.94	76.62
			For Colored Vinyl, Add	17.07	
			For Tinted Glass, Add	20.48	
			For Low-E Insulated Glass, Add	42.68	
			For Obscure Glass, Add	46.94	
08 53 13 00-0092	EA		36" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	338.52	78.84
			For Colored Vinyl, Add	18.08	
			For Tinted Glass, Add	21.70	
			For Low-E Insulated Glass, Add	45.21	
			For Obscure Glass, Add	49.73	
08 53 13 00-0093	EA		44" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	362.24	83.28
			For Colored Vinyl, Add	19.57	
			For Tinted Glass, Add	23.48	
			For Low-E Insulated Glass, Add	48.92	
			For Obscure Glass, Add	53.81	
<b>08 53 13 00-0094</b>			<b>Replacement, Single Hung Vinyl Windows (Silver Line 2000)</b> <small>(08 53 13 00-0001)</small>		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0095	EA		Up To 73" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000) .....	300.61	58.29
			For Colored Vinyl, Add	18.40	
			For Tinted Glass, Add	22.08	
			For Low-E Insulated Glass, Add	46.00	
			For Obscure Glass, Add	50.60	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0096	EA		>73" To 83" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000) .....	329.43	63.85
			For Colored Vinyl, Add	20.17	
			For Tinted Glass, Add	24.21	
			For Low-E Insulated Glass, Add	50.44	
			For Obscure Glass, Add	55.48	
08 53 13 00-0097	EA		>83" To 93" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000) .....	356.48	69.40
			For Colored Vinyl, Add	21.77	
			For Tinted Glass, Add	26.12	
			For Low-E Insulated Glass, Add	54.42	
			For Obscure Glass, Add	59.86	
08 53 13 00-0098	EA		>93" To 101" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000) .....	377.22	74.95
			For Colored Vinyl, Add	22.73	
			For Tinted Glass, Add	27.28	
			For Low-E Insulated Glass, Add	56.83	
			For Obscure Glass, Add	62.51	
08 53 13 00-0099	EA		>101" To 110" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000) .....	398.66	80.51
			For Colored Vinyl, Add	23.77	
			For Tinted Glass, Add	28.52	
			For Low-E Insulated Glass, Add	59.42	
			For Obscure Glass, Add	65.36	
08 53 13 00-0100	EA		>110" To 120" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000) .....	431.38	86.06
			For Colored Vinyl, Add	25.93	
			For Tinted Glass, Add	31.11	
			For Low-E Insulated Glass, Add	64.82	
			For Obscure Glass, Add	71.30	
08 53 13 00-0101	UI		>120" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000).....	3.60	0.72
			For Colored Vinyl, Add	0.22	
			For Tinted Glass, Add	0.26	
			For Low-E Insulated Glass, Add	0.54	
			For Obscure Glass, Add	0.59	
<b>08 53 13 00-0102</b>			<b>Double Hung Vinyl Windows</b> <small>(08 53 13)</small>		
<b>08 53 13 00-0103</b>			<b>New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b> <small>(08 53 13 00-0102)</small>		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
<b>08 53 13 00-0104</b>			<b>34" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b> <small>(08 53 13 00-0103)</small>		
08 53 13 00-0105	EA		24" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	286.10	51.08
			For Colored Vinyl, Add	18.39	
			For Tinted Glass, Add	22.07	
			For Low-E Insulated Glass, Add	45.99	
			For Obscure Glass, Add	50.58	
08 53 13 00-0106	EA		28" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	296.93	53.30
			For Colored Vinyl, Add	19.03	
			For Tinted Glass, Add	22.84	
			For Low-E Insulated Glass, Add	47.58	
			For Obscure Glass, Add	52.34	
08 53 13 00-0107	EA		30" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	302.21	54.41
			For Colored Vinyl, Add	19.34	
			For Tinted Glass, Add	23.21	
			For Low-E Insulated Glass, Add	48.35	
			For Obscure Glass, Add	53.18	
08 53 13 00-0108	EA		32" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	307.22	55.52
			For Colored Vinyl, Add	19.62	
			For Tinted Glass, Add	23.54	
			For Low-E Insulated Glass, Add	49.05	
			For Obscure Glass, Add	53.95	
08 53 13 00-0109	EA		36" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	318.88	57.74
			For Colored Vinyl, Add	20.34	
			For Tinted Glass, Add	24.41	
			For Low-E Insulated Glass, Add	50.85	
			For Obscure Glass, Add	55.94	
08 53 13 00-0110	EA		44" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	338.80	62.18
			For Colored Vinyl, Add	21.44	
			For Tinted Glass, Add	25.73	
			For Low-E Insulated Glass, Add	53.61	
			For Obscure Glass, Add	58.97	
<b>08 53 13 00-0111</b>			<b>36" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b> <small>(08 53 13 00-0103)</small>		
08 53 13 00-0112	EA		24" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	290.57	52.19
			For Colored Vinyl, Add	18.62	
			For Tinted Glass, Add	22.34	
			For Low-E Insulated Glass, Add	46.55	
			For Obscure Glass, Add	51.20	
08 53 13 00-0113	EA		28" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	301.40	54.41
			For Colored Vinyl, Add	19.26	
			For Tinted Glass, Add	23.11	
			For Low-E Insulated Glass, Add	48.15	
			For Obscure Glass, Add	52.96	
08 53 13 00-0114	EA		30" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	306.68	55.52
			For Colored Vinyl, Add	19.56	
			For Tinted Glass, Add	23.48	
			For Low-E Insulated Glass, Add	48.91	
			For Obscure Glass, Add	53.80	

**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 53 13 00-0115	EA 32" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	311.69	56.63
	For Colored Vinyl, Add	19.84	
	For Tinted Glass, Add	23.81	
	For Low-E Insulated Glass, Add	49.61	
	For Obscure Glass, Add	54.57	
08 53 13 00-0116	EA 36" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	323.36	58.85
	For Colored Vinyl, Add	20.57	
	For Tinted Glass, Add	24.68	
	For Low-E Insulated Glass, Add	51.41	
	For Obscure Glass, Add	56.55	
08 53 13 00-0117	EA 44" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	343.28	63.30
	For Colored Vinyl, Add	21.67	
	For Tinted Glass, Add	26.00	
	For Low-E Insulated Glass, Add	54.17	
	For Obscure Glass, Add	59.59	
<b>08 53 13 00-0118</b>	<b>38" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b> <small>(08 53 13 00-0103)</small>		
08 53 13 00-0119	EA 24" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	294.71	53.30
	For Colored Vinyl, Add	18.81	
	For Tinted Glass, Add	22.57	
	For Low-E Insulated Glass, Add	47.03	
	For Obscure Glass, Add	51.73	
08 53 13 00-0120	EA 28" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	305.55	55.52
	For Colored Vinyl, Add	19.45	
	For Tinted Glass, Add	23.34	
	For Low-E Insulated Glass, Add	48.63	
	For Obscure Glass, Add	53.49	
08 53 13 00-0121	EA 30" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	310.95	56.63
	For Colored Vinyl, Add	19.77	
	For Tinted Glass, Add	23.72	
	For Low-E Insulated Glass, Add	49.42	
	For Obscure Glass, Add	54.36	
08 53 13 00-0122	EA 32" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	315.96	57.74
	For Colored Vinyl, Add	20.05	
	For Tinted Glass, Add	24.06	
	For Low-E Insulated Glass, Add	50.12	
	For Obscure Glass, Add	55.13	
08 53 13 00-0123	EA 36" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	327.80	59.97
	For Colored Vinyl, Add	20.79	
	For Tinted Glass, Add	24.95	
	For Low-E Insulated Glass, Add	51.97	
	For Obscure Glass, Add	57.17	
08 53 13 00-0124	EA 44" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	347.91	64.41
	For Colored Vinyl, Add	21.91	
	For Tinted Glass, Add	26.29	
	For Low-E Insulated Glass, Add	54.78	
	For Obscure Glass, Add	60.25	
<b>08 53 13 00-0125</b>	<b>44" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b> <small>(08 53 13 00-0103)</small>		
08 53 13 00-0126	EA 24" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	308.38	56.63
	For Colored Vinyl, Add	19.51	
	For Tinted Glass, Add	23.41	
	For Low-E Insulated Glass, Add	48.78	
	For Obscure Glass, Add	53.66	
08 53 13 00-0127	EA 28" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	319.22	58.85
	For Colored Vinyl, Add	20.15	
	For Tinted Glass, Add	24.18	
	For Low-E Insulated Glass, Add	50.38	
	For Obscure Glass, Add	55.42	
08 53 13 00-0128	EA 30" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	323.88	59.97
	For Colored Vinyl, Add	20.40	
	For Tinted Glass, Add	24.48	
	For Low-E Insulated Glass, Add	50.99	
	For Obscure Glass, Add	56.09	
08 53 13 00-0129	EA 32" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	328.90	61.07
	For Colored Vinyl, Add	20.68	
	For Tinted Glass, Add	24.81	
	For Low-E Insulated Glass, Add	51.69	
	For Obscure Glass, Add	56.86	
08 53 13 00-0130	EA 36" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	341.14	63.30
	For Colored Vinyl, Add	21.46	
	For Tinted Glass, Add	25.75	
	For Low-E Insulated Glass, Add	53.64	
	For Obscure Glass, Add	59.00	
08 53 13 00-0131	EA 44" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	362.13	67.74
	For Colored Vinyl, Add	22.67	
	For Tinted Glass, Add	27.20	
	For Low-E Insulated Glass, Add	56.67	
	For Obscure Glass, Add	62.33	
<b>08 53 13 00-0132</b>	<b>46" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b> <small>(08 53 13 00-0103)</small>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0133	EA		24" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	312.51	57.74
			For Colored Vinyl, Add	19.70	
			For Tinted Glass, Add	23.64	
			For Low-E Insulated Glass, Add	49.26	
			For Obscure Glass, Add	54.18	
08 53 13 00-0134	EA		28" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	323.34	59.97
			For Colored Vinyl, Add	20.34	
			For Tinted Glass, Add	24.41	
			For Low-E Insulated Glass, Add	50.86	
			For Obscure Glass, Add	55.94	
08 53 13 00-0135	EA		30" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	328.21	61.07
			For Colored Vinyl, Add	20.61	
			For Tinted Glass, Add	24.73	
			For Low-E Insulated Glass, Add	51.52	
			For Obscure Glass, Add	56.67	
08 53 13 00-0136	EA		32" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	333.22	62.18
			For Colored Vinyl, Add	20.89	
			For Tinted Glass, Add	25.06	
			For Low-E Insulated Glass, Add	52.22	
			For Obscure Glass, Add	57.44	
08 53 13 00-0137	EA		36" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	345.59	64.41
			For Colored Vinyl, Add	21.68	
			For Tinted Glass, Add	26.01	
			For Low-E Insulated Glass, Add	54.20	
			For Obscure Glass, Add	59.61	
08 53 13 00-0138	EA		44" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	367.13	68.85
			For Colored Vinyl, Add	22.94	
			For Tinted Glass, Add	27.53	
			For Low-E Insulated Glass, Add	57.36	
			For Obscure Glass, Add	63.10	
<b>08 53 13 00-0139</b>			<b>48" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b> <small>(08 53 13 00-0103)</small>		
08 53 13 00-0140	EA		24" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	316.68	58.85
			For Colored Vinyl, Add	19.90	
			For Tinted Glass, Add	23.88	
			For Low-E Insulated Glass, Add	49.74	
			For Obscure Glass, Add	54.72	
08 53 13 00-0141	EA		28" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	327.51	61.07
			For Colored Vinyl, Add	20.54	
			For Tinted Glass, Add	24.64	
			For Low-E Insulated Glass, Add	51.34	
			For Obscure Glass, Add	56.47	
08 53 13 00-0142	EA		30" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	332.48	62.18
			For Colored Vinyl, Add	20.81	
			For Tinted Glass, Add	24.97	
			For Low-E Insulated Glass, Add	52.03	
			For Obscure Glass, Add	57.23	
08 53 13 00-0143	EA		32" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	337.50	63.30
			For Colored Vinyl, Add	21.09	
			For Tinted Glass, Add	25.31	
			For Low-E Insulated Glass, Add	52.73	
			For Obscure Glass, Add	58.00	
08 53 13 00-0144	EA		36" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	350.04	65.51
			For Colored Vinyl, Add	21.90	
			For Tinted Glass, Add	26.28	
			For Low-E Insulated Glass, Add	54.75	
			For Obscure Glass, Add	60.23	
08 53 13 00-0145	EA		44" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	372.05	69.95
			For Colored Vinyl, Add	23.21	
			For Tinted Glass, Add	27.86	
			For Low-E Insulated Glass, Add	58.04	
			For Obscure Glass, Add	63.84	
<b>08 53 13 00-0146</b>			<b>50" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b> <small>(08 53 13 00-0103)</small>		
08 53 13 00-0147	EA		24" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	320.80	59.97
			For Colored Vinyl, Add	20.09	
			For Tinted Glass, Add	24.11	
			For Low-E Insulated Glass, Add	50.22	
			For Obscure Glass, Add	55.24	
08 53 13 00-0148	EA		28" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	331.63	62.18
			For Colored Vinyl, Add	20.73	
			For Tinted Glass, Add	24.87	
			For Low-E Insulated Glass, Add	51.82	
			For Obscure Glass, Add	57.00	
08 53 13 00-0149	EA		30" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	336.80	63.30
			For Colored Vinyl, Add	21.02	
			For Tinted Glass, Add	25.23	
			For Low-E Insulated Glass, Add	52.55	
			For Obscure Glass, Add	57.81	
08 53 13 00-0150	EA		32" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	341.81	64.41
			For Colored Vinyl, Add	21.30	
			For Tinted Glass, Add	25.56	
			For Low-E Insulated Glass, Add	53.25	
			For Obscure Glass, Add	58.58	

**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 53 13 00-0151	EA 36" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	354.49	66.62
	For Colored Vinyl, Add	22.12	
	For Tinted Glass, Add	26.55	
	For Low-E Insulated Glass, Add	55.31	
	For Obscure Glass, Add	60.84	
08 53 13 00-0152	EA 44" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	377.02	71.06
	For Colored Vinyl, Add	23.49	
	For Tinted Glass, Add	28.19	
	For Low-E Insulated Glass, Add	58.72	
	For Obscure Glass, Add	64.59	
<b>08 53 13 00-0153</b>	<b>52" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b> <small>(08 53 13 00-0103)</small>		
08 53 13 00-0154	EA 24" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	324.96	61.07
	For Colored Vinyl, Add	20.28	
	For Tinted Glass, Add	24.34	
	For Low-E Insulated Glass, Add	50.70	
	For Obscure Glass, Add	55.77	
08 53 13 00-0155	EA 28" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	335.79	63.30
	For Colored Vinyl, Add	20.92	
	For Tinted Glass, Add	25.10	
	For Low-E Insulated Glass, Add	52.30	
	For Obscure Glass, Add	57.53	
08 53 13 00-0156	EA 30" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	341.07	64.41
	For Colored Vinyl, Add	21.23	
	For Tinted Glass, Add	25.47	
	For Low-E Insulated Glass, Add	53.07	
	For Obscure Glass, Add	58.37	
08 53 13 00-0157	EA 32" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	346.08	65.51
	For Colored Vinyl, Add	21.51	
	For Tinted Glass, Add	25.81	
	For Low-E Insulated Glass, Add	53.76	
	For Obscure Glass, Add	59.14	
08 53 13 00-0158	EA 36" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	359.25	67.74
	For Colored Vinyl, Add	22.38	
	For Tinted Glass, Add	26.85	
	For Low-E Insulated Glass, Add	55.95	
	For Obscure Glass, Add	61.54	
08 53 13 00-0159	EA 44" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	381.92	72.18
	For Colored Vinyl, Add	23.76	
	For Tinted Glass, Add	28.51	
	For Low-E Insulated Glass, Add	59.39	
	For Obscure Glass, Add	65.33	
<b>08 53 13 00-0160</b>	<b>54" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b> <small>(08 53 13 00-0103)</small>		
08 53 13 00-0161	EA 24" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	329.11	62.18
	For Colored Vinyl, Add	20.48	
	For Tinted Glass, Add	24.57	
	For Low-E Insulated Glass, Add	51.19	
	For Obscure Glass, Add	56.31	
08 53 13 00-0162	EA 28" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	339.95	64.41
	For Colored Vinyl, Add	21.11	
	For Tinted Glass, Add	25.34	
	For Low-E Insulated Glass, Add	52.79	
	For Obscure Glass, Add	58.06	
08 53 13 00-0163	EA 30" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	345.40	65.51
	For Colored Vinyl, Add	21.44	
	For Tinted Glass, Add	25.72	
	For Low-E Insulated Glass, Add	53.59	
	For Obscure Glass, Add	58.95	
08 53 13 00-0164	EA 32" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	350.41	66.62
	For Colored Vinyl, Add	21.72	
	For Tinted Glass, Add	26.06	
	For Low-E Insulated Glass, Add	54.29	
	For Obscure Glass, Add	59.72	
08 53 13 00-0165	EA 36" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	364.01	68.85
	For Colored Vinyl, Add	22.63	
	For Tinted Glass, Add	27.16	
	For Low-E Insulated Glass, Add	56.58	
	For Obscure Glass, Add	62.24	
08 53 13 00-0166	EA 44" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	386.84	73.29
	For Colored Vinyl, Add	24.03	
	For Tinted Glass, Add	28.83	
	For Low-E Insulated Glass, Add	60.07	
	For Obscure Glass, Add	66.07	
<b>08 53 13 00-0167</b>	<b>60" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b> <small>(08 53 13 00-0103)</small>		
08 53 13 00-0168	EA 24" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	341.60	65.51
	For Colored Vinyl, Add	21.06	
	For Tinted Glass, Add	25.27	
	For Low-E Insulated Glass, Add	52.64	
	For Obscure Glass, Add	57.91	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0169	EA		28" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	352.43	67.74
			For Colored Vinyl, Add	21.70	
			For Tinted Glass, Add	26.04	
			For Low-E Insulated Glass, Add	54.24	
			For Obscure Glass, Add	59.66	
08 53 13 00-0170	EA		30" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	358.93	68.85
			For Colored Vinyl, Add	22.12	
			For Tinted Glass, Add	26.55	
			For Low-E Insulated Glass, Add	55.31	
			For Obscure Glass, Add	60.84	
08 53 13 00-0171	EA		32" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	363.94	69.95
			For Colored Vinyl, Add	22.40	
			For Tinted Glass, Add	26.88	
			For Low-E Insulated Glass, Add	56.01	
			For Obscure Glass, Add	61.61	
08 53 13 00-0172	EA		36" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	378.23	72.18
			For Colored Vinyl, Add	23.39	
			For Tinted Glass, Add	28.07	
			For Low-E Insulated Glass, Add	58.47	
			For Obscure Glass, Add	64.32	
08 53 13 00-0173	EA		44" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	401.65	76.62
			For Colored Vinyl, Add	24.84	
			For Tinted Glass, Add	29.81	
			For Low-E Insulated Glass, Add	62.10	
			For Obscure Glass, Add	68.31	
<b>08 53 13 00-0174</b>			<b>62" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b> <small>(08 53 13 00-0103)</small>		
08 53 13 00-0175	EA		24" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	345.74	66.62
			For Colored Vinyl, Add	21.25	
			For Tinted Glass, Add	25.50	
			For Low-E Insulated Glass, Add	53.12	
			For Obscure Glass, Add	58.43	
08 53 13 00-0176	EA		28" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	356.57	68.85
			For Colored Vinyl, Add	21.89	
			For Tinted Glass, Add	26.27	
			For Low-E Insulated Glass, Add	54.72	
			For Obscure Glass, Add	60.19	
08 53 13 00-0177	EA		30" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	363.51	69.95
			For Colored Vinyl, Add	22.36	
			For Tinted Glass, Add	26.83	
			For Low-E Insulated Glass, Add	55.90	
			For Obscure Glass, Add	61.49	
08 53 13 00-0178	EA		32" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	368.52	71.06
			For Colored Vinyl, Add	22.64	
			For Tinted Glass, Add	27.17	
			For Low-E Insulated Glass, Add	56.60	
			For Obscure Glass, Add	62.26	
08 53 13 00-0179	EA		36" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	382.95	73.29
			For Colored Vinyl, Add	23.64	
			For Tinted Glass, Add	28.37	
			For Low-E Insulated Glass, Add	59.10	
			For Obscure Glass, Add	65.00	
08 53 13 00-0180	EA		44" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	406.93	77.73
			For Colored Vinyl, Add	25.15	
			For Tinted Glass, Add	30.18	
			For Low-E Insulated Glass, Add	62.87	
			For Obscure Glass, Add	69.15	
<b>08 53 13 00-0181</b>			<b>66" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b> <small>(08 53 13 00-0103)</small>		
08 53 13 00-0182	EA		24" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	354.68	68.85
			For Colored Vinyl, Add	21.70	
			For Tinted Glass, Add	26.04	
			For Low-E Insulated Glass, Add	54.25	
			For Obscure Glass, Add	59.67	
08 53 13 00-0183	EA		28" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	365.52	71.06
			For Colored Vinyl, Add	22.34	
			For Tinted Glass, Add	26.81	
			For Low-E Insulated Glass, Add	55.85	
			For Obscure Glass, Add	61.43	
08 53 13 00-0184	EA		30" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	372.69	72.18
			For Colored Vinyl, Add	22.83	
			For Tinted Glass, Add	27.40	
			For Low-E Insulated Glass, Add	57.09	
			For Obscure Glass, Add	62.79	
08 53 13 00-0185	EA		32" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	377.70	73.29
			For Colored Vinyl, Add	23.11	
			For Tinted Glass, Add	27.74	
			For Low-E Insulated Glass, Add	57.78	
			For Obscure Glass, Add	63.56	
08 53 13 00-0186	EA		36" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	392.48	75.51
			For Colored Vinyl, Add	24.15	
			For Tinted Glass, Add	28.98	
			For Low-E Insulated Glass, Add	60.37	
			For Obscure Glass, Add	66.40	

**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 53 13 00-0187	EA 44" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	417.21	79.95
	For Colored Vinyl, Add	25.73	
	For Tinted Glass, Add	30.88	
	For Low-E Insulated Glass, Add	64.33	
	For Obscure Glass, Add	70.76	
<b>08 53 13 00-0188</b>	<b>72" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b> (08 53 13 00-0103)		
08 53 13 00-0189	EA 24" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	368.10	72.18
	For Colored Vinyl, Add	22.38	
	For Tinted Glass, Add	26.85	
	For Low-E Insulated Glass, Add	55.94	
	For Obscure Glass, Add	61.53	
08 53 13 00-0190	EA 28" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	378.93	74.40
	For Colored Vinyl, Add	23.01	
	For Tinted Glass, Add	27.62	
	For Low-E Insulated Glass, Add	57.54	
	For Obscure Glass, Add	63.29	
08 53 13 00-0191	EA 30" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	386.11	75.51
	For Colored Vinyl, Add	23.51	
	For Tinted Glass, Add	28.21	
	For Low-E Insulated Glass, Add	58.77	
	For Obscure Glass, Add	64.65	
08 53 13 00-0192	EA 32" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	391.12	76.62
	For Colored Vinyl, Add	23.79	
	For Tinted Glass, Add	28.55	
	For Low-E Insulated Glass, Add	59.47	
	For Obscure Glass, Add	65.42	
08 53 13 00-0193	EA 36" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	405.89	78.84
	For Colored Vinyl, Add	24.82	
	For Tinted Glass, Add	29.79	
	For Low-E Insulated Glass, Add	62.05	
	For Obscure Glass, Add	68.26	
08 53 13 00-0194	EA 44" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	430.62	83.28
	For Colored Vinyl, Add	26.41	
	For Tinted Glass, Add	31.69	
	For Low-E Insulated Glass, Add	66.02	
	For Obscure Glass, Add	72.62	
<b>08 53 13 00-0195</b>	<b>Replacement, Double Hung Vinyl Windows (Silver Line 8500)</b> (08 53 13 00-0102)		
	Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0196	EA Up To 73" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	346.61	58.29
	For Colored Vinyl, Add	23.00	
	For Tinted Glass, Add	27.60	
	For Low-E Insulated Glass, Add	57.50	
	For Obscure Glass, Add	63.25	
08 53 13 00-0197	EA >73" To 83" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	381.74	63.85
	For Colored Vinyl, Add	25.41	
	For Tinted Glass, Add	30.49	
	For Low-E Insulated Glass, Add	63.51	
	For Obscure Glass, Add	69.86	
08 53 13 00-0198	EA >83" To 93" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	415.08	69.40
	For Colored Vinyl, Add	27.63	
	For Tinted Glass, Add	33.15	
	For Low-E Insulated Glass, Add	69.07	
	For Obscure Glass, Add	75.98	
08 53 13 00-0199	EA >93" To 101" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	440.87	74.95
	For Colored Vinyl, Add	29.10	
	For Tinted Glass, Add	34.92	
	For Low-E Insulated Glass, Add	72.74	
	For Obscure Glass, Add	80.01	
08 53 13 00-0200	EA >101" To 110" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	467.98	80.51
	For Colored Vinyl, Add	30.70	
	For Tinted Glass, Add	36.84	
	For Low-E Insulated Glass, Add	76.75	
	For Obscure Glass, Add	84.42	
08 53 13 00-0201	EA >110" To 120" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	507.00	86.06
	For Colored Vinyl, Add	33.49	
	For Tinted Glass, Add	40.19	
	For Low-E Insulated Glass, Add	83.72	
	For Obscure Glass, Add	92.09	
08 53 13 00-0202	UI >120" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	4.23	0.72
	For Colored Vinyl, Add	0.28	
	For Tinted Glass, Add	0.33	
	For Low-E Insulated Glass, Add	0.70	
	For Obscure Glass, Add	0.77	
<b>08 53 13 00-0203</b>	<b>Casement Vinyl Windows</b> (08 53 13)		
<b>08 53 13 00-0204</b>	<b>New Construction, Casement Vinyl Windows (Silver Line 7550)</b> (08 53 13 00-0203)		
	Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
<b>08 53 13 00-0205</b>	<b>One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> (08 53 13 00-0204)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 53 13 00-0206			<b>24" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> (08 53 13 00-0205)		
08 53 13 00-0207	EA		17" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	256.59	42.19
			For Colored Vinyl, Add	17.33	
			For Tinted Glass, Add	20.80	
			For Low-E Insulated Glass, Add	43.33	
			For Obscure Glass, Add	47.66	
08 53 13 00-0208	EA		20" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	265.78	43.31
			For Colored Vinyl, Add	17.92	
			For Tinted Glass, Add	21.50	
			For Low-E Insulated Glass, Add	44.79	
			For Obscure Glass, Add	49.27	
08 53 13 00-0209	EA		24" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	276.07	45.53
			For Colored Vinyl, Add	18.50	
			For Tinted Glass, Add	22.20	
			For Low-E Insulated Glass, Add	46.26	
			For Obscure Glass, Add	50.88	
08 53 13 00-0210	EA		28" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	292.80	47.75
			For Colored Vinyl, Add	19.73	
			For Tinted Glass, Add	23.68	
			For Low-E Insulated Glass, Add	49.33	
			For Obscure Glass, Add	54.26	
08 53 13 00-0211			<b>28" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> (08 53 13 00-0205)		
08 53 13 00-0212	EA		17" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	271.94	44.42
			For Colored Vinyl, Add	18.42	
			For Tinted Glass, Add	22.11	
			For Low-E Insulated Glass, Add	46.05	
			For Obscure Glass, Add	50.66	
08 53 13 00-0213	EA		20" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	281.77	45.53
			For Colored Vinyl, Add	19.07	
			For Tinted Glass, Add	22.89	
			For Low-E Insulated Glass, Add	47.68	
			For Obscure Glass, Add	52.45	
08 53 13 00-0214	EA		24" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	292.71	47.75
			For Colored Vinyl, Add	19.72	
			For Tinted Glass, Add	23.67	
			For Low-E Insulated Glass, Add	49.31	
			For Obscure Glass, Add	54.24	
08 53 13 00-0215	EA		28" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	310.25	49.97
			For Colored Vinyl, Add	21.03	
			For Tinted Glass, Add	25.24	
			For Low-E Insulated Glass, Add	52.58	
			For Obscure Glass, Add	57.84	
08 53 13 00-0216			<b>36" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> (08 53 13 00-0205)		
08 53 13 00-0217	EA		17" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	291.40	47.75
			For Colored Vinyl, Add	19.59	
			For Tinted Glass, Add	23.51	
			For Low-E Insulated Glass, Add	48.98	
			For Obscure Glass, Add	53.88	
08 53 13 00-0218	EA		20" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	301.57	49.97
			For Colored Vinyl, Add	20.28	
			For Tinted Glass, Add	24.33	
			For Low-E Insulated Glass, Add	50.69	
			For Obscure Glass, Add	55.76	
08 53 13 00-0219	EA		24" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	312.88	51.64
			For Colored Vinyl, Add	20.96	
			For Tinted Glass, Add	25.15	
			For Low-E Insulated Glass, Add	52.40	
			For Obscure Glass, Add	57.64	
08 53 13 00-0220	EA		28" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	331.04	53.85
			For Colored Vinyl, Add	22.33	
			For Tinted Glass, Add	26.80	
			For Low-E Insulated Glass, Add	55.83	
			For Obscure Glass, Add	61.42	
08 53 13 00-0221			<b>40" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> (08 53 13 00-0205)		
08 53 13 00-0222	EA		17" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	308.25	51.08
			For Colored Vinyl, Add	20.72	
			For Tinted Glass, Add	24.86	
			For Low-E Insulated Glass, Add	51.80	
			For Obscure Glass, Add	56.98	
08 53 13 00-0223	EA		20" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	318.89	52.19
			For Colored Vinyl, Add	21.45	
			For Tinted Glass, Add	25.74	
			For Low-E Insulated Glass, Add	53.63	
			For Obscure Glass, Add	58.99	

**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 53 13 00-0224	EA 24" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	330.64	54.41
	For Colored Vinyl, Add	22.18	
	For Tinted Glass, Add	26.62	
	For Low-E Insulated Glass, Add	55.46	
	For Obscure Glass, Add	61.00	
08 53 13 00-0225	EA 28" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	350.10	56.63
	For Colored Vinyl, Add	23.68	
	For Tinted Glass, Add	28.42	
	For Low-E Insulated Glass, Add	59.21	
	For Obscure Glass, Add	65.13	
<b>08 53 13 00-0226</b>	<b>48" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)</b>		
08 53 13 00-0227	EA 17" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	328.53	55.52
	For Colored Vinyl, Add	21.86	
	For Tinted Glass, Add	26.23	
	For Low-E Insulated Glass, Add	54.65	
	For Obscure Glass, Add	60.12	
08 53 13 00-0228	EA 20" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	339.56	56.63
	For Colored Vinyl, Add	22.63	
	For Tinted Glass, Add	27.16	
	For Low-E Insulated Glass, Add	56.58	
	For Obscure Glass, Add	62.23	
08 53 13 00-0229	EA 24" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	351.74	58.85
	For Colored Vinyl, Add	23.40	
	For Tinted Glass, Add	28.08	
	For Low-E Insulated Glass, Add	58.51	
	For Obscure Glass, Add	64.36	
08 53 13 00-0230	EA 28" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	372.90	61.07
	For Colored Vinyl, Add	25.08	
	For Tinted Glass, Add	30.09	
	For Low-E Insulated Glass, Add	62.69	
	For Obscure Glass, Add	68.96	
<b>08 53 13 00-0231</b>	<b>52" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)</b>		
08 53 13 00-0232	EA 17" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	344.31	57.74
	For Colored Vinyl, Add	22.99	
	For Tinted Glass, Add	27.59	
	For Low-E Insulated Glass, Add	57.49	
	For Obscure Glass, Add	63.23	
08 53 13 00-0233	EA 20" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	355.90	58.85
	For Colored Vinyl, Add	23.82	
	For Tinted Glass, Add	28.58	
	For Low-E Insulated Glass, Add	59.55	
	For Obscure Glass, Add	65.50	
08 53 13 00-0234	EA 24" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	368.56	61.07
	For Colored Vinyl, Add	24.64	
	For Tinted Glass, Add	29.57	
	For Low-E Insulated Glass, Add	61.60	
	For Obscure Glass, Add	67.76	
08 53 13 00-0235	EA 28" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	390.05	63.30
	For Colored Vinyl, Add	26.35	
	For Tinted Glass, Add	31.62	
	For Low-E Insulated Glass, Add	65.87	
	For Obscure Glass, Add	72.45	
<b>08 53 13 00-0236</b>	<b>60" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)</b>		
08 53 13 00-0237	EA 17" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	363.43	61.07
	For Colored Vinyl, Add	24.13	
	For Tinted Glass, Add	28.95	
	For Low-E Insulated Glass, Add	60.32	
	For Obscure Glass, Add	66.35	
08 53 13 00-0238	EA 20" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	375.53	63.30
	For Colored Vinyl, Add	25.01	
	For Tinted Glass, Add	30.01	
	For Low-E Insulated Glass, Add	62.51	
	For Obscure Glass, Add	68.76	
08 53 13 00-0239	EA 24" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	388.74	64.96
	For Colored Vinyl, Add	25.88	
	For Tinted Glass, Add	31.06	
	For Low-E Insulated Glass, Add	64.71	
	For Obscure Glass, Add	71.18	
08 53 13 00-0240	EA 28" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	410.54	67.18
	For Colored Vinyl, Add	27.62	
	For Tinted Glass, Add	33.14	
	For Low-E Insulated Glass, Add	69.05	
	For Obscure Glass, Add	75.95	
<b>08 53 13 00-0241</b>	<b>64" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)</b>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0242	EA		17" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	380.05	64.41
			For Colored Vinyl, Add	25.24	
			For Tinted Glass, Add	30.28	
			For Low-E Insulated Glass, Add	63.09	
			For Obscure Glass, Add	69.40	
08 53 13 00-0243	EA		20" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	392.42	65.51
			For Colored Vinyl, Add	26.14	
			For Tinted Glass, Add	31.37	
			For Low-E Insulated Glass, Add	65.35	
			For Obscure Glass, Add	71.88	
08 53 13 00-0244	EA		24" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	406.35	67.74
			For Colored Vinyl, Add	27.09	
			For Tinted Glass, Add	32.51	
			For Low-E Insulated Glass, Add	67.72	
			For Obscure Glass, Add	74.49	
08 53 13 00-0245	EA		28" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	427.70	69.95
			For Colored Vinyl, Add	28.78	
			For Tinted Glass, Add	34.53	
			For Low-E Insulated Glass, Add	71.95	
			For Obscure Glass, Add	79.14	
<b>08 53 13 00-0246</b>			<b>72" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> (08 53 13 00-0205)		
08 53 13 00-0247	EA		17" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	400.91	67.74
			For Colored Vinyl, Add	26.54	
			For Tinted Glass, Add	31.85	
			For Low-E Insulated Glass, Add	66.36	
			For Obscure Glass, Add	73.00	
08 53 13 00-0248	EA		20" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	413.84	69.95
			For Colored Vinyl, Add	27.50	
			For Tinted Glass, Add	33.00	
			For Low-E Insulated Glass, Add	68.76	
			For Obscure Glass, Add	75.64	
08 53 13 00-0249	EA		24" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	427.27	71.63
			For Colored Vinyl, Add	28.40	
			For Tinted Glass, Add	34.08	
			For Low-E Insulated Glass, Add	71.01	
			For Obscure Glass, Add	78.11	
08 53 13 00-0250	EA		28" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	448.38	73.84
			For Colored Vinyl, Add	30.07	
			For Tinted Glass, Add	36.08	
			For Low-E Insulated Glass, Add	75.18	
			For Obscure Glass, Add	82.69	
<b>08 53 13 00-0251</b>			<b>Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> (08 53 13 00-0204)		
<b>08 53 13 00-0252</b>			<b>36" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> (08 53 13 00-0251)		
08 53 13 00-0253	EA		33" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	489.54	56.63
			For Colored Vinyl, Add	37.63	
			For Tinted Glass, Add	45.15	
			For Low-E Insulated Glass, Add	94.07	
			For Obscure Glass, Add	103.48	
08 53 13 00-0254	EA		40" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	509.13	61.07
			For Colored Vinyl, Add	38.81	
			For Tinted Glass, Add	46.57	
			For Low-E Insulated Glass, Add	97.02	
			For Obscure Glass, Add	106.72	
08 53 13 00-0255	EA		48" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	529.84	65.51
			For Colored Vinyl, Add	39.99	
			For Tinted Glass, Add	47.99	
			For Low-E Insulated Glass, Add	99.98	
			For Obscure Glass, Add	109.98	
08 53 13 00-0256	EA		56" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	552.75	69.40
			For Colored Vinyl, Add	41.40	
			For Tinted Glass, Add	49.67	
			For Low-E Insulated Glass, Add	103.49	
			For Obscure Glass, Add	113.84	
<b>08 53 13 00-0257</b>			<b>40" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> (08 53 13 00-0251)		
08 53 13 00-0258	EA		33" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	517.85	59.41
			For Colored Vinyl, Add	39.90	
			For Tinted Glass, Add	47.88	
			For Low-E Insulated Glass, Add	99.76	
			For Obscure Glass, Add	109.74	
08 53 13 00-0259	EA		40" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	538.41	63.30
			For Colored Vinyl, Add	41.18	
			For Tinted Glass, Add	49.42	
			For Low-E Insulated Glass, Add	102.96	
			For Obscure Glass, Add	113.25	

**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 53 13 00-0260	EA 48" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	560.10	67.74
	For Colored Vinyl, Add	42.46	
	For Tinted Glass, Add	50.96	
	For Low-E Insulated Glass, Add	106.16	
	For Obscure Glass, Add	116.77	
08 53 13 00-0261	EA 56" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	582.41	72.18
	For Colored Vinyl, Add	43.81	
	For Tinted Glass, Add	52.57	
	For Low-E Insulated Glass, Add	109.52	
	For Obscure Glass, Add	120.47	
<b>08 53 13 00-0262</b>	<b>48" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0251)</b>		
08 53 13 00-0263	EA 33" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	549.94	63.85
	For Colored Vinyl, Add	42.23	
	For Tinted Glass, Add	50.67	
	For Low-E Insulated Glass, Add	105.56	
	For Obscure Glass, Add	116.12	
08 53 13 00-0264	EA 40" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	571.20	67.74
	For Colored Vinyl, Add	43.57	
	For Tinted Glass, Add	52.29	
	For Low-E Insulated Glass, Add	108.93	
	For Obscure Glass, Add	119.83	
08 53 13 00-0265	EA 48" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	593.59	72.18
	For Colored Vinyl, Add	44.92	
	For Tinted Glass, Add	53.91	
	For Low-E Insulated Glass, Add	112.31	
	For Obscure Glass, Add	123.54	
08 53 13 00-0266	EA 56" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	617.55	76.62
	For Colored Vinyl, Add	46.43	
	For Tinted Glass, Add	55.72	
	For Low-E Insulated Glass, Add	116.08	
	For Obscure Glass, Add	127.69	
<b>08 53 13 00-0267</b>	<b>52" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0251)</b>		
08 53 13 00-0268	EA 33" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	577.53	66.07
	For Colored Vinyl, Add	44.54	
	For Tinted Glass, Add	53.45	
	For Low-E Insulated Glass, Add	111.35	
	For Obscure Glass, Add	122.49	
08 53 13 00-0269	EA 40" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	599.73	69.95
	For Colored Vinyl, Add	45.98	
	For Tinted Glass, Add	55.18	
	For Low-E Insulated Glass, Add	114.96	
	For Obscure Glass, Add	126.45	
08 53 13 00-0270	EA 48" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	623.04	74.40
	For Colored Vinyl, Add	47.43	
	For Tinted Glass, Add	56.91	
	For Low-E Insulated Glass, Add	118.56	
	For Obscure Glass, Add	130.42	
08 53 13 00-0271	EA 56" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	647.32	78.84
	For Colored Vinyl, Add	48.96	
	For Tinted Glass, Add	58.76	
	For Low-E Insulated Glass, Add	122.41	
	For Obscure Glass, Add	134.65	
<b>08 53 13 00-0272</b>	<b>60" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0251)</b>		
08 53 13 00-0273	EA 33" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	608.47	69.95
	For Colored Vinyl, Add	46.86	
	For Tinted Glass, Add	56.23	
	For Low-E Insulated Glass, Add	117.14	
	For Obscure Glass, Add	128.85	
08 53 13 00-0274	EA 40" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	631.60	74.40
	For Colored Vinyl, Add	48.39	
	For Tinted Glass, Add	58.07	
	For Low-E Insulated Glass, Add	120.98	
	For Obscure Glass, Add	133.08	
08 53 13 00-0275	EA 48" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	655.82	78.84
	For Colored Vinyl, Add	49.93	
	For Tinted Glass, Add	59.91	
	For Low-E Insulated Glass, Add	124.82	
	For Obscure Glass, Add	137.30	
08 53 13 00-0276	EA 56" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	680.42	82.72
	For Colored Vinyl, Add	51.50	
	For Tinted Glass, Add	61.80	
	For Low-E Insulated Glass, Add	128.74	
	For Obscure Glass, Add	141.61	
<b>08 53 13 00-0277</b>	<b>64" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0251)</b>		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0278	EA	33" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	637.94	72.73
		For Colored Vinyl, Add	49.25	
		For Tinted Glass, Add	59.10	
		For Low-E Insulated Glass, Add	123.12	
		For Obscure Glass, Add	135.43	
08 53 13 00-0279	EA	40" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	661.07	76.62
		For Colored Vinyl, Add	50.78	
		For Tinted Glass, Add	60.94	
		For Low-E Insulated Glass, Add	126.96	
		For Obscure Glass, Add	139.65	
08 53 13 00-0280	EA	48" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	685.21	81.06
		For Colored Vinyl, Add	52.31	
		For Tinted Glass, Add	62.77	
		For Low-E Insulated Glass, Add	130.77	
		For Obscure Glass, Add	143.85	
08 53 13 00-0281	EA	56" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	709.87	85.50
		For Colored Vinyl, Add	53.89	
		For Tinted Glass, Add	64.66	
		For Low-E Insulated Glass, Add	134.72	
		For Obscure Glass, Add	148.19	
<b>08 53 13 00-0282</b>		<b>72" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> <small>(08 53 13 00-0251)</small>		
08 53 13 00-0283	EA	33" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	671.17	76.62
		For Colored Vinyl, Add	51.79	
		For Tinted Glass, Add	62.15	
		For Low-E Insulated Glass, Add	129.48	
		For Obscure Glass, Add	142.43	
08 53 13 00-0284	EA	40" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	694.28	81.06
		For Colored Vinyl, Add	53.33	
		For Tinted Glass, Add	63.99	
		For Low-E Insulated Glass, Add	133.32	
		For Obscure Glass, Add	146.65	
08 53 13 00-0285	EA	48" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	718.54	85.50
		For Colored Vinyl, Add	54.86	
		For Tinted Glass, Add	65.84	
		For Low-E Insulated Glass, Add	137.16	
		For Obscure Glass, Add	150.88	
08 53 13 00-0286	EA	56" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	743.12	89.39
		For Colored Vinyl, Add	56.43	
		For Tinted Glass, Add	67.72	
		For Low-E Insulated Glass, Add	141.09	
		For Obscure Glass, Add	155.19	
<b>08 53 13 00-0287</b>		<b>Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> <small>(08 53 13 00-0204)</small>		
<b>08 53 13 00-0288</b>		<b>36" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> <small>(08 53 13 00-0287)</small>		
08 53 13 00-0289	EA	62" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	606.41	72.18
		For Colored Vinyl, Add	46.21	
		For Tinted Glass, Add	55.45	
		For Low-E Insulated Glass, Add	115.52	
		For Obscure Glass, Add	127.07	
08 53 13 00-0290	EA	72" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	636.98	77.73
		For Colored Vinyl, Add	48.15	
		For Tinted Glass, Add	57.78	
		For Low-E Insulated Glass, Add	120.38	
		For Obscure Glass, Add	132.42	
08 53 13 00-0291	EA	86" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	690.25	86.06
		For Colored Vinyl, Add	51.81	
		For Tinted Glass, Add	62.18	
		For Low-E Insulated Glass, Add	129.54	
		For Obscure Glass, Add	142.49	
<b>08 53 13 00-0292</b>		<b>40" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> <small>(08 53 13 00-0287)</small>		
08 53 13 00-0293	EA	62" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	644.43	75.51
		For Colored Vinyl, Add	49.45	
		For Tinted Glass, Add	59.34	
		For Low-E Insulated Glass, Add	123.63	
		For Obscure Glass, Add	135.99	
08 53 13 00-0294	EA	72" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	675.18	80.51
		For Colored Vinyl, Add	51.42	
		For Tinted Glass, Add	61.70	
		For Low-E Insulated Glass, Add	128.55	
		For Obscure Glass, Add	141.40	
08 53 13 00-0295	EA	86" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	731.10	88.84
		For Colored Vinyl, Add	55.34	
		For Tinted Glass, Add	66.41	
		For Low-E Insulated Glass, Add	138.36	
		For Obscure Glass, Add	152.19	

**08 Openings****08 50 Windows****08 53 Plastic Windows**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 53 13 00-0296	48" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0287)</small>		
08 53 13 00-0297	EA 62" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	682.24	79.95
	For Colored Vinyl, Add	52.23	
	For Tinted Glass, Add	62.68	
	For Low-E Insulated Glass, Add	130.59	
	For Obscure Glass, Add	143.64	
08 53 13 00-0298	EA 72" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	717.21	84.95
	For Colored Vinyl, Add	54.73	
	For Tinted Glass, Add	65.68	
	For Low-E Insulated Glass, Add	136.83	
	For Obscure Glass, Add	150.51	
08 53 13 00-0299	EA 86" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	775.36	93.28
	For Colored Vinyl, Add	58.88	
	For Tinted Glass, Add	70.66	
	For Low-E Insulated Glass, Add	147.20	
	For Obscure Glass, Add	161.92	
08 53 13 00-0300	52" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0287)</small>		
08 53 13 00-0301	EA 62" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	718.02	82.17
	For Colored Vinyl, Add	55.37	
	For Tinted Glass, Add	66.44	
	For Low-E Insulated Glass, Add	138.42	
	For Obscure Glass, Add	152.26	
08 53 13 00-0302	EA 72" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	755.46	87.73
	For Colored Vinyl, Add	58.00	
	For Tinted Glass, Add	69.60	
	For Low-E Insulated Glass, Add	145.01	
	For Obscure Glass, Add	159.51	
08 53 13 00-0303	EA 86" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	820.38	95.49
	For Colored Vinyl, Add	62.94	
	For Tinted Glass, Add	75.53	
	For Low-E Insulated Glass, Add	157.35	
	For Obscure Glass, Add	173.08	
08 53 13 00-0304	60" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0287)</small>		
08 53 13 00-0305	EA 62" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	757.12	86.06
	For Colored Vinyl, Add	58.50	
	For Tinted Glass, Add	70.20	
	For Low-E Insulated Glass, Add	146.25	
	For Obscure Glass, Add	160.88	
08 53 13 00-0306	EA 72" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	795.94	91.60
	For Colored Vinyl, Add	61.27	
	For Tinted Glass, Add	73.53	
	For Low-E Insulated Glass, Add	153.18	
	For Obscure Glass, Add	168.50	
08 53 13 00-0307	EA 86" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	868.75	99.38
	For Colored Vinyl, Add	67.00	
	For Tinted Glass, Add	80.40	
	For Low-E Insulated Glass, Add	167.50	
	For Obscure Glass, Add	184.24	
08 53 13 00-0308	64" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0287)</small>		
08 53 13 00-0309	EA 62" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	798.08	88.84
	For Colored Vinyl, Add	62.04	
	For Tinted Glass, Add	74.45	
	For Low-E Insulated Glass, Add	155.10	
	For Obscure Glass, Add	170.61	
08 53 13 00-0310	EA 72" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	836.87	94.38
	For Colored Vinyl, Add	64.81	
	For Tinted Glass, Add	77.77	
	For Low-E Insulated Glass, Add	162.03	
	For Obscure Glass, Add	178.23	
08 53 13 00-0311	EA 86" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	909.67	102.16
	For Colored Vinyl, Add	70.54	
	For Tinted Glass, Add	84.64	
	For Low-E Insulated Glass, Add	176.34	
	For Obscure Glass, Add	193.97	
08 53 13 00-0312	72" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0287)</small>		
08 53 13 00-0313	EA 62" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	841.31	92.72
	For Colored Vinyl, Add	65.59	
	For Tinted Glass, Add	78.71	
	For Low-E Insulated Glass, Add	163.97	
	For Obscure Glass, Add	180.37	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0314	EA		72" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7500).....	880.11	98.27
			For Colored Vinyl, Add	68.36	
			For Tinted Glass, Add	82.03	
			For Low-E Insulated Glass, Add	170.89	
			For Obscure Glass, Add	187.98	
08 53 13 00-0315	EA		86" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7500).....	952.92	106.04
			For Colored Vinyl, Add	74.08	
			For Tinted Glass, Add	88.90	
			For Low-E Insulated Glass, Add	185.21	
			For Obscure Glass, Add	203.73	
08 53 13 00-0316			<b>Replacement, Casement Vinyl Windows (Silver Line 7500)</b> <small>(08 53 13 00-0203)</small>		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0317			<b>One Operating Sash, Replacement, Casement Vinyl Windows (Silver Line 7500)</b> <small>(08 53 13 00-0316)</small>		
08 53 13 00-0318	EA		Up To 53" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	323.40	47.20
			For Colored Vinyl, Add	22.90	
			For Tinted Glass, Add	27.48	
			For Low-E Insulated Glass, Add	57.26	
			For Obscure Glass, Add	62.98	
08 53 13 00-0319	EA		>53 To 63" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500) .....	366.38	52.75
			For Colored Vinyl, Add	26.09	
			For Tinted Glass, Add	31.31	
			For Low-E Insulated Glass, Add	65.22	
			For Obscure Glass, Add	71.74	
08 53 13 00-0320	EA		>63 To 73" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500) .....	405.76	58.29
			For Colored Vinyl, Add	28.92	
			For Tinted Glass, Add	34.70	
			For Low-E Insulated Glass, Add	72.29	
			For Obscure Glass, Add	79.52	
08 53 13 00-0321	EA		>73" To 83" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500) .....	441.51	63.85
			For Colored Vinyl, Add	31.38	
			For Tinted Glass, Add	37.66	
			For Low-E Insulated Glass, Add	78.46	
			For Obscure Glass, Add	86.30	
08 53 13 00-0322	EA		>83" To 93" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500) .....	473.69	69.40
			For Colored Vinyl, Add	33.49	
			For Tinted Glass, Add	40.19	
			For Low-E Insulated Glass, Add	83.72	
			For Obscure Glass, Add	92.09	
08 53 13 00-0323	EA		>93" To 101" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500) .....	495.42	74.95
			For Colored Vinyl, Add	34.55	
			For Tinted Glass, Add	41.46	
			For Low-E Insulated Glass, Add	86.38	
			For Obscure Glass, Add	95.02	
08 53 13 00-0324	UI		>101" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500) .....	4.86	0.72
			For Colored Vinyl, Add	0.34	
			For Tinted Glass, Add	0.41	
			For Low-E Insulated Glass, Add	0.86	
			For Obscure Glass, Add	0.94	
08 53 13 00-0325			<b>Two Operating Sashes, Replacement, Casement Vinyl Windows (Silver Line 7500)</b> <small>(08 53 13 00-0316)</small>		
08 53 13 00-0326	EA		Up To 73" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500) .....	517.48	58.29
			For Colored Vinyl, Add	40.09	
			For Tinted Glass, Add	48.11	
			For Low-E Insulated Glass, Add	100.22	
			For Obscure Glass, Add	110.24	
08 53 13 00-0327	EA		>73" To 83" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500) .....	568.54	63.85
			For Colored Vinyl, Add	44.09	
			For Tinted Glass, Add	52.90	
			For Low-E Insulated Glass, Add	110.21	
			For Obscure Glass, Add	121.23	
08 53 13 00-0328	EA		>83" To 93" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500) .....	616.02	69.40
			For Colored Vinyl, Add	47.72	
			For Tinted Glass, Add	57.27	
			For Low-E Insulated Glass, Add	119.31	
			For Obscure Glass, Add	131.24	
08 53 13 00-0329	EA		>93" To 101" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500) .....	649.99	74.95
			For Colored Vinyl, Add	50.01	
			For Tinted Glass, Add	60.01	
			For Low-E Insulated Glass, Add	125.02	
			For Obscure Glass, Add	137.52	
08 53 13 00-0330	EA		>101" To 110" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500) .....	685.84	80.51
			For Colored Vinyl, Add	52.48	
			For Tinted Glass, Add	62.98	
			For Low-E Insulated Glass, Add	131.21	
			For Obscure Glass, Add	144.33	
08 53 13 00-0331	EA		>110" To 120" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500) .....	723.06	86.06
			For Colored Vinyl, Add	55.10	
			For Tinted Glass, Add	66.11	
			For Low-E Insulated Glass, Add	137.74	
			For Obscure Glass, Add	151.51	

**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 53 13 00-0332	UI >120" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	6.03	0.72
	For Colored Vinyl, Add	0.46	
	For Tinted Glass, Add	0.55	
	For Low-E Insulated Glass, Add	1.15	
	For Obscure Glass, Add	1.26	
<b>08 53 13 00-0333</b>	<b>Three Operating Sashes, Replacement, Casement Vinyl Windows (Silver Line 7500)</b> (08 53 13 00-0316)		
08 53 13 00-0334	EA Up To 73" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	537.19	58.29
	For Colored Vinyl, Add	42.06	
	For Tinted Glass, Add	50.47	
	For Low-E Insulated Glass, Add	105.15	
	For Obscure Glass, Add	115.66	
08 53 13 00-0335	EA >73" To 83" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	590.41	63.85
	For Colored Vinyl, Add	46.27	
	For Tinted Glass, Add	55.53	
	For Low-E Insulated Glass, Add	115.68	
	For Obscure Glass, Add	127.25	
08 53 13 00-0336	EA >83" To 93" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	641.13	69.40
	For Colored Vinyl, Add	50.23	
	For Tinted Glass, Add	60.28	
	For Low-E Insulated Glass, Add	125.58	
	For Obscure Glass, Add	138.14	
08 53 13 00-0337	EA >93" To 101" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	677.27	74.95
	For Colored Vinyl, Add	52.74	
	For Tinted Glass, Add	63.28	
	For Low-E Insulated Glass, Add	131.84	
	For Obscure Glass, Add	145.02	
08 53 13 00-0338	EA >101" To 110" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	715.55	80.51
	For Colored Vinyl, Add	55.46	
	For Tinted Glass, Add	66.55	
	For Low-E Insulated Glass, Add	138.64	
	For Obscure Glass, Add	152.50	
08 53 13 00-0339	EA >110" To 120" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	755.47	86.06
	For Colored Vinyl, Add	58.34	
	For Tinted Glass, Add	70.00	
	For Low-E Insulated Glass, Add	145.84	
	For Obscure Glass, Add	160.42	
08 53 13 00-0340	UI >120" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	6.30	0.72
	For Colored Vinyl, Add	0.49	
	For Tinted Glass, Add	0.58	
	For Low-E Insulated Glass, Add	1.22	
	For Obscure Glass, Add	1.34	
<b>08 53 13 00-0341</b>	<b>Awning Vinyl Windows</b> (08 53 13)		
<b>08 53 13 00-0342</b>	<b>New Construction, Awning Vinyl Windows (Silver Line 7450)</b> (08 53 13 00-0341) Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
<b>08 53 13 00-0343</b>	<b>Venting, New Construction, Awning Vinyl Windows (Silver Line 7450)</b> (08 53 13 00-0342)		
<b>08 53 13 00-0344</b>	<b>17" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450)</b> (08 53 13 00-0343)		
08 53 13 00-0345	EA 24" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	323.62	45.53
	For Colored Vinyl, Add	23.26	
	For Tinted Glass, Add	27.91	
	For Low-E Insulated Glass, Add	58.14	
	For Obscure Glass, Add	63.96	
08 53 13 00-0346	EA 28" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	338.86	47.75
	For Colored Vinyl, Add	24.34	
	For Tinted Glass, Add	29.20	
	For Low-E Insulated Glass, Add	60.84	
	For Obscure Glass, Add	66.93	
08 53 13 00-0347	EA 36" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	362.85	51.64
	For Colored Vinyl, Add	25.96	
	For Tinted Glass, Add	31.15	
	For Low-E Insulated Glass, Add	64.90	
	For Obscure Glass, Add	71.38	
08 53 13 00-0348	EA 40" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	378.59	54.41
	For Colored Vinyl, Add	26.98	
	For Tinted Glass, Add	32.37	
	For Low-E Insulated Glass, Add	67.44	
	For Obscure Glass, Add	74.19	
08 53 13 00-0349	EA 48" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	404.29	58.85
	For Colored Vinyl, Add	28.66	
	For Tinted Glass, Add	34.39	
	For Low-E Insulated Glass, Add	71.65	
	For Obscure Glass, Add	78.81	
<b>08 53 13 00-0350</b>	<b>20" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450)</b> (08 53 13 00-0343)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0351	EA		24" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	340.45	47.75
			For Colored Vinyl, Add	24.61	
			For Tinted Glass, Add	29.53	
			For Low-E Insulated Glass, Add	61.52	
			For Obscure Glass, Add	67.67	
08 53 13 00-0352	EA		28" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	355.69	49.97
			For Colored Vinyl, Add	25.69	
			For Tinted Glass, Add	30.82	
			For Low-E Insulated Glass, Add	64.22	
			For Obscure Glass, Add	70.64	
08 53 13 00-0353	EA		36" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	381.17	53.30
			For Colored Vinyl, Add	27.46	
			For Tinted Glass, Add	32.95	
			For Low-E Insulated Glass, Add	68.64	
			For Obscure Glass, Add	75.51	
08 53 13 00-0354	EA		40" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	396.94	56.63
			For Colored Vinyl, Add	28.48	
			For Tinted Glass, Add	34.17	
			For Low-E Insulated Glass, Add	71.20	
			For Obscure Glass, Add	78.31	
08 53 13 00-0355	EA		48" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	424.11	60.52
			For Colored Vinyl, Add	30.31	
			For Tinted Glass, Add	36.37	
			For Low-E Insulated Glass, Add	75.77	
			For Obscure Glass, Add	83.34	
<b>08 53 13 00-0356</b>			<b>24" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450)</b> <small>(08 53 13 00-0343)</small>		
08 53 13 00-0357	EA		24" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	352.38	49.97
			For Colored Vinyl, Add	25.36	
			For Tinted Glass, Add	30.43	
			For Low-E Insulated Glass, Add	63.39	
			For Obscure Glass, Add	69.73	
08 53 13 00-0358	EA		28" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	367.63	52.19
			For Colored Vinyl, Add	26.44	
			For Tinted Glass, Add	31.72	
			For Low-E Insulated Glass, Add	66.09	
			For Obscure Glass, Add	72.70	
08 53 13 00-0359	EA		36" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	393.86	55.52
			For Colored Vinyl, Add	28.28	
			For Tinted Glass, Add	33.94	
			For Low-E Insulated Glass, Add	70.71	
			For Obscure Glass, Add	77.78	
08 53 13 00-0360	EA		40" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	410.83	58.85
			For Colored Vinyl, Add	29.42	
			For Tinted Glass, Add	35.31	
			For Low-E Insulated Glass, Add	73.56	
			For Obscure Glass, Add	80.91	
08 53 13 00-0361	EA		48" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	438.31	62.73
			For Colored Vinyl, Add	31.28	
			For Tinted Glass, Add	37.54	
			For Low-E Insulated Glass, Add	78.21	
			For Obscure Glass, Add	86.03	
<b>08 53 13 00-0362</b>			<b>28" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450)</b> <small>(08 53 13 00-0343)</small>		
08 53 13 00-0363	EA		24" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	364.34	52.19
			For Colored Vinyl, Add	26.11	
			For Tinted Glass, Add	31.33	
			For Low-E Insulated Glass, Add	65.27	
			For Obscure Glass, Add	71.79	
08 53 13 00-0364	EA		28" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	379.58	54.41
			For Colored Vinyl, Add	27.19	
			For Tinted Glass, Add	32.62	
			For Low-E Insulated Glass, Add	67.97	
			For Obscure Glass, Add	74.76	
08 53 13 00-0365	EA		36" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	406.56	57.74
			For Colored Vinyl, Add	29.11	
			For Tinted Glass, Add	34.93	
			For Low-E Insulated Glass, Add	72.77	
			For Obscure Glass, Add	80.05	
08 53 13 00-0366	EA		40" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	424.65	61.07
			For Colored Vinyl, Add	30.36	
			For Tinted Glass, Add	36.43	
			For Low-E Insulated Glass, Add	75.90	
			For Obscure Glass, Add	83.49	
08 53 13 00-0367	EA		48" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	452.51	64.96
			For Colored Vinyl, Add	32.26	
			For Tinted Glass, Add	38.71	
			For Low-E Insulated Glass, Add	80.65	
			For Obscure Glass, Add	88.71	
<b>08 53 13 00-0368</b>			<b>36" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450)</b> <small>(08 53 13 00-0343)</small>		

**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 53 13 00-0369	EA 36" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450) .....	430.83	61.63
	For Colored Vinyl, Add	30.76	
	For Tinted Glass, Add	36.91	
	For Low-E Insulated Glass, Add	76.90	
	For Obscure Glass, Add	84.58	
08 53 13 00-0370	EA 40" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450) .....	448.94	64.41
	For Colored Vinyl, Add	32.01	
	For Tinted Glass, Add	38.42	
	For Low-E Insulated Glass, Add	80.03	
	For Obscure Glass, Add	88.04	
08 53 13 00-0371	EA 48" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450) .....	478.29	68.85
	For Colored Vinyl, Add	34.06	
	For Tinted Glass, Add	40.87	
	For Low-E Insulated Glass, Add	85.15	
	For Obscure Glass, Add	93.67	
<b>08 53 13 00-0372</b>	<b>Replacement, Awning Vinyl Windows (Silver Line 7400)</b> <small>(08 53 13 00-0341)</small>		
	Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0373	EA Up To 53" UI, Replacement, Awning Vinyl Window (Silver Line 7400) .....	337.71	47.20
	For Colored Vinyl, Add	24.33	
	For Tinted Glass, Add	29.20	
	For Low-E Insulated Glass, Add	60.83	
	For Obscure Glass, Add	66.92	
08 53 13 00-0374	EA >53" To 63" UI, Replacement, Awning Vinyl Window (Silver Line 7400) .....	389.07	52.75
	For Colored Vinyl, Add	28.36	
	For Tinted Glass, Add	34.03	
	For Low-E Insulated Glass, Add	70.90	
	For Obscure Glass, Add	77.98	
08 53 13 00-0375	EA >63" To 73" UI, Replacement, Awning Vinyl Window (Silver Line 7400) .....	438.62	58.29
	For Colored Vinyl, Add	32.20	
	For Tinted Glass, Add	38.64	
	For Low-E Insulated Glass, Add	80.51	
	For Obscure Glass, Add	88.56	
08 53 13 00-0376	EA >73" To 83" UI, Replacement, Awning Vinyl Window (Silver Line 7400) .....	486.35	63.85
	For Colored Vinyl, Add	35.87	
	For Tinted Glass, Add	43.04	
	For Low-E Insulated Glass, Add	89.67	
	For Obscure Glass, Add	98.63	
08 53 13 00-0377	EA >83" To 93" UI, Replacement, Awning Vinyl Window (Silver Line 7400) .....	532.29	69.40
	For Colored Vinyl, Add	39.35	
	For Tinted Glass, Add	47.22	
	For Low-E Insulated Glass, Add	98.37	
	For Obscure Glass, Add	108.21	
08 53 13 00-0378	EA >93" To 101" UI, Replacement, Awning Vinyl Window (Silver Line 7400) .....	559.07	74.95
	For Colored Vinyl, Add	40.92	
	For Tinted Glass, Add	49.10	
	For Low-E Insulated Glass, Add	102.29	
	For Obscure Glass, Add	112.52	
08 53 13 00-0379	UI >101" UI, Replacement, Awning Vinyl Window (Silver Line 7400) .....	5.49	0.72
	For Colored Vinyl, Add	0.41	
	For Tinted Glass, Add	0.49	
	For Low-E Insulated Glass, Add	1.01	
	For Obscure Glass, Add	1.11	
<b>08 53 13 00-0380</b>	<b>Horizontal Sliding Vinyl Windows</b> <small>(08 53 13)</small>		
<b>08 53 13 00-0381</b>	<b>New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)</b> <small>(08 53 13 00-0380)</small>		
	Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
<b>08 53 13 00-0382</b>	<b>20" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)</b> <small>(08 53 13 00-0381)</small>		
08 53 13 00-0383	EA 36" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	216.41	54.41
	For Colored Vinyl, Add	10.87	
	For Tinted Glass, Add	13.04	
	For Low-E Insulated Glass, Add	27.18	
	For Obscure Glass, Add	29.89	
08 53 13 00-0384	EA 48" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	240.39	61.07
	For Colored Vinyl, Add	11.94	
	For Tinted Glass, Add	14.32	
	For Low-E Insulated Glass, Add	29.84	
	For Obscure Glass, Add	32.82	
08 53 13 00-0385	EA 54" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	252.37	63.85
	For Colored Vinyl, Add	12.47	
	For Tinted Glass, Add	14.96	
	For Low-E Insulated Glass, Add	31.17	
	For Obscure Glass, Add	34.29	
08 53 13 00-0386	EA 60" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	264.37	67.18
	For Colored Vinyl, Add	13.00	
	For Tinted Glass, Add	15.60	
	For Low-E Insulated Glass, Add	32.50	
	For Obscure Glass, Add	35.75	
08 53 13 00-0387	EA 64" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	272.36	69.95
	For Colored Vinyl, Add	13.36	
	For Tinted Glass, Add	16.03	
	For Low-E Insulated Glass, Add	33.39	
	For Obscure Glass, Add	36.73	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0388	EA		72" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	288.35	73.84
			For Colored Vinyl, Add	14.07	
			For Tinted Glass, Add	16.88	
			For Low-E Insulated Glass, Add	35.17	
			For Obscure Glass, Add	38.68	
<b>08 53 13 00-0389</b>			<b>24" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)</b> (08 53 13 00-0381)		
08 53 13 00-0390	EA		36" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	226.85	56.63
			For Colored Vinyl, Add	11.47	
			For Tinted Glass, Add	13.76	
			For Low-E Insulated Glass, Add	28.67	
			For Obscure Glass, Add	31.54	
08 53 13 00-0391	EA		48" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	251.32	63.30
			For Colored Vinyl, Add	12.58	
			For Tinted Glass, Add	15.10	
			For Low-E Insulated Glass, Add	31.46	
			For Obscure Glass, Add	34.61	
08 53 13 00-0392	EA		54" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	263.60	66.07
			For Colored Vinyl, Add	13.15	
			For Tinted Glass, Add	15.78	
			For Low-E Insulated Glass, Add	32.87	
			For Obscure Glass, Add	36.15	
08 53 13 00-0393	EA		60" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	275.80	69.40
			For Colored Vinyl, Add	13.70	
			For Tinted Glass, Add	16.44	
			For Low-E Insulated Glass, Add	34.25	
			For Obscure Glass, Add	37.68	
08 53 13 00-0394	EA		64" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	283.95	72.18
			For Colored Vinyl, Add	14.07	
			For Tinted Glass, Add	16.89	
			For Low-E Insulated Glass, Add	35.18	
			For Obscure Glass, Add	38.70	
08 53 13 00-0395	EA		72" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	300.26	76.07
			For Colored Vinyl, Add	14.81	
			For Tinted Glass, Add	17.78	
			For Low-E Insulated Glass, Add	37.04	
			For Obscure Glass, Add	40.74	
<b>08 53 13 00-0396</b>			<b>36" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)</b> (08 53 13 00-0381)		
08 53 13 00-0397	EA		36" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	258.32	63.30
			For Colored Vinyl, Add	13.28	
			For Tinted Glass, Add	15.94	
			For Low-E Insulated Glass, Add	33.21	
			For Obscure Glass, Add	36.53	
08 53 13 00-0398	EA		48" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	284.35	69.95
			For Colored Vinyl, Add	14.56	
			For Tinted Glass, Add	17.47	
			For Low-E Insulated Glass, Add	36.39	
			For Obscure Glass, Add	40.03	
08 53 13 00-0399	EA		54" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	297.39	72.73
			For Colored Vinyl, Add	15.19	
			For Tinted Glass, Add	18.23	
			For Low-E Insulated Glass, Add	37.98	
			For Obscure Glass, Add	41.78	
08 53 13 00-0400	EA		60" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	310.40	76.07
			For Colored Vinyl, Add	15.83	
			For Tinted Glass, Add	18.99	
			For Low-E Insulated Glass, Add	39.57	
			For Obscure Glass, Add	43.53	
08 53 13 00-0401	EA		64" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	319.09	77.73
			For Colored Vinyl, Add	16.25	
			For Tinted Glass, Add	19.50	
			For Low-E Insulated Glass, Add	40.63	
			For Obscure Glass, Add	44.70	
08 53 13 00-0402	EA		72" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	336.47	82.72
			For Colored Vinyl, Add	17.10	
			For Tinted Glass, Add	20.52	
			For Low-E Insulated Glass, Add	42.75	
			For Obscure Glass, Add	47.03	
<b>08 53 13 00-0403</b>			<b>42" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)</b> (08 53 13 00-0381)		
08 53 13 00-0404	EA		36" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	274.04	66.62
			For Colored Vinyl, Add	14.19	
			For Tinted Glass, Add	17.03	
			For Low-E Insulated Glass, Add	35.48	
			For Obscure Glass, Add	39.03	
08 53 13 00-0405	EA		48" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	300.89	73.29
			For Colored Vinyl, Add	15.54	
			For Tinted Glass, Add	18.65	
			For Low-E Insulated Glass, Add	38.86	
			For Obscure Glass, Add	42.74	

**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 53 13 00-0406	EA	54" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	314.31	76.07
		<i>For Colored Vinyl, Add</i>	16.22	
		<i>For Tinted Glass, Add</i>	19.46	
		<i>For Low-E Insulated Glass, Add</i>	40.55	
		<i>For Obscure Glass, Add</i>	44.60	
08 53 13 00-0407	EA	60" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	327.73	79.39
		<i>For Colored Vinyl, Add</i>	16.89	
		<i>For Tinted Glass, Add</i>	20.27	
		<i>For Low-E Insulated Glass, Add</i>	42.24	
		<i>For Obscure Glass, Add</i>	46.46	
08 53 13 00-0408	EA	64" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	336.65	82.17
		<i>For Colored Vinyl, Add</i>	17.34	
		<i>For Tinted Glass, Add</i>	20.81	
		<i>For Low-E Insulated Glass, Add</i>	43.36	
		<i>For Obscure Glass, Add</i>	47.69	
08 53 13 00-0409	EA	72" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	354.55	86.06
		<i>For Colored Vinyl, Add</i>	18.24	
		<i>For Tinted Glass, Add</i>	21.89	
		<i>For Low-E Insulated Glass, Add</i>	45.61	
		<i>For Obscure Glass, Add</i>	50.17	

**08 53 13 00-0410 44" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)**
(08 53 13 00-0381)

08 53 13 00-0411	EA	36" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	279.30	67.74
		<i>For Colored Vinyl, Add</i>	14.49	
		<i>For Tinted Glass, Add</i>	17.39	
		<i>For Low-E Insulated Glass, Add</i>	36.24	
		<i>For Obscure Glass, Add</i>	39.86	
08 53 13 00-0412	EA	48" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	306.39	74.40
		<i>For Colored Vinyl, Add</i>	15.87	
		<i>For Tinted Glass, Add</i>	19.05	
		<i>For Low-E Insulated Glass, Add</i>	39.68	
		<i>For Obscure Glass, Add</i>	43.65	
08 53 13 00-0413	EA	54" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	319.94	77.17
		<i>For Colored Vinyl, Add</i>	16.56	
		<i>For Tinted Glass, Add</i>	19.87	
		<i>For Low-E Insulated Glass, Add</i>	41.40	
		<i>For Obscure Glass, Add</i>	45.54	
08 53 13 00-0414	EA	60" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	333.49	80.51
		<i>For Colored Vinyl, Add</i>	17.25	
		<i>For Tinted Glass, Add</i>	20.70	
		<i>For Low-E Insulated Glass, Add</i>	43.12	
		<i>For Obscure Glass, Add</i>	47.43	
08 53 13 00-0415	EA	64" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	342.54	83.28
		<i>For Colored Vinyl, Add</i>	17.71	
		<i>For Tinted Glass, Add</i>	21.25	
		<i>For Low-E Insulated Glass, Add</i>	44.27	
		<i>For Obscure Glass, Add</i>	48.70	
08 53 13 00-0416	EA	72" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	360.58	87.16
		<i>For Colored Vinyl, Add</i>	18.62	
		<i>For Tinted Glass, Add</i>	22.35	
		<i>For Low-E Insulated Glass, Add</i>	46.56	
		<i>For Obscure Glass, Add</i>	51.22	

**08 53 13 00-0417 46" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)**
(08 53 13 00-0381)

08 53 13 00-0418	EA	36" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	284.55	68.85
		<i>For Colored Vinyl, Add</i>	14.80	
		<i>For Tinted Glass, Add</i>	17.76	
		<i>For Low-E Insulated Glass, Add</i>	36.99	
		<i>For Obscure Glass, Add</i>	40.69	
08 53 13 00-0419	EA	48" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	311.90	75.51
		<i>For Colored Vinyl, Add</i>	16.20	
		<i>For Tinted Glass, Add</i>	19.44	
		<i>For Low-E Insulated Glass, Add</i>	40.50	
		<i>For Obscure Glass, Add</i>	44.55	
08 53 13 00-0420	EA	54" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	325.57	78.28
		<i>For Colored Vinyl, Add</i>	16.90	
		<i>For Tinted Glass, Add</i>	20.28	
		<i>For Low-E Insulated Glass, Add</i>	42.25	
		<i>For Obscure Glass, Add</i>	46.48	
08 53 13 00-0421	EA	60" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	339.24	81.62
		<i>For Colored Vinyl, Add</i>	17.60	
		<i>For Tinted Glass, Add</i>	21.12	
		<i>For Low-E Insulated Glass, Add</i>	44.00	
		<i>For Obscure Glass, Add</i>	48.40	
08 53 13 00-0422	EA	64" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	348.37	84.39
		<i>For Colored Vinyl, Add</i>	18.07	
		<i>For Tinted Glass, Add</i>	21.68	
		<i>For Low-E Insulated Glass, Add</i>	45.18	
		<i>For Obscure Glass, Add</i>	49.69	
08 53 13 00-0423	EA	72" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	366.61	88.28
		<i>For Colored Vinyl, Add</i>	19.01	
		<i>For Tinted Glass, Add</i>	22.81	
		<i>For Low-E Insulated Glass, Add</i>	47.52	
		<i>For Obscure Glass, Add</i>	52.27	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**08 53 13 00-0424 48" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)** (08 53 13 00-0381)

08 53 13 00-0425	EA		36" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	289.79	69.95
			For Colored Vinyl, Add	15.10	
			For Tinted Glass, Add	18.12	
			For Low-E Insulated Glass, Add	37.75	
			For Obscure Glass, Add	41.52	
08 53 13 00-0426	EA		48" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	317.40	76.62
			For Colored Vinyl, Add	16.53	
			For Tinted Glass, Add	19.83	
			For Low-E Insulated Glass, Add	41.32	
			For Obscure Glass, Add	45.45	
08 53 13 00-0427	EA		54" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	331.22	79.39
			For Colored Vinyl, Add	17.24	
			For Tinted Glass, Add	20.69	
			For Low-E Insulated Glass, Add	43.11	
			For Obscure Glass, Add	47.42	
08 53 13 00-0428	EA		60" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	345.02	82.72
			For Colored Vinyl, Add	17.96	
			For Tinted Glass, Add	21.55	
			For Low-E Insulated Glass, Add	44.89	
			For Obscure Glass, Add	49.38	
08 53 13 00-0429	EA		64" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	354.23	85.50
			For Colored Vinyl, Add	18.43	
			For Tinted Glass, Add	22.12	
			For Low-E Insulated Glass, Add	46.08	
			For Obscure Glass, Add	50.69	
08 53 13 00-0430	EA		72" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	372.66	89.39
			For Colored Vinyl, Add	19.39	
			For Tinted Glass, Add	23.27	
			For Low-E Insulated Glass, Add	48.47	
			For Obscure Glass, Add	53.32	

**08 53 13 00-0431 50" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)** (08 53 13 00-0381)

08 53 13 00-0432	EA		36" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	295.04	71.06
			For Colored Vinyl, Add	15.40	
			For Tinted Glass, Add	18.48	
			For Low-E Insulated Glass, Add	38.50	
			For Obscure Glass, Add	42.35	
08 53 13 00-0433	EA		48" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	322.91	77.73
			For Colored Vinyl, Add	16.86	
			For Tinted Glass, Add	20.23	
			For Low-E Insulated Glass, Add	42.14	
			For Obscure Glass, Add	46.35	
08 53 13 00-0434	EA		54" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	336.83	80.51
			For Colored Vinyl, Add	17.58	
			For Tinted Glass, Add	21.10	
			For Low-E Insulated Glass, Add	43.96	
			For Obscure Glass, Add	48.35	
08 53 13 00-0435	EA		60" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	350.78	83.84
			For Colored Vinyl, Add	18.31	
			For Tinted Glass, Add	21.97	
			For Low-E Insulated Glass, Add	45.78	
			For Obscure Glass, Add	50.36	
08 53 13 00-0436	EA		64" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	360.08	86.61
			For Colored Vinyl, Add	18.80	
			For Tinted Glass, Add	22.56	
			For Low-E Insulated Glass, Add	46.99	
			For Obscure Glass, Add	51.69	
08 53 13 00-0437	EA		72" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	378.66	90.50
			For Colored Vinyl, Add	19.77	
			For Tinted Glass, Add	23.72	
			For Low-E Insulated Glass, Add	49.42	
			For Obscure Glass, Add	54.36	

**08 53 13 00-0438 52" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)** (08 53 13 00-0381)

08 53 13 00-0439	EA		36" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	300.28	72.18
			For Colored Vinyl, Add	15.70	
			For Tinted Glass, Add	18.84	
			For Low-E Insulated Glass, Add	39.26	
			For Obscure Glass, Add	43.19	
08 53 13 00-0440	EA		48" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	328.42	78.84
			For Colored Vinyl, Add	17.19	
			For Tinted Glass, Add	20.62	
			For Low-E Insulated Glass, Add	42.97	
			For Obscure Glass, Add	47.26	
08 53 13 00-0441	EA		54" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	342.49	81.62
			For Colored Vinyl, Add	17.93	
			For Tinted Glass, Add	21.51	
			For Low-E Insulated Glass, Add	44.82	
			For Obscure Glass, Add	49.30	

**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 53 13 00-0442	EA 60" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	356.57	84.95
	For Colored Vinyl, Add	18.67	
	For Tinted Glass, Add	22.40	
	For Low-E Insulated Glass, Add	46.67	
	For Obscure Glass, Add	51.33	
08 53 13 00-0443	EA 64" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	365.95	87.73
	For Colored Vinyl, Add	19.16	
	For Tinted Glass, Add	22.99	
	For Low-E Insulated Glass, Add	47.90	
	For Obscure Glass, Add	52.69	
08 53 13 00-0444	EA 72" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	384.71	91.60
	For Colored Vinyl, Add	20.15	
	For Tinted Glass, Add	24.18	
	For Low-E Insulated Glass, Add	50.37	
	For Obscure Glass, Add	55.41	
<b>08 53 13 00-0445</b>	<b>54" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)</b> <small>(08 53 13 00-0381)</small>		
08 53 13 00-0446	EA 36" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	305.53	73.29
	For Colored Vinyl, Add	16.01	
	For Tinted Glass, Add	19.21	
	For Low-E Insulated Glass, Add	40.02	
	For Obscure Glass, Add	44.02	
08 53 13 00-0447	EA 48" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	333.92	79.95
	For Colored Vinyl, Add	17.51	
	For Tinted Glass, Add	21.02	
	For Low-E Insulated Glass, Add	43.78	
	For Obscure Glass, Add	48.16	
08 53 13 00-0448	EA 54" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	348.14	82.72
	For Colored Vinyl, Add	18.27	
	For Tinted Glass, Add	21.92	
	For Low-E Insulated Glass, Add	45.67	
	For Obscure Glass, Add	50.24	
08 53 13 00-0449	EA 60" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	362.33	86.06
	For Colored Vinyl, Add	19.02	
	For Tinted Glass, Add	22.83	
	For Low-E Insulated Glass, Add	47.56	
	For Obscure Glass, Add	52.31	
08 53 13 00-0450	EA 64" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	371.79	88.84
	For Colored Vinyl, Add	19.52	
	For Tinted Glass, Add	23.43	
	For Low-E Insulated Glass, Add	48.81	
	For Obscure Glass, Add	53.69	
08 53 13 00-0451	EA 72" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	390.72	92.72
	For Colored Vinyl, Add	20.53	
	For Tinted Glass, Add	24.63	
	For Low-E Insulated Glass, Add	51.32	
	For Obscure Glass, Add	56.45	
<b>08 53 13 00-0452</b>	<b>60" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)</b> <small>(08 53 13 00-0381)</small>		
08 53 13 00-0453	EA 36" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	329.23	76.62
	For Colored Vinyl, Add	17.71	
	For Tinted Glass, Add	21.25	
	For Low-E Insulated Glass, Add	44.28	
	For Obscure Glass, Add	48.71	
08 53 13 00-0454	EA 48" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	350.46	83.28
	For Colored Vinyl, Add	18.50	
	For Tinted Glass, Add	22.20	
	For Low-E Insulated Glass, Add	46.25	
	For Obscure Glass, Add	50.88	
08 53 13 00-0455	EA 54" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	365.05	86.06
	For Colored Vinyl, Add	19.29	
	For Tinted Glass, Add	23.15	
	For Low-E Insulated Glass, Add	48.24	
	For Obscure Glass, Add	53.06	
08 53 13 00-0456	EA 60" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	379.64	89.39
	For Colored Vinyl, Add	20.09	
	For Tinted Glass, Add	24.10	
	For Low-E Insulated Glass, Add	50.22	
	For Obscure Glass, Add	55.24	
08 53 13 00-0457	EA 64" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	389.38	92.17
	For Colored Vinyl, Add	20.62	
	For Tinted Glass, Add	24.74	
	For Low-E Insulated Glass, Add	51.54	
	For Obscure Glass, Add	56.69	
08 53 13 00-0458	EA 72" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	408.82	96.05
	For Colored Vinyl, Add	21.67	
	For Tinted Glass, Add	26.01	
	For Low-E Insulated Glass, Add	54.18	
	For Obscure Glass, Add	59.60	
<b>08 53 13 00-0459</b>	<b>Replacement, Horizontal Sliding Vinyl Windows (Silver Line 8700)</b> <small>(08 53 13 00-0390)</small>		
	Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen.		
	Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0460	EA		Up To 73" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700).....	320.32	58.29
			For Colored Vinyl, Add	20.37	
			For Tinted Glass, Add	24.45	
			For Low-E Insulated Glass, Add	50.93	
			For Obscure Glass, Add	56.02	
08 53 13 00-0461	EA		>73" To 83" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700) .....	351.85	63.85
			For Colored Vinyl, Add	22.42	
			For Tinted Glass, Add	26.90	
			For Low-E Insulated Glass, Add	56.04	
			For Obscure Glass, Add	61.64	
08 53 13 00-0462	EA		>83" To 93" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700) .....	381.59	69.40
			For Colored Vinyl, Add	24.28	
			For Tinted Glass, Add	29.13	
			For Low-E Insulated Glass, Add	60.70	
			For Obscure Glass, Add	66.77	
08 53 13 00-0463	EA		>93" To 101" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700) .....	404.50	74.95
			For Colored Vinyl, Add	25.46	
			For Tinted Glass, Add	30.55	
			For Low-E Insulated Glass, Add	63.65	
			For Obscure Glass, Add	70.01	
08 53 13 00-0464	EA		>101" To 110" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700) .....	428.37	80.51
			For Colored Vinyl, Add	26.74	
			For Tinted Glass, Add	32.08	
			For Low-E Insulated Glass, Add	66.84	
			For Obscure Glass, Add	73.53	
08 53 13 00-0465	EA		>110" To 120" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700) .....	463.79	86.06
			For Colored Vinyl, Add	29.17	
			For Tinted Glass, Add	35.00	
			For Low-E Insulated Glass, Add	72.92	
			For Obscure Glass, Add	80.21	
08 53 13 00-0466	UI		>120" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700) .....	3.87	0.72
			For Colored Vinyl, Add	0.24	
			For Tinted Glass, Add	0.29	
			For Low-E Insulated Glass, Add	0.61	
			For Obscure Glass, Add	0.67	
<b>08 53 13 00-0467</b>			<b>Basement Vinyl Windows (08 53 13)</b>		
<b>08 53 13 00-0468</b>			<b>New Construction, Basement Vinyl Windows (Silver Line 5900) (08 53 13 00-0467)</b>		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0469	EA		32" x 15", New Construction, Basement Vinyl Window (Silver Line 5900).....	196.87	44.42
			For Colored Vinyl, Add	10.80	
			For Tinted Glass, Add	12.96	
			For Low-E Insulated Glass, Add	27.01	
			For Obscure Glass, Add	29.71	
08 53 13 00-0470	EA		32" x 20", New Construction, Basement Vinyl Window (Silver Line 5900).....	209.47	44.42
			For Colored Vinyl, Add	12.06	
			For Tinted Glass, Add	14.48	
			For Low-E Insulated Glass, Add	30.16	
			For Obscure Glass, Add	33.17	
08 53 13 00-0471	EA		32" x 23", New Construction, Basement Vinyl Window (Silver Line 5900).....	216.67	44.42
			For Colored Vinyl, Add	12.78	
			For Tinted Glass, Add	15.34	
			For Low-E Insulated Glass, Add	31.96	
			For Obscure Glass, Add	35.15	
<b>08 53 13 00-0472</b>			<b>Replacement, Basement Vinyl Windows (08 53 13 00-0467)</b>		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0473	EA		Up To 47" UI, Replacement, Basement Vinyl Window.....	239.65	43.31
			For Colored Vinyl, Add	15.30	
			For Tinted Glass, Add	18.36	
			For Low-E Insulated Glass, Add	38.26	
			For Obscure Glass, Add	42.09	
08 53 13 00-0474	EA		>47" To 55" UI, Replacement, Basement Vinyl Window.....	268.28	49.97
			For Colored Vinyl, Add	16.83	
			For Tinted Glass, Add	20.20	
			For Low-E Insulated Glass, Add	42.09	
			For Obscure Glass, Add	46.29	
08 53 13 00-0475	UI		>55" UI, Replacement, Basement Vinyl Window .....	4.50	0.72
			For Colored Vinyl, Add	0.31	
			For Tinted Glass, Add	0.37	
			For Low-E Insulated Glass, Add	0.77	
			For Obscure Glass, Add	0.84	
<b>08 53 13 00-0476</b>			<b>Accessories For Vinyl Windows (08 53 13)</b>		
<b>08 53 13 00-0477</b>			<b>Factory Installed Grilles For Vinyl Windows (08 53 13 00-0476)</b>		
<b>08 53 13 00-0478</b>			<b>Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows (08 53 13 00-0477)</b>		
08 53 13 00-0479	EA		Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows.....	25.21	
08 53 13 00-0480	EA		>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows.....	32.41	
08 53 13 00-0481	EA		>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows.....	41.74	
08 53 13 00-0482	EA		>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows.....	49.27	
08 53 13 00-0483	EA		>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows.....	60.56	

**08 Openings****08 50 Windows****08 53 Plastic Windows**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

<b>08 53 13 00-0484</b>	<b>Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows</b> <small>(08 53 13 00-0477)</small>		
08 53 13 00-0485	EA Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows .....	57.29	
08 53 13 00-0486	EA >9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows .....	68.75	
08 53 13 00-0487	EA >18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows .....	86.75	
08 53 13 00-0488	EA >24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows .....	108.03	
08 53 13 00-0489	EA >36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows .....	129.31	

**08 53 66 Vinyl Window Screens** (08 53)

<b>08 53 66 00-0001</b>	<b>Insect Screens For Vinyl Windows</b> <small>(08 53 66)</small>		
08 53 66 00-0002	EA Up To 6 SF, Insect Screen For Vinyl Windows .....	32.24	7.93
08 53 66 00-0003	EA >6 To 9 SF, Insect Screen For Vinyl Windows .....	42.06	7.93
08 53 66 00-0004	EA >9 To 12 SF, Insect Screen For Vinyl Windows .....	45.33	7.93
08 53 66 00-0005	EA >12 To 15 SF, Insect Screen For Vinyl Windows .....	51.88	7.93
08 53 66 00-0006	EA >15 To 20 SF, Insect Screen For Vinyl Windows .....	66.61	7.93
08 53 66 00-0007	EA >20 To 25 SF, Insect Screen For Vinyl Windows .....	73.16	7.93
08 53 66 00-0008	EA >25 To 30 SF, Insect Screen For Vinyl Windows .....	82.98	7.93
08 53 66 00-0009	EA >30 To 35 SF, Insect Screen For Vinyl Windows .....	89.53	7.93
08 53 66 00-0010	SF >35 SF, Insect Screen For Vinyl Windows .....	2.69	0.16

**08 56 Special Function Windows** (08 50)**08 56 19 Pass Windows** (08 56)

<b>08 56 19 00-0001</b>	<b>Bullet Resistant Pass Through Service Window, Steel Frame</b> <small>(08 56 19)</small>		
Note: Secure air passage for voice transmission; Natural Voice Transmission (NVR)			
08 56 19 00-0002	EA 24" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame .....	4,286.74	610.04
For 1.375" Acrylic Level II Bullet Resistant Glazing, Add		45.00	
For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add		295.00	
08 56 19 00-0003	EA 30" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame .....	4,723.60	660.88
For 1.375" Acrylic Level II Bullet Resistant Glazing, Add		60.00	
For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add		370.00	
08 56 19 00-0004	EA 36" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame .....	4,967.01	711.72
For 1.375" Acrylic Level II Bullet Resistant Glazing, Add		70.00	
For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add		445.00	
08 56 19 00-0005	EA 48" x 40", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame .....	6,218.29	813.39
For 1.375" Acrylic Level II Bullet Resistant Glazing, Add		100.00	
For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add		650.00	
08 56 19 00-0006	EA 72" x 40", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame .....	8,385.00	1,220.09
For 1.375" Acrylic Level II Bullet Resistant Glazing, Add		150.00	
For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add		975.00	

**08 56 49 Radiation Shielding Windows** (08 56)

<b>08 56 49 00-0001</b>	<b>Lead Lined Window Frames</b> <small>(08 56 49)</small>		
08 56 49 00-0002	LF 1/16" Lead Lined, 16 Gauge Telescoping Window Frame .....	43.78	8.33
08 56 49 00-0003	LF 1/8" Lead Lined, 16 Gauge Telescoping Window Frame .....	49.21	8.33

**08 56 56 Security Window Screens** (08 56)

Note: Includes frame and mounting hardware. Operable security screens include hinges and related hardware.

<b>08 56 56 00-0001</b>	<b>Wire Mesh Security Screen</b> <small>(08 56 56)</small>		
<b>08 56 56 00-0002</b>	<b>Wire Mesh, Inoperable, Security Window Screen</b> <small>(08 56 56 00-0001)</small>		
08 56 56 00-0003	SF 13 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen .....	21.82	4.58
For Painted Steel, Add		1.57	
For Galvanized Steel, Add		3.14	
For Aluminum, Add		6.29	
For Stainless Steel, Add		27.51	
08 56 56 00-0004	SF 11 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen .....	22.27	4.58
For Painted Steel, Add		1.62	
For Galvanized Steel, Add		3.23	
For Aluminum, Add		6.47	
For Stainless Steel, Add		28.30	
08 56 56 00-0005	SF 9 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen .....	24.34	4.58
For Painted Steel, Add		1.82	
For Galvanized Steel, Add		3.65	
For Aluminum, Add		7.30	
For Stainless Steel, Add		31.92	
08 56 56 00-0006	SF 6 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen .....	28.77	4.58
For Painted Steel, Add		2.27	
For Galvanized Steel, Add		4.53	
For Aluminum, Add		9.07	
For Stainless Steel, Add		39.67	

<b>08 56 56 00-0007</b>	<b>Wire Mesh, Operable, Security Window Screen</b> <small>(08 56 56 00-0001)</small>		
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 56 56 00-0008	SF	13 Gauge, Wire Mesh, Operable, Steel Security Window Screen .....	30.52	5.59
		For Painted Steel, Add	2.24	
		For Galvanized Steel, Add	4.48	
		For Aluminum, Add	8.96	
		For Stainless Steel, Add	39.18	
08 56 56 00-0009	SF	11 Gauge, Wire Mesh, Operable, Steel Security Window Screen .....	31.20	5.59
		For Painted Steel, Add	2.31	
		For Galvanized Steel, Add	4.61	
		For Aluminum, Add	9.23	
		For Stainless Steel, Add	40.37	
08 56 56 00-0010	SF	9 Gauge, Wire Mesh, Operable, Steel Security Window Screen .....	34.17	5.59
		For Painted Steel, Add	2.60	
		For Galvanized Steel, Add	5.21	
		For Aluminum, Add	10.42	
		For Stainless Steel, Add	45.57	
08 56 56 00-0011	SF	6 Gauge, Wire Mesh, Operable, Steel Security Window Screen .....	40.39	5.59
		For Painted Steel, Add	3.23	
		For Galvanized Steel, Add	6.45	
		For Aluminum, Add	12.90	
		For Stainless Steel, Add	56.46	
08 56 56 00-0012		<b>Wire Cloth Security Screen</b> <small>(08 56 56)</small>		
		Note: Wire cloth has from 10 to 12 strands per 1".		
08 56 56 00-0013		<b>Wire Cloth, Inoperable, Security Window Screens</b> <small>(08 56 56 00-0012)</small>		
08 56 56 00-0014	SF	24 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen .....	14.45	3.05
		For Painted Steel, Add	0.47	
		For Galvanized Steel, Add	1.41	
		For Aluminum, Add	2.81	
		For Stainless Steel, Add	11.71	
08 56 56 00-0015	SF	22 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen .....	15.08	3.05
		For Painted Steel, Add	0.50	
		For Galvanized Steel, Add	1.50	
		For Aluminum, Add	3.00	
		For Stainless Steel, Add	12.50	
08 56 56 00-0016	SF	20 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen .....	16.07	3.05
		For Painted Steel, Add	0.55	
		For Galvanized Steel, Add	1.65	
		For Aluminum, Add	3.30	
		For Stainless Steel, Add	13.74	
08 56 56 00-0017	SF	18 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen .....	17.97	3.05
		For Painted Steel, Add	0.64	
		For Galvanized Steel, Add	1.93	
		For Aluminum, Add	3.87	
		For Stainless Steel, Add	16.11	
08 56 56 00-0018		<b>Wire Cloth, Operable, Security Window Screens</b> <small>(08 56 56 00-0012)</small>		
08 56 56 00-0019	SF	24 Gauge, Wire Cloth, Operable, Steel Security Window Screen.....	19.46	4.06
		For Painted Steel, Add	0.67	
		For Galvanized Steel, Add	2.00	
		For Aluminum, Add	4.01	
		For Stainless Steel, Add	16.70	
08 56 56 00-0020	SF	22 Gauge, Wire Cloth, Operable, Steel Security Window Screen.....	20.43	4.06
		For Painted Steel, Add	0.72	
		For Galvanized Steel, Add	2.15	
		For Aluminum, Add	4.30	
		For Stainless Steel, Add	17.91	
08 56 56 00-0021	SF	20 Gauge, Wire Cloth, Operable, Steel Security Window Screen.....	21.78	4.06
		For Painted Steel, Add	0.78	
		For Galvanized Steel, Add	2.35	
		For Aluminum, Add	4.70	
		For Stainless Steel, Add	19.60	
08 56 56 00-0022	SF	18 Gauge, Wire Cloth, Operable, Steel Security Window Screen.....	24.48	4.06
		For Painted Steel, Add	0.92	
		For Galvanized Steel, Add	2.76	
		For Aluminum, Add	5.51	
		For Stainless Steel, Add	22.98	
08 56 56 00-0023		<b>Expanded Metal Security Screen</b> <small>(08 56 56)</small>		
		Note: Flattened or standard pattern. Dimension given is the short distance across the opening (SWO). The # designation is the pattern number of the expanded metal and is not the gauge.		
08 56 56 00-0024		<b>Expanded Metal, Inoperable, Security Screen</b> <small>(08 56 56 00-0023)</small>		
08 56 56 00-0025	SF	1/4" #18, Thickness 0.04" Expanded Metal, Inoperable, Steel Security Window Screen .....	27.44	7.63
		For Painted Steel, Add	0.91	
		For Galvanized Steel, Add	2.74	
		For Aluminum, Add	5.49	
		For Stainless Steel, Add	22.86	
08 56 56 00-0026	SF	1/2" #13, Thickness 0.07" Expanded Metal, Inoperable, Steel Security Window Screen .....	32.10	9.15
		For Painted Steel, Add	1.05	
		For Galvanized Steel, Add	3.14	
		For Aluminum, Add	6.27	
		For Stainless Steel, Add	26.14	

**08 Openings****08 50 Windows****08 56 Special Function Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 56 56 00-0027	SF		3/4" #13, Thickness 0.07" Expanded Metal, Inoperable, Steel Security Window Screen.....	36.01	11.19
			<i>For Painted Steel, Add</i>	1.14	
			<i>For Galvanized Steel, Add</i>	3.42	
			<i>For Aluminum, Add</i>	6.84	
			<i>For Stainless Steel, Add</i>	28.50	
08 56 56 00-0028	SF		3/4" #9, Thickness 0.12" Expanded Metal, Inoperable, Steel Security Window Screen.....	42.31	13.21
			<i>For Painted Steel, Add</i>	1.30	
			<i>For Galvanized Steel, Add</i>	3.91	
			<i>For Aluminum, Add</i>	7.81	
			<i>For Stainless Steel, Add</i>	32.55	
08 56 56 00-0029	SF		1-1/2" #9, Thickness 0.11" Expanded Metal, Inoperable, Steel Security Window Screen .....	39.40	12.71
			<i>For Painted Steel, Add</i>	1.21	
			<i>For Galvanized Steel, Add</i>	3.62	
			<i>For Aluminum, Add</i>	7.25	
			<i>For Stainless Steel, Add</i>	30.19	
08 56 56 00-0030	SF		3 LB/SF Expanded Metal, Inoperable, Steel Security Window Screen .....	49.69	16.27
			<i>For Painted Steel, Add</i>	1.52	
			<i>For Galvanized Steel, Add</i>	4.56	
			<i>For Aluminum, Add</i>	9.11	
			<i>For Stainless Steel, Add</i>	37.96	
<b>08 56 56 00-0031</b>			<b>Expanded Metal, Operable, Security Screen</b> <small>(08 56 56 00-0023)</small>		
08 56 56 00-0032	SF		1/4" #18, Thickness 0.04" Expanded Metal, Operable, Steel Security Window Screen.....	29.42	9.15
			<i>For Painted Steel, Add</i>	0.91	
			<i>For Galvanized Steel, Add</i>	2.73	
			<i>For Aluminum, Add</i>	5.47	
			<i>For Stainless Steel, Add</i>	22.79	
08 56 56 00-0033	SF		1/2" #13, Thickness 0.07" Expanded Metal, Operable, Steel Security Window Screen.....	43.04	11.19
			<i>For Painted Steel, Add</i>	1.49	
			<i>For Galvanized Steel, Add</i>	4.47	
			<i>For Aluminum, Add</i>	8.95	
			<i>For Stainless Steel, Add</i>	37.29	
08 56 56 00-0034	SF		3/4" #13, Thickness 0.07" Expanded Metal, Operable, Steel Security Window Screen.....	47.78	12.71
			<i>For Painted Steel, Add</i>	1.63	
			<i>For Galvanized Steel, Add</i>	4.88	
			<i>For Aluminum, Add</i>	9.76	
			<i>For Stainless Steel, Add</i>	40.66	
08 56 56 00-0035	SF		1-1/2" #9, Thickness 0.11" Expanded Metal, Operable, Steel Security Window Screen.....	51.72	14.23
			<i>For Painted Steel, Add</i>	1.72	
			<i>For Galvanized Steel, Add</i>	5.16	
			<i>For Aluminum, Add</i>	10.33	
			<i>For Stainless Steel, Add</i>	43.04	
08 56 56 00-0036	SF		3/4" #9, Thickness 0.12" Expanded Metal, Operable, Steel Security Window Screen.....	56.43	16.27
			<i>For Painted Steel, Add</i>	1.86	
			<i>For Galvanized Steel, Add</i>	5.57	
			<i>For Aluminum, Add</i>	11.13	
			<i>For Stainless Steel, Add</i>	46.39	
08 56 56 00-0037	SF		3 LB/SF Expanded Metal, Operable, Steel Security Window Screen .....	64.61	17.79
			<i>For Painted Steel, Add</i>	2.16	
			<i>For Galvanized Steel, Add</i>	6.49	
			<i>For Aluminum, Add</i>	12.98	
			<i>For Stainless Steel, Add</i>	54.08	
<b>08 56 56 00-0038</b>			<b>Perforated Metal Security Screen</b> <small>(08 56 56)</small>		
<b>08 56 56 00-0039</b>			<b>Perforated Metal, Inoperable, Steel Security Window Screen</b> <small>(08 56 56 00-0038)</small>		
08 56 56 00-0040	SF		22 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen .....	24.30	4.58
			<i>For Painted Steel, Add</i>	0.91	
			<i>For Galvanized Steel, Add</i>	2.73	
			<i>For Aluminum, Add</i>	5.46	
			<i>For Stainless Steel, Add</i>	18.20	
08 56 56 00-0041	SF		20 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen .....	25.03	4.58
			<i>For Painted Steel, Add</i>	0.95	
			<i>For Galvanized Steel, Add</i>	2.84	
			<i>For Aluminum, Add</i>	5.68	
			<i>For Stainless Steel, Add</i>	18.93	
08 56 56 00-0042	SF		18 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen .....	27.46	4.58
			<i>For Painted Steel, Add</i>	1.07	
			<i>For Galvanized Steel, Add</i>	3.20	
			<i>For Aluminum, Add</i>	6.41	
			<i>For Stainless Steel, Add</i>	21.36	
08 56 56 00-0043	SF		16 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen .....	32.05	4.58
			<i>For Painted Steel, Add</i>	1.30	
			<i>For Galvanized Steel, Add</i>	3.89	
			<i>For Aluminum, Add</i>	7.79	
			<i>For Stainless Steel, Add</i>	25.95	
<b>08 56 56 00-0044</b>			<b>Perforated Metal, Operable, Steel Security Window Screen</b> <small>(08 56 56 00-0038)</small>		
08 56 56 00-0045	SF		22 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen.....	33.99	5.59
			<i>For Painted Steel, Add</i>	1.29	
			<i>For Galvanized Steel, Add</i>	3.88	
			<i>For Aluminum, Add</i>	7.76	
			<i>For Stainless Steel, Add</i>	25.86	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 56 56 00-0046	SF		20 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen ..... <i>For Painted Steel, Add</i> <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i> <i>For Stainless Steel, Add</i>	35.26 1.36 4.07 8.14 27.13	5.59
08 56 56 00-0047	SF		18 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen ..... <i>For Painted Steel, Add</i> <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i> <i>For Stainless Steel, Add</i>	38.41 1.51 4.54 9.08 30.28	5.59
08 56 56 00-0048	SF		16 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen ..... <i>For Painted Steel, Add</i> <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i> <i>For Stainless Steel, Add</i>	44.99 1.84 5.53 11.06 36.86	5.59
08 56 56 00-0049			<b>Removal And Reinstallation Of Security Screens And Guards</b> (08 56 56) Note: Includes storage, cleaning and supply materials.		
08 56 56 00-0050	SF		Removal And Reinstallation Of Security Screens .....	12.78	

**08 60 Roof Windows and Skylights** (08)  
 Note: Includes hardware, caulk, sealant and necessary anchors.

**08 62 Unit Skylights** (08 60)

**08 62 23 Tubular Skylights** (08 62)

**08 62 23 00-0001 Aluminum Framed Solar Tube Skylights** (08 62 23)  
 Note: Includes knock down curb with safety security guard, class 1 hail rated double glazed skylight, light shaft top trim, reflective light well, T-bar ceiling frame, acrylic diffuser lens and lens clip.

**08 62 23 00-0002 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights** (08 62 23 00-0001)

08 62 23 00-0003	EA	2'	Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight..... <i>For Class 3 Hail Rated, Add</i> <i>For Polycarbonate Diffuser Lens, Add</i> <i>For High Velocity Hurricane Zone Rated, Add</i> <i>For FM Approved, Add</i> <i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i> <i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i> <i>For Single Blade Louver, Add</i>	1,127.89 4.00 7.00 14.00 20.00 49.00 69.00 835.82	190.20
08 62 23 00-0004	EA	3'	Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight..... <i>For Class 3 Hail Rated, Add</i> <i>For Polycarbonate Diffuser Lens, Add</i> <i>For High Velocity Hurricane Zone Rated, Add</i> <i>For FM Approved, Add</i> <i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i> <i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i> <i>For Single Blade Louver, Add</i>	1,189.44 4.00 7.00 14.00 20.00 49.00 69.00 836.77	194.96
08 62 23 00-0005	EA	4'	Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight..... <i>For Class 3 Hail Rated, Add</i> <i>For Polycarbonate Diffuser Lens, Add</i> <i>For High Velocity Hurricane Zone Rated, Add</i> <i>For FM Approved, Add</i> <i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i> <i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i> <i>For Single Blade Louver, Add</i>	1,249.25 4.00 7.00 14.00 20.00 49.00 69.00 837.72	199.71
08 62 23 00-0006	EA	5'	Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight..... <i>For Class 3 Hail Rated, Add</i> <i>For Polycarbonate Diffuser Lens, Add</i> <i>For High Velocity Hurricane Zone Rated, Add</i> <i>For FM Approved, Add</i> <i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i> <i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i> <i>For Single Blade Louver, Add</i>	1,333.32 4.00 7.00 14.00 20.00 49.00 69.00 838.67	204.47
08 62 23 00-0007	EA	6'	Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight..... <i>For Class 3 Hail Rated, Add</i> <i>For Polycarbonate Diffuser Lens, Add</i> <i>For High Velocity Hurricane Zone Rated, Add</i> <i>For FM Approved, Add</i> <i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i> <i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i> <i>For Single Blade Louver, Add</i>	1,407.01 4.00 7.00 14.00 20.00 49.00 69.00 839.63	209.23
08 62 23 00-0008	EA	7'	Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight..... <i>For Class 3 Hail Rated, Add</i> <i>For Polycarbonate Diffuser Lens, Add</i> <i>For High Velocity Hurricane Zone Rated, Add</i> <i>For FM Approved, Add</i> <i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i> <i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i> <i>For Single Blade Louver, Add</i>	1,466.82 4.00 7.00 14.00 20.00 49.00 69.00 840.58	213.98

**08 Openings****08 60 Roof Windows and Skylights****08 62 Unit Skylights**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

08 62 23 00-0009	EA	8' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,526.62	218.74
		<i>For Class 3 Hail Rated, Add</i>	4.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
		<i>For FM Approved, Add</i>	20.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
		<i>For Single Blade Louver, Add</i>	841.53	
08 62 23 00-0010	EA	9' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,624.57	223.50
		<i>For Class 3 Hail Rated, Add</i>	4.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
		<i>For FM Approved, Add</i>	20.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
		<i>For Single Blade Louver, Add</i>	842.48	
08 62 23 00-0011	EA	10' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,684.38	228.25
		<i>For Class 3 Hail Rated, Add</i>	4.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
		<i>For FM Approved, Add</i>	20.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
		<i>For Single Blade Louver, Add</i>	843.43	
08 62 23 00-0012	EA	11' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,745.92	233.00
		<i>For Class 3 Hail Rated, Add</i>	4.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
		<i>For FM Approved, Add</i>	20.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
		<i>For Single Blade Louver, Add</i>	844.38	
08 62 23 00-0013	EA	12' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,805.73	237.76
		<i>For Class 3 Hail Rated, Add</i>	4.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
		<i>For FM Approved, Add</i>	20.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
		<i>For Single Blade Louver, Add</i>	845.33	
08 62 23 00-0014	EA	13' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,903.68	242.51
		<i>For Class 3 Hail Rated, Add</i>	4.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
		<i>For FM Approved, Add</i>	20.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
		<i>For Single Blade Louver, Add</i>	846.28	
08 62 23 00-0015	EA	14' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,963.49	247.27
		<i>For Class 3 Hail Rated, Add</i>	4.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
		<i>For FM Approved, Add</i>	20.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
		<i>For Single Blade Louver, Add</i>	847.23	
08 62 23 00-0016	EA	15' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,023.30	252.02
		<i>For Class 3 Hail Rated, Add</i>	4.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
		<i>For FM Approved, Add</i>	20.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
		<i>For Single Blade Louver, Add</i>	848.19	
08 62 23 00-0017	EA	16' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,083.10	256.78
		<i>For Class 3 Hail Rated, Add</i>	4.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
		<i>For FM Approved, Add</i>	20.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
		<i>For Single Blade Louver, Add</i>	849.14	

08 62 23 00-0018 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights (08 62 23 00-0001)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0019	EA		2' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,362.02	190.20
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	835.82	
08 62 23 00-0020	EA		3' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,446.12	194.96
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	836.77	
08 62 23 00-0021	EA		4' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,530.20	199.71
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	837.72	
08 62 23 00-0022	EA		5' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,614.28	204.47
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	838.67	
08 62 23 00-0023	EA		6' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,750.40	209.23
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	839.63	
08 62 23 00-0024	EA		7' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,834.49	213.98
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	840.58	
08 62 23 00-0025	EA		8' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,918.57	218.74
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	841.53	
08 62 23 00-0026	EA		9' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,054.68	223.50
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	842.48	
08 62 23 00-0027	EA		10' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,138.77	228.25
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	843.43	
08 62 23 00-0028	EA		11' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,222.86	233.00
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	844.38	

**08 Openings****08 60 Roof Windows and Skylights****08 62 Unit Skylights**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

08 62 23 00-0029	EA	12' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,306.94	237.76
		<i>For Class 3 Hail Rated, Add</i>	5.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
		<i>For FM Approved, Add</i>	22.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
		<i>For Single Blade Louver, Add</i>	845.33	
08 62 23 00-0030	EA	13' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,443.04	242.51
		<i>For Class 3 Hail Rated, Add</i>	5.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
		<i>For FM Approved, Add</i>	22.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
		<i>For Single Blade Louver, Add</i>	846.28	
08 62 23 00-0031	EA	14' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,527.14	247.27
		<i>For Class 3 Hail Rated, Add</i>	5.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
		<i>For FM Approved, Add</i>	22.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
		<i>For Single Blade Louver, Add</i>	847.23	
08 62 23 00-0032	EA	15' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,611.22	252.02
		<i>For Class 3 Hail Rated, Add</i>	5.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
		<i>For FM Approved, Add</i>	22.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
		<i>For Single Blade Louver, Add</i>	848.19	
08 62 23 00-0033	EA	16' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,695.31	256.78
		<i>For Class 3 Hail Rated, Add</i>	5.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
		<i>For FM Approved, Add</i>	22.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
		<i>For Single Blade Louver, Add</i>	849.14	
08 62 23 00-0034		<b>55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights</b> <small>(08 62 23 00-0001)</small>		
08 62 23 00-0035	EA	2' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,813.68	213.98
		<i>For Class 3 Hail Rated, Add</i>	10.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
		<i>For FM Approved, Add</i>	36.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
		<i>For Single Blade Louver, Add</i>	840.58	
08 62 23 00-0036	EA	3' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,930.71	218.74
		<i>For Class 3 Hail Rated, Add</i>	10.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
		<i>For FM Approved, Add</i>	36.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
		<i>For Single Blade Louver, Add</i>	841.53	
08 62 23 00-0037	EA	4' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,049.47	223.50
		<i>For Class 3 Hail Rated, Add</i>	10.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
		<i>For FM Approved, Add</i>	36.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
		<i>For Single Blade Louver, Add</i>	842.48	
08 62 23 00-0038	EA	5' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,166.52	228.25
		<i>For Class 3 Hail Rated, Add</i>	10.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
		<i>For FM Approved, Add</i>	36.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
		<i>For Single Blade Louver, Add</i>	843.43	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0039 EA 6' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,352.93	233.00
<i>For Class 3 Hail Rated, Add</i>	10.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
<i>For FM Approved, Add</i>	36.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
<i>For Single Blade Louver, Add</i>	844.38	
08 62 23 00-0040 EA 7' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,469.96	237.76
<i>For Class 3 Hail Rated, Add</i>	10.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
<i>For FM Approved, Add</i>	36.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
<i>For Single Blade Louver, Add</i>	845.33	
08 62 23 00-0041 EA 8' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,586.99	242.51
<i>For Class 3 Hail Rated, Add</i>	10.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
<i>For FM Approved, Add</i>	36.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
<i>For Single Blade Louver, Add</i>	846.28	
08 62 23 00-0042 EA 9' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,775.14	247.27
<i>For Class 3 Hail Rated, Add</i>	10.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
<i>For FM Approved, Add</i>	36.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
<i>For Single Blade Louver, Add</i>	847.23	
08 62 23 00-0043 EA 10' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,892.18	252.02
<i>For Class 3 Hail Rated, Add</i>	10.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
<i>For FM Approved, Add</i>	36.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
<i>For Single Blade Louver, Add</i>	848.19	
08 62 23 00-0044 EA 11' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,009.22	256.78
<i>For Class 3 Hail Rated, Add</i>	10.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
<i>For FM Approved, Add</i>	36.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
<i>For Single Blade Louver, Add</i>	849.14	
08 62 23 00-0045 EA 12' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,126.25	261.54
<i>For Class 3 Hail Rated, Add</i>	10.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
<i>For FM Approved, Add</i>	36.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
<i>For Single Blade Louver, Add</i>	850.09	
08 62 23 00-0046 EA 13' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,312.66	266.29
<i>For Class 3 Hail Rated, Add</i>	10.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
<i>For FM Approved, Add</i>	36.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
<i>For Single Blade Louver, Add</i>	851.04	
08 62 23 00-0047 EA 14' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,429.70	271.05
<i>For Class 3 Hail Rated, Add</i>	10.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
<i>For FM Approved, Add</i>	36.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
<i>For Single Blade Louver, Add</i>	851.99	
08 62 23 00-0048 EA 15' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,548.47	275.80
<i>For Class 3 Hail Rated, Add</i>	10.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
<i>For FM Approved, Add</i>	36.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
<i>For Single Blade Louver, Add</i>	852.94	

**08 Openings****08 60 Roof Windows and Skylights****08 62 Unit Skylights**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 62 23 00-0049	EA	16' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,665.51	280.55
		<i>For Class 3 Hail Rated, Add</i>	10.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
		<i>For FM Approved, Add</i>	36.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
		<i>For Single Blade Louver, Add</i>	853.89	

**08 63 Metal-Framed Skylights** (08 60)**08 63 13 Domed Metal-Framed Skylights** (08 63)

08 63 13 00-0001 Domed Aluminum Framed Skylights (08 63 13)

08 63 13 00-0002 Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0001)

08 63 13 00-0003 Industrial Style Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0002)

08 63 13 00-0004 Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0003)

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.

08 63 13 00-0005	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	399.80	95.11
08 63 13 00-0006	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	459.45	95.11
08 63 13 00-0007	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	624.67	106.99
08 63 13 00-0008	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	706.39	118.88
08 63 13 00-0009	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	490.12	95.11
08 63 13 00-0010	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	602.51	106.99
08 63 13 00-0011	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	640.00	106.99
08 63 13 00-0012	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	737.06	118.88
08 63 13 00-0013	EA	39-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	859.68	130.77
08 63 13 00-0014	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	609.33	106.99
08 63 13 00-0015	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	674.01	118.88
08 63 13 00-0016	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	745.58	118.88
08 63 13 00-0017	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	820.48	130.77
08 63 13 00-0018	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	909.01	142.66
08 63 13 00-0019	EA	52-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,023.11	154.54
08 63 13 00-0020	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	725.13	118.88
08 63 13 00-0021	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	798.33	130.77
08 63 13 00-0022	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	910.71	142.66
08 63 13 00-0023	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	955.02	142.66
08 63 13 00-0024	EA	63-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,103.20	154.54

08 63 13 00-0025 Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0003)

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.

08 63 13 00-0026	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	485.01	95.11
08 63 13 00-0027	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	542.95	95.11
08 63 13 00-0028	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	691.13	106.99
08 63 13 00-0029	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	774.55	118.88
08 63 13 00-0030	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	551.47	95.11
08 63 13 00-0031	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	650.23	106.99
08 63 13 00-0032	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	691.13	106.99
08 63 13 00-0033	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	795.00	118.88
08 63 13 00-0034	EA	39-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	893.76	130.77

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 63 13 00-0035	EA		51-1/4" x 51-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	657.05	106.99
08 63 13 00-0036	EA		51-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	728.54	118.88
08 63 13 00-0037	EA		51-1/4" x 75-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	774.55	118.88
08 63 13 00-0038	EA		51-1/4" x 87-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	852.86	130.77
08 63 13 00-0039	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	926.05	142.66
08 63 13 00-0040	EA		52-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,041.85	154.54
08 63 13 00-0041	EA		63-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	781.37	118.88
08 63 13 00-0042	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	859.68	130.77
08 63 13 00-0043	EA		63-1/4" x 87-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	946.50	142.66
08 63 13 00-0044	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	994.22	142.66
08 63 13 00-0045	EA		63-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,128.76	154.54

**08 63 13 00-0046 High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights** (08 63 13 00-0003)

08 63 13 00-0003

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.

08 63 13 00-0047	EA		27-1/4" x 27-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	491.83	95.11
08 63 13 00-0048	EA		27-1/4" x 51-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	556.58	95.11
08 63 13 00-0049	EA		27-1/4" x 99-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	709.87	106.99
08 63 13 00-0050	EA		39-1/4" x 39-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	568.51	95.11
08 63 13 00-0051	EA		39-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	674.09	106.99
08 63 13 00-0052	EA		39-1/4" x 75-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	709.87	106.99
08 63 13 00-0053	EA		39-1/4" x 99-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	815.45	118.88
08 63 13 00-0054	EA		51-1/4" x 51-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	672.38	106.99
08 63 13 00-0055	EA		51-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	742.17	118.88
08 63 13 00-0056	EA		51-1/4" x 75-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	796.70	118.88
08 63 13 00-0057	EA		51-1/4" x 87-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	875.02	130.77
08 63 13 00-0058	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	953.32	142.66
08 63 13 00-0059	EA		63-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	801.82	118.88
08 63 13 00-0060	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	886.94	130.77
08 63 13 00-0061	EA		63-1/4" x 87-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	973.77	142.66
08 63 13 00-0062	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,021.48	142.66

**08 63 13 00-0063 FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights** (08 63 13 00-0003)

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.

08 63 13 00-0064	EA		27-1/4" x 27-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	503.75	95.11
08 63 13 00-0065	EA		27-1/4" x 51-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	575.33	95.11
08 63 13 00-0066	EA		27-1/4" x 99-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	726.91	106.99
08 63 13 00-0067	EA		27-1/4" x 123-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	835.90	118.88
08 63 13 00-0068	EA		39-1/4" x 39-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	585.55	95.11
08 63 13 00-0069	EA		39-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	689.42	106.99
08 63 13 00-0070	EA		39-1/4" x 75-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	726.91	106.99
08 63 13 00-0071	EA		39-1/4" x 99-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	841.01	118.88
08 63 13 00-0072	EA		51-1/4" x 51-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	691.13	106.99
08 63 13 00-0073	EA		51-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	760.92	118.88

**08 Openings****08 60 Roof Windows and Skylights****08 63 Metal-Framed Skylights**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 63 13 00-0074	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	820.56	118.88
08 63 13 00-0075	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	900.58	130.77
08 63 13 00-0076	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	980.58	142.66
08 63 13 00-0077	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	827.38	118.88
08 63 13 00-0078	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	912.51	130.77
08 63 13 00-0079	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,001.03	142.66
08 63 13 00-0080	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,052.15	142.66
<b>08 63 13 00-0081</b>		<b>Curb Top Inserts</b> <small>(08 63 13 00-0003)</small> Note: For use with industrial style fixed dome skylights for better u-value and solar heat gain coefficient/shading coefficient (SHGC/SC) properties. Includes mill finish aluminum frame and acrylic or polycarbonate glazing. Excludes roof curb.		
<b>08 63 13 00-0082</b>		<b>Single Glazed, Aluminum Framed Curb Top Inserts</b> <small>(08 63 13 00-0081)</small>		
08 63 13 00-0083	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert.....	157.54	47.55
08 63 13 00-0084	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert.....	219.72	53.49
08 63 13 00-0085	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert.....	371.59	71.32
08 63 13 00-0086	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert.....	344.09	65.38
08 63 13 00-0087	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert.....	420.15	71.32
<b>08 63 13 00-0088</b>		<b>Double Glazed, Aluminum Framed Curb Top Inserts</b> <small>(08 63 13 00-0081)</small>		
08 63 13 00-0089	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	228.65	47.55
08 63 13 00-0090	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	356.73	53.49
08 63 13 00-0091	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	619.59	71.32
08 63 13 00-0092	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	607.70	65.38
08 63 13 00-0093	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	763.54	71.32
<b>08 63 13 00-0094</b>		<b>Triple Glazed, Aluminum Framed Curb Top Inserts</b> <small>(08 63 13 00-0081)</small>		
08 63 13 00-0095	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert.....	298.02	47.55
08 63 13 00-0096	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert.....	486.80	53.49
08 63 13 00-0097	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert.....	924.83	71.32
08 63 13 00-0098	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert.....	853.97	65.38
08 63 13 00-0099	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert.....	1,082.65	71.32
<b>08 63 13 00-0100</b>		<b>Pyramid Style Fixed Dome, Aluminum Framed Skylights</b> <small>(08 63 13 00-0002)</small>		
<b>08 63 13 00-0101</b>		<b>Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight</b> <small>(08 63 13 00-0100)</small> Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 13 00-0102	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	369.13	95.11
08 63 13 00-0103	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	442.41	95.11
08 63 13 00-0104	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	561.62	106.99
08 63 13 00-0105	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	706.39	118.88
<b>08 63 13 00-0106</b>		<b>Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight</b> <small>(08 63 13 00-0100)</small> Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 13 00-0107	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	502.05	95.11
08 63 13 00-0108	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	578.73	95.11
08 63 13 00-0109	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	686.02	106.99
08 63 13 00-0110	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	820.56	118.88
<b>08 63 13 00-0111</b>		<b>Double Hip Style Fixed Dome, Aluminum Framed Skylights</b> <small>(08 63 13 00-0002)</small>		
<b>08 63 13 00-0112</b>		<b>Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight</b> <small>(08 63 13 00-0111)</small> Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 13 00-0113	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	432.18	95.11
08 63 13 00-0114	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	573.55	106.99
08 63 13 00-0115	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	679.12	118.88

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 63 13 00-0116	EA		39-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	537.76	106.99
08 63 13 00-0117	EA		39-1/4" x 75-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	573.55	106.99
08 63 13 00-0118	EA		39-1/4" x 99-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	699.57	118.88
08 63 13 00-0119	EA		39-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	823.89	130.77
08 63 13 00-0120	EA		51-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	628.00	118.88
08 63 13 00-0121	EA		51-1/4" x 75-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	679.12	118.88
08 63 13 00-0122	EA		51-1/4" x 87-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	759.14	130.77
08 63 13 00-0123	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	834.03	142.66
08 63 13 00-0124	EA		52-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	985.62	154.54
08 63 13 00-0125	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	779.59	130.77
08 63 13 00-0126	EA		63-1/4" x 87-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	885.15	142.66
08 63 13 00-0127	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	937.98	142.66
08 63 13 00-0128	EA		63-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	1,084.46	154.54

**08 63 13 00-0129 Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight** (08 63 13 00-0111)

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.

08 63 13 00-0130	EA		27-1/4" x 27-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	490.12	95.11
08 63 13 00-0131	EA		27-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	551.47	95.11
08 63 13 00-0132	EA		27-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	699.65	106.99
08 63 13 00-0133	EA		39-1/4" x 39-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	563.40	95.11
08 63 13 00-0134	EA		39-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	631.48	106.99
08 63 13 00-0135	EA		39-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	663.86	106.99
08 63 13 00-0136	EA		39-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	699.65	106.99
08 63 13 00-0137	EA		39-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	806.93	118.88
08 63 13 00-0138	EA		51-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	665.57	106.99
08 63 13 00-0139	EA		51-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	735.36	118.88
08 63 13 00-0140	EA		51-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	786.48	118.88
08 63 13 00-0141	EA		51-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	863.09	130.77
08 63 13 00-0142	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	939.68	142.66
08 63 13 00-0143	EA		63-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	789.89	118.88
08 63 13 00-0144	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	875.02	130.77
08 63 13 00-0145	EA		63-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	960.13	142.66
08 63 13 00-0146	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,006.14	142.66

**08 63 13 00-0147 Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight** (08 63 13 00-0111)

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.

08 63 13 00-0148	EA		27-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	546.36	95.11
08 63 13 00-0149	EA		27-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	721.80	106.99
08 63 13 00-0150	EA		39-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	682.61	106.99
08 63 13 00-0151	EA		39-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	721.80	106.99
08 63 13 00-0152	EA		39-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	834.20	118.88
08 63 13 00-0153	EA		51-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	755.81	118.88
08 63 13 00-0154	EA		51-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	812.04	118.88
08 63 13 00-0155	EA		51-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	893.76	130.77

**08 Openings****08 60 Roof Windows and Skylights****08 63 Metal-Framed Skylights**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0156	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	966.95	142.66
08 63 13 00-0157	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	905.69	130.77
08 63 13 00-0158	EA		63-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	994.22	142.66
08 63 13 00-0159	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	1,043.63	142.66
08 63 13 00-0160			<b>Smoke Vent Dome, Aluminum Framed Skylights</b> (08 63 13 00-0001)		
08 63 13 00-0161			<b>Industrial Style Smoke Vent Dome, Aluminum Framed Skylights</b> (08 63 13 00-0160) Note: UL listed or FM approved. Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, curb seal tape, weather sweep, fasteners, fusible link with a minimum temperature rating of 165 degrees, gas shocks and exterior manual release cable for testing.		
08 63 13 00-0162			<b>Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights</b> (08 63 13 00-0161)		
08 63 13 00-0163			<b>10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights</b> (08 63 13 00-0162)		
08 63 13 00-0164	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, 10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight .....	2,275.70	142.66
08 63 13 00-0165	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight .....	2,120.63	142.66
08 63 13 00-0166	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight .....	2,389.87	142.66
08 63 13 00-0167			<b>25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights</b> (08 63 13 00-0162)		
08 63 13 00-0168	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, 25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight .....	2,955.63	142.66
08 63 13 00-0169	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight .....	2,807.38	142.66
08 63 13 00-0170	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight .....	3,110.71	142.66
08 63 13 00-0171			<b>30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights</b> (08 63 13 00-0162)		
08 63 13 00-0172	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, 30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight .....	3,151.61	142.66
08 63 13 00-0173	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight .....	2,999.94	142.66
08 63 13 00-0174	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight .....	3,303.27	142.66
08 63 13 00-0175			<b>Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights</b> (08 63 13 00-0161)		
08 63 13 00-0176			<b>10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights</b> (08 63 13 00-0175)		
08 63 13 00-0177	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, 10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight .....	2,285.92	142.66
08 63 13 00-0178	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight .....	2,130.85	142.66
08 63 13 00-0179	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight .....	2,405.21	142.66
08 63 13 00-0180			<b>25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights</b> (08 63 13 00-0175)		
08 63 13 00-0181	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight .....	2,969.27	142.66
08 63 13 00-0182	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight .....	2,817.60	142.66
08 63 13 00-0183	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight .....	3,127.75	142.66
08 63 13 00-0184			<b>30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights</b> (08 63 13 00-0175)		
08 63 13 00-0185	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight .....	3,161.83	142.66
08 63 13 00-0186	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight .....	3,010.17	142.66
08 63 13 00-0187	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight .....	3,320.31	142.66

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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### 08 66 Wood-Framed Skylights (08 60)

#### 08 66 00 00-0001 Wood-Framed Skylights (Andersen 400 Series) (08 66)

08 66 00 00-0002	EA 16-1/2" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series)..... <i>For Tempered Laminated Low-E Insulated Glass, Add</i> <i>For Aluminum Shingle Flashing, Add</i>	725.60 112.00 89.60	138.80
08 66 00 00-0003	EA 16-1/2" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)..... <i>For Tempered Laminated Low-E Insulated Glass, Add</i> <i>For Aluminum Shingle Flashing, Add</i>	743.89 116.57 93.26	138.80
08 66 00 00-0004	EA 24-1/2" x 27", Domed, Wood-Framed Skylight (Andersen 400 Series)..... <i>For Tempered Laminated Low-E Insulated Glass, Add</i> <i>For Aluminum Shingle Flashing, Add</i>	700.46 105.72 84.57	138.80
08 66 00 00-0005	EA 24-1/2" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series)..... <i>For Tempered Laminated Low-E Insulated Glass, Add</i> <i>For Aluminum Shingle Flashing, Add</i>	757.60 120.00 96.00	138.80
08 66 00 00-0006	EA 24-1/2" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)..... <i>For Tempered Laminated Low-E Insulated Glass, Add</i> <i>For Aluminum Shingle Flashing, Add</i>	805.60 132.00 105.60	138.80
08 66 00 00-0007	EA 24-1/2" x 57", Domed, Wood-Framed Skylight (Andersen 400 Series)..... <i>For Tempered Laminated Low-E Insulated Glass, Add</i> <i>For Aluminum Shingle Flashing, Add</i>	883.32 151.43 121.14	138.80
08 66 00 00-0008	EA 24-1/2" x 72", Domed, Wood-Framed Skylight (Andersen 400 Series)..... <i>For Tempered Laminated Low-E Insulated Glass, Add</i> <i>For Aluminum Shingle Flashing, Add</i>	981.61 176.00 140.80	138.80
08 66 00 00-0009	EA 27" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)..... <i>For Tempered Laminated Low-E Insulated Glass, Add</i> <i>For Aluminum Shingle Flashing, Add</i>	700.46 105.72 84.57	138.80
08 66 00 00-0010	EA 28" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series)..... <i>For Tempered Laminated Low-E Insulated Glass, Add</i> <i>For Aluminum Shingle Flashing, Add</i>	817.03 134.86 107.89	138.80
08 66 00 00-0011	EA 28" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)..... <i>For Tempered Laminated Low-E Insulated Glass, Add</i> <i>For Aluminum Shingle Flashing, Add</i>	883.32 151.43 121.14	138.80
08 66 00 00-0012	EA 28" x 57", Domed, Wood-Framed Skylight (Andersen 400 Series)..... <i>For Tempered Laminated Low-E Insulated Glass, Add</i> <i>For Aluminum Shingle Flashing, Add</i>	958.75 170.29 136.23	138.80
08 66 00 00-0013	EA 28" x 72", Domed, Wood-Framed Skylight (Andersen 400 Series)..... <i>For Tempered Laminated Low-E Insulated Glass, Add</i> <i>For Aluminum Shingle Flashing, Add</i>	1,059.32 195.43 156.34	138.80
08 66 00 00-0014	EA 38" x 16-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)..... <i>For Tempered Laminated Low-E Insulated Glass, Add</i> <i>For Aluminum Shingle Flashing, Add</i>	725.60 112.00 89.60	138.80
08 66 00 00-0015	EA 38" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)..... <i>For Tempered Laminated Low-E Insulated Glass, Add</i> <i>For Aluminum Shingle Flashing, Add</i>	757.60 120.00 96.00	138.80
08 66 00 00-0016	EA 38" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)..... <i>For Tempered Laminated Low-E Insulated Glass, Add</i> <i>For Aluminum Shingle Flashing, Add</i>	817.03 134.86 107.89	138.80
08 66 00 00-0017	EA 44" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)..... <i>For Tempered Laminated Low-E Insulated Glass, Add</i> <i>For Aluminum Shingle Flashing, Add</i>	1,027.32 187.43 149.94	138.80
08 66 00 00-0018	EA 46" x 16-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)..... <i>For Tempered Laminated Low-E Insulated Glass, Add</i> <i>For Aluminum Shingle Flashing, Add</i>	743.89 116.57 93.26	138.80
08 66 00 00-0019	EA 46" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)..... <i>For Tempered Laminated Low-E Insulated Glass, Add</i> <i>For Aluminum Shingle Flashing, Add</i>	805.60 132.00 105.60	138.80
08 66 00 00-0020	EA 46" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)..... <i>For Tempered Laminated Low-E Insulated Glass, Add</i> <i>For Aluminum Shingle Flashing, Add</i>	883.32 151.43 121.14	138.80
08 66 00 00-0021	EA 46" x 44", Domed, Wood-Framed Skylight (Andersen 400 Series)..... <i>For Tempered Laminated Low-E Insulated Glass, Add</i> <i>For Aluminum Shingle Flashing, Add</i>	1,027.32 187.43 149.94	138.80
08 66 00 00-0022	EA 57" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)..... <i>For Tempered Laminated Low-E Insulated Glass, Add</i> <i>For Aluminum Shingle Flashing, Add</i>	883.32 151.43 121.14	138.80
08 66 00 00-0023	EA 57" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)..... <i>For Tempered Laminated Low-E Insulated Glass, Add</i> <i>For Aluminum Shingle Flashing, Add</i>	958.75 170.29 136.23	138.80
08 66 00 00-0024	EA 72" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)..... <i>For Tempered Laminated Low-E Insulated Glass, Add</i> <i>For Aluminum Shingle Flashing, Add</i>	981.61 176.00 140.80	138.80
08 66 00 00-0025	EA 72" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)..... <i>For Tempered Laminated Low-E Insulated Glass, Add</i> <i>For Aluminum Shingle Flashing, Add</i>	1,059.32 195.43 156.34	138.80

### 08 70 Hardware (08)

#### 08 71 Door Hardware (08 70)

##### 08 71 11 Door Hardware (08 71)

Note: All hardware is Yale ANSI/BHMA Grade 1 unless otherwise noted. See CSI section 08 05 13 00-0050 for removal and reinstallation of existing door where required for modifications.

##### 08 71 11 00-0001 Hinges (08 71 11)

Note: Unit of measure "PR" indicates that two (2) sets of hinges (top and bottom) are priced. For doors with three (3) sets of hinges (top, middle and bottom), use 1.5 pairs. Excludes mortise preparation for wood doors.

## 08 Openings

08 70 Hardware

08 71 Door Hardware

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
08 71 11 00-0002		<b>Brass/Bronze, Satin Chrome Finish Hinges</b> (08 71 11 00-0001) Note: US26D (BHMA 626) satin chrome finish.			
08 71 11 00-0003		<b>Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinges</b> (08 71 11 00-0002) Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.			
08 71 11 00-0004	PR	3-1/2" x 3-1/2" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	77.24		7.77
		For Clear Coated Bright Brass, Add	5.06		
		For Pair Of Non-Removable Pins (NRP), Add	6.00		
08 71 11 00-0005	PR	4" x 4" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	84.65		11.11
		For Clear Coated Bright Brass, Add	5.63		
		For Pair Of Non-Removable Pins (NRP), Add	6.00		
08 71 11 00-0006	PR	4-1/2" x 4-1/2" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	97.10		12.21
		For Clear Coated Bright Brass, Add	4.71		
		For Pair Of Non-Removable Pins (NRP), Add	6.00		
08 71 11 00-0007		<b>Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges</b> (08 71 11 00-0002) Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.			
08 71 11 00-0008	PR	3-1/2" x 3-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	88.27		7.77
		For Clear Coated Bright Brass, Add	6.49		
		For Pair Of Non-Removable Pins (NRP), Add	6.00		
08 71 11 00-0009	PR	4" x 4" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	101.89		11.11
		For Clear Coated Bright Brass, Add	6.49		
		For Pair Of Non-Removable Pins (NRP), Add	6.00		
08 71 11 00-0010	PR	4-1/2" x 4-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	104.43		12.21
		For Clear Coated Bright Brass, Add	5.74		
		For Pair Of Non-Removable Pins (NRP), Add	6.00		
08 71 11 00-0011	PR	5" x 4-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	121.98		14.44
		For Clear Coated Bright Brass, Add	6.71		
		For Pair Of Non-Removable Pins (NRP), Add	6.00		
08 71 11 00-0012	PR	5" x 5" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	122.70		14.44
		For Clear Coated Bright Brass, Add	6.82		
		For Pair Of Non-Removable Pins (NRP), Add	6.00		
08 71 11 00-0013	PR	6" x 5" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	131.05		18.55
		For Clear Coated Bright Brass, Add	7.98		
		For Pair Of Non-Removable Pins (NRP), Add	6.00		
08 71 11 00-0014		<b>Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges</b> (08 71 11 00-0002) Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.			
08 71 11 00-0015	PR	3-1/2" x 3-1/2", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	99.46		7.77
08 71 11 00-0016	PR	4" x 4", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	113.07		11.11
08 71 11 00-0017	PR	4-1/2" x 4-1/2", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	116.59		12.21
08 71 11 00-0018	PR	5" x 4", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	135.39		14.44
08 71 11 00-0019		<b>Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges</b> (08 71 11 00-0002) Note: Surface mounted to the face of the door and set into mortised rabbet edge of the frame.			
08 71 11 00-0020	PR	4-1/2" x 4-1/2" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	128.81		12.21
		For Clear Coated Bright Brass, Add	9.15		
		For Pair Of Non-Removable Pins (NRP), Add	6.00		
08 71 11 00-0021	PR	5" x 4" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	146.56		14.44
		For Clear Coated Bright Brass, Add	10.16		
		For Pair Of Non-Removable Pins (NRP), Add	6.00		
08 71 11 00-0022	PR	5" x 5" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	161.92		14.44
		For Clear Coated Bright Brass, Add	12.31		
		For Pair Of Non-Removable Pins (NRP), Add	6.00		
08 71 11 00-0023		<b>Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges</b> (08 71 11 00-0002) Note: Set into mortised edge of the door and surface applied to the face of the frame.			
08 71 11 00-0024	PR	4-1/2" x 4-1/2" Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	131.85		12.21
		For Clear Coated Bright Brass, Add	9.58		
		For Pair Of Non-Removable Pins (NRP), Add	6.00		
08 71 11 00-0025	PR	5" x 4" Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	155.21		14.44
		For Clear Coated Bright Brass, Add	11.37		
		For Pair Of Non-Removable Pins (NRP), Add	6.00		
08 71 11 00-0026		<b>Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze Satin Chrome Finish Hinge</b> (08 71 11 00-0002) Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.			
08 71 11 00-0027	PR	4-1/2" x 4-1/2" Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	128.18		12.21
		For Clear Coated Bright Brass, Add	9.06		
		For Pair Of Non-Removable Pins (NRP), Add	6.00		
08 71 11 00-0028	PR	5" x 5" Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	148.23		18.55
		For Clear Coated Bright Brass, Add	10.39		
		For Pair Of Non-Removable Pins (NRP), Add	6.00		
08 71 11 00-0029	PR	6" x 5" Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	174.62		18.55
		For Clear Coated Bright Brass, Add	14.08		
		For Pair Of Non-Removable Pins (NRP), Add	6.00		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 71 11 00-0030			<b>Mortised, Wrought Steel Hinges</b> (08 71 11 00-0001) Note: Clear coated, US 26D satin chrome finish (BHMA 652).		
08 71 11 00-0031			<b>Full Mortise, Plain Bearing, Wrought Steel Hinges</b> (08 71 11 00-0030) Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0032	PR		3-1/2" x 3-1/2", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge.....	51.14	7.77
			For Primed For Paint Finish, Deduct	-1.85	
			For Bright Chrome Plated Finish US26 (BHMA 625), Add	1.16	
			For Satin Brass Plated Clear Coated Finish, Deduct	-1.11	
			For Stainless Steel, Add	5.08	
			For Heavy Duty, Add	1.39	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0033	PR		4" x 4", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge.....	65.72	11.11
			For Primed For Paint Finish, Deduct	-2.04	
			For Bright Chrome Plated Finish US26 (BHMA 625), Add	1.28	
			For Satin Brass Plated Clear Coated Finish, Deduct	-1.22	
			For Stainless Steel, Add	5.61	
			For Heavy Duty, Add	1.53	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0034	PR		4-1/2" x 4-1/2", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge.....	75.88	12.21
			For Primed For Paint Finish, Deduct	-2.49	
			For Bright Chrome Plated Finish US26 (BHMA 625), Add	1.55	
			For Satin Brass Plated Clear Coated Finish, Deduct	-1.49	
			For Stainless Steel, Add	6.84	
			For Heavy Duty, Add	1.86	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0035			<b>Full Mortise, Ball Bearing, Wrought Steel Hinges</b> (08 71 11 00-0030) Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0036	PR		3-1/2" x 3-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	75.58	7.77
			For Primed For Paint Finish, Deduct	-6.74	
			For Bright Chrome Plated Finish US26 (BHMA 625), Add	4.21	
			For Satin Brass Plated Clear Coated Finish, Deduct	-4.04	
			For Stainless Steel, Add	18.52	
			For Heavy Duty, Add	5.05	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0037	PR		4" x 4", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	93.66	11.11
			For Primed For Paint Finish, Deduct	-7.63	
			For Bright Chrome Plated Finish US26 (BHMA 625), Add	4.77	
			For Satin Brass Plated Clear Coated Finish, Deduct	-4.58	
			For Stainless Steel, Add	20.98	
			For Heavy Duty, Add	5.72	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0038	PR		4-1/2" x 4-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	140.94	12.21
			For Primed For Paint Finish, Deduct	-15.50	
			For Bright Chrome Plated Finish US26 (BHMA 625), Add	9.69	
			For Satin Brass Plated Clear Coated Finish, Deduct	-9.30	
			For Stainless Steel, Add	42.62	
			For Heavy Duty, Add	11.62	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0039	PR		5" x 4-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	129.78	14.44
			For Primed For Paint Finish, Deduct	-11.15	
			For Bright Chrome Plated Finish US26 (BHMA 625), Add	6.97	
			For Satin Brass Plated Clear Coated Finish, Deduct	-6.69	
			For Stainless Steel, Add	30.67	
			For Heavy Duty, Add	8.36	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0040	PR		5" x 5", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	137.65	14.44
			For Primed For Paint Finish, Deduct	-12.73	
			For Bright Chrome Plated Finish US26 (BHMA 625), Add	7.95	
			For Satin Brass Plated Clear Coated Finish, Deduct	-7.64	
			For Stainless Steel, Add	35.00	
			For Heavy Duty, Add	9.54	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0041	PR		6" x 5", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	161.64	14.44
			For Primed For Paint Finish, Deduct	-17.52	
			For Bright Chrome Plated Finish US26 (BHMA 625), Add	10.95	
			For Satin Brass Plated Clear Coated Finish, Deduct	-10.51	
			For Stainless Steel, Add	48.19	
			For Heavy Duty, Add	13.14	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0042			<b>Half Surface, Plain Bearing, Wrought Steel Hinges</b> (08 71 11 00-0030) Note: Surface mounted to the face of the door and set into mortised rabbet edge of the frame.		
08 71 11 00-0043	PR		3-1/2" x 3-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge.....	89.69	7.77
			For Primed For Paint Finish, Deduct	-9.56	
			For Bright Chrome Plated Finish US26 (BHMA 625), Add	5.97	
			For Satin Brass Plated Clear Coated Finish, Deduct	-5.73	
			For Stainless Steel, Add	26.28	
			For Heavy Duty, Add	7.17	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0044	PR		4" x 4", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge.....	109.68	11.11
			<i>For Primed For Paint Finish, Deduct</i>	-10.83	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	6.77	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-6.50	
			<i>For Stainless Steel, Add</i>	29.79	
			<i>For Heavy Duty, Add</i>	8.12	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0045	PR		4-1/2" x 4-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge.....	123.98	12.21
			<i>For Primed For Paint Finish, Deduct</i>	-12.11	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	7.57	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-7.26	
			<i>For Stainless Steel, Add</i>	33.29	
			<i>For Heavy Duty, Add</i>	9.08	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0046	PR		5" x 4-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge.....	140.93	14.44
			<i>For Primed For Paint Finish, Deduct</i>	-13.38	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	8.36	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-8.03	
			<i>For Stainless Steel, Add</i>	36.80	
			<i>For Heavy Duty, Add</i>	10.04	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
<b>08 71 11 00-0047</b>			<b>Half Surface, Ball Bearing, Wrought Steel Hinges</b> (08 71 11 00-0030)		
			Note: Surface mounted to the face of the door and set into mortised rabbet edge of the frame.		
08 71 11 00-0048	PR		4" x 4", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge.....	124.02	12.21
			<i>For Primed For Paint Finish, Deduct</i>	-13.70	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	8.56	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-8.22	
			<i>For Stainless Steel, Add</i>	37.68	
			<i>For Heavy Duty, Add</i>	10.28	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0049	PR		4-1/2" x 4-1/2", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge.....	139.25	12.21
			<i>For Primed For Paint Finish, Deduct</i>	-15.16	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	9.48	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-9.10	
			<i>For Stainless Steel, Add</i>	41.69	
			<i>For Heavy Duty, Add</i>	11.37	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0050	PR		5" x 5", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge.....	161.64	14.44
			<i>For Primed For Paint Finish, Deduct</i>	-17.52	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	10.95	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-10.51	
			<i>For Stainless Steel, Add</i>	48.19	
			<i>For Heavy Duty, Add</i>	13.14	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
<b>08 71 11 00-0051</b>			<b>Slide-In, Full Mortise, Ball Bearing, Wrought Steel Hinges</b> (08 71 11 00-0030)		
			Note: Both leaves slide into a cavity prepared in the door and door frame.		
08 71 11 00-0052	PR		4-1/2" x 4-1/2", Standard Duty, Slide In, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	143.46	12.21
			<i>For Primed For Paint Finish, Deduct</i>	-16.00	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	10.00	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-9.60	
			<i>For Stainless Steel, Add</i>	44.01	
			<i>For Heavy Duty, Add</i>	12.00	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
<b>08 71 11 00-0053</b>			<b>Blank Butt Hinges</b> (08 71 11 00-0030)		
08 71 11 00-0054	PR		3-1/2" x 3-1/2" To 5" x 5", Blank Butt With Screws, Steel Hinge.....	30.04	4.99
			<i>For Primed For Paint Finish, Deduct</i>	-2.04	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	1.27	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-1.22	
			<i>For Stainless Steel, Add</i>	5.60	
			<i>For Heavy Duty, Add</i>	1.53	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
<b>08 71 11 00-0055</b>			<b>Full Mortise, Single Acting Spring, Wrought Steel Hinges</b> (08 71 11 00-0030)		
			Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0056	PR		3-1/2" x 3-1/2", Full Mortise, Single Acting Spring, Wrought Steel Hinge.....	118.32	7.77
			<i>For Primed For Paint Finish, Deduct</i>	-15.28	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	9.55	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-9.17	
			<i>For Stainless Steel, Add</i>	42.03	
08 71 11 00-0057	PR		4" x 4", Full Mortise, Single Acting Spring, Wrought Steel Hinge.....	155.48	11.11
			<i>For Primed For Paint Finish, Deduct</i>	-19.99	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	12.50	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-12.00	
			<i>For Stainless Steel, Add</i>	54.98	
08 71 11 00-0058	PR		4-1/2" x 4-1/2", Full Mortise, Single Acting Spring, Wrought Steel Hinge.....	210.49	12.21
			<i>For Primed For Paint Finish, Deduct</i>	-29.41	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	18.38	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-17.64	
			<i>For Stainless Steel, Add</i>	80.87	
<b>08 71 11 00-0059</b>			<b>Offset And Pivot Hinges</b> (08 71 11 00-0001)		
			Note: Satin chrome plated, US26D.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>08 71 11 00-0060</b>			<b>Offset Swing Clear Hinges</b> <small>(08 71 11 00-0059)</small> Note: For use on 1-3/8" and 1-3/4" doors. Allows doors to swing completely clear of the openings.		
08 71 11 00-0061	EA		4-1/2", Steel, Satin Chrome Finish, Swing Clear, Offset Hinges.....	199.57	3.46
			For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	35.29	
			For Bright Chrome Plated US26 (BHMA 625) Finish, Add	56.83	
<b>08 71 11 00-0062</b>			<b>Offset Pivot Hinges</b> <small>(08 71 11 00-0059)</small>		
<b>08 71 11 00-0063</b>			<b>3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0062)</small>		
<b>08 71 11 00-0064</b>			<b>3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0063)</small>		
<b>08 71 11 00-0065</b>			<b>Top Mount, 3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0064)</small>		
<b>08 71 11 00-0066</b>			<b>200 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0065)</small>		
08 71 11 00-0067	EA		Painted Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	117.27	11.11
08 71 11 00-0068	EA		Satin Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	156.17	11.11
08 71 11 00-0069	EA		Bright Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	177.79	11.11
08 71 11 00-0070	EA		Satin Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	177.79	11.11
08 71 11 00-0071	EA		Satin Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	177.79	11.11
08 71 11 00-0072	EA		Dark Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	177.79	11.11
08 71 11 00-0073	EA		Bright Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	177.79	11.11
08 71 11 00-0074	EA		Painted Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	128.51	11.11
08 71 11 00-0075	EA		Satin Chrome Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	162.24	11.11
08 71 11 00-0076	EA		Bright Brass Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	184.70	11.11
08 71 11 00-0077	EA		Satin Brass Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	184.70	11.11
08 71 11 00-0078	EA		Satin Bronze Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	184.70	11.11
08 71 11 00-0079	EA		Dark Bronze Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	184.70	11.11
08 71 11 00-0080	EA		Bright Chrome Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	184.70	11.11
08 71 11 00-0081	EA		Painted Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	117.27	11.11
08 71 11 00-0082	EA		Satin Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	156.17	11.11
08 71 11 00-0083	EA		Bright Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	177.79	11.11
08 71 11 00-0084	EA		Satin Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	177.79	11.11
08 71 11 00-0085	EA		Satin Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	177.79	11.11
08 71 11 00-0086	EA		Dark Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	177.79	11.11
08 71 11 00-0087	EA		Bright Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	177.79	11.11
<b>08 71 11 00-0088</b>			<b>500 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0065)</small>		
08 71 11 00-0089	EA		Painted Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	122.83	13.88
08 71 11 00-0090	EA		Satin Chrome Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	161.73	13.88
08 71 11 00-0091	EA		Bright Brass Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	183.35	13.88
08 71 11 00-0092	EA		Satin Brass Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	183.35	13.88
08 71 11 00-0093	EA		Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	183.35	13.88
08 71 11 00-0094	EA		Dark Bronze Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	183.35	13.88
08 71 11 00-0095	EA		Bright Chrome Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	183.35	13.88
<b>08 71 11 00-0096</b>			<b>600 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0065)</small>		
08 71 11 00-0097	EA		Painted Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	122.83	13.88
08 71 11 00-0098	EA		Satin Chrome Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	161.73	13.88
08 71 11 00-0099	EA		Bright Brass Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	183.35	13.88
08 71 11 00-0100	EA		Satin Brass Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	183.35	13.88
08 71 11 00-0101	EA		Satin Bronze Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	183.35	13.88
08 71 11 00-0102	EA		Dark Bronze Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	183.35	13.88
08 71 11 00-0103	EA		Bright Chrome Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	183.35	13.88
<b>08 71 11 00-0104</b>			<b>700 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0065)</small>		
08 71 11 00-0105	EA		Painted Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	122.83	13.88
08 71 11 00-0106	EA		Satin Chrome Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	161.73	13.88
08 71 11 00-0107	EA		Bright Brass Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	183.35	13.88
08 71 11 00-0108	EA		Satin Brass Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	183.35	13.88
08 71 11 00-0109	EA		Satin Bronze Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	183.35	13.88
08 71 11 00-0110	EA		Dark Bronze Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	183.35	13.88
08 71 11 00-0111	EA		Bright Chrome Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	183.35	13.88
<b>08 71 11 00-0112</b>			<b>Intermediate Mount, 3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0064)</small>		
<b>08 71 11 00-0113</b>			<b>200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0112)</small>		
08 71 11 00-0114	EA		Painted Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	144.93	11.11
08 71 11 00-0115	EA		Satin Chrome Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	177.79	11.11
08 71 11 00-0116	EA		Bright Brass Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	201.12	11.11
08 71 11 00-0117	EA		Satin Brass Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	201.12	11.11
08 71 11 00-0118	EA		Satin Bronze Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	201.12	11.11
08 71 11 00-0119	EA		Dark Bronze Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	201.12	11.11
08 71 11 00-0120	EA		Bright Chrome Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	201.12	11.11



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 71 11 00-0185	EA		Painted Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	378.69	13.88
08 71 11 00-0186	EA		Satin Chrome Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM) .....	406.35	13.88
08 71 11 00-0187	EA		Bright Brass Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM) .....	450.44	13.88
08 71 11 00-0188	EA		Satin Brass Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM) .....	450.44	13.88
08 71 11 00-0189	EA		Satin Bronze Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM) .....	450.44	13.88
08 71 11 00-0190	EA		Dark Bronze Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	450.44	13.88
08 71 11 00-0191	EA		Bright Chrome Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	450.44	13.88
<b>08 71 11 00-0192</b>			<b>Fire Rated, 3/4" Offset Pivot Hinges</b> (08 71 11 00-0063)		
<b>08 71 11 00-0193</b>			<b>Top Mount, Fire Rated, 3/4" Offset Pivot Hinges</b> (08 71 11 00-0192)		
<b>08 71 11 00-0194</b>			<b>500 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges</b> (08 71 11 00-0193)		
08 71 11 00-0195	EA		Painted Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top).....	227.44	13.88
08 71 11 00-0196	EA		Satin Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top).....	268.05	13.88
08 71 11 00-0197	EA		Bright Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top).....	300.90	13.88
08 71 11 00-0198	EA		Bright Brass Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top).....	300.90	13.88
08 71 11 00-0199	EA		Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top).....	300.90	13.88
<b>08 71 11 00-0200</b>			<b>600 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges</b> (08 71 11 00-0193)		
08 71 11 00-0201	EA		Painted Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top).....	227.44	13.88
08 71 11 00-0202	EA		Satin Stainless Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top).....	268.05	13.88
08 71 11 00-0203	EA		Bright Stainless Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top).....	300.90	13.88
08 71 11 00-0204	EA		Bright Brass Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top).....	300.90	13.88
08 71 11 00-0205	EA		Satin Bronze Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top).....	300.90	13.88
<b>08 71 11 00-0206</b>			<b>700 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges</b> (08 71 11 00-0193)		
08 71 11 00-0207	EA		Painted Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top).....	227.44	13.88
08 71 11 00-0208	EA		Satin Stainless Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top).....	268.05	13.88
08 71 11 00-0209	EA		Bright Stainless Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top).....	300.90	13.88
08 71 11 00-0210	EA		Bright Brass Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top).....	300.90	13.88
08 71 11 00-0211	EA		Satin Bronze Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top).....	300.90	13.88
<b>08 71 11 00-0212</b>			<b>1,000 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges</b> (08 71 11 00-0193)		
08 71 11 00-0213	EA		Painted Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top).....	239.89	16.66
08 71 11 00-0214	EA		Satin Stainless Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top).....	273.60	16.66
08 71 11 00-0215	EA		Bright Stainless Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top).....	289.16	16.66
08 71 11 00-0216	EA		Bright Brass Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top).....	289.16	16.66
08 71 11 00-0217	EA		Satin Bronze Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top).....	289.16	16.66
<b>08 71 11 00-0218</b>			<b>1,750 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges</b> (08 71 11 00-0193)		
08 71 11 00-0219	EA		Painted Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top).....	239.89	16.66
08 71 11 00-0220	EA		Satin Stainless Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top).....	273.60	16.66
08 71 11 00-0221	EA		Bright Stainless Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top).....	289.16	16.66
08 71 11 00-0222	EA		Bright Brass Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top).....	289.16	16.66
08 71 11 00-0223	EA		Satin Bronze Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top).....	289.16	16.66
<b>08 71 11 00-0224</b>			<b>Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges</b> (08 71 11 00-0192)		
<b>08 71 11 00-0225</b>			<b>500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges</b> (08 71 11 00-0224)		

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0226	EA		Painted Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT) .....	234.34	13.88
08 71 11 00-0227	EA		Satin Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT) .....	272.37	13.88
08 71 11 00-0228	EA		Bright Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT) .....	283.61	13.88
08 71 11 00-0229	EA		Bright Brass Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT) .....	283.61	13.88
08 71 11 00-0230	EA		Satin Bronze Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT) .....	283.61	13.88
<b>08 71 11 00-0231</b>			<b>600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0224)</small>		
08 71 11 00-0232	EA		Painted Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT) .....	234.34	13.88
08 71 11 00-0233	EA		Satin Stainless Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT) .....	272.37	13.88
08 71 11 00-0234	EA		Bright Stainless Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT) .....	283.61	13.88
08 71 11 00-0235	EA		Bright Brass Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT) .....	283.61	13.88
08 71 11 00-0236	EA		Satin Bronze Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT) .....	283.61	13.88
<b>08 71 11 00-0237</b>			<b>700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0224)</small>		
08 71 11 00-0238	EA		Painted Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT) .....	234.34	13.88
08 71 11 00-0239	EA		Satin Stainless Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT) .....	272.37	13.88
08 71 11 00-0240	EA		Bright Stainless Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT) .....	283.61	13.88
08 71 11 00-0241	EA		Bright Brass Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT) .....	283.61	13.88
08 71 11 00-0242	EA		Satin Bronze Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT) .....	283.61	13.88
<b>08 71 11 00-0243</b>			<b>1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0224)</small>		
08 71 11 00-0244	EA		Painted Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT) .....	262.37	16.66
08 71 11 00-0245	EA		Satin Stainless Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT) .....	301.26	16.66
08 71 11 00-0246	EA		Bright Stainless Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT) .....	311.63	16.66
08 71 11 00-0247	EA		Bright Brass Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT) .....	311.63	16.66
08 71 11 00-0248	EA		Satin Bronze Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT) .....	311.63	16.66
<b>08 71 11 00-0249</b>			<b>1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0224)</small>		
08 71 11 00-0250	EA		Painted Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT) .....	262.37	16.66
08 71 11 00-0251	EA		Satin Stainless Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT) .....	301.26	16.66
08 71 11 00-0252	EA		Bright Stainless Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT) .....	311.63	16.66
08 71 11 00-0253	EA		Bright Brass Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT) .....	311.63	16.66
08 71 11 00-0254	EA		Satin Bronze Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT) .....	311.63	16.66
<b>08 71 11 00-0255</b>			<b>Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0192)</small>		
<b>08 71 11 00-0256</b>			<b>500 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0255)</small>		
08 71 11 00-0257	EA		Painted Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM) .....	261.15	13.88
08 71 11 00-0258	EA		Satin Stainless Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM) .....	322.52	13.88
08 71 11 00-0259	EA		Bright Stainless Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM) .....	345.85	13.88
08 71 11 00-0260	EA		Bright Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM) .....	345.85	13.88
08 71 11 00-0261	EA		Satin Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM) .....	345.85	13.88

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 71 11 00-0262			<b>600 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0255)</small>		
08 71 11 00-0263	EA		Painted Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM).....	256.82	13.88
08 71 11 00-0264	EA		Satin Stainless Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM).....	272.37	13.88
08 71 11 00-0265	EA		Bright Stainless Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM).....	312.14	13.88
08 71 11 00-0266	EA		Bright Brass Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM).....	312.14	13.88
08 71 11 00-0267	EA		Satin Bronze Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM).....	312.14	13.88
08 71 11 00-0268			<b>1,000 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0255)</small>		
08 71 11 00-0269	EA		Painted Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM).....	295.21	16.66
08 71 11 00-0270	EA		Satin Stainless Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM).....	328.07	16.66
08 71 11 00-0271	EA		Bright Stainless Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM).....	340.16	16.66
08 71 11 00-0272	EA		Bright Brass Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM).....	340.16	16.66
08 71 11 00-0273	EA		Satin Bronze Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM).....	340.16	16.66
08 71 11 00-0274			<b>1,750 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0255)</small>		
08 71 11 00-0275	EA		Painted Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	417.09	16.66
08 71 11 00-0276	EA		Satin Stainless Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	444.75	16.66
08 71 11 00-0277	EA		Bright Stainless Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	455.99	16.66
08 71 11 00-0278	EA		Bright Brass Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	455.99	16.66
08 71 11 00-0279	EA		Satin Bronze Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	455.99	16.66
08 71 11 00-0280			<b>1-1/2" Offset Pivot Hinges</b> <small>(08 71 11 00-0282)</small>		
08 71 11 00-0281			<b>Fire Rated, 1-1/2" Offset Pivot Hinges</b> <small>(08 71 11 00-0280)</small>		
08 71 11 00-0282			<b>Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges</b> <small>(08 71 11 00-0281)</small>		
08 71 11 00-0283			<b>400 LB Max Door Weight, Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges</b> <small>(08 71 11 00-0282)</small>		
08 71 11 00-0284	EA		Painted Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	268.05	13.88
08 71 11 00-0285	EA		Satin Stainless Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	289.66	13.88
08 71 11 00-0286	EA		Bright Stainless Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	306.08	13.88
08 71 11 00-0287	EA		Bright Bronze Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	306.08	13.88
08 71 11 00-0288	EA		Satin Bronze Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	306.08	13.88
08 71 11 00-0289			<b>500 LB Max Door Weight, Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges</b> <small>(08 71 11 00-0282)</small>		
08 71 11 00-0290	EA		Painted Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	268.05	13.88
08 71 11 00-0291	EA		Satin Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	289.66	13.88
08 71 11 00-0292	EA		Bright Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	306.08	13.88
08 71 11 00-0293	EA		Bright Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	306.08	13.88
08 71 11 00-0294	EA		Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	306.08	13.88
08 71 11 00-0295			<b>Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges</b> <small>(08 71 11 00-0281)</small>		
08 71 11 00-0296			<b>400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges</b> <small>(08 71 11 00-0295)</small>		
08 71 11 00-0297	EA		Painted Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....	278.42	13.88
08 71 11 00-0298	EA		Satin Stainless Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....	312.14	13.88
08 71 11 00-0299	EA		Bright Stainless Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....	328.56	13.88

**08 Openings****08 70 Hardware****08 71 Door Hardware**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 71 11 00-0300	EA	Bright Brass Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT) .....	328.56	13.88
08 71 11 00-0301	EA	Satin Bronze Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT) .....	328.56	13.88
<b>08 71 11 00-0302</b>		<b>500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges</b> <small>(08 71 11 00-0295)</small>		
08 71 11 00-0303	EA	Painted Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT) .....	278.42	13.88
08 71 11 00-0304	EA	Satin Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT) .....	312.14	13.88
08 71 11 00-0305	EA	Bright Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT) .....	328.56	13.88
08 71 11 00-0306	EA	Bright Brass Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT) .....	328.56	13.88
08 71 11 00-0307	EA	Satin Bronze Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT) .....	328.56	13.88
<b>08 71 11 00-0308</b>		<b>Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges</b> <small>(08 71 11 00-0281)</small>		
<b>08 71 11 00-0309</b>		<b>400 LB Max Door Weight, Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges</b> <small>(08 71 11 00-0308)</small>		
08 71 11 00-0310	EA	Painted Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM) .....	272.37	13.88
08 71 11 00-0311	EA	Satin Stainless Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM) .....	312.14	13.88
08 71 11 00-0312	EA	Bright Stainless Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM) .....	328.56	13.88
08 71 11 00-0313	EA	Bright Brass Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM) .....	328.56	13.88
08 71 11 00-0314	EA	Satin Bronze Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM) .....	328.56	13.88
<b>08 71 11 00-0315</b>		<b>500 LB Max Door Weight, Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges</b> <small>(08 71 11 00-0308)</small>		
08 71 11 00-0316	EA	Painted Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM) .....	439.20	13.88
08 71 11 00-0317	EA	Satin Stainless Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM) .....	484.15	13.88
08 71 11 00-0318	EA	Bright Stainless Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM) .....	495.39	13.88
08 71 11 00-0319	EA	Bright Brass Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM) .....	495.39	13.88
08 71 11 00-0320	EA	Satin Bronze Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM) .....	495.39	13.88
<b>08 71 11 00-0321</b>		<b>Center Hung Pivot Hinges</b> <small>(08 71 11 00-0059)</small>		
<b>08 71 11 00-0322</b>		<b>Top Mount, Center Hung Pivot Hinges</b> <small>(08 71 11 00-0321)</small>		
<b>08 71 11 00-0323</b>		<b>300 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges</b> <small>(08 71 11 00-0322)</small>		
08 71 11 00-0324	EA	Painted Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top) .....	139.75	11.11
08 71 11 00-0325	EA	Satin Chrome Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top) .....	151.00	11.11
08 71 11 00-0326	EA	Bright Brass Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top) .....	151.00	11.11
08 71 11 00-0327	EA	Satin Brass Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top) .....	151.00	11.11
08 71 11 00-0328	EA	Satin Bronze Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top) .....	151.00	11.11
08 71 11 00-0329	EA	Dark Bronze Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top) .....	151.00	11.11
08 71 11 00-0330	EA	Bright Chrome Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top) .....	151.00	11.11
<b>08 71 11 00-0331</b>		<b>500 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges</b> <small>(08 71 11 00-0322)</small>		
08 71 11 00-0332	EA	Painted Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top) .....	145.31	13.88
08 71 11 00-0333	EA	Satin Chrome Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top) .....	156.56	13.88
08 71 11 00-0334	EA	Bright Brass Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top) .....	156.56	13.88
08 71 11 00-0335	EA	Satin Brass Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top) .....	156.56	13.88
08 71 11 00-0336	EA	Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top) .....	156.56	13.88
08 71 11 00-0337	EA	Dark Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top) .....	156.56	13.88
08 71 11 00-0338	EA	Bright Chrome Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top) .....	156.56	13.88
<b>08 71 11 00-0339</b>		<b>600 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges</b> <small>(08 71 11 00-0322)</small>		
08 71 11 00-0340	EA	Painted Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top) .....	145.31	13.88
08 71 11 00-0341	EA	Satin Chrome Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top) .....	156.56	13.88
08 71 11 00-0342	EA	Bright Brass Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top) .....	156.56	13.88
08 71 11 00-0343	EA	Satin Brass Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top) .....	156.56	13.88
08 71 11 00-0344	EA	Satin Bronze Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top) .....	156.56	13.88
08 71 11 00-0345	EA	Dark Bronze Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top) .....	156.56	13.88
08 71 11 00-0346	EA	Bright Chrome Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top) .....	156.56	13.88
<b>08 71 11 00-0347</b>		<b>1,000 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges</b> <small>(08 71 11 00-0322)</small>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 71 11 00-0348	EA		Painted Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	228.65	16.66
08 71 11 00-0349	EA		Satin Chrome Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top) .....	266.70	16.66
08 71 11 00-0350	EA		Bright Brass Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top) .....	306.45	16.66
08 71 11 00-0351	EA		Satin Brass Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	306.45	16.66
08 71 11 00-0352	EA		Satin Bronze Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top) .....	306.45	16.66
08 71 11 00-0353	EA		Dark Bronze Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	306.45	16.66
08 71 11 00-0354	EA		Bright Chrome Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	306.45	16.66
<b>08 71 11 00-0355</b>			<b>Bottom Mount, Center Hung Pivot Hinges</b> <small>(08 71 11 00-0321)</small>		
<b>08 71 11 00-0356</b>			<b>300 LB Max Door Weight, Bottom Mount, Center Hung Pivot Hinges</b> <small>(08 71 11 00-0355)</small>		
08 71 11 00-0357	EA		Painted Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	106.90	11.11
08 71 11 00-0358	EA		Satin Chrome Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	123.34	11.11
08 71 11 00-0359	EA		Bright Brass Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	139.75	11.11
08 71 11 00-0360	EA		Satin Brass Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	139.75	11.11
08 71 11 00-0361	EA		Satin Bronze Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	139.75	11.11
08 71 11 00-0362	EA		Dark Bronze Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	139.75	11.11
08 71 11 00-0363	EA		Bright Chrome Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	139.75	11.11
<b>08 71 11 00-0364</b>			<b>500 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0355)</small>		
08 71 11 00-0365	EA		Painted Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	156.56	13.88
08 71 11 00-0366	EA		Satin Chrome Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	161.73	13.88
08 71 11 00-0367	EA		Bright Brass Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	161.73	13.88
08 71 11 00-0368	EA		Satin Brass Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	161.73	13.88
08 71 11 00-0369	EA		Satin Bronze Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	161.73	13.88
08 71 11 00-0370	EA		Dark Bronze Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	161.73	13.88
08 71 11 00-0371	EA		Bright Chrome Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	161.73	13.88
08 71 11 00-0372	EA		Painted Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM) .....	156.56	13.88
08 71 11 00-0373	EA		Satin Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM).....	161.73	13.88
08 71 11 00-0374	EA		Bright Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM) .....	161.73	13.88
08 71 11 00-0375	EA		Satin Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM) .....	161.73	13.88
08 71 11 00-0376	EA		Satin Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM) .....	161.73	13.88
08 71 11 00-0377	EA		Dark Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM).....	161.73	13.88
08 71 11 00-0378	EA		Bright Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM).....	161.73	13.88
<b>08 71 11 00-0379</b>			<b>600 LB Max Door Weight, Bottom Mount, Center Hung Pivot Hinges</b> <small>(08 71 11 00-0355)</small>		
08 71 11 00-0380	EA		Painted Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	312.14	13.88
08 71 11 00-0381	EA		Satin Chrome Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	328.56	13.88
08 71 11 00-0382	EA		Bright Brass Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	345.85	13.88
08 71 11 00-0383	EA		Satin Brass Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	345.85	13.88
08 71 11 00-0384	EA		Satin Bronze Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	345.85	13.88
08 71 11 00-0385	EA		Dark Bronze Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	345.85	13.88
08 71 11 00-0386	EA		Bright Chrome Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	345.85	13.88
<b>08 71 11 00-0387</b>			<b>1,000 LB Max Door Weight, Bottom Mount, Center Hung Pivot Hinges</b> <small>(08 71 11 00-0355)</small>		
08 71 11 00-0388	EA		Painted Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	572.68	16.66
08 71 11 00-0389	EA		Satin Chrome Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	589.10	16.66
08 71 11 00-0390	EA		Bright Brass Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	611.58	16.66
08 71 11 00-0391	EA		Satin Brass Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	611.58	16.66
08 71 11 00-0392	EA		Satin Bronze Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	611.58	16.66
08 71 11 00-0393	EA		Dark Bronze Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	611.58	16.66
08 71 11 00-0394	EA		Bright Chrome Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	611.58	16.66
<b>08 71 11 00-0395</b>			<b>Continuous Barrel-Type Hinge</b> <small>(08 71 11 00-0001)</small>		

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0396	LF		1-1/2" Wide, Steel, Continuous Barrel-Type Hinge .....	28.80	4.44
			<i>For Stainless Steel, Add</i>	6.07	
			<i>For Brass Or Nickel, Add</i>	6.62	
			<i>For Aluminum, Add</i>	2.16	
			<i>For Medium Gauge, Deduct</i>	-2.21	
08 71 11 00-0397	LF		2" Wide, Steel, Continuous Barrel-Type Hinge .....	29.54	4.44
			<i>For Stainless Steel, Add</i>	6.48	
			<i>For Brass Or Nickel, Add</i>	7.07	
			<i>For Aluminum, Add</i>	2.31	
			<i>For Medium Gauge, Deduct</i>	-2.36	
08 71 11 00-0398	LF		2-1/2" Wide, Steel, Continuous Barrel-Type Hinge .....	31.01	4.44
			<i>For Stainless Steel, Add</i>	7.29	
			<i>For Brass Or Nickel, Add</i>	7.95	
			<i>For Aluminum, Add</i>	2.60	
			<i>For Medium Gauge, Deduct</i>	-2.65	
08 71 11 00-0399	LF		3" Wide, Steel, Continuous Barrel-Type Hinge .....	32.68	4.44
			<i>For Stainless Steel, Add</i>	8.21	
			<i>For Brass Or Nickel, Add</i>	8.95	
			<i>For Aluminum, Add</i>	2.92	
			<i>For Medium Gauge, Deduct</i>	-2.98	
<b>08 71 11 00-0400</b>			<b>Continuous Geared Hinges</b> (08 71 11 00-0001)		
08 71 11 00-0401	LF		Half Surface, Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-053) .....	52.30	4.44
			<i>For Bronze Finish, Add</i>	12.95	
			<i>For Heavy Duty, Add</i>	9.23	
08 71 11 00-0402	LF		Full Surface, Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-057) .....	56.34	4.44
			<i>For Bronze Finish, Add</i>	14.47	
			<i>For Heavy Duty, Add</i>	10.31	
08 71 11 00-0403	LF		Concealed (Full Mortise), Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-112) .....	36.11	4.44
			<i>For Bronze Finish, Add</i>	6.88	
08 71 11 00-0404	LF		Concealed (Full Mortise), Aluminum Geared Continuous Hinge, Heavy Duty (Roton 780-112HD) .....	41.97	4.44
			<i>For Bronze Finish, Add</i>	9.08	
<b>08 71 11 00-0405</b>			<b>Mortised, Primed Steel, Double Acting Spring Hinges</b> (08 71 11 00-0001)		
08 71 11 00-0406	PR		2", Mortised, Primed Steel, Double Acting Spring Hinge .....	111.86	7.77
			<i>For Satin Brass, Add</i>	17.52	
08 71 11 00-0407	PR		3", Mortised, Primed Steel, Double Acting Spring Hinge .....	122.99	9.99
			<i>For Satin Brass, Add</i>	17.52	
08 71 11 00-0408	PR		4", Mortised, Primed Steel, Double Acting Spring Hinge .....	138.07	12.21
			<i>For Satin Brass, Add</i>	18.48	
08 71 11 00-0409	PR		5", Mortised, Primed Steel, Double Acting Spring Hinge .....	178.71	14.44
			<i>For Satin Brass, Add</i>	25.57	
08 71 11 00-0410	PR		6", Mortised, Primed Steel, Double Acting Spring Hinge .....	200.61	16.66
			<i>For Satin Brass, Add</i>	28.16	
08 71 11 00-0411	PR		7", Mortised, Primed Steel, Double Acting Spring Hinge .....	239.72	18.88
			<i>For Satin Brass, Add</i>	34.88	
08 71 11 00-0412	PR		8", Mortised, Primed Steel, Double Acting Spring Hinge .....	319.26	52.75
			<i>For Satin Brass, Add</i>	51.30	
<b>08 71 11 00-0413</b>			<b>Security Hinges</b> (08 71 11 00-0001)		
08 71 11 00-0414	EA		4-1/2" x 4-1/2", Non Removable Pin, Full Mortise, Ball Bearing, Steel Security Hinge .....	38.38	7.77
<b>08 71 11 00-0415</b>			<b>Concealed Circuit Electric Hinge Option</b> (08 71 11 00-0001)		
			Note: Excludes the hinge. These tasks are used in conjunction with other hinges in the Construction Task Catalog@ to electrify the hinge.		
08 71 11 00-0416	EA		4 Wire Concealed Circuit Electric Hinge Option .....	247.47	
08 71 11 00-0417	EA		6 Wire Concealed Circuit Electric Hinge Option .....	292.18	
08 71 11 00-0418	EA		8 Wire Concealed Circuit Electric Hinge Option .....	336.89	
<b>08 71 11 00-0419</b>			<b>Hinge Filler Plates For Door Frames</b> (08 71 11 00-0001)		
08 71 11 00-0420	PR		Hinge Filler Plates For Door Frames .....	19.21	5.55
<b>08 71 11 00-0421</b>			<b>Door Trim</b> (08 71 11)		
<b>08 71 11 00-0422</b>			<b>Floor Stops, Wall Stops And Bumpers</b> (08 71 11 00-0421)		
<b>08 71 11 00-0423</b>			<b>Floor Stops</b> (08 71 11 00-0422)		
<b>08 71 11 00-0424</b>			<b>Aluminum Floor Stops</b> (08 71 11 00-0423)		
08 71 11 00-0425	EA		1-5/16" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS430) .....	30.17	13.88
08 71 11 00-0426	EA		1" Overall Height, 3/16" Base Height, Satin Aluminum Finish, Aluminum Dome Floor Stop (Ives FS436) .....	32.55	13.88
08 71 11 00-0427	EA		1-3/8" Overall Height, 9/16" Base Height, Satin Aluminum Finish, Aluminum Dome Floor Stop (Ives FS438) .....	33.47	13.88
08 71 11 00-0428	EA		2-1/8" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS441) .....	47.35	13.88
08 71 11 00-0429	EA		3" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS444/448) .....	49.01	13.88
<b>08 71 11 00-0430</b>			<b>Brass Floor Stops</b> (08 71 11 00-0423)		
08 71 11 00-0431	EA		1" Overall Height, 3/16" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS436) .....	32.89	13.88
08 71 11 00-0432	EA		1" Overall Height, 3/16" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS436) .....	33.80	13.88
08 71 11 00-0433	EA		1" Overall Height, 3/16" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS436) .....	33.80	13.88
08 71 11 00-0434	EA		1" Overall Height, 3/16" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS436) .....	34.16	13.88

MINOR	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 71 11 00-0435	EA	1" Overall Height, 3/16" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS436).....	34.63	13.88
08 71 11 00-0436	EA	1" Overall Height, 3/16" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS436).....	34.63	13.88
08 71 11 00-0437	EA	1" Overall Height, 3/16" Base Height, Satin Nickel Finish, Brass Dome Floor Stop (Ives FS436).....	34.63	13.88
08 71 11 00-0438	EA	1-3/8" Overall Height, 9/16" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS438).....	33.47	13.88
08 71 11 00-0439	EA	1-3/8" Overall Height, 9/16" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS438).....	34.85	13.88
08 71 11 00-0440	EA	1-3/8" Overall Height, 9/16" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS438).....	34.85	13.88
08 71 11 00-0441	EA	1-3/8" Overall Height, 9/16" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS438).....	35.39	13.88
08 71 11 00-0442	EA	1-3/8" Overall Height, 9/16" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS438).....	35.86	13.88
08 71 11 00-0443	EA	1-3/8" Overall Height, 9/16" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS438).....	35.86	13.88
08 71 11 00-0444	EA	1-3/8" Overall Height, 9/16" Base Height, Satin Nickel Finish, Brass Dome Floor Stop (Ives FS438).....	38.04	13.88
08 71 11 00-0445	EA	1" Overall Height, 5/32" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS13).....	34.94	13.88
08 71 11 00-0446	EA	1" Overall Height, 5/32" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS13).....	34.94	13.88
08 71 11 00-0447	EA	1" Overall Height, 5/32" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS13).....	36.45	13.88
08 71 11 00-0448	EA	1" Overall Height, 5/32" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS13).....	36.45	13.88
08 71 11 00-0449	EA	1" Overall Height, 5/32" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS13).....	36.45	13.88
08 71 11 00-0450	EA	1" Overall Height, 5/32" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS13).....	36.45	13.88
08 71 11 00-0451	EA	1-11/32" Overall Height, 1/2" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS17).....	35.99	13.88
08 71 11 00-0452	EA	1-11/32" Overall Height, 1/2" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS17).....	35.99	13.88
08 71 11 00-0453	EA	1-11/32" Overall Height, 1/2" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS17).....	37.46	13.88
08 71 11 00-0454	EA	1-11/32" Overall Height, 1/2" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS17).....	37.46	13.88
08 71 11 00-0455	EA	1-11/32" Overall Height, 1/2" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS17).....	37.46	13.88
08 71 11 00-0456	EA	1-11/32" Overall Height, 1/2" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS17).....	37.46	13.88
08 71 11 00-0457	EA	2-1/8" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS441).....	48.69	13.88
08 71 11 00-0458	EA	2-1/8" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS441).....	49.34	13.88
08 71 11 00-0459	EA	2-1/8" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS441).....	50.93	13.88
08 71 11 00-0460	EA	2-1/8" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS441).....	52.22	13.88
08 71 11 00-0461	EA	2-1/8" Overall Height, Satin Bronze Finish, Brass Floor Stop (Ives FS441).....	52.22	13.88
08 71 11 00-0462	EA	2-1/8" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS441).....	57.46	13.88
08 71 11 00-0463	EA	2-1/8" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS441).....	57.46	13.88
08 71 11 00-0464	EA	3" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS444/448).....	55.52	13.88
08 71 11 00-0465	EA	3" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS444/448).....	56.45	13.88
08 71 11 00-0466	EA	3" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS444/448).....	56.45	13.88
08 71 11 00-0467	EA	3" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS444/448).....	56.45	13.88
08 71 11 00-0468	EA	3" Overall Height, Satin Bronze Finish, Brass Floor Stop (Ives FS444/448).....	56.45	13.88
08 71 11 00-0469	EA	3" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS444/448).....	63.64	13.88
08 71 11 00-0470	EA	3" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS444/448).....	63.64	13.88
08 71 11 00-0471	EA	1-5/16" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS430).....	40.88	13.88
08 71 11 00-0472	EA	1-5/16" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS430).....	42.07	13.88
08 71 11 00-0473	EA	1-5/16" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS430).....	44.77	13.88
08 71 11 00-0474	EA	1-5/16" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS430).....	44.77	13.88
08 71 11 00-0475	EA	1-5/16" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS430).....	44.77	13.88
08 71 11 00-0476	EA	1-5/16" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS430).....	45.58	13.88

**08 71 11 00-0477 Steel Floor Stops** (08 71 11 00-0423)

08 71 11 00-0478	EA	2-5/8" Overall Height, Zinc Plated Finish, Wrought Steel Floor Stop (Ives FS434).....	36.21	13.88
08 71 11 00-0479	EA	1-1/2" Overall Height, Grout In, Molded Rubber Security Floor Stop (Ives FS18S).....	80.65	13.88
Note: Includes drilling. Excludes Grout.				
08 71 11 00-0480	EA	3-1/2" Overall Height, Grout In, Molded Rubber Security Floor Stop (Ives FS18L).....	84.44	13.88
Note: Includes drilling. Excludes Grout.				

**08 71 11 00-0481 Wall Stops** (08 71 11 00-0422)
**08 71 11 00-0482 Aluminum Wall Stops** (08 71 11 00-0481)

08 71 11 00-0483	EA	3-3/4" Projection, Residential Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop (Ives 60).....	14.41	5.55
08 71 11 00-0484	EA	3-3/4" Projection, Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop (Ives WS65).....	21.14	8.33

**08 71 11 00-0485 Brass Wall Stops** (08 71 11 00-0481)

08 71 11 00-0486	EA	3-3/4" Projection, Residential Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives 60).....	22.55	5.55
08 71 11 00-0487	EA	3-3/4" Projection, Residential Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives 60).....	22.55	5.55
08 71 11 00-0488	EA	3-3/4" Projection, Residential Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives 60).....	22.55	5.55
08 71 11 00-0489	EA	3-3/4" Projection, Residential Rigid Type, Satin Nickel Finish, Brass Wall Stop (Ives 60).....	26.09	5.55
08 71 11 00-0490	EA	3-3/4" Projection, Residential Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives 60).....	26.43	5.55
08 71 11 00-0491	EA	3-3/4" Projection, Residential Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives 60).....	26.43	5.55
08 71 11 00-0492	EA	3-3/4" Projection, Residential Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives 60).....	26.43	5.55
08 71 11 00-0493	EA	3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS11).....	58.93	8.33
08 71 11 00-0494	EA	3-3/4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives WS11).....	60.18	8.33
08 71 11 00-0495	EA	3-3/4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives WS11).....	60.18	8.33
08 71 11 00-0496	EA	3-3/4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives WS11).....	60.18	8.33
08 71 11 00-0497	EA	3-3/4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives WS11).....	60.18	8.33
08 71 11 00-0498	EA	3-3/4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives WS11).....	60.18	8.33
08 71 11 00-0499	EA	3-3/4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives WS443/447).....	50.13	8.33
08 71 11 00-0500	EA	3-3/4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives WS443/447).....	56.88	8.33
08 71 11 00-0501	EA	3-3/4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives WS443/447).....	56.88	8.33
08 71 11 00-0502	EA	3-3/4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives WS443/447).....	56.88	8.33
08 71 11 00-0503	EA	3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS443/447).....	56.88	8.33
08 71 11 00-0504	EA	3-3/4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives WS443/447).....	58.49	8.33
08 71 11 00-0505	EA	3-3/4" Projection, Rigid Type, Satin Nickel Finish, Brass Wall Stop (Ives WS443/447).....	58.49	8.33
08 71 11 00-0506	EA	3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS33).....	91.84	8.33

**08 71 11 00-0507 Steel Wall Stops** (08 71 11 00-0481)

08 71 11 00-0508	EA	3" Projection, Residential Spring Type, Bright Brass Finish, Steel Wall Stop (Ives 63).....	11.80	5.55
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**08 Openings****08 70 Hardware****08 71 Door Hardware**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 71 11 00-0509		Hinge Pin Door Stops (08 71 11 00-0422)		
08 71 11 00-0510		Aluminum Hinge Pin Door Stops (08 71 11 00-0509)		
08 71 11 00-0511	EA	Satin Aluminum Finish, Aluminum Hinge Pin Door Stop (Ives 70).....	24.25	11.11
08 71 11 00-0512		Brass Hinge Pin Door Stops (08 71 11 00-0509)		
08 71 11 00-0513	EA	Satin Brass Finish, Brass Residential Hinge Pin Door Stop (Ives 72).....	24.64	11.11
08 71 11 00-0514	EA	Satin Brass Finish, Brass Hinge Pin Door Stop (Ives 73).....	27.11	11.11
08 71 11 00-0515	EA	Satin Chrome Finish, Brass Hinge Pin Door Stop (Ives 70).....	33.04	11.11
08 71 11 00-0516	EA	Satin Brass Finish, Brass Hinge Pin Door Stop (Ives 70).....	33.04	11.11
08 71 11 00-0517	EA	Bright Brass Finish, Brass Hinge Pin Door Stop (Ives 70).....	33.04	11.11
08 71 11 00-0518	EA	Bright Chrome Finish, Brass Hinge Pin Door Stop (Ives 70).....	35.82	11.11
08 71 11 00-0519	EA	Satin Bronze Finish, Brass Hinge Pin Door Stop (Ives 70).....	35.82	11.11
08 71 11 00-0520	EA	Dark Bronze Finish, Brass Hinge Pin Door Stop (Ives 70).....	35.82	11.11
08 71 11 00-0521	EA	Satin Nickel Finish, Brass Hinge Pin Door Stop (Ives 70).....	35.82	11.11
08 71 11 00-0522		Wall Bumpers (08 71 11 00-0422)		
08 71 11 00-0523		Brass Wall Bumpers (08 71 11 00-0522)		
08 71 11 00-0524	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Chrome Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	31.64	13.88
08 71 11 00-0525	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Brass Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	31.64	13.88
08 71 11 00-0526	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Brass Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	31.64	13.88
08 71 11 00-0527	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Chrome Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	31.98	13.88
08 71 11 00-0528	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Bronze Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	31.98	13.88
08 71 11 00-0529	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Dark Bronze Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	31.98	13.88
08 71 11 00-0530	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Nickel Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	31.98	13.88
08 71 11 00-0531	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Brass Finish, Cast Brass Wall Bumper (Ives WS401/402).....	43.39	13.88
08 71 11 00-0532	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Chrome Finish, Cast Brass Wall Bumper (Ives WS401/402).....	46.49	13.88
08 71 11 00-0533	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Chrome Finish, Cast Brass Wall Bumper (Ives WS401/402).....	46.49	13.88
08 71 11 00-0534	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Brass Finish, Cast Brass Wall Bumper (Ives WS401/402).....	46.49	13.88
08 71 11 00-0535	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Bronze Finish, Cast Brass Wall Bumper (Ives WS401/402).....	46.49	13.88
08 71 11 00-0536	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Dark Bronze Finish, Cast Brass Wall Bumper (Ives WS401/402).....	46.49	13.88
08 71 11 00-0537	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Nickel Finish, Cast Brass Wall Bumper (Ives WS401/402).....	47.18	13.88
08 71 11 00-0538		Rubber Wall Bumpers (08 71 11 00-0522)		
08 71 11 00-0539	EA	1-7/8" Base Diameter, Adhesive-Backed, Concave Rubber Wall Bumper (Ives WS411R-W).....	30.41	13.88
08 71 11 00-0540		Holders (08 71 11 00-0421)		
08 71 11 00-0541		Plunger Type Door Holders (08 71 11 00-0540)		
08 71 11 00-0542		Aluminum Plunger Type Door Holders (08 71 11 00-0541)		
08 71 11 00-0543	EA	Satin Aluminum Finish, Aluminum Plunger Type Door Holder (Ives FS1153).....	62.01	8.33
08 71 11 00-0544		Brass Plunger Type Door Holders (08 71 11 00-0541)		
08 71 11 00-0545	EA	Satin Chrome Finish, Brass Plunger Type Door Holder (Ives FS1154).....	98.47	8.33
08 71 11 00-0546	EA	Bright Chrome Finish, Brass Plunger Type Door Holder (Ives FS1154).....	98.47	8.33
08 71 11 00-0547	EA	Satin Brass Finish, Brass Plunger Type Door Holder (Ives FS1154).....	98.47	8.33
08 71 11 00-0548	EA	Bright Brass Finish, Brass Plunger Type Door Holder (Ives FS1154).....	98.47	8.33
08 71 11 00-0549	EA	Satin Bronze Finish, Brass Plunger Type Door Holder (Ives FS1154).....	98.47	8.33
08 71 11 00-0550	EA	Dark Bronze Finish, Brass Plunger Type Door Holder (Ives FS1154).....	98.47	8.33
08 71 11 00-0551	EA	Satin Nickel Finish, Brass Plunger Type Door Holder (Ives FS1154).....	98.47	8.33
08 71 11 00-0552		Kick Down Door Holders (08 71 11 00-0540)		
08 71 11 00-0553		Aluminum Kick Down Door Holders (08 71 11 00-0552)		
08 71 11 00-0554	EA	Satin Aluminum Finish, Aluminum Kick Down Door Holder (Ives FS455).....	24.07	8.33
08 71 11 00-0555		Brass Kick Down Door Holders (08 71 11 00-0552)		
08 71 11 00-0556	EA	Satin Brass Finish, Brass Kick Down Door Holder (Ives FS455).....	46.73	8.33
08 71 11 00-0557	EA	Bright Brass Finish, Brass Kick Down Door Holder (Ives FS455).....	46.73	8.33
08 71 11 00-0558	EA	Satin Bronze Finish, Brass Kick Down Door Holder (Ives FS455).....	46.73	8.33
08 71 11 00-0559	EA	Satin Chrome Finish, Brass Kick Down Door Holder (Ives FS455).....	52.65	8.33

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0560	EA		Bright Chrome Finish, Brass Kick Down Door Holder (Ives FS455)	52.65	8.33
08 71 11 00-0561	EA		Dark Bronze Finish, Brass Kick Down Door Holder (Ives FS455)	52.65	8.33
08 71 11 00-0562	EA		Satin Nickel Finish, Brass Kick Down Door Holder (Ives FS455)	54.14	8.33
<b>08 71 11 00-0563</b>			<b>Steel Kick Down Door Holders</b> (08 71 11 00-0562)		
08 71 11 00-0564	EA		Steel Kick Down Door Holder (Ives FS544)	28.64	8.33
<b>08 71 11 00-0565</b>			<b>Floor Mounted Door Holders</b> (08 71 11 00-0540)		
<b>08 71 11 00-0566</b>			<b>Brass Floor Mounted Door Holders</b> (08 71 11 00-0565)		
08 71 11 00-0567	EA		Up To 1/2" Door To Floor Clearance, Satin Chrome Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	91.68	16.66
			For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
			For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
			For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 11 00-0568	EA		Up To 1/2" Door To Floor Clearance, Satin Brass Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	91.68	16.66
			For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
			For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
			For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 11 00-0569	EA		Up To 1/2" Door To Floor Clearance, Bright Chrome Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	111.33	16.66
			For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
			For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
			For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 11 00-0570	EA		Up To 1/2" Door To Floor Clearance, Bright Brass Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	111.33	16.66
			For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
			For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
			For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 11 00-0571	EA		Up To 1/2" Door To Floor Clearance, Satin Bronze Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	111.33	16.66
			For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
			For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
			For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 11 00-0572	EA		Up To 1/2" Door To Floor Clearance, Dark Bronze Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	111.33	16.66
			For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
			For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
			For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
<b>08 71 11 00-0573</b>			<b>Wall Mounted Door Holders</b> (08 71 11 00-0540)		
<b>08 71 11 00-0574</b>			<b>Aluminum Wall Mounted Door Holders</b> (08 71 11 00-0573)		
08 71 11 00-0575	EA		4" Projection, Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop And Manual Door Holder (Ives WS20)	78.49	9.72
08 71 11 00-0576	EA		Wall Mounted, Satin Aluminum Finish, Aluminum Automatic Door Holder (Ives WS40)	116.50	16.66
<b>08 71 11 00-0577</b>			<b>Brass Wall Mounted Door Holders</b> (08 71 11 00-0573)		
08 71 11 00-0578	EA		3-11/16" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	72.54	9.72
08 71 11 00-0579	EA		3-11/16" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	83.20	9.72
08 71 11 00-0580	EA		3-11/16" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	83.20	9.72
08 71 11 00-0581	EA		3-11/16" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	83.20	9.72
08 71 11 00-0582	EA		3-11/16" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	83.20	9.72
08 71 11 00-0583	EA		3-11/16" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	83.20	9.72
08 71 11 00-0584	EA		3-11/16" Projection, Rigid Type, Satin Nickel Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	85.70	9.72
08 71 11 00-0585	EA		4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS20)	81.46	9.72
08 71 11 00-0586	EA		4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS20)	95.99	9.72
08 71 11 00-0587	EA		4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS20)	95.99	9.72
08 71 11 00-0588	EA		4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS20)	95.99	9.72
08 71 11 00-0589	EA		4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS20)	95.99	9.72
08 71 11 00-0590	EA		4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS20)	95.99	9.72
08 71 11 00-0591	EA		Wall Mounted, Satin Chrome Finish, Brass Automatic Door Holder (Ives WS40)	130.99	16.66
08 71 11 00-0592	EA		Wall Mounted, Bright Chrome Finish, Brass Automatic Door Holder (Ives WS40)	137.52	16.66
08 71 11 00-0593	EA		Wall Mounted, Satin Brass Finish, Brass Automatic Door Holder (Ives WS40)	137.52	16.66
08 71 11 00-0594	EA		Wall Mounted, Bright Brass Finish, Brass Automatic Door Holder (Ives WS40)	137.52	16.66
08 71 11 00-0595	EA		Wall Mounted, Satin Bronze Finish, Brass Automatic Door Holder (Ives WS40)	137.52	16.66
08 71 11 00-0596	EA		Wall Mounted, Dark Bronze Finish, Brass Automatic Door Holder (Ives WS40)	137.52	16.66
<b>08 71 11 00-0597</b>			<b>Overhead Door Holders</b> (08 71 11 00-0540)		
<b>08 71 11 00-0598</b>			<b>Surface Mounted, Overhead Door Holders</b> (08 71 11 00-0597)		
08 71 11 00-0599	EA		Surface Mounted, Aluminum Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81)	408.79	27.76
			For Hold Open, Add	42.96	
08 71 11 00-0600	EA		Surface Mounted, Dark Bronze Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81)	463.64	27.76
			For Hold Open, Add	50.88	
08 71 11 00-0601	EA		Surface Mounted, Polished Brass Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81)	463.64	27.76
			For Hold Open, Add	50.88	
08 71 11 00-0602	EA		Surface Mounted, Polished Chrome Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81)	463.64	27.76
			For Hold Open, Add	50.88	
08 71 11 00-0603	EA		Surface Mounted, Stainless Steel Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81)	461.77	27.76
			For Hold Open, Add	50.61	

**08 Openings****08 70 Hardware****08 71 Door Hardware**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 71 11 00-0604		<b>Heavy Duty, Surface Mounted, Overhead Door Holders</b> (08 71 11 00-0597) Note: With or without hold open feature.		
08 71 11 00-0605	EA	Heavy Duty, Surface Mounted, Aluminum Finish, Overhead Door Holder/Stop (Glynn Johnson 90) .....	325.96	27.76
08 71 11 00-0606	EA	Heavy Duty, Surface Mounted, Stainless Steel Finish, Overhead Door Holder/Stop (Glynn Johnson 90).....	456.92	27.76
08 71 11 00-0607	EA	Heavy Duty, Surface Mounted, Dark Bronze Finish, Overhead Door Holder/Stop (Glynn Johnson 90) .....	514.01	27.76
08 71 11 00-0608	EA	Heavy Duty, Surface Mounted, Polished Brass Finish, Overhead Door Holder/Stop (Glynn Johnson 90) .....	514.01	27.76
08 71 11 00-0609	EA	Heavy Duty, Surface Mounted, Polished Chrome Finish, Overhead Door Holder/Stop (Glynn Johnson 90).....	514.01	27.76
08 71 11 00-0610		<b>Concealed Mounted, Overhead Door Holders</b> (08 71 11 00-0597) Note: With or without hold open feature.		
08 71 11 00-0611	EA	Concealed Mounted, Aluminum Finish, Overhead Door Holder/Stop (Glynn Johnson 100) .....	443.12	27.76
08 71 11 00-0612	EA	Concealed Mounted, Stainless Steel Finish, Overhead Door Holder/Stop (Glynn Johnson 100) .....	443.12	27.76
08 71 11 00-0613	EA	Concealed Mounted, Dark Bronze Finish, Overhead Door Holder/Stop (Glynn Johnson 100) .....	465.50	27.76
08 71 11 00-0614	EA	Concealed Mounted, Polished Brass Finish, Overhead Door Holder/Stop (Glynn Johnson 100) .....	484.53	27.76
08 71 11 00-0615	EA	Concealed Mounted, Polished Chrome Finish, Overhead Door Holder/Stop (Glynn Johnson 100) .....	484.53	27.76
08 71 11 00-0616		<b>Silencers</b> (08 71 11 00-0421)		
08 71 11 00-0617	EA	Replacement Of Rubber Door Silencers.....	1.64	
		Note: For repair / maintenance only. This task is not to be used in conjunction with new door or frame installations.		
08 71 11 00-0618		<b>Bolts</b> (08 71 11 00-0421)		
08 71 11 00-0619		<b>Brass Surface Bolts</b> (08 71 11 00-0618)		
08 71 11 00-0620	EA	8" Length, Satin Chrome Finish, Brass Surface Bolt With Strike (Ives SB1640).....	131.19	13.88
08 71 11 00-0621	EA	8" Length, Bright Brass Finish, Brass Surface Bolt With Strike (Ives SB1640).....	139.81	13.88
08 71 11 00-0622	EA	8" Length, Dark Bronze Finish, Brass Surface Bolt With Strike (Ives SB1640).....	139.81	13.88
08 71 11 00-0623		<b>Steel Surface Bolts</b> (08 71 11 00-0618)		
08 71 11 00-0624	EA	8" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB453).....	64.40	13.88
08 71 11 00-0625	EA	8" Length, Bright Brass Finish, Steel Surface Bolt With Strike (Ives SB453).....	64.40	13.88
08 71 11 00-0626	EA	8" Length, Satin Brass Finish, Steel Surface Bolt With Strike (Ives SB453).....	64.40	13.88
08 71 11 00-0627	EA	8" Length, Satin Bronze Finish, Steel Surface Bolt With Strike (Ives SB453).....	71.94	13.88
08 71 11 00-0628	EA	8" Length, Satin Chrome Finish, Steel Surface Bolt With Strike (Ives SB453).....	73.02	13.88
08 71 11 00-0629	EA	8" Length, Dark Bronze Finish, Steel Surface Bolt With Strike (Ives SB453).....	75.16	13.88
08 71 11 00-0630	EA	12" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB453).....	74.08	13.88
08 71 11 00-0631	EA	12" Length, Satin Bronze Finish, Steel Surface Bolt With Strike (Ives SB453).....	77.33	13.88
08 71 11 00-0632	EA	12" Length, Dark Bronze Finish, Steel Surface Bolt With Strike (Ives SB453).....	81.64	13.88
08 71 11 00-0633	EA	12" Length, Satin Chrome Finish, Steel Surface Bolt With Strike (Ives SB453).....	84.87	13.88
08 71 11 00-0634	EA	12" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB360).....	127.96	13.88
08 71 11 00-0635		<b>Door Viewer</b> (08 71 11 00-0421)		
08 71 11 00-0636		<b>Brass Door Viewer</b> (08 71 11 00-0635)		
08 71 11 00-0637	EA	120 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Door Viewer (Ives U700).....	38.04	13.88
08 71 11 00-0638	EA	120 Degree Angle Of View, Satin Brass Finish, Brass One-Way Door Viewer (Ives U700) .....	38.04	13.88
08 71 11 00-0639	EA	120 Degree Angle Of View, Dark Bronze Finish, Brass One-Way Door Viewer (Ives U700).....	38.04	13.88
08 71 11 00-0640	EA	150 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Door Viewer (Ives U696).....	42.85	13.88
08 71 11 00-0641	EA	150 Degree Angle Of View, Dark Bronze Finish, Brass One-Way Door Viewer (Ives U696).....	42.85	13.88
08 71 11 00-0642	EA	150 Degree Angle Of View, Satin Brass Finish, Brass One-Way Door Viewer (Ives U696) .....	42.85	13.88
08 71 11 00-0643	EA	190 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Wide Angle Door Viewer (Ives U698).....	48.79	13.88
08 71 11 00-0644	EA	190 Degree Angle Of View, Bright Brass Finish, Brass One-Way Wide Angle Door Viewer (Ives U698).....	48.79	13.88
08 71 11 00-0645		<b>Door Knockers</b> (08 71 11 00-0421)		
08 71 11 00-0646		<b>Brass Door Knockers</b> (08 71 11 00-0645)		
08 71 11 00-0647	EA	5-15/16" Length, 3" Width, Bright Brass Finish, Brass Door Knocker (Ives 3125) .....	52.89	13.88
08 71 11 00-0648	EA	5-15/16" Length, 3" Width, Satin Chrome Finish, Brass Door Knocker (Ives 3125) .....	57.46	13.88
08 71 11 00-0649	EA	5-15/16" Length, 3" Width, Bright Chrome Finish, Brass Door Knocker (Ives 3125).....	57.46	13.88
08 71 11 00-0650	EA	5-15/16" Length, 3" Width, Satin Nickel Finish, Brass Door Knocker (Ives 3125).....	57.46	13.88
08 71 11 00-0651	EA	8-1/2" Length, 4-1/8" Width, Bright Brass Finish, Brass Door Knocker (Ives 3107) .....	74.81	13.88
08 71 11 00-0652	EA	8-1/2" Length, 4-1/8" Width, Satin Nickel Finish, Brass Door Knocker (Ives 3107).....	85.84	13.88
08 71 11 00-0653		<b>Hasps</b> (08 71 11 00-0421)		
08 71 11 00-0654	EA	3-1/4", Zinc Plated Finish, Steel Hasp Assembly.....	27.19	10.47
08 71 11 00-0655	EA	4-1/2", Zinc Plated Finish, Steel Hasp Assembly.....	28.93	11.11
08 71 11 00-0656	EA	6", Zinc Plated Finish, Steel Hasp Assembly .....	35.91	12.50
08 71 11 00-0657	EA	6", Zinc Plated Finish, Steel High Security Hasp Assembly.....	124.75	14.99
08 71 11 00-0658		<b>Flush Bolts</b> (08 71 11 00-0421)		
08 71 11 00-0659		<b>Flush Bolts For Metal Doors</b> (08 71 11 00-0658)		
08 71 11 00-0660		<b>Brass Flush Bolts For Metal Doors</b> (08 71 11 00-0659)		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0661		<b>Manual, Brass Flush Bolts For Metal Doors</b> (08 71 11 00-0660) Note: Includes brass construction with bright brass, satin brass, satin bronze, dark bronze, satin nickel, bright chrome or satin chrome finish.		
08 71 11 00-0662	EA	Top Or Bottom Bolt, Manual, Brass Flush Bolt For Metal Doors (Ives FB457/458) .....	51.47	13.88
08 71 11 00-0663		<b>Automatic, Brass Flush Bolts For Metal Doors</b> (08 71 11 00-0660) Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0664	EA	Top Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31T) .....	113.73	13.88
08 71 11 00-0665	EA	Bottom Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31B) .....	113.73	13.88
08 71 11 00-0666	EA	Top And Bottom Bolt, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31P) .....	207.32	22.20
08 71 11 00-0667	EA	Top Bolt With Auxiliary Fire Latch, Automatic, Brass Flush Bolt For Metal Doors (Ives FB32) .....	201.77	19.43
08 71 11 00-0668	EA	Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Automatic, Brass Flush Bolt For Metal Doors (Ives FB33) .....	209.94	20.82
08 71 11 00-0669		<b>Constant Latching, Brass Flush Bolts For Metal Doors</b> (08 71 11 00-0660) Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0670	EA	Top Bolt Only, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB51T) .....	112.78	13.88
08 71 11 00-0671	EA	Top And Bottom Bolt, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB51P) .....	207.32	22.20
08 71 11 00-0672	EA	Top Bolt With Auxiliary Fire Latch, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB52) .....	201.77	19.43
08 71 11 00-0673	EA	Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB53) .....	209.94	20.82
08 71 11 00-0674		<b>Stainless Steel Flush Bolts For Metal Doors</b> (08 71 11 00-0659)		
08 71 11 00-0675		<b>Automatic, Stainless Steel Flush Bolts For Metal Doors</b> (08 71 11 00-0674) Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0676	EA	Top Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31T) .....	113.73	13.88
08 71 11 00-0677	EA	Bottom Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31B) .....	113.73	13.88
08 71 11 00-0678	EA	Top And Bottom Bolt, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31P) .....	207.32	22.20
08 71 11 00-0679	EA	Top Bolt With Auxiliary Fire Latch, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB32) .....	201.77	19.43
08 71 11 00-0680	EA	Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB33) .....	209.94	20.82
08 71 11 00-0681		<b>Constant Latching, Stainless Steel Flush Bolts For Metal Doors</b> (08 71 11 00-0674) Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0682	EA	Top Bolt Only, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB51T) .....	112.78	13.88
08 71 11 00-0683	EA	Top And Bottom Bolt, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB51P) .....	207.32	22.20
08 71 11 00-0684	EA	Top Bolt With Auxiliary Fire Latch, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB52) .....	201.77	19.43
08 71 11 00-0685	EA	Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB53) .....	209.94	20.82
08 71 11 00-0686		<b>Flush Bolts For Wood Doors</b> (08 71 11 00-0658)		
08 71 11 00-0687		<b>Brass Flush Bolts For Wood Doors</b> (08 71 11 00-0686)		
08 71 11 00-0688		<b>Manual, Brass Flush Bolts For Wood Doors</b> (08 71 11 00-0687) Note: Includes brass construction with bright brass, satin brass, satin bronze, dark bronze, satin nickel, bright chrome or satin chrome finish.		
08 71 11 00-0689	EA	Top Or Bottom Bolt, Manual, Brass Flush Bolt For Wood Doors (Ives FB358) .....	59.53	13.88
08 71 11 00-0690		<b>Automatic, Brass Flush Bolts For Wood Doors</b> (08 71 11 00-0687) Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0691	EA	Top Bolt Only, Automatic, Brass Flush Bolt For Wood Doors (Ives FB41T) .....	117.92	13.88
08 71 11 00-0692	EA	Bottom Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB41B) .....	117.92	13.88
08 71 11 00-0693	EA	Top And Bottom Bolt, Automatic, Brass Flush Bolt For Wood Doors (Ives FB41P) .....	216.37	22.20
08 71 11 00-0694	EA	Top Bolt With Auxiliary Fire Latch, Automatic, Brass Flush Bolt For Wood Doors (Ives FB42) .....	210.82	19.43
08 71 11 00-0695		<b>Constant Latching, Brass Flush Bolts For Wood Doors</b> (08 71 11 00-0687) Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0696	EA	Top Bolt Only, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB61T) .....	117.08	13.88
08 71 11 00-0697	EA	Top And Bottom Bolt, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB61P) .....	216.37	22.20
08 71 11 00-0698	EA	Top Bolt With Auxiliary Fire Latch, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB62) .....	210.82	19.43
08 71 11 00-0699		<b>Stainless Steel Flush Bolts For Wood Doors</b> (08 71 11 00-0686)		
08 71 11 00-0700		<b>Automatic, Stainless Steel Flush Bolts For Wood Doors</b> (08 71 11 00-0699) Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0701	EA	Top Bolt Only, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB41T) .....	117.92	13.88
08 71 11 00-0702	EA	Bottom Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB41B) .....	117.92	13.88
08 71 11 00-0703	EA	Top And Bottom Bolt, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB41P) .....	216.37	22.20
08 71 11 00-0704	EA	Top Bolt With Auxiliary Fire Latch, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB42) .....	210.82	19.43
08 71 11 00-0705		<b>Constant Latching, Stainless Steel Flush Bolts For Wood Doors</b> (08 71 11 00-0699) Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0706	EA	Top Bolt Only, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB61T) .....	117.08	13.88
08 71 11 00-0707	EA	Top And Bottom Bolt, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB61P) .....	216.37	22.20
08 71 11 00-0708	EA	Top Bolt With Auxiliary Fire Latch, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB62) .....	210.82	19.43

**08 Openings****08 70 Hardware****08 71 Door Hardware**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

		TOTAL DIRECT DEMOLITION UNIT COST UNIT COST	
<b>08 71 11 00-0709 Dust Proof Strikes (08 71 11 00-0658)</b>			
08 71 11 00-0710	EA	Satin Brass Finish, Brass Dust Proof Strike (Ives DP1).....	45.26 11.11
08 71 11 00-0711	EA	Satin Chrome Finish, Brass Dust Proof Strike (Ives DP1).....	45.26 11.11
08 71 11 00-0712	EA	Bright Brass Finish, Brass Dust Proof Strike (Ives DP1).....	45.26 11.11
08 71 11 00-0713	EA	Satin Bronze Finish, Brass Dust Proof Strike (Ives DP1).....	45.26 11.11
08 71 11 00-0714	EA	Dark Bronze Finish, Brass Dust Proof Strike (Ives DP1).....	45.26 11.11
08 71 11 00-0715	EA	Satin Bronze Finish, Brass Dust Proof Strike With Plate (Ives DP2).....	51.28 11.11
08 71 11 00-0716	EA	Satin Chrome Finish, Brass Dust Proof Strike With Plate (Ives DP2).....	51.28 11.11
08 71 11 00-0717	EA	Satin Brass Finish, Brass Dust Proof Strike With Plate (Ives DP2).....	51.28 11.11
08 71 11 00-0718	EA	Bright Brass Finish, Brass Dust Proof Strike With Plate (Ives DP2).....	51.28 11.11
08 71 11 00-0719	EA	Dark Bronze Finish, Brass Dust Proof Strike With Plate (Ives DP2).....	51.28 11.11
<b>08 71 11 00-0720 Roller Bumpers (08 71 11 00-0421)</b>			
<b>08 71 11 00-0721 Brass Roller Bumpers (08 71 11 00-0720)</b>			
08 71 11 00-0722	EA	5" Length, Bright Brass Finish, Brass Offset Arm Roller Bumper (Ives RB470).....	45.58 8.33
08 71 11 00-0723	EA	5" Length, Satin Chrome Finish, Brass Offset Arm Roller Bumper (Ives RB470).....	52.78 8.33
08 71 11 00-0724	EA	5" Length, Bright Chrome Finish, Brass Offset Arm Roller Bumper (Ives RB470).....	52.78 8.33
08 71 11 00-0725	EA	4-1/2" Length, Bright Brass Finish, Brass Straight Arm Roller Bumper (Ives RB471).....	43.95 8.33
08 71 11 00-0726	EA	4-1/2" Length, Satin Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB471).....	49.44 8.33
08 71 11 00-0727	EA	4-1/2" Length, Bright Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB471).....	49.44 8.33
08 71 11 00-0728	EA	4-1/2" Length, Satin Brass Finish, Brass Straight Arm Roller Bumper (Ives RB471).....	49.44 8.33
08 71 11 00-0729	EA	6" Length, Bright Brass Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	45.69 8.33
08 71 11 00-0730	EA	6" Length, Satin Nickel Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	49.57 8.33
08 71 11 00-0731	EA	6" Length, Satin Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	51.40 8.33
08 71 11 00-0732	EA	6" Length, Bright Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	51.40 8.33
08 71 11 00-0733	EA	6" Length, Satin Brass Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	51.40 8.33
08 71 11 00-0734	EA	6" Length, Satin Bronze Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	51.40 8.33
08 71 11 00-0735	EA	6" Length, Dark Bronze Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	51.40 8.33
<b>08 71 11 00-0736 Other Door Trim (08 71 11 00-0421)</b>			
<b>08 71 11 00-0737 Coat And Hat Hooks (08 71 11 00-0736)</b>			
<b>08 71 11 00-0738 Aluminum Coat And Hat Hooks (08 71 11 00-0737)</b>			
08 71 11 00-0739	EA	1-1/4" Height, 1-1/4" Width, Bright Brass Finish, Aluminum Wardrobe Hook (Ives 581).....	18.83 8.33
08 71 11 00-0740	EA	1-1/4" Height, 1-1/4" Width, Aluminum Finish, Aluminum Wardrobe Hook (Ives 581).....	18.83 8.33
08 71 11 00-0741	EA	1-1/4" Height, 1-1/4" Width, Satin Nickel Finish, Aluminum Wardrobe Hook (Ives 581).....	18.96 8.33
08 71 11 00-0742	EA	1-3/4" Height, 1-1/4" Width, Satin Bronze Finish, Aluminum Coat And Hat Hook (Ives 571).....	18.74 8.33
08 71 11 00-0743	EA	1-3/4" Height, 1-1/4" Width, Bright Brass Finish, Aluminum Coat And Hat Hook (Ives 571).....	18.74 8.33
08 71 11 00-0744	EA	1-3/4" Height, 1-1/4" Width, Aluminum Finish, Aluminum Coat And Hat Hook (Ives 571).....	18.74 8.33
08 71 11 00-0745	EA	1-3/4" Height, 1-1/4" Width, Satin Nickel Finish, Aluminum Coat And Hat Hook (Ives 571).....	18.96 8.33
08 71 11 00-0746	EA	1-1/2" Height, 2-1/2" Width, Satin Brass Finish, Aluminum Coat And Hat Hook (Ives 405).....	19.64 8.33
08 71 11 00-0747	EA	1-1/2" Height, 2-1/2" Width, Bright Brass Finish, Aluminum Coat And Hat Hook (Ives 405).....	19.64 8.33
08 71 11 00-0748	EA	1-1/2" Height, 2-1/2" Width, Satin Bronze Finish, Aluminum Coat And Hat Hook (Ives 405).....	19.64 8.33
08 71 11 00-0749	EA	1-1/2" Height, 2-1/2" Width, Dark Bronze Finish, Aluminum Coat And Hat Hook (Ives 405).....	19.64 8.33
08 71 11 00-0750	EA	1-1/2" Height, 2-1/2" Width, Aluminum Finish, Aluminum Coat And Hat Hook (Ives 405).....	19.64 8.33
<b>08 71 11 00-0751 Brass Coat And Hat Hooks (08 71 11 00-0737)</b>			
08 71 11 00-0752	EA	1-1/4" Height, 1-1/4" Width, Bright Brass Finish, Brass Wardrobe Hook (Ives 581).....	22.49 8.33
08 71 11 00-0753	EA	1-1/4" Height, 1-1/4" Width, Satin Brass Finish, Brass Wardrobe Hook (Ives 581).....	22.84 8.33
08 71 11 00-0754	EA	1-1/4" Height, 1-1/4" Width, Dark Bronze Finish, Brass Wardrobe Hook (Ives 581).....	23.40 8.33
08 71 11 00-0755	EA	1-1/4" Height, 1-1/4" Width, Satin Chrome Finish, Brass Wardrobe Hook (Ives 581).....	23.40 8.33
08 71 11 00-0756	EA	1-1/4" Height, 1-1/4" Width, Satin Nickel Finish, Brass Wardrobe Hook (Ives 581).....	23.76 8.33
08 71 11 00-0757	EA	1-3/4" Height, 1-1/4" Width, Bright Brass Finish, Brass Coat And Hat Hook (Ives 571).....	24.90 8.33
08 71 11 00-0758	EA	1-3/4" Height, 1-1/4" Width, Satin Brass Finish, Brass Coat And Hat Hook (Ives 571).....	26.50 8.33
08 71 11 00-0759	EA	1-3/4" Height, 1-1/4" Width, Dark Bronze Finish, Brass Coat And Hat Hook (Ives 571).....	26.50 8.33
08 71 11 00-0760	EA	1-3/4" Height, 1-1/4" Width, Satin Chrome Finish, Brass Coat And Hat Hook (Ives 571).....	26.50 8.33
08 71 11 00-0761	EA	1-3/4" Height, 1-1/4" Width, Satin Nickel Finish, Brass Coat And Hat Hook (Ives 571).....	26.86 8.33
<b>08 71 11 00-0762 Door Plates And Pulls (08 71 11)</b>			
<b>08 71 11 00-0763 Kick Plate (08 71 11 00-0762)</b>			
Note: Ives 8400.			
<b>08 71 11 00-0764 Aluminum Base Material Kick Plate (08 71 11 00-0763)</b>			
<b>08 71 11 00-0765 Satin Aluminum Finish, Aluminum Kick Plate (08 71 11 00-0764)</b>			
08 71 11 00-0766	EA	8" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	50.15 8.33
		For Four Beveled Edges, Add	1.76
		For UL Label (Fire Rated), Add	11.40
08 71 11 00-0767	EA	8" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	51.70 8.33
		For Four Beveled Edges, Add	1.76
		For UL Label (Fire Rated), Add	11.40
08 71 11 00-0768	EA	8" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	53.21 8.33
		For Four Beveled Edges, Add	1.76
		For UL Label (Fire Rated), Add	11.40
08 71 11 00-0769	EA	8" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	54.75 8.33
		For Four Beveled Edges, Add	1.76
		For UL Label (Fire Rated), Add	11.40
08 71 11 00-0770	EA	8" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	58.53 8.88
		For Four Beveled Edges, Add	1.76
		For UL Label (Fire Rated), Add	11.40



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0771	EA		8" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	60.03 1.76 11.40	8.88
08 71 11 00-0772	EA		8" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	63.09 1.76 11.40	8.88
08 71 11 00-0773	EA		8" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	63.09 1.76 11.40	8.88
08 71 11 00-0774	EA		8" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	66.84 1.76 11.40	9.44
08 71 11 00-0775	EA		8" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	68.37 1.76 11.40	9.44
08 71 11 00-0776	EA		8" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	69.89 1.76 11.40	9.44
08 71 11 00-0777	EA		8" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	73.67 1.76 11.40	9.99
08 71 11 00-0778	EA		8" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	75.20 1.76 11.40	9.99
08 71 11 00-0779	EA		8" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	76.72 1.76 11.40	9.99
08 71 11 00-0780	EA		10" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	54.38 1.76 11.40	8.33
08 71 11 00-0781	EA		10" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	56.30 1.76 11.40	8.33
08 71 11 00-0782	EA		10" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	58.18 1.76 11.40	8.33
08 71 11 00-0783	EA		10" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	60.11 1.76 11.40	8.33
08 71 11 00-0784	EA		10" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	64.26 1.76 11.40	8.88
08 71 11 00-0785	EA		10" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	66.16 1.76 11.40	8.88
08 71 11 00-0786	EA		10" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	68.08 1.76 11.40	8.88
08 71 11 00-0787	EA		10" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	69.99 1.76 11.40	8.88
08 71 11 00-0788	EA		10" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	74.12 1.76 11.40	9.44
08 71 11 00-0789	EA		10" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	76.02 1.76 11.40	9.44
08 71 11 00-0790	EA		10" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	77.94 1.76 11.40	9.44
08 71 11 00-0791	EA		10" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	82.10 1.76 11.40	9.99
08 71 11 00-0792	EA		10" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	83.98 1.76 11.40	9.99
08 71 11 00-0793	EA		10" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	85.90 1.76 11.40	9.99
08 71 11 00-0794	EA		12" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	58.59 1.76 11.40	8.33
08 71 11 00-0795	EA		12" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	60.86 1.76 11.40	8.33
08 71 11 00-0796	EA		12" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	63.19 1.76 11.40	8.33
08 71 11 00-0797	EA		12" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	65.45 1.76 11.40	8.33
08 71 11 00-0798	EA		12" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	69.99 1.76 11.40	8.88
08 71 11 00-0799	EA		12" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	72.28 1.76 11.40	8.88
08 71 11 00-0800	EA		12" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	74.57 1.76 11.40	8.88

## 08 Openings

## 08 70 Hardware

## 08 71 Door Hardware

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	11	00-0801	EA 12" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	76.88	8.88
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71	11	00-0802	EA 12" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	81.38	9.44
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71	11	00-0803	EA 12" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	83.67	9.44
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71	11	00-0804	EA 12" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	85.98	9.44
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71	11	00-0805	EA 12" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	90.50	9.99
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71	11	00-0806	EA 12" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	92.80	9.99
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71	11	00-0807	EA 12" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	95.11	9.99
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71	11	00-0808	EA 14" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	65.00	8.88
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71	11	00-0809	EA 14" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	67.68	8.88
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71	11	00-0810	EA 14" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	70.39	8.88
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71	11	00-0811	EA 14" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	73.07	8.88
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71	11	00-0812	EA 14" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	77.94	9.44
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71	11	00-0813	EA 14" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	80.62	9.44
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71	11	00-0814	EA 14" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	83.30	9.44
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71	11	00-0815	EA 14" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	85.98	9.44
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71	11	00-0816	EA 14" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	90.89	9.99
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71	11	00-0817	EA 14" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	93.55	9.99
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71	11	00-0818	EA 14" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	96.23	9.99
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71	11	00-0819	EA 14" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	101.12	10.55
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71	11	00-0820	EA 14" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	103.82	10.55
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71	11	00-0821	EA 14" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	106.50	10.55
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71	11	00-0822	EA 16" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	69.23	8.88
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71	11	00-0823	EA 16" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	72.28	8.88
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71	11	00-0824	EA 16" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	75.36	8.88
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71	11	00-0825	EA 16" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	78.41	8.88
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71	11	00-0826	EA 16" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	80.62	9.44
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71	11	00-0827	EA 16" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	86.76	9.44
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71	11	00-0828	EA 16" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	89.83	9.44
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71	11	00-0829	EA 16" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	92.88	9.44
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71	11	00-0830	EA 16" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	98.16	9.99
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0831	EA		16" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	101.24 1.76 11.40	9.99
08 71 11 00-0832	EA		16" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	104.29 1.76 11.40	9.99
08 71 11 00-0833	EA		16" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	109.55 1.76 11.40	10.55
08 71 11 00-0834	EA		16" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	112.62 1.76 11.40	10.55
08 71 11 00-0835	EA		16" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	115.70 1.76 11.40	10.55
08 71 11 00-0836	EA		18" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	75.86 6.30 11.40	8.88
08 71 11 00-0837	EA		18" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	79.52 6.30 11.40	8.88
08 71 11 00-0838	EA		18" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	83.19 6.30 11.40	8.88
08 71 11 00-0839	EA		18" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	86.86 6.30 11.40	8.88
08 71 11 00-0840	EA		18" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	92.72 6.30 11.40	9.44
08 71 11 00-0841	EA		18" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	96.38 6.30 11.40	9.44
08 71 11 00-0842	EA		18" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	100.05 6.30 11.40	9.44
08 71 11 00-0843	EA		18" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	103.72 6.30 11.40	9.44
08 71 11 00-0844	EA		18" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	109.61 6.30 11.40	9.99
08 71 11 00-0845	EA		18" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	113.28 6.30 11.40	9.99
08 71 11 00-0846	EA		18" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	116.95 6.30 11.40	9.99
08 71 11 00-0847	EA		18" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	122.83 6.30 11.40	10.55
08 71 11 00-0848	EA		18" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	126.49 6.30 11.40	10.55
08 71 11 00-0849	EA		18" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	130.16 6.30 11.40	10.55
08 71 11 00-0850	EA		20" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	82.55 6.30 11.40	9.44
08 71 11 00-0851	EA		20" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	86.62 6.30 11.40	9.44
08 71 11 00-0852	EA		20" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	90.69 6.30 11.40	9.44
08 71 11 00-0853	EA		20" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	94.76 6.30 11.40	9.44
08 71 11 00-0854	EA		20" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	101.06 6.30 11.40	9.99
08 71 11 00-0855	EA		20" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	105.14 6.30 11.40	9.99
08 71 11 00-0856	EA		20" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	109.21 6.30 11.40	9.99
08 71 11 00-0857	EA		20" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	113.28 6.30 11.40	9.99
08 71 11 00-0858	EA		20" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	119.56 6.30 11.40	10.55
08 71 11 00-0859	EA		20" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	123.64 6.30 11.40	10.55
08 71 11 00-0860	EA		20" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	127.71 6.30 11.40	10.55

## 08 Openings

## 08 70 Hardware

## 08 71 Door Hardware

MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

08 71 11 00-0861	EA 20" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	134.01	11.11
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0862	EA 20" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	138.08	11.11
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0863	EA 20" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	142.16	11.11
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0864	EA 22" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	87.02	9.44
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0865	EA 22" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	91.50	9.44
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0866	EA 22" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	95.98	9.44
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0867	EA 22" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	100.46	9.44
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0868	EA 22" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	107.18	9.99
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0869	EA 22" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	111.66	9.99
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0870	EA 22" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	116.14	9.99
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0871	EA 22" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	120.62	9.99
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0872	EA 22" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	127.30	10.55
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0873	EA 22" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	131.78	10.55
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0874	EA 22" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	136.26	10.55
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0875	EA 22" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	142.97	11.11
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0876	EA 22" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	147.44	11.11
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0877	EA 22" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	151.92	11.11
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0878	EA 24" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	91.50	9.44
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0879	EA 24" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	96.38	9.44
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0880	EA 24" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	101.28	9.44
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0881	EA 24" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	106.17	9.44
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0882	EA 24" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	113.28	9.99
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0883	EA 24" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	118.16	9.99
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0884	EA 24" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	123.05	9.99
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0885	EA 24" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	127.95	9.99
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0886	EA 24" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	135.04	10.55
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0887	EA 24" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	139.93	10.55
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0888	EA 24" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	144.81	10.55
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0889	EA 24" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	151.92	11.11
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0890	EA 24" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	156.82	11.11
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0891	EA		24" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	161.71 6.30 11.40	11.11
<b>08 71 11 00-0892</b>			<b>Brass Base Material Kick Plate</b> (08 71 11 00-0763)		
<b>08 71 11 00-0893</b>			<b>Bright/Satin Brass Finish, Brass Kick Plate</b> (08 71 11 00-0892)		
08 71 11 00-0894	EA		8" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	89.30 1.76 11.40	8.33
08 71 11 00-0895	EA		8" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	94.38 1.76 11.40	8.33
08 71 11 00-0896	EA		8" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	99.49 1.76 11.40	8.33
08 71 11 00-0897	EA		8" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	104.57 1.76 11.40	8.33
08 71 11 00-0898	EA		8" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	111.88 1.76 11.40	8.88
08 71 11 00-0899	EA		8" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	117.00 1.76 11.40	8.88
08 71 11 00-0900	EA		8" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	122.09 1.76 11.40	8.88
08 71 11 00-0901	EA		8" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	127.17 1.76 11.40	8.88
08 71 11 00-0902	EA		8" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	134.46 1.76 11.40	9.44
08 71 11 00-0903	EA		8" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	139.55 1.76 11.40	9.44
08 71 11 00-0904	EA		8" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	144.63 1.76 11.40	9.44
08 71 11 00-0905	EA		8" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	151.94 1.76 11.40	9.99
08 71 11 00-0906	EA		8" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	157.06 1.76 11.40	9.99
08 71 11 00-0907	EA		8" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	162.15 1.76 11.40	9.99
08 71 11 00-0908	EA		10" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	103.31 1.76 11.40	8.33
08 71 11 00-0909	EA		10" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	109.65 1.76 11.40	8.33
08 71 11 00-0910	EA		10" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	116.03 1.76 11.40	8.33
08 71 11 00-0911	EA		10" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	122.39 1.76 11.40	8.33
08 71 11 00-0912	EA		10" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	130.96 1.76 11.40	8.88
08 71 11 00-0913	EA		10" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	137.34 1.76 11.40	8.88
08 71 11 00-0914	EA		10" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	143.71 1.76 11.40	8.88
08 71 11 00-0915	EA		10" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	150.07 1.76 11.40	8.88
08 71 11 00-0916	EA		10" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	158.62 1.76 11.40	9.44
08 71 11 00-0917	EA		10" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	165.00 1.76 11.40	9.44
08 71 11 00-0918	EA		10" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	171.38 1.76 11.40	9.44
08 71 11 00-0919	EA		10" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	179.95 1.76 11.40	9.99
08 71 11 00-0920	EA		10" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	186.32 1.76 11.40	9.99

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 71 11 00-0921	EA 10" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	192.68 1.76 11.40	9.99
08 71 11 00-0922	EA 12" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	117.27 1.76 11.40	8.33
08 71 11 00-0923	EA 12" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	124.94 1.76 11.40	8.33
08 71 11 00-0924	EA 12" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	132.56 1.76 11.40	8.33
08 71 11 00-0925	EA 12" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	140.19 1.76 11.40	8.33
08 71 11 00-0926	EA 12" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	150.07 1.76 11.40	8.88
08 71 11 00-0927	EA 12" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	157.71 1.76 11.40	8.88
08 71 11 00-0928	EA 12" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	165.34 1.76 11.40	8.88
08 71 11 00-0929	EA 12" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	172.96 1.76 11.40	8.88
08 71 11 00-0930	EA 12" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	182.84 1.76 11.40	9.44
08 71 11 00-0931	EA 12" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	190.45 1.76 11.40	9.44
08 71 11 00-0932	EA 12" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	198.09 1.76 11.40	9.44
08 71 11 00-0933	EA 12" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	207.95 1.76 11.40	9.99
08 71 11 00-0934	EA 12" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	215.57 1.76 11.40	9.99
08 71 11 00-0935	EA 12" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	223.24 1.76 11.40	9.99
08 71 11 00-0936	EA 14" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	133.53 1.76 11.40	8.88
08 71 11 00-0937	EA 14" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	142.42 1.76 11.40	8.88
08 71 11 00-0938	EA 14" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	151.33 1.76 11.40	8.88
08 71 11 00-0939	EA 14" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	160.26 1.76 11.40	8.88
08 71 11 00-0940	EA 14" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	171.38 1.76 11.40	9.44
08 71 11 00-0941	EA 14" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	180.29 1.76 11.40	9.44
08 71 11 00-0942	EA 14" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	189.18 1.76 11.40	9.44
08 71 11 00-0943	EA 14" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	198.09 1.76 11.40	9.44
08 71 11 00-0944	EA 14" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	209.23 1.76 11.40	9.99
08 71 11 00-0945	EA 14" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	218.14 1.76 11.40	9.99
08 71 11 00-0946	EA 14" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	227.03 1.76 11.40	9.99
08 71 11 00-0947	EA 14" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	238.15 1.76 11.40	10.55
08 71 11 00-0948	EA 14" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	247.08 1.76 11.40	10.55
08 71 11 00-0949	EA 14" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	255.99 1.76 11.40	10.55
08 71 11 00-0950	EA 16" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	183.07 1.76 11.40	8.88

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0951	EA		16" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	196.52 1.76 11.40	8.88
08 71 11 00-0952	EA		16" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	209.92 1.76 11.40	8.88
08 71 11 00-0953	EA		16" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	223.32 1.76 11.40	8.88
08 71 11 00-0954	EA		16" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	238.93 1.76 11.40	9.44
08 71 11 00-0955	EA		16" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	252.36 1.76 11.40	9.44
08 71 11 00-0956	EA		16" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	265.79 1.76 11.40	9.44
08 71 11 00-0957	EA		16" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	279.16 1.76 11.40	9.44
08 71 11 00-0958	EA		16" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	294.83 1.76 11.40	9.99
08 71 11 00-0959	EA		16" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	308.26 1.76 11.40	9.99
08 71 11 00-0960	EA		16" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	321.67 1.76 11.40	9.99
08 71 11 00-0961	EA		16" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	337.27 1.76 11.40	10.55
08 71 11 00-0962	EA		16" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	350.68 1.76 11.40	10.55
08 71 11 00-0963	EA		16" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	364.11 1.76 11.40	10.55
08 71 11 00-0964	EA		18" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	201.23 6.30 11.40	8.88
08 71 11 00-0965	EA		18" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	216.28 6.30 11.40	8.88
08 71 11 00-0966	EA		18" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	231.32 6.30 11.40	8.88
08 71 11 00-0967	EA		18" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	246.41 6.30 11.40	8.88
08 71 11 00-0968	EA		18" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	263.68 6.30 11.40	9.44
08 71 11 00-0969	EA		18" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	278.72 6.30 11.40	9.44
08 71 11 00-0970	EA		18" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	293.81 6.30 11.40	9.44
08 71 11 00-0971	EA		18" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	308.85 6.30 11.40	9.44
08 71 11 00-0972	EA		18" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	326.17 6.30 11.40	9.99
08 71 11 00-0973	EA		18" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	341.22 6.30 11.40	9.99
08 71 11 00-0974	EA		18" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	356.26 6.30 11.40	9.99
08 71 11 00-0975	EA		18" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	373.56 6.30 11.40	10.55
08 71 11 00-0976	EA		18" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	388.60 6.30 11.40	10.55
08 71 11 00-0977	EA		18" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	403.66 6.30 11.40	10.55
08 71 11 00-0978	EA		20" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	221.84 6.30 11.40	9.44
08 71 11 00-0979	EA		20" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	238.56 6.30 11.40	9.44
08 71 11 00-0980	EA		20" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	255.32 6.30 11.40	9.44

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	11 00-0981	EA	20" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	272.02 6.30 11.40	9.44
08 71	11 00-0982	EA	20" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	291.01 6.30 11.40	9.99
08 71	11 00-0983	EA	20" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	307.75 6.30 11.40	9.99
08 71	11 00-0984	EA	20" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	324.47 6.30 11.40	9.99
08 71	11 00-0985	EA	20" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	341.22 6.30 11.40	9.99
08 71	11 00-0986	EA	20" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	360.14 6.30 11.40	10.55
08 71	11 00-0987	EA	20" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	376.89 6.30 11.40	10.55
08 71	11 00-0988	EA	20" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	393.63 6.30 11.40	10.55
08 71	11 00-0989	EA	20" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	412.58 6.30 11.40	11.11
08 71	11 00-0990	EA	20" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	429.34 6.30 11.40	11.11
08 71	11 00-0991	EA	20" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	446.04 6.30 11.40	11.11
08 71	11 00-0992	EA	22" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	240.26 6.30 11.40	9.44
08 71	11 00-0993	EA	22" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	258.65 6.30 11.40	9.44
08 71	11 00-0994	EA	22" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	277.05 6.30 11.40	9.44
08 71	11 00-0995	EA	22" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	295.47 6.30 11.40	9.44
08 71	11 00-0996	EA	22" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	316.11 6.30 11.40	9.99
08 71	11 00-0997	EA	22" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	334.53 6.30 11.40	9.99
08 71	11 00-0998	EA	22" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	352.93 6.30 11.40	9.99
08 71	11 00-0999	EA	22" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	371.35 6.30 11.40	9.99
08 71	11 00-1000	EA	22" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	391.95 6.30 11.40	10.55
08 71	11 00-1001	EA	22" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	410.35 6.30 11.40	10.55
08 71	11 00-1002	EA	22" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	428.78 6.30 11.40	10.55
08 71	11 00-1003	EA	22" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	449.41 6.30 11.40	11.11
08 71	11 00-1004	EA	22" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	467.83 6.30 11.40	11.11
08 71	11 00-1005	EA	22" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	486.20 6.30 11.40	11.11
08 71	11 00-1006	EA	24" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	258.65 6.30 11.40	9.44
08 71	11 00-1007	EA	24" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	278.72 6.30 11.40	9.44
08 71	11 00-1008	EA	24" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	298.82 6.30 11.40	9.44
08 71	11 00-1009	EA	24" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	318.91 6.30 11.40	9.44
08 71	11 00-1010	EA	24" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	341.22 6.30 11.40	9.99



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1011	EA		24" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	361.29 6.30 11.40	9.99
08 71 11 00-1012	EA		24" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	381.38 6.30 11.40	9.99
08 71 11 00-1013	EA		24" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	402.57 6.30 11.40	9.99
08 71 11 00-1014	EA		24" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	423.75 6.30 11.40	10.55
08 71 11 00-1015	EA		24" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	443.81 6.30 11.40	10.55
08 71 11 00-1016	EA		24" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	463.90 6.30 11.40	10.55
08 71 11 00-1017	EA		24" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	486.20 6.30 11.40	11.11
08 71 11 00-1018	EA		24" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	506.32 6.30 11.40	11.11
08 71 11 00-1019	EA		24" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	526.39 6.30 11.40	11.11
<b>08 71 11 00-1020</b>			<b>Bright/Satin Chrome Finish, Stainless Kick Plate</b> <small>(08 71 11 00-0892)</small>		
08 71 11 00-1021	EA		8" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	95.27 1.76 11.40	8.33
08 71 11 00-1022	EA		8" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	100.91 1.76 11.40	8.33
08 71 11 00-1023	EA		8" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	106.54 1.76 11.40	8.33
08 71 11 00-1024	EA		8" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	112.18 1.76 11.40	8.33
08 71 11 00-1025	EA		8" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	120.04 1.76 11.40	8.88
08 71 11 00-1026	EA		8" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	125.66 1.76 11.40	8.88
08 71 11 00-1027	EA		8" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	131.29 1.76 11.40	8.88
08 71 11 00-1028	EA		8" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	136.93 1.76 11.40	8.88
08 71 11 00-1029	EA		8" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	144.77 1.76 11.40	9.44
08 71 11 00-1030	EA		8" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	150.43 1.76 11.40	9.44
08 71 11 00-1031	EA		8" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	156.06 1.76 11.40	9.44
08 71 11 00-1032	EA		8" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	163.93 1.76 11.40	9.99
08 71 11 00-1033	EA		8" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	169.56 1.76 11.40	9.99
08 71 11 00-1034	EA		8" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	175.19 1.76 11.40	9.99
08 71 11 00-1035	EA		10" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	110.77 1.76 11.40	8.33
08 71 11 00-1036	EA		10" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	117.81 1.76 11.40	8.33
08 71 11 00-1037	EA		10" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	124.85 1.76 11.40	8.33
08 71 11 00-1038	EA		10" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	131.89 1.76 11.40	8.33
08 71 11 00-1039	EA		10" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	141.18 1.76 11.40	8.88
08 71 11 00-1040	EA		10" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	148.22 1.76 11.40	8.88

## 08 Openings

## 08 70 Hardware

## 08 71 Door Hardware

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 71 11 00-1041	EA	10" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	155.25	8.88
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1042	EA	10" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	162.29	8.88
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1043	EA	10" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	171.54	9.44
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1044	EA	10" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	178.58	9.44
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1045	EA	10" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	185.62	9.44
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1046	EA	10" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	194.89	9.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1047	EA	10" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	201.93	9.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1048	EA	10" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	208.97	9.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1049	EA	12" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	126.26	8.33
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1050	EA	12" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	134.70	8.33
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1051	EA	12" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	143.18	8.33
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1052	EA	12" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	151.62	8.33
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1053	EA	12" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	162.29	8.88
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1054	EA	12" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	170.75	8.88
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1055	EA	12" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	179.20	8.88
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1056	EA	12" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	187.64	8.88
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1057	EA	12" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	198.29	9.44
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1058	EA	12" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	206.74	9.44
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1059	EA	12" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	215.20	9.44
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1060	EA	12" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	225.87	9.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1061	EA	12" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	234.35	9.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1062	EA	12" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	242.79	9.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1063	EA	14" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	143.97	8.88
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1064	EA	14" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	153.85	8.88
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1065	EA	14" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	163.72	8.88
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1066	EA	14" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	173.56	8.88
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1067	EA	14" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	185.62	9.44
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1068	EA	14" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	195.49	9.44
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1069	EA	14" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	205.33	9.44
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1070	EA	14" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	215.20	9.44
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1071	EA		14" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	227.31	9.99
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1072	EA		14" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	237.16	9.99
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1073	EA		14" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	247.01	9.99
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1074	EA		14" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	241.31	10.55
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1075	EA		14" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	268.93	10.55
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1076	EA		14" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	278.79	10.55
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1077	EA		16" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	200.78	8.88
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1078	EA		16" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	215.81	8.88
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1079	EA		16" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	230.83	8.88
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1080	EA		16" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	245.85	8.88
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1081	EA		16" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	263.08	9.44
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1082	EA		16" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	278.10	9.44
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1083	EA		16" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	293.14	9.44
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1084	EA		16" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	308.16	9.44
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1085	EA		16" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	325.41	9.99
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1086	EA		16" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	340.43	9.99
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1087	EA		16" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	355.45	9.99
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1088	EA		16" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	372.68	10.55
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1089	EA		16" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	387.70	10.55
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1090	EA		16" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	402.72	10.55
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1091	EA		18" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	220.90	8.88
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1092	EA		18" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	237.77	8.88
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1093	EA		18" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	254.60	8.88
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1094	EA		18" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	271.47	8.88
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1095	EA		18" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	290.51	9.44
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1096	EA		18" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	307.36	9.44
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1097	EA		18" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	324.21	9.44
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1098	EA		18" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	341.06	9.44
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1099	EA		18" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	360.13	9.99
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1100	EA		18" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	376.99	9.99
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	

## 08 Openings

## 08 70 Hardware

## 08 71 Door Hardware

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 71 11 00-1101	EA	18" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	393.86	9.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1102	EA	18" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	412.91	10.55
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1103	EA	18" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	429.77	10.55
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1104	EA	18" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	446.61	10.55
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1105	EA	20" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	243.69	9.44
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1106	EA	20" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	262.44	9.44
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1107	EA	20" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	281.14	9.44
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1108	EA	20" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	299.90	9.44
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1109	EA	20" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	320.82	9.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1110	EA	20" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	339.54	9.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1111	EA	20" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	358.28	9.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1112	EA	20" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	376.99	9.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1113	EA	20" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	397.96	10.55
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1114	EA	20" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	416.66	10.55
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1115	EA	20" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	435.37	10.55
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1116	EA	20" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	456.34	11.11
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1117	EA	20" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate .....	475.05	11.11
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1118	EA	20" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	493.79	11.11
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1119	EA	22" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	264.29	9.44
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1120	EA	22" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	284.91	9.44
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1121	EA	22" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	305.49	9.44
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1122	EA	22" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	326.08	9.44
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1123	EA	22" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	348.93	9.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1124	EA	22" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	369.51	9.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1125	EA	22" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	390.11	9.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1126	EA	22" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	410.70	9.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1127	EA	22" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	433.52	10.55
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1128	EA	22" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	454.11	10.55
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1129	EA	22" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	474.71	10.55
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1130	EA	22" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	497.52	11.11
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1131	EA		22" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	518.11	11.11
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1132	EA		22" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	538.72	11.11
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1133	EA		24" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	284.91	9.44
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1134	EA		24" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	307.36	9.44
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1135	EA		24" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	329.83	9.44
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1136	EA		24" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	352.30	9.44
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1137	EA		24" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	376.99	9.99
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1138	EA		24" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	399.46	9.99
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1139	EA		24" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	421.96	9.99
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1140	EA		24" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	444.40	9.99
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1141	EA		24" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	469.07	10.55
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1142	EA		24" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	491.56	10.55
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1143	EA		24" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	514.03	10.55
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1144	EA		24" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	538.72	11.11
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1145	EA		24" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	561.19	11.11
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1146	EA		24" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	583.66	11.11
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
<b>08 71 11 00-1147</b>			<b>Satin/Dark Bronze Finish, Brass Kick Plate</b> <small>(08 71 11 00-0892)</small>		
08 71 11 00-1148	EA		8" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	96.19	8.33
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1149	EA		8" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	101.88	8.33
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1150	EA		8" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	107.63	8.33
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1151	EA		8" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	113.32	8.33
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1152	EA		8" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	121.29	8.88
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1153	EA		8" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	127.00	8.88
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1154	EA		8" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	132.72	8.88
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1155	EA		8" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	138.43	8.88
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1156	EA		8" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	146.33	9.44
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1157	EA		8" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	152.07	9.44
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1158	EA		8" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	157.78	9.44
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1159	EA		8" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	165.73	9.99
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1160	EA		8" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	171.44	9.99
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	

## 08 Openings

08 70 Hardware

08 71 Door Hardware

 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 71 11 00-1161	EA	8" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	177.16	9.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1162	EA	10" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	111.90	8.33
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1163	EA	10" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	119.06	8.33
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1164	EA	10" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	126.18	8.33
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1165	EA	10" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	133.33	8.33
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1166	EA	10" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	142.70	8.88
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1167	EA	10" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	149.86	8.88
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1168	EA	10" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	156.98	8.88
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1169	EA	10" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	164.13	8.88
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1170	EA	10" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	173.50	9.44
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1171	EA	10" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	180.64	9.44
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1172	EA	10" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	187.77	9.44
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1173	EA	10" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	197.17	9.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1174	EA	10" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	204.30	9.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1175	EA	10" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	211.44	9.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1176	EA	12" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	127.62	8.33
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1177	EA	12" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	136.20	8.33
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1178	EA	12" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	144.76	8.33
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1179	EA	12" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	153.34	8.33
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1180	EA	12" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	164.13	8.88
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1181	EA	12" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	172.72	8.88
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1182	EA	12" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	181.30	8.88
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1183	EA	12" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	189.86	8.88
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1184	EA	12" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	200.65	9.44
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1185	EA	12" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	209.21	9.44
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1186	EA	12" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	217.77	9.44
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1187	EA	12" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	228.58	9.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1188	EA	12" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	237.18	9.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1189	EA	12" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	245.74	9.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1190	EA	14" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	145.55	8.88
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1191	EA	14" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	155.57	8.88
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1192	EA	14" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	165.56	8.88
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1193	EA	14" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	175.56	8.88
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1194	EA	14" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	187.77	9.44
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1195	EA	14" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	197.78	9.44
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1196	EA	14" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	207.78	9.44
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1197	EA	14" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	217.77	9.44
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1198	EA	14" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	230.02	9.99
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1199	EA	14" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	240.01	9.99
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1200	EA	14" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	250.01	9.99
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1201	EA	14" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	262.23	10.55
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1202	EA	14" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	272.27	10.55
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1203	EA	14" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	282.26	10.55
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1204	EA	16" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	200.30	8.88
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1205	EA	16" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	215.30	8.88
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1206	EA	16" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	230.27	8.88
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1207	EA	16" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	245.25	8.88
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1208	EA	16" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	262.44	9.44
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1209	EA	16" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	277.41	9.44
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1210	EA	16" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	292.41	9.44
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1211	EA	16" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	307.39	9.44
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1212	EA	16" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	324.59	9.99
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1213	EA	16" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	339.57	9.99
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1214	EA	16" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	354.55	9.99
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1215	EA	16" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	371.73	10.55
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1216	EA	16" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	386.71	10.55
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1217	EA	16" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	401.69	10.55
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1218	EA	18" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	220.37	8.88
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1219	EA	18" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	237.19	8.88
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1220	EA	18" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	253.97	8.88
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	

**08 Openings****08 70 Hardware****08 71 Door Hardware**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 71 11 00-1221	EA	18" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	270.79	8.88
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1222	EA	18" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	289.79	9.44
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1223	EA	18" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	306.59	9.44
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1224	EA	18" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	323.39	9.44
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1225	EA	18" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	340.19	9.44
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1226	EA	18" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	359.21	9.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1227	EA	18" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	376.03	9.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1228	EA	18" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	392.85	9.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1229	EA	18" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	411.84	10.55
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1230	EA	18" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	428.66	10.55
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1231	EA	18" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	445.45	10.55
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1232	EA	20" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	243.10	9.44
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1233	EA	20" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	261.80	9.44
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1234	EA	20" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	280.44	9.44
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1235	EA	20" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	299.14	9.44
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1236	EA	20" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	320.02	9.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1237	EA	20" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	338.68	9.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1238	EA	20" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	357.36	9.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1239	EA	20" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	376.03	9.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1240	EA	20" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	396.94	10.55
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1241	EA	20" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	415.58	10.55
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1242	EA	20" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	434.24	10.55
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1243	EA	20" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	455.16	11.11
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1244	EA	20" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	473.82	11.11
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1245	EA	20" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	492.50	11.11
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1246	EA	22" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	263.64	9.44
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1247	EA	22" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	284.20	9.44
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1248	EA	22" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	304.73	9.44
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1249	EA	22" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	325.25	9.44
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1250	EA	22" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	348.04	9.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1251	EA	22" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	368.57	9.99
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1252	EA	22" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	389.11	9.99
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1253	EA	22" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	409.63	9.99
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1254	EA	22" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	432.40	10.55
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1255	EA	22" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	452.93	10.55
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1256	EA	22" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	473.47	10.55
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1257	EA	22" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	496.22	11.11
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1258	EA	22" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	516.75	11.11
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1259	EA	22" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	537.31	11.11
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1260	EA	24" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	284.20	9.44
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1261	EA	24" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	306.59	9.44
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1262	EA	24" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	328.99	9.44
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1263	EA	24" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	351.39	9.44
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1264	EA	24" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	376.03	9.99
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1265	EA	24" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	398.43	9.99
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1266	EA	24" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	420.87	9.99
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1267	EA	24" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	443.24	9.99
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1268	EA	24" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	467.85	10.55
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1269	EA	24" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	490.27	10.55
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1270	EA	24" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	512.67	10.55
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1271	EA	24" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	537.31	11.11
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1272	EA	24" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	559.71	11.11
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1273	EA	24" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	582.11	11.11
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
<b>08 71 11 00-1274</b>		<b>Satin Nickel Finish, Stainless Kick Plate</b> (08 71 11 00-0892)			
08 71 11 00-1275	EA	8" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	97.56	8.33
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1276	EA	8" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	103.37	8.33
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1277	EA	8" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	109.24	8.33
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1278	EA	8" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	115.05	8.33
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1279	EA	8" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	123.15	8.88
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1280	EA	8" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	128.98	8.88
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	

**08 Openings****08 70 Hardware****08 71 Door Hardware**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 71 11 00-1281	EA	8" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	134.83	8.88
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1282	EA	8" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	140.66	8.88
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1283	EA	8" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	148.69	9.44
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1284	EA	8" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	154.55	9.44
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1285	EA	8" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	160.38	9.44
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1286	EA	8" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	168.46	9.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1287	EA	8" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	174.29	9.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1288	EA	8" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	180.14	9.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1289	EA	10" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	113.61	8.33
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1290	EA	10" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	120.92	8.33
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1291	EA	10" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	128.20	8.33
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1292	EA	10" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	135.50	8.33
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1293	EA	10" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	145.03	8.88
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1294	EA	10" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	152.34	8.88
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1295	EA	10" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	159.62	8.88
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1296	EA	10" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	166.92	8.88
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1297	EA	10" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	176.45	9.44
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1298	EA	10" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	183.74	9.44
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1299	EA	10" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	191.02	9.44
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1300	EA	10" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	200.59	9.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1301	EA	10" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	207.87	9.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1302	EA	10" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	215.17	9.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1303	EA	12" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	129.67	8.33
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1304	EA	12" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	138.43	8.33
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1305	EA	12" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	147.18	8.33
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1306	EA	12" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	155.94	8.33
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1307	EA	12" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	166.92	8.88
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1308	EA	12" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	175.70	8.88
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1309	EA	12" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	184.47	8.88
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1310	EA	12" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	193.22	8.88
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1311	EA		12" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	204.19 1.76 11.40	9.44
08 71 11 00-1312	EA		12" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	212.94 1.76 11.40	9.44
08 71 11 00-1313	EA		12" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	221.68 1.76 11.40	9.44
08 71 11 00-1314	EA		12" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	232.68 1.76 11.40	9.99
08 71 11 00-1315	EA		12" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	241.46 1.76 11.40	9.99
08 71 11 00-1316	EA		12" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	250.21 1.76 11.40	9.99
08 71 11 00-1317	EA		14" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	147.94 1.76 11.40	8.88
08 71 11 00-1318	EA		14" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	158.17 1.76 11.40	8.88
08 71 11 00-1319	EA		14" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	168.39 1.76 11.40	8.88
08 71 11 00-1320	EA		14" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	178.60 1.76 11.40	8.88
08 71 11 00-1321	EA		14" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	191.02 1.76 11.40	9.44
08 71 11 00-1322	EA		14" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	201.26 1.76 11.40	9.44
08 71 11 00-1323	EA		14" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	211.47 1.76 11.40	9.44
08 71 11 00-1324	EA		14" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	221.68 1.76 11.40	9.44
08 71 11 00-1325	EA		14" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	234.14 1.76 11.40	9.99
08 71 11 00-1326	EA		14" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	244.36 1.76 11.40	9.99
08 71 11 00-1327	EA		14" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	254.57 1.76 11.40	9.99
08 71 11 00-1328	EA		14" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	267.01 1.76 11.40	10.55
08 71 11 00-1329	EA		14" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	277.26 1.76 11.40	10.55
08 71 11 00-1330	EA		14" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	287.48 1.76 11.40	10.55
08 71 11 00-1331	EA		16" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	203.88 1.76 11.40	8.88
08 71 11 00-1332	EA		16" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	219.20 1.76 11.40	8.88
08 71 11 00-1333	EA		16" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	234.50 1.76 11.40	8.88
08 71 11 00-1334	EA		16" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	249.81 1.76 11.40	8.88
08 71 11 00-1335	EA		16" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	267.32 1.76 11.40	9.44
08 71 11 00-1336	EA		16" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	282.62 1.76 11.40	9.44
08 71 11 00-1337	EA		16" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	297.94 1.76 11.40	9.44
08 71 11 00-1338	EA		16" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	313.24 1.76 11.40	9.44
08 71 11 00-1339	EA		16" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	330.77 1.76 11.40	9.99
08 71 11 00-1340	EA		16" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	346.08 1.76 11.40	9.99

## 08 Openings

## 08 70 Hardware

## 08 71 Door Hardware

 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 71 11 00-1341	EA	16" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	361.38	9.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1342	EA	16" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	378.89	10.55
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1343	EA	16" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	394.19	10.55
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1344	EA	16" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	409.49	10.55
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1345	EA	18" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	224.38	8.88
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1346	EA	18" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	241.57	8.88
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1347	EA	18" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	258.72	8.88
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1348	EA	18" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	275.90	8.88
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1349	EA	18" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	295.26	9.44
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1350	EA	18" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	312.43	9.44
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1351	EA	18" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	329.59	9.44
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1352	EA	18" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	346.76	9.44
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1353	EA	18" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	366.14	9.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1354	EA	18" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	383.33	9.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1355	EA	18" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	400.51	9.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1356	EA	18" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	419.87	10.55
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1357	EA	18" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	437.06	10.55
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1358	EA	18" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	454.21	10.55
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1359	EA	20" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	247.56	9.44
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1360	EA	20" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	266.67	9.44
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1361	EA	20" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	285.72	9.44
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1362	EA	20" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	304.82	9.44
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1363	EA	20" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	326.10	9.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1364	EA	20" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	345.17	9.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1365	EA	20" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	364.26	9.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1366	EA	20" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	383.33	9.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1367	EA	20" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	404.64	10.55
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1368	EA	20" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	423.69	10.55
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1369	EA	20" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	442.76	10.55
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1370	EA	20" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	464.08	11.11
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1371	EA	20" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	483.15	11.11
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1372	EA	20" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	502.23	11.11
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1373	EA	22" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	268.55	9.44
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1374	EA	22" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	289.56	9.44
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1375	EA	22" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	310.53	9.44
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1376	EA	22" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	331.50	9.44
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1377	EA	22" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	354.73	9.99
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1378	EA	22" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	375.70	9.99
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1379	EA	22" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	396.69	9.99
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1380	EA	22" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	417.66	9.99
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1381	EA	22" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	440.88	10.55
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1382	EA	22" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	461.85	10.55
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1383	EA	22" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	482.84	10.55
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1384	EA	22" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	506.04	11.11
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1385	EA	22" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	527.01	11.11
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1386	EA	22" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	548.01	11.11
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1387	EA	24" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	289.56	9.44
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1388	EA	24" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	312.43	9.44
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1389	EA	24" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	335.32	9.44
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1390	EA	24" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	358.21	9.44
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1391	EA	24" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	383.33	9.99
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1392	EA	24" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	406.22	9.99
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1393	EA	24" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	429.14	9.99
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1394	EA	24" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	452.00	9.99
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1395	EA	24" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	477.10	10.55
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1396	EA	24" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	500.00	10.55
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1397	EA	24" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	522.89	10.55
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1398	EA	24" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	548.01	11.11
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1399	EA	24" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	570.90	11.11
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1400	EA	24" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	593.79	11.11
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	

## 08 Openings

08 70 Hardware

08 71 Door Hardware

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1401			Stainless Base Material Kick Plate <small>(08 71 11 00-0763)</small>		
08 71 11 00-1402			Satin Stainless Finish, Stainless Kick Plate <small>(08 71 11 00-1401)</small>		
08 71 11 00-1403	EA		8" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	52.52	8.33
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1404	EA		8" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	54.29	8.33
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1405	EA		8" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	56.01	8.33
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1406	EA		8" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	57.80	8.33
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1407	EA		8" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	61.77	8.88
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1408	EA		8" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	63.48	8.88
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1409	EA		8" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	65.27	8.88
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1410	EA		8" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	67.01	8.88
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1411	EA		8" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	70.97	9.44
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1412	EA		8" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	72.72	9.44
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1413	EA		8" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	74.46	9.44
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1414	EA		8" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	78.44	9.99
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1415	EA		8" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	80.20	9.99
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1416	EA		8" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	81.93	9.99
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1417	EA		10" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	57.33	8.33
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1418	EA		10" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	59.54	8.33
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1419	EA		10" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	61.72	8.33
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1420	EA		10" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	63.89	8.33
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1421	EA		10" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	68.33	8.88
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1422	EA		10" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	70.51	8.88
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1423	EA		10" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	72.68	8.88
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1424	EA		10" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	74.85	8.88
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1425	EA		10" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	79.29	9.44
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1426	EA		10" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	81.45	9.44
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1427	EA		10" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	83.62	9.44
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1428	EA		10" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	88.06	9.99
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1429	EA		10" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	90.25	9.99
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1430	EA		10" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	92.42	9.99
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1431	EA	12" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	62.16	8.33
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1432	EA	12" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	64.78	8.33
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1433	EA	12" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	67.40	8.33
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1434	EA	12" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	70.02	8.33
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1435	EA	12" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	74.85	8.88
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1436	EA	12" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	77.49	8.88
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1437	EA	12" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	80.10	8.88
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1438	EA	12" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	82.73	8.88
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1439	EA	12" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	87.55	9.44
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1440	EA	12" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	90.19	9.44
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1441	EA	12" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	92.82	9.44
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1442	EA	12" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	97.66	9.99
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1443	EA	12" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	100.30	9.99
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1444	EA	12" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	102.90	9.99
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1445	EA	14" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	69.20	8.88
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1446	EA	14" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	72.25	8.88
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1447	EA	14" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	75.32	8.88
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1448	EA	14" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	78.38	8.88
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1449	EA	14" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	83.62	9.44
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1450	EA	14" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	86.70	9.44
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1451	EA	14" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	89.75	9.44
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1452	EA	14" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	92.82	9.44
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1453	EA	14" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	98.13	9.99
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1454	EA	14" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	101.15	9.99
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1455	EA	14" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	104.22	9.99
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1456	EA	14" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	109.50	10.55
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1457	EA	14" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	112.56	10.55
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1458	EA	14" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	115.63	10.55
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1459	EA	16" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	76.52	8.88
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1460	EA	16" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	80.43	8.88
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 71 11 00-1461	EA	16" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	84.17	8.88
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1462	EA	16" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	87.91	8.88
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1463	EA	16" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	93.85	9.44
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1464	EA	16" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	97.60	9.44
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1465	EA	16" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	101.35	9.44
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1466	EA	16" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	105.08	9.44
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1467	EA	16" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	111.04	9.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1468	EA	16" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	114.81	9.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1469	EA	16" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	118.56	9.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1470	EA	16" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	124.81	10.55
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1471	EA	16" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	128.23	10.55
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1472	EA	16" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	131.98	10.55
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1473	EA	18" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	80.79	8.88
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1474	EA	18" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	84.92	8.88
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1475	EA	18" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	89.02	8.88
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1476	EA	18" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	93.13	8.88
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1477	EA	18" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	99.47	9.44
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1478	EA	18" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	103.57	9.44
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1479	EA	18" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	107.68	9.44
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1480	EA	18" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	111.78	9.44
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1481	EA	18" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	118.14	9.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1482	EA	18" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	122.25	9.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1483	EA	18" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	126.35	9.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1484	EA	18" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	132.69	10.55
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1485	EA	18" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	136.82	10.55
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1486	EA	18" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	140.92	10.55
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1487	EA	20" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	88.03	9.44
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1488	EA	20" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	92.60	9.44
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1489	EA	20" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	97.18	9.44
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1490	EA	20" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	101.73	9.44
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1491	EA	20" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	108.54	9.99
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1492	EA	20" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	113.12	9.99
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1493	EA	20" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	117.67	9.99
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1494	EA	20" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	122.25	9.99
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1495	EA	20" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	129.03	10.55
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1496	EA	20" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	133.61	10.55
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1497	EA	20" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	138.19	10.55
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1498	EA	20" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	144.97	11.11
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1499	EA	20" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	149.55	11.11
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1500	EA	20" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	154.12	11.11
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1501	EA	22" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	93.05	9.44
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1502	EA	22" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	98.10	9.44
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1503	EA	22" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	103.10	9.44
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1504	EA	22" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	108.15	9.44
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1505	EA	22" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	115.38	9.99
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1506	EA	22" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	120.43	9.99
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1507	EA	22" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	125.45	9.99
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1508	EA	22" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	130.48	9.99
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1509	EA	22" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	137.71	10.55
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1510	EA	22" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	142.74	10.55
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1511	EA	22" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	147.79	10.55
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1512	EA	22" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	155.02	11.11
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1513	EA	22" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	160.07	11.11
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1514	EA	22" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	165.07	11.11
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1515	EA	24" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	98.10	9.44
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1516	EA	24" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	103.57	9.44
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1517	EA	24" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	109.07	9.44
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1518	EA	24" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	114.54	9.44
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1519	EA	24" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	122.25	9.99
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1520	EA	24" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	127.74	9.99
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 71 11 00-1521	EA	24" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	133.22	9.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1522	EA	24" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	138.71	9.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1523	EA	24" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	146.40	10.55
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1524	EA	24" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	151.89	10.55
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1525	EA	24" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	157.37	10.55
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1526	EA	24" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	165.07	11.11
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1527	EA	24" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	170.57	11.11
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1528	EA	24" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	176.07	11.11
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	

**08 71 11 00-1529 Bright Stainless Finish, Stainless Kick Plate (08 71 11 00-1401)**

08 71 11 00-1530	EA	8" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	78.67	8.33
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1531	EA	8" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	82.82	8.33
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1532	EA	8" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	86.93	8.33
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1533	EA	8" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	91.05	8.33
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1534	EA	8" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	97.39	8.88
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1535	EA	8" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	101.53	8.88
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1536	EA	8" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	105.64	8.88
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1537	EA	8" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	109.78	8.88
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1538	EA	8" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	116.08	9.44
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1539	EA	8" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	120.23	9.44
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1540	EA	8" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	124.37	9.44
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1541	EA	8" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	130.71	9.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1542	EA	8" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	134.83	9.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1543	EA	8" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	138.94	9.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1544	EA	10" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	90.02	8.33
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1545	EA	10" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	95.16	8.33
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1546	EA	10" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	100.33	8.33
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1547	EA	10" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	105.49	8.33
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1548	EA	10" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	112.86	8.88
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1549	EA	10" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	118.02	8.88
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1550	EA	10" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	123.19	8.88
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1551	EA		10" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	128.35 1.76 11.40	8.88
08 71 11 00-1552	EA		10" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	135.70 1.76 11.40	9.44
08 71 11 00-1553	EA		10" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	140.86 1.76 11.40	9.44
08 71 11 00-1554	EA		10" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	146.03 1.76 11.40	9.44
08 71 11 00-1555	EA		10" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	153.38 1.76 11.40	9.99
08 71 11 00-1556	EA		10" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	158.56 1.76 11.40	9.99
08 71 11 00-1557	EA		10" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	163.71 1.76 11.40	9.99
08 71 11 00-1558	EA		12" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	101.35 1.76 11.40	8.33
08 71 11 00-1559	EA		12" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	107.55 1.76 11.40	8.33
08 71 11 00-1560	EA		12" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	113.74 1.76 11.40	8.33
08 71 11 00-1561	EA		12" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	119.93 1.76 11.40	8.33
08 71 11 00-1562	EA		12" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	128.35 1.76 11.40	8.88
08 71 11 00-1563	EA		12" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	134.50 1.76 11.40	8.88
08 71 11 00-1564	EA		12" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	140.71 1.76 11.40	8.88
08 71 11 00-1565	EA		12" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	146.90 1.76 11.40	8.88
08 71 11 00-1566	EA		12" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	155.30 1.76 11.40	9.44
08 71 11 00-1567	EA		12" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	161.48 1.76 11.40	9.44
08 71 11 00-1568	EA		12" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	167.65 1.76 11.40	9.44
08 71 11 00-1569	EA		12" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	176.09 1.76 11.40	9.99
08 71 11 00-1570	EA		12" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	182.26 1.76 11.40	9.99
08 71 11 00-1571	EA		12" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	188.45 1.76 11.40	9.99
08 71 11 00-1572	EA		14" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	114.94 1.76 11.40	8.88
08 71 11 00-1573	EA		14" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	122.16 1.76 11.40	8.88
08 71 11 00-1574	EA		14" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	129.38 1.76 11.40	8.88
08 71 11 00-1575	EA		14" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	136.60 1.76 11.40	8.88
08 71 11 00-1576	EA		14" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	146.03 1.76 11.40	9.44
08 71 11 00-1577	EA		14" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	153.23 1.76 11.40	9.44
08 71 11 00-1578	EA		14" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	160.45 1.76 11.40	9.44
08 71 11 00-1579	EA		14" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	167.65 1.76 11.40	9.44
08 71 11 00-1580	EA		14" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	177.12 1.76 11.40	9.99

**08 Openings****08 70 Hardware****08 71 Door Hardware**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 71 11 00-1581	EA	14" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	184.34	9.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1582	EA	14" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	191.56	9.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1583	EA	14" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	200.99	10.55
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1584	EA	14" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	208.18	10.55
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1585	EA	14" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	215.40	10.55
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1586	EA	16" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	126.27	8.88
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1587	EA	16" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	134.50	8.88
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1588	EA	16" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	142.79	8.88
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1589	EA	16" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	151.02	8.88
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1590	EA	16" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	161.48	9.44
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1591	EA	16" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	169.74	9.44
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1592	EA	16" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	177.97	9.44
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1593	EA	16" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	186.22	9.44
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1594	EA	16" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	196.70	9.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1595	EA	16" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	204.94	9.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1596	EA	16" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	213.19	9.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1597	EA	16" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	223.65	10.55
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1598	EA	16" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	231.92	10.55
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1599	EA	16" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	240.17	10.55
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1600	EA	18" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	138.82	8.88
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1601	EA	18" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	148.25	8.88
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1602	EA	18" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	157.60	8.88
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1603	EA	18" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	167.03	8.88
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1604	EA	18" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	178.63	9.44
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1605	EA	18" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	187.98	9.44
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1606	EA	18" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	197.41	9.44
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1607	EA	18" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	212.13	9.44
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1608	EA	18" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	218.41	9.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1609	EA	18" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	227.80	9.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1610	EA	18" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	237.19	9.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1611	EA		18" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	248.79 6.30 11.40	10.55
08 71 11 00-1612	EA		18" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	258.18 6.30 11.40	10.55
08 71 11 00-1613	EA		18" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	267.57 6.30 11.40	10.55
08 71 11 00-1614	EA		20" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	152.54 6.30 11.40	9.44
08 71 11 00-1615	EA		20" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	162.96 6.30 11.40	9.44
08 71 11 00-1616	EA		20" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	173.40 6.30 11.40	9.44
08 71 11 00-1617	EA		20" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	183.82 6.30 11.40	9.44
08 71 11 00-1618	EA		20" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	196.49 6.30 11.40	9.99
08 71 11 00-1619	EA		20" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	206.94 6.30 11.40	9.99
08 71 11 00-1620	EA		20" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	217.35 6.30 11.40	9.99
08 71 11 00-1621	EA		20" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	227.80 6.30 11.40	9.99
08 71 11 00-1622	EA		20" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	240.42 6.30 11.40	10.55
08 71 11 00-1623	EA		20" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	250.87 6.30 11.40	10.55
08 71 11 00-1624	EA		20" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	261.31 6.30 11.40	10.55
08 71 11 00-1625	EA		20" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	273.96 6.30 11.40	11.11
08 71 11 00-1626	EA		20" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	284.40 6.30 11.40	11.11
08 71 11 00-1627	EA		20" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	294.82 6.30 11.40	11.11
08 71 11 00-1628	EA		22" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	164.01 6.30 11.40	9.44
08 71 11 00-1629	EA		22" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	175.48 6.30 11.40	9.44
08 71 11 00-1630	EA		22" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	186.95 6.30 11.40	9.44
08 71 11 00-1631	EA		22" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	198.42 6.30 11.40	9.44
08 71 11 00-1632	EA		22" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	212.14 6.30 11.40	9.99
08 71 11 00-1633	EA		22" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	223.62 6.30 11.40	9.99
08 71 11 00-1634	EA		22" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	235.11 6.30 11.40	9.99
08 71 11 00-1635	EA		22" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	246.58 6.30 11.40	9.99
08 71 11 00-1636	EA		22" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	260.26 6.30 11.40	10.55
08 71 11 00-1637	EA		22" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	271.73 6.30 11.40	10.55
08 71 11 00-1638	EA		22" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	283.20 6.30 11.40	10.55
08 71 11 00-1639	EA		22" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	296.90 6.30 11.40	11.11
08 71 11 00-1640	EA		22" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	308.41 6.30 11.40	11.11

## 08 Openings

08 70 Hardware

08 71 Door Hardware

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 71 11 00-1641	EA	22" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	319.88	11.11
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1642	EA	24" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	175.48	9.44
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1643	EA	24" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	187.98	9.44
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1644	EA	24" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	200.52	9.44
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1645	EA	24" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	213.04	9.44
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1646	EA	24" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	227.80	9.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1647	EA	24" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	240.31	9.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1648	EA	24" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	252.82	9.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1649	EA	24" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	265.36	9.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1650	EA	24" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	280.09	10.55
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1651	EA	24" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	292.59	10.55
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1652	EA	24" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	305.13	10.55
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1653	EA	24" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	319.88	11.11
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1654	EA	24" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	332.42	11.11
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1655	EA	24" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	344.92	11.11
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	

08 71 11 00-1656 Plastic Kick Plate (08 71 11 00-0763)

08 71 11 00-1657 Clear Or Black Finish, Plastic Kick Plate (08 71 11 00-1656)

Note: With four beveled edges.

08 71 11 00-1658	EA	8" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	47.62	8.33
08 71 11 00-1659	EA	8" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	48.90	8.33
08 71 11 00-1660	EA	8" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	50.23	8.33
08 71 11 00-1661	EA	8" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	51.53	8.33
08 71 11 00-1662	EA	8" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	55.07	8.88
08 71 11 00-1663	EA	8" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	56.36	8.88
08 71 11 00-1664	EA	8" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	57.64	8.88
08 71 11 00-1665	EA	8" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	58.97	8.88
08 71 11 00-1666	EA	8" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	64.05	9.44
08 71 11 00-1667	EA	8" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	63.75	9.44
08 71 11 00-1668	EA	8" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	65.08	9.44
08 71 11 00-1669	EA	8" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	68.61	9.99
08 71 11 00-1670	EA	8" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	69.92	9.99
08 71 11 00-1671	EA	8" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	71.21	9.99
08 71 11 00-1672	EA	10" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	51.19	8.33
08 71 11 00-1673	EA	10" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	52.84	8.33
08 71 11 00-1674	EA	10" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	54.45	8.33
08 71 11 00-1675	EA	10" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	56.06	8.33
08 71 11 00-1676	EA	10" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	59.93	8.88
08 71 11 00-1677	EA	10" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	61.54	8.88
08 71 11 00-1678	EA	10" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	63.19	8.88
08 71 11 00-1679	EA	10" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	64.80	8.88
08 71 11 00-1680	EA	10" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	68.65	9.44
08 71 11 00-1681	EA	10" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	70.26	9.44
08 71 11 00-1682	EA	10" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	71.91	9.44
08 71 11 00-1683	EA	10" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	75.75	9.99
08 71 11 00-1684	EA	10" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	77.39	9.99
08 71 11 00-1685	EA	10" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	79.00	9.99
08 71 11 00-1686	EA	12" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	54.78	8.33
08 71 11 00-1687	EA	12" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	56.74	8.33
08 71 11 00-1688	EA	12" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	58.67	8.33
08 71 11 00-1689	EA	12" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	60.64	8.33
08 71 11 00-1690	EA	12" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	64.80	8.88
08 71 11 00-1691	EA	12" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	66.77	8.88
08 71 11 00-1692	EA	12" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	68.73	8.88
08 71 11 00-1693	EA	12" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	70.68	8.88
08 71 11 00-1694	EA	12" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	74.81	9.44

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1695	EA	12" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	76.77	9.44	
08 71 11 00-1696	EA	12" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	78.75	9.44	
08 71 11 00-1697	EA	12" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	82.90	9.99	
08 71 11 00-1698	EA	12" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	84.88	9.99	
08 71 11 00-1699	EA	12" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	86.81	9.99	
08 71 11 00-1700	EA	14" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	60.58	8.88	
08 71 11 00-1701	EA	14" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	62.87	8.88	
08 71 11 00-1702	EA	14" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	65.13	8.88	
08 71 11 00-1703	EA	14" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	67.42	8.88	
08 71 11 00-1704	EA	14" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	71.91	9.44	
08 71 11 00-1705	EA	14" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	74.17	9.44	
08 71 11 00-1706	EA	14" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	76.46	9.44	
08 71 11 00-1707	EA	14" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	78.75	9.44	
08 71 11 00-1708	EA	14" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	83.24	9.99	
08 71 11 00-1709	EA	14" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	85.53	9.99	
08 71 11 00-1710	EA	14" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	87.80	9.99	
08 71 11 00-1711	EA	14" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	92.27	10.55	
08 71 11 00-1712	EA	14" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	94.56	10.55	
08 71 11 00-1713	EA	14" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	96.82	10.55	
08 71 11 00-1714	EA	16" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	68.45	8.88	
08 71 11 00-1715	EA	16" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	71.45	8.88	
08 71 11 00-1716	EA	16" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	74.40	8.88	
08 71 11 00-1717	EA	16" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	77.41	8.88	
08 71 11 00-1718	EA	16" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	82.62	9.44	
08 71 11 00-1719	EA	16" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	85.60	9.44	
08 71 11 00-1720	EA	16" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	88.60	9.44	
08 71 11 00-1721	EA	16" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	91.57	9.44	
08 71 11 00-1722	EA	16" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	96.81	9.99	
08 71 11 00-1723	EA	16" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	99.79	9.99	
08 71 11 00-1724	EA	16" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	102.79	9.99	
08 71 11 00-1725	EA	16" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	108.01	10.55	
08 71 11 00-1726	EA	16" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	110.96	10.55	
08 71 11 00-1727	EA	16" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	113.96	10.55	
08 71 11 00-1728	EA	18" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	72.54	8.88	
08 71 11 00-1729	EA	18" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	75.92	8.88	
08 71 11 00-1730	EA	18" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	79.27	8.88	
08 71 11 00-1731	EA	18" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	82.65	8.88	
08 71 11 00-1732	EA	18" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	162.90	9.44	
08 71 11 00-1733	EA	18" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	91.57	9.44	
08 71 11 00-1734	EA	18" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	94.96	9.44	
08 71 11 00-1735	EA	18" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	98.30	9.44	
08 71 11 00-1736	EA	18" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	103.92	9.99	
08 71 11 00-1737	EA	18" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	107.28	9.99	
08 71 11 00-1738	EA	18" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	110.63	9.99	
08 71 11 00-1739	EA	18" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	116.22	10.55	
08 71 11 00-1740	EA	18" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	119.57	10.55	
08 71 11 00-1741	EA	18" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	122.95	10.55	
08 71 11 00-1742	EA	20" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	78.87	9.44	
08 71 11 00-1743	EA	20" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	82.62	9.44	
08 71 11 00-1744	EA	20" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	86.35	9.44	
08 71 11 00-1745	EA	20" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	90.09	9.44	
08 71 11 00-1746	EA	20" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	96.06	9.99	
08 71 11 00-1747	EA	20" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	99.79	9.99	
08 71 11 00-1748	EA	20" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	103.54	9.99	
08 71 11 00-1749	EA	20" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	107.28	9.99	
08 71 11 00-1750	EA	20" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	113.22	10.55	
08 71 11 00-1751	EA	20" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	116.96	10.55	
08 71 11 00-1752	EA	20" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	120.69	10.55	
08 71 11 00-1753	EA	20" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	126.67	11.11	
08 71 11 00-1754	EA	20" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	130.41	11.11	
08 71 11 00-1755	EA	20" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	134.14	11.11	
08 71 11 00-1756	EA	22" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	83.00	9.44	
08 71 11 00-1757	EA	22" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	87.09	9.44	
08 71 11 00-1758	EA	22" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	91.21	9.44	
08 71 11 00-1759	EA	22" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	95.30	9.44	
08 71 11 00-1760	EA	22" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	101.67	9.99	
08 71 11 00-1761	EA	22" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	105.80	9.99	
08 71 11 00-1762	EA	22" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	109.89	9.99	
08 71 11 00-1763	EA	22" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	114.01	9.99	
08 71 11 00-1764	EA	22" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	120.31	10.55	
08 71 11 00-1765	EA	22" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	124.44	10.55	
08 71 11 00-1766	EA	22" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	128.56	10.55	
08 71 11 00-1767	EA	22" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	134.88	11.11	
08 71 11 00-1768	EA	22" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	139.00	11.11	
08 71 11 00-1769	EA	22" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	143.10	11.11	
08 71 11 00-1770	EA	24" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	87.09	9.44	
08 71 11 00-1771	EA	24" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	91.57	9.44	
08 71 11 00-1772	EA	24" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	96.08	9.44	
08 71 11 00-1773	EA	24" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	100.56	9.44	
08 71 11 00-1774	EA	24" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	107.28	9.99	
08 71 11 00-1775	EA	24" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	111.75	9.99	
08 71 11 00-1776	EA	24" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	116.24	9.99	
08 71 11 00-1777	EA	24" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	120.74	9.99	
08 71 11 00-1778	EA	24" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	127.44	10.55	
08 71 11 00-1779	EA	24" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	131.91	10.55	

**08 Openings****08 70 Hardware****08 71 Door Hardware**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 71 11 00-1780	EA	24" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	136.40	10.55
08 71 11 00-1781	EA	24" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	143.10	11.11
08 71 11 00-1782	EA	24" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	147.61	11.11
08 71 11 00-1783	EA	24" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	152.10	11.11

08 71 11 00-1784 Mop Plate (08 71 11 00-0762)  
 Note: Ives 8400.

08 71 11 00-1785 Aluminum Base Material Mop Plate (08 71 11 00-1784)

08 71 11 00-1786 Satin Aluminum Finish, Aluminum Mop Plate (08 71 11 00-1785)

08 71 11 00-1787	EA	4" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	42.39	8.11
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1788	EA	4" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	43.32	8.11
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1789	EA	4" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	44.22	8.11
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1790	EA	4" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	45.15	8.11
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1791	EA	4" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	47.41	8.44
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1792	EA	4" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	48.30	8.44
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1793	EA	4" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	49.23	8.44
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1794	EA	4" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	50.13	8.44
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1795	EA	4" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	52.96	8.88
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1796	EA	4" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	53.87	8.88
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1797	EA	4" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	54.79	8.88
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1798	EA	4" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	57.91	9.44
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1799	EA	4" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	58.84	9.44
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1800	EA	4" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	59.74	9.44
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1801	EA	6" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	47.43	8.11
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1802	EA	6" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	48.80	8.11
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1803	EA	6" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	50.19	8.11
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1804	EA	6" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	51.56	8.11
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1805	EA	6" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	54.27	8.44
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1806	EA	6" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	55.63	8.44
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1807	EA	6" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	57.03	8.44
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1808	EA	6" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	58.38	8.44
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1809	EA	6" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	61.67	8.88
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1810	EA	6" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	63.04	8.88
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1811	EA	6" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	64.43	8.88
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1812	EA	6" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	68.01	9.44
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1813	EA		6" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	69.39 1.76 11.40	9.44
08 71 11 00-1814	EA		6" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	70.75 1.76 11.40	9.44
<b>08 71 11 00-1815</b>			<b>Brass Base Material Mop Plate</b> <small>(08 71 11 00-1784)</small>		
<b>08 71 11 00-1816</b>			<b>Bright/Satin Brass Finish, Brass Mop Plate</b> <small>(08 71 11 00-1815)</small>		
08 71 11 00-1817	EA		4" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	61.90 1.76 11.40	8.11
08 71 11 00-1818	EA		4" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	64.62 1.76 11.40	8.11
08 71 11 00-1819	EA		4" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	67.30 1.76 11.40	8.11
08 71 11 00-1820	EA		4" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	70.00 1.76 11.40	8.11
08 71 11 00-1821	EA		4" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	74.01 1.76 11.40	8.44
08 71 11 00-1822	EA		4" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	76.70 1.76 11.40	8.44
08 71 11 00-1823	EA		4" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	79.40 1.76 11.40	8.44
08 71 11 00-1824	EA		4" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	82.08 1.76 11.40	8.44
08 71 11 00-1825	EA		4" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	86.68 1.76 11.40	8.88
08 71 11 00-1826	EA		4" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	89.37 1.76 11.40	8.88
08 71 11 00-1827	EA		4" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	92.05 1.76 11.40	8.88
08 71 11 00-1828	EA		4" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	96.96 1.76 11.40	9.44
08 71 11 00-1829	EA		4" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	99.64 1.76 11.40	9.44
08 71 11 00-1830	EA		4" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	102.36 1.76 11.40	9.44
08 71 11 00-1831	EA		6" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	76.73 1.76 11.40	8.11
08 71 11 00-1832	EA		6" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	80.75 1.76 11.40	8.11
08 71 11 00-1833	EA		6" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	84.80 1.76 11.40	8.11
08 71 11 00-1834	EA		6" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	88.82 1.76 11.40	8.11
08 71 11 00-1835	EA		6" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	94.19 1.76 11.40	8.44
08 71 11 00-1836	EA		6" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	98.25 1.76 11.40	8.44
08 71 11 00-1837	EA		6" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	102.26 1.76 11.40	8.44
08 71 11 00-1838	EA		6" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	106.32 1.76 11.40	8.44
08 71 11 00-1839	EA		6" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	112.23 1.76 11.40	8.88
08 71 11 00-1840	EA		6" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	116.29 1.76 11.40	8.88
08 71 11 00-1841	EA		6" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	120.33 1.76 11.40	8.88
08 71 11 00-1842	EA		6" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	126.57 1.76 11.40	9.44

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 71 11 00-1843	EA 6" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	130.61 1.76 11.40	9.44
08 71 11 00-1844	EA 6" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	134.64 1.76 11.40	9.44
<b>08 71 11 00-1845</b>	<b>Bright/Satin Chrome Finish, Stainless Mop Plate</b> <small>(08 71 11 00-1815)</small>		
08 71 11 00-1846	EA 4" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	64.85 1.76 11.40	8.11
08 71 11 00-1847	EA 4" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	67.79 1.76 11.40	8.11
08 71 11 00-1848	EA 4" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	70.75 1.76 11.40	8.11
08 71 11 00-1849	EA 4" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	73.71 1.76 11.40	8.11
08 71 11 00-1850	EA 4" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	77.99 1.76 11.40	8.44
08 71 11 00-1851	EA 4" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	80.95 1.76 11.40	8.44
08 71 11 00-1852	EA 4" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	83.91 1.76 11.40	8.44
08 71 11 00-1853	EA 4" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	86.85 1.76 11.40	8.44
08 71 11 00-1854	EA 4" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	91.71 1.76 11.40	8.88
08 71 11 00-1855	EA 4" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	94.69 1.76 11.40	8.88
08 71 11 00-1856	EA 4" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	97.65 1.76 11.40	8.88
08 71 11 00-1857	EA 4" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	102.82 1.76 11.40	9.44
08 71 11 00-1858	EA 4" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	105.77 1.76 11.40	9.44
08 71 11 00-1859	EA 4" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	108.73 1.76 11.40	9.44
08 71 11 00-1860	EA 6" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	81.11 1.76 11.40	8.11
08 71 11 00-1861	EA 6" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	85.52 1.76 11.40	8.11
08 71 11 00-1862	EA 6" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	89.97 1.76 11.40	8.11
08 71 11 00-1863	EA 6" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	94.42 1.76 11.40	8.11
08 71 11 00-1864	EA 6" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	100.17 1.76 11.40	8.44
08 71 11 00-1865	EA 6" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	104.62 1.76 11.40	8.44
08 71 11 00-1866	EA 6" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	109.03 1.76 11.40	8.44
08 71 11 00-1867	EA 6" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	113.48 1.76 11.40	8.44
08 71 11 00-1868	EA 6" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	119.83 1.76 11.40	8.88
08 71 11 00-1869	EA 6" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	124.25 1.76 11.40	8.88
08 71 11 00-1870	EA 6" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	128.70 1.76 11.40	8.88
08 71 11 00-1871	EA 6" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	135.32 1.76 11.40	9.44
08 71 11 00-1872	EA 6" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	139.77 1.76 11.40	9.44

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 71 11 00-1873	EA 6" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	144.21 1.76 11.40		9.44
<b>08 71 11 00-1874</b>	<b>Satin/Dark Bronze Finish, Brass Mop Plate</b> <small>(08 71 11 00-1815)</small>			
08 71 11 00-1875	EA 4" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	65.40 1.76 11.40		8.11
08 71 11 00-1876	EA 4" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	68.40 1.76 11.40		8.11
08 71 11 00-1877	EA 4" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	71.42 1.76 11.40		8.11
08 71 11 00-1878	EA 4" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	74.42 1.76 11.40		8.11
08 71 11 00-1879	EA 4" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	78.77 1.76 11.40		8.44
08 71 11 00-1880	EA 4" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	81.78 1.76 11.40		8.44
08 71 11 00-1881	EA 4" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	84.80 1.76 11.40		8.44
08 71 11 00-1882	EA 4" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	87.82 1.76 11.40		8.44
08 71 11 00-1883	EA 4" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	92.70 1.76 11.40		8.88
08 71 11 00-1884	EA 4" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	95.71 1.76 11.40		8.88
08 71 11 00-1885	EA 4" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	98.73 1.76 11.40		8.88
08 71 11 00-1886	EA 4" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	103.96 1.76 11.40		9.44
08 71 11 00-1887	EA 4" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	106.97 1.76 11.40		9.44
08 71 11 00-1888	EA 4" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	109.95 1.76 11.40		9.44
08 71 11 00-1889	EA 6" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	81.94 1.76 11.40		8.11
08 71 11 00-1890	EA 6" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	86.49 1.76 11.40		8.11
08 71 11 00-1891	EA 6" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	90.99 1.76 11.40		8.11
08 71 11 00-1892	EA 6" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	104.28 1.76 11.40		8.11
08 71 11 00-1893	EA 6" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	101.34 1.76 11.40		8.44
08 71 11 00-1894	EA 6" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	105.84 1.76 11.40		8.44
08 71 11 00-1895	EA 6" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	110.35 1.76 11.40		8.44
08 71 11 00-1896	EA 6" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	114.86 1.76 11.40		8.44
08 71 11 00-1897	EA 6" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	121.30 1.76 11.40		8.88
08 71 11 00-1898	EA 6" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	125.81 1.76 11.40		8.88
08 71 11 00-1899	EA 6" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	130.32 1.76 11.40		8.88
08 71 11 00-1900	EA 6" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	137.03 1.76 11.40		9.44
08 71 11 00-1901	EA 6" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	141.54 1.76 11.40		9.44
08 71 11 00-1902	EA 6" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	146.05 1.76 11.40		9.44

## 08 Openings

## 08 70 Hardware

## 08 71 Door Hardware

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 71 11 00-1903	Satin Nickel Finish, Stainless Mop Plate <small>(08 71 11 00-1815)</small>		
08 71 11 00-1904	EA 4" x 22", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	65.99	8.11
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1905	EA 4" x 24", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	69.02	8.11
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1906	EA 4" x 26", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	72.11	8.11
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1907	EA 4" x 28", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	75.17	8.11
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1908	EA 4" x 30", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	79.57	8.44
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1909	EA 4" x 32", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	82.62	8.44
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1910	EA 4" x 34", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	85.68	8.44
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1911	EA 4" x 36", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	88.75	8.44
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1912	EA 4" x 38", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	93.73	8.88
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1913	EA 4" x 40", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	96.78	8.88
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1914	EA 4" x 42", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	99.82	8.88
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1915	EA 4" x 44", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	105.12	9.44
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1916	EA 4" x 46", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	108.18	9.44
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1917	EA 4" x 48", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	111.21	9.44
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1918	EA 6" x 22", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	82.83	8.11
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1919	EA 6" x 24", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	87.42	8.11
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1920	EA 6" x 26", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	92.01	8.11
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1921	EA 6" x 28", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	96.59	8.11
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1922	EA 6" x 30", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	102.51	8.44
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1923	EA 6" x 32", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	107.10	8.44
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1924	EA 6" x 34", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	111.69	8.44
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1925	EA 6" x 36", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	116.30	8.44
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1926	EA 6" x 38", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	122.79	8.88
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1927	EA 6" x 40", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	127.40	8.88
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1928	EA 6" x 42", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	131.98	8.88
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1929	EA 6" x 44", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	138.78	9.44
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1930	EA 6" x 46", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	143.37	9.44
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1931	EA 6" x 48", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	147.98	9.44
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 71 11 00-1932			<b>Stainless Base Material Mop Plate</b> (08 71 11 00-1784)		
08 71 11 00-1933			<b>Satin Stainless Finish, Stainless Mop Plate</b> (08 71 11 00-1932)		
08 71 11 00-1934	EA		4" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	43.27	8.11
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1935	EA		4" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	44.24	8.11
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1936	EA		4" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	45.24	8.11
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1937	EA		4" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	46.23	8.11
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1938	EA		4" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	48.56	8.44
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1939	EA		4" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	49.57	8.44
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1940	EA		4" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	50.54	8.44
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1941	EA		4" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	51.54	8.44
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1942	EA		4" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	54.43	8.88
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1943	EA		4" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	55.43	8.88
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1944	EA		4" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	56.44	8.88
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1945	EA		4" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	59.61	9.44
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1946	EA		4" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	60.62	9.44
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1947	EA		4" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	61.60	9.44
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1948	EA		6" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	48.70	8.11
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1949	EA		6" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	50.21	8.11
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1950	EA		6" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	51.70	8.11
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1951	EA		6" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	53.21	8.11
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1952	EA		6" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	56.01	8.44
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1953	EA		6" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	57.49	8.44
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1954	EA		6" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	59.00	8.44
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1955	EA		6" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	60.49	8.44
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1956	EA		6" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	63.90	8.88
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1957	EA		6" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	65.37	8.88
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1958	EA		6" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	66.86	8.88
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1959	EA		6" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	70.57	9.44
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1960	EA		6" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	72.04	9.44
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1961	EA		6" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	73.55	9.44
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 71 11 00-1962	<b>Bright Stainless Finish, Stainless Mop Plate</b> (08 71 11 00-1932)		
08 71 11 00-1963	EA 4" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	56.28	8.11
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1964	EA 4" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	58.47	8.11
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1965	EA 4" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	60.66	8.11
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1966	EA 4" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	62.82	8.11
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1967	EA 4" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	66.34	8.44
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1968	EA 4" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	68.52	8.44
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1969	EA 4" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	70.71	8.44
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1970	EA 4" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	72.90	8.44
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1971	EA 4" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	76.96	8.88
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1972	EA 4" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	79.15	8.88
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1973	EA 4" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	81.34	8.88
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1974	EA 4" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	85.73	9.44
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1975	EA 4" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	87.92	9.44
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1976	EA 4" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	90.07	9.44
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1977	EA 6" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	68.27	8.11
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1978	EA 6" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	71.57	8.11
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1979	EA 6" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	74.84	8.11
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1980	EA 6" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	78.11	8.11
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1981	EA 6" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	82.69	8.44
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1982	EA 6" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	85.96	8.44
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1983	EA 6" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	89.23	8.44
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1984	EA 6" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	92.50	8.44
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1985	EA 6" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	97.69	8.88
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1986	EA 6" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	100.96	8.88
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1987	EA 6" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	104.23	8.88
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1988	EA 6" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	109.71	9.44
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1989	EA 6" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	112.97	9.44
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1990	EA 6" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	116.24	9.44
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	

08 71 11 00-1991 **Plastic Mop Plate** (08 71 11 00-1794)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 71 11 00-1992 Clear Or Black Finish, Plastic Mop Plate <small>(08 71 11 00-1991)</small>					
Note: With four beveled edges.					
08 71 11 00-1993	EA		4" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate.....	41.41	8.11
Note: 4 sides beveled.					
08 71 11 00-1994	EA		4" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate.....	42.23	8.11
Note: 4 sides beveled.					
08 71 11 00-1995	EA		4" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate.....	43.08	8.11
Note: 4 sides beveled.					
08 71 11 00-1996	EA		4" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate.....	43.90	8.11
Note: 4 sides beveled.					
08 71 11 00-1997	EA		4" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate.....	46.05	8.44
Note: 4 sides beveled.					
08 71 11 00-1998	EA		4" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate.....	46.88	8.44
Note: 4 sides beveled.					
08 71 11 00-1999	EA		4" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate.....	47.70	8.44
Note: 4 sides beveled.					
08 71 11 00-2000	EA		4" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate.....	48.54	8.44
Note: 4 sides beveled.					
08 71 11 00-2001	EA		4" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate.....	51.27	8.88
Note: 4 sides beveled.					
08 71 11 00-2002	EA		4" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate.....	52.09	8.88
Note: 4 sides beveled.					
08 71 11 00-2003	EA		4" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate.....	52.92	8.88
Note: 4 sides beveled.					
08 71 11 00-2004	EA		4" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate.....	55.95	9.44
Note: 4 sides beveled.					
08 71 11 00-2005	EA		4" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate.....	56.79	9.44
Note: 4 sides beveled.					
08 71 11 00-2006	EA		4" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate.....	57.62	9.44
Note: 4 sides beveled.					
08 71 11 00-2007	EA		6" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate.....	45.96	8.11
Note: 4 sides beveled.					
08 71 11 00-2008	EA		6" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate.....	47.21	8.11
Note: 4 sides beveled.					
08 71 11 00-2009	EA		6" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate.....	48.45	8.11
Note: 4 sides beveled.					
08 71 11 00-2010	EA		6" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate.....	49.69	8.11
Note: 4 sides beveled.					
08 71 11 00-2011	EA		6" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate.....	52.27	8.44
Note: 4 sides beveled.					
08 71 11 00-2012	EA		6" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate.....	53.51	8.44
Note: 4 sides beveled.					
08 71 11 00-2013	EA		6" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate.....	54.74	8.44
Note: 4 sides beveled.					
08 71 11 00-2014	EA		6" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate.....	55.98	8.44
Note: 4 sides beveled.					
08 71 11 00-2015	EA		6" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate.....	59.13	8.88
Note: 4 sides beveled.					
08 71 11 00-2016	EA		6" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate.....	60.37	8.88
Note: 4 sides beveled.					
08 71 11 00-2017	EA		6" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate.....	61.60	8.88
Note: 4 sides beveled.					
08 71 11 00-2018	EA		6" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate.....	65.07	9.44
Note: 4 sides beveled.					
08 71 11 00-2019	EA		6" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate.....	66.30	9.44
Note: 4 sides beveled.					
08 71 11 00-2020	EA		6" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate.....	67.54	9.44
Note: 4 sides beveled.					

08 71 11 00-2021 Armor Door Plate <small>(08 71 11 00-0762)</small>					
Note: Size ranges of 26" to 48" high, 22" to 48" wide. Ives 8400.					
08 71 11 00-2022	SF		4 to 8 SF, 0.050" Thick, Satin Aluminum Finish, Aluminum Door Armor Plate .....	20.21	1.39
08 71 11 00-2023	SF		>8 to 16 SF, 0.050" Thick, Satin Aluminum Finish, Aluminum Door Armor Plate .....	18.99	1.09
08 71 11 00-2024	SF		4 to 8 SF, 0.050" Thick, Satin Stainless Finish, Stainless Door Armor Plate .....	22.00	1.39
08 71 11 00-2025	SF		>8 to 16 SF, 0.050" Thick, Satin Stainless Finish, Stainless Door Armor Plate .....	20.78	1.09
08 71 11 00-2026	SF		4 to 8 SF, 0.050" Thick, Bright Stainless Finish, Stainless Door Armor Plate .....	43.11	1.39
08 71 11 00-2027	SF		>8 to 16 SF, 0.050" Thick, Bright Stainless Finish, Stainless Door Armor Plate .....	41.89	1.09

08 71 11 00-2028 Pull Handle And Plates <small>(08 71 11 00-0762)</small>					
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08 71 11 00-2029 Pull Handle <small>(08 71 11 00-2028)</small>					
08 71 11 00-2030	EA		3/4" Diameter, 6" Center to Center, Aluminum Door Pulls (Ives 8102HD-6).....	52.30	9.16
For Stainless Steel, Add				6.58	
For Brass, Add				8.93	
08 71 11 00-2031	EA		3/4" Diameter, 8" Center to Center, Aluminum Door Pulls (Ives 8102HD-8).....	54.33	9.16
For Stainless Steel, Add				7.43	
For Brass, Add				10.08	
08 71 11 00-2032	EA		3/4" Diameter, 10" Center to Center, Aluminum Door Pulls (Ives 8102HD-10).....	57.53	9.16
For Stainless Steel, Add				8.77	
For Brass, Add				11.91	
08 71 11 00-2033	EA		1" Diameter, 8" Center to Center, Aluminum Door Pulls (Ives 8103HD-8).....	59.31	9.16
For Stainless Steel, Add				9.52	
For Brass, Add				12.92	
08 71 11 00-2034	EA		1" Diameter, 10" Center to Center, Aluminum Door Pulls (Ives 8103HD-10).....	62.53	9.16
For Stainless Steel, Add				10.87	
For Brass, Add				14.76	

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2035	EA		1" Diameter, 12" Center to Center, Aluminum Door Pulls (Ives 8103HD-12).....	66.68	9.16
			<i>For Stainless Steel, Add</i>	12.62	
			<i>For Brass, Add</i>	17.12	
08 71 11 00-2036	EA		1" Flattened x 1/2" Round, 6" Center To Center, Aluminum Door Pulls (Ives 8105-6).....	54.48	9.16
			<i>For Stainless Steel, Add</i>	7.49	
			<i>For Brass, Add</i>	10.17	
08 71 11 00-2037	EA		1" Flattened x 1/2" Round, 8" Center To Center, Aluminum Door Pulls (Ives 8105-8).....	58.92	9.16
			<i>For Stainless Steel, Add</i>	9.36	
			<i>For Brass, Add</i>	12.70	
08 71 11 00-2038	EA		1" Flattened x 1/2" Round, 10" Center To Center, Aluminum Door Pulls (Ives 8105-10).....	59.64	9.16
			<i>For Stainless Steel, Add</i>	9.66	
			<i>For Brass, Add</i>	13.11	
08 71 11 00-2039	EA		1" Diameter, 8" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-8) .....	104.42	9.16
			<i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	12.81	
			<i>For Brass, Add</i>	11.79	
08 71 11 00-2040	EA		1" Diameter, 10" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-0) .....	107.16	9.16
			<i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	13.33	
			<i>For Brass, Add</i>	12.27	
08 71 11 00-2041	EA		1" Diameter, 12" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-2) .....	112.67	9.16
			<i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	14.37	
			<i>For Brass, Add</i>	13.23	
08 71 11 00-2042	EA		1" Diameter, 18" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-18) .....	144.60	9.16
			<i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	20.40	
			<i>For Brass, Add</i>	18.79	
<b>08 71 11 00-2043</b>			<b>Pull Plate</b> (08 71 11 00-2028)		
08 71 11 00-2044	EA		3-1/2" x 15" Aluminum Pull Plate Door Hardware (Ives 8302) .....	72.38	6.94
			<i>For Stainless Steel, Add</i>	26.33	
			<i>For Brass, Add</i>	33.47	
08 71 11 00-2045	EA		6" x 16" Aluminum Pull Plate Door Hardware (Ives 8302) .....	77.47	6.94
			<i>For Stainless Steel, Add</i>	29.33	
			<i>For Brass, Add</i>	37.28	
08 71 11 00-2046	EA		4" x 16" Aluminum Pull Plate Door Hardware (Ives 8302) .....	73.94	6.94
			<i>For Stainless Steel, Add</i>	27.25	
			<i>For Brass, Add</i>	34.64	
<b>08 71 11 00-2047</b>			<b>Push Bars And Plates</b> (08 71 11 00-0762)		
<b>08 71 11 00-2048</b>			<b>Push Bars</b> (08 71 11 00-2047)		
08 71 11 00-2049	EA		3/8" x 2-1/2" Bronze Push Bar, Rectangular, With Base Plate.....	211.97	6.94
			Note: Up to 34" wide. All finishes.		
08 71 11 00-2050	EA		3/4" Diameter Stainless Steel Push Bar, Up To 34" Wide.....	178.87	6.94
			<i>For Brass Push Bar, Add</i>	26.29	
08 71 11 00-2051	EA		1" Diameter Stainless Steel Push Bar, Up To 34" Wide.....	185.22	6.94
			<i>For Brass Push Bar, Add</i>	27.40	
08 71 11 00-2052	EA		1-1/4" Diameter Stainless Steel Push Bar, Up To 34" Wide.....	342.67	6.94
			<i>For Brass Push Bar, Add</i>	54.79	
<b>08 71 11 00-2053</b>			<b>Push Plates</b> (08 71 11 00-2047)		
<b>08 71 11 00-2054</b>			<b>Aluminum Push Plates</b> (08 71 11 00-2053)		
<b>08 71 11 00-2055</b>			<b>Clear Anodized Finish, Aluminum Push Plates</b> (08 71 11 00-2054)		
			Note: Ives 8200 Series.		
08 71 11 00-2056	EA		3" x 12", Clear Anodized Finish, Aluminum Push Plate Door Hardware .....	38.97	6.94
08 71 11 00-2057	EA		4" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware .....	38.97	6.94
08 71 11 00-2058	EA		6" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware .....	38.97	6.94
08 71 11 00-2059	EA		8" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware .....	41.81	6.94
<b>08 71 11 00-2060</b>			<b>Stainless Steel Push Plates</b> (08 71 11 00-2053)		
<b>08 71 11 00-2061</b>			<b>Satin Finish, Stainless Steel Push Plates</b> (08 71 11 00-2060)		
			Note: Ives 8200 Series.		
08 71 11 00-2062	EA		3" x 12", Satin Finish, Stainless Steel Push Plate Door Hardware.....	38.97	6.94
08 71 11 00-2063	EA		4" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware.....	41.16	6.94
08 71 11 00-2064	EA		6" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware.....	46.14	6.94
08 71 11 00-2065	EA		8" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware.....	53.51	6.94
<b>08 71 11 00-2066</b>			<b>Brass Push Plates</b> (08 71 11 00-2053)		
<b>08 71 11 00-2067</b>			<b>Bright/Satin Brass Finish, Brass Push Plates</b> (08 71 11 00-2066)		
			Note: Ives 8200 Series.		
08 71 11 00-2068	EA		3" x 12", Bright/Satin Brass Finish, Brass Push Plate Door Hardware.....	45.63	6.94
08 71 11 00-2069	EA		4" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware .....	51.23	6.94
08 71 11 00-2070	EA		6" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware .....	64.72	6.94
08 71 11 00-2071	EA		8" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware.....	73.58	6.94
<b>08 71 11 00-2072</b>			<b>Bright/Satin Chrome Finish, Brass Push Plates</b> (08 71 11 00-2066)		
			Note: Ives 8200 Series.		
08 71 11 00-2073	EA		3" x 12", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware .....	50.11	6.94
08 71 11 00-2074	EA		4" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware .....	54.66	6.94
08 71 11 00-2075	EA		6" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware .....	67.01	6.94
08 71 11 00-2076	EA		8" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware .....	79.19	6.94



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 71 11 00-2077			<b>Satin/Dark Bronze Finish, Brass Push Plates</b> (08 71 11 00-2066) Note: Ives 8200 Series.		
08 71 11 00-2078	EA		3" x 12", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware .....	50.11	6.94
08 71 11 00-2079	EA		4" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware .....	54.66	6.94
08 71 11 00-2080	EA		6" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware .....	69.20	6.94
08 71 11 00-2081	EA		8" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware .....	80.41	6.94
08 71 11 00-2082			<b>Satin Nickel Finish, Brass Push Plates</b> (08 71 11 00-2066) Note: Ives 8200 Series.		
08 71 11 00-2083	EA		3" x 12", Satin Nickel Finish, Brass Push Plate Door Hardware .....	50.11	6.94
08 71 11 00-2084	EA		4" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware .....	55.80	6.94
08 71 11 00-2085	EA		6" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware .....	72.65	6.94
08 71 11 00-2086	EA		8" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware .....	83.86	6.94
08 71 11 00-2087			<b>Exit Devices</b> (08 71 11)		
08 71 11 00-2088			<b>Push Bar Exit Device, Von Duprin Series 22</b> (08 71 11 00-2087) Note: Grade 1, BHMA 156.3.		
08 71 11 00-2089	EA		3' Push Bar, Rim Type, Exit Device .....	667.77	124.92
			Note: Anodized finish: aluminum or dark brown. Von Duprin Series 22.		
			For 4' Push Bar, Add	13.00	
08 71 11 00-2090	EA		3' Push Bar, Fire Rated, Rim Type, Exit Device .....	733.99	124.92
			Note: Anodized finish: aluminum or dark brown. Von Duprin Series 22-F.		
			For 4' Push Bar, Add	13.00	
08 71 11 00-2091	EA		3' Push Bar, Surface Vertical Rods, Exit Device .....	948.73	149.91
			Note: Anodized finish: aluminum or dark brown. Von Duprin Series 2227.		
			For 4' Push Bar, Add	13.00	
08 71 11 00-2092	EA		3' Push Bar, Fire Rated, Surface Vertical Rods, Exit Device .....	1,113.66	138.80
			Note: Anodized finish: aluminum or dark brown. Von Duprin Series 2227-F.		
			For 4' Push Bar, Add	13.00	
08 71 11 00-2093	EA		Dummy Trim (Von Duprin Series 22, 210DT) .....	92.94	20.82
			Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2094	EA		Night Latch Trim With Cylinder (Von Duprin Series 22, 210NL) .....	196.08	27.76
			Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2095	EA		Knob Trim With Cylinder (Von Duprin Series 22, 210K) .....	354.60	41.64
			Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2096	EA		Lever Trim With Cylinder (Von Duprin Series 22, 230L) .....	351.56	41.64
			Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2097	EA		Thumbpiece Trim With Cylinder (Von Duprin Series 22, 230TP) .....	350.79	41.64
			Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2098	EA		Blank Escutcheon Knob (Von Duprin Series 22, 210K-BE) .....	279.78	41.64
			Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2099	EA		Exit Only Trim Plate (Von Duprin Series 22, 230EO) .....	113.14	16.66
			Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2100	EA		Dummy Trim (Von Duprin Series 22, 230DT) .....	131.87	20.82
			Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2101	EA		Night Latch Trim With Cylinder (Von Duprin Series 22, 230NL) .....	236.55	27.76
			Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2102	EA		Blank Escutcheon Lever (Von Duprin Series 22, 230L-BE) .....	276.73	41.64
			Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2103	EA		Blank Escutcheon Thumbpiece (Von Duprin Series 22, 230TP-BE) .....	275.96	41.64
			Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2104			<b>Push Bar Exit Device, Narrow Stile, Von Duprin Series 33/35</b> (08 71 11 00-2087) Note: Grade 1, BHMA 156.3. Series 33 has a ribbed case, Series 35 has a smooth case.		
08 71 11 00-2105	EA		3' Push Bar, Rim Type, Narrow Stile Exit Device .....	1,184.48	124.92
			Note: Aluminum anodized finish. Von Duprin Series 33/35.		
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	87.18	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	167.29	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	32.35	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	248.59	
08 71 11 00-2106	EA		3' Push Bar, Surface Vertical Rods, Narrow Stile Exit Device .....	1,596.97	149.91
			Note: Aluminum anodized finish. Von Duprin Series 3327/3527.		
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	122.60	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	235.25	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	45.49	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	349.59	
08 71 11 00-2107	EA		3' Push Bar, Fire Rated, Surface Vertical Rods, Narrow Stile Exit Device .....	1,625.98	149.91
			Note: Aluminum anodized finish. Von Duprin Series 3327-F/3527-F.		
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	125.57	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	240.95	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	46.60	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	358.06	
08 71 11 00-2108	EA		3' Push Bar, Concealed Vertical Rods, Narrow Stile Exit Device .....	1,668.73	172.11
			Note: Aluminum anodized finish. Von Duprin Series 3347/3547.		
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	123.69	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	237.35	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	45.90	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	352.71	

## 08 Openings

08 70 Hardware

08 71 Door Hardware

 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 71 11 00-2109	EA	3' Push Bar, Fire Rated, Concealed Vertical Rods, Narrow Stile Exit Device.....	1,743.56	172.11
		Note: Aluminum anodized finish. Von Duprin Series 3347-F/3547-F.		
		For 4' Push Bar, Add	13.00	
		For DuraNodic Dark Bronze US313 (BHMA 710) Finish, Add	131.35	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	252.06	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	48.74	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	374.56	
08 71 11 00-2110	EA	3' Push Bar, Concealed Vertical Rods, Narrow Stile Exit Device.....	1,848.16	172.11
		Note: Aluminum anodized finish. Von Duprin Series 3348/3548.		
		For 4' Push Bar, Add	13.00	
		For DuraNodic Dark Bronze US313 (BHMA 710) Finish, Add	142.06	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	272.61	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	52.72	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	405.10	
08 71 11 00-2111	EA	3' Push Bar, Fire Rated, Concealed Vertical Rods, Narrow Stile Exit Device.....	1,922.98	172.11
		Note: Aluminum anodized finish. Von Duprin Series 3348-F/3548-F.		
		For 4' Push Bar, Add	13.00	
		For DuraNodic Dark Bronze US313 (BHMA 710) Finish, Add	149.73	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	287.31	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	55.56	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	426.95	
08 71 11 00-2112	EA	Dummy Trim (Von Duprin Series 33/35, DT).....	260.14	20.82
		Note: Anodized finish: aluminum or dark brown.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	40.21	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	7.78	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	59.75	
08 71 11 00-2113	EA	Night Latch With Cylinder, Less Pull (Von Duprin Series 33/35, NL-OP).....	329.69	27.76
		Note: Anodized finish: aluminum or dark brown.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	49.51	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	9.57	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	73.57	
08 71 11 00-2114	EA	Night Latch With Cylinder (Von Duprin Series 33/35, NL).....	513.70	27.76
		Note: Anodized finish: aluminum or dark brown.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	85.67	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	16.57	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	127.30	
08 71 11 00-2115	EA	Lever Trim With Cylinder (Von Duprin Series 33/35, 360L).....	647.04	41.64
		Note: Anodized finish: aluminum or dark brown.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	105.32	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	20.37	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	156.51	
08 71 11 00-2116	EA	Blank Escutcheon Lever With Cylinder (Von Duprin Series 33/35, 360L-BE).....	622.61	41.64
		Note: Anodized finish: aluminum or dark brown.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	100.52	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	19.44	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	149.38	
08 71 11 00-2117	EA	Lever Dummy Trim With Cylinder (Von Duprin Series 33/35, 360L-DT).....	611.15	41.64
		Note: Anodized finish: aluminum or dark brown.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	98.27	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	19.00	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	146.03	
08 71 11 00-2118	EA	Thumbturn Trim With Cylinder (Von Duprin Series 33/35, 360T).....	616.50	41.64
		Note: Anodized finish: aluminum or dark brown.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	99.32	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	19.21	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	147.59	

08 71 11 00-2119 Push Bar Exit Device, Von Duprin Series 98/99 (08 71 11 00-2087)

Note: Grade 1, BHMA 156.3. Series 98 has a smooth case, Series 99 has a grooved case.

08 71 11 00-2120	EA	3' Push Bar, Rim Type, Exit Device (Von Duprin Series 98/99).....	1,057.73	124.92
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For DuraNodic Dark Bronze US313 (BHMA 710) Finish, Add	44.20	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	70.29	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	112.31	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	229.70	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	72.46	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	106.52	
		For Standard Baseplate Cylinder Dogging (CD), Add	48.29	
		For Special Center Case Dogging (SD), Add	202.19	
		For Cylinder Dogging Indicator (CI), Add	134.58	
		For Dogging Indicator (DI), Add	123.64	
		For Quiet Electric Latch Retraction (QEL), Add	540.61	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	62.46	
		For Safety Glow Touchpad, Add	225.37	
08 71 11 00-2121	EA	3' Push Bar, Fire Rated, Rim Type, Exit Device (Von Duprin Series 98-F/99-F).....	1,184.48	124.92
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For DuraNodic Dark Bronze US313 (BHMA 710) Finish, Add	51.93	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	82.58	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	131.96	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	269.88	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	85.14	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	125.15	
		For Quiet Electric Latch Retraction (QEL), Add	540.61	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	62.46	
		For Safety Glow Touchpad, Add	225.37	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2122	EA		3' Push Bar, Rim Type, Exit Device (Von Duprin Series XP98/XP99) ..... Note: Clear anodized satin aluminum US28 (BHMA 628) finish. For 4' Push Bar, Add For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add For Satin Stainless Steel, US32D (BHMA 630) Finish, Add For Standard Baseplate Cylinder Dogging (CD), Add For Special Center Case Dogging (SD), Add For Cylinder Dogging Indicator (CI), Add For Dogging Indicator (DI), Add For Quiet Electric Latch Retraction (QEL), Add For Vision Impaired Touchpad, Raised Letters and Braille, Add For Safety Glow Touchpad, Add	1,142.47	124.92
08 71 11 00-2123	EA		3' Push Bar, Fire Rated, Rim Type, Exit Device (Von Duprin Series XP98-F/XP99-F) ..... Note: Clear anodized satin aluminum US28 (BHMA 628) finish. For 4' Push Bar, Add For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add For Satin Stainless Steel, US32D (BHMA 630) Finish, Add For Quiet Electric Latch Retraction (QEL), Add For Vision Impaired Touchpad, Raised Letters and Braille, Add For Safety Glow Touchpad, Add	1,266.16	124.92
08 71 11 00-2124	EA		3' Push Bar, Surface Vertical Rods, Exit Device (Von Duprin Series 9827/9927) ..... Note: Clear anodized satin aluminum US28 (BHMA 628) finish. For 4' Push Bar, Add For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add For Satin Stainless Steel, US32D (BHMA 630) Finish, Add For Standard Baseplate Cylinder Dogging (CD), Add For Special Center Case Dogging (SD), Add For Cylinder Dogging Indicator (CI), Add For Dogging Indicator (DI), Add For Quiet Electric Latch Retraction (QEL), Add For Vision Impaired Touchpad, Raised Letters and Braille, Add For Safety Glow Touchpad, Add	1,481.68	149.91
08 71 11 00-2125	EA		3' Push Bar, Fire Rated, Surface Vertical Rods, Exit Device (Von Duprin Series 9827-F/9927-F) ..... Note: Clear anodized satin aluminum US28 (BHMA 628) finish. For 4' Push Bar, Add For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add For Satin Stainless Steel, US32D (BHMA 630) Finish, Add For Quiet Electric Latch Retraction (QEL), Add For Vision Impaired Touchpad, Raised Letters and Braille, Add For Safety Glow Touchpad, Add	1,653.48	149.91
08 71 11 00-2126	EA		3' Push Bar, Concealed Vertical Rods, Exit Device (Von Duprin Series 9847/9947) ..... Note: Clear anodized satin aluminum US28 (BHMA 628) finish. For 4' Push Bar, Add For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add For Satin Stainless Steel, US32D (BHMA 630) Finish, Add For Standard Baseplate Cylinder Dogging (CD), Add For Special Center Case Dogging (SD), Add For Cylinder Dogging Indicator (CI), Add For Dogging Indicator (DI), Add For Quiet Electric Latch Retraction (QEL), Add For Vision Impaired Touchpad, Raised Letters and Braille, Add For Safety Glow Touchpad, Add	1,571.00	172.11
08 71 11 00-2127	EA		3' Push Bar, Fire Rated, Concealed Vertical Rods, Exit Device (Von Duprin Series 9847-F/9947-F) ..... Note: Clear anodized satin aluminum US28 (BHMA 628) finish. For 4' Push Bar, Add For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add For Satin Stainless Steel, US32D (BHMA 630) Finish, Add For Quiet Electric Latch Retraction (QEL), Add For Vision Impaired Touchpad, Raised Letters and Braille, Add For Safety Glow Touchpad, Add	1,746.61	172.11

## 08 Openings

## 08 70 Hardware

## 08 71 Door Hardware

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 71 11 00-2128	EA 3' Push Bar, Concealed Vertical Rods, Exit Device (Von Duprin Series 9848/9948) .....	1,750.43	172.11
	Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
	For 4' Push Bar, Add	13.00	
	For DuraNodic Dark Bronze US313 (BHMA 710) Finish, Add	119.93	
	For Satin Chrome Plated US26D (BHMA 626) Finish, Add	125.09	
	For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	199.89	
	For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	408.81	
	For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	128.96	
	For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	189.57	
	For Standard Baseplate Cylinder Dogging (CD), Add	48.29	
	For Special Center Case Dogging (SD), Add	202.19	
	For Cylinder Dogging Indicator (CI), Add	134.58	
	For Dogging Indicator (DI), Add	123.64	
	For Quiet Electric Latch Retraction (QEL), Add	540.61	
	For Vision Impaired Touchpad, Raised Letters and Braille, Add	62.46	
	For Safety Glow Touchpad, Add	225.37	
08 71 11 00-2129	EA 3' Push Bar, Fire Rated, Concealed Vertical Rods, Exit Device (Von Duprin Series 9848-F/9948-F) .....	1,926.04	172.11
	Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
	For 4' Push Bar, Add	13.00	
	For DuraNodic Dark Bronze US313 (BHMA 710) Finish, Add	136.27	
	For Satin Chrome Plated US26D (BHMA 626) Finish, Add	142.13	
	For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	227.11	
	For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	464.47	
	For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	146.52	
	For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	215.39	
	For Quiet Electric Latch Retraction (QEL), Add	540.61	
	For Vision Impaired Touchpad, Raised Letters and Braille, Add	62.46	
	For Safety Glow Touchpad, Add	225.37	
08 71 11 00-2130	EA 3' Push Bar, Concealed Vertical Rods, Exit Device For Wood Door (Von Duprin Series 9847WDC/9947WDC) .....	1,698.51	172.11
	Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
	For 4' Push Bar, Add	13.00	
	For DuraNodic Dark Bronze US313 (BHMA 710) Finish, Add	115.11	
	For Satin Chrome Plated US26D (BHMA 626) Finish, Add	120.06	
	For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	191.84	
	For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	392.35	
	For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	123.77	
	For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	181.94	
	For Standard Baseplate Cylinder Dogging (CD), Add	48.29	
	For Special Center Case Dogging (SD), Add	202.19	
	For Cylinder Dogging Indicator (CI), Add	134.58	
	For Dogging Indicator (DI), Add	123.64	
	For Quiet Electric Latch Retraction (QEL), Add	540.61	
	For Vision Impaired Touchpad, Raised Letters and Braille, Add	62.46	
	For Safety Glow Touchpad, Add	225.37	
08 71 11 00-2131	EA 3' Push Bar, Fire Rated, Concealed Vertical Rods, Exit Device For Wood Door (Von Duprin Series 9847WDC-F/9947WDC-F) .....	1,896.27	172.11
	Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
	For 4' Push Bar, Add	13.00	
	For DuraNodic Dark Bronze US313 (BHMA 710) Finish, Add	133.50	
	For Satin Chrome Plated US26D (BHMA 626) Finish, Add	139.24	
	For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	222.49	
	For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	455.04	
	For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	143.55	
	For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	211.01	
	For Quiet Electric Latch Retraction (QEL), Add	540.61	
	For Vision Impaired Touchpad, Raised Letters and Braille, Add	62.46	
	For Safety Glow Touchpad, Add	225.37	
08 71 11 00-2132	EA 3' Push Bar, Surface Mount, Three Point Latch, Exit Device (Von Duprin Series 9857/9957) .....	1,816.11	149.91
	Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
	For 4' Push Bar, Add	13.00	
	For DuraNodic Dark Bronze US313 (BHMA 710) Finish, Add	86.40	
	For Satin Chrome Plated US26D (BHMA 626) Finish, Add	137.39	
	For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	219.54	
	For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	448.99	
	For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	141.64	
	For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	208.20	
	For Standard Baseplate Cylinder Dogging (CD), Add	48.29	
	For Special Center Case Dogging (SD), Add	202.19	
	For Cylinder Dogging Indicator (CI), Add	134.58	
	For Dogging Indicator (DI), Add	123.64	
	For Quiet Electric Latch Retraction (QEL), Add	540.61	
	For Vision Impaired Touchpad, Raised Letters and Braille, Add	62.46	
	For Safety Glow Touchpad, Add	225.37	
08 71 11 00-2133	EA 3' Push Bar, Fire Rated, Surface Mount, Three Point Latch, Exit Device (Von Duprin Series 9857-F/9957-F) .....	1,929.88	149.91
	Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
	For 4' Push Bar, Add	13.00	
	For DuraNodic Dark Bronze US313 (BHMA 710) Finish, Add	93.34	
	For Satin Chrome Plated US26D (BHMA 626) Finish, Add	148.42	
	For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	237.17	
	For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	485.05	
	For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	153.01	
	For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	224.93	
	For Standard Baseplate Cylinder Dogging (CD), Add	48.29	
	For Special Center Case Dogging (SD), Add	202.19	
	For Cylinder Dogging Indicator (CI), Add	134.58	
	For Dogging Indicator (DI), Add	123.64	
	For Quiet Electric Latch Retraction (QEL), Add	540.61	
	For Vision Impaired Touchpad, Raised Letters and Braille, Add	62.46	
	For Safety Glow Touchpad, Add	225.37	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2134	EA		3' Push Bar, Mortise Lock, Exit Device (Von Duprin Series 9875/9975).....	1,475.43	155.46
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	39.18	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	102.73	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	164.15	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	335.71	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	105.90	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	155.68	
			For Standard Baseplate Cylinder Dogging (CD), Add	48.29	
			For Special Center Case Dogging (SD), Add	202.19	
			For Cylinder Dogging Indicator (CI), Add	134.58	
			For Dogging Indicator (DI), Add	123.64	
			For Quiet Electric Latch Retraction (QEL), Add	540.61	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	62.46	
			For Safety Glow Touchpad, Add	225.37	
08 71 11 00-2135	EA		3' Push Bar, Fire Rated, Mortise Lock, Exit Device (Von Duprin Series 9875-F/9975-F).....	1,604.46	155.46
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	43.96	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	115.24	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	184.15	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	376.62	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	118.81	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	174.64	
			For Quiet Electric Latch Retraction (QEL), Add	540.61	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	62.46	
			For Safety Glow Touchpad, Add	225.37	
08 71 11 00-2136	EA		3' Push Bar, Concealed Vertical Cable, Exit Device (Von Duprin Series 9849/9949).....	1,625.20	172.11
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	108.29	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	112.94	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	180.48	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	369.11	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	116.44	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	171.16	
			For Standard Baseplate Cylinder Dogging (CD), Add	48.29	
			For Special Center Case Dogging (SD), Add	202.19	
			For Cylinder Dogging Indicator (CI), Add	134.58	
			For Dogging Indicator (DI), Add	123.64	
			For Quiet Electric Latch Retraction (QEL), Add	540.61	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	62.46	
			For Safety Glow Touchpad, Add	225.37	
08 71 11 00-2137	EA		3' Push Bar, Fire Rated, Concealed Vertical Cable, Exit Device(Von Duprin Series 9849-F/9949-F) .....	1,753.48	172.11
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	120.22	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	125.39	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	200.36	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	409.77	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	129.27	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	190.02	
			For Standard Baseplate Cylinder Dogging (CD), Add	48.29	
			For Special Center Case Dogging (SD), Add	202.19	
			For Cylinder Dogging Indicator (CI), Add	134.58	
			For Dogging Indicator (DI), Add	123.64	
			For Quiet Electric Latch Retraction (QEL), Add	540.61	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	62.46	
			For Safety Glow Touchpad, Add	225.37	
08 71 11 00-2138	EA		3' Push Bar, Concealed Vertical Cable, Exit Device For Wood Door (Von Duprin Series 9849WDC/9949WDC) .....	1,758.06	172.11
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	120.64	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	125.83	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	201.07	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	411.23	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	129.72	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	190.69	
			For Standard Baseplate Cylinder Dogging (CD), Add	48.29	
			For Special Center Case Dogging (SD), Add	202.19	
			For Cylinder Dogging Indicator (CI), Add	134.58	
			For Dogging Indicator (DI), Add	123.64	
			For Quiet Electric Latch Retraction (QEL), Add	540.61	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	62.46	
			For Safety Glow Touchpad, Add	225.37	

## 08 Openings

08 70 Hardware

08 71 Door Hardware

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 71 11 00-2139	EA 3' Push Bar, Fire Rated, Concealed Vertical Cable, Exit Device For Wood Door (Von Duprin Series 9849WDC-F/9949WDC-F) .....	1,987.12	172.11
	Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
	For 4' Push Bar, Add	13.00	
	For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	141.95	
	For Satin Chrome Plated US26D (BHMA 626) Finish, Add	148.05	
	For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	236.58	
	For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	483.84	
	For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	152.63	
	For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	224.37	
	For Standard Baseplate Cylinder Dogging (CD), Add	48.29	
	For Special Center Case Dogging (SD), Add	202.19	
	For Cylinder Dogging Indicator (CI), Add	134.58	
	For Dogging Indicator (DI), Add	123.64	
	For Quiet Electric Latch Retraction (QEL), Add	540.61	
	For Vision Impaired Touchpad, Raised Letters and Braille, Add	62.46	
	For Safety Glow Touchpad, Add	225.37	
08 71 11 00-2140	EA 3' Push Bar, Chexit Delayed Egress, Exit Device (Von Duprin Series CX98/CX99) .....	2,223.41	144.35
	Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
	For 4' Push Bar, Add	13.00	
	For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	284.39	
	For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	581.62	
	For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	183.48	
	For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	68.25	
	For Satin Chrome Plated US26D (BHMA 626) Finish, Add	76.69	
	For Center Case Dogging (CD-CX), Add	218.28	
	For Quiet Electric Latch Retraction (QEL), Add	540.61	
	For Vision Impaired Touchpad, Raised Letters and Braille, Add	62.46	
	For Safety Glow Touchpad, Add	225.37	
08 71 11 00-2141	EA 3' Push Bar, Fire Rated, Chexit Delayed Egress, Exit Device (Von Duprin Series CX98-F/CX99-F) .....	2,350.16	144.35
	Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
	For 4' Push Bar, Add	13.00	
	For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	304.04	
	For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	621.80	
	For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	196.15	
	For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	72.97	
	For Satin Chrome Plated US26D (BHMA 626) Finish, Add	81.99	
	For Quiet Electric Latch Retraction (QEL), Add	540.61	
	For Vision Impaired Touchpad, Raised Letters and Braille, Add	62.46	
	For Safety Glow Touchpad, Add	225.37	
08 71 11 00-2142	EA 3' Push Bar, Mortise Chexit Delayed Egress, Exit Device (Von Duprin Series CX9875/CX9975) .....	2,652.22	177.67
	Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
	For 4' Push Bar, Add	13.00	
	For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	336.23	
	For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	687.64	
	For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	216.92	
	For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	80.69	
	For Satin Chrome Plated US26D (BHMA 626) Finish, Add	90.67	
	For Center Case Dogging (CD-CX), Add	218.28	
	For Quiet Electric Latch Retraction (QEL), Add	540.61	
	For Vision Impaired Touchpad, Raised Letters and Braille, Add	62.46	
	For Safety Glow Touchpad, Add	225.37	
08 71 11 00-2143	EA 3' Push Bar, Fire Rated, Mortise Chexit Delayed Egress, Exit Device (Von Duprin Series CX9875-F/CX9975-F) .....	2,781.26	177.67
	Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
	For 4' Push Bar, Add	13.00	
	For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	356.23	
	For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	728.54	
	For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	229.82	
	For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	85.49	
	For Satin Chrome Plated US26D (BHMA 626) Finish, Add	96.07	
	For Quiet Electric Latch Retraction (QEL), Add	540.61	
	For Vision Impaired Touchpad, Raised Letters and Braille, Add	62.46	
	For Safety Glow Touchpad, Add	225.37	
08 71 11 00-2144	EA 3' Push Bar, Electric Latch Retraction, Exit Device (Von Duprin Series E98/E99) .....	1,475.15	144.35
	Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
	For 4' Push Bar, Add	13.00	
	For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	168.41	
	For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	344.42	
	For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	108.65	
	For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	40.42	
	For Satin Chrome Plated US26D (BHMA 626) Finish, Add	62.37	
	For Standard Baseplate Cylinder Dogging (CD), Add	48.29	
	For Special Center Case Dogging (SD), Add	202.19	
	For Dogging Indicator (DI), Add	123.64	
	For Quiet Electric Latch Retraction (QEL), Add	540.61	
	For Vision Impaired Touchpad, Raised Letters and Braille, Add	62.46	
	For Safety Glow Touchpad, Add	225.37	
08 71 11 00-2145	EA 3' Push Bar, Fire Rated, Electric Latch Retraction, Exit Device (Von Duprin Series E98-F/E99-F) .....	1,601.90	144.35
	Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
	For 4' Push Bar, Add	13.00	
	For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	188.06	
	For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	384.60	
	For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	121.33	
	For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	45.13	
	For Satin Chrome Plated US26D (BHMA 626) Finish, Add	69.64	
	For Quiet Electric Latch Retraction (QEL), Add	540.61	
	For Vision Impaired Touchpad, Raised Letters and Braille, Add	62.46	
	For Safety Glow Touchpad, Add	225.37	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2146	EA		3' Push Bar, Mortise Electric Latch Retraction, Exit Device (Von Duprin Series E9875/E9975).....	1,903.96	177.67
			Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	220.25	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	450.44	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	142.09	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	52.86	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	81.56	
			For Standard Baseplate Cylinder Dogging (CD), Add	48.29	
			For Special Center Case Dogging (SD), Add	202.19	
			For Dogging Indicator (DI), Add	123.64	
			For Quiet Electric Latch Retraction (QEL), Add	540.61	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	62.46	
			For Safety Glow Touchpad, Add	225.37	
08 71 11 00-2147	EA		3' Push Bar, Fire Rated, Mortise Electric Latch Retraction, Exit Device (Von Duprin Series E9875-F/E9975-F).....	2,032.99	177.67
			Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	240.25	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	491.34	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	155.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	57.66	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	88.97	
			For Quiet Electric Latch Retraction (QEL), Add	540.61	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	62.46	
			For Safety Glow Touchpad, Add	225.37	
08 71 11 00-2148	EA		Exit Only Trim Plate (Von Duprin Series 98/99, EO).....	125.55	16.66
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	2.43	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	3.65	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	13.79	
08 71 11 00-2149	EA		Dummy Trim (Von Duprin Series 98/99, 990DT).....	181.72	20.82
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	3.79	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	5.68	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	21.45	
08 71 11 00-2150	EA		Night Latch Pull Trim With 110NL Cylinder (Von Duprin Series 98/99, 990NL).....	287.78	27.76
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	6.30	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	9.45	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	35.71	
08 71 11 00-2151	EA		Night Latch Pull Trim Without Cylinder (Von Duprin Series 98/99, 990NL).....	212.95	27.76
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	4.06	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	6.08	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	22.99	
08 71 11 00-2152	EA		Lever Trim With 110NL Cylinder (Von Duprin Series 98/99, 996L).....	477.56	41.64
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	11.00	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	16.49	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	62.31	
08 71 11 00-2153	EA		Lever Trim Without Cylinder (Von Duprin Series 98/99, 996L).....	402.73	41.64
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	8.75	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	13.13	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	49.59	
08 71 11 00-2154	EA		Blank Escutcheon, Lever (Von Duprin Series 98/99, 996L-BE).....	402.73	41.64
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	8.75	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	13.13	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	49.59	
08 71 11 00-2155	EA		Night Latch, Lever With 110NL Cylinder (Von Duprin Series 98/99, 996L-NL).....	413.17	41.64
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	9.06	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	13.60	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	51.36	
08 71 11 00-2156	EA		Night Latch, Lever Without Cylinder (Von Duprin Series 98/99, 996L-NL).....	338.34	41.64
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	6.82	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	10.23	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	38.64	
08 71 11 00-2157	EA		Lever Dummy Trim (Von Duprin Series 98/99, 996L-DT).....	338.34	41.64
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	6.82	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	10.23	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	38.64	
08 71 11 00-2158	EA		Knob Trim With 110NL Cylinder (Von Duprin Series 98/99, K).....	402.87	41.64
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	8.75	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	13.13	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	49.61	
08 71 11 00-2159	EA		Knob Trim Without Cylinder (Von Duprin Series 98/99, K).....	328.05	41.64
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	6.51	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	9.77	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	36.89	
08 71 11 00-2160	EA		Blank Escutcheon, Knob (Von Duprin Series 98/99, K-BE).....	328.05	41.64
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	6.51	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	9.77	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	36.89	

**08 Openings****08 70 Hardware****08 71 Door Hardware**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 71 11 00-2161	EA	Night Latch, Knob With 110NL Cylinder (Von Duprin Series 98/99, K-NL).....	397.07	41.64
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	8.58	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	12.87	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	48.63	
08 71 11 00-2162	EA	Night Latch, Knob Without Cylinder (Von Duprin Series 98/99, K-NL).....	322.25	41.64
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	6.34	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	9.50	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	35.91	
08 71 11 00-2163	EA	Dummy Trim For Knob Without Cylinder (Von Duprin Series 98/99, K-DT).....	322.25	41.64
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	6.34	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	9.50	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	35.91	
08 71 11 00-2164	EA	Thumbpiece Trim With 110NL Cylinder (Von Duprin Series 98/99, TP) .....	365.52	41.64
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	7.63	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	11.45	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	43.26	
08 71 11 00-2165	EA	Thumbpiece Trim Without Cylinder (Von Duprin Series 98/99, TP) .....	290.69	41.64
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	5.39	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	8.08	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	30.54	
08 71 11 00-2166	EA	Blank Escutcheon, Thumbpiece (Von Duprin Series 98/99, T-BE) .....	290.69	41.64
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	5.39	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	8.08	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	30.54	
08 71 11 00-2167	EA	Push/Pull Hospital Latch Trim With 110NL Cylinder (Von Duprin Series 98/99, HL) .....	311.08	41.64
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	6.00	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	9.00	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	34.01	
<b>08 71 11 00-2168</b>		<b>Option And Kits For Series 22, 33, 35, 98 Or 99</b> (08 71 11 00-2087)		
08 71 11 00-2169	EA	Alarm Kit With Switch And 9 Volt Battery Back-up.....	776.06	41.64
08 71 11 00-2170	EA	4 Amperes Output Current, 12-24 Volt DC, Power Supply (Von Duprin PS914) .....	629.98	41.64
		For Battery Backup (Includes Board And 2 Batteries), Add	54.33	
		For Fire Alarm Interface, Add	27.17	
		For 2 Relay Panic Device Control Board, Add	63.03	
		For 2 Relay Quiet Electric Latch Panic Device Control Board, Add	73.89	
		For 4 Relay Output Board, Add	60.85	
		For 4 Relay Logic Board, Add	166.90	
		For Fused 8 Zone Distribution Board, Add	21.73	
08 71 11 00-2171	EA	Jamb Mounted Concealed Electric Power Transfer (Von Duprin EPT-10).....	589.69	41.64
08 71 11 00-2172	EA	2 Amperes Output Current, 12/24 Volt DC, Power Supply (Von Duprin PS902).....	333.71	41.64
		For Battery Backup (Includes Board And 2 Batteries), Add	54.33	
		For Fire Alarm Interface, Add	27.17	
		For 2 Relay Quiet Electric Latch Panic Device Control Board, Add	73.89	
		For 4 Relay Output Board, Add	60.85	
		For 4 Relay Logic Board, Add	166.90	
		For Fused 8 Zone Distribution Board, Add	21.73	
08 71 11 00-2173	EA	4 Amperes Output Current, 12/24 Volt DC, Power Supply (Von Duprin PS904).....	530.75	41.64
		For Battery Backup (Includes Board And 2 Batteries), Add	54.33	
		For Fire Alarm Interface, Add	27.17	
		For 2 Relay Quiet Electric Latch Panic Device Control Board, Add	73.89	
		For 4 Relay Output Board, Add	60.85	
		For 4 Relay Logic Board, Add	166.90	
		For Fused 8 Zone Distribution Board, Add	21.73	
08 71 11 00-2174	EA	Request to Exit Push Pad Monitor Switch (RX) .....	178.51	27.76
<b>08 71 11 00-2175</b>		<b>Removable Verticals, Mullions (Von Duprin)</b> (08 71 11 00-2087)		
08 71 11 00-2176	EA	7'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-72).....	462.27	27.76
		Note: For use with Von Duprin Panic rim devices.		
		For Owner Furnished Material, Deduct	-351.23	
08 71 11 00-2177	EA	8'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-82).....	489.75	27.76
		Note: For use with Von Duprin Panic rim devices.		
		For Owner Furnished Material, Deduct	-378.71	
08 71 11 00-2178	EA	10'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-102).....	786.24	27.76
		Note: For use with Von Duprin Panic rim devices.		
		For Owner Furnished Material, Deduct	-675.20	
08 71 11 00-2179	EA	7'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-76) .....	777.67	33.31
		Note: For use with Von Duprin Panic rim devices.		
		For Owner Furnished Material, Deduct	-644.42	
08 71 11 00-2180	EA	8'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-86) .....	805.16	33.31
		Note: For use with Von Duprin Panic rim devices.		
		For Owner Furnished Material, Deduct	-671.91	
08 71 11 00-2181	EA	10'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-106) .....	865.48	33.31
		Note: For use with Von Duprin Panic rim devices.		
		For Owner Furnished Material, Deduct	-732.23	
08 71 11 00-2182	EA	7'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-73).....	654.67	27.76
		Note: For use with Von Duprin Panic rim devices.		
		For Owner Furnished Material, Deduct	-543.63	
08 71 11 00-2183	EA	8'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-83).....	682.93	27.76
		Note: For use with Von Duprin Panic rim devices.		
		For Owner Furnished Material, Deduct	-571.89	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2184	EA		10'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-103).....	740.19	27.76
			Note: For use with Von Duprin Panic rim devices.		
			<i>For Owner Furnished Material, Deduct</i>	-629.15	
08 71 11 00-2185	EA		7'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-75).....	999.86	33.31
			Note: For use with Von Duprin Panic rim devices.		
			<i>For Owner Furnished Material, Deduct</i>	-866.61	
08 71 11 00-2186	EA		8'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-85).....	1,028.11	33.31
			Note: For use with Von Duprin Panic rim devices.		
			<i>For Owner Furnished Material, Deduct</i>	-894.86	
08 71 11 00-2187	EA		10'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-105).....	1,915.87	33.31
			Note: For use with Von Duprin Panic rim devices.		
			<i>For Owner Furnished Material, Deduct</i>	-1,782.62	
08 71 11 00-2188	EA		Mullion Stabilizer Set (Von Duprin 154) .....	101.68	22.20
			Note: For use with Von Duprin Panic rim devices.		
			<i>For Owner Furnished Material, Deduct</i>	-57.26	
<b>08 71 11 00-2189</b>			<b>Cross Bar Exit Device, Narrow Stile, Von Duprin Series 55</b> <small>(08 71 11 00-2087)</small>		
			Note: Grade 1, BHMA 156.3.		
08 71 11 00-2190	EA		42" Crossbar Exit Device, Rim Type, Narrow Stile .....	1,791.48	124.92
			Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 55.		
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	183.75	
			<i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i>	211.46	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	278.54	
			<i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	303.34	
08 71 11 00-2191	EA		42" Crossbar Exit Device, Concealed Vertical Rod, Narrow Stile .....	2,313.92	172.11
			Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547.		
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	233.49	
			<i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i>	268.70	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	353.94	
			<i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	385.44	
08 71 11 00-2192	EA		42" Crossbar Exit Device, Concealed Vertical Rod, Narrow Stile, Fire Rated .....	2,520.83	172.11
			Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547-F.		
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	259.56	
			<i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i>	298.70	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	393.46	
			<i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	428.48	
08 71 11 00-2193	EA		42" Crossbar Exit Device, Wood Door Concealed Vertical Rod, Narrow Stile .....	2,365.07	172.11
			Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547WDC.		
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	239.94	
			<i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i>	276.12	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	363.71	
			<i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	396.08	
08 71 11 00-2194	EA		42" Crossbar Exit Device, Wood Door Concealed Vertical Rod, Narrow Stile, Fire Rated .....	2,565.88	172.11
			Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547WDC-F.		
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	265.24	
			<i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i>	305.23	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	402.07	
			<i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	437.85	
08 71 11 00-2195	EA		42" Crossbar Exit Device, Mortise Lock, Narrow Stile .....	1,807.55	155.46
			Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5575.		
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	175.28	
			<i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i>	201.72	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	265.71	
			<i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	289.36	
08 71 11 00-2196	EA		42" Crossbar Exit Device, Mortise Lock, Narrow Stile, Fire Rated.....	1,942.70	155.46
			Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5575-F.		
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	192.31	
			<i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i>	221.31	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	291.52	
			<i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	317.47	
08 71 11 00-2197	EA		Dummy Trim (DT) Pull Bracket, Von Duprin Series 55 .....	306.73	20.82
			Note: Anodized finish: dull brass or dull bronze.		
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	31.65	
			<i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i>	36.43	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	47.98	
			<i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	52.25	
08 71 11 00-2198	EA		Cylinder Assembly, Von Duprin Series 55 .....	148.74	29.42
			Note: Anodized finish: dull brass or dull bronze.		
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	8.95	
			<i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i>	10.30	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	13.56	
			<i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	14.77	
08 71 11 00-2199	EA		Night Latch Pull Trim (NL) With Cylinder, Von Duprin Series 55 .....	514.47	29.42
			Note: Anodized finish: dull brass or dull bronze.		
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	55.03	
			<i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i>	63.33	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	83.42	
			<i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	90.84	
08 71 11 00-2200	EA		Thumbturn Trim (376T) With Cylinder, Von Duprin Series 55 .....	556.95	41.64
			Note: Anodized finish: dull brass or dull bronze.		
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	56.18	
			<i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i>	64.66	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	85.17	
			<i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	92.75	
08 71 11 00-2201	EA		Thumbturn - Blank Escutcheon (376T-BE), Von Duprin Series 55 .....	457.68	41.64
			Note: Anodized finish: dull brass or dull bronze.		
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	43.68	
			<i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i>	50.26	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	66.21	
			<i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	72.10	

## 08 Openings

08 70 Hardware

08 71 Door Hardware

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 71 11 00-2202	EA Lever Trim (371L) With Cylinder, Von Duprin Series 55 ..... Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	556.95 56.18 64.66 85.17 92.75	41.64
08 71 11 00-2203	EA Lever Trim (575L) With Cylinder, Von Duprin Series 55 ..... Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	637.88 66.38 76.39 100.63 109.58	41.64
08 71 11 00-2204	<b>Cross Bar Exit Device, Von Duprin Series 88</b> (08 71 11 00-2087) Note: Grade 1, BHMA 156.3.		
08 71 11 00-2205	EA 42" Crossbar, Rim Type, Exit Device..... Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 88. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,160.04 25.63 26.46 225.75	124.92
08 71 11 00-2206	EA 42" Crossbar, Fire Rated, Rim Type, Exit Device ..... Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 88-F. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,342.52 31.29 32.30 275.56	124.92
08 71 11 00-2207	EA 42" Crossbar, Surface Vertical Rods, Exit Device..... Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8827. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,494.66 33.94 35.04 298.91	149.91
08 71 11 00-2208	EA 42" Crossbar, Fire Rated, Surface Vertical Rods, Exit Device..... Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8827-F. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,889.40 46.18 47.67 406.67	149.91
08 71 11 00-2209	EA 42" Crossbar, Concealed Vertical Rods, Exit Device..... Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8847. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,456.39 30.86 31.86 271.79	172.11
08 71 11 00-2210	EA 42" Crossbar, Fire Rated, Concealed Vertical Rods, Exit Device ..... Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8847-F. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,815.33 41.99 43.34 369.78	172.11
08 71 11 00-2211	EA 42" Crossbar, Mortise Lock, Exit Device..... Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8875. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,546.43 35.03 36.16 308.50	155.46
08 71 11 00-2212	EA 42" Crossbar, Fire Rated, Mortise Lock, Exit Device ..... Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8875-F. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,639.58 37.92 39.14 333.93	155.46
08 71 11 00-2213	EA Dummy Trim (Von Duprin Series 88, DT) ..... Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	176.16 3.74 3.86 32.93	20.82
08 71 11 00-2214	EA Night Latch Pull Trim With Cylinder (Von Duprin Series 88, NL)..... Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	280.06 6.27 6.47 55.24	27.76
08 71 11 00-2215	EA Thumbturn Trim With Cylinder (Von Duprin Series 88, 376T Or 377T)..... Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	482.12 11.50 11.87 101.30	41.64
08 71 11 00-2216	EA Lever Trim With Cylinder (Von Duprin Series 88, 373L) ..... Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	451.58 10.56 10.90 92.97	41.64
08 71 11 00-2217	EA Knob Trim With Cylinder (Von Duprin Series 88, K) ..... Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	348.50 7.36 7.60 64.83	41.64
08 71 11 00-2218	EA Thumbpiece Trim With Cylinder (Von Duprin Series 88, TP)..... Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	348.50 7.36 7.60 64.83	41.64
08 71 11 00-2219	<b>Push Bar Exit Device, Narrow Stile, Adams Rite Series 8800</b> (08 71 11 00-2087) Note: Grade 1, BHMA 156.3.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2220	EA		30" to 48" Push Bar Exit Device, Rim Type, Narrow Stile..... Note: Adams Rite 8800	966.02	124.92
08 71 11 00-2221	EA		Clutch Lever Entry Trim, Adams Rite Model 3081 .....	558.37	41.64
08 71 11 00-2222	EA		Clutch Lever Entry Trim, Adams Rite Model 3082 Or 3083 .....	484.48	41.64
08 71 11 00-2223	EA		Thumbturn Trim, Adams Rite Model 8066 .....	370.75	41.64
08 71 11 00-2224	EA		Mortise Cylinder, Adams Rite Model 4036-01.....	71.50	41.64
08 71 11 00-2225	EA		Rim Cylinder, Adams Rite Model 8736 .....	78.65	41.64
<b>08 71 11 00-2226</b>			<b>Push Bar Exit Device, Precision Hardware Apex 2000 Series</b> <small>(08 71 11 00-2087)</small> Note: Grade 1, BHMA 156.3. Anodized Aluminum Finish.		
08 71 11 00-2227	EA		3' Push Bar Exit Device, Rim Type (Precision Hardware 2100 Series)..... <i>For 4' Push Bar, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,382.13 13.00 -1,049.00	124.92
08 71 11 00-2228	EA		3' Push Bar Exit Device, Rim Type, Fire Rated (Precision Hardware 2100 Series)..... <i>For 4' Push Bar, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,454.21 13.00 -1,121.08	124.92
08 71 11 00-2229	EA		3' Push Bar Exit Device, Surface Vertical Rod (Top Only) (Precision Hardware 2200 Series) .....	1,880.30	149.91
			<i>For 4' Push Bar, Add</i> <i>For Owner Furnished Material, Deduct</i>	13.00 -1,480.55	
08 71 11 00-2230	EA		3' Push Bar Exit Device, Surface Vertical Rod (Top Only), Fire Rated (Precision Hardware 2200 Series)..... <i>For 4' Push Bar, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,952.37 13.00 -1,552.62	149.91
08 71 11 00-2231	EA		Exit Only, Cover Plate, Lever/Knob Trim (Precision 4901) .....	169.62	16.66
			<i>For Owner Furnished Material, Deduct</i>	-125.20	
08 71 11 00-2232	EA		Exit Only, Dummy Trim, Lever/Knob Trim (Precision 4902A) .....	435.85	20.82
			<i>For Owner Furnished Material, Deduct</i>	-380.33	
08 71 11 00-2233	EA		Key Retracts Latchbolt, Lever/Knob Trim (Precision 4903A) .....	491.37	41.64
			<i>For Owner Furnished Material, Deduct</i>	-380.33	
08 71 11 00-2234	EA		Key Controls Lever/Knob, Lever/Knob Trim (Precision 4908A) .....	586.22	41.64
			<i>For Owner Furnished Material, Deduct</i>	-475.18	
08 71 11 00-2235	EA		Key Controls Lever, Lever/Knob Trim (Precision V4908A) .....	586.22	41.64
			<i>For Owner Furnished Material, Deduct</i>	-475.18	
08 71 11 00-2236	EA		Lever/Knob Always Active, Lever/Knob Trim (Precision 4914A).....	586.22	41.64
			<i>For Owner Furnished Material, Deduct</i>	-475.18	
08 71 11 00-2237	EA		Exit Only, Cover Plate, Pull Trim (Precision 1701).....	127.87	16.66
			<i>For Owner Furnished Material, Deduct</i>	-83.45	
08 71 11 00-2238	EA		Exit Only, Dummy Trim, Pull Trim (Precision 1702A) .....	262.29	20.82
			<i>For Owner Furnished Material, Deduct</i>	-206.77	
08 71 11 00-2239	EA		Key Retracts Latchbolt, Pull Trim (Precision 1703A) .....	284.50	27.76
			<i>For Owner Furnished Material, Deduct</i>	-206.77	
08 71 11 00-2240	EA		Key Controls Thumb Piece, Pull Trim (Precision 1705A).....	401.26	41.64
			<i>For Owner Furnished Material, Deduct</i>	-290.22	
08 71 11 00-2241	EA		Thumb Piece Always Active, Pull Trim (Precision 1715A) .....	401.26	41.64
			<i>For Owner Furnished Material, Deduct</i>	-290.22	
<b>08 71 11 00-2242</b>			<b>Door Closers</b> <small>(08 71 11)</small> Note: Includes standard cover and arm.		
08 71 11 00-2243	EA		Surface Mounted Standard Duty Door Closer (LCN 1460 Series) .....	411.42	32.20
			<i>For Delayed Action, Add</i> <i>For AVB (5 LB Per Push), Add</i> <i>For Fusible Link Arm, Add</i> <i>For Shock Absorbing Arm, Add</i> <i>For Hold Open Arm, Add</i> <i>For Plated Brass Finish, Add</i> <i>For Plated Finish With Clear Coat, Add</i> <i>For Parallel Arm, Add</i>	12.60 6.60 39.60 19.80 13.80 101.40 127.20 22.40	
08 71 11 00-2244	EA		Surface Mounted Heavy Duty Door Closer - LCN 4040 Series.....	494.63	32.20
			<i>For Delayed Action, Add</i> <i>For AVB (5 LB Per Push), Add</i> <i>For Fusible Link Arm, Add</i> <i>For Shock Absorbing Arm, Add</i> <i>For Hold Open Arm, Add</i> <i>For Plated Brass Finish, Add</i> <i>For Plated Finish With Clear Coat, Add</i>	12.60 6.60 39.60 19.80 13.80 101.40 127.20	
08 71 11 00-2245	EA		Surface Mounted Heavy Duty Door Closer (LCN 4040XP/4041 Series).....	507.86	32.20
			<i>For Delayed Action, Add</i> <i>For AVB (5 LB Per Push), Add</i> <i>For Fusible Link Arm, Add</i> <i>For Shock Absorbing Arm, Add</i> <i>For Hold Open Arm, Add</i> <i>For Plated Brass Finish, Add</i> <i>For Plated Finish With Clear Coat, Add</i> <i>For Spring Cush Arm, Add</i> <i>For Parallel Arm And PA Shoe, Add</i> <i>For Stainless Steel Finish, Add</i>	12.60 6.60 39.60 19.80 13.80 101.40 127.20 67.20 22.40 145.00	
08 71 11 00-2246	EA		Surface Mounted High Security Door Closer With Metal Cover (LCN 4510) .....	524.42	32.20
			<i>For Delayed Action, Add</i> <i>For AVB (5 LB Per Push), Add</i> <i>For Fusible Link Arm, Add</i> <i>For Shock Absorbing Arm, Add</i> <i>For Hold Open Arm, Add</i> <i>For Plated Brass Finish, Add</i> <i>For Plated Finish With Clear Coat, Add</i>	12.60 6.60 39.60 19.80 13.80 101.40 127.20	
08 71 11 00-2247	EA		Surface Mounted Standard Duty Door Closer (Norton 8301) .....	349.10	32.20
			<i>For Parallel Arm, Add</i>	22.40	
08 71 11 00-2248	EA		Surface Mounted Standard Duty Door Closer (Norton 8501) .....	351.88	32.20
			<i>For Parallel Arm, Add</i>	22.40	

**08 Openings****08 70 Hardware****08 71 Door Hardware**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

<b>08 71 11 00-2249</b>	<b>Concealed Door Closers</b> <small>(08 71 11)</small>		
08 71 11 00-2250	EA Non Hold Open, Floor Concealed Door Closer (Rixson 27/28).....	1,164.87	95.49
08 71 11 00-2251	EA Selective Hold Open, Floor Concealed Door Closer (Rixson 27/27).....	1,242.86	95.49
08 71 11 00-2252	EA Concealed (In Door) Overhead Door Closer (LCN 3130).....	584.45	38.87
	<i>For Hold Open Arm, Add</i>	13.80	
	<i>For Plated Brass Finish, Add</i>	101.40	
	<i>For Plated Finish With Clear Coat, Add</i>	127.20	
08 71 11 00-2253	EA Concealed (In Frame) Overhead Door Closer (LCN 5010).....	630.07	38.87
	<i>For Delayed Action, Add</i>	12.60	
	<i>For Hold Open Arm, Add</i>	13.80	
	<i>For Plated Brass Finish, Add</i>	101.40	
	<i>For Plated Finish With Clear Coat, Add</i>	127.20	
<b>08 71 11 00-2254</b>	<b>Locks And Latches</b> <small>(08 71 11)</small>		
	Note: All locksets are supplied with knob, lever or thumb piece, set of 3 keys and include a core. Multi purchase locksets can be keyed alike and to an existing master key (when required). The cost for boring hole or preparing mortise is included with the new door.		
<b>08 71 11 00-2255</b>	<b>Locksmith Services</b> <small>(08 71 11 00-2254)</small>		
08 71 11 00-2256	EA Provide Extra Keys (Above The Three Provided For New Locks) Or Duplicate Keys.....	1.42	
	<i>For &gt;50, Deduct</i>	-0.28	
08 71 11 00-2257	EA Rekey Existing Cylinder To Match Existing Cylinders Or Master Key.....	133.30	
	<i>For &gt;5, Deduct</i>	-13.33	
08 71 11 00-2258	EA Removal And Replacement Of Cylinder With Owner Supplied Cylinder.....	133.30	
	<i>For &gt;5, Deduct</i>	-13.33	
08 71 11 00-2259	EA Removal And Replacement Of Cylinder With New Cylinder.....	148.43	
	Note: Excludes core.		
	<i>For &gt;5, Deduct</i>	-13.33	
08 71 11 00-2260	EA Open Locked Doors.....	133.30	
08 71 11 00-2261	EA Install Owner Furnished Cores And Cylinders.....	55.90	
<b>08 71 11 00-2262</b>	<b>Mortise Locksets And Latchsets</b> <small>(08 71 11 00-2254)</small>		
	Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.13 Grade 1. Levers or knobs.		
08 71 11 00-2263	EA Passage/Closet F01 Mortise Latchset.....	670.86	27.76
	Note: Both sides always unlocked.		
	<i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i>	18.47	
	<i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i>	16.79	
	<i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i>	27.99	
	<i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i>	197.62	
08 71 11 00-2264	EA Bath/Bedroom Privacy F02/F19 Mortise Lockset.....	795.25	27.76
	Note: Locked with thumb knob inside.		
	<i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i>	22.58	
	<i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i>	20.53	
	<i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i>	34.21	
	<i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i>	241.53	
08 71 11 00-2265	EA Entrance/Office F04 Mortise Lockset.....	883.23	27.76
	Note: Locked with key outside and thumb knob inside.		
	<i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i>	25.48	
	<i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i>	23.17	
	<i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i>	38.61	
	<i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i>	272.58	
08 71 11 00-2266	EA Classroom F05 Mortise Lockset.....	825.44	27.76
	Note: Locked with key outside. Inside always unlocked.		
	<i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i>	23.58	
	<i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i>	21.43	
	<i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i>	35.72	
	<i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i>	252.18	
	<i>For Security Function (Double Cylinder) With Visual Indicator, Add</i>	63.73	
08 71 11 00-2267	EA Storerom/Closet F07 Mortise Lockset.....	825.44	27.76
	Note: Locked with key outside. Inside always unlocked. Fixed outside handle.		
	<i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i>	23.58	
	<i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i>	21.43	
	<i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i>	35.72	
	<i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i>	252.18	
08 71 11 00-2268	EA Entrance F08 Mortise Lockset.....	920.07	27.76
	Note: Locked with key outside and thumb knob inside.		
	<i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i>	26.70	
	<i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i>	24.27	
	<i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i>	40.45	
	<i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i>	285.59	
08 71 11 00-2269	EA Dormitory/Exit F13 Mortise Lockset.....	794.38	27.76
	Note: Locked with key outside and thumb knob inside.		
	<i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i>	22.55	
	<i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i>	20.50	
	<i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i>	34.17	
	<i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i>	241.22	
<b>08 71 11 00-2270</b>	<b>Locks And Latches</b> <small>(08 71 11 00-2254)</small>		
<b>08 71 11 00-2271</b>	<b>Preassembled Locks And Latches</b> <small>(08 71 11 00-2270)</small>		
	Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989 Grade 1, with knob handles.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 71 11 00-2272	EA		Passage/Closet F36 Pre-Assembled Latchset (Corbin Russwin UT5210) ..... Note: Both sides always unlocked. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add For Grade 2, Deduct	1,202.30  33.57 55.95 395.01 208.14 -435.30	27.76
08 71 11 00-2273	EA		Bath/Bedroom Privacy F37 Pre-Assembled Lockset (Corbin Russwin UT5220) ..... Note: Locked with push button inside. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add For Grade 2, Deduct	1,300.13  36.51 60.84 429.55 226.33 -473.35	27.76
08 71 11 00-2274	EA		Entrance/Office F41 Pre-Assembled Lockset (Corbin Russwin UT5261) ..... Note: Locked with key outside and push button inside. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add For Grade 2, Deduct	1,475.55  41.77 69.61 491.47 258.96 -541.59	27.76
08 71 11 00-2275	EA		Classroom F42 Pre-Assembled Lockset (Corbin Russwin UT5255)..... Note: Locked with key outside. Inside always unlocked. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add For Grade 2, Deduct	1,475.55  41.77 69.61 491.47 258.96 -541.59	27.76
08 71 11 00-2276	EA		Storeroom/Closet F44 Pre-Assembled Lockset (Corbin Russwin UT5257)..... Note: Locked with key outside. Inside always unlocked. Fixed outside handle. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add For Grade 2, Deduct	1,475.55  41.77 69.61 491.47 258.96 -541.59	27.76

**08 71 11 00-2277 Bored Locks And Latches** (08 71 11 00-2270)

Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989, Grade 1, 6 pins or 7 pins. Levers or knobs.					
08 71 11 00-2278	EA		Passage/Closet F75 Bored Latchset ..... Note: Both sides always unlocked. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add For Grade 2, Deduct For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add For Interchangeable Core, Add	252.18  4.23 7.06 49.82 26.25 -7.06 2.82 9.45	27.76
08 71 11 00-2279	EA		Bath/Bedroom Privacy F76 Bored Lockset ..... Note: Locked with push button inside. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add For Grade 2, Deduct For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add For Interchangeable Core, Add	285.83  5.24 8.74 61.70 32.51 -8.74 3.50 9.45	27.76
08 71 11 00-2280	EA		Entrance/Office F82 Bored Lockset ..... Note: Locked with key outside and push button inside. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add For Grade 2, Deduct For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add For Interchangeable Core, Add	312.97  6.06 10.10 71.28 37.56 -10.10 4.04 9.45	27.76
08 71 11 00-2281	EA		Classroom F84 Bored Lockset..... Note: Locked with key outside. Inside always unlocked. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add For Grade 2, Deduct For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add For Interchangeable Core, Add	312.97  6.06 10.10 71.28 37.56 -10.10 4.04 9.45	27.76
08 71 11 00-2282	EA		Storeroom/Closet F86 Bored Lockset..... Note: Locked with key outside. Inside always unlocked. Fixed outside handle. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add For Grade 2, Deduct For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add For Interchangeable Core, Add	312.97  6.06 10.10 71.28 37.56 -10.10 4.04 9.45	27.76

**08 Openings****08 70 Hardware****08 71 Door Hardware**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 71 11 00-2283	EA	Corridor/Dormitory F90 Bored Lockset ..... Note: Locked with key outside and push button inside. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add For Grade 2, Deduct For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add For Interchangeable Core, Add	312.97 6.06 10.10 71.28 37.56 -10.10 4.04 9.45	27.76
<b>08 71 11 00-2284</b>		<b>Hospital Locksets</b> (08 71 11 00-2270) Note: Satin chrome plated US 26D. (BHMA 626) - BHMA 156.2-1989 Grade 1.		
08 71 11 00-2285	EA	Push/Pull Hospital Latch (Glynn Johnson HL6) ..... For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel, US32D (BHMA 630) Finish, Add For Bright Chrome Plated US26 (BHMA 625) Finish, Add	504.69 91.62 91.62 62.54 55.26 84.35	27.76
08 71 11 00-2286	EA	Push/Pull With Thumbturn Hospital Latch (Glynn Johnson PL7 / PL8)..... For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel, US32D (BHMA 630) Finish, Add For Bright Chrome Plated US26 (BHMA 625) Finish, Add	570.61 91.62 91.62 62.54 55.26 84.35	27.76
<b>08 71 11 00-2287</b>		<b>Other Locks</b> (08 71 11 00-2254) Note: BHMA A156.5.		
08 71 11 00-2288	EA	Steel Exit Lock With Alarm, Single Door Satin Chrome Plated, BHMA E0421 .....	842.84	144.35
08 71 11 00-2289	EA	Exit Lock With Alarm At Active Leaf And Vertical Rod - Inactive Leaf Rod For Inactive Leaf (Pair Doors) Steel With Satin Chrome Plating BHMA - E0461 .....	1,877.46	288.71
<b>08 71 11 00-2290</b>		<b>Pushbutton Combination Locks</b> (08 71 11 00-2254)		
<b>08 71 11 00-2291</b>		<b>Mechanical Pushbutton Combination Locks</b> (08 71 11 00-2290) Note: Passage option allows access without using the lock entry code and is activated from the inside with a thumbturn or key. Lockout option disables the lock from the inside so that the entry code cannot be used to gain access.		
<b>08 71 11 00-2292</b>		<b>Mechanical Pushbutton Combination Locks (Kaba® Simplex® 1000 Series)</b> (08 71 11 00-2291) Note: Satin chrome or antique brass finish.		
08 71 11 00-2293	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® 1000 Series) .....	654.90	69.88
		For Bright Chrome Or Bright Brass Finish, Add	17.50	
08 71 11 00-2294	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® 1000 Series).....	699.06	69.88
		For Bright Chrome Or Bright Brass Finish, Add	17.50	
08 71 11 00-2295	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Knob (Kaba® Simplex® 1000 Series).....	716.72	69.88
		For Bright Chrome Or Bright Brass Finish, Add	17.50	
08 71 11 00-2296	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Knob (Kaba® Simplex® 1000 Series).....	760.88	69.88
		For Bright Chrome Or Bright Brass Finish, Add	17.50	
08 71 11 00-2297	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® L1000 Series) .....	729.97	69.88
		For Bright Chrome Or Bright Brass Finish, Add	17.50	
08 71 11 00-2298	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® L1000 Series).....	774.13	69.88
		For Bright Chrome Or Bright Brass Finish, Add	17.50	
08 71 11 00-2299	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® L1000 Series).....	791.79	69.88
		For Bright Chrome Or Bright Brass Finish, Add	17.50	
08 71 11 00-2300	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® L1000 Series) .....	835.95	69.88
		For Bright Chrome Or Bright Brass Finish, Add	17.50	
<b>08 71 11 00-2301</b>		<b>Mechanical Pushbutton Combination Locks (Kaba® Simplex® 5000 Series)</b> (08 71 11 00-2291) Note: ANSI/BHMA Grade 1, Satin chrome finish or black with satin chrome accents.		
08 71 11 00-2302	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Knob Or Lever (Kaba® Simplex® 5000 Series).....	719.37	69.88
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	17.50	
		For Dark Bronze Finish With Brass Accents, Add	70.00	
08 71 11 00-2303	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Knob Or Lever (Kaba® Simplex® 5000 Series).....	754.70	69.88
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	17.50	
		For Dark Bronze Finish With Brass Accents, Add	70.00	
08 71 11 00-2304	EA	Five Button, Mortise Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series).....	825.35	69.88
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	17.50	
		For Dark Bronze Finish With Brass Accents, Add	70.00	
08 71 11 00-2305	EA	Five Button, Mortise Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series).....	851.85	69.88
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	17.50	
		For Dark Bronze Finish With Brass Accents, Add	70.00	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 71 11 00-2306	EA			Five Button, Mortise Locking Device With Deadbolt And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series).....	851.85	69.88
				<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
				<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
08 71 11 00-2307	EA			Five Button, Exit Trim, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series).....	807.69	69.88
				<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
				<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
<b>08 71 11 00-2308 Mechanical Pushbutton Combination Locks (Kaba® Simplex® 8100 Series)</b>						
<small>(08 71 11 00-2291)</small>						
Note: Satin chrome or antique brass finish.						
08 71 11 00-2309	EA			Five Button, Mortise Locking Device With Passage And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 8100 Series).....	858.03	69.88
				<i>For Bright Chrome Or Bright Brass Finish, Add</i>	17.50	
08 71 11 00-2310	EA			Five Button, Mortise Locking Device With Deadbolt, Passage And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 8100 Series).....	884.53	69.88
				<i>For Bright Chrome Or Bright Brass Finish, Add</i>	17.50	
<b>08 71 11 00-2311 Mechanical Pushbutton Combination Locks (Kaba® Simplex® LD 450/470)</b>						
<small>(08 71 11 00-2291)</small>						
Note: Satin stainless, bright brass or antique brass finish.						
08 71 11 00-2312	EA			Twelve Button, Tubular Latch Locking Device, Light Duty, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® LD 450 Series).....	401.42	69.88
08 71 11 00-2313	EA			Twelve Button, Tubular Latch Locking Device With Passage, Light Duty, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® LD 470 Series).....	518.00	69.88
<b>08 71 11 00-2314 Electrical Pushbutton Combination Locks <small>(08 71 11 00-2290)</small></b>						
Note: Privacy option limits access to privileged users (master codes).						
<b>08 71 11 00-2315 Electrical Pushbutton Combination Locks (Kaba® E-Plex® 2000 Series) <small>(08 71 11 00-2314)</small></b>						
Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 100 access codes and 1,000 audit events.						
08 71 11 00-2316	EA			Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series).....	676.98	69.88
				<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2317	EA			Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series).....	782.96	69.88
				<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2318	EA			Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series).....	809.45	69.88
				<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2319	EA			Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series).....	765.29	69.88
				<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2320	EA			Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	721.14	69.88
				<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2321	EA			Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	809.45	69.88
				<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2322	EA			Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	827.12	69.88
				<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2323	EA			Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	853.61	69.88
				<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2324	EA			Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	809.45	69.88
				<i>For Satin Brass Finish, Add</i>	17.50	
<b>08 71 11 00-2325 Narrow Stile Application, Electrical Pushbutton Combination Locks (Kaba® E-Plex® 3000 Series) <small>(08 71 11 00-2314)</small></b>						
Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 300 access codes and 9,000 audit events.						
08 71 11 00-2326	EA			Twelve Button, Mortise Locking Device, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3000 Series).....	853.61	69.88
				<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
				<i>For Remote Unlock, Add</i>	97.93	
				Note: Excludes momentary contact switch.		
08 71 11 00-2327	EA			Twelve Button, Mortise Locking Device With Deadbolt, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3000 Series).....	853.61	69.88
				<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
				<i>For Remote Unlock, Add</i>	97.93	
				Note: Excludes momentary contact switch.		
<b>08 71 11 00-2328 Narrow Stile Application, Electrical Pushbutton Combination Locks (Kaba® E-Plex® 3200 Series) <small>(08 71 11 00-2314)</small></b>						
Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 3,000 access codes and 30,000 audit events.						
08 71 11 00-2329	EA			Twelve Button, Mortise Locking Device, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3200 Series).....	990.51	69.88
				<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
				<i>For Remote Unlock, Add</i>	97.93	
				Note: Excludes momentary contact switch.		

**08 Openings****08 70 Hardware****08 71 Door Hardware**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 71 11 00-2330	EA	Twelve Button, Mortise Locking Device With Deadbolt, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3200 Series) .....	990.51	69.88
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	97.93	
		<i>Note: Excludes momentary contact switch.</i>		
<b>08 71 11 00-2331</b>		<b>Electrical Pushbutton Combination Locks (Kaba® E-Plex® 5200 Series)</b> <small>(08 71 11 00-2314)</small>		
		<i>Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 3,000 access codes and 30,000 audit events.</i>		
08 71 11 00-2332	EA	Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series) .....	1,061.16	69.88
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	97.93	
		<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2333	EA	Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series) .....	1,149.48	69.88
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	97.93	
		<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2334	EA	Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series) .....	1,167.15	69.88
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	97.93	
		<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2335	EA	Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series) .....	1,193.64	69.88
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	97.93	
		<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2336	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series) .....	1,149.48	69.88
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	97.93	
		<i>Note: Excludes momentary contact switch.</i>		
<b>08 71 11 00-2337</b>		<b>Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5800 Series)</b> <small>(08 71 11 00-2314)</small>		
		<i>Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.</i>		
08 71 11 00-2338	EA	Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series) .....	1,480.68	69.88
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	97.93	
		<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2339	EA	Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series) .....	1,569.00	69.88
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	97.93	
		<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2340	EA	Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series) .....	1,586.66	69.88
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	97.93	
		<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2341	EA	Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series) .....	1,613.16	69.88
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	97.93	
		<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2342	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series) .....	1,569.00	69.88
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	97.93	
		<i>Note: Excludes momentary contact switch.</i>		
<b>08 71 11 00-2343</b>		<b>Entry/Egress, Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5886 Series)</b> <small>(08 71 11 00-2314)</small>		
		<i>Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.</i>		
08 71 11 00-2344	EA	Twelve Button, Mortise Locking Device, Entry/Egress, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5886 Series) .....	2,081.25	69.88
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	35.00	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 71 11 00-2345			<b>Stand Alone Access Controller, Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5870 Series)</b> (08 71 11 00-2314) Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.		
08 71 11 00-2346	EA		Twelve Button, Stand Alone Access Controller, Electrical Pushbutton Combination Lock/Card Reader (Kaba® E-Plex® 5870 Series).....	1,326.12	69.88
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
08 71 11 00-2347			<b>Electrical Pushbutton Combination Lock Accessories (Kaba® E-Plex®)</b> (08 71 11 00-2314)		
08 71 11 00-2348	EA		Standard Software Implementation Kit (Kaba® E-Plex®).....	665.23	
08 71 11 00-2349	EA		Enterprise Software Implementation Kit (Kaba® E-Plex®).....	841.86	
08 71 11 00-2350	EA		E-Plex General FIPS Software Implementation Kit (Kaba® E-Plex®).....	1,106.82	
08 71 11 00-2351	EA		USB FIPS/DESFire Card Reader/Enroller (Kaba® E-Plex®).....	337.02	
08 71 11 00-2352	EA		High Capacity Battery Kit (Kaba® E-Plex® E5x00 Series).....	102.14	
			Note: Includes 4 C-cell battery pack.		
08 71 11 00-2353	EA		12-24 Volt DC Power Interface Kit (Kaba® E-Plex® E5x00 Series).....	120.69	
08 71 11 00-2354			<b>Self-Powered, Electrical Pushbutton Combination Locks (Kaba® PowerPlex® 2000 Series)</b> (08 71 11 00-2314) Note: ANSI/BHMA Grade 1. Satin chrome finish.		
08 71 11 00-2355	EA		Twelve Button, Cylindrical Locking Device, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series).....	831.53	69.88
			<i>For Satin Brass Finish, Add</i>	17.50	
			<i>For Owner Furnished Material, Deduct</i>	-551.99	
08 71 11 00-2356	EA		Twelve Button, Mortise Locking Device, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series).....	937.52	69.88
			<i>For Satin Brass Finish, Add</i>	17.50	
			<i>For Owner Furnished Material, Deduct</i>	-657.98	
08 71 11 00-2357	EA		Twelve Button, Mortise Locking Device With Deadbolt, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series).....	964.01	69.88
			<i>For Satin Brass Finish, Add</i>	17.50	
			<i>For Owner Furnished Material, Deduct</i>	-684.47	
08 71 11 00-2358	EA		Twelve Button, Exit Trim, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series).....	919.85	69.88
			<i>For Satin Brass Finish, Add</i>	17.50	
			<i>For Owner Furnished Material, Deduct</i>	-640.31	
08 71 11 00-2359	EA		Twelve Button, Cylindrical Locking Device, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series).....	875.69	69.88
			<i>For Satin Brass Finish, Add</i>	17.50	
			<i>For Owner Furnished Material, Deduct</i>	-596.15	
08 71 11 00-2360	EA		Twelve Button, Cylindrical Locking Device With Privacy, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series).....	964.01	69.88
			<i>For Satin Brass Finish, Add</i>	17.50	
			<i>For Owner Furnished Material, Deduct</i>	-684.47	
08 71 11 00-2361	EA		Twelve Button, Mortise Locking Device, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series).....	981.68	69.88
			<i>For Satin Brass Finish, Add</i>	17.50	
			<i>For Owner Furnished Material, Deduct</i>	-702.14	
08 71 11 00-2362	EA		Twelve Button, Mortise Locking Device With Deadbolt, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series).....	1,008.17	69.88
			<i>For Satin Brass Finish, Add</i>	17.50	
			<i>For Owner Furnished Material, Deduct</i>	-728.63	
08 71 11 00-2363	EA		Twelve Button, Exit Trim, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series).....	964.01	69.88
			<i>For Satin Brass Finish, Add</i>	17.50	
			<i>For Owner Furnished Material, Deduct</i>	-684.47	
08 71 11 00-2364			<b>Electrical Pushbutton Combination Locks (Schlage)</b> (08 71 11 00-2314) Note: ANSI/BHMA Grade 1. Satin chrome finish.		
08 71 11 00-2365	EA		Class 100, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO100CY70KP626BD-D).....	872.46	69.40
			<i>For Owner Furnished Material, Deduct</i>	-594.86	
08 71 11 00-2366	EA		Class 200, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO200CY70KP-D).....	1,006.01	69.40
			<i>For Owner Furnished Material, Deduct</i>	-728.41	
08 71 11 00-2367	EA		Class 200, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO200CY70MSK626).....	1,131.74	69.40
			<i>For Owner Furnished Material, Deduct</i>	-854.14	
08 71 11 00-2368	EA		Class 200, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage AD200CY70KP626).....	1,469.93	69.40
			<i>For Owner Furnished Material, Deduct</i>	-1,192.33	
08 71 11 00-2369	EA		Class 200, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Standalone Electronic Lock (Schlage AD200CY70MKS626).....	1,604.34	69.40
			<i>For Owner Furnished Material, Deduct</i>	-1,326.74	
08 71 11 00-2370	EA		Class 400, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Networked Wireless Electronic Lock (Schlage AD400CY70MSKSPA626).....	1,762.16	69.40
			<i>For Owner Furnished Material, Deduct</i>	-1,484.56	
08 71 11 00-2371	EA		Class 300, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Networked Wireless Electronic Lock (Schlage AD300CY70MSKSPA626).....	1,621.68	69.40
			<i>For Owner Furnished Material, Deduct</i>	-1,344.08	
08 71 11 00-2372			<b>Residential Locks And Latchsets</b> (08 71 11 00-2254)		

**08 Openings****08 70 Hardware****08 71 Door Hardware**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 71 11 00-2373	EA	Residential Entry Lockset With Knobs (Master Keyed).....	80.13	16.77
08 71 11 00-2374	EA	Residential Privacy Lockset With Knobs.....	78.66	16.77
08 71 11 00-2375	EA	Residential Passage Lockset With Knobs.....	78.47	16.77
08 71 11 00-2376	EA	Residential Dummy Lockset With Knobs.....	62.64	13.98
08 71 11 00-2377	EA	Residential Entry Lockset With Levers (Master Keyed).....	90.25	16.77
08 71 11 00-2378	EA	Residential Privacy Lockset With Levers.....	86.89	16.77
08 71 11 00-2379	EA	Residential Passage Lockset With Levers.....	84.46	16.77
08 71 11 00-2380	EA	Residential Dummy Lockset With Levers.....	63.80	13.98
08 71 11 00-2381	EA	Screen Door - Closer.....	49.51	12.08
08 71 11 00-2382	EA	Screen Door - Locking Handle.....	55.50	17.33
<b>08 71 11 00-2383 Deadbolts (08 71 11 00-2254)</b>				
<b>08 71 11 00-2384 Cylindrical Deadbolts, Grade 1, ANSI 156.5 (08 71 11 00-2383)</b>				
Note: 2-3/8" or 2-3/4" backset.				
08 71 11 00-2385	EA	Single Cylinder Deadbolt, Key One Side, Knob One Side.....	166.06	27.76
Note: Cylindrical, ANSI Grade 1, interchangeable core, bright brass or satin chromium finish.				
<i>For Bright Chromium Or Oiled Rubbed Bronze Finish, Add</i>			4.20	
08 71 11 00-2386	EA	Double Cylinder Deadbolt, Key Both Sides.....	186.50	27.76
Note: Cylindrical, ANSI Grade 1, interchangeable core, bright brass or satin chromium finish.				
<i>For Bright Chromium Or Oiled Rubbed Bronze Finish, Add</i>			4.20	
<b>08 71 11 00-2387 Cylindrical Deadbolts, Grade 2, ANSI 156.5 (08 71 11 00-2383)</b>				
Note: 2-3/8" or 2-3/4" backset.				
08 71 11 00-2388	EA	Single Cylinder Deadbolt, Key One Side, Knob One Side.....	152.05	27.76
Note: Cylindrical, ANSI Grade 2, interchangeable core, bright brass or satin chromium finish.				
<i>For Bright Chromium Or Oiled Rubbed Bronze Finish, Add</i>			4.20	
08 71 11 00-2389	EA	Double Cylinder Deadbolt, Key Both Sides.....	174.38	27.76
Note: Cylindrical, ANSI Grade 2, interchangeable core, bright brass or satin chromium finish.				
<i>For Bright Chromium Or Oiled Rubbed Bronze Finish, Add</i>			4.20	
<b>08 71 11 00-2390 Small Case Mortised Deadbolts, Grade 1, ANSI 156.5 (08 71 11 00-2383)</b>				
Note: Interchangeable cores with small case size, 4-1/2" x 3-1/2" nominal.				
08 71 11 00-2391	EA	Small Case Mortised Deadbolt, Key One Side, Knob One Side.....	213.99	27.76
Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal).				
08 71 11 00-2392	EA	Small Case Mortised Deadbolt, Key Both Sides.....	232.92	27.76
Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal). Also used for Classroom version.				
08 71 11 00-2393	EA	Small Case Mortised Deadbolt, Key One Side, Cover Plate One Side.....	210.21	27.76
Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal).				
<b>08 71 11 00-2394 Mortised Deadbolts, Grade 1, ANSI 156.5 (08 71 11 00-2383)</b>				
Note: Interchangeable cores with standard case size, 4-1/2" x 6" nominal.				
08 71 11 00-2395	EA	Mortised Deadbolt, Key One Side, Knob One Side.....	265.47	27.76
Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal).				
08 71 11 00-2396	EA	Mortised Deadbolt, Key Both Sides.....	296.51	27.76
Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal). Also used for Classroom version.				
08 71 11 00-2397	EA	Mortised Deadbolt, Key One Side, Cover Plate One Side.....	238.98	27.76
Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal).				
<b>08 71 11 00-2398 Surface Mounted Deadbolts (08 71 11 00-2383)</b>				
08 71 11 00-2399	EA	Single Cylinder Surface Mounted Deadbolt.....	121.56	27.76
Note: Key one side, knob one side, bright brass finish.				
<i>For Brushed Chrome Finish, Add</i>			10.50	
08 71 11 00-2400	EA	Double Cylinder Surface Mounted Deadbolt.....	135.23	27.76
Note: Key both sides, bright brass finish.				
<i>For Brushed Chrome Finish, Add</i>			10.50	
08 71 11 00-2401	EA	Single Cylinder Surface Mounted Interlocking Deadbolt.....	146.11	27.76
Note: Jimmy proof, key one side, knob one side, bright brass finish.				
<i>For Brushed Chrome Finish, Add</i>			10.50	
08 71 11 00-2402	EA	Double Cylinder Surface Mounted Interlocking Deadbolt.....	159.79	27.76
Note: Jimmy proof, key both sides, bright brass finish.				
<i>For Brushed Chrome Finish, Add</i>			10.50	
<b>08 71 11 00-2403 Surface Mounted Deadlatches (08 71 11 00-2254)</b>				
08 71 11 00-2404	EA	Single Cylinder Surface Mounted Deadlatch.....	122.63	27.76
Note: Key one side, knob one side, bright brass finish.				
<i>For Brushed Chrome Finish, Add</i>			10.50	
08 71 11 00-2405	EA	Single Cylinder Surface Mounted Interlocking Deadlatch.....	146.16	27.76
Note: Jimmy proof, key one side, knob one side, bright brass finish.				
<i>For Brushed Chrome Finish, Add</i>			10.50	
<b>08 71 11 00-2406 Electric Strikes (08 71 11 00-2254)</b>				
08 71 11 00-2407	EA	12/24 Volt DC, Fail Safe/Fail Secure, Aluminum/Steel Body Electric Strike (Von Duprin 5100).....	322.49	55.52
08 71 11 00-2408	EA	12/24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6111).....	919.84	55.52
Note: For rim mounted lock				
08 71 11 00-2409	EA	12/24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6112).....	879.42	55.52
Note: For rim mounted lock				

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 71 11 00-2410	EA		24 Volt DC, Fail Secure, Stainless Steel Body Electric Strike (Von Duprin 6211)..... Note: For mortise or cylindrical locks	680.81	55.52
08 71 11 00-2411	EA		24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6212)..... Note: For mortise or cylindrical locks	924.15	55.52
08 71 11 00-2412	EA		24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6213)..... Note: For mortise or cylindrical locks	906.62	55.52
08 71 11 00-2413	EA		24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6214)..... Note: For mortise or cylindrical locks	987.53	55.52
08 71 11 00-2414	EA		24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6215)..... Note: For mortise or cylindrical locks	920.58	55.52
08 71 11 00-2415	EA		12/24 Volt DC, 3,070 LB Static Strength, Stainless Steel Body, Dual Voltage Electric Strike (HES 1006).....	570.19	55.52
08 71 11 00-2416	EA		12/24 Volt DC, 3,000 LB Static Strength, Stainless Steel Body, Fire Rated Electric Strike (HES 4500).....	566.92	55.52
08 71 11 00-2417	EA		12/24 Volt DC, 1,500 LB Static Strength, Steel Body, Low Profile Electric Strike (HES 5000).....	285.14	55.52
08 71 11 00-2418	EA		12/24 Volt DC, 1,500 LB Static Strength, Steel Body, Adjustable Electric Strike (HES 5200).....	285.14	55.52
08 71 11 00-2419	EA		12/24 Volt DC, 1,500 LB Static Strength, Cylindrical Or Rim Exit Device, Stainless Steel Body, Electric Strike With Preload (HES 7000).....	361.67	55.52
08 71 11 00-2420	EA		12/24 Volt DC, 1,500 LB Static Strength, Stainless Steel Body, Cylindrical Lock Electric Strike (HES 7500).....	332.36	55.52
08 71 11 00-2421	EA		12/24 Volt DC, 1,500 LB Static Strength, Stainless Steel Body, Compact Concealed Electric Strike (HES 8000).....	320.59	55.52
08 71 11 00-2422	EA		12/24 Volt DC, 1,500 LB Static Strength, Stainless Steel Body, Fire Rated Compact Concealed Electric Strike (HES 8300).....	582.37	55.52
08 71 11 00-2423	EA		12/24 Volt DC, 1,500 LB Static Strength, Stainless Steel Body, Fire Rated Concealed Electric Strike (HES 8500).....	516.38	55.52
08 71 11 00-2424	EA		12/24 Volt DC, 1,500 LB Static Strength, Stainless Steel Body, Slim Line Surface Mounted Electric Strike (HES 9400).....	615.26	73.29
08 71 11 00-2425	EA		12/24 Volt DC, 1,500 LB Static Strength, Rim Exit Device, Stainless Steel Body, Fire Rated Surface Mounted Electric Strike (HES 9500).....	697.56	73.29
08 71 11 00-2426	EA		12/24 Volt DC, 1,500 LB Static Strength, Rim Exit Device, Stainless Steel Body, Surface Mounted Electric Strike (HES 9600).....	615.70	73.29

**08 71 11 00-2427 Electric Hardware (08 71 11 00-2254)**

08 71 11 00-2428	EA		Electrified Cylindrical Lock Option..... Note: Excludes the lock. This task is used in conjunction with other locks in the CTC to electrify the lock.	173.92	
08 71 11 00-2429	EA		Electrified Mortise Lock Option..... Note: Excludes the lock. This task is used in conjunction with other locks in the CTC to electrify the lock.	201.42	
08 71 11 00-2430	EA		24" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	107.50	27.76
08 71 11 00-2431	EA		1 Ampere At 12/24 Volt DC, Door Hardware Power Supply.....	334.43	27.76
08 71 11 00-2432	EA		3 Amperes At 12 Volt DC, 2 Amperes At 24 Volt DC, Door Hardware Power Supply.....	579.17	27.76
08 71 11 00-2433	EA		4-1/2 Amperes At 12 Volt DC, 3 Amperes At 24 Volt DC, Door Hardware Power Supply.....	886.09	27.76
08 71 11 00-2434	EA		6 Amperes At 12 Volt DC, 4 Amperes At 24 Volt DC, Door Hardware Power Supply.....	978.95	27.76
08 71 11 00-2435	EA		9 Amperes At 12 Volt DC, 6 Amperes At 24 Volt DC, Door Hardware Power Supply.....	1,168.68	27.76
08 71 11 00-2436	EA		15 Amperes At 12 Volt DC, 10 Amperes At 24 Volt DC, Door Hardware Power Supply.....	1,417.00	27.76
08 71 11 00-2437	EA		18" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	91.48	27.76
08 71 11 00-2438	EA		24" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	93.37	27.76
08 71 11 00-2439	EA		30" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	104.96	27.76
08 71 11 00-2440	EA		45" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	107.26	27.76
08 71 11 00-2441	EA		60" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	108.43	27.76
08 71 11 00-2442	EA		72" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	115.08	27.76
08 71 11 00-2443	EA		12" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	92.68	27.76
08 71 11 00-2444	EA		18" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	101.97	27.76
08 71 11 00-2445	EA		36" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	109.33	27.76
08 71 11 00-2446	EA		49" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	122.04	27.76
08 71 11 00-2447	EA		60" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	125.57	27.76
08 71 11 00-2448	EA		12" Long, 1/2" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	104.29	27.76
08 71 11 00-2449	EA		18" Long, 1/2" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	117.30	27.76
08 71 11 00-2450	EA		18" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	73.40	27.76
08 71 11 00-2451	EA		24" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	83.46	27.76
08 71 11 00-2452	EA		30" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	88.78	27.76
08 71 11 00-2453	EA		36" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	94.47	27.76
08 71 11 00-2454	EA		60" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	124.11	27.76
08 71 11 00-2455	EA		72" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	136.48	27.76
08 71 11 00-2456	EA		12" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	77.51	27.76
08 71 11 00-2457	EA		18" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	81.39	27.76
08 71 11 00-2458	EA		24" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	92.94	27.76
08 71 11 00-2459	EA		36" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	111.32	27.76
08 71 11 00-2460	EA		48" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	127.77	27.76
08 71 11 00-2461	EA		60" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	154.77	27.76
08 71 11 00-2462	EA		12" Long, 1/2" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	83.97	27.76
08 71 11 00-2463	EA		18" Long, 1/2" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	89.92	27.76
08 71 11 00-2464	EA		Two 18 Gauge Wire, Door Frame To Edge Of Door Electrical Power Transfer.....	605.13	27.76
08 71 11 00-2465	EA		Ten 24 Gauge Wire, Door Frame To Edge Of Door Electrical Power Transfer.....	659.75	38.87
08 71 11 00-2466	EA		Electrified Lock; Schlage L9080..... Note: Excludes the lock. This task is used in conjunction with other locks in the CTC to electrify the lock.	1,145.81	

**08 71 11 00-2467 Magnetic Locks (08 71 11 00-2254)**

08 71 11 00-2468	EA		Electromagnetic Lock, 500 lb. Holding Force, Stainless Steel (Schlage 40).....	720.60	133.25
08 71 11 00-2469	EA		Electromagnetic Lock, 500 lb. Holding Force, Stainless Steel (Schlage 40TJ).....	864.63	149.91
08 71 11 00-2470	EA		Electromagnetic Lock, 1,000 lb. Holding Force, Stainless Steel (Schlage 70).....	842.85	133.25
08 71 11 00-2471	EA		Electromagnetic Lock, 1,000 lb. Holding Force, Stainless Steel (Schlage 70TJ).....	986.62	149.91
08 71 11 00-2472	EA		Electromagnetic Lock, 500 lb. Holding Force, Aluminum (Schlage M420).....	882.13	144.35
08 71 11 00-2473	EA		Electromagnetic Lock, 1,000 lb. Holding Force, Aluminum (Schlage M450).....	965.98	144.35
08 71 11 00-2474	EA		Electromagnetic Lock, 1500 lb. Holding Force, Aluminum (Schlage M490).....	1,031.24	144.35
08 71 11 00-2475	EA		Electromagnetic Lock, 500 lb. Holding Force, Aluminum (Schlage M420P)..... Note: Includes magnetic bond sensor, door position switch and relock time delay.	1,132.90	166.56
08 71 11 00-2476	EA		Electromagnetic Lock, 1,000 lb. Holding Force, Aluminum (Schlage M450P)..... Note: Includes magnetic bond sensor, door position switch and relock time delay.	1,244.35	166.56

**08 Openings****08 70 Hardware****08 71 Door Hardware**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 71 11 00-2477	EA	Electromagnetic Lock, 1500 lb. Holding Force, Aluminum (Schlage M490P) ..... Note: Includes magnetic bond sensor, door position switch and relock time delay.	1,294.56	166.56
08 71 11 00-2478	EA	2 Amperes Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS902).....	387.80	55.52
08 71 11 00-2479	EA	4 Amperes Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS904).....	638.19	55.52
08 71 11 00-2480	EA	6 Amperes Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS906).....	768.33	55.52
<b>08 71 11 00-2481</b>		<b>Interchangeable Core</b> (08 71 11 00-2254)		
08 71 11 00-2482	EA	Interchangeable Core; Primus D Series.....	220.71	27.76
<b>08 71 11 00-2483</b>		<b>Door Coordinators</b> (08 71 11)		
08 71 11 00-2484	EA	32" Satin Chrome Finish, Door Coordinator (Ives COR 32" Series)..... Note: Satin chrome finish. Includes two mounting brackets. <i>For Anodized Aluminum Finish, Deduct</i> -120.74	440.64	34.70
08 71 11 00-2485	EA	42" Satin Chrome Finish, Door Coordinator (Ives COR 42" Series)..... Note: Satin chrome finish. Includes two mounting brackets. <i>For Anodized Aluminum Finish, Deduct</i> -127.33	462.68	36.09
08 71 11 00-2486	EA	52" Satin Chrome Finish, Door Coordinator (Ives COR 52" Series)..... Note: Satin chrome finish. Includes two mounting brackets. <i>For Anodized Aluminum Finish, Deduct</i> -129.56	473.81	37.48
08 71 11 00-2487	EA	60" Satin Chrome Finish, Door Coordinator (Ives COR 60" Series)..... Note: Satin chrome finish. Includes two mounting brackets. <i>For Anodized Aluminum Finish, Deduct</i> -135.56	494.37	38.87
08 71 11 00-2488	EA	72" Satin Chrome Finish, Door Coordinator (Ives COR 72" Series)..... Note: Satin chrome finish. Includes two mounting brackets. <i>For Anodized Aluminum Finish, Deduct</i> -147.49	529.72	40.25
08 71 11 00-2489	EA	Up To 20", Satin Chrome Finish, Filler Bar For Door Coordinator (Ives FL 20") ..... <i>For Anodized Aluminum Finish, Deduct</i> -23.98	104.36	11.11
08 71 11 00-2490	EA	Up To 32", Satin Chrome Finish, Filler Bar For Door Coordinator (Ives FL 32") ..... <i>For Anodized Aluminum Finish, Deduct</i> -26.01	114.99	12.50
08 71 11 00-2491	EA	Up To 44", Satin Chrome Finish, Filler Bar For Door Coordinator (Ives FL 44") ..... <i>For Anodized Aluminum Finish, Deduct</i> -30.60	132.02	13.88
08 71 11 00-2492	EA	Satin Chrome Finish, Carry Bar For Door Coordinator (Ives CB1) .....	98.13	13.88
08 71 11 00-2493	EA	7" Projection COR Series Gravity Type Door Coordinator ..... <i>For Anodized Aluminum Finish, Deduct</i> -24.73	145.10	20.82
08 71 11 00-2494	EA	9" Projection COR Series Gravity Type Door Coordinator ..... <i>For Anodized Aluminum Finish, Deduct</i> -28.68	154.99	20.82
<b>08 71 11 00-2495</b>		<b>Removal And Reinstallation Of Door Hardware</b> (08 71 11) Note: Includes storage and cleaning. Excludes removal of door where required. See CSI section 08 05 13 00-0050 for removal and reinstallation of door.		
08 71 11 00-2496	EA	Removal And Reinstallation Of Door Lockset, Entrance .....	83.29	
08 71 11 00-2497	EA	Removal And Reinstallation Of Door Lockset, Mortise .....	133.24	
08 71 11 00-2498	EA	Removal And Reinstallation Of Deadbolt Lock .....	88.84	
08 71 11 00-2499	PR	Removal And Reinstallation Of Butts/Hinges.....	22.20	
08 71 11 00-2500	EA	Removal And Reinstallation Of Door Bumper.....	7.77	
08 71 11 00-2501	EA	Removal And Reinstallation Of Surface Mounted Panic Device.....	222.08	
08 71 11 00-2502	EA	Removal And Reinstallation Of Kick Plate .....	27.76	
08 71 11 00-2503	EA	Removal And Reinstallation Of Push Plate.....	22.20	
08 71 11 00-2504	EA	Removal And Reinstallation Of Surface Mounted Door Closer Or Holder .....	111.04	
08 71 11 00-2505	EA	Removal And Reinstallation Of Door Handles .....	16.67	
<b>08 71 11 00-2506</b>		<b>Electromagnetic Door Release</b> (08 71 11)		
08 71 11 00-2507	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Wall Mount, Surface Wiring, Electro-Magnetic Door Release .....	533.22	69.95
08 71 11 00-2508	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Wall Mount, Recessed Wiring, Electro-Magnetic Door Release.....	520.92	69.95
08 71 11 00-2509	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Adjustable, Wall Mount, Recessed Wiring, Electro-Magnetic Door Release .....	582.92	69.95
08 71 11 00-2510	EA	24 Volt AC/DC, High Hold, Wall Mount, Surface Or Recessed Wiring, Electro-Magnetic Door Release .....	948.92	69.95
08 71 11 00-2511	EA	24 Volt DC, Sliding Door, Electro-Magnetic Door Release .....	916.28	69.95
08 71 11 00-2512	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Overhead Door, Electro-Magnetic Door Release .....	916.28	69.95
08 71 11 00-2513	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Floor Mount, Single Door, Electro-Magnetic Door Release .....	836.46	69.95
08 71 11 00-2514	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Floor Mount, Back-to-Back Door, Electro-Magnetic Door Release.....	1,038.28	69.95
08 71 11 00-2515	EA	Photo Electric Smoke Detector Suitable For Door Holder Release.....	993.24	69.95
08 71 11 00-2516	EA	Ionization Type Smoke Detector Suitable For Door Holder Release .....	1,220.28	69.95
08 71 11 00-2517	EA	Surface Wall Mount, Electromagnetic Door Holder (Sargent 1560)..... Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	594.75	69.95
08 71 11 00-2518	EA	Flush Mount, Electromagnetic Door Holder (Sargent 1561) .....	585.21	69.95
08 71 11 00-2519	EA	Floor Mount, Electromagnetic Door Holder (LCN SEM7820)..... Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	883.45	69.95
08 71 11 00-2520	EA	Surface Wall Mount, Electromagnetic Door Holder (LCN SEM7830)..... Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	625.25	69.95
08 71 11 00-2521	EA	Low Profile Recessed Wall Mount, Electromagnetic Door Holder (LCN SEM7840) .....	625.25	69.95
08 71 11 00-2522	EA	Recessed Wall Mount, Electromagnetic Door Holder (LCN SEM7850)..... Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	625.25	69.95
<b>08 71 13</b>		<b>Automatic Door Operators</b> (08 71)		
<b>08 71 13 00-0001</b>		<b>Automatic Door Operators (LCN)</b> (08 71 13)		

MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

08 71 13 00-0002	EA	Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Door Operator With Pull Arm (LCN 9531).....	3,323.37	
		Note: Opens doors automatically for wheelchair access, and allows for manual operation for regular pedestrian traffic.		
08 71 13 00-0003	EA	Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Door Operator With Push Arm (LCN 9542).....	3,323.37	
		Note: Opens doors automatically for wheelchair access, and allows for manual operation for regular pedestrian traffic.		
<b>08 71 13 00-0004</b>		<b>Automatic Door Operators (Stanley) (08 71 13)</b>		
08 71 13 00-0005	EA	Automatic Door Operator, Surface Mount With Key Switch (Stanley D-4990).....	3,372.79	
08 71 13 00-0006	EA	6" Round Stainless Steel Actuator (Stanley CL2216).....	207.66	
08 71 13 00-0007	EA	Power Supply (Stanley Precision ELR151).....	727.56	
08 71 13 00-0008	EA	Low Energy Door Operator, Push Side Mount Application With Standard Arm (Stanley D-4990).....	2,557.58	111.04
		Note: Includes control box with conduit access, motor, operator and D-4550 door closer. Excludes electrical connections		
08 71 13 00-0009	EA	Door Operator Free Standing Push Plate Post (Stanley CL2247).....	426.61	74.06
		Note: Includes mounting post only		
08 71 13 00-0010	EA	Dual Vestibule Push Plate Door Operator (Stanley CL2388).....	279.29	36.16
		Note: Includes 4-3/4" Dual Vestibule Push Plate and electrical connection. Excludes junction Box		
08 71 13 00-0011	EA	Jamb Mount, Push Plate Door Operator (Stanley CL2055).....	177.93	36.16
		Note: Includes 4-3/4" Jamb Mount Push Plate and Electrical Connections. Excludes junction Box		
08 71 13 00-0012	EA	Touchless Plate Door Operator (Stanley CL2025).....	275.82	36.16
		Note: Includes Touchless Plate and Electrical Connection. Excludes junction Box		
08 71 13 00-0013	EA	Door Operator Push Plate Assembly (Stanley CL4976).....	921.90	54.28
		Note: Includes 2 Push Plates, 2 Surface Boxes, 2 Transmitters and 1 Receiver		
<b>08 71 13 00-0014</b>		<b>Miscellaneous Devices (08 71 13)</b>		
08 71 13 00-0015	EA	Electric Power Transformer (Von Duprin EPT-2) For Magnetic Monitor Switches.....	431.52	41.64
08 71 13 00-0016	EA	Magnetic Monitor Switch, SS Finish (Von Duprin MS 764).....	133.24	24.98
08 71 13 00-0017	EA	24 Volt AC, 3 Amperes, Transformer (Von Duprin PT 750).....	166.55	24.98
08 71 13 00-0018	EA	Automatic Door Bottoms, Fully Mortise Cam Bottom Type To Fit 1-1/2" x 3/4" Mortise Channel At Door Bottom (National Guard Products 320S).....	97.88	24.98
<b>08 71 53</b>		<b>Security Door Hardware (08 71)</b>		
<b>08 71 53 00-0001</b>		<b>Door Exit Alarm Hardware (08 71 53)</b>		
08 71 53 00-0002	EA	Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-500).....	322.83	41.64
08 71 53 00-0003	EA	Weatherized Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-500W).....	443.90	41.64
08 71 53 00-0004	EA	Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-300).....	374.54	41.64
		Note: Door propped alarm for applications where doors may be used for egress or ingress, but may not be held or propped open. Door open times from 1 second to 4 minutes (15 second default) are field selectable.		
08 71 53 00-0005	EA	Weatherized Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-300W).....	481.62	41.64
		Note: Door propped alarm for applications where doors may be used for egress or ingress, but may not be held or propped open. Door open times from 1 second to 4 minutes (15 second default) are field selectable.		
08 71 53 00-0006	EA	Wall Mount Exit Alarm, Audible Alarm, AC/DC (Detex EAX-2500).....	560.78	55.52
08 71 53 00-0007	EA	Surface Mounted Magnetic Switch (Detex MS-1039S or MS-1059S).....	99.58	55.52
		Note: For use with Detex EAX exit alarms.		
<b>08 72</b>		<b>Weatherstripping, Thresholds and Seals (08 70)</b>		
<b>08 72 33</b>		<b>Weatherstripping and Seals (08 72)</b>		
<b>08 72 33 00-0001</b>		<b>Weather-Stripping And Seals (08 72 33)</b>		
<b>08 72 33 00-0002</b>		<b>Astragals (08 72 33 00-0001)</b>		
		Note: Astragal and meeting stile seals are used to seal the gap between a pair of doors.		
<b>08 72 33 00-0003</b>		<b>Adhesive Backed Astragals (08 72 33 00-0002)</b>		
08 72 33 00-0004	LF	7/16" Width, 9/32" Height, Edge Mount, Single Fin, Adhesive Backed Flexible Astragal (Pemko S771).....	4.34	0.84
08 72 33 00-0005	LF	1/2" Width, 3/16" Height, Edge Mount, Double Fin, Adhesive Backed Flexible Astragal (Pemko S772).....	4.81	0.84
08 72 33 00-0006	LF	1-1/8" Width, 3/16" Height, Mullion Mount, Adhesive Backed Mullion Gasketing (Pemko 5110).....	3.73	0.84
<b>08 72 33 00-0007</b>		<b>Overlapping Astragals (08 72 33 00-0002)</b>		
<b>08 72 33 00-0008</b>		<b>Aluminum, Overlapping Astragals (08 72 33 00-0007)</b>		
08 72 33 00-0009	LF	2" Width, 1/8" Height, Clear Anodized Aluminum, Overlapping Astragal (Pemko 357C).....	17.76	4.99
		For Color Anodized Finish, Add	2.37	
<b>08 72 33 00-0010</b>		<b>Stainless Steel, Overlapping Astragals (08 72 33 00-0007)</b>		
08 72 33 00-0011	LF	2" Width, 1/8" Height, Stainless Steel, Overlapping Astragal (Pemko 357SS).....	34.57	4.99
<b>08 72 33 00-0012</b>		<b>"T" Astragals (08 72 33 00-0002)</b>		
<b>08 72 33 00-0013</b>		<b>Aluminum, "T" Astragals (08 72 33 00-0012)</b>		
08 72 33 00-0014	LF	1" Width, 11/16" Height, Mill Aluminum, "T" Astragal (Pemko 359A).....	11.99	4.99
		For Color Anodized Finish, Add	0.74	
08 72 33 00-0015	LF	Vinyl Insert, 3/4" Width, 1/4" Height, Mill Aluminum, "T" Astragal (Pemko 356AV).....	14.76	4.99
		For Color Anodized Finish, Add	0.98	

**08 Openings****08 70 Hardware****08 72 Weatherstripping, Thresholds and Seals**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 72 33 00-0016	LF Vinyl Or Pile Insert, 1-3/8" Width, 1/4" Height, Clear Anodized Aluminum, "T" Astragal (Pemko 355CP).....	15.19	4.99
	<i>For Color Anodized Finish, Add</i>	1.86	
	<i>For Silicone Insert, Add</i>	0.63	
08 72 33 00-0017	LF Neoprene Sponge Insert, 1-1/8" Width, 1/2" Height, Clear Anodized Aluminum, "T" Astragal (Pemko 352CR).....	27.04	4.99
	<i>For Color Anodized Finish, Add</i>	6.01	
<b>08 72 33 00-0018</b>	<b>Brass/Bronze, "T" Astragals</b> (08 72 33 00-0012)		
08 72 33 00-0019	LF Vinyl Or Pile Insert, 1-3/8" Width, 1/4" Height, Brass/Bronze, "T" Astragal (Pemko 355BP).....	77.14	4.99
	<i>For Silicone Insert, Add</i>	0.63	
<b>08 72 33 00-0020</b>	<b>Locking Astragals</b> (08 72 33 00-0002)		
<b>08 72 33 00-0021</b>	<b>Outswing Locking Astragals</b> (08 72 33 00-0020)		
	Note: Includes two units. A housing containing the locking bolt which fastens to the inactive leaf and a "T" astragal with a seal that fastens to the active leaf.		
<b>08 72 33 00-0022</b>	<b>Aluminum, Outswing Locking Astragals</b> (08 72 33 00-0021)		
08 72 33 00-0023	LF Slide Bolt, 1-1/4" Width, 3/8" Height, Clear Anodized Aluminum, Slimline Style, Outswing Locking Astragal (Pemko 3443CS).....	35.77	4.99
	Note: Includes pile seal at inner door edge and neoprene bottom seal.		
	<i>For Color Anodized Finish, Add</i>	5.18	
08 72 33 00-0024	LF Locking Springbolt, 1-1/4" Width, 3/8" Height, Clear Anodized Aluminum, Slimline Style, Outswing Locking Astragal (Pemko 3444CS).....	41.32	4.99
	Note: Includes pile seal at inner door edge and neoprene bottom seal.		
	<i>For Color Anodized Finish, Add</i>	6.29	
08 72 33 00-0025	LF Slide Bolt, 1-13/32" Width, 11/16" Height, Gold Anodized Aluminum, Colonial Style, Outswing Locking Astragal (Pemko 3445BDQ).....	39.97	4.99
	Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
	<i>For Thermal Break, Add</i>	1.81	
08 72 33 00-0026	LF Locking Springbolt, 1-13/32" Width, 11/16" Height, Gold Anodized Aluminum, Colonial Style, Outswing Locking Astragal (Pemko 3446BDGQ).....	44.48	4.99
	Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
	<i>For Thermal Break, Add</i>	2.08	
<b>08 72 33 00-0027</b>	<b>Inswing Locking Astragals</b> (08 72 33 00-0020)		
	Note: Includes one unit containing the locking bolt and astragal with seal, which fastens to the inactive leaf.		
<b>08 72 33 00-0028</b>	<b>Wood, Inswing Locking Astragals</b> (08 72 33 00-0027)		
08 72 33 00-0029	LF Flush Bolt, 1-1/4" Width, 1/2" Height, Wood, Inswing Locking Astragal (Pemko 34832).....	41.66	4.99
08 72 33 00-0030	LF Flush Bolt, 1-1/4" Width, 1-3/16" Height, Wood, Inswing Locking Astragal (Pemko 3481Q).....	41.46	4.99
	Note: Includes kerf-in foam seal.		
<b>08 72 33 00-0031</b>	<b>Aluminum, Inswing Locking Astragals</b> (08 72 33 00-0027)		
08 72 33 00-0032	LF Slide Bolt, 1-3/8" Width, 9/32" Height, Clear Anodized Aluminum, Slimline Style, Inswing Locking Astragal (Pemko 3493CV).....	24.13	4.99
	Note: Includes pile seal at inner door edge and neoprene bottom seal.		
	<i>For Silicone Insert, Add</i>	0.63	
	<i>For Color Anodized Finish, Add</i>	2.85	
08 72 33 00-0033	LF Locking Springbolt, 1-3/8" Width, 9/32" Height, Clear Anodized Aluminum, Slimline Style, Inswing Locking Astragal (Pemko 3494CV).....	28.77	4.99
	Note: Includes pile seal at inner door edge and neoprene bottom seal.		
	<i>For Silicone Insert, Add</i>	0.63	
	<i>For Color Anodized Finish, Add</i>	3.78	
08 72 33 00-0034	LF Slide Bolt, 1-13/32" Width, 3/4" Height, Clear Anodized Aluminum, Colonial Style, Inswing Locking Astragal (Pemko 3495CQ).....	25.89	4.99
	Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
	<i>For Magnetic Kerf-In Insert, Add</i>	0.47	
	<i>For Color Anodized Finish, Add</i>	3.20	
08 72 33 00-0035	LF Locking Springbolt, 1-13/32" Width, 3/4" Height, Clear Anodized Aluminum, Colonial Style, Inswing Locking Astragal (Pemko 3496CQ).....	30.49	4.99
	Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
	<i>For Magnetic Kerf-In Insert, Add</i>	0.47	
	<i>For Color Anodized Finish, Add</i>	4.12	
<b>08 72 33 00-0036</b>	<b>Security Astragals</b> (08 72 33 00-0002)		
08 72 33 00-0037	LF Vinyl Seal, 1/2" Thick Cam, 1-3/4" Width, Clear Anodized Aluminum, Security Astragal (Pemko 378C).....	22.59	4.99
	<i>For Color Anodized Finish, Add</i>	12.72	
08 72 33 00-0038	LF 2-1/4" Width, 10 Gauge Galvanized Steel, Offset Security Bar, Security Astragal (Pemko 3572SP).....	37.19	4.99
<b>08 72 33 00-0039</b>	<b>Meeting Stile Astragals</b> (08 72 33 00-0002)		
<b>08 72 33 00-0040</b>	<b>One Piece, Meeting Stile Astragals</b> (08 72 33 00-0039)		
	Note: Includes an astragal for one door only.		
08 72 33 00-0041	LF 1/4" Vinyl Or Pile Insert, 5/32" Width, 13/32" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 369AP).....	14.60	4.99
	<i>For Color Anodized Finish, Add</i>	1.42	
08 72 33 00-0042	LF 1/4" Neoprene Loop Insert, 7/16" Width, 3/4" Height, Surface/Mortise Mount, Mill Aluminum, One Piece, Meeting Stile Astragal (Pemko 313AN).....	22.72	7.44
	<i>For Color Anodized Finish, Add</i>	3.16	
08 72 33 00-0043	LF 1/4" Neoprene Loop Insert, 3/4" Width, 1-3/8" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 314CN).....	29.58	7.44
	<i>For Color Anodized Finish, Add</i>	1.48	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 72 33 00-0044	LF		15/16" Neoprene Loop Insert, 1-1/8" Width, 1-3/4" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 358CN) ..... 30.46		7.44
				<i>For Color Anodized Finish, Add</i> ..... 3.91		
	08 72 33 00-0045	LF		1/8" Width, 1-1/2" Height, Side Mount, Spring Bronze, One Piece, Meeting Stile Astragal (Pemko B71) ..... 45.17		7.44
<b>08 72 33 00-0046</b>	<b>Two Piece, Meeting Stile Split Astragals</b> <small>(08 72 33 00-0039)</small>					
	Note: Includes one astragal for each door.					
	08 72 33 00-0047	LF		1/4" Vinyl Insert, 13/16" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 297AV) ..... 18.46		7.44
				<i>For Silicone Insert, Add</i> ..... 0.95		
				<i>For Color Anodized Finish, Add</i> ..... 3.63		
	08 72 33 00-0048	LF		1/4" Vinyl Insert, 11/16" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 316AV) ..... 18.46		7.44
				<i>For Color Anodized Finish, Add</i> ..... 3.63		
	08 72 33 00-0049	LF		1/4" Vinyl Insert, 7/8" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 303AV) ..... 18.46		7.44
				<i>For Silicone Insert, Add</i> ..... 0.95		
				<i>For Color Anodized Finish, Add</i> ..... 3.63		
	08 72 33 00-0050	LF		3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 305CN) ..... 28.08		7.44
				<i>For Silicone Insert, Add</i> ..... 0.63		
				<i>For Color Anodized Finish, Add</i> ..... 2.65		
	08 72 33 00-0051	LF		3/8" Brush Insert, 3/4" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 18041CNC) ..... 23.35		7.44
				<i>For Color Anodized Finish, Add</i> ..... 3.41		
	08 72 33 00-0052	LF		5/8" Brush Insert, 3/4" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 18061CNC) ..... 23.98		7.44
				<i>For Color Anodized Finish, Add</i> ..... 3.66		
	08 72 33 00-0053	LF		3/16" Vinyl Or Pile Insert, 3/4" Width, 3/8" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29310CV) ..... 28.71		7.44
				<i>For Color Anodized Finish, Add</i> ..... 6.94		
				<i>For Silicone Insert, Add</i> ..... 0.95		
	08 72 33 00-0054	LF		3/8" Brush Insert, 7/8" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29324CNC) ..... 29.34		7.44
				<i>For Color Anodized Finish, Add</i> ..... 5.80		
	08 72 33 00-0055	LF		5/8" Brush Insert, 7/8" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29326CNC) ..... 29.97		7.44
				<i>For Color Anodized Finish, Add</i> ..... 6.06		
<b>08 72 33 00-0056</b>	<b>Two Piece, Adjustable Meeting Stile Split Astragals</b> <small>(08 72 33 00-0039)</small>					
	Note: Includes one astragal for each door.					
<b>08 72 33 00-0057</b>	<b>Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals</b> <small>(08 72 33 00-0056)</small>					
	08 72 33 00-0058	LF		3/8" Vinyl Or Pile Insert, 21/32" Width, 9/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 354CP) ..... 52.37		7.44
				<i>For Color Anodized Finish, Add</i> ..... 9.39		
				<i>For Silicone Insert, Add</i> ..... 0.63		
	08 72 33 00-0059	LF		3/8" Vinyl Or Pile Insert, 1" Width, 9/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 351CP) ..... 53.36		7.44
				<i>For Silicone Insert, Add</i> ..... 0.63		
				<i>For Color Anodized Finish, Add</i> ..... 7.71		
<b>08 72 33 00-0060</b>	<b>Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals</b> <small>(08 72 33 00-0056)</small>					
	08 72 33 00-0061	LF		3/8" Vinyl Or Pile Insert, 21/32" Width, 9/16" Height, Mortise Mount, Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 354BP) ..... 242.67		7.44
				<i>For Silicone Insert, Add</i> ..... 0.63		
	08 72 33 00-0062	LF		3/8" Vinyl Or Pile Insert, 1" Width, 9/16" Height, Face Mount, Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 351BP) ..... 226.73		7.44
				<i>For Silicone Insert, Add</i> ..... 0.63		
<b>08 72 33 00-0063</b>	<b>Door Sweeps</b> <small>(08 72 33 00-0001)</small>					
<b>08 72 33 00-0064</b>	<b>Tack On Door Sweeps</b> <small>(08 72 33 00-0063)</small>					
	08 72 33 00-0065	LF		For Sealing Up To 3/4" Gap, Side Mount, Vinyl Tack On Door Sweep (Pemko V365) ..... 6.66		2.78
	08 72 33 00-0066	LF		For Sealing Up To 5/8" Gap, Bottom Mount, Rubber Tack On Door Sweep (Pemko R364) ..... 6.76		2.78
	08 72 33 00-0067	LF		For Sealing Up To 1-3/8" Gap, Bottom Mount, Vinyl Tack On Door Sweep (Pemko P361V) ..... 7.03		2.78
<b>08 72 33 00-0068</b>	<b>Aluminum Retainer Door Sweeps</b> <small>(08 72 33 00-0063)</small>					
<b>08 72 33 00-0069</b>	<b>35 Degree, Aluminum Retainer Door Sweeps</b> <small>(08 72 33 00-0068)</small>					
	Note: The retainer mounts to the door face with the sweep positioned 35 degrees from the door. Includes clear anodized finish.					
	08 72 33 00-0070	LF		5/16" Brush Insert, 35 Degree, Aluminum Retainer Door Sweep (Pemko 35041CNC) ..... 15.67		5.55
				<i>For Color Anodized Finish, Add</i> ..... 1.83		
	08 72 33 00-0071	LF		1/2" Brush Insert, 35 Degree, Aluminum Retainer Door Sweep (Pemko 35061CNC) ..... 16.15		5.55
				<i>For Color Anodized Finish, Add</i> ..... 1.77		
<b>08 72 33 00-0072</b>	<b>45 Degree, Aluminum Retainer Door Sweeps</b> <small>(08 72 33 00-0068)</small>					
	Note: The retainer mounts to the door face with the sweep positioned 45 degrees from the door. Includes clear anodized finish.					
	08 72 33 00-0073	LF		1-3/4" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45175CNC) ..... 23.72		5.55
				<i>For Color Anodized Finish, Add</i> ..... 5.05		

**08 Openings****08 70 Hardware****08 72 Weatherstripping, Thresholds and Seals**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 72 33 00-0074	LF 2-1/2" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45250CNB) ..... <i>For Color Anodized Finish, Add</i>	25.61 5.80	5.55
08 72 33 00-0075	LF 4" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45400CNB)..... <i>For Color Anodized Finish, Add</i>	29.71 7.44	5.55
<b>08 72 33 00-0076</b>	<b>90 Degree, Aluminum Retainer Door Sweeps</b> (08 72 33 00-0068) Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold. Includes clear anodized finish.		
08 72 33 00-0077	LF 3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90041CNB)..... <i>For Color Anodized Finish, Add</i>	17.25 0.62	5.55
08 72 33 00-0078	LF 5/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90062CNB)..... <i>For Color Anodized Finish, Add</i>	17.09 0.60	5.55
08 72 33 00-0079	LF 1" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90100CNB)..... <i>For Color Anodized Finish, Add</i>	18.20 2.49	5.55
08 72 33 00-0080	LF 1-3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90137CNB) ..... <i>For Color Anodized Finish, Add</i>	18.67 3.03	5.55
08 72 33 00-0081	LF 7/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 315CN)..... <i>For Color Anodized Finish, Add</i>	16.78 1.42	5.55
08 72 33 00-0082	LF 11/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 368CN)..... <i>For Color Anodized Finish, Add</i>	21.19 2.02	5.55
08 72 33 00-0083	LF 15/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 321CN)..... <i>For Color Anodized Finish, Add</i>	17.72 1.32	5.55
08 72 33 00-0084	LF 9/16" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 308AV) ..... Note: Includes mill finish. <i>For Color Anodized Finish, Add</i>	13.58 1.24	5.55
08 72 33 00-0085	LF 1" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 307AV) ..... Note: Includes mill finish. <i>For Color Anodized Finish, Add</i>	13.70 1.30	5.55
08 72 33 00-0086	LF 1-9/16" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 56AV)..... Note: Includes mill finish. <i>For Color Anodized Finish, Add</i>	15.04 1.38	5.55
<b>08 72 33 00-0087</b>	<b>180 Degree, Aluminum Retainer Door Sweeps</b> (08 72 33 00-0068) Note: The retainer mounts to the door face with the sweep positioned perpendicular to the threshold. Includes clear anodized finish.		
<b>08 72 33 00-0088</b>	<b>180 Degree, Aluminum Retainer Door Sweeps</b> (08 72 33 00-0067)		
08 72 33 00-0089	LF 3/8" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18041CNB)..... <i>For Color Anodized Finish, Add</i>	15.36 1.70	5.55
08 72 33 00-0090	LF 5/8" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18061CNB)..... <i>For Color Anodized Finish, Add</i>	15.67 1.83	5.55
08 72 33 00-0091	LF 1" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18100CNB)..... <i>For Color Anodized Finish, Add</i>	18.20 2.49	5.55
<b>08 72 33 00-0092</b>	<b>180 Degree, Concealed Fastener, Aluminum Retainer Door Sweeps</b> (08 72 33 00-0087)		
08 72 33 00-0093	LF 3/8" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 29324CNB)..... <i>For Color Anodized Finish, Add</i>	18.35 2.90	5.55
08 72 33 00-0094	LF 5/8" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 29326CNB)..... <i>For Color Anodized Finish, Add</i>	18.67 3.03	5.55
08 72 33 00-0095	LF 1" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 293100CNB)..... <i>For Color Anodized Finish, Add</i>	20.00 3.56	5.55
<b>08 72 33 00-0096</b>	<b>Mortised, Aluminum Retainer Door Sweeps</b> (08 72 33 00-0068) Note: The retainer is mortised into the door bottom with the sweep positioned perpendicular to the threshold. Includes mill finish. Excludes mortising.		
08 72 33 00-0097	LF 1/4" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5025ASB) ..... <i>For Color Anodized Finish, Add</i>	13.94 1.76	5.55
08 72 33 00-0098	LF 13/32" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5041ANB) ..... <i>For Color Anodized Finish, Add</i>	13.94 1.83	5.55
08 72 33 00-0099	LF 5/8" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5061ANB)..... <i>For Color Anodized Finish, Add</i>	14.10 1.22	5.55
<b>08 72 33 00-0100</b>	<b>Aluminum Retainer Door Sweeps With Rain Drip</b> (08 72 33 00-0063)		
<b>08 72 33 00-0101</b>	<b>90 Degree, Aluminum Retainer Door Sweeps With Rain Drip</b> (08 72 33 00-0100) Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold. Includes mill finish.		
08 72 33 00-0102	LF 1/4" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 3452AV) ..... <i>For Color Anodized Finish, Add</i>	13.62 1.76	5.55
08 72 33 00-0103	LF 1/2" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 345AV) ..... <i>For Color Anodized Finish, Add</i>	15.67 1.83	5.55
08 72 33 00-0104	LF 3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweeps With Rain Drip (Pemko 3452CNB)..... Note: Includes clear anodized finish. <i>For Color Anodized Finish, Add</i>	17.21 1.22	5.55
08 72 33 00-0105	LF 7/16" Brush Insert, 90 Degree, Aluminum Retainer Door Sweeps With Rain Drip (Pemko 345ANB) ..... <i>For Color Anodized Finish, Add</i>	17.49 1.28	5.55
<b>08 72 33 00-0106</b>	<b>Brass/Bronze Retainer Door Sweeps</b> (08 72 33 00-0063)		
<b>08 72 33 00-0107</b>	<b>90 Degree, Brass/Bronze Retainer Door Sweeps</b> (08 72 33 00-0106) Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold.		
08 72 33 00-0108	LF 7/16" Neoprene Insert, 90 Degree, Brass/Bronze Retainer Door Sweep (Pemko 315BN) ..... <i>For Color Anodized Finish, Add</i>	20.56 1.28	5.55
<b>08 72 33 00-0109</b>	<b>Oak Retainer Door Sweeps</b> (08 72 33 00-0063)		



	MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
	CSI		UNIT COST	UNIT COST

08 72 33 00-0110		<b>90 Degree, Oak Retainer Door Sweeps</b> <small>(08 72 33 00-0109)</small> Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold.		
	08 72 33 00-0111	LF 9/16" Brush Insert, 90 Degree, Oak Retainer Door Sweep (Pemko 18062WNB).....	16.94	5.55
	08 72 33 00-0112	LF 15/16" Brush Insert, 90 Degree, Oak Retainer Door Sweep (Pemko 18100WNB).....	19.42	5.55
08 72 33 00-0113		<b>Door Shoes And Bottoms</b> <small>(08 72 33 00-0001)</small>		
08 72 33 00-0114		<b>Door Shoes</b> <small>(08 72 33 00-0113)</small>		
08 72 33 00-0115		<b>Aluminum Retainer Door Shoes</b> <small>(08 72 33 00-0114)</small>		
08 72 33 00-0116		<b>Bottom Mount, Aluminum Retainer Door Shoes</b> <small>(08 72 33 00-0115)</small>		
	08 72 33 00-0117	LF Vinyl Insert, 1-3/16" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 234AV).....	14.89	5.55
		<i>For Color Anodized Finish, Add</i>	1.52	
		<i>For Thermo-Plastic Elastomer Insert, Add</i>	0.68	
	08 72 33 00-0118	LF Vinyl Insert, 1-3/8" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 209AV).....	15.36	5.55
		<i>For Color Anodized Finish, Add</i>	1.70	
	08 72 33 00-0119	LF Notched Vinyl Insert, 1-3/16" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 2343AV).....	19.93	5.55
		<i>For Color Anodized Finish, Add</i>	1.77	
08 72 33 00-0120		<b>Side Mount, Aluminum Retainer Door Shoes</b> <small>(08 72 33 00-0115)</small>		
	08 72 33 00-0121	LF Vinyl Insert, 1-3/4" Width, Side Mount, Aluminum Retainers Door Shoe (Pemko 318AV).....	16.94	5.55
		<i>For Color Anodized Finish, Add</i>	2.34	
		<i>For Thermo-Plastic Elastomer Insert, Add</i>	0.68	
08 72 33 00-0122		<b>L Or U Shaped, Aluminum Retainer Door Shoes</b> <small>(08 72 33 00-0115)</small>		
	08 72 33 00-0123	LF Vinyl Insert, 1-1/4" Width, L-Shaped, Aluminum Retainer Door Shoe (Pemko 211AV).....	15.67	5.55
		<i>For Color Anodized Finish, Add</i>	2.29	
		<i>For Thermo-Plastic Elastomer Insert, Add</i>	0.42	
	08 72 33 00-0124	LF Vinyl Insert, 1-3/8" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 220AV).....	16.62	5.55
		<i>For Color Anodized Finish, Add</i>	2.21	
		<i>For Thermo-Plastic Elastomer Insert, Add</i>	0.42	
	08 72 33 00-0125	LF Vinyl Insert, 1-3/4" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 217AV).....	16.94	5.55
		<i>For Color Anodized Finish, Add</i>	2.34	
		<i>For Thermo-Plastic Elastomer Insert, Add</i>	0.42	
	08 72 33 00-0126	LF Notched Vinyl Insert, 1-5/16" Width, L-Shaped, Aluminum Retainer Door Shoe (Pemko 2113AV).....	23.35	5.55
		<i>For Color Anodized Finish, Add</i>	2.45	
	08 72 33 00-0127	LF Notched Vinyl Insert, 1-3/4" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 2173AV).....	23.66	5.55
		<i>For Color Anodized Finish, Add</i>	2.51	
08 72 33 00-0128		<b>L Or U Shaped With Rain Drip, Aluminum Retainer Door Shoes</b> <small>(08 72 33 00-0115)</small>		
	08 72 33 00-0129	LF Vinyl Insert, 1-1/4" Width, L-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 210AV).....	15.99	5.55
		<i>For Color Anodized Finish, Add</i>	2.45	
		<i>For Thermo-Plastic Elastomer Insert, Add</i>	0.42	
	08 72 33 00-0130	LF Vinyl Insert, 1-3/8" Width, U-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 215AV).....	16.94	5.55
		<i>For Color Anodized Finish, Add</i>	2.34	
		<i>For Thermo-Plastic Elastomer Insert, Add</i>	0.42	
	08 72 33 00-0131	LF Vinyl Insert, 1-3/4" Width, U-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 216AV).....	17.09	5.55
		<i>For Color Anodized Finish, Add</i>	2.40	
		<i>For Thermo-Plastic Elastomer Insert, Add</i>	0.42	
08 72 33 00-0132		<b>Vinyl Door Shoes</b> <small>(08 72 33 00-0114)</small>		
	08 72 33 00-0133	LF 1-3/4" Width, L-Shaped, Vinyl Door Shoe (Pemko V80).....	19.07	5.55
	08 72 33 00-0134	LF 1-3/4" Width, U-Shaped, Vinyl Door Shoe (Pemko 2170DV).....	22.67	5.55
08 72 33 00-0135		<b>Door Bottoms</b> <small>(08 72 33 00-0113)</small>		
08 72 33 00-0136		<b>Automatic Door Bottoms</b> <small>(08 72 33 00-0135)</small>		
08 72 33 00-0137		<b>Aluminum Automatic Door Bottoms</b> <small>(08 72 33 00-0136)</small>		
	08 72 33 00-0138	LF Sponge Neoprene Insert, 9/16" Width, 1-7/8" Height, Surface/Mortise Mount, Aluminum Retainer, Automatic Door Bottom (Pemko 4131CRL).....	31.87	5.55
		<i>For Color Anodized Finish, Add</i>	4.15	
	08 72 33 00-0139	LF Sponge Neoprene Insert, 31/32" Width, 2-1/8" Height, Surface/Mortise Mount, Aluminum Retainer, Automatic Door Bottom (Pemko 4301CRL).....	44.87	5.55
		<i>For Color Anodized Finish, Add</i>	6.75	
08 72 33 00-0140		<b>Door Top Protection</b> <small>(08 72 33 00-0001)</small>		
	08 72 33 00-0141	LF Aluminum, Door Top Cover For 1-3/8" Wood Doors (Pemko PA343).....	12.34	4.44
		<i>For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add</i>	0.95	
	08 72 33 00-0142	LF Aluminum, Door Top Cover For 1-3/4" Wood Doors (Pemko PA344).....	12.34	4.44
		<i>For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add</i>	0.95	
	08 72 33 00-0143	LF 2-1/2" Aluminum Overhead Rain Drip With Slotted Holes (Pemko 346C).....	17.83	4.44
		<i>For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add</i>	2.45	
	08 72 33 00-0144	EA For 20 Oz Copper Drip Cap For Exterior Door.....	68.38	
08 72 33 00-0145		<b>Perimeter Gasketing Weather-Strip</b> <small>(08 72 33 00-0001)</small> Note: Perimeter gasketing is used to seal the gap around the top and the two sides of a door assembly.		

**08 Openings****08 70 Hardware****08 72 Weatherstripping, Thresholds and Seals**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

		MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
<b>08 72 33 00-0146</b>		<b>Adhesive Backed Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0145)						
08 72 33 00-0147	LF				3/8" x 3/16", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko PK33) .....	3.90	2.78	
					<i>For Intumescent Seal, Add</i> .....	1.50		
08 72 33 00-0148	LF				1/2" x 3/16", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko PK55) .....	3.94	2.78	
					<i>For Intumescent Seal, Add</i> .....	1.50		
08 72 33 00-0149	LF				1/2" x 1/4", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S88).....	5.26	2.78	
08 72 33 00-0150	LF				7/16" x 5/16", Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S44) .....	4.24	2.78	
08 72 33 00-0151	LF				5/16" x 1/2", Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S77) .....	5.46	2.78	
					<i>For Intumescent Seal, Add</i> .....	1.50		
08 72 33 00-0152	LF				1/2" x 3/8", Silicone Triple Fin, Hospitality, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S773).....	5.09	2.78	
					<i>For Intumescent Seal, Add</i> .....	1.50		
08 72 33 00-0153	LF				7/16" x 5/16", Intumescent And Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko HSS2000xS44).....	6.61	2.78	
08 72 33 00-0154	LF				1/2" x 1/4", Intumescent And Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko HSS2000xS88).....	6.14	2.78	
<b>08 72 33 00-0155</b>		<b>Kerf-In Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0145)						
08 72 33 00-0156	LF				3/8" x 1/4" Silicone Bulb, Kerf-In Perimeter Gasketing Weather-Strip (Pemko P50).....	3.51	2.78	
08 72 33 00-0157	LF				7/16" x 3/8" Silicone Bulb, Kerf-In Perimeter Gasketing Weather-Strip (Pemko S52).....	5.06	2.78	
08 72 33 00-0158	LF				3/8" Foam, Kerf-In Perimeter Gasketing Weather-Strip (Pemko Q103).....	3.89	2.78	
08 72 33 00-0159	LF				5/8" Foam, Kerf-In Perimeter Gasketing Weather-Strip (Pemko Q102).....	3.84	2.78	
08 72 33 00-0160	LF				3/8" Magnetic, Kerf-In Perimeter Gasketing Weather-Strip (Pemko MAG349).....	4.90	2.78	
<b>08 72 33 00-0161</b>		<b>Cushion/Spring Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0145)						
<b>08 72 33 00-0162</b>		<b>Spring Bronze Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0161)						
08 72 33 00-0163	LF				1-1/8" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70C).....	9.90	2.78	
08 72 33 00-0164	LF				1-1/4" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70D).....	9.90	2.78	
08 72 33 00-0165	LF				1-3/8" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70E).....	10.77	2.78	
08 72 33 00-0166	LF				1-1/2" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70F).....	10.95	2.78	
<b>08 72 33 00-0167</b>		<b>Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0161)						
08 72 33 00-0168	LF				5/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B73).....	9.43	2.78	
08 72 33 00-0169	LF				7/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B74).....	10.77	2.78	
08 72 33 00-0170	LF				1-1/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B75).....	12.24	2.78	
<b>08 72 33 00-0171</b>		<b>Aluminum Retainer, Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0145)						
<b>08 72 33 00-0172</b>		<b>Aluminum Retainer, Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0171)						
08 72 33 00-0173	LF				1/4" Vinyl Insert, 13/16" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 297AV).....	7.36	2.78	
					<i>For Silicone Insert, Add</i> .....	0.95		
					<i>For Color Anodized Finish, Add</i> .....	1.81		
08 72 33 00-0174	LF				1/4" Vinyl Insert, 11/16" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 316AV).....	7.36	2.78	
					<i>For Silicone Insert, Add</i> .....	0.95		
					<i>For Color Anodized Finish, Add</i> .....	1.81		
08 72 33 00-0175	LF				1/4" Vinyl Insert, 7/8" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 303AV).....	7.36	2.78	
					<i>For Silicone Insert, Add</i> .....	0.95		
					<i>For Color Anodized Finish, Add</i> .....	1.81		
08 72 33 00-0176	LF				3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 305CN).....	12.17	2.78	
					<i>For Silicone Insert, Add</i> .....	0.63		
					<i>For Color Anodized Finish, Add</i> .....	1.32		
08 72 33 00-0177	LF				3/16" Vinyl Or Pile Insert, 3/4" Width, 3/8" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip With Concealed Fasteners (Pemko 29310CV).....	12.49	2.78	
					<i>For Color Anodized Finish, Add</i> .....	3.47		
					<i>For Silicone Insert, Add</i> .....	0.95		
08 72 33 00-0178	LF				Neoprene Sponge Insert, 1-5/8" Width, 7/16" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 375CR).....	12.49	2.78	
					<i>For Color Anodized Finish, Add</i> .....	2.43		
<b>08 72 33 00-0179</b>		<b>Heavy Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0171)						
<b>08 72 33 00-0180</b>		<b>Standard Jamb, Heavy Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0179)						
08 72 33 00-0181	LF				1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Standard Jamb, Heavy Duty, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 290AV) .....	11.94	2.78	
					<i>For Silicone Insert, Add</i> .....	0.95		
<b>08 72 33 00-0182</b>		<b>Head Section, Heavy Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0179)						
08 72 33 00-0183	LF				1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Head Section, Heavy Duty, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 2891AV) .....	13.19	2.78	
<b>08 72 33 00-0184</b>		<b>Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0145)						

	MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>08 72 33 00-0185</b>		<b>Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip</b> <small>(08 72 33 00-0184)</small>		
08 72 33 00-0186	LF	3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 305BR) .....	31.66	2.78
		<i>For Silicone Insert, Add</i> .....	1.58	
08 72 33 00-0187	LF	Neoprene Sponge Insert, 1-5/8" Width, 7/16" Height, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 375BR) .....	55.06	2.78
<b>08 72 33 00-0188</b>		<b>Heavy Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip</b> <small>(08 72 33 00-0184)</small>		
<b>08 72 33 00-0189</b>		<b>Standard Jamb, Heavy Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip</b> <small>(08 72 33 00-0188)</small>		
08 72 33 00-0190	LF	1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Standard Jamb, Heavy Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 290BV) .....	47.28	2.78
		<i>For Silicone Insert, Add</i> .....	0.63	
<b>08 72 33 00-0191</b>		<b>Aluminum Interlock, Perimeter Gasketing Weather-Strip</b> <small>(08 72 33 00-0145)</small>		
08 72 33 00-0192	LF	Side Mount, Mill Aluminum, Interlock Perimeter Gasketing Weather-Strip (Pemko 335AR, 336A) .....	17.63	5.55
		Note: For weather-stripping latch or hinge side of door. Includes aluminum interlocking devices for door and door frame.		
		<i>For Color Anodized Finish, Add</i> .....	2.61	
08 72 33 00-0193	LF	Top Mount, Mill Aluminum, Interlock Perimeter Gasketing Weather-Strip (Pemko 347A, 68AR) .....	18.18	5.55
		Note: For weather-stripping the top of doors. Includes rain drip shield and aluminum interlocking devices for door and door frame.		
		<i>For Color Anodized Finish, Add</i> .....	2.83	
<b>08 72 33 00-0194</b>		<b>Adjustable Aluminum Retainer, Perimeter Gasketing Weather-Strip</b> <small>(08 72 33 00-0145)</small>		
		Note: Seals gaps from 1/16" to 1/4".		
08 72 33 00-0195	LF	Sponge Neoprene Insert, 7/8" Width, 1-3/8" Height, Adjustable, Clear Anodized Aluminum Retainer, Stop Gasketing Weather-Strip (Pemko 350CSR) .....	21.10	2.78
		<i>For Color Anodized Finish, Add</i> .....	3.11	
08 72 33 00-0196	LF	Sponge Neoprene Insert, 7/8" Width, 1-3/8" Height, Adjustable, Clear Anodized Aluminum Retainer, Jamb Gasketing Weather-Strip (Pemko 350CR) .....	22.20	2.78
		<i>For Color Anodized Finish, Add</i> .....	3.33	
<b>08 72 33 00-0197</b>		<b>Perimeter Gasketing Smoke Seals</b> <small>(08 72 33 00-0001)</small>		
		Note: Perimeter gasketing is used to seal the gap around the top and the two sides of a door assembly.		
08 72 33 00-0198	LF	Compression Bulb, Adhesive Backed Perimeter Gasketing Smoke Seal (Pemko HSS2000) .....	5.18	2.78
<b>08 72 43</b>		<b>Thresholds</b> <small>(08 72)</small>		
<b>08 72 43 00-0001</b>		<b>Thresholds</b> <small>(08 72 43)</small>		
		Note: Includes material, fasteners, installation, caulk and sealants.		
<b>08 72 43 00-0002</b>		<b>Metal Thresholds</b> <small>(08 72 43 00-0001)</small>		
<b>08 72 43 00-0003</b>		<b>Saddle Thresholds</b> <small>(08 72 43 00-0002)</small>		
<b>08 72 43 00-0004</b>		<b>Aluminum Saddle Thresholds</b> <small>(08 72 43 00-0003)</small>		
		Note: Includes mill finish.		
<b>08 72 43 00-0005</b>		<b>3/16" Height, Aluminum Saddle Thresholds</b> <small>(08 72 43 00-0004)</small>		
08 72 43 00-0006	LF	2-1/4" Width, 3/16" Height, Aluminum Saddle Threshold (Pemko 173A) .....	28.18	8.88
		<i>For Color Anodized Finish, Add</i> .....	2.40	
<b>08 72 43 00-0007</b>		<b>1/4" Height, Aluminum Saddle Thresholds</b> <small>(08 72 43 00-0004)</small>		
08 72 43 00-0008	LF	3" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 151A) .....	30.86	8.88
		<i>For Color Anodized Finish, Add</i> .....	3.47	
08 72 43 00-0009	LF	4" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 270A) .....	36.27	11.10
		<i>For Color Anodized Finish, Add</i> .....	5.96	
08 72 43 00-0010	LF	5" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 271A) .....	39.28	11.10
		<i>For Color Anodized Finish, Add</i> .....	5.77	
08 72 43 00-0011	LF	6" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 272A) .....	42.89	11.10
		<i>For Color Anodized Finish, Add</i> .....	5.30	
08 72 43 00-0012	LF	7" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 276A) .....	48.25	11.10
		<i>For Color Anodized Finish, Add</i> .....	5.13	
08 72 43 00-0013	LF	8" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2748A) .....	57.91	13.32
		<i>For Color Anodized Finish, Add</i> .....	6.15	
08 72 43 00-0014	LF	9" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2749A) .....	61.54	13.32
		<i>For Color Anodized Finish, Add</i> .....	7.06	
08 72 43 00-0015	LF	10" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2750A) .....	67.32	13.32
		<i>For Color Anodized Finish, Add</i> .....	8.50	
<b>08 72 43 00-0016</b>		<b>5/16" Height, Aluminum Saddle Thresholds</b> <small>(08 72 43 00-0004)</small>		
08 72 43 00-0017	LF	2-1/2" Width, 5/16" Height, Aluminum Saddle Threshold (Pemko 166A) .....	30.40	8.88
		<i>For Color Anodized Finish, Add</i> .....	2.87	
<b>08 72 43 00-0018</b>		<b>1/2" Height, Aluminum Saddle Thresholds</b> <small>(08 72 43 00-0004)</small>		

**08 Openings****08 70 Hardware****08 72 Weatherstripping, Thresholds and Seals**
 MINOR  
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08 72 43 00-0019	LF	3" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 169A)	30.56	8.88
		<i>For Color Anodized Finish, Add</i>	4.18	
08 72 43 00-0020	LF	4" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 170A)	37.53	11.10
		<i>For Color Anodized Finish, Add</i>	6.85	
08 72 43 00-0021	LF	5" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 171A)	40.60	11.10
		<i>For Color Anodized Finish, Add</i>	6.43	
08 72 43 00-0022	LF	6" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 172A)	43.21	11.10
		<i>For Color Anodized Finish, Add</i>	5.41	
08 72 43 00-0023	LF	7" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 176A)	48.25	11.10
		<i>For Color Anodized Finish, Add</i>	5.13	
08 72 43 00-0024	LF	8" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2548A)	59.81	13.32
		<i>For Color Anodized Finish, Add</i>	9.28	
08 72 43 00-0025	LF	9" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2549A)	63.12	13.32
		<i>For Color Anodized Finish, Add</i>	11.92	
08 72 43 00-0026	LF	10" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2550A)	66.43	13.32
		<i>For Color Anodized Finish, Add</i>	13.25	
08 72 43 00-0027		<b>Brass/Bronze Saddle Thresholds</b> (08 72 43 00-0003)		
08 72 43 00-0028		<b>3/16" Height, Brass/Bronze Saddle Thresholds</b> (08 72 43 00-0027)		
08 72 43 00-0029	LF	2-1/4" Width, 3/16" Height, Brass/Bronze Saddle Threshold (Pemko 173B)	93.23	8.88
08 72 43 00-0030		<b>1/4" Height, Brass/Bronze Saddle Thresholds</b> (08 72 43 00-0027)		
08 72 43 00-0031	LF	3" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 151B)	147.55	8.88
08 72 43 00-0032	LF	4" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 270B)	178.17	11.10
08 72 43 00-0033	LF	5" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 271B)	215.77	11.10
08 72 43 00-0034	LF	6" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 272B)	252.34	11.10
08 72 43 00-0035	LF	7" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 276B)	294.12	11.10
08 72 43 00-0036	LF	8" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 274X4B)	378.02	13.32
08 72 43 00-0037		<b>1/2" Height, Brass/Bronze Saddle Thresholds</b> (08 72 43 00-0027)		
08 72 43 00-0038	LF	4" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 170B)	194.88	11.10
08 72 43 00-0039	LF	5" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 171B)	236.67	11.10
08 72 43 00-0040	LF	6" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 172B)	278.45	11.10
08 72 43 00-0041	LF	7" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 176B)	330.68	11.10
08 72 43 00-0042	LF	8" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 254X4B)	470.29	13.32
08 72 43 00-0043	LF	10" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 255X5B)	446.34	13.32
08 72 43 00-0044		<b>Stainless Steel Saddle Thresholds</b> (08 72 43 00-0003)		
08 72 43 00-0045		<b>1/2" Height, Stainless Steel Saddle Thresholds</b> (08 72 43 00-0044)		
08 72 43 00-0046	LF	4" Width, 1/2" Height, Stainless Steel Saddle Threshold (Pemko 175SS)	163.55	11.10
08 72 43 00-0047	LF	5" Width, 1/2" Height, Stainless Steel Saddle Threshold (Pemko 154SS)	173.99	11.10
08 72 43 00-0048		<b>Half Saddle Thresholds</b> (08 72 43 00-0002)		
08 72 43 00-0049		<b>Aluminum Half Saddle Thresholds</b> (08 72 43 00-0048)		
		Note: Includes mill finish.		
08 72 43 00-0050		<b>3/4" Height, Aluminum Half Saddle Thresholds</b> (08 72 43 00-0049)		
08 72 43 00-0051	LF	5" Width, 3/4" Height, Aluminum Half Saddle Threshold (Pemko 1875A)	43.57	11.10
		<i>For Color Anodized Finish, Add</i>	6.33	
08 72 43 00-0052	LF	7" Width, 3/4" Height, Aluminum Half Saddle Threshold (Pemko 1877A)	55.03	11.10
		<i>For Color Anodized Finish, Add</i>	2.73	
08 72 43 00-0053		<b>Offset Saddle Thresholds</b> (08 72 43 00-0002)		
08 72 43 00-0054		<b>Aluminum Offset Saddle Thresholds</b> (08 72 43 00-0053)		
		Note: Includes mill finish.		
08 72 43 00-0055		<b>1/2" Height, Aluminum Offset Saddle Thresholds</b> (08 72 43 00-0054)		
08 72 43 00-0056	LF	5-1/2" Width, 1/2" Height, 1/4" Offset, Aluminum Offset Saddle Threshold (Pemko 158A)	43.68	11.10
		<i>For Color Anodized Finish, Add</i>	7.97	
08 72 43 00-0057	LF	7" Width, 1/2" Height, 1/4" Offset, Aluminum Offset Saddle Threshold (Pemko 2727A)	47.78	11.10
		<i>For Color Anodized Finish, Add</i>	7.01	
08 72 43 00-0058		<b>3/4" Height, Aluminum Offset Saddle Thresholds</b> (08 72 43 00-0054)		
08 72 43 00-0059	LF	5-1/2" Width, 3/4" Height, 1/2" Offset, Aluminum Offset Saddle Threshold (Pemko 157A)	43.68	11.10
		<i>For Color Anodized Finish, Add</i>	7.97	
08 72 43 00-0060		<b>1" Height, Aluminum Offset Saddle Thresholds</b> (08 72 43 00-0054)		
08 72 43 00-0061	LF	7" Width, 1" Height, 1/2" Offset, Aluminum Offset Saddle Threshold (Pemko 182A)	49.36	11.10
		<i>For Color Anodized Finish, Add</i>	7.56	
08 72 43 00-0062		<b>Modular Ramp Thresholds</b> (08 72 43 00-0001)		
		Note: Includes mill finish.		
08 72 43 00-0063		<b>Flush, Aluminum Modular Ramp Thresholds</b> (08 72 43 00-0062)		

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				08 72 43 00-0064 LF 6-1/8" Length, 1/2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R.5FA) ..... 45.04		11.10
				<i>For Non-Slip Surfacing, Add</i> ..... 68.55		
				08 72 43 00-0065 LF 9-1/4" Length, 3/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R.75FA) ..... 55.71		12.21
				<i>For Non-Slip Surfacing, Add</i> ..... 87.61		
				08 72 43 00-0066 LF 12-3/8" Length, 1" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1FA) ..... 70.32		13.87
				<i>For Non-Slip Surfacing, Add</i> ..... 119.20		
				08 72 43 00-0067 LF 15-1/2" Length, 1-1/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.25FA) ..... 88.37		14.43
				<i>For Non-Slip Surfacing, Add</i> ..... 160.68		
				08 72 43 00-0068 LF 18-5/8" Length, 1-1/2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.5FA) ..... 102.46		15.54
				<i>For Non-Slip Surfacing, Add</i> ..... 214.14		
				08 72 43 00-0069 LF 21-3/4" Length, 1-3/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.75FA) ..... 126.26		17.20
				<i>For Non-Slip Surfacing, Add</i> ..... 238.84		
				08 72 43 00-0070 LF 24-7/8" Length, 2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R2FA) ..... 140.73		18.87
				<i>For Non-Slip Surfacing, Add</i> ..... 267.77		
				08 72 43 00-0071 LF 28" Length, 2-1/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R2.25FA) ..... 149.26		19.98
				<i>For Non-Slip Surfacing, Add</i> ..... 273.25		
<b>08 72 43 00-0072</b>				<b>3-1/2" Top Plate, Offset, Aluminum Modular Ramp Thresholds</b> <small>(08 72 43 00-0062)</small>		
				08 72 43 00-0073 LF 12-3/4" Length, 1/2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.5OSSA) ..... 74.68		13.87
				<i>For Non-Slip Surfacing, Add</i> ..... 126.71		
				08 72 43 00-0074 LF 15-7/8" Length, 3/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.75OSSA) ..... 87.07		14.43
				<i>For Non-Slip Surfacing, Add</i> ..... 157.17		
				08 72 43 00-0075 LF 18" Length, 1" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1OSSA) ..... 108.45		16.65
				<i>For Non-Slip Surfacing, Add</i> ..... 195.39		
				08 72 43 00-0076 LF 22-1/8" Length, 1-1/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.25OSSA) ..... 126.88		17.76
				<i>For Non-Slip Surfacing, Add</i> ..... 237.54		
				08 72 43 00-0077 LF 25-1/4" Length, 1-1/2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.5OSSA) ..... 145.24		18.87
				<i>For Non-Slip Surfacing, Add</i> ..... 279.50		
				08 72 43 00-0078 LF 28-3/8" Length, 1-3/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.75OSSA) ..... 158.59		19.98
				<i>For Non-Slip Surfacing, Add</i> ..... 308.44		
				08 72 43 00-0079 LF 31-1/2" Length, 2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R2OSSA) ..... 193.21		21.09
				<i>For Non-Slip Surfacing, Add</i> ..... 392.70		
<b>08 72 43 00-0080</b>				<b>7" Top Plate, Offset, Aluminum Modular Ramp Thresholds</b> <small>(08 72 43 00-0062)</small>		
				08 72 43 00-0081 LF 16-1/4" Length, 1/2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.5OSA) ..... 86.05		14.99
				<i>For Non-Slip Surfacing, Add</i> ..... 157.02		
				08 72 43 00-0082 LF 19-3/8" Length, 3/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.75OSA) ..... 100.66		16.65
				<i>For Non-Slip Surfacing, Add</i> ..... 188.61		
				08 72 43 00-0083 LF 22-1/2" Length, 1" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1OSA) ..... 119.82		17.76
				<i>For Non-Slip Surfacing, Add</i> ..... 227.61		
				08 72 43 00-0084 LF 25-5/8" Length, 1-1/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.25OSA) ..... 133.91		18.87
				<i>For Non-Slip Surfacing, Add</i> ..... 259.66		
				08 72 43 00-0085 LF 28-3/4" Length, 1-1/2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.5OSA) ..... 156.60		19.98
				<i>For Non-Slip Surfacing, Add</i> ..... 303.26		
				08 72 43 00-0086 LF 31-7/8" Length, 1-3/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.75OSA) ..... 169.94		21.09
				<i>For Non-Slip Surfacing, Add</i> ..... 332.20		
				08 72 43 00-0087 LF 35" Length, 2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R2OSA) ..... 195.44		22.19
				<i>For Non-Slip Surfacing, Add</i> ..... 377.60		
<b>08 72 43 00-0088</b>				<b>Accessories For Aluminum Modular Ramp Thresholds</b> <small>(08 72 43 00-0062)</small>		
<b>08 72 43 00-0089</b>				<b>Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds</b> <small>(08 72 43 00-0088)</small>		
				08 72 43 00-0090 PR Up To 1" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds ..... 197.29		13.87
				<i>For Non-Slip Surfacing, Add</i> ..... 20.34		
				08 72 43 00-0091 PR >1" To 1-1/4" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds ..... 301.12		13.87
				<i>For Non-Slip Surfacing, Add</i> ..... 32.80		
				08 72 43 00-0092 PR >1-1/4" To 2-1/4" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds ..... 593.48		19.43
				<i>For Non-Slip Surfacing, Add</i> ..... 66.56		
<b>08 72 43 00-0093</b>				<b>Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds</b> <small>(08 72 43 00-0088)</small>		
				08 72 43 00-0094 PR Up To 1/2" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds ..... 197.29		13.87
				<i>For Non-Slip Surfacing, Add</i> ..... 20.34		
				08 72 43 00-0095 PR >1/2" To 1" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds ..... 301.12		13.87
				<i>For Non-Slip Surfacing, Add</i> ..... 32.80		
				08 72 43 00-0096 PR >1" To 2" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds ..... 593.48		19.43
				<i>For Non-Slip Surfacing, Add</i> ..... 66.56		
<b>08 72 43 00-0097</b>				<b>Latching Panic Exit Saddle Thresholds</b> <small>(08 72 43 00-0001)</small>		
				Note: Includes vinyl or pile seal.		
<b>08 72 43 00-0098</b>				<b>Aluminum, Latching Panic Exit Saddle Thresholds</b> <small>(08 72 43 00-0097)</small>		
				Note: Includes mill finish.		
<b>08 72 43 00-0099</b>				<b>Aluminum, Latching Panic Exit Saddle Thresholds</b> <small>(08 72 43 00-0098)</small>		
<b>08 72 43 00-0100</b>				<b>7/8" Height, Aluminum, Latching Panic Exit Saddle Thresholds</b> <small>(08 72 43 00-0099)</small>		
				08 72 43 00-0101 LF 4" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 252X226AP) ..... 51.88		11.10
				<i>For Color Anodized Finish, Add</i> ..... 8.45		
				<i>For Thermoseal, Add</i> ..... 0.63		
				08 72 43 00-0102 LF 5" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 177AP) ..... 43.84		11.10
				<i>For Color Anodized Finish, Add</i> ..... 8.05		
				<i>For Thermoseal, Add</i> ..... 0.63		

**08 Openings****08 70 Hardware****08 72 Weatherstripping, Thresholds and Seals**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
08 72 43 00-0103	LF	6" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 254X226AP).....	56.93		11.10
		<i>For Color Anodized Finish, Add</i>	10.21		
		<i>For Thermoseal, Add</i>	0.63		
08 72 43 00-0104	LF	7" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 255X226AP).....	59.13		11.10
		<i>For Color Anodized Finish, Add</i>	10.98		
		<i>For Thermoseal, Add</i>	0.63		
<b>08 72 43 00-0105</b>		<b>1" Height, Aluminum, Latching Panic Exit Saddle Thresholds</b> (08 72 43 00-0099)			
08 72 43 00-0106	LF	3-5/8" Width, 1" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 185AP).....	41.94		11.10
		<i>For Color Anodized Finish, Add</i>	7.10		
		<i>For Thermoseal, Add</i>	0.63		
08 72 43 00-0107	LF	5" Width, 1" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 181AP).....	44.15		11.10
		<i>For Color Anodized Finish, Add</i>	8.20		
		<i>For Thermoseal, Add</i>	0.63		
08 72 43 00-0108		<b>Thermal Barrier, Aluminum, Latching Panic Exit Saddle Thresholds</b> (08 72 43 00-0098)			
08 72 43 00-0109		<b>7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Thresholds</b> (08 72 43 00-0108)			
08 72 43 00-0110	LF	4-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 252X226AFGP).....	46.52		11.10
		<i>For Color Anodized Finish, Add</i>	7.51		
		<i>For Thermoseal, Add</i>	0.63		
08 72 43 00-0111	LF	5-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 253X226AFGP).....	48.57		11.10
		<i>For Color Anodized Finish, Add</i>	8.33		
		<i>For Thermoseal, Add</i>	0.63		
08 72 43 00-0112	LF	6-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 254X226AFGP).....	51.56		11.10
		<i>For Color Anodized Finish, Add</i>	8.33		
		<i>For Thermoseal, Add</i>	0.63		
08 72 43 00-0113	LF	7-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 255X226AFGP).....	54.96		11.10
		<i>For Color Anodized Finish, Add</i>	9.52		
		<i>For Thermoseal, Add</i>	0.63		
08 72 43 00-0114		<b>Brass/Bronze, Latching Panic Exit Saddle Thresholds</b> (08 72 43 00-0097)			
08 72 43 00-0115		<b>Brass/Bronze, Latching Panic Exit Saddle Thresholds</b> (08 72 43 00-0114)			
08 72 43 00-0116		<b>7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Thresholds</b> (08 72 43 00-0115)			
08 72 43 00-0117	LF	4" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 252X226BV).....	280.54		11.10
		<i>For Thermoseal, Add</i>	0.63		
08 72 43 00-0118	LF	5" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 177BV).....	259.65		11.10
		<i>For Thermoseal, Add</i>	0.63		
08 72 43 00-0119	LF	6" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 254X226BV).....	376.64		11.10
		<i>For Thermoseal, Add</i>	0.63		
08 72 43 00-0120	LF	7" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 255X226BV).....	336.11		11.10
		<i>For Thermoseal, Add</i>	0.63		
08 72 43 00-0121		<b>1" Height, Brass/Bronze, Latching Panic Exit Saddle Thresholds</b> (08 72 43 00-0115)			
08 72 43 00-0122	LF	5" Width, 1" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 181BV).....	275.94		11.10
		<i>For Thermoseal, Add</i>	0.63		
08 72 43 00-0123		<b>Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Thresholds</b> (08 72 43 00-0114)			
08 72 43 00-0124		<b>7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Thresholds</b> (08 72 43 00-0123)			
08 72 43 00-0125	LF	4-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 252X226BFGV).....	283.10		12.21
		<i>For Thermoseal, Add</i>	0.63		
08 72 43 00-0126	LF	5-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 253X226BFGV).....	297.52		12.21
		<i>For Thermoseal, Add</i>	0.63		
08 72 43 00-0127	LF	6-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 254X226BFGV).....	375.44		12.21
		<i>For Thermoseal, Add</i>	0.63		
08 72 43 00-0128	LF	7-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 255X226BFGV).....	340.35		12.76
		<i>For Thermoseal, Add</i>	0.63		
08 72 43 00-0129		<b>Carpet Separator Thresholds</b> (08 72 43 00-0001)			
08 72 43 00-0130		<b>Aluminum, Carpet Separator Thresholds</b> (08 72 43 00-0129) Note: Includes mill finish.			
08 72 43 00-0131		<b>3/8" Height, Aluminum, Carpet Separator Thresholds</b> (08 72 43 00-0130)			
08 72 43 00-0132	LF	2-1/2" Width, 3/8" Height, Aluminum, Carpet Separator Threshold (Pemko 174C).....	31.81		8.88
		<i>For Color Anodized Finish, Add</i>	3.85		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0133			<b>7/16" Height, Aluminum, Carpet Separator Thresholds</b> (08 72 43 00-0130)		
08 72 43 00-0134	LF		1-3/4" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 236A).....	26.05	7.77
			<i>For Color Anodized Finish, Add</i>	2.32	
08 72 43 00-0135	LF		4" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 2364A).....	39.58	8.88
			<i>For Color Anodized Finish, Add</i>	4.73	
08 72 43 00-0136	LF		6" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 2366A).....	46.20	8.88
			<i>For Color Anodized Finish, Add</i>	7.38	
08 72 43 00-0137			<b>1/2" Height, Aluminum, Carpet Separator Thresholds</b> (08 72 43 00-0130)		
08 72 43 00-0138	LF		1-3/8" Width, 1/2" Height, Aluminum, Carpet Separator Threshold (Pemko 1951A).....	24.00	7.77
			<i>For Color Anodized Finish, Add</i>	1.14	
08 72 43 00-0139			<b>3/4" Height, Aluminum, Carpet Separator Thresholds</b> (08 72 43 00-0130)		
08 72 43 00-0140	LF		1-3/4" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 246A).....	26.05	7.77
			<i>For Color Anodized Finish, Add</i>	1.99	
08 72 43 00-0141	LF		3" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 230A).....	40.05	11.10
			<i>For Color Anodized Finish, Add</i>	4.92	
08 72 43 00-0142	LF		4" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 2464A).....	41.94	11.10
			<i>For Color Anodized Finish, Add</i>	4.26	
08 72 43 00-0143			<b>Brass/Bronze, Carpet Separator Thresholds</b> (08 72 43 00-0129)		
08 72 43 00-0144			<b>3/8" Height, Brass/Bronze, Carpet Separator Thresholds</b> (08 72 43 00-0143)		
08 72 43 00-0145	LF		2-1/2" Width, 3/8" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 174B).....	149.84	8.88
08 72 43 00-0146			<b>7/16" Height, Brass/Bronze, Carpet Separator Thresholds</b> (08 72 43 00-0143)		
08 72 43 00-0147	LF		1-3/4" Width, 7/16" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 236B).....	200.40	7.77
08 72 43 00-0148	LF		4" Width, 7/16" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 2364B).....	179.21	11.10
08 72 43 00-0149			<b>Vinyl Transition Thresholds</b> (08 72 43 00-0001) Note: Serves as a transition where carpet meets carpet, tile, VCT or concrete beneath a door.		
08 72 43 00-0150			<b>Carpet To Carpet, Vinyl Transition Thresholds</b> (08 72 43 00-0149) Note: Serves as a transition where carpet meets carpet beneath a door.		
08 72 43 00-0151	LF		2-3/4" Width, 23/32" Height, Carpet To Carpet, Vinyl Transition Threshold (Pemko V232BL).....	37.59	8.88
08 72 43 00-0152			<b>Carpet To Tile, Vinyl Transition Thresholds</b> (08 72 43 00-0149) Note: Serves as a transition where carpet meets tile beneath a door.		
08 72 43 00-0153	LF		2-3/4" Width, 23/32" Height, Carpet To Tile, Vinyl Transition Threshold (Pemko V2325BL).....	37.59	8.88
08 72 43 00-0154			<b>Carpet To Concrete, Vinyl Transition Thresholds</b> (08 72 43 00-0149) Note: Serves as a transition where carpet meets concrete beneath a door.		
08 72 43 00-0155	LF		3-1/2" Width, 23/32" Height, Carpet To Concrete, Vinyl Transition Threshold (Pemko V2320BL).....	40.86	11.10
08 72 43 00-0156			<b>Carpet To VCT Tile, Vinyl Transition Thresholds</b> (08 72 43 00-0149) Note: Serves as a transition where carpet meets VCT Tile beneath a door.		
08 72 43 00-0157	LF		3-7/16" Width, 23/32" Height, Carpet To VCT Tile, Vinyl Transition Threshold (Pemko V2322BL).....	43.42	11.10
08 72 43 00-0158			<b>Residential Thresholds</b> (08 72 43 00-0001)		
08 72 43 00-0159			<b>Wood Residential Thresholds</b> (08 72 43 00-0158)		
08 72 43 00-0160	LF		1-1/4" Width, 1/4" Height, Oak Residential Threshold (Pemko 2219W).....	16.76	5.55
08 72 43 00-0161	LF		1-3/4" Width, 5/16" Height, Oak Residential Threshold (Pemko 2175W).....	17.29	5.55
08 72 43 00-0162	LF		3" Width, 3/8" Height, Oak Residential Threshold (Pemko 2300W).....	22.80	5.91
08 72 43 00-0163	LF		3-1/2" Width, 1/2" Height, Oak Residential Threshold (Pemko 2350W).....	23.21	6.13
08 72 43 00-0164	LF		5" Width, 1/2" Height, Oak Residential Threshold (Pemko 2500W).....	34.16	6.30
08 72 43 00-0165			<b>Vinyl Top, Wood Residential Thresholds</b> (08 72 43 00-0158)		
08 72 43 00-0166	LF		1-5/8" Width, 15/16" Height, Vinyl Top, Wood Residential Threshold (Pemko 208OAK).....	19.65	5.55
08 72 43 00-0167	LF		3-1/2" Width, 1-1/8" Height, Vinyl Top, Wood Residential Threshold (Pemko 203OAK).....	23.68	6.13
08 72 43 00-0168	LF		3-5/8" Width, 1-3/8" Height, Vinyl Top, Wood Residential Threshold (Pemko 204OAK).....	42.13	6.13
08 72 43 00-0169			<b>Vinyl Top, Aluminum Residential Thresholds</b> (08 72 43 00-0158)		
08 72 43 00-0170	LF		1-3/8" Width, 1/2" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 208AV).....	19.71	5.55
			<i>For Color Anodized Finish, Add</i>	2.34	
08 72 43 00-0171	LF		3-1/4" Width, 3/4" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 206AV).....	22.89	6.13
			<i>For Color Anodized Finish, Add</i>	3.03	
08 72 43 00-0172	LF		3-1/2" Width, 1-1/8" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 207AV).....	24.15	6.13
			<i>For Color Anodized Finish, Add</i>	3.53	
08 72 43 00-0173			<b>Interlocking Residential Thresholds</b> (08 72 43 00-0158)		
08 72 43 00-0174			<b>Aluminum Interlocking Residential Thresholds</b> (08 72 43 00-0173)		

**08 Openings****08 70 Hardware****08 72 Weatherstripping, Thresholds and Seals**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0175			<b>1/2" Height, Aluminum Interlocking Residential Thresholds</b> (08 72 43 00-0174)		
08 72 43 00-0176	LF		4-1/4" Width, 1/2" Height, Aluminum Interlocking Residential Threshold (Pemko 114A) ..... <i>For Color Anodized Finish, Add</i>	41.47 7.71	6.30
08 72 43 00-0177			<b>5/8" Height, Aluminum Interlocking Residential Thresholds</b> (08 72 43 00-0174)		
08 72 43 00-0178	LF		3" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 121A) ..... <i>For Color Anodized Finish, Add</i>	28.18 4.02	5.91
08 72 43 00-0179	LF		3-1/2" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 110A) ..... <i>For Color Anodized Finish, Add</i>	25.89 5.29	6.13
08 72 43 00-0180	LF		4-1/4" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 115A) ..... <i>For Color Anodized Finish, Add</i>	29.80 4.21	6.30
08 72 43 00-0181			<b>7/8" Height, Aluminum Interlocking Residential Thresholds</b> (08 72 43 00-0174)		
08 72 43 00-0182	LF		4-1/2" Width, 7/8" Height, Aluminum Interlocking Residential Threshold (Pemko 120A) ..... <i>For Color Anodized Finish, Add</i>	32.32 8.28	6.30
08 72 43 00-0183			<b>Brass/Bronze Interlocking Residential Thresholds</b> (08 72 43 00-0173)		
08 72 43 00-0184			<b>1/2" Height, Brass/Bronze Interlocking Residential Thresholds</b> (08 72 43 00-0183)		
08 72 43 00-0185	LF		4-1/4" Width, 1/2" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 114B).....	209.01	6.30
08 72 43 00-0186			<b>5/8" Height, Brass/Bronze Interlocking Residential Thresholds</b> (08 72 43 00-0183)		
08 72 43 00-0187	LF		3-1/2" Width, 5/8" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 110B).....	156.34	6.13
08 72 43 00-0188			<b>7/8" Height, Brass/Bronze Interlocking Residential Thresholds</b> (08 72 43 00-0183)		
08 72 43 00-0189	LF		4-1/2" Width, 7/8" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 120B).....	214.23	6.30
08 72 43 00-0190	LF		5-3/4" Width, 7/8" Height, 3/4" Offset, Brass/Bronze Interlocking Residential Threshold (Pemko 123B).....	308.69	6.48
08 72 43 00-0191			<b>Residential Door Sills</b> (08 72 43 00-0001)		
08 72 43 00-0192			<b>Fixed Aluminum Residential Door Sills</b> (08 72 43 00-0191)		
08 72 43 00-0193	LF		4-9/16" Width, 1-1/4" Height, Fixed Aluminum Residential Door Sill (Pemko 84514A)..... <i>For Color Anodized Finish, Add</i>	24.75 4.50	6.30
08 72 43 00-0194	LF		5-5/8" Width, 1-1/4" Height, Fixed Aluminum Residential Door Sill (Pemko 85514A)..... <i>For Color Anodized Finish, Add</i>	26.44 4.09	6.48
08 72 43 00-0195			<b>Adjustable Aluminum Top, Aluminum Residential Door Sills</b> (08 72 43 00-0191)		
08 72 43 00-0196	LF		4-7/8" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 94518A) ..... <i>For Color Anodized Finish, Add</i>	34.38 6.52	6.30
08 72 43 00-0197	LF		5-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 95518A) ..... <i>For Color Anodized Finish, Add</i>	35.30 6.68	6.48
08 72 43 00-0198			<b>Adjustable Wood Top, Aluminum Residential Door Sills</b> (08 72 43 00-0191)		
08 72 43 00-0199	LF		3-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 93518AW)..... <i>For Color Anodized Finish, Add</i>	34.69 6.78	6.13
08 72 43 00-0200	LF		4-7/8" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 94518AW)..... <i>For Color Anodized Finish, Add</i>	35.14 4.85	6.30
08 72 43 00-0201	LF		5-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 95518AW)..... <i>For Color Anodized Finish, Add</i>	36.64 5.11	6.48
08 72 43 00-0202			<b>Extenders For Aluminum Residential Door Sills</b> (08 72 43 00-0191)		
08 72 43 00-0203	LF		3/4" Extender For Aluminum Residential Door Sills (Pemko EXT3/4A) ..... <i>For Color Anodized Finish, Add</i>	15.04 2.76	5.55
08 72 43 00-0204	LF		2" Extender For Aluminum Residential Door Sills (Pemko EXT2A) ..... <i>For Color Anodized Finish, Add</i>	16.30 2.60	5.55
08 72 43 00-0205	LF		3" Extender For Aluminum Residential Door Sills (Pemko EXT3A) ..... <i>For Color Anodized Finish, Add</i>	17.57 1.62	5.55
08 72 43 00-0206			<b>Stone Thresholds</b> (08 72 43 00-0001)		
08 72 43 00-0207			<b>Marble Thresholds</b> (08 72 43 00-0206)		
08 72 43 00-0208	LF		2" Width, 5/8" Height, Plain Marble Threshold.....	18.82	7.44
08 72 43 00-0209	LF		4" Width, 5/8" Height, Plain Marble Threshold.....	20.51	7.44
08 72 43 00-0210	LF		6" Width, 5/8" Height, Plain Marble Threshold.....	22.75	7.44
08 72 43 00-0211	LF		4" Width, 7/8" Height, Plain Marble Threshold.....	27.84	7.44
08 72 43 00-0212	LF		6" Width, 7/8" Height, Plain Marble Threshold.....	33.77	7.44
08 72 43 00-0213			<b>Corian Thresholds</b> (08 72 43 00-0206)		
08 72 43 00-0214	LF		Up To 5-3/4" Width, Corian Threshold.....	75.60	9.21



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 75 Window Hardware (08 70)

**08 75 13 Automatic Window Equipment (08 75)**

08 75 13 00-0001 Window Opener Electric, With 1/2 HP Motor (08 75 13)

08 75 13 00-0002	EA	Gym Window Electronic Opener.....	1,628.74	236.52
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08 78 Special Function Hardware (08 70)

08 78 00 00-0001 Pad Locks (08 78)

08 78 00 00-0002	EA	Combination Padlock.....	22.33	5.55
08 78 00 00-0003	EA	Resettable Combination Padlock With Control Key, 4 Digit, 2" Wide Case, 1" Shackle Height.....	51.07	5.55
08 78 00 00-0004	EA	Resettable Combination Padlock, 4 Digit, 2" Wide Case, 1" Shackle Height.....	47.18	5.55
08 78 00 00-0005	EA	Resettable Combination Padlock, 4 Digit, 2" Wide Case, 2-1/4" Shackle Height.....	52.01	5.55
08 78 00 00-0006	EA	Commercial U-Bar Lock.....	63.17	5.55
08 78 00 00-0007	EA	Weather Tough Padlocks Keyed Alike.....	52.98	5.55
08 78 00 00-0008	EA	High Security Padlocks.....	47.82	5.55
08 78 00 00-0009	EA	Standard Key, Medium Security Padlock Keyed Alike.....	25.16	5.55

08 79 Hardware Accessories (08 70)

**08 79 13 Key Storage Equipment (08 79)**

08 79 13 00-0001 Key Cabinet (08 79 13)

08 79 13 00-0002 Key Cabinets (08 79 13 00-0001)

08 79 13 00-0003	EA	Wall Mounted Key Cabinet, Up To 30 Keys.....	437.52	19.98
08 79 13 00-0004	EA	Wall Mounted Key Cabinet, Up To 60 Keys.....	590.51	22.19
08 79 13 00-0005	EA	Wall Mounted Key Cabinet, Up To 240 Keys.....	1,324.90	33.30
08 79 13 00-0006	EA	Wall Mounted Key Cabinet, Up To 1,200 Keys.....	3,414.11	44.40
08 79 13 00-0007	EA	Drawer Type Key Cabinet, Up To 600 Keys.....	3,642.79	29.41
08 79 13 00-0008	EA	Drawer Type Key Cabinet, Up To 2,400 Keys.....	8,228.43	22.19
08 79 13 00-0009	EA	Tray Type Key Cabinet, Up To 20 Keys.....	184.03	8.88
08 79 13 00-0010	EA	Tray Type Key Cabinet, Up To 50 Keys.....	262.35	11.10

08 79 13 00-0011 Key Boxes Wall Mounted On Any Type Wall, With Anchor (08 79 13 00-0001)

08 79 13 00-0012	EA	Key Box, Metal, 30 Key Hooks, Key Lock Door 3" Deep x 10" Wide x 12" High.....	251.30	16.66
08 79 13 00-0013	EA	Key Box, Metal, 60 Key Hooks, Key Lock Door, 3" Deep x 10" Wide x 12" High.....	284.56	16.66
08 79 13 00-0014	EA	Relocate 10" Wide x 12" High x 3" Deep Metal Key Box.....	56.63	
Note: Including Storage And Cleaning				
08 79 13 00-0015	EA	Relocate Heavy Duty Key Box, With Combo Lock Door.....	127.69	
Note: Including Storage And Cleaning				

08 80 Glazing (08)

Note: Includes neoprene setting blocks and spacers and elastomeric sealants for all glazing tasks. Demolition for all glazing includes removal of glazing (broken or whole), sealant compound and/or astragal, taking down and resetting mullion where necessary.

08 81 Glass Glazing (08 80)

**08 81 23 Exterior Glass Glazing (08 81)**

**08 81 23 13 Factory Installed Glass Glazing (08 81 23)**

08 81 23 13-0001 Clear Float Factory Installed Glass (08 81 23 13)

08 81 23 13-0002 Clear Float Factory Installed Glass (08 81 23 13-0001)

Note: Type I, Class I, Quality Q3.				
08 81 23 13-0003	SF	1/8" Thick, Clear Float Factory Installed Glass.....	7.60	
For >50 To 200, Deduct			-0.23	
For >200 To 400, Deduct			-0.46	
For >400, Deduct			-0.68	
For Tinted Glass, Add			1.90	
For Reflective Coated Glass, Add			3.42	
For Low-E Coated Glass, Add			1.90	
08 81 23 13-0004	SF	3/16" Thick, Clear Float Factory Installed Glass.....	8.15	
For >50 To 200, Deduct			-0.24	
For >200 To 400, Deduct			-0.49	
For >400, Deduct			-0.73	
For Tinted Glass, Add			2.04	
For Reflective Coated Glass, Add			3.67	
For Low-E Coated Glass, Add			2.04	
08 81 23 13-0005	SF	1/4" Thick, Clear Float Factory Installed Glass.....	9.88	
For >50 To 200, Deduct			-0.30	
For >200 To 400, Deduct			-0.59	
For >400, Deduct			-0.89	
For Tinted Glass, Add			2.47	
For Reflective Coated Glass, Add			4.45	
For Low-E Coated Glass, Add			2.47	

**08 Openings****08 80 Glazing****08 81 Glass Glazing**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 81 23 13-0006	SF	5/16" Thick, Clear Float Factory Installed Glass	16.42	
		<i>For &gt;50 To 200, Deduct</i>	-0.49	
		<i>For &gt;200 To 400, Deduct</i>	-0.99	
		<i>For &gt;400, Deduct</i>	-1.48	
		<i>For Tinted Glass, Add</i>	4.11	
		<i>For Reflective Coated Glass, Add</i>	7.39	
		<i>For Low-E Coated Glass, Add</i>	4.11	
08 81 23 13-0007	SF	3/8" Thick, Clear Float Factory Installed Glass	23.89	
		<i>For &gt;50 To 200, Deduct</i>	-0.72	
		<i>For &gt;200 To 400, Deduct</i>	-1.43	
		<i>For &gt;400, Deduct</i>	-2.15	
		<i>For Tinted Glass, Add</i>	5.97	
		<i>For Reflective Coated Glass, Add</i>	10.75	
		<i>For Low-E Coated Glass, Add</i>	5.97	
08 81 23 13-0008	SF	1/2" Thick, Clear Float Factory Installed Glass	26.26	
		<i>For &gt;50 To 200, Deduct</i>	-0.79	
		<i>For &gt;200 To 400, Deduct</i>	-1.58	
		<i>For &gt;400, Deduct</i>	-2.36	
		<i>For Tinted Glass, Add</i>	6.57	
		<i>For Reflective Coated Glass, Add</i>	11.82	
		<i>For Low-E Coated Glass, Add</i>	6.57	
08 81 23 13-0009	SF	5/8" Thick, Clear Float Factory Installed Glass	31.41	
		<i>For &gt;50 To 200, Deduct</i>	-0.94	
		<i>For &gt;200 To 400, Deduct</i>	-1.88	
		<i>For &gt;400, Deduct</i>	-2.83	
		<i>For Tinted Glass, Add</i>	7.85	
		<i>For Reflective Coated Glass, Add</i>	14.13	
		<i>For Low-E Coated Glass, Add</i>	7.85	
08 81 23 13-0010	SF	3/4" Thick, Clear Float Factory Installed Glass	38.80	
		<i>For &gt;50 To 200, Deduct</i>	-1.16	
		<i>For &gt;200 To 400, Deduct</i>	-2.33	
		<i>For &gt;400, Deduct</i>	-3.49	
		<i>For Tinted Glass, Add</i>	9.70	
		<i>For Reflective Coated Glass, Add</i>	17.46	
		<i>For Low-E Coated Glass, Add</i>	9.70	
08 81 23 13-0011		Heat Treated Factory Installed Glass <small>(08 81 23 13)</small>		
08 81 23 13-0012		Tempered, Clear Float Factory Installed Glass <small>(08 81 23 13-0011)</small>		
		Note: Type I, Class I, Quality Q3.		
08 81 23 13-0013	SF	1/8" Thick, Tempered, Clear Float Factory Installed Glass	11.30	
		<i>For &gt;50 To 200, Deduct</i>	-0.34	
		<i>For &gt;200 To 400, Deduct</i>	-0.68	
		<i>For &gt;400, Deduct</i>	-1.02	
		<i>For Tinted Glass, Add</i>	2.83	
		<i>For Reflective Coated Glass, Add</i>	5.09	
		<i>For Low-E Coated Glass, Add</i>	2.83	
08 81 23 13-0014	SF	3/16" Thick, Tempered, Clear Float Factory Installed Glass	12.08	
		<i>For &gt;50 To 200, Deduct</i>	-0.36	
		<i>For &gt;200 To 400, Deduct</i>	-0.72	
		<i>For &gt;400, Deduct</i>	-1.09	
		<i>For Tinted Glass, Add</i>	3.02	
		<i>For Reflective Coated Glass, Add</i>	5.44	
		<i>For Low-E Coated Glass, Add</i>	3.02	
08 81 23 13-0015	SF	1/4" Thick, Tempered, Clear Float Factory Installed Glass	14.69	
		<i>For &gt;50 To 200, Deduct</i>	-0.44	
		<i>For &gt;200 To 400, Deduct</i>	-0.88	
		<i>For &gt;400, Deduct</i>	-1.32	
		<i>For Tinted Glass, Add</i>	3.67	
		<i>For Reflective Coated Glass, Add</i>	6.61	
		<i>For Low-E Coated Glass, Add</i>	3.67	
08 81 23 13-0016	SF	5/16" Thick, Tempered, Clear Float Factory Installed Glass	24.46	
		<i>For &gt;50 To 200, Deduct</i>	-0.73	
		<i>For &gt;200 To 400, Deduct</i>	-1.47	
		<i>For &gt;400, Deduct</i>	-2.20	
		<i>For Tinted Glass, Add</i>	6.12	
		<i>For Reflective Coated Glass, Add</i>	11.01	
		<i>For Low-E Coated Glass, Add</i>	6.12	
08 81 23 13-0017	SF	3/8" Thick, Tempered, Clear Float Factory Installed Glass	35.54	
		<i>For &gt;50 To 200, Deduct</i>	-1.07	
		<i>For &gt;200 To 400, Deduct</i>	-2.13	
		<i>For &gt;400, Deduct</i>	-3.20	
		<i>For Tinted Glass, Add</i>	8.89	
		<i>For Reflective Coated Glass, Add</i>	15.99	
		<i>For Low-E Coated Glass, Add</i>	8.89	
08 81 23 13-0018	SF	1/2" Thick, Tempered, Clear Float Factory Installed Glass	39.05	
		<i>For &gt;50 To 200, Deduct</i>	-1.17	
		<i>For &gt;200 To 400, Deduct</i>	-2.34	
		<i>For &gt;400, Deduct</i>	-3.51	
		<i>For Tinted Glass, Add</i>	9.76	
		<i>For Reflective Coated Glass, Add</i>	17.57	
		<i>For Low-E Coated Glass, Add</i>	9.76	
08 81 23 13-0019	SF	5/8" Thick, Tempered, Clear Float Factory Installed Glass	46.71	
		<i>For &gt;50 To 200, Deduct</i>	-1.40	
		<i>For &gt;200 To 400, Deduct</i>	-2.80	
		<i>For &gt;400, Deduct</i>	-4.20	
		<i>For Tinted Glass, Add</i>	11.68	
		<i>For Reflective Coated Glass, Add</i>	21.02	
		<i>For Low-E Coated Glass, Add</i>	11.68	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0020	SF		3/4" Thick, Tempered, Clear Float Factory Installed Glass.....	57.71	
			<i>For &gt;50 To 200, Deduct</i>	-1.73	
			<i>For &gt;200 To 400, Deduct</i>	-3.46	
			<i>For &gt;400, Deduct</i>	-5.19	
			<i>For Tinted Glass, Add</i>	14.43	
			<i>For Reflective Coated Glass, Add</i>	25.97	
			<i>For Low-E Coated Glass, Add</i>	14.43	
08 81 23 13-0021			<b>Patterned Factory Installed Glass</b> (08 81 23 13)		
08 81 23 13-0022			<b>Rough Obscure, Factory Installed Glass</b> (08 81 23 13-0021)		
			Note: Class II, Form 3, Finish F1.		
08 81 23 13-0023	SF		1/4" Thick, Rough Obscure, Factory Installed Glass.....	16.16	
08 81 23 13-0024			<b>Patterned, Figured Factory Installed Glass</b> (08 81 23 13-0021)		
			Note: Kind HS, Type II, Class I, Form 3, Quality Q8, Finish F2, Pattern P4.		
08 81 23 13-0025	SF		1/8" Thick, Patterned, Figured Factory Installed Glass.....	9.82	
08 81 23 13-0026	SF		7/32" Thick, Patterned, Figured Factory Installed Glass.....	9.82	
08 81 23 13-0027			<b>Wired Factory Installed Glass</b> (08 81 23 13)		
08 81 23 13-0028			<b>Square Or Diamond Pattern, Wired Factory Installed Glass</b> (08 81 23 13-0027)		
			Note: Class I, Form 2, Mesh M1 Or M2, Pattern P2.		
08 81 23 13-0029	SF		1/4" Thick, Square Pattern, Wired Factory Installed Glass.....	25.41	
08 81 23 13-0030	SF		1/4" Thick, Diamond Pattern, Wired Factory Installed Glass.....	34.85	
08 81 23 13-0031			<b>Polished, Wired Factory Installed Glass</b> (08 81 23 13-0027)		
08 81 23 13-0032	SF		1/4" Thick, Polished, Wired Factory Installed Glass.....	38.10	
08 81 23 13-0033			<b>Frosted Factory Installed Glass</b> (08 81 23 13)		
08 81 23 13-0034			<b>Frosted Factory Installed Glass</b> (08 81 23 13-0033)		
08 81 23 13-0035	SF		1/8" Thick, Frosted Factory Installed Glass.....	12.85	
			<i>For &gt;50 To 200, Deduct</i>	-0.39	
			<i>For &gt;200 To 400, Deduct</i>	-0.77	
			<i>For &gt;400, Deduct</i>	-1.16	
08 81 23 13-0036	SF		3/16" Thick, Frosted Factory Installed Glass.....	16.85	
			<i>For &gt;50 To 200, Deduct</i>	-0.51	
			<i>For &gt;200 To 400, Deduct</i>	-1.01	
			<i>For &gt;400, Deduct</i>	-1.52	
08 81 23 13-0037	SF		1/4" Thick, Frosted Factory Installed Glass.....	21.30	
			<i>For &gt;50 To 200, Deduct</i>	-0.64	
			<i>For &gt;200 To 400, Deduct</i>	-1.28	
			<i>For &gt;400, Deduct</i>	-1.92	
08 81 23 13-0038	SF		3/8" Thick, Frosted Factory Installed Glass.....	31.84	
			<i>For &gt;50 To 200, Deduct</i>	-0.96	
			<i>For &gt;200 To 400, Deduct</i>	-1.91	
			<i>For &gt;400, Deduct</i>	-2.87	
08 81 23 13-0039			<b>Fire Rated Factory Installed Glass</b> (08 81 23 13)		
08 81 23 13-0040			<b>Fire Rated Factory Installed Glass</b> (08 81 23 13-0039)		
08 81 23 13-0041	SF		20 Minute, Fire Rated Factory Installed Glass.....	46.65	
08 81 23 13-0042	SF		45 Minute, Fire Rated Factory Installed Glass.....	92.88	
08 81 23 13-0043	SF		60 Minute, Fire Rated Factory Installed Glass.....	143.54	
08 81 23 13-0044	SF		90 Minute, Fire Rated Factory Installed Glass.....	189.98	
08 81 23 13-0045			<b>Laminated Factory Installed Glass</b> (08 81 23 13)		
08 81 23 13-0046			<b>Laminated Glass With PVB Interlayer, Factory Installed Glass</b> (08 81 23 13-0045)		
			Note: Type I, Class I, Quality Q3.		
08 81 23 13-0047	SF		1/4" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass.....	30.27	
			<i>For &gt;50 To 200, Deduct</i>	-0.91	
			<i>For &gt;200 To 400, Deduct</i>	-1.82	
			<i>For &gt;400, Deduct</i>	-2.72	
			<i>For Tinted Glass, Add</i>	7.57	
			<i>For Reflective Coated Glass, Add</i>	13.62	
			<i>For Low-E Coated Glass, Add</i>	7.57	
			<i>For One Piece Heat Strengthened Glass, Add</i>	6.05	
			<i>For One Piece Fully Tempered Glass, Add</i>	6.05	
08 81 23 13-0048	SF		3/8" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass.....	37.78	
			<i>For &gt;50 To 200, Deduct</i>	-1.13	
			<i>For &gt;200 To 400, Deduct</i>	-2.27	
			<i>For &gt;400, Deduct</i>	-3.40	
			<i>For Tinted Glass, Add</i>	9.45	
			<i>For Reflective Coated Glass, Add</i>	17.00	
			<i>For Low-E Coated Glass, Add</i>	9.45	
			<i>For One Piece Heat Strengthened Glass, Add</i>	7.56	
			<i>For One Piece Fully Tempered Glass, Add</i>	7.56	

**08 Openings****08 80 Glazing****08 81 Glass Glazing**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 81 23 13-0049	SF	1/2" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass.....	51.36
		<i>For &gt;50 To 200, Deduct</i>	-1.54
		<i>For &gt;200 To 400, Deduct</i>	-3.08
		<i>For &gt;400, Deduct</i>	-4.62
		<i>For Tinted Glass, Add</i>	12.84
		<i>For Reflective Coated Glass, Add</i>	23.11
		<i>For Low-E Coated Glass, Add</i>	12.84
		<i>For One Piece Heat Strengthened Glass, Add</i>	10.27
		<i>For One Piece Fully Tempered Glass, Add</i>	10.27
08 81 23 13-0050		<b>Insulated Factory Installed Glass</b> (08 81 23 13)	
08 81 23 13-0051		<b>Insulated, Factory Installed Glass</b> (08 81 23 13-0050)	
		Note: Type I, Class I, Quality Q3.	
08 81 23 13-0052		<b>3/16" Air Space, Insulated, Factory Installed Glass</b> (08 81 23 13-0051)	
		Note: Type I, Class I, Quality Q3.	
08 81 23 13-0053	SF	3/8" Thick, Insulated Factory Installed Glass .....	15.55
		Note: Two 3/32" lites with 3/16" air space.	
		<i>For &gt;50 To 200, Deduct</i>	-0.47
		<i>For &gt;200 To 400, Deduct</i>	-0.93
		<i>For &gt;400, Deduct</i>	-1.40
		<i>For Tinted Glass, Add</i>	3.89
		<i>For Reflective Coated Glass, Add</i>	7.00
		<i>For Low-E Coated Glass, Add</i>	3.89
		<i>For One Piece Heat Strengthened Glass, Add</i>	3.11
		<i>For One Piece Fully Tempered Glass, Add</i>	3.11
		<i>For One Piece Obscure Glass, Add</i>	6.61
		<i>For Argon Gas, Add</i>	2.14
08 81 23 13-0054	SF	1/2" Thick, Insulated Factory Installed Glass .....	16.99
		Note: One 3/16" lite and one 1/8" lite with 3/16" air space.	
		<i>For &gt;50 To 200, Deduct</i>	-0.51
		<i>For &gt;200 To 400, Deduct</i>	-1.02
		<i>For &gt;400, Deduct</i>	-1.53
		<i>For Tinted Glass, Add</i>	4.25
		<i>For Reflective Coated Glass, Add</i>	7.65
		<i>For Low-E Coated Glass, Add</i>	4.25
		<i>For One Piece Heat Strengthened Glass, Add</i>	3.40
		<i>For One Piece Fully Tempered Glass, Add</i>	3.40
		<i>For One Piece Obscure Glass, Add</i>	7.22
		<i>For Argon Gas, Add</i>	2.34
08 81 23 13-0055	SF	9/16" Thick, Insulated Factory Installed Glass .....	17.02
		Note: Two 3/16" lites with 3/16" air space.	
		<i>For &gt;50 To 200, Deduct</i>	-0.51
		<i>For &gt;200 To 400, Deduct</i>	-1.02
		<i>For &gt;400, Deduct</i>	-1.53
		<i>For Tinted Glass, Add</i>	4.26
		<i>For Reflective Coated Glass, Add</i>	7.66
		<i>For Low-E Coated Glass, Add</i>	4.26
		<i>For One Piece Heat Strengthened Glass, Add</i>	3.40
		<i>For One Piece Fully Tempered Glass, Add</i>	3.40
		<i>For One Piece Obscure Glass, Add</i>	7.23
		<i>For Argon Gas, Add</i>	2.34
08 81 23 13-0056		<b>1/4" Air Space, Insulated, Factory Installed Glass</b> (08 81 23 13-0051)	
		Note: Type I, Class I, Quality Q3.	
08 81 23 13-0057	SF	7/16" Thick, Insulated Factory Installed Glass .....	16.01
		Note: Two 3/32" lites with 1/4" air space.	
		<i>For &gt;50 To 200, Deduct</i>	-0.48
		<i>For &gt;200 To 400, Deduct</i>	-0.96
		<i>For &gt;400, Deduct</i>	-1.44
		<i>For Tinted Glass, Add</i>	4.00
		<i>For Reflective Coated Glass, Add</i>	7.20
		<i>For Low-E Coated Glass, Add</i>	4.00
		<i>For One Piece Heat Strengthened Glass, Add</i>	3.20
		<i>For One Piece Fully Tempered Glass, Add</i>	3.20
		<i>For One Piece Obscure Glass, Add</i>	6.80
		<i>For Argon Gas, Add</i>	2.20
08 81 23 13-0058	SF	1/2" Thick, Insulated Factory Installed Glass .....	16.99
		Note: Two 1/8" lites with 1/4" air space.	
		<i>For &gt;50 To 200, Deduct</i>	-0.51
		<i>For &gt;200 To 400, Deduct</i>	-1.02
		<i>For &gt;400, Deduct</i>	-1.53
		<i>For Tinted Glass, Add</i>	4.25
		<i>For Reflective Coated Glass, Add</i>	7.65
		<i>For Low-E Coated Glass, Add</i>	4.25
		<i>For One Piece Heat Strengthened Glass, Add</i>	3.40
		<i>For One Piece Fully Tempered Glass, Add</i>	3.40
		<i>For One Piece Obscure Glass, Add</i>	7.22
		<i>For Argon Gas, Add</i>	2.34

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0059	SF		5/8" Thick, Insulated Factory Installed Glass.....	17.19	
			Note: Two 3/16" lites with 1/4" air space.		
			For >50 To 200, Deduct	-0.52	
			For >200 To 400, Deduct	-1.03	
			For >400, Deduct	-1.55	
			For Tinted Glass, Add	4.30	
			For Reflective Coated Glass, Add	7.74	
			For Low-E Coated Glass, Add	4.30	
			For One Piece Heat Strengthened Glass, Add	3.44	
			For One Piece Fully Tempered Glass, Add	3.44	
			For One Piece Obscure Glass, Add	7.31	
			For Argon Gas, Add	2.36	
08 81 23 13-0060	SF		5/8" Thick, Insulated Factory Installed Glass.....	17.19	
			Note: One 1/4" lite and one 1/8" lite with 1/4" air space.		
			For >50 To 200, Deduct	-0.52	
			For >200 To 400, Deduct	-1.03	
			For >400, Deduct	-1.55	
			For Tinted Glass, Add	4.30	
			For Reflective Coated Glass, Add	7.74	
			For Low-E Coated Glass, Add	4.30	
			For One Piece Heat Strengthened Glass, Add	3.44	
			For One Piece Fully Tempered Glass, Add	3.44	
			For One Piece Obscure Glass, Add	7.31	
			For Argon Gas, Add	2.36	
08 81 23 13-0061	SF		3/4" Thick, Insulated Factory Installed Glass.....	18.01	
			Note: Two 1/4" lites with 1/4" air space.		
			For >50 To 200, Deduct	-0.54	
			For >200 To 400, Deduct	-1.08	
			For >400, Deduct	-1.62	
			For Tinted Glass, Add	4.50	
			For Reflective Coated Glass, Add	8.10	
			For Low-E Coated Glass, Add	4.50	
			For One Piece Heat Strengthened Glass, Add	3.60	
			For One Piece Fully Tempered Glass, Add	3.60	
			For One Piece Obscure Glass, Add	7.65	
			For Argon Gas, Add	2.48	
08 81 23 13-0062			3/8" Air Space, Insulated, Factory Installed Glass (08 81 23 13-0051)		
			Note: Type I, Class I, Quality Q3.		
08 81 23 13-0063	SF		5/8" Thick, Insulated Factory Installed Glass.....	17.19	
			Note: Two 1/8" lites with 3/8" air space.		
			For >50 To 200, Deduct	-0.52	
			For >200 To 400, Deduct	-1.03	
			For >400, Deduct	-1.55	
			For Tinted Glass, Add	4.30	
			For Reflective Coated Glass, Add	7.74	
			For Low-E Coated Glass, Add	4.30	
			For One Piece Heat Strengthened Glass, Add	3.44	
			For One Piece Fully Tempered Glass, Add	3.44	
			For One Piece Obscure Glass, Add	7.31	
			For Argon Gas, Add	2.36	
08 81 23 13-0064	SF		3/4" Thick, Insulated Factory Installed Glass.....	18.01	
			Note: Two 3/16" lites with 3/8" air space.		
			For >50 To 200, Deduct	-0.54	
			For >200 To 400, Deduct	-1.08	
			For >400, Deduct	-1.62	
			For Tinted Glass, Add	4.50	
			For Reflective Coated Glass, Add	8.10	
			For Low-E Coated Glass, Add	4.50	
			For One Piece Heat Strengthened Glass, Add	3.60	
			For One Piece Fully Tempered Glass, Add	3.60	
			For One Piece Obscure Glass, Add	7.65	
			For Argon Gas, Add	2.48	
08 81 23 13-0065	SF		7/8" Thick, Insulated Factory Installed Glass.....	19.97	
			Note: Two 1/4" lites with 3/8" air space.		
			For >50 To 200, Deduct	-0.60	
			For >200 To 400, Deduct	-1.20	
			For >400, Deduct	-1.80	
			For Tinted Glass, Add	4.99	
			For Reflective Coated Glass, Add	8.99	
			For Low-E Coated Glass, Add	4.99	
			For One Piece Heat Strengthened Glass, Add	3.99	
			For One Piece Fully Tempered Glass, Add	3.99	
			For One Piece Obscure Glass, Add	8.49	
			For Argon Gas, Add	2.75	
08 81 23 13-0066			1/2" Air Space, Insulated, Factory Installed Glass (08 81 23 13-0051)		
			Note: Type I, Class I, Quality Q3.		

**08 Openings****08 80 Glazing****08 81 Glass Glazing**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 81 23 13-0067	SF	3/4" Thick, Insulated Factory Installed Glass .....	18.01	
		Note: Two 1/8" lites with 1/2" air space.		
		For >50 To 200, Deduct	-0.54	
		For >200 To 400, Deduct	-1.08	
		For >400, Deduct	-1.62	
		For Tinted Glass, Add	4.50	
		For Reflective Coated Glass, Add	8.10	
		For Low-E Coated Glass, Add	4.50	
		For One Piece Heat Strengthened Glass, Add	3.60	
		For One Piece Fully Tempered Glass, Add	3.60	
		For One Piece Obscure Glass, Add	7.65	
		For Argon Gas, Add	2.48	
08 81 23 13-0068	SF	7/8" Thick, Insulated Factory Installed Glass .....	19.97	
		Note: Two 3/16" lites with 1/2" air space.		
		For >50 To 200, Deduct	-0.60	
		For >200 To 400, Deduct	-1.20	
		For >400, Deduct	-1.80	
		For Tinted Glass, Add	4.99	
		For Reflective Coated Glass, Add	8.99	
		For Low-E Coated Glass, Add	4.99	
		For One Piece Heat Strengthened Glass, Add	3.99	
		For One Piece Fully Tempered Glass, Add	3.99	
		For One Piece Obscure Glass, Add	8.49	
		For Argon Gas, Add	2.75	
08 81 23 13-0069	SF	7/8" Thick, Insulated Factory Installed Glass .....	19.97	
		Note: One 1/4" lite and one 1/8" lite with 1/2" air space.		
		For >50 To 200, Deduct	-0.60	
		For >200 To 400, Deduct	-1.20	
		For >400, Deduct	-1.80	
		For Tinted Glass, Add	4.99	
		For Reflective Coated Glass, Add	8.99	
		For Low-E Coated Glass, Add	4.99	
		For One Piece Heat Strengthened Glass, Add	3.99	
		For One Piece Fully Tempered Glass, Add	3.99	
		For One Piece Obscure Glass, Add	8.49	
		For Argon Gas, Add	2.75	
08 81 23 13-0070	SF	1" Thick, Insulated Factory Installed Glass .....	21.84	
		Note: Two 1/4" lites with 1/2" air space.		
		For >50 To 200, Deduct	-0.66	
		For >200 To 400, Deduct	-1.31	
		For >400, Deduct	-1.97	
		For Tinted Glass, Add	5.46	
		For Reflective Coated Glass, Add	9.83	
		For Low-E Coated Glass, Add	5.46	
		For One Piece Heat Strengthened Glass, Add	4.37	
		For One Piece Fully Tempered Glass, Add	4.37	
		For One Piece Obscure Glass, Add	9.28	
		For Argon Gas, Add	3.00	

**08 81 23 23 Field Installed Glass Glazing (08 81 23)**

08 81 23 23-0001 Heat Treated Field Installed Glass (08 81 23 23)

08 81 23 23-0002 Tempered, Clear Float Field Installed Glass (08 81 23 23-0001)

Note: Type I, Class I, Quality Q3.

08 81 23 23-0003	SF	1/8" Thick, Tempered, Clear Float Field Installed Glass .....	25.95	
		For >50 To 200, Deduct	-0.34	
		For >200 To 400, Deduct	-0.68	
		For >400, Deduct	-1.02	
		For Glass Removal And Preparing Opening For New Glazing, Add	14.65	
		For Tinted Glass, Add	2.83	
		For Reflective Coated Glass, Add	5.09	
		For Low-E Coated Glass, Add	2.83	
08 81 23 23-0004	SF	3/16" Thick, Tempered, Clear Float Field Installed Glass .....	27.86	
		For >50 To 200, Deduct	-0.36	
		For >200 To 400, Deduct	-0.72	
		For >400, Deduct	-1.09	
		For Glass Removal And Preparing Opening For New Glazing, Add	15.78	
		For Tinted Glass, Add	3.02	
		For Reflective Coated Glass, Add	5.44	
		For Low-E Coated Glass, Add	3.02	
08 81 23 23-0005	SF	1/4" Thick, Tempered, Clear Float Field Installed Glass .....	31.59	
		For >50 To 200, Deduct	-0.44	
		For >200 To 400, Deduct	-0.88	
		For >400, Deduct	-1.32	
		For Glass Removal And Preparing Opening For New Glazing, Add	16.90	
		For Tinted Glass, Add	3.67	
		For Reflective Coated Glass, Add	6.61	
		For Low-E Coated Glass, Add	3.67	
08 81 23 23-0006	SF	5/16" Thick, Tempered, Clear Float Field Installed Glass .....	43.62	
		For >50 To 200, Deduct	-0.73	
		For >200 To 400, Deduct	-1.47	
		For >400, Deduct	-2.20	
		For Glass Removal And Preparing Opening For New Glazing, Add	19.16	
		For Tinted Glass, Add	6.12	
		For Reflective Coated Glass, Add	11.01	
		For Low-E Coated Glass, Add	6.12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0007	SF		3/8" Thick, Tempered, Clear Float Field Installed Glass .....	56.95	
			<i>For &gt;50 To 200, Deduct</i>	-1.07	
			<i>For &gt;200 To 400, Deduct</i>	-2.13	
			<i>For &gt;400, Deduct</i>	-3.20	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	21.41	
			<i>For Tinted Glass, Add</i>	8.89	
			<i>For Reflective Coated Glass, Add</i>	15.99	
			<i>For Low-E Coated Glass, Add</i>	8.89	
08 81 23 23-0008	SF		1/2" Thick, Tempered, Clear Float Field Installed Glass .....	62.71	
			<i>For &gt;50 To 200, Deduct</i>	-1.17	
			<i>For &gt;200 To 400, Deduct</i>	-2.34	
			<i>For &gt;400, Deduct</i>	-3.51	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	23.66	
			<i>For Tinted Glass, Add</i>	9.76	
			<i>For Reflective Coated Glass, Add</i>	17.57	
			<i>For Low-E Coated Glass, Add</i>	9.76	
08 81 23 23-0009	SF		5/8" Thick, Tempered, Clear Float Field Installed Glass .....	76.00	
			<i>For &gt;50 To 200, Deduct</i>	-1.40	
			<i>For &gt;200 To 400, Deduct</i>	-2.80	
			<i>For &gt;400, Deduct</i>	-4.20	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	29.29	
			<i>For Tinted Glass, Add</i>	11.68	
			<i>For Reflective Coated Glass, Add</i>	21.02	
			<i>For Low-E Coated Glass, Add</i>	11.68	
08 81 23 23-0010	SF		3/4" Thick, Tempered, Clear Float Field Installed Glass .....	92.64	
			<i>For &gt;50 To 200, Deduct</i>	-1.73	
			<i>For &gt;200 To 400, Deduct</i>	-3.46	
			<i>For &gt;400, Deduct</i>	-5.19	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	34.93	
			<i>For Tinted Glass, Add</i>	14.43	
			<i>For Reflective Coated Glass, Add</i>	25.97	
			<i>For Low-E Coated Glass, Add</i>	14.43	
08 81 23 23-0011			Clear Float Field Installed Glass <small>(08 81 23 23)</small>		
08 81 23 23-0012			Clear Float Field Installed Glass <small>(08 81 23 23-0011)</small>		
			Note: Type I, Class I, Quality Q3.		
08 81 23 23-0013	SF		1/8" Thick, Clear Float Field Installed Glass .....	22.25	
			<i>For &gt;50 To 200, Deduct</i>	-0.23	
			<i>For &gt;200 To 400, Deduct</i>	-0.46	
			<i>For &gt;400, Deduct</i>	-0.68	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	14.65	
			<i>For Tinted Glass, Add</i>	1.90	
			<i>For Reflective Coated Glass, Add</i>	3.42	
			<i>For Low-E Coated Glass, Add</i>	1.90	
08 81 23 23-0014	SF		3/16" Thick, Clear Float Field Installed Glass .....	23.93	
			<i>For &gt;50 To 200, Deduct</i>	-0.24	
			<i>For &gt;200 To 400, Deduct</i>	-0.49	
			<i>For &gt;400, Deduct</i>	-0.73	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	15.78	
			<i>For Tinted Glass, Add</i>	2.04	
			<i>For Reflective Coated Glass, Add</i>	3.67	
			<i>For Low-E Coated Glass, Add</i>	2.04	
08 81 23 23-0015	SF		1/4" Thick, Clear Float Field Installed Glass .....	26.78	
			<i>For &gt;50 To 200, Deduct</i>	-0.30	
			<i>For &gt;200 To 400, Deduct</i>	-0.59	
			<i>For &gt;400, Deduct</i>	-0.89	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	16.90	
			<i>For Tinted Glass, Add</i>	2.47	
			<i>For Reflective Coated Glass, Add</i>	4.45	
			<i>For Low-E Coated Glass, Add</i>	2.47	
08 81 23 23-0016	SF		5/16" Thick, Clear Float Field Installed Glass .....	35.58	
			<i>For &gt;50 To 200, Deduct</i>	-0.49	
			<i>For &gt;200 To 400, Deduct</i>	-0.99	
			<i>For &gt;400, Deduct</i>	-1.48	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	19.16	
			<i>For Tinted Glass, Add</i>	4.11	
			<i>For Reflective Coated Glass, Add</i>	7.39	
			<i>For Low-E Coated Glass, Add</i>	4.11	
08 81 23 23-0017	SF		3/8" Thick, Clear Float Field Installed Glass .....	45.30	
			<i>For &gt;50 To 200, Deduct</i>	-0.72	
			<i>For &gt;200 To 400, Deduct</i>	-1.43	
			<i>For &gt;400, Deduct</i>	-2.15	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	21.41	
			<i>For Tinted Glass, Add</i>	5.97	
			<i>For Reflective Coated Glass, Add</i>	10.75	
			<i>For Low-E Coated Glass, Add</i>	5.97	
08 81 23 23-0018	SF		1/2" Thick, Clear Float Field Installed Glass .....	49.92	
			<i>For &gt;50 To 200, Deduct</i>	-0.79	
			<i>For &gt;200 To 400, Deduct</i>	-1.58	
			<i>For &gt;400, Deduct</i>	-2.36	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	23.66	
			<i>For Tinted Glass, Add</i>	6.57	
			<i>For Reflective Coated Glass, Add</i>	11.82	
			<i>For Low-E Coated Glass, Add</i>	6.57	

**08 Openings****08 80 Glazing****08 81 Glass Glazing**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 81 23 23-0019	SF 5/8" Thick, Clear Float Field Installed Glass .....	60.70	
	<i>For &gt;50 To 200, Deduct</i>	-0.94	
	<i>For &gt;200 To 400, Deduct</i>	-1.88	
	<i>For &gt;400, Deduct</i>	-2.83	
	<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	29.29	
	<i>For Tinted Glass, Add</i>	7.85	
	<i>For Reflective Coated Glass, Add</i>	14.13	
	<i>For Low-E Coated Glass, Add</i>	7.85	
08 81 23 23-0020	SF 3/4" Thick, Clear Float Field Installed Glass .....	73.73	
	<i>For &gt;50 To 200, Deduct</i>	-1.16	
	<i>For &gt;200 To 400, Deduct</i>	-2.33	
	<i>For &gt;400, Deduct</i>	-3.49	
	<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	34.93	
	<i>For Tinted Glass, Add</i>	9.70	
	<i>For Reflective Coated Glass, Add</i>	17.46	
	<i>For Low-E Coated Glass, Add</i>	9.70	
08 81 23 23-0021	Patterned Field Installed Glass <small>(08 81 23 23)</small>		
08 81 23 23-0022	Rough Obscure Field Installed Glass <small>(08 81 23 23-0021)</small>		
	Note: Class II, Form 3, Finish F1.		
08 81 23 23-0023	SF 1/4" Thick, Rough Obscure Field Installed Glass .....	33.06	
	<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	16.90	
08 81 23 23-0024	Patterned, Figured Field Installed Glass <small>(08 81 23 23-0021)</small>		
	Note: Kind HS, Type II, Class I, Form 3, Quality Q8, Finish F2, Pattern P4.		
08 81 23 23-0025	SF 1/8" Thick, Patterned, Figured Field Installed Glass .....	24.47	
	<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	14.65	
08 81 23 23-0026	SF 7/32" Thick, Patterned, Figured Field Installed Glass .....	26.16	
	<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	16.34	
08 81 23 23-0027	Wired Field Installed Glass <small>(08 81 23 23)</small>		
08 81 23 23-0028	Square Or Diamond Pattern, Wired Field Installed Glass <small>(08 81 23 23-0027)</small>		
	Note: Class I, Form 2, Mesh M1 Or M2, Pattern P2.		
08 81 23 23-0029	SF 1/4" Thick, Square Pattern, Wired Field Installed Glass .....	42.31	
	<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	16.90	
08 81 23 23-0030	SF 1/4" Thick, Diamond Pattern, Wired Field Installed Glass .....	51.75	
	<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	16.90	
08 81 23 23-0031	Polished, Wired Field Installed Glass <small>(08 81 23 23-0027)</small>		
08 81 23 23-0032	SF 1/4" Thick, Polished, Wired Field Installed Glass .....	55.00	
	<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	16.90	
08 81 23 23-0033	Frosted Field Installed Glass <small>(08 81 23 23)</small>		
08 81 23 23-0034	Frosted Field Installed Glass <small>(08 81 23 23-0033)</small>		
08 81 23 23-0035	SF 1/8" Thick, Frosted Field Installed Glass .....	27.50	
	<i>For &gt;50 To 200, Deduct</i>	-0.39	
	<i>For &gt;200 To 400, Deduct</i>	-0.77	
	<i>For &gt;400, Deduct</i>	-1.16	
	<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	14.65	
08 81 23 23-0036	SF 3/16" Thick, Frosted Field Installed Glass .....	32.63	
	<i>For &gt;50 To 200, Deduct</i>	-0.51	
	<i>For &gt;200 To 400, Deduct</i>	-1.01	
	<i>For &gt;400, Deduct</i>	-1.52	
	<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	15.78	
08 81 23 23-0037	SF 1/4" Thick, Frosted Field Installed Glass .....	38.20	
	<i>For &gt;50 To 200, Deduct</i>	-0.64	
	<i>For &gt;200 To 400, Deduct</i>	-1.28	
	<i>For &gt;400, Deduct</i>	-1.92	
	<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	16.90	
08 81 23 23-0038	SF 3/8" Thick, Frosted Field Installed Glass .....	53.25	
	<i>For &gt;50 To 200, Deduct</i>	-0.96	
	<i>For &gt;200 To 400, Deduct</i>	-1.91	
	<i>For &gt;400, Deduct</i>	-2.87	
	<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	21.41	
08 81 23 23-0039	Fire Rated Field Installed Glass <small>(08 81 23 23)</small>		
08 81 23 23-0040	Fire Rated Field Installed Glass <small>(08 81 23 23-0039)</small>		
08 81 23 23-0041	SF 20 Minute, Fire Rated Field Installed Glass .....	63.55	
	<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	16.90	
08 81 23 23-0042	SF 45 Minute, Fire Rated Field Installed Glass .....	109.78	
	<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	16.90	
08 81 23 23-0043	SF 60 Minute, Fire Rated Field Installed Glass .....	160.44	
	<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	16.90	
08 81 23 23-0044	SF 90 Minute, Fire Rated Field Installed Glass .....	206.88	
	<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	16.90	
08 81 23 23-0045	Laminated Field Installed Glass <small>(08 81 23 23)</small>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>08 81 23 23-0046</b>			<b>Laminated Glass With PVB Interlayer, Field Installed Glass</b> (08 81 23 23-0045) Note: Type I, Class I, Quality Q3.		
08 81 23 23-0047	SF		1/4" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass.....	47.17	
			For >50 To 200, Deduct	-0.91	
			For >200 To 400, Deduct	-1.82	
			For >400, Deduct	-2.72	
			For Glass Removal And Preparing Opening For New Glazing, Add	16.90	
			For Tinted Glass, Add	7.57	
			For Reflective Coated Glass, Add	13.62	
			For Low-E Coated Glass, Add	7.57	
			For One Piece Heat Strengthened Glass, Add	6.05	
			For One Piece Fully Tempered Glass, Add	6.05	
08 81 23 23-0048	SF		3/8" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass.....	59.19	
			For >50 To 200, Deduct	-1.13	
			For >200 To 400, Deduct	-2.27	
			For >400, Deduct	-3.40	
			For Glass Removal And Preparing Opening For New Glazing, Add	21.41	
			For Tinted Glass, Add	9.45	
			For Reflective Coated Glass, Add	17.00	
			For Low-E Coated Glass, Add	9.45	
			For One Piece Heat Strengthened Glass, Add	7.56	
			For One Piece Fully Tempered Glass, Add	7.56	
08 81 23 23-0049	SF		1/2" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass.....	75.02	
			For >50 To 200, Deduct	-1.54	
			For >200 To 400, Deduct	-3.08	
			For >400, Deduct	-4.62	
			For Glass Removal And Preparing Opening For New Glazing, Add	23.66	
			For Tinted Glass, Add	12.84	
			For Reflective Coated Glass, Add	23.11	
			For Low-E Coated Glass, Add	12.84	
			For One Piece Heat Strengthened Glass, Add	10.27	
			For One Piece Fully Tempered Glass, Add	10.27	
08 81 23 23-0050	SF		9/16" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass.....	82.00	
			For >50 To 200, Deduct	-1.73	
			For >200 To 400, Deduct	-3.47	
			For >400, Deduct	-5.20	
			For Glass Removal And Preparing Opening For New Glazing, Add	24.22	
			For Tinted Glass, Add	14.45	
			For Reflective Coated Glass, Add	26.00	
			For Low-E Coated Glass, Add	14.45	
			For One Piece Heat Strengthened Glass, Add	11.56	
			For One Piece Fully Tempered Glass, Add	11.56	
<b>08 81 23 23-0051</b>			<b>Insulated Field Installed Glass</b> (08 81 23 23)		
<b>08 81 23 23-0052</b>			<b>Insulated Glass, Field Installed Glass</b> (08 81 23 23-0051) Note: Type I, Class I, Quality Q3.		
<b>08 81 23 23-0053</b>			<b>3/16" Air Space, Insulated, Field Installed Glass</b> (08 81 23 23-0052) Note: Type I, Class I, Quality Q3.		
08 81 23 23-0054	SF		3/8" Thick, Insulated Field Installed Glass..... Note: Two 3/32" lites with 3/16" air space.	34.48	
			For >50 To 200, Deduct	-0.47	
			For >200 To 400, Deduct	-0.93	
			For >400, Deduct	-1.40	
			For Glass Removal And Preparing Opening For New Glazing, Add	18.93	
			For Tinted Glass, Add	3.89	
			For Reflective Coated Glass, Add	7.00	
			For Low-E Coated Glass, Add	3.89	
			For One Piece Heat Strengthened Glass, Add	3.11	
			For One Piece Fully Tempered Glass, Add	3.11	
			For One Piece Obscure Glass, Add	6.61	
			For Argon Gas, Add	2.14	
08 81 23 23-0055	SF		1/2" Thick, Insulated Field Installed Glass..... Note: One 3/16" lite and one 1/8" lite with 3/16" air space.	36.71	
			For >50 To 200, Deduct	-0.51	
			For >200 To 400, Deduct	-1.02	
			For >400, Deduct	-1.53	
			For Glass Removal And Preparing Opening For New Glazing, Add	19.72	
			For Tinted Glass, Add	4.25	
			For Reflective Coated Glass, Add	7.65	
			For Low-E Coated Glass, Add	4.25	
			For One Piece Heat Strengthened Glass, Add	3.40	
			For One Piece Fully Tempered Glass, Add	3.40	
			For One Piece Obscure Glass, Add	7.22	
			For Argon Gas, Add	2.34	
08 81 23 23-0056	SF		9/16" Thick, Insulated Field Installed Glass..... Note: Two 3/16" lites with 3/16" air space.	37.08	
			For >50 To 200, Deduct	-0.51	
			For >200 To 400, Deduct	-1.02	
			For >400, Deduct	-1.53	
			For Glass Removal And Preparing Opening For New Glazing, Add	20.06	
			For Tinted Glass, Add	4.26	
			For Reflective Coated Glass, Add	7.66	
			For Low-E Coated Glass, Add	4.26	
			For One Piece Heat Strengthened Glass, Add	3.40	
			For One Piece Fully Tempered Glass, Add	3.40	
			For One Piece Obscure Glass, Add	7.23	
			For Argon Gas, Add	2.34	

**08 Openings****08 80 Glazing****08 81 Glass Glazing**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

		TOTAL DIRECT	DEMOLITION
		UNIT COST	UNIT COST
08 81 23 23-0057	<b>1/4" Air Space, Insulated, Field Installed Glass</b> (08 81 23 23-0052) Note: Type I, Class I, Quality Q3.		
08 81 23 23-0058	SF 7/16" Thick, Insulated Field Installed Glass ..... Note: Two 3/32" lites with 1/4" air space.		35.28
	For >50 To 200, Deduct	-0.48	
	For >200 To 400, Deduct	-0.96	
	For >400, Deduct	-1.44	
	For Glass Removal And Preparing Opening For New Glazing, Add	19.27	
	For Tinted Glass, Add	4.00	
	For Reflective Coated Glass, Add	7.20	
	For Low-E Coated Glass, Add	4.00	
	For One Piece Heat Strengthened Glass, Add	3.20	
	For One Piece Fully Tempered Glass, Add	3.20	
	For One Piece Obscure Glass, Add	6.80	
	For Argon Gas, Add	2.20	
08 81 23 23-0059	SF 1/2" Thick, Insulated Field Installed Glass ..... Note: Two 1/8" lites with 1/4" air space.		36.71
	For >50 To 200, Deduct	-0.51	
	For >200 To 400, Deduct	-1.02	
	For >400, Deduct	-1.53	
	For Glass Removal And Preparing Opening For New Glazing, Add	19.72	
	For Tinted Glass, Add	4.25	
	For Reflective Coated Glass, Add	7.65	
	For Low-E Coated Glass, Add	4.25	
	For One Piece Heat Strengthened Glass, Add	3.40	
	For One Piece Fully Tempered Glass, Add	3.40	
	For One Piece Obscure Glass, Add	7.22	
	For Argon Gas, Add	2.34	
08 81 23 23-0060	SF 5/8" Thick, Insulated Field Installed Glass ..... Note: Two 3/16" lites with 1/4" air space.		38.22
	For >50 To 200, Deduct	-0.52	
	For >200 To 400, Deduct	-1.03	
	For >400, Deduct	-1.55	
	For Glass Removal And Preparing Opening For New Glazing, Add	21.03	
	For Tinted Glass, Add	4.30	
	For Reflective Coated Glass, Add	7.74	
	For Low-E Coated Glass, Add	4.30	
	For One Piece Heat Strengthened Glass, Add	3.44	
	For One Piece Fully Tempered Glass, Add	3.44	
	For One Piece Obscure Glass, Add	7.31	
	For Argon Gas, Add	2.36	
08 81 23 23-0061	SF 5/8" Thick, Insulated Field Installed Glass ..... Note: One 1/4" lite and one 1/8" lite with 1/4" air space.		38.22
	For >50 To 200, Deduct	-0.52	
	For >200 To 400, Deduct	-1.03	
	For >400, Deduct	-1.55	
	For Glass Removal And Preparing Opening For New Glazing, Add	21.03	
	For Tinted Glass, Add	4.30	
	For Reflective Coated Glass, Add	7.74	
	For Low-E Coated Glass, Add	4.30	
	For One Piece Heat Strengthened Glass, Add	3.44	
	For One Piece Fully Tempered Glass, Add	3.44	
	For One Piece Obscure Glass, Add	7.31	
	For Argon Gas, Add	2.36	
08 81 23 23-0062	SF 3/4" Thick, Insulated Field Installed Glass ..... Note: Two 1/4" lites with 1/4" air space.		40.96
	For >50 To 200, Deduct	-0.54	
	For >200 To 400, Deduct	-1.08	
	For >400, Deduct	-1.62	
	For Glass Removal And Preparing Opening For New Glazing, Add	22.95	
	For Tinted Glass, Add	4.50	
	For Reflective Coated Glass, Add	8.10	
	For Low-E Coated Glass, Add	4.50	
	For One Piece Heat Strengthened Glass, Add	3.60	
	For One Piece Fully Tempered Glass, Add	3.60	
	For One Piece Obscure Glass, Add	7.65	
	For Argon Gas, Add	2.48	
08 81 23 23-0063	<b>3/8" Air Space, Insulated, Field Installed Glass</b> (08 81 23 23-0052) Note: Type I, Class I, Quality Q3.		
08 81 23 23-0064	SF 5/8" Thick, Insulated Field Installed Glass ..... Note: Two 1/8" lites with 3/8" air space.		38.22
	For >50 To 200, Deduct	-0.52	
	For >200 To 400, Deduct	-1.03	
	For >400, Deduct	-1.55	
	For Glass Removal And Preparing Opening For New Glazing, Add	21.03	
	For Tinted Glass, Add	4.30	
	For Reflective Coated Glass, Add	7.74	
	For Low-E Coated Glass, Add	4.30	
	For One Piece Heat Strengthened Glass, Add	3.44	
	For One Piece Fully Tempered Glass, Add	3.44	
	For One Piece Obscure Glass, Add	7.31	
	For Argon Gas, Add	2.36	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 81 23 23-0065	SF		3/4" Thick, Insulated Field Installed Glass .....40.96 Note: Two 3/16" lites with 3/8" air space.		
			<i>For &gt;50 To 200, Deduct</i>	-0.54	
			<i>For &gt;200 To 400, Deduct</i>	-1.08	
			<i>For &gt;400, Deduct</i>	-1.62	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	22.95	
			<i>For Tinted Glass, Add</i>	4.50	
			<i>For Reflective Coated Glass, Add</i>	8.10	
			<i>For Low-E Coated Glass, Add</i>	4.50	
			<i>For One Piece Heat Strengthened Glass, Add</i>	3.60	
			<i>For One Piece Fully Tempered Glass, Add</i>	3.60	
			<i>For One Piece Obscure Glass, Add</i>	7.65	
			<i>For Argon Gas, Add</i>	2.48	
08 81 23 23-0066	SF		7/8" Thick, Insulated Field Installed Glass .....43.41 Note: Two 1/4" lites with 3/8" air space.		
			<i>For &gt;50 To 200, Deduct</i>	-0.60	
			<i>For &gt;200 To 400, Deduct</i>	-1.20	
			<i>For &gt;400, Deduct</i>	-1.80	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	23.44	
			<i>For Tinted Glass, Add</i>	4.99	
			<i>For Reflective Coated Glass, Add</i>	8.99	
			<i>For Low-E Coated Glass, Add</i>	4.99	
			<i>For One Piece Heat Strengthened Glass, Add</i>	3.99	
			<i>For One Piece Fully Tempered Glass, Add</i>	3.99	
			<i>For One Piece Obscure Glass, Add</i>	8.49	
			<i>For Argon Gas, Add</i>	2.75	

**08 81 23 23-0067 1/2" Air Space, Insulated, Field Installed Glass (08 81 23 23-0052)**

08 81 23 23-0068	SF		3/4" Thick, Insulated Field Installed Glass .....40.96 Note: Two 1/8" lites with 1/2" air space.		
			<i>For &gt;50 To 200, Deduct</i>	-0.54	
			<i>For &gt;200 To 400, Deduct</i>	-1.08	
			<i>For &gt;400, Deduct</i>	-1.62	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	22.95	
			<i>For Tinted Glass, Add</i>	4.50	
			<i>For Reflective Coated Glass, Add</i>	8.10	
			<i>For Low-E Coated Glass, Add</i>	4.50	
			<i>For One Piece Heat Strengthened Glass, Add</i>	3.60	
			<i>For One Piece Fully Tempered Glass, Add</i>	3.60	
			<i>For One Piece Obscure Glass, Add</i>	7.65	
			<i>For Argon Gas, Add</i>	2.48	
08 81 23 23-0069	SF		7/8" Thick, Insulated Field Installed Glass .....43.41 Note: Two 3/16" lites with 1/2" air space.		
			<i>For &gt;50 To 200, Deduct</i>	-0.60	
			<i>For &gt;200 To 400, Deduct</i>	-1.20	
			<i>For &gt;400, Deduct</i>	-1.80	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	23.44	
			<i>For Tinted Glass, Add</i>	4.99	
			<i>For Reflective Coated Glass, Add</i>	8.99	
			<i>For Low-E Coated Glass, Add</i>	4.99	
			<i>For One Piece Heat Strengthened Glass, Add</i>	3.99	
			<i>For One Piece Fully Tempered Glass, Add</i>	3.99	
			<i>For One Piece Obscure Glass, Add</i>	8.49	
			<i>For Argon Gas, Add</i>	2.75	
08 81 23 23-0070	SF		7/8" Thick, Insulated Field Installed Glass .....43.41 Note: One 1/4" lite and one 1/8" lite with 1/2" air space.		
			<i>For &gt;50 To 200, Deduct</i>	-0.60	
			<i>For &gt;200 To 400, Deduct</i>	-1.20	
			<i>For &gt;400, Deduct</i>	-1.80	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	23.44	
			<i>For Tinted Glass, Add</i>	4.99	
			<i>For Reflective Coated Glass, Add</i>	8.99	
			<i>For Low-E Coated Glass, Add</i>	4.99	
			<i>For One Piece Heat Strengthened Glass, Add</i>	3.99	
			<i>For One Piece Fully Tempered Glass, Add</i>	3.99	
			<i>For One Piece Obscure Glass, Add</i>	8.49	
			<i>For Argon Gas, Add</i>	2.75	
08 81 23 23-0071	SF		1" Thick, Insulated Field Installed Glass .....45.50 Note: Two 1/4" lites with 1/2" air space.		
			<i>For &gt;50 To 200, Deduct</i>	-0.66	
			<i>For &gt;200 To 400, Deduct</i>	-1.31	
			<i>For &gt;400, Deduct</i>	-1.97	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	23.66	
			<i>For Tinted Glass, Add</i>	5.46	
			<i>For Reflective Coated Glass, Add</i>	9.83	
			<i>For Low-E Coated Glass, Add</i>	5.46	
			<i>For One Piece Heat Strengthened Glass, Add</i>	4.37	
			<i>For One Piece Fully Tempered Glass, Add</i>	4.37	
			<i>For One Piece Obscure Glass, Add</i>	9.28	
			<i>For Argon Gas, Add</i>	3.00	

**08 81 23 23-0072 Laminated Insulated Glass, Field Installed Glass (08 81 23 23-0051)**

**08 Openings****08 80 Glazing****08 81 Glass Glazing**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 81 23 23-0073	SF	1-5/16" Thick, Laminated Insulating Glass, Field Installed Glass.....	118.34	
		Note: Insulated glass units consisting of 1/4" thick inner pane, 1/2" air gap, and outer laminated pane of .060" PVB film between two layers 1/4" thick glass.		
		For >50 To 200, Deduct	-2.62	
		For >200 To 400, Deduct	-5.24	
		For >400, Deduct	-7.86	
		For Glass Removal And Preparing Opening For New Glazing, Add	30.99	
		For Tinted Glass, Add	21.84	
		For Reflective Coated Glass, Add	39.31	
		For Low-E Coated Glass, Add	21.84	
		For Argon Gas, Add	12.01	
08 81 23 23-0074		Spandrel Field Installed Glass (08 81 23 23)		
08 81 23 23-0075		Monolithic Float Glass Panels Ceramic Back, Coated, Field Installed Glass (08 81 23 23-0074)		
08 81 23 23-0076	SF	1/4" - 5/16" Spandrel Glass, Up To 1,000 SF, Field Installed Glass .....	39.28	
		For Glass Removal And Preparing Opening For New Glazing, Add	18.78	
08 81 23 23-0077	SF	1/4" - 5/16" Spandrel Glass, >1,000 SF, Field Installed Glass.....	34.88	
		For Glass Removal And Preparing Opening For New Glazing, Add	18.78	
08 81 23 23-0078		Insulating Float Glass Panels Ceramic Back, Coated, Tempered, Field Installed Glass (08 81 23 23-0074)		
08 81 23 23-0079		1/4" Glass With 1" Fiberglass Insulation, Field Installed Glass (08 81 23 23-0078)		
		Note: Also with aluminum foil vapor barrier.		
08 81 23 23-0080	SF	1/4" Spandrel Glass With 1" Fiberglass Insulation Up To 20,000 SF, Foil Vapor Barrier, Field Installed Glass.....	43.86	
		For Glass Removal And Preparing Opening For New Glazing, Add	18.78	
08 81 23 23-0081	SF	1/4" Spandrel Glass With 1" Fiberglass Insulation >20,000 SF, Foil Vapor Barrier, Field Installed Glass .....	38.88	
		For Glass Removal And Preparing Opening For New Glazing, Add	18.78	
08 81 23 23-0082		1/4" Glass With 3/4 To 7/8" Insulation, Field Installed Glass (08 81 23 23-0078)		
08 81 23 23-0083	SF	1/4" Spandrel Glass, 3/4" - 7/8" Insulation 24 Gauge Steel Interfacing, Field Installed Glass.....	52.52	
		For Glass Removal And Preparing Opening For New Glazing, Add	18.78	
08 81 23 23-0084	SF	1/4" Spandrel Glass, 3/4" - 7/8" Insulation 16 Gauge Steel Interfacing, Field Installed Glass.....	42.73	
		For Glass Removal And Preparing Opening For New Glazing, Add	18.78	
08 83		Mirrors (08 80)		
		Note: Kind FT, Type I, Class I, Quality Q1.		
08 83 13		Mirrored Glass Glazing (08 83)		
08 83 13 00-0001		Mirror Glass (08 83 13)		
08 83 13 00-0002		One-Way Vision Glass (Transparent Mirrors) (08 83 13 00-0001)		
08 83 13 00-0003	SF	1/4" One-Way Vision Glass (Transparent Mirrors).....	85.09	8.45
		For >50 To 200, Deduct	-2.05	
		For >200 To 400, Deduct	-3.42	
		For >400, Deduct	-5.47	
08 83 13 00-0004		Tempered, One-Way Vision Glass (Transparent Mirrors) (08 83 13 00-0001)		
08 83 13 00-0005	SF	1/4" Tempered, One-Way Vision Glass (Transparent Mirrors).....	119.04	8.45
		For >50 To 200, Deduct	-3.07	
		For >200 To 400, Deduct	-5.12	
		For >400, Deduct	-8.19	
08 83 13 00-0006		Clear Mirror Glass (08 83 13 00-0001)		
08 83 13 00-0007	SF	1/8" Clear Mirror Glass.....	28.72	6.76
		For >50 To 200, Deduct	-0.46	
		For >200 To 400, Deduct	-0.76	
		For >400, Deduct	-1.22	
08 83 13 00-0008	SF	3/16" Clear Mirror Glass.....	33.95	7.89
		For >50 To 200, Deduct	-0.55	
		For >200 To 400, Deduct	-0.92	
		For >400, Deduct	-1.47	
08 83 13 00-0009	SF	1/4" Clear Mirror Glass.....	37.22	8.45
		For >50 To 200, Deduct	-0.62	
		For >200 To 400, Deduct	-1.03	
		For >400, Deduct	-1.64	
08 83 13 00-0010		Tempered, Clear Mirror Glass (08 83 13 00-0001)		
08 83 13 00-0011	SF	1/8" Tempered, Clear Mirror Glass .....	46.94	6.76
		For >50 To 200, Deduct	-1.00	
		For >200 To 400, Deduct	-1.67	
		For >400, Deduct	-2.67	
08 83 13 00-0012	SF	3/16" Tempered, Clear Mirror Glass .....	53.29	7.89
		For >50 To 200, Deduct	-1.13	
		For >200 To 400, Deduct	-1.89	
		For >400, Deduct	-3.02	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 83 13 00-0013	SF		1/4" Tempered, Clear Mirror Glass .....	58.78	8.45
			<i>For &gt;50 To 200, Deduct</i>	-1.26	
			<i>For &gt;200 To 400, Deduct</i>	-2.10	
			<i>For &gt;400, Deduct</i>	-3.37	

**08 83 13 00-0014 Clear Mirror Glass With Laminated Safety Backing** (08 83 13 00-0001)

08 83 13 00-0015	SF		1/4" Clear Mirror Glass With Laminated Safety Backing .....	36.38	8.45
			<i>For &gt;50 To 200, Deduct</i>	-0.59	
			<i>For &gt;200 To 400, Deduct</i>	-0.98	
			<i>For &gt;400, Deduct</i>	-1.57	

**08 83 13 00-0016 Laminated Safety Mirror Glass** (08 83 13 00-0001)

Note: Clear glass laminated to face of mirror with PVB interlayer.

08 83 13 00-0017	SF		1/4" Laminated Safety Mirror Glass .....	67.04	8.45
			<i>For &gt;50 To 200, Deduct</i>	-1.51	
			<i>For &gt;200 To 400, Deduct</i>	-2.52	
			<i>For &gt;400, Deduct</i>	-4.03	

**08 83 13 00-0018 Accessories For Mirror Glass** (08 83 13)

08 83 13 00-0019	LF		1/8" Aluminum J-Channel For Mounting Mirror Glass .....	5.59	
08 83 13 00-0020	LF		3/16" Aluminum J-Channel For Mounting Mirror Glass .....	5.71	
08 83 13 00-0021	LF		1/4" Aluminum J-Channel For Mounting Mirror Glass .....	7.22	
08 83 13 00-0022	LF		Aluminum Frame For Mounting Mirror Glass .....	9.33	

**08 84 Plastic Glazing** (08 80)

**08 84 00 00-0001 Clear Polycarbonate Glazing (GE Lexan)** (08 84)

See CSI section 08 88 53 00-0026 for security rated polycarbonate glazing.

08 84 00 00-0002	SF		1/8" Thick, Clear Polycarbonate Glazing (GE Lexan) .....	20.23	
			<i>For &gt;50 To 200, Deduct</i>	-0.48	
			<i>For &gt;200 To 400, Deduct</i>	-0.96	
			<i>For &gt;400, Deduct</i>	-1.44	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	10.63	
08 84 00 00-0003	SF		3/16" Thick, Clear Polycarbonate Glazing (GE Lexan) .....	21.32	
			<i>For &gt;50 To 200, Deduct</i>	-0.51	
			<i>For &gt;200 To 400, Deduct</i>	-1.03	
			<i>For &gt;400, Deduct</i>	-1.54	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	11.04	
08 84 00 00-0004	SF		1/4" Thick, Clear Polycarbonate Glazing (GE Lexan) .....	25.42	
			<i>For &gt;50 To 200, Deduct</i>	-0.70	
			<i>For &gt;200 To 400, Deduct</i>	-1.39	
			<i>For &gt;400, Deduct</i>	-2.09	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	11.49	
08 84 00 00-0005	SF		3/8" Thick, Clear Polycarbonate Glazing (GE Lexan) .....	36.84	
			<i>For &gt;50 To 200, Deduct</i>	-1.25	
			<i>For &gt;200 To 400, Deduct</i>	-2.50	
			<i>For &gt;400, Deduct</i>	-3.75	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	11.82	
08 84 00 00-0006	SF		1/2" Thick, Clear Polycarbonate Glazing (GE Lexan) .....	46.68	
			<i>For &gt;50 To 200, Deduct</i>	-1.70	
			<i>For &gt;200 To 400, Deduct</i>	-3.40	
			<i>For &gt;400, Deduct</i>	-5.10	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	12.67	

**08 84 00 00-0007 Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)** (08 84)

08 84 00 00-0008	SF		1/8" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10) .....	30.37	
			<i>For &gt;50 To 200, Deduct</i>	-0.99	
			<i>For &gt;200 To 400, Deduct</i>	-1.97	
			<i>For &gt;400, Deduct</i>	-2.96	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	10.63	
08 84 00 00-0009	SF		3/16" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10) .....	35.32	
			<i>For &gt;50 To 200, Deduct</i>	-1.21	
			<i>For &gt;200 To 400, Deduct</i>	-2.43	
			<i>For &gt;400, Deduct</i>	-3.64	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	11.04	
08 84 00 00-0010	SF		1/4" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10) .....	37.33	
			<i>For &gt;50 To 200, Deduct</i>	-1.29	
			<i>For &gt;200 To 400, Deduct</i>	-2.58	
			<i>For &gt;400, Deduct</i>	-3.88	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	11.49	
08 84 00 00-0011	SF		3/8" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10) .....	61.74	
			<i>For &gt;50 To 200, Deduct</i>	-2.50	
			<i>For &gt;200 To 400, Deduct</i>	-4.99	
			<i>For &gt;400, Deduct</i>	-7.49	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	11.82	
08 84 00 00-0012	SF		1/2" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10) .....	65.57	
			<i>For &gt;50 To 200, Deduct</i>	-2.65	
			<i>For &gt;200 To 400, Deduct</i>	-5.29	
			<i>For &gt;400, Deduct</i>	-7.94	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	12.67	

**08 84 00 00-0013 Clear Acrylic Glazing (Plexiglas)** (08 84)

**08 Openings****08 80 Glazing****08 84 Plastic Glazing**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 84 00 00-0014	SF	1/10" Thick, Clear Acrylic Glazing (Plexiglas)	14.21	
		<i>For &gt;50 To 200, Deduct</i>	-0.20	
		<i>For &gt;200 To 400, Deduct</i>	-0.41	
		<i>For &gt;400, Deduct</i>	-0.61	
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	10.15	
		<i>For Colored, Add</i>	0.81	
		<i>For Shatterproof, Add</i>	2.44	
		<i>For Mirrored, Add</i>	3.25	
08 84 00 00-0015	SF	1/8" Thick, Clear Acrylic Glazing (Plexiglas)	14.74	
		<i>For &gt;50 To 200, Deduct</i>	-0.21	
		<i>For &gt;200 To 400, Deduct</i>	-0.41	
		<i>For &gt;400, Deduct</i>	-0.62	
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	10.63	
		<i>For Colored, Add</i>	0.82	
		<i>For Shatterproof, Add</i>	2.47	
		<i>For Mirrored, Add</i>	3.29	
08 84 00 00-0016	SF	3/16" Thick, Clear Acrylic Glazing (Plexiglas)	17.45	
		<i>For &gt;50 To 200, Deduct</i>	-0.32	
		<i>For &gt;200 To 400, Deduct</i>	-0.64	
		<i>For &gt;400, Deduct</i>	-0.96	
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	11.04	
		<i>For Colored, Add</i>	1.28	
		<i>For Shatterproof, Add</i>	3.85	
		<i>For Mirrored, Add</i>	5.13	
08 84 00 00-0017	SF	1/4" Thick, Clear Acrylic Glazing (Plexiglas)	19.94	
		<i>For &gt;50 To 200, Deduct</i>	-0.42	
		<i>For &gt;200 To 400, Deduct</i>	-0.85	
		<i>For &gt;400, Deduct</i>	-1.27	
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	11.49	
		<i>For Colored, Add</i>	1.69	
		<i>For Shatterproof, Add</i>	5.07	
		<i>For Mirrored, Add</i>	6.76	
08 84 00 00-0018	SF	5/16" Thick, Clear Acrylic Glazing (Plexiglas)	20.40	
		<i>For &gt;50 To 200, Deduct</i>	-0.44	
		<i>For &gt;200 To 400, Deduct</i>	-0.89	
		<i>For &gt;400, Deduct</i>	-1.33	
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	11.55	
		<i>For Colored, Add</i>	1.77	
		<i>For Shatterproof, Add</i>	5.31	
		<i>For Mirrored, Add</i>	7.08	
08 84 00 00-0019	SF	3/8" Thick, Clear Acrylic Glazing (Plexiglas)	21.07	
		<i>For &gt;50 To 200, Deduct</i>	-0.46	
		<i>For &gt;200 To 400, Deduct</i>	-0.93	
		<i>For &gt;400, Deduct</i>	-1.39	
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	11.82	
		<i>For Colored, Add</i>	1.85	
		<i>For Shatterproof, Add</i>	5.55	
		<i>For Mirrored, Add</i>	7.40	
08 84 00 00-0020	SF	1/2" Thick, Clear Acrylic Glazing (Plexiglas)	24.90	
		<i>For &gt;50 To 200, Deduct</i>	-0.61	
		<i>For &gt;200 To 400, Deduct</i>	-1.22	
		<i>For &gt;400, Deduct</i>	-1.83	
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	12.67	
		<i>For Colored, Add</i>	2.45	
		<i>For Shatterproof, Add</i>	7.34	
		<i>For Mirrored, Add</i>	9.78	
08 84 00 00-0021	SF	3/4" Thick, Clear Acrylic Glazing (Plexiglas)	35.10	
		<i>For &gt;50 To 200, Deduct</i>	-0.95	
		<i>For &gt;200 To 400, Deduct</i>	-1.91	
		<i>For &gt;400, Deduct</i>	-2.86	
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	16.04	
08 84 00 00-0022	SF	1" Thick, Clear Acrylic Glazing (Plexiglas)	46.73	
		<i>For &gt;50 To 200, Deduct</i>	-1.47	
		<i>For &gt;200 To 400, Deduct</i>	-2.93	
		<i>For &gt;400, Deduct</i>	-4.40	
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	17.42	

**08 85 Glazing Accessories** (08 80)

Note: Applicable to reglazing tasks only, new window installation includes the gasket.

**08 85 00 00-0001 Framing For Glass Windscreens** (08 85)

Note: Excludes glazing.

08 85 00 00-0002	LF	1-1/4" x 1-1/2" Aluminum Framed Window Walls	28.91	2.04
		<i>For Bronze Anodized Aluminum, Add</i>	3.50	
		<i>For Stainless Steel, Add</i>	14.27	
		<i>For Black Anodized Finish, Add</i>	6.30	
08 85 00 00-0003	LF	1-1/2" x 2" Aluminum Framed Window Walls	35.74	2.54
		<i>For Bronze Anodized Aluminum, Add</i>	4.45	
		<i>For Stainless Steel, Add</i>	18.09	
		<i>For Black Anodized Finish, Add</i>	8.00	
08 85 00 00-0004	LF	1-1/2" x 3" Aluminum Framed Window Walls	42.54	2.04
		<i>For Bronze Anodized Aluminum, Add</i>	5.31	
		<i>For Stainless Steel, Add</i>	21.61	
		<i>For Black Anodized Finish, Add</i>	9.56	
08 85 00 00-0005	LF	1-1/2" x 4" Aluminum Framed Window Walls	51.49	3.05
		<i>For Bronze Anodized Aluminum, Add</i>	6.35	
		<i>For Stainless Steel, Add</i>	25.86	
		<i>For Black Anodized Finish, Add</i>	11.43	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 85 00 00-0006	LF		2" x 3" Aluminum Framed Window Walls..... <i>For Bronze Anodized Aluminum, Add</i> <i>For Stainless Steel, Add</i> <i>For Black Anodized Finish, Add</i>	52.64 6.75 27.39 12.15	2.54
08 85 00 00-0007	LF		2" x 4" Aluminum Framed Window Walls..... <i>For Bronze Anodized Aluminum, Add</i> <i>For Stainless Steel, Add</i> <i>For Black Anodized Finish, Add</i>	63.93 8.06 32.76 14.52	3.05

**08 87 Glazing Surface Films (08 80)**

**08 87 13 Solar Control Films (08 87)**

Note: Applied directly to one side of glazing with adhesive.

**08 87 13 00-0001 Solar Control Window Films (08 87 13)**

Note: Applied directly to one side of glazing with adhesive. Includes cleaning of window glazing prior to installation.

08 87 13 00-0002	SF		20% VLT, Bronze Window Tinting Film .....	10.45	
08 87 13 00-0003	SF		50% VLT, Bronze Window Tinting Film .....	10.45	
08 87 13 00-0004	SF		Tinted, Abrasion Resistant, Solar Control Window Film (3M Scotchtint™).....	15.95	
08 87 13 00-0005	SF		Low E, Abrasion Resistant, Solar Control Window Film (3M Scotchtint™).....	16.46	

**08 87 23 Safety and Security Films (08 87)**

**08 87 23 16 Security Films (08 87 23)**

Note: Applied directly to one side of glazing with adhesive and secured at window frame with clear silicone adhesive.

**08 87 23 16-0001 High Performance, Security And Safety Glazing Films (08 87 23 16)**

Note: Includes cleaning of window glazing prior to installation.

**08 87 23 16-0002 Clear, High Performance, Security And Safety Glazing Films (08 87 23 16-0001)**

08 87 23 16-0003	SF		0.002" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ SCLARL150)..... <i>For &gt;1,000 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	16.19 -0.75 -1.03	
08 87 23 16-0004	SF		0.004" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ SCLARL400)..... <i>For &gt;1,000 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	17.15 -0.78 -1.13	
08 87 23 16-0005	SF		0.006" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ Ultra600)..... <i>For &gt;1,000 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	18.49 -0.83 -1.26	

**08 87 23 16-0006 Tinted, High Performance Sun/Solar, Security And Safety Glazing Films (08 87 23 16-0001)**

08 87 23 16-0007	SF		0.004" Silver, 20% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S20SIAR400)..... <i>For &gt;1,000 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	18.22 -0.82 -1.23	
08 87 23 16-0008	SF		0.004" Neutral, 35% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S35NEAR400)..... <i>For &gt;1,000 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	18.22 -0.82 -1.23	
08 87 23 16-0009	SF		0.004" Neutral, 50% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S50NEAR400)..... <i>For &gt;1,000 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	18.22 -0.82 -1.23	

**08 87 23 16-0010 Security And Safety Glazing Films (08 87 23 16)**

Note: Includes cleaning of window glazing prior to installation.

08 87 23 16-0011	SF		0.007" Clear Security And Safety Glazing Film (3M Scotchshield™ SH7CLARL)..... <i>For &gt;1,000 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	15.13 -0.71 -0.92	
08 87 23 16-0012	SF		0.008" Clear Security And Safety Glazing Film (3M Scotchshield™ SH8CLARL)..... <i>For &gt;1,000 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	15.38 -0.72 -0.95	
08 87 23 16-0013	SF		0.014" Clear Security And Safety Glazing Film (3M Scotchshield™ SH14CLARL)..... <i>For &gt;1,000 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	17.80 -0.80 -1.19	

**08 87 23 16-0014 Anti-Graffiti Glazing Films (08 87 23 16)**

Note: Includes cleaning of window glazing prior to installation.

08 87 23 16-0015	SF		0.004" Clear Anti-Graffiti Glazing Film (3M Scotchgard™ AG-4)..... <i>For &gt;1,000 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	15.13 -0.71 -0.92	
08 87 23 16-0016	SF		0.007" Clear Anti-Graffiti Glazing Film (3M Scotchgard™ AG-7)..... <i>For &gt;1,000 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	15.38 -0.72 -0.95	

**08 88 Special Function Glazing (08 80)**

**08 88 49 Radiation-Resistant Glazing (08 88)**

**08 88 49 00-0001 Leaded Glass (X-Ray Shielding) (08 88 49)**

08 88 49 00-0002	SF		1/4" Thick Lead Glass With 1/16" Lead Equivalence..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	300.70 21.41	
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<b>08</b>	<b>Openings</b>
<b>08 80</b>	<b>Glazing</b>
<b>08 88</b>	<b>Special Function Glazing</b>

MINOR	CSI	UOM	DESCRIPTION
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TOTAL DIRECT	DEMOLITION
UNIT COST	UNIT COST

08 88 49 00-0003	SF	1/4" Thick Lead Glass With 1/8" Lead Equivalence	445.56
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	21.41
<b>08 88 53 Security Glazing (08 88)</b>			
08 88 53 00-0001		<b>Forced Entry And/Or Ballistic Resistant All Glass Laminate (08 88 53)</b>	
08 88 53 00-0002		<b>Ballistic Resistant Glass (08 88 53 00-0001)</b>	
08 88 53 00-0003	SF	1.28" All Glass Laminate Ballistic Resistant Glass, 16.2 LB/SF, For A Single Piece, Up To 15 SF	137.33
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	69.85
08 88 53 00-0004	SF	1.28" All Glass Laminate Ballistic Resistant Glass, 16.2 LB/SF, For A Single Piece, >15 SF	160.19
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	69.85
08 88 53 00-0005	SF	1.55" All Glass Laminate Ballistic Resistant Glass, 21.2 LB/SF, For A Single Piece, Up To 15 SF	181.66
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	78.88
08 88 53 00-0006	SF	1.55" All Glass Laminate Ballistic Resistant Glass, 21.2 LB/SF, For A Single Piece, >15 SF	200.76
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	78.88
08 88 53 00-0007	SF	2.05" All Glass Laminate Ballistic Resistant Glass, 26.1 LB/SF, For A Single Piece, Up To 15 SF	228.21
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	90.14
08 88 53 00-0008	SF	2.05" All Glass Laminate Ballistic Resistant Glass, 26.1 LB/SF, For A Single Piece, >15 SF	243.56
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	90.14
08 88 53 00-0009		<b>Forced Entry Resistant Glass (08 88 53 00-0001)</b>	
08 88 53 00-0010	SF	5/16" Forced Entry Resistant Laminated Glass Sheet	40.96
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	17.60
08 88 53 00-0011	SF	1/2" Forced Entry Resistant Laminated Glass Sheet	46.08
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	18.78
08 88 53 00-0012	SF	11/16" Forced Entry Resistant Laminated Glass Sheet	52.12
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	20.12
08 88 53 00-0013	SF	7/8" Forced Entry Resistant Laminated Glass Sheet	58.46
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	21.66
08 88 53 00-0014		<b>Glass Clad Polycarbonate (08 88 53)</b>	
08 88 53 00-0015	SF	0.75" Ballistic Resistant Glass/Poly, 7.84 LB/SF	199.44
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	85.63
08 88 53 00-0016	SF	0.8125" Ballistic Resistant Glass/Poly, 8.99 LB/SF	223.31
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	99.16
08 88 53 00-0017	SF	0.9375" Ballistic Resistant Glass/Poly, 11.11 LB/SF	284.12
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	112.67
08 88 53 00-0018		<b>Ballistic Resistant Acrylic (08 88 53)</b>	
08 88 53 00-0019	SF	1.25" Ballistic Resistant Acrylic Glass, 7.7 LB/SF	336.89
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	85.63
08 88 53 00-0020	SF	1.378" Ballistic Resistant Acrylic Glass, 8.5 LB/SF	394.76
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	99.16
08 88 53 00-0021	SF	1.25" Ballistic Resistant Acrylic Glass, 7.5 LB/SF	526.51
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	112.67
08 88 53 00-0022		<b>Ballistic Resistant Fiberglass (08 88 53)</b>	
08 88 53 00-0023	SF	5/16" Ballistic Resistant Fiberglass, Level 1, 3.2 LB/SF	84.80
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	42.82
08 88 53 00-0024	SF	3/8" Ballistic Resistant Fiberglass, Level 2, 3.5 LB/SF	100.21
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	49.57
08 88 53 00-0025	SF	7/16" Ballistic Resistant Fiberglass, Level 3, 4.5 LB/SF	113.69
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	56.34
08 88 53 00-0026		<b>Forced Entry And/Or Ballistic Resistant Polycarbonate (08 88 53)</b>	
08 88 53 00-0027		<b>Forced Entry Resistant Monolithic Polycarbonate (08 88 53 00-0026)</b>	
		Note: GE-Lexan MR10.	
08 88 53 00-0028	SF	1/2" Overall Nominal Thickness, H.P. White TP-0500.01	111.77
		Note: Level 1 or ASTM F1233, Class II (Step 5).	
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	68.29
08 88 53 00-0029		<b>Forced Entry Resistant Glass Clad Polycarbonate Laminate (08 88 53 00-0026)</b>	
		Note: Chemically strengthened clear glass laminated to each side of a polycarbonate core. GE-Insulgard.	
08 88 53 00-0030	SF	9/16" Overall Nominal Thickness, H.P. White TP-0500.01	138.20
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	84.51
08 88 53 00-0031		<b>Forced Entry Resistant Polycarbonate Laminate (08 88 53 00-0026)</b>	
		Note: GE-Lexgard MPC-500.	
08 88 53 00-0032	SF	1/2" Overall Nominal Thickness, H.P. White TP-0500.01	167.63
		Note: Level II (Step 12) Or ASTM 1233 Class III (Step 15).	
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	90.14
08 88 53 00-0033		<b>Fire Resistant, Forced Entry Resistant Polycarbonate Laminate (08 88 53 00-0026)</b>	
		Note: Wire glass clad. Chemically strengthened wire glass laminated to each side of a polycarbonate core. GE-Firegard.	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 88 53 00-0034	SF	7/8"	Overall Nominal Thickness, H.P. White TP-0500.01	.....	183.23	
			Note: UL-9 Fire Resistant.			
			For Glass Removal And Preparing Opening For New Glazing, Add		95.78	

08 88 53 00-0035				Insulated, Forced Entry Resistant Polycarbonate Laminate <small>(08 88 53 00-0026)</small>		
				Note: Glass clad. Chemically strengthened wire glass laminated to each side of a polycarbonate core. GE-Insulgard.		
08 88 53 00-0036	SF	1-5/16"	Overall Nominal Thickness, H.P. White TP-0500.01	.....	157.39	
			Note: Level I (1/4" tempered float glass, 1/2" airspace).			
			For Glass Removal And Preparing Opening For New Glazing, Add		84.51	

08 88 53 00-0037				Ballistic And Forced Entry Resistant Polycarbonate Laminate <small>(08 88 53 00-0026)</small>		
08 88 53 00-0038	SF	1"	Nominal Thickness, Ballistic Or Forced Entry Resistant	.....	361.82	
			Note: 1" is the overall nominal thickness. (GE-Lexgard MP-1000) forced entry resistance: H.P. White TP-0500.01, level V (step 42) or ASTM 1233 class V (Step 40) ballistic resistance: UL 752, level 2-high powered small arms (.357 Magnum handgun).			
			For Glass Removal And Preparing Opening For New Glazing, Add		187.04	
08 88 53 00-0039	SF	1-1/4"	Nominal Thickness, Ballistic Or Forced Entry Resistant	.....	365.95	
			Note: 1 1/4" is the overall nominal thickness. (GE-Lexgard MP-1000) forced entry resistance: H.P. White TP-0500.01, level V (Step 42) or ASTM 1233 class V (step 40) ballistic resistance: UL 752, level 3-super high powered small arms (.44 Magnum handgun).			
			For Glass Removal And Preparing Opening For New Glazing, Add		187.04	

08 88 53 00-0040				Ballistic Resistant Glass Clad Polycarbonate Laminate <small>(08 88 53 00-0026)</small>		
				Note: Chemically strengthened clear glass laminated to attack side of a polycarbonate core.		
08 88 53 00-0041	SF	1-5/16"	Overall Nominal Thickness, Ballistic Resistant	.....	241.09	
			Note: UL 752, Level 4 - Super High Powered Rifle (.30-06 Rifle), (GE-Armor-Gard).			
			For Glass Removal And Preparing Opening For New Glazing, Add		126.19	

## 08 90 Louvers and Vents (08)

### 08 91 Louvers (08 90)

#### 08 91 13 Motorized Wall Louvers (08 91)

08 91 13 00-0001				Motorized Wall Louver Actuator <small>(08 91 13)</small>		
				See CSI section 08 91 16 00-0001 for adjustable intake wall louvers.		
08 91 13 00-0002	EA	115 Volt	Actuator For Adjustable Intake Louver	.....	1,658.61	97.04
08 91 13 00-0003	EA	230 Volt	Actuator For Adjustable Intake Louver	.....	2,540.63	97.04
08 91 13 00-0004	EA	24 Volt	Actuator For Adjustable Intake Louver	.....	1,784.33	97.04
08 91 13 00-0005	EA	115 Volt	Hazardous Location Actuator For Adjustable Intake Louver	.....	6,961.51	97.04

#### 08 91 16 Operable Wall Louvers (08 91)

08 91 16 00-0001				Adjustable Intake Wall Louvers <small>(08 91 16)</small>		
				See CSI section 08 91 16 00-0137 for adjustable intake wall louver operators.		
08 91 16 00-0002	EA	12" Wide x 12" High	Adjustable Intake Louver, Galvanized Aluminum	.....	455.06	25.69
			Note: Includes bird screen. Excludes actuator.			
			For Flange Frame, Add		40.37	
			For Clear Lacquer Finish, Add		80.74	
			For Baked Enamel Standard Colors, Add		121.10	
			For Anodized Finish, Add		161.47	
			For Kynar® Standard Colors Finish, Add		222.02	
08 91 16 00-0003	EA	12" Wide x 18" High	Adjustable Intake Louver, Galvanized Aluminum	.....	568.63	31.40
			Note: Includes bird screen. Excludes actuator.			
			For Flange Frame, Add		50.58	
			For Clear Lacquer Finish, Add		101.17	
			For Baked Enamel Standard Colors, Add		151.75	
			For Anodized Finish, Add		202.33	
			For Kynar® Standard Colors Finish, Add		278.21	
08 91 16 00-0004	EA	12" Wide x 24" High	Adjustable Intake Louver, Galvanized Aluminum	.....	672.37	37.11
			Note: Includes bird screen. Excludes actuator.			
			For Flange Frame, Add		59.82	
			For Clear Lacquer Finish, Add		119.63	
			For Baked Enamel Standard Colors, Add		179.45	
			For Anodized Finish, Add		239.26	
			For Kynar® Standard Colors Finish, Add		328.99	
08 91 16 00-0005	EA	12" Wide x 30" High	Adjustable Intake Louver, Galvanized Aluminum	.....	786.92	42.82
			Note: Includes bird screen. Excludes actuator.			
			For Flange Frame, Add		70.13	
			For Clear Lacquer Finish, Add		140.26	
			For Baked Enamel Standard Colors, Add		210.39	
			For Anodized Finish, Add		280.52	
			For Kynar® Standard Colors Finish, Add		385.71	
08 91 16 00-0006	EA	12" Wide x 36" High	Adjustable Intake Louver, Galvanized Aluminum	.....	886.73	48.53
			Note: Includes bird screen. Excludes actuator.			
			For Flange Frame, Add		78.97	
			For Clear Lacquer Finish, Add		157.94	
			For Baked Enamel Standard Colors, Add		236.91	
			For Anodized Finish, Add		315.88	
			For Kynar® Standard Colors Finish, Add		434.33	

**08 Openings****08 90 Louvers and Vents****08 91 Louvers**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

08 91 16 00-0007	EA	12" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum	1,046.46	54.24
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	93.80	
		For Clear Lacquer Finish, Add	187.60	
		For Baked Enamel Standard Colors, Add	281.40	
		For Anodized Finish, Add	375.20	
		For Kynar® Standard Colors Finish, Add	515.90	
08 91 16 00-0008	EA	12" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum	1,192.44	59.94
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	107.26	
		For Clear Lacquer Finish, Add	214.51	
		For Baked Enamel Standard Colors, Add	321.77	
		For Anodized Finish, Add	429.02	
		For Kynar® Standard Colors Finish, Add	589.91	
08 91 16 00-0009	EA	12" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum	1,324.49	68.51
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	118.75	
		For Clear Lacquer Finish, Add	237.50	
		For Baked Enamel Standard Colors, Add	356.24	
		For Anodized Finish, Add	474.99	
		For Kynar® Standard Colors Finish, Add	653.11	
08 91 16 00-0010	EA	12" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum	1,413.50	74.21
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	126.51	
		For Clear Lacquer Finish, Add	253.01	
		For Baked Enamel Standard Colors, Add	379.52	
		For Anodized Finish, Add	506.03	
		For Kynar® Standard Colors Finish, Add	695.79	
08 91 16 00-0011	EA	12" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum	1,525.10	79.92
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	136.53	
		For Clear Lacquer Finish, Add	273.05	
		For Baked Enamel Standard Colors, Add	409.58	
		For Anodized Finish, Add	546.10	
		For Kynar® Standard Colors Finish, Add	750.89	
08 91 16 00-0012	EA	12" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum	1,622.95	85.63
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	145.17	
		For Clear Lacquer Finish, Add	290.34	
		For Baked Enamel Standard Colors, Add	435.51	
		For Anodized Finish, Add	580.68	
		For Kynar® Standard Colors Finish, Add	798.43	
08 91 16 00-0013	EA	12" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum	1,748.31	91.33
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	156.56	
		For Clear Lacquer Finish, Add	313.13	
		For Baked Enamel Standard Colors, Add	469.69	
		For Anodized Finish, Add	626.25	
		For Kynar® Standard Colors Finish, Add	861.10	
08 91 16 00-0014	EA	12" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum	1,868.75	97.04
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	167.47	
		For Clear Lacquer Finish, Add	334.93	
		For Baked Enamel Standard Colors, Add	502.40	
		For Anodized Finish, Add	669.86	
		For Kynar® Standard Colors Finish, Add	921.06	
08 91 16 00-0015	EA	12" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum	2,018.47	105.61
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	180.73	
		For Clear Lacquer Finish, Add	361.45	
		For Baked Enamel Standard Colors, Add	542.18	
		For Anodized Finish, Add	722.90	
		For Kynar® Standard Colors Finish, Add	993.99	
08 91 16 00-0016	EA	12" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum	2,128.90	114.17
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	190.06	
		For Clear Lacquer Finish, Add	380.11	
		For Baked Enamel Standard Colors, Add	570.17	
		For Anodized Finish, Add	760.22	
		For Kynar® Standard Colors Finish, Add	1,045.31	
08 91 16 00-0017	EA	18" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum	510.68	31.40
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	44.79	
		For Clear Lacquer Finish, Add	89.58	
		For Baked Enamel Standard Colors, Add	134.36	
		For Anodized Finish, Add	179.15	
		For Kynar® Standard Colors Finish, Add	246.33	
08 91 16 00-0018	EA	18" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum	644.68	39.96
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	56.48	
		For Clear Lacquer Finish, Add	112.95	
		For Baked Enamel Standard Colors, Add	169.43	
		For Anodized Finish, Add	225.90	
		For Kynar® Standard Colors Finish, Add	310.62	
08 91 16 00-0019	EA	18" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum	756.28	45.67
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	66.50	
		For Clear Lacquer Finish, Add	132.99	
		For Baked Enamel Standard Colors, Add	199.49	
		For Anodized Finish, Add	265.98	
		For Kynar® Standard Colors Finish, Add	365.72	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0020	EA		18" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	941.18	57.09
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	82.70	
			For Clear Lacquer Finish, Add	165.40	
			For Baked Enamel Standard Colors, Add	248.10	
			For Anodized Finish, Add	330.80	
			For Kynar® Standard Colors Finish, Add	454.86	
08 91 16 00-0021	EA		18" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	1,070.47	62.80
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	94.49	
			For Clear Lacquer Finish, Add	188.98	
			For Baked Enamel Standard Colors, Add	283.46	
			For Anodized Finish, Add	377.95	
			For Kynar® Standard Colors Finish, Add	519.68	
08 91 16 00-0022	EA		18" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	1,199.75	68.51
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	106.27	
			For Clear Lacquer Finish, Add	212.55	
			For Baked Enamel Standard Colors, Add	318.82	
			For Anodized Finish, Add	425.10	
			For Kynar® Standard Colors Finish, Add	584.51	
08 91 16 00-0023	EA		18" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	1,354.57	74.21
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	120.61	
			For Clear Lacquer Finish, Add	241.23	
			For Baked Enamel Standard Colors, Add	361.84	
			For Anodized Finish, Add	482.46	
			For Kynar® Standard Colors Finish, Add	663.38	
08 91 16 00-0024	EA		18" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	1,502.32	82.77
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	133.68	
			For Clear Lacquer Finish, Add	267.35	
			For Baked Enamel Standard Colors, Add	401.03	
			For Anodized Finish, Add	534.71	
			For Kynar® Standard Colors Finish, Add	735.22	
08 91 16 00-0025	EA		18" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	1,620.62	91.33
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	143.79	
			For Clear Lacquer Finish, Add	287.59	
			For Baked Enamel Standard Colors, Add	431.38	
			For Anodized Finish, Add	575.18	
			For Kynar® Standard Colors Finish, Add	790.87	
08 91 16 00-0026	EA		18" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	1,734.19	97.04
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	154.01	
			For Clear Lacquer Finish, Add	308.02	
			For Baked Enamel Standard Colors, Add	462.03	
			For Anodized Finish, Add	616.04	
			For Kynar® Standard Colors Finish, Add	847.05	
08 91 16 00-0027	EA		18" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	1,840.88	102.75
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	163.54	
			For Clear Lacquer Finish, Add	327.07	
			For Baked Enamel Standard Colors, Add	490.61	
			For Anodized Finish, Add	654.14	
			For Kynar® Standard Colors Finish, Add	899.45	
08 91 16 00-0028	EA		18" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	1,979.00	108.46
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	176.21	
			For Clear Lacquer Finish, Add	352.41	
			For Baked Enamel Standard Colors, Add	528.62	
			For Anodized Finish, Add	704.83	
			For Kynar® Standard Colors Finish, Add	969.14	
08 91 16 00-0029	EA		18" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	2,112.20	114.17
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	188.39	
			For Clear Lacquer Finish, Add	376.77	
			For Baked Enamel Standard Colors, Add	565.16	
			For Anodized Finish, Add	753.54	
			For Kynar® Standard Colors Finish, Add	1,036.12	
08 91 16 00-0030	EA		18" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	2,274.70	122.73
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	202.92	
			For Clear Lacquer Finish, Add	405.85	
			For Baked Enamel Standard Colors, Add	608.77	
			For Anodized Finish, Add	811.69	
			For Kynar® Standard Colors Finish, Add	1,116.08	
08 91 16 00-0031	EA		18" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	2,397.90	131.30
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	213.53	
			For Clear Lacquer Finish, Add	427.06	
			For Baked Enamel Standard Colors, Add	640.59	
			For Anodized Finish, Add	854.12	
			For Kynar® Standard Colors Finish, Add	1,174.42	
08 91 16 00-0032	EA		24" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	571.20	37.11
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	49.70	
			For Clear Lacquer Finish, Add	99.40	
			For Baked Enamel Standard Colors, Add	149.10	
			For Anodized Finish, Add	198.80	
			For Kynar® Standard Colors Finish, Add	273.34	

**08 Openings****08 90 Louvers and Vents****08 91 Louvers**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT  
UNIT COSTDEMOLITION  
UNIT COST

08 91 16 00-0033	EA	24" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum	724.85	45.67
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	63.35	
		For Clear Lacquer Finish, Add	126.70	
		For Baked Enamel Standard Colors, Add	190.06	
		For Anodized Finish, Add	253.41	
		For Kynar® Standard Colors Finish, Add	348.44	
08 91 16 00-0034	EA	24" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum	898.15	54.24
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	78.97	
		For Clear Lacquer Finish, Add	157.94	
		For Baked Enamel Standard Colors, Add	236.91	
		For Anodized Finish, Add	315.88	
		For Kynar® Standard Colors Finish, Add	434.33	
08 91 16 00-0035	EA	24" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum	1,059.48	65.65
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	92.82	
		For Clear Lacquer Finish, Add	185.64	
		For Baked Enamel Standard Colors, Add	278.45	
		For Anodized Finish, Add	371.27	
		For Kynar® Standard Colors Finish, Add	510.50	
08 91 16 00-0036	EA	24" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum	1,201.53	71.36
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	105.88	
		For Clear Lacquer Finish, Add	211.76	
		For Baked Enamel Standard Colors, Add	317.64	
		For Anodized Finish, Add	423.52	
		For Kynar® Standard Colors Finish, Add	582.35	
08 91 16 00-0037	EA	24" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum	1,351.43	77.06
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	119.73	
		For Clear Lacquer Finish, Add	239.46	
		For Baked Enamel Standard Colors, Add	359.19	
		For Anodized Finish, Add	478.92	
		For Kynar® Standard Colors Finish, Add	658.52	
08 91 16 00-0038	EA	24" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum	1,536.52	85.63
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	136.53	
		For Clear Lacquer Finish, Add	273.05	
		For Baked Enamel Standard Colors, Add	409.58	
		For Anodized Finish, Add	546.10	
		For Kynar® Standard Colors Finish, Add	750.89	
08 91 16 00-0039	EA	24" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum	1,692.94	97.04
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	149.88	
		For Clear Lacquer Finish, Add	299.77	
		For Baked Enamel Standard Colors, Add	449.65	
		For Anodized Finish, Add	599.54	
		For Kynar® Standard Colors Finish, Add	824.36	
08 91 16 00-0040	EA	24" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum	1,814.36	102.75
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	160.88	
		For Clear Lacquer Finish, Add	321.77	
		For Baked Enamel Standard Colors, Add	482.65	
		For Anodized Finish, Add	643.54	
		For Kynar® Standard Colors Finish, Add	884.86	
08 91 16 00-0041	EA	24" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum	1,947.19	114.17
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	171.89	
		For Clear Lacquer Finish, Add	343.77	
		For Baked Enamel Standard Colors, Add	515.66	
		For Anodized Finish, Add	687.54	
		For Kynar® Standard Colors Finish, Add	945.37	
08 91 16 00-0042	EA	24" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum	2,070.58	119.88
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	183.08	
		For Clear Lacquer Finish, Add	366.16	
		For Baked Enamel Standard Colors, Add	549.25	
		For Anodized Finish, Add	732.33	
		For Kynar® Standard Colors Finish, Add	1,006.95	
08 91 16 00-0043	EA	24" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum	2,238.17	125.59
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	198.70	
		For Clear Lacquer Finish, Add	397.40	
		For Baked Enamel Standard Colors, Add	596.10	
		For Anodized Finish, Add	794.80	
		For Kynar® Standard Colors Finish, Add	1,092.84	
08 91 16 00-0044	EA	24" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum	2,380.22	131.30
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	211.76	
		For Clear Lacquer Finish, Add	423.52	
		For Baked Enamel Standard Colors, Add	635.29	
		For Anodized Finish, Add	847.05	
		For Kynar® Standard Colors Finish, Add	1,164.69	
08 91 16 00-0045	EA	24" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum	2,559.41	139.86
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	227.97	
		For Clear Lacquer Finish, Add	455.94	
		For Baked Enamel Standard Colors, Add	683.91	
		For Anodized Finish, Add	911.88	
		For Kynar® Standard Colors Finish, Add	1,253.83	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0046	EA		24" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	2,691.45	148.43
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	239.46	
			For Clear Lacquer Finish, Add	478.92	
			For Baked Enamel Standard Colors, Add	718.38	
			For Anodized Finish, Add	957.84	
			For Kynar® Standard Colors Finish, Add	1,317.03	
08 91 16 00-0047	EA		30" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	636.64	42.82
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	55.10	
			For Clear Lacquer Finish, Add	110.20	
			For Baked Enamel Standard Colors, Add	165.30	
			For Anodized Finish, Add	220.40	
			For Kynar® Standard Colors Finish, Add	303.06	
08 91 16 00-0048	EA		30" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	847.87	57.09
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	73.37	
			For Clear Lacquer Finish, Add	146.74	
			For Baked Enamel Standard Colors, Add	220.11	
			For Anodized Finish, Add	293.48	
			For Kynar® Standard Colors Finish, Add	403.54	
08 91 16 00-0049	EA		30" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	1,006.44	65.65
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	87.51	
			For Clear Lacquer Finish, Add	175.03	
			For Baked Enamel Standard Colors, Add	262.54	
			For Anodized Finish, Add	350.06	
			For Kynar® Standard Colors Finish, Add	481.33	
08 91 16 00-0050	EA		30" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	1,179.74	74.21
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	103.13	
			For Clear Lacquer Finish, Add	206.26	
			For Baked Enamel Standard Colors, Add	309.39	
			For Anodized Finish, Add	412.52	
			For Kynar® Standard Colors Finish, Add	567.22	
08 91 16 00-0051	EA		30" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	1,334.55	79.92
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	117.47	
			For Clear Lacquer Finish, Add	234.94	
			For Baked Enamel Standard Colors, Add	352.41	
			For Anodized Finish, Add	469.88	
			For Kynar® Standard Colors Finish, Add	646.09	
08 91 16 00-0052	EA		30" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	1,495.08	88.48
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	131.81	
			For Clear Lacquer Finish, Add	263.62	
			For Baked Enamel Standard Colors, Add	395.43	
			For Anodized Finish, Add	527.24	
			For Kynar® Standard Colors Finish, Add	724.96	
08 91 16 00-0053	EA		30" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	1,687.23	94.19
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	149.88	
			For Clear Lacquer Finish, Add	299.77	
			For Baked Enamel Standard Colors, Add	449.65	
			For Anodized Finish, Add	599.54	
			For Kynar® Standard Colors Finish, Add	824.36	
08 91 16 00-0054	EA		30" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	1,851.69	102.75
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	164.62	
			For Clear Lacquer Finish, Add	329.23	
			For Baked Enamel Standard Colors, Add	493.85	
			For Anodized Finish, Add	658.47	
			For Kynar® Standard Colors Finish, Add	905.39	
08 91 16 00-0055	EA		30" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	1,986.85	108.46
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	176.99	
			For Clear Lacquer Finish, Add	353.98	
			For Baked Enamel Standard Colors, Add	530.98	
			For Anodized Finish, Add	707.97	
			For Kynar® Standard Colors Finish, Add	973.46	
08 91 16 00-0056	EA		30" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	2,135.41	119.88
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	189.57	
			For Clear Lacquer Finish, Add	379.13	
			For Baked Enamel Standard Colors, Add	568.70	
			For Anodized Finish, Add	758.26	
			For Kynar® Standard Colors Finish, Add	1,042.61	
08 91 16 00-0057	EA		30" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	2,277.28	128.44
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	202.04	
			For Clear Lacquer Finish, Add	404.08	
			For Baked Enamel Standard Colors, Add	606.12	
			For Anodized Finish, Add	808.16	
			For Kynar® Standard Colors Finish, Add	1,111.21	
08 91 16 00-0058	EA		30" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	2,455.66	134.15
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	218.74	
			For Clear Lacquer Finish, Add	437.47	
			For Baked Enamel Standard Colors, Add	656.21	
			For Anodized Finish, Add	874.94	
			For Kynar® Standard Colors Finish, Add	1,203.05	

**08 Openings****08 90 Louvers and Vents****08 91 Louvers**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 91 16 00-0059	EA	30" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum	2,610.48	139.86
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	233.08	
		For Clear Lacquer Finish, Add	466.15	
		For Baked Enamel Standard Colors, Add	699.23	
		For Anodized Finish, Add	932.30	
		For Kynar® Standard Colors Finish, Add	1,281.92	
08 91 16 00-0060	EA	30" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum	2,798.51	148.43
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	250.17	
		For Clear Lacquer Finish, Add	500.33	
		For Baked Enamel Standard Colors, Add	750.50	
		For Anodized Finish, Add	1,000.66	
		For Kynar® Standard Colors Finish, Add	1,375.91	
08 91 16 00-0061	EA	30" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum	2,948.24	156.99
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	263.43	
		For Clear Lacquer Finish, Add	526.85	
		For Baked Enamel Standard Colors, Add	790.28	
		For Anodized Finish, Add	1,053.70	
		For Kynar® Standard Colors Finish, Add	1,448.84	
08 91 16 00-0062	EA	36" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum	697.16	48.53
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	60.01	
		For Clear Lacquer Finish, Add	120.02	
		For Baked Enamel Standard Colors, Add	180.04	
		For Anodized Finish, Add	240.05	
		For Kynar® Standard Colors Finish, Add	330.07	
08 91 16 00-0063	EA	36" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum	943.76	62.80
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	81.82	
		For Clear Lacquer Finish, Add	163.63	
		For Baked Enamel Standard Colors, Add	245.45	
		For Anodized Finish, Add	327.27	
		For Kynar® Standard Colors Finish, Add	449.99	
08 91 16 00-0064	EA	36" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum	1,103.31	71.36
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	96.06	
		For Clear Lacquer Finish, Add	192.12	
		For Baked Enamel Standard Colors, Add	288.18	
		For Anodized Finish, Add	384.24	
		For Kynar® Standard Colors Finish, Add	528.32	
08 91 16 00-0065	EA	36" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum	1,293.30	79.92
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	113.35	
		For Clear Lacquer Finish, Add	226.69	
		For Baked Enamel Standard Colors, Add	340.04	
		For Anodized Finish, Add	453.38	
		For Kynar® Standard Colors Finish, Add	623.40	
08 91 16 00-0066	EA	36" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum	1,469.06	86.77
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	129.55	
		For Clear Lacquer Finish, Add	259.10	
		For Baked Enamel Standard Colors, Add	388.66	
		For Anodized Finish, Add	518.21	
		For Kynar® Standard Colors Finish, Add	712.54	
08 91 16 00-0067	EA	36" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum	1,634.19	94.19
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	144.58	
		For Clear Lacquer Finish, Add	289.16	
		For Baked Enamel Standard Colors, Add	433.74	
		For Anodized Finish, Add	578.32	
		For Kynar® Standard Colors Finish, Add	795.19	
08 91 16 00-0068	EA	36" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum	1,848.92	99.90
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	164.91	
		For Clear Lacquer Finish, Add	329.82	
		For Baked Enamel Standard Colors, Add	494.73	
		For Anodized Finish, Add	659.64	
		For Kynar® Standard Colors Finish, Add	907.01	
08 91 16 00-0069	EA	36" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum	2,034.00	108.46
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	181.71	
		For Clear Lacquer Finish, Add	363.41	
		For Baked Enamel Standard Colors, Add	545.12	
		For Anodized Finish, Add	726.83	
		For Kynar® Standard Colors Finish, Add	999.39	
08 91 16 00-0070	EA	36" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum	2,184.70	117.03
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	195.07	
		For Clear Lacquer Finish, Add	390.13	
		For Baked Enamel Standard Colors, Add	585.20	
		For Anodized Finish, Add	780.26	
		For Kynar® Standard Colors Finish, Add	1,072.86	
08 91 16 00-0071	EA	36" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum	2,339.34	125.59
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	208.82	
		For Clear Lacquer Finish, Add	417.63	
		For Baked Enamel Standard Colors, Add	626.45	
		For Anodized Finish, Add	835.26	
		For Kynar® Standard Colors Finish, Add	1,148.49	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0072	EA		36" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	2,498.88	134.15
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	223.06	
			For Clear Lacquer Finish, Add	446.12	
			For Baked Enamel Standard Colors, Add	669.17	
			For Anodized Finish, Add	892.23	
			For Kynar® Standard Colors Finish, Add	1,226.82	
08 91 16 00-0073	EA		36" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	2,693.97	139.86
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	241.43	
			For Clear Lacquer Finish, Add	482.85	
			For Baked Enamel Standard Colors, Add	724.28	
			For Anodized Finish, Add	965.70	
			For Kynar® Standard Colors Finish, Add	1,327.84	
08 91 16 00-0074	EA		36" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	2,860.58	145.57
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	256.94	
			For Clear Lacquer Finish, Add	513.89	
			For Baked Enamel Standard Colors, Add	770.83	
			For Anodized Finish, Add	1,027.78	
			For Kynar® Standard Colors Finish, Add	1,413.19	
08 91 16 00-0075	EA		36" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	3,073.16	154.13
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	276.49	
			For Clear Lacquer Finish, Add	552.98	
			For Baked Enamel Standard Colors, Add	829.47	
			For Anodized Finish, Add	1,105.96	
			For Kynar® Standard Colors Finish, Add	1,520.69	
08 91 16 00-0076	EA		36" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	3,231.73	162.70
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	290.63	
			For Clear Lacquer Finish, Add	581.27	
			For Baked Enamel Standard Colors, Add	871.90	
			For Anodized Finish, Add	1,162.53	
			For Kynar® Standard Colors Finish, Add	1,598.48	
08 91 16 00-0077	EA		42" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	797.96	54.24
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	68.95	
			For Clear Lacquer Finish, Add	137.90	
			For Baked Enamel Standard Colors, Add	206.85	
			For Anodized Finish, Add	275.80	
			For Kynar® Standard Colors Finish, Add	379.23	
08 91 16 00-0078	EA		42" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	1,018.04	68.51
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	88.10	
			For Clear Lacquer Finish, Add	176.21	
			For Baked Enamel Standard Colors, Add	264.31	
			For Anodized Finish, Add	352.41	
			For Kynar® Standard Colors Finish, Add	484.57	
08 91 16 00-0079	EA		42" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	1,195.26	77.06
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	104.11	
			For Clear Lacquer Finish, Add	208.23	
			For Baked Enamel Standard Colors, Add	312.34	
			For Anodized Finish, Add	416.45	
			For Kynar® Standard Colors Finish, Add	572.62	
08 91 16 00-0080	EA		42" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	1,397.84	88.48
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	122.09	
			For Clear Lacquer Finish, Add	244.17	
			For Baked Enamel Standard Colors, Add	366.26	
			For Anodized Finish, Add	488.35	
			For Kynar® Standard Colors Finish, Add	671.48	
08 91 16 00-0081	EA		42" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	1,585.08	94.19
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	139.67	
			For Clear Lacquer Finish, Add	279.34	
			For Baked Enamel Standard Colors, Add	419.01	
			For Anodized Finish, Add	558.68	
			For Kynar® Standard Colors Finish, Add	768.18	
08 91 16 00-0082	EA		42" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	1,762.49	99.90
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	156.27	
			For Clear Lacquer Finish, Add	312.54	
			For Baked Enamel Standard Colors, Add	468.80	
			For Anodized Finish, Add	625.07	
			For Kynar® Standard Colors Finish, Add	859.47	
08 91 16 00-0083	EA		42" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	1,995.88	105.61
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	178.47	
			For Clear Lacquer Finish, Add	356.93	
			For Baked Enamel Standard Colors, Add	535.40	
			For Anodized Finish, Add	713.86	
			For Kynar® Standard Colors Finish, Add	981.56	
08 91 16 00-0084	EA		42" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	2,183.90	114.17
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	195.56	
			For Clear Lacquer Finish, Add	391.11	
			For Baked Enamel Standard Colors, Add	586.67	
			For Anodized Finish, Add	782.22	
			For Kynar® Standard Colors Finish, Add	1,075.56	

## 08 Openings

## 08 90 Louvers and Vents

## 08 91 Louvers

 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 91 16 00-0085	EA	42" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum	2,353.27	122.73
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	210.78	
		For Clear Lacquer Finish, Add	421.56	
		For Baked Enamel Standard Colors, Add	632.34	
		For Anodized Finish, Add	843.12	
		For Kynar® Standard Colors Finish, Add	1,159.29	
08 91 16 00-0086	EA	42" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum	2,511.84	131.30
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	224.92	
		For Clear Lacquer Finish, Add	449.85	
		For Baked Enamel Standard Colors, Add	674.77	
		For Anodized Finish, Add	899.70	
		For Kynar® Standard Colors Finish, Add	1,237.08	
08 91 16 00-0087	EA	42" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum	2,685.13	139.86
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	240.54	
		For Clear Lacquer Finish, Add	481.08	
		For Baked Enamel Standard Colors, Add	721.62	
		For Anodized Finish, Add	962.16	
		For Kynar® Standard Colors Finish, Add	1,322.98	
08 91 16 00-0088	EA	42" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum	2,894.95	145.57
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	260.38	
		For Clear Lacquer Finish, Add	520.76	
		For Baked Enamel Standard Colors, Add	781.14	
		For Anodized Finish, Add	1,041.52	
		For Kynar® Standard Colors Finish, Add	1,432.10	
08 91 16 00-0089	EA	42" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum	3,077.28	151.28
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	277.47	
		For Clear Lacquer Finish, Add	554.94	
		For Baked Enamel Standard Colors, Add	832.42	
		For Anodized Finish, Add	1,109.89	
		For Kynar® Standard Colors Finish, Add	1,526.10	
08 91 16 00-0090	EA	42" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum	3,315.40	159.84
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	299.57	
		For Clear Lacquer Finish, Add	599.14	
		For Baked Enamel Standard Colors, Add	898.71	
		For Anodized Finish, Add	1,198.28	
		For Kynar® Standard Colors Finish, Add	1,647.64	
08 91 16 00-0091	EA	42" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum	3,480.83	168.41
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	314.40	
		For Clear Lacquer Finish, Add	628.80	
		For Baked Enamel Standard Colors, Add	943.21	
		For Anodized Finish, Add	1,257.61	
		For Kynar® Standard Colors Finish, Add	1,729.21	
08 91 16 00-0092	EA	48" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum	863.41	59.94
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	74.35	
		For Clear Lacquer Finish, Add	148.71	
		For Baked Enamel Standard Colors, Add	223.06	
		For Anodized Finish, Add	297.41	
		For Kynar® Standard Colors Finish, Add	408.94	
08 91 16 00-0093	EA	48" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum	1,097.24	74.21
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	94.88	
		For Clear Lacquer Finish, Add	189.76	
		For Baked Enamel Standard Colors, Add	284.64	
		For Anodized Finish, Add	379.52	
		For Kynar® Standard Colors Finish, Add	521.85	
08 91 16 00-0094	EA	48" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum	1,298.83	85.63
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	112.76	
		For Clear Lacquer Finish, Add	225.51	
		For Baked Enamel Standard Colors, Add	338.27	
		For Anodized Finish, Add	451.03	
		For Kynar® Standard Colors Finish, Add	620.16	
08 91 16 00-0095	EA	48" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum	1,506.50	94.19
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	131.81	
		For Clear Lacquer Finish, Add	263.62	
		For Baked Enamel Standard Colors, Add	395.43	
		For Anodized Finish, Add	527.24	
		For Kynar® Standard Colors Finish, Add	724.96	
08 91 16 00-0096	EA	48" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum	1,713.38	99.90
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	151.36	
		For Clear Lacquer Finish, Add	302.71	
		For Baked Enamel Standard Colors, Add	454.07	
		For Anodized Finish, Add	605.43	
		For Kynar® Standard Colors Finish, Add	832.46	
08 91 16 00-0097	EA	48" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum	1,913.37	105.61
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	170.22	
		For Clear Lacquer Finish, Add	340.43	
		For Baked Enamel Standard Colors, Add	510.65	
		For Anodized Finish, Add	680.86	
		For Kynar® Standard Colors Finish, Add	936.18	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0098	EA		48" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	2,162.29	114.17
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	193.40	
			For Clear Lacquer Finish, Add	386.79	
			For Baked Enamel Standard Colors, Add	580.19	
			For Anodized Finish, Add	773.58	
			For Kynar® Standard Colors Finish, Add	1,063.67	
08 91 16 00-0099	EA		48" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	2,368.00	122.73
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	212.25	
			For Clear Lacquer Finish, Add	424.51	
			For Baked Enamel Standard Colors, Add	636.76	
			For Anodized Finish, Add	849.01	
			For Kynar® Standard Colors Finish, Add	1,167.39	
08 91 16 00-0100	EA		48" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	2,546.22	131.30
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	228.36	
			For Clear Lacquer Finish, Add	456.72	
			For Baked Enamel Standard Colors, Add	685.09	
			For Anodized Finish, Add	913.45	
			For Kynar® Standard Colors Finish, Add	1,255.99	
08 91 16 00-0101	EA		48" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	2,727.36	139.86
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	244.76	
			For Clear Lacquer Finish, Add	489.53	
			For Baked Enamel Standard Colors, Add	734.29	
			For Anodized Finish, Add	979.06	
			For Kynar® Standard Colors Finish, Add	1,346.20	
08 91 16 00-0102	EA		48" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	2,904.59	148.43
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	260.77	
			For Clear Lacquer Finish, Add	521.55	
			For Baked Enamel Standard Colors, Add	782.32	
			For Anodized Finish, Add	1,043.10	
			For Kynar® Standard Colors Finish, Add	1,434.26	
08 91 16 00-0103	EA		48" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	3,141.92	154.13
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	283.37	
			For Clear Lacquer Finish, Add	566.73	
			For Baked Enamel Standard Colors, Add	850.10	
			For Anodized Finish, Add	1,133.46	
			For Kynar® Standard Colors Finish, Add	1,558.51	
08 91 16 00-0104	EA		48" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	3,338.97	159.84
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	301.93	
			For Clear Lacquer Finish, Add	603.86	
			For Baked Enamel Standard Colors, Add	905.78	
			For Anodized Finish, Add	1,207.71	
			For Kynar® Standard Colors Finish, Add	1,660.60	
08 91 16 00-0105	EA		48" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	3,582.18	165.55
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	325.11	
			For Clear Lacquer Finish, Add	650.22	
			For Baked Enamel Standard Colors, Add	975.32	
			For Anodized Finish, Add	1,300.43	
			For Kynar® Standard Colors Finish, Add	1,788.09	
08 91 16 00-0106	EA		48" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	3,764.32	174.12
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	341.61	
			For Clear Lacquer Finish, Add	683.22	
			For Baked Enamel Standard Colors, Add	1,024.83	
			For Anodized Finish, Add	1,366.44	
			For Kynar® Standard Colors Finish, Add	1,878.85	
08 91 16 00-0107	EA		54" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	1,002.33	68.51
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	86.53	
			For Clear Lacquer Finish, Add	173.06	
			For Baked Enamel Standard Colors, Add	259.60	
			For Anodized Finish, Add	346.13	
			For Kynar® Standard Colors Finish, Add	475.93	
08 91 16 00-0108	EA		54" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	1,285.26	82.77
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	111.97	
			For Clear Lacquer Finish, Add	223.94	
			For Baked Enamel Standard Colors, Add	335.91	
			For Anodized Finish, Add	447.88	
			For Kynar® Standard Colors Finish, Add	615.84	
08 91 16 00-0109	EA		54" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	1,506.32	97.04
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	131.22	
			For Clear Lacquer Finish, Add	262.44	
			For Baked Enamel Standard Colors, Add	393.67	
			For Anodized Finish, Add	524.89	
			For Kynar® Standard Colors Finish, Add	721.72	
08 91 16 00-0110	EA		54" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	1,730.88	102.75
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	152.54	
			For Clear Lacquer Finish, Add	305.07	
			For Baked Enamel Standard Colors, Add	457.61	
			For Anodized Finish, Add	610.14	
			For Kynar® Standard Colors Finish, Add	838.95	

**08 Openings****08 90 Louvers and Vents****08 91 Louvers**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 91 16 00-0111	EA	54" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum	1,975.07	108.46
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	175.81	
		For Clear Lacquer Finish, Add	351.63	
		For Baked Enamel Standard Colors, Add	527.44	
		For Anodized Finish, Add	703.26	
		For Kynar® Standard Colors Finish, Add	966.98	
08 91 16 00-0112	EA	54" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum	2,193.72	114.17
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	196.54	
		For Clear Lacquer Finish, Add	393.08	
		For Baked Enamel Standard Colors, Add	589.61	
		For Anodized Finish, Add	786.15	
		For Kynar® Standard Colors Finish, Add	1,080.96	
08 91 16 00-0113	EA	54" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum	2,482.92	122.73
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	223.75	
		For Clear Lacquer Finish, Add	447.49	
		For Baked Enamel Standard Colors, Add	671.24	
		For Anodized Finish, Add	894.98	
		For Kynar® Standard Colors Finish, Add	1,230.60	
08 91 16 00-0114	EA	54" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum	2,764.26	131.30
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	250.17	
		For Clear Lacquer Finish, Add	500.33	
		For Baked Enamel Standard Colors, Add	750.50	
		For Anodized Finish, Add	1,000.66	
		For Kynar® Standard Colors Finish, Add	1,375.91	
08 91 16 00-0115	EA	54" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum	2,974.88	139.86
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	269.52	
		For Clear Lacquer Finish, Add	539.03	
		For Baked Enamel Standard Colors, Add	808.55	
		For Anodized Finish, Add	1,078.06	
		For Kynar® Standard Colors Finish, Add	1,482.34	
08 91 16 00-0116	EA	54" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum	3,182.55	148.43
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	288.57	
		For Clear Lacquer Finish, Add	577.14	
		For Baked Enamel Standard Colors, Add	865.71	
		For Anodized Finish, Add	1,154.28	
		For Kynar® Standard Colors Finish, Add	1,587.14	
08 91 16 00-0117	EA	54" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum	3,382.56	154.13
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	307.43	
		For Clear Lacquer Finish, Add	614.86	
		For Baked Enamel Standard Colors, Add	922.29	
		For Anodized Finish, Add	1,229.72	
		For Kynar® Standard Colors Finish, Add	1,690.86	
08 91 16 00-0118	EA	54" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum	3,647.38	159.84
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	332.77	
		For Clear Lacquer Finish, Add	665.54	
		For Baked Enamel Standard Colors, Add	998.31	
		For Anodized Finish, Add	1,331.08	
		For Kynar® Standard Colors Finish, Add	1,830.23	
08 91 16 00-0119	EA	54" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum	3,868.00	165.55
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	353.69	
		For Clear Lacquer Finish, Add	707.38	
		For Baked Enamel Standard Colors, Add	1,061.07	
		For Anodized Finish, Add	1,414.76	
		For Kynar® Standard Colors Finish, Add	1,945.30	
08 91 16 00-0120	EA	54" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum	4,152.47	171.26
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	381.00	
		For Clear Lacquer Finish, Add	761.99	
		For Baked Enamel Standard Colors, Add	1,142.99	
		For Anodized Finish, Add	1,523.98	
		For Kynar® Standard Colors Finish, Add	2,095.47	
08 91 16 00-0121	EA	54" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum	4,365.06	179.82
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	400.54	
		For Clear Lacquer Finish, Add	801.08	
		For Baked Enamel Standard Colors, Add	1,201.62	
		For Anodized Finish, Add	1,602.16	
		For Kynar® Standard Colors Finish, Add	2,202.98	
08 91 16 00-0122	EA	60" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum	1,063.84	74.21
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	91.54	
		For Clear Lacquer Finish, Add	183.08	
		For Baked Enamel Standard Colors, Add	274.62	
		For Anodized Finish, Add	366.16	
		For Kynar® Standard Colors Finish, Add	503.48	
08 91 16 00-0123	EA	60" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum	1,370.16	91.33
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	118.75	
		For Clear Lacquer Finish, Add	237.50	
		For Baked Enamel Standard Colors, Add	356.24	
		For Anodized Finish, Add	474.99	
		For Kynar® Standard Colors Finish, Add	653.11	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0124	EA		60" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	1,596.32	102.75
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	139.08	
			For Clear Lacquer Finish, Add	278.16	
			For Baked Enamel Standard Colors, Add	417.24	
			For Anodized Finish, Add	556.32	
			For Kynar® Standard Colors Finish, Add	764.94	
08 91 16 00-0125	EA		60" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	1,843.45	108.46
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	162.65	
			For Clear Lacquer Finish, Add	325.30	
			For Baked Enamel Standard Colors, Add	487.96	
			For Anodized Finish, Add	650.61	
			For Kynar® Standard Colors Finish, Add	894.59	
08 91 16 00-0126	EA		60" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	2,102.19	117.03
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	186.81	
			For Clear Lacquer Finish, Add	373.63	
			For Baked Enamel Standard Colors, Add	560.44	
			For Anodized Finish, Add	747.26	
			For Kynar® Standard Colors Finish, Add	1,027.48	
08 91 16 00-0127	EA		60" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	2,333.63	122.73
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	208.82	
			For Clear Lacquer Finish, Add	417.63	
			For Baked Enamel Standard Colors, Add	626.45	
			For Anodized Finish, Add	835.26	
			For Kynar® Standard Colors Finish, Add	1,148.49	
08 91 16 00-0128	EA		60" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	2,643.45	131.30
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	238.09	
			For Clear Lacquer Finish, Add	476.17	
			For Baked Enamel Standard Colors, Add	714.26	
			For Anodized Finish, Add	952.34	
			For Kynar® Standard Colors Finish, Add	1,309.47	
08 91 16 00-0129	EA		60" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	2,932.64	139.86
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	265.29	
			For Clear Lacquer Finish, Add	530.58	
			For Baked Enamel Standard Colors, Add	795.88	
			For Anodized Finish, Add	1,061.17	
			For Kynar® Standard Colors Finish, Add	1,459.11	
08 91 16 00-0130	EA		60" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	3,158.00	148.43
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	286.12	
			For Clear Lacquer Finish, Add	572.23	
			For Baked Enamel Standard Colors, Add	858.35	
			For Anodized Finish, Add	1,144.46	
			For Kynar® Standard Colors Finish, Add	1,573.63	
08 91 16 00-0131	EA		60" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	3,379.43	156.99
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	306.55	
			For Clear Lacquer Finish, Add	613.09	
			For Baked Enamel Standard Colors, Add	919.64	
			For Anodized Finish, Add	1,226.18	
			For Kynar® Standard Colors Finish, Add	1,686.00	
08 91 16 00-0132	EA		60" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	3,592.20	162.70
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	326.68	
			For Clear Lacquer Finish, Add	653.36	
			For Baked Enamel Standard Colors, Add	980.04	
			For Anodized Finish, Add	1,306.72	
			For Kynar® Standard Colors Finish, Add	1,796.74	
08 91 16 00-0133	EA		60" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	3,879.61	168.41
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	354.28	
			For Clear Lacquer Finish, Add	708.56	
			For Baked Enamel Standard Colors, Add	1,062.84	
			For Anodized Finish, Add	1,417.12	
			For Kynar® Standard Colors Finish, Add	1,948.54	
08 91 16 00-0134	EA		60" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	4,111.04	174.12
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	376.28	
			For Clear Lacquer Finish, Add	752.56	
			For Baked Enamel Standard Colors, Add	1,128.84	
			For Anodized Finish, Add	1,505.12	
			For Kynar® Standard Colors Finish, Add	2,069.55	
08 91 16 00-0135	EA		60" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	4,410.24	179.82
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	405.06	
			For Clear Lacquer Finish, Add	810.12	
			For Baked Enamel Standard Colors, Add	1,215.18	
			For Anodized Finish, Add	1,620.24	
			For Kynar® Standard Colors Finish, Add	2,227.82	
08 91 16 00-0136	EA		60" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	4,629.88	185.53
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	425.88	
			For Clear Lacquer Finish, Add	851.76	
			For Baked Enamel Standard Colors, Add	1,277.65	
			For Anodized Finish, Add	1,703.53	
			For Kynar® Standard Colors Finish, Add	2,342.35	

**08 Openings****08 90 Louvers and Vents****08 91 Louvers**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 91 16 00-0137	Adjustable Intake Wall Louvers Operators <small>(08 91 16)</small>		
08 91 16 00-0138	EA 5' Chain Actuator For Adjustable Intake Louver.....	269.25	28.55
08 91 16 00-0139	EA Panel Crank For Adjustable Intake Louver .....	590.55	11.42

**08 91 19 Fixed Louvers (08 91)**

08 91 19 00-0001	Fixed Intake Wall Louvers <small>(08 91 19)</small>		
08 91 19 00-0002	EA 12" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	348.00	25.69
	Note: Includes bird screen. Excludes actuator.		
	For Flange Frame, Add	29.66	
	For Clear Lacquer Finish, Add	59.32	
	For Baked Enamel Standard Colors, Add	88.99	
	For Anodized Finish, Add	118.65	
	For Kynar® Standard Colors Finish, Add	163.14	
08 91 19 00-0003	EA 12" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	413.45	31.40
	Note: Includes bird screen. Excludes actuator.		
	For Flange Frame, Add	35.07	
	For Clear Lacquer Finish, Add	70.13	
	For Baked Enamel Standard Colors, Add	105.20	
	For Anodized Finish, Add	140.26	
	For Kynar® Standard Colors Finish, Add	192.86	
08 91 19 00-0004	EA 12" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	479.86	37.11
	Note: Includes bird screen. Excludes actuator.		
	For Flange Frame, Add	40.57	
	For Clear Lacquer Finish, Add	81.13	
	For Baked Enamel Standard Colors, Add	121.70	
	For Anodized Finish, Add	162.26	
	For Kynar® Standard Colors Finish, Add	223.11	
08 91 19 00-0005	EA 12" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	562.98	42.82
	Note: Includes bird screen. Excludes actuator.		
	For Flange Frame, Add	47.74	
	For Clear Lacquer Finish, Add	95.47	
	For Baked Enamel Standard Colors, Add	143.21	
	For Anodized Finish, Add	190.94	
	For Kynar® Standard Colors Finish, Add	262.54	
08 91 19 00-0006	EA 12" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	633.32	48.53
	Note: Includes bird screen. Excludes actuator.		
	For Flange Frame, Add	53.63	
	For Clear Lacquer Finish, Add	107.26	
	For Baked Enamel Standard Colors, Add	160.88	
	For Anodized Finish, Add	214.51	
	For Kynar® Standard Colors Finish, Add	294.95	
08 91 19 00-0007	EA 12" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	746.89	54.24
	Note: Includes bird screen. Excludes actuator.		
	For Flange Frame, Add	63.84	
	For Clear Lacquer Finish, Add	127.69	
	For Baked Enamel Standard Colors, Add	191.53	
	For Anodized Finish, Add	255.37	
	For Kynar® Standard Colors Finish, Add	351.14	
08 91 19 00-0008	EA 12" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	809.38	59.94
	Note: Includes bird screen. Excludes actuator.		
	For Flange Frame, Add	68.95	
	For Clear Lacquer Finish, Add	137.90	
	For Baked Enamel Standard Colors, Add	206.85	
	For Anodized Finish, Add	275.80	
	For Kynar® Standard Colors Finish, Add	379.23	
08 91 19 00-0009	EA 12" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	905.09	68.51
	Note: Includes bird screen. Excludes actuator.		
	For Flange Frame, Add	76.81	
	For Clear Lacquer Finish, Add	153.62	
	For Baked Enamel Standard Colors, Add	230.42	
	For Anodized Finish, Add	307.23	
	For Kynar® Standard Colors Finish, Add	422.44	
08 91 19 00-0010	EA 12" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	962.67	74.21
	Note: Includes bird screen. Excludes actuator.		
	For Flange Frame, Add	81.42	
	For Clear Lacquer Finish, Add	162.85	
	For Baked Enamel Standard Colors, Add	244.27	
	For Anodized Finish, Add	325.70	
	For Kynar® Standard Colors Finish, Add	447.83	
08 91 19 00-0011	EA 12" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	1,040.87	79.92
	Note: Includes bird screen. Excludes actuator.		
	For Flange Frame, Add	88.10	
	For Clear Lacquer Finish, Add	176.21	
	For Baked Enamel Standard Colors, Add	264.31	
	For Anodized Finish, Add	352.41	
	For Kynar® Standard Colors Finish, Add	484.57	
08 91 19 00-0012	EA 12" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	1,109.26	85.63
	Note: Includes bird screen. Excludes actuator.		
	For Flange Frame, Add	93.80	
	For Clear Lacquer Finish, Add	187.60	
	For Baked Enamel Standard Colors, Add	281.40	
	For Anodized Finish, Add	375.20	
	For Kynar® Standard Colors Finish, Add	515.90	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0013	EA		12" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	1,190.42	91.33
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	100.77	
			For Clear Lacquer Finish, Add	201.55	
			For Baked Enamel Standard Colors, Add	302.32	
			For Anodized Finish, Add	403.10	
			For Kynar® Standard Colors Finish, Add	554.26	
08 91 19 00-0014	EA		12" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	1,266.66	97.04
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	107.26	
			For Clear Lacquer Finish, Add	214.51	
			For Baked Enamel Standard Colors, Add	321.77	
			For Anodized Finish, Add	429.02	
			For Kynar® Standard Colors Finish, Add	589.91	
08 91 19 00-0015	EA		12" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	1,334.86	105.61
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	112.36	
			For Clear Lacquer Finish, Add	224.73	
			For Baked Enamel Standard Colors, Add	337.09	
			For Anodized Finish, Add	449.46	
			For Kynar® Standard Colors Finish, Add	618.00	
08 91 19 00-0016	EA		12" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	1,425.64	114.17
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	119.73	
			For Clear Lacquer Finish, Add	239.46	
			For Baked Enamel Standard Colors, Add	359.19	
			For Anodized Finish, Add	478.92	
			For Kynar® Standard Colors Finish, Add	658.52	
08 91 19 00-0017	EA		18" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	404.61	31.40
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	34.18	
			For Clear Lacquer Finish, Add	68.36	
			For Baked Enamel Standard Colors, Add	102.54	
			For Anodized Finish, Add	136.72	
			For Kynar® Standard Colors Finish, Add	188.00	
08 91 19 00-0018	EA		18" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	485.57	39.96
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	40.57	
			For Clear Lacquer Finish, Add	81.13	
			For Baked Enamel Standard Colors, Add	121.70	
			For Anodized Finish, Add	162.26	
			For Kynar® Standard Colors Finish, Add	223.11	
08 91 19 00-0019	EA		18" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	562.79	45.67
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	47.15	
			For Clear Lacquer Finish, Add	94.29	
			For Baked Enamel Standard Colors, Add	141.44	
			For Anodized Finish, Add	188.58	
			For Kynar® Standard Colors Finish, Add	259.30	
08 91 19 00-0020	EA		18" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	705.45	57.09
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	59.13	
			For Clear Lacquer Finish, Add	118.26	
			For Baked Enamel Standard Colors, Add	177.38	
			For Anodized Finish, Add	236.51	
			For Kynar® Standard Colors Finish, Add	325.20	
08 91 19 00-0021	EA		18" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	809.20	62.80
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	68.36	
			For Clear Lacquer Finish, Add	136.72	
			For Baked Enamel Standard Colors, Add	205.08	
			For Anodized Finish, Add	273.44	
			For Kynar® Standard Colors Finish, Add	375.99	
08 91 19 00-0022	EA		18" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	901.16	68.51
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	76.42	
			For Clear Lacquer Finish, Add	152.83	
			For Baked Enamel Standard Colors, Add	229.25	
			For Anodized Finish, Add	305.66	
			For Kynar® Standard Colors Finish, Add	420.28	
08 91 19 00-0023	EA		18" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	966.60	74.21
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	81.82	
			For Clear Lacquer Finish, Add	163.63	
			For Baked Enamel Standard Colors, Add	245.45	
			For Anodized Finish, Add	327.27	
			For Kynar® Standard Colors Finish, Add	449.99	
08 91 19 00-0024	EA		18" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	1,076.05	82.77
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	91.05	
			For Clear Lacquer Finish, Add	182.10	
			For Baked Enamel Standard Colors, Add	273.15	
			For Anodized Finish, Add	364.20	
			For Kynar® Standard Colors Finish, Add	500.78	
08 91 19 00-0025	EA		18" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	1,153.09	91.33
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	97.04	
			For Clear Lacquer Finish, Add	194.08	
			For Baked Enamel Standard Colors, Add	291.12	
			For Anodized Finish, Add	388.16	
			For Kynar® Standard Colors Finish, Add	533.73	

**08 Openings****08 90 Louvers and Vents****08 91 Louvers**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 91 19 00-0026	EA	18" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	1,252.91	97.04
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	105.88	
		For Clear Lacquer Finish, Add	211.76	
		For Baked Enamel Standard Colors, Add	317.64	
		For Anodized Finish, Add	423.52	
		For Kynar® Standard Colors Finish, Add	582.35	
08 91 19 00-0027	EA	18" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	1,329.16	102.75
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	112.36	
		For Clear Lacquer Finish, Add	224.73	
		For Baked Enamel Standard Colors, Add	337.09	
		For Anodized Finish, Add	449.46	
		For Kynar® Standard Colors Finish, Add	618.00	
08 91 19 00-0028	EA	18" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	1,414.23	108.46
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	119.73	
		For Clear Lacquer Finish, Add	239.46	
		For Baked Enamel Standard Colors, Add	359.19	
		For Anodized Finish, Add	478.92	
		For Kynar® Standard Colors Finish, Add	658.52	
08 91 19 00-0029	EA	18" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	1,503.24	114.17
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	127.49	
		For Clear Lacquer Finish, Add	254.98	
		For Baked Enamel Standard Colors, Add	382.47	
		For Anodized Finish, Add	509.96	
		For Kynar® Standard Colors Finish, Add	701.20	
08 91 19 00-0030	EA	18" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	1,582.24	122.73
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	133.68	
		For Clear Lacquer Finish, Add	267.35	
		For Baked Enamel Standard Colors, Add	401.03	
		For Anodized Finish, Add	534.71	
		For Kynar® Standard Colors Finish, Add	735.22	
08 91 19 00-0031	EA	18" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	1,691.70	131.30
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	142.91	
		For Clear Lacquer Finish, Add	285.82	
		For Baked Enamel Standard Colors, Add	428.73	
		For Anodized Finish, Add	571.64	
		For Kynar® Standard Colors Finish, Add	786.01	
08 91 19 00-0032	EA	24" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	468.07	37.11
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	39.39	
		For Clear Lacquer Finish, Add	78.77	
		For Baked Enamel Standard Colors, Add	118.16	
		For Anodized Finish, Add	157.54	
		For Kynar® Standard Colors Finish, Add	216.62	
08 91 19 00-0033	EA	24" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	557.87	45.67
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	46.65	
		For Clear Lacquer Finish, Add	93.31	
		For Baked Enamel Standard Colors, Add	139.96	
		For Anodized Finish, Add	186.62	
		For Kynar® Standard Colors Finish, Add	256.60	
08 91 19 00-0034	EA	24" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	690.90	54.24
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	58.24	
		For Clear Lacquer Finish, Add	116.49	
		For Baked Enamel Standard Colors, Add	174.73	
		For Anodized Finish, Add	232.98	
		For Kynar® Standard Colors Finish, Add	320.34	
08 91 19 00-0035	EA	24" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	814.91	65.65
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	68.36	
		For Clear Lacquer Finish, Add	136.72	
		For Baked Enamel Standard Colors, Add	205.08	
		For Anodized Finish, Add	273.44	
		For Kynar® Standard Colors Finish, Add	375.99	
08 91 19 00-0036	EA	24" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	932.41	71.36
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	78.97	
		For Clear Lacquer Finish, Add	157.94	
		For Baked Enamel Standard Colors, Add	236.91	
		For Anodized Finish, Add	315.88	
		For Kynar® Standard Colors Finish, Add	434.33	
08 91 19 00-0037	EA	24" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	1,041.06	77.06
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	88.69	
		For Clear Lacquer Finish, Add	177.39	
		For Baked Enamel Standard Colors, Add	266.08	
		For Anodized Finish, Add	354.77	
		For Kynar® Standard Colors Finish, Add	487.81	
08 91 19 00-0038	EA	24" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	1,131.85	85.63
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	96.06	
		For Clear Lacquer Finish, Add	192.12	
		For Baked Enamel Standard Colors, Add	288.18	
		For Anodized Finish, Add	384.24	
		For Kynar® Standard Colors Finish, Add	528.32	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0039	EA		24" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	1,252.91	97.04
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	105.88	
			For Clear Lacquer Finish, Add	211.76	
			For Baked Enamel Standard Colors, Add	317.64	
			For Anodized Finish, Add	423.52	
			For Kynar® Standard Colors Finish, Add	582.35	
08 91 19 00-0040	EA		24" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	1,333.09	102.75
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	112.76	
			For Clear Lacquer Finish, Add	225.51	
			For Baked Enamel Standard Colors, Add	338.27	
			For Anodized Finish, Add	451.03	
			For Kynar® Standard Colors Finish, Add	620.16	
08 91 19 00-0041	EA		24" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	1,464.93	114.17
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	123.66	
			For Clear Lacquer Finish, Add	247.32	
			For Baked Enamel Standard Colors, Add	370.98	
			For Anodized Finish, Add	494.64	
			For Kynar® Standard Colors Finish, Add	680.12	
08 91 19 00-0042	EA		24" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	1,548.05	119.88
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	130.83	
			For Clear Lacquer Finish, Add	261.66	
			For Baked Enamel Standard Colors, Add	392.49	
			For Anodized Finish, Add	523.32	
			For Kynar® Standard Colors Finish, Add	719.56	
08 91 19 00-0043	EA		24" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	1,655.73	125.59
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	140.46	
			For Clear Lacquer Finish, Add	280.91	
			For Baked Enamel Standard Colors, Add	421.37	
			For Anodized Finish, Add	561.82	
			For Kynar® Standard Colors Finish, Add	772.50	
08 91 19 00-0044	EA		24" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	1,761.44	131.30
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	149.88	
			For Clear Lacquer Finish, Add	299.77	
			For Baked Enamel Standard Colors, Add	449.65	
			For Anodized Finish, Add	599.54	
			For Kynar® Standard Colors Finish, Add	824.36	
08 91 19 00-0045	EA		24" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	1,842.40	139.86
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	156.27	
			For Clear Lacquer Finish, Add	312.54	
			For Baked Enamel Standard Colors, Add	468.80	
			For Anodized Finish, Add	625.07	
			For Kynar® Standard Colors Finish, Add	859.47	
08 91 19 00-0046	EA		24" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	1,975.43	148.43
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	167.86	
			For Clear Lacquer Finish, Add	335.72	
			For Baked Enamel Standard Colors, Add	503.57	
			For Anodized Finish, Add	671.43	
			For Kynar® Standard Colors Finish, Add	923.22	
08 91 19 00-0047	EA		30" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	524.67	42.82
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	43.90	
			For Clear Lacquer Finish, Add	87.81	
			For Baked Enamel Standard Colors, Add	131.71	
			For Anodized Finish, Add	175.62	
			For Kynar® Standard Colors Finish, Add	241.47	
08 91 19 00-0048	EA		30" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	678.93	57.09
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	56.48	
			For Clear Lacquer Finish, Add	112.95	
			For Baked Enamel Standard Colors, Add	169.43	
			For Anodized Finish, Add	225.90	
			For Kynar® Standard Colors Finish, Add	310.62	
08 91 19 00-0049	EA		30" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	792.32	65.65
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	66.10	
			For Clear Lacquer Finish, Add	132.20	
			For Baked Enamel Standard Colors, Add	198.31	
			For Anodized Finish, Add	264.41	
			For Kynar® Standard Colors Finish, Add	363.56	
08 91 19 00-0050	EA		30" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	924.37	74.21
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	77.59	
			For Clear Lacquer Finish, Add	155.19	
			For Baked Enamel Standard Colors, Add	232.78	
			For Anodized Finish, Add	310.38	
			For Kynar® Standard Colors Finish, Add	426.77	
08 91 19 00-0051	EA		30" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,065.43	79.92
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	90.56	
			For Clear Lacquer Finish, Add	181.12	
			For Baked Enamel Standard Colors, Add	271.68	
			For Anodized Finish, Add	362.24	
			For Kynar® Standard Colors Finish, Add	498.07	

**08 Openings**  
**08 90 Louvers and Vents**  
**08 91 Louvers**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 91 19 00-0052	EA	30" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	1,184.71	88.48
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	100.77	
		For Clear Lacquer Finish, Add	201.55	
		For Baked Enamel Standard Colors, Add	302.32	
		For Anodized Finish, Add	403.10	
		For Kynar® Standard Colors Finish, Add	554.26	
08 91 19 00-0053	EA	30" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	1,273.72	94.19
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	108.53	
		For Clear Lacquer Finish, Add	217.07	
		For Baked Enamel Standard Colors, Add	325.60	
		For Anodized Finish, Add	434.13	
		For Kynar® Standard Colors Finish, Add	596.93	
08 91 19 00-0054	EA	30" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	1,398.89	102.75
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	119.34	
		For Clear Lacquer Finish, Add	238.67	
		For Baked Enamel Standard Colors, Add	358.01	
		For Anodized Finish, Add	477.35	
		For Kynar® Standard Colors Finish, Add	656.35	
08 91 19 00-0055	EA	30" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	1,498.70	108.46
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	128.18	
		For Clear Lacquer Finish, Add	256.35	
		For Baked Enamel Standard Colors, Add	384.53	
		For Anodized Finish, Add	512.71	
		For Kynar® Standard Colors Finish, Add	704.97	
08 91 19 00-0056	EA	30" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	1,651.18	119.88
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	141.14	
		For Clear Lacquer Finish, Add	282.28	
		For Baked Enamel Standard Colors, Add	423.43	
		For Anodized Finish, Add	564.57	
		For Kynar® Standard Colors Finish, Add	776.28	
08 91 19 00-0057	EA	30" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	1,748.85	128.44
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	149.20	
		For Clear Lacquer Finish, Add	298.39	
		For Baked Enamel Standard Colors, Add	447.59	
		For Anodized Finish, Add	596.78	
		For Kynar® Standard Colors Finish, Add	820.58	
08 91 19 00-0058	EA	30" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	1,863.39	134.15
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	159.51	
		For Clear Lacquer Finish, Add	319.02	
		For Baked Enamel Standard Colors, Add	478.53	
		For Anodized Finish, Add	638.04	
		For Kynar® Standard Colors Finish, Add	877.30	
08 91 19 00-0059	EA	30" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	1,976.96	139.86
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	169.72	
		For Clear Lacquer Finish, Add	339.45	
		For Baked Enamel Standard Colors, Add	509.17	
		For Anodized Finish, Add	678.90	
		For Kynar® Standard Colors Finish, Add	933.48	
08 91 19 00-0060	EA	30" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	2,072.67	148.43
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	177.58	
		For Clear Lacquer Finish, Add	355.16	
		For Baked Enamel Standard Colors, Add	532.75	
		For Anodized Finish, Add	710.33	
		For Kynar® Standard Colors Finish, Add	976.70	
08 91 19 00-0061	EA	30" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	2,223.38	156.99
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	190.94	
		For Clear Lacquer Finish, Add	381.88	
		For Baked Enamel Standard Colors, Add	572.82	
		For Anodized Finish, Add	763.76	
		For Kynar® Standard Colors Finish, Add	1,050.17	
08 91 19 00-0062	EA	36" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	582.25	48.53
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	48.52	
		For Clear Lacquer Finish, Add	97.04	
		For Baked Enamel Standard Colors, Add	145.56	
		For Anodized Finish, Add	194.08	
		For Kynar® Standard Colors Finish, Add	266.87	
08 91 19 00-0063	EA	36" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	764.02	62.80
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	63.84	
		For Clear Lacquer Finish, Add	127.69	
		For Baked Enamel Standard Colors, Add	191.53	
		For Anodized Finish, Add	255.37	
		For Kynar® Standard Colors Finish, Add	351.14	
08 91 19 00-0064	EA	36" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	883.30	71.36
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	74.06	
		For Clear Lacquer Finish, Add	148.12	
		For Baked Enamel Standard Colors, Add	222.17	
		For Anodized Finish, Add	296.23	
		For Kynar® Standard Colors Finish, Add	407.32	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0065	EA		36" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	1,025.16	79.92
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	86.53	
			For Clear Lacquer Finish, Add	173.06	
			For Baked Enamel Standard Colors, Add	259.60	
			For Anodized Finish, Add	346.13	
			For Kynar® Standard Colors Finish, Add	475.93	
08 91 19 00-0066	EA		36" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,184.22	86.77
			Note: Includes bird screen.		
			For Flange Frame, Add	101.07	
			For Clear Lacquer Finish, Add	202.14	
			For Baked Enamel Standard Colors, Add	303.20	
			For Anodized Finish, Add	404.27	
			For Kynar® Standard Colors Finish, Add	555.87	
08 91 19 00-0067	EA		36" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	1,308.10	94.19
			Note: Includes bird screen.		
			For Flange Frame, Add	111.97	
			For Clear Lacquer Finish, Add	223.94	
			For Baked Enamel Standard Colors, Add	335.91	
			For Anodized Finish, Add	447.88	
			For Kynar® Standard Colors Finish, Add	615.84	
08 91 19 00-0068	EA		36" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	1,414.79	99.90
			Note: Includes bird screen.		
			For Flange Frame, Add	121.50	
			For Clear Lacquer Finish, Add	243.00	
			For Baked Enamel Standard Colors, Add	364.49	
			For Anodized Finish, Add	485.99	
			For Kynar® Standard Colors Finish, Add	668.24	
08 91 19 00-0069	EA		36" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	1,557.63	108.46
			Note: Includes bird screen.		
			For Flange Frame, Add	134.07	
			For Clear Lacquer Finish, Add	268.14	
			For Baked Enamel Standard Colors, Add	402.21	
			For Anodized Finish, Add	536.28	
			For Kynar® Standard Colors Finish, Add	737.39	
08 91 19 00-0070	EA		36" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	1,666.10	117.03
			Note: Includes bird screen.		
			For Flange Frame, Add	143.21	
			For Clear Lacquer Finish, Add	286.41	
			For Baked Enamel Standard Colors, Add	429.62	
			For Anodized Finish, Add	572.82	
			For Kynar® Standard Colors Finish, Add	787.63	
08 91 19 00-0071	EA		36" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	1,837.43	125.59
			Note: Includes bird screen.		
			For Flange Frame, Add	158.63	
			For Clear Lacquer Finish, Add	317.25	
			For Baked Enamel Standard Colors, Add	475.88	
			For Anodized Finish, Add	634.50	
			For Kynar® Standard Colors Finish, Add	872.44	
08 91 19 00-0072	EA		36" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	1,950.81	134.15
			Note: Includes bird screen.		
			For Flange Frame, Add	168.25	
			For Clear Lacquer Finish, Add	336.50	
			For Baked Enamel Standard Colors, Add	504.75	
			For Anodized Finish, Add	673.00	
			For Kynar® Standard Colors Finish, Add	925.38	
08 91 19 00-0073	EA		36" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	2,073.22	139.86
			Note: Includes bird screen.		
			For Flange Frame, Add	179.35	
			For Clear Lacquer Finish, Add	358.70	
			For Baked Enamel Standard Colors, Add	538.05	
			For Anodized Finish, Add	717.40	
			For Kynar® Standard Colors Finish, Add	986.43	
08 91 19 00-0074	EA		36" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	2,200.54	145.57
			Note: Includes bird screen.		
			For Flange Frame, Add	190.94	
			For Clear Lacquer Finish, Add	381.88	
			For Baked Enamel Standard Colors, Add	572.82	
			For Anodized Finish, Add	763.76	
			For Kynar® Standard Colors Finish, Add	1,050.17	
08 91 19 00-0075	EA		36" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	2,309.99	154.13
			Note: Includes bird screen.		
			For Flange Frame, Add	200.17	
			For Clear Lacquer Finish, Add	400.34	
			For Baked Enamel Standard Colors, Add	600.52	
			For Anodized Finish, Add	800.69	
			For Kynar® Standard Colors Finish, Add	1,100.95	
08 91 19 00-0076	EA		36" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	2,480.35	162.70
			Note: Includes bird screen.		
			For Flange Frame, Add	215.50	
			For Clear Lacquer Finish, Add	430.99	
			For Baked Enamel Standard Colors, Add	646.49	
			For Anodized Finish, Add	861.98	
			For Kynar® Standard Colors Finish, Add	1,185.22	
08 91 19 00-0077	EA		42" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	677.15	54.24
			Note: Includes bird screen.		
			For Flange Frame, Add	56.87	
			For Clear Lacquer Finish, Add	113.74	
			For Baked Enamel Standard Colors, Add	170.61	
			For Anodized Finish, Add	227.48	
			For Kynar® Standard Colors Finish, Add	312.78	

**08 Openings**  
**08 90 Louvers and Vents**  
**08 91 Louvers**

MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 91 19 00-0078	EA	42" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	830.44	68.51
		Note: Includes bird screen.		
		For Flange Frame, Add	69.34	
		For Clear Lacquer Finish, Add	138.69	
		For Baked Enamel Standard Colors, Add	208.03	
		For Anodized Finish, Add	277.37	
		For Kynar® Standard Colors Finish, Add	381.39	
08 91 19 00-0079	EA	42" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	962.48	77.06
		Note: Includes bird screen.		
		For Flange Frame, Add	80.84	
		For Clear Lacquer Finish, Add	161.67	
		For Baked Enamel Standard Colors, Add	242.51	
		For Anodized Finish, Add	323.34	
		For Kynar® Standard Colors Finish, Add	444.59	
08 91 19 00-0080	EA	42" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	1,125.78	88.48
		Note: Includes bird screen.		
		For Flange Frame, Add	94.88	
		For Clear Lacquer Finish, Add	189.76	
		For Baked Enamel Standard Colors, Add	284.64	
		For Anodized Finish, Add	379.52	
		For Kynar® Standard Colors Finish, Add	521.85	
08 91 19 00-0081	EA	42" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,298.28	94.19
		Note: Includes bird screen.		
		For Flange Frame, Add	110.99	
		For Clear Lacquer Finish, Add	221.98	
		For Baked Enamel Standard Colors, Add	332.97	
		For Anodized Finish, Add	443.96	
		For Kynar® Standard Colors Finish, Add	610.44	
08 91 19 00-0082	EA	42" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	1,436.40	99.90
		Note: Includes bird screen.		
		For Flange Frame, Add	123.66	
		For Clear Lacquer Finish, Add	247.32	
		For Baked Enamel Standard Colors, Add	370.98	
		For Anodized Finish, Add	494.64	
		For Kynar® Standard Colors Finish, Add	680.12	
08 91 19 00-0083	EA	42" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	1,555.85	105.61
		Note: Includes bird screen.		
		For Flange Frame, Add	134.46	
		For Clear Lacquer Finish, Add	268.93	
		For Baked Enamel Standard Colors, Add	403.39	
		For Anodized Finish, Add	537.85	
		For Kynar® Standard Colors Finish, Add	739.55	
08 91 19 00-0084	EA	42" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	1,698.69	114.17
		Note: Includes bird screen.		
		For Flange Frame, Add	147.04	
		For Clear Lacquer Finish, Add	294.07	
		For Baked Enamel Standard Colors, Add	441.11	
		For Anodized Finish, Add	588.14	
		For Kynar® Standard Colors Finish, Add	808.69	
08 91 19 00-0085	EA	42" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	1,820.92	122.73
		Note: Includes bird screen.		
		For Flange Frame, Add	157.55	
		For Clear Lacquer Finish, Add	315.09	
		For Baked Enamel Standard Colors, Add	472.64	
		For Anodized Finish, Add	630.18	
		For Kynar® Standard Colors Finish, Add	866.50	
08 91 19 00-0086	EA	42" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	2,010.92	131.30
		Note: Includes bird screen.		
		For Flange Frame, Add	174.83	
		For Clear Lacquer Finish, Add	349.66	
		For Baked Enamel Standard Colors, Add	524.50	
		For Anodized Finish, Add	699.33	
		For Kynar® Standard Colors Finish, Add	961.58	
08 91 19 00-0087	EA	42" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	2,133.13	139.86
		Note: Includes bird screen.		
		For Flange Frame, Add	185.34	
		For Clear Lacquer Finish, Add	370.68	
		For Baked Enamel Standard Colors, Add	556.02	
		For Anodized Finish, Add	741.36	
		For Kynar® Standard Colors Finish, Add	1,019.38	
08 91 19 00-0088	EA	42" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	2,271.26	145.57
		Note: Includes bird screen.		
		For Flange Frame, Add	198.01	
		For Clear Lacquer Finish, Add	396.02	
		For Baked Enamel Standard Colors, Add	594.04	
		For Anodized Finish, Add	792.05	
		For Kynar® Standard Colors Finish, Add	1,089.07	
08 91 19 00-0089	EA	42" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	2,410.36	151.28
		Note: Includes bird screen.		
		For Flange Frame, Add	210.78	
		For Clear Lacquer Finish, Add	421.56	
		For Baked Enamel Standard Colors, Add	632.34	
		For Anodized Finish, Add	843.12	
		For Kynar® Standard Colors Finish, Add	1,159.29	
08 91 19 00-0090	EA	42" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	2,539.46	159.84
		Note: Includes bird screen.		
		For Flange Frame, Add	221.98	
		For Clear Lacquer Finish, Add	443.95	
		For Baked Enamel Standard Colors, Add	665.93	
		For Anodized Finish, Add	887.91	
		For Kynar® Standard Colors Finish, Add	1,220.87	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0091	EA		42" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,722.57	168.41
			<i>For Flange Frame, Add</i>	238.58	
			<i>For Clear Lacquer Finish, Add</i>	477.15	
			<i>For Baked Enamel Standard Colors, Add</i>	715.73	
			<i>For Anodized Finish, Add</i>	954.30	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,312.17	
08 91 19 00-0092	EA		48" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	740.63	59.94
			<i>For Flange Frame, Add</i>	62.08	
			<i>For Clear Lacquer Finish, Add</i>	124.15	
			<i>For Baked Enamel Standard Colors, Add</i>	186.23	
			<i>For Anodized Finish, Add</i>	248.30	
			<i>For Kynar® Standard Colors Finish, Add</i>	341.41	
08 91 19 00-0093	EA		48" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	907.67	74.21
			<i>For Flange Frame, Add</i>	75.92	
			<i>For Clear Lacquer Finish, Add</i>	151.85	
			<i>For Baked Enamel Standard Colors, Add</i>	227.77	
			<i>For Anodized Finish, Add</i>	303.70	
			<i>For Kynar® Standard Colors Finish, Add</i>	417.58	
08 91 19 00-0094	EA		48" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,063.10	85.63
			<i>For Flange Frame, Add</i>	89.18	
			<i>For Clear Lacquer Finish, Add</i>	178.37	
			<i>For Baked Enamel Standard Colors, Add</i>	267.55	
			<i>For Anodized Finish, Add</i>	356.74	
			<i>For Kynar® Standard Colors Finish, Add</i>	490.51	
08 91 19 00-0095	EA		48" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,223.63	94.19
			<i>For Flange Frame, Add</i>	103.52	
			<i>For Clear Lacquer Finish, Add</i>	207.05	
			<i>For Baked Enamel Standard Colors, Add</i>	310.57	
			<i>For Anodized Finish, Add</i>	414.10	
			<i>For Kynar® Standard Colors Finish, Add</i>	569.38	
08 91 19 00-0096	EA		48" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,420.68	99.90
			<i>For Flange Frame, Add</i>	122.09	
			<i>For Clear Lacquer Finish, Add</i>	244.17	
			<i>For Baked Enamel Standard Colors, Add</i>	366.26	
			<i>For Anodized Finish, Add</i>	488.35	
			<i>For Kynar® Standard Colors Finish, Add</i>	671.48	
08 91 19 00-0097	EA		48" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,580.41	105.61
			<i>For Flange Frame, Add</i>	136.92	
			<i>For Clear Lacquer Finish, Add</i>	273.84	
			<i>For Baked Enamel Standard Colors, Add</i>	410.76	
			<i>For Anodized Finish, Add</i>	547.68	
			<i>For Kynar® Standard Colors Finish, Add</i>	753.05	
08 91 19 00-0098	EA		48" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,712.44	114.17
			<i>For Flange Frame, Add</i>	148.41	
			<i>For Clear Lacquer Finish, Add</i>	296.82	
			<i>For Baked Enamel Standard Colors, Add</i>	445.23	
			<i>For Anodized Finish, Add</i>	593.64	
			<i>For Kynar® Standard Colors Finish, Add</i>	816.26	
08 91 19 00-0099	EA		48" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,920.12	122.73
			<i>For Flange Frame, Add</i>	167.47	
			<i>For Clear Lacquer Finish, Add</i>	334.93	
			<i>For Baked Enamel Standard Colors, Add</i>	502.40	
			<i>For Anodized Finish, Add</i>	669.86	
			<i>For Kynar® Standard Colors Finish, Add</i>	921.06	
08 91 19 00-0100	EA		48" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,010.92	131.30
			<i>For Flange Frame, Add</i>	174.83	
			<i>For Clear Lacquer Finish, Add</i>	349.66	
			<i>For Baked Enamel Standard Colors, Add</i>	524.50	
			<i>For Anodized Finish, Add</i>	699.33	
			<i>For Kynar® Standard Colors Finish, Add</i>	961.58	
08 91 19 00-0101	EA		48" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,213.67	139.86
			<i>For Flange Frame, Add</i>	193.40	
			<i>For Clear Lacquer Finish, Add</i>	386.79	
			<i>For Baked Enamel Standard Colors, Add</i>	580.19	
			<i>For Anodized Finish, Add</i>	773.58	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,063.67	
08 91 19 00-0102	EA		48" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,354.56	148.43
			<i>For Flange Frame, Add</i>	205.77	
			<i>For Clear Lacquer Finish, Add</i>	411.54	
			<i>For Baked Enamel Standard Colors, Add</i>	617.31	
			<i>For Anodized Finish, Add</i>	823.08	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,131.74	
08 91 19 00-0103	EA		48" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,508.40	154.13
			<i>For Flange Frame, Add</i>	220.01	
			<i>For Clear Lacquer Finish, Add</i>	440.03	
			<i>For Baked Enamel Standard Colors, Add</i>	660.04	
			<i>For Anodized Finish, Add</i>	880.05	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,210.07	

**08 Openings****08 90 Louvers and Vents****08 91 Louvers**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 91 19 00-0104	EA	48" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	2,662.24	159.84
		Note: Includes bird screen.		
		For Flange Frame, Add	234.26	
		For Clear Lacquer Finish, Add	468.51	
		For Baked Enamel Standard Colors, Add	702.77	
		For Anodized Finish, Add	937.02	
		For Kynar® Standard Colors Finish, Add	1,288.40	
08 91 19 00-0105	EA	48" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	2,790.53	165.55
		Note: Includes bird screen.		
		For Flange Frame, Add	245.94	
		For Clear Lacquer Finish, Add	491.89	
		For Baked Enamel Standard Colors, Add	737.83	
		For Anodized Finish, Add	983.77	
		For Kynar® Standard Colors Finish, Add	1,352.69	
08 91 19 00-0106	EA	48" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	3,001.15	174.12
		Note: Includes bird screen.		
		For Flange Frame, Add	265.29	
		For Clear Lacquer Finish, Add	530.58	
		For Baked Enamel Standard Colors, Add	795.88	
		For Anodized Finish, Add	1,061.17	
		For Kynar® Standard Colors Finish, Add	1,459.11	
08 91 19 00-0107	EA	54" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	820.62	68.51
		Note: Includes bird screen.		
		For Flange Frame, Add	68.36	
		For Clear Lacquer Finish, Add	136.72	
		For Baked Enamel Standard Colors, Add	205.08	
		For Anodized Finish, Add	273.44	
		For Kynar® Standard Colors Finish, Add	375.99	
08 91 19 00-0108	EA	54" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	1,007.30	82.77
		Note: Includes bird screen.		
		For Flange Frame, Add	84.18	
		For Clear Lacquer Finish, Add	168.35	
		For Baked Enamel Standard Colors, Add	252.53	
		For Anodized Finish, Add	336.70	
		For Kynar® Standard Colors Finish, Add	462.96	
08 91 19 00-0109	EA	54" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,179.25	97.04
		Note: Includes bird screen.		
		For Flange Frame, Add	98.52	
		For Clear Lacquer Finish, Add	197.03	
		For Baked Enamel Standard Colors, Add	295.55	
		For Anodized Finish, Add	394.06	
		For Kynar® Standard Colors Finish, Add	541.83	
08 91 19 00-0110	EA	54" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	1,350.77	102.75
		Note: Includes bird screen.		
		For Flange Frame, Add	114.53	
		For Clear Lacquer Finish, Add	229.05	
		For Baked Enamel Standard Colors, Add	343.58	
		For Anodized Finish, Add	458.10	
		For Kynar® Standard Colors Finish, Add	629.89	
08 91 19 00-0111	EA	54" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,586.12	108.46
		Note: Includes bird screen.		
		For Flange Frame, Add	136.92	
		For Clear Lacquer Finish, Add	273.84	
		For Baked Enamel Standard Colors, Add	410.76	
		For Anodized Finish, Add	547.68	
		For Kynar® Standard Colors Finish, Add	753.05	
08 91 19 00-0112	EA	54" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	1,749.77	114.17
		Note: Includes bird screen.		
		For Flange Frame, Add	152.14	
		For Clear Lacquer Finish, Add	304.29	
		For Baked Enamel Standard Colors, Add	456.43	
		For Anodized Finish, Add	608.57	
		For Kynar® Standard Colors Finish, Add	836.79	
08 91 19 00-0113	EA	54" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	1,904.41	122.73
		Note: Includes bird screen.		
		For Flange Frame, Add	165.89	
		For Clear Lacquer Finish, Add	331.79	
		For Baked Enamel Standard Colors, Add	497.68	
		For Anodized Finish, Add	663.58	
		For Kynar® Standard Colors Finish, Add	912.42	
08 91 19 00-0114	EA	54" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	2,130.74	131.30
		Note: Includes bird screen.		
		For Flange Frame, Add	186.81	
		For Clear Lacquer Finish, Add	373.63	
		For Baked Enamel Standard Colors, Add	560.44	
		For Anodized Finish, Add	747.26	
		For Kynar® Standard Colors Finish, Add	1,027.48	
08 91 19 00-0115	EA	54" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	2,290.28	139.86
		Note: Includes bird screen.		
		For Flange Frame, Add	201.06	
		For Clear Lacquer Finish, Add	402.11	
		For Baked Enamel Standard Colors, Add	603.17	
		For Anodized Finish, Add	804.22	
		For Kynar® Standard Colors Finish, Add	1,105.81	
08 91 19 00-0116	EA	54" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	2,527.43	148.43
		Note: Includes bird screen.		
		For Flange Frame, Add	223.06	
		For Clear Lacquer Finish, Add	446.12	
		For Baked Enamel Standard Colors, Add	669.17	
		For Anodized Finish, Add	892.23	
		For Kynar® Standard Colors Finish, Add	1,226.82	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0117	EA		54" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,680.28	154.13
			<i>For Flange Frame, Add</i>	237.20	
			<i>For Clear Lacquer Finish, Add</i>	474.40	
			<i>For Baked Enamel Standard Colors, Add</i>	711.60	
			<i>For Anodized Finish, Add</i>	948.80	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,304.61	
08 91 19 00-0118	EA		54" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,854.75	159.84
			<i>For Flange Frame, Add</i>	253.51	
			<i>For Clear Lacquer Finish, Add</i>	507.01	
			<i>For Baked Enamel Standard Colors, Add</i>	760.52	
			<i>For Anodized Finish, Add</i>	1,014.02	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,394.28	
08 91 19 00-0119	EA		54" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	3,022.33	165.55
			<i>For Flange Frame, Add</i>	269.12	
			<i>For Clear Lacquer Finish, Add</i>	538.25	
			<i>For Baked Enamel Standard Colors, Add</i>	807.37	
			<i>For Anodized Finish, Add</i>	1,076.49	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,480.18	
08 91 19 00-0120	EA		54" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	3,161.43	171.26
			<i>For Flange Frame, Add</i>	281.89	
			<i>For Clear Lacquer Finish, Add</i>	563.78	
			<i>For Baked Enamel Standard Colors, Add</i>	845.67	
			<i>For Anodized Finish, Add</i>	1,127.56	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,550.40	
08 91 19 00-0121	EA		54" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	3,406.43	179.82
			<i>For Flange Frame, Add</i>	304.68	
			<i>For Clear Lacquer Finish, Add</i>	609.36	
			<i>For Baked Enamel Standard Colors, Add</i>	914.03	
			<i>For Anodized Finish, Add</i>	1,218.71	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,675.73	
08 91 19 00-0122	EA		60" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	882.13	74.21
			<i>For Flange Frame, Add</i>	73.37	
			<i>For Clear Lacquer Finish, Add</i>	146.74	
			<i>For Baked Enamel Standard Colors, Add</i>	220.11	
			<i>For Anodized Finish, Add</i>	293.48	
			<i>For Kynar® Standard Colors Finish, Add</i>	403.54	
08 91 19 00-0123	EA		60" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,088.27	91.33
			<i>For Flange Frame, Add</i>	90.56	
			<i>For Clear Lacquer Finish, Add</i>	181.12	
			<i>For Baked Enamel Standard Colors, Add</i>	271.68	
			<i>For Anodized Finish, Add</i>	362.24	
			<i>For Kynar® Standard Colors Finish, Add</i>	498.07	
08 91 19 00-0124	EA		60" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,264.33	102.75
			<i>For Flange Frame, Add</i>	105.88	
			<i>For Clear Lacquer Finish, Add</i>	211.76	
			<i>For Baked Enamel Standard Colors, Add</i>	317.64	
			<i>For Anodized Finish, Add</i>	423.52	
			<i>For Kynar® Standard Colors Finish, Add</i>	582.35	
08 91 19 00-0125	EA		60" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,462.36	108.46
			<i>For Flange Frame, Add</i>	124.54	
			<i>For Clear Lacquer Finish, Add</i>	249.09	
			<i>For Baked Enamel Standard Colors, Add</i>	373.63	
			<i>For Anodized Finish, Add</i>	498.17	
			<i>For Kynar® Standard Colors Finish, Add</i>	684.99	
08 91 19 00-0126	EA		60" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,708.33	117.03
			<i>For Flange Frame, Add</i>	147.43	
			<i>For Clear Lacquer Finish, Add</i>	294.86	
			<i>For Baked Enamel Standard Colors, Add</i>	442.28	
			<i>For Anodized Finish, Add</i>	589.71	
			<i>For Kynar® Standard Colors Finish, Add</i>	810.85	
08 91 19 00-0127	EA		60" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,891.64	122.73
			<i>For Flange Frame, Add</i>	164.62	
			<i>For Clear Lacquer Finish, Add</i>	329.23	
			<i>For Baked Enamel Standard Colors, Add</i>	493.85	
			<i>For Anodized Finish, Add</i>	658.47	
			<i>For Kynar® Standard Colors Finish, Add</i>	905.39	
08 91 19 00-0128	EA		60" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,053.15	131.30
			<i>For Flange Frame, Add</i>	179.06	
			<i>For Clear Lacquer Finish, Add</i>	358.11	
			<i>For Baked Enamel Standard Colors, Add</i>	537.17	
			<i>For Anodized Finish, Add</i>	716.22	
			<i>For Kynar® Standard Colors Finish, Add</i>	984.80	
08 91 19 00-0129	EA		60" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,295.19	139.86
			<i>For Flange Frame, Add</i>	201.55	
			<i>For Clear Lacquer Finish, Add</i>	403.09	
			<i>For Baked Enamel Standard Colors, Add</i>	604.64	
			<i>For Anodized Finish, Add</i>	806.19	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,108.51	

**08 Openings****08 90 Louvers and Vents****08 91 Louvers**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT  
UNIT COSTDEMOLITION  
UNIT COST

08 91 19 00-0130	EA	60" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	2,466.53	148.43
		Note: Includes bird screen.		
		For Flange Frame, Add	216.97	
		For Clear Lacquer Finish, Add	433.94	
		For Baked Enamel Standard Colors, Add	650.90	
		For Anodized Finish, Add	867.87	
		For Kynar® Standard Colors Finish, Add	1,193.32	
08 91 19 00-0131	EA	60" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	2,723.32	156.99
		Note: Includes bird screen.		
		For Flange Frame, Add	240.93	
		For Clear Lacquer Finish, Add	481.87	
		For Baked Enamel Standard Colors, Add	722.80	
		For Anodized Finish, Add	963.74	
		For Kynar® Standard Colors Finish, Add	1,325.14	
08 91 19 00-0132	EA	60" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	2,886.00	162.70
		Note: Includes bird screen.		
		For Flange Frame, Add	256.06	
		For Clear Lacquer Finish, Add	512.12	
		For Baked Enamel Standard Colors, Add	768.18	
		For Anodized Finish, Add	1,024.24	
		For Kynar® Standard Colors Finish, Add	1,408.33	
08 91 19 00-0133	EA	60" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	3,071.25	168.41
		Note: Includes bird screen.		
		For Flange Frame, Add	273.44	
		For Clear Lacquer Finish, Add	546.89	
		For Baked Enamel Standard Colors, Add	820.33	
		For Anodized Finish, Add	1,093.78	
		For Kynar® Standard Colors Finish, Add	1,503.94	
08 91 19 00-0134	EA	60" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	3,252.60	174.12
		Note: Includes bird screen.		
		For Flange Frame, Add	290.44	
		For Clear Lacquer Finish, Add	580.87	
		For Baked Enamel Standard Colors, Add	871.31	
		For Anodized Finish, Add	1,161.75	
		For Kynar® Standard Colors Finish, Add	1,597.40	
08 91 19 00-0135	EA	60" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	3,406.43	179.82
		Note: Includes bird screen.		
		For Flange Frame, Add	304.68	
		For Clear Lacquer Finish, Add	609.36	
		For Baked Enamel Standard Colors, Add	914.03	
		For Anodized Finish, Add	1,218.71	
		For Kynar® Standard Colors Finish, Add	1,675.73	
08 91 19 00-0136	EA	60" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	3,662.41	185.53
		Note: Includes bird screen.		
		For Flange Frame, Add	329.14	
		For Clear Lacquer Finish, Add	658.27	
		For Baked Enamel Standard Colors, Add	987.41	
		For Anodized Finish, Add	1,316.54	
		For Kynar® Standard Colors Finish, Add	1,810.24	
08 91 19 00-0137	EA	66" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	1,016.32	79.92
		Note: Includes bird screen.		
		For Flange Frame, Add	85.65	
		For Clear Lacquer Finish, Add	171.30	
		For Baked Enamel Standard Colors, Add	256.94	
		For Anodized Finish, Add	342.59	
		For Kynar® Standard Colors Finish, Add	471.06	
08 91 19 00-0138	EA	66" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	1,256.84	97.04
		Note: Includes bird screen.		
		For Flange Frame, Add	106.27	
		For Clear Lacquer Finish, Add	212.55	
		For Baked Enamel Standard Colors, Add	318.82	
		For Anodized Finish, Add	425.10	
		For Kynar® Standard Colors Finish, Add	584.51	
08 91 19 00-0139	EA	66" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,464.93	114.17
		Note: Includes bird screen.		
		For Flange Frame, Add	123.66	
		For Clear Lacquer Finish, Add	247.32	
		For Baked Enamel Standard Colors, Add	370.98	
		For Anodized Finish, Add	494.64	
		For Kynar® Standard Colors Finish, Add	680.12	
08 91 19 00-0140	EA	66" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	1,680.65	119.88
		Note: Includes bird screen.		
		For Flange Frame, Add	144.09	
		For Clear Lacquer Finish, Add	288.18	
		For Baked Enamel Standard Colors, Add	432.27	
		For Anodized Finish, Add	576.36	
		For Kynar® Standard Colors Finish, Add	792.49	
08 91 19 00-0141	EA	66" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,967.08	125.59
		Note: Includes bird screen.		
		For Flange Frame, Add	171.59	
		For Clear Lacquer Finish, Add	343.18	
		For Baked Enamel Standard Colors, Add	514.77	
		For Anodized Finish, Add	686.36	
		For Kynar® Standard Colors Finish, Add	943.75	
08 91 19 00-0142	EA	66" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	2,167.09	131.30
		Note: Includes bird screen.		
		For Flange Frame, Add	190.45	
		For Clear Lacquer Finish, Add	380.90	
		For Baked Enamel Standard Colors, Add	571.35	
		For Anodized Finish, Add	761.80	
		For Kynar® Standard Colors Finish, Add	1,047.47	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0143	EA		66" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	2,360.02	139.86
			Note: Includes bird screen.		
			For Flange Frame, Add	208.03	
			For Clear Lacquer Finish, Add	416.06	
			For Baked Enamel Standard Colors, Add	624.09	
			For Anodized Finish, Add	832.12	
			For Kynar® Standard Colors Finish, Add	1,144.17	
08 91 19 00-0144	EA		66" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	2,586.36	148.43
			Note: Includes bird screen.		
			For Flange Frame, Add	228.95	
			For Clear Lacquer Finish, Add	457.90	
			For Baked Enamel Standard Colors, Add	686.85	
			For Anodized Finish, Add	915.80	
			For Kynar® Standard Colors Finish, Add	1,259.23	
08 91 19 00-0145	EA		66" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	2,778.32	156.99
			Note: Includes bird screen.		
			For Flange Frame, Add	246.43	
			For Clear Lacquer Finish, Add	492.87	
			For Baked Enamel Standard Colors, Add	739.30	
			For Anodized Finish, Add	985.74	
			For Kynar® Standard Colors Finish, Add	1,355.39	
08 91 19 00-0146	EA		66" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	3,073.22	168.41
			Note: Includes bird screen.		
			For Flange Frame, Add	273.64	
			For Clear Lacquer Finish, Add	547.28	
			For Baked Enamel Standard Colors, Add	820.92	
			For Anodized Finish, Add	1,094.56	
			For Kynar® Standard Colors Finish, Add	1,505.03	
08 91 19 00-0147	EA		66" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	3,258.31	176.97
			Note: Includes bird screen.		
			For Flange Frame, Add	290.44	
			For Clear Lacquer Finish, Add	580.87	
			For Baked Enamel Standard Colors, Add	871.31	
			For Anodized Finish, Add	1,161.75	
			For Kynar® Standard Colors Finish, Add	1,597.40	
08 91 19 00-0148	EA		66" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	3,454.37	182.68
			Note: Includes bird screen.		
			For Flange Frame, Add	308.90	
			For Clear Lacquer Finish, Add	617.80	
			For Baked Enamel Standard Colors, Add	926.71	
			For Anodized Finish, Add	1,235.61	
			For Kynar® Standard Colors Finish, Add	1,698.96	
08 91 19 00-0149	EA		66" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	3,654.37	188.39
			Note: Includes bird screen.		
			For Flange Frame, Add	327.76	
			For Clear Lacquer Finish, Add	655.52	
			For Baked Enamel Standard Colors, Add	983.28	
			For Anodized Finish, Add	1,311.04	
			For Kynar® Standard Colors Finish, Add	1,802.68	
08 91 19 00-0150	EA		66" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	3,827.84	194.10
			Note: Includes bird screen.		
			For Flange Frame, Add	343.97	
			For Clear Lacquer Finish, Add	687.93	
			For Baked Enamel Standard Colors, Add	1,031.90	
			For Anodized Finish, Add	1,375.86	
			For Kynar® Standard Colors Finish, Add	1,891.81	
08 91 19 00-0151	EA		66" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	4,113.30	199.81
			Note: Includes bird screen.		
			For Flange Frame, Add	371.37	
			For Clear Lacquer Finish, Add	742.74	
			For Baked Enamel Standard Colors, Add	1,114.11	
			For Anodized Finish, Add	1,485.48	
			For Kynar® Standard Colors Finish, Add	2,042.54	
08 91 19 00-0152	EA		72" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	1,072.92	85.63
			Note: Includes bird screen.		
			For Flange Frame, Add	90.17	
			For Clear Lacquer Finish, Add	180.33	
			For Baked Enamel Standard Colors, Add	270.50	
			For Anodized Finish, Add	360.66	
			For Kynar® Standard Colors Finish, Add	495.91	
08 91 19 00-0153	EA		72" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	1,325.23	102.75
			Note: Includes bird screen.		
			For Flange Frame, Add	111.97	
			For Clear Lacquer Finish, Add	223.94	
			For Baked Enamel Standard Colors, Add	335.91	
			For Anodized Finish, Add	447.88	
			For Kynar® Standard Colors Finish, Add	615.84	
08 91 19 00-0154	EA		72" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,544.12	119.88
			Note: Includes bird screen.		
			For Flange Frame, Add	130.44	
			For Clear Lacquer Finish, Add	260.87	
			For Baked Enamel Standard Colors, Add	391.31	
			For Anodized Finish, Add	521.74	
			For Kynar® Standard Colors Finish, Add	717.40	
08 91 19 00-0155	EA		72" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	1,778.32	128.44
			Note: Includes bird screen.		
			For Flange Frame, Add	152.14	
			For Clear Lacquer Finish, Add	304.29	
			For Baked Enamel Standard Colors, Add	456.43	
			For Anodized Finish, Add	608.57	
			For Kynar® Standard Colors Finish, Add	836.79	

**08 Openings**  
**08 90 Louvers and Vents**  
**08 91 Louvers**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 91 19 00-0156	EA	72" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	2,085.37	134.15
		Note: Includes bird screen.		
		For Flange Frame, Add	181.71	
		For Clear Lacquer Finish, Add	363.41	
		For Baked Enamel Standard Colors, Add	545.12	
		For Anodized Finish, Add	726.83	
		For Kynar® Standard Colors Finish, Add	999.39	
08 91 19 00-0157	EA	72" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	2,296.18	139.86
		Note: Includes bird screen.		
		For Flange Frame, Add	201.65	
		For Clear Lacquer Finish, Add	403.29	
		For Baked Enamel Standard Colors, Add	604.94	
		For Anodized Finish, Add	806.58	
		For Kynar® Standard Colors Finish, Add	1,109.05	
08 91 19 00-0158	EA	72" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	2,501.89	148.43
		Note: Includes bird screen.		
		For Flange Frame, Add	220.50	
		For Clear Lacquer Finish, Add	441.01	
		For Baked Enamel Standard Colors, Add	661.51	
		For Anodized Finish, Add	882.02	
		For Kynar® Standard Colors Finish, Add	1,212.77	
08 91 19 00-0159	EA	72" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	2,735.29	154.13
		Note: Includes bird screen.		
		For Flange Frame, Add	242.70	
		For Clear Lacquer Finish, Add	485.40	
		For Baked Enamel Standard Colors, Add	728.11	
		For Anodized Finish, Add	970.81	
		For Kynar® Standard Colors Finish, Add	1,334.86	
08 91 19 00-0160	EA	72" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	2,936.09	162.70
		Note: Includes bird screen.		
		For Flange Frame, Add	261.07	
		For Clear Lacquer Finish, Add	522.14	
		For Baked Enamel Standard Colors, Add	783.21	
		For Anodized Finish, Add	1,044.28	
		For Kynar® Standard Colors Finish, Add	1,435.88	
08 91 19 00-0161	EA	72" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	3,258.31	176.97
		Note: Includes bird screen.		
		For Flange Frame, Add	290.44	
		For Clear Lacquer Finish, Add	580.87	
		For Baked Enamel Standard Colors, Add	871.31	
		For Anodized Finish, Add	1,161.75	
		For Kynar® Standard Colors Finish, Add	1,597.40	
08 91 19 00-0162	EA	72" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	3,462.04	185.53
		Note: Includes bird screen.		
		For Flange Frame, Add	309.10	
		For Clear Lacquer Finish, Add	618.20	
		For Baked Enamel Standard Colors, Add	927.29	
		For Anodized Finish, Add	1,236.39	
		For Kynar® Standard Colors Finish, Add	1,700.04	
08 91 19 00-0163	EA	72" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	3,664.01	191.24
		Note: Includes bird screen.		
		For Flange Frame, Add	328.15	
		For Clear Lacquer Finish, Add	656.31	
		For Baked Enamel Standard Colors, Add	984.46	
		For Anodized Finish, Add	1,312.61	
		For Kynar® Standard Colors Finish, Add	1,804.84	
08 91 19 00-0164	EA	72" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	3,868.91	196.95
		Note: Includes bird screen.		
		For Flange Frame, Add	347.50	
		For Clear Lacquer Finish, Add	695.00	
		For Baked Enamel Standard Colors, Add	1,042.51	
		For Anodized Finish, Add	1,390.01	
		For Kynar® Standard Colors Finish, Add	1,911.26	
08 91 19 00-0165	EA	72" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	4,061.06	202.66
		Note: Includes bird screen.		
		For Flange Frame, Add	365.58	
		For Clear Lacquer Finish, Add	731.15	
		For Baked Enamel Standard Colors, Add	1,096.73	
		For Anodized Finish, Add	1,462.30	
		For Kynar® Standard Colors Finish, Add	2,010.66	
08 91 19 00-0166	EA	72" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	4,365.17	208.37
		Note: Includes bird screen.		
		For Flange Frame, Add	394.84	
		For Clear Lacquer Finish, Add	789.69	
		For Baked Enamel Standard Colors, Add	1,184.53	
		For Anodized Finish, Add	1,579.38	
		For Kynar® Standard Colors Finish, Add	2,171.64	
08 91 19 00-0167	EA	78" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	1,141.31	91.33
		Note: Includes bird screen.		
		For Flange Frame, Add	95.86	
		For Clear Lacquer Finish, Add	191.73	
		For Baked Enamel Standard Colors, Add	287.59	
		For Anodized Finish, Add	383.45	
		For Kynar® Standard Colors Finish, Add	527.25	
08 91 19 00-0168	EA	78" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	1,400.48	108.46
		Note: Includes bird screen.		
		For Flange Frame, Add	118.36	
		For Clear Lacquer Finish, Add	236.71	
		For Baked Enamel Standard Colors, Add	355.07	
		For Anodized Finish, Add	473.42	
		For Kynar® Standard Colors Finish, Add	650.95	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0169	EA		78" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,624.30	125.99
			<i>For Flange Frame, Add</i>	137.31	
			<i>For Clear Lacquer Finish, Add</i>	274.62	
			<i>For Baked Enamel Standard Colors, Add</i>	411.94	
			<i>For Anodized Finish, Add</i>	549.25	
			<i>For Kynar® Standard Colors Finish, Add</i>	755.22	
08 91 19 00-0170	EA		78" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,874.20	134.15
			<i>For Flange Frame, Add</i>	160.59	
			<i>For Clear Lacquer Finish, Add</i>	321.18	
			<i>For Baked Enamel Standard Colors, Add</i>	481.77	
			<i>For Anodized Finish, Add</i>	642.36	
			<i>For Kynar® Standard Colors Finish, Add</i>	883.25	
08 91 19 00-0171	EA		78" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,198.94	139.86
			<i>For Flange Frame, Add</i>	191.92	
			<i>For Clear Lacquer Finish, Add</i>	383.84	
			<i>For Baked Enamel Standard Colors, Add</i>	575.77	
			<i>For Anodized Finish, Add</i>	767.69	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,055.57	
08 91 19 00-0172	EA		78" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,418.59	145.57
			<i>For Flange Frame, Add</i>	212.75	
			<i>For Clear Lacquer Finish, Add</i>	425.49	
			<i>For Baked Enamel Standard Colors, Add</i>	638.24	
			<i>For Anodized Finish, Add</i>	850.98	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,170.10	
08 91 19 00-0173	EA		78" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,639.03	154.13
			<i>For Flange Frame, Add</i>	233.08	
			<i>For Clear Lacquer Finish, Add</i>	466.15	
			<i>For Baked Enamel Standard Colors, Add</i>	699.23	
			<i>For Anodized Finish, Add</i>	932.30	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,281.92	
08 91 19 00-0174	EA		78" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,886.18	159.84
			<i>For Flange Frame, Add</i>	256.65	
			<i>For Clear Lacquer Finish, Add</i>	513.30	
			<i>For Baked Enamel Standard Colors, Add</i>	769.95	
			<i>For Anodized Finish, Add</i>	1,026.60	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,411.57	
08 91 19 00-0175	EA		78" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	3,101.70	168.41
			<i>For Flange Frame, Add</i>	276.49	
			<i>For Clear Lacquer Finish, Add</i>	552.98	
			<i>For Baked Enamel Standard Colors, Add</i>	829.47	
			<i>For Anodized Finish, Add</i>	1,105.96	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,520.69	
08 91 19 00-0176	EA		78" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	3,444.55	182.68
			<i>For Flange Frame, Add</i>	307.92	
			<i>For Clear Lacquer Finish, Add</i>	615.84	
			<i>For Baked Enamel Standard Colors, Add</i>	923.76	
			<i>For Anodized Finish, Add</i>	1,231.68	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,693.56	
08 91 19 00-0177	EA		78" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	3,658.12	191.24
			<i>For Flange Frame, Add</i>	327.56	
			<i>For Clear Lacquer Finish, Add</i>	655.13	
			<i>For Baked Enamel Standard Colors, Add</i>	982.69	
			<i>For Anodized Finish, Add</i>	1,310.26	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,801.60	
08 91 19 00-0178	EA		78" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	3,881.50	199.81
			<i>For Flange Frame, Add</i>	348.19	
			<i>For Clear Lacquer Finish, Add</i>	696.38	
			<i>For Baked Enamel Standard Colors, Add</i>	1,044.57	
			<i>For Anodized Finish, Add</i>	1,392.76	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,915.05	
08 91 19 00-0179	EA		78" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	4,086.41	205.52
			<i>For Flange Frame, Add</i>	367.54	
			<i>For Clear Lacquer Finish, Add</i>	735.08	
			<i>For Baked Enamel Standard Colors, Add</i>	1,102.62	
			<i>For Anodized Finish, Add</i>	1,470.16	
			<i>For Kynar® Standard Colors Finish, Add</i>	2,021.46	
08 91 19 00-0180	EA		78" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	4,291.33	211.22
			<i>For Flange Frame, Add</i>	386.89	
			<i>For Clear Lacquer Finish, Add</i>	773.78	
			<i>For Baked Enamel Standard Colors, Add</i>	1,160.67	
			<i>For Anodized Finish, Add</i>	1,547.56	
			<i>For Kynar® Standard Colors Finish, Add</i>	2,127.89	
08 91 19 00-0181	EA		78" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	4,615.09	216.93
			<i>For Flange Frame, Add</i>	418.12	
			<i>For Clear Lacquer Finish, Add</i>	836.25	
			<i>For Baked Enamel Standard Colors, Add</i>	1,254.37	
			<i>For Anodized Finish, Add</i>	1,672.49	
			<i>For Kynar® Standard Colors Finish, Add</i>	2,299.68	

**08 Openings**  
**08 90 Louvers and Vents**  
**08 91 Louvers**

MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 91 19 00-0182	EA	84" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	1,196.93	97.04
		Note: Includes bird screen.		
		For Flange Frame, Add	100.28	
		For Clear Lacquer Finish, Add	200.57	
		For Baked Enamel Standard Colors, Add	300.85	
		For Anodized Finish, Add	401.13	
		For Kynar® Standard Colors Finish, Add	551.56	
08 91 19 00-0183	EA	84" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	1,466.89	114.17
		Note: Includes bird screen.		
		For Flange Frame, Add	123.86	
		For Clear Lacquer Finish, Add	247.71	
		For Baked Enamel Standard Colors, Add	371.57	
		For Anodized Finish, Add	495.42	
		For Kynar® Standard Colors Finish, Add	681.20	
08 91 19 00-0184	EA	84" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	1,714.29	131.30
		Note: Includes bird screen.		
		For Flange Frame, Add	145.17	
		For Clear Lacquer Finish, Add	290.34	
		For Baked Enamel Standard Colors, Add	435.51	
		For Anodized Finish, Add	580.68	
		For Kynar® Standard Colors Finish, Add	798.43	
08 91 19 00-0185	EA	84" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	1,972.05	139.86
		Note: Includes bird screen.		
		For Flange Frame, Add	169.23	
		For Clear Lacquer Finish, Add	338.47	
		For Baked Enamel Standard Colors, Add	507.70	
		For Anodized Finish, Add	676.93	
		For Kynar® Standard Colors Finish, Add	930.78	
08 91 19 00-0186	EA	84" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	2,317.42	145.57
		Note: Includes bird screen.		
		For Flange Frame, Add	202.63	
		For Clear Lacquer Finish, Add	405.26	
		For Baked Enamel Standard Colors, Add	607.88	
		For Anodized Finish, Add	810.51	
		For Kynar® Standard Colors Finish, Add	1,114.45	
08 91 19 00-0187	EA	84" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	2,549.83	151.28
		Note: Includes bird screen.		
		For Flange Frame, Add	224.73	
		For Clear Lacquer Finish, Add	449.45	
		For Baked Enamel Standard Colors, Add	674.18	
		For Anodized Finish, Add	898.91	
		For Kynar® Standard Colors Finish, Add	1,236.00	
08 91 19 00-0188	EA	84" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	2,775.19	159.84
		Note: Includes bird screen.		
		For Flange Frame, Add	245.55	
		For Clear Lacquer Finish, Add	491.10	
		For Baked Enamel Standard Colors, Add	736.65	
		For Anodized Finish, Add	982.20	
		For Kynar® Standard Colors Finish, Add	1,350.53	
08 91 19 00-0189	EA	84" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	3,041.97	165.55
		Note: Includes bird screen.		
		For Flange Frame, Add	271.09	
		For Clear Lacquer Finish, Add	542.17	
		For Baked Enamel Standard Colors, Add	813.26	
		For Anodized Finish, Add	1,084.35	
		For Kynar® Standard Colors Finish, Add	1,490.98	
08 91 19 00-0190	EA	84" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	3,268.31	174.12
		Note: Includes bird screen.		
		For Flange Frame, Add	292.01	
		For Clear Lacquer Finish, Add	584.02	
		For Baked Enamel Standard Colors, Add	876.02	
		For Anodized Finish, Add	1,168.03	
		For Kynar® Standard Colors Finish, Add	1,606.04	
08 91 19 00-0191	EA	84" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	3,631.78	188.39
		Note: Includes bird screen.		
		For Flange Frame, Add	325.50	
		For Clear Lacquer Finish, Add	651.00	
		For Baked Enamel Standard Colors, Add	976.50	
		For Anodized Finish, Add	1,302.00	
		For Kynar® Standard Colors Finish, Add	1,790.26	
08 91 19 00-0192	EA	84" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	3,853.20	196.95
		Note: Includes bird screen.		
		For Flange Frame, Add	345.93	
		For Clear Lacquer Finish, Add	691.86	
		For Baked Enamel Standard Colors, Add	1,037.79	
		For Anodized Finish, Add	1,383.72	
		For Kynar® Standard Colors Finish, Add	1,902.62	
08 91 19 00-0193	EA	84" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	4,096.23	205.52
		Note: Includes bird screen.		
		For Flange Frame, Add	368.52	
		For Clear Lacquer Finish, Add	737.04	
		For Baked Enamel Standard Colors, Add	1,105.56	
		For Anodized Finish, Add	1,474.08	
		For Kynar® Standard Colors Finish, Add	2,026.87	
08 91 19 00-0194	EA	84" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	4,356.15	211.22
		Note: Includes bird screen.		
		For Flange Frame, Add	393.37	
		For Clear Lacquer Finish, Add	786.74	
		For Baked Enamel Standard Colors, Add	1,180.11	
		For Anodized Finish, Add	1,573.48	
		For Kynar® Standard Colors Finish, Add	2,163.54	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0195	EA		84" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	4,590.53	216.93
			<i>For Flange Frame, Add</i>	415.67	
			<i>For Clear Lacquer Finish, Add</i>	831.33	
			<i>For Baked Enamel Standard Colors, Add</i>	1,247.00	
			<i>For Anodized Finish, Add</i>	1,662.67	
			<i>For Kynar® Standard Colors Finish, Add</i>	2,286.17	
08 91 19 00-0196	EA		84" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	4,938.84	222.63
			<i>For Flange Frame, Add</i>	449.36	
			<i>For Clear Lacquer Finish, Add</i>	898.71	
			<i>For Baked Enamel Standard Colors, Add</i>	1,348.07	
			<i>For Anodized Finish, Add</i>	1,797.42	
			<i>For Kynar® Standard Colors Finish, Add</i>	2,471.46	
08 91 19 00-0197	EA		90" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,270.03	105.61
			<i>For Flange Frame, Add</i>	105.88	
			<i>For Clear Lacquer Finish, Add</i>	211.76	
			<i>For Baked Enamel Standard Colors, Add</i>	317.64	
			<i>For Anodized Finish, Add</i>	423.52	
			<i>For Kynar® Standard Colors Finish, Add</i>	582.35	
08 91 19 00-0198	EA		90" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,543.94	122.73
			<i>For Flange Frame, Add</i>	129.85	
			<i>For Clear Lacquer Finish, Add</i>	259.69	
			<i>For Baked Enamel Standard Colors, Add</i>	389.54	
			<i>For Anodized Finish, Add</i>	519.39	
			<i>For Kynar® Standard Colors Finish, Add</i>	714.16	
08 91 19 00-0199	EA		90" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,801.15	139.86
			<i>For Flange Frame, Add</i>	152.14	
			<i>For Clear Lacquer Finish, Add</i>	304.29	
			<i>For Baked Enamel Standard Colors, Add</i>	456.43	
			<i>For Anodized Finish, Add</i>	608.57	
			<i>For Kynar® Standard Colors Finish, Add</i>	836.79	
08 91 19 00-0200	EA		90" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,066.77	148.43
			<i>For Flange Frame, Add</i>	176.99	
			<i>For Clear Lacquer Finish, Add</i>	353.98	
			<i>For Baked Enamel Standard Colors, Add</i>	530.98	
			<i>For Anodized Finish, Add</i>	707.97	
			<i>For Kynar® Standard Colors Finish, Add</i>	973.46	
08 91 19 00-0201	EA		90" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,435.72	154.13
			<i>For Flange Frame, Add</i>	212.75	
			<i>For Clear Lacquer Finish, Add</i>	425.49	
			<i>For Baked Enamel Standard Colors, Add</i>	638.24	
			<i>For Anodized Finish, Add</i>	850.98	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,170.10	
08 91 19 00-0202	EA		90" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,675.99	159.84
			<i>For Flange Frame, Add</i>	235.63	
			<i>For Clear Lacquer Finish, Add</i>	471.26	
			<i>For Baked Enamel Standard Colors, Add</i>	706.89	
			<i>For Anodized Finish, Add</i>	942.52	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,295.97	
08 91 19 00-0203	EA		90" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,905.45	165.55
			<i>For Flange Frame, Add</i>	257.44	
			<i>For Clear Lacquer Finish, Add</i>	514.87	
			<i>For Baked Enamel Standard Colors, Add</i>	772.31	
			<i>For Anodized Finish, Add</i>	1,029.74	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,415.89	
08 91 19 00-0204	EA		90" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	3,186.97	171.26
			<i>For Flange Frame, Add</i>	284.45	
			<i>For Clear Lacquer Finish, Add</i>	568.89	
			<i>For Baked Enamel Standard Colors, Add</i>	853.34	
			<i>For Anodized Finish, Add</i>	1,137.78	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,564.45	
08 91 19 00-0205	EA		90" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	3,425.10	179.82
			<i>For Flange Frame, Add</i>	306.55	
			<i>For Clear Lacquer Finish, Add</i>	613.09	
			<i>For Baked Enamel Standard Colors, Add</i>	919.64	
			<i>For Anodized Finish, Add</i>	1,226.18	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,686.00	
08 91 19 00-0206	EA		90" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	3,809.18	194.10
			<i>For Flange Frame, Add</i>	342.10	
			<i>For Clear Lacquer Finish, Add</i>	684.20	
			<i>For Baked Enamel Standard Colors, Add</i>	1,026.30	
			<i>For Anodized Finish, Add</i>	1,368.40	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,881.55	
08 91 19 00-0207	EA		90" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	4,040.43	202.66
			<i>For Flange Frame, Add</i>	363.51	
			<i>For Clear Lacquer Finish, Add</i>	727.02	
			<i>For Baked Enamel Standard Colors, Add</i>	1,090.54	
			<i>For Anodized Finish, Add</i>	1,454.05	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,999.32	

**08 Openings****08 90 Louvers and Vents****08 91 Louvers**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0208	EA	90" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	4,305.08  388.26 776.53 1,164.79 1,553.06 2,135.45	211.22
08 91	19 00-0209	EA	90" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	4,580.71  414.69 829.37 1,244.06 1,658.74 2,280.77	216.93
08 91	19 00-0210	EA	90" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	4,814.89  436.39 872.78 1,309.17 1,745.56 2,400.15	225.49
08 91	19 00-0211	EA	90" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	5,183.84  472.14 944.29 1,416.43 1,888.58 2,596.79	231.20
08 91	19 00-0212	EA	96" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,333.32  110.50 221.00 331.49 441.99 607.74	114.17
08 91	19 00-0213	EA	96" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,617.05  135.45 270.89 406.34 541.78 744.95	131.30
08 91	19 00-0214	EA	96" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,887.03  159.02 318.04 477.05 636.07 874.60	148.43
08 91	19 00-0215	EA	96" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,167.39  185.34 370.68 556.02 741.36 1,019.38	156.99
08 91	19 00-0216	EA	96" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,548.12  222.27 444.54 666.82 889.09 1,222.50	162.70
08 91	19 00-0217	EA	96" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,828.65  249.18 498.37 747.55 996.74 1,370.51	168.41
08 91	19 00-0218	EA	96" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,072.85  272.46 544.92 817.39 1,089.85 1,498.54	174.12
08 91	19 00-0219	EA	96" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,340.63  298.10 596.20 894.29 1,192.39 1,639.54	179.82
08 91	19 00-0220	EA	96" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,588.75  321.77 643.54 965.31 1,287.08 1,769.73	185.53

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 91 19 00-0221	EA		96" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	4,001.33	199.81
			<i>For Flange Frame, Add</i>	360.17	
			<i>For Clear Lacquer Finish, Add</i>	720.35	
			<i>For Baked Enamel Standard Colors, Add</i>	1,080.52	
			<i>For Anodized Finish, Add</i>	1,440.69	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,980.95	
08 91 19 00-0222	EA		96" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	3,183.59	208.37
			<i>For Flange Frame, Add</i>	276.69	
			<i>For Clear Lacquer Finish, Add</i>	553.37	
			<i>For Baked Enamel Standard Colors, Add</i>	830.06	
			<i>For Anodized Finish, Add</i>	1,106.74	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,521.77	
08 91 19 00-0223	EA		96" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	4,510.97	216.93
			<i>For Flange Frame, Add</i>	407.71	
			<i>For Clear Lacquer Finish, Add</i>	815.42	
			<i>For Baked Enamel Standard Colors, Add</i>	1,223.13	
			<i>For Anodized Finish, Add</i>	1,630.84	
			<i>For Kynar® Standard Colors Finish, Add</i>	2,242.41	
08 91 19 00-0224	EA		96" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	4,796.43	222.63
			<i>For Flange Frame, Add</i>	435.12	
			<i>For Clear Lacquer Finish, Add</i>	870.23	
			<i>For Baked Enamel Standard Colors, Add</i>	1,305.35	
			<i>For Anodized Finish, Add</i>	1,740.46	
			<i>For Kynar® Standard Colors Finish, Add</i>	2,393.13	
08 91 19 00-0225	EA		96" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	5,042.40	231.20
			<i>For Flange Frame, Add</i>	458.00	
			<i>For Clear Lacquer Finish, Add</i>	916.00	
			<i>For Baked Enamel Standard Colors, Add</i>	1,374.00	
			<i>For Anodized Finish, Add</i>	1,832.00	
			<i>For Kynar® Standard Colors Finish, Add</i>	2,519.00	
08 91 19 00-0226	EA		96" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	5,439.64	239.76
			<i>For Flange Frame, Add</i>	496.01	
			<i>For Clear Lacquer Finish, Add</i>	992.02	
			<i>For Baked Enamel Standard Colors, Add</i>	1,488.03	
			<i>For Anodized Finish, Add</i>	1,984.04	
			<i>For Kynar® Standard Colors Finish, Add</i>	2,728.06	

08 91 19 00-0227			<b>Gable Louver Vents</b> <small>(08 91 19)</small> Note: 1" deep, residential/light commercial grade louvers.		
08 91 19 00-0228			<b>Aluminum Gable Louver Vents</b> <small>(08 91 19 00-0227)</small> Note: Includes screen.		
08 91 19 00-0229			<b>Rectangular Aluminum Gable Louver Vents</b> <small>(08 91 19 00-0228)</small> Note: Includes screen.		
08 91 19 00-0230	EA		12" x 18" Rectangular Fixed Aluminum Gable Louver Vent.....	222.92	10.56
08 91 19 00-0231	EA		12" x 24" Rectangular Fixed Aluminum Gable Louver Vent.....	243.99	12.12
08 91 19 00-0232	EA		18" x 24" Rectangular Fixed Aluminum Gable Louver Vent.....	281.43	13.69
08 91 19 00-0233	EA		18" x 30" Rectangular Fixed Aluminum Gable Louver Vent.....	308.56	14.55
08 91 19 00-0234	EA		24" x 30" Rectangular Fixed Aluminum Gable Louver Vent.....	352.05	15.41
08 91 19 00-0235	EA		24" x 36" Rectangular Fixed Aluminum Gable Louver Vent.....	394.04	18.48
08 91 19 00-0236	EA		30" x 36" Rectangular Fixed Aluminum Gable Louver Vent.....	457.03	23.10
08 91 19 00-0237	EA		30" x 42" Rectangular Fixed Aluminum Gable Louver Vent.....	509.52	26.95
08 91 19 00-0238	EA		36" x 42" Rectangular Fixed Aluminum Gable Louver Vent.....	583.00	32.34
08 91 19 00-0239	EA		42" x 48" Rectangular Fixed Aluminum Gable Louver Vent.....	729.95	43.12
08 91 19 00-0240			<b>Square Aluminum Gable Louver Vents</b> <small>(08 91 19 00-0228)</small> Note: Includes screen.		
08 91 19 00-0241	EA		12" x 12" Square Fixed Aluminum Gable Louver Vent .....	204.05	9.72
08 91 19 00-0242	EA		18" x 18" Square Fixed Aluminum Gable Louver Vent .....	252.76	12.32
08 91 19 00-0243	EA		24" x 24" Square Fixed Aluminum Gable Louver Vent .....	316.73	14.54
08 91 19 00-0244	EA		30" x 30" Square Fixed Aluminum Gable Louver Vent .....	404.54	19.25
08 91 19 00-0245	EA		36" x 36" Square Fixed Aluminum Gable Louver Vent .....	520.01	27.73
08 91 19 00-0246	EA		42" x 42" Square Fixed Aluminum Gable Louver Vent .....	656.39	37.71
08 91 19 00-0247	EA		48" x 48" Square Fixed Aluminum Gable Louver Vent .....	813.94	49.28
08 91 19 00-0248			<b>Round Aluminum Gable Louver Vents</b> <small>(08 91 19 00-0228)</small> Note: Includes screen.		
08 91 19 00-0249	EA		12" Diameter Round Fixed Aluminum Gable Louver Vent.....	204.05	9.72
08 91 19 00-0250	EA		18" Diameter Round Fixed Aluminum Gable Louver Vent.....	252.76	12.32
08 91 19 00-0251	EA		24" Diameter Round Fixed Aluminum Gable Louver Vent.....	316.73	14.54
08 91 19 00-0252	EA		30" Diameter Round Fixed Aluminum Gable Louver Vent.....	404.54	19.25
08 91 19 00-0253	EA		36" Diameter Round Fixed Aluminum Gable Louver Vent.....	520.01	27.73
08 91 19 00-0254	EA		42" Diameter Round Fixed Aluminum Gable Louver Vent.....	656.48	37.73
08 91 19 00-0255			<b>Octagonal Aluminum Gable Louver Vents</b> <small>(08 91 19 00-0228)</small> Note: Includes screen.		
08 91 19 00-0256	EA		12" x 12" Octagonal Fixed Aluminum Gable Louver Vent.....	204.05	9.72
08 91 19 00-0257	EA		12" x 18" Octagonal Fixed Aluminum Gable Louver Vent.....	222.92	10.56

**08 Openings**  
**08 90 Louvers and Vents**  
**08 91 Louvers**

MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 91 19 00-0258	EA	12" x 24" Octagonal Fixed Aluminum Gable Louver Vent.....	243.99	12.12
08 91 19 00-0259	EA	18" x 18" Octagonal Fixed Aluminum Gable Louver Vent.....	252.76	12.32
08 91 19 00-0260	EA	18" x 24" Octagonal Fixed Aluminum Gable Louver Vent.....	281.43	13.69
08 91 19 00-0261	EA	18" x 30" Octagonal Fixed Aluminum Gable Louver Vent.....	308.56	14.55
08 91 19 00-0262	EA	24" x 24" Octagonal Fixed Aluminum Gable Louver Vent.....	316.73	14.54
08 91 19 00-0263	EA	24" x 30" Octagonal Fixed Aluminum Gable Louver Vent.....	352.05	15.41
08 91 19 00-0264	EA	24" x 36" Octagonal Fixed Aluminum Gable Louver Vent.....	394.04	18.48
08 91 19 00-0265	EA	30" x 30" Octagonal Fixed Aluminum Gable Louver Vent.....	404.54	19.25
08 91 19 00-0266	EA	30" x 36" Octagonal Fixed Aluminum Gable Louver Vent.....	457.03	23.10
08 91 19 00-0267	EA	30" x 42" Octagonal Fixed Aluminum Gable Louver Vent.....	509.52	26.95
08 91 19 00-0268	EA	36" x 36" Octagonal Fixed Aluminum Gable Louver Vent.....	520.01	27.73
08 91 19 00-0269	EA	36" x 42" Octagonal Fixed Aluminum Gable Louver Vent.....	583.00	32.34
08 91 19 00-0270	EA	36" x 48" Octagonal Fixed Aluminum Gable Louver Vent.....	645.98	36.96
08 91 19 00-0271	EA	42" x 42" Octagonal Fixed Aluminum Gable Louver Vent.....	656.48	37.73
08 91 19 00-0272	EA	42" x 48" Octagonal Fixed Aluminum Gable Louver Vent.....	729.95	43.12
08 91 19 00-0273	EA	48" x 48" Octagonal Fixed Aluminum Gable Louver Vent.....	813.94	49.28

**08 91 19 00-0274 Round Top Aluminum Gable Louver Vents (08 91 19 00-0228)**

Note: Includes screen.

08 91 19 00-0275	EA	12" x 12" Round Top Fixed Aluminum Gable Louver Vent.....	204.05	9.72
08 91 19 00-0276	EA	12" x 18" Round Top Fixed Aluminum Gable Louver Vent.....	222.92	10.56
08 91 19 00-0277	EA	12" x 24" Round Top Fixed Aluminum Gable Louver Vent.....	243.99	12.12
08 91 19 00-0278	EA	18" x 18" Round Top Fixed Aluminum Gable Louver Vent.....	252.76	12.32
08 91 19 00-0279	EA	18" x 24" Round Top Fixed Aluminum Gable Louver Vent.....	281.43	13.69
08 91 19 00-0280	EA	18" x 30" Round Top Fixed Aluminum Gable Louver Vent.....	308.56	14.55
08 91 19 00-0281	EA	24" x 24" Round Top Fixed Aluminum Gable Louver Vent.....	316.73	14.54
08 91 19 00-0282	EA	24" x 30" Round Top Fixed Aluminum Gable Louver Vent.....	352.05	15.41
08 91 19 00-0283	EA	24" x 36" Round Top Fixed Aluminum Gable Louver Vent.....	394.04	18.48
08 91 19 00-0284	EA	30" x 30" Round Top Fixed Aluminum Gable Louver Vent.....	404.54	19.25
08 91 19 00-0285	EA	30" x 36" Round Top Fixed Aluminum Gable Louver Vent.....	457.03	23.10
08 91 19 00-0286	EA	30" x 42" Round Top Fixed Aluminum Gable Louver Vent.....	509.52	26.95
08 91 19 00-0287	EA	36" x 36" Round Top Fixed Aluminum Gable Louver Vent.....	520.01	27.73
08 91 19 00-0288	EA	36" x 42" Round Top Fixed Aluminum Gable Louver Vent.....	583.00	32.34
08 91 19 00-0289	EA	36" x 48" Round Top Fixed Aluminum Gable Louver Vent.....	645.98	36.96
08 91 19 00-0290	EA	42" x 42" Round Top Fixed Aluminum Gable Louver Vent.....	656.48	37.73
08 91 19 00-0291	EA	42" x 48" Round Top Fixed Aluminum Gable Louver Vent.....	729.95	43.12
08 91 19 00-0292	EA	48" x 48" Round Top Fixed Aluminum Gable Louver Vent.....	813.94	49.28

**08 91 19 00-0293 Triangle Aluminum Gable Louver Vents (08 91 19 00-0228)**

Note: Includes screen.

08 91 19 00-0294	EA	36" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	424.07	12.12
08 91 19 00-0295	EA	36" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	480.44	14.54
08 91 19 00-0296	EA	48" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	515.76	15.41
08 91 19 00-0297	EA	48" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	590.49	18.48
08 91 19 00-0298	EA	48" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent.....	658.28	19.25
08 91 19 00-0299	EA	60" Base x 24" High Triangle Fixed Aluminum Gable Louver Vent.....	538.88	23.10
08 91 19 00-0300	EA	60" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	632.30	26.95
08 91 19 00-0301	EA	60" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	716.45	27.73
08 91 19 00-0302	EA	60" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent.....	812.18	32.34
08 91 19 00-0303	EA	72" Base x 24" High Triangle Fixed Aluminum Gable Louver Vent.....	645.98	36.96
08 91 19 00-0304	EA	72" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	746.52	37.73
08 91 19 00-0305	EA	72" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	860.91	43.12
08 91 19 00-0306	EA	72" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent.....	977.64	49.28
08 91 19 00-0307	EA	72" Base x 48" High Triangle Fixed Aluminum Gable Louver Vent.....	1,097.92	56.63

**08 91 19 00-0308 Vinyl Gable Louver Vents (08 91 19 00-0227)**

Note: Includes screen.

08 91 19 00-0309	EA	12" x 12" Square Fixed Vinyl Gable Louver Vent.....	66.99	9.72
08 91 19 00-0310	EA	12" x 18" Rectangular Fixed Vinyl Gable Louver Vent.....	80.86	10.56
08 91 19 00-0311	EA	18" x 24" Rectangular Fixed Vinyl Gable Louver Vent.....	110.27	13.69
08 91 19 00-0312	EA	24" x 30" Rectangular Fixed Vinyl Gable Louver Vent.....	150.76	15.41
08 91 19 00-0313	EA	18" Diameter Round Fixed Vinyl Gable Louver Vent.....	106.68	12.32
08 91 19 00-0314	EA	22" Diameter Round Fixed Vinyl Gable Louver Vent.....	123.30	14.54
08 91 19 00-0315	EA	30" Diameter Round Fixed Vinyl Gable Louver Vent.....	173.77	19.25
08 91 19 00-0316	EA	36" Diameter Round Fixed Vinyl Gable Louver Vent.....	253.91	27.73
08 91 19 00-0317	EA	18" x 18" Octagonal Fixed Vinyl Gable Louver Vent.....	106.68	12.32
08 91 19 00-0318	EA	22" x 22" Octagonal Fixed Vinyl Gable Louver Vent.....	120.74	13.69
08 91 19 00-0319	EA	27" x 27" Octagonal Fixed Vinyl Gable Louver Vent.....	155.59	15.41
08 91 19 00-0320	EA	32" x 32" Octagonal Fixed Vinyl Gable Louver Vent.....	221.06	23.10
08 91 19 00-0321	EA	40" x 40" Octagonal Fixed Vinyl Gable Louver Vent.....	523.88	36.96
08 91 19 00-0322	EA	14" x 22" Round Top Fixed Vinyl Gable Louver Vent.....	104.56	12.12
08 91 19 00-0323	EA	22" x 32" Round Top Fixed Vinyl Gable Louver Vent.....	145.59	15.41
08 91 19 00-0324	EA	34" x 22" Half Round Fixed Vinyl Gable Louver Vent.....	151.07	18.48
08 91 19 00-0325	EA	52" Base x 26" High Triangle Fixed Vinyl Gable Louver Vent.....	345.03	23.10
08 91 19 00-0326	EA	56" Base x 23" High Triangle Fixed Vinyl Gable Louver Vent.....	345.03	23.10
08 91 19 00-0327	EA	56" Base x 26" High Triangle Fixed Vinyl Gable Louver Vent.....	345.03	23.10
08 91 19 00-0328	EA	62" Base x 23" High Triangle Fixed Vinyl Gable Louver Vent.....	345.03	23.10
08 91 19 00-0329	EA	62-1/2" Base x 21" High Triangle Fixed Vinyl Gable Louver Vent.....	345.03	23.10
08 91 19 00-0330	EA	70-1/2" Base x 17" High Triangle Fixed Vinyl Gable Louver Vent.....	386.65	36.96
08 91 19 00-0331	EA	70-1/2" Base x 20-1/2" High Triangle Fixed Vinyl Gable Louver Vent.....	386.65	36.96
08 91 19 00-0332	EA	72-1/2" Base x 18" High Triangle Fixed Vinyl Gable Louver Vent.....	386.65	36.96
08 91 19 00-0333	EA	74" Base x 14-1/2" High Triangle Fixed Vinyl Gable Louver Vent.....	386.65	36.96

<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Louvers and Vents</b>	<b>08 90</b>	
<b>Louvers</b>	<b>08 91</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**08 95 Vents** (08 90)
**08 95 13 Soffit Vents** (08 95)
**08 95 13 00-0001 Aluminum Soffit Vents** (08 95 13)

08 95 13 00-0002	LF	2-1/2" Wide Aluminum Soffit Vent.....	6.87	2.63
08 95 13 00-0003	LF	3" Wide Aluminum Soffit Vent.....	12.65	5.14
08 95 13 00-0004	EA	4" x 16" Under Eave Vent, Mill Finish .....	19.79	6.85
08 95 13 00-0005	EA	8" x 16" Under Eave Vent, Mill Finish .....	20.37	6.85

**08 95 13 00-0006 Vinyl Soffit Vents** (08 95 13)

08 95 13 00-0007	LF	Up To 2" Vinyl Soffit Vent, Perforated, White.....	6.32	2.69
		<i>For Colors, Add</i>	<i>0.10</i>	
08 95 13 00-0008	LF	3" To 4" Vinyl Soffit Vent, Perforated, White.....	6.15	2.69
		<i>For Colors, Add</i>	<i>0.08</i>	

**08 95 16 Wall Vents** (08 95)
**08 95 16 00-0001 Foundation Vents** (08 95 16)

08 95 16 00-0002	SI	Galvanized Steel Foundation Vent .....	0.50	0.20
08 95 16 00-0003	SI	Aluminum Foundation Vent.....	0.72	0.20
08 95 16 00-0004	SI	Stainless Steel Foundation Vent.....	0.88	0.20
08 95 16 00-0005	SI	Plastic Foundation Vent.....	0.54	0.20

**END OF SECTION 08**

**08 Openings**

08 90 Louvers and Vents

08 95 Vents

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 09 Finishes

### 09 01 Maintenance of Finishes (09)

#### 09 01 20 Maintenance of Plaster and Gypsum Board (09 01)

##### 09 01 20 91 Plaster Restoration (09 01 20)

09 01 20 91-0001	Cut And Patch Hole In Gypsum Board To Match Existing <small>(09 01 20 91)</small>	
	Note: Includes cutting of existing gypsum board, cutting new board to fit opening, taping, gypsum board finishing, and disposal of debris into dumpster. Per location. See CSI section 09 29 00 00-0000 for "Gypsum Board" repairs > 16 SF.	
09 01 20 91-0002	SF Up To 2 SF, Cut And Patch Hole In Gypsum Board To Match Existing.....	19.47
	Note: Per location.	
09 01 20 91-0003	SF >2 To 4 SF, Cut And Patch Hole In Gypsum Board To Match Existing .....	15.69
	Note: Per location.	
09 01 20 91-0004	SF >4 To 8 SF, Cut And Patch Hole In Gypsum Board To Match Existing .....	14.07
	Note: Per location.	
09 01 20 91-0005	SF >8 To 16 SF, Cut And Patch Hole In Gypsum Board To Match Existing .....	12.39
	Note: Per location.	

##### 09 01 20 91-0006 Patch/Finish Gypsum Board To Match Existing (09 01 20 91)

09 01 20 91-0007	EA Tape, Spackle And Finish Gypsum Board To Patch/Finish Small Diameter Holes Or Screw Head Pops .....	1.83
	Note: Includes taping, gypsum board finishing. Per location. See CSI section 09 01 20 91-0001 for patching walls requiring gypsum board to be cut and installed.	
	For ASTM C840 Level 1 Finish, Deduct	-0.89
	For ASTM C840 Level 2 Finish, Deduct	-0.45
	For ASTM C840 Level 3 Finish, Deduct	-0.18
	For ASTM C840 Level 5 High Quality Finish, Add	1.36

##### 09 01 20 91-0008 Plaster/Stucco Repair (09 01 20 91)

Note: Per location.

##### 09 01 20 91-0009 Clean And Repair Crack In Plaster/Stucco (09 01 20 91-0008)

Note: Includes plaster weld.

09 01 20 91-0010	LF Up To 10', Chip, Clean And Repair Crack In Plaster/Stucco .....	19.13
09 01 20 91-0011	LF >10' To 50', Chip, Clean And Repair Crack In Plaster/Stucco .....	15.34
09 01 20 91-0012	LF >50' To 100', Chip, Clean And Repair Crack In Plaster/Stucco .....	12.51
09 01 20 91-0013	LF >100' To 250', Chip, Clean And Repair Crack In Plaster/Stucco .....	9.67
09 01 20 91-0014	LF >250' To 500', Chip, Clean And Repair Crack In Plaster/Stucco .....	7.78
09 01 20 91-0015	LF >500', Chip, Clean And Repair Crack In Plaster/Stucco .....	5.89

##### 09 01 20 91-0016 Cut And Patch Hole In Plaster/Stucco To Match Existing (09 01 20 91-0008)

Note: Includes plaster weld.

09 01 20 91-0017	SF Up To 10 SF, Cut And Patch Hole In Plaster To Match Existing.....	18.16
09 01 20 91-0018	SF >10 To 50 SF, Cut And Patch Hole In Plaster To Match Existing .....	16.05
09 01 20 91-0019	SF >50 To 100 SF, Cut And Patch Hole In Plaster To Match Existing .....	14.78
09 01 20 91-0020	SF >100 To 250 SF, Cut And Patch Hole In Plaster To Match Existing .....	13.72
09 01 20 91-0021	SF >250 To 500 SF, Cut And Patch Hole In Plaster To Match Existing .....	12.80
09 01 20 91-0022	SF >500 SF, Cut And Patch Hole In Plaster To Match Existing .....	11.78

##### 09 01 20 91-0023 Chip, Clean And Repair Plaster/Stucco (09 01 20 91-0008)

Note: Includes plaster weld.

09 01 20 91-0024	SF Up To 10 SF, Chip, Clean And Repair Plaster/Stucco.....	34.36
09 01 20 91-0025	SF >10 To 50 SF, Chip, Clean And Repair Plaster/Stucco .....	24.91
09 01 20 91-0026	SF >50 To 250 SF, Chip, Clean And Repair Plaster/Stucco .....	18.29
09 01 20 91-0027	SF >250 SF, Chip, Clean And Repair Plaster/Stucco .....	14.51

#### 09 01 30 Maintenance of Tiling (09 01)

##### 09 01 30 91 Tile Restoration (09 01 30)

09 01 30 91-0001	SF RegROUT Floor Tile Including Removal Of Loose Grout .....	8.29
09 01 30 91-0002	SF RegROUT Wall Tile Including Removal Of Loose Grout .....	10.33
09 01 30 91-0003	SF Up To 1 SF, Cut And Patch Hole In Wall Tile To Match Existing .....	54.84
	Note: Per location.	

#### 09 01 60 Maintenance of Flooring (09 01)

##### 09 01 60 91 Flooring Restoration (09 01 60)

09 01 60 91-0001	Grinding, Polishing And Sealing Terrazzo <small>(09 01 60 91)</small>	
09 01 60 91-0002	CSF Grinding, Polishing And Sealing Existing Terrazzo.....	313.99
09 01 60 91-0003	SF Removal Of Setting Bed And Clean Area For Terrazzo Repair .....	4.77
09 01 60 91-0004	SF Repair Existing Terrazzo.....	22.18
09 01 60 91-0005	LF Repair Cracks In Existing Terrazzo .....	4.95

##### 09 01 60 91-0006 Standard Flooring Maintenance (09 01 60 91)

**09 Finishes**

**09 01 Maintenance of Finishes**

**09 01 60 Maintenance of Flooring**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
09 01 60 91-0007	CSF	Steam Clean Carpet .....	40.56	
09 01 60 91-0008	CSF	Wax And Polish Tile And VCT Flooring .....	44.55	
		<i>For Additional Coat, Add</i>	37.24	
		<i>For Stripping Existing Wax From Floor, Add</i>	42.15	
09 01 60 91-0009	CSF	Wax And Polish Wood Flooring .....	26.97	
		<i>For Additional Coat, Add</i>	23.72	
		<i>For Stripping Existing Wax From Floor, Add</i>	42.15	
09 01 60 91-0010	MSF	Vacuum Floors.....	22.62	
<b>09 01 60 91-0011</b>		<b>Prepare Existing Concrete Floor Prior To Installation Of Flooring (09 01 60 91)</b>		
09 01 60 91-0012	SY	Grinding Of Existing Concrete Floor Prior To Installation Of Flooring.....	9.52	
09 01 60 91-0013	SY	Chemical Prepare Existing Concrete Floor Prior To Installation Of Flooring.....	7.28	
<b>09 01 60 91-0014</b>		<b>Floor Sealants (09 01 60 91)</b>		
09 01 60 91-0015	SF	Water-Based Emulsion, Masonry/Tile/Stone/Terrazzo Floor Sealant/Finish, Per Coat.....	1.29	
		<i>Note: For terrazzo, concrete, quarry tile, brick and unglazed ceramic tile.</i>		
09 01 60 91-0016	SF	Water-Based, Clear Acrylic, Concrete Floor Sealant/Finish, Per Coat.....	1.41	
		<i>Note: For interior/exterior concrete surfaces.</i>		
09 01 60 91-0017	SF	Fluorochemical Acrylate Copolymer Masonry/Tile/Stone/Terrazzo Floor Sealant .....	1.41	
09 01 60 91-0018	GAL	Masonry/Tile/Stone/Terrazzo Floor Sealant (Extra To Be Provided To Owner).....	32.92	
<b>09 01 60 91-0019</b>		<b>Double Stick Tape (09 01 60 91)</b>		
09 01 60 91-0020	SF	Double Stick Tape; DryFix Tape .....	3.90	
<b>09 01 80</b>		<b>Maintenance of Acoustic Treatment (09 01)</b>		
<b>09 01 80 00-0001</b>		<b>Removal Of Acoustical Ceiling Treatment (09 01 80)</b>		
09 01 80 00-0002	SF	Removal Of Acoustical And Popcorn Ceilings Treatment.....	2.39	
<b>09 01 90</b>		<b>Maintenance of Painting and Coating (09 01)</b>		
<b>09 01 90 52</b>		<b>Maintenance Repainting (09 01 90)</b>		
<b>09 01 90 52-0001</b>		<b>Cleaning And Preparation Of Painted And Unpainted Surfaces (09 01 90 52)</b>		
		<i>Note: In excess of surface preparation required. Water blast and pressure washing includes mild detergent and rinsing of surface until detergent free. Sand blast and water blast includes canvas/plastic for protection of existing surfaces as well as for containment.</i>		
<b>09 01 90 52-0002</b>		<b>Concrete And Masonry Surfaces, Surface Preparation (09 01 90 52-0001)</b>		
09 01 90 52-0003	SF	Trisodium Phosphate (TSP), Clean Concrete Or Masonry Surfaces, Surface Preparation .....	0.52	
		<i>For Up To 100, Add</i>	0.38	
		<i>For &gt;100 To 250, Add</i>	0.18	
		<i>For &gt;250 To 500, Add</i>	0.08	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.03	
		<i>For &gt;10,000 To 15,000, Deduct</i>	-0.05	
		<i>For &gt;15,000 To 30,000, Deduct</i>	-0.08	
		<i>For &gt;30,000, Deduct</i>	-0.10	
09 01 90 52-0004	SF	Calcimine Removal/Washing, Concrete And Masonry Surfaces, Surface Preparation.....	0.52	
		<i>For Up To 100, Add</i>	0.88	
		<i>For &gt;100 To 250, Add</i>	0.22	
		<i>For &gt;250 To 500, Add</i>	0.11	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.02	
		<i>For &gt;10,000 To 15,000, Deduct</i>	-0.05	
		<i>For &gt;15,000 To 30,000, Deduct</i>	-0.08	
		<i>For &gt;30,000, Deduct</i>	-0.10	
09 01 90 52-0005	SF	Chemical Clean, Brush And Wash, Concrete And Masonry Surfaces, Surface Preparation .....	0.81	
		<i>For Up To 100, Add</i>	1.34	
		<i>For &gt;100 To 250, Add</i>	0.34	
		<i>For &gt;250 To 500, Add</i>	0.17	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.04	
		<i>For &gt;10,000 To 15,000, Deduct</i>	-0.08	
		<i>For &gt;15,000 To 30,000, Deduct</i>	-0.12	
		<i>For &gt;30,000, Deduct</i>	-0.16	
09 01 90 52-0006	SF	Hand Scrape, Concrete And Masonry Surfaces, Surface Preparation.....	0.70	
		<i>For Up To 100, Add</i>	1.40	
		<i>For &gt;100 To 250, Add</i>	0.35	
		<i>For &gt;250 To 500, Add</i>	0.18	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.04	
		<i>For &gt;10,000 To 15,000, Deduct</i>	-0.07	
		<i>For &gt;15,000 To 30,000, Deduct</i>	-0.11	
		<i>For &gt;30,000, Deduct</i>	-0.14	
09 01 90 52-0007	SF	Steam Clean, Concrete And Masonry Surfaces, Surface Preparation.....	0.73	
		<i>For Up To 100, Add</i>	1.22	
		<i>For &gt;100 To 250, Add</i>	0.31	
		<i>For &gt;250 To 500, Add</i>	0.15	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.03	
		<i>For &gt;10,000 To 15,000, Deduct</i>	-0.07	
		<i>For &gt;15,000 To 30,000, Deduct</i>	-0.11	
		<i>For &gt;30,000, Deduct</i>	-0.14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

09 01 90 52-0008	SF	Up To 5,000 PSI Pressure Wash, Concrete And Masonry Surfaces, Surface Preparation .....	0.48		
		For Up To 100, Add	0.74		
		For >100 To 250, Add	0.19		
		For >250 To 500, Add	0.09		
		For >5,000 To 10,000, Deduct	-0.02		
		For >10,000 To 15,000, Deduct	-0.04		
		For >15,000 To 30,000, Deduct	-0.07		
		For >30,000, Deduct	-0.09		
09 01 90 52-0009	SF	10,000 To 12,000 PSI Water Blast, Concrete And Masonry Surfaces, Surface Preparation .....	1.33		
		For Up To 100, Add	2.34		
		For >100 To 250, Add	0.59		
		For >250 To 500, Add	0.29		
		For >5,000 To 10,000, Deduct	-0.06		
		For >10,000 To 15,000, Deduct	-0.13		
		For >15,000 To 30,000, Deduct	-0.19		
		For >30,000, Deduct	-0.26		
09 01 90 52-0010	SF	30,000 To 40,000 PSI Water Blast, Concrete And Masonry Surfaces, Surface Preparation .....	2.20		
		For Up To 100, Add	4.08		
		For >100 To 250, Add	1.02		
		For >250 To 500, Add	0.51		
		For >5,000 To 10,000, Deduct	-0.11		
		For >10,000 To 15,000, Deduct	-0.21		
		For >15,000 To 30,000, Deduct	-0.33		
		For >30,000, Deduct	-0.43		
09 01 90 52-0011	SF	Sand Blasting, Concrete And Masonry Surfaces, Surface Preparation .....	3.40		
		Note: 3 lbs of sand per SF			
		For 4.5 lbs Of Sand per SF, Where Multiple Pass Is Required, Add	1.98		
		For 6 lbs Of Sand per SF, Where Multiple Pass Is Required, Add	4.09		
		For 9 lbs Of Sand per SF, Where Multiple Pass Is Required, Add	6.80		
		For Up To 100, Add	5.52		
		For >100 To 250, Add	1.38		
		For >250 To 500, Add	0.69		
		For >5,000 To 10,000, Deduct	-0.16		
		For >10,000 To 15,000, Deduct	-0.31		
		For >15,000 To 30,000, Deduct	-0.49		
		For >30,000, Deduct	-0.65		

**09 01 90 52-0012 Drywall Surfaces, Surface Preparation** (09 01 90 52-0001)

See CSI section 09 01 20 91-0006 for Patch holes other than nail/screw holes and greater than 1/2" diameter.

09 01 90 52-0013	SF	Hand Wash Drywall Surfaces With Mild Detergent Or Degreaser (No Sanding, Repairing Or Scraping), Surface Preparation .....	0.40		
		For Up To 100, Add	0.80		
		For >100 To 250, Add	0.20		
		For >250 To 500, Add	0.10		
09 01 90 52-0014	SF	Hand Wash, Minor Repair And Light Sanding Drywall Surfaces, Surface Preparation .....	0.68		
		For Up To 100, Add	1.36		
		For >100 To 250, Add	0.34		
		For >250 To 500, Add	0.17		
09 01 90 52-0015	SF	Scrape, Repair And Sand Severely Damaged Drywall Surfaces, Surface Preparation .....	1.26		
		For Up To 100, Add	2.40		
		For >100 To 250, Add	0.60		
		For >250 To 500, Add	0.30		

**09 01 90 52-0016 Metal Surfaces, Surface Preparation** (09 01 90 52-0001)

09 01 90 52-0017	SF	Trisodium Phosphate (TSP), Clean Metal Surfaces, Surface Preparation .....	0.50		
		For Up To 100, Add	0.36		
		For >100 To 250, Add	0.17		
		For >250 To 500, Add	0.07		
		For >5,000 To 10,000, Deduct	-0.02		
		For >10,000 To 15,000, Deduct	-0.05		
		For >15,000 To 30,000, Deduct	-0.07		
		For >30,000, Deduct	-0.10		
09 01 90 52-0018	SF	Chemical Clean, Brush And Wash, Metal Surfaces, Surface Preparation .....	0.81		
		For Up To 100, Add	0.50		
		For >100 To 250, Add	0.23		
		For >250 To 500, Add	0.10		
		For >5,000 To 10,000, Deduct	-0.04		
		For >10,000 To 15,000, Deduct	-0.08		
		For >15,000 To 30,000, Deduct	-0.12		
		For >30,000, Deduct	-0.16		
09 01 90 52-0019	SF	Hand Scraping And Sanding, Metal Surfaces, Surface Preparation .....	0.70		
		For Up To 100, Add	0.53		
		For >100 To 250, Add	0.25		
		For >250 To 500, Add	0.11		
		For >5,000 To 10,000, Deduct	-0.04		
		For >10,000 To 15,000, Deduct	-0.07		
		For >15,000 To 30,000, Deduct	-0.11		
		For >30,000, Deduct	-0.14		
09 01 90 52-0020	SF	Up To 5,000 PSI Pressure Wash, Metal Surfaces, Surface Preparation .....	0.46		
		For Up To 100, Add	0.28		
		For >100 To 250, Add	0.13		
		For >250 To 500, Add	0.06		
		For >5,000 To 10,000, Deduct	-0.02		
		For >10,000 To 15,000, Deduct	-0.04		
		For >15,000 To 30,000, Deduct	-0.07		
		For >30,000, Deduct	-0.09		

## 09 Finishes

## 09 01 Maintenance of Finishes

## 09 01 90 Maintenance of Painting and Coating

 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

09 01 90 52-0021	SF	Power Tool Cleaning, Metal Surfaces, Surface Preparation.....	1.28	
		For Up To 100, Add	0.96	
		For >100 To 250, Add	0.45	
		For >250 To 500, Add	0.19	
		For >5,000 To 10,000, Deduct	-0.06	
		For >10,000 To 15,000, Deduct	-0.13	
		For >15,000 To 30,000, Deduct	-0.19	
		For >30,000, Deduct	-0.26	
09 01 90 52-0022	SF	Steam Cleaning, Metal Surfaces, Surface Preparation.....	0.45	
		For Up To 100, Add	0.25	
		For >100 To 250, Add	0.12	
		For >250 To 500, Add	0.05	
		For >5,000 To 10,000, Deduct	-0.02	
		For >10,000 To 15,000, Deduct	-0.04	
		For >15,000 To 30,000, Deduct	-0.06	
		For >30,000, Deduct	-0.08	
09 01 90 52-0023	SF	Loose Mill Scale With Fine Powder, Commercial Blast, Metal Surfaces, Surface Preparation .....	1.00	
		For Up To 100, Add	0.62	
		For >100 To 250, Add	0.29	
		For >250 To 500, Add	0.12	
		For >5,000 To 10,000, Deduct	-0.05	
		For >10,000 To 15,000, Deduct	-0.09	
		For >15,000 To 30,000, Deduct	-0.14	
		For >30,000, Deduct	-0.19	
09 01 90 52-0024	SF	Tight Mill Scale With Fine Powder Rust, Commercial Blast, Metal Surfaces, Surface Preparation .....	1.36	
		For Up To 100, Add	0.83	
		For >100 To 250, Add	0.39	
		For >250 To 500, Add	0.17	
		For >5,000 To 10,000, Deduct	-0.06	
		For >10,000 To 15,000, Deduct	-0.13	
		For >15,000 To 30,000, Deduct	-0.20	
		For >30,000, Deduct	-0.26	
09 01 90 52-0025	SF	Exterior Coating Blistered Pitted, Rust, Commercial Blast, Metal Surfaces, Surface Preparation .....	2.00	
		For Up To 100, Add	1.25	
		For >100 To 250, Add	0.58	
		For >250 To 500, Add	0.25	
		For >5,000 To 10,000, Deduct	-0.09	
		For >10,000 To 15,000, Deduct	-0.19	
		For >15,000 To 30,000, Deduct	-0.29	
		For >30,000, Deduct	-0.38	
09 01 90 52-0026	SF	Badly Pitted With Rust Nodules, Commercial Blast, Metal Surfaces, Surface Preparation.....	3.35	
		For Up To 100, Add	2.09	
		For >100 To 250, Add	0.98	
		For >250 To 500, Add	0.42	
		For >5,000 To 10,000, Deduct	-0.16	
		For >10,000 To 15,000, Deduct	-0.31	
		For >15,000 To 30,000, Deduct	-0.49	
		For >30,000, Deduct	-0.64	
09 01 90 52-0027	SF	Loose Mill Scale With Fine Powder Rust, Near White Blast, Metal Surfaces, Surface Preparation.....	2.55	
		For Up To 100, Add	1.57	
		For >100 To 250, Add	0.73	
		For >250 To 500, Add	0.31	
		For >5,000 To 10,000, Deduct	-0.12	
		For >10,000 To 15,000, Deduct	-0.24	
		For >15,000 To 30,000, Deduct	-0.37	
		For >30,000, Deduct	-0.49	
09 01 90 52-0028	SF	Tight Mill Scale Little Rust, Near White Blast, Metal Surfaces, Surface Preparation .....	3.15	
		For Up To 100, Add	1.93	
		For >100 To 250, Add	0.90	
		For >250 To 500, Add	0.39	
		For >5,000 To 10,000, Deduct	-0.15	
		For >10,000 To 15,000, Deduct	-0.29	
		For >15,000 To 30,000, Deduct	-0.46	
		For >30,000, Deduct	-0.60	
09 01 90 52-0029	SF	Exterior Coat Blistered Pitted Rust, Near White Blast, Metal Surfaces, Surface Preparation .....	4.09	
		For Up To 100, Add	2.51	
		For >100 To 250, Add	1.17	
		For >250 To 500, Add	0.50	
		For >5,000 To 10,000, Deduct	-0.19	
		For >10,000 To 15,000, Deduct	-0.38	
		For >15,000 To 30,000, Deduct	-0.59	
		For >30,000, Deduct	-0.78	
09 01 90 52-0030	SF	Badly Pitted Rust Nodules, Near White Blast, Metal Surfaces, Surface Preparation .....	5.12	
		For Up To 100, Add	3.14	
		For >100 To 250, Add	1.46	
		For >250 To 500, Add	0.63	
		For >5,000 To 10,000, Deduct	-0.24	
		For >10,000 To 15,000, Deduct	-0.47	
		For >15,000 To 30,000, Deduct	-0.74	
		For >30,000, Deduct	-0.98	
09 01 90 52-0031		Tile Surfaces, Surface Preparation (09 01 90 52-0001)		
09 01 90 52-0032	SF	Trisodium Phosphate (TSP), Clean Tile Surfaces, Surface Preparation.....	0.46	
		For Up To 100, Add	0.33	
		For >100 To 250, Add	0.15	
		For >250 To 500, Add	0.07	
		For >5,000 To 10,000, Deduct	-0.02	
		For >10,000 To 15,000, Deduct	-0.05	
		For >15,000 To 30,000, Deduct	-0.07	
		For >30,000, Deduct	-0.09	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
					UNIT COST	UNIT COST
09 01 90 52-0033	CSF			Chemical Alkaline Cleaner, Brush And Wash Tile Surfaces, Surface Preparation .....	45.08	
				<i>For Up To 100, Add</i>	33.59	
				<i>For &gt;100 To 250, Add</i>	15.68	
				<i>For &gt;250 To 500, Add</i>	6.72	
				<i>For &gt;5,000 To 10,000, Deduct</i>	-2.25	
				<i>For &gt;10,000 To 15,000, Deduct</i>	-4.50	
				<i>For &gt;15,000 To 30,000, Deduct</i>	-6.75	
				<i>For &gt;30,000, Deduct</i>	-9.00	
09 01 90 52-0034	SF			Up To 5,000 PSI, Pressure Wash Tile Surfaces, Surface Preparation .....	0.32	
				<i>For Up To 100, Add</i>	0.20	
				<i>For &gt;100 To 250, Add</i>	0.09	
				<i>For &gt;250 To 500, Add</i>	0.04	
				<i>For &gt;5,000 To 10,000, Deduct</i>	-0.02	
				<i>For &gt;10,000 To 15,000, Deduct</i>	-0.03	
				<i>For &gt;15,000 To 30,000, Deduct</i>	-0.05	
				<i>For &gt;30,000, Deduct</i>	-0.06	
<b>09 01 90 52-0035 Wood Surfaces, Surface Preparation (09 01 90 52-0001)</b>						
09 01 90 52-0036	SF			Prepare New Wood Floor For Finish, Multi Grit Sanding/Screening .....	1.47	
				<i>For Up To 100, Add</i>	1.04	
				<i>For &gt;100 To 250, Add</i>	0.49	
				<i>For &gt;250 To 500, Add</i>	0.21	
				<i>For &gt;5,000 To 10,000, Deduct</i>	-0.07	
				<i>For &gt;10,000 To 15,000, Deduct</i>	-0.14	
				<i>For &gt;15,000 To 30,000, Deduct</i>	-0.22	
				<i>For &gt;30,000, Deduct</i>	-0.29	
09 01 90 52-0037	SF			Trisodium Phosphate (TSP), Clean Wood Surfaces, Surface Preparation .....	0.48	
				<i>For Up To 100, Add</i>	0.35	
				<i>For &gt;100 To 250, Add</i>	0.16	
				<i>For &gt;250 To 500, Add</i>	0.07	
				<i>For &gt;5,000 To 10,000, Deduct</i>	-0.02	
				<i>For &gt;10,000 To 15,000, Deduct</i>	-0.05	
				<i>For &gt;15,000 To 30,000, Deduct</i>	-0.07	
				<i>For &gt;30,000, Deduct</i>	-0.10	
09 01 90 52-0038	SF			Chemical Clean, Brush And Wash Wood Surfaces, Surface Preparation .....	0.67	
				<i>For Up To 100, Add</i>	0.40	
				<i>For &gt;100 To 250, Add</i>	0.19	
				<i>For &gt;250 To 500, Add</i>	0.08	
				<i>For &gt;5,000 To 10,000, Deduct</i>	-0.03	
				<i>For &gt;10,000 To 15,000, Deduct</i>	-0.06	
				<i>For &gt;15,000 To 30,000, Deduct</i>	-0.10	
				<i>For &gt;30,000, Deduct</i>	-0.13	
09 01 90 52-0039	SF			Hand Scrape Wood Surfaces, Surface Preparation .....	0.76	
				<i>For Up To 100, Add</i>	0.57	
				<i>For &gt;100 To 250, Add</i>	0.27	
				<i>For &gt;250 To 500, Add</i>	0.11	
				<i>For &gt;5,000 To 10,000, Deduct</i>	-0.04	
				<i>For &gt;10,000 To 15,000, Deduct</i>	-0.08	
				<i>For &gt;15,000 To 30,000, Deduct</i>	-0.11	
				<i>For &gt;30,000, Deduct</i>	-0.15	
09 01 90 52-0040	SF			Steam Clean Wood Surfaces, Surface Preparation .....	0.71	
				<i>For Up To 100, Add</i>	0.44	
				<i>For &gt;100 To 250, Add</i>	0.21	
				<i>For &gt;250 To 500, Add</i>	0.09	
				<i>For &gt;5,000 To 10,000, Deduct</i>	-0.03	
				<i>For &gt;10,000 To 15,000, Deduct</i>	-0.07	
				<i>For &gt;15,000 To 30,000, Deduct</i>	-0.10	
				<i>For &gt;30,000, Deduct</i>	-0.14	
09 01 90 52-0041	SF			Up To 5,000 PSI, Pressure Wash Wood Surfaces, Surface Preparation .....	0.50	
				<i>For Up To 100, Add</i>	0.31	
				<i>For &gt;100 To 250, Add</i>	0.14	
				<i>For &gt;250 To 500, Add</i>	0.06	
				<i>For &gt;5,000 To 10,000, Deduct</i>	-0.02	
				<i>For &gt;10,000 To 15,000, Deduct</i>	-0.05	
				<i>For &gt;15,000 To 30,000, Deduct</i>	-0.07	
				<i>For &gt;30,000, Deduct</i>	-0.10	
09 01 90 52-0042	SF			Sanding Wood Paneling, Boards, Doors Or Other Wood Surfaces, Surface Preparation .....	0.93	
				<i>For Up To 100, Add</i>	0.65	
				<i>For &gt;100 To 250, Add</i>	0.30	
				<i>For &gt;250 To 500, Add</i>	0.13	
				<i>For &gt;5,000 To 10,000, Deduct</i>	-0.05	
				<i>For &gt;10,000 To 15,000, Deduct</i>	-0.09	
				<i>For &gt;15,000 To 30,000, Deduct</i>	-0.14	
				<i>For &gt;30,000, Deduct</i>	-0.18	
09 01 90 52-0043	SF			Sanding Wood Trim Surfaces, Surface Preparation .....	1.26	
				<i>For Up To 100, Add</i>	0.90	
				<i>For &gt;100 To 250, Add</i>	0.42	
				<i>For &gt;250 To 500, Add</i>	0.18	
				<i>For &gt;5,000 To 10,000, Deduct</i>	-0.06	
				<i>For &gt;10,000 To 15,000, Deduct</i>	-0.12	
				<i>For &gt;15,000 To 30,000, Deduct</i>	-0.19	
				<i>For &gt;30,000, Deduct</i>	-0.25	
09 01 90 52-0044	SF			Prime Wood Surfaces With Linseed Oil, 1 Coat, Surface Preparation .....	0.82	
				<i>For Up To 100, Add</i>	0.53	
				<i>For &gt;100 To 250, Add</i>	0.25	
				<i>For &gt;250 To 500, Add</i>	0.11	
				<i>For &gt;5,000 To 10,000, Deduct</i>	-0.04	
				<i>For &gt;10,000 To 15,000, Deduct</i>	-0.08	
				<i>For &gt;15,000 To 30,000, Deduct</i>	-0.12	
				<i>For &gt;30,000, Deduct</i>	-0.16	

**09 Finishes****09 01 Maintenance of Finishes****09 01 90 Maintenance of Painting and Coating**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

09 01 90 52-0045	SF	Paint Wood Surfaces With Linseed Oil, 1 Coat, Surface Preparation.....	0.95	
		<i>For Up To 100, Add</i>	<i>0.63</i>	
		<i>For &gt;100 To 250, Add</i>	<i>0.29</i>	
		<i>For &gt;250 To 500, Add</i>	<i>0.13</i>	
		<i>For &gt;5,000 To 10,000, Deduct</i>	<i>-0.05</i>	
		<i>For &gt;10,000 To 15,000, Deduct</i>	<i>-0.09</i>	
		<i>For &gt;15,000 To 30,000, Deduct</i>	<i>-0.14</i>	
		<i>For &gt;30,000, Deduct</i>	<i>-0.18</i>	
<b>09 01 90 52-0046</b>		<b>Vinyl Siding Surfaces, Surface Preparation</b> <small>(09 01 90 52-0001)</small>		
09 01 90 52-0047	SF	Trisodium Phosphate (TSP), Clean, Vinyl Siding Surfaces, Surface Preparation.....	0.46	
		<i>For Up To 100, Add</i>	<i>0.33</i>	
		<i>For &gt;100 To 250, Add</i>	<i>0.15</i>	
		<i>For &gt;250 To 500, Add</i>	<i>0.07</i>	
		<i>For &gt;5,000 To 10,000, Deduct</i>	<i>-0.02</i>	
		<i>For &gt;10,000 To 15,000, Deduct</i>	<i>-0.05</i>	
		<i>For &gt;15,000 To 30,000, Deduct</i>	<i>-0.07</i>	
		<i>For &gt;30,000, Deduct</i>	<i>-0.09</i>	
09 01 90 52-0048	SF	Hand Wash, Vinyl Siding Surfaces, Surface Preparation.....	0.71	
		<i>For Up To 100, Add</i>	<i>0.51</i>	
		<i>For &gt;100 To 250, Add</i>	<i>0.24</i>	
		<i>For &gt;250 To 500, Add</i>	<i>0.10</i>	
		<i>For &gt;5,000 To 10,000, Deduct</i>	<i>-0.03</i>	
		<i>For &gt;10,000 To 15,000, Deduct</i>	<i>-0.07</i>	
		<i>For &gt;15,000 To 30,000, Deduct</i>	<i>-0.11</i>	
		<i>For &gt;30,000, Deduct</i>	<i>-0.14</i>	
09 01 90 52-0049	SF	Up To 5,000 PSI Pressure Wash, Vinyl Siding Surfaces, Surface Preparation.....	0.41	
		<i>For Up To 100, Add</i>	<i>0.23</i>	
		<i>For &gt;100 To 250, Add</i>	<i>0.11</i>	
		<i>For &gt;250 To 500, Add</i>	<i>0.05</i>	
		<i>For &gt;5,000 To 10,000, Deduct</i>	<i>-0.02</i>	
		<i>For &gt;10,000 To 15,000, Deduct</i>	<i>-0.04</i>	
		<i>For &gt;15,000 To 30,000, Deduct</i>	<i>-0.06</i>	
		<i>For &gt;30,000, Deduct</i>	<i>-0.08</i>	
09 01 90 52-0050	SF	Steam Clean, Vinyl Siding Surfaces, Surface Preparation.....	0.75	
		<i>For Up To 100, Add</i>	<i>0.44</i>	
		<i>For &gt;100 To 250, Add</i>	<i>0.21</i>	
		<i>For &gt;250 To 500, Add</i>	<i>0.09</i>	
		<i>For &gt;5,000 To 10,000, Deduct</i>	<i>-0.03</i>	
		<i>For &gt;10,000 To 15,000, Deduct</i>	<i>-0.07</i>	
		<i>For &gt;15,000 To 30,000, Deduct</i>	<i>-0.11</i>	
		<i>For &gt;30,000, Deduct</i>	<i>-0.14</i>	
<b>09 01 90 52-0051</b>		<b>Plaster/Stucco Surfaces, Surface Preparation</b> <small>(09 01 90 52-0001)</small>		
		Note: Based on total project quantity.		
09 01 90 52-0052	SF	Trisodium Phosphate (TSP), Clean Plaster/Stucco Surfaces, Surface Preparation.....	0.52	
		<i>For Up To 100, Add</i>	<i>0.38</i>	
		<i>For &gt;100 To 250, Add</i>	<i>0.18</i>	
		<i>For &gt;250 To 500, Add</i>	<i>0.08</i>	
		<i>For &gt;5,000 To 10,000, Deduct</i>	<i>-0.03</i>	
		<i>For &gt;10,000 To 15,000, Deduct</i>	<i>-0.05</i>	
		<i>For &gt;15,000 To 30,000, Deduct</i>	<i>-0.08</i>	
		<i>For &gt;30,000, Deduct</i>	<i>-0.10</i>	
09 01 90 52-0053	SF	Up To 5,000 PSI Pressure Wash Plaster/Stucco Surfaces, Surface Preparation.....	0.53	
		<i>For Up To 100, Add</i>	<i>0.32</i>	
		<i>For &gt;100 To 250, Add</i>	<i>0.15</i>	
		<i>For &gt;250 To 500, Add</i>	<i>0.06</i>	
		<i>For &gt;5,000 To 10,000, Deduct</i>	<i>-0.02</i>	
		<i>For &gt;10,000 To 15,000, Deduct</i>	<i>-0.05</i>	
		<i>For &gt;15,000 To 30,000, Deduct</i>	<i>-0.08</i>	
		<i>For &gt;30,000, Deduct</i>	<i>-0.10</i>	
<b>09 01 90 52-0054</b>		<b>Prep Work</b> <small>(09 01 90 52-0001)</small>		
09 01 90 52-0055	SF	Citrus Strip, Single Applications.....	1.20	
		Note: For removal of dried latex and oil-based paint, varnish, lacquer, polyurethane and shellac from wood, metal, and masonry surfaces. Multiple coats may be necessary, refer to manufacturer recommendations		
<b>09 01 90 91</b>		<b>Paint Restoration</b> <small>(09 01 90)</small>		
<b>09 01 90 91-0001</b>		<b>Paint Removal, Strip To Bare Wood</b> <small>(09 01 90 91)</small>		
09 01 90 91-0002	SF	Flat Surfaces, Paint Removal, Strip To Bare Wood.....	8.23	
09 01 90 91-0003	SF	Cornices And Decorative Trim To 12" Wide, Paint Removal, Strip To Bare Wood.....	8.76	
<b>09 05</b>		<b>Common Work Results for Finishes</b> <small>(09)</small>		
<b>09 05 61</b>		<b>Common Work Results for Flooring Preparation</b> <small>(09 05)</small>		
<b>09 05 61 13</b>		<b>Moisture Vapor Emission Control</b> <small>(09 05 61)</small>		
<b>09 05 61 13-0001</b>		<b>Moisture Vapor Reduction System (Koester VAP)</b> <small>(09 05 61 13)</small>		
09 05 61 13-0002	EA	Up To 200 SF, Water Vapor Emission Control System (Koester VAP 1-2000).....	2,627.60	
		Note: Clear		
09 05 61 13-0003	SF	>200 To 500 SF, Water Vapor Emission Control System (Koester VAP 1-2001).....	13.91	
		Note: Clear		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 05 61 13-0004	SF	>500 To 1,000 SF, Water Vapor Emission Control System (Koester VAP 1-2002) .....		9.27	
		Note: Clear			
09 05 61 13-0005	SF	>1,000 To 3,000 SF, Water Vapor Emission Control System (Koester VAP 1-2003) .....		7.73	
		Note: Clear			
09 05 61 13-0006	SF	>3,000 SF, Water Vapor Emission Control System (Koester VAP 1-2004) .....		6.19	
		Note: Clear			

09 05 61 13-0007	<b>Moisture Vapor Transmission Control (Dependable Cutdown® II)</b> <small>(09 05 61 13)</small>				
09 05 61 13-0008	SF	8# Two Coats, Moisture Vapor Transmission Control (Dependable Cutdown® II) .....		4.25	
09 05 61 13-0009	SF	15# Two Coats, Moisture Vapor Transmission Control (Dependable Cutdown® II) .....		5.73	

**09 05 71 Acoustic Underlayment** (09 05)

09 05 71 00-0001	<b>Tile And Stone Acoustical Underlayment</b> <small>(09 05 71)</small>				
09 05 71 00-0002	SF	5 Mil Tile And Stone Acoustical Underlayment (EasyMat) .....		3.98	
		<i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>		0.44	

09 05 71 00-0003	<b>Resilient Floor Acoustical Underlayment</b> <small>(09 05 71)</small>				
09 05 71 00-0004	SF	Vinyl, Linoleum, LVT And Vinyl Strip Flooring Acoustical Underlayment (Impacta, Soundseal VC300) .....		2.96	
09 05 71 00-0005	SF	2 MM Thick Resilient Plank Floor Acoustical Underlayment (Floormuffler) .....		1.79	
09 05 71 00-0006	SF	0.055" Thick High Density Polyurethane Foam Floor Acoustical Underlayment (Silencer LVT) .....		2.18	

**09 20 Plaster and Gypsum Board** (09)

**09 22 Supports for Plaster and Gypsum Board** (09 20)

Note: Per SF of wall area measures one side. Do not deduct for opens of less than 25 SF when calculating total wall square footage.

**09 22 13 Metal Furring** (09 22)

**09 22 13 13 Metal Channel Furring** (09 22 13)

09 22 13 13-0001	Hat Furring Channel	<small>(09 22 13 13)</small>			
			Note: Includes clips where required.		
09 22 13 13-0002	<b>Installed On Walls, Hat Furring Channel</b> <small>(09 22 13 13-0001)</small>				
09 22 13 13-0003	SF	7/8", 25 Gauge, 16" On Center, Installed On Walls, Hat Furring Channel .....		4.26	1.70
		<i>For Walls &gt;10' High, Add</i>		0.51	
		<i>For 24" On Center, Deduct</i>		-0.51	
		<i>For 12" On Center, Add</i>		0.68	
		<i>For 22 Gauge, Add</i>		0.69	
		<i>For 20 Gauge, Add</i>		1.08	
09 22 13 13-0004	SF	1-1/2", 25 Gauge, 16" On Center, Installed On Walls, Hat Furring Channel .....		4.61	1.70
		<i>For Walls &gt;10' High, Add</i>		0.51	
		<i>For 24" On Center, Deduct</i>		-0.58	
		<i>For 12" On Center, Add</i>		0.75	
		<i>For 22 Gauge, Add</i>		0.86	
		<i>For 20 Gauge, Add</i>		1.31	
09 22 13 13-0005	<b>Installed On Columns And Beams, Hat Furring Channel</b> <small>(09 22 13 13-0001)</small>				
09 22 13 13-0006	SF	7/8", 25 Gauge, 16" On Center, Installed On Columns And Beams, Hat Furring Channel .....		6.10	2.60
		<i>For Columns And Beams &gt;10' High, Add</i>		1.04	
		<i>For 24" On Center, Deduct</i>		-0.70	
		<i>For 12" On Center, Add</i>		0.96	
		<i>For 22 Gauge, Add</i>		0.83	
		<i>For 20 Gauge, Add</i>		1.36	
09 22 13 13-0007	SF	1-1/2", 25 Gauge, 16" On Center, Installed On Columns And Beams, Hat Furring Channel .....		6.44	2.60
		<i>For Columns And Beams &gt;10' High, Add</i>		1.04	
		<i>For 24" On Center, Deduct</i>		-0.77	
		<i>For 12" On Center, Add</i>		1.03	
		<i>For 22 Gauge, Add</i>		1.00	
		<i>For 20 Gauge, Add</i>		1.59	
09 22 13 13-0008	<b>Installed On Ceilings, Hat Furring Channel</b> <small>(09 22 13 13-0001)</small>				
09 22 13 13-0009	SF	7/8", 25 Gauge, 16" On Center, Installed On Ceilings, Hat Furring Channel .....		5.62	2.08
		<i>For Ceilings &gt;10' High, Add</i>		0.63	
		<i>For 24" On Center, Deduct</i>		-0.71	
		<i>For 12" On Center, Add</i>		0.92	
		<i>For 22 Gauge, Add</i>		1.04	
		<i>For 20 Gauge, Add</i>		1.58	
09 22 13 13-0010	SF	1-1/2", 25 Gauge, 16" On Center, Installed On Ceilings, Hat Furring Channel .....		5.96	2.08
		<i>For Ceilings &gt;10' High, Add</i>		0.63	
		<i>For 24" On Center, Deduct</i>		-0.78	
		<i>For 12" On Center, Add</i>		0.98	
		<i>For 22 Gauge, Add</i>		1.21	
		<i>For 20 Gauge, Add</i>		1.81	

**09 22 13 13-0011 Z Furring Channel** (09 22 13 13)

**09 22 13 13-0012 Installed On Walls, Z Furring Channel** (09 22 13 13-0011)

**09 Finishes**  
**09 20 Plaster and Gypsum Board**  
**09 22 Supports for Plaster and Gypsum Board**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 22 13 13-0013	SF 1", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel.....	3.64	1.70
	<i>For Walls &gt;10' High, Add</i>	0.51	
	<i>For 24" On Center, Deduct</i>	-0.39	
	<i>For 12" On Center, Add</i>	0.56	
	<i>For 22 Gauge, Add</i>	0.38	
	<i>For 20 Gauge, Add</i>	0.67	
09 22 13 13-0014	SF 1-1/2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel .....	3.69	1.70
	<i>For Walls &gt;10' High, Add</i>	0.51	
	<i>For 24" On Center, Deduct</i>	-0.40	
	<i>For 12" On Center, Add</i>	0.57	
	<i>For 22 Gauge, Add</i>	0.40	
	<i>For 20 Gauge, Add</i>	0.71	
09 22 13 13-0015	SF 2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel.....	3.74	1.70
	<i>For Walls &gt;10' High, Add</i>	0.51	
	<i>For 24" On Center, Deduct</i>	-0.41	
	<i>For 12" On Center, Add</i>	0.58	
	<i>For 22 Gauge, Add</i>	0.43	
	<i>For 20 Gauge, Add</i>	0.74	
09 22 13 13-0016	SF 2-1/2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel .....	3.78	1.70
	<i>For Walls &gt;10' High, Add</i>	0.51	
	<i>For 24" On Center, Deduct</i>	-0.42	
	<i>For 12" On Center, Add</i>	0.59	
	<i>For 22 Gauge, Add</i>	0.45	
	<i>For 20 Gauge, Add</i>	0.77	
09 22 13 13-0017	SF 3", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel.....	3.81	1.70
	<i>For Walls &gt;10' High, Add</i>	0.51	
	<i>For 24" On Center, Deduct</i>	-0.42	
	<i>For 12" On Center, Add</i>	0.59	
	<i>For 22 Gauge, Add</i>	0.46	
	<i>For 20 Gauge, Add</i>	0.79	
<b>09 22 13 23 Resilient Channel Furring (09 22 13)</b>			
09 22 13 23-0001	Single-Leg Resilient Channel, RC1 Furring Channel (09 22 13 23)		
	Note: Includes clips where required.		
09 22 13 23-0002	Installed On Walls, Single-Leg Resilient Channel, RC1 Furring Channel (09 22		
	13 23-0001)		
09 22 13 23-0003	SF 25 Gauge, 16" On Center, Installed On Walls, Single-Leg Resilient Channel.....	3.93	1.70
	<i>For Walls &gt;10' High, Add</i>	0.51	
	<i>For 24" On Center, Deduct</i>	-0.45	
	<i>For 12" On Center, Add</i>	0.62	
	<i>For 20 Gauge, Add</i>	0.86	
09 22 13 23-0004	Installed On Ceilings, Single-Leg Resilient Channel, RC1 Furring Channel		
	(09 22 13 23-0001)		
09 22 13 23-0005	SF 25 Gauge, 16" On Center, Installed On Ceilings, Single-Leg Resilient Channel.....	4.71	2.08
	<i>For Ceilings &gt;10' High, Add</i>	0.63	
	<i>For 24" On Center, Deduct</i>	-0.53	
	<i>For 12" On Center, Add</i>	0.73	
	<i>For 20 Gauge, Add</i>	0.98	
09 22 13 23-0006	Double-Leg Resilient Channel, RC2 Furring Channel (09 22 13 23)		
	Note: Includes clips where required.		
09 22 13 23-0007	Installed On Walls, Double-Leg Resilient Channel, RC2 Furring Channel (09 22		
	13 23-0006)		
09 22 13 23-0008	SF 25 Gauge, 16" On Center, Installed On Walls, Double-Leg Resilient Channel .....	4.13	1.70
	<i>For Walls &gt;10' High, Add</i>	0.51	
	<i>For 24" On Center, Deduct</i>	-0.49	
	<i>For 12" On Center, Add</i>	0.66	
	<i>For 20 Gauge, Add</i>	1.00	
09 22 13 23-0009	Installed On Ceilings, Double-Leg Resilient Channel, RC2 Furring Channel		
	(09 22 13 23-0006)		
09 22 13 23-0010	SF 25 Gauge, 16" On Center, Installed On Ceilings, Double-Leg Resilient Channel .....	4.91	2.08
	<i>For Ceilings &gt;10' High, Add</i>	0.63	
	<i>For 24" On Center, Deduct</i>	-0.57	
	<i>For 12" On Center, Add</i>	0.77	
	<i>For 20 Gauge, Add</i>	1.11	
<b>09 22 16 Non-Structural Metal Framing (09 22)</b>			
	Note: Includes studs, bridging, fasteners, and metal stiffener at half height. Do not deduct for openings of less than 25 SF.		
<b>09 22 16 13 Non-Structural Metal Stud Framing (09 22 16)</b>			
09 22 16 13-0001	25 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud		
	Framing With Tracks And Runners (09 22 16 13)		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 22 16 13-0002	SF			1-5/8" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	2.72	0.71
				For Powder-Actuated Fasteners Every 2', Add	0.05	
				For Walls >10' High, Add	0.54	
				For Soffit, Columns Or Beams Up To 10' High, Add	1.68	
				For Soffit, Columns Or Beams >10' High, Add	2.21	
				For Horizontal Installation Up To 10' High, Add	0.54	
				For Horizontal Installation >10' High, Add	0.71	
				For Curved Wall, Add	0.53	
				For 12" On Center, Add	0.46	
				For 24" On Center, Deduct	-0.46	
				For Up To 100, Add	0.90	
				For >100 To 300, Add	0.45	
				For >1,000, Deduct	-0.23	
09 22 16 13-0003	SF			2-1/2" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	2.90	0.74
				For Powder-Actuated Fasteners Every 2', Add	0.05	
				For Walls >10' High, Add	0.58	
				For Soffit, Columns Or Beams Up To 10' High, Add	1.77	
				For Soffit, Columns Or Beams >10' High, Add	2.33	
				For Horizontal Installation Up To 10' High, Add	0.57	
				For Horizontal Installation >10' High, Add	0.75	
				For Curved Wall, Add	0.56	
				For 12" On Center, Add	0.49	
				For 24" On Center, Deduct	-0.49	
				For Up To 100, Add	0.95	
				For >100 To 300, Add	0.48	
				For >1,000, Deduct	-0.25	
09 22 16 13-0004	SF			3-5/8" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	3.17	0.77
				For Powder-Actuated Fasteners Every 2', Add	0.05	
				For Walls >10' High, Add	0.63	
				For Soffit, Columns Or Beams Up To 10' High, Add	1.87	
				For Soffit, Columns Or Beams >10' High, Add	2.45	
				For Horizontal Installation Up To 10' High, Add	0.61	
				For Horizontal Installation >10' High, Add	0.80	
				For Curved Wall, Add	0.58	
				For 12" On Center, Add	0.54	
				For 24" On Center, Deduct	-0.54	
				For Up To 100, Add	1.02	
				For >100 To 300, Add	0.51	
				For >1,000, Deduct	-0.28	
09 22 16 13-0005	SF			4" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	3.39	0.81
				For Powder-Actuated Fasteners Every 2', Add	0.05	
				For Walls >10' High, Add	0.68	
				For Soffit, Columns Or Beams Up To 10' High, Add	1.96	
				For Soffit, Columns Or Beams >10' High, Add	2.57	
				For Horizontal Installation Up To 10' High, Add	0.64	
				For Horizontal Installation >10' High, Add	0.85	
				For Curved Wall, Add	0.61	
				For 12" On Center, Add	0.58	
				For 24" On Center, Deduct	-0.58	
				For Up To 100, Add	1.08	
				For >100 To 300, Add	0.54	
				For >1,000, Deduct	-0.31	
09 22 16 13-0006	SF			6" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	3.80	0.85
				For Powder-Actuated Fasteners Every 2', Add	0.05	
				For Walls >10' High, Add	0.76	
				For Soffit, Columns Or Beams Up To 10' High, Add	2.09	
				For Soffit, Columns Or Beams >10' High, Add	2.73	
				For Horizontal Installation Up To 10' High, Add	0.70	
				For Horizontal Installation >10' High, Add	0.92	
				For Curved Wall, Add	0.64	
				For 12" On Center, Add	0.65	
				For 24" On Center, Deduct	-0.65	
				For Up To 100, Add	1.19	
				For >100 To 300, Add	0.59	
				For >1,000, Deduct	-0.36	
09 22 16 13-0007				<b>20 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners</b> (09 22 16 13)		
09 22 16 13-0008	SF			1-5/8" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	3.08	0.72
				For Powder-Actuated Fasteners Every 2', Add	0.05	
				For Walls >10' High, Add	0.62	
				For Soffit, Columns Or Beams Up To 10' High, Add	1.75	
				For Soffit, Columns Or Beams >10' High, Add	2.29	
				For Horizontal Installation Up To 10' High, Add	0.58	
				For Horizontal Installation >10' High, Add	0.76	
				For Curved Wall, Add	0.54	
				For 12" On Center, Add	0.53	
				For 24" On Center, Deduct	-0.53	
				For Up To 100, Add	0.98	
				For >100 To 300, Add	0.49	
				For >1,000, Deduct	-0.28	

**09 Finishes**

**09 20 Plaster and Gypsum Board**

**09 22 Supports for Plaster and Gypsum Board**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

09 22 16 13-0009	SF	2-1/2" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	3.40	0.76
		<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.05	
		<i>For Walls &gt;10' High, Add</i>	0.68	
		<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	1.86	
		<i>For Soffit, Columns Or Beams &gt;10' High, Add</i>	2.43	
		<i>For Horizontal Installation Up To 10' High, Add</i>	0.63	
		<i>For Horizontal Installation &gt;10' High, Add</i>	0.82	
		<i>For Curved Wall, Add</i>	0.57	
		<i>For 12" On Center, Add</i>	0.59	
		<i>For 24" On Center, Deduct</i>	-0.59	
		<i>For Up To 100, Add</i>	1.06	
		<i>For &gt;100 To 300, Add</i>	0.53	
		<i>For &gt;1,000, Deduct</i>	-0.32	
09 22 16 13-0010	SF	3-5/8" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	3.76	0.79
		<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.05	
		<i>For Walls &gt;10' High, Add</i>	0.75	
		<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	1.97	
		<i>For Soffit, Columns Or Beams &gt;10' High, Add</i>	2.57	
		<i>For Horizontal Installation Up To 10' High, Add</i>	0.67	
		<i>For Horizontal Installation &gt;10' High, Add</i>	0.87	
		<i>For Curved Wall, Add</i>	0.60	
		<i>For 12" On Center, Add</i>	0.65	
		<i>For 24" On Center, Deduct</i>	-0.65	
		<i>For Up To 100, Add</i>	1.15	
		<i>For &gt;100 To 300, Add</i>	0.58	
		<i>For &gt;1,000, Deduct</i>	-0.37	
09 22 16 13-0011	SF	4" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural Structural, Galvanized Steel Framing With Tracks And Runners.....	4.00	0.83
		<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.05	
		<i>For Walls &gt;10' High, Add</i>	0.80	
		<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	2.06	
		<i>For Soffit, Columns Or Beams &gt;10' High, Add</i>	2.69	
		<i>For Horizontal Installation Up To 10' High, Add</i>	0.71	
		<i>For Horizontal Installation &gt;10' High, Add</i>	0.92	
		<i>For Curved Wall, Add</i>	0.62	
		<i>For 12" On Center, Add</i>	0.70	
		<i>For 24" On Center, Deduct</i>	-0.70	
		<i>For Up To 100, Add</i>	1.22	
		<i>For &gt;100 To 300, Add</i>	0.61	
		<i>For &gt;1,000, Deduct</i>	-0.39	
09 22 16 13-0012	SF	6" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	5.63	0.87
		<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.05	
		<i>For Walls &gt;10' High, Add</i>	1.13	
		<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	2.32	
		<i>For Soffit, Columns Or Beams &gt;10' High, Add</i>	2.97	
		<i>For Horizontal Installation Up To 10' High, Add</i>	0.89	
		<i>For Horizontal Installation &gt;10' High, Add</i>	1.11	
		<i>For Curved Wall, Add</i>	0.66	
		<i>For 12" On Center, Add</i>	1.02	
		<i>For 24" On Center, Deduct</i>	-1.02	
		<i>For Up To 100, Add</i>	1.56	
		<i>For &gt;100 To 300, Add</i>	0.78	
		<i>For &gt;1,000, Deduct</i>	-0.63	
09 22 16 13-0013		<b>18 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners</b> <small>(09 22 16 13)</small>		
09 22 16 13-0014	SF	2-1/2" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	4.75	0.77
		<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.05	
		<i>For Walls &gt;10' High, Add</i>	0.95	
		<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	2.03	
		<i>For Soffit, Columns Or Beams &gt;10' High, Add</i>	2.61	
		<i>For Horizontal Installation Up To 10' High, Add</i>	0.77	
		<i>For Horizontal Installation &gt;10' High, Add</i>	0.96	
		<i>For Curved Wall, Add</i>	0.58	
		<i>For 12" On Center, Add</i>	0.85	
		<i>For 24" On Center, Deduct</i>	-0.85	
		<i>For Up To 100, Add</i>	1.34	
		<i>For &gt;100 To 300, Add</i>	0.67	
		<i>For &gt;1,000, Deduct</i>	-0.52	
09 22 16 13-0015	SF	3-5/8" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	5.26	0.81
		<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.05	
		<i>For Walls &gt;10' High, Add</i>	1.05	
		<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	2.16	
		<i>For Soffit, Columns Or Beams &gt;10' High, Add</i>	2.77	
		<i>For Horizontal Installation Up To 10' High, Add</i>	0.83	
		<i>For Horizontal Installation &gt;10' High, Add</i>	1.04	
		<i>For Curved Wall, Add</i>	0.61	
		<i>For 12" On Center, Add</i>	0.95	
		<i>For 24" On Center, Deduct</i>	-0.95	
		<i>For Up To 100, Add</i>	1.46	
		<i>For &gt;100 To 300, Add</i>	0.73	
		<i>For &gt;1,000, Deduct</i>	-0.59	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 22 16 13-0016	SF			4" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	5.65	0.85
				For Powder-Actuated Fasteners Every 2', Add	0.05	
				For Walls >10' High, Add	1.13	
				For Soffit, Columns Or Beams Up To 10' High, Add	2.28	
				For Soffit, Columns Or Beams >10' High, Add	2.92	
				For Horizontal Installation Up To 10' High, Add	0.89	
				For Horizontal Installation >10' High, Add	1.10	
				For Curved Wall, Add	0.64	
				For 12" On Center, Add	1.02	
				For 24" On Center, Deduct	-1.02	
				For Up To 100, Add	1.56	
				For >100 To 300, Add	0.78	
				For >1,000, Deduct	-0.63	
09 22 16 13-0017	SF			6" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	7.42	0.89
				For Powder-Actuated Fasteners Every 2', Add	0.05	
				For Walls >10' High, Add	1.48	
				For Soffit, Columns Or Beams Up To 10' High, Add	2.54	
				For Soffit, Columns Or Beams >10' High, Add	3.22	
				For Horizontal Installation Up To 10' High, Add	1.08	
				For Horizontal Installation >10' High, Add	1.30	
				For Curved Wall, Add	0.68	
				For 12" On Center, Add	1.37	
				For 24" On Center, Deduct	-1.37	
				For Up To 100, Add	1.93	
				For >100 To 300, Add	0.97	
				For >1,000, Deduct	-0.89	
09 22 16 13-0018	SF			8" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	8.07	0.95
				For Powder-Actuated Fasteners Every 2', Add	0.05	
				For Walls >10' High, Add	1.61	
				For Soffit, Columns Or Beams Up To 10' High, Add	2.69	
				For Soffit, Columns Or Beams >10' High, Add	3.39	
				For Horizontal Installation Up To 10' High, Add	1.16	
				For Horizontal Installation >10' High, Add	1.39	
				For Curved Wall, Add	0.71	
				For 12" On Center, Add	1.50	
				For 24" On Center, Deduct	-1.50	
				For Up To 100, Add	2.08	
				For >100 To 300, Add	1.04	
				For >1,000, Deduct	-0.98	

**09 22 16 13-0019 16 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners** (09 22 16 13)

09 22 16 13-0020	SF			2-1/2" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	5.05	0.79
				For Powder-Actuated Fasteners Every 2', Add	0.05	
				For Walls >10' High, Add	1.01	
				For Soffit, Columns Or Beams Up To 10' High, Add	2.10	
				For Soffit, Columns Or Beams >10' High, Add	2.69	
				For Horizontal Installation Up To 10' High, Add	0.80	
				For Horizontal Installation >10' High, Add	1.00	
				For Curved Wall, Add	0.60	
				For 12" On Center, Add	0.91	
				For 24" On Center, Deduct	-0.91	
				For Up To 100, Add	1.41	
				For >100 To 300, Add	0.70	
				For >1,000, Deduct	-0.56	
09 22 16 13-0021	SF			3-5/8" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	5.95	0.83
				For Powder-Actuated Fasteners Every 2', Add	0.05	
				For Walls >10' High, Add	1.19	
				For Soffit, Columns Or Beams Up To 10' High, Add	2.26	
				For Soffit, Columns Or Beams >10' High, Add	2.88	
				For Horizontal Installation Up To 10' High, Add	0.91	
				For Horizontal Installation >10' High, Add	1.12	
				For Curved Wall, Add	0.62	
				For 12" On Center, Add	1.09	
				For 24" On Center, Deduct	-1.09	
				For Up To 100, Add	1.61	
				For >100 To 300, Add	0.80	
				For >1,000, Deduct	-0.68	
09 22 16 13-0022	SF			4" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	6.31	0.87
				For Powder-Actuated Fasteners Every 2', Add	0.05	
				For Walls >10' High, Add	1.26	
				For Soffit, Columns Or Beams Up To 10' High, Add	2.38	
				For Soffit, Columns Or Beams >10' High, Add	3.04	
				For Horizontal Installation Up To 10' High, Add	0.96	
				For Horizontal Installation >10' High, Add	1.18	
				For Curved Wall, Add	0.66	
				For 12" On Center, Add	1.15	
				For 24" On Center, Deduct	-1.15	
				For Up To 100, Add	1.70	
				For >100 To 300, Add	0.85	
				For >1,000, Deduct	-0.73	

**09 Finishes**

**09 20 Plaster and Gypsum Board**

**09 22 Supports for Plaster and Gypsum Board**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

09 22 16 13-0023	SF	6" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	8.01	0.92
		<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.05	
		<i>For Walls &gt;10' High, Add</i>	1.60	
		<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	2.64	
		<i>For Soffit, Columns Or Beams &gt;10' High, Add</i>	3.33	
		<i>For Horizontal Installation Up To 10' High, Add</i>	1.15	
		<i>For Horizontal Installation &gt;10' High, Add</i>	1.38	
		<i>For Curved Wall, Add</i>	0.69	
		<i>For 12" On Center, Add</i>	1.49	
		<i>For 24" On Center, Deduct</i>	-1.49	
		<i>For Up To 100, Add</i>	2.06	
		<i>For &gt;100 To 300, Add</i>	1.03	
		<i>For &gt;1,000, Deduct</i>	-0.97	
09 22 16 13-0024	SF	8" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	8.84	0.97
		<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.05	
		<i>For Walls &gt;10' High, Add</i>	1.77	
		<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	2.82	
		<i>For Soffit, Columns Or Beams &gt;10' High, Add</i>	3.55	
		<i>For Horizontal Installation Up To 10' High, Add</i>	1.25	
		<i>For Horizontal Installation &gt;10' High, Add</i>	1.49	
		<i>For Curved Wall, Add</i>	0.73	
		<i>For 12" On Center, Add</i>	1.65	
		<i>For 24" On Center, Deduct</i>	-1.65	
		<i>For Up To 100, Add</i>	2.25	
		<i>For &gt;100 To 300, Add</i>	1.13	
		<i>For &gt;1,000, Deduct</i>	-1.08	

**09 22 16 13-0025 Galvanized Steel Backing Plates** (09 22 16 13)

Note: Used to attach fixtures, cabinets, shelves or handrails to metal stud walls.

09 22 16 13-0026	LF	3" Wide, 25 Gauge Galvanized Steel Backing Plate.....	1.35	
09 22 16 13-0027	LF	4" Wide, 25 Gauge Galvanized Steel Backing Plate.....	1.64	
09 22 16 13-0028	LF	6" Wide, 25 Gauge Galvanized Steel Backing Plate.....	2.09	
09 22 16 13-0029	LF	8" Wide, 25 Gauge Galvanized Steel Backing Plate.....	2.55	
09 22 16 13-0030	LF	10" Wide, 25 Gauge Galvanized Steel Backing Plate.....	2.99	
09 22 16 13-0031	LF	12" Wide, 25 Gauge Galvanized Steel Backing Plate.....	3.55	
09 22 16 13-0032	LF	3" Wide, 20 Gauge Galvanized Steel Backing Plate.....	1.71	
09 22 16 13-0033	LF	4" Wide, 20 Gauge Galvanized Steel Backing Plate.....	2.10	
09 22 16 13-0034	LF	6" Wide, 20 Gauge Galvanized Steel Backing Plate.....	2.79	
09 22 16 13-0035	LF	8" Wide, 20 Gauge Galvanized Steel Backing Plate.....	3.46	
09 22 16 13-0036	LF	10" Wide, 20 Gauge Galvanized Steel Backing Plate.....	4.15	
09 22 16 13-0037	LF	12" Wide, 20 Gauge Galvanized Steel Backing Plate.....	4.93	
09 22 16 13-0038	LF	3" Wide, 16 Gauge Galvanized Steel Backing Plate.....	2.30	
09 22 16 13-0039	LF	4" Wide, 16 Gauge Galvanized Steel Backing Plate.....	2.85	
09 22 16 13-0040	LF	6" Wide, 16 Gauge Galvanized Steel Backing Plate.....	3.84	
09 22 16 13-0041	LF	8" Wide, 16 Gauge Galvanized Steel Backing Plate.....	4.83	
09 22 16 13-0042	LF	10" Wide, 16 Gauge Galvanized Steel Backing Plate.....	5.90	
09 22 16 13-0043	LF	12" Wide, 16 Gauge Galvanized Steel Backing Plate.....	6.95	
09 22 16 13-0044	LF	3" Wide, 14 Gauge Galvanized Steel Backing Plate.....	2.69	
09 22 16 13-0045	LF	4" Wide, 14 Gauge Galvanized Steel Backing Plate.....	3.38	
09 22 16 13-0046	LF	6" Wide, 14 Gauge Galvanized Steel Backing Plate.....	4.62	
09 22 16 13-0047	LF	8" Wide, 14 Gauge Galvanized Steel Backing Plate.....	5.87	
09 22 16 13-0048	LF	10" Wide, 14 Gauge Galvanized Steel Backing Plate.....	7.21	
09 22 16 13-0049	LF	12" Wide, 14 Gauge Galvanized Steel Backing Plate.....	8.51	

**09 22 36 Lath** (09 22)

**09 22 36 13 Gypsum Lath** (09 22 36)

**09 22 36 13-0001 Plaster Base Gypsum Panels** (09 22 36 13)

09 22 36 13-0002	SF	3/8" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel.....	1.38	0.47
		<i>For Walls &gt;10' High, Add</i>	0.12	
		<i>For Up To 100, Add</i>	0.47	
		<i>For &gt;100 To 500, Add</i>	0.24	
		<i>For &gt;5,000, Deduct</i>	-0.09	
09 22 36 13-0003	SF	1/2" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel.....	1.90	0.54
		<i>For Walls &gt;10' High, Add</i>	0.14	
		<i>For Up To 100, Add</i>	0.55	
		<i>For &gt;100 To 500, Add</i>	0.27	
		<i>For &gt;5,000, Deduct</i>	-0.11	
09 22 36 13-0004	SF	5/8" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel.....	2.41	0.62
		<i>For Walls &gt;10' High, Add</i>	0.16	
		<i>For Up To 100, Add</i>	0.62	
		<i>For &gt;100 To 500, Add</i>	0.31	
		<i>For &gt;5,000, Deduct</i>	-0.12	
09 22 36 13-0005	SF	3/8" Thick, Installed On Ceiling, Plaster Base Gypsum Panel.....	1.76	0.65
		<i>For Ceilings &gt;10' High, Add</i>	0.20	
		<i>For Up To 100, Add</i>	0.66	
		<i>For &gt;100 To 500, Add</i>	0.33	
		<i>For &gt;5,000, Deduct</i>	-0.13	
09 22 36 13-0006	SF	1/2" Thick, Installed On Ceiling, Plaster Base Gypsum Panel.....	2.33	0.76
		<i>For Ceilings &gt;10' High, Add</i>	0.23	
		<i>For Up To 100, Add</i>	0.76	
		<i>For &gt;100 To 500, Add</i>	0.38	
		<i>For &gt;5,000, Deduct</i>	-0.15	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 22 36 13-0007	SF			5/8" Thick, Installed On Ceiling, Plaster Base Gypsum Panel .....	2.91	0.87
				<i>For Ceilings &gt;10' High, Add</i>	0.26	
				<i>For Up To 100, Add</i>	0.87	
				<i>For &gt;100 To 500, Add</i>	0.44	
				<i>For &gt;5,000, Deduct</i>	-0.17	
09 22 36 13-0008	SF			3/8" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel.....	2.13	0.84
				<i>For Columns And Beams &gt;10' High, Add</i>	0.25	
				<i>For Up To 100, Add</i>	0.85	
				<i>For &gt;100 To 500, Add</i>	0.42	
				<i>For &gt;5,000, Deduct</i>	-0.17	
09 22 36 13-0009	SF			1/2" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel.....	2.76	0.98
				<i>For Columns And Beams &gt;10' High, Add</i>	0.29	
				<i>For Up To 100, Add</i>	0.98	
				<i>For &gt;100 To 500, Add</i>	0.49	
				<i>For &gt;5,000, Deduct</i>	-0.20	
09 22 36 13-0010	SF			5/8" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel.....	3.40	1.13
				<i>For Columns And Beams &gt;10' High, Add</i>	0.33	
				<i>For Up To 100, Add</i>	1.12	
				<i>For &gt;100 To 500, Add</i>	0.56	
				<i>For &gt;5,000, Deduct</i>	-0.22	

**09 22 36 13-0011 Firestop Plaster Base Gypsum Panels** (09 22 36 13)

09 22 36 13-0012	SF			3/8" Thick, Installed On Studs Or Furred Walls, Firestop Plaster Base Gypsum Panel.....	1.91	0.47
				<i>For Walls &gt;10' High, Add</i>	0.12	
				<i>For Up To 100, Add</i>	0.47	
				<i>For &gt;100 To 500, Add</i>	0.24	
				<i>For &gt;5,000, Deduct</i>	-0.09	
09 22 36 13-0013	SF			1/2" Thick, Installed On Studs Or Furred Walls, Firestop Plaster Base Gypsum Panel.....	2.22	0.54
				<i>For Walls &gt;10' High, Add</i>	0.14	
				<i>For Up To 100, Add</i>	0.55	
				<i>For &gt;100 To 500, Add</i>	0.27	
				<i>For &gt;5,000, Deduct</i>	-0.11	
09 22 36 13-0014	SF			3/8" Thick, Installed On Ceilings, Firestop Plaster Base Gypsum Panel.....	2.29	0.65
				<i>For Ceilings &gt;10' High, Add</i>	0.20	
				<i>For Up To 100, Add</i>	0.66	
				<i>For &gt;100 To 500, Add</i>	0.33	
				<i>For &gt;5,000, Deduct</i>	-0.13	
09 22 36 13-0015	SF			1/2" Thick, Installed On Ceilings, Firestop Plaster Base Gypsum Panel.....	2.65	0.76
				<i>For Ceilings &gt;10' High, Add</i>	0.23	
				<i>For Up To 100, Add</i>	0.76	
				<i>For &gt;100 To 500, Add</i>	0.38	
				<i>For &gt;5,000, Deduct</i>	-0.15	
09 22 36 13-0016	SF			3/8" Thick, Installed On Columns And Beams, Firestop Plaster Base Gypsum Panel.....	2.66	0.84
				<i>For Columns And Beams &gt;10' High, Add</i>	0.25	
				<i>For Up To 100, Add</i>	0.85	
				<i>For &gt;100 To 500, Add</i>	0.42	
				<i>For &gt;5,000, Deduct</i>	-0.17	
09 22 36 13-0017	SF			1/2" Thick, Installed On Columns And Beams, Firestop Plaster Base Gypsum Panel.....	3.08	0.98
				<i>For Columns And Beams &gt;10' High, Add</i>	0.29	
				<i>For Up To 100, Add</i>	0.98	
				<i>For &gt;100 To 500, Add</i>	0.49	
				<i>For &gt;5,000, Deduct</i>	-0.20	

**09 22 36 13-0018 Foil Back Plaster Base Gypsum Panels** (09 22 36 13)

09 22 36 13-0019	SF			3/8" Thick, Installed On Studs Or Furred Walls, Foil Back Plaster Base Gypsum Panel.....	1.91	0.47
				<i>For Walls &gt;10' High, Add</i>	0.12	
				<i>For Up To 100, Add</i>	0.47	
				<i>For &gt;100 To 500, Add</i>	0.24	
				<i>For &gt;5,000, Deduct</i>	-0.09	
09 22 36 13-0020	SF			1/2" Thick, Installed On Studs Or Furred Walls, Foil Back Plaster Base Gypsum Panel.....	2.22	0.54
				<i>For Walls &gt;10' High, Add</i>	0.14	
				<i>For Up To 100, Add</i>	0.55	
				<i>For &gt;100 To 500, Add</i>	0.27	
				<i>For &gt;5,000, Deduct</i>	-0.11	
09 22 36 13-0021	SF			3/8" Thick, Installed On Ceiling, Foil Back Plaster Base Gypsum Panel.....	2.29	0.65
				<i>For Ceilings &gt;10' High, Add</i>	0.20	
				<i>For Up To 100, Add</i>	0.66	
				<i>For &gt;100 To 500, Add</i>	0.33	
				<i>For &gt;5,000, Deduct</i>	-0.13	
09 22 36 13-0022	SF			1/2" Thick, Installed On Ceiling, Foil Back Plaster Base Gypsum Panel.....	2.65	0.76
				<i>For Ceilings &gt;10' High, Add</i>	0.23	
				<i>For Up To 100, Add</i>	0.76	
				<i>For &gt;100 To 500, Add</i>	0.38	
				<i>For &gt;5,000, Deduct</i>	-0.15	
09 22 36 13-0023	SF			3/8" Thick, Installed On Columns And Beams, Foil Back Plaster Base Gypsum Panel.....	2.66	0.84
				<i>For Columns And Beams &gt;10' High, Add</i>	0.25	
				<i>For Up To 100, Add</i>	0.85	
				<i>For &gt;100 To 500, Add</i>	0.42	
				<i>For &gt;5,000, Deduct</i>	-0.17	
09 22 36 13-0024	SF			1/2" Thick, Installed On Columns And Beams, Foil Back Plaster Base Gypsum Panel.....	3.08	0.98
				<i>For Columns And Beams &gt;10' High, Add</i>	0.29	
				<i>For Up To 100, Add</i>	0.98	
				<i>For &gt;100 To 500, Add</i>	0.49	
				<i>For &gt;5,000, Deduct</i>	-0.20	

**09 22 36 23 Metal Lath** (09 22 36)

**09 Finishes**

**09 20 Plaster and Gypsum Board**

**09 22 Supports for Plaster and Gypsum Board**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>09 22 36 23-0001 Flat Diamond, Expanded Metal Lath</b> <small>(09 22 36 23)</small>			
09 22 36 23-0002	SF 1.75 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath .....	2.24	0.65
	<i>For Walls &gt;10' High, Add</i>	0.18	
	<i>For Paper Backed Lath, Add</i>	0.06	
	<i>For Up To 100, Add</i>	0.73	
	<i>For &gt;100 To 500, Add</i>	0.36	
	<i>For &gt;5,000, Deduct</i>	-0.15	
09 22 36 23-0003	SF 2 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath .....	2.35	0.65
	<i>For Walls &gt;10' High, Add</i>	0.18	
	<i>For Paper Backed Lath, Add</i>	0.06	
	<i>For Up To 100, Add</i>	0.73	
	<i>For &gt;100 To 500, Add</i>	0.36	
	<i>For &gt;5,000, Deduct</i>	-0.15	
09 22 36 23-0004	SF 2.5 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath .....	2.45	0.65
	<i>For Walls &gt;10' High, Add</i>	0.18	
	<i>For Paper Backed Lath, Add</i>	0.06	
	<i>For Up To 100, Add</i>	0.73	
	<i>For &gt;100 To 500, Add</i>	0.36	
	<i>For &gt;5,000, Deduct</i>	-0.15	
09 22 36 23-0005	SF 3.4 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath .....	2.82	0.69
	<i>For Walls &gt;10' High, Add</i>	0.19	
	<i>For Paper Backed Lath, Add</i>	0.06	
	<i>For Up To 100, Add</i>	0.78	
	<i>For &gt;100 To 500, Add</i>	0.39	
	<i>For &gt;5,000, Deduct</i>	-0.16	
09 22 36 23-0006	SF 1.75 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath.....	2.45	0.74
	<i>For Ceilings &gt;10' High, Add</i>	0.25	
	<i>For Paper Backed Lath, Add</i>	0.06	
	<i>For Up To 100, Add</i>	0.83	
	<i>For &gt;100 To 500, Add</i>	0.42	
	<i>For &gt;5,000, Deduct</i>	-0.17	
09 22 36 23-0007	SF 2 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath.....	2.56	0.74
	<i>For Ceilings &gt;10' High, Add</i>	0.25	
	<i>For Paper Backed Lath, Add</i>	0.06	
	<i>For Up To 100, Add</i>	0.83	
	<i>For &gt;100 To 500, Add</i>	0.42	
	<i>For &gt;5,000, Deduct</i>	-0.17	
09 22 36 23-0008	SF 2.5 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath.....	2.66	0.74
	<i>For Ceilings &gt;10' High, Add</i>	0.25	
	<i>For Paper Backed Lath, Add</i>	0.06	
	<i>For Up To 100, Add</i>	0.83	
	<i>For &gt;100 To 500, Add</i>	0.42	
	<i>For &gt;5,000, Deduct</i>	-0.17	
09 22 36 23-0009	SF 3.4 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath.....	2.93	0.74
	<i>For Ceilings &gt;10' High, Add</i>	0.25	
	<i>For Paper Backed Lath, Add</i>	0.06	
	<i>For Up To 100, Add</i>	0.83	
	<i>For &gt;100 To 500, Add</i>	0.42	
	<i>For &gt;5,000, Deduct</i>	-0.17	
09 22 36 23-0010	SF 1.75 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath .....	3.24	1.05
	<i>For Columns And Beams &gt;10' High, Add</i>	0.35	
	<i>For Paper Backed Lath, Add</i>	0.06	
	<i>For Up To 100, Add</i>	1.16	
	<i>For &gt;100 To 500, Add</i>	0.58	
	<i>For &gt;5,000, Deduct</i>	-0.23	
09 22 36 23-0011	SF 2 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath .....	3.34	1.05
	<i>For Columns And Beams &gt;10' High, Add</i>	0.35	
	<i>For Paper Backed Lath, Add</i>	0.06	
	<i>For Up To 100, Add</i>	1.16	
	<i>For &gt;100 To 500, Add</i>	0.58	
	<i>For &gt;5,000, Deduct</i>	-0.23	
09 22 36 23-0012	SF 2.5 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath .....	3.45	1.05
	<i>For Columns And Beams &gt;10' High, Add</i>	0.35	
	<i>For Paper Backed Lath, Add</i>	0.06	
	<i>For Up To 100, Add</i>	1.16	
	<i>For &gt;100 To 500, Add</i>	0.58	
	<i>For &gt;5,000, Deduct</i>	-0.23	
09 22 36 23-0013	SF 3.4 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath .....	4.29	1.31
	<i>For Columns And Beams &gt;10' High, Add</i>	0.44	
	<i>For Paper Backed Lath, Add</i>	0.06	
	<i>For Up To 100, Add</i>	1.45	
	<i>For &gt;100 To 500, Add</i>	0.73	
	<i>For &gt;5,000, Deduct</i>	-0.29	
<b>09 22 36 23-0014 Self Furring, Flat Diamond, Expanded Metal Lath</b> <small>(09 22 36 23)</small>			
09 22 36 23-0015	SF 1.75 LB/SY, Installed On Solid Wall Surface, Self Furring, Flat Diamond, Expanded Metal Lath .....	2.34	0.69
	<i>For Walls &gt;10' High, Add</i>	0.19	
	<i>For Paper Backed Lath, Add</i>	0.06	
	<i>For Up To 100, Add</i>	0.78	
	<i>For &gt;100 To 500, Add</i>	0.39	
	<i>For &gt;5,000, Deduct</i>	-0.16	
09 22 36 23-0016	SF 2.0 LB/SY, Installed On Solid Wall Surface, Self Furring, Flat Diamond, Expanded Metal Lath .....	2.45	0.69
	<i>For Walls &gt;10' High, Add</i>	0.19	
	<i>For Paper Backed Lath, Add</i>	0.06	
	<i>For Up To 100, Add</i>	0.78	
	<i>For &gt;100 To 500, Add</i>	0.39	
	<i>For &gt;5,000, Deduct</i>	-0.16	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 22 36 23-0017	SF			2.5 LB/SY, Installed On Solid Wall Surface, Self Furring, Flat Diamond, Expanded Metal Lath.....	2.55	0.69
				<i>For Walls &gt;10' High, Add</i>	0.19	
				<i>For Paper Backed Lath, Add</i>	0.06	
				<i>For Up To 100, Add</i>	0.78	
				<i>For &gt;100 To 500, Add</i>	0.39	
				<i>For &gt;5,000, Deduct</i>	-0.16	
09 22 36 23-0018	SF			3.4 LB/SY, Installed On Solid Wall Surface, Self Furring, Flat Diamond, Expanded Metal Lath.....	2.82	0.69
				<i>For Walls &gt;10' High, Add</i>	0.19	
				<i>For Paper Backed Lath, Add</i>	0.06	
				<i>For Up To 100, Add</i>	0.78	
				<i>For &gt;100 To 500, Add</i>	0.39	
				<i>For &gt;5,000, Deduct</i>	-0.16	
09 22 36 23-0019	SF			1.75 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath.....	3.82	1.31
				<i>For Columns And Beams &gt;10' High, Add</i>	0.44	
				<i>For Paper Backed Lath, Add</i>	0.06	
				<i>For Up To 100, Add</i>	1.45	
				<i>For &gt;100 To 500, Add</i>	0.73	
				<i>For &gt;5,000, Deduct</i>	-0.29	
09 22 36 23-0020	SF			2.0 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath.....	3.92	1.31
				<i>For Columns And Beams &gt;10' High, Add</i>	0.44	
				<i>For Paper Backed Lath, Add</i>	0.06	
				<i>For Up To 100, Add</i>	1.45	
				<i>For &gt;100 To 500, Add</i>	0.73	
				<i>For &gt;5,000, Deduct</i>	-0.29	
09 22 36 23-0021	SF			2.5 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath.....	4.03	1.31
				<i>For Columns And Beams &gt;10' High, Add</i>	0.44	
				<i>For Paper Backed Lath, Add</i>	0.06	
				<i>For Up To 100, Add</i>	1.45	
				<i>For &gt;100 To 500, Add</i>	0.73	
				<i>For &gt;5,000, Deduct</i>	-0.29	
09 22 36 23-0022	SF			3.4 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath.....	4.70	1.50
				<i>For Columns And Beams &gt;10' High, Add</i>	0.50	
				<i>For Paper Backed Lath, Add</i>	0.06	
				<i>For Up To 100, Add</i>	1.66	
				<i>For &gt;100 To 500, Add</i>	0.83	
				<i>For &gt;5,000, Deduct</i>	-0.33	

**09 22 36 23-0023 High Rib Metal Lath** (09 22 36 23)

09 22 36 23-0024	SF			2.75 LB/SY, Installed On Ceiling, 1/8" High Rib Metal Lath .....	2.75	0.74
				<i>For Ceilings &gt;10' High, Add</i>	0.25	
				<i>For Up To 100, Add</i>	0.83	
				<i>For &gt;100 To 500, Add</i>	0.42	
				<i>For &gt;5,000, Deduct</i>	-0.17	
09 22 36 23-0025	SF			3.4 LB/SY, Installed On Ceiling, 1/8" High Rib Metal Lath .....	2.90	0.74
				<i>For Ceilings &gt;10' High, Add</i>	0.25	
				<i>For Up To 100, Add</i>	0.83	
				<i>For &gt;100 To 500, Add</i>	0.42	
				<i>For &gt;5,000, Deduct</i>	-0.17	
09 22 36 23-0026	SF			3.4 LB/SY, Installed On Ceiling, 3/8" High Rib Metal Lath .....	2.99	0.74
				<i>For Ceilings &gt;10' High, Add</i>	0.25	
				<i>For Up To 100, Add</i>	0.83	
				<i>For &gt;100 To 500, Add</i>	0.42	
				<i>For &gt;5,000, Deduct</i>	-0.17	
09 22 36 23-0027	SF			4.0 LB/SY, Installed On Ceiling, 3/8" High Rib Metal Lath .....	3.16	0.74
				<i>For Ceilings &gt;10' High, Add</i>	0.25	
				<i>For Up To 100, Add</i>	0.83	
				<i>For &gt;100 To 500, Add</i>	0.42	
				<i>For &gt;5,000, Deduct</i>	-0.17	

**09 22 36 33 Fiberglass Lath** (09 22 36)

**09 22 36 33-0001 Non-Metallic, Fiberglass Lath** (09 22 36 33)

09 22 36 33-0002	SF			1/8" Thick, Installed On Ceiling, Non-Metallic, Fiberglass Lath.....	2.98	0.74
				<i>For Ceilings &gt;10' High, Add</i>	0.25	
				<i>For Up To 100, Add</i>	0.83	
				<i>For &gt;100 To 500, Add</i>	0.42	
				<i>For &gt;5,000, Deduct</i>	-0.17	
09 22 36 33-0003	SF			1/4" Thick, Installed On Ceiling, Non-Metallic, Fiberglass Lath.....	3.18	0.74
				<i>For Ceilings &gt;10' High, Add</i>	0.25	
				<i>For Up To 100, Add</i>	0.83	
				<i>For &gt;100 To 500, Add</i>	0.42	
				<i>For &gt;5,000, Deduct</i>	-0.17	
09 22 36 33-0004	SF			1/8" Thick, Installed On Solid Wall Surface, Non-Metallic, Fiberglass Lath .....	2.87	0.69
				<i>For Walls &gt;10' High, Add</i>	0.19	
				<i>For Up To 100, Add</i>	0.78	
				<i>For &gt;100 To 500, Add</i>	0.39	
				<i>For &gt;5,000, Deduct</i>	-0.16	
09 22 36 33-0005	SF			1/4" Thick, Installed On Solid Wall Surface, Non-Metallic, Fiberglass Lath .....	3.07	0.69
				<i>For Walls &gt;10' High, Add</i>	0.19	
				<i>For Up To 100, Add</i>	0.78	
				<i>For &gt;100 To 500, Add</i>	0.39	
				<i>For &gt;5,000, Deduct</i>	-0.16	

**09 23 Gypsum Plastering** (09 20)

**09 23 13 Acoustical Gypsum Plastering** (09 23)

Note: Excludes lath, furring and studs. See CSI section 09 22 00 00-0000 for metal studs and furring, 09 22 36 00-0000 for

**09 Finishes**  
**09 20 Plaster and Gypsum Board**  
**09 23 Gypsum Plastering**



MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

lath.			
09 23 13 00-0001	Casing And Corner Beads <small>(09 23 13)</small>		
09 23 13 00-0002	LF Galvanized Expanded Flange Casing Bead For Plaster Applications.....	4.28	1.05
09 23 13 00-0003	LF Zinc Expanded Flange Casing Bead For Plaster Applications.....	4.29	1.05
09 23 13 00-0004	LF Vinyl Expanded Flange Casing Bead For Plaster Applications.....	4.23	1.05
09 23 13 00-0005	LF Galvanized Corner Bead For Plaster Applications.....	4.12	1.05
09 23 13 00-0006	LF Vinyl Corner Bead For Plaster Applications.....	4.03	1.05
09 23 13 00-0007	Trim <small>(09 23 13)</small>		
09 23 13 00-0008	LF Galvanized "J" Trim For Plaster Applications.....	4.50	1.05
	<i>For Vinyl Instead Of Galvanized, Add</i>	0.23	
	<i>For Zinc Instead Of Galvanized, Add</i>	1.54	
09 23 13 00-0009	LF Galvanized "L" Trim For Plaster Applications.....	4.50	1.05
	<i>For Vinyl Instead Of Galvanized, Add</i>	0.23	
	<i>For Zinc Instead Of Galvanized, Add</i>	1.54	
09 23 13 00-0010	LF Galvanized "U" Trim For Plaster Applications.....	4.50	1.05
	<i>For Vinyl Instead Of Galvanized, Add</i>	0.23	
	<i>For Zinc Instead Of Galvanized, Add</i>	1.54	
09 23 13 00-0011	Plaster Forms And Expansion Joints <small>(09 23 13)</small>		
09 23 13 00-0012	LF 3/4" Galvanized Expansion Joint For Plaster Applications.....	5.01	1.05
09 23 13 00-0013	One Skim Coat Gypsum Plaster On Walls <small>(09 23 13)</small>		
09 23 13 00-0014	SF Skim Coat One Coat Gypsum Plaster On Walls.....	1.22	
	<i>For Walls &gt;10' High, Add</i>	0.11	
	<i>For Horizontal Installation Up To 10' High, Add</i>	0.16	
	<i>For Horizontal Installation &gt;10' High, Add</i>	0.32	
	<i>For Columns Or Beams Up To 10' High, Add</i>	0.33	
	<i>For Columns Or Beams &gt;10' High, Add</i>	0.48	
	<i>For Up To 100, Add</i>	0.53	
	<i>For &gt;100 To 500, Add</i>	0.26	
	<i>For &gt;5,000, Deduct</i>	-0.21	
09 23 13 00-0015	SF For Each Additional Coat Over One, Skim Coat Gypsum Plaster On Walls.....	0.89	
	<i>For Walls &gt;10' High, Add</i>	0.08	
	<i>For Horizontal Installation Up To 10' High, Add</i>	0.11	
	<i>For Horizontal Installation &gt;10' High, Add</i>	0.23	
	<i>For Columns Or Beams Up To 10' High, Add</i>	0.24	
	<i>For Columns Or Beams &gt;10' High, Add</i>	0.35	
	<i>For Up To 100, Add</i>	0.38	
	<i>For &gt;100 To 500, Add</i>	0.19	
	<i>For &gt;5,000, Deduct</i>	-0.15	
09 23 13 00-0016	Two Coats Gypsum Plaster On Walls <small>(09 23 13)</small>		
09 23 13 00-0017	SF Smooth Finish Two Coats Gypsum Plaster On Walls.....	6.08	3.50
	<i>For Walls &gt;10' High, Add</i>	0.58	
	<i>For Horizontal Installation Up To 10' High, Add</i>	0.87	
	<i>For Horizontal Installation &gt;10' High, Add</i>	1.73	
	<i>For Columns Or Beams Up To 10' High, Add</i>	1.79	
	<i>For Columns Or Beams &gt;10' High, Add</i>	2.65	
	<i>For Up To 100, Add</i>	2.89	
	<i>For &gt;100 To 500, Add</i>	1.44	
	<i>For &gt;5,000, Deduct</i>	-1.15	
09 23 13 00-0018	SF Sand Aggregate Two Coats Gypsum Plaster On Walls.....	6.24	3.30
	<i>For Walls &gt;10' High, Add</i>	0.54	
	<i>For Horizontal Installation Up To 10' High, Add</i>	0.81	
	<i>For Horizontal Installation &gt;10' High, Add</i>	1.62	
	<i>For Columns Or Beams Up To 10' High, Add</i>	1.68	
	<i>For Columns Or Beams &gt;10' High, Add</i>	2.49	
	<i>For Up To 100, Add</i>	2.71	
	<i>For &gt;100 To 500, Add</i>	1.35	
	<i>For &gt;5,000, Deduct</i>	-1.08	
09 23 13 00-0019	SF Perlite Or Vermiculite Two Coats Gypsum Plaster On Walls.....	6.23	3.30
	<i>For Walls &gt;10' High, Add</i>	0.54	
	<i>For Horizontal Installation Up To 10' High, Add</i>	0.81	
	<i>For Horizontal Installation &gt;10' High, Add</i>	1.62	
	<i>For Columns Or Beams Up To 10' High, Add</i>	1.68	
	<i>For Columns Or Beams &gt;10' High, Add</i>	2.49	
	<i>For Up To 100, Add</i>	2.71	
	<i>For &gt;100 To 500, Add</i>	1.35	
	<i>For &gt;5,000, Deduct</i>	-1.08	
09 23 13 00-0020	Three Coats Gypsum Plaster On Walls <small>(09 23 13)</small>		
09 23 13 00-0021	SF Smooth Finish Three Coats Gypsum Plaster On Walls.....	7.34	4.26
	<i>For Walls &gt;10' High, Add</i>	0.69	
	<i>For Horizontal Installation Up To 10' High, Add</i>	1.03	
	<i>For Horizontal Installation &gt;10' High, Add</i>	2.07	
	<i>For Columns Or Beams Up To 10' High, Add</i>	2.14	
	<i>For Columns Or Beams &gt;10' High, Add</i>	3.17	
	<i>For Up To 100, Add</i>	3.45	
	<i>For &gt;100 To 500, Add</i>	1.72	
	<i>For &gt;5,000, Deduct</i>	-1.38	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 23 13 00-0022	SF			Sand Aggregate Three Coats Gypsum Plaster On Walls .....	7.35	3.87
				For Walls >10' High, Add	0.64	
				For Horizontal Installation Up To 10' High, Add	0.96	
				For Horizontal Installation >10' High, Add	1.91	
				For Columns Or Beams Up To 10' High, Add	1.98	
				For Columns Or Beams >10' High, Add	2.93	
				For Up To 100, Add	3.19	
				For >100 To 500, Add	1.60	
				For >5,000, Deduct	-1.28	
09 23 13 00-0023	SF			Perlite Or Vermiculite Three Coats Gypsum Plaster On Walls .....	6.90	3.87
				For Walls >10' High, Add	0.64	
				For Horizontal Installation Up To 10' High, Add	0.95	
				For Horizontal Installation >10' High, Add	1.91	
				For Columns Or Beams Up To 10' High, Add	1.97	
				For Columns Or Beams >10' High, Add	2.92	
				For Up To 100, Add	3.18	
				For >100 To 500, Add	1.59	
				For >5,000, Deduct	-1.27	

**09 23 13 00-0024 Plaster Bonding Agent** (09 23 13)

09 23 13 00-0025	SF			1 Coat, Brush/Roller Plaster Bonding Agent.....	0.68	
				For Walls >10' High, Add	0.05	
				For Columns Or Beams Up To 10' High, Add	0.17	
				For Columns Or Beams >10' High, Add	0.25	
				For Ceiling Application Up To 10' High, Add	0.07	
				For Ceiling Application >10' High, Add	0.13	

**09 24 Cement Plastering** (09 20)

**09 24 13 Acoustical Cement Plastering** (09 24)

**09 24 13 00-0001 Keene's Cement Plaster, Quick Setting, White Hard Plaster** (09 24 13)

Note: Used for areas with higher than normal moisture.

09 24 13 00-0002	SF			1 Coat Keene's Cement Plaster On Walls .....	4.84	2.36
				For Walls >10' High, Add	0.38	
				For Horizontal Installation Up To 10' High, Add	0.57	
				For Horizontal Installation >10' High, Add	1.13	
				For Columns Or Beams Up To 10' High, Add	1.17	
				For Columns Or Beams >10' High, Add	1.74	
				For Up To 100, Add	1.89	
				For >100 To 500, Add	0.95	
				For >5,000, Deduct	-0.76	
09 24 13 00-0003	SF			2 Coat Keene's Cement Plaster On Walls .....	7.33	3.69
				For Walls >10' High, Add	0.60	
				For Horizontal Installation Up To 10' High, Add	0.90	
				For Horizontal Installation >10' High, Add	1.80	
				For Columns Or Beams Up To 10' High, Add	1.86	
				For Columns Or Beams >10' High, Add	2.76	
				For Up To 100, Add	3.00	
				For >100 To 500, Add	1.50	
				For >5,000, Deduct	-1.20	
09 24 13 00-0004	SF			3 Coat Keene's Cement Plaster On Walls .....	8.30	4.15
				For Walls >10' High, Add	0.68	
				For Horizontal Installation Up To 10' High, Add	1.02	
				For Horizontal Installation >10' High, Add	2.03	
				For Columns Or Beams Up To 10' High, Add	2.10	
				For Columns Or Beams >10' High, Add	3.12	
				For Up To 100, Add	3.39	
				For >100 To 500, Add	1.70	
				For >5,000, Deduct	-1.36	

**09 24 23 Cement Stucco** (09 24)

Note: Packaged product reinforced with fibers. All plastering excludes lath, furring or studs except as noted. See CSI section 09 22 00 00-0000 for metal studs and furring.

**09 24 23 00-0001 Stucco** (09 24 23)

Note: Excludes wall scaffolding or lifting equipment. See CSI section 09 22 36 00-0000 for lath.

09 24 23 00-0002	SF			Scratch/Brown/Finish, Three Coat Troweled Stucco .....	9.18	2.93
				Note: Excludes lath and felt. Interior or exterior, one side.		
				For Walls >10' High, Add	0.80	
				For Horizontal Installation Up To 10' High, Add	1.20	
				For Horizontal Installation >10' High, Add	2.40	
				For Columns Or Beams Up To 10' High, Add	2.48	
				For Columns Or Beams >10' High, Add	3.68	
				For Color Added To Finish Coat, Add	0.15	
				For Smooth Float Finish, Add	1.68	
				For Up To 100, Add	4.01	
				For >100 To 500, Add	2.00	
				For >5,000, Deduct	-1.60	

**09 Finishes**  
**09 20 Plaster and Gypsum Board**  
**09 24 Cement Plastering**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 24 23 00-0003	SF Scratch/Brown, Two Coat Troweled Stucco..... Note: Excludes lath and felt. Interior or exterior, one side.	3.95	1.42
	For Walls >10' High, Add	0.29	
	For Horizontal Installation Up To 10' High, Add	0.44	
	For Horizontal Installation >10' High, Add	0.88	
	For Columns Or Beams Up To 10' High, Add	0.91	
	For Columns Or Beams >10' High, Add	1.35	
	For Up To 100, Add	1.47	
	For >100 To 500, Add	0.73	
	For >5,000, Deduct	-0.59	
09 24 23 00-0004	SF Scratch/Finish, Two Coat Troweled Stucco ..... Note: Excludes lath and felt. Interior or exterior, one side.	6.05	1.42
	For Walls >10' High, Add	0.52	
	For Horizontal Installation Up To 10' High, Add	0.78	
	For Horizontal Installation >10' High, Add	1.56	
	For Columns Or Beams Up To 10' High, Add	1.61	
	For Columns Or Beams >10' High, Add	2.39	
	For Color Added To Finish Coat, Add	0.15	
	For Smooth Float Finish, Add	1.43	
	For Up To 100, Add	2.60	
	For >100 To 500, Add	1.30	
	For >5,000, Deduct	-1.04	
09 24 23 00-0005	SF Finish Coat Troweled Stucco..... Note: Excludes lath and felt. Interior or exterior, one side.	3.92	0.94
	For Walls >10' High, Add	0.38	
	For Horizontal Installation Up To 10' High, Add	0.57	
	For Horizontal Installation >10' High, Add	1.13	
	For Columns Or Beams Up To 10' High, Add	1.17	
	For Columns Or Beams >10' High, Add	1.74	
	For Color Added To Finish Coat, Add	0.15	
	For Smooth Float Finish, Add	1.43	
	For Up To 100, Add	1.89	
	For >100 To 500, Add	0.95	
	For >5,000, Deduct	-0.76	

**09 24 33 Cement Parging (09 24)**

09 24 33 00-0001	Cement Parging (09 24 33)		
09 24 33 00-0002	SF 1/8" Thick Sand And Cement Parging.....	3.59	
09 24 33 00-0003	SF 1/4" Thick Sand And Cement Parging.....	4.60	
09 24 33 00-0004	SF 1/2" Thick Sand And Cement Parging.....	5.76	

**09 28 Backing Boards and Underlayments (09 20)**

**09 28 13 Cementitious Backing Boards (09 28)**

09 28 13 00-0001	Cementitious Backer Units (09 28 13) Note: Installed with mechanical fasteners to floor, wall and ceiling surfaces. Use thin-set from setting methods section for floor installations as applicable.		
09 28 13 00-0002	SF 1/4" Cementitious Backer Units For Installation On Floors .....	4.22	0.69
	For Up To 50, Add	3.14	
	For >50 To 250, Add	0.56	
	For >1,000, Deduct	-0.28	
	For Installation On Wall, Add	0.56	
	For Installation On Ceiling, Add	1.39	
09 28 13 00-0003	SF 1/2" Cementitious Backer Units For Installation On Floors .....	4.82	0.84
	For Up To 50, Add	3.70	
	For >50 To 250, Add	0.67	
	For >1,000, Deduct	-0.33	
	For Installation On Wall, Add	0.67	
	For Installation On Ceiling, Add	1.67	
09 28 13 00-0004	SF 5/8" Cementitious Backer Units For Installation On Floors .....	5.99	0.97
	For Up To 50, Add	4.42	
	For >50 To 250, Add	0.78	
	For >1,000, Deduct	-0.39	
	For Installation On Wall, Add	0.78	
	For Installation On Ceiling, Add	1.95	

**09 28 16 Glass-Mat Faced Gypsum Backing Boards (09 28)**

09 28 16 00-0001	Glass Mat Faced Backer Units, DensShield (09 28 16) Note: Installed with mechanical fasteners to floor, wall and ceiling surfaces. Use thin-set from setting methods section for floor installations as applicable.		
09 28 16 00-0002	SF 1/2" DensShield Tile Backer For Installation On Floors .....	3.15	0.78
	For Up To 50, Add	2.28	
	For >50 To 250, Add	0.40	
	For >1,000, Deduct	-0.20	
	For Installation On Wall, Add	0.40	
	For Installation On Ceiling, Add	1.00	
09 28 16 00-0003	SF 5/8" DensShield Tile Backer For Installation On Floors .....	3.58	0.89
	For Up To 50, Add	2.57	
	For >50 To 250, Add	0.45	
	For >1,000, Deduct	-0.22	
	For Installation On Wall, Add	0.45	
	For Installation On Ceiling, Add	1.12	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**09 29 Gypsum Board** (09 20)

Note: Do not deduct for opens of less than 25 SF when calculating total wall square footage.

**09 29 10 Gypsum Board** (09 29)

**09 29 10 00-0001 Standard Gypsum Board Application** (09 29 10)

Note: Includes gypsum board screwed in place on walls, ceilings, beams, columns, soffits, etc.. Excludes finishing. See CSI section 09 01 20 91-0001 for small repairs, 09 29 10 00-0036 for finishing gypsum board, 09 29 10 00-0049 for casing and corner bead.

**09 29 10 00-0002 Standard Gypsum Board Application** (09 29 10 00-0001)

09 29 10 00-0003	SF	1/4" Gypsum Board.....	1.23	0.44
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.21	
		<i>For Adhesive Applied Sheets, Add</i>	0.10	
		<i>Note: Includes bracing until adhesive is bonded</i>		
		<i>For Horizontal Installation Up To 10' High, Add</i>	0.30	
		<i>For Horizontal Installation &gt;10' High, Add</i>	0.45	
		<i>For Walls &gt;10' High, Add</i>	0.07	
		<i>For Up To 128, Add</i>	0.42	
		<i>For &gt;128 To 320, Add</i>	0.26	
		<i>For &gt;1,536, Deduct</i>	-0.10	
09 29 10 00-0004	SF	3/8" Gypsum Board.....	1.34	0.50
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.23	
		<i>For Adhesive Applied Sheets, Add</i>	0.11	
		<i>Note: Includes bracing until adhesive is bonded</i>		
		<i>For Foil Back Board, Add</i>	0.10	
		<i>For Horizontal Installation Up To 10' High, Add</i>	0.34	
		<i>For Horizontal Installation &gt;10' High, Add</i>	0.50	
		<i>For Walls &gt;10' High, Add</i>	0.08	
		<i>For Up To 128, Add</i>	0.47	
		<i>For &gt;128 To 320, Add</i>	0.28	
		<i>For &gt;1,536, Deduct</i>	-0.10	
09 29 10 00-0005	SF	1/2" Gypsum Board.....	1.49	0.57
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.27	
		<i>For Adhesive Applied Sheets, Add</i>	0.12	
		<i>Note: Includes bracing until adhesive is bonded</i>		
		<i>For Foil Back Board, Add</i>	0.10	
		<i>For Horizontal Installation Up To 10' High, Add</i>	0.39	
		<i>For Horizontal Installation &gt;10' High, Add</i>	0.58	
		<i>For Walls &gt;10' High, Add</i>	0.09	
		<i>For Up To 128, Add</i>	0.53	
		<i>For &gt;128 To 320, Add</i>	0.32	
		<i>For &gt;1,536, Deduct</i>	-0.11	
09 29 10 00-0006	SF	5/8" Gypsum Board.....	1.74	0.66
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.31	
		<i>For Adhesive Applied Sheets, Add</i>	0.13	
		<i>Note: Includes bracing until adhesive is bonded</i>		
		<i>For Foil Back Board, Add</i>	0.10	
		<i>For Horizontal Installation Up To 10' High, Add</i>	0.45	
		<i>For Horizontal Installation &gt;10' High, Add</i>	0.66	
		<i>For Walls &gt;10' High, Add</i>	0.11	
		<i>For Up To 128, Add</i>	0.61	
		<i>For &gt;128 To 320, Add</i>	0.37	
		<i>For &gt;1,536, Deduct</i>	-0.13	

**09 29 10 00-0007 Fire Rated Gypsum Board Application** (09 29 10 00-0001)

**09 29 10 00-0008 Type X, Fire Rated Gypsum Board** (09 29 10 00-0007)

09 29 10 00-0009	SF	5/8" Type X Fire Rated Gypsum Board.....	1.86	0.66
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.34	
		<i>For Adhesive Applied Sheets, Add</i>	0.13	
		<i>Note: Includes bracing until adhesive is bonded</i>		
		<i>For Foil Back Board, Add</i>	0.10	
		<i>For Horizontal Installation Up To 10' High, Add</i>	0.49	
		<i>For Horizontal Installation &gt;10' High, Add</i>	0.73	
		<i>For Walls &gt;10' High, Add</i>	0.12	
		<i>For Up To 128, Add</i>	0.66	
		<i>For &gt;128 To 320, Add</i>	0.40	
		<i>For &gt;1,536, Deduct</i>	-0.13	

**09 29 10 00-0010 Type C, Fire Rated Gypsum Board** (09 29 10 00-0007)

09 29 10 00-0011	SF	1/2" Type C Fire Rated Gypsum Board .....	1.70	0.57
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.30	
		<i>For Adhesive Applied Sheets, Add</i>	0.12	
		<i>Note: Includes bracing until adhesive is bonded</i>		
		<i>For Foil Back Board, Add</i>	0.10	
		<i>For Horizontal Installation Up To 10' High, Add</i>	0.43	
		<i>For Horizontal Installation &gt;10' High, Add</i>	0.64	
		<i>For Walls &gt;10' High, Add</i>	0.10	
		<i>For Up To 128, Add</i>	0.59	
		<i>For &gt;128 To 320, Add</i>	0.36	
		<i>For &gt;1,536, Deduct</i>	-0.13	

**09 Finishes**  
**09 20 Plaster and Gypsum Board**  
**09 29 Gypsum Board**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 29 10 00-0012	SF 5/8" Type C Fire Rated Gypsum Board..... For Curved Surfaces With A 2'-0" Maximum Radius, Add For Adhesive Applied Sheets, Add Note: Includes bracing until adhesive is bonded For Foil Back Board, Add For Horizontal Installation Up To 10' High, Add For Horizontal Installation >10' High, Add For Walls >10' High, Add For Up To 128, Add For >128 To 320, Add For >1,536, Deduct	1.91 0.34 0.13  0.10 0.49 0.73 0.12 0.67 0.41 -0.14	0.66
<b>09 29 10 00-0013</b>	<b>Fire Rated Gypsum Board (Sheetrock® Ultracode®) (09 29 10 00-0007)</b>		
09 29 10 00-0014	SF 3/4" Fire Rated Gypsum Board (Sheetrock® Ultracode®)..... For Curved Surfaces With A 2'-0" Maximum Radius, Add For Adhesive Applied Sheets, Add Note: Includes bracing until adhesive is bonded For Horizontal Installation Up To 10' High, Add For Horizontal Installation >10' High, Add For Walls >10' High, Add For Up To 128, Add For >128 To 320, Add For >1,536, Deduct	2.49 0.34 0.13  0.49 0.73 0.12 0.79 0.47 -0.23	0.66
<b>09 29 10 00-0015</b>	<b>Moisture Resistant Gypsum Board Application (09 29 10 00-0001)</b> Note: Water-resistant gypsum core.		
09 29 10 00-0016	SF 1/2" Moisture Resistant Gypsum Board ..... For Curved Surfaces With A 2'-0" Maximum Radius, Add For Adhesive Applied Sheets, Add Note: Includes bracing until adhesive is bonded For Horizontal Installation Up To 10' High, Add For Horizontal Installation >10' High, Add For Walls >10' High, Add For Up To 128, Add For >128 To 320, Add For >1,536, Deduct	1.60 0.27 0.12  0.39 0.58 0.09 0.55 0.33 -0.13	0.57
09 29 10 00-0017	SF 5/8" Moisture Resistant Gypsum Board ..... For Curved Surfaces With A 2'-0" Maximum Radius, Add For Adhesive Applied Sheets, Add Note: Includes bracing until adhesive is bonded For Horizontal Installation Up To 10' High, Add For Horizontal Installation >10' High, Add For Walls >10' High, Add For Up To 128, Add For >128 To 320, Add For >1,536, Deduct	2.03 0.31 0.13  0.45 0.66 0.11 0.67 0.40 -0.17	0.57
<b>09 29 10 00-0018</b>	<b>Vinyl Faced Gypsum Board Application (09 29 10 00-0001)</b> Note: Includes clips and adhesive.		
09 29 10 00-0019	SF 3/8" Prefinished, Vinyl Faced Gypsum Board ..... For Curved Surfaces With A 2'-0" Maximum Radius, Add For Adhesive Applied Sheets, Add Note: Includes bracing until adhesive is bonded For Horizontal Installation Up To 10' High, Add For Horizontal Installation >10' High, Add For Walls >10' High, Add For Up To 128, Add For >128 To 320, Add For >1,536, Deduct	2.87 0.25 0.11  0.34 0.50 0.08 0.77 0.44 -0.33	0.44
09 29 10 00-0020	SF 1/2" Prefinished, Vinyl Faced Gypsum Board ..... For Curved Surfaces With A 2'-0" Maximum Radius, Add For Adhesive Applied Sheets, Add Note: Includes bracing until adhesive is bonded For Horizontal Installation Up To 10' High, Add For Horizontal Installation >10' High, Add For Walls >10' High, Add For Up To 128, Add For >128 To 320, Add For >1,536, Deduct	3.02 0.28 0.12  0.39 0.58 0.09 0.83 0.47 -0.34	0.57
09 29 10 00-0021	SF 5/8" Prefinished, Vinyl Faced Gypsum Board ..... For Curved Surfaces With A 2'-0" Maximum Radius, Add For Adhesive Applied Sheets, Add Note: Includes bracing until adhesive is bonded For Horizontal Installation Up To 10' High, Add For Horizontal Installation >10' High, Add For Walls >10' High, Add For Up To 128, Add For >128 To 320, Add For >1,536, Deduct	3.19 0.32 0.13  0.45 0.66 0.11 0.90 0.52 -0.35	0.66

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 29 10 00-0022	SF			1/2" Fire Rated, Prefinished Vinyl Faced Gypsum Board ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Adhesive Applied Sheets, Add</i> <i>Note: Includes bracing until adhesive is bonded</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation &gt;10' High, Add</i> <i>For Walls &gt;10' High, Add</i> <i>For Up To 128, Add</i> <i>For &gt;128 To 320, Add</i> <i>For &gt;1,536, Deduct</i>	3.46	0.57
					0.31	
					0.12	
					0.43	
					0.64	
					0.10	
					0.95	
					0.54	
					-0.39	
09 29 10 00-0023	SF			5/8" Fire Rated, Prefinished Vinyl Faced Gypsum Board ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Adhesive Applied Sheets, Add</i> <i>Note: Includes bracing until adhesive is bonded</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation &gt;10' High, Add</i> <i>For Walls &gt;10' High, Add</i> <i>For Up To 128, Add</i> <i>For &gt;128 To 320, Add</i> <i>For &gt;1,536, Deduct</i>	5.07	0.66
					0.37	
					0.13	
					0.49	
					0.73	
					0.12	
					1.30	
					0.72	
					-0.62	
<b>09 29 10 00-0024 Moisture And Mold Resistant Gypsum Board Application</b> <small>(09 29 10 00-0001)</small>						
09 29 10 00-0025	SF			1/2", Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Mold-Guard™) ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Adhesive Applied Sheets, Add</i> <i>Note: Includes bracing until adhesive is bonded</i> <i>For Non-reinforced Board, Deduct</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation &gt;10' High, Add</i> <i>For Walls &gt;10' High, Add</i> <i>For Up To 128, Add</i> <i>For &gt;128 To 320, Add</i> <i>For &gt;1,536, Deduct</i>	1.82	0.55
					0.27	
					0.12	
					-0.08	
					0.39	
					0.58	
					0.09	
					0.59	
					0.35	
					-0.16	
09 29 10 00-0026	SF			5/8", Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Mold-Guard™) ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Adhesive Applied Sheets, Add</i> <i>Note: Includes bracing until adhesive is bonded</i> <i>For Non-reinforced Board, Deduct</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation &gt;10' High, Add</i> <i>For Walls &gt;10' High, Add</i> <i>For Up To 128, Add</i> <i>For &gt;128 To 320, Add</i> <i>For &gt;1,536, Deduct</i>	2.14	0.63
					0.31	
					0.13	
					-0.08	
					0.45	
					0.66	
					0.11	
					0.69	
					0.41	
					-0.19	
09 29 10 00-0027	SF			1/2" Fire Rated, Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Fireguard X® Mold-Guard™) ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Adhesive Applied Sheets, Add</i> <i>Note: Includes bracing until adhesive is bonded</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation &gt;10' High, Add</i> <i>For Walls &gt;10' High, Add</i> <i>For Up To 128, Add</i> <i>For &gt;128 To 320, Add</i> <i>For &gt;1,536, Deduct</i>	2.14	0.55
					0.30	
					0.12	
					0.43	
					0.64	
					0.10	
					0.68	
					0.40	
					-0.19	
09 29 10 00-0028	SF			5/8" Fire Rated, Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Fireguard X® Mold-Guard™) ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Adhesive Applied Sheets, Add</i> <i>Note: Includes bracing until adhesive is bonded</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation &gt;10' High, Add</i> <i>For Walls &gt;10' High, Add</i> <i>For Up To 128, Add</i> <i>For &gt;128 To 320, Add</i> <i>For &gt;1,536, Deduct</i>	2.39	0.63
					0.34	
					0.13	
					0.49	
					0.73	
					0.12	
					0.77	
					0.46	
					-0.21	
<b>09 29 10 00-0029 Impact Resistant Gypsum Board</b> <small>(09 29 10 00-0001)</small>						
Note: Includes tapered edge, mold and moisture resistant, fire-resistant, Type X gypsum core encased in a heavy, abrasion and mold/mildew/moisture resistant						
09 29 10 00-0030	SF			5/8" Fire Rated, Impact Resistant Gypsum Board (National Gypsum Hi-Impact®) ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Adhesive Applied Sheets, Add</i> <i>Note: Includes bracing until adhesive is bonded</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation &gt;10' High, Add</i> <i>For Walls &gt;10' High, Add</i> <i>For Up To 128, Add</i> <i>For &gt;128 To 320, Add</i> <i>For &gt;1,536, Deduct</i>	3.47	0.63
					0.32	
					0.13	
					0.45	
					0.66	
					0.10	
					0.96	
					0.54	
					-0.39	
<b>09 29 10 00-0031 Abuse Resistant Gypsum Board</b> <small>(09 29 10 00-0001)</small>						
Note: Includes tapered edge, mold and moisture resistant, fire-resistant Type X gypsum core encased in a heavy, abrasion and mold/mildew/moisture resistant						

**09 Finishes**  
**09 20 Plaster and Gypsum Board**  
**09 29 Gypsum Board**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 29 10 00-0032	SF 5/8" Fire Rated, Abuse Resistant Gypsum Board (National Gypsum Hi-Abuse®).....	2.19	0.63
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.31	
	<i>For Adhesive Applied Sheets, Add</i>	0.13	
	<i>Note: Includes bracing until adhesive is bonded</i>		
	<i>For Horizontal Installation Up To 10' High, Add</i>	0.45	
	<i>For Horizontal Installation &gt;10' High, Add</i>	0.66	
	<i>For Walls &gt;10' High, Add</i>	0.10	
	<i>For Up To 128, Add</i>	0.70	
	<i>For &gt;128 To 320, Add</i>	0.42	
	<i>For &gt;1,536, Deduct</i>	-0.20	
<b>09 29 10 00-0033</b>	<b>Noise Reducing Gypsum Board (09 29 10 00-0001)</b>		
09 29 10 00-0034	SF 1/2" Noise Reducing Gypsum Board (National Gypsum SoundBreak) .....	4.03	0.66
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.33	
	<i>For Adhesive Applied Sheets, Add</i>	0.13	
	<i>Note: Includes bracing until adhesive is bonded</i>		
	<i>For Horizontal Installation Up To 10' High, Add</i>	0.45	
	<i>For Horizontal Installation &gt;10' High, Add</i>	0.67	
	<i>For Walls &gt;10' High, Add</i>	0.11	
	<i>For Up To 128, Add</i>	1.07	
	<i>For &gt;128 To 320, Add</i>	0.60	
	<i>For &gt;1,536, Deduct</i>	-0.47	
09 29 10 00-0035	SF 5/8" Noise Reducing Gypsum Board (National Gypsum SoundBreak) .....	4.80	0.66
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.34	
	<i>For Adhesive Applied Sheets, Add</i>	0.13	
	<i>Note: Includes bracing until adhesive is bonded</i>		
	<i>For Horizontal Installation Up To 10' High, Add</i>	0.45	
	<i>For Horizontal Installation &gt;10' High, Add</i>	0.67	
	<i>For Walls &gt;10' High, Add</i>	0.11	
	<i>For Up To 128, Add</i>	1.23	
	<i>For &gt;128 To 320, Add</i>	0.68	
	<i>For &gt;1,536, Deduct</i>	-0.59	
<b>09 29 10 00-0036</b>	<b>Finishing Gypsum Board Applications (09 29 10)</b>		
	<i>Note: Includes flat or curved walls, columns, soffits, recesses, and chases. Tape, spackle, sand and finish gypsum board to the appropriate level as defined by ASTM C 840. No taping or finishing is required for Level 0. For Level 1, tape is set in compound at joints and interior angles. Ridges and tool marks are acceptable. For Level 2, tape is set in compound and wiped with a joint knife leaving a thin coating of compound over joints, interior angles, fastener heads, and beads. Ridges and tool marks are acceptable. Compound applied over the body of the tape at the time of the tape is set satisfies the conditions for this level. For Level 3, tape is set in compound and one additional coat of compound is applied over all joints and interior angles. Fastener heads and accessories receive two separate coats of joint compound. Ridges and tool marks are not acceptable. For Level 4, tape is set in compound and two separate coats of compound are applied over all flat joints with one separate coat of compound applied over interior angles. Fastener heads and accessories receive three separate coats of compound. Ridges and tool marks are not acceptable. A Level 5 finish is a Level 4 finish plus a thin skim coat of compound applied to the entire drywall surface. All levels of finish require that the surface be free of excess compound. A single modifier may be used to change the level of finish to the appropriate level.</i>		
<b>09 29 10 00-0037</b>	<b>Finish Gypsum Board Walls, ASTM C840 Level 4 (09 29 10 00-0036)</b>		
09 29 10 00-0038	SF Up To 10' High, Walls, Tape, Spackle And Finish Gypsum Board.....	0.75	
	<i>For Up To 128, Add</i>	0.29	
	<i>For &gt;128 To 320, Add</i>	0.18	
	<i>For &gt;5,400, Deduct</i>	-0.08	
	<i>For ASTM C840 Level 1 Finish, Deduct</i>	-0.36	
	<i>For ASTM C840 Level 2 Finish, Deduct</i>	-0.18	
	<i>For ASTM C840 Level 3 Finish, Deduct</i>	-0.07	
	<i>For ASTM C840 Level 5 High Quality Finish, Add</i>	0.55	
	<i>For Spray Applied Textured Or Orange Peel Finish, Add</i>	0.55	
09 29 10 00-0039	SF >10' High, Walls, Tape, Spackle And Finish Gypsum Board .....	0.99	
	<i>Note: Use this task for the entire wall area when the wall is &gt;10' high.</i>		
	<i>For Up To 128, Add</i>	0.38	
	<i>For &gt;128 To 320, Add</i>	0.24	
	<i>For &gt;5,400, Deduct</i>	-0.10	
	<i>For ASTM C840 Level 1 Finish, Deduct</i>	-0.48	
	<i>For ASTM C840 Level 2 Finish, Deduct</i>	-0.24	
	<i>For ASTM C840 Level 3 Finish, Deduct</i>	-0.10	
	<i>For ASTM C840 Level 5 High Quality Finish, Add</i>	0.73	
	<i>For Spray Applied Textured Or Orange Peel Finish, Add</i>	0.73	
<b>09 29 10 00-0040</b>	<b>Finish Gypsum Board Ceilings, ASTM C840 Level 4 (09 29 10 00-0036)</b>		
09 29 10 00-0041	SF Up To 10' High, Ceilings, Tape, Spackle And Finish Gypsum Board.....	0.97	
	<i>For Up To 128, Add</i>	0.38	
	<i>For &gt;128 To 320, Add</i>	0.23	
	<i>For &gt;5,400, Deduct</i>	-0.10	
	<i>For ASTM C840 Level 1 Finish, Deduct</i>	-0.47	
	<i>For ASTM C840 Level 2 Finish, Deduct</i>	-0.23	
	<i>For ASTM C840 Level 3 Finish, Deduct</i>	-0.09	
	<i>For ASTM C840 Level 5 High Quality Finish, Add</i>	0.72	
	<i>For Spray Applied Textured Or Orange Peel Finish, Add</i>	0.72	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0042	SF			>10' High, Ceilings, Tape, Spackle And Finish Gypsum Board ..... 1.30 Note: Use this task for the entire wall area when the wall is >10' high. For Up To 128, Add 0.51 For >128 To 320, Add 0.32 For >5,400, Deduct -0.13 For ASTM C840 Level 1 Finish, Deduct -0.63 For ASTM C840 Level 2 Finish, Deduct -0.32 For ASTM C840 Level 3 Finish, Deduct -0.13 For ASTM C840 Level 5 High Quality Finish, Add 0.97 For Spray Applied Textured Or Orange Peel Finish, Add 0.97		
09 29 10 00-0043				<b>Finish Gypsum Board Vertical Corners, ASTM C840 Level 4</b> (09 29 10 00-0036) Note: Inside or outside gypsum board corners.		
09 29 10 00-0044	LF			Up To 10' High, Vertical Corners, Tape, Spackle And Finish Gypsum Board ..... 1.47 For ASTM C840 Level 1 Finish, Deduct -0.69 For ASTM C840 Level 2 Finish, Deduct -0.35 For ASTM C840 Level 3 Finish, Deduct -0.14 For ASTM C840 Level 5 High Quality Finish, Add 1.08		
09 29 10 00-0045	LF			>10' High, Vertical Corners, Tape, Spackle And Finish Gypsum Board ..... 1.76 Note: Use this task for the entire wall area when the wall is >10' high. For ASTM C840 Level 1 Finish, Deduct -0.84 For ASTM C840 Level 2 Finish, Deduct -0.42 For ASTM C840 Level 3 Finish, Deduct -0.17 For ASTM C840 Level 5 High Quality Finish, Add 1.30		
09 29 10 00-0046				<b>Finish Gypsum Board Horizontal Corners, ASTM C840 Level 4</b> (09 29 10 00-0036) Note: Inside or outside gypsum board corners.		
09 29 10 00-0047	LF			Up To 10' High, Horizontal Corners, Tape, Spackle And Finish Gypsum Board ..... 1.71 For ASTM C840 Level 1 Finish, Deduct -0.81 For ASTM C840 Level 2 Finish, Deduct -0.41 For ASTM C840 Level 3 Finish, Deduct -0.16 For ASTM C840 Level 5 High Quality Finish, Add 1.26		
09 29 10 00-0048	LF			>10' High, Horizontal Corners, Tape, Spackle And Finish Gypsum Board ..... 2.06 Note: Use this task for the entire wall area when the wall is >10' high. For ASTM C840 Level 1 Finish, Deduct -0.99 For ASTM C840 Level 2 Finish, Deduct -0.49 For ASTM C840 Level 3 Finish, Deduct -0.20 For ASTM C840 Level 5 High Quality Finish, Add 1.52		
09 29 10 00-0049				<b>Casing And Corner Beads</b> (09 29 10)		
09 29 10 00-0050	LF			Casing, Galvanized Steel J-Bead For Gypsum Board ..... 4.08 For Up To 100, Add 0.30 For >500, Deduct -0.20		1.11
09 29 10 00-0051	LF			Corner Bead, Galvanized Steel For Gypsum Board ..... 3.87 For Up To 100, Add 0.26 For >500, Deduct -0.19		1.11
09 29 10 00-0052				<b>Preformed Architectural Profiles</b> (09 29 10)		
09 29 10 00-0053				<b>Trim Reveals For Gypsum Board</b> (09 29 10 00-0052)		
09 29 10 00-0054	LF			1/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board ..... 4.60		1.34
09 29 10 00-0055	LF			1/4" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board ..... 4.63		1.34
09 29 10 00-0056	LF			3/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board ..... 4.75		1.34
09 29 10 00-0057	LF			1/2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board ..... 4.81		1.34
09 29 10 00-0058	LF			5/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board ..... 4.95		1.34
09 29 10 00-0059	LF			3/4" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board ..... 5.10		1.34
09 29 10 00-0060	LF			1" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board ..... 5.25		1.34
09 29 10 00-0061	LF			1-1/2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board ..... 5.73		1.34
09 29 10 00-0062	LF			2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board ..... 6.20		1.34
09 29 10 00-0063	LF			1/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board ..... 4.76		1.45
09 29 10 00-0064	LF			1/4" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board ..... 4.76		1.45
09 29 10 00-0065	LF			3/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board ..... 5.09		1.45
09 29 10 00-0066	LF			1/2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board ..... 5.14		1.45
09 29 10 00-0067	LF			5/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board ..... 5.35		1.45
09 29 10 00-0068	LF			3/4" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board ..... 5.44		1.45
09 29 10 00-0069	LF			1" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board ..... 5.56		1.45
09 29 10 00-0070	LF			1 1/2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board ..... 6.09		1.45
09 29 10 00-0071	LF			2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board ..... 6.63		1.45
09 29 10 00-0072	LF			3" x 5/8", Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board ..... 8.91		1.66
09 29 10 00-0073	LF			4" x 5/8", Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board ..... 9.80		1.66
09 29 10 00-0074				<b>Edge Trim For Gypsum Board</b> (09 29 10 00-0052)		
09 29 10 00-0075	LF			1/2" Aluminum Extrusions, Edge Trim For Gypsum Board ..... 4.32		1.39
09 29 10 00-0076	LF			5/8" Aluminum Extrusions, Edge Trim For Gypsum Board ..... 4.56		1.39
09 29 10 00-0077	LF			1" Aluminum Extrusions, Edge Trim For Gypsum Board ..... 5.28		1.53
09 29 10 00-0078	LF			1-1/4" Aluminum Extrusions, Edge Trim For Gypsum Board ..... 5.54		1.66
09 29 10 00-0079	LF			1/2" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board ..... 7.29		1.39
09 29 10 00-0080	LF			5/8" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board ..... 7.53		1.39
09 29 10 00-0081	LF			1" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board ..... 8.24		1.53
09 29 10 00-0082	LF			1-1/4" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board ..... 8.51		1.66

**09 Finishes**

**09 20 Plaster and Gypsum Board**

**09 29 Gypsum Board**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>09 29 10 00-0083</b>	<b>Bevel Trim For Gypsum Board</b> <small>(09 29 10 00-0052)</small>		
09 29 10 00-0084	LF 5/16" x 1/4" Aluminum Extrusions, Bevel Trim For Gypsum Board.....	4.56	1.39
09 29 10 00-0085	LF 5/8" x 5/8" Aluminum Extrusions, Bevel Trim For Gypsum Board.....	5.19	1.53
<b>09 29 10 00-0086</b>	<b>Trim/Wainscot Caps For Gypsum Board</b> <small>(09 29 10 00-0052)</small>		
09 29 10 00-0087	LF 1-1/2" Wide Aluminum Extrusions, Trim/Wainscot Cap For Gypsum Board.....	6.05	1.66
<b>09 29 10 00-0088</b>	<b>Single Fin Wall/Trim Reveals For Gypsum Board</b> <small>(09 29 10 00-0052)</small>		
09 29 10 00-0089	LF 1/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	4.13	0.89
09 29 10 00-0090	LF 1/4" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	4.26	1.00
09 29 10 00-0091	LF 3/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	4.93	1.11
09 29 10 00-0092	LF 1/2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	5.26	1.22
09 29 10 00-0093	LF 5/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	5.55	1.34
09 29 10 00-0094	LF 3/4" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	5.64	1.34
09 29 10 00-0095	LF 1" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	5.90	1.34
09 29 10 00-0096	LF 1-1/2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	6.41	1.34
09 29 10 00-0097	LF 2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	6.59	1.34
09 29 10 00-0098	LF 1/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	5.35	1.45
09 29 10 00-0099	LF 1/4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	5.41	1.45
09 29 10 00-0100	LF 3/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	5.74	1.45
09 29 10 00-0101	LF 1/2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	5.89	1.45
09 29 10 00-0102	LF 5/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	6.01	1.45
09 29 10 00-0103	LF 3/4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	6.15	1.45
09 29 10 00-0104	LF 1" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	6.36	1.45
09 29 10 00-0105	LF 1-1/2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	6.90	1.45
09 29 10 00-0106	LF 2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	7.34	1.45
09 29 10 00-0107	LF 3" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	8.76	1.45
09 29 10 00-0108	LF 4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	11.49	1.45
09 29 10 00-0109	LF 3-1/16" x 7/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board.....	8.23	1.45
09 29 10 00-0110	LF 3-1/16" x 9/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board.....	8.47	1.45
09 29 10 00-0111	LF 4-1/16" x 7/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board.....	9.27	1.45
09 29 10 00-0112	LF 4-1/16" x 9/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board.....	9.36	1.45
09 29 10 00-0113	LF 9/16" Tall with 1/2" Reveal, Aluminum Extrusions, Single Fin Wall Base With Reveal For Gypsum Board.....	10.51	1.45
09 29 10 00-0114	LF 5/8" Aluminum Extrusions, Single Fin Wall/Trim Reveal Hanging Track For Gypsum Board.....	8.79	1.45
<b>09 29 10 00-0115</b>	<b>'V' Groove Wall Reveals For Gypsum Board</b> <small>(09 29 10 00-0052)</small>		
09 29 10 00-0116	LF 1/4" x 5/8" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board.....	6.79	1.99
09 29 10 00-0117	LF 3/4" x 1/2" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board.....	7.79	2.23
09 29 10 00-0118	LF 1" x 1/2" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board.....	8.90	2.67
09 29 10 00-0119	LF 9/32" x 5/8" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board.....	9.16	2.89
<b>09 29 10 00-0120</b>	<b>Double Fin Wall Reveals For Gypsum Board</b> <small>(09 29 10 00-0052)</small>		
09 29 10 00-0121	LF 3/8" x 3/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	6.02	1.34
09 29 10 00-0122	LF 1/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	6.08	1.34
09 29 10 00-0123	LF 1/4" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	6.14	1.34
09 29 10 00-0124	LF 3/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	6.14	1.34
09 29 10 00-0125	LF 1/2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	6.41	1.34
09 29 10 00-0126	LF 5/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	6.53	1.32
09 29 10 00-0127	LF 3/4" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	6.65	1.34
09 29 10 00-0128	LF 1" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	6.91	1.34
09 29 10 00-0129	LF 1-1/2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	7.36	1.34
09 29 10 00-0130	LF 2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	7.83	1.34
09 29 10 00-0131	LF 3/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	6.39	1.45
09 29 10 00-0132	LF 1/4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	6.45	1.45
09 29 10 00-0133	LF 3/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	6.57	1.45
09 29 10 00-0134	LF 1/2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	6.84	1.45
09 29 10 00-0135	LF 5/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	6.95	1.45
09 29 10 00-0136	LF 3/4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	7.04	1.45
09 29 10 00-0137	LF 1" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	7.34	1.45
09 29 10 00-0138	LF 1-1/2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	7.82	1.45
09 29 10 00-0139	LF 2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	8.29	1.45
09 29 10 00-0140	LF 3" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	9.57	1.45
09 29 10 00-0141	LF 4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	12.24	1.45
09 29 10 00-0142	LF 1-1/2" x 1" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	11.16	1.58
09 29 10 00-0143	LF 3/4" x 1 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	12.79	1.92
09 29 10 00-0144	LF 1-1/2" x 1-1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	13.18	1.92
09 29 10 00-0145	LF 1/2", Aluminum Extrusions, Double Fin Hanging Track Wall Reveal For Gypsum Board.....	10.09	1.32
09 29 10 00-0146	LF 1 3/16", Aluminum Extrusions, Double Fin Hanging Track Wall Reveal For Gypsum Board.....	9.79	1.92
09 29 10 00-0147	LF 1/4" Aluminum Extrusions, Double Fin Wall Covering Joinder For Gypsum Board.....	7.00	1.32
<b>09 29 10 00-0148</b>	<b>Special Conditions Reveals For Gypsum Board</b> <small>(09 29 10 00-0052)</small>		
<b>09 29 10 00-0149</b>	<b>Radius Conditions</b> <small>(09 29 10 00-0148)</small>		
09 29 10 00-0150	EA 8' Long Inside Radius For Gypsum Board.....	74.17	
	Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.		
09 29 10 00-0151	EA 8' Long Outside Radius For Gypsum Board.....	74.17	
	Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.		
09 29 10 00-0152	EA 8' Long Circular / Arched Radius For Gypsum Board.....	74.17	
	Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.		



MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>09 29 10 00-0153 Knee Brace Kit (09 29 10 00-0148)</b>				
09 29 10 00-0154	EA	46" H, Aluminum Extrusions, Knee Brace Kit For Gypsum Board .....	170.16	13.87
<b>09 29 10 00-0155 Wall Bumper Rail (09 29 10 00-0148)</b>				
09 29 10 00-0156	LF	2-1/2" x 5/8", Aluminum Extrusions, Wall Bumper Rail For Gypsum Board .....	25.93	5.55
<b>09 29 10 00-0157 Corners For Gypsum Board (09 29 10 00-0052)</b>				
09 29 10 00-0158	LF	1/2"R, Aluminum Extrusions, Outside Corner For Gypsum Board .....	5.64	1.34
09 29 10 00-0159	LF	5/8"R, Aluminum Extrusions, Outside Corner For Gypsum Board .....	6.03	1.45
09 29 10 00-0160	LF	3/4"R, Aluminum Extrusions, Outside Corner For Gypsum Board .....	6.64	1.51
09 29 10 00-0161	LF	1"R, Aluminum Extrusions, Outside Corner For Gypsum Board .....	7.33	1.58
09 29 10 00-0162	LF	1-1/2" R, Aluminum Extrusions, Outside Corner For Gypsum Board .....	8.90	1.92
09 29 10 00-0163	LF	2" R, Aluminum Extrusions, Outside Corner For Gypsum Board .....	10.27	2.16
09 29 10 00-0164	LF	2-1/2" R, Aluminum Extrusions, Outside Corner For Gypsum Board .....	12.37	2.48
09 29 10 00-0165	LF	3" R, Aluminum Extrusions, Outside Corner For Gypsum Board .....	14.95	2.89
09 29 10 00-0166	LF	4" R, Aluminum Extrusions, Outside Corner For Gypsum Board .....	20.47	3.86
09 29 10 00-0167	LF	90 Degree 3/8" Aluminum Extrusions, Hi-Strength Corner For Gypsum Board .....	5.60	1.29
09 29 10 00-0168	LF	90 Degree 1-1/4" Aluminum Extrusions, Hi-Strength Corner For Gypsum Board .....	9.88	1.73
09 29 10 00-0169	LF	90 Degree 1-1/4" Aluminum Extrusions, Fabric Tuck Corner For Gypsum Board .....	7.42	1.73
09 29 10 00-0170	LF	90 Degree 1-1/4" Aluminum Extrusions, Corner With Vertical Reveal For Gypsum Board .....	12.49	1.73
09 29 10 00-0171	LF	45 Degree 2" Aluminum Extrusions, Corner For Gypsum Board .....	17.57	2.16
09 29 10 00-0172	LF	60 Degree 2" Aluminum Extrusions, Corner For Gypsum Board .....	16.92	2.16
09 29 10 00-0173	LF	3/4" Aluminum Extrusions, Chamfered Corner For Gypsum Board .....	5.66	1.51
09 29 10 00-0174	LF	5/8" R, Aluminum Extrusions, Corners Return For Gypsum Board .....	5.65	1.45
09 29 10 00-0175	LF	1/2" x 1/2" Aluminum Extrusions, Double Corner Step For Gypsum Board .....	5.61	1.34
09 29 10 00-0176	LF	5/8" x 5/8" Aluminum Extrusions, Double Corner Step For Gypsum Board .....	5.92	1.45
09 29 10 00-0177	LF	1" x 1" Aluminum Extrusions, Double Corner Step For Gypsum Board .....	7.72	1.58
09 29 10 00-0178	LF	1/2" x 1/2" Aluminum Extrusions, Triple Corner Step For Gypsum Board .....	6.76	1.34
09 29 10 00-0179	LF	5/8" x 5/8" Aluminum Extrusions, Triple Corner Step For Gypsum Board .....	7.16	1.45
09 29 10 00-0180	LF	1" x 1" Aluminum Extrusions, Triple Corner Step For Gypsum Board .....	10.15	1.58
09 29 10 00-0181	LF	1/3" x 1/2" Aluminum Extrusions, Quad Corner Step For Gypsum Board .....	10.92	1.34
09 29 10 00-0182	LF	3" Aluminum Extrusions, Bullnose For Gypsum Board .....	19.13	2.89
09 29 10 00-0183	LF	3-7/8" Aluminum Extrusions, Bullnose For Gypsum Board .....	20.32	2.89
09 29 10 00-0184	LF	5-3/8", Aluminum Extrusions, Bullnose For Gypsum Board .....	37.28	4.82
09 29 10 00-0185	LF	7-3/8", Aluminum Extrusions, Bullnose For Gypsum Board .....	61.13	6.82
09 29 10 00-0186	LF	3/4" R, Aluminum Extrusions, Inside Corner For Gypsum Board .....	6.66	1.48
09 29 10 00-0187	LF	1" R, Aluminum Extrusions, Inside Corner For Gypsum Board .....	7.51	1.55
09 29 10 00-0188	LF	1-1/2" R, Aluminum Extrusions, Inside Corner For Gypsum Board .....	9.05	1.90
09 29 10 00-0189	LF	2"R, Aluminum Extrusions, Inside Corner For Gypsum Board .....	10.99	2.13
09 29 10 00-0190	LF	2-1/2" R, Aluminum Extrusions, Inside Corner For Gypsum Board .....	15.19	2.45
09 29 10 00-0191	LF	3"R, Aluminum Extrusions, Inside Corner For Gypsum Board .....	16.55	2.85
09 29 10 00-0192	LF	4" R, Aluminum Extrusions, Inside Corner For Gypsum Board .....	19.16	3.79
09 29 10 00-0193	LF	3-5/8", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board .....	12.46	2.85
09 29 10 00-0194	LF	3-7/8", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board .....	12.60	2.85
09 29 10 00-0195	LF	4-3/4", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board .....	13.55	2.85
09 29 10 00-0196	LF	5", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board .....	13.85	2.85

**09 29 82 Gypsum Board Fire Protection (09 29)**

<b>09 29 82 00-0001 Shaft Wall (09 29 82)</b>				
See CSI section 09 29 10 00-0036 for finishing drywall.				
09 29 82 00-0002	SF	3/4" Fire Rated Shaft Wall Assembly .....	7.28	2.78
Note: 1/4" thick fiber-cement board with tapered edges over 1/2" thick type "X" gypsum board. Excludes studs or wall structure.				
			1.89	
<i>For Horizontal Installation Up To 10' High, Add</i>				
<i>For Horizontal Installation &gt;10' High, Add</i>			2.78	
<i>For Walls &gt;10' High, Add</i>			0.44	
<i>For Up To 128, Add</i>			2.57	
<i>For &gt;128 To 320, Add</i>			1.56	
<i>For &gt;1,536, Deduct</i>			-0.54	
09 29 82 00-0003	SF	7/8" Fire Rated Shaft Wall Assembly .....	8.43	3.33
Note: 1/4" thick fiber-cement board with tapered edges over 5/8" thick type "X" gypsum board. Excludes studs or wall structure.				
			2.27	
<i>For Horizontal Installation Up To 10' High, Add</i>				
<i>For Horizontal Installation &gt;10' High, Add</i>			3.34	
<i>For Walls &gt;10' High, Add</i>			0.53	
<i>For Up To 128, Add</i>			3.02	
<i>For &gt;128 To 320, Add</i>			1.84	
<i>For &gt;1,536, Deduct</i>			-0.60	
09 29 82 00-0004	SF	2-1/2", 25 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly .....	6.81	2.14
Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.				
			1.46	
<i>For Horizontal Installation Up To 10' High, Add</i>				
<i>For Horizontal Installation &gt;10' High, Add</i>			2.14	
<i>For Walls &gt;10' High, Add</i>			0.34	
<i>For Up To 128, Add</i>			2.22	
<i>For &gt;128 To 320, Add</i>			1.32	
<i>For Glass Mat Surfaces, Add</i>			0.24	

**09 Finishes**  
**09 20 Plaster and Gypsum Board**  
**09 29 Gypsum Board**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 29 82 00-0005	SF 4", 25 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly ..... Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing. <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation &gt;10' High, Add</i> <i>For Walls &gt;10' High, Add</i> <i>For Up To 128, Add</i> <i>For &gt;128 To 320, Add</i> <i>For Glass Mat Surfaces, Add</i>	7.32 1.53 2.25 0.36 2.36 1.41 0.24	2.25
09 29 82 00-0006	SF 2-1/2", 20 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly ..... Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing. <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation &gt;10' High, Add</i> <i>For Walls &gt;10' High, Add</i> <i>For Up To 128, Add</i> <i>For &gt;128 To 320, Add</i> <i>For Glass Mat Surfaces, Add</i>	8.09 1.53 2.25 0.36 2.52 1.48 0.24	2.25
09 29 82 00-0007	SF 4", 20 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly ..... Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing. <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation &gt;10' High, Add</i> <i>For Walls &gt;10' High, Add</i> <i>For Up To 128, Add</i> <i>For &gt;128 To 320, Add</i> <i>For Glass Mat Surfaces, Add</i>	8.62 1.60 2.36 0.38 2.67 1.57 0.24	2.36

**09 30 Tiling**<sup>(09)</sup>

Note: All tiles are standard commercial grade ANSI 137.1 or higher, mounted and unmounted, cushioned or non-cushioned edge, all tile colors, all grout colors, PEI rating 1 through 4, and include patterns. Glazing shall meet ASTM C484 and C424. Mounted tiles are assembled into sheets to facilitate handling and installation. Perforated paper, fiber mesh, or other suitable bonding material applied to the front, backs or edges of the tile can be used to mount the tiles. Cushioned edge tile has facial edges with a distinct curvature that results in a slightly recessed joint. All floor, wall, ceiling, cove base and trim tile will be installed in accordance with ANSI 108.1 using these setting methods.

**09 30 13 Ceramic Tiling**<sup>(09 30)</sup>

Note: Includes grout and sealing. Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.

**09 30 13 00-0001 Ceramic Tiling**<sup>(09 30 13)</sup>

09 30 13 00-0002	SF 2" x 2" x 1/4" Thick, Mounted, Unpolished Ceramic Floor Tile ..... Note: Tiles mounted from back, side or front in 12" x 12", 12" x 24", 12" x 48", or similar sized sheets. <i>For Up To 50, Add</i> <i>For &gt;50 To 250, Add</i> <i>For &gt;1,000, Deduct</i> <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	15.27 8.60 1.27 -0.64 1.23 1.37	3.19
09 30 13 00-0003	SF Less Than 8" x 8", Mounted, Ceramic Floor Tile ..... Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets. <i>For Up To 50, Add</i> <i>For &gt;50 To 250, Add</i> <i>For &gt;1,000, Deduct</i> <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> <i>For Heavy Duty Floors With A PEI 5 Rating, Add</i> <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	14.42 8.38 1.27 -0.64 1.23 1.00 1.37	3.19
09 30 13 00-0004	SF 8" x 8" And Larger Unmounted Ceramic Floor Tile ..... Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. <i>For Up To 50, Add</i> <i>For &gt;50 To 250, Add</i> <i>For &gt;1,000, Deduct</i> <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> <i>For Heavy Duty Floors With A PEI 5 Rating, Add</i> <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	16.01 9.97 1.59 -0.80 1.46 1.00 1.60	1.99
09 30 13 00-0005	SF 2" x 2" x 1/4" Thick, Mounted, Unpolished Ceramic Wall Tile ..... Note: Tiles mounted from back, side or front in 12" x 12", 12" x 24", 12" x 48", or similar sized sheets. <i>For Up To 50, Add</i> <i>For &gt;50 To 250, Add</i> <i>For &gt;1,000, Deduct</i> <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	16.63 9.96 1.55 -0.77 1.43 1.57	3.86
09 30 13 00-0006	SF Less than 8" x 8" Mounted Ceramic Wall Tile ..... Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets. <i>For Up To 50, Add</i> <i>For &gt;50 To 250, Add</i> <i>For &gt;1,000, Deduct</i> <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	15.78 9.74 1.55 -0.77 1.43 1.57	3.86
09 30 13 00-0007	SF 8" x 8" And Larger Unmounted Ceramic Wall Tile ..... Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. <i>For Up To 50, Add</i> <i>For &gt;50 To 250, Add</i> <i>For &gt;1,000, Deduct</i> <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	17.82 11.78 1.95 -0.98 1.74 1.88	2.45

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
09 30	13 00-0008	SF	Less than 8" x 8" Mounted Ceramic Ceiling Tile ..... Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.	21.44	6.69	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	2.28		
			<i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	2.42		
			<i>For Up To 50, Add</i>	15.40		
			<i>For &gt;50 To 250, Add</i>	2.68		
			<i>For &gt;1,000, Deduct</i>	-1.34		
09 30	13 00-0009	SF	8" x 8" And Larger Unmounted Ceramic Ceiling Tile ..... Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.	24.12	4.01	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	2.68		
			<i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	2.82		
			<i>For Up To 50, Add</i>	18.08		
			<i>For &gt;50 To 250, Add</i>	3.21		
			<i>For &gt;1,000, Deduct</i>	-1.61		
09 30	13 00-0010	LF	4-1/4" To 4-1/2" High, Ceramic Cove Base Or Trim ..... Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.	13.14	2.78	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.80		
			<i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	1.88		
09 30	13 00-0011	LF	6" High x 12" Long, Unpolished Ceramic Cove Base (Daltile Portfolio) ..... <i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	19.00	2.78	
			<i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	1.88		
09 30	13 00-0012	LF	6" High x 24" Long, Unpolished Ceramic Cove Base (Daltile Portfolio) ..... <i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	21.13	2.78	
			<i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	1.88		
09 30	13 00-0013	EA	6" High, Unpolished Ceramic Cove Base Outer Corner ..... <i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	15.55	0.61	
			<i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	1.88		
09 30	13 00-0014	<b>Residential Ceramic Tiling</b> (09 30 13)				
09 30	13 00-0015	SF	2" x 2" x 1/4" Thick, Unpolished Ceramic Mounted Floor Tile, Residential Grade ..... Note: Tiles mounted from back, side or front in 12" x 12", 12" x 24", 12" x 48", or similar sized sheets.	11.14	3.19	
			<i>For Up To 50, Add</i>	7.56		
			<i>For &gt;50 To 250, Add</i>	1.27		
			<i>For &gt;1,000, Deduct</i>	-0.64		
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.23		
09 30	16	<b>Quarry Tiling</b> (09 30)				
		Note: Includes grout and sealing. Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.				
09 30	16 00-0001	SF	Unglazed Quarry Floor Tile ..... Note: With or without embedded abrasive grit.	11.65	2.24	
			<i>For Up To 50, Add</i>	9.60		
			<i>For &gt;50 To 250, Add</i>	1.78		
			<i>For &gt;1,000, Deduct</i>	-0.89		
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.61		
			<i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	1.75		
09 30	16 00-0002	SF	Glazed Quarry Floor Tile ..... <i>For Up To 50, Add</i>	19.92	2.24	
			<i>For &gt;50 To 250, Add</i>	11.67		
			<i>For &gt;1,000, Deduct</i>	1.78		
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	-0.89		
			<i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	1.61		
			<i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	1.75		
09 30	16 00-0003	SF	Unglazed Quarry Wall Tile ..... Note: With or without embedded abrasive grit.	13.44	2.65	
			<i>For Up To 50, Add</i>	11.39		
			<i>For &gt;50 To 250, Add</i>	2.14		
			<i>For &gt;1,000, Deduct</i>	-1.07		
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.88		
			<i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	2.02		
09 30	16 00-0004	SF	Glazed Quarry Wall Tile ..... <i>For Up To 50, Add</i>	21.71	2.65	
			<i>For &gt;50 To 250, Add</i>	13.46		
			<i>For &gt;1,000, Deduct</i>	2.14		
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	-1.07		
			<i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	1.88		
			<i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	2.02		
09 30	16 00-0005	LF	6" High Unglazed Quarry Tile Cove Base Or Trim ..... <i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	15.98	2.95	
			<i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	1.90		
			<i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	1.98		
09 30	16 00-0006	LF	6" High Glazed Quarry Tile Cove Base Or Trim ..... <i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	29.53	2.95	
			<i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	1.90		
			<i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	1.98		
09 30	33	<b>Stone Tiling</b> (09 30)				
		Note: Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.				
09 30	33 00-0001	<b>Marble Floor Tile</b> (09 30 33)				
09 30	33 00-0002	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Cherry Blossom" ..... <i>For Up To 50, Add</i>	13.44	1.99	
			<i>For &gt;50 To 250, Add</i>	9.33		
			<i>For &gt;1,000, Deduct</i>	1.59		
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	-0.80		
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.46		
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00		
09 30	33 00-0003	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Laurent Brown" ..... <i>For Up To 50, Add</i>	13.95	1.99	
			<i>For &gt;50 To 250, Add</i>	9.46		
			<i>For &gt;1,000, Deduct</i>	1.59		
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	-0.80		
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.46		
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00		

## 09 Finishes

## 09 30 Tiling

## 09 30 33 Stone Tiling

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

09 30 33 00-0004	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Temple Gray" .....	14.22	1.99
		For Up To 50, Add	9.53	
		For >50 To 250, Add	1.59	
		For >1,000, Deduct	-0.80	
		For High-Modulus, High-Strength Epoxy Grout, Add	1.46	
		For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0005	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Emperador Cafe" .....	14.34	1.99
		For Up To 50, Add	9.56	
		For >50 To 250, Add	1.59	
		For >1,000, Deduct	-0.80	
		For High-Modulus, High-Strength Epoxy Grout, Add	1.46	
		For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0006	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "China Black" .....	14.42	1.99
		For Up To 50, Add	9.58	
		For >50 To 250, Add	1.59	
		For >1,000, Deduct	-0.80	
		For High-Modulus, High-Strength Epoxy Grout, Add	1.46	
		For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0007	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Sea Grass Honed" .....	14.54	1.99
		For Up To 50, Add	9.61	
		For >50 To 250, Add	1.59	
		For >1,000, Deduct	-0.80	
		For High-Modulus, High-Strength Epoxy Grout, Add	1.46	
		For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0008	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Gris Magma or Gris Nebula" .....	14.81	1.99
		For Up To 50, Add	9.67	
		For >50 To 250, Add	1.59	
		For >1,000, Deduct	-0.80	
		For High-Modulus, High-Strength Epoxy Grout, Add	1.46	
		For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0009	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Dark Green" .....	16.59	1.99
		For Up To 50, Add	10.12	
		For >50 To 250, Add	1.59	
		For >1,000, Deduct	-0.80	
		For High-Modulus, High-Strength Epoxy Grout, Add	1.46	
		For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0010	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Cappuccino Light" .....	16.79	1.99
		For Up To 50, Add	10.17	
		For >50 To 250, Add	1.59	
		For >1,000, Deduct	-0.80	
		For High-Modulus, High-Strength Epoxy Grout, Add	1.46	
		For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0011	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Botticino Cream" .....	17.16	1.99
		For Up To 50, Add	10.26	
		For >50 To 250, Add	1.59	
		For >1,000, Deduct	-0.80	
		For High-Modulus, High-Strength Epoxy Grout, Add	1.46	
		For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0012	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Crema Marfil Classic" .....	17.57	1.99
		For Up To 50, Add	10.36	
		For >50 To 250, Add	1.59	
		For >1,000, Deduct	-0.80	
		For High-Modulus, High-Strength Epoxy Grout, Add	1.46	
		For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0013	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Arabescato Carrara" .....	17.86	1.99
		For Up To 50, Add	10.44	
		For >50 To 250, Add	1.59	
		For >1,000, Deduct	-0.80	
		For High-Modulus, High-Strength Epoxy Grout, Add	1.46	
		For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0014	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Giallo Crystal Onyx" .....	18.84	1.99
		For Up To 50, Add	10.68	
		For >50 To 250, Add	1.59	
		For >1,000, Deduct	-0.80	
		For High-Modulus, High-Strength Epoxy Grout, Add	1.46	
		For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0015	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Cafe Forest or Rain Forest" .....	20.68	1.99
		For Up To 50, Add	11.14	
		For >50 To 250, Add	1.59	
		For >1,000, Deduct	-0.80	
		For High-Modulus, High-Strength Epoxy Grout, Add	1.46	
		For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0016	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Arabescato" .....	20.80	1.99
		For Up To 50, Add	11.17	
		For >50 To 250, Add	1.59	
		For >1,000, Deduct	-0.80	
		For High-Modulus, High-Strength Epoxy Grout, Add	1.46	
		For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0017	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Carrara White" .....	22.17	1.99
		For Up To 50, Add	11.51	
		For >50 To 250, Add	1.59	
		For >1,000, Deduct	-0.80	
		For High-Modulus, High-Strength Epoxy Grout, Add	1.46	
		For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0018	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Crema Marfil Select Or Sahara Gold" .....	22.64	1.99
		For Up To 50, Add	11.63	
		For >50 To 250, Add	1.59	
		For >1,000, Deduct	-0.80	
		For High-Modulus, High-Strength Epoxy Grout, Add	1.46	
		For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 33 00-0019	SF	12" x 12" x 3/8"	And Larger Unmounted Marble Floor Tile, "Botticino Fiorito Or Michelangelo" .....	22.84	1.99
			<i>For Up To 50, Add</i>	11.68	
			<i>For &gt;50 To 250, Add</i>	1.59	
			<i>For &gt;1,000, Deduct</i>	-0.80	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.46	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0020	SF	12" x 12" x 3/8"	And Larger Unmounted Marble Floor Tile, "Crema Marfil Antique" .....	23.15	1.99
			<i>For Up To 50, Add</i>	11.76	
			<i>For &gt;50 To 250, Add</i>	1.59	
			<i>For &gt;1,000, Deduct</i>	-0.80	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.46	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0021	SF	12" x 12" x 3/8"	And Larger Unmounted Marble Floor Tile, "Emperador Dark Or Super Thassos Glass".....	25.69	1.99
			<i>For Up To 50, Add</i>	12.39	
			<i>For &gt;50 To 250, Add</i>	1.59	
			<i>For &gt;1,000, Deduct</i>	-0.80	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.46	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0022	SF	12" x 12" x 3/8"	And Larger Unmounted Marble Floor Tile, "Rosa Verona" .....	27.14	1.99
			<i>For Up To 50, Add</i>	12.76	
			<i>For &gt;50 To 250, Add</i>	1.59	
			<i>For &gt;1,000, Deduct</i>	-0.80	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.46	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0023	SF	12" x 12" x 3/8"	And Larger Unmounted Marble Floor Tile, "Rojo Alicante" .....	27.53	1.99
			<i>For Up To 50, Add</i>	12.85	
			<i>For &gt;50 To 250, Add</i>	1.59	
			<i>For &gt;1,000, Deduct</i>	-0.80	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.46	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0024	SF	12" x 12" x 3/8"	And Larger Unmounted Marble Floor Tile, "Emperador Light".....	27.73	1.99
			<i>For Up To 50, Add</i>	12.90	
			<i>For &gt;50 To 250, Add</i>	1.59	
			<i>For &gt;1,000, Deduct</i>	-0.80	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.46	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
<b>09 30 33 00-0025</b>			<b>Granite Floor Tile (09 30 33)</b>		
09 30 33 00-0026	SF	12" x 12" x 3/8"	And Larger Unmounted Granite Floor Tile, "Crystal Gray" .....	12.07	1.99
			<i>For Up To 50, Add</i>	8.99	
			<i>For &gt;50 To 250, Add</i>	1.59	
			<i>For &gt;1,000, Deduct</i>	-0.80	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.46	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0027	SF	12" x 12" x 3/8"	And Larger Unmounted Granite Floor Tile, "Peach Flower" .....	13.05	1.99
			<i>For Up To 50, Add</i>	9.23	
			<i>For &gt;50 To 250, Add</i>	1.59	
			<i>For &gt;1,000, Deduct</i>	-0.80	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.46	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0028	SF	12" x 12" x 3/8"	And Larger Unmounted Granite Floor Tile, "Golden Yellow" .....	13.83	1.99
			<i>For Up To 50, Add</i>	9.43	
			<i>For &gt;50 To 250, Add</i>	1.59	
			<i>For &gt;1,000, Deduct</i>	-0.80	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.46	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0029	SF	12" x 12" x 3/8"	And Larger Unmounted Granite Floor Tile, "Absolute Black".....	16.96	1.99
			<i>For Up To 50, Add</i>	10.21	
			<i>For &gt;50 To 250, Add</i>	1.59	
			<i>For &gt;1,000, Deduct</i>	-0.80	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.46	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0030	SF	12" x 12" x 3/8"	And Larger Unmounted Granite Floor Tile, "Tan Brown" .....	17.57	1.99
			<i>For Up To 50, Add</i>	10.36	
			<i>For &gt;50 To 250, Add</i>	1.59	
			<i>For &gt;1,000, Deduct</i>	-0.80	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.46	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0031	SF	12" x 12" x 3/8"	And Larger Unmounted Granite Floor Tile, "Black Galaxy" .....	18.14	1.99
			<i>For Up To 50, Add</i>	10.51	
			<i>For &gt;50 To 250, Add</i>	1.59	
			<i>For &gt;1,000, Deduct</i>	-0.80	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.46	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0032	SF	12" x 12" x 3/8"	And Larger Unmounted Granite Floor Tile, "Kashmir White Or Gold" .....	18.73	1.99
			<i>For Up To 50, Add</i>	10.65	
			<i>For &gt;50 To 250, Add</i>	1.59	
			<i>For &gt;1,000, Deduct</i>	-0.80	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.46	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0033	SF	12" x 12" x 3/8"	And Larger Unmounted Granite Floor Tile, "Giallo Santa Cecilia".....	19.43	1.99
			<i>For Up To 50, Add</i>	10.83	
			<i>For &gt;50 To 250, Add</i>	1.59	
			<i>For &gt;1,000, Deduct</i>	-0.80	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.46	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	

## 09 Finishes

## 09 30 Tiling

## 09 30 33 Stone Tiling

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

09 30 33 00-0034	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Verde UbaTuba" .....	20.10	1.99
		For Up To 50, Add	11.00	
		For >50 To 250, Add	1.59	
		For >1,000, Deduct	-0.80	
		For High-Modulus, High-Strength Epoxy Grout, Add	1.46	
		For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0035	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "New Venetian Gold" .....	20.80	1.99
		For Up To 50, Add	11.17	
		For >50 To 250, Add	1.59	
		For >1,000, Deduct	-0.80	
		For High-Modulus, High-Strength Epoxy Grout, Add	1.46	
		For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0036	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Tropic Brown" .....	21.47	1.99
		For Up To 50, Add	11.34	
		For >50 To 250, Add	1.59	
		For >1,000, Deduct	-0.80	
		For High-Modulus, High-Strength Epoxy Grout, Add	1.46	
		For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0037	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Baltic Brown Or Indian Dakota" .....	22.25	1.99
		For Up To 50, Add	11.53	
		For >50 To 250, Add	1.59	
		For >1,000, Deduct	-0.80	
		For High-Modulus, High-Strength Epoxy Grout, Add	1.46	
		For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0038	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Dynamic Blue" .....	23.03	1.99
		For Up To 50, Add	11.73	
		For >50 To 250, Add	1.59	
		For >1,000, Deduct	-0.80	
		For High-Modulus, High-Strength Epoxy Grout, Add	1.46	
		For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0039	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Blue Pearl Or Emerald Pearl" .....	25.77	1.99
		For Up To 50, Add	12.41	
		For >50 To 250, Add	1.59	
		For >1,000, Deduct	-0.80	
		For High-Modulus, High-Strength Epoxy Grout, Add	1.46	
		For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	

## 09 30 33 00-0040 Slate Floor Tile (09 30 33)

09 30 33 00-0041	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "Raja Classic" .....	10.90	1.99
		For Up To 50, Add	8.70	
		For >50 To 250, Add	1.59	
		For >1,000, Deduct	-0.80	
		For High-Modulus, High-Strength Epoxy Grout, Add	1.46	
		For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0042	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "Rustic Gold" .....	11.41	1.99
		For Up To 50, Add	8.82	
		For >50 To 250, Add	1.59	
		For >1,000, Deduct	-0.80	
		For High-Modulus, High-Strength Epoxy Grout, Add	1.46	
		For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0043	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "California Gold Or Black Rust" .....	11.68	1.99
		For Up To 50, Add	8.89	
		For >50 To 250, Add	1.59	
		For >1,000, Deduct	-0.80	
		For High-Modulus, High-Strength Epoxy Grout, Add	1.46	
		For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0044	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "Indian Autumn" .....	11.68	1.99
		For Up To 50, Add	8.89	
		For >50 To 250, Add	1.59	
		For >1,000, Deduct	-0.80	
		For High-Modulus, High-Strength Epoxy Grout, Add	1.46	
		For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0045	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "China Multi, Earth, Or Autumn Blend" .....	11.88	1.99
		For Up To 50, Add	8.94	
		For >50 To 250, Add	1.59	
		For >1,000, Deduct	-0.80	
		For High-Modulus, High-Strength Epoxy Grout, Add	1.46	
		For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0046	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "Lilac Kashmir Or Madras Yellow" .....	12.46	1.99
		For Up To 50, Add	9.09	
		For >50 To 250, Add	1.59	
		For >1,000, Deduct	-0.80	
		For High-Modulus, High-Strength Epoxy Grout, Add	1.46	
		For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0047	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "Montauk Blue, Copper Quartzite, Montauk Black, San Rio Rustic, Or Gold Green Quartzite" .....	13.05	1.99
		For Up To 50, Add	9.23	
		For >50 To 250, Add	1.59	
		For >1,000, Deduct	-0.80	
		For High-Modulus, High-Strength Epoxy Grout, Add	1.46	
		For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0048	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "Ocean Green Quartzite Or Golden White Quartzite" .....	13.25	1.99
		For Up To 50, Add	9.28	
		For >50 To 250, Add	1.59	
		For >1,000, Deduct	-0.80	
		For High-Modulus, High-Strength Epoxy Grout, Add	1.46	
		For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	

## 09 30 33 00-0049 Travertine Floor Tile (09 30 33)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 33 00-0050	SF	12" x 12" x 3/8"	And Larger Unmounted Travertine Floor Tile, "Noce Rustic".....	13.05	1.99
			<i>For Up To 50, Add</i>	9.23	
			<i>For &gt;50 To 250, Add</i>	1.59	
			<i>For &gt;1,000, Deduct</i>	-0.80	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.46	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0051	SF	12" x 12" x 3/8"	And Larger Unmounted Travertine Floor Tile, "Denizli Beige Or Oasis Walnut".....	13.64	1.99
			<i>For Up To 50, Add</i>	9.38	
			<i>For &gt;50 To 250, Add</i>	1.59	
			<i>For &gt;1,000, Deduct</i>	-0.80	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.46	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0052	SF	12" x 12" x 3/8"	And Larger Unmounted Travertine Floor Tile, "Oasis Gold".....	14.03	1.99
			<i>For Up To 50, Add</i>	9.48	
			<i>For &gt;50 To 250, Add</i>	1.59	
			<i>For &gt;1,000, Deduct</i>	-0.80	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.46	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0053	SF	12" x 12" x 3/8"	And Larger Unmounted Travertine Floor Tile, "Navona Light - Ivory".....	14.62	1.99
			<i>For Up To 50, Add</i>	9.63	
			<i>For &gt;50 To 250, Add</i>	1.59	
			<i>For &gt;1,000, Deduct</i>	-0.80	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.46	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0054	SF	12" x 12" x 3/8"	And Larger Unmounted Travertine Floor Tile, "Oasis Noce".....	14.81	1.99
			<i>For Up To 50, Add</i>	9.67	
			<i>For &gt;50 To 250, Add</i>	1.59	
			<i>For &gt;1,000, Deduct</i>	-0.80	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.46	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0055	SF	12" x 12" x 3/8"	And Larger Unmounted Travertine Floor Tile, "Durango Antique".....	15.01	1.99
			<i>For Up To 50, Add</i>	9.72	
			<i>For &gt;50 To 250, Add</i>	1.59	
			<i>For &gt;1,000, Deduct</i>	-0.80	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.46	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0056	SF	12" x 12" x 3/8"	And Larger Unmounted Travertine Floor Tile, "Durango Cream".....	16.89	1.99
			<i>For Up To 50, Add</i>	10.19	
			<i>For &gt;50 To 250, Add</i>	1.59	
			<i>For &gt;1,000, Deduct</i>	-0.80	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.46	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
<b>09 30 33 00-0057</b>			<b>Limestone Floor Tile (09 30 33)</b>		
09 30 33 00-0058	SF	12" x 12"	And Larger Unmounted Limestone Floor Tile, "Isis Gold".....	16.77	1.99
			<i>For Up To 50, Add</i>	10.16	
			<i>For &gt;50 To 250, Add</i>	1.59	
			<i>For &gt;1,000, Deduct</i>	-0.80	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.46	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0059	SF	12" x 12"	And Larger Unmounted Limestone Floor Tile, "Tiara Beige".....	17.36	1.99
			<i>For Up To 50, Add</i>	10.31	
			<i>For &gt;50 To 250, Add</i>	1.59	
			<i>For &gt;1,000, Deduct</i>	-0.80	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.46	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0060	SF	12" x 12"	And Larger Unmounted Limestone Floor Tile, "Halila Cream".....	20.41	1.99
			<i>For Up To 50, Add</i>	11.07	
			<i>For &gt;50 To 250, Add</i>	1.59	
			<i>For &gt;1,000, Deduct</i>	-0.80	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.46	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0061	SF	12" x 12"	And Larger Unmounted Limestone Floor Tile, "Ramon Gold".....	22.25	1.99
			<i>For Up To 50, Add</i>	11.53	
			<i>For &gt;50 To 250, Add</i>	1.59	
			<i>For &gt;1,000, Deduct</i>	-0.80	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.46	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0062	SF	12" x 12"	And Larger Unmounted Limestone Floor Tile, "Chestnut Brown Or Jerusalem Bone".....	22.25	1.99
			<i>For Up To 50, Add</i>	11.53	
			<i>For &gt;50 To 250, Add</i>	1.59	
			<i>For &gt;1,000, Deduct</i>	-0.80	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.46	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0063	SF	12" x 12"	And Larger Unmounted Limestone Floor Tile, "Lagos Blue".....	22.84	1.99
			<i>For Up To 50, Add</i>	11.68	
			<i>For &gt;50 To 250, Add</i>	1.59	
			<i>For &gt;1,000, Deduct</i>	-0.80	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.46	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0064	SF	12" x 12"	And Larger Unmounted Limestone Floor Tile, "Jura Gray".....	24.99	1.99
			<i>For Up To 50, Add</i>	12.22	
			<i>For &gt;50 To 250, Add</i>	1.59	
			<i>For &gt;1,000, Deduct</i>	-0.80	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.46	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	

09 31 Thin-Set Tiling (09 30)

**09 Finishes****09 30 Tiling****09 31 Thin-Set Tiling**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.

**09 31 13 Thin-Set Ceramic Tiling (09 31)**

<b>09 31 13 00-0001</b>	<b>Thin-Set Ceramic Tiling (09 31 13)</b>		
09 31 13 00-0002	SF Thin Set - Latex Portland Cement Mortar .....	1.95	1.06
	<i>For Up To 50, Add</i>	1.69	
	<i>For &gt;50 To 250, Add</i>	0.32	
	<i>For &gt;1,000, Deduct</i>	-0.16	
09 31 13 00-0003	SF Clean And Scarify Existing Tile For Installation Of New Tile Over Existing.....	1.02	
	<i>For Up To 50, Add</i>	1.02	
	<i>For &gt;50 To 250, Add</i>	0.20	
	<i>For &gt;1,000, Deduct</i>	-0.10	

**09 32 Mortar-Bed Tiling (09 30)**

Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.

**09 32 13 Mortar-Bed Ceramic Tiling (09 32)**

<b>09 32 13 00-0001</b>	<b>Mortar-Bed Ceramic Tiling (09 32 13)</b>		
09 32 13 00-0002	SF 3/4" Minimum Thickness Portland Cement Mortar Setting Bed .....	4.58	2.12
	Note: For residential floors. Includes 15 LB felt and wire reinforcement.		
	<i>For Up To 50, Add</i>	3.53	
	<i>For &gt;50 To 250, Add</i>	0.64	
	<i>For &gt;1,000, Deduct</i>	-0.32	
	<i>For Exterior Installation (Galvanized Reinforcement), Add</i>	0.15	
09 32 13 00-0003	SF 1-1/4" Minimum Thickness Portland Cement Mortar Setting Bed .....	6.52	2.83
	Note: For commercial floors. Includes 15 LB felt and wire reinforcement.		
	<i>For Up To 50, Add</i>	4.82	
	<i>For &gt;50 To 250, Add</i>	0.85	
	<i>For &gt;1,000, Deduct</i>	-0.43	
	<i>For Exterior Installation (Galvanized Reinforcement), Add</i>	0.15	
09 32 13 00-0004	SF 3/4" Portland Cement Plaster Scratch Coat for Walls .....	14.72	6.37
	Note: Includes 15 LB felt and expanded metal lath.		
	<i>For Up To 50, Add</i>	13.24	
	<i>For &gt;50 To 250, Add</i>	2.55	
	<i>For &gt;1,000, Deduct</i>	-1.28	
	<i>For Exterior Installation (Galvanized Reinforcement), Add</i>	0.15	
	<i>For Installation Without Felt And Metal Lath, Deduct</i>	-2.25	

**09 34 Waterproofing-Membrane Tiling (09 30)**

<b>09 34 00 00-0001</b>	<b>Bonded Waterproofing System for Tiled Showers, Steam Showers, and Bathtub Surrounds (09 34)</b>		
<b>09 34 00 00-0002</b>	<b>Prefabricated Assemblies For Tiled Showers (Schluter® KERDI Shower ST) (09 34 00 00-0001)</b>		
	Note: For creating a watertight sloped shower assembly without a mortar bed. Includes a prefabricated polystyrene foam shower tray, 6" x 4-1/2" prefabricated polystyrene foam shower curb, waterproofing membrane for shower tray and surround, and center shower drain. Excludes tile, mortar, grout and shower accessories.		
09 34 00 00-0003	EA 48" x 48", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC) .....	1,219.16	
09 34 00 00-0004	EA 32" x 60", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC) .....	1,400.39	
09 34 00 00-0005	EA 72" x 72", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC) .....	2,055.89	
<b>09 34 00 00-0006</b>	<b>Prefabricated Polystyrene Shower Curbs And Ramps (09 34 00 00-0001)</b>		
	Note: Prefabricated shower curbs and ramps for tiling over. Excludes tile.		
09 34 00 00-0007	EA 15-7/8" Width, 48" Length, Prefabricated Polystyrene Shower Ramp (Schluter® SR-122) .....	148.23	
09 34 00 00-0008	EA 4-1/2" Width, 6" Height, 48" Length, Prefabricated Polystyrene Shower Curb (Schluter® SC-122) .....	139.94	
<b>09 34 00 00-0009</b>	<b>Prefabricated Polystyrene Shower Benches (09 34 00 00-0001)</b>		
	Note: Prefabricated shower bench for tiling over. Excludes tile.		
09 34 00 00-0010	EA 16" Width, 16" Depth, 20" Height, Triangular Prefabricated Polystyrene Shower Bench (Schluter® SB41) .....	290.08	
09 34 00 00-0011	EA 32" Width, 16" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB4181) .....	576.40	
09 34 00 00-0012	EA 48" Width, 16" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB41122) .....	710.02	
09 34 00 00-0013	EA 32" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB2981) .....	519.14	
09 34 00 00-0014	EA 42" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB29107) .....	576.40	
09 34 00 00-0015	EA 48" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB29122) .....	614.58	
<b>09 34 00 00-0016</b>	<b>Prefabricated Polystyrene Shower Tray (09 34 00 00-0001)</b>		
	Note: Prefabricated shower tray for tiling over. Excludes tile.		
09 34 00 00-0017	EA 32" x 60", Prefabricated Polystyrene Shower Tray (Schluter® ST-81/152) .....	253.22	
09 34 00 00-0018	EA 48" x 48", Prefabricated Polystyrene Shower Tray (Schluter® ST-122) .....	253.22	
09 34 00 00-0019	EA 72" x 72", Prefabricated Polystyrene Shower Tray (Schluter® ST-183) .....	386.83	
<b>09 34 00 00-0020</b>	<b>Waterproofing, Uncoupling And Vapor Management Membranes (Schluter® DITRA) (09 34 00 00-0001)</b>		
09 34 00 00-0021	SF 1/8" Thick, High-Density Polyethylene Membrane With Grid Structure And Underside Anchoring Fleece, Waterproofing, Uncoupling And Vapor Management Membrane (Schluter® DITRA) .....	4.53	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 34 00 00-0022 SF 5/16" Thick, High-Density Polyethylene Membrane With Grid Structure And Underside Anchoring Fleece, Waterproofing, Uncoupling And Vapor Management Membrane (Schluter® DITRA-XL) ..... 5.19

**09 34 00 00-0023 Bonded Waterproof Underlayment Membranes (Schluter® KERDI) (09 34 00 00-0001)**

09 34 00 00-0024 SF 0.008" Polyethylene Membrane With Polypropylene Fleece Laminated On Both Sides, Bonded Waterproof Underlayment Membrane (Schluter® KERDI 200/5M) ..... 4.02

**09 35 Chemical-Resistant Tiling (09 30)**

Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.

**09 35 13 Chemical-Resistant Ceramic Tiling (09 35)**

**09 35 13 00-0001 Chemical-Resistant Ceramic Tiling (09 35 13)**

09 35 13 00-0002 SF Thin Set - Epoxy Mortar ..... 5.34 1.40  
 Note: Impact and chemical resistant.  
 For Up To 50, Add 2.93  
 For >50 To 250, Add 0.43  
 For >1,000, Deduct -0.21

**09 39 Tiling Transitions (09 30)**

**09 39 00 00-0001 Tile Waterproofing And Crack Prevention (09 39)**

09 39 00 00-0002 CSF 30 Mil Waterproofing And Crack Prevention Membrane; RedGard ..... 105.93

**09 39 00 00-0003 Waterproof Strip Membranes (Schluter® KERDI) (09 39)**

09 39 00 00-0004 LF 5" Wide, 4 mil Polyethylene Waterproof Strip Membrane (Schluter® KERDI BAND) ..... 5.16  
 09 39 00 00-0005 LF 10" Wide, 12 mil Polyethylene Waterproof Strip Membrane (Schluter® KERDI FLEX) ..... 10.25

**09 39 00 00-0006 Coved Shaped Transition Profiles For Floor To Wall For Tile (09 39)**

09 39 00 00-0007 LF 5/16" Height, Satin Anodized Aluminum Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-AHK) ..... 6.73  
 09 39 00 00-0008 LF 3/8" Height, Satin Anodized Aluminum Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-AHK) ..... 6.71  
 09 39 00 00-0009 LF 1/2" Height, Satin Anodized Aluminum Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-AHK) ..... 6.95  
 09 39 00 00-0010 LF 5/16" Height, PVC Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-PHK) ..... 6.42  
 09 39 00 00-0011 LF 3/8" Height, Aluminum Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-PHK) ..... 6.66

**09 39 00 00-0012 Coved Shaped Inside Edge Protection And Transition Profiles For Wall To Wall For Tile (09 39)**

09 39 00 00-0013 LF 9/32" x 9/32" Height, Stainless Steel Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-EHK) ..... 13.47  
 09 39 00 00-0014 LF 11/32" x 11/32" Height, Stainless Steel Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-EHK) ..... 13.84  
 09 39 00 00-0015 LF 7/16" x 7/16" Height, Stainless Steel Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-EHK) ..... 14.26

**09 39 00 00-0016 Tile Substrate (Schluter® KERDI BOARD) (09 39)**

09 39 00 00-0017 SF 1/2" Tile Substrate And Building Panel (Schluter® KERDI BOARD) ..... 7.91 0.78  
 09 39 00 00-0018 SF 5/8" Tile Substrate And Building Panel (Schluter® KERDI BOARD) ..... 8.91 0.89

**09 39 00 00-0019 Floor Edge Protection And Transition Profiles For Tile (09 39)**

09 39 00 00-0020 LF 1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE) ..... 3.70  
 09 39 00 00-0021 LF 5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE) ..... 3.79  
 09 39 00 00-0022 LF 3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE) ..... 3.90  
 09 39 00 00-0023 LF 1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE) ..... 4.08  
 09 39 00 00-0024 LF 1/4" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS) ..... 4.78  
 09 39 00 00-0025 LF 5/16" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS) ..... 4.92  
 09 39 00 00-0026 LF 3/8" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS) ..... 5.02  
 09 39 00 00-0027 LF 1/2" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS) ..... 5.13  
 09 39 00 00-0028 LF 9/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-T) ..... 3.86  
 09 39 00 00-0029 LF 1" Height, Aluminum Transition Trim For Tile (Schluter® RENO-T) ..... 5.13  
 09 39 00 00-0030 LF 1/4" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK) ..... 4.80  
 09 39 00 00-0031 LF 5/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK) ..... 5.03  
 09 39 00 00-0032 LF 3/8" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK) ..... 5.25  
 09 39 00 00-0033 LF 1/2" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK) ..... 6.27  
 09 39 00 00-0034 LF 5/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U) ..... 4.95  
 09 39 00 00-0035 LF 3/8" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U) ..... 5.18  
 09 39 00 00-0036 LF 1/2" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U) ..... 6.20

**09 39 00 00-0037 Outside Wall Edge Protection And Transition Profiles For Tile (09 39)**

09 39 00 00-0038 LF 1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC) ..... 4.93  
 09 39 00 00-0039 LF 5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC) ..... 5.17  
 09 39 00 00-0040 LF 3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC) ..... 5.52  
 09 39 00 00-0041 LF 1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC) ..... 5.88  
 09 39 00 00-0042 LF 1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC) ..... 5.41  
 09 39 00 00-0043 LF 5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC) ..... 5.86  
 09 39 00 00-0044 LF 3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC) ..... 6.32  
 09 39 00 00-0045 LF 1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC) ..... 7.11

09	<b>09 Finishes</b>	
	<b>09 50 Ceilings</b>	
	09 39 Tiling Transitions	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

**09 50 Ceilings** (09)

Note: Includes cutting for area around columns, speakers, sprinklers, diffusers, etc.

**09 51 Acoustical Ceilings** (09 50)

Note: Excludes suspension system. See CSI section 09 53 00 00-0000 for suspension systems.

**09 51 13 Acoustical Panel Ceilings** (09 51)

Note: Includes cutting around sprinkler heads, speakers, or other penetrations through the ceiling.

**09 51 13 00-0001 Fiberglass Panels** (09 51 13)

**09 51 13 00-0002 Fiberglass Acoustical Panels** (09 51 13 00-0001)

09 51 13 00-0003	SF	2' x 2' x 3/4" Thick, Fiberglass Acoustical Ceiling Panel (Armstrong Optima® 3150) .....	6.47	0.44
		For Up To 50, Add	1.55	
		For >50 To 200, Add	0.94	
		For >200 To 500, Add	0.40	
		For >2,500 To 4,000, Deduct	-0.16	
		For >4,000 To 5,000, Deduct	-0.32	
		For >5,000, Deduct	-0.52	
		For Individual Room Quantities <495, Add	0.94	
		Note: For use with projects >500 SF		
		For Ceilings >10' High, Add	0.11	
09 51 13 00-0004	SF	2' x 4' x 3/4" Thick, Fiberglass Acoustical Ceiling Panel (Armstrong Optima® 3151) .....	6.69	0.44
		For Up To 50, Add	1.58	
		For >50 To 200, Add	0.96	
		For >200 To 500, Add	0.41	
		For >2,500 To 4,000, Deduct	-0.17	
		For >4,000 To 5,000, Deduct	-0.33	
		For >5,000, Deduct	-0.54	
		For Individual Room Quantities <495, Add	0.96	
		Note: For use with projects >500 SF		
		For Ceilings >10' High, Add	0.11	
09 51 13 00-0005	SF	2' x 2' x 1" Thick, Fiberglass Acoustical Ceiling Panel (Armstrong Optima® 3152) .....	7.23	0.55
		For Up To 50, Add	1.70	
		For >50 To 200, Add	1.03	
		For >200 To 500, Add	0.44	
		For >2,500 To 4,000, Deduct	-0.18	
		For >4,000 To 5,000, Deduct	-0.36	
		For >5,000, Deduct	-0.58	
		For Individual Room Quantities <495, Add	1.03	
		Note: For use with projects >500 SF		
		For Ceilings >10' High, Add	0.12	
09 51 13 00-0006	SF	2' x 4' x 1" Thick, Fiberglass Acoustical Ceiling Panel (Armstrong Optima® 3153) .....	7.18	0.55
		For Up To 50, Add	1.70	
		For >50 To 200, Add	1.03	
		For >200 To 500, Add	0.44	
		For >2,500 To 4,000, Deduct	-0.18	
		For >4,000 To 5,000, Deduct	-0.36	
		For >5,000, Deduct	-0.58	
		For Individual Room Quantities <495, Add	1.03	
		Note: For use with projects >500 SF		
		For Ceilings >10' High, Add	0.12	
09 51 13 00-0007	SF	2' x 2' x 1" Thick, Fiberglass Acoustical Ceiling Panel (Armstrong Lyra™ 8372) .....	12.25	0.55
		For Up To 50, Add	2.46	
		For >50 To 200, Add	1.54	
		For >200 To 500, Add	0.69	
		For >2,500 To 4,000, Deduct	-0.31	
		For >4,000 To 5,000, Deduct	-0.61	
		For >5,000, Deduct	-0.96	
		For Individual Room Quantities <495, Add	1.54	
		Note: For use with projects >500 SF		
		For Ceilings >10' High, Add	0.12	
09 51 13 00-0008	SF	2' x 4' x 1" Thick, Fiberglass Acoustical Ceiling Panel (Armstrong Lyra™ 8373) .....	12.25	0.55
		For Up To 50, Add	2.46	
		For >50 To 200, Add	1.54	
		For >200 To 500, Add	0.69	
		For >2,500 To 4,000, Deduct	-0.31	
		For >4,000 To 5,000, Deduct	-0.61	
		For >5,000, Deduct	-0.96	
		For Individual Room Quantities <495, Add	1.54	
		Note: For use with projects >500 SF		
		For Ceilings >10' High, Add	0.12	

**09 51 13 00-0009 Mineral Fiber Panels** (09 51 13)

**09 51 13 00-0010 Mineral Fiber Acoustical Ceiling Panels** (09 51 13 00-0009)

Note: Includes square or tegular edge and class A fire rating.

09 51 13 00-0011	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fissured) .....	2.61	0.44
		For Up To 50, Add	0.97	
		For >50 To 200, Add	0.55	
		For >200 To 500, Add	0.20	
		For >2,500 To 4,000, Deduct	-0.07	
		For >4,000 To 5,000, Deduct	-0.13	
		For >5,000, Deduct	-0.23	
		For Individual Room Quantities <495, Add	0.55	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	0.65	
		For Ceilings >10' High, Add	0.11	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0012	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fissured)	.....	2.43	0.44
		For Up To 50, Add		0.94	
		For >50 To 200, Add		0.53	
		For >200 To 500, Add		0.19	
		For >2,500 To 4,000, Deduct		-0.06	
		For >4,000 To 5,000, Deduct		-0.12	
		For >5,000, Deduct		-0.22	
		For Individual Room Quantities <495, Add		0.53	
		Note: For use with projects >500 SF			
		For Vertical Application, Add		0.65	
		For Ceilings >10' High, Add		0.11	
09 51 13 00-0013	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™)	.....	2.90	0.44
		For Up To 50, Add		1.01	
		For >50 To 200, Add		0.58	
		For >200 To 500, Add		0.22	
		For >2,500 To 4,000, Deduct		-0.07	
		For >4,000 To 5,000, Deduct		-0.15	
		For >5,000, Deduct		-0.25	
		For Individual Room Quantities <495, Add		0.58	
		Note: For use with projects >500 SF			
		For Vertical Application, Add		0.65	
		For Ceilings >10' High, Add		0.11	
09 51 13 00-0014	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™)	.....	2.82	0.44
		For Up To 50, Add		1.00	
		For >50 To 200, Add		0.57	
		For >200 To 500, Add		0.21	
		For >2,500 To 4,000, Deduct		-0.07	
		For >4,000 To 5,000, Deduct		-0.14	
		For >5,000, Deduct		-0.25	
		For Individual Room Quantities <495, Add		0.57	
		Note: For use with projects >500 SF			
		For Vertical Application, Add		0.65	
		For Ceilings >10' High, Add		0.11	
09 51 13 00-0015	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune)	.....	4.26	0.44
		For Up To 50, Add		1.22	
		For >50 To 200, Add		0.71	
		For >200 To 500, Add		0.29	
		For >2,500 To 4,000, Deduct		-0.11	
		For >4,000 To 5,000, Deduct		-0.21	
		For >5,000, Deduct		-0.36	
		For Individual Room Quantities <495, Add		0.71	
		Note: For use with projects >500 SF			
		For Vertical Application, Add		0.65	
		For Ceilings >10' High, Add		0.11	
09 51 13 00-0016	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune)	.....	3.42	0.44
		For Up To 50, Add		1.09	
		For >50 To 200, Add		0.63	
		For >200 To 500, Add		0.24	
		For >2,500 To 4,000, Deduct		-0.09	
		For >4,000 To 5,000, Deduct		-0.17	
		For >5,000, Deduct		-0.29	
		For Individual Room Quantities <495, Add		0.63	
		Note: For use with projects >500 SF			
		For Vertical Application, Add		0.65	
		For Ceilings >10' High, Add		0.11	
09 51 13 00-0017	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	.....	3.64	0.44
		For Up To 50, Add		1.12	
		For >50 To 200, Add		0.65	
		For >200 To 500, Add		0.25	
		For >2,500 To 4,000, Deduct		-0.09	
		For >4,000 To 5,000, Deduct		-0.18	
		For >5,000, Deduct		-0.31	
		For Individual Room Quantities <495, Add		0.65	
		Note: For use with projects >500 SF			
		For Vertical Application, Add		0.65	
		For Ceilings >10' High, Add		0.11	
09 51 13 00-0018	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	.....	3.25	0.44
		For Up To 50, Add		1.06	
		For >50 To 200, Add		0.61	
		For >200 To 500, Add		0.23	
		For >2,500 To 4,000, Deduct		-0.08	
		For >4,000 To 5,000, Deduct		-0.16	
		For >5,000, Deduct		-0.28	
		For Individual Room Quantities <495, Add		0.61	
		Note: For use with projects >500 SF			
		For Vertical Application, Add		0.65	
		For Ceilings >10' High, Add		0.11	
09 51 13 00-0019	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®)	.....	4.64	0.44
		For Up To 50, Add		1.27	
		For >50 To 200, Add		0.75	
		For >200 To 500, Add		0.30	
		For >2,500 To 4,000, Deduct		-0.12	
		For >4,000 To 5,000, Deduct		-0.23	
		For >5,000, Deduct		-0.38	
		For Individual Room Quantities <495, Add		0.75	
		Note: For use with projects >500 SF			
		For Vertical Application, Add		0.65	
		For Ceilings >10' High, Add		0.11	

**09 Finishes****09 50 Ceilings****09 51 Acoustical Ceilings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

09 51 13 00-0020	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®)	4.63	0.44
		<i>For Up To 50, Add</i>	1.27	
		<i>For &gt;50 To 200, Add</i>	0.75	
		<i>For &gt;200 To 500, Add</i>	0.30	
		<i>For &gt;2,500 To 4,000, Deduct</i>	-0.12	
		<i>For &gt;4,000 To 5,000, Deduct</i>	-0.23	
		<i>For &gt;5,000, Deduct</i>	-0.38	
		<i>For Individual Room Quantities &lt;495, Add</i>	0.75	
		<i>Note: For use with projects &gt;500 SF</i>		
		<i>For Vertical Application, Add</i>	0.65	
		<i>For Ceilings &gt;10' High, Add</i>	0.11	
09 51 13 00-0021	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™/High Washability)	6.15	0.44
		<i>For Up To 50, Add</i>	1.50	
		<i>For &gt;50 To 200, Add</i>	0.90	
		<i>For &gt;200 To 500, Add</i>	0.38	
		<i>For &gt;2,500 To 4,000, Deduct</i>	-0.15	
		<i>For &gt;4,000 To 5,000, Deduct</i>	-0.31	
		<i>For &gt;5,000, Deduct</i>	-0.50	
		<i>For Individual Room Quantities &lt;495, Add</i>	0.90	
		<i>Note: For use with projects &gt;500 SF</i>		
		<i>For Vertical Application, Add</i>	0.65	
		<i>For Ceilings &gt;10' High, Add</i>	0.11	
09 51 13 00-0022	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™/High Washability)	6.73	0.44
		<i>For Up To 50, Add</i>	1.59	
		<i>For &gt;50 To 200, Add</i>	0.96	
		<i>For &gt;200 To 500, Add</i>	0.41	
		<i>For &gt;2,500 To 4,000, Deduct</i>	-0.17	
		<i>For &gt;4,000 To 5,000, Deduct</i>	-0.34	
		<i>For &gt;5,000, Deduct</i>	-0.54	
		<i>For Individual Room Quantities &lt;495, Add</i>	0.96	
		<i>Note: For use with projects &gt;500 SF</i>		
		<i>For Vertical Application, Add</i>	0.65	
		<i>For Ceilings &gt;10' High, Add</i>	0.11	
09 51 13 00-0023	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong VL Perforated)	5.89	0.44
		<i>For Up To 50, Add</i>	1.46	
		<i>For &gt;50 To 200, Add</i>	0.88	
		<i>For &gt;200 To 500, Add</i>	0.37	
		<i>For &gt;2,500 To 4,000, Deduct</i>	-0.15	
		<i>For &gt;4,000 To 5,000, Deduct</i>	-0.29	
		<i>For &gt;5,000, Deduct</i>	-0.48	
		<i>For Individual Room Quantities &lt;495, Add</i>	0.88	
		<i>Note: For use with projects &gt;500 SF</i>		
		<i>For Vertical Application, Add</i>	0.65	
		<i>For Ceilings &gt;10' High, Add</i>	0.11	
09 51 13 00-0024	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong VL Perforated)	5.86	0.44
		<i>For Up To 50, Add</i>	1.46	
		<i>For &gt;50 To 200, Add</i>	0.87	
		<i>For &gt;200 To 500, Add</i>	0.37	
		<i>For &gt;2,500 To 4,000, Deduct</i>	-0.15	
		<i>For &gt;4,000 To 5,000, Deduct</i>	-0.29	
		<i>For &gt;5,000, Deduct</i>	-0.48	
		<i>For Individual Room Quantities &lt;495, Add</i>	0.87	
		<i>Note: For use with projects &gt;500 SF</i>		
		<i>For Vertical Application, Add</i>	0.65	
		<i>For Ceilings &gt;10' High, Add</i>	0.11	
09 51 13 00-0025	SF	20" x 60" x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (USG Radar™2617)	2.91	0.44
		<i>For Ceilings &gt;10' High, Add</i>	0.11	
09 51 13 00-0026	SF	20" x 60" x 5/8" Thick, Tapered Edge, Mineral Fiber Acoustical Ceiling Panel (USG Radar™2627)	3.22	0.44
		<i>For Ceilings &gt;10' High, Add</i>	0.11	
09 51 13 00-0027	SF	2' x 2' x 5/8" Thick Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ceramaguard 607A)	7.48	0.78
		<i>For Ceilings &gt;10' High, Add</i>	0.11	

**09 51 13 00-0028 Wood Fiber Panels** (09 51 13)

09 51 13 00-0029	SF	2' x 2' x 1/2" Wood Fiber Acoustical Ceiling Panels	5.07	0.66
		<i>For Up To 50, Add</i>	1.55	
		<i>For &gt;50 To 200, Add</i>	0.90	
		<i>For &gt;200 To 500, Add</i>	0.35	
		<i>For &gt;2,500 To 4,000, Deduct</i>	-0.13	
		<i>For &gt;4,000 To 5,000, Deduct</i>	-0.25	
		<i>For &gt;5,000, Deduct</i>	-0.43	
		<i>For Individual Room Quantities &lt;495, Add</i>	0.90	
		<i>Note: For use with projects &gt;500 SF</i>		
		<i>For Ceilings &gt;10' High, Add</i>	0.15	
09 51 13 00-0030	SF	2' x 4' x 1/2" Wood Fiber Acoustical Ceiling Panels	4.86	0.66
		<i>For Up To 50, Add</i>	1.44	
		<i>For &gt;50 To 200, Add</i>	0.84	
		<i>For &gt;200 To 500, Add</i>	0.33	
		<i>For &gt;2,500 To 4,000, Deduct</i>	-0.12	
		<i>For &gt;4,000 To 5,000, Deduct</i>	-0.24	
		<i>For &gt;5,000, Deduct</i>	-0.41	
		<i>For Individual Room Quantities &lt;495, Add</i>	0.84	
		<i>Note: For use with projects &gt;500 SF</i>		
		<i>For Ceilings &gt;10' High, Add</i>	0.13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0031	SF	2' x 2' x 5/8"	Wood Fiber Acoustical Ceiling Panels.....	6.45	0.66
			For Up To 50, Add	1.76	
			For >50 To 200, Add	1.04	
			For >200 To 500, Add	0.42	
			For >2,500 To 4,000, Deduct	-0.16	
			For >4,000 To 5,000, Deduct	-0.32	
			For >5,000, Deduct	-0.53	
			For Individual Room Quantities <495, Add	1.04	
			Note: For use with projects >500 SF		
			For Ceilings >10' High, Add	0.15	
09 51 13 00-0032	SF	2' x 4' x 5/8"	Wood Fiber Acoustical Ceiling Panels.....	6.24	0.66
			For Up To 50, Add	1.64	
			For >50 To 200, Add	0.98	
			For >200 To 500, Add	0.40	
			For >2,500 To 4,000, Deduct	-0.16	
			For >4,000 To 5,000, Deduct	-0.31	
			For >5,000, Deduct	-0.51	
			For Individual Room Quantities <495, Add	0.98	
			Note: For use with projects >500 SF		
			For Ceilings >10' High, Add	0.13	
09 51 13 00-0033	SF	2' x 2' x 3/4"	Wood Fiber Acoustical Ceiling Panels.....	7.78	0.66
			For Up To 50, Add	1.96	
			For >50 To 200, Add	1.17	
			For >200 To 500, Add	0.49	
			For >2,500 To 4,000, Deduct	-0.19	
			For >4,000 To 5,000, Deduct	-0.39	
			For >5,000, Deduct	-0.63	
			For Individual Room Quantities <495, Add	1.17	
			Note: For use with projects >500 SF		
			For Ceilings >10' High, Add	0.15	
09 51 13 00-0034	SF	2' x 4' x 3/4"	Wood Fiber Acoustical Ceiling Panels.....	7.57	0.66
			For Up To 50, Add	1.84	
			For >50 To 200, Add	1.11	
			For >200 To 500, Add	0.47	
			For >2,500 To 4,000, Deduct	-0.19	
			For >4,000 To 5,000, Deduct	-0.38	
			For >5,000, Deduct	-0.61	
			For Individual Room Quantities <495, Add	1.11	
			Note: For use with projects >500 SF		
			For Ceilings >10' High, Add	0.13	
09 51 13 00-0035	SF	2' x 2' x 1"	Wood Fiber Acoustical Ceiling Panels.....	5.88	0.66
			For Up To 50, Add	1.67	
			For >50 To 200, Add	0.98	
			For >200 To 500, Add	0.39	
			For >2,500 To 4,000, Deduct	-0.15	
			For >4,000 To 5,000, Deduct	-0.29	
			For >5,000, Deduct	-0.49	
			For Individual Room Quantities <495, Add	0.98	
			Note: For use with projects >500 SF		
			For Ceilings >10' High, Add	0.15	
09 51 13 00-0036	SF	2' x 4' x 1"	Wood Fiber Acoustical Ceiling Panels.....	5.67	0.66
			For Up To 50, Add	1.56	
			For >50 To 200, Add	0.92	
			For >200 To 500, Add	0.37	
			For >2,500 To 4,000, Deduct	-0.14	
			For >4,000 To 5,000, Deduct	-0.28	
			For >5,000, Deduct	-0.47	
			For Individual Room Quantities <495, Add	0.92	
			Note: For use with projects >500 SF		
			For Ceilings >10' High, Add	0.13	
09 51 13 00-0037			<b>Removal And Reinstallation Of Acoustical Ceiling Panels</b> (09 51 13)		
			Note: 2'x2' Or 2'x4'. Includes storage and cleaning.		
09 51 13 00-0038	SF		Removal And Reinstallation Of Acoustical Panels Only .....	2.27	
			For Up To 50, Add	1.25	
			For >50 To 200, Add	0.68	
			For >200 To 500, Add	0.23	
			For >2,500 To 4,000, Deduct	-0.06	
			For >4,000 To 5,000, Deduct	-0.11	
			For >5,000, Deduct	-0.23	
			For Ceilings >10' High, Add	0.17	
09 51 23			<b>Acoustical Tile Ceilings</b> (09 51)		
			Note: Includes fastening with staples and/or adhesive.		
09 51 23 00-0001			<b>Mineral Fiber Acoustical Tile Ceilings</b> (09 51 23)		
09 51 23 00-0002	SF	12" x 12" x 1/2"	Tongue And Groove Mineral Fiber Acoustical Ceiling Tile .....	5.38	1.22
			For Furring 1 x 3 Strips 12" On Center, Add	0.50	
			For Up To 50, Add	1.92	
			For >50 To 200, Add	1.09	
			For >200 To 500, Add	0.41	
			For >2,500, Deduct	-0.27	
			For Ceilings >10' High, Add	0.21	

**09 Finishes****09 50 Ceilings****09 51 Acoustical Ceilings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

09 51 23 00-0003	SF	12" x 12" x 5/8" Spline Mineral Fiber Acoustical Ceiling Tile	6.36	1.22
		<i>For Furring 1 x 3 Strips 12" On Center, Add</i>	0.50	
		<i>For Up To 50, Add</i>	2.07	
		<i>For &gt;50 To 200, Add</i>	1.19	
		<i>For &gt;200 To 500, Add</i>	0.46	
		<i>For &gt;2,500, Deduct</i>	-0.32	
		<i>For Placing Tiles In Suspended Ceiling System, Deduct</i>	-0.42	
		<i>For Ceilings &gt;10' High, Add</i>	0.21	
09 51 23 00-0004	SF	12" x 12" x 3/4" Spline Mineral Fiber Acoustical Ceiling Tile	7.14	1.22
		<i>For Furring 1 x 3 Strips 12" On Center, Add</i>	0.50	
		<i>For Up To 50, Add</i>	2.18	
		<i>For &gt;50 To 200, Add</i>	1.27	
		<i>For &gt;200 To 500, Add</i>	0.50	
		<i>For &gt;2,500, Deduct</i>	-0.36	
		<i>For Placing Tiles In Suspended Ceiling System, Deduct</i>	-0.42	
		<i>For Ceilings &gt;10' High, Add</i>	0.21	
<b>09 51 23 00-0005</b>		<b>Wood Fiber Acoustical Tile Ceilings</b> (09 51 23)		
09 51 23 00-0006	SF	12" x 12" x 1/2" Staple Flange Wood Fiber Acoustical Ceiling Tile	4.98	1.22
		<i>For Furring 1 x 3 Strips 12" On Center, Add</i>	0.50	
		<i>For Up To 50, Add</i>	1.86	
		<i>For &gt;50 To 200, Add</i>	1.05	
		<i>For &gt;200 To 500, Add</i>	0.39	
		<i>For &gt;2,500, Deduct</i>	-0.25	
		<i>For Ceilings &gt;10' High, Add</i>	0.21	
<b>09 51 33</b>		<b>Acoustical Metal Pan Ceilings</b> (09 51)		
<b>09 51 33 13</b>		<b>Acoustical Snap-in Metal Pan Ceilings</b> (09 51 33)		
<b>09 51 33 13-0001</b>		<b>Galvanized Steel, Acoustical Snap-In Metal Ceiling Panels</b> (09 51 33 13)		
09 51 33 13-0002	SF	24" x 24", Unperforated, Tamper-Resistant, 18 Gauge, Galvanized Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ SecureLock™)	19.06	0.97
09 51 33 13-0003	SF	24" x 24", Perforated, Tamper-Resistant, 18 Gauge, Galvanized Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ SecureLock™)	20.38	0.97
<b>09 51 33 13-0004</b>		<b>Aluminum, Acoustical Snap-In Metal Ceiling Panels</b> (09 51 33 13)		
09 51 33 13-0005	SF	24" x 24", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	14.26	1.11
09 51 33 13-0006	SF	24" x 24", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	24.10	1.11
09 51 33 13-0007	SF	24" x 24", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	47.03	1.11
09 51 33 13-0008	SF	24" x 24", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	21.37	1.11
09 51 33 13-0009	SF	24" x 24", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	15.05	1.11
09 51 33 13-0010	SF	24" x 24", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	23.48	1.11
09 51 33 13-0011	SF	24" x 24", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	46.68	1.11
09 51 33 13-0012	SF	24" x 24", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	21.20	1.11
09 51 33 13-0013	SF	30" x 30", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	19.35	1.11
09 51 33 13-0014	SF	30" x 30", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	25.41	1.11
09 51 33 13-0015	SF	30" x 30", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	51.86	1.11
09 51 33 13-0016	SF	30" x 30", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	25.15	1.11
09 51 33 13-0017	SF	30" x 30", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	20.49	1.11
09 51 33 13-0018	SF	30" x 30", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	26.03	1.11
09 51 33 13-0019	SF	30" x 30", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	53.62	1.11
09 51 33 13-0020	SF	30" x 30", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	25.77	1.11
09 51 33 13-0021	SF	12" x 48", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	17.51	1.11
09 51 33 13-0022	SF	12" x 48", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	28.58	1.11
09 51 33 13-0023	SF	12" x 48", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	50.72	1.11
09 51 33 13-0024	SF	12" x 48", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	24.54	1.11
09 51 33 13-0025	SF	12" x 48", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	18.83	1.11
09 51 33 13-0026	SF	12" x 48", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	28.93	1.11
09 51 33 13-0027	SF	12" x 48", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	52.56	1.11
09 51 33 13-0028	SF	12" x 48", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	25.33	1.11

	MINOR	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 51 33 13-0029	SF		24" x 48", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	13.89	1.11
09 51 33 13-0030	SF		24" x 48", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	21.27	1.11
09 51 33 13-0031	SF		24" x 48", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	44.11	1.11
09 51 33 13-0032	SF		24" x 48", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	20.21	1.11
09 51 33 13-0033	SF		24" x 48", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	14.77	1.11
09 51 33 13-0034	SF		24" x 48", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	21.09	1.11
09 51 33 13-0035	SF		24" x 48", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	44.20	1.11
09 51 33 13-0036	SF		24" x 48", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	20.21	1.11

**09 51 33 23 Acoustical Lay-in Metal Pan Ceilings (09 51 33)**

**09 51 33 23-0001 Acoustical Lay-In Metal Pan Ceilings (09 51 33 23)**

**09 51 33 23-0002 Aluminum, Acoustical Lay-In Metal Ceiling Panels (09 51 33 23-0001)**

09 51 33 23-0003	SF		24" x 24", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	14.84	0.84
09 51 33 23-0004	SF		24" x 24", Unperforated, Metallic Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	16.82	0.84
09 51 33 23-0005	SF		24" x 24", Unperforated, Wood Tone Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	24.72	0.84
09 51 33 23-0006	SF		24" x 24", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	20.99	0.84
09 51 33 23-0007	SF		24" x 24", Perforated, Metallic Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	22.53	0.84
09 51 33 23-0008	SF		24" x 24", Perforated, Wood Tone Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	35.49	0.84
09 51 33 23-0009	SF		30" x 30", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	22.18	0.84
09 51 33 23-0010	SF		30" x 30", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	27.53	0.84
09 51 33 23-0011	SF		48" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	22.31	0.84
09 51 33 23-0012	SF		48" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	27.69	0.84
09 51 33 23-0013	SF		12" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	22.42	0.84
09 51 33 23-0014	SF		12" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	27.58	0.84
09 51 33 23-0015	SF		24" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	22.42	0.84
09 51 33 23-0016	SF		24" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	27.80	0.84

**09 51 33 23-0017 Steel, Acoustical Lay-In Metal Ceiling Panels (09 51 33 23-0001)**

09 51 33 23-0018	SF		24" x 24", Unperforated, 0.021" Thick, Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®).....	19.16	0.84
09 51 33 23-0019	SF		24" x 24", Unperforated, 0.021" Thick, Metallic Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®).....	22.85	0.84
09 51 33 23-0020	SF		24" x 24", Unperforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®).....	24.52	0.84
09 51 33 23-0021	SF		24" x 24", Perforated, 0.021" Thick, Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®).....	23.03	0.84
09 51 33 23-0022	SF		24" x 24", Perforated, 0.021" Thick, Metallic Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®).....	23.64	0.84
09 51 33 23-0023	SF		24" x 24", Perforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®).....	25.05	0.84

**09 51 33 33 Acoustical Tegular Lay-in Metal Pan Ceilings (09 51 33)**

**09 51 33 33-0001 Acoustical Tegular Lay-In Metal Pan Ceilings (09 51 33 33)**

**09 51 33 33-0002 Steel, Acoustical Tegular Lay-In Metal Pan Ceilings (09 51 33 33-0001)**

09 51 33 33-0003	SF		24" x 24", Unperforated, 0.021" Thick, Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™).....	13.98	0.84
09 51 33 33-0004	SF		24" x 24", Unperforated, 0.021" Thick, Metallic Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™).....	15.74	0.84
09 51 33 33-0005	SF		24" x 24", Unperforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™).....	22.24	0.84
09 51 33 33-0006	SF		24" x 24", Perforated, 0.021" Thick, Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™).....	15.91	0.84
09 51 33 33-0007	SF		24" x 24", Perforated, 0.021" Thick, Metallic Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™).....	18.02	0.84
09 51 33 33-0008	SF		24" x 24", Perforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™).....	24.26	0.84

**09 53 Acoustical Ceiling Suspension Assemblies (09 50)**

**09 53 23 Metal Acoustical Ceiling Suspension Assemblies (09 53)**

**09 53 23 00-0001 Ceiling Suspension Systems (09 53 23)**

Note: Hot-dipped galvanized steel. Includes single 8 gauge wire hangers (between 3' To 4') attached from wood deck or wood members above to main members 4' on center. Includes all main tees, cross tees, wall angle, wall anchors, connector clips, hold down clips, double faced tape (where required). All above shall be mechanically installed by minimum 2-1/4" x 3/8" wedge anchors. Excludes chain supports for lights.

**09 Finishes**

**09 50 Ceilings**

**09 53 Acoustical Ceiling Suspension Assemblies**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 53 23 00-0002	SF 1' x 1' Grid, Concealed, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System.....	4.25	0.55
	Note: Excludes ceiling tile.		
	For Fastening To Concrete, Add	1.31	
	For Fastening To Steel, Add	1.44	
	For Vertical Application, Add	2.11	
	For Individual Room Quantities <495, Add	0.45	
	Note: For use with projects >500 SF		
	For Up To 50, Add	1.60	
	For >50 To 200, Add	0.91	
	For >200 To 500, Add	0.33	
	For >2,500 To 4,000, Deduct	-0.10	
	For >4,000 To 5,000, Deduct	-0.18	
	For >5,000, Deduct	-0.25	
	For Ceilings >10' High, Add	0.18	
09 53 23 00-0003	SF 1' x 2' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System.....	3.43	0.55
	For UL Listed (Fire Guard), Add	0.21	
	For 1-1/2" Wide Faced Grid, Add	0.39	
	For Fastening To Concrete, Add	1.27	
	For Fastening To Steel, Add	1.40	
	For Vertical Application, Add	1.77	
	For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
	For Individual Room Quantities <495, Add	0.37	
	Note: For use with projects >500 SF		
	For Aluminum T-Bar System, Add	0.63	
	For Up To 50, Add	1.32	
	For >50 To 200, Add	0.75	
	For >200 To 500, Add	0.27	
	For >2,500 To 4,000, Deduct	-0.08	
	For >4,000 To 5,000, Deduct	-0.14	
	For >5,000, Deduct	-0.21	
	For Ceilings >10' High, Add	0.15	
09 53 23 00-0004	SF 2' x 2' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System.....	2.88	0.55
	For UL Listed (Fire Guard), Add	0.15	
	For 1-1/2" Wide Faced Grid, Add	0.29	
	For Fastening To Concrete, Add	1.26	
	For Fastening To Steel, Add	1.39	
	For Vertical Application, Add	1.62	
	For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
	For Individual Room Quantities <495, Add	0.33	
	Note: For use with projects >500 SF		
	For Aluminum T-Bar System, Add	0.46	
	For Up To 50, Add	1.17	
	For >50 To 200, Add	0.66	
	For >200 To 500, Add	0.24	
	For >2,500 To 4,000, Deduct	-0.07	
	For >4,000 To 5,000, Deduct	-0.12	
	For >5,000, Deduct	-0.18	
	For Black Grid, Add	0.13	
	For Ceilings >10' High, Add	0.14	
	For Concealed Spline Grid, Add	0.44	
09 53 23 00-0005	SF 2' x 4' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System.....	2.39	0.55
	For UL Listed (Fire Guard), Add	0.13	
	For 1-1/2" Wide Faced Grid, Add	0.24	
	For Fastening To Concrete, Add	1.23	
	For Fastening To Steel, Add	1.36	
	For Vertical Application, Add	1.55	
	For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
	For Individual Room Quantities <495, Add	0.27	
	Note: For use with projects >500 SF		
	For Aluminum T-Bar System, Add	0.38	
	For Up To 50, Add	0.98	
	For >50 To 200, Add	0.55	
	For >200 To 500, Add	0.20	
	For >2,500 To 4,000, Deduct	-0.06	
	For >4,000 To 5,000, Deduct	-0.10	
	For >5,000, Deduct	-0.15	
	For Black Grid, Add	0.11	
	For Ceilings >10' High, Add	0.12	
	For Concealed Spline Grid, Add	0.37	
09 53 23 00-0006	SF 1'-8" To 2' x 5' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System .....	2.10	0.55
	For UL Listed (Fire Guard), Add	0.12	
	For 1-1/2" Wide Faced Grid, Add	0.22	
	For Fastening To Concrete, Add	1.20	
	For Fastening To Steel, Add	1.33	
	For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
	For Individual Room Quantities <495, Add	0.24	
	Note: For use with projects >500 SF		
	For Aluminum T-Bar System, Add	0.35	
	For Up To 50, Add	0.85	
	For >50 To 200, Add	0.48	
	For >200 To 500, Add	0.17	
	For >2,500 To 4,000, Deduct	-0.05	
	For >4,000 To 5,000, Deduct	-0.09	
	For >5,000, Deduct	-0.13	
	For Ceilings >10' High, Add	0.10	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 53 23 00-0007	SF	2' x 2'	Grid, Hot Dipped Galvanized Steel, 9/16" T Bar Ceiling Suspension System.....	3.09	0.55
			<i>For UL Listed (Fire Guard), Add</i>	0.19	
			<i>For Fastening To Concrete, Add</i>	1.26	
			<i>For Fastening To Steel, Add</i>	1.39	
			<i>For Vertical Application, Add</i>	1.62	
			<i>For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add</i>	2.50	
			<i>For Individual Room Quantities &lt;495, Add</i>	0.34	
			<i>Note: For use with projects &gt;500 SF</i>		
			<i>For Up To 50, Add</i>	1.20	
			<i>For &gt;50 To 200, Add</i>	0.68	
			<i>For &gt;200 To 500, Add</i>	0.25	
			<i>For &gt;2,500 To 4,000, Deduct</i>	-0.07	
			<i>For &gt;4,000 To 5,000, Deduct</i>	-0.13	
			<i>For &gt;5,000, Deduct</i>	-0.19	
			<i>For Black Grid, Add</i>	0.16	
			<i>For Ceilings &gt;10' High, Add</i>	0.14	

09 53 23 00-0008	SF	2' x 4'	Grid, Hot Dipped Galvanized Steel, 9/16" T Bar Ceiling Suspension System.....	2.55	0.55
			<i>For UL Listed (Fire Guard), Add</i>	0.15	
			<i>For Fastening To Concrete, Add</i>	1.23	
			<i>For Fastening To Steel, Add</i>	1.36	
			<i>For Vertical Application, Add</i>	1.55	
			<i>For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add</i>	2.50	
			<i>For Individual Room Quantities &lt;495, Add</i>	0.28	
			<i>Note: For use with projects &gt;500 SF</i>		
			<i>For Up To 50, Add</i>	1.00	
			<i>For &gt;50 To 200, Add</i>	0.57	
			<i>For &gt;200 To 500, Add</i>	0.21	
			<i>For &gt;2,500 To 4,000, Deduct</i>	-0.06	
			<i>For &gt;4,000 To 5,000, Deduct</i>	-0.11	
			<i>For &gt;5,000, Deduct</i>	-0.16	
			<i>For Black Grid, Add</i>	0.13	
			<i>For Ceilings &gt;10' High, Add</i>	0.12	

**09 53 23 00-0009 Ceiling Suspension System Accessories (09 53 23)**

09 53 23 00-0010	LF	Pencil Rod Support For Suspended Ceiling with Accessories.....		1.30	
09 53 23 00-0011	LF	1" x 1/8" Flat Bar Bracing For Suspended Ceiling .....		3.37	1.55
		<i>For 304 Stainless Steel, Add</i>		2.94	
		<i>For 316 Stainless Steel, Add</i>		3.30	
		<i>For Aluminum, Add</i>		0.19	
		<i>For Galvanized Steel, Add</i>		0.64	
09 53 23 00-0012	LF	1" x 3/16" Flat Bar Bracing For Suspended Ceiling .....		4.81	1.66
		<i>For 304 Stainless Steel, Add</i>		4.47	
		<i>For 316 Stainless Steel, Add</i>		5.02	
		<i>For Aluminum, Add</i>		0.28	
		<i>For Galvanized Steel, Add</i>		0.97	
09 53 23 00-0013	LF	1-1/2" x 1/4" Flat Bar Bracing For Suspended Ceiling .....		6.80	1.77
		<i>For 304 Stainless Steel, Add</i>		8.95	
		<i>For 316 Stainless Steel, Add</i>		10.05	
		<i>For Aluminum, Add</i>		0.57	
		<i>For Galvanized Steel, Add</i>		1.95	
09 53 23 00-0014	EA	2", Exposed 15/16" Hot-dipped Galvanized Steel, Suspended Ceiling Cross Tee.....		6.75	0.32
		<i>Note: Can be used to convert an existing 2' x 4' suspension system to a 2' x 2' system or to replace an individual component.</i>			
09 53 23 00-0015	EA	Lateral Support For Suspended Ceiling Channel, Installed 12'-0" On Center Maximum .....		29.19	8.54
		<i>Note: Includes vertical center strut and four 12 gauge diagonal wires.</i>			
09 53 23 00-0016	EA	Up To 30" Compression Posts, Telescopic, With Splay Wires, Attached To Structure.....		71.81	22.57
09 53 23 00-0017	EA	>30" To 48" Compression Posts, Telescopic, With Splay Wires, Attached To Structure.....		74.37	23.00
09 53 23 00-0018	EA	>48" To 84" Compression Posts, Telescopic, With Splay Wires, Attached To Structure.....		83.03	23.00

**09 53 23 00-0019 Removal And Reinstallation Of Acoustical Ceiling Suspension Assembly (09 53 23)**

09 53 23 00-0020	SF	Removal And Reinstallation Of Acoustical Ceiling Tile And Grid, 2' x 2' Or 2' x 4' .....		3.06	
		<i>Note: Suspension system tie wire, wall angles and bracing to remain in place.</i>			
		<i>For Up To 50, Add</i>		1.68	
		<i>For &gt;50 To 200, Add</i>		0.92	
		<i>For &gt;200 To 500, Add</i>		0.31	
		<i>For &gt;2,500 To 4,000, Deduct</i>		-0.08	
		<i>For &gt;4,000 To 5,000, Deduct</i>		-0.15	
		<i>For &gt;5,000, Deduct</i>		-0.23	
		<i>For Ceilings &gt;10' High, Add</i>		0.23	
09 53 23 00-0021	SF	Removal And Reinstallation Of Grid System Only .....		1.33	
		<i>Note: Suspension system tie wire, wall angles and bracing to remain in place.</i>			
		<i>For Up To 50, Add</i>		0.73	
		<i>For &gt;50 To 200, Add</i>		0.40	
		<i>For &gt;200 To 500, Add</i>		0.13	
		<i>For &gt;2,500 To 4,000, Deduct</i>		-0.03	
		<i>For &gt;4,000 To 5,000, Deduct</i>		-0.07	
		<i>For &gt;5,000, Deduct</i>		-0.10	
		<i>For Ceilings &gt;10' High, Add</i>		0.10	

**09 54 Specialty Ceilings (09 50)**
**09 54 16 Luminous Ceilings (09 54)**

09 54 16 00-0001 Translucent Ceiling Panels (09 54 16)

**09 Finishes****09 50 Ceilings****09 54 Specialty Ceilings**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

09 54 16 00-0002	SF	2' x 2' x 0.013" Thick, Rigid Vinyl Plastic, Translucent Ceiling Panel .....	3.33	0.55
		<i>For Ceilings &gt;10' High, Add</i>	0.09	
		<i>For &gt;100 To 200, Deduct</i>	-0.14	
		<i>For &gt;200 To 300, Deduct</i>	-0.37	
		<i>For &gt;300, Deduct</i>	-0.64	

**09 54 23 Linear Metal Ceilings (09 54)****09 54 23 00-0001 Linear Ceiling Systems (09 54 23)****09 54 23 00-0002 0.032" Aluminum, Linear Ceiling Systems (09 54 23 00-0001)**
 Note: For flat ceilings. Includes round or box style panels with KYNAR 500® or HYLAR 5000® PVDF finish.  
 Includes ceiling suspension system and flush or recessed filler strips.

09 54 23 00-0003	SF	4" Panel Width, 0.032" Aluminum, Linear Ceiling System .....	19.07	2.27
		<i>For Up To 50, Add</i>	5.04	
		<i>For &gt;50 To 200, Add</i>	3.00	
		<i>For &gt;200 To 500, Add</i>	1.23	
		<i>For &gt;2,500, Deduct</i>	-0.95	
		<i>For Ceilings &gt;10' High, Add</i>	0.41	
		<i>For Linear Ceiling Systems Without Filler Strips, Deduct</i>	-3.37	
		<i>For Curved Ceilings, Add</i>	1.31	
09 54 23 00-0004	SF	8" Panel Width, 0.032" Aluminum, Linear Ceiling System .....	15.46	2.27
		<i>For Up To 50, Add</i>	4.45	
		<i>For &gt;50 To 200, Add</i>	2.61	
		<i>For &gt;200 To 500, Add</i>	1.04	
		<i>For &gt;2,500, Deduct</i>	-0.77	
		<i>For Ceilings &gt;10' High, Add</i>	0.40	
		<i>For Linear Ceiling Systems Without Filler Strips, Deduct</i>	-1.69	
		<i>For Curved Ceilings, Add</i>	1.29	
09 54 23 00-0005	SF	12" Panel Width, 0.032" Aluminum, Linear Ceiling System.....	14.05	2.27
		<i>For Up To 50, Add</i>	4.19	
		<i>For &gt;50 To 200, Add</i>	2.45	
		<i>For &gt;200 To 500, Add</i>	0.96	
		<i>For &gt;2,500, Deduct</i>	-0.70	
		<i>For Ceilings &gt;10' High, Add</i>	0.39	
		<i>For Linear Ceiling Systems Without Filler Strips, Deduct</i>	-1.11	
		<i>For Curved Ceilings, Add</i>	1.26	

**09 54 23 00-0006 Tin Ceilings (09 54 23)**

09 54 23 00-0007	SF	2' x 2' Tin Ceiling Embossed Panels .....	21.55	3.52
		<i>For Up To 50, Add</i>	4.92	
		<i>For &gt;50 To 200, Add</i>	3.00	
		<i>For &gt;200 To 500, Add</i>	1.29	
		<i>For &gt;2,500, Deduct</i>	-1.08	
		<i>For Ceilings &gt;10' High, Add</i>	0.32	
09 54 23 00-0008	SF	12" x 12" Tin Ceiling Embossed Plates.....	32.08	2.27
		<i>For Up To 50, Add</i>	6.60	
		<i>For &gt;50 To 200, Add</i>	4.10	
		<i>For &gt;200 To 500, Add</i>	1.83	
		<i>For &gt;2,500, Deduct</i>	-1.60	
		<i>For Ceilings &gt;10' High, Add</i>	0.34	
09 54 23 00-0009	SF	12" x 24" Tin Ceiling Embossed Plates.....	23.30	2.27
		<i>For Up To 50, Add</i>	5.28	
		<i>For &gt;50 To 200, Add</i>	3.22	
		<i>For &gt;200 To 500, Add</i>	1.39	
		<i>For &gt;2,500, Deduct</i>	-1.17	
		<i>For Ceilings &gt;10' High, Add</i>	0.34	
09 54 23 00-0010	SF	24" x 24" Tin Ceiling Embossed Plates.....	21.39	2.27
		<i>For Up To 50, Add</i>	4.86	
		<i>For &gt;50 To 200, Add</i>	2.96	
		<i>For &gt;200 To 500, Add</i>	1.28	
		<i>For &gt;2,500, Deduct</i>	-1.07	
		<i>For Ceilings &gt;10' High, Add</i>	0.31	
09 54 23 00-0011	SF	24" x 48" Tin Ceiling Embossed Plates.....	18.66	1.70
		<i>For Up To 50, Add</i>	4.24	
		<i>For &gt;50 To 200, Add</i>	2.59	
		<i>For &gt;200 To 500, Add</i>	1.11	
		<i>For &gt;2,500, Deduct</i>	-0.93	
		<i>For Ceilings &gt;10' High, Add</i>	0.27	
09 54 23 00-0012	LF	3" Or 4" Wide Embossed Molding.....	14.25	3.40
		<i>For Ceilings &gt;10' High, Add</i>	0.50	
09 54 23 00-0013	LF	6" Wide Embossed Molding.....	17.92	3.97
		<i>For Ceilings &gt;10' High, Add</i>	0.55	
09 54 23 00-0014	LF	12" Wide Embossed Molding.....	24.10	4.65
		<i>For Ceilings &gt;10' High, Add</i>	0.70	
09 54 23 00-0015	EA	3", 4" Or 6" Wide Embossed Cross, Tee Or Ell.....	41.09	10.76
		<i>For Ceilings &gt;10' High, Add</i>	1.58	
09 54 23 00-0016	EA	12" Wide Embossed Cross, Tee Or Ell.....	57.37	12.58
		<i>For Ceilings &gt;10' High, Add</i>	1.89	

**09 57 Special Function Ceilings (09 50)****09 57 63 High Impact Ceilings (09 57)****09 57 63 00-0001 High Impact Ceilings (09 57 63)**

09 57 63 00-0002	SF	Polyvinyl Chloride Face High Impact Ceiling Panels.....	6.85	1.11
		<i>For Ceilings &gt;10' High, Add</i>	0.13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 57	63 00-0003	EA	High Impact Clips..... <i>For Ceilings &gt;10' High, Add</i>	4.10	0.89
				0.21	

### 09 60 Flooring<sup>(09)</sup>

Note: Perform moisture testing as recommended by manufacturer.

#### 09 61 Flooring Treatment<sup>(09 60)</sup>

##### 09 61 13 Slip-Resistant Flooring Treatment<sup>(09 61)</sup>

##### 09 61 13 00-0001 Anti-Slip Tape<sup>(09 61 13)</sup>

Note: Grit sandpaper surface with adhesive back.

09 61	13 00-0002	LF	1" Anti-Slip Tape.....	2.84	2.22
				3.56	2.45
				4.25	2.69
				4.91	2.95
				6.20	3.25
				10.74	4.87
				15.26	7.32

### 09 63 Masonry Flooring<sup>(09 60)</sup>

#### 09 63 13 Brick Flooring<sup>(09 63)</sup>

##### 09 63 13 00-0001 Clay Bricks<sup>(09 63 13)</sup>

09 63	13 00-0002	SF	2-1/4" Thick Clay Brick Floor ..... <i>For Basket Weave Pattern, Add</i>	25.86	9.35
				2.00	
				2.67	
				5.05	
				28.97	9.35
				2.00	
				2.67	
				5.05	
				17.09	9.35
				2.00	
				2.66	
				5.05	
				19.91	9.35
				2.00	
				2.66	
				5.05	
				18.35	9.35
				2.00	
				2.66	
				5.05	
				22.10	9.35
				2.00	
				2.66	
				5.05	
				19.57	9.35
				2.00	
				2.66	
				5.05	
				24.31	9.35
				2.00	
				2.66	
				5.05	

#### 09 63 43 Composition Stone Flooring<sup>(09 63)</sup>

##### 09 63 43 00-0001 Cupric Oxchloride Cement, Seamless Flooring System<sup>(09 63 43)</sup>

Note: Chemical and slip resistant. OSHA and USDA approved.

09 63	43 00-0002	SF	3/8" Thick, Cupric Oxchloride Cement, Seamless Flooring System, Trowel Applied.....	17.49	6.11
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### 09 64 Wood Flooring<sup>(09 60)</sup>

#### 09 64 13 Wood Flooring Underlayment<sup>(09 64)</sup>

##### 09 64 13 00-0001 Wood Flooring Underlayment<sup>(09 64 13)</sup>

09 64	13 00-0002	SF	Regular Weight Red Rosin Paper, Wood Flooring Underlayment.....	0.55	
				0.56	
				0.58	
				0.63	
				0.58	
				0.62	
				2.14	0.38
				2.23	0.38
				0.86	
				1.04	
				1.11	
				1.32	
				1.34	0.25

**09 Finishes****09 60 Flooring****09 64 Wood Flooring**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST
**09 64 23 Wood Parquet Flooring (09 64)**

Note: All wood parquet flooring is prefinished at factory.

**09 64 23 00-0001 Hardwood Parquet Flooring (09 64 23)**

09 64 23 00-0002	SF	5/16" Thick Oak Parquet Flooring.....	12.54	1.11
		For Up To 20, Add	5.00	
		For >20 To 50, Add	2.64	
		For >50 To 100, Add	1.32	
		For >100 To 300, Add	0.66	

**09 64 29 Wood Strip and Plank Flooring (09 64)**

Note: All wood strip flooring is unfinished, tongue and groove.

**09 64 29 00-0001 Unfinished Fir, Wood Strip Flooring (09 64 29)**

09 64 29 00-0002	SF	3-1/8" Plank Width, 3/4" Thick, Plain Sawn, Clear Vertical Grain (C Or Better) Unfinished Fir, Wood Strip Flooring.....	13.63	1.11
		For Factory Finish, Add	0.86	
		For Random Width Floor, Add	3.16	
		For Up To 20, Add	4.29	
		For >20 To 50, Add	2.36	
		For >50 To 100, Add	1.18	
		For >100 To 300, Add	0.59	

**09 64 29 00-0003 Unfinished Oak, Wood Strip Flooring (09 64 29)****09 64 29 00-0004 Unfinished White Oak, Wood Strip Flooring (09 64 29 00-0003)**

09 64 29 00-0005	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished White Oak, Wood Strip Flooring.....	11.04	1.11
		For Factory Finish, Add	0.45	
		For Random Width Floor, Add	2.43	
		For Up To 20, Add	4.59	
		For >20 To 50, Add	2.41	
		For >50 To 100, Add	1.21	
		For >100 To 300, Add	0.60	

09 64 29 00-0006	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished White Oak, Wood Strip Flooring.....	11.63	1.11
		For Factory Finish, Add	0.51	
		For Random Width Floor, Add	2.58	
		For Up To 20, Add	4.68	
		For >20 To 50, Add	2.47	
		For >50 To 100, Add	1.23	
		For >100 To 300, Add	0.62	

09 64 29 00-0007	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished White Oak, Wood Strip Flooring.....	12.51	1.11
		For Factory Finish, Add	0.60	
		For Random Width Floor, Add	2.80	
		For Up To 20, Add	4.82	
		For >20 To 50, Add	2.56	
		For >50 To 100, Add	1.28	
		For >100 To 300, Add	0.64	

09 64 29 00-0008	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished White Oak, Wood Strip Flooring.....	9.70	1.11
		For Factory Finish, Add	0.47	
		For Random Width Floor, Add	2.18	
		For Up To 20, Add	3.70	
		For >20 To 50, Add	1.97	
		For >50 To 100, Add	0.98	
		For >100 To 300, Add	0.49	

09 64 29 00-0009	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished White Oak, Wood Strip Flooring.....	10.17	1.11
		For Factory Finish, Add	0.52	
		For Random Width Floor, Add	2.29	
		For Up To 20, Add	3.77	
		For >20 To 50, Add	2.02	
		For >50 To 100, Add	1.01	
		For >100 To 300, Add	0.50	

09 64 29 00-0010	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished White Oak, Wood Strip Flooring.....	11.07	1.11
		For Factory Finish, Add	0.61	
		For Random Width Floor, Add	2.52	
		For Up To 20, Add	3.91	
		For >20 To 50, Add	2.11	
		For >50 To 100, Add	1.05	
		For >100 To 300, Add	0.53	

**09 64 29 00-0011 Unfinished Red Oak, Wood Strip Flooring (09 64 29 00-0003)**

09 64 29 00-0012	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished Red Oak, Wood Strip Flooring.....	11.14	1.11
		For Factory Finish, Add	0.46	
		For Random Width Floor, Add	2.46	
		For Up To 20, Add	4.61	
		For >20 To 50, Add	2.42	
		For >50 To 100, Add	1.21	
		For >100 To 300, Add	0.61	

09 64 29 00-0013	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished Red Oak, Wood Strip Flooring.....	11.73	1.11
		For Factory Finish, Add	0.52	
		For Random Width Floor, Add	2.61	
		For Up To 20, Add	4.70	
		For >20 To 50, Add	2.48	
		For >50 To 100, Add	1.24	
		For >100 To 300, Add	0.62	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 29 00-0014	SF		2-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished Red Oak, Wood Strip Flooring .....	12.61	1.11
			<i>For Factory Finish, Add</i>	0.61	
			<i>For Random Width Floor, Add</i>	2.83	
			<i>For Up To 20, Add</i>	4.83	
			<i>For &gt;20 To 50, Add</i>	2.57	
			<i>For &gt;50 To 100, Add</i>	1.28	
			<i>For &gt;100 To 300, Add</i>	0.64	
09 64 29 00-0015	SF		3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished Red Oak, Wood Strip Flooring.....	9.79	1.11
			<i>For Factory Finish, Add</i>	0.48	
			<i>For Random Width Floor, Add</i>	2.20	
			<i>For Up To 20, Add</i>	3.71	
			<i>For &gt;20 To 50, Add</i>	1.98	
			<i>For &gt;50 To 100, Add</i>	0.99	
			<i>For &gt;100 To 300, Add</i>	0.49	
09 64 29 00-0016	SF		3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished Red Oak, Wood Strip Flooring.....	10.38	1.11
			<i>For Factory Finish, Add</i>	0.54	
			<i>For Random Width Floor, Add</i>	2.35	
			<i>For Up To 20, Add</i>	3.80	
			<i>For &gt;20 To 50, Add</i>	2.04	
			<i>For &gt;50 To 100, Add</i>	1.02	
			<i>For &gt;100 To 300, Add</i>	0.51	
09 64 29 00-0017	SF		3-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished Red Oak, Wood Strip Flooring .....	11.17	1.11
			<i>For Factory Finish, Add</i>	0.62	
			<i>For Random Width Floor, Add</i>	2.54	
			<i>For Up To 20, Add</i>	3.92	
			<i>For &gt;20 To 50, Add</i>	2.12	
			<i>For &gt;50 To 100, Add</i>	1.06	
			<i>For &gt;100 To 300, Add</i>	0.53	
<b>09 64 29 00-0018</b>			<b>Unfinished Maple, Wood Strip Flooring (09 64 29)</b>		
<b>09 64 29 00-0019</b>			<b>25/32" Thick, Unfinished Maple, Wood Strip Flooring (09 64 29 00-0018)</b>		
09 64 29 00-0020	SF		2-1/4" Plank Width, 25/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring .....	13.29	1.11
			<i>For Factory Finish, Add</i>	0.68	
			<i>For Random Width Floor, Add</i>	3.00	
			<i>For Up To 20, Add</i>	4.93	
			<i>For &gt;20 To 50, Add</i>	2.64	
			<i>For &gt;50 To 100, Add</i>	1.32	
			<i>For &gt;100 To 300, Add</i>	0.66	
09 64 29 00-0021	SF		2-1/4" Plank Width, 25/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring .....	12.31	1.11
			<i>For Factory Finish, Add</i>	0.58	
			<i>For Random Width Floor, Add</i>	2.75	
			<i>For Up To 20, Add</i>	4.79	
			<i>For &gt;20 To 50, Add</i>	2.54	
			<i>For &gt;50 To 100, Add</i>	1.27	
			<i>For &gt;100 To 300, Add</i>	0.63	
09 64 29 00-0022	SF		3" Plank Width, 25/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring.....	12.15	1.11
			<i>For Factory Finish, Add</i>	0.72	
			<i>For Random Width Floor, Add</i>	2.79	
			<i>For Up To 20, Add</i>	4.07	
			<i>For &gt;20 To 50, Add</i>	2.21	
			<i>For &gt;50 To 100, Add</i>	1.11	
			<i>For &gt;100 To 300, Add</i>	0.55	
09 64 29 00-0023	SF		3" Plank Width, 25/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring.....	11.17	1.11
			<i>For Factory Finish, Add</i>	0.62	
			<i>For Random Width Floor, Add</i>	2.54	
			<i>For Up To 20, Add</i>	3.92	
			<i>For &gt;20 To 50, Add</i>	2.12	
			<i>For &gt;50 To 100, Add</i>	1.06	
			<i>For &gt;100 To 300, Add</i>	0.53	
<b>09 64 29 00-0024</b>			<b>33/32" Thick, Unfinished Maple, Wood Strip Flooring (09 64 29 00-0018)</b>		
09 64 29 00-0025	SF		2-1/4" Plank Width, 33/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring .....	15.41	1.11
			<i>For Factory Finish, Add</i>	0.89	
			<i>For Random Width Floor, Add</i>	3.53	
			<i>For Up To 20, Add</i>	5.25	
			<i>For &gt;20 To 50, Add</i>	2.85	
			<i>For &gt;50 To 100, Add</i>	1.42	
			<i>For &gt;100 To 300, Add</i>	0.71	
09 64 29 00-0026	SF		2-1/4" Plank Width, 33/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring .....	14.10	1.11
			<i>For Factory Finish, Add</i>	0.76	
			<i>For Random Width Floor, Add</i>	3.20	
			<i>For Up To 20, Add</i>	5.05	
			<i>For &gt;20 To 50, Add</i>	2.72	
			<i>For &gt;50 To 100, Add</i>	1.36	
			<i>For &gt;100 To 300, Add</i>	0.68	
09 64 29 00-0027	SF		3" Plank Width, 33/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring.....	14.40	1.11
			<i>For Factory Finish, Add</i>	0.94	
			<i>For Random Width Floor, Add</i>	3.35	
			<i>For Up To 20, Add</i>	4.41	
			<i>For &gt;20 To 50, Add</i>	2.44	
			<i>For &gt;50 To 100, Add</i>	1.22	
			<i>For &gt;100 To 300, Add</i>	0.61	

**09 Finishes****09 60 Flooring****09 64 Wood Flooring**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

09 64 29 00-0028	SF	3" Plank Width, 33/32" Thick, Plain Sawed, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring.....	13.09	1.11
		<i>For Factory Finish, Add</i>	0.81	
		<i>For Random Width Floor, Add</i>	3.02	
		<i>For Up To 20, Add</i>	4.21	
		<i>For &gt;20 To 50, Add</i>	2.31	
		<i>For &gt;50 To 100, Add</i>	1.15	
		<i>For &gt;100 To 300, Add</i>	0.58	

**09 64 29 00-0029 Prefinished Engineered Wood Flooring (09 64 29)**

Note: Glued or nailed. Excludes underlayment. See CSI section 09 64 13 00-0001 for wood flooring underlayment.

09 64 29 00-0030	SF	1/2" Thick, Red Oak, Prefinished Engineered Wood Flooring.....	14.60	1.11
		<i>For Up To 20, Add</i>	4.15	
		<i>For &gt;20 To 50, Add</i>	2.33	
		<i>For &gt;50 To 100, Add</i>	1.17	
		<i>For &gt;100 To 300, Add</i>	0.58	
09 64 29 00-0031	SF	1/2" Thick, White Oak, Prefinished Engineered Wood Flooring.....	14.60	1.11
		<i>For Up To 20, Add</i>	4.15	
		<i>For &gt;20 To 50, Add</i>	2.33	
		<i>For &gt;50 To 100, Add</i>	1.17	
		<i>For &gt;100 To 300, Add</i>	0.58	
09 64 29 00-0032	SF	1/2" Thick, Select Maple, Prefinished Engineered Wood Flooring.....	14.15	1.11
		<i>For Up To 20, Add</i>	4.08	
		<i>For &gt;20 To 50, Add</i>	2.29	
		<i>For &gt;50 To 100, Add</i>	1.14	
		<i>For &gt;100 To 300, Add</i>	0.57	
09 64 29 00-0033	SF	1/2" Thick, Natural Hickory, Prefinished Engineered Wood Flooring.....	14.49	1.11
		<i>For Up To 20, Add</i>	4.13	
		<i>For &gt;20 To 50, Add</i>	2.32	
		<i>For &gt;50 To 100, Add</i>	1.16	
		<i>For &gt;100 To 300, Add</i>	0.58	

**09 64 66 Wood Athletic Flooring (09 64)**

Note: On shims, sleepers and/or screeds. 1-1/2" or 2-1/4" widths. Excludes finish.

**09 64 66 00-0001 Wood Gym/Stage/Dance Floors (09 64 66)**

Note: Includes sanding and vent cove base. Excludes concrete repairs to subbase, thresholds, and finishing.

09 64 66 00-0002	SF	25/32" Maple Wood Gym/Stage/Dance Floor.....	15.38	5.55
		<i>For Oak Or Birch, Deduct</i>	-0.20	
		<i>For Pine, Deduct</i>	-0.30	
		<i>For #1 Grade Material, Add</i>	0.50	
09 64 66 00-0003	SF	Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, Two Layers Of Plywood Panel Subfloor With Resilient Pads (Connor DuraCushion).....	20.51	7.22
		Note: Includes 6 mil polyethylene vapor barrier, two layers of 15/32" plywood subfloor and 3/8" resilient pads.		
		<i>For Oak Or Birch, Deduct</i>	-0.20	
		<i>For Pine, Deduct</i>	-0.30	
		<i>For #1 Grade Material, Add</i>	0.50	
09 64 66 00-0004	SF	Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, Two Layers Of Plywood Panel Subfloor With Two Stage Resilient Pads (Connor NeoShok).....	21.69	7.22
		Note: Includes 6 mil polyethylene vapor barrier, two layers of 15/32" plywood subfloor and 3/4" hemispherical two stage polyurethane resilient pads.		
		<i>For Oak Or Birch, Deduct</i>	-0.20	
		<i>For Pine, Deduct</i>	-0.30	
		<i>For #1 Grade Material, Add</i>	0.50	
09 64 66 00-0005	SF	Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, One Layer Of Plywood Subfloor With Continuous Steel Channel Encased Sleepers And Resilient Pads (Connor PermaFlex).....	24.20	7.22
		Note: Includes 6 mil polyethylene vapor barrier, one layer of 15/32" plywood subfloor, a continuous steel channel encasing a 23/32" fixed sleeper, a 7/16" resilient pad and a 23/32" flex sleeper.		
		<i>For Oak Or Birch, Deduct</i>	-0.20	
		<i>For Pine, Deduct</i>	-0.30	
		<i>For #1 Grade Material, Add</i>	0.50	
09 64 66 00-0006	SF	Fixed Resilient 25/32" Maple Wood Gym/Stage/Dance Floor System, One Layer Of Plywood Panel Subfloor With Resilient Pads (Connor Focus).....	23.05	7.22
		Note: Includes 6 mil polyethylene vapor barrier, one layer of 3/4" subfloor, 9/16" resilient pads and concrete anchors and clips.		
		<i>For Oak Or Birch, Deduct</i>	-0.20	
		<i>For Pine, Deduct</i>	-0.30	
		<i>For #1 Grade Material, Add</i>	0.50	
09 64 66 00-0007	SF	Clip And Channel, Fixed 33/32" Maple Wood Gym/Stage/Dance Floor System (Connor PermaLock).....	26.08	7.22
		Note: Includes 6 mil polyethylene vapor barrier, one layer of 1/2" impregnated fiberboard with channel grooves for 16 gauge steel anchor channel.		
		<i>For Oak Or Birch, Deduct</i>	-0.20	
		<i>For Pine, Deduct</i>	-0.30	
		<i>For #1 Grade Material, Add</i>	0.50	

**09 65 Resilient Flooring (09 60)**

See CSI section 03 54 16 00-0001 for self leveling underlayment for uneven floors.

**09 65 13 Resilient Base and Accessories (09 65)****09 65 13 13 Resilient Base (09 65 13)****09 65 13 13-0001 Type TV Thermoplastic Vinyl Wall Base (09 65 13 13)**

Note: Includes inside and outside corners.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 65 13 13-0002	LF		2-1/2" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors.....	3.90	1.44
			<i>For Up To 20, Add</i>	1.73	
			<i>For &gt;20 To 40, Add</i>	0.96	
			<i>For &gt;40 To 80, Add</i>	0.34	
			<i>For &gt;240 To 960, Deduct</i>	-0.25	
			<i>For &gt;960, Deduct</i>	-0.37	
09 65 13 13-0003	LF		4" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors.....	4.30	1.44
			<i>For Up To 20, Add</i>	1.79	
			<i>For &gt;20 To 40, Add</i>	1.00	
			<i>For &gt;40 To 80, Add</i>	0.36	
			<i>For &gt;240 To 960, Deduct</i>	-0.29	
			<i>For &gt;960, Deduct</i>	-0.43	
09 65 13 13-0004	LF		6" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors.....	5.15	1.44
			<i>For Up To 20, Add</i>	1.92	
			<i>For &gt;20 To 40, Add</i>	1.09	
			<i>For &gt;40 To 80, Add</i>	0.40	
			<i>For &gt;240 To 960, Deduct</i>	-0.37	
			<i>For &gt;960, Deduct</i>	-0.56	

**09 65 13 13-0005 Type TP Thermoplastic Rubber Wall Base (09 65 13 13)**

Note: Includes inside and outside corners.

09 65 13 13-0006	LF		2-1/2" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors.....	4.16	1.44
			<i>For Up To 20, Add</i>	1.77	
			<i>For &gt;20 To 40, Add</i>	0.99	
			<i>For &gt;40 To 80, Add</i>	0.35	
			<i>For &gt;240 To 960, Deduct</i>	-0.27	
			<i>For &gt;960, Deduct</i>	-0.41	
09 65 13 13-0007	LF		4" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors.....	4.45	1.44
			<i>For Up To 20, Add</i>	1.81	
			<i>For &gt;20 To 40, Add</i>	1.02	
			<i>For &gt;40 To 80, Add</i>	0.37	
			<i>For &gt;240 To 960, Deduct</i>	-0.30	
			<i>For &gt;960, Deduct</i>	-0.45	
09 65 13 13-0008	LF		6" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors.....	5.28	1.44
			<i>For Up To 20, Add</i>	1.94	
			<i>For &gt;20 To 40, Add</i>	1.10	
			<i>For &gt;40 To 80, Add</i>	0.41	
			<i>For &gt;240 To 960, Deduct</i>	-0.39	
			<i>For &gt;960, Deduct</i>	-0.58	
09 65 13 13-0009	LF		2-1/2" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors.....	6.43	1.44
			<i>For Up To 20, Add</i>	2.11	
			<i>For &gt;20 To 40, Add</i>	1.22	
			<i>For &gt;40 To 80, Add</i>	0.46	
			<i>For &gt;240 To 960, Deduct</i>	-0.50	
			<i>For &gt;960, Deduct</i>	-0.75	
09 65 13 13-0010	LF		3" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors.....	6.68	1.44
			<i>For Up To 20, Add</i>	2.15	
			<i>For &gt;20 To 40, Add</i>	1.24	
			<i>For &gt;40 To 80, Add</i>	0.48	
			<i>For &gt;240 To 960, Deduct</i>	-0.53	
			<i>For &gt;960, Deduct</i>	-0.79	
09 65 13 13-0011	LF		4-1/2" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors.....	7.97	1.44
			<i>For Up To 20, Add</i>	2.34	
			<i>For &gt;20 To 40, Add</i>	1.37	
			<i>For &gt;40 To 80, Add</i>	0.54	
			<i>For &gt;240 To 960, Deduct</i>	-0.65	
			<i>For &gt;960, Deduct</i>	-0.98	
09 65 13 13-0012	LF		6" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors.....	10.54	1.44
			<i>For Up To 20, Add</i>	2.73	
			<i>For &gt;20 To 40, Add</i>	1.63	
			<i>For &gt;40 To 80, Add</i>	0.67	
			<i>For &gt;240 To 960, Deduct</i>	-0.91	
			<i>For &gt;960, Deduct</i>	-1.37	

**09 65 13 13-0013 Type TS Thermoset Vulcanized Rubber Wall Base (09 65 13 13)**

Note: Includes inside and outside corners.

09 65 13 13-0014	LF		2-1/2" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors.....	4.48	1.72
			<i>For Up To 20, Add</i>	1.82	
			<i>For &gt;20 To 40, Add</i>	1.02	
			<i>For &gt;40 To 80, Add</i>	0.37	
			<i>For &gt;240 To 960, Deduct</i>	-0.31	
			<i>For &gt;960, Deduct</i>	-0.46	
09 65 13 13-0015	LF		4" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors.....	4.50	1.44
			<i>For Up To 20, Add</i>	1.82	
			<i>For &gt;20 To 40, Add</i>	1.02	
			<i>For &gt;40 To 80, Add</i>	0.37	
			<i>For &gt;240 To 960, Deduct</i>	-0.31	
			<i>For &gt;960, Deduct</i>	-0.46	
09 65 13 13-0016	LF		6" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors.....	6.27	1.72
			<i>For Up To 20, Add</i>	2.32	
			<i>For &gt;20 To 40, Add</i>	1.32	
			<i>For &gt;40 To 80, Add</i>	0.49	
			<i>For &gt;240 To 960, Deduct</i>	-0.46	
			<i>For &gt;960, Deduct</i>	-0.68	

**09 65 13 23 Resilient Stair Treads and Risers (09 65 13)**

Note: All treads have integral nosing. Abrasive strip modifier includes either 1 or 2 strips running the length of the tread. All colors.

**09 Finishes****09 60 Flooring****09 65 Resilient Flooring**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

09 65 13 23-0001		<b>Rubber Stair Treads and Risers</b> <small>(09 65 13 23)</small>		
09 65 13 23-0002		<b>Raised Disc Or Other Patterned Rubber Stair Tread</b> <small>(09 65 13 23-0001)</small>		
09 65 13 23-0003	LF	3/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread .....	15.44	2.29
		Note: Raised disc or other pattern.		
		For Abrasive Strip, Add	2.75	
		For Photo Luminescent Abrasive Strip, Add	3.75	
09 65 13 23-0004	LF	1/4" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread .....	16.62	2.46
		Note: Raised disc or other pattern.		
		For Abrasive Strip, Add	2.75	
		For Photo Luminescent Abrasive Strip, Add	3.75	
09 65 13 23-0005	LF	5/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread .....	19.91	2.63
		Note: Raised disc or other pattern.		
		For Abrasive Strip, Add	2.75	
		For Photo Luminescent Abrasive Strip, Add	3.75	
09 65 13 23-0006		<b>Smooth Surface Rubber Stair Tread</b> <small>(09 65 13 23-0001)</small>		
09 65 13 23-0007	LF	3/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread .....	14.66	2.29
		Note: Smooth surface.		
		For Abrasive Strip, Add	2.75	
		For Photo Luminescent Abrasive Strip, Add	3.75	
09 65 13 23-0008	LF	1/4" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread .....	15.67	2.46
		Note: Smooth surface.		
		For Abrasive Strip, Add	2.75	
		For Photo Luminescent Abrasive Strip, Add	3.75	
09 65 13 23-0009	LF	5/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread .....	18.75	2.64
		Note: Smooth surface.		
		For Abrasive Strip, Add	2.75	
		For Photo Luminescent Abrasive Strip, Add	3.75	
09 65 13 23-0010		<b>Smooth Surface Rubber Stair Riser</b> <small>(09 65 13 23-0001)</small>		
09 65 13 23-0011	LF	1/8" Thick, Smooth Surface Rubber Stair Riser .....	8.55	1.38
09 65 13 23-0012		<b>Smooth, Raised Disc or Other Patterned Rubber Landing Mats</b> <small>(09 65 13 23-0001)</small>		
09 65 13 23-0013	SF	1/8" Thick, Rubber Landing Mats .....	23.24	2.12
		Note: Smooth, raised disc or other patterned surface.		
09 65 13 23-0014	SF	3/16" Thick, Rubber Landing Mats .....	27.67	2.29
		Note: Smooth, raised disc or other patterned surface.		
09 65 13 23-0015	SF	7/32" Thick, Rubber Landing Mats .....	30.13	2.58
		Note: Smooth, raised disc or other patterned surface.		
09 65 13 23-0016		<b>Vinyl Stair Treads and Risers</b> <small>(09 65 13 23)</small>		
09 65 13 23-0017		<b>Ribbed Vinyl Stair Tread</b> <small>(09 65 13 23-0016)</small>		
09 65 13 23-0018	LF	1/8" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread .....	16.27	2.09
		For Abrasive Strip, Add	2.75	
09 65 13 23-0019	LF	3/16" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread .....	17.97	2.29
		For Abrasive Strip, Add	2.75	
09 65 13 23-0020	LF	1/4" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread .....	21.47	2.47
		For Abrasive Strip, Add	2.75	
09 65 13 23-0021		<b>Smooth Surface Vinyl Stair Riser</b> <small>(09 65 13 23-0016)</small>		
09 65 13 23-0022	LF	1/8" Thick, 7" High, Smooth Surface Vinyl Stair Riser .....	9.14	1.38
09 65 13 23-0023		<b>Rubber Stair Treads</b> <small>(09 65 13 23)</small>		
09 65 13 23-0024	LF	Stair Tread (Norament Grano) .....	31.19	2.47
09 65 13 23-0025	LF	Solid Stair Tread .....	28.26	2.47
09 65 13 23-0026	LF	Visibly Impaired (VI) Strip .....	9.66	2.47
<b>09 65 13 33</b>		<b>Resilient Accessories</b> <small>(09 65 13)</small>		
09 65 13 33-0001		<b>Flexible Self Leveling Cementitious Underlayments</b> <small>(09 65 13 33)</small>		
09 65 13 33-0002	SF	1/8" Thick, Flexible Self Leveling Cementitious Underlayment With Liquid Latex Modifiers .....	1.92	1.15
09 65 13 33-0003	SF	1/4" Thick, Flexible Self Leveling Cementitious Underlayment With Liquid Latex Modifiers .....	2.86	1.15
09 65 13 33-0004		<b>Concrete Floor Prep</b> <small>(09 65 13 33)</small>		
09 65 13 33-0005	SF	Removal Of Glue From Concrete Floor .....	1.44	
		Note: For removal of glue from VCT or carpet placement. Not to be used in conjunction with demolition tasks associated with floor tile installation.		
<b>09 65 13 36</b>		<b>Resilient Carpet Transitions</b> <small>(09 65 13)</small>		
09 65 13 36-0001		<b>Vinyl Transition Strip</b> <small>(09 65 13 36)</small>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 36-0002	LF		Vinyl Transition Strip, Brown Or Black .....	2.15	1.04
			For Up To 20, Add	0.90	
			For >20 To 40, Add	0.50	
			For >40 To 80, Add	0.18	
			For >240 To 960, Deduct	-0.14	
			For >960, Deduct	-0.21	
09 65 13 36-0003	LF		Vinyl Floor Tile Reducer Strip, Brown Or Black .....	2.00	1.04
			For Up To 20, Add	0.88	
			For >20 To 40, Add	0.49	
			For >40 To 80, Add	0.17	
			For >240 To 960, Deduct	-0.13	
			For >960, Deduct	-0.19	
09 65 13 36-0004	LF		Vinyl Floor Tile Feature Strip, Brown Or Black.....	1.82	1.04
			For Up To 20, Add	0.85	
			For >20 To 40, Add	0.47	
			For >40 To 80, Add	0.16	
			For >240 To 960, Deduct	-0.11	
			For >960, Deduct	-0.17	
09 65 13 36-0005	LF		1/4" To 1/8" Material, Narrow, Vinyl, Slim Line Transition (Johnsonite SLT-XX-A) .....	3.28	1.44
			For Up To 20, Add	1.41	
			For >20 To 40, Add	0.79	
			For >40 To 80, Add	0.28	
			For >240 To 960, Deduct	-0.21	
			For >960, Deduct	-0.32	
<b>09 65 13 36-0006 Vinyl, Wheeled Traffic Transitions (09 65 13 36)</b>					
09 65 13 36-0007	LF		1/4" To 1/8" Material x 1-3/4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-A) .....	3.91	1.44
			For Up To 20, Add	1.50	
			For >20 To 40, Add	0.85	
			For >40 To 80, Add	0.31	
			For >240 To 960, Deduct	-0.28	
			For >960, Deduct	-0.41	
09 65 13 36-0008	LF		1/4" To 1/8" Material x 1", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-C) .....	3.91	1.44
			For Up To 20, Add	1.50	
			For >20 To 40, Add	0.85	
			For >40 To 80, Add	0.31	
			For >240 To 960, Deduct	-0.28	
			For >960, Deduct	-0.41	
09 65 13 36-0009	LF		5/16" To 1/16" Or 1/8" Material x 1-5/8", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-D) .....	4.63	1.44
			For Up To 20, Add	1.61	
			For >20 To 40, Add	0.92	
			For >40 To 80, Add	0.35	
			For >240 To 960, Deduct	-0.35	
			For >960, Deduct	-0.52	
09 65 13 36-0010	LF		1/4" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-H) .....	7.18	1.44
			For Up To 20, Add	1.99	
			For >20 To 40, Add	1.18	
			For >40 To 80, Add	0.47	
			For >240 To 960, Deduct	-0.60	
			For >960, Deduct	-0.91	
09 65 13 36-0011	LF		1/4" To 1/8" Material x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-HL) .....	7.19	1.44
			For Up To 20, Add	1.99	
			For >20 To 40, Add	1.18	
			For >40 To 80, Add	0.47	
			For >240 To 960, Deduct	-0.60	
			For >960, Deduct	-0.91	
09 65 13 36-0012	LF		1/4" To 0.08" Or 2 mm Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-HT) .....	5.00	1.44
			For Up To 20, Add	1.67	
			For >20 To 40, Add	0.96	
			For >40 To 80, Add	0.36	
			For >240 To 960, Deduct	-0.39	
			For >960, Deduct	-0.58	
09 65 13 36-0013	LF		1/4" Material To Floor x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-J) .....	7.01	1.44
			For Up To 20, Add	1.97	
			For >20 To 40, Add	1.16	
			For >40 To 80, Add	0.47	
			For >240 To 960, Deduct	-0.59	
			For >960, Deduct	-0.88	
09 65 13 36-0014	LF		1/4" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-JL) .....	7.24	1.44
			For Up To 20, Add	2.00	
			For >20 To 40, Add	1.18	
			For >40 To 80, Add	0.48	
			For >240 To 960, Deduct	-0.61	
			For >960, Deduct	-0.91	
09 65 13 36-0015	LF		3/8" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-K) .....	6.21	1.44
			For Up To 20, Add	1.85	
			For >20 To 40, Add	1.08	
			For >40 To 80, Add	0.43	
			For >240 To 960, Deduct	-0.51	
			For >960, Deduct	-0.76	
09 65 13 36-0016	LF		3/8" To 1/4" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-L) .....	6.72	1.44
			For Up To 20, Add	1.92	
			For >20 To 40, Add	1.13	
			For >40 To 80, Add	0.45	
			For >240 To 960, Deduct	-0.56	
			For >960, Deduct	-0.84	

**09 Finishes****09 60 Flooring****09 65 Resilient Flooring**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

09 65 13 36-0017	LF	1/4" To 1/4" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-M) .....	7.24	1.44
		For Up To 20, Add	2.00	
		For >20 To 40, Add	1.18	
		For >40 To 80, Add	0.48	
		For >240 To 960, Deduct	-0.61	
		For >960, Deduct	-0.91	
09 65 13 36-0018	LF	1/8" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-N) .....	6.11	1.44
		For Up To 20, Add	1.83	
		For >20 To 40, Add	1.07	
		For >40 To 80, Add	0.42	
		For >240 To 960, Deduct	-0.50	
		For >960, Deduct	-0.74	
09 65 13 36-0019	LF	3/8" Material To Floor x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-P).....	5.28	1.44
		For Up To 20, Add	1.71	
		For >20 To 40, Add	0.99	
		For >40 To 80, Add	0.38	
		For >240 To 960, Deduct	-0.41	
		For >960, Deduct	-0.62	
09 65 13 36-0020	LF	3/8" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-PL).....	7.42	1.44
		For Up To 20, Add	2.03	
		For >20 To 40, Add	1.20	
		For >40 To 80, Add	0.49	
		For >240 To 960, Deduct	-0.63	
		For >960, Deduct	-0.94	
09 65 13 36-0021	LF	1/2" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Q) .....	9.35	1.44
		For Up To 20, Add	2.32	
		For >20 To 40, Add	1.39	
		For >40 To 80, Add	0.58	
		For >240 To 960, Deduct	-0.82	
		For >960, Deduct	-1.23	
09 65 13 36-0022	LF	0.08" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-X).....	5.15	1.44
		For Up To 20, Add	1.69	
		For >20 To 40, Add	0.97	
		For >40 To 80, Add	0.37	
		For >240 To 960, Deduct	-0.40	
		For >960, Deduct	-0.60	
09 65 13 36-0023	LF	0.08" To 0.08" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Y).....	5.21	1.44
		For Up To 20, Add	1.70	
		For >20 To 40, Add	0.98	
		For >40 To 80, Add	0.38	
		For >240 To 960, Deduct	-0.41	
		For >960, Deduct	-0.61	
09 65 13 36-0024	LF	0.08" To 3/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Z).....	5.82	1.44
		For Up To 20, Add	1.79	
		For >20 To 40, Add	1.04	
		For >40 To 80, Add	0.41	
		For >240 To 960, Deduct	-0.47	
		For >960, Deduct	-0.70	

**09 65 16 Resilient Sheet Flooring** (09 65)

Note: Includes mastic and cleaning floor after installation is complete.

**09 65 16 23 Vinyl Sheet Flooring** (09 65 16)**09 65 16 23-0001 Vinyl Sheet Flooring** (09 65 16 23)

Note: For flash cove application, add additional square foot of material to form cove base.

09 65 16 23-0002	SF	0.080" Overall Thickness, 0.080" Wear Layer, Homogeneous, Commercial Vinyl Sheet Flooring (Armstrong® Medintech®) .....	9.58	0.86
		For Up To 40, Add	4.19	
		For >40 To 100, Add	2.10	
		For >1,000, Deduct	-0.78	
09 65 16 23-0003	SF	0.080" Overall Thickness, 0.080" Wear Layer, Homogeneous, Commercial Vinyl Sheet Flooring (Armstrong® Medintone™ Or Medley™) .....	7.90	0.86
		For Up To 40, Add	3.86	
		For >40 To 100, Add	1.93	
		For >1,000, Deduct	-0.62	
09 65 16 23-0004	SF	0.080" Overall Thickness, 0.050" Wear Layer, Inlaid With Polyglass Backing, Commercial Vinyl Sheet Flooring (Armstrong® Connection Corlon®).....	5.30	0.86
		For Up To 40, Add	3.34	
		For >40 To 100, Add	1.67	
		For >1,000, Deduct	-0.36	
09 65 16 23-0005	SF	0.080" Overall Thickness, 0.040" Wear Layer, Inlaid With Polyglass Backing, Commercial Vinyl Sheet Flooring (Armstrong® Possibilities® Petit Point™).....	6.75	0.86
		For Up To 40, Add	3.63	
		For >40 To 100, Add	1.81	
		For >1,000, Deduct	-0.50	
09 65 16 23-0006	SF	0.080" Overall Thickness, 0.060" Wear Layer, Inlaid With Felt Backing, Commercial Vinyl Sheet Flooring (Armstrong® Medintech Tandem®).....	8.90	0.86
		For Up To 40, Add	4.06	
		For >40 To 100, Add	2.03	
		For >1,000, Deduct	-0.72	
09 65 16 23-0007	SF	0.080" Overall Thickness, 0.020" Wear Layer, Slip Retardant Surface, Commercial Vinyl Sheet Flooring (Armstrong® Safeguard®).....	12.14	0.86
		For Up To 40, Add	4.70	
		For >40 To 100, Add	2.35	
		For >1,000, Deduct	-1.04	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 65 16 23-0008			<b>Heat Welding Vinyl Sheet Flooring Seams</b> (09 65 16 23) Note: For areas requiring seamless installations and superior infection control. Includes routing or hand grooving seams, installing welding rod with heat welding gun, trimming the weld rod flush with the floor surface and applying a protective finish to seam.		
09 65 16 23-0009	LF		Heat Weld Non-Patterned Vinyl Sheet Flooring Seams.....	7.91	
09 65 16 23-0010	LF		Heat Weld Patterned Vinyl Sheet Flooring Seams .....	8.27	

09 65 16 23-0011			<b>Forming Vinyl Sheet Flooring Inside/Outside Cove Corners</b> (09 65 16 23) Note: Excludes heat welding.		
09 65 16 23-0012	EA		Forming Vinyl Sheet Flooring Inside/Outside Cove Corners.....	19.11	

09 65 16 23-0013			<b>Vinyl Sheet Flooring Accessories</b> (09 65 16 23)		
09 65 16 23-0014	LF		1/2" Radius Vinyl Cove Filler Strip .....	4.07	
09 65 16 23-0015	LF		1-1/4" Radius Vinyl Cove Filler Strip .....	3.75	
09 65 16 23-0016	LF		1-1/2" Radius Vinyl Cove Filler Strip .....	5.49	
09 65 16 23-0017	LF		1/8" Aluminum Cove Cap.....	3.12	

**09 65 16 33 Rubber Sheet Flooring** (09 65 16)

09 65 16 33-0001			<b>Rubber Tile And Sheet Flooring</b> (09 65 16 33)		
09 65 16 33-0002	SF		2mm Tile And Roll Goods; Environcare.....	9.02	1.53
09 65 16 33-0003	SF		3mm Tile And Roll Goods; Environcare.....	10.95	1.53
09 65 16 33-0004	SF		2mm Tile And Roll Goods; Sentica.....	9.02	1.53
09 65 16 33-0005	SF		3mm Tile And Roll Goods; Sentica.....	10.95	1.53

**09 65 19 Resilient Tile Flooring** (09 65)

Note: Includes mastic and cleaning floor after installation is complete. Demolition includes removal of the tile and adhesive and cleaning of the surface for a new floor.

**09 65 19 19 Vinyl Composition Tile Flooring** (09 65 19)

09 65 19 19-0001			<b>Vinyl Composition Tile (VCT)</b> (09 65 19 19) Note: The following vinyl composition tiles are certified to ASTM F 1066 Class 1 solid color tile, Class 2 through pattern tile or Class 3 surface pattern tile as listed in the task description.		
09 65 19 19-0002	SF		1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon Imperial Texture®) .....	3.38	1.72
			For 3/32" Thick, Deduct	-0.13	
			For Extra Stock, Material Only, Deduct	-2.01	
			For Up To 20, Add	1.36	
			For >20 To 40, Add	0.76	
			For >40 To 80, Add	0.28	
			For >1,000 To 3,000, Deduct	-0.08	
			For >3,000 To 6,000, Deduct	-0.21	
			For >6,000, Deduct	-0.39	
09 65 19 19-0003	SF		1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon MultiColor™).....	3.30	1.72
			For Extra Stock, Material Only, Deduct	-2.01	
			For Up To 20, Add	1.34	
			For >20 To 40, Add	0.75	
			For >40 To 80, Add	0.27	
			For >1,000 To 3,000, Deduct	-0.08	
			For >3,000 To 6,000, Deduct	-0.21	
			For >6,000, Deduct	-0.39	
09 65 19 19-0004	SF		1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon Rave®).....	3.30	1.72
			For Extra Stock, Material Only, Deduct	-2.01	
			For Up To 20, Add	1.34	
			For >20 To 40, Add	0.75	
			For >40 To 80, Add	0.27	
			For >1,000 To 3,000, Deduct	-0.08	
			For >3,000 To 6,000, Deduct	-0.21	
			For >6,000, Deduct	-0.39	
09 65 19 19-0005	SF		1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® ChromaSpin™) .....	4.40	1.72
			For Extra Stock, Material Only, Deduct	-2.01	
			For Up To 20, Add	1.51	
			For >20 To 40, Add	0.86	
			For >40 To 80, Add	0.33	
			For >1,000 To 3,000, Deduct	-0.10	
			For >3,000 To 6,000, Deduct	-0.25	
			For >6,000, Deduct	-0.45	
09 65 19 19-0006	SF		1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Excelon Companion Square®).....	4.41	1.72
			For Extra Stock, Material Only, Deduct	-2.01	
			For Up To 20, Add	1.51	
			For >20 To 40, Add	0.87	
			For >40 To 80, Add	0.33	
			For >1,000 To 3,000, Deduct	-0.10	
			For >3,000 To 6,000, Deduct	-0.25	
			For >6,000, Deduct	-0.46	
09 65 19 19-0007	SF		1/8" Thick, Class 3 Surface Pattern, Vinyl Composition Tile (VCT) (Armstrong® Arteffects®).....	4.62	1.72
			For Extra Stock, Material Only, Deduct	-2.01	
			For Up To 20, Add	1.54	
			For >20 To 40, Add	0.89	
			For >40 To 80, Add	0.34	
			For >1,000 To 3,000, Deduct	-0.10	
			For >3,000 To 6,000, Deduct	-0.26	
			For >6,000, Deduct	-0.47	

**09 Finishes****09 60 Flooring****09 65 Resilient Flooring**

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09 65 19 19-0008	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Excelon Stonetex®)	4.65	1.72
		<i>For Extra Stock, Material Only, Deduct</i>	-2.01	
		<i>For Up To 20, Add</i>	1.55	
		<i>For &gt;20 To 40, Add</i>	0.89	
		<i>For &gt;40 To 80, Add</i>	0.34	
		<i>For &gt;1,000 To 3,000, Deduct</i>	-0.10	
		<i>For &gt;3,000 To 6,000, Deduct</i>	-0.26	
		<i>For &gt;6,000, Deduct</i>	-0.47	
09 65 19 19-0009	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Raffia™)	4.78	1.72
		<i>For Extra Stock, Material Only, Deduct</i>	-2.01	
		<i>For Up To 20, Add</i>	1.57	
		<i>For &gt;20 To 40, Add</i>	0.90	
		<i>For &gt;40 To 80, Add</i>	0.35	
		<i>For &gt;1,000 To 3,000, Deduct</i>	-0.11	
		<i>For &gt;3,000 To 6,000, Deduct</i>	-0.27	
		<i>For &gt;6,000, Deduct</i>	-0.48	
09 65 19 19-0010	SF	1/8" Thick, Slip Retardant, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Safety Zone™)	5.98	1.72
		<i>For Extra Stock, Material Only, Deduct</i>	-2.01	
		<i>For Up To 20, Add</i>	1.75	
		<i>For &gt;20 To 40, Add</i>	1.02	
		<i>For &gt;40 To 80, Add</i>	0.41	
		<i>For &gt;1,000 To 3,000, Deduct</i>	-0.13	
		<i>For &gt;3,000 To 6,000, Deduct</i>	-0.31	
		<i>For &gt;6,000, Deduct</i>	-0.55	
09 65 19 19-0011	SF	1/8" Thick, Class 1 Solid Color, Vinyl Composition Tile (VCT) (Armstrong® Excelon Feature™)	6.45	1.72
		<i>For Extra Stock, Material Only, Deduct</i>	-2.01	
		<i>For Up To 20, Add</i>	1.82	
		<i>For &gt;20 To 40, Add</i>	1.07	
		<i>For &gt;40 To 80, Add</i>	0.43	
		<i>For &gt;1,000 To 3,000, Deduct</i>	-0.14	
		<i>For &gt;3,000 To 6,000, Deduct</i>	-0.33	
		<i>For &gt;6,000, Deduct</i>	-0.58	
09 65 19 19-0012	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Mannington® Colorpoint®)	7.08	1.72
		<i>For Extra Stock, Material Only, Deduct</i>	-2.01	
		<i>For Up To 20, Add</i>	1.91	
		<i>For &gt;20 To 40, Add</i>	1.13	
		<i>For &gt;40 To 80, Add</i>	0.46	
		<i>For &gt;1,000 To 3,000, Deduct</i>	-0.15	
		<i>For &gt;3,000 To 6,000, Deduct</i>	-0.36	
		<i>For &gt;6,000, Deduct</i>	-0.62	

**09 65 19 19-0013 Static Dissipative Vinyl Composition Tile (VCT)** (09 65 19 19)

Note: The following vinyl composition tiles are certified to ASTM F 1066 Class 2 through pattern tile as listed in the task description.

09 65 19 19-0014	SF	1/8" Thick, Static Dissipative, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® SDT™)	16.30	1.72
		<i>For Extra Stock, Material Only, Deduct</i>	-3.40	
		<i>For Up To 20, Add</i>	3.88	
		<i>For &gt;20 To 40, Add</i>	2.35	
		<i>For &gt;40 To 80, Add</i>	0.99	
		<i>For &gt;1,000 To 3,000, Deduct</i>	-0.34	
		<i>For &gt;3,000 To 6,000, Deduct</i>	-0.78	
		<i>For &gt;6,000, Deduct</i>	-1.30	
09 65 19 19-0015	SF	1/8" Thick, Static Dissipative, Solid Vinyl Composition Tile (VCT) (Staticworx, Ameriworx® ESD)	13.43	1.72
		<i>For Extra Stock, Material Only, Deduct</i>	-3.40	
		<i>For Up To 20, Add</i>	3.45	
		<i>For &gt;20 To 40, Add</i>	2.06	
		<i>For &gt;40 To 80, Add</i>	0.85	
		<i>For &gt;1,000 To 3,000, Deduct</i>	-0.29	
		<i>For &gt;3,000 To 6,000, Deduct</i>	-0.66	
		<i>For &gt;6,000, Deduct</i>	-1.13	

**09 65 19 23 Vinyl Tile Flooring** (09 65 19)**09 65 19 23-0001 Vinyl Tile** (09 65 19 23)

Note: Any size.

**09 65 19 23-0002 Solid Vinyl Tile (SVT)** (09 65 19 23-0001)

Note: The following solid vinyl tiles are certified to ASTM F 1700.

09 65 19 23-0003	SF	1/8" Thick, Class 1 Type A, Homogeneous, Solid Vinyl Tile (SVT) (Tarkett® Azrock® Cortina Grande)	7.42	1.72
		<i>For Up To 20, Add</i>	2.29	
		<i>For &gt;20 To 40, Add</i>	1.33	
		<i>For &gt;40 To 80, Add</i>	0.52	
		<i>For &gt;1,000 To 3,000, Deduct</i>	-0.16	
		<i>For &gt;3,000 To 6,000, Deduct</i>	-0.40	
		<i>For &gt;6,000, Deduct</i>	-0.71	
09 65 19 23-0004	SF	1/8" Thick, Class 1 Type A, Homogeneous, Solid Vinyl Tile (SVT) (Tarkett® Azrock® Karim Kolors)	7.58	1.72
		<i>For Up To 20, Add</i>	2.31	
		<i>For &gt;20 To 40, Add</i>	1.34	
		<i>For &gt;40 To 80, Add</i>	0.53	
		<i>For &gt;1,000 To 3,000, Deduct</i>	-0.17	
		<i>For &gt;3,000 To 6,000, Deduct</i>	-0.41	
		<i>For &gt;6,000, Deduct</i>	-0.72	
09 65 19 23-0005	SF	1/8" Thick, Slip Retardant, Class 1 Type B, Homogeneous, Solid Vinyl Tile (SVT) (Tarkett® Azrock® Cortina Grande SR)	7.70	1.72
		<i>For Up To 20, Add</i>	2.33	
		<i>For &gt;20 To 40, Add</i>	1.36	
		<i>For &gt;40 To 80, Add</i>	0.53	
		<i>For &gt;1,000 To 3,000, Deduct</i>	-0.17	
		<i>For &gt;3,000 To 6,000, Deduct</i>	-0.41	
		<i>For &gt;6,000, Deduct</i>	-0.73	

	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>09 65 19 23-0006</b>	<b>Luxury Vinyl Tile (LVT)</b> <small>(09 65 19 23-0001)</small>		
09 65 19 23-0007	SF 2.5mm Thick, Luxury Vinyl Tile (LVT) (Mannington Amtico) .....	11.93	1.72
	<i>For Up To 20, Add</i>	2.96	
	<i>For &gt;20 To 40, Add</i>	1.78	
	<i>For &gt;40 To 80, Add</i>	0.74	
	<i>For &gt;1,000 To 3,000, Deduct</i>	-0.25	
	<i>For &gt;3,000 To 6,000, Deduct</i>	-0.58	
	<i>For &gt;6,000, Deduct</i>	-0.98	

**09 65 19 33 Rubber Tile Flooring** (09 65 19)

<b>09 65 19 33-0001</b>	<b>Rubber Tile Flooring</b> <small>(09 65 19 33)</small>		
09 65 19 33-0002	SF 3.5mm, 39.3" Square Tile (Norament XP) .....	14.46	1.53
09 65 19 33-0003	SF 3.5mm, 39.3" Square Tile (Norament Grano) .....	13.59	1.53
09 65 19 33-0004	SF 3.5mm, 39.3" Square Tile (Norament Satura) .....	13.59	1.53

**09 65 19 33-0005 Rubber Tile** (09 65 19 33)

**09 65 19 33-0006 Rubber Tile With Raised Discs, Assorted Colors** (09 65 19 33-0005)

09 65 19 33-0007	SF 1/8" Thick Rubber Tile With Raised Discs .....	19.14	1.04
	<i>Note: Smooth, raised disc or other patterned surface.</i>		
	<i>For Up To 20, Add</i>	3.72	
	<i>For &gt;20 To 40, Add</i>	2.34	
	<i>For &gt;40 To 100, Add</i>	1.06	
09 65 19 33-0008	SF 3/16" Thick Rubber Tile With Raised Discs .....	23.17	1.15
	<i>Note: Smooth, raised disc or other patterned surface.</i>		
	<i>For Up To 20, Add</i>	4.39	
	<i>For &gt;20 To 40, Add</i>	2.78	
	<i>For &gt;40 To 100, Add</i>	1.27	
09 65 19 33-0009	SF 7/32" Thick Rubber Tile With Raised Discs .....	25.80	1.38
	<i>Note: Smooth, raised disc or other patterned surface.</i>		
	<i>For Up To 20, Add</i>	4.97	
	<i>For &gt;20 To 40, Add</i>	3.13	
	<i>For &gt;40 To 100, Add</i>	1.43	

**09 65 19 43 Polyester Composition Tile Flooring** (09 65 19)

**09 65 19 43-0001 Polyester Composition Floor Tile** (09 65 19 43)

	<i>Note: Any size.</i>		
09 65 19 43-0002	SF 1/8" Thick, Polyester Composition Floor Tile (Armstrong® BioBased Tile® Migrations®) .....	4.44	1.72
	<i>For Extra Stock, Material Only, Deduct</i>	-2.01	
	<i>For Up To 20, Add</i>	1.51	
	<i>For &gt;20 To 40, Add</i>	0.87	
	<i>For &gt;40 To 80, Add</i>	0.33	
	<i>For &gt;1,000 To 3,000, Deduct</i>	-0.10	
	<i>For &gt;3,000 To 6,000, Deduct</i>	-0.25	
	<i>For &gt;6,000, Deduct</i>	-0.46	
09 65 19 43-0003	SF 1/8" Thick, Polyester Composition Floor Tile (Armstrong® BioBased Tile® Striations®) .....	4.94	1.72
	<i>For Extra Stock, Material Only, Deduct</i>	-2.01	
	<i>For Up To 20, Add</i>	1.59	
	<i>For &gt;20 To 40, Add</i>	0.92	
	<i>For &gt;40 To 80, Add</i>	0.35	
	<i>For &gt;1,000 To 3,000, Deduct</i>	-0.11	
	<i>For &gt;3,000 To 6,000, Deduct</i>	-0.27	
	<i>For &gt;6,000, Deduct</i>	-0.49	

**09 65 23 Resilient Plank Flooring** (09 65)

*Note: Includes mastic and cleaning floor after installation is complete.*

**09 65 23 00-0001 Vinyl Plank Flooring** (09 65 23)

09 65 23 00-0002	SF 0.110" Overall Thickness, 0.012" Wear Layer, Vinyl Plank Flooring (Armstrong® Luxe Plank™) .....	7.30	0.86
	<i>For Up To 40, Add</i>	3.74	
	<i>For &gt;40 To 100, Add</i>	1.87	
	<i>For &gt;1,000, Deduct</i>	-0.56	
09 65 23 00-0003	SF 0.135" Overall Thickness, 0.020" Wear Layer, Vinyl Plank Flooring (Armstrong® Luxe Plank™) .....	9.08	0.86
	<i>For Up To 40, Add</i>	4.09	
	<i>For &gt;40 To 100, Add</i>	2.05	
	<i>For &gt;1,000, Deduct</i>	-0.73	
09 65 23 00-0004	SF 0.16" Overall Thickness, 0.020" Wear Layer, Vinyl Plank Flooring (Armstrong® Luxe Plank™) .....	10.19	0.86
	<i>For Up To 40, Add</i>	4.31	
	<i>For &gt;40 To 100, Add</i>	2.16	
	<i>For &gt;1,000, Deduct</i>	-0.84	

**09 65 43 Linoleum Flooring** (09 65)

*Note: Includes mastic and cleaning floor after installation is complete.*

**09 65 43 00-0001 Linoleum Flooring** (09 65 43)

09 65 43 00-0002	SF Linoleum Tile (Forbo Marmoleum Composition Tile, Armstrong) .....	6.65	1.72
	<i>For Up To 20, Add</i>	2.17	
	<i>For &gt;20 To 40, Add</i>	1.25	
	<i>For &gt;40 To 100, Add</i>	0.48	
09 65 43 00-0003	SF Up To 76 SY 2.5mm, Linoleum Sheet (Forbo Marmoleum Real) .....	9.10	0.86
09 65 43 00-0004	SF > 76 SY 2.5mm, Linoleum Sheet (Forbo Marmoleum Real) .....	8.37	0.86

**09 Finishes****09 60 Flooring****09 65 Resilient Flooring**
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09 65 43 00-0005	SF	Up To 76 SY 2.5mm, Linoleum Sheet (Forbo Marmoleum Striato).....	9.44	0.86
09 65 43 00-0006	SF	> 76 SY 2.5mm, Linoleum Sheet (Forbo Marmoleum Striato) .....	8.78	0.86
09 65 43 00-0007	SF	Up To 76 SY 2.5mm, Linoleum Sheet (Armstrong Marmorette) .....	9.44	0.86
09 65 43 00-0008	SF	> 76 SY 2.5mm, Linoleum Sheet (Armstrong Marmorette) .....	8.50	0.86
09 65 43 00-0009	SF	Up To 76 SY 2.5mm, Linoleum Sheet (Uni Walton).....	11.60	0.86
09 65 43 00-0010	SF	> 76 SY 2.5mm, Linoleum Sheet (Uni Walton) .....	10.67	0.86
09 65 43 00-0011	LF	Heat Weld Linoleum Sheet Flooring Seams .....	7.92	
Note: For areas requiring seamless installations and superior infection control. Includes routing or hand grooving seams, installing welding rod with heat welding gun, trimming the weld rod flush with the floor surface and applying a protective finish to seam.				

**09 65 66 Resilient Athletic Flooring (09 65)****09 65 66 00-0001 Recycled Rubber, Interlocking Athletic Tiles (09 65 66)**

09 65 66 00-0002	SF	3/8" Height, Recycled Rubber, Interlocking Athletic Tile .....	6.56	0.80
<i>For Colors, Add</i>			1.08	
09 65 66 00-0003	SF	1/2" Height, Recycled Rubber, Interlocking Athletic Tile .....	7.66	1.01
<i>For Colors, Add</i>			1.24	
09 65 66 00-0004	SF	3/4" Height, Recycled Rubber, Interlocking Athletic Tile .....	9.06	1.61
<i>For Colors, Add</i>			1.35	
09 65 66 00-0005	SF	1" Height, Recycled Rubber, Interlocking Athletic Tile .....	13.00	1.95
<i>For Colors, Add</i>			2.05	

**09 65 66 00-0006 Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tiles (09 65 66)**

09 65 66 00-0007	SF	3/8" Height, Black Hammered Surface, Closed Cell, 100 Percent Virgin Rubber, Hidden Interlocking Athletic Tile (Pawling HL-155).....	33.59	0.80
<i>For Colors, Add</i>			4.06	
09 65 66 00-0008	SF	9/16" Height, Black Raised Squares Surface, Closed Cell, 100 Percent Virgin Rubber, Hidden Interlocking Athletic Tile (Pawling HL-100) .....	48.47	0.80
<i>For Colors, Add</i>			5.92	
09 65 66 00-0009	SF	3/8" Height, Black Raised Discs Surface, Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tile (Pawling PL-100) .....	35.46	0.80
<i>For Colors, Add</i>			4.29	
09 65 66 00-0010	SF	9/16" Height, Black Raised Nubs Surface, Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tile (Pawling PL-200) .....	43.57	0.80
<i>For Colors, Add</i>			5.30	
09 65 66 00-0011	SF	7/16" Height, Black Reversible Hammered Surface, Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tile (Pawling FL-150).....	36.46	0.80
<i>For Colors, Add</i>			4.41	

**09 65 66 00-0012 Sheet Goods For Gym (09 65 66)**

09 65 66 00-0013	SF	1/4" Polyvinyl Chloride (PVC) Cushioned Synthetic Gym Floor .....	17.23	3.44
09 65 66 00-0014	SF	9/32" Polyvinyl Chloride (PVC) Cushioned Synthetic Gym Floor .....	18.22	3.55
09 65 66 00-0015	SF	3/8" Polyvinyl Chloride (PVC) Cushioned Synthetic Gym Floor .....	19.07	3.67
09 65 66 00-0016	SF	1/8" Rubber Sheet Good For Gym Floor Base.....	5.43	2.80
09 65 66 00-0017	SF	3/16" Rubber Sheet Good For Gym Floor Base.....	6.13	3.21
09 65 66 00-0018	SF	1/4" Rubber Sheet Good For Gym Floor Base.....	6.98	3.44
09 65 66 00-0019	SF	3/8" Rubber Sheet Good For Gym Floor Base.....	7.64	3.67
09 65 66 00-0020	SF	1/2" Rubber Sheet Good For Gym Floor Base.....	8.07	3.90

**09 65 66 00-0021 Polyurethane Floor Systems (09 65 66)**

See CSI section 09 93 23 53-0015 for game lines.

09 65 66 00-0022	SF	9 mm Thick Base Coat, 2 mm Thick Top Coat, Polyurethane Floor System With Polyurethane/Rubber Granulate Base (Robbins Pulastic) .....	21.96	2.29
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**09 66 Terrazzo Flooring (09 60)****09 66 13 Portland Cement Terrazzo Flooring (09 66)**

Note: Excludes divider strips. See CSI section 09 66 33 00-0000 for conductive terrazzo.

**09 66 13 13 Sand Cushion Terrazzo Flooring (09 66 13)****09 66 13 13-0001 Floors Not Bonded To Concrete (09 66 13 13)**

Note: 3" Thick - 5/8" topping and 1/4" sand cushion.

09 66 13 13-0002	SF	Terrazzo Floor, Not Bonded, Gray Cement 3" Thick With 5/8" Topping, 1/4" Sand Cushion .....	32.52	2.86
<i>For Venetian Type Terrazzo, Add</i>			8.63	
<i>For Abrasive Heavy Duty Terrazzo, Add</i>			8.63	
<i>For Colors, Add</i>			4.32	
<i>For Up To 100, Add</i>			7.83	
<i>For &gt;100 To 250, Add</i>			3.92	
09 66 13 13-0003	SF	Terrazzo Floor, Not Bonded, White Cement 3" Thick With 5/8" Topping, 1/4" Sand Cushion .....	32.69	2.86
<i>For Venetian Type Terrazzo, Add</i>			8.72	
<i>For Abrasive Heavy Duty Terrazzo, Add</i>			8.72	
<i>For Colors, Add</i>			4.36	
<i>For Up To 100, Add</i>			7.85	
<i>For &gt;100 To 250, Add</i>			3.92	

**09 66 13 16 Monolithic Terrazzo Flooring (09 66 13)****09 66 13 16-0001 Monolithic Terrazzo (09 66 13 16)**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 66 13 16-0002	SF	Monolithic Terrazzo, 3-1/2" Base 5/8" Topping, 4' To 5' Square Panels Topping .....	18.11	2.86
		Note: Including Mesh And Felt		
		For Venetian Type Terrazzo, Add	6.29	
		For Abrasive Heavy Duty Terrazzo, Add	6.29	
		For Colors, Add	3.14	
		For Up To 100, Add	3.47	
		For >100 To 250, Add	1.74	

**09 66 13 19 Bonded Terrazzo Flooring** (09 66 13)

**09 66 13 19-0001 Floors Bonded To Concrete** (09 66 13 19)  
 Note: 1-3/4" Thick - 5/8" topping.

09 66 13 19-0002	SF	Terrazzo Floor, Bonded To Concrete, Gray Cement 1-3/4" Thick With 5/8" Topping .....	25.97	2.86
		For Venetian Type Terrazzo, Add	7.13	
		For Abrasive Heavy Duty Terrazzo, Add	7.13	
		For Colors, Add	3.56	
		For Up To 100, Add	6.11	
		For >100 To 250, Add	3.06	
09 66 13 19-0003	SF	Terrazzo Floor, Bonded To Concrete, White Cement 1-3/4" Thick With 5/8" Topping.....	26.13	2.86
		For Venetian Type Terrazzo, Add	7.21	
		For Abrasive Heavy Duty Terrazzo, Add	7.21	
		For Colors, Add	3.60	
		For Up To 100, Add	6.13	
		For >100 To 250, Add	3.06	

**09 66 13 19-0004 Terrazzo Wainscot** (09 66 13 19)

09 66 13 19-0005	SF	1-1/2" Thick Terrazzo Wainscot, Cast In Place, Bonded To Concrete Or Masonry .....	34.62	3.81
		For Venetian Type Terrazzo, Add	4.61	

**09 66 13 19-0006 Terrazzo Base** (09 66 13 19)

09 66 13 19-0007	SF	6" Cove Type Terrazzo Base, Cast In Place, Bonded To Concrete Or Masonry .....	36.97	3.03
		For Venetian Type Terrazzo, Add	10.06	

**09 66 13 19-0008 Terrazzo Curb** (09 66 13 19)

09 66 13 19-0009	LF	6" x 6" Terrazzo Curb, Cast In Place, Polished Top And 2 Faces .....	94.22	20.22
		For Venetian Type Terrazzo, Add	13.41	

**09 66 13 19-0010 Stairs Cast In Place** (09 66 13 19)  
 Note: Topping applied to concrete or metal.

09 66 13 19-0011	LF	1-1/2" Thick x 12" Wide, Terrazzo Stair, Cast In Place, Bonded To Concrete Or Metal .....	35.24	5.71
		For Each SF Of Abrasive Surface Finish, Add	0.35	
		For Each LF Of Embedded Abrasive Strips, Add	0.56	
		For Each LF Of Abrasive Metal Nosing, Add	3.90	
		For Each SF Of Landings, Add	1.50	
09 66 13 19-0012	LF	Terrazzo Stair Tread And Riser, Cast In Place, Bonded To Concrete Or Metal .....	87.76	19.04
		For Each SF Of Abrasive Surface Finish, Add	0.35	
		For Each LF Of Embedded Abrasive Strips, Add	0.56	
		For Each LF Of Abrasive Metal Nosing, Add	3.90	
		For Each SF Of Landings, Add	1.50	
09 66 13 19-0013	SF	Terrazzo Stair Stringer And Fascia, Cast In Place, Bonded To Concrete Or Metal .....	35.75	5.71
		For Each SF Of Abrasive Surface Finish, Add	0.35	
		For Each LF Of Embedded Abrasive Strips, Add	0.56	
		For Each LF Of Abrasive Metal Nosing, Add	3.90	
		For Each SF Of Landings, Add	1.50	

**09 66 13 19-0014 Divider Strips** (09 66 13 19)

09 66 13 19-0015	LF	1-1/4" Deep, 14 Gauge, Zinc Plated Steel, Divider Strip.....	5.35	0.96
09 66 13 19-0016	LF	1-1/4" Deep, 14 Gauge, Brass, Divider Strip .....	5.54	0.96
09 66 13 19-0017	LF	1-1/4" Deep, 1/4" Thick, Zinc Plated Steel, Heavy Top Strip .....	8.28	0.96
09 66 13 19-0018	LF	1-1/4" Deep, 1/4" Thick, Galvanized Steel Bottom, Brass, Heavy Top Strip.....	12.22	0.96
09 66 13 19-0019	LF	1/2" x 1/2", 16 Gauge, Zinc Plated Steel, Divider Strip For Thin Set Floors.....	5.14	0.96
09 66 13 19-0020	LF	1/2" x 1/2", 16 Gauge, Brass, Divider Strip For Thin Set Floors.....	7.62	0.96
09 66 13 19-0021	LF	Vinyl Plastic, Divider Strip For Floor .....	4.39	0.96

**09 66 16 Terrazzo Floor Tile** (09 66)

**09 66 16 13 Portland Cement Terrazzo Floor Tile** (09 66 16)

**09 66 16 13-0001 Flooring Tiles** (09 66 16 13)  
 Note: Gray cement setting bed 3/16" polyester matrix or 1/2" cement matrix 12" x 12".

**09 66 16 13-0002 Terrazzo Tiles With Non Slip Surface** (09 66 16 13-0001)

09 66 16 13-0003	SF	9" x 9" x 1" Non Slip Precast Terrazzo, Thin Set Floor Tile .....	31.57	3.06
		For White Cement, Add	0.36	
		For Venetian Type Terrazzo, Add	2.00	
09 66 16 13-0004	SF	12" x 12" x 1" Non Slip Precast Terrazzo, Thin Set Floor Tile.....	32.10	3.06
		For White Cement, Add	0.36	
		For Venetian Type Terrazzo, Add	2.00	
09 66 16 13-0005	SF	12" x 12" x 1-1/2" Non Slip Precast Terrazzo, Thin Set Floor Tile .....	37.04	3.06
		For White Cement, Add	0.36	
		For Venetian Type Terrazzo, Add	2.00	

**09 Finishes****09 60 Flooring****09 66 Terrazzo Flooring**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 66 16 13-0006	SF		18" x 18" x 1-1/2" Non Slip Precast Terrazzo, Thin Set Floor Tile ..... <i>For White Cement, Add</i> <i>For Venetian Type Terrazzo, Add</i>	39.39 0.36 2.00	3.06
09 66 16 13-0007	SF		24" x 24" x 1-1/2" Non Slip Precast Terrazzo, Thin Set Floor Tile ..... <i>For White Cement, Add</i> <i>For Venetian Type Terrazzo, Add</i>	40.93 0.36 2.00	3.06
<b>09 66 16 13-0008</b>			<b>Terrazzo Tile Thin Set</b> (09 66 16 13-0001)		
09 66 16 13-0009	SF		Precast Terrazzo, 1/4"-1/2" Chips Floor Tiles, Thin Set Gray Cement Bed ..... <i>For White Cement, Add</i> <i>For Venetian Type Terrazzo, Add</i>	31.15 0.36 2.00	3.06
09 66 16 13-0010	SF		Precast Terrazzo, 3/8"-1" Chips Floor Tiles, Thin Set Gray Cement Bed ..... <i>For White Cement, Add</i> <i>For Venetian Type Terrazzo, Add</i>	33.12 0.36 2.00	3.06
<b>09 66 16 13-0011</b>			<b>Thin Set Terrazzo Wainscot</b> (09 66 16 13-0001)		
09 66 16 13-0012	SF		12" x 12" x 1" Terrazzo Tile Wainscot Thin Set..... <i>For Each LF Of White Cement, Add</i> <i>For Each LF Of Zinc Toe Strip, Add</i>	47.12 0.50 1.00	6.06
09 66 16 13-0013	SF		18" x 18" x 1-1/2" Terrazzo Tile Wainscot Thin Set..... <i>For Each LF Of White Cement, Add</i> <i>For Each LF Of Zinc Toe Strip, Add</i>	53.75 0.50 1.00	6.06
<b>09 66 16 13-0014</b>			<b>Thin Set Terrazzo Base, Gray Cement</b> (09 66 16 13-0001)		
09 66 16 13-0015	LF		6" High, Straight Terrazzo Base Thin Set, Gray Cement ..... <i>For Each LF Of White Cement, Add</i> <i>For Each LF Of Zinc Toe Strip, Add</i>	15.71 0.50 1.00	3.03
09 66 16 13-0016	LF		6" High, Cove Terrazzo Base Thin Set, Gray Cement ..... <i>For Each LF Of White Cement, Add</i> <i>For Each LF Of Zinc Toe Strip, Add</i>	17.54 0.50 1.00	3.03
09 66 16 13-0017	LF		8" High, Straight Terrazzo Base Thin Set, Gray Cement ..... <i>For Each LF Of White Cement, Add</i> <i>For Each LF Of Zinc Toe Strip, Add</i>	18.32 0.50 1.00	3.03
09 66 16 13-0018	LF		8" High, Cove Terrazzo Base Thin Set, Gray Cement ..... <i>For Each LF Of White Cement, Add</i> <i>For Each LF Of Zinc Toe Strip, Add</i>	19.23 0.50 1.00	3.03
<b>09 66 16 13-0019</b>			<b>Terrazzo Curbs</b> (09 66 16 13-0001)		
09 66 16 13-0020	LF		8" x 8" Curb, Terrazzo Tile..... <i>For Each LF Of White Cement, Add</i> <i>For Each LF Of Zinc Toe Strip, Add</i>	31.64 0.50 1.00	4.05
09 66 16 13-0021	LF		6" x 6" Curb, Terrazzo Tile..... <i>For Each LF Of White Cement, Add</i> <i>For Each LF Of Zinc Toe Strip, Add</i>	30.72 0.50 1.00	4.05
<b>09 66 16 13-0022</b>			<b>Precast Terrazzo Stair Treads 12" Wide</b> (09 66 16 13-0001)		
09 66 16 13-0023	LF		1-1/2" Precast Terrazzo Stair Tread 12" Wide x 1-1/2" Thick, Diamond Pattern.....	75.95	4.05
09 66 16 13-0024	LF		1-1/2" Precast Terrazzo Stair Tread 12" Wide x 1-1/2" Thick, Non Slip Surface.....	65.01	4.05
09 66 16 13-0025	LF		2" Precast Terrazzo Straight Stair Tread.....	57.72	4.05
09 66 16 13-0026	LF		2" Precast Terrazzo Curved Stair Tread.....	67.57	4.05
<b>09 66 16 13-0027</b>			<b>Stair Risers, 1" Thick To 6" High, Straight</b> (09 66 16 13-0001)		
09 66 16 13-0028	LF		1"-6" High Precast Terrazzo Stair Riser Straight Section, Thin Set.....	34.52	3.03
09 66 16 13-0029	LF		1"-6" High Precast Terrazzo Stair Riser Straight Cove Section, Thin Set.....	39.98	3.03
<b>09 66 16 13-0030</b>			<b>Stair Risers, 1" Thick To 6" High, Curved</b> (09 66 16 13-0001)		
09 66 16 13-0031	LF		1" To 6" High Precast Terrazzo Stair Riser Curved Vertical Section, Thin Set.....	50.71	3.03
09 66 16 13-0032	LF		1" To 6" High Precast Terrazzo Stair Riser Curved Cove Section, Thin Set.....	54.36	3.03
<b>09 66 16 13-0033</b>			<b>Tread And Riser</b> (09 66 16 13)		
<b>09 66 16 13-0034</b>			<b>Stair Stringers, Notched For Treads And Risers</b> (09 66 16 13-0033)		
09 66 16 13-0035	LF		1" Precast Terrazzo Stair Stringers Notched For Treads And Risers.....	85.04	8.09
09 66 16 13-0036	LF		2" Precast Terrazzo Stair Stringers Notched For Treads And Risers.....	102.61	8.09
<b>09 66 16 13-0037</b>			<b>Structural Non-Slip Landings</b> (09 66 16 13-0033)		
09 66 16 13-0038	SF		1-1/2" Thick Precast Terrazzo Stair Landing Structural, Non Slip.....	61.18	4.05
09 66 16 13-0039	SF		3" Thick Precast Terrazzo Stair Landing Structural, Non Slip.....	75.24	4.05
<b>09 66 16 13-0040</b>			<b>Combined Tread And Riser</b> (09 66 16 13-0033)		
<b>09 66 16 13-0041</b>			<b>Straight Sections</b> (09 66 16 13-0040)		
09 66 16 13-0042	LF		Precast Terrazzo Stair Tread And Riser 1-1/2" Tread, 3/4" Riser, Straight Section.....	133.19	8.09
09 66 16 13-0043	LF		Precast Terrazzo Stair Tread And Riser 3" Tread, 1" Riser, Straight Section.....	158.72	8.09



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>09 66 16 13-0044</b>		<b>Curved Sections</b> <small>(09 66 16 13-0040)</small>			
09 66 16 13-0045	LF	Precast Terrazzo Stair Tread And Riser 2" Tread, 1" Riser, Curved Section.....	166.77		8.09
09 66 16 13-0046	LF	Precast Terrazzo Stair Tread And Riser 3" Tread, 1" Riser, Curved Section.....	210.53		8.09

**09 66 23 Resinous Matrix Terrazzo Flooring** (09 66)

**09 66 23 16 Epoxy-Resin Terrazzo Flooring** (09 66 23)

**09 66 23 16-0001 Epoxy Terrazzo** (09 66 23 16)

09 66 23 16-0002	SF	Chemical Resistant Epoxy Terrazzo, 1/4" Thick .....	24.81		2.86
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**09 66 33 Conductive Terrazzo Flooring** (09 66)

Note: For anti-static areas.

**09 66 33 13 Conductive Epoxy-Resin Terrazzo** (09 66 33)

09 66 33 13-0001	SF	Terrazzo, Epoxy System, Floor Sparkproof, Conductive, Industrial.....	26.36		5.06
09 66 33 13-0002	SF	Terrazzo, Epoxy System, Base Sparkproof, Conductive, Industrial.....	47.91		5.06

**09 66 33 16 Conductive Polyester-Resin Terrazzo Flooring** (09 66 33)

09 66 33 16-0001	SF	Terrazzo, Polyester System, Floor Sparkproof, Conductive, Industrial.....	20.16		5.06
09 66 33 16-0002	SF	Terrazzo, Polyester System, Base Sparkproof, Conductive, Industrial.....	34.56		5.06

**09 66 33 19 Conductive Plastic-Matrix Terrazzo Flooring** (09 66 33)

09 66 33 19-0001	SF	Terrazzo, Polyacrylate System, Floor Sparkproof, Conductive, Industrial .....	22.53		5.06
09 66 33 19-0002	SF	Terrazzo, Polyacrylate System, Base Sparkproof, Conductive, Industrial .....	43.17		5.06
09 66 33 19-0003	SF	Terrazzo, Synthetic Latex Mastic System, Floor Sparkproof, Conductive, Industrial .....	32.65		5.06
09 66 33 19-0004	SF	Terrazzo, Synthetic Latex Mastic System, Base Sparkproof, Conductive, Industrial .....	37.09		5.06

**09 67 Fluid-Applied Flooring** (09 67)

**09 67 16 Epoxy-Marble Chip Flooring** (09 67)

**09 67 16 00-0001 Epoxy Marble Chip Flooring** (09 67 16)

09 67 16 00-0002	SF	Epoxy Marble Floor With Colored Quartz Chips In 1/4" Base.....	15.61		2.86
		Note: Includes primer, 1/4" epoxy marble coat with quartz chips and top seal coat.			
		<i>For Skid Resistant Abrasive Sand Finish, Add</i>	<i>0.07</i>		
		<i>For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add</i>	<i>0.07</i>		
09 67 16 00-0003	SF	Epoxy Marble Chip Floor, Topping 3/16" Thick, Heavy Duty Epoxy .....	16.59		2.86
		Note: Includes primer, 3/16" marble chip coat and top seal coat.			
		<i>For Skid Resistant Abrasive Sand Finish, Add</i>	<i>0.08</i>		
		<i>For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add</i>	<i>0.08</i>		

**09 67 23 Resinous Flooring** (09 67)

**09 67 23 00-0001 Epoxy Resin Flooring** (09 67 23)

Note: Includes primer, slurry coat(s) and top coat(s) (assorted colors). Excludes existing floor preparation of sand/bead blasting or two pass floor grinding, degreasing and cleaning of existing floor system prior to application if applied directly to floor. Excludes floor patching, saw cutting joints, additional grinding of existing floor, leveling of floor, removal of existing floor or tiles, and applied markings or stripes. See CSI section 03 01 30 51-0001 for bead blasting, 03 35 43 00-0001 for additional floor polish grinding, 09 01 60 91-0011 for degreasing.

09 67 23 00-0002	SF	3/16" Heavy Duty (6,000 To 7,500 PSI) Epoxy Flooring Trowel Applied Mortar Compound.....	12.87		6.48
		Note: Includes primer, one 3/16" slurry coat and top seal coats (color).			
		<i>For Skid Resistant Abrasive Sand Finish, Add</i>	<i>0.05</i>		
		<i>For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add</i>	<i>0.05</i>		
		<i>For Up To 500, Add</i>	<i>2.45</i>		
		<i>For &gt;500 To 1,000, Add</i>	<i>1.55</i>		
		<i>For &gt;1,000 To 2,000, Add</i>	<i>0.77</i>		
		<i>For &gt;10,000, Deduct</i>	<i>-0.83</i>		
09 67 23 00-0003	SF	3/16" Chemical Resistant (10,000 To 12,000 PSI) Epoxy Flooring Trowel Applied Mortar Compound .....	19.19		6.48
		Note: Includes primer, one 3/16" slurry coat and top seal coats (color).			
		<i>For Skid Resistant Abrasive Sand Finish, Add</i>	<i>0.12</i>		
		<i>For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add</i>	<i>0.12</i>		
		<i>For Up To 500, Add</i>	<i>4.03</i>		
		<i>For &gt;500 To 1,000, Add</i>	<i>2.50</i>		
		<i>For &gt;1,000 To 2,000, Add</i>	<i>1.25</i>		
		<i>For &gt;10,000, Deduct</i>	<i>-1.15</i>		
09 67 23 00-0004	SF	1/4" Heavy Duty (6,000 To 7,500 PSI) Epoxy Flooring Trowel Applied Mortar Compound.....	15.34		7.24
		Note: Includes primer, two 1/8" slurry coats and top seal coats (color).			
		<i>For Skid Resistant Abrasive Sand Finish, Add</i>	<i>0.06</i>		
		<i>For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add</i>	<i>0.06</i>		
		<i>For Up To 500, Add</i>	<i>2.88</i>		
		<i>For &gt;500 To 1,000, Add</i>	<i>1.83</i>		
		<i>For &gt;1,000 To 2,000, Add</i>	<i>0.91</i>		
		<i>For &gt;10,000, Deduct</i>	<i>-1.01</i>		
09 67 23 00-0005	SF	1/4" Chemical Resistant (10,000 To 12,000 PSI) Epoxy Flooring Trowel Applied Mortar Compound .....	22.58		7.24
		Note: Includes primer, two 1/8" slurry coats and top seal coats (color).			
		<i>For Skid Resistant Abrasive Sand Finish, Add</i>	<i>0.13</i>		
		<i>For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add</i>	<i>0.13</i>		
		<i>For Up To 500, Add</i>	<i>4.69</i>		
		<i>For &gt;500 To 1,000, Add</i>	<i>2.91</i>		
		<i>For &gt;1,000 To 2,000, Add</i>	<i>1.46</i>		
		<i>For &gt;10,000, Deduct</i>	<i>-1.37</i>		

**09 Finishes****09 60 Flooring****09 67 Fluid-Applied Flooring**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

09 67 23 00-0006	SF	3/8" Heavy Duty (6,000 To 7,500 PSI) Epoxy Flooring Trowel Applied Mortar Compound.....	17.33	8.09
		Note: Includes primer, two 3/16" slurry coats and top seal coats (color).		
		For Skid Resistant Abrasive Sand Finish, Add	0.07	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.07	
		For Up To 500, Add	3.27	
		For >500 To 1,000, Add	2.07	
		For >1,000 To 2,000, Add	1.04	
		For >10,000, Deduct	-1.13	
09 67 23 00-0007	SF	3/8" Chemical Resistant (10,000 To 12,000 PSI) Epoxy Flooring Trowel Applied Mortar Compound .....	25.01	8.09
		Note: Includes primer, two 3/16" slurry coats and top seal coats (color).		
		For Skid Resistant Abrasive Sand Finish, Add	0.14	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.14	
		For Up To 500, Add	5.19	
		For >500 To 1,000, Add	3.22	
		For >1,000 To 2,000, Add	1.61	
		For >10,000, Deduct	-1.52	

**09 68 Carpeting** (09 60)

Note: No VOC carpet and adhesives. Includes tack strips, glue and floor fastenings as required and vacuuming.

**09 68 13 Tile Carpeting** (09 68)**09 68 13 00-0001 Tufted Carpet Tile With Fiberglass Reinforced Backing** (09 68 13)

Note: Includes glue (Lees ICT Backing System)

**09 68 13 00-0002 Non-Patterned Carpet Tiles** (09 68 13 00-0001)

09 68 13 00-0003	SY	18 Ounce, Non Patterned, Nylon Carpet Tile.....	40.05	6.90
		For >200 To 400, Deduct	-0.46	
		For >400 To 600, Deduct	-0.69	
		For >600 To 900, Deduct	-1.41	
		For >900 To 1,500, Deduct	-2.13	
		For >1,500 To 2,200, Deduct	-3.16	
		For >2,200 To 3,500, Deduct	-4.16	
		For >3,500, Deduct	-5.16	
		For Cushion Backed Tile, Add	6.00	
09 68 13 00-0004	SY	20 Ounce, Non Patterned, Nylon Carpet Tile.....	41.45	6.90
		For >200 To 400, Deduct	-0.49	
		For >400 To 600, Deduct	-0.74	
		For >600 To 900, Deduct	-1.48	
		For >900 To 1,500, Deduct	-2.23	
		For >1,500 To 2,200, Deduct	-3.30	
		For >2,200 To 3,500, Deduct	-4.34	
		For >3,500, Deduct	-5.37	
		For Cushion Backed Tile, Add	6.00	
09 68 13 00-0005	SY	22 Ounce, Non Patterned, Nylon Carpet Tile.....	45.91	6.90
		For >200 To 400, Deduct	-0.58	
		For >400 To 600, Deduct	-0.87	
		For >600 To 900, Deduct	-1.70	
		For >900 To 1,500, Deduct	-2.54	
		For >1,500 To 2,200, Deduct	-3.75	
		For >2,200 To 3,500, Deduct	-4.89	
		For >3,500, Deduct	-6.04	
		For Cushion Backed Tile, Add	6.00	
09 68 13 00-0006	SY	24 Ounce, Non Patterned, Nylon Carpet Tile.....	50.25	6.90
		For >200 To 400, Deduct	-0.67	
		For >400 To 600, Deduct	-1.00	
		For >600 To 900, Deduct	-1.92	
		For >900 To 1,500, Deduct	-2.84	
		For >1,500 To 2,200, Deduct	-4.18	
		For >2,200 To 3,500, Deduct	-5.44	
		For >3,500, Deduct	-6.69	
		For Cushion Backed Tile, Add	6.00	
09 68 13 00-0007	SY	26 Ounce, Non Patterned, Nylon Carpet Tile.....	52.79	6.90
		For >200 To 400, Deduct	-0.72	
		For >400 To 600, Deduct	-1.08	
		For >600 To 900, Deduct	-2.05	
		For >900 To 1,500, Deduct	-3.02	
		For >1,500 To 2,200, Deduct	-4.43	
		For >2,200 To 3,500, Deduct	-5.75	
		For >3,500, Deduct	-7.07	
		For Cushion Backed Tile, Add	6.00	
09 68 13 00-0008	SY	28 Ounce, Non Patterned, Nylon Carpet Tile.....	55.39	6.90
		For >200 To 400, Deduct	-0.77	
		For >400 To 600, Deduct	-1.15	
		For >600 To 900, Deduct	-2.18	
		For >900 To 1,500, Deduct	-3.20	
		For >1,500 To 2,200, Deduct	-4.69	
		For >2,200 To 3,500, Deduct	-6.08	
		For >3,500, Deduct	-7.46	
		For Cushion Backed Tile, Add	6.00	
09 68 13 00-0009	SY	30 Ounce, Non Patterned, Nylon Carpet Tile.....	56.16	6.90
		For >200 To 400, Deduct	-0.79	
		For >400 To 600, Deduct	-1.18	
		For >600 To 900, Deduct	-2.22	
		For >900 To 1,500, Deduct	-3.26	
		For >1,500 To 2,200, Deduct	-4.77	
		For >2,200 To 3,500, Deduct	-6.18	
		For >3,500, Deduct	-7.58	
		For Cushion Backed Tile, Add	6.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0010	SY	32 Ounce, Non Patterned, Nylon Carpet Tile.....	56.65	6.90	
		<i>For &gt;200 To 400, Deduct</i>	-0.80		
		<i>For &gt;400 To 600, Deduct</i>	-1.19		
		<i>For &gt;600 To 900, Deduct</i>	-2.24		
		<i>For &gt;900 To 1,500, Deduct</i>	-3.29		
		<i>For &gt;1,500 To 2,200, Deduct</i>	-4.82		
		<i>For &gt;2,200 To 3,500, Deduct</i>	-6.24		
		<i>For &gt;3,500, Deduct</i>	-7.65		
		<i>For Cushion Backed Tile, Add</i>	6.00		
09 68 13 00-0011	SY	34 Ounce, Non Patterned, Nylon Carpet Tile.....	57.05	6.90	
		<i>For &gt;200 To 400, Deduct</i>	-0.80		
		<i>For &gt;400 To 600, Deduct</i>	-1.20		
		<i>For &gt;600 To 900, Deduct</i>	-2.26		
		<i>For &gt;900 To 1,500, Deduct</i>	-3.32		
		<i>For &gt;1,500 To 2,200, Deduct</i>	-4.86		
		<i>For &gt;2,200 To 3,500, Deduct</i>	-6.29		
		<i>For &gt;3,500, Deduct</i>	-7.71		
		<i>For Cushion Backed Tile, Add</i>	6.00		
09 68 13 00-0012	SY	36 Ounce, Non Patterned, Nylon Carpet Tile.....	58.44	6.90	
		<i>For &gt;200 To 400, Deduct</i>	-0.83		
		<i>For &gt;400 To 600, Deduct</i>	-1.25		
		<i>For &gt;600 To 900, Deduct</i>	-2.33		
		<i>For &gt;900 To 1,500, Deduct</i>	-3.41		
		<i>For &gt;1,500 To 2,200, Deduct</i>	-5.00		
		<i>For &gt;2,200 To 3,500, Deduct</i>	-6.46		
		<i>For &gt;3,500, Deduct</i>	-7.92		
		<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00		
		<i>For Cushion Backed Tile, Add</i>	6.00		
09 68 13 00-0013	SY	38 Ounce, Non Patterned, Nylon Carpet Tile.....	61.19	6.90	
		<i>For &gt;200 To 400, Deduct</i>	-0.89		
		<i>For &gt;400 To 600, Deduct</i>	-1.33		
		<i>For &gt;600 To 900, Deduct</i>	-2.47		
		<i>For &gt;900 To 1,500, Deduct</i>	-3.61		
		<i>For &gt;1,500 To 2,200, Deduct</i>	-5.27		
		<i>For &gt;2,200 To 3,500, Deduct</i>	-6.80		
		<i>For &gt;3,500, Deduct</i>	-8.33		
		<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00		
		<i>For Cushion Backed Tile, Add</i>	6.00		
09 68 13 00-0014	SY	40 Ounce, Non Patterned, Nylon Carpet Tile.....	64.14	6.90	
		<i>For &gt;200 To 400, Deduct</i>	-0.94		
		<i>For &gt;400 To 600, Deduct</i>	-1.42		
		<i>For &gt;600 To 900, Deduct</i>	-2.62		
		<i>For &gt;900 To 1,500, Deduct</i>	-3.81		
		<i>For &gt;1,500 To 2,200, Deduct</i>	-5.57		
		<i>For &gt;2,200 To 3,500, Deduct</i>	-7.17		
		<i>For &gt;3,500, Deduct</i>	-8.78		
		<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00		
		<i>For Cushion Backed Tile, Add</i>	6.00		
09 68 13 00-0015	SY	42 Ounce, Non Patterned, Nylon Carpet Tile.....	69.81	6.90	
		<i>For &gt;200 To 400, Deduct</i>	-1.06		
		<i>For &gt;400 To 600, Deduct</i>	-1.59		
		<i>For &gt;600 To 900, Deduct</i>	-2.90		
		<i>For &gt;900 To 1,500, Deduct</i>	-4.21		
		<i>For &gt;1,500 To 2,200, Deduct</i>	-6.14		
		<i>For &gt;2,200 To 3,500, Deduct</i>	-7.88		
		<i>For &gt;3,500, Deduct</i>	-9.63		
		<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00		
		<i>For Cushion Backed Tile, Add</i>	6.00		
09 68 13 00-0016	SY	Installation Of Owner Provided Non Patterned Carpet Tiles.....	16.59		
<b>09 68 13 00-0017</b>		<b>Patterned Carpet Tiles</b> (09 68 13 00-0001)			
		Note: Patterned carpet has a definitive repeating pattern as defined by the manufacturer.			
09 68 13 00-0018	SY	15 Ounce, Patterned, Nylon Carpet Tile .....	41.34	6.90	
		<i>For &gt;200 To 400, Deduct</i>	-0.45		
		<i>For &gt;400 To 600, Deduct</i>	-0.68		
		<i>For &gt;600 To 900, Deduct</i>	-1.42		
		<i>For &gt;900 To 1,500, Deduct</i>	-2.15		
		<i>For &gt;1,500 To 2,200, Deduct</i>	-3.20		
		<i>For &gt;2,200 To 3,500, Deduct</i>	-4.24		
		<i>For &gt;3,500, Deduct</i>	-5.27		
		<i>For Cushion Backed Tile, Add</i>	6.00		
09 68 13 00-0019	SY	18 Ounce, Patterned, Nylon Carpet Tile.....	42.09	6.90	
		<i>For &gt;200 To 400, Deduct</i>	-0.47		
		<i>For &gt;400 To 600, Deduct</i>	-0.70		
		<i>For &gt;600 To 900, Deduct</i>	-1.45		
		<i>For &gt;900 To 1,500, Deduct</i>	-2.20		
		<i>For &gt;1,500 To 2,200, Deduct</i>	-3.28		
		<i>For &gt;2,200 To 3,500, Deduct</i>	-4.33		
		<i>For &gt;3,500, Deduct</i>	-5.38		
		<i>For Cushion Backed Tile, Add</i>	6.00		
09 68 13 00-0020	SY	20 Ounce, Patterned, Nylon Carpet Tile .....	43.52	6.90	
		<i>For &gt;200 To 400, Deduct</i>	-0.50		
		<i>For &gt;400 To 600, Deduct</i>	-0.75		
		<i>For &gt;600 To 900, Deduct</i>	-1.53		
		<i>For &gt;900 To 1,500, Deduct</i>	-2.30		
		<i>For &gt;1,500 To 2,200, Deduct</i>	-3.42		
		<i>For &gt;2,200 To 3,500, Deduct</i>	-4.51		
		<i>For &gt;3,500, Deduct</i>	-5.60		
		<i>For Cushion Backed Tile, Add</i>	6.00		

## 09 Finishes

## 09 60 Flooring

## 09 68 Carpeting

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68	13 00-0021	SY	22 Ounce, Patterned, Nylon Carpet Tile .....	48.04	6.90
			<i>For &gt;200 To 400, Deduct</i>	-0.59	
			<i>For &gt;400 To 600, Deduct</i>	-0.88	
			<i>For &gt;600 To 900, Deduct</i>	-1.75	
			<i>For &gt;900 To 1,500, Deduct</i>	-2.62	
			<i>For &gt;1,500 To 2,200, Deduct</i>	-3.87	
			<i>For &gt;2,200 To 3,500, Deduct</i>	-5.08	
			<i>For &gt;3,500, Deduct</i>	-6.28	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68	13 00-0022	SY	24 Ounce, Patterned, Nylon Carpet Tile .....	52.45	6.90
			<i>For &gt;200 To 400, Deduct</i>	-0.68	
			<i>For &gt;400 To 600, Deduct</i>	-1.02	
			<i>For &gt;600 To 900, Deduct</i>	-1.97	
			<i>For &gt;900 To 1,500, Deduct</i>	-2.93	
			<i>For &gt;1,500 To 2,200, Deduct</i>	-4.32	
			<i>For &gt;2,200 To 3,500, Deduct</i>	-5.63	
			<i>For &gt;3,500, Deduct</i>	-6.94	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68	13 00-0023	SY	26 Ounce, Patterned, Nylon Carpet Tile .....	55.03	6.90
			<i>For &gt;200 To 400, Deduct</i>	-0.73	
			<i>For &gt;400 To 600, Deduct</i>	-1.09	
			<i>For &gt;600 To 900, Deduct</i>	-2.10	
			<i>For &gt;900 To 1,500, Deduct</i>	-3.11	
			<i>For &gt;1,500 To 2,200, Deduct</i>	-4.57	
			<i>For &gt;2,200 To 3,500, Deduct</i>	-5.95	
			<i>For &gt;3,500, Deduct</i>	-7.32	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68	13 00-0024	SY	28 Ounce, Patterned, Nylon Carpet Tile .....	57.67	6.90
			<i>For &gt;200 To 400, Deduct</i>	-0.78	
			<i>For &gt;400 To 600, Deduct</i>	-1.17	
			<i>For &gt;600 To 900, Deduct</i>	-2.23	
			<i>For &gt;900 To 1,500, Deduct</i>	-3.29	
			<i>For &gt;1,500 To 2,200, Deduct</i>	-4.84	
			<i>For &gt;2,200 To 3,500, Deduct</i>	-6.28	
			<i>For &gt;3,500, Deduct</i>	-7.72	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68	13 00-0025	SY	30 Ounce, Patterned, Nylon Carpet Tile .....	58.45	6.90
			<i>For &gt;200 To 400, Deduct</i>	-0.80	
			<i>For &gt;400 To 600, Deduct</i>	-1.20	
			<i>For &gt;600 To 900, Deduct</i>	-2.27	
			<i>For &gt;900 To 1,500, Deduct</i>	-3.35	
			<i>For &gt;1,500 To 2,200, Deduct</i>	-4.92	
			<i>For &gt;2,200 To 3,500, Deduct</i>	-6.38	
			<i>For &gt;3,500, Deduct</i>	-7.84	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68	13 00-0026	SY	32 Ounce, Patterned, Nylon Carpet Tile .....	58.94	6.90
			<i>For &gt;200 To 400, Deduct</i>	-0.81	
			<i>For &gt;400 To 600, Deduct</i>	-1.21	
			<i>For &gt;600 To 900, Deduct</i>	-2.30	
			<i>For &gt;900 To 1,500, Deduct</i>	-3.38	
			<i>For &gt;1,500 To 2,200, Deduct</i>	-4.96	
			<i>For &gt;2,200 To 3,500, Deduct</i>	-6.44	
			<i>For &gt;3,500, Deduct</i>	-7.91	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68	13 00-0027	SY	34 Ounce, Patterned, Nylon Carpet Tile .....	59.35	6.90
			<i>For &gt;200 To 400, Deduct</i>	-0.82	
			<i>For &gt;400 To 600, Deduct</i>	-1.22	
			<i>For &gt;600 To 900, Deduct</i>	-2.32	
			<i>For &gt;900 To 1,500, Deduct</i>	-3.41	
			<i>For &gt;1,500 To 2,200, Deduct</i>	-5.01	
			<i>For &gt;2,200 To 3,500, Deduct</i>	-6.49	
			<i>For &gt;3,500, Deduct</i>	-7.97	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68	13 00-0028	SY	36 Ounce, Patterned, Nylon Carpet Tile .....	60.76	6.90
			<i>For &gt;200 To 400, Deduct</i>	-0.84	
			<i>For &gt;400 To 600, Deduct</i>	-1.26	
			<i>For &gt;600 To 900, Deduct</i>	-2.39	
			<i>For &gt;900 To 1,500, Deduct</i>	-3.51	
			<i>For &gt;1,500 To 2,200, Deduct</i>	-5.15	
			<i>For &gt;2,200 To 3,500, Deduct</i>	-6.67	
			<i>For &gt;3,500, Deduct</i>	-8.18	
			<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68	13 00-0029	SY	38 Ounce, Patterned, Nylon Carpet Tile .....	63.55	6.90
			<i>For &gt;200 To 400, Deduct</i>	-0.90	
			<i>For &gt;400 To 600, Deduct</i>	-1.35	
			<i>For &gt;600 To 900, Deduct</i>	-2.53	
			<i>For &gt;900 To 1,500, Deduct</i>	-3.70	
			<i>For &gt;1,500 To 2,200, Deduct</i>	-5.43	
			<i>For &gt;2,200 To 3,500, Deduct</i>	-7.01	
			<i>For &gt;3,500, Deduct</i>	-8.60	
			<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
			<i>For Cushion Backed Tile, Add</i>	6.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 68 13 00-0030	SY		40 Ounce, Patterned, Nylon Carpet Tile .....	66.55	6.90
			<i>For &gt;200 To 400, Deduct</i>	-0.96	
			<i>For &gt;400 To 600, Deduct</i>	-1.44	
			<i>For &gt;600 To 900, Deduct</i>	-2.68	
			<i>For &gt;900 To 1,500, Deduct</i>	-3.91	
			<i>For &gt;1,500 To 2,200, Deduct</i>	-5.73	
			<i>For &gt;2,200 To 3,500, Deduct</i>	-7.39	
			<i>For &gt;3,500, Deduct</i>	-9.05	
			<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
			<i>For Cushion Backed Tile, Add</i>	6.00	

09 68 13 00-0031	SY		42 Ounce, Patterned, Nylon Carpet Tile .....	72.30	6.90
			<i>For &gt;200 To 400, Deduct</i>	-1.07	
			<i>For &gt;400 To 600, Deduct</i>	-1.61	
			<i>For &gt;600 To 900, Deduct</i>	-2.96	
			<i>For &gt;900 To 1,500, Deduct</i>	-4.32	
			<i>For &gt;1,500 To 2,200, Deduct</i>	-6.30	
			<i>For &gt;2,200 To 3,500, Deduct</i>	-8.11	
			<i>For &gt;3,500, Deduct</i>	-9.92	
			<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
			<i>For Cushion Backed Tile, Add</i>	6.00	

09 68 13 00-0032	SY		Installation Of Owner Provided Patterned Carpet Tiles .....	19.05	
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**09 68 13 00-0033 ESD Static Control Carpet Tiles (StaticSmart Mission Critical Discovery ECO Series)** (09 68 13 00-0001)

Note: Includes conductive ESD releasable adhesive and grounding clips.

09 68 13 00-0034	SY		24 Ounce, ESD Static Control, Non-Patterned, Nylon Carpet Tile (StaticSmart Mission Critical Discovery ECO Series) .....	89.82	6.90
			<i>For &gt;200 To 400, Deduct</i>	-1.42	
			<i>For &gt;400 To 600, Deduct</i>	-2.14	
			<i>For &gt;600 To 900, Deduct</i>	-3.84	
			<i>For &gt;900 To 1,500, Deduct</i>	-5.54	
			<i>For &gt;1,500 To 2,200, Deduct</i>	-8.05	
			<i>For &gt;2,200 To 3,500, Deduct</i>	-10.30	
			<i>For &gt;3,500, Deduct</i>	-12.54	

**09 68 13 00-0035 Carpet Tiles** (09 68 13)

Note: Includes glue

09 68 13 00-0036	SY		27 Ounce, Patterned, Nylon Carpet Tile (Mannington Graffiti II) .....	103.72	6.90
			Note: Tip sheared patterned loop carpet tile with reinforced composite closed cell polymer backing.		
			<i>For &gt;200 To 400, Deduct</i>	-1.70	
			<i>For &gt;400 To 600, Deduct</i>	-2.55	
			<i>For &gt;600 To 900, Deduct</i>	-4.54	
			<i>For &gt;900 To 1,500, Deduct</i>	-6.52	
			<i>For &gt;1,500 To 2,200, Deduct</i>	-9.44	
			<i>For &gt;2,200 To 3,500, Deduct</i>	-12.04	
			<i>For &gt;3,500, Deduct</i>	-14.63	

09 68 13 00-0037	SY		22 Ounce, Patterned, Nylon Carpet Tile (Lees Ground Strata) .....	88.38	6.90
			Note: Tufted carpet tile with EcoFlex ICT backing.		
			<i>For &gt;200 To 400, Deduct</i>	-1.40	
			<i>For &gt;400 To 600, Deduct</i>	-2.09	
			<i>For &gt;600 To 900, Deduct</i>	-3.77	
			<i>For &gt;900 To 1,500, Deduct</i>	-5.44	
			<i>For &gt;1,500 To 2,200, Deduct</i>	-7.91	
			<i>For &gt;2,200 To 3,500, Deduct</i>	-10.12	
			<i>For &gt;3,500, Deduct</i>	-12.33	

09 68 13 00-0038	SY		20 Ounce, Patterned, Nylon Carpet Tile (Lees Parkway) .....	91.14	6.90
			Note: Tufted carpet tile with EcoFlex ICT backing.		
			<i>For &gt;200 To 400, Deduct</i>	-1.45	
			<i>For &gt;400 To 600, Deduct</i>	-2.18	
			<i>For &gt;600 To 900, Deduct</i>	-3.91	
			<i>For &gt;900 To 1,500, Deduct</i>	-5.64	
			<i>For &gt;1,500 To 2,200, Deduct</i>	-8.18	
			<i>For &gt;2,200 To 3,500, Deduct</i>	-10.46	
			<i>For &gt;3,500, Deduct</i>	-12.74	

09 68 13 00-0039	SY		22 Ounce, Patterned, Nylon Carpet Tile (Lees Realization) .....	88.84	6.90
			Note: Tufted carpet tile with EcoFlex ICT backing.		
			<i>For &gt;200 To 400, Deduct</i>	-1.40	
			<i>For &gt;400 To 600, Deduct</i>	-2.11	
			<i>For &gt;600 To 900, Deduct</i>	-3.79	
			<i>For &gt;900 To 1,500, Deduct</i>	-5.47	
			<i>For &gt;1,500 To 2,200, Deduct</i>	-7.95	
			<i>For &gt;2,200 To 3,500, Deduct</i>	-10.18	
			<i>For &gt;3,500, Deduct</i>	-12.40	

09 68 13 00-0040	SY		20 Ounce, Patterned, Nylon Carpet Tile (Lees Shirt) .....	91.60	6.90
			Note: Tufted carpet tile with EcoFlex ICT backing.		
			<i>For &gt;200 To 400, Deduct</i>	-1.46	
			<i>For &gt;400 To 600, Deduct</i>	-2.19	
			<i>For &gt;600 To 900, Deduct</i>	-3.93	
			<i>For &gt;900 To 1,500, Deduct</i>	-5.67	
			<i>For &gt;1,500 To 2,200, Deduct</i>	-8.23	
			<i>For &gt;2,200 To 3,500, Deduct</i>	-10.52	
			<i>For &gt;3,500, Deduct</i>	-12.81	

**09 68 16 Sheet Carpeting** (09 68)

Note: Weights shown are face weight excluding backing weight and excludes padding. Demolition of carpet includes removal of glue if required. Residential carpet backing basis is for padding and commercial carpet backing is for glue down.

**09 68 16 00-0001 Carpet Cushion** (09 68 16)

## 09 Finishes

## 09 60 Flooring

## 09 68 Carpeting

 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0002			Carpet Padding <small>(09 68 16 00-0001)</small>		
09 68 16 00-0003			Prime Polyurethane Foam Carpet Padding <small>(09 68 16 00-0002)</small>		
09 68 16 00-0004	SY		7/16" Thick, Prime Polyurethane Foam Carpet Padding.....	16.26	2.90
			For >200 To 400, Deduct	-0.24	
			For >400 To 600, Deduct	-0.36	
			For >600 To 900, Deduct	-0.66	
			For >900 To 1,500, Deduct	-0.96	
			For >1,500 To 2,200, Deduct	-1.41	
			For >2,200 To 3,500, Deduct	-1.81	
			For >3,500, Deduct	-2.22	
09 68 16 00-0005	SY		1/2" Thick, Prime Polyurethane Foam Carpet Padding.....	16.95	2.90
			For >200 To 400, Deduct	-0.25	
			For >400 To 600, Deduct	-0.38	
			For >600 To 900, Deduct	-0.69	
			For >900 To 1,500, Deduct	-1.01	
			For >1,500 To 2,200, Deduct	-1.48	
			For >2,200 To 3,500, Deduct	-1.90	
			For >3,500, Deduct	-2.32	
09 68 16 00-0006			Bonded (Rebond) Polyurethane Foam Carpet Padding <small>(09 68 16 00-0002)</small>		
09 68 16 00-0007	SY		1/4" Thick, 8 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding.....	10.19	2.90
			For >200 To 400, Deduct	-0.12	
			For >400 To 600, Deduct	-0.17	
			For >600 To 900, Deduct	-0.36	
			For >900 To 1,500, Deduct	-0.54	
			For >1,500 To 2,200, Deduct	-0.80	
			For >2,200 To 3,500, Deduct	-1.05	
			For >3,500, Deduct	-1.31	
09 68 16 00-0008	SY		5/16" Thick, 8 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding.....	10.67	2.90
			For >200 To 400, Deduct	-0.13	
			For >400 To 600, Deduct	-0.19	
			For >600 To 900, Deduct	-0.38	
			For >900 To 1,500, Deduct	-0.57	
			For >1,500 To 2,200, Deduct	-0.85	
			For >2,200 To 3,500, Deduct	-1.11	
			For >3,500, Deduct	-1.38	
09 68 16 00-0009	SY		3/8" Thick, 5.5 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding.....	8.42	2.90
			For >200 To 400, Deduct	-0.08	
			For >400 To 600, Deduct	-0.12	
			For >600 To 900, Deduct	-0.27	
			For >900 To 1,500, Deduct	-0.41	
			For >1,500 To 2,200, Deduct	-0.62	
			For >2,200 To 3,500, Deduct	-0.83	
			For >3,500, Deduct	-1.04	
09 68 16 00-0010	SY		3/8" Thick, 8 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding.....	10.35	2.90
			For >200 To 400, Deduct	-0.12	
			For >400 To 600, Deduct	-0.18	
			For >600 To 900, Deduct	-0.36	
			For >900 To 1,500, Deduct	-0.55	
			For >1,500 To 2,200, Deduct	-0.82	
			For >2,200 To 3,500, Deduct	-1.07	
			For >3,500, Deduct	-1.33	
09 68 16 00-0011	SY		7/16" Thick, 5.5 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding.....	10.35	2.90
			For >200 To 400, Deduct	-0.12	
			For >400 To 600, Deduct	-0.18	
			For >600 To 900, Deduct	-0.36	
			For >900 To 1,500, Deduct	-0.55	
			For >1,500 To 2,200, Deduct	-0.82	
			For >2,200 To 3,500, Deduct	-1.07	
			For >3,500, Deduct	-1.33	
09 68 16 00-0012	SY		7/16" Thick, 6 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding.....	10.35	2.90
			For >200 To 400, Deduct	-0.12	
			For >400 To 600, Deduct	-0.18	
			For >600 To 900, Deduct	-0.36	
			For >900 To 1,500, Deduct	-0.55	
			For >1,500 To 2,200, Deduct	-0.82	
			For >2,200 To 3,500, Deduct	-1.07	
			For >3,500, Deduct	-1.33	
09 68 16 00-0013	SY		7/16" Thick, 8 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding.....	11.50	2.90
			For >200 To 400, Deduct	-0.14	
			For >400 To 600, Deduct	-0.21	
			For >600 To 900, Deduct	-0.42	
			For >900 To 1,500, Deduct	-0.63	
			For >1,500 To 2,200, Deduct	-0.93	
			For >2,200 To 3,500, Deduct	-1.22	
			For >3,500, Deduct	-1.51	
09 68 16 00-0014	SY		1/2" Thick, 5.5 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding.....	10.24	2.90
			For >200 To 400, Deduct	-0.12	
			For >400 To 600, Deduct	-0.18	
			For >600 To 900, Deduct	-0.36	
			For >900 To 1,500, Deduct	-0.54	
			For >1,500 To 2,200, Deduct	-0.80	
			For >2,200 To 3,500, Deduct	-1.06	
			For >3,500, Deduct	-1.32	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	09 68 16 00-0015		SY	1/2" Thick, 6 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding.....	10.62	2.90
				<i>For &gt;200 To 400, Deduct</i>	-0.12	
				<i>For &gt;400 To 600, Deduct</i>	-0.19	
				<i>For &gt;600 To 900, Deduct</i>	-0.38	
				<i>For &gt;900 To 1,500, Deduct</i>	-0.57	
				<i>For &gt;1,500 To 2,200, Deduct</i>	-0.84	
				<i>For &gt;2,200 To 3,500, Deduct</i>	-1.11	
				<i>For &gt;3,500, Deduct</i>	-1.37	
	09 68 16 00-0016		SY	1/2" Thick, 8 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding.....	11.98	2.90
				<i>For &gt;200 To 400, Deduct</i>	-0.15	
				<i>For &gt;400 To 600, Deduct</i>	-0.23	
				<i>For &gt;600 To 900, Deduct</i>	-0.45	
				<i>For &gt;900 To 1,500, Deduct</i>	-0.66	
				<i>For &gt;1,500 To 2,200, Deduct</i>	-0.98	
				<i>For &gt;2,200 To 3,500, Deduct</i>	-1.28	
				<i>For &gt;3,500, Deduct</i>	-1.58	
	<b>09 68 16 00-0017</b>			<b>Froth Polyurethane Foam Carpet Padding</b> <small>(09 68 16 00-0002)</small>		
	09 68 16 00-0018		SY	0.175" Thick, 16 LB/CF Froth Polyurethane Foam Rubber Carpet Padding.....	17.31	2.90
				<i>For &gt;200 To 400, Deduct</i>	-0.26	
				<i>For &gt;400 To 600, Deduct</i>	-0.39	
				<i>For &gt;600 To 900, Deduct</i>	-0.71	
				<i>For &gt;900 To 1,500, Deduct</i>	-1.04	
				<i>For &gt;1,500 To 2,200, Deduct</i>	-1.51	
				<i>For &gt;2,200 To 3,500, Deduct</i>	-1.94	
				<i>For &gt;3,500, Deduct</i>	-2.38	
	09 68 16 00-0019		SY	0.250" Thick, 12 LB/CF Froth Polyurethane Foam Rubber Carpet Padding.....	19.32	2.90
				<i>For &gt;200 To 400, Deduct</i>	-0.30	
				<i>For &gt;400 To 600, Deduct</i>	-0.45	
				<i>For &gt;600 To 900, Deduct</i>	-0.81	
				<i>For &gt;900 To 1,500, Deduct</i>	-1.18	
				<i>For &gt;1,500 To 2,200, Deduct</i>	-1.71	
				<i>For &gt;2,200 To 3,500, Deduct</i>	-2.20	
				<i>For &gt;3,500, Deduct</i>	-2.68	
	09 68 16 00-0020		SY	0.250" Thick, 16 LB/CF Froth Polyurethane Foam Rubber Carpet Padding.....	20.86	2.90
				<i>For &gt;200 To 400, Deduct</i>	-0.33	
				<i>For &gt;400 To 600, Deduct</i>	-0.49	
				<i>For &gt;600 To 900, Deduct</i>	-0.89	
				<i>For &gt;900 To 1,500, Deduct</i>	-1.28	
				<i>For &gt;1,500 To 2,200, Deduct</i>	-1.87	
				<i>For &gt;2,200 To 3,500, Deduct</i>	-2.39	
				<i>For &gt;3,500, Deduct</i>	-2.91	
	<b>09 68 16 00-0021</b>			<b>Waffle Rubber Carpet Padding</b> <small>(09 68 16 00-0002)</small>		
	09 68 16 00-0022		SY	3/8" Thick, 90 OZ/SY Waffle Rubber Carpet Padding.....	19.85	2.90
				<i>For &gt;200 To 400, Deduct</i>	-0.31	
				<i>For &gt;400 To 600, Deduct</i>	-0.46	
				<i>For &gt;600 To 900, Deduct</i>	-0.84	
				<i>For &gt;900 To 1,500, Deduct</i>	-1.21	
				<i>For &gt;1,500 To 2,200, Deduct</i>	-1.77	
				<i>For &gt;2,200 To 3,500, Deduct</i>	-2.26	
				<i>For &gt;3,500, Deduct</i>	-2.76	
	<b>09 68 16 00-0023</b>			<b>Flat Sponge Rubber Carpet Padding</b> <small>(09 68 16 00-0002)</small>		
	09 68 16 00-0024		SY	0.156" Thick, 62 OZ/SY Flat Sponge Rubber Carpet Padding .....	12.09	2.90
				<i>For &gt;200 To 400, Deduct</i>	-0.15	
				<i>For &gt;400 To 600, Deduct</i>	-0.23	
				<i>For &gt;600 To 900, Deduct</i>	-0.45	
				<i>For &gt;900 To 1,500, Deduct</i>	-0.67	
				<i>For &gt;1,500 To 2,200, Deduct</i>	-0.99	
				<i>For &gt;2,200 To 3,500, Deduct</i>	-1.29	
				<i>For &gt;3,500, Deduct</i>	-1.59	
	09 68 16 00-0025		SY	0.250" Thick, 68 OZ/SY Flat Sponge Rubber Carpet Padding .....	12.91	2.90
				<i>For &gt;200 To 400, Deduct</i>	-0.17	
				<i>For &gt;400 To 600, Deduct</i>	-0.26	
				<i>For &gt;600 To 900, Deduct</i>	-0.49	
				<i>For &gt;900 To 1,500, Deduct</i>	-0.73	
				<i>For &gt;1,500 To 2,200, Deduct</i>	-1.07	
				<i>For &gt;2,200 To 3,500, Deduct</i>	-1.39	
				<i>For &gt;3,500, Deduct</i>	-1.72	
	09 68 16 00-0026		SY	0.250" Thick, 80 OZ/SY Flat Sponge Rubber Carpet Padding .....	13.52	2.90
				<i>For &gt;200 To 400, Deduct</i>	-0.18	
				<i>For &gt;400 To 600, Deduct</i>	-0.27	
				<i>For &gt;600 To 900, Deduct</i>	-0.52	
				<i>For &gt;900 To 1,500, Deduct</i>	-0.77	
				<i>For &gt;1,500 To 2,200, Deduct</i>	-1.13	
				<i>For &gt;2,200 To 3,500, Deduct</i>	-1.47	
				<i>For &gt;3,500, Deduct</i>	-1.81	
	09 68 16 00-0027		SY	0.250" Thick, 100 OZ/SY Flat Sponge Rubber Carpet Padding .....	15.41	2.90
				<i>For &gt;200 To 400, Deduct</i>	-0.22	
				<i>For &gt;400 To 600, Deduct</i>	-0.33	
				<i>For &gt;600 To 900, Deduct</i>	-0.62	
				<i>For &gt;900 To 1,500, Deduct</i>	-0.90	
				<i>For &gt;1,500 To 2,200, Deduct</i>	-1.32	
				<i>For &gt;2,200 To 3,500, Deduct</i>	-1.71	
				<i>For &gt;3,500, Deduct</i>	-2.09	

**09 Finishes****09 60 Flooring****09 68 Carpeting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 68 16 00-0028	SY 0.370" Thick, 100 OZ/SY Flat Sponge Rubber Carpet Padding.....	15.58	2.90
	For >200 To 400, Deduct	-0.22	
	For >400 To 600, Deduct	-0.34	
	For >600 To 900, Deduct	-0.63	
	For >900 To 1,500, Deduct	-0.92	
	For >1,500 To 2,200, Deduct	-1.34	
	For >2,200 To 3,500, Deduct	-1.73	
	For >3,500, Deduct	-2.12	
<b>09 68 16 00-0029</b>	<b>Synthetic Fiber Carpet Padding (09 68 16 00-0002)</b>		
09 68 16 00-0030	SY 0.235" Thick, 20 OZ/SY Synthetic Fiber Carpet Padding.....	5.98	2.90
	For >200 To 400, Deduct	-0.03	
	For >400 To 600, Deduct	-0.05	
	For >600 To 900, Deduct	-0.15	
	For >900 To 1,500, Deduct	-0.24	
	For >1,500 To 2,200, Deduct	-0.38	
	For >2,200 To 3,500, Deduct	-0.53	
	For >3,500, Deduct	-0.68	
09 68 16 00-0031	SY 0.235" Thick, 24 OZ/SY Synthetic Fiber Carpet Padding.....	7.24	2.90
	For >200 To 400, Deduct	-0.06	
	For >400 To 600, Deduct	-0.09	
	For >600 To 900, Deduct	-0.21	
	For >900 To 1,500, Deduct	-0.33	
	For >1,500 To 2,200, Deduct	-0.50	
	For >2,200 To 3,500, Deduct	-0.69	
	For >3,500, Deduct	-0.87	
09 68 16 00-0032	SY 0.275" Thick, 28 OZ/SY Synthetic Fiber Carpet Padding.....	6.66	2.90
	For >200 To 400, Deduct	-0.05	
	For >400 To 600, Deduct	-0.07	
	For >600 To 900, Deduct	-0.18	
	For >900 To 1,500, Deduct	-0.29	
	For >1,500 To 2,200, Deduct	-0.45	
	For >2,200 To 3,500, Deduct	-0.61	
	For >3,500, Deduct	-0.78	
09 68 16 00-0033	SY 0.300" Thick, 32 OZ/SY Synthetic Fiber Carpet Padding.....	6.88	2.90
	For >200 To 400, Deduct	-0.05	
	For >400 To 600, Deduct	-0.07	
	For >600 To 900, Deduct	-0.19	
	For >900 To 1,500, Deduct	-0.31	
	For >1,500 To 2,200, Deduct	-0.47	
	For >2,200 To 3,500, Deduct	-0.64	
	For >3,500, Deduct	-0.81	
09 68 16 00-0034	SY 0.350" Thick, 40 OZ/SY Synthetic Fiber Carpet Padding.....	8.17	2.90
	For >200 To 400, Deduct	-0.08	
	For >400 To 600, Deduct	-0.11	
	For >600 To 900, Deduct	-0.25	
	For >900 To 1,500, Deduct	-0.40	
	For >1,500 To 2,200, Deduct	-0.60	
	For >2,200 To 3,500, Deduct	-0.80	
	For >3,500, Deduct	-1.01	
<b>09 68 16 00-0035</b>	<b>Double Stick Synthetic Fiber Carpet Padding (09 68 16 00-0002)</b>		
09 68 16 00-0036	SY 0.300" Thick, 32 OZ/SY Double Stick Synthetic Fiber Carpet Padding.....	8.56	2.90
	For >200 To 400, Deduct	-0.08	
	For >400 To 600, Deduct	-0.13	
	For >600 To 900, Deduct	-0.27	
	For >900 To 1,500, Deduct	-0.42	
	For >1,500 To 2,200, Deduct	-0.64	
	For >2,200 To 3,500, Deduct	-0.85	
	For >3,500, Deduct	-1.06	
09 68 16 00-0037	SY 0.375" Thick, 40 OZ/SY Double Stick Synthetic Fiber Carpet Padding.....	9.56	2.90
	For >200 To 400, Deduct	-0.10	
	For >400 To 600, Deduct	-0.16	
	For >600 To 900, Deduct	-0.32	
	For >900 To 1,500, Deduct	-0.49	
	For >1,500 To 2,200, Deduct	-0.74	
	For >2,200 To 3,500, Deduct	-0.98	
	For >3,500, Deduct	-1.21	
<b>09 68 16 00-0038</b>	<b>Indoor/Outdoor Carpet (09 68 16)</b>		
	Note: Includes waterproof glue.		
09 68 16 00-0039	SY Nylon Indoor/Outdoor Carpet.....	44.04	5.79
09 68 16 00-0040	SY Ozite Indoor/Outdoor Carpet.....	36.13	5.79
<b>09 68 16 00-0041</b>	<b>Commercial Broadloom Carpet (09 68 16)</b>		
	Note: Level-loop pile or textured-loop pile broadloom carpet.		
<b>09 68 16 00-0042</b>	<b>Non-Patterned Broadloom Carpet (09 68 16 00-0041)</b>		



Finishes	<b>09</b>	
Flooring	<b>09 60</b>	<b>9</b>
Carpeting	<b>09 68</b>	

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 68 16 00-0043	SY 22 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet .....	50.05	28.32
	For Up To 15, Add	3.78	
	For >15 To 33, Add	1.89	
	For >200 To 400, Deduct	-0.62	
	For >400 To 600, Deduct	-0.94	
	For >600 To 900, Deduct	-1.84	
	For >900, Deduct	-2.75	
	For Moisture Barrier Backing, Add	3.50	
	For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0044	SY 24 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet .....	50.05	28.32
	For Up To 15, Add	3.78	
	For >15 To 33, Add	1.89	
	For >200 To 400, Deduct	-0.62	
	For >400 To 600, Deduct	-0.94	
	For >600 To 900, Deduct	-1.84	
	For >900, Deduct	-2.75	
	For Moisture Barrier Backing, Add	3.50	
	For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0045	SY 26 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet .....	50.05	28.32
	For Up To 15, Add	3.78	
	For >15 To 33, Add	1.89	
	For >200 To 400, Deduct	-0.62	
	For >400 To 600, Deduct	-0.94	
	For >600 To 900, Deduct	-1.84	
	For >900, Deduct	-2.75	
	For Moisture Barrier Backing, Add	3.50	
	For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0046	SY 28 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet .....	54.25	30.69
	For Up To 15, Add	4.09	
	For >15 To 33, Add	2.05	
	For >200 To 400, Deduct	-0.68	
	For >400 To 600, Deduct	-1.01	
	For >600 To 900, Deduct	-2.00	
	For >900, Deduct	-2.98	
	For Moisture Barrier Backing, Add	3.50	
	For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0047	SY 30 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet .....	55.20	30.69
	For Up To 15, Add	4.09	
	For >15 To 33, Add	2.05	
	For >200 To 400, Deduct	-0.70	
	For >400 To 600, Deduct	-1.04	
	For >600 To 900, Deduct	-2.04	
	For >900, Deduct	-3.05	
	For Cut Pile Carpet, Add	1.50	
	For Moisture Barrier Backing, Add	3.50	
	For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0048	SY 32 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet .....	55.37	30.69
	For Up To 15, Add	4.09	
	For >15 To 33, Add	2.05	
	For >200 To 400, Deduct	-0.70	
	For >400 To 600, Deduct	-1.05	
	For >600 To 900, Deduct	-2.05	
	For >900, Deduct	-3.06	
	For Cut Pile Carpet, Add	1.50	
	For Moisture Barrier Backing, Add	3.50	
	For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0049	SY 34 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet .....	60.75	33.04
	For Up To 15, Add	4.41	
	For >15 To 33, Add	2.20	
	For >200 To 400, Deduct	-0.77	
	For >400 To 600, Deduct	-1.16	
	For >600 To 900, Deduct	-2.27	
	For >900, Deduct	-3.37	
	For Cut Pile Carpet, Add	1.50	
	For Moisture Barrier Backing, Add	3.50	
	For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0050	SY 36 Ounce, Heavy Traffic, Non Patterned, Nylon Broadloom Carpet.....	61.44	33.04
	For Up To 15, Add	4.41	
	For >15 To 33, Add	2.20	
	For >200 To 400, Deduct	-0.79	
	For >400 To 600, Deduct	-1.18	
	For >600 To 900, Deduct	-2.30	
	For >900, Deduct	-3.42	
	For Cut Pile Carpet, Add	1.50	
	For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
	For Moisture Barrier Backing, Add	3.50	
	For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0051	SY 38 Ounce, Heavy Traffic, Non Patterned, Nylon Broadloom Carpet.....	62.28	33.04
	For Up To 15, Add	4.41	
	For >15 To 33, Add	2.20	
	For >200 To 400, Deduct	-0.81	
	For >400 To 600, Deduct	-1.21	
	For >600 To 900, Deduct	-2.34	
	For >900, Deduct	-3.48	
	For Cut Pile Carpet, Add	1.50	
	For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
	For Moisture Barrier Backing, Add	3.50	
	For Installation On Stairs, Each Riser, Add	6.00	

09 68 16 00-0052 Patterned Broadloom Carpet (09 68 16 00-0041)

Note: Patterned carpet has a definitive repeating pattern as defined by the manufacturer.



MINOR	DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 68 16 00-0062	SY	32 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet (Karastan Studded).....	87.84	30.69
		<i>For Up To 15, Add</i>	4.50	
		<i>For &gt;15 To 33, Add</i>	2.25	
		<i>For &gt;200 To 400, Deduct</i>	-1.31	
		<i>For &gt;400 To 600, Deduct</i>	-1.96	
		<i>For &gt;600 To 900, Deduct</i>	-3.60	
		<i>For &gt;900, Deduct</i>	-5.25	
		<i>For Cut Pile Carpet, Add</i>	1.50	
		<i>For Moisture Barrier Backing, Add</i>	3.50	
		<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
<b>09 68 16 00-0063</b>		<b>Carpet Accessories (09 68 16)</b>		
09 68 16 00-0064	LF	Metal Carpet Saddle Strip, Up To 4" Wide.....	5.16	0.79
<b>09 68 16 00-0065</b>		<b>Removal And Reinstallation Of Carpet And Pad (09 68 16)</b>		
		Note: Includes storage, cleaning and supply materials.		
09 68 16 00-0066	SY	Removal And Reinstallation Of Carpet And Pad.....	39.84	
<b>09 68 16 00-0067</b>		<b>Carpeting Support Functions (09 68 16)</b>		
<b>09 68 16 00-0068</b>		<b>Relocate Partitions, Modular Work Stations (09 68 16 00-0067)</b>		
		Note: Includes disassembly and reassembly of work station. Excludes electrical disconnection or reconnection.		
09 68 16 00-0069	EA	Relocate Modular Work Station.....	277.71	
<b>09 68 16 00-0070</b>		<b>Installation Of Owner Provided Broadloom Carpet (09 68 16)</b>		
09 68 16 00-0071	SY	Up To 24 Oz, Installation Of Owner Provided Broadloom Carpet.....	16.75	
		Note: Includes adhesive for glue-down or tack strip for padded installations.		
		<i>For Up To 15, Add</i>	3.28	
		<i>For &gt;15 To 33, Add</i>	1.64	
09 68 16 00-0072	SY	>24 To 34 Oz, Installation Of Owner Provided Broadloom Carpet.....	19.49	
		Note: Includes adhesive for glue-down or tack strip for padded installations.		
		<i>For Up To 15, Add</i>	3.83	
		<i>For &gt;15 To 33, Add</i>	1.92	
09 68 16 00-0073	SY	>34 Oz, Installation Of Owner Provided Broadloom Carpet.....	23.32	
		Note: Includes adhesive for glue-down or tack strip for padded installations.		
		<i>For Up To 15, Add</i>	4.60	
		<i>For &gt;15 To 33, Add</i>	2.30	
<b>09 69</b>		<b>Access Flooring (09 69)</b>		
<b>09 69 13</b>		<b>Rigid-Grid Access Flooring (09 69)</b>		
<b>09 69 13 00-0001</b>		<b>Panels, No Covering (09 69 13)</b>		
09 69 13 00-0002	SF	2' x 2' Panels - No Covering Access And Pedestal Floors.....	15.22	0.79
		<i>For Carpet Covering, Add</i>	2.77	
		<i>For Vinyl Floor Covering, Add</i>	1.91	
09 69 13 00-0003	SF	2' x 2' Perforated Panels Access And Pedestal Floors.....	28.90	0.79
		<i>For Carpet Covering, Add</i>	2.77	
		<i>For Vinyl Floor Covering, Add</i>	1.91	
09 69 13 00-0004	SF	Tate 1250AS Panel Cover UTP Designer Plus Color Raf Blue 7153T.....	26.90	0.87
09 69 13 00-0005	SF	Tate 1250AS Panel Cover UTP Designer Plus Color Sage Brown 7777T.....	26.90	0.87
09 69 13 00-0006	SF	Tate 1250AS Panel Cover UTP Designer Plus Color Moondance 6808.....	26.90	0.87
09 69 13 00-0007	SF	Tate 1250AS Panel Cover UTP Designer Plus Color Mosaic 6280.....	26.90	0.87
09 69 13 00-0008	SF	Tate 1250AS Panel Cover HPL 1/8" Nevamar ST2-2 Beige Star/Brown Trim.....	25.42	0.87
09 69 13 00-0009	SF	Tate 1250AS Panel Cover HPL 1/8" Nevamar ST6-1 Gray Star/Black Trim.....	25.42	0.87
09 69 13 00-0010	SF	Tate Concure 1500 Panel Cover UTP Designer Plus Color Raf Blue 7153T.....	28.75	0.87
09 69 13 00-0011	SF	Tate Concure 1500 Panel Cover UTP Designer Plus Color Sage Brown 7777T.....	28.75	0.87
09 69 13 00-0012	SF	Tate Concure 1500 Panel Cover UTP Designer Plus Color Moondance 6808.....	28.75	0.87
09 69 13 00-0013	SF	Tate Concure 1500 Panel Cover UTP Designer Plus Color Mosaic 6280.....	28.75	0.87
09 69 13 00-0014	SF	Tate Concure 1500 Panel Cover HPL 1/8" Nevamar ST-2 Beige Star/Brown Trim.....	27.27	0.87
09 69 13 00-0015	SF	Tate Concure 1500 Panel Cover HPL 1/8" Nevamar ST6-1 Grey Star/Black Trim.....	27.27	0.87
09 69 13 00-0016	SF	Tate 1250AS Perforated 25% O/A Cover 1/8" Nevamar HPL ST2-2 Beige Star Trim.....	34.62	0.87
09 69 13 00-0017	SF	Tate 1250AS Perforated 25% O/A Cover 1/8" Nevamar HPL ST6-1 Gray Star Trim.....	34.62	0.87
<b>09 69 13 00-0018</b>		<b>Pedestals (09 69 13)</b>		
09 69 13 00-0019	EA	6" To 12" Finished Floor Height, Pedestal Assembly.....	32.22	3.97
09 69 13 00-0020	EA	8" To 12" Finished Floor Height, Pedestal Assembly.....	34.07	3.97
09 69 13 00-0021	EA	18" To 24" Finished Floor Height, Pedestal Assembly.....	34.99	3.97
09 69 13 00-0022	EA	30" To 36" Finished Floor Height, Pedestal Assembly.....	38.34	3.97
<b>09 69 13 00-0023</b>		<b>Stringers (09 69 13)</b>		
09 69 13 00-0024	EA	2' Bolted Stringers, Access And Pedestal Floors.....	16.22	4.76
09 69 13 00-0025	EA	4' Bolted Stringers, Access And Pedestal Floors.....	28.40	7.14
09 69 13 00-0026	EA	6' Bolted Stringers, Access And Pedestal Floors.....	44.81	11.90
<b>09 69 13 00-0027</b>		<b>Understructure (09 69 13)</b>		
09 69 13 00-0028	SF	Standard Bolted Stringer Understructure 8" Or 12" Finished Floor Height.....	5.52	1.19
09 69 13 00-0029	SF	Standard Bolted Stringer Understructure 18" Or 24" Finished Floor Height.....	5.95	1.19

09	<b>09 Finishes</b>
	<b>09 60 Flooring</b>
	<b>09 69 Access Flooring</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

09 69 13 00-0030	SF	Standard Bolted Stringer Understructure 30" Or 36" Finished Floor Height.....	7.08	1.19
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**09 69 53 Access Flooring Accessories (09 69)**

<b>09 69 53 00-0001</b>	<b>Accessories (09 69 53)</b>			
09 69 53 00-0002	SF	Accessories, Ramp Assembly Access And Pedestal Floors.....	34.06	3.17
09 69 53 00-0003	LF	Accessories, Handrail Access And Pedestal Floors.....	54.92	5.55
09 69 53 00-0004	LF	Accessories, Fascia Plate Access And Pedestal Floors .....	21.74	5.55
09 69 53 00-0005	EA	Machine Cutouts.....	173.82	
09 69 53 00-0006	SF	Tate Tamp, Cover Step Master Slip Retard- Tile, Buckskin Or Slate.....	56.79	
09 69 53 00-0007	LF	Tate 2 Or 3 Riser Steps In Raised Floor System .....	136.70	0.40
Note: Includes baffles, fascia plates trim and cover.				
09 69 53 00-0008	LF	Tate Handrail .....	108.04	2.62
09 69 53 00-0009	SF	Hammered Aluminum Finish Fascia .....	39.31	2.62
Note: Includes trim angles and hardware (8", 12", 18", 24").				
09 69 53 00-0010	EA	7" x 17" Lexan Floor Mounted Grille .....	178.24	9.92
Note: Includes carpet trim to flush mount.				
09 69 53 00-0011	EA	Cut Hole In Raised Floor And Trim With Black 1/2" Trim Material .....	39.32	
09 69 53 00-0012	EA	Cut Round Hole In Raised Floor And Trim Carpet Install 4" Plastic Insert (Gromtec#GT003).....	39.32	
09 69 53 00-0013	EA	Rehab Panel (Any Brand, Weight) Carpet Cover Only - New UTP Carpet.....	52.54	1.59
09 69 53 00-0014	EA	Rehab Panel (Any Brand, Weight) Carpet Cover Only - New HPL.....	64.54	1.59
09 69 53 00-0015	EA	Rehab Panel (Any Brand, Weight) HPL Cover Only - With New HPL/WA Edge Trim.....	49.21	1.59
09 69 53 00-0016	EA	Rehab Panel (Any Brand, Weight) HPL Cover Only - With New HPL Top set Trim Edge .....	64.53	1.59
09 69 53 00-0017	EA	Flush Mounted Electrical Box (Including Cutting Hole Trim Carpet) P/N Telo-7018-4 .....	176.01	9.92
09 69 53 00-0018	EA	Flush Mounted Telephone Box (Grey/Black/Communications).....	123.17	9.92
Note: Includes cut hole.				
09 69 53 00-0019	EA	Flush Mounted Electrical Box (In Existing Hole) P/N Telo 7018-4 .....	176.01	9.92
09 69 53 00-0020	EA	Flush Mounted Telephone Box (Grey/Black/Communications) (In Existing Hole) P/N Telo-7018-2 .....	91.43	1.59
09 69 53 00-0021	EA	Removal And Reinstallation Of Flush Mounted Electrical, Telephone Or Communications Floor Box In Raised Floor .....	7.93	

**09 69 53 00-0022 Final Cleaning For Computer Room Raised Floor System (09 69 53)**

Note: Includes wipe dirt/dust from stringers and raised floor beneath raised floor. For new or existing systems.				
09 69 53 00-0023	SF	Vacuum Raised Floor Carpet Panel, Wipe Dirt/Dust From Stringers And Floor Beneath Raised Floor .....	2.79	
09 69 53 00-0024	SF	Vacuum/Shampoo Raised Floor Carpet Panel, Wipe Dirt/Dust From Stringers And Floor Beneath.....	2.90	
09 69 53 00-0025	SF	Vacuum/Wet Mop Clean Raised Floor HPL Panel Wipe Dirt/Dust Stringers And Raised Floor.....	2.86	

**09 70 Wall Finishes (09)**

**09 72 Wall Coverings (09 70)**

**09 72 13 Cork Wall Coverings (09 72)**

**09 72 13 00-0001 Cork Wall Covering (09 72 13)**

09 72 13 00-0002	SF	1/8" Cork Wall Covering.....	5.01	0.94
09 72 13 00-0003	SF	1/4" Cork Wall Covering.....	5.92	0.94
09 72 13 00-0004	SF	1/2" Cork Wall Covering.....	6.64	0.94
09 72 13 00-0005	SF	3/4" Cork Wall Covering.....	8.74	0.94

**09 72 16 Vinyl-Coated Fabric Wall Coverings (09 72)**

**09 72 16 13 Flexible Vinyl Wall Coverings (09 72 16)**

**09 72 16 13-0001 Vinyl Wall Coverings (09 72 16 13)**

Note: Includes wall preparation adhesive, and sizing compound. Demolition includes the removal of wall covering and adhesive.				
09 72 16 13-0002	SF	7-10 Oz/SY Vinyl Wall Covering .....	3.10	0.94
<i>For Owner Furnished Material, Deduct</i> -1.63				
09 72 16 13-0003	SF	11-14 Oz/SY Vinyl Wall Covering .....	3.94	0.94
<i>For Owner Furnished Material, Deduct</i> -2.37				
09 72 16 13-0004	SF	15-19 Oz/SY Vinyl Wall Covering .....	4.54	0.94
<i>For Owner Furnished Material, Deduct</i> -2.97				
09 72 16 13-0005	SF	20 To 25 Ounces/SY Vinyl Wall Covering.....	5.40	0.94
<i>For Owner Furnished Material, Deduct</i> -3.43				
09 72 16 13-0006	SF	26-32 Oz/SY Vinyl Wall Covering .....	6.23	0.94
<i>For Owner Furnished Material, Deduct</i> -4.17				
09 72 16 13-0007	SF	33-38 Oz/SY Vinyl Wall Covering .....	7.42	0.94
<i>For Owner Furnished Material, Deduct</i> -5.27				

**09 72 19 Textile Wall Coverings (09 72)**

**09 72 19 00-0001 Wall Fabrics (09 72 19)**

09 72 19 00-0002	SF	Install Owner Furnished Wall Covering Fabrics, Non-Patterned Or Repeating Pattern .....	2.52	0.94
09 72 19 00-0003	SF	Install Owner Furnished Wall Covering Fabrics, Patterned.....	3.54	0.94

**09 72 23 Wallpapering (09 72)**

**09 72 23 00-0001 Wallpaper Coverings (09 72 23)**

Note: Includes wall preparation adhesive, and sizing compound. Demolition includes the removal of wall covering and adhesive.				
09 72 23 00-0002	SF	Average Quality Wallpaper (Standard Grade) .....	2.27	1.25





<b>09 84 13 00-0012</b>	<b>Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System</b> <b>(Armstrong® Soundsoak®)</b> <small>(09 84 13 00-0004)</small>	
	Note: Includes molding and mounting hardware for flush mount.	
09 84 13 00-0013	SF	1" Panel Thickness, Composed Fabric Surface (Non-Woven), Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Rhythms®)..... 14.63
09 84 13 00-0014	SF	1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 FR-701) ..... 16.98
09 84 13 00-0015	SF	1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Lido™) ..... 16.98
09 84 13 00-0016	SF	1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Spinel™) ..... 19.33
09 84 13 00-0017	SF	1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Zirconia™) ..... 19.33

<b>09 84 13 00-0018</b>	<b>Sound Absorbing Panel, Eggcrate Style</b> <small>(09 84 13)</small>	
	Note: Ceiling or wall hung back.	
09 84 13 00-0019	SF	2" Thick Polyurethane Sound Wave (Eggcrate Style)..... 10.01
		For Pyramid Style, Add ..... 1.18
09 84 13 00-0020	SF	3" Thick Polyurethane Sound Wave (Eggcrate Style)..... 12.96
		For Pyramid Style, Add ..... 1.18
09 84 13 00-0021	SF	4" Thick Polyurethane Sound Wave (Eggcrate Style)..... 16.58
		For Pyramid Style, Add ..... 1.18
09 84 13 00-0022	SF	2" Thick Melamine Sound Wave (Eggcrate Style) ..... 12.56
		For Eggcrate Style With Hypalon Coating, Add ..... 1.97
		For Pyramid Style, Add ..... 2.05
		For Pyramid Style With Hypalon Coating, Add ..... 4.02
09 84 13 00-0023	SF	3" Thick Melamine Sound Wave (Eggcrate Style) ..... 24.10
		For Eggcrate Style With Hypalon Coating, Add ..... 1.97
		For Pyramid Style, Add ..... 0.42
		For Pyramid Style With Hypalon Coating, Add ..... 2.40
09 84 13 00-0024	SF	4" Thick Melamine Sound Wave (Eggcrate Style) ..... 30.55
		For Eggcrate Style With Hypalon Coating, Add ..... 1.97
		For Pyramid Style, Add ..... 0.42
		For Pyramid Style With Hypalon Coating, Add ..... 2.40

<b>09 84 13 00-0025</b>	<b>Sound Deadening Fiberboard</b> <small>(09 84 13)</small>	
09 84 13 00-0026	SF	1/2" Sound Deadening Fiberboard..... 2.38
		For Horizontal Installation Up To 10' High, Add ..... 0.34
		For Horizontal Installation >10' High, Add ..... 0.51
		For Walls >10' High, Add ..... 0.08
		For Up To 128, Add ..... 0.68
		For >128 To 320, Add ..... 0.39

**09 90 Painting and Coating** (09)

Note: Includes masking, safety signs, cleaning of area (dry wiping down walls, floors, doors, etc.), removal of loose paint (paint, caulk, etc.), feathering rough edges, sanding between coats, protective work to contain dust and paint splatters (drop cloths), unless otherwise noted, removal and reinstallation of cabinet hardware, switch covers and outlet plates, equipment to place paint and ladders. New construction work additionally includes filling knots, divots, depressions, holes (screw and nail holes in drywall to 1/4" diameter of unlimited quantity). All work designated as "brush/roller" includes brush work for cut and roller work up to cut in. See CSI section 01 56 16 00-0001 for temporary plastic sheeting to protect existing equipment or materials, 07 92 00 00-0000 for caulking where required, 09 01 20 00-0000 for severely damaged surface preparation in excess of items included above, hand scrape, pressure washing and chemical cleaning where required, 09 29 10 00-0037 for finishing existing wall surfaces or small holes not requiring patching in excess of items included above.

**09 91 Painting** (09 90)

Note: (Sherwin Williams)

**09 91 13 Exterior Painting** (09 91)

Note: Acrylic latex paint unless otherwise stated. Paint tasks covers all paint sheens: flat, eggshell, satin, semi-gloss, or gloss.

<b>09 91 13 00-0001</b>	<b>Paint Exterior Walls/Siding</b> <small>(09 91 13)</small>	
<b>09 91 13 00-0002</b>	<b>Paint Exterior Brick Walls</b> <small>(09 91 13 00-0001)</small>	
09 91 13 00-0003	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Brick Walls..... 0.23
		For Oil Based Paint, Add ..... 0.01
		For Work >15' To 20' Above Floor, Add ..... 0.03
		Note: Applied only to work area above 15' to 20'.
		For Work >20' To 30' Above Floor, Add ..... 0.05
		Note: Applied only to work area above 20'.
		For Work >30' To 40' Above Floor, Add ..... 0.08
		Note: Applied only to work area above 30' to 40'.
		For Work >40' Above Floor, Add ..... 0.11
		Note: Applied only to work area above 40'.
		For Up To 100, Add ..... 0.15
		For >100 To 250, Add ..... 0.07
		For >250 To 500, Add ..... 0.03
		For >500 To 10,000, Deduct ..... -0.01
		For >10,000 To 20,000, Deduct ..... -0.02
		For >20,000, Deduct ..... -0.03

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0004	SF		1 Coat Filler, Brush Work, Paint Exterior Brick Walls.....	0.99	
			<i>For Oil Based Paint, Add</i>	0.06	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.12	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.21	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.33	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.46	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.65	
			<i>For &gt;100 To 250, Add</i>	0.31	
			<i>For &gt;250 To 500, Add</i>	0.13	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.10	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.15	
			<i>For &gt;20,000, Deduct</i>	-0.20	
09 91 13 00-0005	SF		1 Coat Paint, Brush Work, Paint Exterior Brick Walls.....	1.44	
			<i>For Oil Based Paint, Add</i>	0.08	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.19	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.31	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.50	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.69	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.97	
			<i>For &gt;100 To 250, Add</i>	0.46	
			<i>For &gt;250 To 500, Add</i>	0.20	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.07	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.14	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.22	
			<i>For &gt;20,000, Deduct</i>	-0.29	
09 91 13 00-0006	SF		2 Coats Paint, Brush Work, Paint Exterior Brick Walls.....	2.05	
			<i>For Oil Based Paint, Add</i>	0.12	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.25	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.42	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.67	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.92	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	1.31	
			<i>For &gt;100 To 250, Add</i>	0.62	
			<i>For &gt;250 To 500, Add</i>	0.27	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.10	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.21	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.31	
			<i>For &gt;20,000, Deduct</i>	-0.41	
09 91 13 00-0007	SF		1 Coat Filler, Brush/Roller Work, Paint Exterior Brick Walls.....	0.66	
			<i>For Oil Based Paint, Add</i>	0.04	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.08	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.13	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.20	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.28	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.40	
			<i>For &gt;100 To 250, Add</i>	0.19	
			<i>For &gt;250 To 500, Add</i>	0.08	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.03	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.07	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.10	
			<i>For &gt;20,000, Deduct</i>	-0.13	
09 91 13 00-0008	SF		1 Coat Paint, Brush/Roller Work, Paint Exterior Brick Walls.....	1.09	
			<i>For Oil Based Paint, Add</i>	0.07	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.13	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.21	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.34	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.47	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.67	
			<i>For &gt;100 To 250, Add</i>	0.32	
			<i>For &gt;250 To 500, Add</i>	0.14	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.11	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.16	
			<i>For &gt;20,000, Deduct</i>	-0.22	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 13 00-0009	SF		2 Coats Paint, Brush/Roller Work, Paint Exterior Brick Walls.....	1.60	
			For Oil Based Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.18	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.29	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.47	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.64	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.94	
			For >100 To 250, Add	0.45	
			For >250 To 500, Add	0.20	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.16	
			For >10,000 To 20,000, Deduct	-0.24	
			For >20,000, Deduct	-0.32	
09 91 13 00-0010	SF		1 Coat Filler, Sprayed, Paint Exterior Brick Walls.....	0.59	
			For Oil Based Paint, Add	0.04	
			For Work >15' To 20' Above Floor, Add	0.06	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.10	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.16	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.22	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.33	
			For >100 To 250, Add	0.16	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91 13 00-0011	SF		1 Coat Paint, Sprayed, Paint Exterior Brick Walls.....	0.58	
			For Oil Based Paint, Add	0.04	
			For Work >15' To 20' Above Floor, Add	0.05	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.08	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.12	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.17	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.27	
			For >100 To 250, Add	0.14	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91 13 00-0012	SF		2 Coats Paint, Sprayed, Paint Exterior Brick Walls.....	1.27	
			For Oil Based Paint, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.20	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.32	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.45	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.68	
			For >100 To 250, Add	0.33	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.25	

**09 91 13 00-0013 Paint Exterior Concrete Walls** (09 91 13 00-0001)

09 91 13 00-0014	LF		1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Walls.....	0.16	
			For Oil Based Paint, Add	0.01	
			For Epoxy Paint, Add	0.01	
			For Work >15' To 20' Above Floor, Add	0.02	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.04	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.06	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.08	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.11	
			For >100 To 250, Add	0.05	
			For >250 To 500, Add	0.02	
			For >2,500 To 5,000, Deduct	-0.01	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 20,000, Deduct	-0.02	
			For >20,000, Deduct	-0.03	

## 09 Finishes

## 09 90 Painting and Coating

## 09 91 Painting

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91	13 00-0015	SF	1 Coat Filler, Brush Work, Paint Exterior Concrete Walls .....	0.85	
			For Oil Based Paint, Add	0.05	
			For Epoxy Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.18	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.28	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.39	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.55	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.17	
09 91	13 00-0016	SF	1 Coat Filler, Brush Work, Paint Exterior Concrete Walls .....	0.93	
			For Oil Based Paint, Add	0.05	
			For Epoxy Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.21	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.33	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.45	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.63	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.19	
09 91	13 00-0017	SF	2 Coats Paint, Brush Work, Paint Exterior Concrete Walls .....	1.75	
			For Oil Based Paint, Add	0.10	
			For Epoxy Paint, Add	0.15	
			For Work >15' To 20' Above Floor, Add	0.23	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.38	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.61	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.84	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.18	
			For >100 To 250, Add	0.56	
			For >250 To 500, Add	0.24	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.18	
			For >10,000 To 20,000, Deduct	-0.26	
			For >20,000, Deduct	-0.35	
09 91	13 00-0018	SF	1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Walls .....	0.69	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.14	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.22	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.30	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.43	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.14	
09 91	13 00-0019	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Walls .....	0.78	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.10	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.17	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.27	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.37	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.52	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 13 00-0020	SF			2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Walls.....	1.31	
				For Oil Based Paint, Add	0.08	
				For Epoxy Paint, Add	0.13	
				For Work >15' To 20' Above Floor, Add	0.16	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.27	
				Note: Applied only to work area above 20'.		
				For Work >30' To 40' Above Floor, Add	0.44	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.60	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.85	
				For >100 To 250, Add	0.40	
				For >250 To 500, Add	0.17	
				For >2,500 To 5,000, Deduct	-0.07	
				For >5,000 To 10,000, Deduct	-0.13	
				For >10,000 To 20,000, Deduct	-0.20	
				For >20,000, Deduct	-0.26	
09 91 13 00-0021	SF			1 Coat Filler, Sprayed, Paint Exterior Concrete Walls .....	0.53	
				For Oil Based Paint, Add	0.03	
				For Epoxy Paint, Add	0.07	
				For Work >15' To 20' Above Floor, Add	0.06	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.09	
				Note: Applied only to work area above 20'.		
				For Work >30' To 40' Above Floor, Add	0.15	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.20	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.30	
				For >100 To 250, Add	0.15	
				For >250 To 500, Add	0.06	
				For >2,500 To 5,000, Deduct	-0.03	
				For >5,000 To 10,000, Deduct	-0.05	
				For >10,000 To 20,000, Deduct	-0.08	
				For >20,000, Deduct	-0.11	
09 91 13 00-0022	SF			1 Coat Paint, Sprayed, Paint Exterior Concrete Walls .....	0.50	
				For Oil Based Paint, Add	0.03	
				For Epoxy Paint, Add	0.07	
				For Work >15' To 20' Above Floor, Add	0.05	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.09	
				Note: Applied only to work area above 20'.		
				For Work >30' To 40' Above Floor, Add	0.14	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.20	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.29	
				For >100 To 250, Add	0.14	
				For >250 To 500, Add	0.06	
				For >2,500 To 5,000, Deduct	-0.03	
				For >5,000 To 10,000, Deduct	-0.05	
				For >10,000 To 20,000, Deduct	-0.08	
				For >20,000, Deduct	-0.10	
09 91 13 00-0023	SF			2 Coats Paint, Sprayed, Paint Exterior Concrete Walls .....	0.85	
				For Oil Based Paint, Add	0.06	
				For Epoxy Paint, Add	0.12	
				For Work >15' To 20' Above Floor, Add	0.09	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.15	
				Note: Applied only to work area above 20'.		
				For Work >30' To 40' Above Floor, Add	0.23	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.32	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.48	
				For >100 To 250, Add	0.23	
				For >250 To 500, Add	0.10	
				For >2,500 To 5,000, Deduct	-0.04	
				For >5,000 To 10,000, Deduct	-0.09	
				For >10,000 To 20,000, Deduct	-0.13	
				For >20,000, Deduct	-0.17	

09 91 13 00-0024 Paint Exterior Concrete Block Walls (09 91 13 00-0001)

09 91 13 00-0025 Paint Exterior Concrete Block Walls, Epoxy Paint (09 91 13 00-0024)

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0026	LF 1 Coat Epoxy Paint, Cut-in Brush Work, Paint Exterior Concrete Block Walls.....	0.22	
	For Work >15' To 20' Above Floor, Add	0.03	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.05	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.07	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.10	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.14	
	For >100 To 250, Add	0.07	
	For >250 To 500, Add	0.03	
	For >2,500 To 5,000, Deduct	-0.01	
	For >5,000 To 10,000, Deduct	-0.02	
	For >10,000 To 20,000, Deduct	-0.03	
	For >20,000, Deduct	-0.04	
09 91 13 00-0027	SF 1 Coat Epoxy Filler, Brush Work, Paint Exterior Concrete Block Walls.....	1.17	
	For Work >15' To 20' Above Floor, Add	0.14	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.23	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.37	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.51	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.73	
	For >100 To 250, Add	0.35	
	For >250 To 500, Add	0.15	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.12	
	For >10,000 To 20,000, Deduct	-0.18	
	For >20,000, Deduct	-0.23	
09 91 13 00-0028	SF 1 Coat Epoxy Paint, Brush Work, Paint Exterior Concrete Block Walls.....	1.35	
	For Work >15' To 20' Above Floor, Add	0.17	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.28	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.44	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.61	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.87	
	For >100 To 250, Add	0.41	
	For >250 To 500, Add	0.18	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.14	
	For >10,000 To 20,000, Deduct	-0.20	
	For >20,000, Deduct	-0.27	
09 91 13 00-0029	SF 2 Coats Epoxy Paint, Brush Work, Paint Exterior Concrete Block Walls.....	2.35	
	For Work >15' To 20' Above Floor, Add	0.28	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.47	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.74	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	1.02	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.47	
	For >100 To 250, Add	0.70	
	For >250 To 500, Add	0.30	
	For >2,500 To 5,000, Deduct	-0.12	
	For >5,000 To 10,000, Deduct	-0.24	
	For >10,000 To 20,000, Deduct	-0.35	
	For >20,000, Deduct	-0.47	
09 91 13 00-0030	SF 1 Coat Epoxy Filler, Brush/Roller Work, Paint Exterior Concrete Block Walls.....	0.95	
	For Work >15' To 20' Above Floor, Add	0.11	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.18	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.28	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.39	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.57	
	For >100 To 250, Add	0.27	
	For >250 To 500, Add	0.12	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.10	
	For >10,000 To 20,000, Deduct	-0.14	
	For >20,000, Deduct	-0.19	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 13 00-0031	SF			1 Coat Epoxy Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls.....	1.06	
				For Work >15' To 20' Above Floor, Add	0.12	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.21	
				Note: Applied only to work area above 20'.		
				For Work >30' To 40' Above Floor, Add	0.33	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.45	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.65	
				For >100 To 250, Add	0.31	
				For >250 To 500, Add	0.14	
				For >2,500 To 5,000, Deduct	-0.05	
				For >5,000 To 10,000, Deduct	-0.11	
				For >10,000 To 20,000, Deduct	-0.16	
				For >20,000, Deduct	-0.21	
09 91 13 00-0032	SF			2 Coats Epoxy Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls.....	1.87	
				For Work >15' To 20' Above Floor, Add	0.21	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.35	
				Note: Applied only to work area above 20'.		
				For Work >30' To 40' Above Floor, Add	0.55	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.76	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	1.11	
				For >100 To 250, Add	0.53	
				For >250 To 500, Add	0.23	
				For >2,500 To 5,000, Deduct	-0.09	
				For >5,000 To 10,000, Deduct	-0.19	
				For >10,000 To 20,000, Deduct	-0.28	
				For >20,000, Deduct	-0.37	
09 91 13 00-0033	SF			1 Coat Epoxy Filler, Sprayed, Paint Exterior Concrete Block Walls.....	0.69	
				For Work >15' To 20' Above Floor, Add	0.06	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.10	
				Note: Applied only to work area above 20'.		
				For Work >30' To 40' Above Floor, Add	0.16	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.21	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.34	
				For >100 To 250, Add	0.17	
				For >250 To 500, Add	0.07	
				For >2,500 To 5,000, Deduct	-0.03	
				For >5,000 To 10,000, Deduct	-0.07	
				For >10,000 To 20,000, Deduct	-0.10	
				For >20,000, Deduct	-0.14	
09 91 13 00-0034	SF			1 Coat Epoxy Paint, Sprayed, Paint Exterior Concrete Block Walls.....	0.77	
				For Work >15' To 20' Above Floor, Add	0.07	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.12	
				Note: Applied only to work area above 20'.		
				For Work >30' To 40' Above Floor, Add	0.19	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.26	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.40	
				For >100 To 250, Add	0.19	
				For >250 To 500, Add	0.09	
				For >2,500 To 5,000, Deduct	-0.04	
				For >5,000 To 10,000, Deduct	-0.08	
				For >10,000 To 20,000, Deduct	-0.12	
				For >20,000, Deduct	-0.15	
09 91 13 00-0035	SF			2 Coats Epoxy Paint, Sprayed, Paint Exterior Concrete Block Walls.....	1.49	
				For Work >15' To 20' Above Floor, Add	0.13	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.22	
				Note: Applied only to work area above 20'.		
				For Work >30' To 40' Above Floor, Add	0.35	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.48	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.75	
				For >100 To 250, Add	0.37	
				For >250 To 500, Add	0.16	
				For >2,500 To 5,000, Deduct	-0.07	
				For >5,000 To 10,000, Deduct	-0.15	
				For >10,000 To 20,000, Deduct	-0.22	
				For >20,000, Deduct	-0.30	

09 91 13 00-0036 Paint Exterior Concrete Block Walls, Acrylic Latex Paint (09 91 13 00-0024)

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0037	LF 1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Block Walls.....	0.22	
	For Oil Based Paint, Add	0.01	
	For Work >15' To 20' Above Floor, Add	0.03	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.05	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.07	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.10	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.14	
	For >100 To 250, Add	0.07	
	For >250 To 500, Add	0.03	
	For >2,500 To 5,000, Deduct	-0.01	
	For >5,000 To 10,000, Deduct	-0.02	
	For >10,000 To 20,000, Deduct	-0.03	
	For >20,000, Deduct	-0.04	
09 91 13 00-0038	SF 1 Coat Filler, Brush Work, Paint Exterior Concrete Block Walls.....	1.09	
	For Oil Based Paint, Add	0.06	
	For Work >15' To 20' Above Floor, Add	0.14	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.23	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.37	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.51	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.72	
	For >100 To 250, Add	0.34	
	For >250 To 500, Add	0.15	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.11	
	For >10,000 To 20,000, Deduct	-0.16	
	For >20,000, Deduct	-0.22	
09 91 13 00-0039	SF 1 Coat Paint, Brush Work, Paint Exterior Concrete Block Walls.....	1.29	
	For Oil Based Paint, Add	0.08	
	For Work >15' To 20' Above Floor, Add	0.16	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.27	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.43	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.59	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.84	
	For >100 To 250, Add	0.40	
	For >250 To 500, Add	0.17	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.13	
	For >10,000 To 20,000, Deduct	-0.19	
	For >20,000, Deduct	-0.26	
09 91 13 00-0040	SF 2 Coats Paint, Brush Work, Paint Exterior Concrete Block Walls.....	2.34	
	For Oil Based Paint, Add	0.14	
	For Work >15' To 20' Above Floor, Add	0.29	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.48	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.76	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	1.05	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.50	
	For >100 To 250, Add	0.71	
	For >250 To 500, Add	0.31	
	For >2,500 To 5,000, Deduct	-0.12	
	For >5,000 To 10,000, Deduct	-0.23	
	For >10,000 To 20,000, Deduct	-0.35	
	For >20,000, Deduct	-0.47	
09 91 13 00-0041	SF Texture Coat, Brush Work, Paint Exterior Concrete Block Walls.....	1.43	
	For Oil Based Paint, Add	0.08	
	For Work >15' To 20' Above Floor, Add	0.18	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.30	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.48	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.65	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.93	
	For >100 To 250, Add	0.44	
	For >250 To 500, Add	0.19	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.14	
	For >10,000 To 20,000, Deduct	-0.21	
	For >20,000, Deduct	-0.29	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 13 00-0042	SF 1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Block Walls.....	0.85
	For Oil Based Paint, Add	0.05
	For Work >15' To 20' Above Floor, Add	0.10
	Note: Applied only to work area above 15' to 20'.	
	For Work >20' To 30' Above Floor, Add	0.17
	Note: Applied only to work area above 20'.	
	For Work >30' To 40' Above Floor, Add	0.28
	Note: Applied only to work area above 30' to 40'.	
	For Work >40' Above Floor, Add	0.38
	Note: Applied only to work area above 40'.	
	For Up To 100, Add	0.54
	For >100 To 250, Add	0.26
	For >250 To 500, Add	0.11
	For >2,500 To 5,000, Deduct	-0.04
	For >5,000 To 10,000, Deduct	-0.09
	For >10,000 To 20,000, Deduct	-0.13
	For >20,000, Deduct	-0.17
09 91 13 00-0043	SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls.....	1.09
	For Oil Based Paint, Add	0.07
	For Work >15' To 20' Above Floor, Add	0.13
	Note: Applied only to work area above 15' to 20'.	
	For Work >20' To 30' Above Floor, Add	0.22
	Note: Applied only to work area above 20'.	
	For Work >30' To 40' Above Floor, Add	0.35
	Note: Applied only to work area above 30' to 40'.	
	For Work >40' Above Floor, Add	0.48
	Note: Applied only to work area above 40'.	
	For Up To 100, Add	0.69
	For >100 To 250, Add	0.33
	For >250 To 500, Add	0.14
	For >2,500 To 5,000, Deduct	-0.05
	For >5,000 To 10,000, Deduct	-0.11
	For >10,000 To 20,000, Deduct	-0.16
	For >20,000, Deduct	-0.22
09 91 13 00-0044	SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls.....	1.85
	For Oil Based Paint, Add	0.11
	For Work >15' To 20' Above Floor, Add	0.21
	Note: Applied only to work area above 15' to 20'.	
	For Work >20' To 30' Above Floor, Add	0.36
	Note: Applied only to work area above 20'.	
	For Work >30' To 40' Above Floor, Add	0.57
	Note: Applied only to work area above 30' to 40'.	
	For Work >40' Above Floor, Add	0.78
	Note: Applied only to work area above 40'.	
	For Up To 100, Add	1.13
	For >100 To 250, Add	0.54
	For >250 To 500, Add	0.23
	For >2,500 To 5,000, Deduct	-0.09
	For >5,000 To 10,000, Deduct	-0.19
	For >10,000 To 20,000, Deduct	-0.28
	For >20,000, Deduct	-0.37
09 91 13 00-0045	SF Texture Coat, Brush/Roller Work, Paint Exterior Concrete Block Walls.....	1.21
	For Oil Based Paint, Add	0.07
	For Work >15' To 20' Above Floor, Add	0.15
	Note: Applied only to work area above 15' to 20'.	
	For Work >20' To 30' Above Floor, Add	0.24
	Note: Applied only to work area above 20'.	
	For Work >30' To 40' Above Floor, Add	0.39
	Note: Applied only to work area above 30' to 40'.	
	For Work >40' Above Floor, Add	0.53
	Note: Applied only to work area above 40'.	
	For Up To 100, Add	0.76
	For >100 To 250, Add	0.36
	For >250 To 500, Add	0.16
	For >2,500 To 5,000, Deduct	-0.06
	For >5,000 To 10,000, Deduct	-0.12
	For >10,000 To 20,000, Deduct	-0.18
	For >20,000, Deduct	-0.24
09 91 13 00-0046	SF 1 Coat Filler, Sprayed, Paint Exterior Concrete Block Walls.....	0.75
	For Oil Based Paint, Add	0.05
	For Work >15' To 20' Above Floor, Add	0.08
	Note: Applied only to work area above 15' to 20'.	
	For Work >20' To 30' Above Floor, Add	0.13
	Note: Applied only to work area above 20'.	
	For Work >30' To 40' Above Floor, Add	0.21
	Note: Applied only to work area above 30' to 40'.	
	For Work >40' Above Floor, Add	0.29
	Note: Applied only to work area above 40'.	
	For Up To 100, Add	0.43
	For >100 To 250, Add	0.21
	For >250 To 500, Add	0.09
	For >2,500 To 5,000, Deduct	-0.04
	For >5,000 To 10,000, Deduct	-0.08
	For >10,000 To 20,000, Deduct	-0.11
	For >20,000, Deduct	-0.15

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

09 91 13 00-0047	SF	1 Coat Paint, Sprayed, Paint Exterior Concrete Block Walls .....	0.78
		For Oil Based Paint, Add	0.05
		For Work >15' To 20' Above Floor, Add	0.08
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.13
		Note: Applied only to work area above 20'.	
		For Work >30' To 40' Above Floor, Add	0.20
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.28
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.42
		For >100 To 250, Add	0.21
		For >250 To 500, Add	0.09
		For >2,500 To 5,000, Deduct	-0.04
		For >5,000 To 10,000, Deduct	-0.08
		For >10,000 To 20,000, Deduct	-0.12
		For >20,000, Deduct	-0.16
09 91 13 00-0048	SF	2 Coats Paint, Sprayed, Paint Exterior Concrete Block Walls.....	1.23
		For Oil Based Paint, Add	0.08
		For Work >15' To 20' Above Floor, Add	0.14
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.23
		Note: Applied only to work area above 20'.	
		For Work >30' To 40' Above Floor, Add	0.36
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.50
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.72
		For >100 To 250, Add	0.35
		For >250 To 500, Add	0.15
		For >2,500 To 5,000, Deduct	-0.06
		For >5,000 To 10,000, Deduct	-0.12
		For >10,000 To 20,000, Deduct	-0.18
		For >20,000, Deduct	-0.25
09 91 13 00-0049	SF	Texture Coat, Sprayed, Paint Exterior Concrete Block Walls .....	1.00
		For Oil Based Paint, Add	0.07
		For Work >15' To 20' Above Floor, Add	0.10
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.17
		Note: Applied only to work area above 20'.	
		For Work >30' To 40' Above Floor, Add	0.27
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.37
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.56
		For >100 To 250, Add	0.27
		For >250 To 500, Add	0.12
		For >2,500 To 5,000, Deduct	-0.05
		For >5,000 To 10,000, Deduct	-0.10
		For >10,000 To 20,000, Deduct	-0.15
		For >20,000, Deduct	-0.20
<b>09 91 13 00-0050</b>		<b>Paint Exterior Drywall/Plaster Walls <small>(09 91 13 00-0001)</small></b>	
09 91 13 00-0051	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Drywall/Plaster Walls .....	0.16
		For Oil Based Paint, Add	0.01
		For Work >15' To 20' Above Floor, Add	0.02
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.04
		Note: Applied only to work area above 20'.	
		For Work >30' To 40' Above Floor, Add	0.06
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.08
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.11
		For >100 To 250, Add	0.05
		For >250 To 500, Add	0.02
		For >2,500 To 5,000, Deduct	-0.01
		For >5,000 To 10,000, Deduct	-0.02
		For >10,000 To 20,000, Deduct	-0.02
		For >20,000, Deduct	-0.03
		For Epoxy Paint, Add	0.01
09 91 13 00-0052	SF	1 Coat Primer, Brush Work, Paint Exterior Drywall/Plaster Wall.....	0.88
		For Oil Based Paint, Add	0.05
		For Orange Peel Finish, Add	0.12
		For Work >15' To 20' Above Floor, Add	0.11
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.19
		Note: Applied only to work area above 20'.	
		For Work >30' To 40' Above Floor, Add	0.30
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.41
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.58
		For >100 To 250, Add	0.27
		For >250 To 500, Add	0.12
		For >2,500 To 5,000, Deduct	-0.04
		For >5,000 To 10,000, Deduct	-0.09
		For >10,000 To 20,000, Deduct	-0.13
		For >20,000, Deduct	-0.18
		For Epoxy Paint, Add	0.09



MINOR	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 13 00-0053	SF	1 Coat Paint, Brush Work, Paint Exterior Drywall/Plaster Walls .....	0.96	
		For Oil Based Paint, Add	0.05	
		For Orange Peel Finish, Add	0.14	
		For Work >15' To 20' Above Floor, Add	0.13	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.21	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.34	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.47	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.65	
		For >100 To 250, Add	0.31	
		For >250 To 500, Add	0.13	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.10	
		For >10,000 To 20,000, Deduct	-0.14	
		For >20,000, Deduct	-0.19	
		For Epoxy Paint, Add	0.08	
09 91 13 00-0054	SF	2 Coats Paint, Brush Work, Paint Exterior Drywall/Plaster Walls.....	1.76	
		For Oil Based Paint, Add	0.10	
		For Orange Peel Finish, Add	0.25	
		For Work >15' To 20' Above Floor, Add	0.23	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.39	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.62	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.85	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.19	
		For >100 To 250, Add	0.56	
		For >250 To 500, Add	0.24	
		For >2,500 To 5,000, Deduct	-0.09	
		For >5,000 To 10,000, Deduct	-0.18	
		For >10,000 To 20,000, Deduct	-0.26	
		For >20,000, Deduct	-0.35	
		For Epoxy Paint, Add	0.15	
09 91 13 00-0055	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Drywall/Plaster Walls.....	0.69	
		For Oil Based Paint, Add	0.04	
		For Orange Peel Finish, Add	0.09	
		For Work >15' To 20' Above Floor, Add	0.08	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.14	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.22	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.30	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.43	
		For >100 To 250, Add	0.21	
		For >250 To 500, Add	0.09	
		For >2,500 To 5,000, Deduct	-0.03	
		For >5,000 To 10,000, Deduct	-0.07	
		For >10,000 To 20,000, Deduct	-0.10	
		For >20,000, Deduct	-0.14	
		For Epoxy Paint, Add	0.08	
09 91 13 00-0056	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Walls.....	0.70	
		For Oil Based Paint, Add	0.04	
		For Orange Peel Finish, Add	0.10	
		For Work >15' To 20' Above Floor, Add	0.09	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.15	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.24	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.32	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.46	
		For >100 To 250, Add	0.22	
		For >250 To 500, Add	0.09	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.07	
		For >10,000 To 20,000, Deduct	-0.11	
		For >20,000, Deduct	-0.14	
		For Epoxy Paint, Add	0.07	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0057	SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Walls .....	1.28	
	For Oil Based Paint, Add	0.08	
	For Orange Peel Finish, Add	0.18	
	For Work >15' To 20' Above Floor, Add	0.16	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.27	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.42	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.58	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.83	
	For >100 To 250, Add	0.39	
	For >250 To 500, Add	0.17	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.13	
	For >10,000 To 20,000, Deduct	-0.19	
	For >20,000, Deduct	-0.26	
	For Epoxy Paint, Add	0.13	
09 91 13 00-0058	SF 1 Coat Primer, Sprayed, Paint Exterior Drywall/Plaster Walls .....	0.53	
	For Oil Based Paint, Add	0.03	
	For Work >15' To 20' Above Floor, Add	0.06	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.09	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.15	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.20	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.30	
	For >100 To 250, Add	0.15	
	For >250 To 500, Add	0.06	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.05	
	For >10,000 To 20,000, Deduct	-0.08	
	For >20,000, Deduct	-0.11	
	For Epoxy Paint, Add	0.07	
09 91 13 00-0059	SF 1 Coat Paint, Sprayed, Paint Exterior Drywall/Plaster Walls .....	0.58	
	For Oil Based Paint, Add	0.04	
	For Work >15' To 20' Above Floor, Add	0.07	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.11	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.18	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.24	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.35	
	For >100 To 250, Add	0.17	
	For >250 To 500, Add	0.07	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.06	
	For >10,000 To 20,000, Deduct	-0.09	
	For >20,000, Deduct	-0.12	
	For Epoxy Paint, Add	0.07	
09 91 13 00-0060	SF 2 Coats Paint, Sprayed, Paint Exterior Drywall/Plaster Walls .....	0.94	
	For Oil Based Paint, Add	0.06	
	For Work >15' To 20' Above Floor, Add	0.10	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.17	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.27	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.37	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.54	
	For >100 To 250, Add	0.26	
	For >250 To 500, Add	0.11	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.14	
	For >20,000, Deduct	-0.19	
	For Epoxy Paint, Add	0.13	

09 91 13 00-0061 Paint Exterior Metal Walls (09 91 13 00-0001)

09 91 13 00-0062 Paint Exterior Galvanized Walls (09 91 13 00-0061)  
 Note: Linseed oil or acrylic latex paint.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 13 00-0063	SF	1	Coat Primer, Brush Work, Paint Exterior Galvanized Wall Surfaces.....	1.12	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.12	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.21	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.33	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.46	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.67	
			<i>For &gt;100 To 250, Add</i>	0.32	
			<i>For &gt;250 To 500, Add</i>	0.14	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.06	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.11	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.17	
			<i>For &gt;20,000, Deduct</i>	-0.22	
09 91 13 00-0064	SF	1	Coat Paint, Brush Work, Paint Exterior Galvanized Wall Surfaces.....	1.24	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.14	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.24	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.38	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.52	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.76	
			<i>For &gt;100 To 250, Add</i>	0.36	
			<i>For &gt;250 To 500, Add</i>	0.16	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.06	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.12	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.19	
			<i>For &gt;20,000, Deduct</i>	-0.25	
09 91 13 00-0065	SF	2	Coats Paint, Brush Work, Paint Exterior Galvanized Wall Surfaces.....	2.25	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.25	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.42	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.67	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.92	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	1.34	
			<i>For &gt;100 To 250, Add</i>	0.64	
			<i>For &gt;250 To 500, Add</i>	0.28	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.11	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.23	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.34	
			<i>For &gt;20,000, Deduct</i>	-0.45	
09 91 13 00-0066	SF	1	Coat Primer, Brush/Roller Work, Paint Exterior Galvanized Walls.....	0.84	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.09	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.15	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.24	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.33	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.49	
			<i>For &gt;100 To 250, Add</i>	0.23	
			<i>For &gt;250 To 500, Add</i>	0.10	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.08	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.13	
			<i>For &gt;20,000, Deduct</i>	-0.17	
09 91 13 00-0067	SF	1	Coat Paint, Brush/Roller Work, Paint Exterior Galvanized Walls.....	0.97	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.11	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.18	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.29	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.40	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.58	
			<i>For &gt;100 To 250, Add</i>	0.28	
			<i>For &gt;250 To 500, Add</i>	0.12	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.10	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.15	
			<i>For &gt;20,000, Deduct</i>	-0.19	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0068	SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Galvanized Walls ..... <i>For Work &gt;15' To 20' Above Floor, Add</i> <i>Note: Applied only to work area above 15' to 20'.</i> <i>For Work &gt;20' To 30' Above Floor, Add</i> <i>Note: Applied only to work area above 20'.</i> <i>For Work &gt;30' To 40' Above Floor, Add</i> <i>Note: Applied only to work area above 30' to 40'.</i> <i>For Work &gt;40' Above Floor, Add</i> <i>Note: Applied only to work area above 40'.</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 250, Add</i> <i>For &gt;250 To 500, Add</i> <i>For &gt;2,500 To 5,000, Deduct</i> <i>For &gt;5,000 To 10,000, Deduct</i> <i>For &gt;10,000 To 20,000, Deduct</i> <i>For &gt;20,000, Deduct</i>	1.81 0.20 0.33 0.52 0.72 1.06 0.51 0.22 -0.09 -0.18 -0.27 -0.36	
09 91 13 00-0069	SF 1 Coat Primer, Sprayed, Paint Exterior Galvanized Walls ..... <i>For Work &gt;15' To 20' Above Floor, Add</i> <i>Note: Applied only to work area above 15' to 20'.</i> <i>For Work &gt;20' To 30' Above Floor, Add</i> <i>Note: Applied only to work area above 20'.</i> <i>For Work &gt;30' To 40' Above Floor, Add</i> <i>Note: Applied only to work area above 30' to 40'.</i> <i>For Work &gt;40' Above Floor, Add</i> <i>Note: Applied only to work area above 40'.</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 250, Add</i> <i>For &gt;250 To 500, Add</i> <i>For &gt;2,500 To 5,000, Deduct</i> <i>For &gt;5,000 To 10,000, Deduct</i> <i>For &gt;10,000 To 20,000, Deduct</i> <i>For &gt;20,000, Deduct</i>	0.66 0.05 0.08 0.13 0.18 0.30 0.15 0.07 -0.03 -0.07 -0.10 -0.13	
09 91 13 00-0070	SF 1 Coat Paint, Sprayed, Paint Exterior Galvanized Walls ..... <i>For Work &gt;15' To 20' Above Floor, Add</i> <i>Note: Applied only to work area above 15' to 20'.</i> <i>For Work &gt;20' To 30' Above Floor, Add</i> <i>Note: Applied only to work area above 20'.</i> <i>For Work &gt;30' To 40' Above Floor, Add</i> <i>Note: Applied only to work area above 30' to 40'.</i> <i>For Work &gt;40' Above Floor, Add</i> <i>Note: Applied only to work area above 40'.</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 250, Add</i> <i>For &gt;250 To 500, Add</i> <i>For &gt;2,500 To 5,000, Deduct</i> <i>For &gt;5,000 To 10,000, Deduct</i> <i>For &gt;10,000 To 20,000, Deduct</i> <i>For &gt;20,000, Deduct</i>	0.86 0.08 0.13 0.21 0.29 0.45 0.22 0.10 -0.04 -0.09 -0.13 -0.17	
09 91 13 00-0071	SF 2 Coats Paint, Sprayed, Paint Exterior Galvanized Walls ..... <i>For Work &gt;15' To 20' Above Floor, Add</i> <i>Note: Applied only to work area above 15' to 20'.</i> <i>For Work &gt;20' To 30' Above Floor, Add</i> <i>Note: Applied only to work area above 20'.</i> <i>For Work &gt;30' To 40' Above Floor, Add</i> <i>Note: Applied only to work area above 30' to 40'.</i> <i>For Work &gt;40' Above Floor, Add</i> <i>Note: Applied only to work area above 40'.</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 250, Add</i> <i>For &gt;250 To 500, Add</i> <i>For &gt;2,500 To 5,000, Deduct</i> <i>For &gt;5,000 To 10,000, Deduct</i> <i>For &gt;10,000 To 20,000, Deduct</i> <i>For &gt;20,000, Deduct</i>	1.46 0.12 0.20 0.32 0.44 0.70 0.35 0.15 -0.07 -0.15 -0.22 -0.29	
09 91 13 00-0072	Paint Exterior Aluminum And Aluminum Alloy Walls <small>(09 91 13 00-0061)</small> <i>Note: Alkyd enamel paint.</i>		
09 91 13 00-0073	SF 1 Coat Primer, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces ..... <i>For Work &gt;15' To 20' Above Floor, Add</i> <i>Note: Applied only to work area above 15' to 20'.</i> <i>For Work &gt;20' To 30' Above Floor, Add</i> <i>Note: Applied only to work area above 20'.</i> <i>For Work &gt;30' To 40' Above Floor, Add</i> <i>Note: Applied only to work area above 30' to 40'.</i> <i>For Work &gt;40' Above Floor, Add</i> <i>Note: Applied only to work area above 40'.</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 250, Add</i> <i>For &gt;250 To 500, Add</i> <i>For &gt;2,500 To 5,000, Deduct</i> <i>For &gt;5,000 To 10,000, Deduct</i> <i>For &gt;10,000 To 20,000, Deduct</i> <i>For &gt;20,000, Deduct</i>	1.12 0.12 0.21 0.33 0.46 0.67 0.32 0.14 -0.06 -0.11 -0.17 -0.22	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 13 00-0074	SF	1	Coat Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces.....	1.24	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.14	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.24	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.38	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.52	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.76	
			<i>For &gt;100 To 250, Add</i>	0.36	
			<i>For &gt;250 To 500, Add</i>	0.16	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.06	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.12	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.19	
			<i>For &gt;20,000, Deduct</i>	-0.25	
09 91 13 00-0075	SF	2	Coats Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces.....	2.24	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.25	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.42	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.67	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.92	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	1.34	
			<i>For &gt;100 To 250, Add</i>	0.64	
			<i>For &gt;250 To 500, Add</i>	0.28	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.11	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.22	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.34	
			<i>For &gt;20,000, Deduct</i>	-0.45	
09 91 13 00-0076	SF	1	Coat Primer, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls.....	0.93	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.09	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.15	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.24	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.33	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.50	
			<i>For &gt;100 To 250, Add</i>	0.24	
			<i>For &gt;250 To 500, Add</i>	0.11	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.09	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.14	
			<i>For &gt;20,000, Deduct</i>	-0.19	
09 91 13 00-0077	SF	1	Coat Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls.....	1.05	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.11	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.18	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.29	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.40	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.59	
			<i>For &gt;100 To 250, Add</i>	0.29	
			<i>For &gt;250 To 500, Add</i>	0.12	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.11	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.16	
			<i>For &gt;20,000, Deduct</i>	-0.21	
09 91 13 00-0078	SF	2	Coats Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls.....	1.97	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.20	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.33	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.52	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.72	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	1.08	
			<i>For &gt;100 To 250, Add</i>	0.52	
			<i>For &gt;250 To 500, Add</i>	0.23	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.10	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.20	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.30	
			<i>For &gt;20,000, Deduct</i>	-0.39	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0079	SF 1 Coat Primer, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls .....0.72 For Work >15' To 20' Above Floor, Add 0.06 Note: Applied only to work area above 15' to 20'. For Work >20' To 30' Above Floor, Add 0.10 Note: Applied only to work area above 20'. For Work >30' To 40' Above Floor, Add 0.16 Note: Applied only to work area above 30' to 40'. For Work >40' Above Floor, Add 0.21 Note: Applied only to work area above 40'. For Up To 100, Add 0.34 For >100 To 250, Add 0.17 For >250 To 500, Add 0.08 For >2,500 To 5,000, Deduct -0.04 For >5,000 To 10,000, Deduct -0.07 For >10,000 To 20,000, Deduct -0.11 For >20,000, Deduct -0.14		
09 91 13 00-0080	SF 1 Coat Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls .....0.86 For Work >15' To 20' Above Floor, Add 0.08 Note: Applied only to work area above 15' to 20'. For Work >20' To 30' Above Floor, Add 0.13 Note: Applied only to work area above 20'. For Work >30' To 40' Above Floor, Add 0.21 Note: Applied only to work area above 30' to 40'. For Work >40' Above Floor, Add 0.29 Note: Applied only to work area above 40'. For Up To 100, Add 0.45 For >100 To 250, Add 0.22 For >250 To 500, Add 0.10 For >2,500 To 5,000, Deduct -0.04 For >5,000 To 10,000, Deduct -0.09 For >10,000 To 20,000, Deduct -0.13 For >20,000, Deduct -0.17		
09 91 13 00-0081	SF 2 Coats Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls .....1.46 For Work >15' To 20' Above Floor, Add 0.12 Note: Applied only to work area above 15' to 20'. For Work >20' To 30' Above Floor, Add 0.20 Note: Applied only to work area above 20'. For Work >30' To 40' Above Floor, Add 0.32 Note: Applied only to work area above 30' to 40'. For Work >40' Above Floor, Add 0.44 Note: Applied only to work area above 40'. For Up To 100, Add 0.70 For >100 To 250, Add 0.35 For >250 To 500, Add 0.15 For >2,500 To 5,000, Deduct -0.07 For >5,000 To 10,000, Deduct -0.15 For >10,000 To 20,000, Deduct -0.22 For >20,000, Deduct -0.29		
09 91 13 00-0082	Paint Exterior Aluminum And Aluminum Alloy Roof Stacks (09 91 13 00-0061)		
09 91 13 00-0083	LF 1 Coat Primer, Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, Per LF Of Stack .....13.52 For Work >15' To 20' Above Floor, Add 1.78 Note: Applied only to work area above 15' to 20'. For Work >20' To 30' Above Floor, Add 2.97 Note: Applied only to work area above 20'. For Work >30' To 40' Above Floor, Add 4.74 Note: Applied only to work area above 30' to 40'. For Work >40' Above Floor, Add 6.52 Note: Applied only to work area above 40'. For Up To 100, Add 9.14 For >100 To 250, Add 4.32 For >250 To 500, Add 1.86 For >2,500 To 5,000, Deduct -0.68 For >5,000 To 10,000, Deduct -1.35 For >10,000 To 20,000, Deduct -2.03 For >20,000, Deduct -2.70		
09 91 13 00-0084	LF 1 Coat Paint, Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, Per LF Of Stack .....15.05 For Work >15' To 20' Above Floor, Add 1.98 Note: Applied only to work area above 15' to 20'. For Work >20' To 30' Above Floor, Add 3.30 Note: Applied only to work area above 20'. For Work >30' To 40' Above Floor, Add 5.27 Note: Applied only to work area above 30' to 40'. For Work >40' Above Floor, Add 7.25 Note: Applied only to work area above 40'. For Up To 100, Add 10.17 For >100 To 250, Add 4.80 For >250 To 500, Add 2.07 For >2,500 To 5,000, Deduct -0.75 For >5,000 To 10,000, Deduct -1.51 For >10,000 To 20,000, Deduct -2.26 For >20,000, Deduct -3.01		

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 13 00-0085	LF			2 Coats Paint, Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, Per LF Of Stack .....	28.09	
				For Work >15' To 20' Above Floor, Add	3.72	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	6.19	
				Note: Applied only to work area above 20'.		
				For Work >30' To 40' Above Floor, Add	9.91	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	13.62	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	19.08	
				For >100 To 250, Add	9.00	
				For >250 To 500, Add	3.88	
				For >2,500 To 5,000, Deduct	-1.40	
				For >5,000 To 10,000, Deduct	-2.81	
				For >10,000 To 20,000, Deduct	-4.21	
				For >20,000, Deduct	-5.62	

**09 91 13 00-0086 Paint Exterior Corrugated Metal Walls** (09 91 13 00-0061)

09 91 13 00-0087	SF			1 Coat Primer, Sprayed, Paint Exterior Corrugated Metal Walls.....	0.82	
				For Work >15' To 20' Above Floor, Add	0.07	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.11	
				Note: Applied only to work area above 20'.		
				For Work >30' To 40' Above Floor, Add	0.18	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.24	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.39	
				For >100 To 250, Add	0.19	
				For >250 To 500, Add	0.09	
				For >2,500 To 5,000, Deduct	-0.04	
				For >5,000 To 10,000, Deduct	-0.08	
				For >10,000 To 20,000, Deduct	-0.12	
				For >20,000, Deduct	-0.16	

09 91 13 00-0088	SF			1 Coat Paint, Sprayed, Paint Exterior Corrugated Metal Walls.....	1.08	
				For Work >15' To 20' Above Floor, Add	0.11	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.18	
				Note: Applied only to work area above 20'.		
				For Work >30' To 40' Above Floor, Add	0.28	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.39	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.58	
				For >100 To 250, Add	0.28	
				For >250 To 500, Add	0.12	
				For >2,500 To 5,000, Deduct	-0.05	
				For >5,000 To 10,000, Deduct	-0.11	
				For >10,000 To 20,000, Deduct	-0.16	
				For >20,000, Deduct	-0.22	

09 91 13 00-0089	SF			2 Coats Paint, Sprayed, Paint Exterior Corrugated Metal Walls .....	1.82	
				For Work >15' To 20' Above Floor, Add	0.16	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.27	
				Note: Applied only to work area above 20'.		
				For Work >30' To 40' Above Floor, Add	0.42	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.58	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.91	
				For >100 To 250, Add	0.45	
				For >250 To 500, Add	0.20	
				For >2,500 To 5,000, Deduct	-0.09	
				For >5,000 To 10,000, Deduct	-0.18	
				For >10,000 To 20,000, Deduct	-0.27	
				For >20,000, Deduct	-0.36	

**09 91 13 00-0090 Paint Exterior Stucco Walls** (09 91 13 00-0001)

09 91 13 00-0091	LF			1 Coat Paint, Cut-in Brush Work, Paint Exterior Stucco Wall Surfaces .....	0.27	
				For Oil Based Paint, Add	0.02	
				For Work >15' To 20' Above Floor, Add	0.04	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.06	
				Note: Applied only to work area above 20'.		
				For Work >30' To 40' Above Floor, Add	0.10	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.13	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.18	
				For >100 To 250, Add	0.09	
				For >250 To 500, Add	0.04	
				For >2,500 To 5,000, Deduct	-0.01	
				For >5,000 To 10,000, Deduct	-0.03	
				For >10,000 To 20,000, Deduct	-0.04	
				For >20,000, Deduct	-0.05	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0092	SF 1 Coat Primer, Brush Work, Paint Exterior Stucco Wall Surfaces.....	1.47	
	For Oil Based Paint, Add	0.08	
	For Work >15' To 20' Above Floor, Add	0.20	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.33	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.52	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.72	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.01	
	For >100 To 250, Add	0.47	
	For >250 To 500, Add	0.20	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.15	
	For >10,000 To 20,000, Deduct	-0.22	
	For >20,000, Deduct	-0.29	
09 91 13 00-0093	SF 1 Coat Paint, Brush Work, Paint Exterior Stucco Wall Surfaces.....	1.62	
	For Oil Based Paint, Add	0.09	
	For Work >15' To 20' Above Floor, Add	0.21	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.36	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.57	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.79	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.10	
	For >100 To 250, Add	0.52	
	For >250 To 500, Add	0.22	
	For >2,500 To 5,000, Deduct	-0.08	
	For >5,000 To 10,000, Deduct	-0.16	
	For >10,000 To 20,000, Deduct	-0.24	
	For >20,000, Deduct	-0.32	
09 91 13 00-0094	SF 2 Coats Paint, Brush Work, Paint Exterior Stucco Wall Surfaces.....	2.99	
	For Oil Based Paint, Add	0.17	
	For Work >15' To 20' Above Floor, Add	0.39	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.65	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	1.04	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	1.44	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	2.01	
	For >100 To 250, Add	0.95	
	For >250 To 500, Add	0.41	
	For >2,500 To 5,000, Deduct	-0.15	
	For >5,000 To 10,000, Deduct	-0.30	
	For >10,000 To 20,000, Deduct	-0.45	
	For >20,000, Deduct	-0.60	
09 91 13 00-0095	SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Stucco Walls.....	1.10	
	For Oil Based Paint, Add	0.06	
	For Work >15' To 20' Above Floor, Add	0.14	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.24	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.38	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.52	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.73	
	For >100 To 250, Add	0.35	
	For >250 To 500, Add	0.15	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.11	
	For >10,000 To 20,000, Deduct	-0.17	
	For >20,000, Deduct	-0.22	
09 91 13 00-0096	SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Stucco Walls.....	1.25	
	For Oil Based Paint, Add	0.07	
	For Work >15' To 20' Above Floor, Add	0.16	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.27	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.42	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.58	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.82	
	For >100 To 250, Add	0.39	
	For >250 To 500, Add	0.17	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.13	
	For >10,000 To 20,000, Deduct	-0.19	
	For >20,000, Deduct	-0.25	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 13 00-0097	SF		2 Coats Paint, Brush/Roller Work, Paint Exterior Stucco Walls.....	2.30	
			For Oil Based Paint, Add	0.13	
			For Work >15' To 20' Above Floor, Add	0.29	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.48	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.77	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.06	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.50	
			For >100 To 250, Add	0.71	
			For >250 To 500, Add	0.31	
			For >2,500 To 5,000, Deduct	-0.12	
			For >5,000 To 10,000, Deduct	-0.23	
			For >10,000 To 20,000, Deduct	-0.35	
			For >20,000, Deduct	-0.46	
09 91 13 00-0098	SF		1 Coat Primer, Sprayed, Paint Exterior Stucco Walls.....	0.74	
			For Oil Based Paint, Add	0.05	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.14	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.22	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.30	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.44	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.15	
09 91 13 00-0099	SF		1 Coat Paint, Sprayed, Paint Exterior Stucco Walls.....	0.91	
			For Oil Based Paint, Add	0.06	
			For Work >15' To 20' Above Floor, Add	0.10	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.17	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.27	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.37	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.54	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.18	
09 91 13 00-0100	SF		2 Coats Paint, Sprayed, Paint Exterior Stucco Walls.....	1.76	
			For Oil Based Paint, Add	0.11	
			For Work >15' To 20' Above Floor, Add	0.20	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.33	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.53	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.73	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.06	
			For >100 To 250, Add	0.51	
			For >250 To 500, Add	0.22	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.18	
			For >10,000 To 20,000, Deduct	-0.26	
			For >20,000, Deduct	-0.35	

09 91 13 00-0101 Paint Exterior Wood Siding (09 91 13 00-0001)

09 91 13 00-0102 Paint Exterior Smooth Wood Siding (09 91 13 00-0101)  
 Note: Includes tongue and groove, beveled, drop or board and batten siding.

09 91 13 00-0103	LF		1 Coat Paint, Cut-in Brush Work, Paint Exterior Wood Smooth Siding.....	0.22	
			For Oil Based Paint, Add	0.01	
			For Work >15' To 20' Above Floor, Add	0.03	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.05	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.08	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.10	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.15	
			For >100 To 250, Add	0.07	
			For >250 To 500, Add	0.03	
			For >2,500 To 5,000, Deduct	-0.01	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 20,000, Deduct	-0.03	
			For >20,000, Deduct	-0.04	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0104	SF 1 Coat Primer, Brush Work, Paint Exterior Wood Smooth Siding.....	1.23	
	For Oil Based Paint, Add	0.07	
	For Work >15' To 20' Above Floor, Add	0.16	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.26	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.42	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.57	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.81	
	For >100 To 250, Add	0.38	
	For >250 To 500, Add	0.17	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.12	
	For >10,000 To 20,000, Deduct	-0.18	
	For >20,000, Deduct	-0.25	
09 91 13 00-0105	SF 1 Coat Paint, Brush Work, Paint Exterior Wood Smooth Siding.....	1.31	
	For Oil Based Paint, Add	0.07	
	For Work >15' To 20' Above Floor, Add	0.17	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.29	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.46	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.63	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.89	
	For >100 To 250, Add	0.42	
	For >250 To 500, Add	0.18	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.13	
	For >10,000 To 20,000, Deduct	-0.20	
	For >20,000, Deduct	-0.26	
09 91 13 00-0106	SF 2 Coats Paint, Brush Work, Paint Exterior Wood Smooth Siding.....	2.33	
	For Oil Based Paint, Add	0.13	
	For Work >15' To 20' Above Floor, Add	0.30	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.50	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.80	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	1.11	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.56	
	For >100 To 250, Add	0.74	
	For >250 To 500, Add	0.32	
	For >2,500 To 5,000, Deduct	-0.12	
	For >5,000 To 10,000, Deduct	-0.23	
	For >10,000 To 20,000, Deduct	-0.35	
	For >20,000, Deduct	-0.47	
09 91 13 00-0107	SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Smooth Wood Siding.....	0.94	
	For Oil Based Paint, Add	0.06	
	For Work >15' To 20' Above Floor, Add	0.11	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.18	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.29	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.40	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.57	
	For >100 To 250, Add	0.27	
	For >250 To 500, Add	0.12	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.14	
	For >20,000, Deduct	-0.19	
09 91 13 00-0108	SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Smooth Wood Siding.....	1.05	
	For Oil Based Paint, Add	0.06	
	For Work >15' To 20' Above Floor, Add	0.13	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.22	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.34	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.47	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.67	
	For >100 To 250, Add	0.32	
	For >250 To 500, Add	0.14	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.11	
	For >10,000 To 20,000, Deduct	-0.16	
	For >20,000, Deduct	-0.21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0109	SF		2 Coats Paint, Brush/Roller Work, Paint Exterior Smooth Wood Siding .....	1.96	
			For Oil Based Paint, Add	0.12	
			For Work >15' To 20' Above Floor, Add	0.24	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.40	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.63	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.87	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.24	
			For >100 To 250, Add	0.59	
			For >250 To 500, Add	0.26	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.20	
			For >10,000 To 20,000, Deduct	-0.29	
			For >20,000, Deduct	-0.39	
09 91 13 00-0110	SF		1 Coat Primer, Sprayed, Paint Exterior Smooth Wood Siding .....	0.70	
			For Oil Based Paint, Add	0.05	
			For Work >15' To 20' Above Floor, Add	0.07	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.12	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.19	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.26	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.39	
			For >100 To 250, Add	0.19	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.14	
09 91 13 00-0111	SF		1 Coat Paint, Sprayed, Paint Exterior Smooth Wood Siding.....	0.85	
			For Oil Based Paint, Add	0.05	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.16	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.25	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.35	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.51	
			For >100 To 250, Add	0.24	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.17	
09 91 13 00-0112	SF		2 Coats Paint, Sprayed, Paint Exterior Smooth Wood Siding.....	1.35	
			For Oil Based Paint, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.14	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.24	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.38	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.52	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.77	
			For >100 To 250, Add	0.37	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.27	
09 91 13 00-0113			<b>Paint Exterior Rough Wood Siding</b> (09 91 13 00-0101)		
			Note: Includes shingles, shakes or rough sawn siding.		
09 91 13 00-0114	SF		1 Coat Primer, Brush Work, Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding .....	1.66	
			For Oil Based Paint, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.22	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.36	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.58	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.79	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.11	
			For >100 To 250, Add	0.53	
			For >250 To 500, Add	0.23	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000 To 20,000, Deduct	-0.25	
			For >20,000, Deduct	-0.33	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0115	SF 1 Coat Paint, Brush Work, Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding.....	1.67	
	For Oil Based Paint, Add	0.09	
	For Work >15' To 20' Above Floor, Add	0.23	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.38	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.60	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.83	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.16	
	For >100 To 250, Add	0.54	
	For >250 To 500, Add	0.23	
	For >2,500 To 5,000, Deduct	-0.08	
	For >5,000 To 10,000, Deduct	-0.17	
	For >10,000 To 20,000, Deduct	-0.25	
	For >20,000, Deduct	-0.33	
09 91 13 00-0116	SF 2 Coats Paint, Brush Work, Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding.....	3.07	
	For Oil Based Paint, Add	0.17	
	For Work >15' To 20' Above Floor, Add	0.41	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.69	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	1.10	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	1.51	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	2.11	
	For >100 To 250, Add	0.99	
	For >250 To 500, Add	0.43	
	For >2,500 To 5,000, Deduct	-0.15	
	For >5,000 To 10,000, Deduct	-0.31	
	For >10,000 To 20,000, Deduct	-0.46	
	For >20,000, Deduct	-0.61	
09 91 13 00-0117	SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn) .....	1.42	
	For Oil Based Paint, Add	0.09	
	For Work >15' To 20' Above Floor, Add	0.16	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.27	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.43	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.59	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.86	
	For >100 To 250, Add	0.41	
	For >250 To 500, Add	0.18	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.14	
	For >10,000 To 20,000, Deduct	-0.21	
	For >20,000, Deduct	-0.28	
09 91 13 00-0118	SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn).....	1.54	
	For Oil Based Paint, Add	0.09	
	For Work >15' To 20' Above Floor, Add	0.18	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.30	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.48	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.65	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.95	
	For >100 To 250, Add	0.45	
	For >250 To 500, Add	0.20	
	For >2,500 To 5,000, Deduct	-0.08	
	For >5,000 To 10,000, Deduct	-0.15	
	For >10,000 To 20,000, Deduct	-0.23	
	For >20,000, Deduct	-0.31	
09 91 13 00-0119	SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn).....	2.84	
	For Oil Based Paint, Add	0.18	
	For Work >15' To 20' Above Floor, Add	0.32	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.54	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.86	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	1.18	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.71	
	For >100 To 250, Add	0.82	
	For >250 To 500, Add	0.36	
	For >2,500 To 5,000, Deduct	-0.14	
	For >5,000 To 10,000, Deduct	-0.28	
	For >10,000 To 20,000, Deduct	-0.43	
	For >20,000, Deduct	-0.57	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 13 00-0120	SF		1 Coat Primer, Sprayed, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn).....	0.96	
			For Oil Based Paint, Add	0.06	
			For Work >15' To 20' Above Floor, Add	0.10	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.17	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.26	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.36	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.54	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.19	
09 91 13 00-0121	SF		1 Coat Paint, Sprayed, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn) .....	1.10	
			For Oil Based Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.20	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.32	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.44	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.65	
			For >100 To 250, Add	0.31	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.22	
09 91 13 00-0122	SF		2 Coats Paint, Sprayed, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn) .....	2.04	
			For Oil Based Paint, Add	0.13	
			For Work >15' To 20' Above Floor, Add	0.22	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.36	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.58	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.80	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.18	
			For >100 To 250, Add	0.57	
			For >250 To 500, Add	0.25	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.20	
			For >10,000 To 20,000, Deduct	-0.31	
			For >20,000, Deduct	-0.41	

**09 91 13 00-0123 Paint Exterior Vinyl Siding** (09 91 13 00-0001)

09 91 13 00-0124	LF		1 Coat Paint, Cut-in Brush Work, Paint Exterior Vinyl Siding.....	0.16	
			For Oil Based Paint, Add	0.01	
			For Work >15' To 20' Above Floor, Add	0.02	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.03	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.05	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.07	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.10	
			For >100 To 250, Add	0.05	
			For >250 To 500, Add	0.02	
			For >2,500 To 5,000, Deduct	-0.01	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 20,000, Deduct	-0.02	
			For >20,000, Deduct	-0.03	
09 91 13 00-0125	SF		1 Coat Primer, Brush Work, Paint Exterior Vinyl Siding.....	0.90	
			For Oil Based Paint, Add	0.05	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.18	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.28	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.39	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.56	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.18	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0126	SF 1 Coat Paint, Brush Work, Paint Exterior Vinyl Siding .....	1.00	
	For Oil Based Paint, Add	0.06	
	For Work >15' To 20' Above Floor, Add	0.12	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.20	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.32	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.45	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.64	
	For >100 To 250, Add	0.30	
	For >250 To 500, Add	0.13	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.10	
	For >10,000 To 20,000, Deduct	-0.15	
	For >20,000, Deduct	-0.20	
09 91 13 00-0127	SF 2 Coats Paint, Brush Work, Paint Exterior Vinyl Siding.....	1.83	
	For Oil Based Paint, Add	0.11	
	For Work >15' To 20' Above Floor, Add	0.21	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.36	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.57	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.79	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.13	
	For >100 To 250, Add	0.54	
	For >250 To 500, Add	0.23	
	For >2,500 To 5,000, Deduct	-0.09	
	For >5,000 To 10,000, Deduct	-0.18	
	For >10,000 To 20,000, Deduct	-0.27	
	For >20,000, Deduct	-0.37	
09 91 13 00-0128	SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Vinyl Siding.....	0.82	
	For Oil Based Paint, Add	0.05	
	For Work >15' To 20' Above Floor, Add	0.09	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.15	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.24	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.33	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.48	
	For >100 To 250, Add	0.23	
	For >250 To 500, Add	0.10	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.08	
	For >10,000 To 20,000, Deduct	-0.12	
	For >20,000, Deduct	-0.16	
09 91 13 00-0129	SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Vinyl Siding.....	0.82	
	For Oil Based Paint, Add	0.05	
	For Work >15' To 20' Above Floor, Add	0.09	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.15	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.24	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.33	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.48	
	For >100 To 250, Add	0.23	
	For >250 To 500, Add	0.10	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.08	
	For >10,000 To 20,000, Deduct	-0.12	
	For >20,000, Deduct	-0.16	
09 91 13 00-0130	SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Vinyl Siding.....	1.50	
	For Oil Based Paint, Add	0.10	
	For Work >15' To 20' Above Floor, Add	0.16	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.27	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.43	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.59	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.87	
	For >100 To 250, Add	0.42	
	For >250 To 500, Add	0.18	
	For >2,500 To 5,000, Deduct	-0.08	
	For >5,000 To 10,000, Deduct	-0.15	
	For >10,000 To 20,000, Deduct	-0.23	
	For >20,000, Deduct	-0.30	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 13 00-0131	SF		1 Coat Primer, Sprayed, Paint Exterior Vinyl Siding.....	0.66	
			For Oil Based Paint, Add	0.05	
			For Work >15' To 20' Above Floor, Add	0.06	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.10	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.16	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.21	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.33	
			For >100 To 250, Add	0.16	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	
09 91 13 00-0132	SF		1 Coat Paint, Sprayed, Paint Exterior Vinyl Siding.....	0.74	
			For Oil Based Paint, Add	0.05	
			For Work >15' To 20' Above Floor, Add	0.06	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.10	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.16	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.21	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.35	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.15	
09 91 13 00-0133	SF		2 Coats Paint, Sprayed, Paint Exterior Vinyl Siding.....	1.47	
			For Oil Based Paint, Add	0.11	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.20	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.32	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.44	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.70	
			For >100 To 250, Add	0.35	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 20,000, Deduct	-0.22	
			For >20,000, Deduct	-0.29	

09 91 13 00-0134 Paint Exterior Ceilings (09 91 13)

09 91 13 00-0135 Paint Exterior Concrete Ceilings (09 91 13 00-0134)

09 91 13 00-0136	LF		1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Ceiling.....	0.18	
			For Oil Based Paint, Add	0.01	
			For Epoxy Paint, Add	0.02	
			For Work >15' To 20' Above Floor, Add	0.02	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.04	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.06	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.09	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.12	
			For >100 To 250, Add	0.06	
			For >250 To 500, Add	0.03	
			For >2,500 To 5,000, Deduct	-0.01	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 20,000, Deduct	-0.03	
			For >20,000, Deduct	-0.04	
09 91 13 00-0137	SF		1 Coat Filler, Brush Work, Paint Exterior Concrete Ceiling.....	0.97	
			For Oil Based Paint, Add	0.06	
			For Epoxy Paint, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.21	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.33	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.46	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.64	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.19	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0138	SF 1 Coat Paint, Brush Work, Paint Exterior Concrete Ceiling.....	1.06	
	For Oil Based Paint, Add	0.06	
	For Epoxy Paint, Add	0.09	
	For Work >15' To 20' Above Floor, Add	0.14	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.24	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.38	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.52	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.73	
	For >100 To 250, Add	0.34	
	For >250 To 500, Add	0.15	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.11	
	For >10,000 To 20,000, Deduct	-0.16	
	For >20,000, Deduct	-0.21	
09 91 13 00-0139	SF 2 Coats Paint, Brush Work, Paint Exterior Concrete Ceiling.....	1.88	
	For Oil Based Paint, Add	0.11	
	For Epoxy Paint, Add	0.16	
	For Work >15' To 20' Above Floor, Add	0.25	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.42	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.66	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.91	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.28	
	For >100 To 250, Add	0.60	
	For >250 To 500, Add	0.26	
	For >2,500 To 5,000, Deduct	-0.09	
	For >5,000 To 10,000, Deduct	-0.19	
	For >10,000 To 20,000, Deduct	-0.28	
	For >20,000, Deduct	-0.38	
09 91 13 00-0140	SF 1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Ceiling.....	0.74	
	For Oil Based Paint, Add	0.04	
	For Epoxy Paint, Add	0.08	
	For Work >15' To 20' Above Floor, Add	0.09	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.15	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.24	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.33	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.47	
	For >100 To 250, Add	0.22	
	For >250 To 500, Add	0.10	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.07	
	For >10,000 To 20,000, Deduct	-0.11	
	For >20,000, Deduct	-0.15	
09 91 13 00-0141	SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Ceiling .....	0.82	
	For Oil Based Paint, Add	0.05	
	For Epoxy Paint, Add	0.07	
	For Work >15' To 20' Above Floor, Add	0.11	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.18	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.28	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.39	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.55	
	For >100 To 250, Add	0.26	
	For >250 To 500, Add	0.11	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.08	
	For >10,000 To 20,000, Deduct	-0.12	
	For >20,000, Deduct	-0.16	
09 91 13 00-0142	SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Ceiling.....	1.54	
	For Oil Based Paint, Add	0.09	
	For Epoxy Paint, Add	0.14	
	For Work >15' To 20' Above Floor, Add	0.20	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.33	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.53	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.73	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.02	
	For >100 To 250, Add	0.48	
	For >250 To 500, Add	0.21	
	For >2,500 To 5,000, Deduct	-0.08	
	For >5,000 To 10,000, Deduct	-0.15	
	For >10,000 To 20,000, Deduct	-0.23	
	For >20,000, Deduct	-0.31	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 13 00-0143	SF		1 Coat Filler, Sprayed, Paint Exterior Concrete Ceiling.....	0.55	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.06	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.10	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.16	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.21	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.32	
			For >100 To 250, Add	0.15	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.11	
09 91 13 00-0144	SF		1 Coat Paint, Sprayed, Paint Exterior Concrete Ceiling.....	0.67	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.13	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.21	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.29	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.42	
			For >100 To 250, Add	0.20	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	
09 91 13 00-0145	SF		2 Coats Paint, Sprayed, Paint Exterior Concrete Ceiling.....	1.07	
			For Oil Based Paint, Add	0.07	
			For Epoxy Paint, Add	0.13	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.20	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.32	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.44	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.64	
			For >100 To 250, Add	0.31	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.21	

**09 91 13 00-0146 Drywall/Plaster** (09 91 13 00-0134)

09 91 13 00-0147	LF		1 Coat Paint, Cut-in Brush Work, Paint Exterior Drywall/Plaster Ceiling.....	0.18	
			For Oil Based Paint, Add	0.01	
			For Epoxy Paint, Add	0.02	
			For Work >15' To 20' Above Floor, Add	0.02	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.04	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.06	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.09	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.12	
			For >100 To 250, Add	0.06	
			For >250 To 500, Add	0.03	
			For >2,500 To 5,000, Deduct	-0.01	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 20,000, Deduct	-0.03	
			For >20,000, Deduct	-0.04	
			For Epoxy Paint, Add	0.02	

## 09 Finishes

## 09 90 Painting and Coating

## 09 91 Painting

 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

09 91 13 00-0148	SF	1 Coat Primer, Brush Work, Paint Exterior Drywall/Plaster Ceiling.....	0.98	
		For Oil Based Paint, Add	0.06	
		For Orange Peel Finish, Add	0.14	
		For Epoxy Paint, Add	0.09	
		For Work >15' To 20' Above Floor, Add	0.13	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.21	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.34	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.46	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.65	
		For >100 To 250, Add	0.31	
		For >250 To 500, Add	0.13	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.10	
		For >10,000 To 20,000, Deduct	-0.15	
		For >20,000, Deduct	-0.20	
		For Epoxy Paint, Add	0.09	
09 91 13 00-0149	SF	1 Coat Paint, Brush Work, Paint Exterior Drywall/Plaster Ceiling .....	1.06	
		For Oil Based Paint, Add	0.06	
		For Orange Peel Finish, Add	0.15	
		For Epoxy Paint, Add	0.09	
		For Work >15' To 20' Above Floor, Add	0.14	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.24	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.38	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.52	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.73	
		For >100 To 250, Add	0.34	
		For >250 To 500, Add	0.15	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.11	
		For >10,000 To 20,000, Deduct	-0.16	
		For >20,000, Deduct	-0.21	
		For Epoxy Paint, Add	0.09	
09 91 13 00-0150	SF	2 Coats Paint, Brush Work, Paint Exterior Drywall/Plaster Ceiling.....	1.89	
		For Oil Based Paint, Add	0.11	
		For Orange Peel Finish, Add	0.27	
		For Epoxy Paint, Add	0.16	
		For Work >15' To 20' Above Floor, Add	0.25	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.42	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.67	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.92	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.29	
		For >100 To 250, Add	0.61	
		For >250 To 500, Add	0.26	
		For >2,500 To 5,000, Deduct	-0.09	
		For >5,000 To 10,000, Deduct	-0.19	
		For >10,000 To 20,000, Deduct	-0.28	
		For >20,000, Deduct	-0.38	
		For Epoxy Paint, Add	0.16	
09 91 13 00-0151	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Drywall/Plaster Ceiling.....	0.72	
		For Oil Based Paint, Add	0.04	
		For Orange Peel Finish, Add	0.10	
		For Epoxy Paint, Add	0.08	
		For Work >15' To 20' Above Floor, Add	0.09	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.15	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.23	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.32	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.46	
		For >100 To 250, Add	0.22	
		For >250 To 500, Add	0.09	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.07	
		For >10,000 To 20,000, Deduct	-0.11	
		For >20,000, Deduct	-0.14	
		For Epoxy Paint, Add	0.08	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 13 00-0152	SF		1 Coat Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Ceiling.....	0.82	
			For Oil Based Paint, Add	0.05	
			For Orange Peel Finish, Add	0.12	
			For Epoxy Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.18	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.28	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.39	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.55	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
			For Epoxy Paint, Add	0.07	
09 91 13 00-0153	SF		2 Coats Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Ceiling.....	1.53	
			For Oil Based Paint, Add	0.09	
			For Orange Peel Finish, Add	0.22	
			For Epoxy Paint, Add	0.14	
			For Work >15' To 20' Above Floor, Add	0.20	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.33	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.52	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.72	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.02	
			For >100 To 250, Add	0.48	
			For >250 To 500, Add	0.21	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 20,000, Deduct	-0.23	
			For >20,000, Deduct	-0.31	
			For Epoxy Paint, Add	0.14	
09 91 13 00-0154	SF		1 Coat Primer, Sprayed, Paint Exterior Drywall/Plaster Ceiling.....	0.55	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.06	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.10	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.16	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.21	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.32	
			For >100 To 250, Add	0.15	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.11	
			For Epoxy Paint, Add	0.08	
09 91 13 00-0155	SF		1 Coat Paint, Sprayed, Paint Exterior Drywall/Plaster Ceiling.....	0.67	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.13	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.21	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.29	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.42	
			For >100 To 250, Add	0.20	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	
			For Epoxy Paint, Add	0.08	

## 09 Finishes

## 09 90 Painting and Coating

## 09 91 Painting

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

09 91 13 00-0156	SF	2 Coats Paint, Sprayed, Paint Exterior Drywall/Plaster Ceiling.....	1.07
		For Oil Based Paint, Add	0.07
		For Epoxy Paint, Add	0.13
		For Work >15' To 20' Above Floor, Add	0.12
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.20
		Note: Applied only to work area above 20'.	
		For Work >30' To 40' Above Floor, Add	0.32
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.44
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.64
		For >100 To 250, Add	0.31
		For >250 To 500, Add	0.13
		For >2,500 To 5,000, Deduct	-0.05
		For >5,000 To 10,000, Deduct	-0.11
		For >10,000 To 20,000, Deduct	-0.16
		For >20,000, Deduct	-0.21
		For Epoxy Paint, Add	0.13
09 91 13 00-0157		Paint Exterior Wood Ceilings (09 91 13 00-0134)	
09 91 13 00-0158		Paint Exterior Smooth Wood Ceilings (09 91 13 00-0157)	
09 91 13 00-0159	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Wood Smooth Ceiling.....	0.21
		For Oil Based Paint, Add	0.01
		For Work >15' To 20' Above Floor, Add	0.03
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.05
		Note: Applied only to work area above 20'.	
		For Work >30' To 40' Above Floor, Add	0.07
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.10
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.14
		For >100 To 250, Add	0.07
		For >250 To 500, Add	0.03
		For >2,500 To 5,000, Deduct	-0.01
		For >5,000 To 10,000, Deduct	-0.02
		For >10,000 To 20,000, Deduct	-0.03
		For >20,000, Deduct	-0.04
09 91 13 00-0160	SF	1 Coat Primer, Brush Work, Paint Exterior Wood Smooth Ceiling.....	1.18
		For Oil Based Paint, Add	0.07
		For Work >15' To 20' Above Floor, Add	0.15
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.25
		Note: Applied only to work area above 20'.	
		For Work >30' To 40' Above Floor, Add	0.40
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.54
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.77
		For >100 To 250, Add	0.37
		For >250 To 500, Add	0.16
		For >2,500 To 5,000, Deduct	-0.06
		For >5,000 To 10,000, Deduct	-0.12
		For >10,000 To 20,000, Deduct	-0.18
		For >20,000, Deduct	-0.24
09 91 13 00-0161	SF	1 Coat Paint, Brush Work, Paint Exterior Wood Smooth Ceiling.....	1.23
		For Oil Based Paint, Add	0.07
		For Work >15' To 20' Above Floor, Add	0.16
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.27
		Note: Applied only to work area above 20'.	
		For Work >30' To 40' Above Floor, Add	0.43
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.59
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.83
		For >100 To 250, Add	0.39
		For >250 To 500, Add	0.17
		For >2,500 To 5,000, Deduct	-0.06
		For >5,000 To 10,000, Deduct	-0.12
		For >10,000 To 20,000, Deduct	-0.18
		For >20,000, Deduct	-0.25
09 91 13 00-0162	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Smooth Ceiling.....	2.23
		For Oil Based Paint, Add	0.13
		For Work >15' To 20' Above Floor, Add	0.29
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.48
		Note: Applied only to work area above 20'.	
		For Work >30' To 40' Above Floor, Add	0.76
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	1.05
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	1.48
		For >100 To 250, Add	0.70
		For >250 To 500, Add	0.30
		For >2,500 To 5,000, Deduct	-0.11
		For >5,000 To 10,000, Deduct	-0.22
		For >10,000 To 20,000, Deduct	-0.33
		For >20,000, Deduct	-0.45

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91	13 00-0163	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Smooth Wood Ceiling.....	0.94	
			For Oil Based Paint, Add	0.06	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.18	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.29	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.40	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.57	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.19	
09 91	13 00-0164	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Smooth Wood Ceiling.....	1.02	
			For Oil Based Paint, Add	0.06	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.21	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.33	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.46	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.65	
			For >100 To 250, Add	0.31	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	
09 91	13 00-0165	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Smooth Wood Ceiling.....	1.81	
			For Oil Based Paint, Add	0.11	
			For Work >15' To 20' Above Floor, Add	0.21	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.36	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.57	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.79	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.13	
			For >100 To 250, Add	0.54	
			For >250 To 500, Add	0.23	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.18	
			For >10,000 To 20,000, Deduct	-0.27	
			For >20,000, Deduct	-0.36	
09 91	13 00-0166	SF	1 Coat Primer, Sprayed, Paint Exterior Smooth Wood Ceiling.....	0.69	
			For Oil Based Paint, Add	0.04	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.13	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.21	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.29	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.42	
			For >100 To 250, Add	0.20	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.14	
09 91	13 00-0167	SF	1 Coat Paint, Sprayed, Paint Exterior Smooth Wood Ceiling.....	0.69	
			For Oil Based Paint, Add	0.04	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.13	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.21	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.29	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.42	
			For >100 To 250, Add	0.20	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.14	

## 09 Finishes

## 09 90 Painting and Coating

## 09 91 Painting

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

09 91 13 00-0168	SF	2 Coats Paint, Sprayed, Paint Exterior Smooth Wood Ceiling.....	1.24	
		For Oil Based Paint, Add	0.08	
		For Work >15' To 20' Above Floor, Add	0.14	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.23	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.37	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.51	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.74	
		For >100 To 250, Add	0.35	
		For >250 To 500, Add	0.15	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.12	
		For >10,000 To 20,000, Deduct	-0.19	
		For >20,000, Deduct	-0.25	
09 91 13 00-0169		Paint Exterior Rough Wood Ceilings (09 91 13 00-0157)		
09 91 13 00-0170	SF	1 Coat Primer, Brush Work, Paint Exterior Wood Rough Ceiling.....	1.77	
		For Oil Based Paint, Add	0.10	
		For Work >15' To 20' Above Floor, Add	0.23	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.38	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.60	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.83	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.17	
		For >100 To 250, Add	0.55	
		For >250 To 500, Add	0.24	
		For >2,500 To 5,000, Deduct	-0.09	
		For >5,000 To 10,000, Deduct	-0.18	
		For >10,000 To 20,000, Deduct	-0.27	
		For >20,000, Deduct	-0.35	
09 91 13 00-0171	SF	1 Coat Paint, Brush Work, Paint Exterior Wood Rough Ceiling.....	1.83	
		For Oil Based Paint, Add	0.10	
		For Work >15' To 20' Above Floor, Add	0.25	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.42	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.67	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.92	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.28	
		For >100 To 250, Add	0.60	
		For >250 To 500, Add	0.26	
		For >2,500 To 5,000, Deduct	-0.09	
		For >5,000 To 10,000, Deduct	-0.18	
		For >10,000 To 20,000, Deduct	-0.27	
		For >20,000, Deduct	-0.37	
09 91 13 00-0172	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Rough Ceiling.....	3.18	
		For Oil Based Paint, Add	0.18	
		For Work >15' To 20' Above Floor, Add	0.43	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.72	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	1.14	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	1.57	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	2.19	
		For >100 To 250, Add	1.03	
		For >250 To 500, Add	0.45	
		For >2,500 To 5,000, Deduct	-0.16	
		For >5,000 To 10,000, Deduct	-0.32	
		For >10,000 To 20,000, Deduct	-0.48	
		For >20,000, Deduct	-0.64	
09 91 13 00-0173	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Rough Wood Ceiling.....	1.54	
		For Oil Based Paint, Add	0.09	
		For Work >15' To 20' Above Floor, Add	0.18	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.30	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.48	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.65	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.95	
		For >100 To 250, Add	0.45	
		For >250 To 500, Add	0.20	
		For >2,500 To 5,000, Deduct	-0.08	
		For >5,000 To 10,000, Deduct	-0.15	
		For >10,000 To 20,000, Deduct	-0.23	
		For >20,000, Deduct	-0.31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91	13 00-0174	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Rough Wood Ceiling.....	1.66	
			For Oil Based Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.20	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.33	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.52	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.72	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.04	
			For >100 To 250, Add	0.49	
			For >250 To 500, Add	0.21	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000 To 20,000, Deduct	-0.25	
			For >20,000, Deduct	-0.33	
09 91	13 00-0175	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Rough Wood Ceiling.....	2.95	
			For Oil Based Paint, Add	0.18	
			For Work >15' To 20' Above Floor, Add	0.34	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.56	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.90	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.24	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.79	
			For >100 To 250, Add	0.86	
			For >250 To 500, Add	0.37	
			For >2,500 To 5,000, Deduct	-0.15	
			For >5,000 To 10,000, Deduct	-0.30	
			For >10,000 To 20,000, Deduct	-0.44	
			For >20,000, Deduct	-0.59	
09 91	13 00-0176	SF	1 Coat Primer, Sprayed, Paint Exterior Rough Wood Ceiling.....	1.09	
			For Oil Based Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.20	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.32	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.43	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.64	
			For >100 To 250, Add	0.31	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.22	
09 91	13 00-0177	SF	1 Coat Paint, Sprayed, Paint Exterior Rough Wood Ceiling.....	1.22	
			For Oil Based Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.14	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.23	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.37	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.51	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.74	
			For >100 To 250, Add	0.35	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.24	
09 91	13 00-0178	SF	2 Coats Paint, Sprayed, Paint Exterior Rough Wood Ceiling.....	2.18	
			For Oil Based Paint, Add	0.14	
			For Work >15' To 20' Above Floor, Add	0.24	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.40	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.64	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.87	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.28	
			For >100 To 250, Add	0.62	
			For >250 To 500, Add	0.27	
			For >2,500 To 5,000, Deduct	-0.11	
			For >5,000 To 10,000, Deduct	-0.22	
			For >10,000 To 20,000, Deduct	-0.33	
			For >20,000, Deduct	-0.44	

09 91 13 00-0179 Paint Exterior Metal Ceilings (09 91 13 00-0134)

09 91 13 00-0180 Paint Exterior Galvanized Ceilings (09 91 13 00-0179)  
 Note: Linseed oil or acrylic latex paint.

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0181	SF 1 Coat Primer, Brush Work, Paint Exterior Galvanized Ceiling.....	1.24	
	For Work >15' To 20' Above Floor, Add	0.14	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.24	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.38	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.52	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.76	
	For >100 To 250, Add	0.36	
	For >250 To 500, Add	0.16	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.12	
	For >10,000 To 20,000, Deduct	-0.19	
	For >20,000, Deduct	-0.25	
09 91 13 00-0182	SF 1 Coat Paint, Brush Work, Paint Exterior Galvanized Ceiling .....	1.36	
	For Work >15' To 20' Above Floor, Add	0.16	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.27	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.43	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.59	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.85	
	For >100 To 250, Add	0.40	
	For >250 To 500, Add	0.18	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.14	
	For >10,000 To 20,000, Deduct	-0.20	
	For >20,000, Deduct	-0.27	
09 91 13 00-0183	SF 2 Coats Paint, Brush Work, Paint Exterior Galvanized Ceiling .....	2.48	
	For Work >15' To 20' Above Floor, Add	0.29	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.48	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.76	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	1.05	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.52	
	For >100 To 250, Add	0.73	
	For >250 To 500, Add	0.32	
	For >2,500 To 5,000, Deduct	-0.12	
	For >5,000 To 10,000, Deduct	-0.25	
	For >10,000 To 20,000, Deduct	-0.37	
	For >20,000, Deduct	-0.50	
09 91 13 00-0184	SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Galvanized Ceiling.....	0.96	
	For Work >15' To 20' Above Floor, Add	0.11	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.18	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.29	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.40	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.58	
	For >100 To 250, Add	0.28	
	For >250 To 500, Add	0.12	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.10	
	For >10,000 To 20,000, Deduct	-0.14	
	For >20,000, Deduct	-0.19	
09 91 13 00-0185	SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Galvanized Ceiling .....	1.07	
	For Work >15' To 20' Above Floor, Add	0.12	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.21	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.33	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.46	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.66	
	For >100 To 250, Add	0.31	
	For >250 To 500, Add	0.14	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.11	
	For >10,000 To 20,000, Deduct	-0.16	
	For >20,000, Deduct	-0.21	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 13 00-0186	SF			2 Coats Paint, Brush/Roller Work, Paint Exterior Galvanized Ceiling.....	1.90	
				For Work >15' To 20' Above Floor, Add	0.21	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.36	
				Note: Applied only to work area above 20'.		
				For Work >30' To 40' Above Floor, Add	0.57	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.79	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	1.14	
				For >100 To 250, Add	0.55	
				For >250 To 500, Add	0.24	
				For >2,500 To 5,000, Deduct	-0.10	
				For >5,000 To 10,000, Deduct	-0.19	
				For >10,000 To 20,000, Deduct	-0.29	
				For >20,000, Deduct	-0.38	
09 91 13 00-0187	SF			1 Coat Primer, Sprayed, Paint Exterior Galvanized Ceiling.....	0.86	
				For Work >15' To 20' Above Floor, Add	0.08	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.13	
				Note: Applied only to work area above 20'.		
				For Work >30' To 40' Above Floor, Add	0.21	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.29	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.45	
				For >100 To 250, Add	0.22	
				For >250 To 500, Add	0.10	
				For >2,500 To 5,000, Deduct	-0.04	
				For >5,000 To 10,000, Deduct	-0.09	
				For >10,000 To 20,000, Deduct	-0.13	
				For >20,000, Deduct	-0.17	
09 91 13 00-0188	SF			1 Coat Paint, Sprayed, Paint Exterior Galvanized Ceiling.....	0.98	
				For Work >15' To 20' Above Floor, Add	0.10	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.16	
				Note: Applied only to work area above 20'.		
				For Work >30' To 40' Above Floor, Add	0.26	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.36	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.54	
				For >100 To 250, Add	0.26	
				For >250 To 500, Add	0.11	
				For >2,500 To 5,000, Deduct	-0.05	
				For >5,000 To 10,000, Deduct	-0.10	
				For >10,000 To 20,000, Deduct	-0.15	
				For >20,000, Deduct	-0.20	
09 91 13 00-0189	SF			2 Coats Paint, Sprayed, Paint Exterior Galvanized Ceiling.....	1.58	
				For Work >15' To 20' Above Floor, Add	0.14	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.23	
				Note: Applied only to work area above 20'.		
				For Work >30' To 40' Above Floor, Add	0.37	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.51	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.79	
				For >100 To 250, Add	0.39	
				For >250 To 500, Add	0.17	
				For >2,500 To 5,000, Deduct	-0.08	
				For >5,000 To 10,000, Deduct	-0.16	
				For >10,000 To 20,000, Deduct	-0.24	
				For >20,000, Deduct	-0.32	

**09 91 13 00-0190 Paint Exterior Aluminum And Aluminum Alloy Ceilings (09 91 13 00-0179)**

				Note: Alkyd enamel paint.		
09 91 13 00-0191	SF			1 Coat Primer, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling.....	1.24	
				For Work >15' To 20' Above Floor, Add	0.14	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.24	
				Note: Applied only to work area above 20'.		
				For Work >30' To 40' Above Floor, Add	0.38	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.52	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.76	
				For >100 To 250, Add	0.36	
				For >250 To 500, Add	0.16	
				For >2,500 To 5,000, Deduct	-0.06	
				For >5,000 To 10,000, Deduct	-0.12	
				For >10,000 To 20,000, Deduct	-0.19	
				For >20,000, Deduct	-0.25	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0192	SF 1 Coat Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling .....	1.36	
	For Work >15' To 20' Above Floor, Add	0.16	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.27	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.43	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.59	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.85	
	For >100 To 250, Add	0.40	
	For >250 To 500, Add	0.18	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.14	
	For >10,000 To 20,000, Deduct	-0.20	
	For >20,000, Deduct	-0.27	
09 91 13 00-0193	SF 2 Coats Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling.....	2.48	
	For Work >15' To 20' Above Floor, Add	0.29	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.48	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.76	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	1.05	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.52	
	For >100 To 250, Add	0.73	
	For >250 To 500, Add	0.32	
	For >2,500 To 5,000, Deduct	-0.12	
	For >5,000 To 10,000, Deduct	-0.25	
	For >10,000 To 20,000, Deduct	-0.37	
	For >20,000, Deduct	-0.50	
09 91 13 00-0194	SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling.....	1.05	
	For Work >15' To 20' Above Floor, Add	0.11	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.18	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.29	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.40	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.59	
	For >100 To 250, Add	0.29	
	For >250 To 500, Add	0.12	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.11	
	For >10,000 To 20,000, Deduct	-0.16	
	For >20,000, Deduct	-0.21	
09 91 13 00-0195	SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling.....	1.16	
	For Work >15' To 20' Above Floor, Add	0.12	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.21	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.33	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.46	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.67	
	For >100 To 250, Add	0.32	
	For >250 To 500, Add	0.14	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.12	
	For >10,000 To 20,000, Deduct	-0.17	
	For >20,000, Deduct	-0.23	
09 91 13 00-0196	SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling.....	2.09	
	For Work >15' To 20' Above Floor, Add	0.21	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.36	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.57	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.79	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.17	
	For >100 To 250, Add	0.57	
	For >250 To 500, Add	0.25	
	For >2,500 To 5,000, Deduct	-0.10	
	For >5,000 To 10,000, Deduct	-0.21	
	For >10,000 To 20,000, Deduct	-0.31	
	For >20,000, Deduct	-0.42	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 13 00-0197	SF			1 Coat Primer, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Ceiling .....	0.86	
				For Work >15' To 20' Above Floor, Add	0.08	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.13	
				Note: Applied only to work area above 20'.		
				For Work >30' To 40' Above Floor, Add	0.21	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.29	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.45	
				For >100 To 250, Add	0.22	
				For >250 To 500, Add	0.10	
				For >2,500 To 5,000, Deduct	-0.04	
				For >5,000 To 10,000, Deduct	-0.09	
				For >10,000 To 20,000, Deduct	-0.13	
				For >20,000, Deduct	-0.17	
09 91 13 00-0198	SF			1 Coat Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Ceiling .....	0.86	
				For Work >15' To 20' Above Floor, Add	0.08	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.13	
				Note: Applied only to work area above 20'.		
				For Work >30' To 40' Above Floor, Add	0.21	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.29	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.45	
				For >100 To 250, Add	0.22	
				For >250 To 500, Add	0.10	
				For >2,500 To 5,000, Deduct	-0.04	
				For >5,000 To 10,000, Deduct	-0.09	
				For >10,000 To 20,000, Deduct	-0.13	
				For >20,000, Deduct	-0.17	
09 91 13 00-0199	SF			2 Coats Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Ceiling.....	1.58	
				For Work >15' To 20' Above Floor, Add	0.14	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.23	
				Note: Applied only to work area above 20'.		
				For Work >30' To 40' Above Floor, Add	0.37	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.51	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.79	
				For >100 To 250, Add	0.39	
				For >250 To 500, Add	0.17	
				For >2,500 To 5,000, Deduct	-0.08	
				For >5,000 To 10,000, Deduct	-0.16	
				For >10,000 To 20,000, Deduct	-0.24	
				For >20,000, Deduct	-0.32	

**09 91 13 00-0200 Paint Exterior Corrugated Metal Ceilings** (09 91 13 00-0179)

09 91 13 00-0201	SF			1 Coat Primer, Sprayed, Paint Exterior Corrugated Metal Ceiling .....	0.95	
				For Work >15' To 20' Above Floor, Add	0.09	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.14	
				Note: Applied only to work area above 20'.		
				For Work >30' To 40' Above Floor, Add	0.23	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.31	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.48	
				For >100 To 250, Add	0.24	
				For >250 To 500, Add	0.10	
				For >2,500 To 5,000, Deduct	-0.05	
				For >5,000 To 10,000, Deduct	-0.10	
				For >10,000 To 20,000, Deduct	-0.14	
				For >20,000, Deduct	-0.19	
09 91 13 00-0202	SF			1 Coat Paint, Sprayed, Paint Exterior Corrugated Metal Ceiling.....	1.08	
				For Work >15' To 20' Above Floor, Add	0.11	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.18	
				Note: Applied only to work area above 20'.		
				For Work >30' To 40' Above Floor, Add	0.28	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.39	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.58	
				For >100 To 250, Add	0.28	
				For >250 To 500, Add	0.12	
				For >2,500 To 5,000, Deduct	-0.05	
				For >5,000 To 10,000, Deduct	-0.11	
				For >10,000 To 20,000, Deduct	-0.16	
				For >20,000, Deduct	-0.22	

**09 Finishes****09 90 Painting and Coating****09 91 Painting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

09 91 13 00-0203	SF	2 Coats Paint, Sprayed, Paint Exterior Corrugated Metal Ceiling.....	1.98
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.18
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.31
		<i>Note: Applied only to work area above 20'.</i>	
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.49
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work &gt;40' Above Floor, Add</i>	0.67
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	1.03
		<i>For &gt;100 To 250, Add</i>	0.50
		<i>For &gt;250 To 500, Add</i>	0.22
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.10
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.20
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.30
		<i>For &gt;20,000, Deduct</i>	-0.40
09 91 13 00-0204		Paint Exterior Floors <small>(09 91 13)</small>	
09 91 13 00-0205		Paint Exterior Concrete Floors <small>(09 91 13 00-0204)</small>	
09 91 13 00-0206	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Floors And Decks.....	0.14
		<i>For Up To 100, Add</i>	0.09
		<i>For &gt;100 To 250, Add</i>	0.04
		<i>For &gt;250 To 500, Add</i>	0.02
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.01
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.01
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.02
		<i>For &gt;20,000, Deduct</i>	-0.03
09 91 13 00-0207	SF	1 Coat Primer, Brush Work, Paint Exterior Concrete Floors And Decks.....	0.74
		<i>For Oil Based Paint, Add</i>	0.04
		<i>For Epoxy Paint, Add</i>	0.08
		<i>For Up To 100, Add</i>	0.47
		<i>For &gt;100 To 250, Add</i>	0.22
		<i>For &gt;250 To 500, Add</i>	0.10
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.07
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.11
		<i>For &gt;20,000, Deduct</i>	-0.15
09 91 13 00-0208	SF	1 Coat Paint, Brush Work, Paint Exterior Concrete Floors And Decks.....	0.82
		<i>For Oil Based Paint, Add</i>	0.05
		<i>For Epoxy Paint, Add</i>	0.07
		<i>For Up To 100, Add</i>	0.55
		<i>For &gt;100 To 250, Add</i>	0.26
		<i>For &gt;250 To 500, Add</i>	0.11
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.08
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.12
		<i>For &gt;20,000, Deduct</i>	-0.16
09 91 13 00-0209	SF	2 Coats Paint, Brush Work, Paint Exterior Concrete Floors And Decks.....	1.53
		<i>For Oil Based Paint, Add</i>	0.09
		<i>For Epoxy Paint, Add</i>	0.14
		<i>For Up To 100, Add</i>	1.02
		<i>For &gt;100 To 250, Add</i>	0.48
		<i>For &gt;250 To 500, Add</i>	0.21
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.08
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.15
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.23
		<i>For &gt;20,000, Deduct</i>	-0.31
09 91 13 00-0210	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Concrete Floors And Decks.....	0.61
		<i>For Oil Based Paint, Add</i>	0.04
		<i>For Epoxy Paint, Add</i>	0.07
		<i>For Up To 100, Add</i>	0.37
		<i>For &gt;100 To 250, Add</i>	0.18
		<i>For &gt;250 To 500, Add</i>	0.08
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.03
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.06
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.09
		<i>For &gt;20,000, Deduct</i>	-0.12
09 91 13 00-0211	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Floors And Decks.....	0.71
		<i>For Oil Based Paint, Add</i>	0.04
		<i>For Epoxy Paint, Add</i>	0.07
		<i>For Up To 100, Add</i>	0.47
		<i>For &gt;100 To 250, Add</i>	0.22
		<i>For &gt;250 To 500, Add</i>	0.10
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.07
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.11
		<i>For &gt;20,000, Deduct</i>	-0.14
09 91 13 00-0212	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Floors And Decks.....	1.15
		<i>For Oil Based Paint, Add</i>	0.07
		<i>For Epoxy Paint, Add</i>	0.12
		<i>For Up To 100, Add</i>	0.73
		<i>For &gt;100 To 250, Add</i>	0.35
		<i>For &gt;250 To 500, Add</i>	0.15
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.06
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.12
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.17
		<i>For &gt;20,000, Deduct</i>	-0.23

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 13 00-0213	SF	1 Coat Primer, Sprayed, Paint Exterior Concrete Floors And Decks .....	0.43		
		For Oil Based Paint, Add	0.03		
		For Epoxy Paint, Add	0.07		
		For Up To 100, Add	0.23		
		For >100 To 250, Add	0.11		
		For >250 To 500, Add	0.05		
		For >2,500 To 5,000, Deduct	-0.02		
		For >5,000 To 10,000, Deduct	-0.04		
		For >10,000 To 20,000, Deduct	-0.06		
		For >20,000, Deduct	-0.09		
09 91 13 00-0214	SF	1 Coat Paint, Sprayed, Paint Exterior Concrete Floors And Decks.....	0.53		
		For Oil Based Paint, Add	0.03		
		For Epoxy Paint, Add	0.07		
		For Up To 100, Add	0.31		
		For >100 To 250, Add	0.15		
		For >250 To 500, Add	0.07		
		For >2,500 To 5,000, Deduct	-0.03		
		For >5,000 To 10,000, Deduct	-0.05		
		For >10,000 To 20,000, Deduct	-0.08		
		For >20,000, Deduct	-0.11		
09 91 13 00-0215	SF	2 Coats Paint, Sprayed, Paint Exterior Concrete Floors And Decks.....	0.93		
		For Oil Based Paint, Add	0.06		
		For Epoxy Paint, Add	0.13		
		For Up To 100, Add	0.54		
		For >100 To 250, Add	0.26		
		For >250 To 500, Add	0.11		
		For >2,500 To 5,000, Deduct	-0.05		
		For >5,000 To 10,000, Deduct	-0.09		
		For >10,000 To 20,000, Deduct	-0.14		
		For >20,000, Deduct	-0.19		
09 91 13 00-0216	SF	1 Coat Non Slip Paint, Brush/Roller Work, Paint Exterior Concrete Floors And Decks .....	1.89		
		For Up To 100, Add	0.64		
		For >100 To 250, Add	0.34		
		For >250 To 500, Add	0.15		
		For >2,500 To 5,000, Deduct	-0.09		
		For >5,000 To 10,000, Deduct	-0.19		
		For >10,000 To 20,000, Deduct	-0.28		
		For >20,000, Deduct	-0.38		
09 91 13 00-0217	SF	1 Coat Anti-Slip, Single Component Epoxy Coating, Brush/Roller Work, Paint Exterior Concrete Floors And Decks .....	4.37		
		For Up To 100, Add	1.02		
		For >100 To 250, Add	0.59		
		For >250 To 500, Add	0.28		
		For >2,500 To 5,000, Deduct	-0.22		
		For >5,000 To 10,000, Deduct	-0.44		
		For >10,000 To 20,000, Deduct	-0.66		
		For >20,000, Deduct	-0.87		
09 91 13 00-0218	SF	1 Coat Anti-Slip High Performance Epoxy Coating, Brush/Roller Work, Paint Exterior Concrete Floors And Decks.....	5.41		
		For Up To 100, Add	1.17		
		For >100 To 250, Add	0.69		
		For >250 To 500, Add	0.33		
		For >2,500 To 5,000, Deduct	-0.27		
		For >5,000 To 10,000, Deduct	-0.54		
		For >10,000 To 20,000, Deduct	-0.81		
		For >20,000, Deduct	-1.08		

**09 91 13 00-0219 Paint Exterior Wood Floors** (09 91 13 00-0204)

09 91 13 00-0220	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Wood Floors And Decks.....	0.17		
		For Up To 100, Add	0.11		
		For >100 To 250, Add	0.05		
		For >250 To 500, Add	0.02		
		For >2,500 To 5,000, Deduct	-0.01		
		For >5,000 To 10,000, Deduct	-0.02		
		For >10,000 To 20,000, Deduct	-0.03		
		For >20,000, Deduct	-0.03		
09 91 13 00-0221	SF	1 Coat Primer, Brush Work, Paint Exterior Wood Floors And Decks .....	0.91		
		For Oil Based Paint, Add	0.06		
		For Up To 100, Add	0.57		
		For >100 To 250, Add	0.27		
		For >250 To 500, Add	0.12		
		For >2,500 To 5,000, Deduct	-0.05		
		For >5,000 To 10,000, Deduct	-0.09		
		For >10,000 To 20,000, Deduct	-0.14		
		For >20,000, Deduct	-0.18		
09 91 13 00-0222	SF	1 Coat Paint, Brush Work, Paint Exterior Wood Floors And Decks .....	0.99		
		For Oil Based Paint, Add	0.06		
		For Up To 100, Add	0.65		
		For >100 To 250, Add	0.31		
		For >250 To 500, Add	0.13		
		For >2,500 To 5,000, Deduct	-0.05		
		For >5,000 To 10,000, Deduct	-0.10		
		For >10,000 To 20,000, Deduct	-0.15		
		For >20,000, Deduct	-0.20		

**09 Finishes****09 90 Painting and Coating****09 91 Painting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

09 91 13 00-0223	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Floors And Decks.....	1.86	
		<i>For Oil Based Paint, Add</i>	0.11	
		<i>For Up To 100, Add</i>	1.20	
		<i>For &gt;100 To 250, Add</i>	0.57	
		<i>For &gt;250 To 500, Add</i>	0.25	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.09	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.19	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.28	
		<i>For &gt;20,000, Deduct</i>	-0.37	
09 91 13 00-0224	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Floors And Decks.....	0.82	
		<i>For Oil Based Paint, Add</i>	0.05	
		<i>For Up To 100, Add</i>	0.48	
		<i>For &gt;100 To 250, Add</i>	0.23	
		<i>For &gt;250 To 500, Add</i>	0.10	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.08	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.12	
		<i>For &gt;20,000, Deduct</i>	-0.16	
09 91 13 00-0225	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Floors And Decks.....	0.90	
		<i>For Oil Based Paint, Add</i>	0.05	
		<i>For Up To 100, Add</i>	0.56	
		<i>For &gt;100 To 250, Add</i>	0.27	
		<i>For &gt;250 To 500, Add</i>	0.12	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.09	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.14	
		<i>For &gt;20,000, Deduct</i>	-0.18	
09 91 13 00-0226	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Floors And Decks.....	1.45	
		<i>For Oil Based Paint, Add</i>	0.09	
		<i>For Up To 100, Add</i>	0.86	
		<i>For &gt;100 To 250, Add</i>	0.41	
		<i>For &gt;250 To 500, Add</i>	0.18	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.07	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.15	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.22	
		<i>For &gt;20,000, Deduct</i>	-0.29	
09 91 13 00-0227	SF	1 Coat Primer, Sprayed, Paint Exterior Wood Floors And Decks.....	0.55	
		<i>For Oil Based Paint, Add</i>	0.04	
		<i>For Up To 100, Add</i>	0.32	
		<i>For &gt;100 To 250, Add</i>	0.15	
		<i>For &gt;250 To 500, Add</i>	0.07	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.03	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.06	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.08	
		<i>For &gt;20,000, Deduct</i>	-0.11	
09 91 13 00-0228	SF	1 Coat Paint, Sprayed, Paint Exterior Wood Floors And Decks.....	0.69	
		<i>For Oil Based Paint, Add</i>	0.04	
		<i>For Up To 100, Add</i>	0.42	
		<i>For &gt;100 To 250, Add</i>	0.20	
		<i>For &gt;250 To 500, Add</i>	0.09	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.03	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.07	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.10	
		<i>For &gt;20,000, Deduct</i>	-0.14	
09 91 13 00-0229	SF	2 Coats Paint, Sprayed, Paint Exterior Wood Floors And Decks.....	1.12	
		<i>For Oil Based Paint, Add</i>	0.07	
		<i>For Up To 100, Add</i>	0.65	
		<i>For &gt;100 To 250, Add</i>	0.31	
		<i>For &gt;250 To 500, Add</i>	0.14	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.06	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.11	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.17	
		<i>For &gt;20,000, Deduct</i>	-0.22	
09 91 13 00-0230	SF	1 Coat Non Slip Paint, Brush Work, Paint Exterior Wood Floors And Decks.....	2.01	
		<i>For Up To 100, Add</i>	0.73	
		<i>For &gt;100 To 250, Add</i>	0.38	
		<i>For &gt;250 To 500, Add</i>	0.17	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.10	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.20	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.30	
		<i>For &gt;20,000, Deduct</i>	-0.40	
09 91 13 00-0231	SF	1 Coat Non Slip Epoxy Coating, Brush Work, Paint Exterior Wood Floors And Decks.....	5.53	
		<i>For Up To 100, Add</i>	1.26	
		<i>For &gt;100 To 250, Add</i>	0.73	
		<i>For &gt;250 To 500, Add</i>	0.35	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.28	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.55	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.83	
		<i>For &gt;20,000, Deduct</i>	-1.11	

09 91 13 00-0232 Paint Exterior Doors And Windows (09 91 13)

09 91 13 00-0233 Paint Exterior Door Frames (09 91 13 00-0232)

09 91 13 00-0234	LF	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Door Frame And Trim.....	1.24	
		<i>For Painting Either Interior Or Exterior Only, Deduct</i>	-0.32	
09 91 13 00-0235	LF	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Door Frame And Trim.....	1.61	
		<i>For Painting Either Interior Or Exterior Only, Deduct</i>	-0.42	
09 91 13 00-0236	LF	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Door Frame And Trim.....	2.73	
		<i>For Painting Either Interior Or Exterior Only, Deduct</i>	-0.71	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 13 00-0237	LF	1	Coat Primer, Brush/Roller Work, Paint Exterior Metal Door Frame And Trim.....		1.28	
			<i>For Painting Either Interior Or Exterior Only, Deduct</i>		-0.34	
09 91 13 00-0238	LF	1	Coat Paint, Brush/Roller Work, Paint Exterior Metal Door Frame And Trim.....		1.65	
			<i>For Painting Either Interior Or Exterior Only, Deduct</i>		-0.43	
09 91 13 00-0239	LF	2	Coats Paint, Brush/Roller Work, Paint Exterior Metal Door Frame And Trim.....		2.79	
			<i>For Painting Either Interior Or Exterior Only, Deduct</i>		-0.73	

**09 91 13 00-0240 Paint Exterior Metal Doors** (09 91 13 00-0232)

09 91 13 00-0241	EA	1	Coat Primer, Brush/Roller Work, Paint Exterior Metal Door.....		54.17	
			Note: One face			
			<i>For Half Louvered Door, Add</i>		5.18	
			<i>For Full Louvered Door, Add</i>		8.64	
			<i>For Electrostatic Painting, Add</i>		8.36	
			<i>For &gt;5 To 10, Deduct</i>		-2.71	
			<i>For &gt;10 To 25, Deduct</i>		-5.42	
			<i>For &gt;25, Deduct</i>		-8.13	
09 91 13 00-0242	EA	1	Coat Paint, Brush/Roller Work, Paint Exterior Metal Door.....		54.17	
			Note: One face			
			<i>For Half Louvered Door, Add</i>		5.18	
			<i>For Full Louvered Door, Add</i>		8.64	
			<i>For Electrostatic Painting, Add</i>		8.36	
			<i>For &gt;5 To 10, Deduct</i>		-2.71	
			<i>For &gt;10 To 25, Deduct</i>		-5.42	
			<i>For &gt;25, Deduct</i>		-8.13	
09 91 13 00-0243	EA	2	Coat Paint, Brush/Roller Work, Paint Exterior Metal Door.....		97.35	
			Note: One face			
			<i>For Half Louvered Door, Add</i>		8.75	
			<i>For Full Louvered Door, Add</i>		14.59	
			<i>For Electrostatic Painting, Add</i>		15.59	
			<i>For &gt;5 To 10, Deduct</i>		-4.87	
			<i>For &gt;10 To 25, Deduct</i>		-9.74	
			<i>For &gt;25, Deduct</i>		-14.60	
09 91 13 00-0244	EA	1	Coat Primer, Brush/Roller Work, Paint Exterior Metal Door.....		97.22	
			Note: Both faces			
			<i>For Half Louvered Door, Add</i>		9.29	
			<i>For Full Louvered Door, Add</i>		15.49	
			<i>For Electrostatic Painting, Add</i>		15.01	
			<i>For &gt;5 To 10, Deduct</i>		-4.86	
			<i>For &gt;10 To 25, Deduct</i>		-9.72	
			<i>For &gt;25, Deduct</i>		-14.58	
09 91 13 00-0245	EA	1	Coat Paint, Brush/Roller Work, Paint Exterior Metal Door.....		97.22	
			Note: Both faces			
			<i>For Half Louvered Door, Add</i>		9.29	
			<i>For Full Louvered Door, Add</i>		15.49	
			<i>For Electrostatic Painting, Add</i>		15.01	
			<i>For &gt;5 To 10, Deduct</i>		-4.86	
			<i>For &gt;10 To 25, Deduct</i>		-9.72	
			<i>For &gt;25, Deduct</i>		-14.58	
09 91 13 00-0246	EA	2	Coats Paint, Brush/Roller Work, Paint Exterior Metal Door.....		175.33	
			Note: Both faces			
			<i>For Half Louvered Door, Add</i>		15.72	
			<i>For Full Louvered Door, Add</i>		26.20	
			<i>For Electrostatic Painting, Add</i>		28.11	
			<i>For &gt;5 To 10, Deduct</i>		-8.77	
			<i>For &gt;10 To 25, Deduct</i>		-17.53	
			<i>For &gt;25, Deduct</i>		-26.30	
09 91 13 00-0247	EA	1	Coat Primer, Sprayed, Paint Exterior Metal Door.....		47.13	
			Note: One face			
			<i>For Half Louvered Door, Add</i>		3.83	
			<i>For Full Louvered Door, Add</i>		6.39	
			<i>For Electrostatic Painting, Add</i>		7.95	
			<i>For &gt;5 To 10, Deduct</i>		-2.36	
			<i>For &gt;10 To 25, Deduct</i>		-4.71	
			<i>For &gt;25, Deduct</i>		-7.07	
09 91 13 00-0248	EA	1	Coat Paint, Sprayed, Paint Exterior Metal Door.....		47.13	
			Note: One face			
			<i>For Half Louvered Door, Add</i>		3.83	
			<i>For Full Louvered Door, Add</i>		6.39	
			<i>For Electrostatic Painting, Add</i>		7.95	
			<i>For &gt;5 To 10, Deduct</i>		-2.36	
			<i>For &gt;10 To 25, Deduct</i>		-4.71	
			<i>For &gt;25, Deduct</i>		-7.07	
09 91 13 00-0249	EA	2	Coats Paint, Sprayed, Paint Exterior Metal Door.....		86.03	
			Note: One face			
			<i>For Half Louvered Door, Add</i>		6.47	
			<i>For Full Louvered Door, Add</i>		10.78	
			<i>For Electrostatic Painting, Add</i>		15.04	
			<i>For &gt;5 To 10, Deduct</i>		-4.30	
			<i>For &gt;10 To 25, Deduct</i>		-8.60	
			<i>For &gt;25, Deduct</i>		-12.90	
09 91 13 00-0250	EA	1	Coat Primer, Sprayed, Paint Exterior Metal Door.....		84.59	
			Note: Both faces			
			<i>For Half Louvered Door, Add</i>		6.87	
			<i>For Full Louvered Door, Add</i>		11.45	
			<i>For Electrostatic Painting, Add</i>		14.28	
			<i>For &gt;5 To 10, Deduct</i>		-4.23	
			<i>For &gt;10 To 25, Deduct</i>		-8.46	
			<i>For &gt;25, Deduct</i>		-12.69	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

09 91 13 00-0251	EA	1 Coat Paint, Sprayed, Paint Exterior Metal Door .....	84.59	
		Note: Both faces		
		For Half Louvered Door, Add	6.87	
		For Full Louvered Door, Add	11.45	
		For Electrostatic Painting, Add	14.28	
		For >5 To 10, Deduct	-4.23	
		For >10 To 25, Deduct	-8.46	
		For >25, Deduct	-12.69	
09 91 13 00-0252	EA	2 Coats Paint, Sprayed, Paint Exterior Metal Door .....	155.07	
		Note: Both faces		
		For Half Louvered Door, Add	11.62	
		For Full Louvered Door, Add	19.37	
		For Electrostatic Painting, Add	27.15	
		For >5 To 10, Deduct	-7.75	
		For >10 To 25, Deduct	-15.51	
		For >25, Deduct	-23.26	
09 91 13 00-0253	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door .....	2.69	
		For Electrostatic Painting, Add	0.32	
09 91 13 00-0254	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door.....	2.82	
		For Electrostatic Painting, Add	0.35	
09 91 13 00-0255	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Overhead, Section Door, Or Roll Up Door.....	5.80	
		For Electrostatic Painting, Add	0.70	
09 91 13 00-0256	SF	1 Coat Primer, Sprayed, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door.....	2.73	
		For Electrostatic Painting, Add	0.32	
09 91 13 00-0257	SF	1 Coat Paint, Sprayed, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door .....	2.86	
		For Electrostatic Painting, Add	0.36	
09 91 13 00-0258	SF	2 Coats Paint, Sprayed, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door .....	5.53	
		For Electrostatic Painting, Add	0.68	

**09 91 13 00-0259 Paint Exterior Wood Doors (09 91 13 00-0232)**

09 91 13 00-0260	EA	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Door .....	47.31	
		Note: One face		
		For Half Louvered Door, Add	5.18	
		For Full Louvered Door, Add	8.64	
		For >5 To 10, Deduct	-2.37	
		For >10 To 25, Deduct	-4.73	
		For >25, Deduct	-7.10	
09 91 13 00-0261	EA	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Door.....	47.31	
		Note: One face		
		For Half Louvered Door, Add	5.18	
		For Full Louvered Door, Add	8.64	
		For >5 To 10, Deduct	-2.37	
		For >10 To 25, Deduct	-4.73	
		For >25, Deduct	-7.10	
09 91 13 00-0262	EA	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Door .....	83.70	
		Note: One face		
		For Half Louvered Door, Add	8.75	
		For Full Louvered Door, Add	14.59	
		For >5 To 10, Deduct	-4.19	
		For >10 To 25, Deduct	-8.37	
		For >25, Deduct	-12.56	
09 91 13 00-0263	EA	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Door .....	84.87	
		Note: Both faces		
		For Half Louvered Door, Add	9.29	
		For Full Louvered Door, Add	15.49	
		For >5 To 10, Deduct	-4.24	
		For >10 To 25, Deduct	-8.49	
		For >25, Deduct	-12.73	
09 91 13 00-0264	EA	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Door.....	84.87	
		Note: Both faces		
		For Half Louvered Door, Add	9.29	
		For Full Louvered Door, Add	15.49	
		For >5 To 10, Deduct	-4.24	
		For >10 To 25, Deduct	-8.49	
		For >25, Deduct	-12.73	
09 91 13 00-0265	EA	2 Coats Paint, Brush Roller Work, Paint Exterior Wood Door .....	150.65	
		Note: Both faces		
		For Half Louvered Door, Add	15.72	
		For Full Louvered Door, Add	26.20	
		For >5 To 10, Deduct	-7.53	
		For >10 To 25, Deduct	-15.07	
		For >25, Deduct	-22.60	
09 91 13 00-0266	EA	1 Coat Primer, Sprayed, Paint Exterior Wood Door.....	39.57	
		Note: One face		
		For Half Louvered Door, Add	3.83	
		For Full Louvered Door, Add	6.39	
		For >5 To 10, Deduct	-1.98	
		For >10 To 25, Deduct	-3.96	
		For >25, Deduct	-5.94	
09 91 13 00-0267	EA	1 Coat Paint, Sprayed, Paint Exterior Wood Door .....	39.57	
		Note: One face		
		For Half Louvered Door, Add	3.83	
		For Full Louvered Door, Add	6.39	
		For >5 To 10, Deduct	-1.98	
		For >10 To 25, Deduct	-3.96	
		For >25, Deduct	-5.94	



		<b>Finishes</b>	<b>09</b>
		<b>Painting and Coating</b>	<b>09 90</b>
		<b>Painting</b>	<b>09 91</b>
MINOR		TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION		UNIT COST	UNIT COST

09 91 13 00-0268	EA	2 Coats Paint, Sprayed, Paint Exterior Wood Door .....	71.04
		Note: One face	
		For Half Louvered Door, Add	6.47
		For Full Louvered Door, Add	10.79
		For >5 To 10, Deduct	-3.55
		For >10 To 25, Deduct	-7.10
		For >25, Deduct	-10.66
09 91 13 00-0269	EA	1 Coat Primer, Sprayed, Paint Exterior Wood Door .....	71.02
		Note: Both faces	
		For Half Louvered Door, Add	6.87
		For Full Louvered Door, Add	11.45
		For >5 To 10, Deduct	-3.55
		For >10 To 25, Deduct	-7.10
		For >25, Deduct	-10.65
09 91 13 00-0270	EA	1 Coat Paint, Sprayed, Paint Exterior Wood Door .....	71.02
		Note: Both faces	
		For Half Louvered Door, Add	6.87
		For Full Louvered Door, Add	11.45
		For >5 To 10, Deduct	-3.55
		For >10 To 25, Deduct	-7.10
		For >25, Deduct	-10.65
09 91 13 00-0271	EA	2 Coats Paint, Sprayed, Paint Exterior Wood Door .....	127.91
		Note: Both faces	
		For Half Louvered Door, Add	11.62
		For Full Louvered Door, Add	19.37
		For >5 To 10, Deduct	-6.40
		For >10 To 25, Deduct	-12.79
		For >25, Deduct	-19.19
09 91 13 00-0272	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door .....	2.60
09 91 13 00-0273	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door .....	2.66
09 91 13 00-0274	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door .....	5.51
09 91 13 00-0275	SF	1 Coat Primer, Sprayed, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door .....	2.62
09 91 13 00-0276	SF	1 Coat Paint, Sprayed, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door .....	2.70
09 91 13 00-0277	SF	2 Coats Paint, Sprayed, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door .....	5.23
<b>09 91 13 00-0278 Paint Exterior Metal Windows</b> <small>(09 91 13 00-0232)</small>			
		Note: Two finish coats paint over rust inhibitive primer.	
09 91 13 00-0279	EA	Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim .....	90.47
		For Electrostatic Painting, Add	11.00
		For >5 To 10, Deduct	-4.52
		For >10 To 25, Deduct	-9.05
		For >25, Deduct	-13.57
09 91 13 00-0280	EA	>8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim .....	109.49
		For Electrostatic Painting, Add	13.97
		For >5 To 10, Deduct	-5.47
		For >10 To 25, Deduct	-10.95
		For >25, Deduct	-16.42
09 91 13 00-0281	EA	>14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim .....	147.73
		For Electrostatic Painting, Add	19.06
		For >5 To 10, Deduct	-7.39
		For >10 To 25, Deduct	-14.77
		For >25, Deduct	-22.16
09 91 13 00-0282	EA	>20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim .....	166.37
		For Electrostatic Painting, Add	21.49
		For >5 To 10, Deduct	-8.32
		For >10 To 25, Deduct	-16.64
		For >25, Deduct	-24.96
09 91 13 00-0283	EA	>26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim .....	184.50
		For Electrostatic Painting, Add	23.79
		For >5 To 10, Deduct	-9.23
		For >10 To 25, Deduct	-18.45
		For >25, Deduct	-27.68
09 91 13 00-0284	SF	>34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim .....	5.85
		For Electrostatic Painting, Add	0.75
<b>09 91 13 00-0285 Paint Exterior Wood Windows</b> <small>(09 91 13 00-0232)</small>			
		Note: Two finish coats paint over primer.	
09 91 13 00-0286	EA	Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim .....	85.91
		For >5 To 10, Deduct	-4.30
		For >10 To 25, Deduct	-8.59
		For >25, Deduct	-12.89
09 91 13 00-0287	EA	>8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim .....	102.44
		For >5 To 10, Deduct	-5.12
		For >10 To 25, Deduct	-10.24
		For >25, Deduct	-15.37
09 91 13 00-0288	EA	>14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim .....	137.72
		For >5 To 10, Deduct	-6.89
		For >10 To 25, Deduct	-13.77
		For >25, Deduct	-20.66

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0289	EA >20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim .....	155.06	
	For >5 To 10, Deduct .....	-7.75	
	For >10 To 25, Deduct .....	-15.51	
	For >25, Deduct .....	-23.26	
09 91 13 00-0290	EA >26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim .....	172.05	
	For >5 To 10, Deduct .....	-8.60	
	For >10 To 25, Deduct .....	-17.21	
	For >25, Deduct .....	-25.81	
09 91 13 00-0291	SF >34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim.....	5.77	
<b>09 91 13 00-0292 Paint Exterior Security Screens (09 91 13 00-0232)</b>			
09 91 13 00-0293	SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Security Screen.....	1.53	
	For Electrostatic Painting, Add .....	0.20	
09 91 13 00-0294	SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Security Screen .....	1.57	
	For Electrostatic Painting, Add .....	0.19	
09 91 13 00-0295	SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Security Screen.....	2.60	
	For Electrostatic Painting, Add .....	0.32	
<b>09 91 13 00-0296 Paint Exterior Window Guards (09 91 13 00-0232)</b>			
09 91 13 00-0297	SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Window Guards .....	1.53	
09 91 13 00-0298	SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Window Guards.....	1.57	
09 91 13 00-0299	SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Window Guards.....	2.60	
<b>09 91 13 00-0300 Paint Exterior Window Trim (09 91 13 00-0232)</b>			
09 91 13 00-0301	LF 1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Window Frame And Trim.....	1.32	
09 91 13 00-0302	LF 1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Window Frame And Trim.....	1.32	
09 91 13 00-0303	LF 2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Window Frame And Trim .....	2.11	
09 91 13 00-0304	LF 1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Window Frame And Trim .....	1.58	
09 91 13 00-0305	LF 1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Window Frame And Trim .....	1.58	
09 91 13 00-0306	LF 2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Window Frame And Trim.....	2.62	
<b>09 91 13 00-0307 Paint Roofing And Trim (09 91 13)</b>			
<b>09 91 13 00-0308 Paint Stain Or Seal Wood Roofing (09 91 13 00-0307)</b>			
09 91 13 00-0309	SF 1 Coat, Brush/Roller Work, Stain And Seal Shingles/Shake .....	1.81	
	For Up To 100, Add .....	1.02	
	For >100 To 250, Add .....	0.49	
	For >250 To 500, Add .....	0.21	
09 91 13 00-0310	SF 2 Coats, Brush/Roller Work, Stain And Seal Shingles/Shake .....	3.31	
	For Up To 100, Add .....	1.83	
	For >100 To 250, Add .....	0.89	
	For >250 To 500, Add .....	0.39	
<b>09 91 13 00-0311 Paint Metal Roofing (09 91 13 00-0307)</b>			
09 91 13 00-0312	SF 1 Coat Paint, Brush/Roller Work, Paint Metal Roofing .....	0.86	
	For Up To 100, Add .....	0.42	
	For >100 To 250, Add .....	0.21	
	For >250 To 500, Add .....	0.09	
09 91 13 00-0313	SF 2 Coats Paint, Brush/Roller Work, Paint Metal Roofing .....	1.51	
	For Up To 100, Add .....	0.76	
	For >100 To 250, Add .....	0.37	
	For >250 To 500, Add .....	0.16	
<b>09 91 13 00-0314 Paint Fascia Board (09 91 13 00-0307)</b>			
09 91 13 00-0315	LF 1 Coat Primer, Brush/Roller Work, Paint Fascia Board.....	0.73	
	For Up To 100, Add .....	0.40	
	For >100 To 250, Add .....	0.20	
	For >250 To 500, Add .....	0.09	
09 91 13 00-0316	LF 1 Coat Paint, Brush/Roller Work, Paint Fascia Board.....	0.73	
	For Up To 100, Add .....	0.40	
	For >100 To 250, Add .....	0.20	
	For >250 To 500, Add .....	0.09	
09 91 13 00-0317	LF 2 Coats Paint, Brush/Roller Work, Paint Fascia Board.....	1.29	
	For Up To 100, Add .....	0.73	
	For >100 To 250, Add .....	0.35	
	For >250 To 500, Add .....	0.15	
<b>09 91 13 00-0318 Paint Soffit (09 91 13 00-0307)</b>			
09 91 13 00-0319	SF 1 Coat Primer, Brush/Roller Work, Paint Soffit .....	0.84	
	For Up To 100, Add .....	0.42	
	For >100 To 250, Add .....	0.21	
	For >250 To 500, Add .....	0.09	
09 91 13 00-0320	SF 1 Coat Paint, Brush/Roller Work, Paint Soffit.....	0.84	
	For Up To 100, Add .....	0.42	
	For >100 To 250, Add .....	0.21	
	For >250 To 500, Add .....	0.09	

		<b>Finishes</b>	<b>09</b>
		Painting and Coating	09 90
		Painting	09 91
MINOR		TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION		UNIT COST	UNIT COST

	09 91 13 00-0321	SF 2 Coats Paint, Brush/Roller Work, Paint Soffit.....	1.46
		For Up To 100, Add	0.75
		For >100 To 250, Add	0.37
		For >250 To 500, Add	0.16
	09 91 13 00-0322	<b>Paint Site Work</b> (09 91 13)	
		Note: Tasks can be used for exterior or interior applications.	
	09 91 13 00-0323	<b>Paint Structural Steel</b> (09 91 13 00-0322)	
	09 91 13 00-0324	<b>Paint Structural Steel, Brush Work</b> (09 91 13 00-0323)	
	09 91 13 00-0325	SF 1 Field Coat Primer, Brush/Roller Work, Paint Exterior Structural Steel.....	1.06
		For Up To 100, Add	0.68
		For >100 To 250, Add	0.32
		For >250 To 500, Add	0.14
		For Epoxy Paint, Add	0.11
	09 91 13 00-0326	SF 1 Field Coat Paint, Brush/Roller Work, Paint Exterior Structural Steel.....	0.93
		For Up To 100, Add	0.58
		For >100 To 250, Add	0.28
		For >250 To 500, Add	0.12
		For Epoxy Paint, Add	0.10
	09 91 13 00-0327	<b>Paint Structural Steel, Spray Work</b> (09 91 13 00-0323)	
	09 91 13 00-0328	SF 1 Field Coat Primer, Sprayed, Paint Exterior Structural Steel.....	0.73
		For Electrostatic Painting, Add	0.10
		For Up To 100, Add	0.43
		For >100 To 250, Add	0.21
		For >250 To 500, Add	0.09
		For Epoxy Paint, Add	0.09
	09 91 13 00-0329	SF 1 Field Coat Paint, Sprayed, Paint Exterior Structural Steel.....	0.61
		For Electrostatic Painting, Add	0.09
		For Up To 100, Add	0.34
		For >100 To 250, Add	0.17
		For >250 To 500, Add	0.07
		For Epoxy Paint, Add	0.09
	09 91 13 00-0330	<b>Paint Metal Decking, Beams And Bar Joist</b> (09 91 13 00-0323)	
	09 91 13 00-0331	SF 1 Coat Primer, Sprayed, Paint Exposed Metal Decking.....	0.82
		For Up To 100, Add	0.50
		For >100 To 250, Add	0.24
		For >250 To 500, Add	0.10
		For Epoxy Paint, Add	0.10
	09 91 13 00-0332	SF 1 Coat Paint, Sprayed, Paint Exposed Metal Decking.....	0.82
		For Up To 100, Add	0.50
		For >100 To 250, Add	0.24
		For >250 To 500, Add	0.10
		For Epoxy Paint, Add	0.10
	09 91 13 00-0333	SF 2 Coats Paint, Sprayed, Paint Exposed Metal Decking.....	1.38
		For Up To 100, Add	0.81
		For >100 To 250, Add	0.39
		For >250 To 500, Add	0.17
		For Epoxy Paint, Add	0.18
	09 91 13 00-0334	SF 1 Coat Primer, Brush/Roller Work, Paint Metal Beams And Bar Joists.....	1.28
		For Up To 100, Add	0.74
		For >100 To 250, Add	0.36
		For >250 To 500, Add	0.16
		For Epoxy Paint, Add	0.18
	09 91 13 00-0335	SF 1 Coat Paint, Brush/Roller Work, Paint Metal Beams And Bar Joists.....	1.25
		For Up To 100, Add	0.75
		For >100 To 250, Add	0.36
		For >250 To 500, Add	0.16
		For Epoxy Paint, Add	0.16
	09 91 13 00-0336	SF 2 Coats Paint, Brush/Roller Work, Paint Metal Beams And Bar Joists.....	2.36
		For Up To 100, Add	1.38
		For >100 To 250, Add	0.66
		For >250 To 500, Add	0.29
		For Epoxy Paint, Add	0.31
	09 91 13 00-0337	SF 1 Coat Primer, Sprayed, Paint Metal Beams And Bar Joists.....	1.02
		For Up To 100, Add	0.60
		For >100 To 250, Add	0.29
		For >250 To 500, Add	0.13
		For Epoxy Paint, Add	0.14
	09 91 13 00-0338	SF 1 Coat Paint, Sprayed, Paint Metal Beams And Bar Joists.....	1.02
		For Up To 100, Add	0.60
		For >100 To 250, Add	0.29
		For >250 To 500, Add	0.13
		For Epoxy Paint, Add	0.14
	09 91 13 00-0339	SF 2 Coats Paint, Sprayed, Paint Metal Beams And Bar Joists.....	1.70
		For Up To 100, Add	0.95
		For >100 To 250, Add	0.46
		For >250 To 500, Add	0.20
		For Epoxy Paint, Add	0.25
	09 91 13 00-0340	<b>Paint Steel Pipes</b> (09 91 13 00-0322)	
		Note: Includes pipe, tubes, rails, conduit, etc.	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0341	LF 1 Coat Primer, Paint Conduit, Steel Pipe 1/2" To 1-1/2" Diameter.....	1.78	
	For Electrostatic Painting, Add	0.22	
	For Epoxy Paint, Add	0.18	
09 91 13 00-0342	LF 1 Coat Primer, Paint Conduit, Steel Pipe 2" To 3-1/2" Diameter.....	1.98	
	For Electrostatic Painting, Add	0.25	
	For Epoxy Paint, Add	0.20	
09 91 13 00-0343	LF 1 Coat Primer, Paint Steel Pipes 4" Diameter.....	2.24	
	For Electrostatic Painting, Add	0.28	
	For Epoxy Paint, Add	0.23	
09 91 13 00-0344	LF 1 Coat Primer, Paint Steel Pipes 6" To 8" Diameter .....	2.80	
	For Electrostatic Painting, Add	0.35	
	For Epoxy Paint, Add	0.28	
09 91 13 00-0345	LF 1 Coat Primer, Paint Steel Pipes 10" To 12" Diameter .....	3.55	
	For Electrostatic Painting, Add	0.44	
	For Epoxy Paint, Add	0.35	
09 91 13 00-0346	LF 1 Coat, Paint Conduit, Steel Pipe 1/2" To 1-1/2" Diameter .....	1.78	
	For Electrostatic Painting, Add	0.22	
	For Epoxy Paint, Add	0.18	
09 91 13 00-0347	LF 1 Coat, Paint Conduit, Steel Pipe 2" To 3-1/2" Diameter .....	1.98	
	For Electrostatic Painting, Add	0.25	
	For Epoxy Paint, Add	0.20	
09 91 13 00-0348	LF 1 Coat, Paint Steel Pipes 4" Diameter .....	2.24	
	For Electrostatic Painting, Add	0.28	
	For Epoxy Paint, Add	0.23	
09 91 13 00-0349	LF 1 Coat, Paint Steel Pipes 6" To 8" Diameter .....	2.80	
	For Electrostatic Painting, Add	0.35	
	For Epoxy Paint, Add	0.28	
09 91 13 00-0350	LF 1 Coat, Paint Steel Pipes 10" To 12" Diameter .....	3.55	
	For Electrostatic Painting, Add	0.44	
	For Epoxy Paint, Add	0.35	
09 91 13 00-0351	LF 2 Coats, Paint Conduit, Steel Pipe 1/2" To 1-1/2" Diameter .....	3.59	
	For Electrostatic Painting, Add	0.47	
	For Epoxy Paint, Add	0.40	
09 91 13 00-0352	LF 2 Coats, Paint Conduit, Steel Pipe 2" To 3-1/2" Diameter .....	3.97	
	For Electrostatic Painting, Add	0.50	
	For Epoxy Paint, Add	0.40	
09 91 13 00-0353	LF 2 Coats, Paint Steel Pipes 4" Diameter.....	4.30	
	For Electrostatic Painting, Add	0.54	
	For Epoxy Paint, Add	0.44	
09 91 13 00-0354	LF 2 Coats, Paint Steel Pipes 6" To 8" Diameter .....	5.42	
	For Electrostatic Painting, Add	0.68	
	For Epoxy Paint, Add	0.54	
09 91 13 00-0355	LF 2 Coats, Paint Steel Pipes 10" To 12" Diameter .....	6.67	
	For Electrostatic Painting, Add	0.84	
	For Epoxy Paint, Add	0.68	
09 91 13 00-0356	EA 1 Coat, Paint Exposed Single Or Double Gang, Outlet Box.....	8.86	
	For Electrostatic Painting, Add	0.93	
	For Epoxy Paint, Add	0.53	
<b>09 91 13 00-0357</b>	<b>Paint Fencing</b> (09 91 13 00-0322)		
	Note: Per side of fence. Based on gross fence area (length of fence x height of fence).		
09 91 13 00-0358	SF 1 Coat Paint, Brush/Roller, Paint Existing Chain Link Fence.....	0.89	
	For Epoxy Paint, Add	0.10	
	For Up To 100, Add	0.57	
	For >100 To 250, Add	0.27	
	For >250 To 500, Add	0.12	
09 91 13 00-0359	SF 2 Coats Paint, Brush/Roller, Paint Existing Chain Link Fence .....	1.66	
	For Epoxy Paint, Add	0.18	
	For Up To 100, Add	1.05	
	For >100 To 250, Add	0.50	
	For >250 To 500, Add	0.22	
09 91 13 00-0360	SF 1 Coat Paint, Sprayed, Paint Existing Chain Link Fence .....	0.74	
	For Epoxy Paint, Add	0.10	
	For Electrostatic Painting, Add	0.11	
	For Up To 100, Add	0.43	
	For >100 To 250, Add	0.21	
	For >250 To 500, Add	0.09	
09 91 13 00-0361	SF 2 Coats Paint, Sprayed, Paint Existing Chain Link Fence.....	1.37	
	For Epoxy Paint, Add	0.19	
	For Electrostatic Painting, Add	0.20	
	For Up To 100, Add	0.78	
	For >100 To 250, Add	0.38	
	For >250 To 500, Add	0.16	
09 91 13 00-0362	SF 1 Coat Primer, Brush/Roller, Paint Wrought Iron Fence .....	0.81	
	For Epoxy Paint, Add	0.10	
	For Up To 100, Add	0.48	
	For >100 To 250, Add	0.23	
	For >250 To 500, Add	0.10	
09 91 13 00-0363	SF 1 Coat, Brush/Roller, Paint Wrought Iron Fence.....	0.77	
	For Epoxy Paint, Add	0.09	
	For Up To 100, Add	0.48	
	For >100 To 250, Add	0.23	
	For >250 To 500, Add	0.10	
09 91 13 00-0364	SF Each Additional Coat, Brush/Roller, Paint Wrought Iron Fence .....	0.54	
	For Epoxy Paint, Add	0.08	
	For Up To 100, Add	0.30	
	For >100 To 250, Add	0.15	
	For >250 To 500, Add	0.06	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91	13 00-0365	SF	1 Coat Primer, Brush/Roller, Paint Picket Fence .....	1.03	
			For Epoxy Paint, Add	0.08	
			For Up To 100, Add	0.72	
			For >100 To 250, Add	0.34	
			For >250 To 500, Add	0.15	
09 91	13 00-0366	SF	1 Coat, Brush/Roller, Paint Picket Fence.....	1.03	
			For Epoxy Paint, Add	0.08	
			For Up To 100, Add	0.72	
			For >100 To 250, Add	0.34	
			For >250 To 500, Add	0.15	
09 91	13 00-0367	SF	Each Additional Coat, Brush/Roller, Paint Picket Fence.....	0.73	
			For Epoxy Paint, Add	0.06	
			For Up To 100, Add	0.50	
			For >100 To 250, Add	0.24	
			For >250 To 500, Add	0.10	
09 91	13 00-0368	SF	1 Coat, Brush/Roller, Paint Wood Fences .....	0.74	
			For Up To 100, Add	0.47	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.10	
09 91	13 00-0369	SF	2 Coats, Brush/Roller, Paint Wood Fences.....	1.30	
			For Up To 100, Add	0.81	
			For >100 To 250, Add	0.39	
			For >250 To 500, Add	0.17	
09 91	13 00-0370	SF	1 Coat, Sprayed, Paint Wood Fences.....	0.53	
			For Up To 100, Add	0.31	
			For >100 To 250, Add	0.15	
			For >250 To 500, Add	0.07	
09 91	13 00-0371	SF	2 Coats, Sprayed, Paint Wood Fences.....	0.99	
			For Up To 100, Add	0.58	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
<b>09 91 13 00-0372 Paint Metal Louvers</b> (09 91 13 00-0322)					
09 91	13 00-0373	SF	1 Coat Primer, Brush/Roller Work, Paint Ventilation Louver, SF Of Opening Area.....	1.48	
			For Electrostatic Painting, Add	0.17	
09 91	13 00-0374	SF	1 Coat Alkyd, Brush/Roller Work, Paint Ventilation Louver, SF Of Opening Area .....	1.50	
			For Electrostatic Painting, Add	0.18	
09 91	13 00-0375	SF	2 Coats Alkyd, Brush/Roller Work, Paint Ventilation Louver, SF Of Opening Area.....	3.06	
			For Electrostatic Painting, Add	0.37	
<b>09 91 13 00-0376 Paint Ladders</b> (09 91 13 00-0322)					
09 91	13 00-0377	LF	1 Coat Alkyd Primer, Brush/Roller Work, Paint Ladders.....	4.07	
			For Epoxy Paint, Add	0.25	
09 91	13 00-0378	LF	1 Coat Alkyd Enamel, Brush/Roller Work, Paint Ladders .....	4.55	
			For Epoxy Paint, Add	0.27	
09 91	13 00-0379	LF	2 Coats Alkyd Enamel, Brush/Roller Work, Paint Ladders.....	8.97	
			For Epoxy Paint, Add	0.51	
<b>09 91 13 00-0380 Paint Handrails</b> (09 91 13 00-0322)					
09 91	13 00-0381	LF	1 Coat Alkyd Primer, Brush/Roller Work, 1 Rail, Paint Hand Rail And Bracket .....	1.61	
			For Epoxy Paint, Add	0.12	
09 91	13 00-0382	LF	1 Coat Alkyd Enamel, Brush/Roller Work, 1 Rail, Paint Hand Rail And Bracket.....	1.79	
			For Epoxy Paint, Add	0.13	
09 91	13 00-0383	LF	2 Coats Alkyd Enamel, Brush/Roller Work, 1 Rail, Paint Hand Rail And Bracket .....	2.96	
			For Epoxy Paint, Add	0.19	
09 91	13 00-0384	LF	1 Coat Alkyd Primer, Brush/Roller Work, 1 Rail, Paint Pipe Rail And Pickets .....	2.91	
			For Epoxy Paint, Add	0.35	
09 91	13 00-0385	LF	1 Coat Alkyd Enamel, Brush/Roller Work, 1 Rail, Paint Pipe Rail And Pickets.....	3.18	
			For Epoxy Paint, Add	0.36	
09 91	13 00-0386	LF	2 Coats Alkyd Enamel, Brush/Roller Work, 1 Rail, Paint Pipe Rail And Pickets.....	5.47	
			For Epoxy Paint, Add	0.57	
09 91	13 00-0387	LF	1 Coat Alkyd Primer, Brush/Roller Work, 2 Rails, Paint Pipe Rail And Pickets.....	3.13	
			For Epoxy Paint, Add	0.36	
09 91	13 00-0388	LF	1 Coat Alkyd Enamel, Brush/Roller Work, 2 Rails, Paint Pipe Rail And Pickets .....	3.44	
			For Epoxy Paint, Add	0.37	
09 91	13 00-0389	LF	2 Coats Alkyd Enamel, Brush/Roller Work, 2 Rails, Paint Pipe Rail And Pickets .....	5.81	
			For Epoxy Paint, Add	0.59	
09 91	13 00-0390	LF	1 Coat Alkyd Primer, Brush/Roller Work, Paint Balustrades.....	1.75	
			For Epoxy Paint, Add	0.19	
09 91	13 00-0391	LF	1 Coat Alkyd Enamel, Brush/Roller Work, Paint Balustrades .....	1.93	
			For Epoxy Paint, Add	0.20	
09 91	13 00-0392	LF	2 Coats Alkyd Enamel, Brush/Roller Work, Paint Balustrades.....	3.51	
			For Epoxy Paint, Add	0.37	
<b>09 91 13 00-0393 Paint Grating</b> (09 91 13 00-0322)					
09 91	13 00-0394	SF	1 Coat Primer, Brush/Roller Work, Paint Gratings And Frames.....	2.97	
			For Epoxy Paint, Add	0.19	
09 91	13 00-0395	SF	1 Coat Paint, Brush/Roller Work, Paint Gratings And Frames .....	3.01	
			For Epoxy Paint, Add	0.21	
09 91	13 00-0396	SF	2 Coats Paint, Brush/Roller Work, Paint Gratings And Frames .....	4.50	
			For Epoxy Paint, Add	0.34	
<b>09 91 13 00-0397 Equipment And Tanks</b> (09 91 13 00-0322)					

**09 Finishes****09 90 Painting and Coating****09 91 Painting**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

<b>09 91 13 00-0398</b>	<b>Valves, Primer And Finish Coats</b> (09 91 13 00-0397)		
09 91 13 00-0399	EA Prime And Paint 4" And Smaller Valve .....	30.30	
09 91 13 00-0400	EA Prime And Paint 6" To 10" Valve .....	37.10	
09 91 13 00-0401	EA Prime And Paint 12" To 18" Valve .....	48.85	
09 91 13 00-0402	EA Prime And Paint 20" To 24" Valve .....	65.55	
09 91 13 00-0403	EA Prime And Paint >24" To 36" Valve .....	89.06	
09 91 13 00-0404	EA Prime And Paint >36" To 48" Valve .....	121.20	
<b>09 91 13 00-0405</b>	<b>Pumps And Motors. Primer And Finish Coats</b> (09 91 13 00-0397)		
09 91 13 00-0406	EA Prime And Paint Pump Under 1 HP .....	92.75	
09 91 13 00-0407	EA Prime And Paint Pump, 1 HP To 5 HP .....	121.78	
09 91 13 00-0408	EA Prime And Paint Pump, >5 HP To 10 HP .....	145.86	
09 91 13 00-0409	EA Prime And Paint Pump, >10 HP To 20 HP .....	163.15	
09 91 13 00-0410	EA Prime And Paint Pump, >20 HP To 30 HP .....	190.33	
09 91 13 00-0411	EA Prime And Paint Pump, >30 HP To 50 HP .....	217.52	
09 91 13 00-0412	EA Prime And Paint Pump, >50 HP To 75 HP .....	239.76	
09 91 13 00-0413	EA Prime And Paint Pump, >75 HP .....	271.90	
<b>09 91 13 00-0414</b>	<b>Storage Tanks</b> (09 91 13 00-0397)		
09 91 13 00-0415	SF 1 Coat Primer, Roller, Paint Storage Tank, Exterior Surface .....	1.15	
09 91 13 00-0416	SF 1 Coat Paint, Roller, Paint Storage Tank, Exterior Surface .....	1.51	
09 91 13 00-0417	SF 2 Coats Paint, Roller, Paint Storage Tank, Exterior Surface .....	2.86	
09 91 13 00-0418	SF 1 Coat Primer, Roller, Paint Storage Tank, Interior Surface .....	1.57	
09 91 13 00-0419	SF 1 Coat Paint, Roller, Paint Storage Tank, Interior Surface .....	1.98	
09 91 13 00-0420	SF 2 Coats Paint, Roller, Paint Storage Tank, Interior Surface .....	3.79	
09 91 13 00-0421	SF 1 Coat Primer, Sprayed, Paint Storage Tank, Exterior Surface .....	1.14	
09 91 13 00-0422	SF 1 Coat Paint, Sprayed, Paint Storage Tank, Exterior Surface .....	1.39	
09 91 13 00-0423	SF 2 Coats Paint, Sprayed, Paint Storage Tank, Exterior Surface .....	2.70	
09 91 13 00-0424	SF 1 Coat Primer, Sprayed, Paint Storage Tank, Interior Surface .....	1.32	
09 91 13 00-0425	SF 1 Coat Paint, Sprayed, Paint Storage Tank, Interior Surface .....	1.73	
09 91 13 00-0426	SF 2 Coats Paint, Sprayed, Paint Storage Tank, Interior Surface .....	3.34	
<b>09 91 13 00-0427</b>	<b>Other Site Work Painting</b> (09 91 13 00-0322)		
<b>09 91 13 00-0428</b>	<b>Paint Shutters Or Blinds, Solid Panel</b> (09 91 13 00-0427)		
09 91 13 00-0429	SF 1 Coat Primer, Brush Work, Paint Shutter Or Blinds, Solid Panel .....	3.18	
09 91 13 00-0430	SF 1 Coat, Brush Work, Paint Shutter Or Blinds, Solid Panel .....	3.18	
09 91 13 00-0431	SF 2 Coats, Brush Work, Paint Shutter Or Blinds, Solid Panel .....	5.65	
09 91 13 00-0432	SF 1 Coat Primer, Sprayed, Paint Shutter Or Blinds, Solid Panel .....	1.78	
09 91 13 00-0433	SF 1 Coat, Sprayed, Paint Shutter Or Blinds, Solid Panel .....	1.79	
09 91 13 00-0434	SF 2 Coats, Sprayed, Paint Shutter Or Blinds, Solid Panel .....	3.31	
<b>09 91 13 00-0435</b>	<b>Paint Shutters Or Blinds, Louvered Panel</b> (09 91 13 00-0427)		
09 91 13 00-0436	SF 1 Coat Primer, Brush Work, Paint Shutter Or Blinds, Louvered Panel .....	3.94	
09 91 13 00-0437	SF 1 Coat, Brush Work, Paint Shutter Or Blinds, Louvered Panel .....	3.94	
09 91 13 00-0438	SF 2 Coats, Brush Work, Paint Shutter Or Blinds, Louvered Panel .....	7.00	
09 91 13 00-0439	SF 1 Coat Primer, Sprayed, Paint Shutter Or Blinds, Louvered Panel .....	2.19	
09 91 13 00-0440	SF 1 Coat, Sprayed, Paint Shutter Or Blinds, Louvered Panel .....	2.20	
09 91 13 00-0441	SF 2 Coats, Sprayed, Paint Shutter Or Blinds, Louvered Panel .....	4.04	
<b>09 91 13 00-0442</b>	<b>Paint Flagpoles</b> (09 91 13 00-0427)		
09 91 13 00-0443	EA 1 Coat, Paint Steel Flagpole, 20' High .....	203.53	
09 91 13 00-0444	EA 1 Coat, Paint Steel Flagpole, 30' High .....	274.26	
09 91 13 00-0445	EA 1 Coat, Paint Steel Flagpole, 40' High .....	345.02	
09 91 13 00-0446	EA 1 Coat, Paint Steel Flagpole, 50' High .....	415.82	
09 91 13 00-0447	EA 1 Coat, Paint Steel Flagpole, 70' High .....	552.88	
09 91 13 00-0448	EA 1 Coat, Paint Steel Flagpole, 80' High .....	623.09	
09 91 13 00-0449	EA 1 Coat, Paint Steel Flagpole, 90' High .....	693.31	
<b>09 91 13 00-0450</b>	<b>Paint Lattice Or Trellis</b> (09 91 13 00-0427)		
09 91 13 00-0451	SF 1 Coat, Sprayed, Per Side, Paint Wood Lattice Or Trellis .....	1.41	
	For Up To 100, Add .....	0.97	
	For >100 To 250, Add .....	0.46	
	For >250 To 500, Add .....	0.20	
09 91 13 00-0452	SF 2 Coats, Sprayed, Per Side, Paint Wood Lattice Or Trellis .....	2.59	
	For Up To 100, Add .....	1.78	
	For >100 To 250, Add .....	0.84	
	For >250 To 500, Add .....	0.36	
<b>09 91 13 00-0453</b>	<b>Paint Exterior Stairs</b> (09 91 13)		
<b>09 91 13 00-0454</b>	<b>Paint Exterior Concrete Stairs</b> (09 91 13 00-0453)		
09 91 13 00-0455	RSR 1 Coat Primer, Brush/Roller Work, Paint Exterior Concrete Stair (To 4' Wide) .....	17.56	
09 91 13 00-0456	RSR 1 Coat Alkyd Enamel, Brush/Roller Work, Paint Exterior Concrete Stair (To 4' Wide) .....	17.56	
09 91 13 00-0457	RSR 1 Coat Non Slip Paint, Brush/Roller Work, Paint Exterior Concrete Stair (To 4' Wide) .....	22.48	
09 91 13 00-0458	RSR 1 Coat Non Slip Epoxy Coating, Brush/Roller Work, Paint Exterior Concrete Stair (To 4' Wide) .....	36.56	
09 91 13 00-0459	RSR 2 Coats Alkyd Enamel, Brush/Roller Work, Paint Exterior Concrete Stair (To 4' Wide) .....	35.12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>09 91 13 00-0460</b>	<b>Paint Exterior Metal Stairs</b> (09 91 13 00-0453)				
09 91 13 00-0461	RSR 1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Stair (To 4' Wide).....			9.26	
	<i>For Oil Based Paint, Add</i>			0.50	
09 91 13 00-0462	RSR 1 Coat Alkyd Enamel, Brush/Roller Work, Paint Exterior Metal Stair (To 4' Wide).....			9.26	
	<i>For Oil Based Paint, Add</i>			0.50	
09 91 13 00-0463	RSR 2 Coats Alkyd Enamel, Brush/Roller Work, Paint Exterior Metal Stair (To 4' Wide).....			18.52	
	<i>For Oil Based Paint, Add</i>			1.00	

<b>09 91 13 00-0464</b>	<b>Paint Exterior Wood Stairs</b> (09 91 13 00-0453)				
09 91 13 00-0465	RSR 1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Stair (To 4' Wide) .....			9.01	
09 91 13 00-0466	RSR 1 Coat Alkyd Enamel, Brush/Roller Work, Paint Exterior Wood Stair (To 4' Wide).....			9.00	
09 91 13 00-0467	RSR 1 Coat Non Slip Paint, Brush/Roller Work, Paint Exterior Wood Stair (To 4' Wide) .....			13.92	
09 91 13 00-0468	RSR 1 Coat Non Slip Epoxy Coating, Brush/Roller Work, Paint Exterior Wood Stair (To 4' Wide).....			28.00	
09 91 13 00-0469	RSR 2 Coats Alkyd Enamel, Brush/Roller Work, Paint Exterior Wood Stair (To 4' Wide).....			18.02	

<b>09 91 13 00-0470</b>	<b>Paint Exterior Stair Nosing</b> (09 91 13 00-0453)				
09 91 13 00-0471	LF 1 Coat Paint, Up To 2", Non Slip, Brush Work, Paint Exterior Yellow Stair Safety Strip .....			1.71	

**09 91 13 00-0472** **Paint Exterior Trim** (09 91 13)

**09 91 13 00-0473** **Paint Exterior Metal Trim And Gutters** (09 91 13 00-0472)

09 91 13 00-0474	SF 1 Coat Primer, Brush Work, Paint Exterior Exposed Metal Trim.....			1.19	
09 91 13 00-0475	SF 1 Coat Paint, Brush Work, Paint Exterior Exposed Metal Trim .....			1.30	
09 91 13 00-0476	SF 2 Coats Paint, Brush Work, Paint Exterior Exposed Metal Trim .....			2.34	
09 91 13 00-0477	SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Exposed Metal Trim .....			1.08	
09 91 13 00-0478	SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Exposed Metal Trim.....			1.18	
09 91 13 00-0479	SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Exposed Metal Trim .....			2.10	
09 91 13 00-0480	LF 1 Coat Paint, Brush Work, Paint Exterior Gutter And Downspout.....			1.88	
09 91 13 00-0481	LF 2 Coats Paint, Brush Work, Paint Exterior Gutter And Downspout .....			2.43	

**09 91 13 00-0482** **Paint Exterior Wood Trim** (09 91 13 00-0472)

09 91 13 00-0483	SF 1 Coat Primer, Brush Work, Paint Exterior Wood Trim .....			1.66	
	<i>For Oil Based Paint, Add</i>			0.10	
	<i>For Work &gt;15' To 20' Above Floor, Add</i>			0.21	
	<i>Note: Applied only to work area above 15' to 20'.</i>				
	<i>For Work &gt;20' To 30' Above Floor, Add</i>			0.36	
	<i>Note: Applied only to work area above 20'.</i>				
	<i>For Work &gt;30' To 40' Above Floor, Add</i>			0.57	
	<i>Note: Applied only to work area above 30' to 40'.</i>				
	<i>For Work &gt;40' Above Floor, Add</i>			0.78	
	<i>Note: Applied only to work area above 40'.</i>				
	<i>For Up To 100, Add</i>			1.10	
	<i>For &gt;100 To 250, Add</i>			0.52	
	<i>For &gt;250 To 500, Add</i>			0.23	
	<i>For &gt;2,500 To 5,000, Deduct</i>			-0.08	
	<i>For &gt;5,000 To 10,000, Deduct</i>			-0.17	
	<i>For &gt;10,000 To 20,000, Deduct</i>			-0.25	
	<i>For &gt;20,000, Deduct</i>			-0.33	
09 91 13 00-0484	SF 1 Coat Paint, Brush Work, Paint Exterior Wood Trim .....			1.80	
	<i>For Oil Based Paint, Add</i>			0.10	
	<i>For Work &gt;15' To 20' Above Floor, Add</i>			0.23	
	<i>Note: Applied only to work area above 15' to 20'.</i>				
	<i>For Work &gt;20' To 30' Above Floor, Add</i>			0.38	
	<i>Note: Applied only to work area above 20'.</i>				
	<i>For Work &gt;30' To 40' Above Floor, Add</i>			0.61	
	<i>Note: Applied only to work area above 30' to 40'.</i>				
	<i>For Work &gt;40' Above Floor, Add</i>			0.84	
	<i>Note: Applied only to work area above 40'.</i>				
	<i>For Up To 100, Add</i>			1.19	
	<i>For &gt;100 To 250, Add</i>			0.56	
	<i>For &gt;250 To 500, Add</i>			0.24	
	<i>For &gt;2,500 To 5,000, Deduct</i>			-0.09	
	<i>For &gt;5,000 To 10,000, Deduct</i>			-0.18	
	<i>For &gt;10,000 To 20,000, Deduct</i>			-0.27	
	<i>For &gt;20,000, Deduct</i>			-0.36	
09 91 13 00-0485	SF 2 Coats Paint, Brush Work, Paint Exterior Wood Trim.....			3.26	
	<i>For Oil Based Paint, Add</i>			0.19	
	<i>For Work &gt;15' To 20' Above Floor, Add</i>			0.41	
	<i>Note: Applied only to work area above 15' to 20'.</i>				
	<i>For Work &gt;20' To 30' Above Floor, Add</i>			0.68	
	<i>Note: Applied only to work area above 20'.</i>				
	<i>For Work &gt;30' To 40' Above Floor, Add</i>			1.09	
	<i>Note: Applied only to work area above 30' to 40'.</i>				
	<i>For Work &gt;40' Above Floor, Add</i>			1.50	
	<i>Note: Applied only to work area above 40'.</i>				
	<i>For Up To 100, Add</i>			2.12	
	<i>For &gt;100 To 250, Add</i>			1.01	
	<i>For &gt;250 To 500, Add</i>			0.44	
	<i>For &gt;2,500 To 5,000, Deduct</i>			-0.16	
	<i>For &gt;5,000 To 10,000, Deduct</i>			-0.33	
	<i>For &gt;10,000 To 20,000, Deduct</i>			-0.49	
	<i>For &gt;20,000, Deduct</i>			-0.65	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0486	SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Trim.....	1.30	
	For Oil Based Paint, Add	0.08	
	For Work >15' To 20' Above Floor, Add	0.16	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.27	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.42	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.58	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.83	
	For >100 To 250, Add	0.40	
	For >250 To 500, Add	0.17	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.13	
	For >10,000 To 20,000, Deduct	-0.20	
	For >20,000, Deduct	-0.26	
09 91 13 00-0487	SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Trim.....	1.45	
	For Oil Based Paint, Add	0.09	
	For Work >15' To 20' Above Floor, Add	0.18	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.30	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.47	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.65	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.93	
	For >100 To 250, Add	0.44	
	For >250 To 500, Add	0.19	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.15	
	For >10,000 To 20,000, Deduct	-0.22	
	For >20,000, Deduct	-0.29	
09 91 13 00-0488	SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Trim.....	2.68	
	For Oil Based Paint, Add	0.16	
	For Work >15' To 20' Above Floor, Add	0.32	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.54	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.86	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	1.18	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.69	
	For >100 To 250, Add	0.80	
	For >250 To 500, Add	0.35	
	For >2,500 To 5,000, Deduct	-0.13	
	For >5,000 To 10,000, Deduct	-0.27	
	For >10,000 To 20,000, Deduct	-0.40	
	For >20,000, Deduct	-0.54	
09 91 13 00-0489	SF 1 Coat Primer, Sprayed, Paint Exterior Wood Trim.....	0.96	
	For Oil Based Paint, Add	0.06	
	For Work >15' To 20' Above Floor, Add	0.10	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.17	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.26	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.36	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.54	
	For >100 To 250, Add	0.26	
	For >250 To 500, Add	0.11	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.10	
	For >10,000 To 20,000, Deduct	-0.14	
	For >20,000, Deduct	-0.19	
09 91 13 00-0490	SF 1 Coat Paint, Sprayed, Paint Exterior Wood Trim.....	1.10	
	For Oil Based Paint, Add	0.07	
	For Work >15' To 20' Above Floor, Add	0.12	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.20	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.32	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.44	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.65	
	For >100 To 250, Add	0.31	
	For >250 To 500, Add	0.14	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.11	
	For >10,000 To 20,000, Deduct	-0.17	
	For >20,000, Deduct	-0.22	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 13 00-0491	SF		2 Coats Paint, Sprayed, Paint Exterior Wood Trim.....	2.04	
			<i>For Oil Based Paint, Add</i>	0.13	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.22	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.36	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.58	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.80	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	1.18	
			<i>For &gt;100 To 250, Add</i>	0.57	
			<i>For &gt;250 To 500, Add</i>	0.25	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.10	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.20	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.31	
			<i>For &gt;20,000, Deduct</i>	-0.41	

**09 91 13 00-0492 Paint Exterior Miscellaneous Metal Surfaces (09 91 13)**

09 91 13 00-0493	SF		1 Coat Alkyd Anticorrosive Metal Primer, Brush/Roller Work, Paint Exterior Miscellaneous Metal Surfaces.....	1.42	
			<i>For Epoxy Paint, Add</i>	0.16	
			<i>For Electrostatic Painting, Add</i>	0.19	
09 91 13 00-0494	SF		1 Coat Alkyd Enamel, Brush/Roller Work, Paint Exterior Miscellaneous Metal Surfaces .....	1.32	
			<i>For Epoxy Paint, Add</i>	0.12	
			<i>For Electrostatic Painting, Add</i>	0.16	
09 91 13 00-0495	SF		2 Coats Alkyd Enamel, Brush/Roller Work, Paint Exterior Miscellaneous Metal Surfaces.....	2.66	
			<i>For Epoxy Paint, Add</i>	0.26	
			<i>For Electrostatic Painting, Add</i>	0.33	

**09 91 23 Interior Painting (09 91)**

Note: Acrylic latex paint unless otherwise stated. VOC compliant in all regulated areas, review specifications for levels. Paint tasks covers all paint sheens: flat, eggshell, satin, semi-gloss, or gloss.

**09 91 23 00-0001 Paint Interior Walls (09 91 23)**

**09 91 23 00-0002 Paint Interior Brick Walls (09 91 23 00-0001)**

09 91 23 00-0003	LF		1 Coat Paint, Cut-in Brush Work, Paint Interior Brick Walls.....	0.21	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.03	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.05	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.07	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.10	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.14	
			<i>For &gt;100 To 250, Add</i>	0.07	
			<i>For &gt;250 To 500, Add</i>	0.03	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.01	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.02	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.03	
			<i>For &gt;20,000, Deduct</i>	-0.04	
09 91 23 00-0004	SF		1 Coat Filler, Brush Work, Paint Interior Brick Walls.....	1.09	
			<i>For Oil Based Paint, Add</i>	0.06	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.14	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.23	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.37	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.51	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.72	
			<i>For &gt;100 To 250, Add</i>	0.34	
			<i>For &gt;250 To 500, Add</i>	0.15	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.11	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.16	
			<i>For &gt;20,000, Deduct</i>	-0.22	
09 91 23 00-0005	SF		1 Coat Paint, Brush Work, Paint Interior Brick Walls .....	1.26	
			<i>For Oil Based Paint, Add</i>	0.07	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.16	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.27	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.43	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.59	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.83	
			<i>For &gt;100 To 250, Add</i>	0.39	
			<i>For &gt;250 To 500, Add</i>	0.17	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.06	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.13	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.19	
			<i>For &gt;20,000, Deduct</i>	-0.25	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

09 91 23 00-0006	SF	2 Coat Paint, Brush Work, Paint Interior Brick Walls.....	2.23	
		<i>For Oil Based Paint, Add</i>	0.13	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.28	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.46	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.74	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	1.02	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	1.44	
		<i>For &gt;100 To 250, Add</i>	0.69	
		<i>For &gt;250 To 500, Add</i>	0.30	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.11	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.22	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.33	
		<i>For &gt;20,000, Deduct</i>	-0.45	
09 91 23 00-0007	SF	1 Coat Filler, Brush/Roller Work, Paint Interior Brick Walls.....	0.88	
		<i>For Oil Based Paint, Add</i>	0.05	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.11	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.18	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.29	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	0.40	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	0.56	
		<i>For &gt;100 To 250, Add</i>	0.27	
		<i>For &gt;250 To 500, Add</i>	0.12	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.09	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.13	
		<i>For &gt;20,000, Deduct</i>	-0.18	
09 91 23 00-0008	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Brick Walls.....	1.08	
		<i>For Oil Based Paint, Add</i>	0.07	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.13	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.21	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.34	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	0.46	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	0.67	
		<i>For &gt;100 To 250, Add</i>	0.32	
		<i>For &gt;250 To 500, Add</i>	0.14	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.11	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.16	
		<i>For &gt;20,000, Deduct</i>	-0.22	
09 91 23 00-0009	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Brick Walls.....	1.86	
		<i>For Oil Based Paint, Add</i>	0.11	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.21	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.36	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.57	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	0.79	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	1.14	
		<i>For &gt;100 To 250, Add</i>	0.54	
		<i>For &gt;250 To 500, Add</i>	0.24	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.09	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.19	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.28	
		<i>For &gt;20,000, Deduct</i>	-0.37	
09 91 23 00-0010	SF	1 Coat Filler, Sprayed, Paint Interior Brick Walls.....	0.72	
		<i>For Oil Based Paint, Add</i>	0.05	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.08	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.13	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.21	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	0.29	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	0.43	
		<i>For &gt;100 To 250, Add</i>	0.20	
		<i>For &gt;250 To 500, Add</i>	0.09	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.07	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.11	
		<i>For &gt;20,000, Deduct</i>	-0.14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 23 00-0011	SF		1 Coat Paint, Sprayed, Paint Interior Brick Walls.....	0.79	
			For Oil Based Paint, Add	0.05	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.13	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.21	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.29	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.43	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
09 91 23 00-0012	SF		2 Coats Paint, Sprayed, Paint Interior Brick Walls.....	1.36	
			For Oil Based Paint, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.14	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.23	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.36	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.50	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.74	
			For >100 To 250, Add	0.36	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.27	
09 91 23 00-0013	SF		1 Coat Bonding Agent, Brush Work, Paint Interior Brick Walls.....	1.12	
			For Work >15' To 20' Above Floor, Add	0.14	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.23	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.37	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.51	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.73	
			For >100 To 250, Add	0.34	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.22	
09 91 23 00-0014	SF		1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Brick Walls.....	0.91	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.18	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.29	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.40	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.57	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.18	
09 91 23 00-0015	SF		1 Coat Bonding Agent, Sprayed, Paint Interior Brick Walls.....	0.75	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.13	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.21	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.29	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.43	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.15	

09 91 23 00-0016 Paint Interior Concrete Walls (09 91 23 00-0001)

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR		TOTAL DIRECT DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0017	LF 1 Coat Paint, Cut-in Brush Work, Paint Interior Concrete Walls .....	0.17	
	For Work >15' To 20' Above Floor, Add	0.02	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.04	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.06	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.08	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.12	
	For >100 To 250, Add	0.05	
	For >250 To 500, Add	0.02	
	For >2,500 To 5,000, Deduct	-0.01	
	For >5,000 To 10,000, Deduct	-0.02	
	For >10,000 To 20,000, Deduct	-0.03	
	For >20,000, Deduct	-0.03	
09 91 23 00-0018	SF 1 Coat Filler, Brush Work, Paint Interior Concrete Walls .....	0.93	
	For Oil Based Paint, Add	0.05	
	For Epoxy Paint, Add	0.09	
	For Work >15' To 20' Above Floor, Add	0.12	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.20	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.32	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.43	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.61	
	For >100 To 250, Add	0.29	
	For >250 To 500, Add	0.13	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.14	
	For >20,000, Deduct	-0.19	
09 91 23 00-0019	SF 1 Coat Paint, Brush Work, Paint Interior Concrete Walls .....	1.02	
	For Oil Based Paint, Add	0.06	
	For Epoxy Paint, Add	0.08	
	For Work >15' To 20' Above Floor, Add	0.14	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.23	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.36	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.50	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.70	
	For >100 To 250, Add	0.33	
	For >250 To 500, Add	0.14	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.10	
	For >10,000 To 20,000, Deduct	-0.15	
	For >20,000, Deduct	-0.20	
09 91 23 00-0020	SF 2 Coats Paint, Brush Work, Paint Interior Concrete Walls .....	1.89	
	For Oil Based Paint, Add	0.10	
	For Epoxy Paint, Add	0.15	
	For Work >15' To 20' Above Floor, Add	0.26	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.43	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.68	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.94	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.30	
	For >100 To 250, Add	0.61	
	For >250 To 500, Add	0.26	
	For >2,500 To 5,000, Deduct	-0.09	
	For >5,000 To 10,000, Deduct	-0.19	
	For >10,000 To 20,000, Deduct	-0.28	
	For >20,000, Deduct	-0.38	
09 91 23 00-0021	SF 1 Coat Filler, Brush/Roller Work, Paint Interior Concrete Walls .....	0.75	
	For Oil Based Paint, Add	0.04	
	For Epoxy Paint, Add	0.08	
	For Work >15' To 20' Above Floor, Add	0.09	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.15	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.24	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.34	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.48	
	For >100 To 250, Add	0.23	
	For >250 To 500, Add	0.10	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.08	
	For >10,000 To 20,000, Deduct	-0.11	
	For >20,000, Deduct	-0.15	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0022	SF		1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Walls.....	0.85	
			For Oil Based Paint, Add	0.05	
			For Epoxy Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.19	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.30	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.41	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.57	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.17	
09 91 23 00-0023	SF		2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Walls.....	1.56	
			For Oil Based Paint, Add	0.09	
			For Epoxy Paint, Add	0.14	
			For Work >15' To 20' Above Floor, Add	0.20	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.34	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.54	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.74	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.04	
			For >100 To 250, Add	0.49	
			For >250 To 500, Add	0.21	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.16	
			For >10,000 To 20,000, Deduct	-0.23	
			For >20,000, Deduct	-0.31	
09 91 23 00-0024	SF		1 Coat Filler, Sprayed, Paint Interior Concrete Walls.....	0.58	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.06	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.11	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.17	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.23	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.34	
			For >100 To 250, Add	0.16	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91 23 00-0025	SF		1 Coat Paint, Sprayed, Paint Interior Concrete Walls.....	0.67	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.13	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.21	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.29	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.42	
			For >100 To 250, Add	0.20	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	
09 91 23 00-0026	SF		2 Coats Paint, Sprayed, Paint Interior Concrete Walls.....	1.07	
			For Oil Based Paint, Add	0.07	
			For Epoxy Paint, Add	0.13	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.20	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.32	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.44	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.64	
			For >100 To 250, Add	0.31	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.21	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0027	SF 1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Walls.....	0.95	
	For Work >15' To 20' Above Floor, Add	0.12	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.20	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.32	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.43	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.62	
	For >100 To 250, Add	0.29	
	For >250 To 500, Add	0.13	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.10	
	For >10,000 To 20,000, Deduct	-0.14	
	For >20,000, Deduct	-0.19	
09 91 23 00-0028	SF 1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Concrete Walls .....	0.77	
	For Work >15' To 20' Above Floor, Add	0.09	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.15	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.24	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.34	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.48	
	For >100 To 250, Add	0.23	
	For >250 To 500, Add	0.10	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.08	
	For >10,000 To 20,000, Deduct	-0.12	
	For >20,000, Deduct	-0.15	
09 91 23 00-0029	SF 1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Walls .....	0.61	
	For Work >15' To 20' Above Floor, Add	0.06	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.11	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.17	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.23	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.34	
	For >100 To 250, Add	0.17	
	For >250 To 500, Add	0.07	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.06	
	For >10,000 To 20,000, Deduct	-0.09	
	For >20,000, Deduct	-0.12	
09 91 23 00-0030	Paint Interior Concrete Block Walls (09 91 23 00-0001)		
09 91 23 00-0031	Paint Interior Concrete Block Walls, Epoxy Paint (09 91 23 00-0030)		
09 91 23 00-0032	LF 1 Coat Epoxy Paint, Cut-in Brush Work, Paint Interior Concrete Block Walls.....	0.44	
	For Work >15' To 20' Above Floor, Add	0.03	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.05	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.08	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.11	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.19	
	For >100 To 250, Add	0.09	
	For >250 To 500, Add	0.04	
	For >2,500 To 5,000, Deduct	-0.02	
	For >5,000 To 10,000, Deduct	-0.04	
	For >10,000 To 20,000, Deduct	-0.07	
	For >20,000, Deduct	-0.09	
09 91 23 00-0033	SF 1 Coat Epoxy Filler, Brush Work, Paint Interior Concrete Block Walls.....	1.27	
	For Work >15' To 20' Above Floor, Add	0.15	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.26	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.41	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.57	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.81	
	For >100 To 250, Add	0.38	
	For >250 To 500, Add	0.17	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.13	
	For >10,000 To 20,000, Deduct	-0.19	
	For >20,000, Deduct	-0.25	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 23 00-0034	SF	1 Coat Epoxy Paint, Brush Work, Paint Interior Concrete Block Walls .....	1.48		
		For Work >15' To 20' Above Floor, Add	0.19		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.31		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.50		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.68		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.97		
		For >100 To 250, Add	0.46		
		For >250 To 500, Add	0.20		
		For >2,500 To 5,000, Deduct	-0.07		
		For >5,000 To 10,000, Deduct	-0.15		
		For >10,000 To 20,000, Deduct	-0.22		
		For >20,000, Deduct	-0.30		
09 91 23 00-0035	SF	2 Coats Epoxy Paint, Brush Work, Paint Interior Concrete Block Walls .....	2.63		
		For Work >15' To 20' Above Floor, Add	0.32		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.54		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.86		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	1.18		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	1.68		
		For >100 To 250, Add	0.80		
		For >250 To 500, Add	0.35		
		For >2,500 To 5,000, Deduct	-0.13		
		For >5,000 To 10,000, Deduct	-0.26		
		For >10,000 To 20,000, Deduct	-0.39		
		For >20,000, Deduct	-0.53		
09 91 23 00-0036	SF	1 Coat Epoxy Filler, Brush/Roller Work, Paint Interior Concrete Block Walls .....	1.03		
		For Work >15' To 20' Above Floor, Add	0.12		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.20		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.32		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.43		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.63		
		For >100 To 250, Add	0.30		
		For >250 To 500, Add	0.13		
		For >2,500 To 5,000, Deduct	-0.05		
		For >5,000 To 10,000, Deduct	-0.10		
		For >10,000 To 20,000, Deduct	-0.15		
		For >20,000, Deduct	-0.21		
09 91 23 00-0037	SF	1 Coat Epoxy Paint, Brush/Roller Work, Paint Interior Concrete Block Walls .....	1.15		
		For Work >15' To 20' Above Floor, Add	0.14		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.23		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.36		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.50		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.72		
		For >100 To 250, Add	0.34		
		For >250 To 500, Add	0.15		
		For >2,500 To 5,000, Deduct	-0.06		
		For >5,000 To 10,000, Deduct	-0.12		
		For >10,000 To 20,000, Deduct	-0.17		
		For >20,000, Deduct	-0.23		
09 91 23 00-0038	SF	2 Coats Epoxy Paint, Brush/Roller Work, Paint Interior Concrete Block Walls .....	2.16		
		For Work >15' To 20' Above Floor, Add	0.25		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.42		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.67		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.92		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	1.33		
		For >100 To 250, Add	0.63		
		For >250 To 500, Add	0.28		
		For >2,500 To 5,000, Deduct	-0.11		
		For >5,000 To 10,000, Deduct	-0.22		
		For >10,000 To 20,000, Deduct	-0.32		
		For >20,000, Deduct	-0.43		

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0039	SF 1 Coat Epoxy Filler, Sprayed, Paint Interior Concrete Block Walls.....	0.77	
	For Work >15' To 20' Above Floor, Add	0.07	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.12	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.19	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.26	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.40	
	For >100 To 250, Add	0.19	
	For >250 To 500, Add	0.09	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.08	
	For >10,000 To 20,000, Deduct	-0.12	
	For >20,000, Deduct	-0.15	
09 91 23 00-0040	SF 1 Coat Epoxy Paint, Sprayed, Paint Interior Concrete Block Walls.....	0.96	
	For Work >15' To 20' Above Floor, Add	0.10	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.17	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.26	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.36	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.54	
	For >100 To 250, Add	0.26	
	For >250 To 500, Add	0.11	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.10	
	For >10,000 To 20,000, Deduct	-0.14	
	For >20,000, Deduct	-0.19	
09 91 23 00-0041	SF 2 Coats Epoxy Paint, Sprayed, Paint Interior Concrete Block Walls.....	1.72	
	For Work >15' To 20' Above Floor, Add	0.17	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.28	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.44	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.61	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.92	
	For >100 To 250, Add	0.45	
	For >250 To 500, Add	0.20	
	For >2,500 To 5,000, Deduct	-0.09	
	For >5,000 To 10,000, Deduct	-0.17	
	For >10,000 To 20,000, Deduct	-0.26	
	For >20,000, Deduct	-0.34	
09 91 23 00-0042	Paint Interior Concrete Block Walls, Acrylic Latex Paint (09 91 23 00-0030)		
09 91 23 00-0043	LF 1 Coat Paint, Cut-in Brush Work, Paint Interior Concrete Block Walls.....	0.24	
	For Oil Based Paint, Add	0.01	
	For Work >15' To 20' Above Floor, Add	0.03	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.05	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.08	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.11	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.16	
	For >100 To 250, Add	0.07	
	For >250 To 500, Add	0.03	
	For >2,500 To 5,000, Deduct	-0.01	
	For >5,000 To 10,000, Deduct	-0.02	
	For >10,000 To 20,000, Deduct	-0.04	
	For >20,000, Deduct	-0.05	
09 91 23 00-0044	SF 1 Coat Filler, Brush Work, Paint Interior Concrete Block Walls.....	1.19	
	For Oil Based Paint, Add	0.07	
	For Work >15' To 20' Above Floor, Add	0.15	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.26	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.41	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.57	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.80	
	For >100 To 250, Add	0.38	
	For >250 To 500, Add	0.16	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.12	
	For >10,000 To 20,000, Deduct	-0.18	
	For >20,000, Deduct	-0.24	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 23 00-0045	SF 1 Coat Paint, Brush Work, Paint Interior Concrete Block Walls .....	1.42
	For Oil Based Paint, Add	0.08
	For Work >15' To 20' Above Floor, Add	0.18
	Note: Applied only to work area above 15' to 20'.	
	For Work >20' To 30' Above Floor, Add	0.30
	Note: Applied only to work area above 20' to 30'.	
	For Work >30' To 40' Above Floor, Add	0.48
	Note: Applied only to work area above 30' to 40'.	
	For Work >40' Above Floor, Add	0.66
	Note: Applied only to work area above 40'.	
	For Up To 100, Add	0.93
	For >100 To 250, Add	0.44
	For >250 To 500, Add	0.19
	For >2,500 To 5,000, Deduct	-0.07
	For >5,000 To 10,000, Deduct	-0.14
	For >10,000 To 20,000, Deduct	-0.21
	For >20,000, Deduct	-0.28
09 91 23 00-0046	SF 2 Coats Paint, Brush Work, Paint Interior Concrete Block Walls .....	2.55
	For Oil Based Paint, Add	0.15
	For Work >15' To 20' Above Floor, Add	0.32
	Note: Applied only to work area above 15' to 20'.	
	For Work >20' To 30' Above Floor, Add	0.53
	Note: Applied only to work area above 20' to 30'.	
	For Work >30' To 40' Above Floor, Add	0.85
	Note: Applied only to work area above 30' to 40'.	
	For Work >40' Above Floor, Add	1.17
	Note: Applied only to work area above 40'.	
	For Up To 100, Add	1.65
	For >100 To 250, Add	0.79
	For >250 To 500, Add	0.34
	For >2,500 To 5,000, Deduct	-0.13
	For >5,000 To 10,000, Deduct	-0.26
	For >10,000 To 20,000, Deduct	-0.38
	For >20,000, Deduct	-0.51
09 91 23 00-0047	SF Texture Coat, Brush Work, Paint Interior Concrete Block Walls .....	1.56
	For Oil Based Paint, Add	0.09
	For Work >15' To 20' Above Floor, Add	0.20
	Note: Applied only to work area above 15' to 20'.	
	For Work >20' To 30' Above Floor, Add	0.33
	Note: Applied only to work area above 20' to 30'.	
	For Work >30' To 40' Above Floor, Add	0.53
	Note: Applied only to work area above 30' to 40'.	
	For Work >40' Above Floor, Add	0.73
	Note: Applied only to work area above 40'.	
	For Up To 100, Add	1.03
	For >100 To 250, Add	0.49
	For >250 To 500, Add	0.21
	For >2,500 To 5,000, Deduct	-0.08
	For >5,000 To 10,000, Deduct	-0.16
	For >10,000 To 20,000, Deduct	-0.23
	For >20,000, Deduct	-0.31
09 91 23 00-0048	SF 1 Coat Filler, Brush/Roller Work, Paint Interior Concrete Block Walls .....	1.00
	For Oil Based Paint, Add	0.06
	For Work >15' To 20' Above Floor, Add	0.13
	Note: Applied only to work area above 15' to 20'.	
	For Work >20' To 30' Above Floor, Add	0.21
	Note: Applied only to work area above 20' to 30'.	
	For Work >30' To 40' Above Floor, Add	0.34
	Note: Applied only to work area above 30' to 40'.	
	For Work >40' Above Floor, Add	0.46
	Note: Applied only to work area above 40'.	
	For Up To 100, Add	0.65
	For >100 To 250, Add	0.31
	For >250 To 500, Add	0.13
	For >2,500 To 5,000, Deduct	-0.05
	For >5,000 To 10,000, Deduct	-0.10
	For >10,000 To 20,000, Deduct	-0.15
	For >20,000, Deduct	-0.20
09 91 23 00-0049	SF 1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Block Walls .....	1.19
	For Oil Based Paint, Add	0.07
	For Work >15' To 20' Above Floor, Add	0.15
	Note: Applied only to work area above 15' to 20'.	
	For Work >20' To 30' Above Floor, Add	0.24
	Note: Applied only to work area above 20' to 30'.	
	For Work >30' To 40' Above Floor, Add	0.39
	Note: Applied only to work area above 30' to 40'.	
	For Work >40' Above Floor, Add	0.53
	Note: Applied only to work area above 40'.	
	For Up To 100, Add	0.76
	For >100 To 250, Add	0.36
	For >250 To 500, Add	0.16
	For >2,500 To 5,000, Deduct	-0.06
	For >5,000 To 10,000, Deduct	-0.12
	For >10,000 To 20,000, Deduct	-0.18
	For >20,000, Deduct	-0.24

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0050	SF 2 Coats Paint, Sprayed, Paint Interior Concrete Block Walls.....	2.10	
	For Oil Based Paint, Add	0.13	
	For Work >15' To 20' Above Floor, Add	0.25	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.42	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.67	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.92	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.32	
	For >100 To 250, Add	0.63	
	For >250 To 500, Add	0.27	
	For >2,500 To 5,000, Deduct	-0.11	
	For >5,000 To 10,000, Deduct	-0.21	
	For >10,000 To 20,000, Deduct	-0.32	
	For >20,000, Deduct	-0.42	
09 91 23 00-0051	SF Texture Coat, Brush/Roller Work, Paint Interior Concrete Block Walls.....	1.32	
	For Oil Based Paint, Add	0.08	
	For Work >15' To 20' Above Floor, Add	0.16	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.27	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.43	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.59	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.85	
	For >100 To 250, Add	0.40	
	For >250 To 500, Add	0.17	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.13	
	For >10,000 To 20,000, Deduct	-0.20	
	For >20,000, Deduct	-0.26	
09 91 23 00-0052	SF 1 Coat Filler, Sprayed, Paint Interior Concrete Block Walls.....	0.81	
	For Oil Based Paint, Add	0.05	
	For Work >15' To 20' Above Floor, Add	0.09	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.15	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.24	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.32	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.48	
	For >100 To 250, Add	0.23	
	For >250 To 500, Add	0.10	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.08	
	For >10,000 To 20,000, Deduct	-0.12	
	For >20,000, Deduct	-0.16	
09 91 23 00-0053	SF 1 Coat Paint, Sprayed, Paint Interior Concrete Block Walls.....	0.93	
	For Oil Based Paint, Add	0.06	
	For Work >15' To 20' Above Floor, Add	0.10	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.17	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.26	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.36	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.54	
	For >100 To 250, Add	0.26	
	For >250 To 500, Add	0.11	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.14	
	For >20,000, Deduct	-0.19	
09 91 23 00-0054	SF 2 Coats Paint, Sprayed, Paint Interior Concrete Block Walls.....	1.32	
	For Oil Based Paint, Add	0.08	
	For Work >15' To 20' Above Floor, Add	0.15	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.25	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.40	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.54	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.79	
	For >100 To 250, Add	0.38	
	For >250 To 500, Add	0.17	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.13	
	For >10,000 To 20,000, Deduct	-0.20	
	For >20,000, Deduct	-0.26	

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 23 00-0055	SF Texture Coat, Sprayed, Paint Interior Concrete Block Walls.....	1.07	
	For Oil Based Paint, Add	0.07	
	For Work >15' To 20' Above Floor, Add	0.11	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.19	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.30	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.41	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.61	
	For >100 To 250, Add	0.29	
	For >250 To 500, Add	0.13	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.11	
	For >10,000 To 20,000, Deduct	-0.16	
	For >20,000, Deduct	-0.21	
09 91 23 00-0056	Paint Interior Concrete Block Walls With Bonding Agent (09 91 23 00-0030)		
09 91 23 00-0057	SF 1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Block Walls.....	1.22	
	For Work >15' To 20' Above Floor, Add	0.15	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.26	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.41	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.57	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.80	
	For >100 To 250, Add	0.38	
	For >250 To 500, Add	0.16	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.12	
	For >10,000 To 20,000, Deduct	-0.18	
	For >20,000, Deduct	-0.24	
09 91 23 00-0058	SF 1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Concrete Block Walls.....	1.03	
	For Work >15' To 20' Above Floor, Add	0.13	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.21	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.34	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.46	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.66	
	For >100 To 250, Add	0.31	
	For >250 To 500, Add	0.14	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.10	
	For >10,000 To 20,000, Deduct	-0.15	
	For >20,000, Deduct	-0.21	
09 91 23 00-0059	SF 1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Block Walls.....	0.85	
	For Work >15' To 20' Above Floor, Add	0.09	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.15	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.24	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.32	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.48	
	For >100 To 250, Add	0.23	
	For >250 To 500, Add	0.10	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.13	
	For >20,000, Deduct	-0.17	
09 91 23 00-0060	Paint Interior Plaster/Drywall Walls (09 91 23 00-0001)		
09 91 23 00-0061	Paint Interior Plaster/Drywall Walls (09 91 23 00-0060)		
09 91 23 00-0062	LF 1 Coat Paint, Cut-in Brush Work, Paint Interior Plaster/Drywall Walls.....	0.17	
	For Oil Based Paint, Add	0.01	
	For Work >15' To 20' Above Floor, Add	0.02	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.04	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.06	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.08	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.12	
	For >100 To 250, Add	0.05	
	For >250 To 500, Add	0.02	
	For >2,500 To 5,000, Deduct	-0.01	
	For >5,000 To 10,000, Deduct	-0.02	
	For >10,000 To 20,000, Deduct	-0.03	
	For >20,000, Deduct	-0.03	

**09 Finishes****09 90 Painting and Coating****09 91 Painting**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

09 91 23 00-0063	SF	1 Coat Primer, Brush Work, Paint Interior Plaster/Drywall Walls.....	0.98	
		<i>For Oil Based Paint, Add</i>	0.06	
		<i>For Orange Peel Finish, Add</i>	0.14	
		<i>For Epoxy Paint, Add</i>	0.09	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.13	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.21	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.34	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	0.46	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	0.65	
		<i>For &gt;100 To 250, Add</i>	0.31	
		<i>For &gt;250 To 500, Add</i>	0.13	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.10	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.15	
		<i>For &gt;20,000, Deduct</i>	-0.20	
09 91 23 00-0064	SF	1 Coat Paint, Brush Work, Paint Interior Plaster/Drywall Walls.....	1.04	
		<i>For Oil Based Paint, Add</i>	0.06	
		<i>For Orange Peel Finish, Add</i>	0.15	
		<i>For Epoxy Paint, Add</i>	0.09	
		<i>For Each Coat With Egg Shell Finish, Add</i>	0.01	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.14	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.23	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.37	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	0.51	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	0.71	
		<i>For &gt;100 To 250, Add</i>	0.34	
		<i>For &gt;250 To 500, Add</i>	0.15	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.10	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.16	
		<i>For &gt;20,000, Deduct</i>	-0.21	
09 91 23 00-0065	SF	2 Coats Paint, Brush Work, Paint Interior Plaster/Drywall Walls.....	1.89	
		<i>For Oil Based Paint, Add</i>	0.11	
		<i>For Orange Peel Finish, Add</i>	0.27	
		<i>For Epoxy Paint, Add</i>	0.16	
		<i>For Each Coat With Egg Shell Finish, Add</i>	0.01	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.25	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.42	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.67	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	0.92	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	1.29	
		<i>For &gt;100 To 250, Add</i>	0.61	
		<i>For &gt;250 To 500, Add</i>	0.26	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.09	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.19	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.28	
		<i>For &gt;20,000, Deduct</i>	-0.38	
09 91 23 00-0066	SF	3 Coats Paint, Brush Work, Paint Interior Plaster/Drywall Walls.....	2.68	
		<i>For Oil Based Paint, Add</i>	0.15	
		<i>For Orange Peel Finish, Add</i>	0.38	
		<i>For Epoxy Paint, Add</i>	0.23	
		<i>For Each Coat With Egg Shell Finish, Add</i>	0.01	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.35	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.59	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.94	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	1.30	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	1.82	
		<i>For &gt;100 To 250, Add</i>	0.86	
		<i>For &gt;250 To 500, Add</i>	0.37	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.13	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.27	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.40	
		<i>For &gt;20,000, Deduct</i>	-0.54	

MINOR	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 23 00-0067	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Plaster/Drywall Walls.....	0.77	
		For Oil Based Paint, Add	0.05	
		For Orange Peel Finish, Add	0.11	
		For Epoxy Paint, Add	0.08	
		For Work >15' To 20' Above Floor, Add	0.09	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.16	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.25	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.35	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.49	
		For >100 To 250, Add	0.23	
		For >250 To 500, Add	0.10	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.08	
		For >10,000 To 20,000, Deduct	-0.12	
		For >20,000, Deduct	-0.15	
09 91 23 00-0068	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Plaster/Drywall Walls .....	0.87	
		For Oil Based Paint, Add	0.05	
		For Orange Peel Finish, Add	0.12	
		For Epoxy Paint, Add	0.08	
		For Each Coat With Egg Shell Finish, Add	0.01	
		For Work >15' To 20' Above Floor, Add	0.11	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.19	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.30	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.41	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.58	
		For >100 To 250, Add	0.27	
		For >250 To 500, Add	0.12	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.09	
		For >10,000 To 20,000, Deduct	-0.13	
		For >20,000, Deduct	-0.17	
09 91 23 00-0069	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Plaster/Drywall Walls .....	1.55	
		For Oil Based Paint, Add	0.09	
		For Orange Peel Finish, Add	0.22	
		For Epoxy Paint, Add	0.15	
		For Each Coat With Egg Shell Finish, Add	0.01	
		For Work >15' To 20' Above Floor, Add	0.20	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.33	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.52	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.72	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.02	
		For >100 To 250, Add	0.48	
		For >250 To 500, Add	0.21	
		For >2,500 To 5,000, Deduct	-0.08	
		For >5,000 To 10,000, Deduct	-0.16	
		For >10,000 To 20,000, Deduct	-0.23	
		For >20,000, Deduct	-0.31	
09 91 23 00-0070	SF	1 Coat Primer, Sprayed, Paint Interior Plaster/Drywall Walls.....	0.56	
		For Oil Based Paint, Add	0.04	
		For Epoxy Paint, Add	0.08	
		For Work >15' To 20' Above Floor, Add	0.06	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.10	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.16	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.22	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.32	
		For >100 To 250, Add	0.16	
		For >250 To 500, Add	0.07	
		For >2,500 To 5,000, Deduct	-0.03	
		For >5,000 To 10,000, Deduct	-0.06	
		For >10,000 To 20,000, Deduct	-0.08	
		For >20,000, Deduct	-0.11	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0071	SF 1 Coat Paint, Sprayed, Paint Interior Plaster/Drywall Walls.....	0.67	
	For Oil Based Paint, Add	0.04	
	For Epoxy Paint, Add	0.08	
	For Each Coat With Egg Shell Finish, Add	0.01	
	For Work >15' To 20' Above Floor, Add	0.08	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.13	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.21	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.29	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.42	
	For >100 To 250, Add	0.20	
	For >250 To 500, Add	0.09	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.07	
	For >10,000 To 20,000, Deduct	-0.10	
	For >20,000, Deduct	-0.13	
09 91 23 00-0072	SF 2 Coats Paint, Sprayed, Paint Interior Plaster/Drywall Walls.....	1.07	
	For Oil Based Paint, Add	0.07	
	For Epoxy Paint, Add	0.13	
	For Each Coat With Egg Shell Finish, Add	0.01	
	For Work >15' To 20' Above Floor, Add	0.12	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.20	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.32	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.44	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.64	
	For >100 To 250, Add	0.31	
	For >250 To 500, Add	0.13	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.11	
	For >10,000 To 20,000, Deduct	-0.16	
	For >20,000, Deduct	-0.21	
09 91 23 00-0073	<b>Paint Interior Plaster/Drywall Or Masonry Walls With Polymix Multi-Color</b>		
	<b>Paint</b> <small>(09 91 23 00-0060)</small>		
09 91 23 00-0074	SF 2 Tone Polymix With Base Coat, Sprayed, Paint Interior Plaster/Drywall Or Masonry Walls.....	1.74	
	For Work >15' To 20' Above Floor, Add	0.14	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.23	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.37	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.51	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.82	
	For >100 To 250, Add	0.41	
	For >250 To 500, Add	0.18	
	For >2,500 To 5,000, Deduct	-0.09	
	For >5,000 To 10,000, Deduct	-0.17	
	For >10,000 To 20,000, Deduct	-0.26	
	For >20,000, Deduct	-0.35	
09 91 23 00-0075	SF 3 Tone Polymix With Base Coat, Sprayed, Paint Interior Plaster/Drywall Or Masonry Walls.....	1.87	
	For Work >15' To 20' Above Floor, Add	0.14	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.23	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.37	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.51	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.84	
	For >100 To 250, Add	0.42	
	For >250 To 500, Add	0.19	
	For >2,500 To 5,000, Deduct	-0.09	
	For >5,000 To 10,000, Deduct	-0.19	
	For >10,000 To 20,000, Deduct	-0.28	
	For >20,000, Deduct	-0.37	
09 91 23 00-0076	SF 4 Tone Polymix With Base Coat, Sprayed, Paint Interior Plaster/Drywall Or Masonry Walls.....	2.01	
	For Work >15' To 20' Above Floor, Add	0.14	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.23	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.37	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.51	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.86	
	For >100 To 250, Add	0.43	
	For >250 To 500, Add	0.19	
	For >2,500 To 5,000, Deduct	-0.10	
	For >5,000 To 10,000, Deduct	-0.20	
	For >10,000 To 20,000, Deduct	-0.30	
	For >20,000, Deduct	-0.40	

<b>09 91 23 00-0077</b>	<b>Paint Interior Plaster/Drywall Walls, Acoustic Texture</b> <small>(09 91 23 00-0060)</small>		
09 91 23 00-0078	SF 1 Coat Primer, Sprayed, Acoustic Texture, Paint Interior Plaster/Drywall Walls.....	0.74	
	For Work >15' To 20' Above Floor, Add	0.08	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.13	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.21	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.29	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.42	
	For >100 To 250, Add	0.20	
	For >250 To 500, Add	0.09	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.07	
	For >10,000 To 20,000, Deduct	-0.11	
	For >20,000, Deduct	-0.15	
09 91 23 00-0079	SF 1 Coat Finish, Sprayed, Acoustic Texture, Paint Interior Plaster/Drywall Walls.....	0.88	
	For Work >15' To 20' Above Floor, Add	0.10	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.17	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.26	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.36	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.53	
	For >100 To 250, Add	0.25	
	For >250 To 500, Add	0.11	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.13	
	For >20,000, Deduct	-0.18	
09 91 23 00-0080	SF 2 Coats Finish, Sprayed, Acoustic Texture, Paint Interior Plaster/Drywall Walls.....	1.35	
	For Work >15' To 20' Above Floor, Add	0.14	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.23	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.37	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.51	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.75	
	For >100 To 250, Add	0.37	
	For >250 To 500, Add	0.16	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.14	
	For >10,000 To 20,000, Deduct	-0.20	
	For >20,000, Deduct	-0.27	
09 91 23 00-0081	SF Stipple Finish (Drippowder), Paint Interior Plaster/Drywall Walls.....	1.58	
	For Work >15' To 20' Above Floor, Add	0.22	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.37	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.60	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.82	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.13	
	For >100 To 250, Add	0.53	
	For >250 To 500, Add	0.23	
	For >2,500 To 5,000, Deduct	-0.08	
	For >5,000 To 10,000, Deduct	-0.16	
	For >10,000 To 20,000, Deduct	-0.24	
	For >20,000, Deduct	-0.32	
<b>09 91 23 00-0082</b>	<b>Paint Interior Metal Walls</b> <small>(09 91 23 00-0001)</small>		
<b>09 91 23 00-0083</b>	<b>Paint Interior Galvanized Walls</b> <small>(09 91 23 00-0082)</small>		
	Note: Linseed oil or acrylic latex paint.		
09 91 23 00-0084	SF 1 Coat Primer, Brush Work, Paint Interior Galvanized Wall Surfaces.....	1.21	
	For Electrostatic Painting, Add	0.16	
	For Work >15' To 20' Above Floor, Add	0.14	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.23	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.37	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.51	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.73	
	For >100 To 250, Add	0.35	
	For >250 To 500, Add	0.15	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.12	
	For >10,000 To 20,000, Deduct	-0.18	
	For >20,000, Deduct	-0.24	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0085	SF 1 Coat Paint, Brush Work, Paint Interior Galvanized Wall Surfaces .....	1.34	
	For Electrostatic Painting, Add	0.18	
	For Work >15' To 20' Above Floor, Add	0.16	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.26	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.42	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.58	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.83	
	For >100 To 250, Add	0.40	
	For >250 To 500, Add	0.17	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.13	
	For >10,000 To 20,000, Deduct	-0.20	
	For >20,000, Deduct	-0.27	
09 91 23 00-0086	SF 2 Coats Paint, Brush Work, Paint Interior Galvanized Wall Surfaces.....	2.43	
	For Electrostatic Painting, Add	0.33	
	For Work >15' To 20' Above Floor, Add	0.28	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.46	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.74	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	1.02	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.47	
	For >100 To 250, Add	0.71	
	For >250 To 500, Add	0.31	
	For >2,500 To 5,000, Deduct	-0.12	
	For >5,000 To 10,000, Deduct	-0.24	
	For >10,000 To 20,000, Deduct	-0.36	
	For >20,000, Deduct	-0.49	
09 91 23 00-0087	SF 1 Coat Primer, Brush/Roller Work, Paint Interior Galvanized Walls.....	0.91	
	For Electrostatic Painting, Add	0.13	
	For Work >15' To 20' Above Floor, Add	0.10	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.17	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.27	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.37	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.54	
	For >100 To 250, Add	0.26	
	For >250 To 500, Add	0.11	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.14	
	For >20,000, Deduct	-0.18	
09 91 23 00-0088	SF 1 Coat Paint, Brush/Roller Work, Paint Interior Galvanized Wall.....	1.04	
	For Electrostatic Painting, Add	0.14	
	For Work >15' To 20' Above Floor, Add	0.12	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.20	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.32	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.43	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.63	
	For >100 To 250, Add	0.30	
	For >250 To 500, Add	0.13	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.10	
	For >10,000 To 20,000, Deduct	-0.16	
	For >20,000, Deduct	-0.21	
09 91 23 00-0089	SF 2 Coats Paint, Brush/Roller Work, Paint Interior Galvanized Walls.....	1.96	
	For Electrostatic Painting, Add	0.27	
	For Work >15' To 20' Above Floor, Add	0.22	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.37	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.58	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.80	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.17	
	For >100 To 250, Add	0.56	
	For >250 To 500, Add	0.24	
	For >2,500 To 5,000, Deduct	-0.10	
	For >5,000 To 10,000, Deduct	-0.20	
	For >10,000 To 20,000, Deduct	-0.29	
	For >20,000, Deduct	-0.39	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0090	SF		1 Coat Primer, Sprayed, Paint Interior Galvanized Walls .....0.70		
			For Electrostatic Painting, Add	0.12	
			For Work >15' To 20' Above Floor, Add	0.06	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.09	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.15	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.20	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.33	
			For >100 To 250, Add	0.16	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.14	
09 91 23 00-0091	SF		1 Coat Paint, Sprayed, Paint Interior Galvanized Walls.....0.92		
			For Electrostatic Painting, Add	0.14	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.15	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.24	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.32	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.49	
			For >100 To 250, Add	0.24	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.18	
09 91 23 00-0092	SF		2 Coats Paint, Sprayed, Paint Interior Galvanized Walls .....1.54		
			For Electrostatic Painting, Add	0.25	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.22	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.35	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.48	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.76	
			For >100 To 250, Add	0.37	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 20,000, Deduct	-0.23	
			For >20,000, Deduct	-0.31	
<b>09 91 23 00-0093</b>			<b>Paint Interior Aluminum And Aluminum Alloy Walls (09 91 23 00-0082)</b>		
			Note: Alkyd enamel paint.		
09 91 23 00-0094	SF		1 Coat Primer, Brush Work, Paint Interior Aluminum And Aluminum Alloy Wall Surfaces.....1.21		
			For Electrostatic Painting, Add	0.16	
			For Work >15' To 20' Above Floor, Add	0.14	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.23	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.37	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.51	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.73	
			For >100 To 250, Add	0.35	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.24	
09 91 23 00-0095	SF		1 Coat Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Wall Surfaces .....1.34		
			For Electrostatic Painting, Add	0.18	
			For Work >15' To 20' Above Floor, Add	0.16	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.26	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.42	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.58	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.83	
			For >100 To 250, Add	0.40	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.27	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

09 91 23 00-0096	SF	2 Coats Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Wall Surfaces.....	2.42	
		For Electrostatic Painting, Add	0.33	
		For Work >15' To 20' Above Floor, Add	0.28	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.46	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.74	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	1.02	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.47	
		For >100 To 250, Add	0.70	
		For >250 To 500, Add	0.31	
		For >2,500 To 5,000, Deduct	-0.12	
		For >5,000 To 10,000, Deduct	-0.24	
		For >10,000 To 20,000, Deduct	-0.36	
		For >20,000, Deduct	-0.48	
09 91 23 00-0097	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Walls.....	0.99	
		For Electrostatic Painting, Add	0.15	
		For Work >15' To 20' Above Floor, Add	0.10	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.17	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.26	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.36	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.54	
		For >100 To 250, Add	0.26	
		For >250 To 500, Add	0.12	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.10	
		For >10,000 To 20,000, Deduct	-0.15	
		For >20,000, Deduct	-0.20	
09 91 23 00-0098	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Walls.....	1.12	
		For Electrostatic Painting, Add	0.16	
		For Work >15' To 20' Above Floor, Add	0.12	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.20	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.32	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.43	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.64	
		For >100 To 250, Add	0.31	
		For >250 To 500, Add	0.14	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.11	
		For >10,000 To 20,000, Deduct	-0.17	
		For >20,000, Deduct	-0.22	
09 91 23 00-0099	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Walls.....	2.12	
		For Electrostatic Painting, Add	0.31	
		For Work >15' To 20' Above Floor, Add	0.22	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.37	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.58	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.80	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.19	
		For >100 To 250, Add	0.58	
		For >250 To 500, Add	0.25	
		For >2,500 To 5,000, Deduct	-0.11	
		For >5,000 To 10,000, Deduct	-0.21	
		For >10,000 To 20,000, Deduct	-0.32	
		For >20,000, Deduct	-0.42	
09 91 23 00-0100	SF	1 Coat Primer, Sprayed, Paint Interior Aluminum And Aluminum Alloy Walls.....	0.77	
		For Electrostatic Painting, Add	0.13	
		For Work >15' To 20' Above Floor, Add	0.07	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.11	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.18	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.24	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.38	
		For >100 To 250, Add	0.19	
		For >250 To 500, Add	0.08	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.08	
		For >10,000 To 20,000, Deduct	-0.12	
		For >20,000, Deduct	-0.15	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 23 00-0101	SF	1	Coat Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Walls.....	0.92	
			<i>For Electrostatic Painting, Add</i>	0.14	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.09	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.15	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.24	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.32	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.49	
			<i>For &gt;100 To 250, Add</i>	0.24	
			<i>For &gt;250 To 500, Add</i>	0.11	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.09	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.14	
			<i>For &gt;20,000, Deduct</i>	-0.18	
09 91 23 00-0102	SF	2	Coats Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Walls.....	1.54	
			<i>For Electrostatic Painting, Add</i>	0.25	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.13	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.22	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.35	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.48	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.76	
			<i>For &gt;100 To 250, Add</i>	0.37	
			<i>For &gt;250 To 500, Add</i>	0.17	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.08	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.15	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.23	
			<i>For &gt;20,000, Deduct</i>	-0.31	

**09 91 23 00-0103 Paint Interior Corrugated Metal Walls** (09 91 23 00-0082)

09 91 23 00-0104	SF	1	Coat Primer, Sprayed, Paint Interior Corrugated Metal Walls.....	0.86	
			<i>For Electrostatic Painting, Add</i>	0.14	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.07	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.12	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.19	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.26	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.42	
			<i>For &gt;100 To 250, Add</i>	0.21	
			<i>For &gt;250 To 500, Add</i>	0.09	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.09	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.13	
			<i>For &gt;20,000, Deduct</i>	-0.17	

09 91 23 00-0105	SF	1	Coat Paint, Sprayed, Paint Interior Corrugated Metal Walls.....	1.16	
			<i>For Electrostatic Painting, Add</i>	0.17	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.12	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.20	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.31	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.43	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.64	
			<i>For &gt;100 To 250, Add</i>	0.31	
			<i>For &gt;250 To 500, Add</i>	0.14	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.06	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.12	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.17	
			<i>For &gt;20,000, Deduct</i>	-0.23	

09 91 23 00-0106	SF	2	Coats Paint, Sprayed, Paint Interior Corrugated Metal Walls.....	1.94	
			<i>For Electrostatic Painting, Add</i>	0.31	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.18	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.30	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.47	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.65	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	1.00	
			<i>For &gt;100 To 250, Add</i>	0.49	
			<i>For &gt;250 To 500, Add</i>	0.22	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.10	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.19	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.29	
			<i>For &gt;20,000, Deduct</i>	-0.39	

**09 91 23 00-0107 Paint Interior Stucco Walls** (09 91 23 00-0001)

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

09 91 23 00-0108	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Stucco Wall Surfaces.....	0.29	
		<i>For Oil Based Paint, Add</i>	0.02	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.04	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.07	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.10	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	0.14	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	0.20	
		<i>For &gt;100 To 250, Add</i>	0.09	
		<i>For &gt;250 To 500, Add</i>	0.04	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.01	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.03	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.04	
		<i>For &gt;20,000, Deduct</i>	-0.06	
09 91 23 00-0109	SF	1 Coat Primer, Brush Work, Paint Interior Stucco Wall Surfaces.....	1.62	
		<i>For Oil Based Paint, Add</i>	0.09	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.22	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.37	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.58	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	0.80	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	1.12	
		<i>For &gt;100 To 250, Add</i>	0.53	
		<i>For &gt;250 To 500, Add</i>	0.23	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.08	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.16	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.24	
		<i>For &gt;20,000, Deduct</i>	-0.32	
09 91 23 00-0110	SF	1 Coat Paint, Brush Work, Paint Interior Stucco Wall Surfaces.....	1.78	
		<i>For Oil Based Paint, Add</i>	0.10	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.24	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.40	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.64	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	0.87	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	1.22	
		<i>For &gt;100 To 250, Add</i>	0.58	
		<i>For &gt;250 To 500, Add</i>	0.25	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.09	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.18	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.27	
		<i>For &gt;20,000, Deduct</i>	-0.36	
09 91 23 00-0111	SF	2 Coats Paint, Brush Work, Paint Interior Stucco Wall Surfaces.....	3.13	
		<i>For Oil Based Paint, Add</i>	0.18	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.41	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.69	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	1.10	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	1.51	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	2.12	
		<i>For &gt;100 To 250, Add</i>	1.00	
		<i>For &gt;250 To 500, Add</i>	0.43	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.16	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.31	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.47	
		<i>For &gt;20,000, Deduct</i>	-0.63	
09 91 23 00-0112	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Stucco Wall Surfaces.....	1.21	
		<i>For Oil Based Paint, Add</i>	0.07	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.16	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.26	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.42	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	0.58	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	0.81	
		<i>For &gt;100 To 250, Add</i>	0.38	
		<i>For &gt;250 To 500, Add</i>	0.17	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.06	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.12	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.18	
		<i>For &gt;20,000, Deduct</i>	-0.24	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 23 00-0113	SF		1 Coat Paint, Brush/Roller Work, Paint Interior Stucco Wall Surfaces.....	1.38	
			For Oil Based Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.18	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.30	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.48	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.65	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.92	
			For >100 To 250, Add	0.44	
			For >250 To 500, Add	0.19	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.21	
			For >20,000, Deduct	-0.28	
09 91 23 00-0114	SF		2 Coats Paint, Brush/Roller Work, Paint Interior Stucco Wall Surfaces.....	2.51	
			For Oil Based Paint, Add	0.14	
			For Work >15' To 20' Above Floor, Add	0.32	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.53	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.85	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.17	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.65	
			For >100 To 250, Add	0.78	
			For >250 To 500, Add	0.34	
			For >2,500 To 5,000, Deduct	-0.13	
			For >5,000 To 10,000, Deduct	-0.25	
			For >10,000 To 20,000, Deduct	-0.38	
			For >20,000, Deduct	-0.50	
09 91 23 00-0115	SF		1 Coat Primer, Sprayed, Paint Interior Stucco Wall Surfaces.....	0.80	
			For Oil Based Paint, Add	0.05	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.15	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.24	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.34	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.49	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
09 91 23 00-0116	SF		1 Coat Paint, Sprayed, Paint Interior Stucco Wall Surfaces.....	0.98	
			For Oil Based Paint, Add	0.06	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.19	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.30	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.41	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.59	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	
09 91 23 00-0117	SF		2 Coats Paint, Sprayed, Paint Interior Stucco Wall Surfaces.....	1.91	
			For Oil Based Paint, Add	0.12	
			For Work >15' To 20' Above Floor, Add	0.22	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.37	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.59	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.81	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.17	
			For >100 To 250, Add	0.56	
			For >250 To 500, Add	0.24	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.19	
			For >10,000 To 20,000, Deduct	-0.29	
			For >20,000, Deduct	-0.38	

09 91 23 00-0118 Paint Interior Wood Walls (09 91 23 00-0001)

09 91 23 00-0119 Interior Wood Walls (09 91 23 00-0118)

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0120	LF 1 Coat Paint, Cut-in Brush Work, Paint Interior Wood Wall Surfaces .....	0.20	
	For Oil Based Paint, Add	0.01	
	For Work >15' To 20' Above Floor, Add	0.03	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.05	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.07	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.10	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.14	
	For >100 To 250, Add	0.07	
	For >250 To 500, Add	0.03	
	For >2,500 To 5,000, Deduct	-0.01	
	For >5,000 To 10,000, Deduct	-0.02	
	For >10,000 To 20,000, Deduct	-0.03	
	For >20,000, Deduct	-0.04	
09 91 23 00-0121	SF 1 Coat Paint, Brush Work, Paint Interior Wood Wall Surfaces.....	1.21	
	For Oil Based Paint, Add	0.07	
	For Work >15' To 20' Above Floor, Add	0.16	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.27	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.43	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.59	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.82	
	For >100 To 250, Add	0.39	
	For >250 To 500, Add	0.17	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.12	
	For >10,000 To 20,000, Deduct	-0.18	
	For >20,000, Deduct	-0.24	
09 91 23 00-0122	SF 2 Coats Paint, Brush Work, Paint Interior Wood Wall Surfaces .....	2.20	
	For Oil Based Paint, Add	0.12	
	For Work >15' To 20' Above Floor, Add	0.29	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.48	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.77	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	1.06	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.49	
	For >100 To 250, Add	0.70	
	For >250 To 500, Add	0.30	
	For >2,500 To 5,000, Deduct	-0.11	
	For >5,000 To 10,000, Deduct	-0.22	
	For >10,000 To 20,000, Deduct	-0.33	
	For >20,000, Deduct	-0.44	
09 91 23 00-0123	SF 3 Coats Paint, Brush Work, Paint Interior Wood Wall Surfaces .....	3.12	
	For Oil Based Paint, Add	0.18	
	For Work >15' To 20' Above Floor, Add	0.41	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.68	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	1.09	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	1.50	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	2.10	
	For >100 To 250, Add	0.99	
	For >250 To 500, Add	0.43	
	For >2,500 To 5,000, Deduct	-0.16	
	For >5,000 To 10,000, Deduct	-0.31	
	For >10,000 To 20,000, Deduct	-0.47	
	For >20,000, Deduct	-0.62	
09 91 23 00-0124	SF 1 Coat Primer, Brush/Roller Work, Paint Interior Wood Walls .....	0.85	
	For Oil Based Paint, Add	0.05	
	For Work >15' To 20' Above Floor, Add	0.11	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.18	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.28	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.39	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.55	
	For >100 To 250, Add	0.26	
	For >250 To 500, Add	0.11	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.13	
	For >20,000, Deduct	-0.17	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 23 00-0125	SF		1 Coat Paint, Brush/Roller Work, Paint Interior Wood Walls.....	0.97	
			For Oil Based Paint, Add	0.06	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.21	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.33	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.46	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.64	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.19	
09 91 23 00-0126	SF		2 Coats Paint, Brush/Roller Work, Paint Interior Wood Walls.....	1.70	
			For Oil Based Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.21	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.36	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.57	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.79	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.11	
			For >100 To 250, Add	0.53	
			For >250 To 500, Add	0.23	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000 To 20,000, Deduct	-0.26	
			For >20,000, Deduct	-0.34	
09 91 23 00-0127	SF		1 Coat Primer, Sprayed, Paint Interior Wood Walls.....	0.56	
			For Oil Based Paint, Add	0.04	
			For Work >15' To 20' Above Floor, Add	0.06	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.10	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.16	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.22	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.32	
			For >100 To 250, Add	0.16	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.11	
09 91 23 00-0128	SF		1 Coat Paint, Sprayed, Paint Interior Wood Walls.....	0.72	
			For Oil Based Paint, Add	0.05	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.13	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.21	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.29	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.43	
			For >100 To 250, Add	0.20	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.14	
09 91 23 00-0129	SF		2 Coats Paint, Sprayed, Paint Interior Wood Walls.....	1.31	
			For Oil Based Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.14	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.23	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.37	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.51	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.75	
			For >100 To 250, Add	0.36	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.26	

- 09 91 23 00-0130 Paint Interior Ceilings (09 91 23)
- 09 91 23 00-0131 Paint Interior Acoustical Ceilings (09 91 23 00-0130)  
Note: Includes grid.

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

09 91 23 00-0132	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Acoustical Ceiling .....	0.30
		<i>For Oil Based Paint, Add</i>	0.02
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.03
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.05
		<i>Note: Applied only to work area above 20' to 30'.</i>	
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.08
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work &gt;40' Above Floor, Add</i>	0.10
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	0.16
		<i>For &gt;100 To 250, Add</i>	0.08
		<i>For &gt;250 To 500, Add</i>	0.03
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.02
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.03
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.05
		<i>For &gt;20,000, Deduct</i>	-0.06
09 91 23 00-0133	SF	1 Coat Primer, Brush Work, Paint Interior Acoustical Ceiling.....	1.07
		<i>For Oil Based Paint, Add</i>	0.06
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.14
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.23
		<i>Note: Applied only to work area above 20' to 30'.</i>	
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.37
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work &gt;40' Above Floor, Add</i>	0.51
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	0.72
		<i>For &gt;100 To 250, Add</i>	0.34
		<i>For &gt;250 To 500, Add</i>	0.15
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.11
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.16
		<i>For &gt;20,000, Deduct</i>	-0.21
09 91 23 00-0134	SF	1 Coat Paint, Brush Work, Paint Interior Acoustical Ceiling.....	1.17
		<i>For Oil Based Paint, Add</i>	0.06
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.16
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.27
		<i>Note: Applied only to work area above 20' to 30'.</i>	
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.42
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work &gt;40' Above Floor, Add</i>	0.58
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	0.81
		<i>For &gt;100 To 250, Add</i>	0.38
		<i>For &gt;250 To 500, Add</i>	0.16
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.06
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.12
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.18
		<i>For &gt;20,000, Deduct</i>	-0.23
09 91 23 00-0135	SF	2 Coats Paint, Brush Work, Paint Interior Acoustical Ceiling .....	2.07
		<i>For Oil Based Paint, Add</i>	0.11
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.28
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.46
		<i>Note: Applied only to work area above 20' to 30'.</i>	
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.74
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work &gt;40' Above Floor, Add</i>	1.02
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	1.42
		<i>For &gt;100 To 250, Add</i>	0.67
		<i>For &gt;250 To 500, Add</i>	0.29
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.10
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.21
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.31
		<i>For &gt;20,000, Deduct</i>	-0.41
09 91 23 00-0136	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Acoustical Ceiling .....	0.91
		<i>For Oil Based Paint, Add</i>	0.05
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.12
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.19
		<i>Note: Applied only to work area above 20' to 30'.</i>	
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.31
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work &gt;40' Above Floor, Add</i>	0.42
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	0.60
		<i>For &gt;100 To 250, Add</i>	0.28
		<i>For &gt;250 To 500, Add</i>	0.12
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.09
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.14
		<i>For &gt;20,000, Deduct</i>	-0.18



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 23 00-0137	SF 1 Coat Paint, Brush/Roller Work, Paint Interior Acoustical Ceiling.....	0.90
	For Oil Based Paint, Add	0.05
	For Work >15' To 20' Above Floor, Add	0.12
	Note: Applied only to work area above 15' to 20'.	
	For Work >20' To 30' Above Floor, Add	0.20
	Note: Applied only to work area above 20' to 30'.	
	For Work >30' To 40' Above Floor, Add	0.32
	Note: Applied only to work area above 30' to 40'.	
	For Work >40' Above Floor, Add	0.43
	Note: Applied only to work area above 40'.	
	For Up To 100, Add	0.61
	For >100 To 250, Add	0.29
	For >250 To 500, Add	0.12
	For >2,500 To 5,000, Deduct	-0.05
	For >5,000 To 10,000, Deduct	-0.09
	For >10,000 To 20,000, Deduct	-0.14
	For >20,000, Deduct	-0.18
09 91 23 00-0138	SF 2 Coats Paint, Brush/Roller Work, Paint Interior Acoustical Ceiling.....	1.68
	For Oil Based Paint, Add	0.10
	For Work >15' To 20' Above Floor, Add	0.22
	Note: Applied only to work area above 15' to 20'.	
	For Work >20' To 30' Above Floor, Add	0.37
	Note: Applied only to work area above 20' to 30'.	
	For Work >30' To 40' Above Floor, Add	0.58
	Note: Applied only to work area above 30' to 40'.	
	For Work >40' Above Floor, Add	0.80
	Note: Applied only to work area above 40'.	
	For Up To 100, Add	1.13
	For >100 To 250, Add	0.53
	For >250 To 500, Add	0.23
	For >2,500 To 5,000, Deduct	-0.08
	For >5,000 To 10,000, Deduct	-0.17
	For >10,000 To 20,000, Deduct	-0.25
	For >20,000, Deduct	-0.34
09 91 23 00-0139	SF 1 Coat Primer, Sprayed, Paint Interior Acoustical Ceiling.....	0.74
	For Oil Based Paint, Add	0.05
	For Work >15' To 20' Above Floor, Add	0.09
	Note: Applied only to work area above 15' to 20'.	
	For Work >20' To 30' Above Floor, Add	0.15
	Note: Applied only to work area above 20' to 30'.	
	For Work >30' To 40' Above Floor, Add	0.23
	Note: Applied only to work area above 30' to 40'.	
	For Work >40' Above Floor, Add	0.32
	Note: Applied only to work area above 40'.	
	For Up To 100, Add	0.46
	For >100 To 250, Add	0.22
	For >250 To 500, Add	0.10
	For >2,500 To 5,000, Deduct	-0.04
	For >5,000 To 10,000, Deduct	-0.07
	For >10,000 To 20,000, Deduct	-0.11
	For >20,000, Deduct	-0.15
09 91 23 00-0140	SF 1 Coat Paint, Sprayed, Paint Interior Acoustical Ceiling.....	0.73
	For Oil Based Paint, Add	0.04
	For Work >15' To 20' Above Floor, Add	0.09
	Note: Applied only to work area above 15' to 20'.	
	For Work >20' To 30' Above Floor, Add	0.15
	Note: Applied only to work area above 20' to 30'.	
	For Work >30' To 40' Above Floor, Add	0.24
	Note: Applied only to work area above 30' to 40'.	
	For Work >40' Above Floor, Add	0.32
	Note: Applied only to work area above 40'.	
	For Up To 100, Add	0.46
	For >100 To 250, Add	0.22
	For >250 To 500, Add	0.10
	For >2,500 To 5,000, Deduct	-0.04
	For >5,000 To 10,000, Deduct	-0.07
	For >10,000 To 20,000, Deduct	-0.11
	For >20,000, Deduct	-0.15
09 91 23 00-0141	SF 2 Coats Paint, Sprayed, Paint Interior Acoustical Ceiling.....	1.16
	For Oil Based Paint, Add	0.07
	For Work >15' To 20' Above Floor, Add	0.13
	Note: Applied only to work area above 15' to 20'.	
	For Work >20' To 30' Above Floor, Add	0.22
	Note: Applied only to work area above 20' to 30'.	
	For Work >30' To 40' Above Floor, Add	0.36
	Note: Applied only to work area above 30' to 40'.	
	For Work >40' Above Floor, Add	0.49
	Note: Applied only to work area above 40'.	
	For Up To 100, Add	0.71
	For >100 To 250, Add	0.34
	For >250 To 500, Add	0.15
	For >2,500 To 5,000, Deduct	-0.06
	For >5,000 To 10,000, Deduct	-0.12
	For >10,000 To 20,000, Deduct	-0.17
	For >20,000, Deduct	-0.23

09 91 23 00-0142 Paint Interior Concrete Ceilings (09 91 23 00-0130)

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

09 91 23 00-0143	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Concrete Ceiling .....	0.20
		For Work >15' To 20' Above Floor, Add	0.03
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.05
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.07
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.10
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.14
		For >100 To 250, Add	0.07
		For >250 To 500, Add	0.03
		For >2,500 To 5,000, Deduct	-0.01
		For >5,000 To 10,000, Deduct	-0.02
		For >10,000 To 20,000, Deduct	-0.03
		For >20,000, Deduct	-0.04
09 91 23 00-0144	SF	1 Coat Filler, Brush Work, Paint Interior Concrete Ceiling .....	1.06
		For Oil Based Paint, Add	0.06
		For Epoxy Paint, Add	0.10
		For Work >15' To 20' Above Floor, Add	0.14
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.23
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.37
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.51
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.71
		For >100 To 250, Add	0.34
		For >250 To 500, Add	0.15
		For >2,500 To 5,000, Deduct	-0.05
		For >5,000 To 10,000, Deduct	-0.11
		For >10,000 To 20,000, Deduct	-0.16
		For >20,000, Deduct	-0.21
09 91 23 00-0145	SF	1 Coat Paint, Brush Work, Paint Interior Concrete Ceiling .....	1.17
		For Oil Based Paint, Add	0.06
		For Epoxy Paint, Add	0.09
		For Work >15' To 20' Above Floor, Add	0.16
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.27
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.42
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.58
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.81
		For >100 To 250, Add	0.38
		For >250 To 500, Add	0.16
		For >2,500 To 5,000, Deduct	-0.06
		For >5,000 To 10,000, Deduct	-0.12
		For >10,000 To 20,000, Deduct	-0.18
		For >20,000, Deduct	-0.23
09 91 23 00-0146	SF	2 Coats Paint, Brush Work, Paint Interior Concrete Ceiling .....	2.07
		For Oil Based Paint, Add	0.11
		For Epoxy Paint, Add	0.17
		For Work >15' To 20' Above Floor, Add	0.28
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.46
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.74
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	1.02
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	1.42
		For >100 To 250, Add	0.67
		For >250 To 500, Add	0.29
		For >2,500 To 5,000, Deduct	-0.10
		For >5,000 To 10,000, Deduct	-0.21
		For >10,000 To 20,000, Deduct	-0.31
		For >20,000, Deduct	-0.41
09 91 23 00-0147	SF	1 Coat Filler, Brush/Roller Work, Paint Interior Concrete Ceiling .....	0.80
		For Oil Based Paint, Add	0.05
		For Epoxy Paint, Add	0.08
		For Work >15' To 20' Above Floor, Add	0.10
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.17
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.26
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.36
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.52
		For >100 To 250, Add	0.25
		For >250 To 500, Add	0.11
		For >2,500 To 5,000, Deduct	-0.04
		For >5,000 To 10,000, Deduct	-0.08
		For >10,000 To 20,000, Deduct	-0.12
		For >20,000, Deduct	-0.16

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 23 00-0148	SF		1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Ceiling .....	0.90	
			For Oil Based Paint, Add	0.05	
			For Epoxy Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.20	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.32	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.43	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.61	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.18	
09 91 23 00-0149	SF		2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Ceiling.....	1.68	
			For Oil Based Paint, Add	0.10	
			For Epoxy Paint, Add	0.15	
			For Work >15' To 20' Above Floor, Add	0.22	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.37	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.58	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.80	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.13	
			For >100 To 250, Add	0.53	
			For >250 To 500, Add	0.23	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000 To 20,000, Deduct	-0.25	
			For >20,000, Deduct	-0.34	
09 91 23 00-0150	SF		1 Coat Filler, Sprayed, Paint Interior Concrete Ceiling .....	0.70	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.14	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.22	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.30	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.43	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.14	
09 91 23 00-0151	SF		1 Coat Paint, Sprayed, Paint Interior Concrete Ceiling .....	0.73	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.15	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.24	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.32	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.46	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.15	
09 91 23 00-0152	SF		2 Coats Paint, Sprayed, Paint Interior Concrete Ceiling .....	1.15	
			For Oil Based Paint, Add	0.07	
			For Epoxy Paint, Add	0.14	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.22	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.35	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.48	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.70	
			For >100 To 250, Add	0.34	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.23	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0153	SF 1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Ceiling.....	1.08	
	For Work >15' To 20' Above Floor, Add	0.14	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.23	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.37	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.51	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.71	
	For >100 To 250, Add	0.34	
	For >250 To 500, Add	0.15	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.11	
	For >10,000 To 20,000, Deduct	-0.16	
	For >20,000, Deduct	-0.22	
09 91 23 00-0154	SF 1 Coat Bonding Agent, Brush/Roller, Paint Interior Concrete Ceiling.....	0.82	
	For Work >15' To 20' Above Floor, Add	0.10	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.17	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.26	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.36	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.52	
	For >100 To 250, Add	0.25	
	For >250 To 500, Add	0.11	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.08	
	For >10,000 To 20,000, Deduct	-0.12	
	For >20,000, Deduct	-0.16	
09 91 23 00-0155	SF 1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Ceiling.....	0.73	
	For Work >15' To 20' Above Floor, Add	0.08	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.14	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.22	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.30	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.43	
	For >100 To 250, Add	0.21	
	For >250 To 500, Add	0.09	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.07	
	For >10,000 To 20,000, Deduct	-0.11	
	For >20,000, Deduct	-0.15	
09 91 23 00-0156	Paint Interior Drywall/Plaster Ceilings (09 91 23 00-0130)		
09 91 23 00-0157	LF 1 Coat Paint, Cut-in Brush Work, Paint Interior Drywall/Plaster Ceiling.....	0.20	
	For Epoxy Paint, Add	0.02	
	For Oil Based Paint, Add	0.01	
	For Work >15' To 20' Above Floor, Add	0.03	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.05	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.07	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.10	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.14	
	For >100 To 250, Add	0.07	
	For >250 To 500, Add	0.03	
	For >2,500 To 5,000, Deduct	-0.01	
	For >5,000 To 10,000, Deduct	-0.02	
	For >10,000 To 20,000, Deduct	-0.03	
	For >20,000, Deduct	-0.04	
09 91 23 00-0158	SF 1 Coat Primer, Brush Work, Pain Interior Drywall/Plaster Ceiling.....	1.07	
	For Epoxy Paint, Add	0.10	
	For Oil Based Paint, Add	0.06	
	For Orange Peel Finish, Add	0.15	
	For Work >15' To 20' Above Floor, Add	0.14	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.23	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.37	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.51	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.72	
	For >100 To 250, Add	0.34	
	For >250 To 500, Add	0.15	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.11	
	For >10,000 To 20,000, Deduct	-0.16	
	For >20,000, Deduct	-0.21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 23 00-0159	SF	1	Coat Paint, Brush Work, Paint Interior Drywall/Plaster Ceiling .....	1.17	
			For Epoxy Paint, Add	0.09	
			For Oil Based Paint, Add	0.06	
			For Orange Peel Finish, Add	0.17	
			For Work >15' To 20' Above Floor, Add	0.16	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.27	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.42	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.58	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.81	
			For >100 To 250, Add	0.38	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.23	
09 91 23 00-0160	SF	2	Coats Paint, Brush Work, Paint Interior Drywall/Plaster Ceiling.....	2.07	
			For Epoxy Paint, Add	0.17	
			For Oil Based Paint, Add	0.11	
			For Orange Peel Finish, Add	0.30	
			For Work >15' To 20' Above Floor, Add	0.28	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.46	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.74	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.02	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.42	
			For >100 To 250, Add	0.67	
			For >250 To 500, Add	0.29	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.21	
			For >10,000 To 20,000, Deduct	-0.31	
			For >20,000, Deduct	-0.41	
09 91 23 00-0161	SF	1	Coat Primer, Brush/Roller Work, Paint Interior Drywall/Plaster Ceiling.....	0.91	
			For Epoxy Paint, Add	0.09	
			For Oil Based Paint, Add	0.05	
			For Orange Peel Finish, Add	0.13	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.19	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.31	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.42	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.60	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.18	
09 91 23 00-0162	SF	1	Coat Paint, Brush/Roller Work, Paint Interior Drywall/Plaster Ceiling .....	0.90	
			For Epoxy Paint, Add	0.08	
			For Oil Based Paint, Add	0.05	
			For Orange Peel Finish, Add	0.13	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.20	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.32	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.43	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.61	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.18	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0163	SF 2 Coats Paints, Brush/Roller Work, Paint Interior Drywall/Plaster Ceiling.....	1.68	
	For Epoxy Paint, Add	0.15	
	For Oil Based Paint, Add	0.10	
	For Orange Peel Finish, Add	0.24	
	For Work >15' To 20' Above Floor, Add	0.22	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.37	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.58	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.80	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.13	
	For >100 To 250, Add	0.53	
	For >250 To 500, Add	0.23	
	For >2,500 To 5,000, Deduct	-0.08	
	For >5,000 To 10,000, Deduct	-0.17	
	For >10,000 To 20,000, Deduct	-0.25	
	For >20,000, Deduct	-0.34	
09 91 23 00-0164	SF 1 Coat Primer, Sprayed, Paint Interior Drywall/Plaster Ceiling .....	0.74	
	For Epoxy Paint, Add	0.09	
	For Oil Based Paint, Add	0.05	
	For Work >15' To 20' Above Floor, Add	0.09	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.15	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.23	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.32	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.46	
	For >100 To 250, Add	0.22	
	For >250 To 500, Add	0.10	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.07	
	For >10,000 To 20,000, Deduct	-0.11	
	For >20,000, Deduct	-0.15	
09 91 23 00-0165	SF 1 Coat Paint, Sprayed, Paint Interior Drywall/Plaster Ceiling.....	0.73	
	For Epoxy Paint, Add	0.08	
	For Oil Based Paint, Add	0.04	
	For Work >15' To 20' Above Floor, Add	0.09	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.15	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.24	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.32	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.46	
	For >100 To 250, Add	0.22	
	For >250 To 500, Add	0.10	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.07	
	For >10,000 To 20,000, Deduct	-0.11	
	For >20,000, Deduct	-0.15	
09 91 23 00-0166	SF 2 Coats Paint, Sprayed, Paint Interior Drywall/Plaster Ceiling.....	1.16	
	For Epoxy Paint, Add	0.14	
	For Oil Based Paint, Add	0.07	
	For Work >15' To 20' Above Floor, Add	0.13	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.22	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.36	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.49	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.71	
	For >100 To 250, Add	0.34	
	For >250 To 500, Add	0.15	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.12	
	For >10,000 To 20,000, Deduct	-0.17	
	For >20,000, Deduct	-0.23	

09 91 23 00-0167 Paint Interior Metal Ceilings (09 91 23 00-0130)

09 91 23 00-0168 Galvanized Surfaces, Galvanized Primer (09 91 23 00-0167)  
 Note: Linseed oil or acrylic latex paint.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 23 00-0169	SF		1 Coat Primer, Brush Work, Paint Interior Galvanized Ceiling.....	1.34	
			For Electrostatic Painting, Add	0.18	
			For Work >15' To 20' Above Floor, Add	0.16	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.26	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.42	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.58	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.83	
			For >100 To 250, Add	0.40	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.27	
09 91 23 00-0170	SF		1 Coat Paint, Brush Work, Paint Interior Galvanized Ceiling.....	1.49	
			For Electrostatic Painting, Add	0.19	
			For Work >15' To 20' Above Floor, Add	0.18	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.30	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.48	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.66	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.94	
			For >100 To 250, Add	0.45	
			For >250 To 500, Add	0.19	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 20,000, Deduct	-0.22	
			For >20,000, Deduct	-0.30	
09 91 23 00-0171	SF		2 Coats Paint, Brush Work, Paint Interior Galvanized Ceiling.....	2.69	
			For Electrostatic Painting, Add	0.35	
			For Work >15' To 20' Above Floor, Add	0.32	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.53	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.85	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.17	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.68	
			For >100 To 250, Add	0.80	
			For >250 To 500, Add	0.35	
			For >2,500 To 5,000, Deduct	-0.13	
			For >5,000 To 10,000, Deduct	-0.27	
			For >10,000 To 20,000, Deduct	-0.40	
			For >20,000, Deduct	-0.54	
09 91 23 00-0172	SF		1 Coat Primer, Brush/Roller Work, Paint Interior Galvanized Ceiling.....	1.03	
			For Electrostatic Painting, Add	0.14	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.20	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.32	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.43	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.63	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.21	
09 91 23 00-0173	SF		1 Coat Paint, Brush/Roller Work, Paint Interior Galvanized Ceiling.....	1.16	
			For Electrostatic Painting, Add	0.15	
			For Work >15' To 20' Above Floor, Add	0.14	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.23	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.37	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.51	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.73	
			For >100 To 250, Add	0.35	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.23	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0174	SF 2 Coats Paint, Brush/Roller Work, Paint Interior Galvanized Ceiling .....	2.14	
	For Electrostatic Painting, Add	0.28	
	For Work >15' To 20' Above Floor, Add	0.25	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.42	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.67	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.92	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.32	
	For >100 To 250, Add	0.63	
	For >250 To 500, Add	0.27	
	For >2,500 To 5,000, Deduct	-0.11	
	For >5,000 To 10,000, Deduct	-0.21	
	For >10,000 To 20,000, Deduct	-0.32	
	For >20,000, Deduct	-0.43	
09 91 23 00-0175	SF 1 Coat Primer, Sprayed, Paint Interior Galvanized Ceiling .....	0.92	
	For Electrostatic Painting, Add	0.14	
	For Work >15' To 20' Above Floor, Add	0.09	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.15	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.24	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.32	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.49	
	For >100 To 250, Add	0.24	
	For >250 To 500, Add	0.11	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.14	
	For >20,000, Deduct	-0.18	
09 91 23 00-0176	SF 1 Coat Paint, Sprayed, Paint Interior Galvanized Ceiling.....	1.06	
	For Electrostatic Painting, Add	0.16	
	For Work >15' To 20' Above Floor, Add	0.11	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.18	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.29	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.40	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.60	
	For >100 To 250, Add	0.29	
	For >250 To 500, Add	0.13	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.11	
	For >10,000 To 20,000, Deduct	-0.16	
	For >20,000, Deduct	-0.21	
09 91 23 00-0177	SF 2 Coats Paint, Sprayed, Paint Interior Galvanized Ceiling.....	1.69	
	For Electrostatic Painting, Add	0.27	
	For Work >15' To 20' Above Floor, Add	0.15	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.26	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.41	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.57	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.87	
	For >100 To 250, Add	0.43	
	For >250 To 500, Add	0.19	
	For >2,500 To 5,000, Deduct	-0.08	
	For >5,000 To 10,000, Deduct	-0.17	
	For >10,000 To 20,000, Deduct	-0.25	
	For >20,000, Deduct	-0.34	
09 91 23 00-0178	Aluminum And Aluminum Alloy Surface Pretreatment Primer <sup>(09 91 23 00-0167)</sup>		
	Note: Alkyd enamel paint.		
09 91 23 00-0179	SF 1 Coat Primer, Brush Work, Paint Interior Aluminum And Aluminum Alloy Ceiling .....	1.34	
	For Electrostatic Painting, Add	0.18	
	For Work >15' To 20' Above Floor, Add	0.16	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.26	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.42	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.58	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.83	
	For >100 To 250, Add	0.40	
	For >250 To 500, Add	0.17	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.13	
	For >10,000 To 20,000, Deduct	-0.20	
	For >20,000, Deduct	-0.27	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 23 00-0180	SF	1	Coat Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Ceiling .....	1.49	
			For Electrostatic Painting, Add	0.19	
			For Work >15' To 20' Above Floor, Add	0.18	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.30	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.48	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.66	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.94	
			For >100 To 250, Add	0.45	
			For >250 To 500, Add	0.19	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 20,000, Deduct	-0.22	
			For >20,000, Deduct	-0.30	
09 91 23 00-0181	SF	2	Coats Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Ceiling.....	2.69	
			For Electrostatic Painting, Add	0.35	
			For Work >15' To 20' Above Floor, Add	0.32	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.53	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.85	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.17	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.68	
			For >100 To 250, Add	0.80	
			For >250 To 500, Add	0.35	
			For >2,500 To 5,000, Deduct	-0.13	
			For >5,000 To 10,000, Deduct	-0.27	
			For >10,000 To 20,000, Deduct	-0.40	
			For >20,000, Deduct	-0.54	
09 91 23 00-0182	SF	1	Coat Primer, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Ceiling.....	1.12	
			For Electrostatic Painting, Add	0.16	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.20	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.32	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.43	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.64	
			For >100 To 250, Add	0.31	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.22	
09 91 23 00-0183	SF	1	Coat Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Ceiling .....	1.25	
			For Electrostatic Painting, Add	0.17	
			For Work >15' To 20' Above Floor, Add	0.14	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.23	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.37	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.51	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.74	
			For >100 To 250, Add	0.36	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.25	
09 91 23 00-0184	SF	2	Coats Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Ceiling .....	2.37	
			For Electrostatic Painting, Add	0.34	
			For Work >15' To 20' Above Floor, Add	0.26	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.43	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.68	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.94	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.38	
			For >100 To 250, Add	0.66	
			For >250 To 500, Add	0.29	
			For >2,500 To 5,000, Deduct	-0.12	
			For >5,000 To 10,000, Deduct	-0.24	
			For >10,000 To 20,000, Deduct	-0.36	
			For >20,000, Deduct	-0.47	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0185	SF 1 Coat Primer, Sprayed, Paint Interior Aluminum And Aluminum Alloy Ceiling .....	0.92	
	For Electrostatic Painting, Add	0.14	
	For Work >15' To 20' Above Floor, Add	0.09	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.15	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.24	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.32	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.49	
	For >100 To 250, Add	0.24	
	For >250 To 500, Add	0.11	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.14	
	For >20,000, Deduct	-0.18	
09 91 23 00-0186	SF 1 Coat Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Ceiling.....	1.06	
	For Electrostatic Painting, Add	0.16	
	For Work >15' To 20' Above Floor, Add	0.11	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.18	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.29	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.40	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.60	
	For >100 To 250, Add	0.29	
	For >250 To 500, Add	0.13	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.11	
	For >10,000 To 20,000, Deduct	-0.16	
	For >20,000, Deduct	-0.21	
09 91 23 00-0187	SF 2 Coats Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Ceiling.....	1.69	
	For Electrostatic Painting, Add	0.27	
	For Work >15' To 20' Above Floor, Add	0.15	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.26	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.41	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.57	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.87	
	For >100 To 250, Add	0.43	
	For >250 To 500, Add	0.19	
	For >2,500 To 5,000, Deduct	-0.08	
	For >5,000 To 10,000, Deduct	-0.17	
	For >10,000 To 20,000, Deduct	-0.25	
	For >20,000, Deduct	-0.34	
09 91 23 00-0188	Paint Interior Ceiling Tile Grid (09 91 23 00-0167)		
	Note: Grid only.		
09 91 23 00-0189	LF 1 Coat Paint, Brush/Roller Work, Paint Interior Ceiling Tile Grid .....	0.28	
	For Electrostatic Painting, Add	0.03	
	For Work >15' To 20' Above Floor, Add	0.04	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.06	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.10	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.13	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.19	
	For >100 To 250, Add	0.09	
	For >250 To 500, Add	0.04	
	For >2,500 To 5,000, Deduct	-0.01	
	For >5,000 To 10,000, Deduct	-0.03	
	For >10,000 To 20,000, Deduct	-0.04	
	For >20,000, Deduct	-0.06	
09 91 23 00-0190	LF 2 Coats Paint, Brush/Roller Work, Paint Interior Ceiling Tile Grid.....	0.58	
	For Electrostatic Painting, Add	0.07	
	For Work >15' To 20' Above Floor, Add	0.08	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.13	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.20	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.28	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.39	
	For >100 To 250, Add	0.18	
	For >250 To 500, Add	0.08	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.06	
	For >10,000 To 20,000, Deduct	-0.09	
	For >20,000, Deduct	-0.12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>09 91 23 00-0191</b>			<b>Paint Interior Corrugated Metal Ceilings</b> <small>(09 91 23 00-0167)</small>		
09 91 23 00-0192	SF		1 Coat Primer, Sprayed, Paint Interior Corrugated Metal Ceiling.....	1.22	
			For Electrostatic Painting, Add	0.19	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.20	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.31	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.43	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.65	
			For >100 To 250, Add	0.32	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.24	
09 91 23 00-0193	SF		1 Coat Paint, Sprayed, Paint Interior Corrugated Metal Ceiling.....	1.41	
			For Electrostatic Painting, Add	0.21	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.24	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.39	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.53	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.79	
			For >100 To 250, Add	0.38	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.21	
			For >20,000, Deduct	-0.28	
09 91 23 00-0194	SF		2 Coats Paint, Sprayed, Paint Interior Corrugated Metal Ceiling.....	2.25	
			For Electrostatic Painting, Add	0.36	
			For Work >15' To 20' Above Floor, Add	0.21	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.34	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.55	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.75	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.16	
			For >100 To 250, Add	0.57	
			For >250 To 500, Add	0.25	
			For >2,500 To 5,000, Deduct	-0.11	
			For >5,000 To 10,000, Deduct	-0.23	
			For >10,000 To 20,000, Deduct	-0.34	
			For >20,000, Deduct	-0.45	
<b>09 91 23 00-0195</b>			<b>Paint Interior Wood Ceilings</b> <small>(09 91 23 00-0130)</small>		
<b>09 91 23 00-0196</b>			<b>Paint Interior Smooth Wood Ceilings</b> <small>(09 91 23 00-0195)</small>		
09 91 23 00-0197	LF		1 Coat Paint, Cut-in Brush Work, Paint Interior Wood Smooth Ceiling.....	0.23	
			For Oil Based Paint, Add	0.01	
			For Work >15' To 20' Above Floor, Add	0.03	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.05	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.08	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.11	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.15	
			For >100 To 250, Add	0.07	
			For >250 To 500, Add	0.03	
			For >2,500 To 5,000, Deduct	-0.01	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 20,000, Deduct	-0.03	
			For >20,000, Deduct	-0.05	
09 91 23 00-0198	SF		1 Coat Primer, Brush Work, Paint Interior Wood Smooth Ceiling.....	1.29	
			For Oil Based Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.17	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.28	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.44	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.61	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.85	
			For >100 To 250, Add	0.40	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.26	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0199	SF 1 Coat Paint, Brush Work, Paint Interior Wood Smooth Ceiling.....	1.36	
	For Oil Based Paint, Add	0.08	
	For Work >15' To 20' Above Floor, Add	0.18	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.30	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.48	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.66	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.92	
	For >100 To 250, Add	0.44	
	For >250 To 500, Add	0.19	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.14	
	For >10,000 To 20,000, Deduct	-0.20	
	For >20,000, Deduct	-0.27	
09 91 23 00-0200	SF 2 Coats Paint, Brush Work, Paint Interior Wood Smooth Ceiling.....	2.44	
	For Oil Based Paint, Add	0.14	
	For Work >15' To 20' Above Floor, Add	0.32	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.53	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.85	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	1.17	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.64	
	For >100 To 250, Add	0.77	
	For >250 To 500, Add	0.33	
	For >2,500 To 5,000, Deduct	-0.12	
	For >5,000 To 10,000, Deduct	-0.24	
	For >10,000 To 20,000, Deduct	-0.37	
	For >20,000, Deduct	-0.49	
09 91 23 00-0201	SF 1 Coat Primer, Brush/Roller Work, Paint Interior Smooth Wood Ceiling.....	1.02	
	For Oil Based Paint, Add	0.06	
	For Work >15' To 20' Above Floor, Add	0.12	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.20	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.32	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.44	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.63	
	For >100 To 250, Add	0.30	
	For >250 To 500, Add	0.13	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.10	
	For >10,000 To 20,000, Deduct	-0.15	
	For >20,000, Deduct	-0.20	
09 91 23 00-0202	SF 1 Coat Paint, Brush/Roller Work, Paint Interior Smooth Wood Ceiling .....	1.12	
	For Oil Based Paint, Add	0.07	
	For Work >15' To 20' Above Floor, Add	0.14	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.23	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.37	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.51	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.73	
	For >100 To 250, Add	0.34	
	For >250 To 500, Add	0.15	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.11	
	For >10,000 To 20,000, Deduct	-0.17	
	For >20,000, Deduct	-0.22	
09 91 23 00-0203	SF 2 Coats Paint, Brush/Roller Work, Paint Interior Smooth Wood Ceiling.....	2.09	
	For Oil Based Paint, Add	0.12	
	For Work >15' To 20' Above Floor, Add	0.26	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.43	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.68	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.94	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.34	
	For >100 To 250, Add	0.64	
	For >250 To 500, Add	0.28	
	For >2,500 To 5,000, Deduct	-0.10	
	For >5,000 To 10,000, Deduct	-0.21	
	For >10,000 To 20,000, Deduct	-0.31	
	For >20,000, Deduct	-0.42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 23 00-0204	SF		1 Coat Primer, Sprayed, Paint Interior Smooth Wood Ceiling.....	0.75	
			<i>For Oil Based Paint, Add</i>	0.05	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.09	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.15	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.24	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.32	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.47	
			<i>For &gt;100 To 250, Add</i>	0.22	
			<i>For &gt;250 To 500, Add</i>	0.10	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.08	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.11	
			<i>For &gt;20,000, Deduct</i>	-0.15	

09 91 23 00-0205	SF		1 Coat Paint, Sprayed, Paint Interior Smooth Wood Ceiling.....	0.90	
			<i>For Oil Based Paint, Add</i>	0.05	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.11	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.19	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.30	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.41	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.58	
			<i>For &gt;100 To 250, Add</i>	0.28	
			<i>For &gt;250 To 500, Add</i>	0.12	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.09	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.14	
			<i>For &gt;20,000, Deduct</i>	-0.18	

09 91 23 00-0206	SF		2 Coats Paint, Sprayed, Paint Interior Smooth Wood Ceiling.....	1.35	
			<i>For Oil Based Paint, Add</i>	0.08	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.15	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.26	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.41	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.57	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.82	
			<i>For &gt;100 To 250, Add</i>	0.39	
			<i>For &gt;250 To 500, Add</i>	0.17	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.07	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.14	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.20	
			<i>For &gt;20,000, Deduct</i>	-0.27	

**09 91 23 00-0207 Paint Interior Wood Beams (09 91 23 00-0130)**

09 91 23 00-0208	SF		1 Coat Primer, Brush Work, Paint Interior Wood Beams.....	1.43	
			<i>For Oil Based Paint, Add</i>	0.08	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.19	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.31	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.50	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.68	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.96	
			<i>For &gt;100 To 250, Add</i>	0.45	
			<i>For &gt;250 To 500, Add</i>	0.20	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.07	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.14	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.21	
			<i>For &gt;20,000, Deduct</i>	-0.29	

09 91 23 00-0209	SF		1 Coat Paint, Brush Work, Paint Interior Wood Beams.....	1.47	
			<i>For Oil Based Paint, Add</i>	0.08	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.20	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.33	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.52	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.72	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	1.01	
			<i>For &gt;100 To 250, Add</i>	0.47	
			<i>For &gt;250 To 500, Add</i>	0.20	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.07	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.15	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.22	
			<i>For &gt;20,000, Deduct</i>	-0.29	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

09 91 23 00-0210	SF	2 Coats Paint, Brush Work, Paint Interior Wood Beams .....	2.68	
		For Oil Based Paint, Add	0.15	
		For Work >15' To 20' Above Floor, Add	0.35	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.59	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.94	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	1.30	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.82	
		For >100 To 250, Add	0.86	
		For >250 To 500, Add	0.37	
		For >2,500 To 5,000, Deduct	-0.13	
		For >5,000 To 10,000, Deduct	-0.27	
		For >10,000 To 20,000, Deduct	-0.40	
		For >20,000, Deduct	-0.54	
09 91 23 00-0211	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Beams .....	1.13	
		For Oil Based Paint, Add	0.07	
		For Work >15' To 20' Above Floor, Add	0.14	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.23	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.36	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.50	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.72	
		For >100 To 250, Add	0.34	
		For >250 To 500, Add	0.15	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.11	
		For >10,000 To 20,000, Deduct	-0.17	
		For >20,000, Deduct	-0.23	
09 91 23 00-0212	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Beams .....	1.12	
		For Oil Based Paint, Add	0.07	
		For Work >15' To 20' Above Floor, Add	0.14	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.23	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.37	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.51	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.73	
		For >100 To 250, Add	0.34	
		For >250 To 500, Add	0.15	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.11	
		For >10,000 To 20,000, Deduct	-0.17	
		For >20,000, Deduct	-0.22	
09 91 23 00-0213	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Wood Beams .....	2.09	
		For Oil Based Paint, Add	0.12	
		For Work >15' To 20' Above Floor, Add	0.26	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.43	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.68	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.94	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.34	
		For >100 To 250, Add	0.64	
		For >250 To 500, Add	0.28	
		For >2,500 To 5,000, Deduct	-0.10	
		For >5,000 To 10,000, Deduct	-0.21	
		For >10,000 To 20,000, Deduct	-0.31	
		For >20,000, Deduct	-0.42	
09 91 23 00-0214	SF	1 Coat Primer, Sprayed, Paint Interior Wood Beams .....	0.90	
		For Oil Based Paint, Add	0.05	
		For Work >15' To 20' Above Floor, Add	0.11	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.19	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.30	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.41	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.58	
		For >100 To 250, Add	0.28	
		For >250 To 500, Add	0.12	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.09	
		For >10,000 To 20,000, Deduct	-0.14	
		For >20,000, Deduct	-0.18	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 23 00-0215	SF	1 Coat Paint, Sprayed, Paint Interior Wood Beams .....		0.90	
		<i>For Oil Based Paint, Add</i>		0.05	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>		0.11	
		<i>Note: Applied only to work area above 15' to 20'.</i>			
		<i>For Work &gt;20' To 30' Above Floor, Add</i>		0.19	
		<i>Note: Applied only to work area above 20' to 30'.</i>			
		<i>For Work &gt;30' To 40' Above Floor, Add</i>		0.30	
		<i>Note: Applied only to work area above 30' to 40'.</i>			
		<i>For Work &gt;40' Above Floor, Add</i>		0.41	
		<i>Note: Applied only to work area above 40'.</i>			
		<i>For Up To 100, Add</i>		0.58	
		<i>For &gt;100 To 250, Add</i>		0.28	
		<i>For &gt;250 To 500, Add</i>		0.12	
		<i>For &gt;2,500 To 5,000, Deduct</i>		-0.05	
		<i>For &gt;5,000 To 10,000, Deduct</i>		-0.09	
		<i>For &gt;10,000 To 20,000, Deduct</i>		-0.14	
		<i>For &gt;20,000, Deduct</i>		-0.18	
09 91 23 00-0216	SF	2 Coats Paint, Sprayed, Paint Interior Wood Beams .....		1.47	
		<i>For Oil Based Paint, Add</i>		0.09	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>		0.17	
		<i>Note: Applied only to work area above 15' to 20'.</i>			
		<i>For Work &gt;20' To 30' Above Floor, Add</i>		0.29	
		<i>Note: Applied only to work area above 20' to 30'.</i>			
		<i>For Work &gt;30' To 40' Above Floor, Add</i>		0.46	
		<i>Note: Applied only to work area above 30' to 40'.</i>			
		<i>For Work &gt;40' Above Floor, Add</i>		0.63	
		<i>Note: Applied only to work area above 40'.</i>			
		<i>For Up To 100, Add</i>		0.91	
		<i>For &gt;100 To 250, Add</i>		0.43	
		<i>For &gt;250 To 500, Add</i>		0.19	
		<i>For &gt;2,500 To 5,000, Deduct</i>		-0.07	
		<i>For &gt;5,000 To 10,000, Deduct</i>		-0.15	
		<i>For &gt;10,000 To 20,000, Deduct</i>		-0.22	
		<i>For &gt;20,000, Deduct</i>		-0.29	

**09 91 23 00-0217 Paint Interior Floors And Decks** (09 91 23)
**09 91 23 00-0218 Paint Interior Concrete Floors And Decks** (09 91 23 00-0217)

09 91 23 00-0219	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Concrete Floors And Decks.....		0.15	
		<i>For Up To 100, Add</i>		0.10	
		<i>For &gt;100 To 250, Add</i>		0.05	
		<i>For &gt;250 To 500, Add</i>		0.02	
		<i>For &gt;2,500 To 5,000, Deduct</i>		-0.01	
		<i>For &gt;5,000 To 10,000, Deduct</i>		-0.02	
		<i>For &gt;10,000 To 20,000, Deduct</i>		-0.02	
		<i>For &gt;20,000, Deduct</i>		-0.03	
09 91 23 00-0220	SF	1 Coat Primer, Brush Work, Paint Interior Concrete Floors And Decks.....		0.80	
		<i>For Oil Based Paint, Add</i>		0.05	
		<i>For Epoxy Paint, Add</i>		0.08	
		<i>For Up To 100, Add</i>		0.52	
		<i>For &gt;100 To 250, Add</i>		0.25	
		<i>For &gt;250 To 500, Add</i>		0.11	
		<i>For &gt;2,500 To 5,000, Deduct</i>		-0.04	
		<i>For &gt;5,000 To 10,000, Deduct</i>		-0.08	
		<i>For &gt;10,000 To 20,000, Deduct</i>		-0.12	
		<i>For &gt;20,000, Deduct</i>		-0.16	
09 91 23 00-0221	SF	1 Coat Paint, Brush Work, Paint Interior Concrete Floors And Decks .....		0.90	
		<i>For Oil Based Paint, Add</i>		0.05	
		<i>For Epoxy Paint, Add</i>		0.08	
		<i>For Up To 100, Add</i>		0.61	
		<i>For &gt;100 To 250, Add</i>		0.29	
		<i>For &gt;250 To 500, Add</i>		0.12	
		<i>For &gt;2,500 To 5,000, Deduct</i>		-0.05	
		<i>For &gt;5,000 To 10,000, Deduct</i>		-0.09	
		<i>For &gt;10,000 To 20,000, Deduct</i>		-0.14	
		<i>For &gt;20,000, Deduct</i>		-0.18	
09 91 23 00-0222	SF	2 Coats Paint, Brush Work, Paint Interior Concrete Floors And Decks.....		1.77	
		<i>For Oil Based Paint, Add</i>		0.10	
		<i>For Epoxy Paint, Add</i>		0.15	
		<i>For Up To 100, Add</i>		1.20	
		<i>For &gt;100 To 250, Add</i>		0.56	
		<i>For &gt;250 To 500, Add</i>		0.24	
		<i>For &gt;2,500 To 5,000, Deduct</i>		-0.09	
		<i>For &gt;5,000 To 10,000, Deduct</i>		-0.18	
		<i>For &gt;10,000 To 20,000, Deduct</i>		-0.27	
		<i>For &gt;20,000, Deduct</i>		-0.35	
09 91 23 00-0223	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Concrete Floors And Decks.....		0.79	
		<i>For Oil Based Paint, Add</i>		0.05	
		<i>For Epoxy Paint, Add</i>		0.08	
		<i>For Up To 100, Add</i>		0.51	
		<i>For &gt;100 To 250, Add</i>		0.24	
		<i>For &gt;250 To 500, Add</i>		0.10	
		<i>For &gt;2,500 To 5,000, Deduct</i>		-0.04	
		<i>For &gt;5,000 To 10,000, Deduct</i>		-0.08	
		<i>For &gt;10,000 To 20,000, Deduct</i>		-0.12	
		<i>For &gt;20,000, Deduct</i>		-0.16	

## 09 Finishes

## 09 90 Painting and Coating

## 09 91 Painting

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

09 91 23 00-0224	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Floors And Decks .....	0.77	
		For Oil Based Paint, Add	0.04	
		For Epoxy Paint, Add	0.07	
		For Up To 100, Add	0.51	
		For >100 To 250, Add	0.24	
		For >250 To 500, Add	0.10	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.08	
		For >10,000 To 20,000, Deduct	-0.12	
		For >20,000, Deduct	-0.15	
09 91 23 00-0225	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Floors And Decks .....	1.25	
		For Oil Based Paint, Add	0.07	
		For Epoxy Paint, Add	0.13	
		For Up To 100, Add	0.81	
		For >100 To 250, Add	0.38	
		For >250 To 500, Add	0.17	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.13	
		For >10,000 To 20,000, Deduct	-0.19	
		For >20,000, Deduct	-0.25	
09 91 23 00-0226	SF	1 Coat Primer, Sprayed, Paint Interior Concrete Floors And Decks.....	0.56	
		For Oil Based Paint, Add	0.04	
		For Epoxy Paint, Add	0.08	
		For Up To 100, Add	0.32	
		For >100 To 250, Add	0.16	
		For >250 To 500, Add	0.07	
		For >2,500 To 5,000, Deduct	-0.03	
		For >5,000 To 10,000, Deduct	-0.06	
		For >10,000 To 20,000, Deduct	-0.08	
		For >20,000, Deduct	-0.11	
09 91 23 00-0227	SF	1 Coat Paint, Sprayed, Paint Interior Concrete Floors And Decks.....	0.58	
		For Oil Based Paint, Add	0.04	
		For Epoxy Paint, Add	0.07	
		For Up To 100, Add	0.35	
		For >100 To 250, Add	0.17	
		For >250 To 500, Add	0.07	
		For >2,500 To 5,000, Deduct	-0.03	
		For >5,000 To 10,000, Deduct	-0.06	
		For >10,000 To 20,000, Deduct	-0.09	
		For >20,000, Deduct	-0.12	
09 91 23 00-0228	SF	2 Coats Paint, Sprayed, Paint Interior Concrete Floors And Decks .....	1.01	
		For Oil Based Paint, Add	0.06	
		For Epoxy Paint, Add	0.13	
		For Up To 100, Add	0.60	
		For >100 To 250, Add	0.29	
		For >250 To 500, Add	0.12	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.10	
		For >10,000 To 20,000, Deduct	-0.15	
		For >20,000, Deduct	-0.20	
09 91 23 00-0229	SF	1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Floors And Decks .....	0.82	
		For Up To 100, Add	0.52	
		For >100 To 250, Add	0.25	
		For >250 To 500, Add	0.11	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.08	
		For >10,000 To 20,000, Deduct	-0.12	
		For >20,000, Deduct	-0.16	
09 91 23 00-0230	SF	1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Concrete Floors And Decks.....	0.81	
		For Up To 100, Add	0.51	
		For >100 To 250, Add	0.24	
		For >250 To 500, Add	0.11	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.08	
		For >10,000 To 20,000, Deduct	-0.12	
		For >20,000, Deduct	-0.16	
09 91 23 00-0231	SF	1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Floors And Decks.....	0.59	
		For Up To 100, Add	0.33	
		For >100 To 250, Add	0.16	
		For >250 To 500, Add	0.07	
		For >2,500 To 5,000, Deduct	-0.03	
		For >5,000 To 10,000, Deduct	-0.06	
		For >10,000 To 20,000, Deduct	-0.09	
		For >20,000, Deduct	-0.12	
09 91 23 00-0232	SF	1 Coat Non Slip Paint, Brush Work, Paint Interior Concrete Floors And Decks .....	2.09	
		For Up To 100, Add	0.79	
		For >100 To 250, Add	0.41	
		For >250 To 500, Add	0.18	
		For >2,500 To 5,000, Deduct	-0.10	
		For >5,000 To 10,000, Deduct	-0.21	
		For >10,000 To 20,000, Deduct	-0.31	
		For >20,000, Deduct	-0.42	
09 91 23 00-0233	SF	1 Coat Non Slip Epoxy Coating, Brush Work, Paint Interior Concrete Floors And Decks (Rust-Oleum® AS91864251).....	5.61	
		For Up To 100, Add	1.32	
		For >100 To 250, Add	0.76	
		For >250 To 500, Add	0.36	
		For >2,500 To 5,000, Deduct	-0.28	
		For >5,000 To 10,000, Deduct	-0.56	
		For >10,000 To 20,000, Deduct	-0.84	
		For >20,000, Deduct	-1.12	



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>09 91 23 00-0234</b>	<b>Paint Interior Wood Floors And Decks</b> <small>(09 91 23 00-0217)</small>		
09 91 23 00-0235	LF 1 Coat Paint, Cut-in Brush Work, Paint Interior Wood Floors And Decks.....	0.18	
	For Up To 100, Add	0.12	
	For >100 To 250, Add	0.06	
	For >250 To 500, Add	0.02	
	For >2,500 To 5,000, Deduct	-0.01	
	For >5,000 To 10,000, Deduct	-0.02	
	For >10,000 To 20,000, Deduct	-0.03	
	For >20,000, Deduct	-0.04	
09 91 23 00-0236	SF 1 Coat Primer, Brush Work, Paint Interior Wood Floors And Decks.....	0.99	
	For Oil Based Paint, Add	0.06	
	For Up To 100, Add	0.63	
	For >100 To 250, Add	0.30	
	For >250 To 500, Add	0.13	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.10	
	For >10,000 To 20,000, Deduct	-0.15	
	For >20,000, Deduct	-0.20	
09 91 23 00-0237	SF 1 Coat Paint, Brush Work, Paint Interior Wood Floors And Decks.....	1.09	
	For Oil Based Paint, Add	0.06	
	For Up To 100, Add	0.72	
	For >100 To 250, Add	0.34	
	For >250 To 500, Add	0.15	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.11	
	For >10,000 To 20,000, Deduct	-0.16	
	For >20,000, Deduct	-0.22	
09 91 23 00-0238	SF 2 Coats Paint, Brush Work, Paint Interior Wood Floors And Decks.....	2.03	
	For Oil Based Paint, Add	0.12	
	For Up To 100, Add	1.33	
	For >100 To 250, Add	0.63	
	For >250 To 500, Add	0.27	
	For >2,500 To 5,000, Deduct	-0.10	
	For >5,000 To 10,000, Deduct	-0.20	
	For >10,000 To 20,000, Deduct	-0.30	
	For >20,000, Deduct	-0.41	
09 91 23 00-0239	SF 1 Coat Primer, Brush/Roller Work, Paint Interior Wood Floors And Decks.....	0.78	
	For Oil Based Paint, Add	0.05	
	For Up To 100, Add	0.45	
	For >100 To 250, Add	0.22	
	For >250 To 500, Add	0.10	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.08	
	For >10,000 To 20,000, Deduct	-0.12	
	For >20,000, Deduct	-0.16	
09 91 23 00-0240	SF 1 Coat Paint, Brush/Roller Work, Paint Interior Wood Floors And Decks.....	0.85	
	For Oil Based Paint, Add	0.05	
	For Up To 100, Add	0.52	
	For >100 To 250, Add	0.25	
	For >250 To 500, Add	0.11	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.13	
	For >20,000, Deduct	-0.17	
09 91 23 00-0241	SF 2 Coats Paint, Brush/Roller Work, Paint Interior Wood Floors And Decks.....	1.69	
	For Oil Based Paint, Add	0.10	
	For Up To 100, Add	1.04	
	For >100 To 250, Add	0.50	
	For >250 To 500, Add	0.22	
	For >2,500 To 5,000, Deduct	-0.08	
	For >5,000 To 10,000, Deduct	-0.17	
	For >10,000 To 20,000, Deduct	-0.25	
	For >20,000, Deduct	-0.34	
09 91 23 00-0242	SF 1 Coat Primer, Sprayed, Paint Interior Wood Floors And Decks.....	0.60	
	For Oil Based Paint, Add	0.04	
	For Up To 100, Add	0.35	
	For >100 To 250, Add	0.17	
	For >250 To 500, Add	0.07	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.06	
	For >10,000 To 20,000, Deduct	-0.09	
	For >20,000, Deduct	-0.12	
09 91 23 00-0243	SF 1 Coat Paint, Sprayed, Paint Interior Wood Floors And Decks.....	0.75	
	For Oil Based Paint, Add	0.05	
	For Up To 100, Add	0.47	
	For >100 To 250, Add	0.22	
	For >250 To 500, Add	0.10	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.08	
	For >10,000 To 20,000, Deduct	-0.11	
	For >20,000, Deduct	-0.15	

**09 Finishes****09 90 Painting and Coating****09 91 Painting**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

09 91 23 00-0244	SF	2 Coats Paint, Sprayed, Paint Interior Wood Floors And Decks .....	1.07	
		For Oil Based Paint, Add	0.07	
		For Up To 100, Add	0.61	
		For >100 To 250, Add	0.29	
		For >250 To 500, Add	0.13	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.11	
		For >10,000 To 20,000, Deduct	-0.16	
		For >20,000, Deduct	-0.21	
09 91 23 00-0245	SF	1 Coat Non Slip Paint, Brush Work, Paint Interior Wood Floors And Decks .....	2.09	
		For Up To 100, Add	0.79	
		For >100 To 250, Add	0.41	
		For >250 To 500, Add	0.18	
		For >2,500 To 5,000, Deduct	-0.10	
		For >5,000 To 10,000, Deduct	-0.21	
		For >10,000 To 20,000, Deduct	-0.31	
		For >20,000, Deduct	-0.42	
09 91 23 00-0246	SF	1 Coat Non Slip Epoxy Coating, Brush Work, Paint Interior Wood Floors And Decks .....	5.61	
		For Up To 100, Add	1.32	
		For >100 To 250, Add	0.76	
		For >250 To 500, Add	0.36	
		For >2,500 To 5,000, Deduct	-0.28	
		For >5,000 To 10,000, Deduct	-0.56	
		For >10,000 To 20,000, Deduct	-0.84	
		For >20,000, Deduct	-1.12	
<b>09 91 23 00-0247</b>		<b>Paint Interior Doors And Windows (09 91 23)</b>		
<b>09 91 23 00-0248</b>		<b>Paint Interior Door Frames (09 91 23 00-0247)</b>		
09 91 23 00-0249	LF	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Door Frame And Trim.....	1.24	
		For Oil Based Paint, Add	0.07	
		For Painting One Face Of Frame Only, Deduct	-0.32	
09 91 23 00-0250	LF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Door Frame And Trim .....	1.61	
		For Oil Based Paint, Add	0.09	
		For Painting One Face Of Frame Only, Deduct	-0.42	
09 91 23 00-0251	LF	2 Coats Paint, Brush/Roller Work, Paint Interior Wood Door Frame And Trime .....	2.73	
		For Oil Based Paint, Add	0.14	
		For Painting One Face Of Frame Only, Deduct	-0.71	
09 91 23 00-0252	LF	1 Coat Primer, Brush/Roller Work, Paint Interior Metal Door Frame And Trim .....	1.28	
		For Oil Based Paint, Add	0.07	
		For Painting One Face Of Frame Only, Deduct	-0.34	
09 91 23 00-0253	LF	1 Coat Paint, Brush/Roller Work, Paint Interior Metal Door Frame And Trim.....	1.65	
		For Oil Based Paint, Add	0.09	
		For Painting One Face Of Frame Only, Deduct	-0.43	
09 91 23 00-0254	LF	2 Coats Paint, Brush/Roller Work, Paint Interior Metal Door Frame And Trim.....	2.79	
		For Oil Based Paint, Add	0.15	
		For Painting One Face Of Frame Only, Deduct	-0.73	
<b>09 91 23 00-0255</b>		<b>Paint Interior Metal Doors (09 91 23 00-0247)</b>		
09 91 23 00-0256	EA	1 Coat Primer, Brush/Roller Work, One Face, Paint Interior Metal Door .....	58.01	
		For Electrostatic Painting, Add	8.74	
		For Half Louvered Door, Add	5.76	
		For Full Louvered Door, Add	9.60	
		For Oil Based Paint, Add	3.88	
		For >5 To 10, Deduct	-2.90	
		For >10 To 25, Deduct	-5.80	
		For >25, Deduct	-8.70	
09 91 23 00-0257	EA	1 Coat Paint, Brush/Roller Work, One Face, Paint Interior Metal Door.....	58.01	
		For Electrostatic Painting, Add	8.74	
		For Half Louvered Door, Add	5.76	
		For Full Louvered Door, Add	9.60	
		For Oil Based Paint, Add	3.88	
		For >5 To 10, Deduct	-2.90	
		For >10 To 25, Deduct	-5.80	
		For >25, Deduct	-8.70	
09 91 23 00-0258	EA	2 Coats Paint, Brush/Roller Work, One Face, Paint Interior Metal Door .....	103.84	
		For Electrostatic Painting, Add	16.23	
		For Half Louvered Door, Add	9.73	
		For Full Louvered Door, Add	16.21	
		For Oil Based Paint, Add	7.14	
		For >5 To 10, Deduct	-5.19	
		For >10 To 25, Deduct	-10.38	
		For >25, Deduct	-15.58	
09 91 23 00-0259	EA	1 Coat Primer, Brush/Roller Work, Both Faces, Paint Interior Metal Door.....	104.09	
		For Electrostatic Painting, Add	15.70	
		For Half Louvered Door, Add	10.32	
		For Full Louvered Door, Add	17.21	
		For Oil Based Paint, Add	6.97	
		For >5 To 10, Deduct	-5.20	
		For >10 To 25, Deduct	-10.41	
		For >25, Deduct	-15.61	
09 91 23 00-0260	EA	1 Coat Paint, Brush/Roller Work, Both Faces, Paint Interior Metal Door .....	104.10	
		For Electrostatic Painting, Add	15.70	
		For Half Louvered Door, Add	10.32	
		For Full Louvered Door, Add	17.21	
		For Oil Based Paint, Add	6.97	
		For >5 To 10, Deduct	-5.21	
		For >10 To 25, Deduct	-10.41	
		For >25, Deduct	-15.62	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 23 00-0261	EA		2 Coats Paint, Brush/Roller Work, Both Faces, Paint Interior Metal Door .....	186.98	
			For Electrostatic Painting, Add	29.28	
			For Half Louvered Door, Add	17.47	
			For Full Louvered Door, Add	29.11	
			For Oil Based Paint, Add	12.88	
			For >5 To 10, Deduct	-9.35	
			For >10 To 25, Deduct	-18.70	
			For >25, Deduct	-28.05	
09 91 23 00-0262	EA		1 Coat Primer, Sprayed, One Face, Paint Interior Metal Door .....	47.13	
			For Electrostatic Painting, Add	7.95	
			For Half Louvered Door, Add	3.83	
			For Full Louvered Door, Add	6.39	
			For Oil Based Paint, Add	3.44	
			For >5 To 10, Deduct	-2.36	
			For >10 To 25, Deduct	-4.71	
			For >25, Deduct	-7.07	
09 91 23 00-0263	EA		1 Coat Paint, Sprayed, One Face, Paint Interior Metal Door .....	47.13	
			For Electrostatic Painting, Add	7.95	
			For Half Louvered Door, Add	3.83	
			For Full Louvered Door, Add	6.39	
			For Oil Based Paint, Add	3.44	
			For >5 To 10, Deduct	-2.36	
			For >10 To 25, Deduct	-4.71	
			For >25, Deduct	-7.07	
09 91 23 00-0264	EA		2 Coats Paint, Sprayed, One Face, Paint Interior Metal Door .....	86.03	
			For Electrostatic Painting, Add	15.04	
			For Half Louvered Door, Add	6.47	
			For Full Louvered Door, Add	10.78	
			For Oil Based Paint, Add	6.45	
			For >5 To 10, Deduct	-4.30	
			For >10 To 25, Deduct	-8.60	
			For >25, Deduct	-12.90	
09 91 23 00-0265	EA		1 Coat Primer, Sprayed, Both Faces, Paint Interior Metal Door .....	84.59	
			For Electrostatic Painting, Add	14.28	
			For Half Louvered Door, Add	6.87	
			For Full Louvered Door, Add	11.45	
			For Oil Based Paint, Add	6.17	
			For >5 To 10, Deduct	-4.23	
			For >10 To 25, Deduct	-8.46	
			For >25, Deduct	-12.69	
09 91 23 00-0266	EA		1 Coat Paint, Sprayed, Both Faces, Paint Interior Metal Door .....	84.59	
			For Electrostatic Painting, Add	14.28	
			For Half Louvered Door, Add	6.87	
			For Full Louvered Door, Add	11.45	
			For Oil Based Paint, Add	6.17	
			For >5 To 10, Deduct	-4.23	
			For >10 To 25, Deduct	-8.46	
			For >25, Deduct	-12.69	
09 91 23 00-0267	EA		2 Coats Paint, Sprayed, Both Faces, Paint Interior Metal Door .....	155.07	
			For Electrostatic Painting, Add	27.15	
			For Half Louvered Door, Add	11.62	
			For Full Louvered Door, Add	19.37	
			For Oil Based Paint, Add	11.63	
			For >5 To 10, Deduct	-7.75	
			For >10 To 25, Deduct	-15.51	
			For >25, Deduct	-23.26	

**09 91 23 00-0268 Paint Interior Wood Doors** (09 91 23 00-0247)

09 91 23 00-0269	EA		1 Coat Primer, Brush/Roller Work, One Face, Paint Interior Wood Door .....	51.15	
			For Oil Based Paint, Add	3.20	
			For Half Louvered Door, Add	5.76	
			For Full Louvered Door, Add	9.60	
			For >5 To 10, Deduct	-2.56	
			For >10 To 25, Deduct	-5.12	
			For >25, Deduct	-7.67	
09 91 23 00-0270	EA		1 Coat Paint, Brush/Roller Work, One Face, Paint Interior Wood Door .....	51.15	
			For Oil Based Paint, Add	3.20	
			For Half Louvered Door, Add	5.76	
			For Full Louvered Door, Add	9.60	
			For >5 To 10, Deduct	-2.56	
			For >10 To 25, Deduct	-5.12	
			For >25, Deduct	-7.67	
09 91 23 00-0271	EA		2 Coats Paint, Brush/Roller Work, One Face, Paint Interior Wood Door .....	90.19	
			For Oil Based Paint, Add	5.78	
			For Half Louvered Door, Add	9.73	
			For Full Louvered Door, Add	16.21	
			For >5 To 10, Deduct	-4.51	
			For >10 To 25, Deduct	-9.02	
			For >25, Deduct	-13.53	
09 91 23 00-0272	EA		1 Coat Primer, Brush/Roller Work, Both Faces, Paint Interior Wood Door .....	91.75	
			For Oil Based Paint, Add	5.73	
			For Half Louvered Door, Add	10.32	
			For Full Louvered Door, Add	17.21	
			For >5 To 10, Deduct	-4.59	
			For >10 To 25, Deduct	-9.18	
			For >25, Deduct	-13.76	

**09 Finishes****09 90 Painting and Coating****09 91 Painting**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

09 91 23 00-0273	EA	1 Coat Paint, Brush/Roller Work, Both Faces, Paint Interior Wood Door.....	91.75
		<i>For Oil Based Paint, Add</i>	5.73
		<i>For Half Louvered Door, Add</i>	10.32
		<i>For Full Louvered Door, Add</i>	17.21
		<i>For &gt;5 To 10, Deduct</i>	-4.59
		<i>For &gt;10 To 25, Deduct</i>	-9.18
		<i>For &gt;25, Deduct</i>	-13.76
09 91 23 00-0274	EA	2 Coats Paint, Brush/Roller Work, Both Faces, Paint Interior Wood Door.....	162.30
		<i>For Oil Based Paint, Add</i>	10.41
		<i>For Half Louvered Door, Add</i>	17.47
		<i>For Full Louvered Door, Add</i>	29.11
		<i>For &gt;5 To 10, Deduct</i>	-8.12
		<i>For &gt;10 To 25, Deduct</i>	-16.23
		<i>For &gt;25, Deduct</i>	-24.35
09 91 23 00-0275	EA	1 Coat Primer, Sprayed, One Face, Paint Interior Wood Door .....	39.57
		<i>For Oil Based Paint, Add</i>	2.68
		<i>For Half Louvered Door, Add</i>	3.83
		<i>For Full Louvered Door, Add</i>	6.39
		<i>For &gt;5 To 10, Deduct</i>	-1.98
		<i>For &gt;10 To 25, Deduct</i>	-3.96
		<i>For &gt;25, Deduct</i>	-5.94
09 91 23 00-0276	EA	1 Coat Paint, Sprayed, One Face, Paint Interior Wood Door.....	39.57
		<i>For Oil Based Paint, Add</i>	2.68
		<i>For Half Louvered Door, Add</i>	3.83
		<i>For Full Louvered Door, Add</i>	6.39
		<i>For &gt;5 To 10, Deduct</i>	-1.98
		<i>For &gt;10 To 25, Deduct</i>	-3.96
		<i>For &gt;25, Deduct</i>	-5.94
09 91 23 00-0277	EA	2 Coats Paint, Sprayed, One Face, Paint Interior Wood Door.....	71.04
		<i>For Oil Based Paint, Add</i>	4.95
		<i>For Half Louvered Door, Add</i>	6.47
		<i>For Full Louvered Door, Add</i>	10.79
		<i>For &gt;5 To 10, Deduct</i>	-3.55
		<i>For &gt;10 To 25, Deduct</i>	-7.10
		<i>For &gt;25, Deduct</i>	-10.66
09 91 23 00-0278	EA	1 Coat Primer, Sprayed, Both Faces, Paint Interior Wood Door.....	71.02
		<i>For Oil Based Paint, Add</i>	4.81
		<i>For Half Louvered Door, Add</i>	6.87
		<i>For Full Louvered Door, Add</i>	11.45
		<i>For &gt;5 To 10, Deduct</i>	-3.55
		<i>For &gt;10 To 25, Deduct</i>	-7.10
		<i>For &gt;25, Deduct</i>	-10.65
09 91 23 00-0279	EA	1 Coat Paint, Sprayed, Both Faces, Paint Interior Wood Door .....	71.02
		<i>For Oil Based Paint, Add</i>	4.81
		<i>For Half Louvered Door, Add</i>	6.87
		<i>For Full Louvered Door, Add</i>	11.45
		<i>For &gt;5 To 10, Deduct</i>	-3.55
		<i>For &gt;10 To 25, Deduct</i>	-7.10
		<i>For &gt;25, Deduct</i>	-10.65
09 91 23 00-0280	EA	2 Coats Paint, Sprayed, Both Faces, Paint Interior Wood Door.....	127.91
		<i>For Oil Based Paint, Add</i>	8.92
		<i>For Half Louvered Door, Add</i>	11.62
		<i>For Full Louvered Door, Add</i>	19.37
		<i>For &gt;5 To 10, Deduct</i>	-6.40
		<i>For &gt;10 To 25, Deduct</i>	-12.79
		<i>For &gt;25, Deduct</i>	-19.19

**09 91 23 00-0281 Paint Interior Metal Windows** (09 91 23 00-0247)

Note: Two finish coats paint over rust inhibitive primer.

09 91 23 00-0282	EA	Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work .....	99.08
		<i>For Oil Based Paint, Add</i>	5.61
		<i>For Electrostatic Painting, Add</i>	11.86
		<i>For &gt;5 To 10, Deduct</i>	-4.95
		<i>For &gt;10 To 25, Deduct</i>	-9.91
		<i>For &gt;25, Deduct</i>	-14.86
09 91 23 00-0283	EA	>8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work .....	119.41
		<i>For Oil Based Paint, Add</i>	6.98
		<i>For Electrostatic Painting, Add</i>	14.96
		<i>For &gt;5 To 10, Deduct</i>	-5.97
		<i>For &gt;10 To 25, Deduct</i>	-11.94
		<i>For &gt;25, Deduct</i>	-17.91
09 91 23 00-0284	EA	>14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work .....	160.98
		<i>For Oil Based Paint, Add</i>	9.48
		<i>For Electrostatic Painting, Add</i>	20.39
		<i>For &gt;5 To 10, Deduct</i>	-8.05
		<i>For &gt;10 To 25, Deduct</i>	-16.10
		<i>For &gt;25, Deduct</i>	-24.15
09 91 23 00-0285	EA	>20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work .....	181.27
		<i>For Oil Based Paint, Add</i>	10.68
		<i>For Electrostatic Painting, Add</i>	22.98
		<i>For &gt;5 To 10, Deduct</i>	-9.06
		<i>For &gt;10 To 25, Deduct</i>	-18.13
		<i>For &gt;25, Deduct</i>	-27.19

09 91 23 00-0286	EA	>26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	201.03
		<i>For Oil Based Paint, Add</i>	11.83
		<i>For Electrostatic Painting, Add</i>	25.44
		<i>For &gt;5 To 10, Deduct</i>	-10.05
		<i>For &gt;10 To 25, Deduct</i>	-20.10
		<i>For &gt;25, Deduct</i>	-30.15
09 91 23 00-0287	SF	>34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	6.38
		<i>For Oil Based Paint, Add</i>	0.38
		<i>For Electrostatic Painting, Add</i>	0.81
<b>09 91 23 00-0288 Paint Interior Wood Windows (09 91 23 00-0247)</b>			
Note: Two finish coats paint over primer.			
09 91 23 00-0289	EA	Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	94.52
		<i>For Oil Based Paint, Add</i>	5.15
		<i>For &gt;5 To 10, Deduct</i>	-4.73
		<i>For &gt;10 To 25, Deduct</i>	-9.45
		<i>For &gt;25, Deduct</i>	-14.18
09 91 23 00-0290	EA	>8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	112.36
		<i>For Oil Based Paint, Add</i>	6.27
		<i>For &gt;5 To 10, Deduct</i>	-5.62
		<i>For &gt;10 To 25, Deduct</i>	-11.24
		<i>For &gt;25, Deduct</i>	-16.85
09 91 23 00-0291	EA	>14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	156.19
		<i>For Oil Based Paint, Add</i>	8.74
		<i>For &gt;5 To 10, Deduct</i>	-7.81
		<i>For &gt;10 To 25, Deduct</i>	-15.62
		<i>For &gt;25, Deduct</i>	-23.43
09 91 23 00-0292	EA	>20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	175.84
		<i>For Oil Based Paint, Add</i>	9.84
		<i>For &gt;5 To 10, Deduct</i>	-8.79
		<i>For &gt;10 To 25, Deduct</i>	-17.58
		<i>For &gt;25, Deduct</i>	-26.38
09 91 23 00-0293	EA	>26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	188.58
		<i>For Oil Based Paint, Add</i>	10.59
		<i>For &gt;5 To 10, Deduct</i>	-9.43
		<i>For &gt;10 To 25, Deduct</i>	-18.86
		<i>For &gt;25, Deduct</i>	-28.29
09 91 23 00-0294	SF	>34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	6.32
		<i>For Oil Based Paint, Add</i>	0.35
<b>09 91 23 00-0295 Paint Interior Security Screens (09 91 23 00-0247)</b>			
09 91 23 00-0296	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Security Screen	1.53
		<i>For Oil Based Paint, Add</i>	0.09
		<i>For Electrostatic Painting, Add</i>	0.20
09 91 23 00-0297	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Security Screen	1.57
		<i>For Oil Based Paint, Add</i>	0.09
		<i>For Electrostatic Painting, Add</i>	0.19
09 91 23 00-0298	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Security Screen	2.60
		<i>For Oil Based Paint, Add</i>	0.15
		<i>For Electrostatic Painting, Add</i>	0.32
<b>09 91 23 00-0299 Paint Interior Window Guards (09 91 23 00-0247)</b>			
09 91 23 00-0300	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Metal Window Guards	1.53
		<i>For Oil Based Paint, Add</i>	0.09
09 91 23 00-0301	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Metal Window Guards	1.57
		<i>For Oil Based Paint, Add</i>	0.09
09 91 23 00-0302	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Metal Window Guards	2.60
		<i>For Oil Based Paint, Add</i>	0.15
<b>09 91 23 00-0303 Paint Interior Window Trim (09 91 23 00-0247)</b>			
09 91 23 00-0304	LF	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Window Frame And Trim	1.44
		<i>For Oil Based Paint, Add</i>	0.08
		<i>For Painting One Face Of Frame Only, Deduct</i>	-0.40
09 91 23 00-0305	LF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Window Frame And Trim	1.44
		<i>For Oil Based Paint, Add</i>	0.08
		<i>For Painting One Face Of Frame Only, Deduct</i>	-0.40
09 91 23 00-0306	LF	2 Coats Paint, Brush/Roller Work, Paint Interior Wood Window Frame And Trim	3.17
		<i>For Oil Based Paint, Add</i>	0.18
		<i>For Painting One Face Of Frame Only, Deduct</i>	-0.87
09 91 23 00-0307	LF	1 Coat Primer, Brush/Roller Work, Paint Interior Metal Window Frame And Trim	1.63
		Note: Brush/roller work.	
		<i>For Painting One Face Of Frame Only, Deduct</i>	-0.47
09 91 23 00-0308	LF	1 Coat Paint, Brush/Roller Work, Paint Interior Metal Window Frame And Trim	1.63
		Note: Brush/roller work.	
		<i>For Painting One Face Of Frame Only, Deduct</i>	-0.47

**09 Finishes****09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0309	LF		2 Coats Paint, Brush/Roller Work, Paint Interior Metal Window Frame And Trim..... Note: Brush/roller work. For Painting One Face Of Frame Only, Deduct	3.55	-1.02
09 91 23 00-0310			<b>Paint Interior Cabinets And Casework</b> (09 91 23)		
09 91 23 00-0311			<b>Paint Interior Wood Cabinets And Casework</b> (09 91 23 00-0310)		
09 91 23 00-0312	SF		1 Coat Paint, Brush/Roller Work, Paint Interior Wood Cabinets And Casework ..... For >5,000 To 10,000, Deduct For >10,000 To 20,000, Deduct For >20,000, Deduct	1.39	-0.07 -0.14 -0.21
09 91 23 00-0313	SF		1 Coat Enamel Primer And 1 Coat Alkyd Or Latex Paint, Brush/Roller Work, Paint Interior Wood Cabinets And Casework..... For >5,000 To 10,000, Deduct For >10,000 To 20,000, Deduct For >20,000, Deduct	1.89	-0.09 -0.19 -0.28
09 91 23 00-0314	SF		1 Coat Enamel Primer And 2 Coats Alkyd Or Latex Paint, Brush/Roller Work, Paint Interior Wood Cabinets And Casework..... For >5,000 To 10,000, Deduct For >10,000 To 20,000, Deduct For >20,000, Deduct	2.99	-0.15 -0.30 -0.45
09 91 23 00-0315			<b>Paint Exposed Metal Lockers</b> (09 91 23 00-0310)		
09 91 23 00-0316	SF		1 Coat Primer, Brush/Roller Work, Paint Exposed Metal Locker ..... For >5,000 To 10,000, Deduct For >10,000 To 20,000, Deduct For >20,000, Deduct	1.42	-0.07 -0.14 -0.21
09 91 23 00-0317	SF		1 Coat Alkyd Enamel, Brush/Roller Work, Paint Exposed Metal Locker ..... For >5,000 To 10,000, Deduct For >10,000 To 20,000, Deduct For >20,000, Deduct	1.44	-0.07 -0.14 -0.22
09 91 23 00-0318	SF		2 Coats Alkyd Enamel, Brush/Roller Work, Paint Exposed Metal Locker ..... For >5,000 To 10,000, Deduct For >10,000 To 20,000, Deduct For >20,000, Deduct	2.66	-0.13 -0.27 -0.40
09 91 23 00-0319			<b>Paint Interior Stairs</b> (09 91 23)		
09 91 23 00-0320			<b>Paint Interior Concrete Stairs</b> (09 91 23 00-0319) Note: Includes the riser and tread.		
09 91 23 00-0321	RSR		1 Coat Primer, Brush/Roller Work, Paint Interior Concrete Stair (To 4' Wide) .....	19.46	
09 91 23 00-0322	RSR		1 Coat Alkyd Enamel, Brush/Roller Work, Paint Interior Concrete Stair (To 4' Wide) .....	19.46	
09 91 23 00-0323	RSR		1 Coat Non Slip Paint, Brush/Roller Work, Paint Interior Concrete Stair (To 4' Wide) .....	14.89	
09 91 23 00-0324	RSR		1 Coat Non Slip Epoxy Coating, Brush/Roller Work, Paint Interior Concrete Stair (To 4' Wide) .....	28.97	
09 91 23 00-0325	RSR		2 Coats Alkyd Enamel, Brush/Roller Work, Paint Interior Concrete Stair (To 4' Wide) .....	38.92	
09 91 23 00-0326			<b>Paint Interior Metal Stairs</b> (09 91 23 00-0319) Note: Includes the riser and tread.		
09 91 23 00-0327	RSR		1 Coat Primer, Brush/Roller Work, Paint Interior Metal Stair (To 4' Wide) .....	10.62	
09 91 23 00-0328	RSR		1 Coat Alkyd Enamel, Brush/Roller Work, Paint Interior Metal Stair (To 4' Wide) .....	10.21	
09 91 23 00-0329	RSR		2 Coats Alkyd Enamel, Brush/Roller Work, Paint Interior Metal Stair (To 4' Wide) .....	20.42	
09 91 23 00-0330			<b>Paint Interior Wood Stairs</b> (09 91 23 00-0319) Note: Includes the riser and tread.		
09 91 23 00-0331	RSR		1 Coat Primer, Brush/Roller Work, Paint Interior Wood Stair (To 4' Wide) .....	9.96	
09 91 23 00-0332	RSR		1 Coat Alkyd Enamel, Brush/Roller Work, Paint Interior Wood Stair (To 4' Wide) .....	9.96	
09 91 23 00-0333	RSR		1 Coat Non Slip Paint, Brush/Roller Work, Paint Interior Wood Stair (To 4' Wide) .....	10.13	
09 91 23 00-0334	RSR		1 Coat Non Slip Epoxy Coating, Brush/Roller Work, Paint Interior Wood Stair (To 4' Wide) .....	24.21	
09 91 23 00-0335	RSR		2 Coats Alkyd Enamel, Brush/Roller Work, Paint Interior Wood Stair (To 4' Wide) .....	19.92	
09 91 23 00-0336			<b>Paint Interior Stair Nosing</b> (09 91 23 00-0319)		
09 91 23 00-0337	LF		1 Coat Paint, Up To 2", Non Slip, Brush Work, Paint Interior Yellow Stair Safety Strip .....	1.71	
09 91 23 00-0338			<b>Paint Interior Trim</b> (09 91 23)		
09 91 23 00-0339			<b>Paint Interior Metal Trim</b> (09 91 23 00-0338)		
09 91 23 00-0340	SF		1 Coat Primer, Brush Work, Paint Interior Exposed Metal Trim ..... For Work >15' To 20' Above Floor, Add Note: Applied only to work area above 15' to 20'. For Work >20' To 30' Above Floor, Add Note: Applied only to work area above 20' to 30'. For Work >30' To 40' Above Floor, Add Note: Applied only to work area above 30' to 40'. For Work >40' Above Floor, Add Note: Applied only to work area above 40'.	1.30	0.17 0.28 0.44 0.61

MINOR			TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION			UNIT COST	UNIT COST

09 91 23 00-0341	SF	1	Coat Paint, Brush Work, Paint Interior Exposed Metal Trim	1.43
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.19
			<i>Note: Applied only to work area above 15' to 20'.</i>	
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.31
			<i>Note: Applied only to work area above 20' to 30'.</i>	
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.50
			<i>Note: Applied only to work area above 30' to 40'.</i>	
			<i>For Work &gt;40' Above Floor, Add</i>	0.68
			<i>Note: Applied only to work area above 40'.</i>	
09 91 23 00-0342	SF	2	Coats Paint, Brush Work, Paint Interior Exposed Metal Trim	2.56
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.33
			<i>Note: Applied only to work area above 15' to 20'.</i>	
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.55
			<i>Note: Applied only to work area above 20' to 30'.</i>	
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.88
			<i>Note: Applied only to work area above 30' to 40'.</i>	
			<i>For Work &gt;40' Above Floor, Add</i>	1.20
			<i>Note: Applied only to work area above 40'.</i>	
09 91 23 00-0343	SF	1	Coat Primer, Brush/Roller Work, Paint Interior Exposed Metal Trim	1.09
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.14
			<i>Note: Applied only to work area above 15' to 20'.</i>	
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.23
			<i>Note: Applied only to work area above 20' to 30'.</i>	
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.36
			<i>Note: Applied only to work area above 30' to 40'.</i>	
			<i>For Work &gt;40' Above Floor, Add</i>	0.50
			<i>Note: Applied only to work area above 40'.</i>	
09 91 23 00-0344	SF	1	Coat Paint, Brush/Roller Work, Paint Interior Exposed Metal Trim	1.18
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.15
			<i>Note: Applied only to work area above 15' to 20'.</i>	
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.25
			<i>Note: Applied only to work area above 20' to 30'.</i>	
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.40
			<i>Note: Applied only to work area above 30' to 40'.</i>	
			<i>For Work &gt;40' Above Floor, Add</i>	0.54
			<i>Note: Applied only to work area above 40'.</i>	
09 91 23 00-0345	SF	2	Coats Paint, Brush/Roller Work, Paint Interior Exposed Metal Trim	2.12
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.26
			<i>Note: Applied only to work area above 15' to 20'.</i>	
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.44
			<i>Note: Applied only to work area above 20' to 30'.</i>	
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.70
			<i>Note: Applied only to work area above 30' to 40'.</i>	
			<i>For Work &gt;40' Above Floor, Add</i>	0.96
			<i>Note: Applied only to work area above 40'.</i>	

**09 91 23 00-0346 Paint Interior Wood Trim** (09 91 23 00-0338)

09 91 23 00-0347	LF	1	Coat Primer, Brush Work, Paint Interior Wood Trim To 6" Wide	0.85
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.12
			<i>Note: Applied only to work area above 15' to 20'.</i>	
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.20
			<i>Note: Applied only to work area above 20' to 30'.</i>	
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.32
			<i>Note: Applied only to work area above 30' to 40'.</i>	
			<i>For Work &gt;40' Above Floor, Add</i>	0.43
			<i>Note: Applied only to work area above 40'.</i>	
			<i>For Oil Based Paint, Add</i>	0.05
09 91 23 00-0348	LF	1	Coat Paint, Brush Work, Paint Interior Wood Trim To 6" Wide	0.94
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.13
			<i>Note: Applied only to work area above 15' to 20'.</i>	
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.22
			<i>Note: Applied only to work area above 20' to 30'.</i>	
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.35
			<i>Note: Applied only to work area above 30' to 40'.</i>	
			<i>For Work &gt;40' Above Floor, Add</i>	0.48
			<i>Note: Applied only to work area above 40'.</i>	
			<i>For Oil Based Paint, Add</i>	0.05
09 91 23 00-0349	LF	2	Coats Paint, Brush Work, Paint Interior Wood Trim To 6" Wide	1.98
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.28
			<i>Note: Applied only to work area above 15' to 20'.</i>	
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.47
			<i>Note: Applied only to work area above 20' to 30'.</i>	
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.76
			<i>Note: Applied only to work area above 30' to 40'.</i>	
			<i>For Work &gt;40' Above Floor, Add</i>	1.04
			<i>Note: Applied only to work area above 40'.</i>	
			<i>For Oil Based Paint, Add</i>	0.10
09 91 23 00-0350	SF	1	Coat Primer, Brush Work, Paint Interior Wood Trim	2.60
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.35
			<i>Note: Applied only to work area above 15' to 20'.</i>	
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.59
			<i>Note: Applied only to work area above 20' to 30'.</i>	
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.94
			<i>Note: Applied only to work area above 30' to 40'.</i>	
			<i>For Work &gt;40' Above Floor, Add</i>	1.30
			<i>Note: Applied only to work area above 40'.</i>	
			<i>For Oil Based Paint, Add</i>	0.14

**09 Finishes**  
**09 90 Painting and Coating**  
**09 91 Painting**



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

09 91 23 00-0351	SF	1 Coat Paint, Brush Work, Paint Interior Wood Trim.....	2.89	
		For Work >15' To 20' Above Floor, Add	0.39	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.66	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	1.05	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	1.44	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	0.16	
09 91 23 00-0352	SF	2 Coats Paint, Brush Work, Paint Interior Wood Trim.....	5.22	
		For Work >15' To 20' Above Floor, Add	0.70	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	1.17	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	1.87	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	2.57	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	0.29	
09 91 23 00-0353	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Trim.....	2.12	
		For Work >15' To 20' Above Floor, Add	0.28	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.47	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.75	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	1.03	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	0.12	
09 91 23 00-0354	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Trim.....	2.37	
		For Work >15' To 20' Above Floor, Add	0.32	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.53	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.84	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	1.16	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	0.13	
09 91 23 00-0355	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Wood Trim.....	4.25	
		For Work >15' To 20' Above Floor, Add	0.56	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.93	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	1.48	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	2.04	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	0.24	
09 91 23 00-0356		<b>Paint Additives</b> (09 91 23)		
09 91 23 00-0357	SF	Mildewcide/Mold Killing Paint Additive Per Each Coat.....	0.03	
09 91 23 00-0358	SF	Class "B" Fire Rating, Fire Resistant Paint Additive.....	0.06	
		For Class "A" Fire Rating, Add	0.06	
09 91 23 00-0359		<b>Hand Painting Letters/Numbers</b> (09 91 23)		
		Note: Painting on walls, floors, poles, signs, etc.		
09 91 23 00-0360	EA	Up To 1" High, Hand Paint, Per Letter/Number.....	2.65	
09 91 23 00-0361	EA	1" To 2" High, Hand Paint, Per Letter/Number.....	3.09	
09 91 23 00-0362	EA	2" To 3" High, Hand Paint, Per Letter/Number.....	4.70	
09 91 23 00-0363	EA	3" To 4" High, Hand Paint, Per Letter/Number.....	5.74	
09 91 23 00-0364	EA	4" To 6" High, Hand Paint, Per Letter/Number.....	7.94	
09 91 23 00-0365	EA	6" To 12" High, Hand Paint, Per Letter/Number.....	10.06	
09 91 23 00-0366	EA	Over 12" High, Hand Paint, Per Letter/Number.....	11.80	
09 91 23 00-0367		<b>Glove/Mitt Application</b> (09 91 23)		
09 91 23 00-0368		<b>Conduit/Pipe</b> (09 91 23 00-0367)		
09 91 23 00-0369	CSF	Acid Wash (Muriatic Acid) Conduit Or Pipe With Glove/Mitt.....	50.20	
		For Work >15' To 20' Above Floor, Add	7.15	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	11.92	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	19.06	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	26.21	
		Note: Applied only to work area above 40'.		
09 91 23 00-0370	CSF	Metal Primer Conduit Or Pipe With Glove/Mitt.....	77.70	
		For Work >15' To 20' Above Floor, Add	8.58	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	14.30	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	22.87	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	31.45	
		Note: Applied only to work area above 40'.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 23 00-0371	CSF		Enamel, Oil Base Paint, First Coat Conduit Or Pipe With Glove/Mitt.....	60.41	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	6.29	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	10.48	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	16.77	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	23.06	
			<i>Note: Applied only to work area above 40'.</i>		
09 91 23 00-0372	CSF		Enamel, Oil Base Paint, Second Coat Conduit Or Pipe With Glove/Mitt.....	48.77	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	4.72	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	7.87	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	12.58	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	17.30	
			<i>Note: Applied only to work area above 40'.</i>		
09 91 23 00-0373	CSF		Epoxy Coating, First Coat Conduit Or Pipe With Glove/Mitt.....	89.40	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	7.15	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	11.92	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	19.06	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	26.21	
			<i>Note: Applied only to work area above 40'.</i>		
09 91 23 00-0374	CSF		Epoxy Coating, Second Coat Conduit Or Pipe With Glove/Mitt.....	81.94	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	6.29	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	10.48	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	16.77	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	23.06	
			<i>Note: Applied only to work area above 40'.</i>		
<b>09 91 23 00-0375</b>			<b>Ductwork</b> (09 91 23 00-0367)		
09 91 23 00-0376	CSF		Acid Wash (Muriatic Acid) Ductwork With Glove/Mitt.....	50.20	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	7.15	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	11.92	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	19.06	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	26.21	
			<i>Note: Applied only to work area above 40'.</i>		
09 91 23 00-0377	CSF		Metal Primer Ductwork With Glove/Mitt.....	73.14	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	7.15	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	11.92	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	19.06	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	26.21	
			<i>Note: Applied only to work area above 40'.</i>		
09 91 23 00-0378	CSF		Enamel, Oil Base Paint Ductwork With Glove/Mitt.....	54.90	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	5.72	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	9.53	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	15.25	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	20.97	
			<i>Note: Applied only to work area above 40'.</i>		
09 91 23 00-0379	CSF		Epoxy Coating, First Coat Ductwork With Glove/Mitt.....	86.40	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	7.15	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	11.92	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	19.06	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	26.21	
			<i>Note: Applied only to work area above 40'.</i>		
09 91 23 00-0380	CSF		Epoxy Coating, Second Coat Ductwork With Glove/Mitt.....	74.44	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	5.72	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	9.53	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	15.25	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	20.97	
			<i>Note: Applied only to work area above 40'.</i>		
<b>09 91 23 00-0381</b>			<b>Stencil Painting Letters/Numbers</b> (09 91 23)		
			<i>Note: Painting on walls, floors, poles, etc. Includes stencil cutout and paint.</i>		

**09 Finishes****09 90 Painting and Coating****09 91 Painting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

09 91 23 00-0382	EA	Up To 1" High, Stencil Painting, Per Letter/Number .....	2.15	
		<i>For &gt;200 To 500, Deduct</i>	-0.17	
		<i>For &gt;500 To 1,000, Deduct</i>	-0.27	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-0.34	
		<i>For &gt;2,000, Deduct</i>	-0.43	
09 91 23 00-0383	EA	1" To 2" High, Stencil Painting, Per Letter/Number .....	2.50	
		<i>For &gt;200 To 500, Deduct</i>	-0.20	
		<i>For &gt;500 To 1,000, Deduct</i>	-0.31	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-0.40	
		<i>For &gt;2,000, Deduct</i>	-0.50	
09 91 23 00-0384	EA	2" To 3" High, Stencil Painting, Per Letter/Number .....	4.23	
		<i>For &gt;200 To 500, Deduct</i>	-0.34	
		<i>For &gt;500 To 1,000, Deduct</i>	-0.53	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-0.68	
		<i>For &gt;2,000, Deduct</i>	-0.85	
09 91 23 00-0385	EA	3" To 4" High, Stencil Painting, Per Letter/Number .....	5.20	
		<i>For &gt;200 To 500, Deduct</i>	-0.42	
		<i>For &gt;500 To 1,000, Deduct</i>	-0.65	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-0.83	
		<i>For &gt;2,000, Deduct</i>	-1.04	
09 91 23 00-0386	EA	4" To 6" High, Stencil Painting, Per Letter/Number .....	7.15	
		<i>For &gt;200 To 500, Deduct</i>	-0.57	
		<i>For &gt;500 To 1,000, Deduct</i>	-0.89	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-1.14	
		<i>For &gt;2,000, Deduct</i>	-1.43	
09 91 23 00-0387	EA	6" To 12" High, Stencil Painting, Per Letter/Number .....	9.52	
		<i>For &gt;200 To 500, Deduct</i>	-0.76	
		<i>For &gt;500 To 1,000, Deduct</i>	-1.19	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-1.52	
		<i>For &gt;2,000, Deduct</i>	-1.90	
09 91 23 00-0388	EA	Over 12" High, Stencil Painting, Per Letter/Number .....	11.23	
		<i>For &gt;200 To 500, Deduct</i>	-0.90	
		<i>For &gt;500 To 1,000, Deduct</i>	-1.40	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-1.80	
		<i>For &gt;2,000, Deduct</i>	-2.25	

**09 91 23 00-0389 Logo Painting (09 91 23)**

09 91 23 00-0390	SF	Simple Design, Paint Logo.....	41.54	
09 91 23 00-0391	SF	Complex Design, Paint Logo .....	48.81	

**09 91 23 00-0392 Paint Interior Miscellaneous Metal Surfaces (09 91 23)**

09 91 23 00-0393	SF	1 Coat Alkyd Anticorrosive Metal Primer, Brush/Roller Work, Paint Interior Miscellaneous Metal Surfaces.....	0.89	
		<i>For Electrostatic Painting, Add</i>	0.12	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.11	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.18	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.28	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	0.39	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	0.55	
		<i>For &gt;100 To 250, Add</i>	0.26	
		<i>For &gt;250 To 500, Add</i>	0.11	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.09	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.13	
		<i>For &gt;20,000, Deduct</i>	-0.18	
09 91 23 00-0394	SF	1 Coat Alkyd Enamel, Brush/Roller Work, Paint Interior Miscellaneous Metal Surfaces.....	1.06	
		<i>For Electrostatic Painting, Add</i>	0.13	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.13	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.22	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.35	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	0.48	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	0.68	
		<i>For &gt;100 To 250, Add</i>	0.32	
		<i>For &gt;250 To 500, Add</i>	0.14	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.11	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.16	
		<i>For &gt;20,000, Deduct</i>	-0.21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0395	SF		2 Coats Alkyd Enamel, Brush/Roller Work, Paint Interior Miscellaneous Metal Surfaces.....	1.85	
			For Electrostatic Painting, Add	0.23	
			For Work >15' To 20' Above Floor, Add	0.23	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.39	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.62	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.86	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.21	
			For >100 To 250, Add	0.58	
			For >250 To 500, Add	0.25	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.19	
			For >10,000 To 20,000, Deduct	-0.28	
			For >20,000, Deduct	-0.37	
09 91 23 00-0396	SF		1 Coat Alkyd Anticorrosive Metal Primer, Sprayed, Paint Interior Miscellaneous Metal Surfaces.....	1.12	
			For Electrostatic Painting, Add	0.14	
			For Work >15' To 20' Above Floor, Add	0.14	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.23	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.36	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.50	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.71	
			For >100 To 250, Add	0.34	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.22	
09 91 23 00-0397	SF		1 Coat Alkyd, Sprayed, Paint Interior Miscellaneous Metal Surfaces .....	1.12	
			For Electrostatic Painting, Add	0.14	
			For Work >15' To 20' Above Floor, Add	0.14	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.23	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.36	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.50	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.71	
			For >100 To 250, Add	0.34	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.22	
09 91 23 00-0398	SF		2 Coats Alkyd, Sprayed, Paint Interior Miscellaneous Metal Surfaces.....	1.73	
			For Electrostatic Painting, Add	0.22	
			For Work >15' To 20' Above Floor, Add	0.21	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.35	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.56	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.78	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.11	
			For >100 To 250, Add	0.53	
			For >250 To 500, Add	0.23	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000 To 20,000, Deduct	-0.26	
			For >20,000, Deduct	-0.35	

**09 91 33 Painting Materials (09 91)**

Note: Paint per gallon for owners to obtain extra paint. Not to be used in conjunction with other painting tasks.

09 91 33 00-0001	Primer (09 91 33)		
09 91 33 00-0002	GAL	Alkyd Primer/Sealer, Interior, 500 SF Per Gallon.....	48.54
09 91 33 00-0003	GAL	Alkyd Wood Primer, Exterior, 400 SF Per Gallon .....	30.95
09 91 33 00-0004	GAL	Prime Coat Oil Wood Primer, 310 SF Per Gallon .....	39.24
09 91 33 00-0005	GAL	Catalyzed Epoxy Primer, Two Component Type, 425 SF Per Gallon.....	111.09
09 91 33 00-0006	EA	Cement Base Primer, 25 LB Sack .....	32.36
09 91 33 00-0007	GAL	Alkali Resistant Concrete And Masonry Primer, Exterior, 225 SF Per Gallon .....	49.89
09 91 33 00-0008	GAL	Alkali Resistant Concrete And Masonry Primer, Interior, 225 SF Per Gallon.....	40.05
09 91 33 00-0009	GAL	Acrylic Latex Primer, Flat Exterior, Fast Drying Wood Undercoat And Back Primer, 400 SF per Gallon .....	30.95
09 91 33 00-0010	GAL	Acrylic (Vinyl Acrylic) Block Filler, 50 SF Per Gallon.....	28.11
09 91 33 00-0011	GAL	Acrylic (Vinyl Acrylic) Rust Inhibiting Metal, Primer - 500 SF Per Gallon: Paint - 260 SF Per Gallon .....	49.55
09 91 33 00-0012	GAL	Acrylic Heavy Duty Wall Primer/Sealer, Low Odor Type, Alkali-Resistant, 800 SF Per Gallon .....	41.26
09 91 33 00-0013	GAL	Acrylic (Vinyl Acrylic) Undercoat, All Purpose, Interior/Exterior, 500 SF Per Gallon .....	41.26
09 91 33 00-0014	GAL	Latex Wood Primer, Exterior, 300 SF Per Gallon .....	46.52
09 91 33 00-0015	GAL	Linseed (Oil Base) Primer, Exterior/Interior, 300 SF Per Gallon .....	30.34
09 91 33 00-0016	GAL	Red Alkyd Primer, 500 SF Per Gallon .....	83.08
09 91 33 00-0017	GAL	Wood Sealer/Primer, Interior, Clear, 600 SF Per Gallon .....	32.36
09 91 33 00-0018	GAL	Zinc Chromate Primer, 300 SF Per Gallon .....	25.89

**09 Finishes****09 90 Painting and Coating****09 91 Painting**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

09 91 33 00-0019	GAL	Zinc Dust/Zinc Oxide Primer, 300 SF Per Gallon.....	66.95
09 91 33 00-0020	GAL	Stain Killer, Alcohol Base.....	41.75
09 91 33 00-0021	GAL	Sealer, Primer Kilz, 400 SF Per Gallon.....	47.10

**09 91 33 00-0022 Paint (09 91 33)**

09 91 33 00-0023	GAL	Aluminum Fiber Roof Coat On Composition Roof, 50 SF Per Gallon.....	22.65
09 91 33 00-0024	GAL	Acrylic Urethane Sealer.....	112.32
09 91 33 00-0025	GAL	Asphalt-Fiber Roof And Foundation Coating, Solvent Type..... Note: 75 SF per gallon on roof or concrete, 100 SF per gallon on metal.	12.14
09 91 33 00-0026	GAL	Concrete Enamel Epoxy, 350 SF Per Gallon.....	70.19
09 91 33 00-0027	GAL	Concrete Acrylic Sealer, 400 SF Per Gallon.....	36.81
09 91 33 00-0028	GAL	Tar Emulsion, Driveway Coating, 120 SF Per Gallon.....	12.14
09 91 33 00-0029	GAL	Acrylic Latex, Driveway Coating, 250 SF Per Gallon.....	18.41
09 91 33 00-0030	GAL	Exterior, Oil Base, Gloss Enamel, 400 SF Per Gallon.....	37.22
09 91 33 00-0031	GAL	Exterior, Oil Base, Gloss, 400 SF Per Gallon.....	49.55
09 91 33 00-0032	GAL	Exterior, Oil Base, Semi-Gloss, 400 SF Per Gallon.....	40.45
09 91 33 00-0033	GAL	Exterior, Flat, Oil Base.....	37.08
09 91 33 00-0034	GAL	Exterior, Latex, Semi-Gloss, 400 SF Per Gallon.....	35.19
09 91 33 00-0035	GAL	Exterior, Flat Latex, Trim Paint, 500 SF Per Gallon.....	41.46
09 91 33 00-0036	GAL	Exterior, Latex Flat Paint, 300 SF Per Gallon.....	36.81
09 91 33 00-0037	GAL	Exterior, Water Base, Latex Gloss Enamel.....	52.40
09 91 33 00-0038	GAL	Cold Galvanizing Paint.....	285.04
09 91 33 00-0039	GAL	High Heat Paint.....	117.62
09 91 33 00-0040	GAL	Heat Resistant Paint.....	78.42
09 91 33 00-0041	GAL	Zinc Chromate Paint.....	70.95
09 91 33 00-0042	QT	Anti-Rust Enamel, 500 SF Per Quart.....	28.01
09 91 33 00-0043	GAL	Rust Inhibitor, Ferrous Metal.....	78.42
09 91 33 00-0044	GAL	Masonry Waterproofing, 100 SF Per Gallon.....	36.81
09 91 33 00-0045	GAL	Alkyd Latex, Black.....	52.90
09 91 33 00-0046	GAL	Alkyd Latex, White.....	52.90
09 91 33 00-0047	GAL	Alkyd Latex, Colors.....	63.79
09 91 33 00-0048	QT	Wrought Iron Paint, Black.....	71.57
09 91 33 00-0049	GAL	Vinyl Paint.....	61.89
09 91 33 00-0050	GAL	Silicone Alkyd.....	75.24
09 91 33 00-0051	GAL	2 Component Solvent Based Acrylic Epoxy.....	76.46
09 91 33 00-0052	GAL	2 Component Solvent Based Polyester Epoxy.....	95.87
09 91 33 00-0053	GAL	Chlorinated Rubber.....	70.39
09 91 33 00-0054	GAL	Polyamide Epoxy Sealer.....	72.82
09 91 33 00-0055	GAL	Coal Tar Epoxy.....	52.18
09 91 33 00-0056	GAL	Swimming Pool Enamel, 350 SF Per Gallon.....	65.13
09 91 33 00-0057	GAL	Swimming Pool Epoxy Or Urethane Base.....	84.95
09 91 33 00-0058	GAL	Swimming Pool Rubber Base.....	58.25
09 91 33 00-0059	GAL	Interior, Latex Flat Paint, 300 SF Per Gallon.....	37.01
09 91 33 00-0060	GAL	Interior, Latex Eggshell Or Semi-Gloss Enamel, 300 SF Per Gallon.....	41.46
09 91 33 00-0061	GAL	Interior, Fire-Retardant Flat Paint, 200 SF Per Gallon.....	75.85
09 91 33 00-0062	GAL	Interior, Ceiling White Latex Flat, 350 SF Per Gallon.....	25.69
09 91 33 00-0063	GAL	Linseed Oil.....	22.45
09 91 33 00-0064	GAL	Latex Floor Paint, 300 SF Per Gallon.....	36.81
09 91 33 00-0065	GAL	Acrylic Floor Paint, 400 SF Per Gallon.....	41.46
09 91 33 00-0066	GAL	Texture Paint, Sand Texture Latex, Armor Coat, 100 SF Per Gallon.....	37.92
09 91 33 00-0067	GAL	Acoustic Spray-On Texture, Finish.....	30.47

**09 91 33 00-0068 Stain, Varnish (09 91 33)**

09 91 33 00-0069	GAL	Thompson Water Sealer, 150 SF Per Gallon.....	21.04
09 91 33 00-0070	GAL	Latex Redwood Stain, Water Base, 300 SF Per Gallon.....	39.24
09 91 33 00-0071	GAL	Redwood Oil Stain, 300 SF Per Gallon.....	34.99
09 91 33 00-0072	GAL	Varnish, Clear.....	39.36
09 91 33 00-0073	GAL	Penetrating Water-Repellent Stain.....	28.59
09 91 33 00-0074	GAL	Redwood Hue Or Clear Stain.....	25.55
09 91 33 00-0075	GAL	Polyurethane.....	44.85
09 91 33 00-0076	GAL	Lacquer, Semi-Gloss.....	36.92
09 91 33 00-0077	GAL	Shellac, Clear.....	48.44
09 91 33 00-0078	GAL	Acetone.....	15.98
09 91 33 00-0079	GAL	Paint Thinner.....	3.94
09 91 33 00-0080	GAL	Shellac Or Lacquer Thinner.....	16.18
09 91 33 00-0081	GAL	Turpentine.....	22.25
09 91 33 00-0082	GAL	Wood Filler Paste.....	38.03
09 91 33 00-0083	GAL	Wood Preservative, Pentachlorophenol, General Purpose, 40%, 150 SF Per Gallon.....	30.34
09 91 33 00-0084	GAL	Waterbased Alkyd Urethane (Sherwin Williams B53W01153).....	83.64

**09 91 43 Surface Preparation (09 91)**

See CSI section 09 01 90 52-0000 for preparation on painted or unpainted surfaces.

**09 93 Staining and Transparent Finishing (09 90)**

Note: Includes light sanding or screening between coats.

**09 93 13 Exterior Staining and Finishing (09 93)****09 93 13 53 Exterior Finishing (09 93 13)****09 93 13 53-0001 Stain Sealer (09 93 13 53)**

Note: Measured by surface area of wall or ceiling.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 93 13 53-0002	SF	Stain Sealer, Brush Work.....	1.03	
		<i>For Ceiling Work, Add</i>	0.14	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.03	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.06	
		<i>For &gt;20,000, Deduct</i>	-0.08	
09 93 13 53-0003	SF	Stain Sealer, Brush/Roller Work.....	0.82	
		<i>For Ceiling Work, Add</i>	0.11	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.02	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.05	
		<i>For &gt;20,000, Deduct</i>	-0.07	
09 93 13 53-0004	SF	Stain Sealer, Sprayed.....	0.31	
		<i>For Ceiling Work, Add</i>	0.03	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.01	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.02	
		<i>For &gt;20,000, Deduct</i>	-0.03	

**09 93 23 Interior Staining and Finishing (09 93)**

Note: VOC compliant in all regulated areas, review specifications for levels.

**09 93 23 13 Interior Staining (09 93 23)**

**09 93 23 13-0001 Stain Wood Trim (09 93 23 13)**

09 93 23 13-0002	LF	Stain Wood Trim, Up To 6" Wide, 1 Coat Stain, With Brush And Wipe Off.....	1.27	
		<i>For Up To 100, Add</i>	0.91	
		<i>For &gt;100 To 250, Add</i>	0.43	
		<i>For &gt;250 To 500, Add</i>	0.18	
		<i>For &gt;4,000, Deduct</i>	-0.06	
09 93 23 13-0003	SF	Stain Wood Trim, 1 Coat Stain, With Brush And Wipe Off.....	1.88	
		<i>For Up To 100, Add</i>	1.33	
		<i>For &gt;100 To 250, Add</i>	0.63	
		<i>For &gt;250 To 500, Add</i>	0.27	
		<i>For &gt;4,000, Deduct</i>	-0.09	

**09 93 23 13-0004 Stain Wood Floor (09 93 23 13)**

09 93 23 13-0005	SF	Stain Or Varnish Wood Floor, 1 Coat Stain, Brush Work.....	0.59	
		<i>For Up To 100, Add</i>	0.36	
		<i>For &gt;100 To 250, Add</i>	0.17	
		<i>For &gt;250 To 500, Add</i>	0.08	
		<i>For &gt;4,000, Deduct</i>	-0.03	
09 93 23 13-0006	SF	Stain Or Varnish Wood Floor, 1 Coat Stain, Brush/Roller Work .....	0.44	
		<i>For Up To 100, Add</i>	0.25	
		<i>For &gt;100 To 250, Add</i>	0.12	
		<i>For &gt;250 To 500, Add</i>	0.05	
		<i>For &gt;4,000, Deduct</i>	-0.02	

**09 93 23 13-0007 Stain Wood Door And Window (09 93 23 13)**

09 93 23 13-0008	EA	Stain Wood Door, 1 Coat Stain With Brush And Wipe Off Wood Door (Per Face).....	61.10	
		<i>For Up To 4, Add</i>	44.63	
		<i>For &gt;4 To 10, Add</i>	20.89	
		<i>For &gt;10 To 20, Add</i>	8.97	
		<i>For &gt;160, Deduct</i>	-3.06	
09 93 23 13-0009	EA	Stain Wood Window, 1 Coat Stain With Brush And Wipe Off Wood Window And Frame (Per Face).....	43.44	
		<i>For Up To 4, Add</i>	30.82	
		<i>For &gt;4 To 10, Add</i>	14.47	
		<i>For &gt;10 To 20, Add</i>	6.22	
		<i>For &gt;160, Deduct</i>	-2.17	

**09 93 23 13-0010 Stain Wood Cabinet (09 93 23 13)**

09 93 23 13-0011	SF	Stain Cabinet, 1 Coat Stain With Brush And Wipe.....	1.52	
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**09 93 23 53 Interior Finishing (09 93 23)**

**09 93 23 53-0001 Concrete Finishes (09 93 23 53)**

09 93 23 53-0002	SF	Finish Concrete Floor, 1 Coat Polyurethane.....	0.89	
		<i>For Up To 100, Add</i>	0.54	
		<i>For &gt;100 To 250, Add</i>	0.26	
		<i>For &gt;250 To 500, Add</i>	0.11	
		<i>For &gt;4,000, Deduct</i>	-0.04	

**09 93 23 53-0003 Wood Trim Finishes (09 93 23 53)**

09 93 23 53-0004	SF	Finish Wood Trim, 1 Coat Sealer And 1 Coat Varnish Or Polyurethane.....	1.54	
		<i>For Up To 100, Add</i>	1.03	
		<i>For &gt;100 To 250, Add</i>	0.49	
		<i>For &gt;250 To 500, Add</i>	0.21	
		<i>For &gt;4,000, Deduct</i>	-0.08	
09 93 23 53-0005	SF	Finish Wood Trim, 1 Coat Varnish Or Polyurethane .....	1.02	
		<i>For Up To 100, Add</i>	0.71	
		<i>For &gt;100 To 250, Add</i>	0.33	
		<i>For &gt;250 To 500, Add</i>	0.14	
		<i>For &gt;4,000, Deduct</i>	-0.05	

**09 93 23 53-0006 Wood Floor Finishes (09 93 23 53)**

**09 Finishes**

**09 90 Painting and Coating**

**09 93 Staining and Transparent Finishing**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

09 93 23 53-0007	SF	Refinish Wood Floor, 2 Coats Polyurethane .....	3.13
		Note: Includes sanding existing floor.	
		For Up To 100, Add	2.22
		For >100 To 250, Add	1.04
		For >250 To 500, Add	0.45
		For >4,000, Deduct	-0.16
09 93 23 53-0008	SF	Polyurethane Wood Floor, 1 Coat Polyurethane, With Wool Applicator Or Brush Work.....	0.77
		Note: Includes screening between coats.	
		For Up To 100, Add	0.51
		For >100 To 250, Add	0.24
		For >250 To 500, Add	0.10
		For >4,000, Deduct	-0.04
09 93 23 53-0009	SF	Refinish Wood Floor, 1 Coat Sealer And 2 Coats Polyurethane.....	3.54
		Note: Includes sanding existing floor.	
		For Up To 100, Add	2.49
		For >100 To 250, Add	1.17
		For >250 To 500, Add	0.50
		For >4,000, Deduct	-0.18

**09 93 23 53-0010 Wood Door And Window Finishes (09 93 23 53)**  
See CSI section 08 14 16 00-0627 for factory finish.

09 93 23 53-0011	EA	Varnish Or Polyurethane Wood Door, 1 Coat Shellac (Per Face).....	44.13
		For Up To 4, Add	32.15
		For >4 To 10, Add	15.05
		For >10 To 20, Add	6.46
		For >160, Deduct	-2.21
09 93 23 53-0012	EA	Varnish Or Polyurethane Wood Door, 3 Coats Shellac, With Light Sanding Between Coats (Per Face).....	133.71
		For Up To 4, Add	95.93
		For >4 To 10, Add	44.99
		For >10 To 20, Add	19.33
		For >160, Deduct	-6.69

**09 93 23 53-0013 Cabinet Finishes (09 93 23 53)**

09 93 23 53-0014	SF	Finish Cabinet, 1 Coat Shellac, Varnish Or Polyurethane.....	1.53
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**09 93 23 53-0015 Gym, Stage And Dance Floor Finishes (09 93 23 53)**

09 93 23 53-0016	SF	Yearly Maintenance Refinish Of Gym, Stage Or Dance Floor .....	1.86
		Note: Includes screening, one coat of finish and buffing. Excludes repainting of game lines.	
09 93 23 53-0017	SF	Finish New Elementary School Wood Gym, Stage Or Dance Floor.....	4.40
		Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	
		For Stage Or Dance Floors, Deduct	-0.09
09 93 23 53-0018	SF	Finish New Middle Or Junior School Wood Gym, Stage Or Dance Floor .....	4.50
		Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	
		For Stage Or Dance Floors, Deduct	-0.09
09 93 23 53-0019	SF	Finish New High School Wood Gym, Stage Or Dance Floor .....	4.59
		Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	
		For Stage Or Dance Floors, Deduct	-0.09
09 93 23 53-0020	SF	Refinish Existing Elementary School Wood Gym, Stage Or Dance Floor.....	4.40
		Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	
		For Stage Or Dance Floors, Deduct	-0.09
09 93 23 53-0021	SF	Refinish Existing Middle Or Junior School Wood Gym, Stage Or Dance Floor.....	4.50
		Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	
		For Stage Or Dance Floors, Deduct	-0.09
09 93 23 53-0022	SF	Refinish Existing High School Wood Gym, Stage Or Dance Floor.....	4.59
		Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	
		For Stage Or Dance Floors, Deduct	-0.09

**09 94 Decorative Finishing (09 90)**

**09 94 13 Textured Finishing (09 94)**

09 94 13 00-0001	SF	Textured Metallic Paint (Scufmaster Envirometal) .....	2.82
		For Up To 100, Add	1.14
		For >100 To 250, Add	0.58
		For >250 To 500, Add	0.26

**09 96 High-Performance Coatings (09 90)**

**09 96 23 Graffiti-Resistant Coatings (09 96)**

09 96 23 00-0001		Anti-Graffiti Coating (09 96 23)	
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 96 23 00-0002	SF	Sacrificial Anti-Graffiti Coating, Per Coat .....	1.52		
		For Up To 100, Add	0.95		
		For >100 To 250, Add	0.45		
		For >250 To 500, Add	0.20		
09 96 23 00-0003	SF	Permanent (Non-Sacrificial) Anti-Graffiti Coating, Per Coat .....	1.60		
		For Up To 100, Add	0.96		
		For >100 To 250, Add	0.46		
		For >250 To 500, Add	0.20		

**09 96 53 Elastomeric Coatings** (09 96)

**09 96 53 00-0001 Elastomeric Painting** (09 96 53)

Note: Per coat.					
09 96 53 00-0002	SF	1 Coat, 5.3 To 8 Wet Mills, Brush Work, Elastomeric Primer Applied To Walls And Floors .....	0.92		
		For Work >15' To 20' Above Floor, Add	0.12		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.19		
		Note: Applied only to work area above 20'.			
		For Work >30' To 40' Above Floor, Add	0.31		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.42		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.60		
		For >100 To 250, Add	0.28		
		For >250 To 500, Add	0.12		
		For >2,500 To 5,000, Deduct	-0.05		
		For >5,000 To 10,000, Deduct	-0.09		
		For >10,000 To 20,000, Deduct	-0.14		
		For >20,000, Deduct	-0.18		
09 96 53 00-0003	SF	1 Coat, 5.3 To 8 Wet Mills, Brush/Roller Work, Elastomeric Primer Applied To Walls And Floors .....	0.79		
		For Work >15' To 20' Above Floor, Add	0.10		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.16		
		Note: Applied only to work area above 20'.			
		For Work >30' To 40' Above Floor, Add	0.26		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.36		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.51		
		For >100 To 250, Add	0.24		
		For >250 To 500, Add	0.10		
		For >2,500 To 5,000, Deduct	-0.04		
		For >5,000 To 10,000, Deduct	-0.08		
		For >10,000 To 20,000, Deduct	-0.12		
		For >20,000, Deduct	-0.16		
09 96 53 00-0004	SF	1 Coat, 5.3 To 8 Wet Mills, Sprayed, Elastomeric Primer Applied To Walls And Floors .....	0.63		
		For Work >15' To 20' Above Floor, Add	0.07		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.11		
		Note: Applied only to work area above 20'.			
		For Work >30' To 40' Above Floor, Add	0.18		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.24		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.36		
		For >100 To 250, Add	0.17		
		For >250 To 500, Add	0.08		
		For >2,500 To 5,000, Deduct	-0.03		
		For >5,000 To 10,000, Deduct	-0.06		
		For >10,000 To 20,000, Deduct	-0.09		
		For >20,000, Deduct	-0.13		
09 96 53 00-0005	SF	1 Coat, 13 To 16 Wet Mills, Brush Work, Elastomeric Paint Applied To Walls And Floors .....	1.83		
		For Work >15' To 20' Above Floor, Add	0.14		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.23		
		Note: Applied only to work area above 20'.			
		For Work >30' To 40' Above Floor, Add	0.36		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.50		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.82		
		For >100 To 250, Add	0.41		
		For >250 To 500, Add	0.18		
		For >2,500 To 5,000, Deduct	-0.09		
		For >5,000 To 10,000, Deduct	-0.18		
		For >10,000 To 20,000, Deduct	-0.27		
		For >20,000, Deduct	-0.37		

**09 Finishes**

**09 90 Painting and Coating**

**09 96 High-Performance Coatings**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 96 53 00-0006	SF 1 Coat, 13 To 16 Wet Mils, Brush/Roller Work, Elastomeric Paint Applied To Walls And Floors.....	1.68	
	For Work >15' To 20' Above Floor, Add	0.11	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.19	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.30	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.42	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.71	
	For >100 To 250, Add	0.36	
	For >250 To 500, Add	0.16	
	For >2,500 To 5,000, Deduct	-0.08	
	For >5,000 To 10,000, Deduct	-0.17	
	For >10,000 To 20,000, Deduct	-0.25	
	For >20,000, Deduct	-0.34	
09 96 53 00-0007	SF 1 Coat, 13 To 16 Wet Mils, Sprayed, Elastomeric Paint Applied To Walls And Floors .....	1.76	
	For Work >15' To 20' Above Floor, Add	0.08	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.13	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.20	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.28	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.57	
	For >100 To 250, Add	0.30	
	For >250 To 500, Add	0.14	
	For >2,500 To 5,000, Deduct	-0.09	
	For >5,000 To 10,000, Deduct	-0.18	
	For >10,000 To 20,000, Deduct	-0.26	
	For >20,000, Deduct	-0.35	
09 96 53 00-0008	SF 1 Coat, 5.3 To 8 Wet Mils, Brush Work, Elastomeric Primer Applied To Ceilings And Overhead.....	1.05	
	For Work >15' To 20' Above Floor, Add	0.14	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.23	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.36	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.50	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.70	
	For >100 To 250, Add	0.33	
	For >250 To 500, Add	0.14	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.11	
	For >10,000 To 20,000, Deduct	-0.16	
	For >20,000, Deduct	-0.21	
09 96 53 00-0009	SF 1 Coat, 5.3 To 8 Wet Mils, Brush/Roller Work, Elastomeric Primer Applied To Ceilings And Overhead.....	0.90	
	For Work >15' To 20' Above Floor, Add	0.11	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.19	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.30	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.42	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.59	
	For >100 To 250, Add	0.28	
	For >250 To 500, Add	0.12	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.14	
	For >20,000, Deduct	-0.18	
09 96 53 00-0010	SF 1 Coat, 5.3 To 8 Wet Mils, Sprayed, Elastomeric Primer Applied To Ceilings And Overhead .....	0.70	
	For Work >15' To 20' Above Floor, Add	0.08	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.13	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.20	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.28	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.41	
	For >100 To 250, Add	0.20	
	For >250 To 500, Add	0.09	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.07	
	For >10,000 To 20,000, Deduct	-0.11	
	For >20,000, Deduct	-0.14	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 96 53 00-0011	SF	1 Coat, 13 To 16 Wet Mills, Brush Work, Elastomeric Paint Applied To Ceilings And Overhead .....	1.98
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.16
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.27
		<i>Note: Applied only to work area above 20'.</i>	
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.42
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work &gt;40' Above Floor, Add</i>	0.58
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	0.93
		<i>For &gt;100 To 250, Add</i>	0.46
		<i>For &gt;250 To 500, Add</i>	0.21
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.10
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.20
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.30
		<i>For &gt;20,000, Deduct</i>	-0.40
09 96 53 00-0012	SF	1 Coat, 13 To 16 Wet Mills, Brush/Roller Work, Elastomeric Paint Applied To Ceilings And Overhead.....	1.81
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.13
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.22
		<i>Note: Applied only to work area above 20'.</i>	
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.36
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work &gt;40' Above Floor, Add</i>	0.49
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	0.81
		<i>For &gt;100 To 250, Add</i>	0.40
		<i>For &gt;250 To 500, Add</i>	0.18
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.09
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.18
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.27
		<i>For &gt;20,000, Deduct</i>	-0.36
09 96 53 00-0013	SF	1 Coat, 13 To 16 Wet Mills, Sprayed, Elastomeric Paint Applied To Ceilings And Overhead .....	1.85
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.09
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.15
		<i>Note: Applied only to work area above 20'.</i>	
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.24
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work &gt;40' Above Floor, Add</i>	0.33
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	0.64
		<i>For &gt;100 To 250, Add</i>	0.34
		<i>For &gt;250 To 500, Add</i>	0.15
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.09
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.19
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.28
		<i>For &gt;20,000, Deduct</i>	-0.37

**09 96 56 Epoxy Coatings** (09 96)

09 96 56 00-0001	High Build Epoxy	<small>(09 96 56)</small>	
09 96 56 00-0002	SF	50 Mil, High Build Epoxy .....	3.40
09 96 56 00-0003	Laminated Epoxy With Fiberglass	<small>(09 96 56)</small>	
09 96 56 00-0004	SF	Laminated Epoxy With Fiberglass .....	6.20

**09 96 66 Aggregate Wall Coatings** (09 96)

09 96 66 00-0001	Troweled On	<small>(09 96 66)</small>	
09 96 66 00-0002	SF	Exposed Aggregate - 1/16" To 1/4" - Troweled On.....	4.67
09 96 66 00-0003	SF	Exposed Aggregate - 1/2" To 5/8" Troweled On .....	8.37
09 96 66 00-0004	SF	Exposed Aggregate - 1" Troweled On .....	12.47
09 96 66 00-0005	Sprayed On	<small>(09 96 66)</small>	
09 96 66 00-0006	SF	Exposed Aggregate - 1/8" - Sprayed On.....	3.80

**09 97 Special Coatings** (09 90)

**09 97 13 Steel Coatings** (09 97)

**09 97 13 23 Exterior Steel Coatings** (09 97 13)

Note: Steel Structure Painting Council, SSPC; Surface Preparation, SP.

09 97 13 23-0001	Surface Preparation For Structural Steel	<small>(09 97 13 23)</small>	
		Note: Type 1 structural steel - up to 2 SF per LF, Type 2 structural steel - over 2 SF to 5 SF per LF, Type 3 structural steel - over 5 SF per LF, and piping - under 14" diameter.	

**09 Finishes**

**09 90 Painting and Coating**

**09 97 Special Coatings**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

**09 97 13 23-0002 SSPC SP7 Brush Off Blast Cleaning Surface Preparation For Structural Steel** (09 97 13 23-0001)

Note: A Brush-Off Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, loose mill scale, loose rust and loose paint. Tightly adherent mill scale, rust and paint may remain on the surface. Mill scale, rust and coating are considered adherent if they cannot be removed by lifting with a dull putty knife after abrasive blast cleaning has been performed. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP11

09 97 13 23-0003	SF	Type 1 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation.....	1.09
		For Up To 100, Add	0.75
		For >100 To 250, Add	0.35
		For >250 To 500, Add	0.15
09 97 13 23-0004	SF	Type 2 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation.....	0.96
		For Up To 100, Add	0.65
		For >100 To 250, Add	0.31
		For >250 To 500, Add	0.13
09 97 13 23-0005	SF	Type 3 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation.....	0.95
		For Up To 100, Add	0.65
		For >100 To 250, Add	0.31
		For >250 To 500, Add	0.13
09 97 13 23-0006	SF	Up To 14" Diameter Pipe SP7 Brush Off Blast Cleaning Surface Preparation.....	1.35
		For Up To 100, Add	0.93
		For >100 To 250, Add	0.44
		For >250 To 500, Add	0.19

**09 97 13 23-0007 SSPC SP6 Commercial Blast Cleaning Surface Preparation For Structural Steel** (09 97 13 23-0001)

Note: A Commercial Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products and other foreign matter, except for staining. Staining shall be limited to no more than 33% of each square inch of surface area and may consist of light shadows, slight streaks or minor discoloration caused by stains of rust, stains of mill scale or stains of previously applied paint. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP6/NACE 3 or ISO 8501-1 Sa 2.

09 97 13 23-0008	SF	Type 1 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation.....	2.78
		For Up To 100, Add	1.95
		For >100 To 250, Add	0.92
		For >250 To 500, Add	0.40
09 97 13 23-0009	SF	Type 2 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation.....	2.43
		For Up To 100, Add	1.70
		For >100 To 250, Add	0.80
		For >250 To 500, Add	0.34
09 97 13 23-0010	SF	Type 3 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation.....	2.25
		For Up To 100, Add	1.56
		For >100 To 250, Add	0.74
		For >250 To 500, Add	0.32
09 97 13 23-0011	SF	Up To 14" Diameter Pipe SP6 Commercial Blast Cleaning Surface Preparation.....	3.49
		For Up To 100, Add	2.48
		For >100 To 250, Add	1.16
		For >250 To 500, Add	0.50

**09 97 13 23-0012 SSPC SP5 White Metal Blast Cleaning Surface Preparation For Structural Steel** (09 97 13 23-0001)

Note: A White Metal Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products and other foreign matter. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete Instructions, refer to Joint Surface Preparation Standard SSPC-SP5/NACE 1 or ISO 8501-1 Sa 3.

09 97 13 23-0013	SF	Type 1 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation.....	5.41
		For Up To 100, Add	3.82
		For >100 To 250, Add	1.80
		For >250 To 500, Add	0.77
09 97 13 23-0014	SF	Type 2 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation.....	4.64
		For Up To 100, Add	3.26
		For >100 To 250, Add	1.53
		For >250 To 500, Add	0.66
09 97 13 23-0015	SF	Type 3 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation.....	4.26
		For Up To 100, Add	2.98
		For >100 To 250, Add	1.40
		For >250 To 500, Add	0.60
09 97 13 23-0016	SF	Up To 14" Diameter Pipe SP5 White Metal Blast Cleaning Surface Preparation.....	6.52
		For Up To 100, Add	4.66
		For >100 To 250, Add	2.19
		For >250 To 500, Add	0.94

**09 97 13 23-0017 SSPC SP10 Near White Metal Blast Cleaning Surface Preparation For Structural Steel** (09 97 13 23-0001)

Note: A Near-White Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products and other foreign matter, except for staining. Staining shall be limited to no more than 5 percent of each square inch of surface area and may consist of light shadows, slight streaks or minor discoloration caused by stains of rust, stains of mill scale or stains of previously applied paint. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP10/NACE 2 or ISO 8501-1 Sa 2.5.

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 97 13 23-0018	SF Type 1 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation .....	4.03	
	For Up To 100, Add	2.84	
	For >100 To 250, Add	1.33	
	For >250 To 500, Add	0.57	
09 97 13 23-0019	SF Type 2 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation .....	3.44	
	For Up To 100, Add	2.41	
	For >100 To 250, Add	1.13	
	For >250 To 500, Add	0.49	
09 97 13 23-0020	SF Type 3 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation .....	3.26	
	For Up To 100, Add	2.28	
	For >100 To 250, Add	1.07	
	For >250 To 500, Add	0.46	
09 97 13 23-0021	SF Up To 14" Diameter Pipe SP10 Near White Metal Blast Cleaning Surface Preparation .....	4.74	
	For Up To 100, Add	3.39	
	For >100 To 250, Add	1.59	
	For >250 To 500, Add	0.68	
<b>09 97 13 23-0022</b>	<b>Protective Coatings For Tanks And Structural Steel</b> (09 97 13 23)		
	Note: Type 1 structural steel - up to 2 SF per LF, Type 2 structural steel - over 2 SF to 5 SF per LF, Type 3 structural steel - over 5 SF per LF, and piping - under 14" diameter.		
<b>09 97 13 23-0023</b>	<b>1.5 Mil Prime Coat For Structural Steel</b> (09 97 13 23-0022)		
09 97 13 23-0024	SF Spray Type 1 Structural Steel 1.5 Mil Prime Coat .....	1.09	
	For Up To 100, Add	0.72	
	For >100 To 250, Add	0.34	
	For >250 To 500, Add	0.15	
09 97 13 23-0025	SF Spray Type 2 Structural Steel 1.5 Mil Prime Coat .....	0.81	
	For Up To 100, Add	0.53	
	For >100 To 250, Add	0.25	
	For >250 To 500, Add	0.11	
09 97 13 23-0026	SF Spray Type 3 Structural Steel 1.5 Mil Prime Coat .....	0.72	
	For Up To 100, Add	0.46	
	For >100 To 250, Add	0.22	
	For >250 To 500, Add	0.10	
09 97 13 23-0027	SF Spray Up To 14" Diameter Pipe 1.5 Mil Prime Coat .....	1.30	
	For Up To 100, Add	0.89	
	For >100 To 250, Add	0.42	
	For >250 To 500, Add	0.18	
09 97 13 23-0028	SF Brush Type 1 Structural Steel 1.5 Mil Prime Coat .....	1.56	
	For Up To 100, Add	1.07	
	For >100 To 250, Add	0.51	
	For >250 To 500, Add	0.22	
09 97 13 23-0029	SF Brush Type 2 Structural Steel 1.5 Mil Prime Coat .....	1.15	
	For Up To 100, Add	0.78	
	For >100 To 250, Add	0.37	
	For >250 To 500, Add	0.16	
09 97 13 23-0030	SF Brush Type 3 Structural Steel 1.5 Mil Prime Coat .....	1.03	
	For Up To 100, Add	0.69	
	For >100 To 250, Add	0.33	
	For >250 To 500, Add	0.14	
09 97 13 23-0031	SF Brush Up To 14" Diameter Pipe 1.5 Mil Prime Coat .....	1.88	
	For Up To 100, Add	1.32	
	For >100 To 250, Add	0.62	
	For >250 To 500, Add	0.27	
<b>09 97 13 23-0032</b>	<b>1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats For Structural Steel</b> (09 97 13 23-0022)		
09 97 13 23-0033	SF Spray Type 1 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats .....	3.21	
	For Up To 100, Add	2.11	
	For >100 To 250, Add	1.00	
	For >250 To 500, Add	0.43	
09 97 13 23-0034	SF Spray Type 2 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats .....	2.31	
	For Up To 100, Add	1.46	
	For >100 To 250, Add	0.70	
	For >250 To 500, Add	0.30	
09 97 13 23-0035	SF Spray Type 3 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats .....	2.15	
	For Up To 100, Add	1.34	
	For >100 To 250, Add	0.64	
	For >250 To 500, Add	0.28	
09 97 13 23-0036	SF Spray Up To 14" Diameter Pipe 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats .....	3.91	
	For Up To 100, Add	2.62	
	For >100 To 250, Add	1.24	
	For >250 To 500, Add	0.53	
09 97 13 23-0037	SF Spray Type 1 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats .....	2.41	
	For Up To 100, Add	1.59	
	For >100 To 250, Add	0.75	
	For >250 To 500, Add	0.32	
09 97 13 23-0038	SF Spray Type 2 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats .....	1.74	
	For Up To 100, Add	1.10	
	For >100 To 250, Add	0.52	
	For >250 To 500, Add	0.23	
09 97 13 23-0039	SF Spray Type 3 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats .....	1.61	
	For Up To 100, Add	1.00	
	For >100 To 250, Add	0.48	
	For >250 To 500, Add	0.21	
09 97 13 23-0040	SF Spray Up To 14" Diameter Pipe 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats .....	2.93	
	For Up To 100, Add	1.96	
	For >100 To 250, Add	0.93	
	For >250 To 500, Add	0.40	

## 09 Finishes

## 09 90 Painting and Coating

## 09 97 Special Coatings

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

09 97 13 23-0041	SF	Brush Type 1 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	4.97	
		<i>For Up To 100, Add</i>	3.43	
		<i>For &gt;100 To 250, Add</i>	1.61	
		<i>For &gt;250 To 500, Add</i>	0.70	
09 97 13 23-0042	SF	Brush Type 2 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	3.52	
		<i>For Up To 100, Add</i>	2.37	
		<i>For &gt;100 To 250, Add</i>	1.12	
		<i>For &gt;250 To 500, Add</i>	0.48	
09 97 13 23-0043	SF	Brush Type 3 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	3.24	
		<i>For Up To 100, Add</i>	2.16	
		<i>For &gt;100 To 250, Add</i>	1.02	
		<i>For &gt;250 To 500, Add</i>	0.44	
09 97 13 23-0044	SF	Brush Up To 14" Diameter Pipe 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	6.10	
		<i>For Up To 100, Add</i>	4.26	
		<i>For &gt;100 To 250, Add</i>	2.01	
		<i>For &gt;250 To 500, Add</i>	0.86	
09 97 13 23-0045	SF	Brush Type 1 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	3.72	
		<i>For Up To 100, Add</i>	2.57	
		<i>For &gt;100 To 250, Add</i>	1.21	
		<i>For &gt;250 To 500, Add</i>	0.52	
09 97 13 23-0046	SF	Brush Type 2 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.64	
		<i>For Up To 100, Add</i>	1.78	
		<i>For &gt;100 To 250, Add</i>	0.84	
		<i>For &gt;250 To 500, Add</i>	0.36	
09 97 13 23-0047	SF	Brush Type 3 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.43	
		<i>For Up To 100, Add</i>	1.62	
		<i>For &gt;100 To 250, Add</i>	0.77	
		<i>For &gt;250 To 500, Add</i>	0.33	
09 97 13 23-0048	SF	Brush Up To 14" Diameter Pipe 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	4.57	
		<i>For Up To 100, Add</i>	3.19	
		<i>For &gt;100 To 250, Add</i>	1.50	
		<i>For &gt;250 To 500, Add</i>	0.65	

## 09 97 13 23-0049 Touch-Up And Two 1.5 Mil Alkyd Finish Coats For Structural Steel (09 97 13 23-0022)

09 97 13 23-0050	SF	Spray Type 1 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.48	
		<i>For Up To 100, Add</i>	1.64	
		<i>For &gt;100 To 250, Add</i>	0.78	
		<i>For &gt;250 To 500, Add</i>	0.34	
09 97 13 23-0051	SF	Spray Type 2 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.03	
		<i>For Up To 100, Add</i>	1.32	
		<i>For &gt;100 To 250, Add</i>	0.63	
		<i>For &gt;250 To 500, Add</i>	0.27	
09 97 13 23-0052	SF	Spray Type 3 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.86	
		<i>For Up To 100, Add</i>	1.20	
		<i>For &gt;100 To 250, Add</i>	0.57	
		<i>For &gt;250 To 500, Add</i>	0.25	
09 97 13 23-0053	SF	Spray Up To 14" Diameter Pipe Touch-Up And Two 1.5 Mil Alkyd Finish Coats	3.08	
		<i>For Up To 100, Add</i>	2.09	
		<i>For &gt;100 To 250, Add</i>	0.99	
		<i>For &gt;250 To 500, Add</i>	0.43	
09 97 13 23-0054	SF	Spray Type 1 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.59	
		<i>For Up To 100, Add</i>	1.05	
		<i>For &gt;100 To 250, Add</i>	0.50	
		<i>For &gt;250 To 500, Add</i>	0.22	
09 97 13 23-0055	SF	Spray Type 2 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.30	
		<i>For Up To 100, Add</i>	0.85	
		<i>For &gt;100 To 250, Add</i>	0.40	
		<i>For &gt;250 To 500, Add</i>	0.17	
09 97 13 23-0056	SF	Spray Type 3 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.18	
		<i>For Up To 100, Add</i>	0.76	
		<i>For &gt;100 To 250, Add</i>	0.36	
		<i>For &gt;250 To 500, Add</i>	0.16	
09 97 13 23-0057	SF	Spray Up To 14" Diameter Pipe Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.98	
		<i>For Up To 100, Add</i>	1.34	
		<i>For &gt;100 To 250, Add</i>	0.63	
		<i>For &gt;250 To 500, Add</i>	0.27	
09 97 13 23-0058	SF	Brush Type 1 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	3.54	
		<i>For Up To 100, Add</i>	2.44	
		<i>For &gt;100 To 250, Add</i>	1.15	
		<i>For &gt;250 To 500, Add</i>	0.50	
09 97 13 23-0059	SF	Brush Type 2 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.87	
		<i>For Up To 100, Add</i>	1.95	
		<i>For &gt;100 To 250, Add</i>	0.92	
		<i>For &gt;250 To 500, Add</i>	0.40	
09 97 13 23-0060	SF	Brush Type 3 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.62	
		<i>For Up To 100, Add</i>	1.77	
		<i>For &gt;100 To 250, Add</i>	0.83	
		<i>For &gt;250 To 500, Add</i>	0.36	
09 97 13 23-0061	SF	Brush Up To 14" Diameter Pipe Touch-Up And Two 1.5 Mil Alkyd Finish Coats	4.44	
		<i>For Up To 100, Add</i>	3.11	
		<i>For &gt;100 To 250, Add</i>	1.46	
		<i>For &gt;250 To 500, Add</i>	0.63	
09 97 13 23-0062	SF	Brush Type 1 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	2.26	
		<i>For Up To 100, Add</i>	1.56	
		<i>For &gt;100 To 250, Add</i>	0.73	
		<i>For &gt;250 To 500, Add</i>	0.32	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 97 13 23-0063	SF Brush Type 2 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.84	
	<i>For Up To 100, Add</i>	1.25	
	<i>For &gt;100 To 250, Add</i>	0.59	
	<i>For &gt;250 To 500, Add</i>	0.26	
09 97 13 23-0064	SF Brush Type 3 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.68	
	<i>For Up To 100, Add</i>	1.13	
	<i>For &gt;100 To 250, Add</i>	0.54	
	<i>For &gt;250 To 500, Add</i>	0.23	
09 97 13 23-0065	SF Brush Up To 14" Diameter Pipe Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	2.85	
	<i>For Up To 100, Add</i>	1.99	
	<i>For &gt;100 To 250, Add</i>	0.94	
	<i>For &gt;250 To 500, Add</i>	0.40	

**09 97 13 23-0066 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats For Structural Steel** (09 97 13 23-0022)

09 97 13 23-0067	SF Spray Type 1 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats .....	4.06	
	<i>For Up To 100, Add</i>	2.44	
	<i>For &gt;100 To 250, Add</i>	1.17	
	<i>For &gt;250 To 500, Add</i>	0.51	
09 97 13 23-0068	SF Spray Type 2 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats .....	2.96	
	<i>For Up To 100, Add</i>	1.67	
	<i>For &gt;100 To 250, Add</i>	0.81	
	<i>For &gt;250 To 500, Add</i>	0.35	
09 97 13 23-0069	SF Spray Type 3 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats .....	2.62	
	<i>For Up To 100, Add</i>	1.41	
	<i>For &gt;100 To 250, Add</i>	0.69	
	<i>For &gt;250 To 500, Add</i>	0.30	
09 97 13 23-0070	SF Spray Up To 14" Diameter Pipe 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats .....	4.60	
	<i>For Up To 100, Add</i>	2.83	
	<i>For &gt;100 To 250, Add</i>	1.35	
	<i>For &gt;250 To 500, Add</i>	0.59	
09 97 13 23-0071	SF Spray Type 1 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats .....	2.85	
	<i>For Up To 100, Add</i>	1.71	
	<i>For &gt;100 To 250, Add</i>	0.82	
	<i>For &gt;250 To 500, Add</i>	0.36	
09 97 13 23-0072	SF Spray Type 2 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats .....	2.07	
	<i>For Up To 100, Add</i>	1.17	
	<i>For &gt;100 To 250, Add</i>	0.56	
	<i>For &gt;250 To 500, Add</i>	0.25	
09 97 13 23-0073	SF Spray Type 3 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats .....	1.83	
	<i>For Up To 100, Add</i>	0.99	
	<i>For &gt;100 To 250, Add</i>	0.48	
	<i>For &gt;250 To 500, Add</i>	0.21	
09 97 13 23-0074	SF Spray Up To 14" Diameter Pipe Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats .....	3.22	
	<i>For Up To 100, Add</i>	1.98	
	<i>For &gt;100 To 250, Add</i>	0.94	
	<i>For &gt;250 To 500, Add</i>	0.41	

**09 97 13 23-0075 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats For Structural Steel** (09 97 13 23-0022)

09 97 13 23-0076	SF Spray Type 1 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats .....	4.34	
	<i>For Up To 100, Add</i>	2.48	
	<i>For &gt;100 To 250, Add</i>	1.20	
	<i>For &gt;250 To 500, Add</i>	0.52	
09 97 13 23-0077	SF Spray Type 2 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats .....	3.21	
	<i>For Up To 100, Add</i>	1.71	
	<i>For &gt;100 To 250, Add</i>	0.83	
	<i>For &gt;250 To 500, Add</i>	0.36	
09 97 13 23-0078	SF Spray Type 3 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats .....	2.87	
	<i>For Up To 100, Add</i>	1.45	
	<i>For &gt;100 To 250, Add</i>	0.71	
	<i>For &gt;250 To 500, Add</i>	0.31	
09 97 13 23-0079	SF Spray Up To 14" Diameter Pipe 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats .....	4.90	
	<i>For Up To 100, Add</i>	2.87	
	<i>For &gt;100 To 250, Add</i>	1.38	
	<i>For &gt;250 To 500, Add</i>	0.60	
09 97 13 23-0080	SF Spray Type 1 Structural Steel Two 6 Mil High Build Epoxy Finish Coats.....	3.56	
	<i>For Up To 100, Add</i>	2.03	
	<i>For &gt;100 To 250, Add</i>	0.98	
	<i>For &gt;250 To 500, Add</i>	0.43	
09 97 13 23-0081	SF Spray Type 2 Structural Steel Two 6 Mil High Build Epoxy Finish Coats.....	2.63	
	<i>For Up To 100, Add</i>	1.40	
	<i>For &gt;100 To 250, Add</i>	0.68	
	<i>For &gt;250 To 500, Add</i>	0.30	
09 97 13 23-0082	SF Spray Type 3 Structural Steel Two 6 Mil High Build Epoxy Finish Coats.....	2.35	
	<i>For Up To 100, Add</i>	1.19	
	<i>For &gt;100 To 250, Add</i>	0.58	
	<i>For &gt;250 To 500, Add</i>	0.26	
09 97 13 23-0083	SF Spray Up To 14" Diameter Pipe Two 6 Mil High Build Epoxy Finish Coats .....	4.02	
	<i>For Up To 100, Add</i>	2.36	
	<i>For &gt;100 To 250, Add</i>	1.13	
	<i>For &gt;250 To 500, Add</i>	0.49	

**09 97 13 23-0084 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats For Structural Steel** (09 97 13 23-0022)

**09 Finishes**

**09 90 Painting and Coating**

**09 97 Special Coatings**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 97 13 23-0085	SF Spray Type 1 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats.....	9.09	
	For Up To 100, Add	5.33	
	For >100 To 250, Add	2.56	
	For >250 To 500, Add	1.12	
09 97 13 23-0086	SF Spray Type 2 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats.....	6.88	
	For Up To 100, Add	3.83	
	For >100 To 250, Add	1.85	
	For >250 To 500, Add	0.81	
09 97 13 23-0087	SF Spray Type 3 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats.....	6.63	
	For Up To 100, Add	3.64	
	For >100 To 250, Add	1.77	
	For >250 To 500, Add	0.77	
09 97 13 23-0088	SF Spray Up To 14" Diameter Pipe 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats.....	10.59	
	For Up To 100, Add	6.42	
	For >100 To 250, Add	3.07	
	For >250 To 500, Add	1.34	
<b>09 97 13 23-0089 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats For Structural Steel (09 97 13 23-0022)</b>			
09 97 13 23-0090	SF Spray Type 1 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	4.77	
	For Up To 100, Add	2.59	
	For >100 To 250, Add	1.26	
	For >250 To 500, Add	0.55	
09 97 13 23-0091	SF Spray Type 2 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	3.75	
	For Up To 100, Add	1.83	
	For >100 To 250, Add	0.91	
	For >250 To 500, Add	0.40	
09 97 13 23-0092	SF Spray Type 3 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	3.58	
	For Up To 100, Add	1.71	
	For >100 To 250, Add	0.85	
	For >250 To 500, Add	0.37	
09 97 13 23-0093	SF Spray Up To 14" Diameter Pipe 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	5.42	
	For Up To 100, Add	3.05	
	For >100 To 250, Add	1.47	
	For >250 To 500, Add	0.64	
09 97 13 23-0094	SF Spray Type 1 Structural Steel Two 4 Mil High Build Vinyl Finish Coats.....	3.78	
	For Up To 100, Add	2.06	
	For >100 To 250, Add	1.00	
	For >250 To 500, Add	0.44	
09 97 13 23-0095	SF Spray Type 2 Structural Steel Two 4 Mil High Build Vinyl Finish Coats.....	2.97	
	For Up To 100, Add	1.45	
	For >100 To 250, Add	0.72	
	For >250 To 500, Add	0.32	
09 97 13 23-0096	SF Spray Type 3 Structural Steel Two 4 Mil High Build Vinyl Finish Coats.....	2.83	
	For Up To 100, Add	1.35	
	For >100 To 250, Add	0.67	
	For >250 To 500, Add	0.30	
09 97 13 23-0097	SF Spray Up To 14" Diameter Pipe Two 4 Mil High Build Vinyl Finish Coats.....	4.29	
	For Up To 100, Add	2.41	
	For >100 To 250, Add	1.17	
	For >250 To 500, Add	0.51	
<b>09 97 13 23-0098 Two 8 Mil Coal Tar Epoxy Coats For Structural Steel (09 97 13 23-0022)</b>			
09 97 13 23-0099	SF Spray Type 1 Structural Steel Two 8 Mil Coal Tar Epoxy Coats.....	4.06	
	For Up To 100, Add	2.49	
	For >100 To 250, Add	1.19	
	For >250 To 500, Add	0.52	
09 97 13 23-0100	SF Spray Type 2 Structural Steel Two 8 Mil Coal Tar Epoxy Coats.....	3.31	
	For Up To 100, Add	1.97	
	For >100 To 250, Add	0.95	
	For >250 To 500, Add	0.41	
09 97 13 23-0101	SF Spray Type 3 Structural Steel Two 8 Mil Coal Tar Epoxy Coats.....	3.05	
	For Up To 100, Add	1.78	
	For >100 To 250, Add	0.86	
	For >250 To 500, Add	0.37	
09 97 13 23-0102	SF Spray Up To 14" Diameter Pipe Two 8 Mil Coal Tar Epoxy Coats.....	5.03	
	For Up To 100, Add	3.20	
	For >100 To 250, Add	1.52	
	For >250 To 500, Add	0.66	
<b>09 97 13 23-0103 One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat For Structural Steel (09 97 13 23-0022)</b>			
09 97 13 23-0104	SF Spray Type 1 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	3.92	
	For Up To 100, Add	2.52	
	For >100 To 250, Add	1.20	
	For >250 To 500, Add	0.52	
09 97 13 23-0105	SF Spray Type 2 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	2.78	
	For Up To 100, Add	1.69	
	For >100 To 250, Add	0.81	
	For >250 To 500, Add	0.35	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 97 13 23-0106	SF	Spray Type 3 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	2.36	
		For Up To 100, Add	1.37	
		For >100 To 250, Add	0.66	
		For >250 To 500, Add	0.29	
09 97 13 23-0107	SF	Spray Up To 14" Diameter Pipe One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	4.48	
		For Up To 100, Add	2.91	
		For >100 To 250, Add	1.38	
		For >250 To 500, Add	0.60	
09 97 13 23-0108		<b>One 3 Mil High Zinc Silicate Coat For Structural Steel</b> <small>(09 97 13 23-0022)</small>		
09 97 13 23-0109	SF	Spray Type 1 Structural Steel One 3 Mil High Zinc Silicate Coat.....	2.10	
		For Up To 100, Add	1.13	
		For >100 To 250, Add	0.55	
		For >250 To 500, Add	0.24	
09 97 13 23-0110	SF	Spray Type 2 Structural Steel One 3 Mil High Zinc Silicate Coat.....	1.52	
		For Up To 100, Add	0.74	
		For >100 To 250, Add	0.36	
		For >250 To 500, Add	0.16	
09 97 13 23-0111	SF	Spray Type 3 Structural Steel One 3 Mil High Zinc Silicate Coat.....	1.44	
		For Up To 100, Add	0.68	
		For >100 To 250, Add	0.34	
		For >250 To 500, Add	0.15	
09 97 13 23-0112	SF	Spray Up To 14" Diameter Pipe One 3 Mil High Zinc Silicate Coat.....	2.20	
		For Up To 100, Add	1.19	
		For >100 To 250, Add	0.58	
		For >250 To 500, Add	0.25	
09 97 13 23-0113		<b>Two 1.5 Mil Vinyl Enamel Finish Coats For Structural Steel</b> <small>(09 97 13 23-0022)</small>		
		Note: Installed over existing primer.		
09 97 13 23-0114	SF	Spray Type 1 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats.....	3.24	
		For Up To 100, Add	1.91	
		For >100 To 250, Add	0.92	
		For >250 To 500, Add	0.40	
09 97 13 23-0115	SF	Spray Type 2 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats.....	2.64	
		For Up To 100, Add	1.51	
		For >100 To 250, Add	0.73	
		For >250 To 500, Add	0.32	
09 97 13 23-0116	SF	Spray Type 3 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats.....	2.31	
		For Up To 100, Add	1.26	
		For >100 To 250, Add	0.61	
		For >250 To 500, Add	0.27	
09 97 13 23-0117	SF	Spray Up To 14" Diameter Pipe Two 1.5 Mil Vinyl Enamel Finish Coats.....	3.77	
		For Up To 100, Add	2.30	
		For >100 To 250, Add	1.10	
		For >250 To 500, Add	0.48	
09 97 13 24		<b>Steel Water Storage Tank Painting</b> <small>(09 97 13)</small>		
09 97 13 24-0001		<b>Surface Preparation For Tanks</b> <small>(09 97 13 24)</small>		
		Note: Small pressure vessels and tanks - up to 12' diameter, large pressure vessels and tanks - over 12' diameter, tank interiors - over 6' diameter.		
09 97 13 24-0002		<b>SSPC SP2 Or 3 Hand Or Power Tool Cleaning Surface Preparation For Tanks</b> <small>(09 97 13 24-0001)</small>		
09 97 13 24-0003	SF	Small Vessel/Tank SP2/3 Hand Or Power Tool Cleaning Surface Preparation.....	1.61	
		For Up To 100, Add	1.21	
		For >100 To 250, Add	0.56	
		For >250 To 500, Add	0.24	
09 97 13 24-0004	SF	Large Vessel/Tank SP2/3 Hand Or Power Tool Cleaning Surface Preparation.....	1.43	
		For Up To 100, Add	1.07	
		For >100 To 250, Add	0.50	
		For >250 To 500, Add	0.21	
09 97 13 24-0005	SF	Vessel/Tank Interior SP2/3 Hand Or Power Tool Cleaning Surface Preparation.....	2.02	
		For Up To 100, Add	1.52	
		For >100 To 250, Add	0.71	
		For >250 To 500, Add	0.30	
09 97 13 24-0006		<b>SSPC SP7 Brush Off Blast Cleaning Surface Preparation For Tanks</b> <small>(09 97 13 24-0001)</small>		
09 97 13 24-0007	SF	Small Vessel/Tank SP7 Brush Off Blast Cleaning Surface Preparation.....	0.92	
		For Up To 100, Add	0.63	
		For >100 To 250, Add	0.30	
		For >250 To 500, Add	0.13	
09 97 13 24-0008	SF	Large Vessel/Tank SP7 Brush Off Blast Cleaning Surface Preparation.....	0.74	
		For Up To 100, Add	0.51	
		For >100 To 250, Add	0.24	
		For >250 To 500, Add	0.10	
09 97 13 24-0009	SF	Vessel/Tank Interior SP7 Brush Off Blast Cleaning Surface Preparation.....	1.28	
		For Up To 100, Add	0.92	
		For >100 To 250, Add	0.43	
		For >250 To 500, Add	0.19	

**09 Finishes**

**09 90 Painting and Coating**

**09 97 Special Coatings**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>09 97 13 24-0010</b>		<b>SSPC SP6 Commercial Blast Cleaning Surface Preparation For Tanks</b> <small>(09 97 13 24-0001)</small>	
09 97 13 24-0011	SF	Small Vessel/Tank SP6 Commercial Blast Cleaning Surface Preparation.....	2.25
		For Up To 100, Add	1.56
		For >100 To 250, Add	0.74
		For >250 To 500, Add	0.32
09 97 13 24-0012	SF	Large Vessel/Tank SP6 Commercial Blast Cleaning Surface Preparation .....	2.07
		For Up To 100, Add	1.43
		For >100 To 250, Add	0.67
		For >250 To 500, Add	0.29
09 97 13 24-0013	SF	Vessel/Tank Interior SP6 Commercial Blast Cleaning Surface Preparation .....	3.00
		For Up To 100, Add	2.12
		For >100 To 250, Add	1.00
		For >250 To 500, Add	0.43
<b>09 97 13 24-0014</b>		<b>SSPC SP5 White Metal Blast Cleaning Surface Preparation For Tanks</b> <small>(09 97 13 24-0001)</small>	
09 97 13 24-0015	SF	Small Vessel/Tank SP5 White Metal Blast Cleaning Surface Preparation.....	4.07
		For Up To 100, Add	2.84
		For >100 To 250, Add	1.34
		For >250 To 500, Add	0.58
09 97 13 24-0016	SF	Large Vessel/Tank SP5 White Metal Blast Cleaning Surface Preparation.....	3.88
		For Up To 100, Add	2.70
		For >100 To 250, Add	1.27
		For >250 To 500, Add	0.55
09 97 13 24-0017	SF	Vessel/Tank Interior SP5 White Metal Blast Cleaning Surface Preparation.....	5.65
		For Up To 100, Add	4.03
		For >100 To 250, Add	1.89
		For >250 To 500, Add	0.81
<b>09 97 13 24-0018</b>		<b>SSPC SP10 Near White Metal Blast Cleaning Surface Preparation For Tanks</b> <small>(09 97 13 24-0001)</small>	
09 97 13 24-0019	SF	Small Vessel/Tank SP10 Near White Metal Blast Cleaning Surface Preparation .....	3.25
		For Up To 100, Add	2.28
		For >100 To 250, Add	1.07
		For >250 To 500, Add	0.46
09 97 13 24-0020	SF	Large Vessel/Tank SP10 Near White Metal Blast Cleaning Surface Preparation .....	3.25
		For Up To 100, Add	2.28
		For >100 To 250, Add	1.07
		For >250 To 500, Add	0.46
09 97 13 24-0021	SF	Vessel/Tank Interior SP10 Near White Metal Blast Cleaning Surface Preparation .....	4.74
		For Up To 100, Add	3.39
		For >100 To 250, Add	1.59
		For >250 To 500, Add	0.68
<b>09 97 13 24-0022</b>		<b>Protective Coatings For Tanks</b> <small>(09 97 13 24)</small>	
Note: Small pressure vessels and tanks - up to 12' diameter, large pressure vessels and tanks - over 12' diameter, tank interiors - over 6' diameter.			
<b>09 97 13 24-0023</b>		<b>1.5 Mil Prime Coat For Tanks</b> <small>(09 97 13 24-0022)</small>	
09 97 13 24-0024	SF	Spray Small Vessel/Tank 1.5 Mil Prime Coat .....	0.64
		For Up To 100, Add	0.40
		For >100 To 250, Add	0.19
		For >250 To 500, Add	0.08
09 97 13 24-0025	SF	Spray Large Vessel/Tank 1.5 Mil Prime Coat .....	0.52
		For Up To 100, Add	0.31
		For >100 To 250, Add	0.15
		For >250 To 500, Add	0.07
09 97 13 24-0026	SF	Spray Tank Interior 1.5 Mil Prime Coat .....	1.24
		For Up To 100, Add	0.85
		For >100 To 250, Add	0.40
		For >250 To 500, Add	0.17
09 97 13 24-0027	SF	Brush Small Vessel/Tank 1.5 Mil Prime Coat .....	0.89
		For Up To 100, Add	0.59
		For >100 To 250, Add	0.28
		For >250 To 500, Add	0.12
09 97 13 24-0028	SF	Brush Large Vessel/Tank 1.5 Mil Prime Coat .....	0.71
		For Up To 100, Add	0.45
		For >100 To 250, Add	0.22
		For >250 To 500, Add	0.09
09 97 13 24-0029	SF	Brush Tank Interior 1.5 Mil Prime Coat .....	1.78
		For Up To 100, Add	1.26
		For >100 To 250, Add	0.59
		For >250 To 500, Add	0.25
<b>09 97 13 24-0030</b>		<b>1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats For Tanks</b> <small>(09 97 13 24-0022)</small>	
09 97 13 24-0031	SF	Spray Small Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats .....	1.88
		For Up To 100, Add	1.15
		For >100 To 250, Add	0.55
		For >250 To 500, Add	0.24
09 97 13 24-0032	SF	Spray Large Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats .....	1.45
		For Up To 100, Add	0.82
		For >100 To 250, Add	0.40
		For >250 To 500, Add	0.17



		MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0033	SF	Spray Tank Interior 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats .....	3.49	
		For Up To 100, Add	2.35	
		For >100 To 250, Add	1.11	
		For >250 To 500, Add	0.48	
09 97 13 24-0034	SF	Spray Small Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	1.42	
		For Up To 100, Add	0.87	
		For >100 To 250, Add	0.41	
		For >250 To 500, Add	0.18	
09 97 13 24-0035	SF	Spray Large Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats .....	1.10	
		For Up To 100, Add	0.63	
		For >100 To 250, Add	0.30	
		For >250 To 500, Add	0.13	
09 97 13 24-0036	SF	Spray Tank Interior 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats .....	2.62	
		For Up To 100, Add	1.77	
		For >100 To 250, Add	0.83	
		For >250 To 500, Add	0.36	
09 97 13 24-0037	SF	Brush Small Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	2.81	
		For Up To 100, Add	1.84	
		For >100 To 250, Add	0.87	
		For >250 To 500, Add	0.38	
09 97 13 24-0038	SF	Brush Large Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	2.11	
		For Up To 100, Add	1.32	
		For >100 To 250, Add	0.63	
		For >250 To 500, Add	0.27	
09 97 13 24-0039	SF	Brush Tank Interior 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats .....	5.46	
		For Up To 100, Add	3.83	
		For >100 To 250, Add	1.80	
		For >250 To 500, Add	0.78	
09 97 13 24-0040	SF	Brush Small Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	2.11	
		For Up To 100, Add	1.38	
		For >100 To 250, Add	0.66	
		For >250 To 500, Add	0.28	
09 97 13 24-0041	SF	Brush Large Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats .....	1.59	
		For Up To 100, Add	0.99	
		For >100 To 250, Add	0.47	
		For >250 To 500, Add	0.21	
09 97 13 24-0042	SF	Brush Tank Interior 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats .....	4.09	
		For Up To 100, Add	2.87	
		For >100 To 250, Add	1.35	
		For >250 To 500, Add	0.58	
<b>09 97 13 24-0043</b>		<b>Touch-Up And Two 1.5 Mil Alkyd Finish Coats For Tanks (09 97 13 24-0022)</b>		
09 97 13 24-0044	SF	Spray Small Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	1.68	
		For Up To 100, Add	1.07	
		For >100 To 250, Add	0.51	
		For >250 To 500, Add	0.22	
09 97 13 24-0045	SF	Spray Large Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	1.43	
		For Up To 100, Add	0.88	
		For >100 To 250, Add	0.42	
		For >250 To 500, Add	0.18	
09 97 13 24-0046	SF	Spray Tank Interior Touch-Up And Two 1.5 Mil Alkyd Finish Coats .....	3.63	
		For Up To 100, Add	2.53	
		For >100 To 250, Add	1.19	
		For >250 To 500, Add	0.51	
09 97 13 24-0047	SF	Spray Small Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.07	
		For Up To 100, Add	0.68	
		For >100 To 250, Add	0.32	
		For >250 To 500, Add	0.14	
09 97 13 24-0048	SF	Spray Large Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat .....	0.90	
		For Up To 100, Add	0.56	
		For >100 To 250, Add	0.27	
		For >250 To 500, Add	0.12	
09 97 13 24-0049	SF	Spray Tank Interior Touch-Up And One 1.5 Mil Alkyd Finish Coats .....	2.32	
		For Up To 100, Add	1.62	
		For >100 To 250, Add	0.76	
		For >250 To 500, Add	0.33	
09 97 13 24-0050	SF	Brush Small Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	2.35	
		For Up To 100, Add	1.57	
		For >100 To 250, Add	0.74	
		For >250 To 500, Add	0.32	
09 97 13 24-0051	SF	Brush Large Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	1.97	
		For Up To 100, Add	1.29	
		For >100 To 250, Add	0.61	
		For >250 To 500, Add	0.26	
09 97 13 24-0052	SF	Brush Tank Interior Touch-Up And Two 1.5 Mil Alkyd Finish Coats .....	5.64	
		For Up To 100, Add	4.11	
		For >100 To 250, Add	1.92	
		For >250 To 500, Add	0.83	
09 97 13 24-0053	SF	Brush Small Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.51	
		For Up To 100, Add	1.01	
		For >100 To 250, Add	0.48	
		For >250 To 500, Add	0.21	
09 97 13 24-0054	SF	Brush Large Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat .....	1.26	
		For Up To 100, Add	0.83	
		For >100 To 250, Add	0.39	
		For >250 To 500, Add	0.17	

**09 Finishes****09 90 Painting and Coating****09 97 Special Coatings**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

09 97 13 24-0055	SF	Brush Tank Interior Touch-Up And One 1.5 Mil Alkyd Finish Coats.....	3.68	
		For Up To 100, Add	2.64	
		For >100 To 250, Add	1.24	
		For >250 To 500, Add	0.53	
<b>09 97 13 24-0056</b>		<b>2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats For Tanks</b>		
		(09 97 13 24-0022)		
09 97 13 24-0057	SF	Spray Small Vessel/Tank 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats .....	2.42	
		For Up To 100, Add	1.28	
		For >100 To 250, Add	0.62	
		For >250 To 500, Add	0.27	
09 97 13 24-0058	SF	Spray Large Vessel/Tank 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats.....	2.08	
		For Up To 100, Add	1.03	
		For >100 To 250, Add	0.51	
		For >250 To 500, Add	0.22	
09 97 13 24-0059	SF	Spray Small Vessel/Tank Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats .....	1.69	
		For Up To 100, Add	0.90	
		For >100 To 250, Add	0.44	
		For >250 To 500, Add	0.19	
09 97 13 24-0060	SF	Spray Large Vessel/Tank Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats .....	1.45	
		For Up To 100, Add	0.72	
		For >100 To 250, Add	0.35	
		For >250 To 500, Add	0.16	
<b>09 97 13 24-0061</b>		<b>2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats For Tanks</b>		
		(09 97 13 24-0022)		
09 97 13 24-0062	SF	Spray Small Vessel/Tank 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats .....	2.67	
		For Up To 100, Add	1.32	
		For >100 To 250, Add	0.65	
		For >250 To 500, Add	0.29	
09 97 13 24-0063	SF	Spray Large Vessel/Tank 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats.....	2.33	
		For Up To 100, Add	1.06	
		For >100 To 250, Add	0.53	
		For >250 To 500, Add	0.24	
09 97 13 24-0064	SF	Spray Small Vessel/Tank Two 6 Mil High Build Epoxy Finish Coats.....	2.18	
		For Up To 100, Add	1.08	
		For >100 To 250, Add	0.53	
		For >250 To 500, Add	0.23	
09 97 13 24-0065	SF	Spray Large Vessel/Tank Two 6 Mil High Build Epoxy Finish Coats .....	1.90	
		For Up To 100, Add	0.87	
		For >100 To 250, Add	0.43	
		For >250 To 500, Add	0.19	
<b>09 97 13 24-0066</b>		<b>1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats For Tanks</b>		
		(09 97 13 24-0022)		
09 97 13 24-0067	SF	Spray Small Vessel/Tank 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats .....	6.40	
		For Up To 100, Add	3.50	
		For >100 To 250, Add	1.70	
		For >250 To 500, Add	0.74	
09 97 13 24-0068	SF	Spray Large Vessel/Tank 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats .....	5.89	
		For Up To 100, Add	3.12	
		For >100 To 250, Add	1.52	
		For >250 To 500, Add	0.67	
09 97 13 24-0069	SF	Spray Tank Interior 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats.....	9.79	
		For Up To 100, Add	6.05	
		For >100 To 250, Add	2.89	
		For >250 To 500, Add	1.25	
<b>09 97 13 24-0070</b>		<b>1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats For Tanks</b>		
		(09 97 13 24-0022)		
09 97 13 24-0071	SF	Spray Small Vessel/Tank 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	3.35	
		For Up To 100, Add	1.64	
		For >100 To 250, Add	0.81	
		For >250 To 500, Add	0.36	
09 97 13 24-0072	SF	Spray Large Vessel/Tank 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats .....	2.98	
		For Up To 100, Add	1.37	
		For >100 To 250, Add	0.68	
		For >250 To 500, Add	0.30	
09 97 13 24-0073	SF	Spray Tank Interior 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	5.01	
		For Up To 100, Add	2.89	
		For >100 To 250, Add	1.39	
		For >250 To 500, Add	0.61	
09 97 13 24-0074	SF	Spray Small Vessel/Tank Two 4 Mil High Build Vinyl Finish Coats.....	2.64	
		For Up To 100, Add	1.30	
		For >100 To 250, Add	0.64	
		For >250 To 500, Add	0.28	
09 97 13 24-0075	SF	Spray Large Vessel/Tank Two 4 Mil High Build Vinyl Finish Coats.....	2.35	
		For Up To 100, Add	1.08	
		For >100 To 250, Add	0.54	
		For >250 To 500, Add	0.24	
09 97 13 24-0076	SF	Spray Tank Interior Two 4 Mil High Build Vinyl Finish Coats .....	3.95	
		For Up To 100, Add	2.28	
		For >100 To 250, Add	1.10	
		For >250 To 500, Add	0.48	

	MINOR	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
	CSI		UNIT COST	UNIT COST

<b>09 97 13 24-0077</b>	<b>Two 8 Mil Coal Tar Epoxy Coats For Tanks</b> <small>(09 97 13 24-0022)</small>			
09 97 13 24-0078	SF Spray Small Vessel/Tank Two 8 Mil Coal Tar Epoxy Coats.....		3.02	
	For Up To 100, Add		1.77	
	For >100 To 250, Add		0.85	
	For >250 To 500, Add		0.37	
09 97 13 24-0079	SF Spray Large Vessel/Tank Two 8 Mil Coal Tar Epoxy Coats .....		2.52	
	For Up To 100, Add		1.40	
	For >100 To 250, Add		0.68	
	For >250 To 500, Add		0.30	
09 97 13 24-0080	SF Spray Tank Interior Two 8 Mil Coal Tar Epoxy Coats.....		3.87	
	For Up To 100, Add		2.41	
	For >100 To 250, Add		1.15	
	For >250 To 500, Add		0.50	

<b>09 97 13 24-0081</b>	<b>One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat For Tanks</b> <small>(09 97 13 24-0022)</small>			
09 97 13 24-0082	SF Spray Small Vessel/Tank One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....		2.08	
	For Up To 100, Add		1.18	
	For >100 To 250, Add		0.57	
	For >250 To 500, Add		0.25	
09 97 13 24-0083	SF Spray Large Vessel/Tank One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....		1.91	
	For Up To 100, Add		1.05	
	For >100 To 250, Add		0.51	
	For >250 To 500, Add		0.22	
09 97 13 24-0084	SF Spray Tank Interior One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....		3.18	
	For Up To 100, Add		2.00	
	For >100 To 250, Add		0.95	
	For >250 To 500, Add		0.41	

<b>09 97 13 24-0085</b>	<b>Two 6 Mil High Build Epoxy Finish Coats For Tanks Interior</b> <small>(09 97 13 24-0022)</small>			
09 97 13 24-0086	SF Spray Small Tank Interior Two 6 Mil High Build Epoxy Finish Coats.....		4.60	
	For Up To 100, Add		2.72	
	For >100 To 250, Add		1.31	
	For >250 To 500, Add		0.57	
09 97 13 24-0087	SF Spray Large Tank Interior Two 6 Mil High Build Epoxy Finish Coats.....		2.80	
	For Up To 100, Add		1.44	
	For >100 To 250, Add		0.71	
	For >250 To 500, Add		0.31	

<b>09 97 13 24-0088</b>	<b>One 3 Mil High Zinc Silicate Coat For Tanks</b> <small>(09 97 13 24-0022)</small>			
09 97 13 24-0089	SF Spray Small Vessel/Tank One 3 Mil High Zinc Silicate Coat.....		1.33	
	For Up To 100, Add		0.61	
	For >100 To 250, Add		0.30	
	For >250 To 500, Add		0.13	
09 97 13 24-0090	SF Spray Large Vessel/Tank One 3 Mil High Zinc Silicate Coat.....		1.29	
	For Up To 100, Add		0.58	
	For >100 To 250, Add		0.29	
	For >250 To 500, Add		0.13	
09 97 13 24-0091	SF Spray Tank Interior One 3 Mil High Zinc Silicate Coat.....		2.09	
	For Up To 100, Add		1.18	
	For >100 To 250, Add		0.57	
	For >250 To 500, Add		0.25	

<b>09 97 13 24-0092</b>	<b>Two 1.5 Mil Vinyl Enamel Finish Coats For Tanks</b> <small>(09 97 13 24-0022)</small>			
	Note: Installed over existing primer.			
09 97 13 24-0093	SF Spray Small Vessel/Tank Two 1.5 Mil Vinyl Enamel Finish Coats.....		2.19	
	For Up To 100, Add		1.19	
	For >100 To 250, Add		0.58	
	For >250 To 500, Add		0.25	
09 97 13 24-0094	SF Spray Large Vessel/Tank Two 1.5 Mil Vinyl Enamel Finish Coats.....		1.94	
	For Up To 100, Add		1.01	
	For >100 To 250, Add		0.49	
	For >250 To 500, Add		0.22	
09 97 13 24-0095	SF Spray Tank Interior Two 1.5 Mil Vinyl Enamel Finish Coats .....		3.04	
	For Up To 100, Add		1.83	
	For >100 To 250, Add		0.88	
	For >250 To 500, Add		0.38	

<b>09 97 13 24-0096</b>	<b>One 1 Mil Primer And 95 Mil Hot Coal Tar Enamel Finish Coat For Tanks</b> <small>(09 97 13 24-0022)</small>			
09 97 13 24-0097	SF Spray/Mop Large Vessel/Tank One 1 Mil Primer And 95 Mil Hot Coal Tar Enamel Finish Coat.....		7.98	
	For Up To 100, Add		5.06	
	For >100 To 250, Add		2.41	
	For >250 To 500, Add		1.04	

<b>09 97 26</b>	<b>Cementitious Coatings</b> <small>(09 97)</small>			
<b>09 97 26 13</b>	<b>Interior Cementitious Coatings</b> <small>(09 97 26)</small>			
09 97 26 13-0001	Ceramic-Like Glazed Coating <small>(09 97 26 13)</small>			

**09 Finishes**

**09 90 Painting and Coating**

**09 97 Special Coatings**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

09 97 26 13-0002		Ceramic-Like Glazed Coating, Cementitious <small>(09 97 26 13-0001)</small>	
09 97 26 13-0003	SF	Ceramic-like Glazed Coating. - Cementitious .....	2.89
09 97 26 13-0004		Ceramic-Like Glazed Coating, Resin Base <small>(09 97 26 13-0001)</small>	
09 97 26 13-0005	SF	Ceramic-like Glazed Coating - Resin .....	2.44
<b>09 97 35</b>		<b>Dry Erase Coatings</b> <small>(09 97)</small>	
09 97 35 00-0001		Dry-Erase Paint <small>(09 97 35)</small>	
09 97 35 00-0002		Dry-Erase Paint (IdeaPaint™ PRO) <small>(09 97 35 00-0001)</small>	
09 97 35 00-0003	SF	Dry-Erase Paint (IdeaPaint™ PRO), Applied With Roller .....	11.06
		Note: Includes two coats of primer and white, white sand, light beige or light gray surface.	
09 97 35 00-0004		Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE) <small>(09 97 35 00-0001)</small>	
09 97 35 00-0005	SF	Clear, Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE), Applied With Roller .....	5.99
		Note: For application over existing latex-based top coats.	
09 97 35 00-0006	SF	Black Or White, Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE), Applied With Roller .....	11.77
		Note: Includes two coats of primer and white or black surface coat.	
<b>09 97 63</b>		<b>Special Coatings and Protection Systems</b> <small>(09 97)</small>	
09 97 63 00-0001		Acrylic Glazed Coating <small>(09 97 63)</small>	
09 97 63 00-0002	SF	Acrylic Glazed Coating .....	1.89

**END OF SECTION 09**

<b>Specialties</b>	<b>10</b>
<b>Operation and Maintenance of Specialties</b>	<b>10 01</b>
<b>Operation and Maintenance of Safety Specialties</b>	<b>10 01 40</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 Specialties

10 01 Operation and Maintenance of Specialties<sup>(10)</sup>

10 01 40 Operation and Maintenance of Safety Specialties<sup>(10 01)</sup>

10 01 40 00-0001	Recharge Existing Portable Fire Extinguishers <sup>(10 01 40)</sup>		
	Note: Includes removal, filling, testing, certification and reinstallation.		
10 01 40 00-0002	Recharge Carbon Dioxide, Class BC Portable Fire Extinguishers <sup>(10 01 40 00-0001)</sup>		
10 01 40 00-0003	EA Recharge 2.5 LB Carbon Dioxide Portable Fire Extinguisher .....	14.49	
10 01 40 00-0004	EA Recharge 5 LB Carbon Dioxide Portable Fire Extinguisher .....	16.10	
10 01 40 00-0005	EA Recharge 10 LB Carbon Dioxide Portable Fire Extinguisher .....	16.74	
10 01 40 00-0006	EA Recharge 15 LB Carbon Dioxide Portable Fire Extinguisher .....	18.95	
10 01 40 00-0007	EA Recharge 20 LB Carbon Dioxide Portable Fire Extinguisher .....	21.89	
10 01 40 00-0008	Recharge Dry Chemical, Class ABC Portable Fire Extinguishers <sup>(10 01 40 00-0001)</sup>		
10 01 40 00-0009	EA Recharge 2.5 LB Dry Chemical Portable Fire Extinguisher .....	17.48	
10 01 40 00-0010	EA Recharge 5 LB Dry Chemical Portable Fire Extinguisher .....	21.16	
10 01 40 00-0011	EA Recharge 10 LB Dry Chemical Portable Fire Extinguisher .....	29.90	
10 01 40 00-0012	EA Recharge 20 LB Dry Chemical Portable Fire Extinguisher .....	47.19	
10 01 40 00-0013	Recharge Other Portable Fire Extinguishers <sup>(10 01 40 00-0001)</sup>		
10 01 40 00-0014	EA Recharge 2.5 Gallon Pressurized Water Portable Fire Extinguisher .....	17.30	
10 01 40 00-0015	EA Recharge 1.6 Gallon Wet Chemical Class K Fire Extinguisher.....	123.27	
10 01 40 00-0016	EA Recharge 2.5 Gallon Wet Chemical Class K Fire Extinguisher.....	172.58	
10 01 40 00-0017	EA Recharge 30 LB Dry Powder Class D Portable Fire Extinguisher.....	71.05	

10 01 50 Operation and Maintenance of Storage Specialties<sup>(10 01)</sup>

10 01 50 11 Operation and Maintenance of Storage Specialties<sup>(10 01 50)</sup>

10 01 50 11-0001	Locker Repair And Refinishing <sup>(10 01 50 11)</sup>		
10 01 50 11-0002	EA Removal And Replacement Of Single Tier Locker Door.....	375.14	
10 01 50 11-0003	EA Removal And Replacement Of Two Tier Locker Door .....	294.84	
10 01 50 11-0004	EA Removal And Replacement Of Three Tier Locker Door .....	252.33	
10 01 50 11-0005	EA Removal And Replacement Of Four Tier Locker Door .....	212.50	
10 01 50 11-0006	EA Removal And Replacement Of Six Tier Or Sixteen Person Locker Door.....	115.84	
10 01 50 11-0007	EA Realign Metal Locker Door For Proper Closure .....	39.67	
10 01 50 11-0008	EA Patch Small Drill Holes In Locker.....	7.93	

10 10 Information Specialties<sup>(10)</sup>

10 11 Visual Display Units<sup>(10 10)</sup>

10 11 13 Chalkboards<sup>(10 11)</sup>

10 11 13 13 Fixed Chalkboards<sup>(10 11 13)</sup>

Note: Select task based off the square footage of an individual chalkboard. For example use the >12 To 16 SF range for each 3' x 5' chalkboard.

10 11 13 13-0001	Porcelain Enamel Steel Chalkboards <sup>(10 11 13 13)</sup>		
10 11 13 13-0002	5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboards (Claridge 800 Series) <sup>(10 11 13 13-0001)</sup>		
	Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, chalk tray and mounting hardware.		
10 11 13 13-0003	SF Up To 6 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard.....	42.94	9.44
	For >3 To 9, Deduct	-1.80	
	For >9, Deduct	-3.73	
10 11 13 13-0004	SF >6 To 12 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard .....	26.75	4.44
	For >3 To 9, Deduct	-1.34	
	For >9, Deduct	-2.77	
10 11 13 13-0005	SF >12 To 16 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard .....	23.12	3.83
	For >3 To 9, Deduct	-1.16	
	For >9, Deduct	-2.40	
10 11 13 13-0006	SF >16 To 24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard.....	18.88	2.50
	For >3 To 9, Deduct	-1.04	
	For >9, Deduct	-2.15	
10 11 13 13-0007	SF >24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard .....	15.49	1.39
	For >3 To 9, Deduct	-0.95	
	For >9, Deduct	-1.97	

10 11 13 13-0008 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboards (Claridge 1300 Series)<sup>(10 11 13 13-0001)</sup>

Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, chalk tray and mounting hardware.

**10 Specialties**  
**10 10 Information Specialties**  
**10 11 Visual Display Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 13 13-0009	SF		Up To 6 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard.....	45.17	9.44
			<i>For &gt;3 To 9, Deduct</i>	-1.97	
			<i>For &gt;9, Deduct</i>	-4.07	
10 11 13 13-0010	SF		>6 To 12 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard .....	28.93	4.44
			<i>For &gt;3 To 9, Deduct</i>	-1.50	
			<i>For &gt;9, Deduct</i>	-3.11	
10 11 13 13-0011	SF		>12 To 16 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard .....	25.12	3.83
			<i>For &gt;3 To 9, Deduct</i>	-1.31	
			<i>For &gt;9, Deduct</i>	-2.71	
10 11 13 13-0012	SF		>16 To 24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard .....	21.31	2.50
			<i>For &gt;3 To 9, Deduct</i>	-1.22	
			<i>For &gt;9, Deduct</i>	-2.53	
10 11 13 13-0013	SF		>24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard .....	17.87	1.39
			<i>For &gt;3 To 9, Deduct</i>	-1.13	
			<i>For &gt;9, Deduct</i>	-2.34	
<b>10 11 13 13-0014</b>			<b>1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboards (Claridge 1600 Series)</b> <small>(10 11 13 13-0001)</small>		
			Note: Includes up to 1/2" core material, aluminum backing, chalk tray and mounting hardware.		
10 11 13 13-0015	SF		Up To 6 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard .....	41.56	9.44
			<i>For &gt;3 To 9, Deduct</i>	-1.70	
			<i>For &gt;9, Deduct</i>	-3.52	
10 11 13 13-0016	SF		>6 To 12 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard.....	25.34	4.44
			<i>For &gt;3 To 9, Deduct</i>	-1.23	
			<i>For &gt;9, Deduct</i>	-2.55	
10 11 13 13-0017	SF		>12 To 16 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard.....	21.77	3.83
			<i>For &gt;3 To 9, Deduct</i>	-1.06	
			<i>For &gt;9, Deduct</i>	-2.19	
10 11 13 13-0018	SF		>16 To 24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard.....	17.76	2.50
			<i>For &gt;3 To 9, Deduct</i>	-0.96	
			<i>For &gt;9, Deduct</i>	-1.98	
10 11 13 13-0019	SF		>24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard.....	14.24	1.39
			<i>For &gt;3 To 9, Deduct</i>	-0.86	
			<i>For &gt;9, Deduct</i>	-1.78	
<b>10 11 13 13-0020</b>			<b>Removal And Reinstallation Of Chalkboards</b> <small>(10 11 13 13)</small>		
			Note: Includes storage, cleaning and supply materials.		
10 11 13 13-0021	SF		Removal And Reinstallation Of Chalkboard.....	11.51	
			<i>For &gt;3 To 9, Deduct</i>	-0.03	
			<i>For &gt;9, Deduct</i>	-0.06	
<b>10 11 13 13-0022</b>			<b>Field Applied Chalkboard And Accessories</b> <small>(10 11 13 13)</small>		
<b>10 11 13 13-0023</b>			<b>Chalkboard Face Sheets And Panels</b> <small>(10 11 13 13-0022)</small>		
10 11 13 13-0024	SF		Porcelain Enamel Steel Chalkboard Face Sheet (Claridge Vitracite).....	14.74	4.44
			Note: Includes porcelain enamel steel chalkboard skin.		
			<i>For &gt;3 To 9, Deduct</i>	-0.48	
			<i>For &gt;9, Deduct</i>	-0.99	
10 11 13 13-0025	SF		Porcelain Enamel Steel Chalkboard Panel (Claridge VIT).....	17.23	4.44
			Note: Includes porcelain enamel steel surface mounted on either particle board or hardboard core with an aluminum moisture barrier back.		
			<i>For &gt;3 To 9, Deduct</i>	-0.67	
			<i>For &gt;9, Deduct</i>	-1.38	
<b>10 11 13 13-0026</b>			<b>Chalkboard And Markerboard Accessory Trays And Trim</b> <small>(10 11 13 13-0022)</small>		
10 11 13 13-0027	LF		Chalk And Marker Tray, Field Applied .....	21.47	6.10
			<i>For &gt;3 To 9, Deduct</i>	-0.68	
			<i>For &gt;9, Deduct</i>	-1.41	
10 11 13 13-0028	PR		Chalk And Marker Tray End Closures, Field Applied.....	28.28	11.11
			<i>For &gt;3 To 9, Deduct</i>	-0.46	
			<i>For &gt;9, Deduct</i>	-0.94	
10 11 13 13-0029	LF		Mullion Trim For Chalkboards And Markerboards, Field Applied.....	15.99	6.10
			<i>For &gt;3 To 9, Deduct</i>	-0.27	
			<i>For &gt;9, Deduct</i>	-0.56	
10 11 13 13-0030	LF		Screw On Trim For Chalkboards And Markerboards, Field Applied.....	15.69	6.10
			<i>For &gt;3 To 9, Deduct</i>	-0.25	
			<i>For &gt;9, Deduct</i>	-0.52	
10 11 13 13-0031	LF		1/2" Leg Map Rail For Chalkboards And Markerboards, Field Applied .....	16.53	6.10
			<i>For &gt;3 To 9, Deduct</i>	-0.31	
			<i>For &gt;9, Deduct</i>	-0.65	
10 11 13 13-0032	LF		1/4" Leg Map Rail For Chalkboards And Markerboards, Field Applied .....	18.14	6.10
			<i>For &gt;3 To 9, Deduct</i>	-0.43	
			<i>For &gt;9, Deduct</i>	-0.90	
10 11 13 13-0033	LF		No Leg Map Rail For Chalkboards And Markerboards, Field Applied.....	16.53	6.10
			<i>For &gt;3 To 9, Deduct</i>	-0.31	
			<i>For &gt;9, Deduct</i>	-0.65	
<b>10 11 13 33</b>			<b>Rail-Mounted Chalkboards</b> <small>(10 11 13)</small>		
<b>10 11 13 33-0001</b>			<b>Horizontal Sliding, Porcelain Enamel Steel Chalkboards (Claridge HS Series)</b> <small>(10 11 13 33)</small>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**10 11 13 33-002 Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards** (10 11 13 33-0001)

EA 4' x 6' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	1,833.76	111.04
<i>For &gt;3 To 9, Deduct</i>	-120.88	
<i>For &gt;9, Deduct</i>	-249.81	
EA 4' x 8' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	2,052.78	111.04
<i>For &gt;3 To 9, Deduct</i>	-137.30	
<i>For &gt;9, Deduct</i>	-283.76	
EA 4' x 10' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	2,321.69	118.26
<i>For &gt;3 To 9, Deduct</i>	-156.39	
<i>For &gt;9, Deduct</i>	-323.20	
EA 4' x 12' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	2,576.15	118.26
<i>For &gt;3 To 9, Deduct</i>	-175.47	
<i>For &gt;9, Deduct</i>	-362.64	
EA 4' x 14' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,201.20	127.14
<i>For &gt;3 To 9, Deduct</i>	-221.02	
<i>For &gt;9, Deduct</i>	-456.77	
EA 4' x 16' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,404.18	127.14
<i>For &gt;3 To 9, Deduct</i>	-236.24	
<i>For &gt;9, Deduct</i>	-488.23	
EA 4' x 20' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,841.77	133.25
<i>For &gt;3 To 9, Deduct</i>	-268.15	
<i>For &gt;9, Deduct</i>	-554.17	
EA 4' x 24' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,345.64	133.25
<i>For &gt;3 To 9, Deduct</i>	-305.94	
<i>For &gt;9, Deduct</i>	-632.27	

**10 11 13 33-0011 Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards** (10 11 13 33-0001)

EA 4' x 6' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	2,487.06	111.04
<i>For &gt;3 To 9, Deduct</i>	-169.87	
<i>For &gt;9, Deduct</i>	-351.07	
EA 4' x 8' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	2,940.73	111.04
<i>For &gt;3 To 9, Deduct</i>	-203.90	
<i>For &gt;9, Deduct</i>	-421.39	
EA 4' x 10' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,361.57	118.26
<i>For &gt;3 To 9, Deduct</i>	-234.38	
<i>For &gt;9, Deduct</i>	-484.38	
EA 4' x 12' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,778.09	118.26
<i>For &gt;3 To 9, Deduct</i>	-265.62	
<i>For &gt;9, Deduct</i>	-548.94	
EA 4' x 14' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,303.54	127.14
<i>For &gt;3 To 9, Deduct</i>	-303.69	
<i>For &gt;9, Deduct</i>	-627.64	
EA 4' x 16' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,487.11	127.14
<i>For &gt;3 To 9, Deduct</i>	-317.46	
<i>For &gt;9, Deduct</i>	-656.09	
EA 4' x 20' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,254.73	133.25
<i>For &gt;3 To 9, Deduct</i>	-374.12	
<i>For &gt;9, Deduct</i>	-773.18	
EA 4' x 24' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,867.48	133.25
<i>For &gt;3 To 9, Deduct</i>	-420.07	
<i>For &gt;9, Deduct</i>	-868.15	

**10 11 13 33-0020 Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards** (10 11 13 33-0001)

EA 4' x 6' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	2,765.60	111.04
<i>For &gt;3 To 9, Deduct</i>	-190.76	
<i>For &gt;9, Deduct</i>	-394.25	
EA 4' x 8' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,136.55	111.04
<i>For &gt;3 To 9, Deduct</i>	-218.59	
<i>For &gt;9, Deduct</i>	-451.74	
EA 4' x 10' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,541.35	118.26
<i>For &gt;3 To 9, Deduct</i>	-247.86	
<i>For &gt;9, Deduct</i>	-512.25	
EA 4' x 12' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,967.16	118.26
<i>For &gt;3 To 9, Deduct</i>	-279.80	
<i>For &gt;9, Deduct</i>	-578.25	
EA 4' x 14' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,796.47	127.14
<i>For &gt;3 To 9, Deduct</i>	-340.66	
<i>For &gt;9, Deduct</i>	-704.04	
EA 4' x 16' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,991.85	127.14
<i>For &gt;3 To 9, Deduct</i>	-355.32	
<i>For &gt;9, Deduct</i>	-734.32	
EA 4' x 20' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,886.93	133.25
<i>For &gt;3 To 9, Deduct</i>	-421.53	
<i>For &gt;9, Deduct</i>	-871.17	
EA 4' x 24' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	6,565.15	133.25
<i>For &gt;3 To 9, Deduct</i>	-472.40	
<i>For &gt;9, Deduct</i>	-976.29	

**10 11 13 33-0029 Vertical Sliding, Porcelain Enamel Steel Chalkboards (Claridge TW Series)** (10 11 13 33)

MINOR	CSI	UOM	DESCRIPTION
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TOTAL DIRECT	DEMOLITION
UNIT COST	UNIT COST

10 11 13 33-0030	One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboards <sup>(10 11 13 33-0029)</sup>		
10 11 13 33-0031	EA 8' x 4' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	2,181.92	111.04
	For >3 To 9, Deduct	-146.99	
	For >9, Deduct	-303.78	
10 11 13 33-0032	EA 8' x 5' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	2,402.62	111.04
	For >3 To 9, Deduct	-163.54	
	For >9, Deduct	-337.98	
10 11 13 33-0033	EA 8' x 6' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	2,625.95	118.26
	For >3 To 9, Deduct	-179.21	
	For >9, Deduct	-370.36	
10 11 13 33-0034	EA 8' x 8' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,009.12	118.26
	For >3 To 9, Deduct	-207.95	
	For >9, Deduct	-429.75	
10 11 13 33-0035	EA 8' x 10' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,295.26	127.14
	For >3 To 9, Deduct	-228.07	
	For >9, Deduct	-471.35	
10 11 13 33-0036	EA 8' x 12' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,648.89	127.14
	For >3 To 9, Deduct	-254.60	
	For >9, Deduct	-526.16	
<b>10 11 13 33-0037</b>	<b>Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboards <sup>(10 11 13 33-0029)</sup></b>		
10 11 13 33-0038	EA 8' x 4' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,176.15	111.04
	For >3 To 9, Deduct	-221.56	
	For >9, Deduct	-457.88	
10 11 13 33-0039	EA 8' x 5' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,518.81	111.04
	For >3 To 9, Deduct	-247.25	
	For >9, Deduct	-510.99	
10 11 13 33-0040	EA 8' x 6' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,865.78	118.26
	For >3 To 9, Deduct	-272.19	
	For >9, Deduct	-562.54	
10 11 13 33-0041	EA 8' x 8' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	4,496.22	118.26
	For >3 To 9, Deduct	-319.48	
	For >9, Deduct	-660.25	
10 11 13 33-0042	EA 8' x 10' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	4,892.90	127.14
	For >3 To 9, Deduct	-347.90	
	For >9, Deduct	-718.99	
10 11 13 33-0043	EA 8' x 12' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	5,465.10	127.14
	For >3 To 9, Deduct	-390.81	
	For >9, Deduct	-807.68	
<b>10 11 13 33-0044</b>	<b>Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboards <sup>(10 11 13 33-0029)</sup></b>		
10 11 13 33-0045	EA 8' x 4' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	4,318.10	111.04
	For >3 To 9, Deduct	-307.20	
	For >9, Deduct	-634.88	
10 11 13 33-0046	EA 8' x 5' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	4,785.24	111.04
	For >3 To 9, Deduct	-342.24	
	For >9, Deduct	-707.29	
10 11 13 33-0047	EA 8' x 6' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	5,256.68	118.26
	For >3 To 9, Deduct	-376.51	
	For >9, Deduct	-778.12	
10 11 13 33-0048	EA 8' x 8' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	6,133.56	118.26
	For >3 To 9, Deduct	-442.28	
	For >9, Deduct	-914.04	
10 11 13 33-0049	EA 8' x 10' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	6,650.90	127.14
	For >3 To 9, Deduct	-479.75	
	For >9, Deduct	-991.48	
10 11 13 33-0050	EA 8' x 12' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	7,456.88	127.14
	For >3 To 9, Deduct	-540.20	
	For >9, Deduct	-1,116.40	
<b>10 11 13 33-0051</b>	<b>Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards (Claridge MO Series) <sup>(10 11 13 33)</sup></b>		
	Note: Excludes remotes.		
<b>10 11 13 33-0052</b>	<b>One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards <sup>(10 11 13 33-0051)</sup></b>		
10 11 13 33-0053	EA 10' x 4' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	6,947.15	222.08
	For >3 To 9, Deduct	-487.72	
	For >9, Deduct	-1,007.96	
10 11 13 33-0054	EA 10' x 5' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	7,142.63	222.08
	For >3 To 9, Deduct	-502.38	
	For >9, Deduct	-1,038.26	
10 11 13 33-0055	EA 10' x 6' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	7,363.80	229.03
	For >3 To 9, Deduct	-517.93	
	For >9, Deduct	-1,070.39	
10 11 13 33-0056	EA 10' x 8' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	7,721.85	229.03
	For >3 To 9, Deduct	-544.79	
	For >9, Deduct	-1,125.89	
10 11 13 33-0057	EA 10' x 10' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	8,120.80	235.96
	For >3 To 9, Deduct	-573.67	
	For >9, Deduct	-1,185.57	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 11 13 33-0058	EA		10' x 12' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	8,466.19	235.96
			For >3 To 9, Deduct	-599.57	
			For >9, Deduct	-1,239.11	
10 11 13 33-0059	EA		10' x 14' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	9,224.23	249.84
			For >3 To 9, Deduct	-654.34	
			For >9, Deduct	-1,352.30	
10 11 13 33-0060	EA		10' x 16' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	9,319.78	249.84
			For >3 To 9, Deduct	-661.51	
			For >9, Deduct	-1,367.11	

**10 11 13 33-0061 Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards** (10 11 13 33-0051)

10 11 13 33-0062	EA		10' x 4' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	10,868.99	222.08
			For >3 To 9, Deduct	-781.86	
			For >9, Deduct	-1,615.85	
10 11 13 33-0063	EA		10' x 5' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	11,127.44	222.08
			For >3 To 9, Deduct	-801.25	
			For >9, Deduct	-1,655.91	
10 11 13 33-0064	EA		10' x 6' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	11,419.17	229.03
			For >3 To 9, Deduct	-822.08	
			For >9, Deduct	-1,698.98	
10 11 13 33-0065	EA		10' x 8' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	11,945.36	229.03
			For >3 To 9, Deduct	-861.55	
			For >9, Deduct	-1,780.53	
10 11 13 33-0066	EA		10' x 10' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	12,471.93	235.96
			For >3 To 9, Deduct	-900.00	
			For >9, Deduct	-1,860.00	
10 11 13 33-0067	EA		10' x 12' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	12,971.95	235.96
			For >3 To 9, Deduct	-937.50	
			For >9, Deduct	-1,937.50	
10 11 13 33-0068	EA		10' x 14' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	13,993.51	249.84
			For >3 To 9, Deduct	-1,012.04	
			For >9, Deduct	-2,091.54	
10 11 13 33-0069	EA		10' x 16' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	14,144.93	249.84
			For >3 To 9, Deduct	-1,023.39	
			For >9, Deduct	-2,115.01	

**10 11 13 33-0070 Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards** (10 11 13 33-0051)

10 11 13 33-0071	EA		10' x 4' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	14,089.41	222.08
			For >3 To 9, Deduct	-1,023.39	
			For >9, Deduct	-2,115.01	
10 11 13 33-0072	EA		10' x 5' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	14,741.70	222.08
			For >3 To 9, Deduct	-1,072.31	
			For >9, Deduct	-2,216.12	
10 11 13 33-0073	EA		10' x 6' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	15,090.50	229.03
			For >3 To 9, Deduct	-1,097.43	
			For >9, Deduct	-2,268.03	
10 11 13 33-0074	EA		10' x 8' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	15,774.69	229.03
			For >3 To 9, Deduct	-1,148.75	
			For >9, Deduct	-2,374.08	
10 11 13 33-0075	EA		10' x 10' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	16,497.25	235.96
			For >3 To 9, Deduct	-1,201.90	
			For >9, Deduct	-2,483.92	
10 11 13 33-0076	EA		10' x 12' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	17,189.04	235.96
			For >3 To 9, Deduct	-1,253.78	
			For >9, Deduct	-2,591.15	
10 11 13 33-0077	EA		10' x 14' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	18,560.21	249.84
			For >3 To 9, Deduct	-1,354.54	
			For >9, Deduct	-2,799.38	
10 11 13 33-0078	EA		10' x 16' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	18,826.60	249.84
			For >3 To 9, Deduct	-1,374.52	
			For >9, Deduct	-2,840.67	

**10 11 13 33-0079 Sliding Chalkboard And Markerboard Accessories** (10 11 13 33)

10 11 13 33-0080	EA		One Sliding Panel, Remote Control For Motor Operated Sliding Chalkboard Or Markerboard.....	516.70	
			For >3 To 9, Deduct	-37.92	
			For >9, Deduct	-78.37	
10 11 13 33-0081	EA		Two Sliding Panel, Remote Control For Motor Operated Sliding Chalkboard Or Markerboard.....	880.49	
			For >3 To 9, Deduct	-65.20	
			For >9, Deduct	-134.75	

**10 11 16 Markerboards** (10 11)

**10 11 16 13 Fixed Markerboards** (10 11 16)

Note: Select task based off the square footage of an individual markerboard. For example use the >12 To 16 SF range for each 3' x 5' markerboard.

**10 11 16 13-0001 Porcelain Enamel Steel Markerboards** (10 11 16 13)

**10 11 16 13-0002 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboards (Claridge 800 Series)** (10 11 16 13-0001)

Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, marker tray and mounting hardware.

**10 Specialties****10 10 Information Specialties****10 11 Visual Display Units**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

10 11 16 13-0003	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	43.08	9.44
10 11 16 13-0004	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	27.24	4.44
10 11 16 13-0005	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	23.12	3.83
10 11 16 13-0006	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	19.06	2.50
10 11 16 13-0007	SF	>24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	15.30	1.39
<b>10 11 16 13-0008</b>		<b>1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboards</b> <b>(Claridge 1300 Series)</b> <small>(10 11 16 13-0001)</small>		
		Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, marker tray and mounting hardware.		
10 11 16 13-0009	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	45.20	9.44
10 11 16 13-0010	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	27.87	4.44
10 11 16 13-0011	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	24.07	3.83
10 11 16 13-0012	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	20.25	2.50
10 11 16 13-0013	SF	>24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	17.25	1.39
<b>10 11 16 13-0014</b>		<b>1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboards (Claridge</b> <b>LCS Series)</b> <small>(10 11 16 13-0001)</small>		
		Note: Includes up to 1/2" core material, aluminum backing, marker tray and mounting hardware.		
10 11 16 13-0015	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	41.54	9.44
10 11 16 13-0016	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	25.35	4.44
10 11 16 13-0017	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	22.80	3.83
10 11 16 13-0018	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	17.86	2.50
10 11 16 13-0019	SF	>24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	14.00	1.39
<b>10 11 16 13-0020</b>		<b>Melamine Markerboards</b> <small>(10 11 16 13)</small>		
<b>10 11 16 13-0021</b>		<b>1-1/4" Face Aluminum Frame, Melamine Markerboard (Claridge MLC</b> <b>Series)</b> <small>(10 11 16 13-0020)</small>		
		Note: Includes full length map rail, map hooks, marker tray and mounting hardware.		
10 11 16 13-0022	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard.....	35.06	9.44
10 11 16 13-0023	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard.....	20.88	4.44
10 11 16 13-0024	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard.....	18.11	3.83
10 11 16 13-0025	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard.....	13.43	2.50
10 11 16 13-0026	SF	>24 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard.....	10.62	1.39
<b>10 11 16 13-0027</b>		<b>1-3/4" Face Wood Frame, Melamine Markerboard (Claridge MLC Series)</b> <small>(10 11 16 13-0020)</small>		
		Note: Includes marker tray and mounting hardware.		
10 11 16 13-0028	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Melamine Markerboard.....	34.34	9.44
10 11 16 13-0029	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Melamine Markerboard.....	20.54	4.44
10 11 16 13-0030	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Melamine Markerboard.....	17.63	3.83
10 11 16 13-0031	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Melamine Markerboard.....	12.59	2.50
10 11 16 13-0032	SF	>24 SF, 1-3/4" Face Wood Frame, Melamine Markerboard.....	9.85	1.39
<b>10 11 16 13-0033</b>		<b>Nonporous, Non-Staining Markerboards</b> <small>(10 11 16 13)</small>		
<b>10 11 16 13-0034</b>		<b>5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboards</b> <b>(EverWhite Classic Series)</b> <small>(10 11 16 13-0033)</small>		
		Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.		
10 11 16 13-0035	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	47.62	9.44
		<i>For Magnetic Surface, Add</i> 2.87		
10 11 16 13-0036	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	30.75	4.44
		<i>For Magnetic Surface, Add</i> 2.19		
10 11 16 13-0037	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	26.52	3.83
		<i>For Magnetic Surface, Add</i> 1.89		
10 11 16 13-0038	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	23.11	2.50
		<i>For Magnetic Surface, Add</i> 1.81		
10 11 16 13-0039	SF	>24 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	19.68	1.39
		<i>For Magnetic Surface, Add</i> 1.69		
<b>10 11 16 13-0040</b>		<b>1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboards</b> <b>(EverWhite Classic Series)</b> <small>(10 11 16 13-0033)</small>		
		Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.		
10 11 16 13-0041	SF	Up To 6 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	47.62	9.44
		<i>For Magnetic Surface, Add</i> 2.87		
10 11 16 13-0042	SF	>6 To 12 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	30.75	4.44
		<i>For Magnetic Surface, Add</i> 2.19		
10 11 16 13-0043	SF	>12 To 16 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	26.52	3.83
		<i>For Magnetic Surface, Add</i> 1.89		
10 11 16 13-0044	SF	>16 To 24 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	23.11	2.50
		<i>For Magnetic Surface, Add</i> 1.81		
10 11 16 13-0045	SF	>24 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	19.68	1.39
		<i>For Magnetic Surface, Add</i> 1.69		

10 11 16 13-0046	1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) <small>(10 11 16 13-0033)</small> Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.		
10 11 16 13-0047	SF Up To 6 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard..... <i>For Magnetic Surface, Add</i>	83.24	9.44
10 11 16 13-0048	SF >6 To 12 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard..... <i>For Magnetic Surface, Add</i>	52.15	4.44
10 11 16 13-0049	SF >12 To 16 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard..... <i>For Magnetic Surface, Add</i>	44.10	3.83
10 11 16 13-0050	SF >16 To 24 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard..... <i>For Magnetic Surface, Add</i>	37.01	2.50
10 11 16 13-0051	SF >24 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard..... <i>For Magnetic Surface, Add</i>	28.55	1.39

10 11 16 13-0052	Nonporous, Non-Staining Markerboard Resurfacing Panels (EverWhite EverEZ Resurfacing Panels) <small>(10 11 16 13-0033)</small> Note: Includes non-staining, permanent marker resistant, magnetic dry erase surface. Excludes frame. Resurfacing panel for mounting to existing chalkboard or markerboard consists of dry erase surface, 24-gauge treated steel interlayer and pressure-sensitive adhesive backing.		
10 11 16 13-0053	SF Up To 16 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing.....	21.25	3.83
10 11 16 13-0054	SF >16 To 24 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing.....	17.88	2.50
10 11 16 13-0055	SF >24 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing.....	14.79	1.39

10 11 16 13-0056	Removal And Reinstallation Of Markerboard <small>(10 11 16 13)</small> Note: Includes storage, cleaning and supply materials.		
10 11 16 13-0057	EA Up To 6 SF, Removal And Reinstallation Of Markerboard .....	66.62	
10 11 16 13-0058	EA >6 To 12 SF, Removal And Reinstallation Of Markerboard.....	77.73	
10 11 16 13-0059	EA >12 To 16 SF, Removal And Reinstallation Of Markerboard.....	88.84	
10 11 16 13-0060	EA >16 To 24 SF, Removal And Reinstallation Of Markerboard.....	99.94	
10 11 16 13-0061	EA >24 SF, Removal And Reinstallation Of Markerboard.....	111.04	

10 11 16 13-0062	Field Applied Markerboard And Accessories <small>(10 11 16 13)</small>		
10 11 16 13-0063	Markerboard Face Sheets And Panels <small>(10 11 16 13-0062)</small>		
10 11 16 13-0064	SF Porcelain Enamel Steel Markerboard Face Sheet (Claridge LCS) .....	14.54	4.44
10 11 16 13-0065	SF Porcelain Enamel Steel Markerboard Face Sheet With Double Sided Tape (Claridge LCS EZ Stick) .....	16.77	4.44
10 11 16 13-0066	SF Porcelain Enamel Steel Markerboard Panel (Claridge LCS).....	16.72	4.44
10 11 16 13-0067	SF Melamine Markerboard Panel (Claridge 1032) .....	10.51	4.44

10 11 16 13-0068	Chalkboard And Markerboard Accessory Trays And Trim <small>(10 11 16 13-0062)</small> See CSI section 10 11 13 13-0026 for chalkboard and markerboard accessory trays and trim.		
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**10 11 16 33 Rail-Mounted Markerboards (10 11 16)**

10 11 16 33-0001	Horizontal Sliding, Porcelain Enamel Steel Markerboards (Claridge HS Series) <small>(10 11 16 33)</small>		
10 11 16 33-0002	Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0001)</small>		
10 11 16 33-0003	EA 4' x 6' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	1,812.29	111.04
10 11 16 33-0004	EA 4' x 8' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	2,024.15	111.04
10 11 16 33-0005	EA 4' x 10' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	2,285.90	118.26
10 11 16 33-0006	EA 4' x 12' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	2,533.21	118.26
10 11 16 33-0007	EA 4' x 14' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	3,151.09	127.14
10 11 16 33-0008	EA 4' x 16' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	3,346.92	127.14
10 11 16 33-0009	EA 4' x 20' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	3,770.19	133.25
10 11 16 33-0010	EA 4' x 24' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	4,259.75	133.25

10 11 16 33-0011	Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0001)</small>		
10 11 16 33-0012	EA 4' x 6' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard .....	2,465.59	111.04
10 11 16 33-0013	EA 4' x 8' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	2,912.10	111.04
10 11 16 33-0014	EA 4' x 10' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	3,325.78	118.26
10 11 16 33-0015	EA 4' x 12' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	3,735.15	118.26
10 11 16 33-0016	EA 4' x 14' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	4,253.44	127.14
10 11 16 33-0017	EA 4' x 16' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	4,429.84	127.14
10 11 16 33-0018	EA 4' x 20' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	5,183.15	133.25
10 11 16 33-0019	EA 4' x 24' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	5,781.59	133.25

10 11 16 33-0020	Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0001)</small>		
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 33-0021	EA		4' x 6' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard .....	2,744.13	111.04
10 11 16 33-0022	EA		4' x 8' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard .....	3,107.92	111.04
10 11 16 33-0023	EA		4' x 10' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard .....	3,505.56	118.26
10 11 16 33-0024	EA		4' x 12' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard .....	3,924.22	118.26
10 11 16 33-0025	EA		4' x 14' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard .....	4,746.37	127.14
10 11 16 33-0026	EA		4' x 16' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard .....	4,934.59	127.14
10 11 16 33-0027	EA		4' x 20' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard .....	5,815.35	133.25
10 11 16 33-0028	EA		4' x 24' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard .....	6,500.73	133.25
<b>10 11 16 33-0029      Vertical Sliding, Porcelain Enamel Steel Markerboards (Claridge TW Series) <small>(10 11 16 33)</small></b>					
<b>10 11 16 33-0030      One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0029)</small></b>					
10 11 16 33-0031	EA		8' x 4' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	2,153.29	111.04
10 11 16 33-0032	EA		8' x 5' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	2,366.84	111.04
10 11 16 33-0033	EA		8' x 6' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	2,583.01	118.26
10 11 16 33-0034	EA		8' x 8' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	2,951.86	118.26
10 11 16 33-0035	EA		8' x 10' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	3,223.68	127.14
10 11 16 33-0036	EA		8' x 12' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	3,563.00	127.14
<b>10 11 16 33-0037      Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0029)</small></b>					
10 11 16 33-0038	EA		8' x 4' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	3,118.89	111.04
10 11 16 33-0039	EA		8' x 5' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	3,447.23	111.04
10 11 16 33-0040	EA		8' x 6' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	3,779.88	118.26
10 11 16 33-0041	EA		8' x 8' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	4,381.70	118.26
10 11 16 33-0042	EA		8' x 10' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	4,749.74	127.14
10 11 16 33-0043	EA		8' x 12' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	5,293.32	127.14
<b>10 11 16 33-0044      Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0029)</small></b>					
10 11 16 33-0045	EA		8' x 4' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard .....	4,232.21	111.04
10 11 16 33-0046	EA		8' x 5' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard .....	4,677.87	111.04
10 11 16 33-0047	EA		8' x 6' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard .....	5,127.85	118.26
10 11 16 33-0048	EA		8' x 8' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard .....	5,961.78	118.26
10 11 16 33-0049	EA		8' x 10' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard .....	6,436.18	127.14
10 11 16 33-0050	EA		8' x 12' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard .....	7,199.21	127.14
<b>10 11 16 33-0051      Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards (Claridge MO Series) <small>(10 11 16 33)</small></b>					
Note: Excludes remotes.					
<b>10 11 16 33-0052      One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0051)</small></b>					
10 11 16 33-0053	EA		10' x 4' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	6,911.36	222.08
10 11 16 33-0054	EA		10' x 5' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	7,097.89	222.08
10 11 16 33-0055	EA		10' x 6' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	7,310.12	229.03
10 11 16 33-0056	EA		10' x 8' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	7,650.28	229.03
10 11 16 33-0057	EA		10' x 10' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	8,031.33	235.96
10 11 16 33-0058	EA		10' x 12' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	8,358.83	235.96
10 11 16 33-0059	EA		10' x 14' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	9,098.97	249.84
10 11 16 33-0060	EA		10' x 16' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	9,176.63	249.84
<b>10 11 16 33-0061      Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0051)</small></b>					
10 11 16 33-0062	EA		10' x 4' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	10,797.41	222.08
10 11 16 33-0063	EA		10' x 5' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	11,037.97	222.08
10 11 16 33-0064	EA		10' x 6' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	11,311.81	229.03
10 11 16 33-0065	EA		10' x 8' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	11,802.21	229.03
10 11 16 33-0066	EA		10' x 10' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	12,292.99	235.96
10 11 16 33-0067	EA		10' x 12' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	12,757.22	235.96
10 11 16 33-0068	EA		10' x 14' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	13,742.99	249.84
10 11 16 33-0069	EA		10' x 16' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	13,858.63	249.84
<b>10 11 16 33-0070      Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0051)</small></b>					
10 11 16 33-0071	EA		10' x 4' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard .....	13,982.05	222.08
10 11 16 33-0072	EA		10' x 5' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard .....	14,607.50	222.08
10 11 16 33-0073	EA		10' x 6' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard .....	14,929.45	229.03
10 11 16 33-0074	EA		10' x 8' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard .....	15,559.96	229.03
10 11 16 33-0075	EA		10' x 10' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard .....	16,228.84	235.96
10 11 16 33-0076	EA		10' x 12' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard .....	16,866.95	235.96
10 11 16 33-0077	EA		10' x 14' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard .....	18,184.44	249.84
10 11 16 33-0078	EA		10' x 16' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard .....	18,397.14	249.84

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 11 16 33-0079 Sliding Chalkboard And Markerboard Accessories (10 11 16 33)  
 See CSI section 10 11 13 33-0079 for sliding chalkboard and markerboard accessories.

**10 11 23 Tackboards (10 11)**

**10 11 23 13 Fixed Tackboards (10 11 23)**

Note: Select task based off the square footage of an individual tackboard. For example use the >12 To 16 SF range for each 3' x 5' tackboard.

10 11 23 13-0001 Fixed Tackboards (10 11 23 13)

Note: Select task based off the square footage of an individual tackboard. For example use the >12 To 16 SF range for each 3' x 5' tackboard.

10 11 23 13-0002 Cork Surface, Fixed Tackboards (10 11 23 13-0001)

Note: Includes up to 1/4" cork surface, unmounted or mounted on duracore or hardboard.

10 11 23 13-0003 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboards (Claridge 800 Series) (10 11 23 13-0002)

10 11 23 13-0004 SF	Up To 6 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	30.20	9.44
10 11 23 13-0005 SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard .....	16.76	4.44
10 11 23 13-0006 SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	14.52	3.83
10 11 23 13-0007 SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	11.32	2.50
10 11 23 13-0008 SF	>24 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	8.95	1.39

10 11 23 13-0009 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboards (Claridge 900A Series) (10 11 23 13-0002)

10 11 23 13-0010 SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard .....	31.54	9.44
10 11 23 13-0011 SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	17.38	4.44
10 11 23 13-0012 SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	14.20	3.83
10 11 23 13-0013 SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	10.83	2.50
10 11 23 13-0014 SF	>24 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	8.18	1.39

10 11 23 13-0015 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboards (Claridge 700 Series) (10 11 23 13-0002)

10 11 23 13-0016 SF	Up To 6 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard.....	31.68	9.44
10 11 23 13-0017 SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard .....	18.68	4.44
10 11 23 13-0018 SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard.....	17.16	3.83
10 11 23 13-0019 SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard.....	12.97	2.50
10 11 23 13-0020 SF	>24 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard.....	9.98	1.39

10 11 23 13-0021 Burlap Backed Cork Surface, Fixed Tackboards (10 11 23 13-0001)

Note: Includes burlap backed 1/4" self healing cork surface, unmounted or mounted on hardboard.

10 11 23 13-0022 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboards (Claridge 800 Series) (10 11 23 13-0021)

10 11 23 13-0023 SF	Up To 6 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard .....	34.07	9.44
10 11 23 13-0024 SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	21.40	4.44
10 11 23 13-0025 SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	19.42	3.83
10 11 23 13-0026 SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	16.24	2.50
10 11 23 13-0027 SF	>24 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	13.96	1.39

10 11 23 13-0028 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboards (Claridge 700 Series) (10 11 23 13-0021)

10 11 23 13-0029 SF	Up To 6 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	37.31	9.44
10 11 23 13-0030 SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	24.86	4.44
10 11 23 13-0031 SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	22.91	3.83
10 11 23 13-0032 SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	18.78	2.50
10 11 23 13-0033 SF	>24 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	15.81	1.39

10 11 23 13-0034 Polyester Fabric Surface, Fixed Tackboards (10 11 23 13-0001)

Note: Includes polyester fabric on cork underlay, unmounted or mounted on duracore. Class A rating.

10 11 23 13-0035 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboards (Claridge 800 Series) (10 11 23 13-0034)

10 11 23 13-0036 SF	Up To 6 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard .....	31.12	9.44
10 11 23 13-0037 SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard.....	17.88	4.44
10 11 23 13-0038 SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard.....	15.78	3.83
10 11 23 13-0039 SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard.....	12.62	2.50
10 11 23 13-0040 SF	>24 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard.....	10.11	1.39

10 11 23 13-0041 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboards (Claridge 700 Series) (10 11 23 13-0034)

10 11 23 13-0042 SF	Up To 6 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard.....	32.95	9.44
10 11 23 13-0043 SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard.....	20.26	4.44
10 11 23 13-0044 SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard.....	18.63	3.83
10 11 23 13-0045 SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard.....	14.59	2.50
10 11 23 13-0046 SF	>24 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard.....	11.67	1.39

<b>10</b>	<b>10 Specialties</b>
	<b>10 10 Information Specialties</b>
	<b>10 11 Visual Display Units</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 11 23 13-0047			<b>Vinyl Fabric Surface, Fixed Tackboards</b> <small>(10 11 23 13-0001)</small> Note: Includes vinyl fabric on cork underlay, unmounted or mounted on duracore.		
10 11 23 13-0048			<b>5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboards</b> <b>(Claridge 800 Series)</b> <small>(10 11 23 13-0047)</small>		
10 11 23 13-0049	SF		Up To 6 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard.....	30.20	9.44
10 11 23 13-0050	SF		>6 To 12 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard.....	16.83	4.44
10 11 23 13-0051	SF		>12 To 16 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard.....	14.62	3.83
10 11 23 13-0052	SF		>16 To 24 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard.....	11.32	2.50
10 11 23 13-0053	SF		>24 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard.....	8.79	1.39

10 11 23 13-0054			<b>1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboards</b> <b>(Claridge 700 Series)</b> <small>(10 11 23 13-0047)</small>		
10 11 23 13-0055	SF		Up To 6 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard.....	31.68	9.44
10 11 23 13-0056	SF		>6 To 12 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard.....	19.33	4.44
10 11 23 13-0057	SF		>12 To 16 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard.....	17.16	3.83
10 11 23 13-0058	SF		>16 To 24 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard.....	12.97	2.50
10 11 23 13-0059	SF		4' x 8', 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard.....	9.98	1.39

**10 12 Display Cases** (10 10)

10 12 00 00-0001			<b>Counter Display Cases</b> <small>(10 12)</small>		
10 12 00 00-0002	EA		30" x 12" x 36" Counter Display Cases.....	1,425.36	170.12
10 12 00 00-0003	EA		30" x 12" x 48" Counter Display Cases.....	1,535.13	170.12
10 12 00 00-0004	EA		30" x 18" x 36" Counter Display Cases.....	1,490.42	170.12
10 12 00 00-0005	EA		30" x 18" x 48" Counter Display Cases.....	1,449.92	75.62
10 12 00 00-0006			<b>Upright Display Case</b> <small>(10 12)</small>		
10 12 00 00-0007	EA		72 In x 20 In x 70 In Upright Display Case.....	2,914.44	170.12
10 12 00 00-0008			<b>Full Vision Display Case</b> <small>(10 12)</small>		
10 12 00 00-0009	EA		38 In x 20 In x 70 In Full Vision Display Case.....	1,921.68	170.12

**10 13 Directories** (10 10)

**10 13 11 Directory and Bulletin Boards** (10 13)

Note: Select task based off the square footage of an individual directory or bulletin board. For example use the >12 To 16 SF range for each 3' x 5' directory or bulletin board.

10 13 11 00-0001			<b>Wall Mounted Directories</b> <small>(10 13 11)</small> Note: Includes changeable letters.		
10 13 11 00-0002			<b>Open Face, Wall Mounted Directories</b> <small>(10 13 11 00-0001)</small> Note: Includes vinyl or felt back panel.		
10 13 11 00-0003			<b>Wood Frame, Open Face, Wall Mounted Directories (Claridge 350 Series)</b> <small>(10 13 11 00-0002)</small>		
10 13 11 00-0004	SF		Up To 6 SF, Wood Frame, Open Face, Wall Mounted Directory.....	47.30	9.44
10 13 11 00-0005	SF		>6 To 12 SF, Wood Frame, Open Face, Wall Mounted Directory.....	30.19	4.44
10 13 11 00-0006	SF		>12 To 16 SF, Wood Frame, Open Face, Wall Mounted Directory.....	27.35	3.83
10 13 11 00-0007	SF		>16 To 24 SF, Wood Frame, Open Face, Wall Mounted Directory.....	20.71	2.50
10 13 11 00-0008	SF		>24 SF, Wood Frame, Open Face, Wall Mounted Directory.....	16.28	1.39
10 13 11 00-0009			<b>Aluminum Frame, Open Face, Wall Mounted Directories (Claridge 432 Series)</b> <small>(10 13 11 00-0002)</small>		
10 13 11 00-0010	SF		Up To 6 SF, Aluminum Frame, Open Face, Wall Mounted Directory..... <i>For Bronze Anodize Finish, Add</i>	47.72 12.00	9.44
10 13 11 00-0011	SF		>6 To 12 SF, Aluminum Frame, Open Face, Wall Mounted Directory..... <i>For Bronze Anodize Finish, Add</i>	30.47 12.00	4.44
10 13 11 00-0012	SF		>12 To 16 SF, Aluminum Frame, Open Face, Wall Mounted Directory..... <i>For Bronze Anodize Finish, Add</i>	27.92 12.00	3.83
10 13 11 00-0013	SF		>16 To 24 SF, Aluminum Frame, Open Face, Wall Mounted Directory..... <i>For Bronze Anodize Finish, Add</i>	19.80 12.00	2.50
10 13 11 00-0014	SF		>24 SF, Aluminum Frame, Open Face, Wall Mounted Directory..... <i>For Bronze Anodize Finish, Add</i>	16.71 12.00	1.39
10 13 11 00-0015			<b>Glass Encased, Wall Mounted Directory Cabinets</b> <small>(10 13 11 00-0001)</small> Note: Includes vinyl or felt back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
10 13 11 00-0016			<b>Wood Frame, Glass Encased, Wall Mounted Directory Cabinets</b> <small>(10 13 11 00-0015)</small>		
10 13 11 00-0017			<b>Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge 3052 Series)</b> <small>(10 13 11 00-0016)</small>		
10 13 11 00-0018	SF		Up To 6 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i>	110.74 15.00	9.44
10 13 11 00-0019	SF		>6 To 12 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i>	87.45 15.00	4.44

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 13 11 00-0020	SF			>12 To 16 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i>	73.29 15.00	3.83
10 13 11 00-0021	SF			>16 To 24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i>	67.42 15.00	2.50
10 13 11 00-0022	SF			>24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i>	60.60 15.00	1.39
<b>10 13 11 00-0023 Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge 345 Series) <small>(10 13 11 00-0016)</small></b>						
10 13 11 00-0024	SF			Up To 12 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i>	95.83 15.00	9.44
10 13 11 00-0025	SF			>12 To 16 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i>	75.64 15.00	3.83
10 13 11 00-0026	SF			>16 To 24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i>	54.12 15.00	2.50
10 13 11 00-0027	SF			>24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i>	48.36 15.00	1.39
<b>10 13 11 00-0028 Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets <small>(10 13 11 00-0015)</small></b>						
<b>10 13 11 00-0029 Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge Contemporary Series) <small>(10 13 11 00-0028)</small></b>						
10 13 11 00-0030	SF			Up To 6 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	99.56 15.00 12.00 16.14	9.44
10 13 11 00-0031	SF			>6 To 12 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	75.85 15.00 12.00 13.39	4.44
10 13 11 00-0032	SF			>12 To 16 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	64.22 15.00 12.00 11.31	3.83
10 13 11 00-0033	SF			>16 To 24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	47.06 15.00 12.00 8.41	2.50
10 13 11 00-0034	SF			>24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	43.51 15.00 12.00 8.15	1.39
<b>10 13 11 00-0035 Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge Contemporary Series) <small>(10 13 11 00-0028)</small></b>						
10 13 11 00-0036	SF			Up To 6 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	151.19 15.00 12.00 26.46	9.44
10 13 11 00-0037	SF			>6 To 12 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	87.39 15.00 12.00 15.70	4.44
10 13 11 00-0038	SF			>12 To 16 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	73.67 15.00 12.00 13.20	3.83
10 13 11 00-0039	SF			>16 To 24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	56.59 15.00 12.00 10.32	2.50
10 13 11 00-0040	SF			>24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	51.95 15.00 12.00 9.83	1.39
<b>10 13 11 00-0041 Outdoor, Glass Encased, Wall Mounted Directory Cabinets <small>(10 13 11 00-0001)</small></b> Note: Includes vinyl or felt back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.						
<b>10 13 11 00-0042 Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Directory Cabinets <small>(10 13 11 00-0041)</small></b>						
<b>10 13 11 00-0043 Hinged Door, Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Directory Cabinets (Claridge 548 Series) <small>(10 13 11 00-0042)</small></b>						
10 13 11 00-0044	SF			Up To 6 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i>	148.58 15.00 12.00	9.44
10 13 11 00-0045	SF			>6 To 12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i>	98.43 15.00 12.00	4.44

**10 Specialties**  
**10 10 Information Specialties**  
**10 13 Directories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 11 00-0046	SF		>12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet..... For Fluorescent Lights, Add For Bronze Anodize Finish, Add	95.44 15.00 12.00	3.83
10 13 11 00-0047			Wall Mounted Bulletin Boards (10 13 11)		
10 13 11 00-0048			Glass Encased, Wall Mounted Bulletin Board Cabinets (10 13 11 00-0047) Note: Includes cork, fabric or hook-fab back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
10 13 11 00-0049			Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (10 13 11 00-0048)		
10 13 11 00-0050			Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge 3070 Series) (10 13 11 00-0049)		
10 13 11 00-0051	SF		Up To 6 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet ..... For Fluorescent Lights, Add	108.21 15.00	9.44
10 13 11 00-0052	SF		>6 To 12 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... For Fluorescent Lights, Add	85.55 15.00	4.44
10 13 11 00-0053	SF		>12 To 16 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... For Fluorescent Lights, Add	71.39 15.00	3.83
10 13 11 00-0054	SF		>16 To 24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... For Fluorescent Lights, Add	65.62 15.00	2.50
10 13 11 00-0055	SF		>24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... For Fluorescent Lights, Add	59.75 15.00	1.39
10 13 11 00-0056			Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge 310 Series) (10 13 11 00-0049)		
10 13 11 00-0057	SF		Up To 12 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet ..... For Fluorescent Lights, Add	91.33 15.00	9.44
10 13 11 00-0058	SF		>12 To 16 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... For Fluorescent Lights, Add	71.36 15.00	3.83
10 13 11 00-0059	SF		>16 To 24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... For Fluorescent Lights, Add	50.82 15.00	2.50
10 13 11 00-0060	SF		>24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... For Fluorescent Lights, Add	45.83 15.00	1.39
10 13 11 00-0061			Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (10 13 11 00-0048)		
10 13 11 00-0062			Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge Contemporary Series) (10 13 11 00-0061)		
10 13 11 00-0063	SF		Up To 6 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... For Fluorescent Lights, Add For Bronze Anodize Finish, Add For Header Panel, Add	101.88 15.00 12.00 16.60	9.44
10 13 11 00-0064	SF		>6 To 12 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet ..... For Fluorescent Lights, Add For Bronze Anodize Finish, Add For Header Panel, Add	78.16 15.00 12.00 13.86	4.44
10 13 11 00-0065	SF		>12 To 16 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet ..... For Fluorescent Lights, Add For Bronze Anodize Finish, Add For Header Panel, Add	66.53 15.00 12.00 11.77	3.83
10 13 11 00-0066	SF		>16 To 24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet ..... For Fluorescent Lights, Add For Bronze Anodize Finish, Add For Header Panel, Add	49.37 15.00 12.00 8.88	2.50
10 13 11 00-0067	SF		>24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... For Fluorescent Lights, Add For Bronze Anodize Finish, Add For Header Panel, Add	45.83 15.00 12.00 8.61	1.39
10 13 11 00-0068			Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge Contemporary Series) (10 13 11 00-0061)		
10 13 11 00-0069	SF		Up To 6 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... For Fluorescent Lights, Add For Bronze Anodize Finish, Add For Header Panel, Add	153.51 15.00 12.00 26.93	9.44
10 13 11 00-0070	SF		>6 To 12 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... For Fluorescent Lights, Add For Bronze Anodize Finish, Add For Header Panel, Add	89.70 15.00 12.00 16.16	4.44
10 13 11 00-0071	SF		>12 To 16 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet ..... For Fluorescent Lights, Add For Bronze Anodize Finish, Add For Header Panel, Add	75.98 15.00 12.00 13.66	3.83
10 13 11 00-0072	SF		>16 To 24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet ..... For Fluorescent Lights, Add For Bronze Anodize Finish, Add For Header Panel, Add	58.90 15.00 12.00 10.78	2.50
10 13 11 00-0073	SF		>24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... For Fluorescent Lights, Add For Bronze Anodize Finish, Add For Header Panel, Add	54.27 15.00 12.00 10.30	1.39



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 13 11 00-0074	Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets <small>(10 13 11 00-0047)</small> Note: Includes cork, fabric or hook-fab back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
10 13 11 00-0075	Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets <small>(10 13 11 00-0074)</small>		
10 13 11 00-0076	Hinged Door, Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets <small>(10 13 11 00-0075)</small>		
10 13 11 00-0077	SF Up To 6 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i>	146.27 15.00 12.00	9.44
10 13 11 00-0078	SF >6 To 12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i>	96.12 15.00 12.00	4.44
10 13 11 00-0079	SF >12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i>	93.15 15.00 12.00	3.83

### 10 14 Signage (10 10)

Note: Where required, signage excludes electrical connection, disconnect, or terminations unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection wiring, 26 05 83 00-0130 for terminations.

#### 10 14 19 Dimensional Letter Signage (10 14)

Note: Mounted on masonry or concrete.

10 14 19 00-0001	Cast Characters <small>(10 14 19)</small> Note: Any font.		
10 14 19 00-0002	Satin Finish, Cast Aluminum Characters <small>(10 14 19 00-0001)</small>		
10 14 19 00-0003	EA 2" High x 3/8" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Patina Finish, Add</i> <i>For Color Anodized, Add</i>	48.34 -5.19 2.06 6.18 8.24 10.30	6.94
10 14 19 00-0004	EA 3" High x 1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Patina Finish, Add</i> <i>For Color Anodized, Add</i>	56.90 -5.84 2.69 8.08 10.77 13.47	7.49
10 14 19 00-0005	EA 4" High x 5/8" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Patina Finish, Add</i> <i>For Color Anodized, Add</i>	62.29 -6.33 3.01 9.03 12.04 15.05	8.04
10 14 19 00-0006	EA 5" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Patina Finish, Add</i> <i>For Color Anodized, Add</i>	71.48 -7.24 3.49 10.46 13.94 17.43	9.21
10 14 19 00-0007	EA 6" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Patina Finish, Add</i> <i>For Color Anodized, Add</i>	78.45 -7.81 3.96 11.88 15.84 19.80	9.71
10 14 19 00-0008	EA 8" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Patina Finish, Add</i> <i>For Color Anodized, Add</i>	93.50 -9.12 4.91 14.73 19.64 24.55	11.10
10 14 19 00-0009	EA 9" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Patina Finish, Add</i> <i>For Color Anodized, Add</i>	103.63 -9.84 5.70 17.11 22.81 28.51	11.66
10 14 19 00-0010	EA 10" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Patina Finish, Add</i> <i>For Color Anodized, Add</i>	118.05 -10.90 6.81 20.43 27.24 34.06	12.49
10 14 19 00-0011	EA 12" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Patina Finish, Add</i> <i>For Color Anodized, Add</i>	143.25 -12.93 8.55 25.66 34.21 42.77	14.43

**10 Specialties**  
**10 10 Information Specialties**  
**10 14 Signage**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

10 14 19 00-0012	EA	14" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	171.13	16.65
		<i>For Installation With Adhesive, Deduct</i>	-15.22	
		<i>For Clear Anodized, Add</i>	10.45	
		<i>For Satin Face And Enameled Return, Add</i>	31.36	
		<i>For Patina Finish, Add</i>	41.82	
		<i>For Color Anodized, Add</i>	52.27	
10 14 19 00-0013	EA	15" High x 1-1/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	188.07	18.50
		<i>For Installation With Adhesive, Deduct</i>	-16.81	
		<i>For Clear Anodized, Add</i>	11.40	
		<i>For Satin Face And Enameled Return, Add</i>	34.21	
		<i>For Patina Finish, Add</i>	45.62	
		<i>For Color Anodized, Add</i>	57.02	
10 14 19 00-0014	EA	16" High x 1-1/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	209.80	19.98
		<i>For Installation With Adhesive, Deduct</i>	-18.48	
		<i>For Clear Anodized, Add</i>	12.99	
		<i>For Satin Face And Enameled Return, Add</i>	38.96	
		<i>For Patina Finish, Add</i>	51.95	
		<i>For Color Anodized, Add</i>	64.94	
10 14 19 00-0015	EA	18" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	253.53	22.19
		<i>For Installation With Adhesive, Deduct</i>	-21.56	
		<i>For Clear Anodized, Add</i>	16.47	
		<i>For Satin Face And Enameled Return, Add</i>	49.42	
		<i>For Patina Finish, Add</i>	65.89	
		<i>For Color Anodized, Add</i>	82.37	
10 14 19 00-0016	EA	20" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	305.81	24.97
		<i>For Installation With Adhesive, Deduct</i>	-25.28	
		<i>For Clear Anodized, Add</i>	20.59	
		<i>For Satin Face And Enameled Return, Add</i>	61.77	
		<i>For Patina Finish, Add</i>	82.36	
		<i>For Color Anodized, Add</i>	102.96	
10 14 19 00-0017	EA	24" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	367.59	27.75
		<i>For Installation With Adhesive, Deduct</i>	-29.48	
		<i>For Clear Anodized, Add</i>	25.66	
		<i>For Satin Face And Enameled Return, Add</i>	76.98	
		<i>For Patina Finish, Add</i>	102.64	
		<i>For Color Anodized, Add</i>	128.30	

**10 14 19 00-0018 Satin Finish, Cast Bronze Characters** (10 14 19 00-0001)

10 14 19 00-0019	EA	2" High x 3/8" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	57.53	7.64
		<i>For Installation With Adhesive, Deduct</i>	-5.93	
		<i>For Oxidized Finish, Add</i>	4.05	
		<i>For Polished Or Patina Finish, Add</i>	8.10	
10 14 19 00-0020	EA	3" High x 1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	80.90	8.32
		<i>For Installation With Adhesive, Deduct</i>	-7.38	
		<i>For Oxidized Finish, Add</i>	7.14	
		<i>For Polished Or Patina Finish, Add</i>	14.28	
10 14 19 00-0021	EA	4" High x 5/8" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	88.26	8.88
		<i>For Installation With Adhesive, Deduct</i>	-7.97	
		<i>For Oxidized Finish, Add</i>	7.91	
		<i>For Polished Or Patina Finish, Add</i>	15.82	
10 14 19 00-0022	EA	5" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	106.85	9.98
		<i>For Installation With Adhesive, Deduct</i>	-9.34	
		<i>For Oxidized Finish, Add</i>	10.03	
		<i>For Polished Or Patina Finish, Add</i>	20.07	
10 14 19 00-0023	EA	6" High x 1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	118.63	10.66
		<i>For Installation With Adhesive, Deduct</i>	-10.20	
		<i>For Oxidized Finish, Add</i>	11.39	
		<i>For Polished Or Patina Finish, Add</i>	22.77	
10 14 19 00-0024	EA	8" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	156.90	12.21
		<i>For Installation With Adhesive, Deduct</i>	-12.73	
		<i>For Oxidized Finish, Add</i>	16.21	
		<i>For Polished Or Patina Finish, Add</i>	32.42	
10 14 19 00-0025	EA	9" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	178.41	12.76
		<i>For Installation With Adhesive, Deduct</i>	-14.03	
		<i>For Oxidized Finish, Add</i>	19.10	
		<i>For Polished Or Patina Finish, Add</i>	38.21	
10 14 19 00-0026	EA	10" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	199.58	13.87
		<i>For Installation With Adhesive, Deduct</i>	-15.53	
		<i>For Oxidized Finish, Add</i>	21.61	
		<i>For Polished Or Patina Finish, Add</i>	43.22	
10 14 19 00-0027	EA	12" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	236.76	16.09
		<i>For Installation With Adhesive, Deduct</i>	-18.28	
		<i>For Oxidized Finish, Add</i>	25.86	
		<i>For Polished Or Patina Finish, Add</i>	51.71	
10 14 19 00-0028	EA	14" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	277.80	18.31
		<i>For Installation With Adhesive, Deduct</i>	-21.22	
		<i>For Oxidized Finish, Add</i>	30.68	
		<i>For Polished Or Patina Finish, Add</i>	61.36	
10 14 19 00-0029	EA	15" High x 1-1/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	329.36	22.19
		<i>For Installation With Adhesive, Deduct</i>	-25.35	
		<i>For Oxidized Finish, Add</i>	36.08	
		<i>For Polished Or Patina Finish, Add</i>	72.17	
10 14 19 00-0030	EA	16" High x 1-1/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	342.44	23.87
		<i>For Installation With Adhesive, Deduct</i>	-26.67	
		<i>For Oxidized Finish, Add</i>	37.05	
		<i>For Polished Or Patina Finish, Add</i>	74.10	
10 14 19 00-0031	EA	18" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	482.76	27.75
		<i>For Installation With Adhesive, Deduct</i>	-35.24	
		<i>For Oxidized Finish, Add</i>	55.77	
		<i>For Polished Or Patina Finish, Add</i>	111.53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0032 EA 20" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Or Patina Finish, Add</i>	580.26 -41.50 68.31 136.62	31.22
10 14 19 00-0033 EA 24" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Or Patina Finish, Add</i>	736.04 -51.23 88.76 177.53	36.07
<b>10 14 19 00-0034 Molded Characters</b> <small>(10 14 19)</small> Note: Any font.		
<b>10 14 19 00-0035 Molded Plastic Characters</b> <small>(10 14 19 00-0034)</small>		
10 14 19 00-0036 EA 4" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i>	37.62 -4.10	5.55
10 14 19 00-0037 EA 5" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i>	40.79 -4.48	6.10
10 14 19 00-0038 EA 6" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i>	45.01 -4.91	6.66
10 14 19 00-0039 EA 8" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i>	57.10 -5.74	7.22
10 14 19 00-0040 EA 9" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i>	61.69 -6.19	7.77
10 14 19 00-0041 EA 10" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i>	66.77 -6.67	8.32
10 14 19 00-0042 EA 12" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i>	77.83 -7.78	9.71
10 14 19 00-0043 EA 15" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i>	102.31 -10.00	12.21
10 14 19 00-0044 EA 18" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i>	129.78 -12.26	14.43
10 14 19 00-0045 EA 24" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i>	190.63 -16.63	17.76
10 14 19 00-0046 EA 30" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i>	280.71 -22.36	20.82
10 14 19 00-0047 EA 36" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i>	367.05 -27.90	23.87
10 14 19 00-0048 EA 48" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i>	681.14 -46.82	31.91
<b>10 14 19 00-0049 Cutout Characters</b> <small>(10 14 19)</small> Note: Any font.		
<b>10 14 19 00-0050 Satin Finish, Aluminum Characters</b> <small>(10 14 19 00-0049)</small>		
<b>10 14 19 00-0051 1/4" Deep, Satin Finish, Aluminum Characters</b> <small>(10 14 19 00-0050)</small>		
10 14 19 00-0052 EA 2" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	45.17 -5.03 1.74 6.10 8.71 8.71 13.07	6.94
10 14 19 00-0053 EA 4" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	62.29 -6.33 3.01 10.54 15.05 15.05 22.58	8.04
10 14 19 00-0054 EA 6" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	83.20 -8.05 4.44 15.52 22.18 22.18 33.26	9.71
10 14 19 00-0055 EA 8" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	101.42 -9.51 5.70 19.96 28.51 28.51 42.77	11.10
10 14 19 00-0056 EA 10" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	116.47 -10.82 6.65 23.29 33.27 33.27 49.90	12.49
10 14 19 00-0057 EA 12" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	133.75 -12.46 7.60 26.61 38.02 38.02 57.02	14.43

**10 Specialties**  
**10 10 Information Specialties**  
**10 14 Signage**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
10 14 19 00-0058	EA 14" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	156.87	16.65
	<i>For Installation With Adhesive, Deduct</i>	-14.50	
	<i>For Clear Anodized, Add</i>	9.03	
	<i>For Satin Face And Enameled Return, Add</i>	31.60	
	<i>For Color Anodized, Add</i>	45.14	
	<i>For Polished Or Patina Finish, Add</i>	45.14	
	<i>For Polished Anodized Finish, Add</i>	67.71	
10 14 19 00-0059	EA 16" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	186.04	19.98
	<i>For Installation With Adhesive, Deduct</i>	-17.29	
	<i>For Clear Anodized, Add</i>	10.61	
	<i>For Satin Face And Enameled Return, Add</i>	37.14	
	<i>For Color Anodized, Add</i>	53.06	
	<i>For Polished Or Patina Finish, Add</i>	53.06	
	<i>For Polished Anodized Finish, Add</i>	79.59	
10 14 19 00-0060	EA 18" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	209.18	22.19
	<i>For Installation With Adhesive, Deduct</i>	-19.34	
	<i>For Clear Anodized, Add</i>	12.04	
	<i>For Satin Face And Enameled Return, Add</i>	42.13	
	<i>For Color Anodized, Add</i>	60.19	
	<i>For Polished Or Patina Finish, Add</i>	60.19	
	<i>For Polished Anodized Finish, Add</i>	90.29	
10 14 19 00-0061	EA 20" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	250.37	24.97
	<i>For Installation With Adhesive, Deduct</i>	-22.51	
	<i>For Clear Anodized, Add</i>	15.05	
	<i>For Satin Face And Enameled Return, Add</i>	52.66	
	<i>For Color Anodized, Add</i>	75.24	
	<i>For Polished Or Patina Finish, Add</i>	75.24	
	<i>For Polished Anodized Finish, Add</i>	112.85	
10 14 19 00-0062	EA 22" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	286.02	26.36
	<i>For Installation With Adhesive, Deduct</i>	-24.85	
	<i>For Clear Anodized, Add</i>	18.06	
	<i>For Satin Face And Enameled Return, Add</i>	63.20	
	<i>For Color Anodized, Add</i>	90.29	
	<i>For Polished Or Patina Finish, Add</i>	90.29	
	<i>For Polished Anodized Finish, Add</i>	135.43	
10 14 19 00-0063	EA 24" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	351.75	27.75
	<i>For Installation With Adhesive, Deduct</i>	-28.69	
	<i>For Clear Anodized, Add</i>	24.08	
	<i>For Satin Face And Enameled Return, Add</i>	84.27	
	<i>For Color Anodized, Add</i>	120.38	
	<i>For Polished Or Patina Finish, Add</i>	120.38	
	<i>For Polished Anodized Finish, Add</i>	180.57	
10 14 19 00-0064	EA 30" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	500.15	33.30
	<i>For Installation With Adhesive, Deduct</i>	-38.33	
	<i>For Clear Anodized, Add</i>	36.70	
	<i>For Satin Face And Enameled Return, Add</i>	128.43	
	<i>For Color Anodized, Add</i>	183.48	
	<i>For Polished Or Patina Finish, Add</i>	183.48	
	<i>For Polished Anodized Finish, Add</i>	275.21	
<b>10 14 19 00-0065</b>	<b>3/8" Deep, Satin Finish, Aluminum Characters (10 14 19 00-0060)</b>		
10 14 19 00-0066	EA 2" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	56.32	6.94
	<i>For Installation With Adhesive, Deduct</i>	-5.59	
	<i>For Clear Anodized, Add</i>	2.86	
	<i>For Satin Face And Enameled Return, Add</i>	10.00	
	<i>For Color Anodized, Add</i>	14.29	
	<i>For Polished Or Patina Finish, Add</i>	14.29	
	<i>For Polished Anodized Finish, Add</i>	21.43	
10 14 19 00-0067	EA 4" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	79.74	8.04
	<i>For Installation With Adhesive, Deduct</i>	-7.21	
	<i>For Clear Anodized, Add</i>	4.76	
	<i>For Satin Face And Enameled Return, Add</i>	16.64	
	<i>For Color Anodized, Add</i>	23.78	
	<i>For Polished Or Patina Finish, Add</i>	23.78	
	<i>For Polished Anodized Finish, Add</i>	35.66	
10 14 19 00-0068	EA 6" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	100.50	9.71
	<i>For Installation With Adhesive, Deduct</i>	-8.91	
	<i>For Clear Anodized, Add</i>	6.17	
	<i>For Satin Face And Enameled Return, Add</i>	21.58	
	<i>For Color Anodized, Add</i>	30.83	
	<i>For Polished Or Patina Finish, Add</i>	30.83	
	<i>For Polished Anodized Finish, Add</i>	46.24	
10 14 19 00-0069	EA 8" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	125.37	11.10
	<i>For Installation With Adhesive, Deduct</i>	-10.71	
	<i>For Clear Anodized, Add</i>	8.10	
	<i>For Satin Face And Enameled Return, Add</i>	28.34	
	<i>For Color Anodized, Add</i>	40.49	
	<i>For Polished Or Patina Finish, Add</i>	40.49	
	<i>For Polished Anodized Finish, Add</i>	60.73	
10 14 19 00-0070	EA 10" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	145.07	12.49
	<i>For Installation With Adhesive, Deduct</i>	-12.25	
	<i>For Clear Anodized, Add</i>	9.51	
	<i>For Satin Face And Enameled Return, Add</i>	33.30	
	<i>For Color Anodized, Add</i>	47.57	
	<i>For Polished Or Patina Finish, Add</i>	47.57	
	<i>For Polished Anodized Finish, Add</i>	71.35	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0071	EA	12" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	170.24 -14.28 11.25 39.38 56.26 56.26 84.39	14.43
10 14 19 00-0072	EA	14" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	199.31 -16.62 13.27 46.45 66.36 66.36 99.54	16.65
10 14 19 00-0073	EA	16" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	246.54 -20.32 16.66 58.32 83.31 83.31 124.97	19.98
10 14 19 00-0074	EA	18" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	285.02 -23.13 19.62 68.68 98.11 98.11 147.17	22.19
10 14 19 00-0075	EA	20" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	330.13 -26.50 23.02 80.58 115.12 115.12 172.67	24.97
10 14 19 00-0076	EA	22" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	369.08 -29.00 26.36 92.27 131.82 131.82 197.72	26.36
10 14 19 00-0077	EA	24" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	409.53 -31.58 29.85 104.49 149.27 149.27 223.91	27.75
10 14 19 00-0078	EA	30" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	560.87 -41.36 42.77 149.68 213.84 213.84 320.75	33.30
<b>10 14 19 00-0079</b>		<b>1/2" Deep, Satin Finish, Aluminum Characters</b> <small>(10 14 19 00-0050)</small>		
10 14 19 00-0080	EA	2" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	69.22 -6.24 4.15 14.51 20.74 20.74 31.10	6.94
10 14 19 00-0081	EA	4" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	89.07 -7.67 5.69 19.91 28.44 28.44 42.66	8.04
10 14 19 00-0082	EA	6" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	111.58 -9.46 7.27 25.46 36.37 36.37 54.55	9.71
10 14 19 00-0083	EA	8" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	131.64 -11.02 8.72 30.53 43.62 43.62 65.43	11.10

**10 Specialties**  
**10 10 Information Specialties**  
**10 14 Signage**



MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

10 14 19 00-0084	EA	10"	High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	153.05	12.49
			<i>For Installation With Adhesive, Deduct</i>	-12.65	
			<i>For Clear Anodized, Add</i>	10.31	
			<i>For Satin Face And Enameled Return, Add</i>	36.09	
			<i>For Color Anodized, Add</i>	51.56	
			<i>For Polished Or Patina Finish, Add</i>	51.56	
			<i>For Polished Anodized Finish, Add</i>	77.33	
10 14 19 00-0085	EA	12"	High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	187.73	14.43
			<i>For Installation With Adhesive, Deduct</i>	-15.16	
			<i>For Clear Anodized, Add</i>	13.00	
			<i>For Satin Face And Enameled Return, Add</i>	45.50	
			<i>For Color Anodized, Add</i>	65.01	
			<i>For Polished Or Patina Finish, Add</i>	65.01	
			<i>For Polished Anodized Finish, Add</i>	97.51	
10 14 19 00-0086	EA	14"	High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	230.91	16.65
			<i>For Installation With Adhesive, Deduct</i>	-18.20	
			<i>For Clear Anodized, Add</i>	16.43	
			<i>For Satin Face And Enameled Return, Add</i>	57.51	
			<i>For Color Anodized, Add</i>	82.16	
			<i>For Polished Or Patina Finish, Add</i>	82.16	
			<i>For Polished Anodized Finish, Add</i>	123.24	
10 14 19 00-0087	EA	16"	High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	279.43	19.98
			<i>For Installation With Adhesive, Deduct</i>	-21.96	
			<i>For Clear Anodized, Add</i>	19.95	
			<i>For Satin Face And Enameled Return, Add</i>	69.83	
			<i>For Color Anodized, Add</i>	99.76	
			<i>For Polished Or Patina Finish, Add</i>	99.76	
			<i>For Polished Anodized Finish, Add</i>	149.63	
10 14 19 00-0088	EA	18"	High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	337.99	22.19
			<i>For Installation With Adhesive, Deduct</i>	-25.78	
			<i>For Clear Anodized, Add</i>	24.92	
			<i>For Satin Face And Enameled Return, Add</i>	87.22	
			<i>For Color Anodized, Add</i>	124.60	
			<i>For Polished Or Patina Finish, Add</i>	124.60	
			<i>For Polished Anodized Finish, Add</i>	186.89	
10 14 19 00-0089	EA	20"	High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	397.84	24.97
			<i>For Installation With Adhesive, Deduct</i>	-29.88	
			<i>For Clear Anodized, Add</i>	29.79	
			<i>For Satin Face And Enameled Return, Add</i>	104.28	
			<i>For Color Anodized, Add</i>	148.97	
			<i>For Polished Or Patina Finish, Add</i>	148.97	
			<i>For Polished Anodized Finish, Add</i>	223.46	
10 14 19 00-0090	EA	22"	High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	455.76	26.36
			<i>For Installation With Adhesive, Deduct</i>	-33.33	
			<i>For Clear Anodized, Add</i>	35.03	
			<i>For Satin Face And Enameled Return, Add</i>	122.61	
			<i>For Color Anodized, Add</i>	175.16	
			<i>For Polished Or Patina Finish, Add</i>	175.16	
			<i>For Polished Anodized Finish, Add</i>	262.73	
10 14 19 00-0091	EA	24"	High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	510.65	27.75
			<i>For Installation With Adhesive, Deduct</i>	-36.63	
			<i>For Clear Anodized, Add</i>	39.97	
			<i>For Satin Face And Enameled Return, Add</i>	139.88	
			<i>For Color Anodized, Add</i>	199.83	
			<i>For Polished Or Patina Finish, Add</i>	199.83	
			<i>For Polished Anodized Finish, Add</i>	299.75	
10 14 19 00-0092	EA	30"	High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	706.27	33.30
			<i>For Installation With Adhesive, Deduct</i>	-48.63	
			<i>For Clear Anodized, Add</i>	57.31	
			<i>For Satin Face And Enameled Return, Add</i>	200.57	
			<i>For Color Anodized, Add</i>	286.54	
			<i>For Polished Or Patina Finish, Add</i>	286.54	
			<i>For Polished Anodized Finish, Add</i>	429.80	
10 14 19 00-0093			<b>3/4" Deep, Satin Finish, Aluminum Characters</b> <small>(10 14 19 00-0050)</small>		
10 14 19 00-0094	EA	2"	High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	72.18	6.94
			<i>For Installation With Adhesive, Deduct</i>	-6.38	
			<i>For Clear Anodized, Add</i>	4.44	
			<i>For Satin Face And Enameled Return, Add</i>	15.55	
			<i>For Color Anodized, Add</i>	22.22	
			<i>For Polished Or Patina Finish, Add</i>	22.22	
			<i>For Polished Anodized Finish, Add</i>	33.32	
10 14 19 00-0095	EA	4"	High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	92.38	8.04
			<i>For Installation With Adhesive, Deduct</i>	-7.84	
			<i>For Clear Anodized, Add</i>	6.02	
			<i>For Satin Face And Enameled Return, Add</i>	21.07	
			<i>For Color Anodized, Add</i>	30.10	
			<i>For Polished Or Patina Finish, Add</i>	30.10	
			<i>For Polished Anodized Finish, Add</i>	45.14	
10 14 19 00-0096	EA	6"	High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	121.34	9.71
			<i>For Installation With Adhesive, Deduct</i>	-9.95	
			<i>For Clear Anodized, Add</i>	8.25	
			<i>For Satin Face And Enameled Return, Add</i>	28.87	
			<i>For Color Anodized, Add</i>	41.25	
			<i>For Polished Or Patina Finish, Add</i>	41.25	
			<i>For Polished Anodized Finish, Add</i>	61.87	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0097	EA		8" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	160.15 -12.45 11.58 40.51 57.88 57.88 86.81	11.10
10 14 19 00-0098	EA		10" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	200.29 -15.01 15.04 52.62 75.18 75.18 112.76	12.49
10 14 19 00-0099	EA		12" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	250.83 -18.31 19.31 67.59 96.56 96.56 144.83	14.43
10 14 19 00-0100	EA		14" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	312.17 -22.27 24.56 85.95 122.79 122.79 184.19	16.65
10 14 19 00-0101	EA		16" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	385.56 -27.27 30.56 106.97 152.82 152.82 229.23	19.98
10 14 19 00-0102	EA		18" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	470.40 -32.40 38.16 133.56 190.80 190.80 286.20	22.19
10 14 19 00-0103	EA		20" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	558.85 -37.93 45.90 160.63 229.48 229.48 344.21	24.97
10 14 19 00-0104	EA		22" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	647.16 -42.90 54.17 189.60 270.86 270.86 406.28	26.36
10 14 19 00-0105	EA		24" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	739.37 -48.07 62.84 219.93 314.19 314.19 471.29	27.75
10 14 19 00-0106	EA		30" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	1,014.19 -64.03 88.10 308.35 440.50 440.50 660.74	33.30
10 14 19 00-0107			<b>1" Deep, Satin Finish, Aluminum Characters</b> <small>(10 14 19 00-0050)</small>		
10 14 19 00-0108	EA		2" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	80.02 -6.78 5.23 18.29 26.14 26.14 39.20	6.94
10 14 19 00-0109	EA		4" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	98.70 -8.15 6.65 23.28 33.26 33.26 49.88	8.04

## 10 Specialties

## 10 10 Information Specialties

## 10 14 Signage

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0110	EA		6" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	129.33	9.71
			<i>For Installation With Adhesive, Deduct</i>	-10.35	
			<i>For Clear Anodized, Add</i>	9.05	
			<i>For Satin Face And Enameled Return, Add</i>	31.67	
			<i>For Color Anodized, Add</i>	45.24	
			<i>For Polished Or Patina Finish, Add</i>	45.24	
			<i>For Polished Anodized Finish, Add</i>	67.86	
10 14 19 00-0111	EA		8" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	176.12	11.10
			<i>For Installation With Adhesive, Deduct</i>	-13.25	
			<i>For Clear Anodized, Add</i>	13.17	
			<i>For Satin Face And Enameled Return, Add</i>	46.10	
			<i>For Color Anodized, Add</i>	65.86	
			<i>For Polished Or Patina Finish, Add</i>	65.86	
			<i>For Polished Anodized Finish, Add</i>	98.79	
10 14 19 00-0112	EA		10" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	238.21	12.49
			<i>For Installation With Adhesive, Deduct</i>	-16.90	
			<i>For Clear Anodized, Add</i>	18.83	
			<i>For Satin Face And Enameled Return, Add</i>	65.89	
			<i>For Color Anodized, Add</i>	94.14	
			<i>For Polished Or Patina Finish, Add</i>	94.14	
			<i>For Polished Anodized Finish, Add</i>	141.20	
10 14 19 00-0113	EA		12" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	310.90	14.43
			<i>For Installation With Adhesive, Deduct</i>	-21.32	
			<i>For Clear Anodized, Add</i>	25.32	
			<i>For Satin Face And Enameled Return, Add</i>	88.61	
			<i>For Color Anodized, Add</i>	126.59	
			<i>For Polished Or Patina Finish, Add</i>	126.59	
			<i>For Polished Anodized Finish, Add</i>	189.89	
10 14 19 00-0114	EA		14" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	392.52	16.65
			<i>For Installation With Adhesive, Deduct</i>	-26.29	
			<i>For Clear Anodized, Add</i>	32.59	
			<i>For Satin Face And Enameled Return, Add</i>	114.08	
			<i>For Color Anodized, Add</i>	162.97	
			<i>For Polished Or Patina Finish, Add</i>	162.97	
			<i>For Polished Anodized Finish, Add</i>	244.45	
10 14 19 00-0115	EA		16" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	487.44	19.98
			<i>For Installation With Adhesive, Deduct</i>	-32.36	
			<i>For Clear Anodized, Add</i>	40.75	
			<i>For Satin Face And Enameled Return, Add</i>	142.63	
			<i>For Color Anodized, Add</i>	203.76	
			<i>For Polished Or Patina Finish, Add</i>	203.76	
			<i>For Polished Anodized Finish, Add</i>	305.64	
10 14 19 00-0116	EA		18" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	589.58	22.19
			<i>For Installation With Adhesive, Deduct</i>	-38.36	
			<i>For Clear Anodized, Add</i>	50.08	
			<i>For Satin Face And Enameled Return, Add</i>	175.27	
			<i>For Color Anodized, Add</i>	250.39	
			<i>For Polished Or Patina Finish, Add</i>	250.39	
			<i>For Polished Anodized Finish, Add</i>	375.59	
10 14 19 00-0117	EA		20" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	724.37	24.97
			<i>For Installation With Adhesive, Deduct</i>	-46.21	
			<i>For Clear Anodized, Add</i>	62.45	
			<i>For Satin Face And Enameled Return, Add</i>	218.56	
			<i>For Color Anodized, Add</i>	312.24	
			<i>For Polished Or Patina Finish, Add</i>	312.24	
			<i>For Polished Anodized Finish, Add</i>	468.35	
10 14 19 00-0118	EA		22" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	862.04	26.36
			<i>For Installation With Adhesive, Deduct</i>	-53.65	
			<i>For Clear Anodized, Add</i>	75.66	
			<i>For Satin Face And Enameled Return, Add</i>	264.81	
			<i>For Color Anodized, Add</i>	378.30	
			<i>For Polished Or Patina Finish, Add</i>	378.30	
			<i>For Polished Anodized Finish, Add</i>	567.44	
10 14 19 00-0119	EA		24" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	1,016.25	27.75
			<i>For Installation With Adhesive, Deduct</i>	-61.91	
			<i>For Clear Anodized, Add</i>	90.53	
			<i>For Satin Face And Enameled Return, Add</i>	316.84	
			<i>For Color Anodized, Add</i>	452.63	
			<i>For Polished Or Patina Finish, Add</i>	452.63	
			<i>For Polished Anodized Finish, Add</i>	678.95	
10 14 19 00-0120	EA		30" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	1,433.30	33.30
			<i>For Installation With Adhesive, Deduct</i>	-84.99	
			<i>For Clear Anodized, Add</i>	130.01	
			<i>For Satin Face And Enameled Return, Add</i>	455.04	
			<i>For Color Anodized, Add</i>	650.05	
			<i>For Polished Or Patina Finish, Add</i>	650.05	
			<i>For Polished Anodized Finish, Add</i>	975.08	
10 14 19 00-0121			Satin Finish, Brass Characters <small>(10 14 19 00-0049)</small>		
10 14 19 00-0122			1/4" Deep, Satin Finish, Brass Characters <small>(10 14 19 00-0121)</small>		
10 14 19 00-0123	EA		2" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	58.16	6.94
			<i>For Installation With Adhesive, Deduct</i>	-5.68	
			<i>For Oxidized Finish, Add</i>	4.56	
			<i>For Polished Finish, Add</i>	9.12	
10 14 19 00-0124	EA		4" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	74.51	8.04
			<i>For Installation With Adhesive, Deduct</i>	-6.94	
			<i>For Oxidized Finish, Add</i>	6.35	
			<i>For Polished Finish, Add</i>	12.70	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0125	EA		6" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	101.85 -8.98 9.45 18.90	9.71
10 14 19 00-0126	EA		8" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	132.38 -11.06 13.20 26.39	11.10
10 14 19 00-0127	EA		10" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	168.33 -13.41 17.76 35.52	12.49
10 14 19 00-0128	EA		12" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	211.96 -16.37 23.14 46.27	14.43
10 14 19 00-0129	EA		14" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	264.28 -19.87 29.65 59.31	16.65
10 14 19 00-0130	EA		16" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	322.14 -24.10 36.33 72.67	19.98
10 14 19 00-0131	EA		18" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	389.83 -28.37 45.15 90.31	22.19
10 14 19 00-0132	EA		20" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	462.69 -33.12 54.42 108.84	24.97
10 14 19 00-0133	EA		22" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	565.99 -38.84 69.08 138.16	26.36
10 14 19 00-0134	EA		24" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	619.94 -42.10 76.34 152.69	27.75
10 14 19 00-0135	EA		30" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	926.79 -59.66 119.04 238.08	33.30
<b>10 14 19 00-0136</b>			<b>3/8" Deep, Satin Finish, Brass Characters</b> <small>(10 14 19 00-0121)</small>		
10 14 19 00-0137	EA		2" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	68.81 -6.22 6.16 12.32	6.94
10 14 19 00-0138	EA		4" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	89.32 -7.69 8.57 17.14	8.04
10 14 19 00-0139	EA		6" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	127.05 -10.24 13.23 26.46	9.71
10 14 19 00-0140	EA		8" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	167.57 -12.82 18.48 36.95	11.10
10 14 19 00-0141	EA		10" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	221.61 -16.07 25.75 51.50	12.49
10 14 19 00-0142	EA		12" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	281.37 -19.84 33.55 67.10	14.43
10 14 19 00-0143	EA		14" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	353.23 -24.32 43.00 85.99	16.65
10 14 19 00-0144	EA		16" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	419.03 -28.94 50.87 101.73	19.98
10 14 19 00-0145	EA		18" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	525.29 -35.14 65.47 130.95	22.19
10 14 19 00-0146	EA		20" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	607.80 -40.38 76.19 152.37	24.97

**10 Specialties**  
**10 10 Information Specialties**  
**10 14 Signage**



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
10 14 19 00-0147	EA	22" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	745.60		26.36
		For Installation With Adhesive, Deduct	-47.83		
		For Oxidized Finish, Add	96.02		
		For Polished Finish, Add	192.05		
10 14 19 00-0148	EA	24" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	848.97		27.75
		For Installation With Adhesive, Deduct	-53.55		
		For Oxidized Finish, Add	110.70		
		For Polished Finish, Add	221.39		
10 14 19 00-0149	EA	30" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	1,172.80		33.30
		For Installation With Adhesive, Deduct	-71.96		
		For Oxidized Finish, Add	155.94		
		For Polished Finish, Add	311.88		
<b>10 14 19 00-0150</b>		<b>1/2" Deep, Satin Finish, Brass Characters</b> <small>(10 14 19 00-0121)</small>			
10 14 19 00-0151	EA	2" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	85.53		6.94
		For Installation With Adhesive, Deduct	-7.05		
		For Oxidized Finish, Add	8.67		
		For Polished Finish, Add	17.33		
10 14 19 00-0152	EA	4" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	110.48		8.04
		For Installation With Adhesive, Deduct	-8.74		
		For Oxidized Finish, Add	11.74		
		For Polished Finish, Add	23.49		
10 14 19 00-0153	EA	6" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	158.55		9.71
		For Installation With Adhesive, Deduct	-11.81		
		For Oxidized Finish, Add	17.96		
		For Polished Finish, Add	35.91		
10 14 19 00-0154	EA	8" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	215.96		11.10
		For Installation With Adhesive, Deduct	-15.24		
		For Oxidized Finish, Add	25.73		
		For Polished Finish, Add	51.47		
10 14 19 00-0155	EA	10" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	298.57		12.49
		For Installation With Adhesive, Deduct	-19.92		
		For Oxidized Finish, Add	37.29		
		For Polished Finish, Add	74.59		
10 14 19 00-0156	EA	12" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	397.04		14.43
		For Installation With Adhesive, Deduct	-25.62		
		For Oxidized Finish, Add	50.90		
		For Polished Finish, Add	101.80		
10 14 19 00-0157	EA	14" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	491.61		16.65
		For Installation With Adhesive, Deduct	-31.24		
		For Oxidized Finish, Add	63.75		
		For Polished Finish, Add	127.51		
10 14 19 00-0158	EA	16" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	586.16		19.98
		For Installation With Adhesive, Deduct	-37.30		
		For Oxidized Finish, Add	75.94		
		For Polished Finish, Add	151.87		
10 14 19 00-0159	EA	18" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	796.22		22.19
		For Installation With Adhesive, Deduct	-48.69		
		For Oxidized Finish, Add	106.11		
		For Polished Finish, Add	212.23		
10 14 19 00-0160	EA	20" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	898.03		24.97
		For Installation With Adhesive, Deduct	-54.89		
		For Oxidized Finish, Add	119.72		
		For Polished Finish, Add	239.44		
10 14 19 00-0161	EA	22" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	1,118.64		26.36
		For Installation With Adhesive, Deduct	-66.48		
		For Oxidized Finish, Add	151.98		
		For Polished Finish, Add	303.96		
10 14 19 00-0162	EA	24" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	1,307.03		27.75
		For Installation With Adhesive, Deduct	-76.45		
		For Oxidized Finish, Add	179.41		
		For Polished Finish, Add	358.81		
10 14 19 00-0163	EA	30" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	1,966.38		33.30
		For Installation With Adhesive, Deduct	-111.64		
		For Oxidized Finish, Add	274.98		
		For Polished Finish, Add	549.95		
<b>10 14 19 00-0164</b>		<b>3/4" Deep, Satin Finish, Brass Characters</b> <small>(10 14 19 00-0121)</small>			
10 14 19 00-0165	EA	2" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	103.78		6.94
		For Installation With Adhesive, Deduct	-7.96		
		For Oxidized Finish, Add	11.40		
		For Polished Finish, Add	22.81		
10 14 19 00-0166	EA	4" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	144.34		8.04
		For Installation With Adhesive, Deduct	-10.44		
		For Oxidized Finish, Add	16.82		
		For Polished Finish, Add	33.65		
10 14 19 00-0167	EA	6" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	196.35		9.71
		For Installation With Adhesive, Deduct	-13.70		
		For Oxidized Finish, Add	23.63		
		For Polished Finish, Add	47.25		
10 14 19 00-0168	EA	8" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	264.35		11.10
		For Installation With Adhesive, Deduct	-17.66		
		For Oxidized Finish, Add	32.99		
		For Polished Finish, Add	65.99		
10 14 19 00-0169	EA	10" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	357.76		12.49
		For Installation With Adhesive, Deduct	-22.88		
		For Oxidized Finish, Add	46.17		
		For Polished Finish, Add	92.35		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0170 EA 12" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	489.59	14.43
<i>For Installation With Adhesive, Deduct</i>	-30.25	
<i>For Oxidized Finish, Add</i>	64.78	
<i>For Polished Finish, Add</i>	129.56	
10 14 19 00-0171 EA 14" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	610.22	16.65
<i>For Installation With Adhesive, Deduct</i>	-37.17	
<i>For Oxidized Finish, Add</i>	81.54	
<i>For Polished Finish, Add</i>	163.09	
10 14 19 00-0172 EA 16" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	712.11	19.98
<i>For Installation With Adhesive, Deduct</i>	-43.60	
<i>For Oxidized Finish, Add</i>	94.83	
<i>For Polished Finish, Add</i>	189.66	
10 14 19 00-0173 EA 18" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	946.73	22.19
<i>For Installation With Adhesive, Deduct</i>	-56.22	
<i>For Oxidized Finish, Add</i>	128.69	
<i>For Polished Finish, Add</i>	257.38	
10 14 19 00-0174 EA 20" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	1,035.89	24.97
<i>For Installation With Adhesive, Deduct</i>	-61.78	
<i>For Oxidized Finish, Add</i>	140.40	
<i>For Polished Finish, Add</i>	280.80	
10 14 19 00-0175 EA 22" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	1,312.07	26.36
<i>For Installation With Adhesive, Deduct</i>	-76.15	
<i>For Oxidized Finish, Add</i>	180.99	
<i>For Polished Finish, Add</i>	361.99	
10 14 19 00-0176 EA 24" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	1,663.30	27.75
<i>For Installation With Adhesive, Deduct</i>	-94.26	
<i>For Oxidized Finish, Add</i>	232.85	
<i>For Polished Finish, Add</i>	465.69	
10 14 19 00-0177 EA 30" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	2,506.02	33.30
<i>For Installation With Adhesive, Deduct</i>	-138.62	
<i>For Oxidized Finish, Add</i>	355.92	
<i>For Polished Finish, Add</i>	711.85	
<b>10 14 19 00-0178 Satin Finish, Bronze Characters <small>(10 14 19 00-0049)</small></b>		
<b>10 14 19 00-0179 1/4" Deep, Satin Finish, Bronze Characters <small>(10 14 19 00-0178)</small></b>		
10 14 19 00-0180 EA 2" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	62.77	6.94
<i>For Installation With Adhesive, Deduct</i>	-5.91	
<i>For Oxidized Finish, Add</i>	5.25	
<i>For Polished Or Patina Finish, Add</i>	10.51	
10 14 19 00-0181 EA 4" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	80.97	8.04
<i>For Installation With Adhesive, Deduct</i>	-7.27	
<i>For Oxidized Finish, Add</i>	7.32	
<i>For Polished Or Patina Finish, Add</i>	14.63	
10 14 19 00-0182 EA 6" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	111.39	9.71
<i>For Installation With Adhesive, Deduct</i>	-9.45	
<i>For Oxidized Finish, Add</i>	10.88	
<i>For Polished Or Patina Finish, Add</i>	21.76	
10 14 19 00-0183 EA 8" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	145.70	11.10
<i>For Installation With Adhesive, Deduct</i>	-11.73	
<i>For Oxidized Finish, Add</i>	15.20	
<i>For Polished Or Patina Finish, Add</i>	30.39	
10 14 19 00-0184 EA 10" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	186.26	12.49
<i>For Installation With Adhesive, Deduct</i>	-14.31	
<i>For Oxidized Finish, Add</i>	20.45	
<i>For Polished Or Patina Finish, Add</i>	40.90	
10 14 19 00-0185 EA 12" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	235.32	14.43
<i>For Installation With Adhesive, Deduct</i>	-17.54	
<i>For Oxidized Finish, Add</i>	26.64	
<i>For Polished Or Patina Finish, Add</i>	53.28	
10 14 19 00-0186 EA 14" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	294.21	16.65
<i>For Installation With Adhesive, Deduct</i>	-21.37	
<i>For Oxidized Finish, Add</i>	34.14	
<i>For Polished Or Patina Finish, Add</i>	68.29	
10 14 19 00-0187 EA 16" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	365.07	19.98
<i>For Installation With Adhesive, Deduct</i>	-26.25	
<i>For Oxidized Finish, Add</i>	42.77	
<i>For Polished Or Patina Finish, Add</i>	85.55	
10 14 19 00-0188 EA 18" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	436.49	22.19
<i>For Installation With Adhesive, Deduct</i>	-30.70	
<i>For Oxidized Finish, Add</i>	52.15	
<i>For Polished Or Patina Finish, Add</i>	104.31	
10 14 19 00-0189 EA 20" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	517.63	24.97
<i>For Installation With Adhesive, Deduct</i>	-35.87	
<i>For Oxidized Finish, Add</i>	62.66	
<i>For Polished Or Patina Finish, Add</i>	125.32	
10 14 19 00-0190 EA 22" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	603.22	26.36
<i>For Installation With Adhesive, Deduct</i>	-40.71	
<i>For Oxidized Finish, Add</i>	74.67	
<i>For Polished Or Patina Finish, Add</i>	149.33	
10 14 19 00-0191 EA 24" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	697.56	27.75
<i>For Installation With Adhesive, Deduct</i>	-45.98	
<i>For Oxidized Finish, Add</i>	87.99	
<i>For Polished Or Patina Finish, Add</i>	175.97	
10 14 19 00-0192 EA 30" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	1,056.20	33.30
<i>For Installation With Adhesive, Deduct</i>	-66.13	
<i>For Oxidized Finish, Add</i>	138.45	
<i>For Polished Or Patina Finish, Add</i>	276.90	

## 10 Specialties

## 10 10 Information Specialties

## 10 14 Signage

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0193			<b>3/8" Deep, Satin Finish, Bronze Characters</b> <small>(10 14 19 00-0178)</small>		
10 14 19 00-0194	EA		2" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	73.97	6.94
			For Installation With Adhesive, Deduct	-6.47	
			For Oxidized Finish, Add	6.93	
			For Polished Or Patina Finish, Add	13.87	
10 14 19 00-0195	EA		4" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	96.09	8.04
			For Installation With Adhesive, Deduct	-8.02	
			For Oxidized Finish, Add	9.59	
			For Polished Or Patina Finish, Add	19.17	
10 14 19 00-0196	EA		6" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	138.95	9.71
			For Installation With Adhesive, Deduct	-10.83	
			For Oxidized Finish, Add	15.02	
			For Polished Or Patina Finish, Add	30.03	
10 14 19 00-0197	EA		8" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	183.19	11.10
			For Installation With Adhesive, Deduct	-13.60	
			For Oxidized Finish, Add	20.82	
			For Polished Or Patina Finish, Add	41.64	
10 14 19 00-0198	EA		10" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	247.61	12.49
			For Installation With Adhesive, Deduct	-17.37	
			For Oxidized Finish, Add	29.65	
			For Polished Or Patina Finish, Add	59.30	
10 14 19 00-0199	EA		12" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	313.46	14.43
			For Installation With Adhesive, Deduct	-21.45	
			For Oxidized Finish, Add	38.36	
			For Polished Or Patina Finish, Add	76.72	
10 14 19 00-0200	EA		14" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	392.09	16.65
			For Installation With Adhesive, Deduct	-26.26	
			For Oxidized Finish, Add	48.83	
			For Polished Or Patina Finish, Add	97.65	
10 14 19 00-0201	EA		16" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	484.84	19.98
			For Installation With Adhesive, Deduct	-32.23	
			For Oxidized Finish, Add	60.74	
			For Polished Or Patina Finish, Add	121.48	
10 14 19 00-0202	EA		18" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	585.99	22.19
			For Installation With Adhesive, Deduct	-38.18	
			For Oxidized Finish, Add	74.58	
			For Polished Or Patina Finish, Add	149.16	
10 14 19 00-0203	EA		20" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	697.25	24.97
			For Installation With Adhesive, Deduct	-44.85	
			For Oxidized Finish, Add	89.60	
			For Polished Or Patina Finish, Add	179.21	
10 14 19 00-0204	EA		22" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	817.26	26.36
			For Installation With Adhesive, Deduct	-51.41	
			For Oxidized Finish, Add	106.77	
			For Polished Or Patina Finish, Add	213.54	
10 14 19 00-0205	EA		24" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	926.32	27.75
			For Installation With Adhesive, Deduct	-57.42	
			For Oxidized Finish, Add	122.30	
			For Polished Or Patina Finish, Add	244.60	
10 14 19 00-0206	EA		30" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	1,268.49	33.30
			For Installation With Adhesive, Deduct	-76.74	
			For Oxidized Finish, Add	170.29	
			For Polished Or Patina Finish, Add	340.59	
10 14 19 00-0207			<b>1/2" Deep, Satin Finish, Bronze Characters</b> <small>(10 14 19 00-0178)</small>		
10 14 19 00-0208	EA		2" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	76.43	6.94
			For Installation With Adhesive, Deduct	-6.60	
			For Oxidized Finish, Add	7.30	
			For Polished Or Patina Finish, Add	14.60	
10 14 19 00-0209	EA		4" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	113.65	8.04
			For Installation With Adhesive, Deduct	-8.90	
			For Oxidized Finish, Add	12.22	
			For Polished Or Patina Finish, Add	24.44	
10 14 19 00-0210	EA		6" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	161.44	9.71
			For Installation With Adhesive, Deduct	-11.96	
			For Oxidized Finish, Add	18.39	
			For Polished Or Patina Finish, Add	36.78	
10 14 19 00-0211	EA		8" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	221.68	11.10
			For Installation With Adhesive, Deduct	-15.52	
			For Oxidized Finish, Add	26.59	
			For Polished Or Patina Finish, Add	53.18	
10 14 19 00-0212	EA		10" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	302.14	12.49
			For Installation With Adhesive, Deduct	-20.10	
			For Oxidized Finish, Add	37.83	
			For Polished Or Patina Finish, Add	75.66	
10 14 19 00-0213	EA		12" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	411.14	14.43
			For Installation With Adhesive, Deduct	-26.33	
			For Oxidized Finish, Add	53.01	
			For Polished Or Patina Finish, Add	106.03	
10 14 19 00-0214	EA		14" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	533.22	16.65
			For Installation With Adhesive, Deduct	-33.32	
			For Oxidized Finish, Add	69.99	
			For Polished Or Patina Finish, Add	139.99	
10 14 19 00-0215	EA		16" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	667.34	19.98
			For Installation With Adhesive, Deduct	-41.36	
			For Oxidized Finish, Add	88.11	
			For Polished Or Patina Finish, Add	176.23	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0216 EA 18" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	818.94	22.19
For Installation With Adhesive, Deduct	-49.83	
For Oxidized Finish, Add	109.52	
For Polished Or Patina Finish, Add	219.04	
10 14 19 00-0217 EA 20" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	981.30	24.97
For Installation With Adhesive, Deduct	-59.06	
For Oxidized Finish, Add	132.21	
For Polished Or Patina Finish, Add	264.42	
10 14 19 00-0218 EA 22" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	1,160.72	26.36
For Installation With Adhesive, Deduct	-68.58	
For Oxidized Finish, Add	158.29	
For Polished Or Patina Finish, Add	316.58	
10 14 19 00-0219 EA 24" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	1,348.65	27.75
For Installation With Adhesive, Deduct	-78.53	
For Oxidized Finish, Add	185.65	
For Polished Or Patina Finish, Add	371.30	
10 14 19 00-0220 EA 30" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	1,886.90	33.30
For Installation With Adhesive, Deduct	-107.67	
For Oxidized Finish, Add	263.06	
For Polished Or Patina Finish, Add	526.11	
<b>10 14 19 00-0221 Satin Finish, Copper Characters (10 14 19 00-0049)</b>		
<b>10 14 19 00-0222 1/4" Deep, Satin Finish, Copper Characters (10 14 19 00-0221)</b>		
10 14 19 00-0223 EA 2" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs .....	58.16	6.94
For Installation With Adhesive, Deduct	-5.68	
For Polished Finish, Add	9.12	
10 14 19 00-0224 EA 4" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs .....	75.64	8.04
For Installation With Adhesive, Deduct	-7.00	
For Polished Finish, Add	13.04	
10 14 19 00-0225 EA 6" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs .....	106.19	9.71
For Installation With Adhesive, Deduct	-9.19	
For Polished Finish, Add	20.20	
10 14 19 00-0226 EA 8" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs .....	139.98	11.10
For Installation With Adhesive, Deduct	-11.44	
For Polished Finish, Add	28.67	
10 14 19 00-0227 EA 10" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs .....	177.02	12.49
For Installation With Adhesive, Deduct	-13.85	
For Polished Finish, Add	38.12	
10 14 19 00-0228 EA 12" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs .....	224.99	14.43
For Installation With Adhesive, Deduct	-17.02	
For Polished Finish, Add	50.18	
10 14 19 00-0229 EA 14" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs .....	281.65	16.65
For Installation With Adhesive, Deduct	-20.74	
For Polished Finish, Add	64.52	
10 14 19 00-0230 EA 16" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs .....	347.12	19.98
For Installation With Adhesive, Deduct	-25.35	
For Polished Finish, Add	80.16	
10 14 19 00-0231 EA 18" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs .....	415.74	22.19
For Installation With Adhesive, Deduct	-29.67	
For Polished Finish, Add	98.08	
10 14 19 00-0232 EA 20" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs .....	492.01	24.97
For Installation With Adhesive, Deduct	-34.59	
For Polished Finish, Add	117.63	
10 14 19 00-0233 EA 22" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs .....	573.61	26.36
For Installation With Adhesive, Deduct	-39.23	
For Polished Finish, Add	140.45	
10 14 19 00-0234 EA 24" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs .....	661.68	27.75
For Installation With Adhesive, Deduct	-44.18	
For Polished Finish, Add	165.21	
10 14 19 00-0235 EA 30" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs .....	948.35	33.30
For Installation With Adhesive, Deduct	-60.74	
For Polished Finish, Add	244.55	
<b>10 14 19 00-0236 3/8" Deep, Satin Finish, Copper Characters (10 14 19 00-0221)</b>		
10 14 19 00-0237 EA 2" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs .....	65.77	6.94
For Installation With Adhesive, Deduct	-6.06	
For Polished Finish, Add	11.41	
10 14 19 00-0238 EA 4" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs .....	88.67	8.04
For Installation With Adhesive, Deduct	-7.65	
For Polished Finish, Add	16.94	
10 14 19 00-0239 EA 6" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs .....	129.76	9.71
For Installation With Adhesive, Deduct	-10.37	
For Polished Finish, Add	27.27	
10 14 19 00-0240 EA 8" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs .....	178.22	11.10
For Installation With Adhesive, Deduct	-13.35	
For Polished Finish, Add	40.15	
10 14 19 00-0241 EA 10" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs .....	240.57	12.49
For Installation With Adhesive, Deduct	-17.02	
For Polished Finish, Add	57.19	
10 14 19 00-0242 EA 12" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs .....	300.26	14.43
For Installation With Adhesive, Deduct	-20.79	
For Polished Finish, Add	72.76	
10 14 19 00-0243 EA 14" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs .....	378.43	16.65
For Installation With Adhesive, Deduct	-25.58	
For Polished Finish, Add	93.55	

**10 Specialties**  
**10 10 Information Specialties**  
**10 14 Signage**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
10 14 19 00-0244	EA	16" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	467.36	19.98
		<i>For Installation With Adhesive, Deduct</i>	-31.36	
		<i>For Polished Finish, Add</i>	116.23	
10 14 19 00-0245	EA	18" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	562.86	22.19
		<i>For Installation With Adhesive, Deduct</i>	-37.02	
		<i>For Polished Finish, Add</i>	142.22	
10 14 19 00-0246	EA	20" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	668.46	24.97
		<i>For Installation With Adhesive, Deduct</i>	-43.41	
		<i>For Polished Finish, Add</i>	170.57	
10 14 19 00-0247	EA	22" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	784.28	26.36
		<i>For Installation With Adhesive, Deduct</i>	-49.76	
		<i>For Polished Finish, Add</i>	203.65	
10 14 19 00-0248	EA	24" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	881.96	27.75
		<i>For Installation With Adhesive, Deduct</i>	-55.20	
		<i>For Polished Finish, Add</i>	231.29	
10 14 19 00-0249	EA	30" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	1,233.66	33.30
		<i>For Installation With Adhesive, Deduct</i>	-75.00	
		<i>For Polished Finish, Add</i>	330.14	
10 14 19 00-0250		Satin Finish, Stainless Steel Characters <small>(10 14 19 00-0049)</small>		
10 14 19 00-0251		1/4" Deep, Satin Finish, Stainless Steel Characters <small>(10 14 19 00-0250)</small>		
10 14 19 00-0252	EA	2" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	56.29	6.94
		<i>For Installation With Adhesive, Deduct</i>	-5.59	
		<i>For Polished Finish, Add</i>	8.56	
10 14 19 00-0253	EA	4" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	73.57	8.04
		<i>For Installation With Adhesive, Deduct</i>	-6.90	
		<i>For Polished Finish, Add</i>	12.41	
10 14 19 00-0254	EA	6" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	94.50	9.71
		<i>For Installation With Adhesive, Deduct</i>	-8.61	
		<i>For Polished Finish, Add</i>	16.70	
10 14 19 00-0255	EA	8" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	121.45	11.10
		<i>For Installation With Adhesive, Deduct</i>	-10.51	
		<i>For Polished Finish, Add</i>	23.12	
10 14 19 00-0256	EA	10" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	148.39	12.49
		<i>For Installation With Adhesive, Deduct</i>	-12.41	
		<i>For Polished Finish, Add</i>	29.54	
10 14 19 00-0257	EA	12" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	181.86	14.43
		<i>For Installation With Adhesive, Deduct</i>	-14.87	
		<i>For Polished Finish, Add</i>	37.24	
10 14 19 00-0258	EA	14" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	217.84	16.65
		<i>For Installation With Adhesive, Deduct</i>	-17.55	
		<i>For Polished Finish, Add</i>	45.38	
10 14 19 00-0259	EA	16" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	261.13	19.98
		<i>For Installation With Adhesive, Deduct</i>	-21.05	
		<i>For Polished Finish, Add</i>	54.36	
10 14 19 00-0260	EA	18" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	304.25	22.19
		<i>For Installation With Adhesive, Deduct</i>	-24.09	
		<i>For Polished Finish, Add</i>	64.64	
10 14 19 00-0261	EA	20" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	355.30	24.97
		<i>For Installation With Adhesive, Deduct</i>	-27.76	
		<i>For Polished Finish, Add</i>	76.62	
10 14 19 00-0262	EA	22" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	412.22	26.36
		<i>For Installation With Adhesive, Deduct</i>	-31.16	
		<i>For Polished Finish, Add</i>	92.03	
10 14 19 00-0263	EA	24" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	470.55	27.75
		<i>For Installation With Adhesive, Deduct</i>	-34.63	
		<i>For Polished Finish, Add</i>	107.87	
10 14 19 00-0264	EA	30" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	644.01	33.30
		<i>For Installation With Adhesive, Deduct</i>	-45.52	
		<i>For Polished Finish, Add</i>	153.24	
10 14 19 00-0265		3/8" Deep, Satin Finish, Stainless Steel Characters <small>(10 14 19 00-0250)</small>		
10 14 19 00-0266	EA	2" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	66.27	6.94
		<i>For Installation With Adhesive, Deduct</i>	-6.09	
		<i>For Polished Finish, Add</i>	11.56	
10 14 19 00-0267	EA	4" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	88.05	8.04
		<i>For Installation With Adhesive, Deduct</i>	-7.62	
		<i>For Polished Finish, Add</i>	16.76	
10 14 19 00-0268	EA	6" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	112.86	9.71
		<i>For Installation With Adhesive, Deduct</i>	-9.53	
		<i>For Polished Finish, Add</i>	22.20	
10 14 19 00-0269	EA	8" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	143.79	11.10
		<i>For Installation With Adhesive, Deduct</i>	-11.63	
		<i>For Polished Finish, Add</i>	29.82	
10 14 19 00-0270	EA	10" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	176.94	12.49
		<i>For Installation With Adhesive, Deduct</i>	-13.84	
		<i>For Polished Finish, Add</i>	38.10	
10 14 19 00-0271	EA	12" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	217.85	14.43
		<i>For Installation With Adhesive, Deduct</i>	-16.66	
		<i>For Polished Finish, Add</i>	48.04	
10 14 19 00-0272	EA	14" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	261.70	16.65
		<i>For Installation With Adhesive, Deduct</i>	-19.74	
		<i>For Polished Finish, Add</i>	58.53	
10 14 19 00-0273	EA	16" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	313.68	19.98
		<i>For Installation With Adhesive, Deduct</i>	-23.68	
		<i>For Polished Finish, Add</i>	70.13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 14 19 00-0274	EA		18" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	364.58 -27.11 82.73	22.19
10 14 19 00-0275	EA		20" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	426.82 -31.33 98.08	24.97
10 14 19 00-0276	EA		22" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	479.71 -34.53 112.28	26.36
10 14 19 00-0277	EA		24" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	549.66 -38.58 131.60	27.75
10 14 19 00-0278	EA		30" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	756.39 -51.14 186.96	33.30
<b>10 14 19 00-0279</b>			<b>1/2" Deep, Satin Finish, Stainless Steel Characters</b> (10 14 19 00-0250)		
10 14 19 00-0280	EA		2" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	79.12 -6.73 15.41	6.94
10 14 19 00-0281	EA		4" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	106.67 -8.55 22.34	8.04
10 14 19 00-0282	EA		6" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	137.34 -10.75 29.55	9.71
10 14 19 00-0283	EA		8" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	180.01 -13.44 40.68	11.10
10 14 19 00-0284	EA		10" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	223.22 -16.16 51.98	12.49
10 14 19 00-0285	EA		12" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	276.20 -19.58 65.54	14.43
10 14 19 00-0286	EA		14" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	332.78 -23.30 79.86	16.65
10 14 19 00-0287	EA		16" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	398.85 -27.93 95.68	19.98
10 14 19 00-0288	EA		18" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	474.46 -32.60 115.70	22.19
10 14 19 00-0289	EA		20" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	557.07 -37.84 137.15	24.97
10 14 19 00-0290	EA		22" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	623.89 -41.74 155.53	26.36
10 14 19 00-0291	EA		24" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	718.65 -47.03 182.30	27.75
10 14 19 00-0292	EA		30" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	996.47 -63.14 258.98	33.30

**10 14 23 Panel Signage** (10 14)

**10 14 23 11 Panel Signage** (10 14 23)

**10 14 23 11-0001 Indoor/Outdoor Signs** (10 14 23 11)

Note: Office number signs, conference room signs, restroom signs, stairway signs, fire extinguisher marker, ANSI/OSHA safety signs, entry/exit signs, etc.

**10 14 23 11-0002 Surface Mount, Indoor/Outdoor Signs** (10 14 23 11-0001)

**10 14 23 11-0003 Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Signs** (10 14 23 11-0002)

Note: Multi-color with words, symbols and graphics.

10 14 23 11-0004	EA		Up To 25 Sq. Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For Clear Glass Mount, Add</i> <i>For Glow-In-Dark, Add</i> <i>For Reflective Finish, Add</i>	27.04 -0.72 -1.80 -2.16 5.76 14.40 16.20	9.92
10 14 23 11-0005	EA		>25 To 50 Sq. Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For Clear Glass Mount, Add</i> <i>For Glow-In-Dark, Add</i> <i>For Reflective Finish, Add</i>	32.18 -1.23 -3.09 -3.70 9.87 24.68 27.77	9.92

**10 Specialties**  
**10 10 Information Specialties**  
**10 14 Signage**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
10 14 23 11-0006	EA >50 To 100 Sl, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	40.40	9.92
	For >25 To 50, Deduct	-2.06	
	For >50 To 100, Deduct	-5.14	
	For >100, Deduct	-6.17	
	For Clear Glass Mount, Add	16.45	
	For Glow-In-Dark, Add	41.12	
	For Reflective Finish, Add	46.26	
10 14 23 11-0007	EA >100 To 250 Sl, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	50.68	9.92
	For >25 To 50, Deduct	-3.08	
	For >50 To 100, Deduct	-7.71	
	For >100, Deduct	-9.25	
	For Clear Glass Mount, Add	24.67	
	For Glow-In-Dark, Add	61.68	
	For Reflective Finish, Add	69.39	
10 14 23 11-0008	EA >250 To 500 Sl, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	69.18	9.92
	For >25 To 50, Deduct	-4.93	
	For >50 To 100, Deduct	-12.34	
	For >100, Deduct	-14.80	
	For Clear Glass Mount, Add	39.47	
	For Glow-In-Dark, Add	98.68	
	For Reflective Finish, Add	111.02	
10 14 23 11-0009	EA >500 To 750 Sl, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	102.08	9.92
	For >25 To 50, Deduct	-8.22	
	For >50 To 100, Deduct	-20.56	
	For >100, Deduct	-24.67	
	For Clear Glass Mount, Add	65.79	
	For Glow-In-Dark, Add	164.48	
	For Reflective Finish, Add	185.04	
10 14 23 11-0010	EA >750 To 1,000 Sl, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	143.20	9.92
	For >25 To 50, Deduct	-12.34	
	For >50 To 100, Deduct	-30.84	
	For >100, Deduct	-37.01	
	For Clear Glass Mount, Add	98.69	
	For Glow-In-Dark, Add	246.72	
	For Reflective Finish, Add	277.56	
10 14 23 11-0011	Sl >1,000 Sl, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	0.16	0.01
	For Clear Glass Mount, Add	0.11	
	For Glow-In-Dark, Add	0.28	
	For Reflective Finish, Add	0.32	
<b>10 14 23 11-0012 Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Signs</b>			
<small>(10 14 23 11-0002)</small>			
Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting.			
10 14 23 11-0013	EA Up To 25 Sl, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign.....	29.09	9.92
	For >25 To 50, Deduct	-0.93	
	For >50 To 100, Deduct	-2.31	
	For >100, Deduct	-2.78	
	For Glow-In-Dark, Add	18.50	
	For Reflective Finish, Add	19.89	
10 14 23 11-0014	EA >25 To 50 Sl, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign .....	34.23	9.92
	For >25 To 50, Deduct	-1.44	
	For >50 To 100, Deduct	-3.60	
	For >100, Deduct	-4.32	
	For Glow-In-Dark, Add	28.78	
	For Reflective Finish, Add	30.94	
10 14 23 11-0015	EA >50 To 100 Sl, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign .....	44.51	9.92
	For >25 To 50, Deduct	-2.47	
	For >50 To 100, Deduct	-6.17	
	For >100, Deduct	-7.40	
	For Glow-In-Dark, Add	49.34	
	For Reflective Finish, Add	53.04	
10 14 23 11-0016	EA >100 To 250 Sl, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign .....	54.79	9.92
	For >25 To 50, Deduct	-3.50	
	For >50 To 100, Deduct	-8.74	
	For >100, Deduct	-10.49	
	For Glow-In-Dark, Add	69.90	
	For Reflective Finish, Add	75.14	
10 14 23 11-0017	EA >250 To 500 Sl, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign .....	70.21	9.92
	For >25 To 50, Deduct	-5.04	
	For >50 To 100, Deduct	-12.59	
	For >100, Deduct	-15.11	
	For Glow-In-Dark, Add	100.74	
	For Reflective Finish, Add	108.30	
10 14 23 11-0018	EA >500 To 750 Sl, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign .....	85.63	9.92
	For >25 To 50, Deduct	-6.58	
	For >50 To 100, Deduct	-16.45	
	For >100, Deduct	-19.74	
	For Glow-In-Dark, Add	131.58	
	For Reflective Finish, Add	141.45	
10 14 23 11-0019	EA >750 To 1,000 Sl, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign .....	102.08	9.92
	For >25 To 50, Deduct	-8.22	
	For >50 To 100, Deduct	-20.56	
	For >100, Deduct	-24.67	
	For Glow-In-Dark, Add	164.48	
	For Reflective Finish, Add	176.82	
10 14 23 11-0020	Sl >1,000 Sl, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign .....	0.11	0.01
	For Glow-In-Dark, Add	0.18	
	For Reflective Finish, Add	0.19	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>10 14 23 11-0021 Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille</b> <small>(10 14 23 11-0002)</small>					
Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting. Excludes frame.					
10 14 23 11-0022	EA	Up To 25 Sl,	Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille.....	44.51	9.92
		For >25 To 50, Deduct		-2.47	
		For >50 To 100, Deduct		-6.17	
		For >100, Deduct		-7.40	
		For Molded Plastic Frame, Add		15.00	
		For Brushed Metal Finish/Faux Metal Finish, Add		23.00	
		For 2" Height Slider Channel For Custom Inserts, Add		35.00	
10 14 23 11-0023	EA	>25 To 50 Sl,	Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille .....	50.68	9.92
		For >25 To 50, Deduct		-3.08	
		For >50 To 100, Deduct		-7.71	
		For >100, Deduct		-9.25	
		For Molded Plastic Frame, Add		17.00	
		For Brushed Metal Finish/Faux Metal Finish, Add		28.00	
		For 2" Height Slider Channel For Custom Inserts, Add		35.00	
10 14 23 11-0024	EA	>50 To 75 Sl,	Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille .....	60.96	9.92
		For >25 To 50, Deduct		-4.11	
		For >50 To 100, Deduct		-10.28	
		For >100, Deduct		-12.34	
		For Molded Plastic Frame, Add		19.00	
		For Brushed Metal Finish/Faux Metal Finish, Add		31.00	
10 14 23 11-0025	EA	>75 To 100 Sl,	Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille .....	70.62	9.92
		For >25 To 50, Deduct		-5.08	
		For >50 To 100, Deduct		-12.70	
		For >100, Deduct		-15.23	
		For Molded Plastic Frame, Add		21.00	
		For Brushed Metal Finish/Faux Metal Finish, Add		35.00	
10 14 23 11-0026	SI	>100 Sl,	Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille.....	0.78	0.10
		For Molded Plastic Frame, Add		0.20	
		For Brushed Metal Finish/Faux Metal Finish, Add		0.31	
<b>10 14 23 11-0027 Engraved Steel, Surface Mount, Indoor/Outdoor Signs</b> <small>(10 14 23 11-0002)</small>					
Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting. Excludes frame.					
10 14 23 11-0028	EA	Up To 25 Sl,	Engraved Steel, Surface Mount, Indoor/Outdoor Sign.....	58.90	9.92
		For >25 To 50, Deduct		-3.91	
		For >50 To 100, Deduct		-9.77	
		For >100, Deduct		-11.72	
		For Molded Plastic Frame, Add		15.00	
10 14 23 11-0029	EA	>25 To 50 Sl,	Engraved Steel, Surface Mount, Indoor/Outdoor Sign .....	71.24	9.92
		For >25 To 50, Deduct		-5.14	
		For >50 To 100, Deduct		-12.85	
		For >100, Deduct		-15.42	
		For Molded Plastic Frame, Add		17.00	
10 14 23 11-0030	EA	>50 To 75 Sl,	Engraved Steel, Surface Mount, Indoor/Outdoor Sign .....	87.69	9.92
		For >25 To 50, Deduct		-6.79	
		For >50 To 100, Deduct		-16.96	
		For >100, Deduct		-20.36	
		For Molded Plastic Frame, Add		19.00	
10 14 23 11-0031	EA	>75 To 100 Sl,	Engraved Steel, Surface Mount, Indoor/Outdoor Sign .....	120.58	9.92
		For >25 To 50, Deduct		-10.07	
		For >50 To 100, Deduct		-25.19	
		For >100, Deduct		-30.22	
		For Molded Plastic Frame, Add		21.00	
10 14 23 11-0032	SI	>100 Sl,	Engraved Steel, Surface Mount, Indoor/Outdoor Sign .....	1.21	0.10
		For Molded Plastic Frame, Add		0.20	
<b>10 14 23 11-0033 Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Signs</b> <small>(10 14 23 11-0002)</small>					
Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting.					
10 14 23 11-0034	EA	Up To 25 Sl,	Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign.....	28.06	9.92
		For >25 To 50, Deduct		-0.82	
		For >50 To 100, Deduct		-2.06	
		For >100, Deduct		-2.47	
		For Glow-In-Dark, Add		4.93	
		For Reflective Finish, Add		6.17	
10 14 23 11-0035	EA	>25 To 50 Sl,	Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign .....	34.23	9.92
		For >25 To 50, Deduct		-1.44	
		For >50 To 100, Deduct		-3.60	
		For >100, Deduct		-4.32	
		For Glow-In-Dark, Add		8.63	
		For Reflective Finish, Add		10.79	
10 14 23 11-0036	EA	>50 To 100 Sl,	Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign .....	46.57	9.92
		For >25 To 50, Deduct		-2.67	
		For >50 To 100, Deduct		-6.68	
		For >100, Deduct		-8.02	
		For Glow-In-Dark, Add		16.04	
		For Reflective Finish, Add		20.05	
10 14 23 11-0037	EA	>100 To 250 Sl,	Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign .....	60.96	9.92
		For >25 To 50, Deduct		-4.11	
		For >50 To 100, Deduct		-10.28	
		For >100, Deduct		-12.34	
		For Glow-In-Dark, Add		24.67	
		For Reflective Finish, Add		30.84	

**10 Specialties****10 10 Information Specialties****10 14 Signage**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
10 14 23 11-0038	EA >250 To 500 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign .....	104.14	9.92
	For >25 To 50, Deduct	-8.43	
	For >50 To 100, Deduct	-21.08	
	For >100, Deduct	-25.29	
	For Glow-In-Dark, Add	50.58	
	For Reflective Finish, Add	63.23	
10 14 23 11-0039	EA >500 To 750 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign .....	122.64	9.92
	For >25 To 50, Deduct	-10.28	
	For >50 To 100, Deduct	-25.70	
	For >100, Deduct	-30.84	
	For Glow-In-Dark, Add	61.68	
	For Reflective Finish, Add	77.10	
10 14 23 11-0040	EA >750 To 1,000 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign .....	147.31	9.92
	For >25 To 50, Deduct	-12.75	
	For >50 To 100, Deduct	-31.87	
	For >100, Deduct	-38.24	
	For Glow-In-Dark, Add	76.48	
	For Reflective Finish, Add	95.60	
10 14 23 11-0041	SI >1,000 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign.....	0.16	0.01
	For Glow-In-Dark, Add	0.08	
	For Reflective Finish, Add	0.11	
10 14 23 11-0042	California Title 24, Surface Mount, Signs <small>(10 14 23 11-0002)</small>		
10 14 23 11-0043	California Title 24, Surface Mount, Geometric Restroom Signs <small>(10 14 23 11-0042)</small>		
	Note: Includes 1/4" thick acrylic or PVC construction, color that contrasts with the door color, and with or without the international symbol of accessibility and staff only designation.		
10 14 23 11-0044	EA 1/4" Thick, Equilateral Triangle With 12" Long Edges, California Title 24, Surface Mount, Geometric Male Restroom Sign.....	95.40	9.92
	For >25 To 50, Deduct	-7.56	
	For >50 To 100, Deduct	-11.33	
	For >100, Deduct	-12.85	
10 14 23 11-0045	EA 1/4" Thick, 12" Diameter, California Title 24, Surface Mount, Geometric Female Restroom Sign .....	95.40	9.92
	For >25 To 50, Deduct	-7.56	
	For >50 To 100, Deduct	-11.33	
	For >100, Deduct	-12.85	
10 14 23 11-0046	EA 1/4" Thick, 12" Diameter, California Title 24, Surface Mount, Geometric Unisex Restroom Sign .....	125.62	9.92
	Note: Includes contrasting color equilateral triangle with 12" long edges superimposed on the circle.		
	For >25 To 50, Deduct	-10.58	
	For >50 To 100, Deduct	-15.87	
	For >100, Deduct	-17.98	
10 14 23 11-0047	California Title 24, Surface Mount, Stairwell Signs <small>(10 14 23 11-0042)</small>		
	Note: Includes 1/16" matte finish colored polymer face plate with 1/16" acrylic backer. Includes information on stairway location, roof access availability, floor level number, basement or mezzanine level identification and exit level and direction.		
10 14 23 11-0048	EA 1/8" Thick, 12" x 18", California Title 24, Surface Mount, Stairwell Sign.....	190.39	9.92
	For >25 To 50, Deduct	-17.06	
	For >50 To 100, Deduct	-25.58	
	For >100, Deduct	-28.99	
10 14 23 11-0049	Ceiling Mount, Indoor/Outdoor Signs <small>(10 14 23 11-0001)</small>		
10 14 23 11-0050	Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Signs <small>(10 14 23 11-0049)</small>		
10 14 23 11-0051	EA Up To 25 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign .....	39.08	13.88
	For >25 To 50, Deduct	-1.13	
	For >50 To 100, Deduct	-2.83	
	For >100, Deduct	-3.39	
	For Glow-In-Dark, Add	6.79	
	For Reflective Finish, Add	8.48	
10 14 23 11-0052	EA >25 To 50 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign.....	48.33	13.88
	For >25 To 50, Deduct	-2.06	
	For >50 To 100, Deduct	-5.14	
	For >100, Deduct	-6.17	
	For Glow-In-Dark, Add	12.34	
	For Reflective Finish, Add	15.42	
10 14 23 11-0053	EA >50 To 100 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign.....	60.67	13.88
	For >25 To 50, Deduct	-3.29	
	For >50 To 100, Deduct	-8.23	
	For >100, Deduct	-9.87	
	For Glow-In-Dark, Add	19.74	
	For Reflective Finish, Add	24.68	
10 14 23 11-0054	EA >100 To 150 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign.....	79.17	13.88
	For >25 To 50, Deduct	-5.14	
	For >50 To 100, Deduct	-12.85	
	For >100, Deduct	-15.42	
	For Glow-In-Dark, Add	30.84	
	For Reflective Finish, Add	38.55	
10 14 23 11-0055	90 Degree, Projection Mount, Indoor/Outdoor Signs <small>(10 14 23 11-0001)</small>		
10 14 23 11-0056	Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Signs <small>(10 14 23 11-0055)</small>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 14 23 11-0057	EA		Up To 25 Sl, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	40.11	13.88
			<i>For &gt;25 To 50, Deduct</i>	-1.23	
			<i>For &gt;50 To 100, Deduct</i>	-3.09	
			<i>For &gt;100, Deduct</i>	-3.70	
			<i>For Glow-In-Dark, Add</i>	7.40	
			<i>For Reflective Finish, Add</i>	9.26	
10 14 23 11-0058	EA		>25 To 50 Sl, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	50.39	13.88
			<i>For &gt;25 To 50, Deduct</i>	-2.26	
			<i>For &gt;50 To 100, Deduct</i>	-5.66	
			<i>For &gt;100, Deduct</i>	-6.79	
			<i>For Glow-In-Dark, Add</i>	13.57	
			<i>For Reflective Finish, Add</i>	16.97	
10 14 23 11-0059	EA		>50 To 100 Sl, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	73.00	13.88
			<i>For &gt;25 To 50, Deduct</i>	-4.52	
			<i>For &gt;50 To 100, Deduct</i>	-11.31	
			<i>For &gt;100, Deduct</i>	-13.57	
			<i>For Glow-In-Dark, Add</i>	27.14	
			<i>For Reflective Finish, Add</i>	33.92	
10 14 23 11-0060	EA		>100 To 150 Sl, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	81.23	13.88
			<i>For &gt;25 To 50, Deduct</i>	-5.35	
			<i>For &gt;50 To 100, Deduct</i>	-13.37	
			<i>For &gt;100, Deduct</i>	-16.04	
			<i>For Glow-In-Dark, Add</i>	32.08	
			<i>For Reflective Finish, Add</i>	40.10	
10 14 23 11-0061			Triangle, Projection Mount, Indoor/Outdoor Signs <small>(10 14 23 11-0001)</small>		
10 14 23 11-0062			Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Signs <small>(10 14 23 11-0061)</small>		
10 14 23 11-0063	EA		Up To 25 Sl, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	43.19	13.88
			<i>For &gt;25 To 50, Deduct</i>	-1.54	
			<i>For &gt;50 To 100, Deduct</i>	-3.86	
			<i>For &gt;100, Deduct</i>	-4.63	
			<i>For Glow-In-Dark, Add</i>	9.25	
			<i>For Reflective Finish, Add</i>	11.57	
10 14 23 11-0064	EA		>25 To 50 Sl, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	58.61	13.88
			<i>For &gt;25 To 50, Deduct</i>	-3.08	
			<i>For &gt;50 To 100, Deduct</i>	-7.71	
			<i>For &gt;100, Deduct</i>	-9.25	
			<i>For Glow-In-Dark, Add</i>	18.50	
			<i>For Reflective Finish, Add</i>	23.13	
10 14 23 11-0065	EA		>50 To 100 Sl, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	64.78	13.88
			<i>For &gt;25 To 50, Deduct</i>	-3.70	
			<i>For &gt;50 To 100, Deduct</i>	-9.25	
			<i>For &gt;100, Deduct</i>	-11.10	
			<i>For Glow-In-Dark, Add</i>	22.21	
			<i>For Reflective Finish, Add</i>	27.76	
10 14 23 11-0066	EA		>100 To 150 Sl, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	73.00	13.88
			<i>For &gt;25 To 50, Deduct</i>	-4.52	
			<i>For &gt;50 To 100, Deduct</i>	-11.31	
			<i>For &gt;100, Deduct</i>	-13.57	
			<i>For Glow-In-Dark, Add</i>	27.14	
			<i>For Reflective Finish, Add</i>	33.92	
10 14 23 11-0067			Adhesive Backed Vinyl Characters <small>(10 14 23 11)</small>		
			Note: Includes capital or lower case letters in any font or color. Includes numbers, symbols, punctuation marks, etc. Includes adhesive.		
10 14 23 11-0068	EA		1/2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	2.72	0.79
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	0.47	
10 14 23 11-0069	EA		3/4" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	2.82	0.91
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	0.50	
10 14 23 11-0070	EA		1" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	2.92	1.03
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	0.52	
10 14 23 11-0071	EA		1-1/2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	3.87	1.19
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	0.66	
10 14 23 11-0072	EA		2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	4.02	1.39
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	0.70	
10 14 23 11-0073	EA		3" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	5.71	1.59
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	1.02	
10 14 23 11-0074	EA		4" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	6.14	1.79
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	1.12	
10 14 23 11-0075	EA		6" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	8.27	1.99
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	1.55	
10 14 23 11-0076	EA		8" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	10.01	2.18
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	1.99	
10 14 23 11-0077	EA		10" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	12.84	2.38
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	2.59	
10 14 23 11-0078			Standoffs For Wall Signage <small>(10 14 23 11)</small>		
			Note: Excludes signage		
10 14 23 11-0079	EA		1/2" Diameter x 1/2" Long, Stainless Steel Standoff	13.98	5.55
10 14 23 11-0080	EA		1/2" Diameter x 3/4" Long, Stainless Steel Standoff	14.35	5.55
10 14 23 11-0081	EA		1/2" Diameter x 1" Long, Stainless Steel Standoff	14.44	5.55
10 14 23 11-0082	EA		5/8" Diameter x 1/2" Long, Stainless Steel Standoff	15.19	5.55
10 14 23 11-0083	EA		5/8" Diameter x 3/4" Long, Stainless Steel Standoff	15.56	5.55
10 14 23 11-0084	EA		5/8" Diameter x 1" Long, Stainless Steel Standoff	16.31	5.55

**10 Specialties**  
**10 10 Information Specialties**  
**10 14 Signage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 14 23 11-0085	EA		3/4" Diameter x 3/4" Long, Stainless Steel Standoff.....	16.30	6.66
10 14 23 11-0086	EA		3/4" Diameter x 1" Long, Stainless Steel Standoff.....	17.32	6.66
10 14 23 11-0087	EA		3/4" Diameter x 1-1/2" Long, Stainless Steel Standoff.....	18.16	6.66
10 14 23 11-0088	EA		1" Diameter x 3/4" Long, Stainless Steel Standoff.....	19.27	6.66
10 14 23 11-0089	EA		1" Diameter x 1" Long, Stainless Steel Standoff.....	20.47	6.66
10 14 23 11-0090	EA		1" Diameter x 1-1/2" Long, Stainless Steel Standoff.....	21.96	6.66
10 14 23 11-0091	EA		5/8" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff.....	15.47	5.55
10 14 23 11-0092	EA		5/8" Diameter x 1" Long, Clear Anodized Aluminum Standoff.....	15.75	5.55
10 14 23 11-0093	EA		3/4" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff.....	17.13	6.66
10 14 23 11-0094	EA		3/4" Diameter x 1" Long, Clear Anodized Aluminum Standoff.....	17.41	6.66
10 14 23 11-0095	EA		1" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff.....	18.89	6.66
10 14 23 11-0096	EA		1" Diameter x 1" Long, Clear Anodized Aluminum Standoff.....	19.08	6.66

**10 14 23 11-0097 Removal And Reinstallation Of Building Signage** (10 14 23 11)

Note: Includes storage, cleaning and supply materials.

10 14 23 11-0098	EA		Removal And Reinstallation Of Building Signage, Exterior Up To 4 SF.....	194.33	
10 14 23 11-0099	EA		Removal And Reinstallation Of Building Signage, Exterior >4 To 12 SF.....	223.42	
10 14 23 11-0100	EA		Removal And Reinstallation Of Building Signage, >12 To 20 SF.....	251.18	
10 14 23 11-0101	EA		Removal And Reinstallation Of Interior Door And Office Signage, Up To 4SF.....	59.50	

**10 14 23 11-0102 Building Sign** (10 14 23 11)

Note: Includes 4" numbers painted on. Installed on building.

10 14 23 11-0103	EA		6" x 18" Metal Building Sign With Numbers.....	136.59	23.80
10 14 23 11-0104	SF		Double Sided, Molding On Two Sides, For Mounting On Aluminum Posts.....	47.23	7.77
10 14 23 11-0105	SF		Single Sided, Molding On One Side, For Mounting On Structure Up To 20'.....	35.42	7.22
10 14 23 11-0106	EA		Aluminum Posts, Formed Prefinished, Ribbed, 4" Square, 6' High, 3' Deep.....	25.35	6.10
10 14 23 11-0107	EA		Aluminum Posts, Formed Prefinished, Ribbed, 4" Square, 8' High, 3' Deep.....	29.16	6.67
10 14 23 11-0108	EA		Aluminum Posts, Formed Prefinished, Ribbed, 6" Square, 10' High, 3' Deep.....	31.97	7.22
10 14 23 11-0109	EA		Aluminum Posts, Formed Prefinished, Ribbed, 6" Square, 15' High, 4' Deep.....	37.46	7.77

**10 14 23 11-0110 Custom Acrylic Signage (Takeform; Fusion)** (10 14 23 11)

10 14 23 11-0111	EA		Type B: F04C-W1 Directional, 11" x 21.45" Acrylic, Surface Mount Signage.....	413.98	19.84
Note: Accommodates inserts.					
10 14 23 11-0112	EA		Type B: F53C-W1 Directional, 11" x 21.45" Acrylic, Surface Mount Signage.....	578.59	19.84
Note: Accommodates inserts.					
10 14 23 11-0113	EA		Inserts for Type B: Directional Signage.....	42.60	
10 14 23 11-0114	EA		Type D: F04B-R1 Evacuation, 8.5" x 18.2" Acrylic, Surface Mount Signage.....	327.65	15.87
Note: Accommodates inserts.					
10 14 23 11-0115	EA		Type D: F53B-R1 Evacuation, 8.5" x 18.2" Acrylic, Surface Mount Signage.....	445.23	15.87
Note: Accommodates inserts.					
10 14 23 11-0116	EA		Inserts for Type D: Evacuation Map Signage.....	23.86	
10 14 23 11-0117	EA		Type E: F04B-BB-K2 Stairs ID With Pictogram, 8.5" x 11.9" Acrylic, Surface Mount Signage.....	271.47	10.31
10 14 23 11-0118	EA		Type E: F53BB3-BC2 Stairs ID With Pictogram, 8.5" x 11.9" Acrylic, Surface Mount Signage.....	253.84	10.31
10 14 23 11-0119	EA		Type E.2: F04B-BB-K2 Restroom ID With Pictogram, 8.5" x 11.9" Acrylic, Surface Mount Signage.....	271.47	10.31
10 14 23 11-0120	EA		Type E.2: F53BB3-BC2 Restroom ID With Pictogram, 8.5" x 11.9" Acrylic, Surface Mount Signage.....	253.84	10.31
10 14 23 11-0121	EA		Type H: F04B-D1 Office ID, 8.5" x 6.4" Acrylic, Surface Mount Signage.....	217.77	9.92
Note: Accommodates inserts.					
10 14 23 11-0122	EA		Type H: F53B-D1 Office ID, 8.5" x 6.4" Acrylic, Surface Mount Signage.....	256.97	9.92
Note: Accommodates inserts.					
10 14 23 11-0123	EA		Inserts for Type H Signage.....	13.09	
10 14 23 11-0124	EA		Type I: F04B-G1 Large Office ID, 8.5" x 9.68" Acrylic, Surface Mount Signage.....	247.17	9.92
Note: Accommodates inserts.					
10 14 23 11-0125	EA		Type I: F53B-G1 Large Office ID, 8.5" x 9.68" Acrylic, Surface Mount Signage.....	305.96	9.92
Note: Accommodates inserts.					
10 14 23 11-0126	EA		Inserts for Type I Signage.....	20.45	
10 14 23 11-0127	EA		Type L: Workstation ID, 8.5" x 3.0" Acrylic, Surface Mount Signage.....	74.37	9.92
Note: Accommodates inserts.					
10 14 23 11-0128	EA		Inserts for Type L Signage.....	16.36	

**10 14 53 Traffic Signage** (10 14)

**10 14 53 11 Traffic Signage** (10 14 53)

**10 14 53 11-0001 Traffic Signs** (10 14 53 11)

**10 14 53 11-0002 ReflectORIZED Stop Signs And Other Traffic Signs** (10 14 53 11-0001)

Note: Excludes posts.

**10 14 53 11-0003 Aluminum Engineer Grade Stop Signs** (10 14 53 11-0002)

10 14 53 11-0004	EA		18" x 18" Aluminum Engineer Grade Stop Sign.....	58.74	17.85
For Hi-Intensity Grade, Add					
				6.91	
For Diamond Grade, Add					
				13.13	
10 14 53 11-0005	EA		18" x 24" Aluminum Engineer Grade Stop Sign.....	67.82	18.88
For Hi-Intensity Grade, Add					
				9.04	
For Diamond Grade, Add					
				17.17	
10 14 53 11-0006	EA		24" x 24" Aluminum Engineer Grade Stop Sign.....	73.36	19.84
For Hi-Intensity Grade, Add					
				13.81	
For Diamond Grade, Add					
				21.89	
10 14 53 11-0007	EA		30" x 30" Aluminum Engineer Grade Stop Sign.....	84.79	20.87
For Hi-Intensity Grade, Add					
				5.18	
For Diamond Grade, Add					
				28.03	
10 14 53 11-0008	EA		36" x 36" Aluminum Engineer Grade Stop Sign.....	112.77	21.82
For Hi-Intensity Grade, Add					
				15.21	
For Diamond Grade, Add					
				47.70	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 14 53 11-0009			<b>Other ReflectORIZED Traffic Signs</b> <small>(10 14 53 11-0002)</small> Note: Other traffic signs includes reserve, handicap, visitor, no parking, property, speed limit, tow away, ADA, parking time limit, parking exclusive area, school, traffic/caution, etc. Excludes posts.		
10 14 53 11-0010			<b>Aluminum Engineer Grade Traffic Signs</b> <small>(10 14 53 11-0009)</small>		
10 14 53 11-0011	EA		6" x 12" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	37.45 1.71	15.87
10 14 53 11-0012	EA		6" x 18" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	40.30 2.57	15.87
10 14 53 11-0013	EA		9" x 12" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	40.30 2.57	15.87
10 14 53 11-0014	EA		9" x 15" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	42.44 3.21	15.87
10 14 53 11-0015	EA		9" x 18" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	44.58 3.85	15.87
10 14 53 11-0016	EA		9" x 24" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	50.85 5.14	16.86
10 14 53 11-0017	EA		9" x 48" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	67.97 10.28	16.86
10 14 53 11-0018	EA		12" x 12" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	43.16 3.43	15.87
10 14 53 11-0019	EA		12" x 18" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	50.85 5.14	16.86
10 14 53 11-0020	EA		12" x 24" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	56.55 6.85	16.86
10 14 53 11-0021	EA		12" x 30" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	62.26 8.56	16.86
10 14 53 11-0022	EA		12" x 36" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	67.97 10.28	16.86
10 14 53 11-0023	EA		18" x 18" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	59.41 7.71	16.86
10 14 53 11-0024	EA		18" x 24" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	67.97 10.28	16.86
10 14 53 11-0025	EA		18" x 30" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	78.51 12.84	17.85
10 14 53 11-0026	EA		18" x 36" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	87.08 15.41	17.85
10 14 53 11-0027	EA		18" x 48" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	112.14 20.55	21.82
10 14 53 11-0028	EA		18" x 54" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	120.70 23.12	21.82
10 14 53 11-0029	EA		24" x 24" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	81.37 13.70	17.85
10 14 53 11-0030	EA		24" x 30" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	92.78 17.12	17.85
10 14 53 11-0031	EA		24" x 36" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	104.20 20.55	17.85
10 14 53 11-0032	EA		24" x 42" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	123.56 23.98	21.82
10 14 53 11-0033	EA		24" x 48" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	134.97 27.40	21.82
10 14 53 11-0034	EA		24" x 54" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	146.39 30.83	21.82
10 14 53 11-0035	EA		24" x 60" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	157.81 34.25	21.82
10 14 53 11-0036	EA		30" x 30" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	107.06 21.41	17.85
10 14 53 11-0037	EA		30" x 36" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	129.27 25.69	21.82
10 14 53 11-0038	EA		30" x 42" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	143.54 29.97	21.82
10 14 53 11-0039	EA		30" x 48" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	165.74 34.25	25.79
10 14 53 11-0040	EA		30" x 60" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	202.22 42.81	29.76
10 14 53 11-0041	EA		36" x 36" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	146.39 30.83	21.82
10 14 53 11-0042	EA		36" x 42" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	171.45 35.96	25.79
10 14 53 11-0043	EA		36" x 48" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	196.51 41.10	29.76
10 14 53 11-0044	EA		36" x 54" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	213.64 46.24	29.76
10 14 53 11-0045	EA		36" x 60" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	238.70 51.38	33.72
10 14 53 11-0046	EA		36" x 73" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	283.74 62.51	37.69
10 14 53 11-0047	EA		36" x 78" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	298.01 66.79	37.69
10 14 53 11-0048	EA		36" x 108" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	395.54 92.48	43.64
10 14 53 11-0049	EA		42" x 42" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	199.37 41.96	29.76
10 14 53 11-0050	EA		48" x 48" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	250.12 54.80	33.72
10 14 53 11-0051	EA		48" x 54" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	280.88 61.65	37.69

**10 Specialties**  
**10 10 Information Specialties**  
**10 14 Signage**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 14 53 11-0052	EA	48"	60" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	303.72 68.50	37.69
10 14 53 11-0053	EA	48"	66" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	338.46 75.35	43.64
10 14 53 11-0054	EA	48"	72" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	361.29 82.20	43.64
10 14 53 11-0055	EA	48"	84" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	414.89 95.90	47.61
10 14 53 11-0056	EA	48"	96" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	460.56 109.60	47.61
10 14 53 11-0057	EA	48"	102" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	483.39 116.45	47.61
10 14 53 11-0058	EA	48"	108" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	510.18 123.30	49.60
10 14 53 11-0059	EA	60"	72" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	437.72 102.75	47.61
10 14 53 11-0060	EA	72"	144" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	948.96 246.60	63.48
10 14 53 11-0061	EA	78"	96" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	692.85 178.10	49.60

**10 14 53 11-0062 Non-Reflectorized Traffic Signs** (10 14 53 11-0001)  
 Note: Includes reserved parking, handicap parking, visitor parking, no parking, tow away zones, etc. Excludes posts.

**10 14 53 11-0063 Steel Non-Reflectorized Traffic Signs** (10 14 53 11-0062)

10 14 53 11-0064	EA	6"	12" Steel Non Reflectorized Traffic Sign	36.67	15.87
10 14 53 11-0065	EA	6"	18" Steel Non Reflectorized Traffic Sign	39.14	15.87
10 14 53 11-0066	EA	9"	12" Steel Non Reflectorized Traffic Sign	39.14	15.87
10 14 53 11-0067	EA	9"	15" Steel Non Reflectorized Traffic Sign	40.99	15.87
10 14 53 11-0068	EA	9"	18" Steel Non Reflectorized Traffic Sign	42.84	15.87
10 14 53 11-0069	EA	9"	24" Steel Non Reflectorized Traffic Sign	48.52	16.86
10 14 53 11-0070	EA	9"	48" Steel Non Reflectorized Traffic Sign	63.33	16.86
10 14 53 11-0071	EA	12"	12" Steel Non Reflectorized Traffic Sign	41.61	15.87
10 14 53 11-0072	EA	12"	18" Steel Non Reflectorized Traffic Sign	48.52	16.86
10 14 53 11-0073	EA	12"	24" Steel Non Reflectorized Traffic Sign	53.46	16.86
10 14 53 11-0074	EA	12"	30" Steel Non Reflectorized Traffic Sign	58.39	16.86
10 14 53 11-0075	EA	12"	36" Steel Non Reflectorized Traffic Sign	63.33	16.86
10 14 53 11-0076	EA	18"	18" Steel Non Reflectorized Traffic Sign	55.93	16.86
10 14 53 11-0077	EA	18"	24" Steel Non Reflectorized Traffic Sign	63.33	16.86
10 14 53 11-0078	EA	18"	30" Steel Non Reflectorized Traffic Sign	72.71	17.85
10 14 53 11-0079	EA	18"	36" Steel Non Reflectorized Traffic Sign	80.11	17.85
10 14 53 11-0080	EA	18"	48" Steel Non Reflectorized Traffic Sign	102.86	21.82
10 14 53 11-0081	EA	18"	54" Steel Non Reflectorized Traffic Sign	110.26	21.82
10 14 53 11-0082	EA	24"	24" Steel Non Reflectorized Traffic Sign	75.18	17.85
10 14 53 11-0083	EA	24"	30" Steel Non Reflectorized Traffic Sign	85.05	17.85
10 14 53 11-0084	EA	24"	36" Steel Non Reflectorized Traffic Sign	94.92	17.85
10 14 53 11-0085	EA	24"	42" Steel Non Reflectorized Traffic Sign	112.73	21.82
10 14 53 11-0086	EA	24"	48" Steel Non Reflectorized Traffic Sign	122.60	21.82
10 14 53 11-0087	EA	24"	54" Steel Non Reflectorized Traffic Sign	132.47	21.82
10 14 53 11-0088	EA	24"	60" Steel Non Reflectorized Traffic Sign	142.34	21.82
10 14 53 11-0089	EA	30"	30" Steel Non Reflectorized Traffic Sign	97.39	17.85
10 14 53 11-0090	EA	30"	36" Steel Non Reflectorized Traffic Sign	117.66	21.82
10 14 53 11-0091	EA	30"	42" Steel Non Reflectorized Traffic Sign	130.00	21.82
10 14 53 11-0092	EA	30"	48" Steel Non Reflectorized Traffic Sign	150.27	25.79
10 14 53 11-0093	EA	30"	60" Steel Non Reflectorized Traffic Sign	182.88	29.76
10 14 53 11-0094	EA	36"	36" Steel Non Reflectorized Traffic Sign	132.47	21.82
10 14 53 11-0095	EA	36"	42" Steel Non Reflectorized Traffic Sign	155.20	25.79
10 14 53 11-0096	EA	36"	48" Steel Non Reflectorized Traffic Sign	177.95	29.76
10 14 53 11-0097	EA	36"	54" Steel Non Reflectorized Traffic Sign	192.75	29.76
10 14 53 11-0098	EA	36"	60" Steel Non Reflectorized Traffic Sign	215.50	33.72
10 14 53 11-0099	EA	36"	73" Steel Non Reflectorized Traffic Sign	255.50	37.69
10 14 53 11-0100	EA	36"	78" Steel Non Reflectorized Traffic Sign	267.84	37.69
10 14 53 11-0101	EA	36"	108" Steel Non Reflectorized Traffic Sign	353.77	43.64
10 14 53 11-0102	EA	42"	42" Steel Non Reflectorized Traffic Sign	180.42	29.76
10 14 53 11-0103	EA	48"	48" Steel Non Reflectorized Traffic Sign	225.37	33.72
10 14 53 11-0104	EA	48"	54" Steel Non Reflectorized Traffic Sign	253.04	37.69
10 14 53 11-0105	EA	48"	60" Steel Non Reflectorized Traffic Sign	272.78	37.69
10 14 53 11-0106	EA	48"	66" Steel Non Reflectorized Traffic Sign	304.43	43.64
10 14 53 11-0107	EA	48"	72" Steel Non Reflectorized Traffic Sign	324.17	43.64
10 14 53 11-0108	EA	48"	84" Steel Non Reflectorized Traffic Sign	371.57	47.61
10 14 53 11-0109	EA	48"	96" Steel Non Reflectorized Traffic Sign	411.05	47.61
10 14 53 11-0110	EA	48"	102" Steel Non Reflectorized Traffic Sign	430.79	47.61
10 14 53 11-0111	EA	48"	108" Steel Non Reflectorized Traffic Sign	454.49	49.60
10 14 53 11-0112	EA	60"	72" Steel Non Reflectorized Traffic Sign	391.31	47.61
10 14 53 11-0113	EA	72"	144" Steel Non Reflectorized Traffic Sign	837.58	63.48
10 14 53 11-0114	EA	78"	96" Steel Non Reflectorized Traffic Sign	612.41	49.60

**10 14 53 11-0115 Aluminum Non-Reflectorized Traffic Signs** (10 14 53 11-0062)

10 14 53 11-0116	EA	6"	12" Aluminum Non Reflectorized Traffic Sign	36.88	15.87
10 14 53 11-0117	EA	6"	18" Aluminum Non Reflectorized Traffic Sign	39.44	15.87
10 14 53 11-0118	EA	9"	12" Aluminum Non Reflectorized Traffic Sign	39.44	15.87
10 14 53 11-0119	EA	9"	15" Aluminum Non Reflectorized Traffic Sign	41.37	15.87
10 14 53 11-0120	EA	9"	18" Aluminum Non Reflectorized Traffic Sign	43.30	15.87

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 14 53 11-0121	EA		9" x 24" Aluminum Non ReflectORIZED Traffic Sign	49.13	16.86
10 14 53 11-0122	EA		9" x 48" Aluminum Non ReflectORIZED Traffic Sign	64.54	16.86
10 14 53 11-0123	EA		12" x 12" Aluminum Non ReflectORIZED Traffic Sign	42.01	15.87
10 14 53 11-0124	EA		12" x 18" Aluminum Non ReflectORIZED Traffic Sign	49.13	16.86
10 14 53 11-0125	EA		12" x 24" Aluminum Non ReflectORIZED Traffic Sign	54.26	16.86
10 14 53 11-0126	EA		12" x 30" Aluminum Non ReflectORIZED Traffic Sign	59.40	16.86
10 14 53 11-0127	EA		12" x 36" Aluminum Non ReflectORIZED Traffic Sign	64.54	16.86
10 14 53 11-0128	EA		18" x 18" Aluminum Non ReflectORIZED Traffic Sign	56.83	16.86
10 14 53 11-0129	EA		18" x 24" Aluminum Non ReflectORIZED Traffic Sign	64.54	16.86
10 14 53 11-0130	EA		18" x 30" Aluminum Non ReflectORIZED Traffic Sign	74.22	17.85
10 14 53 11-0131	EA		18" x 36" Aluminum Non ReflectORIZED Traffic Sign	81.92	17.85
10 14 53 11-0132	EA		18" x 48" Aluminum Non ReflectORIZED Traffic Sign	105.27	21.82
10 14 53 11-0133	EA		18" x 54" Aluminum Non ReflectORIZED Traffic Sign	112.98	21.82
10 14 53 11-0134	EA		24" x 24" Aluminum Non ReflectORIZED Traffic Sign	76.79	17.85
10 14 53 11-0135	EA		24" x 30" Aluminum Non ReflectORIZED Traffic Sign	87.06	17.85
10 14 53 11-0136	EA		24" x 36" Aluminum Non ReflectORIZED Traffic Sign	97.33	17.85
10 14 53 11-0137	EA		24" x 42" Aluminum Non ReflectORIZED Traffic Sign	115.54	21.82
10 14 53 11-0138	EA		24" x 48" Aluminum Non ReflectORIZED Traffic Sign	125.82	21.82
10 14 53 11-0139	EA		24" x 54" Aluminum Non ReflectORIZED Traffic Sign	136.09	21.82
10 14 53 11-0140	EA		24" x 60" Aluminum Non ReflectORIZED Traffic Sign	146.36	21.82
10 14 53 11-0141	EA		30" x 30" Aluminum Non ReflectORIZED Traffic Sign	99.90	17.85
10 14 53 11-0142	EA		30" x 36" Aluminum Non ReflectORIZED Traffic Sign	120.68	21.82
10 14 53 11-0143	EA		30" x 42" Aluminum Non ReflectORIZED Traffic Sign	133.52	21.82
10 14 53 11-0144	EA		30" x 48" Aluminum Non ReflectORIZED Traffic Sign	154.29	25.79
10 14 53 11-0145	EA		30" x 60" Aluminum Non ReflectORIZED Traffic Sign	187.91	29.76
10 14 53 11-0146	EA		36" x 36" Aluminum Non ReflectORIZED Traffic Sign	136.09	21.82
10 14 53 11-0147	EA		36" x 42" Aluminum Non ReflectORIZED Traffic Sign	159.43	25.79
10 14 53 11-0148	EA		36" x 48" Aluminum Non ReflectORIZED Traffic Sign	182.77	29.76
10 14 53 11-0149	EA		36" x 54" Aluminum Non ReflectORIZED Traffic Sign	198.18	29.76
10 14 53 11-0150	EA		36" x 60" Aluminum Non ReflectORIZED Traffic Sign	221.53	33.72
10 14 53 11-0151	EA		36" x 73" Aluminum Non ReflectORIZED Traffic Sign	262.84	37.69
10 14 53 11-0152	EA		36" x 78" Aluminum Non ReflectORIZED Traffic Sign	275.68	37.69
10 14 53 11-0153	EA		36" x 108" Aluminum Non ReflectORIZED Traffic Sign	364.63	43.64
10 14 53 11-0154	EA		42" x 42" Aluminum Non ReflectORIZED Traffic Sign	185.34	29.76
10 14 53 11-0155	EA		48" x 48" Aluminum Non ReflectORIZED Traffic Sign	231.80	33.72
10 14 53 11-0156	EA		48" x 54" Aluminum Non ReflectORIZED Traffic Sign	260.28	37.69
10 14 53 11-0157	EA		48" x 60" Aluminum Non ReflectORIZED Traffic Sign	280.82	37.69
10 14 53 11-0158	EA		48" x 66" Aluminum Non ReflectORIZED Traffic Sign	313.27	43.64
10 14 53 11-0159	EA		48" x 72" Aluminum Non ReflectORIZED Traffic Sign	333.82	43.64
10 14 53 11-0160	EA		48" x 84" Aluminum Non ReflectORIZED Traffic Sign	382.84	47.61
10 14 53 11-0161	EA		48" x 96" Aluminum Non ReflectORIZED Traffic Sign	423.92	47.61
10 14 53 11-0162	EA		48" x 102" Aluminum Non ReflectORIZED Traffic Sign	444.47	47.61
10 14 53 11-0163	EA		48" x 108" Aluminum Non ReflectORIZED Traffic Sign	468.97	49.60
10 14 53 11-0164	EA		60" x 72" Aluminum Non ReflectORIZED Traffic Sign	403.38	47.61
10 14 53 11-0165	EA		72" x 144" Aluminum Non ReflectORIZED Traffic Sign	866.54	63.48
10 14 53 11-0166	EA		78" x 96" Aluminum Non ReflectORIZED Traffic Sign	633.33	49.60

**10 14 53 11-0167 Aluminum Street Signs** (10 14 53 11-0001)

Note: Excludes posts.

**10 14 53 11-0168 Aluminum Engineer Grade Street Signs** (10 14 53 11-0167)

10 14 53 11-0169	EA		6" High, Aluminum Engineer Grade Street Sign	63.08	7.93
10 14 53 11-0170	EA		8" High, Aluminum Engineer Grade Street Sign	71.41	7.93
10 14 53 11-0171	EA		9" High, Aluminum Engineer Grade Street Sign	77.62	7.93

**10 14 53 11-0172 Street Sign Accessories** (10 14 53 11-0167)

10 14 53 11-0173	EA		Single Bracket And Post Cap For Street Sign	19.29	3.97
10 14 53 11-0174	EA		Double Bracket And Post Cap For Street Sign	19.29	3.97

**10 14 53 11-0175 Sign Posts** (10 14 53 11-0001)

Note: Excludes sign. See CSI section 32 31 13 13-0001 for auguring of holes and backfill.

**10 14 53 11-0176 U-Channel Sign Posts** (10 14 53 11-0175)

Note: Excludes digging and concrete.

**10 14 53 11-0177 Baked Enamel U-Channel Sign Posts** (10 14 53 11-0176)

10 14 53 11-0178	EA		3' To 4' Baked Enamel U-Channel Sign Post Base	52.21	16.26
10 14 53 11-0179	EA		6' Baked Enamel U-Channel Sign Post	68.35	20.32
10 14 53 11-0180	EA		7' Baked Enamel U-Channel Sign Post	81.62	24.38
10 14 53 11-0181	EA		8' Baked Enamel U-Channel Sign Post	95.55	28.44
10 14 53 11-0182	EA		10' Baked Enamel U-Channel Sign Post	115.34	34.54
10 14 53 11-0183	EA		12' Baked Enamel U-Channel Sign Post	118.50	34.54

**10 14 53 11-0184 Galvanized Steel U-Channel Sign Posts** (10 14 53 11-0176)

10 14 53 11-0185	EA		3' To 4' Galvanized Steel U-Channel Sign Post Base	56.27	16.26
10 14 53 11-0186	EA		6' Galvanized Steel U-Channel Sign Post	74.79	20.32
10 14 53 11-0187	EA		7' Galvanized Steel U-Channel Sign Post	96.20	24.38
10 14 53 11-0188	EA		8' Galvanized Steel U-Channel Sign Post	111.67	28.44
10 14 53 11-0189	EA		10' Galvanized Steel U-Channel Sign Post	127.07	34.54
10 14 53 11-0190	EA		12' Galvanized Steel U-Channel Sign Post	128.70	34.54

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 14 53 11-0191			<b>Fiberglass Or Composite Plastic U-Channel Sign Posts</b> (10 14 53 11-0176)		
10 14 53 11-0192	EA		3' To 4' Fiberglass Or Composite Plastic U-Channel Sign Post Base.....	51.26	16.26
10 14 53 11-0193	EA		6' Fiberglass Or Composite Plastic U-Channel Sign Post.....	66.26	20.32
10 14 53 11-0194	EA		7' Fiberglass Or Composite Plastic U-Channel Sign Post.....	79.11	24.38
10 14 53 11-0195	EA		8' Fiberglass Or Composite Plastic U-Channel Sign Post.....	92.56	28.44
10 14 53 11-0196	EA		10' Fiberglass Or Composite Plastic U-Channel Sign Post.....	109.90	34.54
10 14 53 11-0197	EA		12' Fiberglass Or Composite Plastic U-Channel Sign Post.....	115.27	34.54
10 14 53 11-0198			<b>Tubular Sign Posts</b> (10 14 53 11-0175) Note: Excludes digging and concrete.		
10 14 53 11-0199			<b>2-3/8" Diameter, Galvanized Steel Tubular Sign Post</b> (10 14 53 11-0198)		
10 14 53 11-0200	EA		6', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	75.46	20.32
10 14 53 11-0201	EA		7', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	89.58	24.38
10 14 53 11-0202	EA		8', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	105.76	28.44
10 14 53 11-0203	EA		10', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	135.89	34.54
10 14 53 11-0204	EA		12', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	146.96	34.54
10 14 53 11-0205			<b>Square Sign Posts</b> (10 14 53 11-0175) Note: Excludes digging and concrete.		
10 14 53 11-0206			<b>Galvanized Steel Square Sign Posts</b> (10 14 53 11-0205)		
10 14 53 11-0207	EA		3' To 4' Galvanized Steel Square Sign Post Base.....	57.18	16.26
10 14 53 11-0208	EA		6' Galvanized Steel Square Sign Post.....	90.06	20.32
10 14 53 11-0209	EA		7' Galvanized Steel Square Sign Post.....	105.70	24.38
10 14 53 11-0210	EA		8' Galvanized Steel Square Sign Post.....	123.29	28.44
10 14 53 11-0211	EA		10' Galvanized Steel Square Sign Post.....	150.52	34.54
10 14 53 11-0212	EA		12' Galvanized Steel Square Sign Post.....	158.25	34.54
10 14 53 11-0213			<b>Sign Post Accessories</b> (10 14 53 11-0001)		
10 14 53 11-0214			<b>Sign Post Brackets</b> (10 14 53 11-0213)		
10 14 53 11-0215	EA		2-3/8" Outside Diameter, Single Side Sign Bracket Set..... Note: Includes 2 single side sign post brackets	37.74	5.95
10 14 53 11-0216	EA		2-3/8" Outside Diameter, Double Side Sign Bracket Set..... Note: Includes 2 double side sign post brackets	50.89	9.92
10 14 53 11-0217	EA		4" To 12" Diameter, Buckle Bracket Set..... Note: Includes 2 stainless steel straps, 2 brackets and fastener hardware	45.79	7.93
10 14 53 11-0218			<b>Sign Post Caps</b> (10 14 53 11-0213)		
10 14 53 11-0219	EA		2-3/8" Diameter, Galvanized, Flat Traffic Sign Post Cap (EC-2).....	17.57	3.97
10 14 53 11-0220			<b>Sign Post Replacement Bolts</b> (10 14 53 11-0213)		
10 14 53 11-0221	EA		Signage Fasteners Replacement..... Note: Includes two 5/16" x 2" long bolts, two 5/16" nuts And four 5/16" washers	12.55	
10 14 53 11-0222			<b>Removal Of Signs</b> (10 14 53 11) Note: Includes structural supports.		
10 14 53 11-0223	EA		>4 To 10 SF Sign Area, Sign Removal.....	158.70	
10 14 53 11-0224	EA		>10 To 20 SF Sign Area, Sign Removal.....	380.87	
10 14 53 11-0225	EA		>20 To 40 SF Sign Area, Sign Removal.....	571.30	
10 14 53 11-0226	EA		>40 To 100 SF Sign Area, Sign Removal.....	971.58	
10 14 53 11-0227			<b>Removal And Reinstallation Of Signs</b> (10 14 53 11) Note: Includes structural supports.		
10 14 53 11-0228	EA		>4 To 10 SF Sign Area, Removal And Reinstallation Of Sign.....	241.59	
10 14 53 11-0229	EA		>10 To 20 SF Sign Area, Removal And Reinstallation Of Sign.....	573.82	
10 14 53 11-0230	EA		>20 SF To 40 SF Sign Area, Removal And Reinstallation Of Sign.....	859.11	
10 14 53 11-0231	EA		>40 SF To 100 SF Sign Area, Removal And Reinstallation Of Sign.....	1,459.37	
10 14 53 11-0232	EA		Removal And Reinstallation Of Street Sign On Post.....	91.25	
10 14 53 11-0233	EA		Removal And Relocation Of Traffic Light..... Note: Excludes electrical hookup.	336.64	
10 14 56			<b>Bridge Signage</b> (10 14)		
10 14 56 00-0001			<b>Bridge And Truss Mounted Signs</b> (10 14 56)		
10 14 56 00-0002			<b>Removal Of Bridge And Truss Mounted Signs</b> (10 14 56 00-0001)		
10 14 56 00-0003	CF		Removal Of Foundation..... Note: Including Excavation	15.80	
10 14 56 00-0004	LF		Removal Of Truss And Supports.....	211.81	
10 14 56 00-0005	SF		Removal Of Sign Face.....	9.68	
10 14 56 00-0006	SF		Removal Of Legend.....	16.14	
10 14 56 00-0007	EA		Removal Of Changeable Message Panel.....	186.20	
10 14 56 00-0008	EA		Removal Of Posts And Supports, Per Post.....	96.82	
10 14 56 00-0009			<b>Fabricate And Install New Reflective Messages On Sign Face</b> (10 14 56 00-0001)		



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>10 14 56 00-0010</b>	<b>One Color/3 Dimensional Demountable Letters</b> <small>(10 14 56 00-0009)</small>			
10 14 56 00-0011	EA 6" Capital Height Letter.....	28.27		
10 14 56 00-0012	EA 8" Capital Height Letter.....	33.57		
10 14 56 00-0013	EA 10" Capital Height Letter.....	38.83		
10 14 56 00-0014	EA 12" Capital Height Letter.....	43.63		
10 14 56 00-0015	EA 14" Capital Height Letter.....	46.63		

<b>10 14 56 00-0016</b>	<b>Two Color Legend Shields-Die Cut Vinyl Engineer Grade</b> <small>(10 14 56 00-0009)</small>			
10 14 56 00-0017	EA 6" Legend/Shields.....	29.27		
10 14 56 00-0018	EA 8" Legend/Shields.....	34.92		
10 14 56 00-0019	EA 10" Legend/Shields.....	40.51		
10 14 56 00-0020	EA 12" Legend/Shields.....	45.65		
10 14 56 00-0021	EA 14" Legend/Shields.....	49.01		

## 10 20 Interior Specialties (10)

### 10 21 Compartments and Cubicles (10 20)

#### 10 21 13 Toilet Compartments (10 21)

##### 10 21 13 13 Metal Toilet Compartments (10 21 13)

<b>10 21 13 13-0001</b>	<b>Enamel Coated Steel Toilet Partitions And Urinal Screens</b> <small>(10 21 13 13)</small>			
	Note: Complete toilet partitions for corner installations. Includes 1" door, 1-1/4" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of galvanized sheet metal, cleaned, primed and finished with oven baked enamel or epoxy coating.			
<b>10 21 13 13-0002</b>	<b>Enamel Coated Steel Toilet Partitions</b> <small>(10 21 13 13-0001)</small>			
	Note: All colors.			
<b>10 21 13 13-0003</b>	<b>Floor Anchored, Enamel Coated Steel, Complete Toilet Partitions</b> <small>(10 21 13 13-0002)</small>			
10 21 13 13-0004	EA 36" x 60", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition.....	869.81		124.92
	<i>For &gt;10, Deduct</i>	-62.00		
	<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	171.66		
10 21 13 13-0005	EA 60" x 60", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition .....	1,046.64		136.02
	<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	171.66		
10 21 13 13-0006	EA 60" x 78", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition .....	1,116.52		141.58
	<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	171.66		
<b>10 21 13 13-0007</b>	<b>Overhead Braced, Enamel Coated Steel, Complete Toilet Partitions</b> <small>(10 21 13 13-0002)</small>			
	Note: Includes headrail.			
10 21 13 13-0008	EA 36" x 60", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition.....	913.54		152.68
	<i>For &gt;10, Deduct</i>	-60.82		
	<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	171.66		
10 21 13 13-0009	EA 60" x 60", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition .....	1,056.51		163.78
	<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	171.66		
10 21 13 13-0010	EA 60" x 78", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition .....	1,115.48		169.34
	<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	171.66		
<b>10 21 13 13-0011</b>	<b>Floor And Ceiling Anchored, Enamel Coated Steel, Complete Toilet Partitions</b> <small>(10 21 13 13-0002)</small>			
	Note: Excludes above ceiling steel.			
10 21 13 13-0012	EA 36" x 60", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition .....	1,078.32		180.44
	<i>For &gt;10, Deduct</i>	-71.74		
	<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	171.66		
10 21 13 13-0013	EA 60" x 60", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition .....	1,250.57		191.55
	<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	171.66		
10 21 13 13-0014	EA 60" x 78", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition .....	1,312.09		197.09
	<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	171.66		
<b>10 21 13 13-0015</b>	<b>Ceiling Hung, Enamel Coated Steel, Complete Toilet Partitions</b> <small>(10 21 13 13-0002)</small>			
	Note: Excludes above ceiling steel.			
10 21 13 13-0016	EA 36" x 60", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition .....	1,054.04		208.20
	<i>For &gt;10, Deduct</i>	-63.76		
	<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	171.66		
10 21 13 13-0017	EA 60" x 60", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition .....	1,254.44		219.31
	<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	171.66		
10 21 13 13-0018	EA 60" x 78", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition .....	1,322.61		224.86
	<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	171.66		

**10 Specialties**

**10 20 Interior Specialties**

**10 21 Compartments and Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13	13-0019		<b>Enamel Coated Steel Urinal Screens</b> <small>(10 21 13 13-0001)</small> Note: All colors.		
10 21 13	13-0020		<b>Floor Anchored, Enamel Coated Steel, Urinal Screens</b> <small>(10 21 13 13-0019)</small>		
10 21 13	13-0021	EA	24" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	464.63 47.56	77.70
10 21 13	13-0022	EA	36" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	514.03 47.56	83.24
10 21 13	13-0023	EA	48" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	564.87 47.56	88.80
10 21 13	13-0024		<b>Wall Hung, Enamel Coated Steel, Urinal Screens</b> <small>(10 21 13 13-0019)</small>		
10 21 13	13-0025	EA	18" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	271.61 47.56	66.59
10 21 13	13-0026	EA	24" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	293.03 47.56	72.15
10 21 13	13-0027	EA	30" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	310.00 47.56	77.70
10 21 13	13-0028		<b>Wall Hung, Wedge Shaped, Enamel Coated Steel, Urinal Screens</b> <small>(10 21 13 13-0019)</small>		
10 21 13	13-0029	EA	18" x 30" x 1", Wall Hung, Wedge Shaped, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	345.98 47.56	72.15
10 21 13	13-0030		<b>Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screens</b> <small>(10 21 13 13-0019)</small>		
10 21 13	13-0031	EA	18" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	384.32 47.56	72.15
10 21 13	13-0032	EA	24" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	410.15 47.56	77.70
10 21 13	13-0033	EA	30" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	435.98 47.56	83.24
10 21 13	13-0034		<b>Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screens</b> <small>(10 21 13 13-0019)</small>		
10 21 13	13-0035	EA	22" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	432.23 47.56	77.70
10 21 13	13-0036	EA	34" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	463.96 47.56	83.24
10 21 13	13-0037	EA	46" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	511.88 47.56	88.80
10 21 13	13-0038		<b>Enamel Coated Steel Toilet Partition Doors, Panels And Pilasters</b> <small>(10 21 13 13-0001)</small> Note: All colors. See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.		
10 21 13	13-0039		<b>Enamel Coated Steel, Toilet Partition Doors</b> <small>(10 21 13 13-0038)</small>		
10 21 13	13-0040	EA	24" x 58" x 1", Enamel Coated Steel, Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	268.26 76.53	22.20
10 21 13	13-0041	EA	26" x 58" x 1", Enamel Coated Steel, Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	274.15 76.53	22.20
10 21 13	13-0042	EA	30" x 58" x 1", Enamel Coated Steel, Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	290.73 76.53	23.88
10 21 13	13-0043	EA	34" x 58" x 1", Enamel Coated Steel, ADA Compliant Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	317.24 76.53	23.88
10 21 13	13-0044	EA	36" x 58" x 1", Enamel Coated Steel, ADA Compliant Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	323.13 76.53	23.88
10 21 13	13-0045		<b>Enamel Coated Steel, Toilet Partition Panels</b> <small>(10 21 13 13-0038)</small>		
10 21 13	13-0046	EA	6" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	199.15 47.56	33.31
10 21 13	13-0047	EA	12" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	219.44 47.56	36.09
10 21 13	13-0048	EA	18" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	239.72 47.56	38.87
10 21 13	13-0049	EA	24" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	259.99 47.56	41.64
10 21 13	13-0050	EA	30" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	280.28 47.56	44.42
10 21 13	13-0051	EA	36" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	300.54 47.56	47.20
10 21 13	13-0052	EA	42" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	319.36 47.56	49.97
10 21 13	13-0053	EA	48" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	339.63 47.56	52.75
10 21 13	13-0054	EA	55" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	354.02 47.56	55.52
10 21 13	13-0055	EA	58" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Panel Reinforced At ADA Grab Bar, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	362.13 42.00 47.56	56.63
10 21 13	13-0056	EA	60" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Panel Reinforced At ADA Grab Bar, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	372.82 42.00 47.56	58.29

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 21 13 13-0057	EA		70" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Panel Reinforced At ADA Grab Bar, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	406.36 42.00 47.56	61.07
10 21 13 13-0058	EA		78" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Panel Reinforced At ADA Grab Bar, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	435.46 42.00 47.56	63.85
<b>10 21 13 13-0059</b>			<b>70" Long, Enamel Coated Steel, Toilet Partition Pilasters <small>(10 21 13 13-0038)</small></b>		
10 21 13 13-0060	EA		Up To 4" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	148.17 47.56	16.66
10 21 13 13-0061	EA		5" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	164.04 47.56	19.43
10 21 13 13-0062	EA		6" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	181.37 47.56	22.20
10 21 13 13-0063	EA		8" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	210.48 47.56	24.98
10 21 13 13-0064	EA		10" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	238.12 47.56	27.76
10 21 13 13-0065	EA		12" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	265.76 47.56	30.53
10 21 13 13-0066	EA		18" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	340.52 47.56	33.31
10 21 13 13-0067	EA		22" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	390.26 47.56	36.09
10 21 13 13-0068	EA		24" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	419.37 47.56	38.87
<b>10 21 13 13-0069</b>			<b>82" Long, Enamel Coated Steel, Toilet Partition Pilasters <small>(10 21 13 13-0038)</small></b>		
10 21 13 13-0070	EA		Up To 4" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	120.19 47.56	16.66
10 21 13 13-0071	EA		5" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	131.64 47.56	19.43
10 21 13 13-0072	EA		6" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	144.56 47.56	22.20
10 21 13 13-0073	EA		8" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	163.36 47.56	24.98
10 21 13 13-0074	EA		10" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	180.69 47.56	27.76
10 21 13 13-0075	EA		12" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	199.49 47.56	30.53
10 21 13 13-0076	EA		18" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	244.80 47.56	33.31
10 21 13 13-0077	EA		22" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	275.40 47.56	36.09
10 21 13 13-0078	EA		24" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	294.20 47.56	38.87
<b>10 21 13 13-0079</b>			<b>96" To 120" Long, Enamel Coated Steel, Partition Pilasters <small>(10 21 13 13-0038)</small></b>		
10 21 13 13-0080	EA		Up To 4" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	166.65 47.56	22.20
10 21 13 13-0081	EA		5" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	182.50 47.56	24.98
10 21 13 13-0082	EA		6" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	199.83 47.56	27.76
10 21 13 13-0083	EA		8" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	228.95 47.56	30.53
10 21 13 13-0084	EA		10" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	256.59 47.56	33.31
10 21 13 13-0085	EA		12" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	284.23 47.56	36.09
10 21 13 13-0086	EA		18" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	359.00 47.56	38.87
10 21 13 13-0087	EA		22" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	408.72 47.56	41.64
10 21 13 13-0088	EA		24" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	437.85 47.56	44.42
<b>10 21 13 14</b>			<b>Stainless-Steel Toilet Compartments <small>(10 21 13)</small></b>		
10 21 13 14-0001			<b>Stainless Steel Toilet Partitions And Urinal Screens <small>(10 21 13 14)</small></b> Note: Complete toilet partitions for corner installations. Includes 1" door, 1-1/4" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of type 304 stainless steel. Includes satin finish.		
10 21 13 14-0002			<b>Stainless Steel Toilet Partitions <small>(10 21 13 14-0001)</small></b>		
10 21 13 14-0003			<b>Floor Anchored, Stainless Steel, Complete Toilet Partitions <small>(10 21 13 14-0002)</small></b>		
10 21 13 14-0004	EA		36" x 60", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition..... <i>For &gt;10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	1,545.09 -129.52 171.66 453.33	124.92

**10 Specialties****10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 14-0005	EA		60" x 60", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	1,854.55 171.66 553.88	136.02
10 21 13 14-0006	EA		60" x 78", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	1,941.77 171.66 580.52	141.58
<b>10 21 13 14-0007</b>			<b>Overhead Braced, Stainless Steel, Complete Toilet Partitions</b> (10 21 13 14-0002) Note: Includes headrail.		
10 21 13 14-0008	EA		36" x 60", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition ..... <i>For &gt;10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	1,343.24 -103.79 171.66 363.26	152.68
10 21 13 14-0009	EA		60" x 60", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	1,618.55 171.66 451.84	163.78
10 21 13 14-0010	EA		60" x 78", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	1,756.91 171.66 496.38	169.34
<b>10 21 13 14-0011</b>			<b>Floor And Ceiling Anchored, Stainless Steel, Complete Toilet Partitions</b> (10 21 13 14-0002) Note: Excludes above ceiling steel.		
10 21 13 14-0012	EA		36" x 60", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition ..... <i>For &gt;10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	1,837.38 -147.65 171.66 516.78	180.44
10 21 13 14-0013	EA		60" x 60", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	1,969.18 171.66 555.13	191.55
10 21 13 14-0014	EA		60" x 78", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,058.84 171.66 582.62	197.09
<b>10 21 13 14-0015</b>			<b>Ceiling Hung, Stainless Steel, Complete Toilet Partitions</b> (10 21 13 14-0002) Note: Excludes above ceiling steel.		
10 21 13 14-0016	EA		36" x 60", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition ..... <i>For &gt;10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	1,859.90 -144.35 171.66 505.23	208.20
10 21 13 14-0017	EA		60" x 60", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,238.36 171.66 629.91	219.31
10 21 13 14-0018	EA		60" x 78", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,349.38 171.66 664.88	224.86
<b>10 21 13 14-0019</b>			<b>Stainless Steel Urinal Screens</b> (10 21 13 14-0001)		
<b>10 21 13 14-0020</b>			<b>Floor Anchored, Stainless Steel, Urinal Screens</b> (10 21 13 14-0019)		
10 21 13 14-0021	EA		24" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	537.23 47.56 133.65	77.70
10 21 13 14-0022	EA		36" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	604.62 47.56 153.34	83.24
10 21 13 14-0023	EA		48" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	620.31 47.56 154.96	88.80
<b>10 21 13 14-0024</b>			<b>Wall Hung, Stainless Steel, Urinal Screens</b> (10 21 13 14-0019)		
10 21 13 14-0025	EA		18" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	404.09 47.56 94.82	66.59
10 21 13 14-0026	EA		24" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	437.32 47.56 102.56	72.15
10 21 13 14-0027	EA		30" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	476.62 47.56 112.43	77.70
<b>10 21 13 14-0028</b>			<b>Wall Hung And Post Supported, Stainless Steel, Urinal Screens</b> (10 21 13 14-0019)		
10 21 13 14-0029	EA		18" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	629.10 47.56 169.68	72.15

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 14-0030	EA		24" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	660.92 47.56 176.94	77.70
10 21 13 14-0031	EA		30" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	692.62 47.56 184.15	83.24
<b>10 21 13 14-0032 Wall Hung And Overhead Braced, Stainless Steel, Urinal Screens</b> <small>(10 21 13 14-0019)</small>					
10 21 13 14-0033	EA		22" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	537.23 47.56 133.65	77.70
10 21 13 14-0034	EA		34" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	604.61 47.56 153.34	83.24
10 21 13 14-0035	EA		46" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	674.63 47.56 173.96	88.80
10 21 13 14-0036			<b>Stainless Steel Toilet Partition Doors, Panels And Pilasters</b> <small>(10 21 13 14-0001)</small> See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.		
10 21 13 14-0037			<b>Stainless Steel, Toilet Partition Doors</b> <small>(10 21 13 14-0036)</small>		
10 21 13 14-0038	EA		24" x 58" x 1", Stainless Steel, Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For Diamond Pattern Finish, Add</i>	333.27 76.53 101.10	22.20
10 21 13 14-0039	EA		26" x 58" x 1", Stainless Steel, Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For Diamond Pattern Finish, Add</i>	378.90 76.53 117.07	22.20
10 21 13 14-0040	EA		30" x 58" x 1", Stainless Steel, Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For Diamond Pattern Finish, Add</i>	390.77 76.53 119.28	24.98
10 21 13 14-0041	EA		34" x 58" x 1", Stainless Steel, ADA Compliant Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For Diamond Pattern Finish, Add</i>	403.94 76.53 123.89	24.98
10 21 13 14-0042	EA		36" x 58" x 1", Stainless Steel, ADA Compliant Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For Diamond Pattern Finish, Add</i>	407.60 76.53 125.17	24.98
10 21 13 14-0043			<b>Stainless Steel, Toilet Partition Panels</b> <small>(10 21 13 14-0036)</small>		
10 21 13 14-0044	EA		6" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	298.40 47.56 81.12	33.31
10 21 13 14-0045	EA		12" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	330.73 47.56 90.49	36.09
10 21 13 14-0046	EA		18" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	345.54 47.56 93.73	38.87
10 21 13 14-0047	EA		24" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	362.10 47.56 97.59	41.64
10 21 13 14-0048	EA		30" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	388.45 47.56 104.86	44.42
10 21 13 14-0049	EA		36" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	418.75 47.56 113.53	47.20
10 21 13 14-0050	EA		42" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	486.04 47.56 135.14	49.97
10 21 13 14-0051	EA		48" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	530.71 47.56 148.83	52.75
10 21 13 14-0052	EA		55" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	545.53 47.56 152.07	55.52
10 21 13 14-0053	EA		58" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	571.43 47.56 160.36	56.63
10 21 13 14-0054	EA		60" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	605.65 47.56 171.17	58.29
10 21 13 14-0055	EA		70" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	634.59 47.56 179.35	61.07
10 21 13 14-0056	EA		78" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	693.97 47.56 198.20	63.85
10 21 13 14-0057			<b>70" Long, Stainless Steel, Toilet Partition Pilasters</b> <small>(10 21 13 14-0036)</small>		
10 21 13 14-0058	EA		Up To 4" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	202.16 47.56 59.10	16.66

**10 Specialties****10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
10 21 13 14-0059	EA 5" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	221.11 47.56 63.78	19.43
10 21 13 14-0060	EA 6" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	241.07 47.56 68.83	22.20
10 21 13 14-0061	EA 8" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	274.42 47.56 78.56	24.98
10 21 13 14-0062	EA 10" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	307.77 47.56 88.29	27.76
10 21 13 14-0063	EA 12" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	341.12 47.56 98.02	30.53
10 21 13 14-0064	EA 18" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	429.04 47.56 126.85	33.31
10 21 13 14-0065	EA 22" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	490.20 47.56 146.31	36.09
10 21 13 14-0066	EA 24" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	523.55 47.56 156.04	38.87
<b>10 21 13 14-0067</b>	<b>82" Long, Stainless Steel, Toilet Partition Pilasters (10 21 13 14-0036)</b>		
10 21 13 14-0068	EA Up To 4" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	157.42 47.56 43.44	16.66
10 21 13 14-0069	EA 5" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	171.47 47.56 46.41	19.43
10 21 13 14-0070	EA 6" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	185.95 47.56 49.54	22.20
10 21 13 14-0071	EA 8" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	238.60 47.56 66.02	24.98
10 21 13 14-0072	EA 10" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	268.98 47.56 74.71	27.76
10 21 13 14-0073	EA 12" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	279.67 47.56 76.51	30.53
10 21 13 14-0074	EA 18" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	315.96 47.56 87.27	33.31
10 21 13 14-0075	EA 22" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	355.32 47.56 99.10	36.09
10 21 13 14-0076	EA 24" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	377.63 47.56 104.97	38.87
<b>10 21 13 14-0077</b>	<b>96" To 120" Long, Stainless Steel, Toilet Partition Pilasters (10 21 13 14-0036)</b>		
10 21 13 14-0078	EA Up To 4" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	224.60 47.56 63.06	22.20
10 21 13 14-0079	EA 5" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	246.62 47.56 68.83	24.98
10 21 13 14-0080	EA 6" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	267.62 47.56 74.24	27.76
10 21 13 14-0081	EA 8" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	306.11 47.56 85.76	30.53
10 21 13 14-0082	EA 10" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	343.58 47.56 96.94	33.31
10 21 13 14-0083	EA 12" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	381.06 47.56 108.11	36.09
10 21 13 14-0084	EA 18" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	484.42 47.56 142.34	38.87
10 21 13 14-0085	EA 22" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	553.81 47.56 164.69	41.64
10 21 13 14-0086	EA 24" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	592.31 47.56 176.21	44.42

**10 21 13 16 Plastic-Laminate-Clad Toilet Compartments (10 21 13)**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 16-0001			<b>Laminated Plastic Toilet Partitions And Urinal Screens</b> (10 21 13 16) Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of a sandwich of high pressure decorative plastic laminate bonded to a solid industrial-grade particle board.		
10 21 13 16-0002			<b>Laminated Plastic Toilet Partitions</b> (10 21 13 16-0001) Note: Includes all standard Bobrick colors.		
10 21 13 16-0003			<b>Floor Anchored, Laminated Plastic, Complete Toilet Partitions</b> (10 21 13 16-0002)		
10 21 13 16-0004	EA		36" x 60", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition .....	1,086.81	124.92
			For >10, Deduct	-83.70	
			For Cast Stainless Steel Hardware, Add	137.93	
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	171.66	
10 21 13 16-0005	EA		60" x 60", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition .....	1,323.31	136.02
			For Cast Stainless Steel Hardware, Add	137.95	
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	171.66	
10 21 13 16-0006	EA		60" x 78", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition .....	1,422.42	141.58
			For Cast Stainless Steel Hardware, Add	137.96	
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	171.66	
10 21 13 16-0007			<b>Overhead Braced, Laminated Plastic, Complete Toilet Partitions</b> (10 21 13 16-0002) Note: Includes headrail.		
10 21 13 16-0008	EA		36" x 60", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition .....	1,183.19	152.68
			For >10, Deduct	-87.78	
			For Cast Stainless Steel Hardware, Add	137.97	
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	171.66	
10 21 13 16-0009	EA		60" x 60", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition .....	1,429.90	163.78
			For Cast Stainless Steel Hardware, Add	137.99	
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	171.66	
10 21 13 16-0010	EA		60" x 78", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition .....	1,536.67	169.34
			For Cast Stainless Steel Hardware, Add	137.99	
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	171.66	
10 21 13 16-0011			<b>Ceiling Hung, Laminated Plastic, Complete Toilet Partitions</b> (10 21 13 16-0002) Note: Excludes above ceiling steel.		
10 21 13 16-0012	EA		36" x 60", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition .....	1,583.53	208.20
			For >10, Deduct	-116.72	
			For Cast Stainless Steel Hardware, Add	138.05	
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	171.66	
10 21 13 16-0013	EA		60" x 60", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition .....	1,838.11	219.31
			For Cast Stainless Steel Hardware, Add	138.06	
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	171.66	
10 21 13 16-0014	EA		60" x 78", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition .....	1,937.21	224.86
			For Cast Stainless Steel Hardware, Add	138.07	
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	171.66	
10 21 13 16-0015			<b>Laminated Plastic Urinal Screens</b> (10 21 13 16-0001) Note: Includes all standard Bobrick colors.		
10 21 13 16-0016			<b>Floor Anchored, Laminated Plastic, Urinal Screens</b> (10 21 13 16-0015)		
10 21 13 16-0017	EA		24" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen .....	467.53	77.70
			For Heavy Gauge Full-Height SS Brackets, Add	47.56	
10 21 13 16-0018	EA		36" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen .....	509.27	83.24
			For Heavy Gauge Full-Height SS Brackets, Add	47.56	
10 21 13 16-0019	EA		48" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen .....	526.36	88.80
			For Heavy Gauge Full-Height SS Brackets, Add	47.56	
10 21 13 16-0020			<b>Wall Hung, Laminated Plastic, Urinal Screens</b> (10 21 13 16-0015)		
10 21 13 16-0021	EA		18" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen .....	365.53	66.59
			For Heavy Gauge Full-Height SS Brackets, Add	47.56	
10 21 13 16-0022	EA		24" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen .....	385.38	72.15
			For Heavy Gauge Full-Height SS Brackets, Add	47.56	
10 21 13 16-0023	EA		30" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen .....	404.42	77.70
			For Heavy Gauge Full-Height SS Brackets, Add	47.56	
10 21 13 16-0024			<b>Wall Hung And Post Supported, Laminated Plastic, Urinal Screens</b> (10 21 13 16-0015)		
10 21 13 16-0025	EA		18" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen .....	478.97	72.15
			For Heavy Gauge Full-Height SS Brackets, Add	47.56	
10 21 13 16-0026	EA		24" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen .....	524.98	77.70
			For Heavy Gauge Full-Height SS Brackets, Add	47.56	
10 21 13 16-0027	EA		30" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen .....	574.67	83.24
			For Heavy Gauge Full-Height SS Brackets, Add	47.56	

**10 Specialties****10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 16-0028			<b>Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screens</b> <small>(10 21 13 16-0015)</small>		
10 21 13 16-0029	EA		24" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	444.22 47.56	72.15
10 21 13 16-0030	EA		36" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	486.81 47.56	77.70
10 21 13 16-0031	EA		48" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	503.42 47.56	83.24
10 21 13 16-0032			<b>Laminated Plastic Toilet Partition Doors, Panels And Pilasters</b> <small>(10 21 13 16-0001)</small> Note: Includes all standard Bobrick colors. See CSI section 10 21 13 43-0000 for accessories.		
10 21 13 16-0033			<b>Laminated Plastic, Toilet Partition Doors</b> <small>(10 21 13 16-0032)</small>		
10 21 13 16-0034	EA		24" x 58" x 1", Laminated Plastic, Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	353.84 76.53	22.20
10 21 13 16-0035	EA		26" x 58" x 1", Laminated Plastic, Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	383.91 76.53	22.20
10 21 13 16-0036	EA		30" x 58" x 1", Laminated Plastic, Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	397.66 76.53	24.98
10 21 13 16-0037	EA		34" x 58" x 1", Laminated Plastic, Americans With Disabilities Act Compliant Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	406.95 76.53	24.98
10 21 13 16-0038	EA		36" x 58" x 1", Laminated Plastic, Americans With Disabilities Act Compliant Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	415.70 76.53	24.98
10 21 13 16-0039			<b>Laminated Plastic, Toilet Partition Panels</b> <small>(10 21 13 16-0032)</small>		
10 21 13 16-0040	EA		6" x 58" x 1", Laminated Plastic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	188.48 47.56	33.31
10 21 13 16-0041	EA		12" x 58" x 1", Laminated Plastic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	208.21 47.56	36.09
10 21 13 16-0042	EA		18" x 58" x 1", Laminated Plastic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	227.93 47.56	38.87
10 21 13 16-0043	EA		24" x 58" x 1", Laminated Plastic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	248.39 47.56	41.64
10 21 13 16-0044	EA		30" x 58" x 1", Laminated Plastic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	267.38 47.56	44.42
10 21 13 16-0045	EA		36" x 58" x 1", Laminated Plastic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	287.90 47.56	47.20
10 21 13 16-0046	EA		42" x 58" x 1", Laminated Plastic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	295.12 47.56	49.97
10 21 13 16-0047	EA		48" x 58" x 1", Laminated Plastic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	303.39 47.56	52.75
10 21 13 16-0048	EA		55" x 58" x 1", Laminated Plastic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	319.34 47.56	55.52
10 21 13 16-0049	EA		58" x 58" x 1", Laminated Plastic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	332.19 47.56	56.63
10 21 13 16-0050	EA		60" x 58" x 1", Laminated Plastic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	346.74 47.56	58.29
10 21 13 16-0051	EA		70" x 58" x 1", Laminated Plastic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	393.30 47.56	61.07
10 21 13 16-0052	EA		78" x 58" x 1", Laminated Plastic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	445.85 47.56	63.85
10 21 13 16-0053			<b>69" Long, Laminated Plastic, Toilet Partition Pilasters</b> <small>(10 21 13 16-0032)</small>		
10 21 13 16-0054	EA		Up To 4" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	149.75 9.61 47.56 116.44	16.66
10 21 13 16-0055	EA		5" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	172.81 11.05 47.56 133.94	19.43
10 21 13 16-0056	EA		6" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	178.36 11.05 47.56 133.94	22.20
10 21 13 16-0057	EA		8" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	197.03 12.13 47.56 147.06	24.98
10 21 13 16-0058	EA		10" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	206.40 12.45 47.56 150.88	27.76
10 21 13 16-0059	EA		12" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	224.53 13.49 47.56 163.46	30.53
10 21 13 16-0060	EA		18" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	283.65 17.90 47.56 217.03	33.31
10 21 13 16-0061	EA		22" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	341.69 22.23 47.56 269.51	36.09



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21	13 16-0062	EA	24" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster ..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	382.77 25.17 47.56 305.04	38.87
<b>10 21</b>	<b>13 16-0063</b>		<b>83" Long, Laminated Plastic, Toilet Partition Pilasters</b> (10 21 13 16-0032)		
10 21	13 16-0064	EA	Up To 4" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	287.51 20.97 47.56 254.20	16.66
10 21	13 16-0065	EA	5" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster ..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	318.22 23.05 47.56 279.35	19.43
10 21	13 16-0066	EA	6" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster ..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	323.77 23.05 47.56 279.35	22.20
10 21	13 16-0067	EA	8" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster ..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	350.64 24.81 47.56 300.67	24.98
10 21	13 16-0068	EA	10" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster ..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	382.98 27.02 47.56 327.46	27.76
10 21	13 16-0069	EA	12" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster ..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	409.30 28.73 47.56 348.23	30.53
10 21	13 16-0070	EA	18" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster ..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	507.52 36.37 47.56 440.90	33.31
10 21	13 16-0071	EA	22" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster ..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	577.31 41.67 47.56 505.13	36.09
10 21	13 16-0072	EA	24" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster ..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	593.24 42.53 47.56 515.51	38.87
<b>10 21</b>	<b>13 19</b>		<b>Plastic Toilet Compartments</b> (10 21 13)		
10 21	13 19-0001		<b>Recycled Solid Polymer (HDPE) Toilet Partitions And Urinal Screens</b> (10 21 13 19) Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of high density polyethylene (HDPE). Includes Class B fire rating.		
10 21	13 19-0002		<b>Recycled Solid Plastic (HDPE) Toilet Partitions</b> (10 21 13 19-0001) Note: Includes all standard Columbia Partitions colors.		
10 21	13 19-0003		<b>Overhead Braced, Recycled Solid Plastic (HDPE), Complete Toilet Partitions</b> (10 21 13 19-0002) Note: Includes headrail.		
10 21	13 19-0004	EA	36" x 60", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition ..... <i>For &gt;10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,414.92 -110.96 171.66 687.93	152.68
10 21	13 19-0005	EA	60" x 60", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,729.35 171.66 869.10	163.78
10 21	13 19-0006	EA	60" x 78", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,910.06 171.66 974.26	169.34
10 21	13 19-0007		<b>Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), Complete Toilet Partitions</b> (10 21 13 19-0002) Note: Excludes above ceiling steel.		
10 21	13 19-0008	EA	36" x 60", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition ..... <i>For &gt;10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,428.41 -106.75 171.66 661.87	180.44
10 21	13 19-0009	EA	60" x 60", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,769.98 171.66 859.87	191.55

## 10 Specialties

## 10 20 Interior Specialties

## 10 21 Compartments and Cubicles

 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

10 21 13 19-0010	EA	60" x 78", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition .....	1,950.70	197.09
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	171.66	
		<i>For NFPA Class A, Add</i>	965.03	
10 21 13 19-0011		<b>Ceiling Hung, Recycled Solid Plastic (HDPE), Complete Toilet Partitions</b> (10 21 13 19-0002)		
		Note: Excludes above ceiling steel.		
10 21 13 19-0012	EA	36" x 60", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition.....	1,508.13	208.20
		<i>For &gt;10, Deduct</i>	-109.17	
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	171.66	
		<i>For NFPA Class A, Add</i>	676.87	
10 21 13 19-0013	EA	60" x 60", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	1,775.01	219.31
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	171.66	
		<i>For NFPA Class A, Add</i>	828.56	
10 21 13 19-0014	EA	60" x 78", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	1,955.71	224.86
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	171.66	
		<i>For NFPA Class A, Add</i>	933.72	
10 21 13 19-0015		<b>Recycled Solid Plastic (HDPE) Urinal Screens</b> (10 21 13 19-0001)		
		Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0016		<b>Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screens</b> (10 21 13 19-0015)		
10 21 13 19-0017	EA	18" x 42" x 1", Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screen.....	345.75	66.59
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	47.56	
		<i>For NFPA Class A, Add</i>	131.79	
10 21 13 19-0018	EA	24" x 42" x 1", Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screen.....	365.23	72.15
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	47.56	
		<i>For NFPA Class A, Add</i>	136.98	
10 21 13 19-0019		<b>Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screens</b> (10 21 13 19-0015)		
10 21 13 19-0020	EA	18" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen.....	433.22	72.15
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	47.56	
		<i>For NFPA Class A, Add</i>	179.14	
10 21 13 19-0021	EA	24" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen.....	540.61	77.70
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	47.56	
		<i>For NFPA Class A, Add</i>	238.84	
10 21 13 19-0022	EA	30" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen.....	599.13	83.24
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	47.56	
		<i>For NFPA Class A, Add</i>	268.24	
10 21 13 19-0023		<b>Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screens</b> (10 21 13 19-0015)		
10 21 13 19-0024	EA	24" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen.....	444.32	77.70
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	47.56	
		<i>For NFPA Class A, Add</i>	179.14	
10 21 13 19-0025	EA	36" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen.....	551.71	83.24
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	47.56	
		<i>For NFPA Class A, Add</i>	238.84	
10 21 13 19-0026	EA	48" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen.....	649.57	88.80
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	47.56	
		<i>For NFPA Class A, Add</i>	292.62	
10 21 13 19-0027		<b>Recycled Solid Plastic (HDPE) Toilet Partition Doors, Panels And Pilasters</b> (10 21 13 19-0001)		
		Note: Includes all standard Columbia Partitions colors. See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.		
10 21 13 19-0028		<b>Recycled Solid Plastic (HDPE), Toilet Partition Doors</b> (10 21 13 19-0027)		
10 21 13 19-0029	EA	24" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door .....	330.01	22.20
		<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	76.53	
		<i>For NFPA Class A, Add</i>	177.07	
10 21 13 19-0030	EA	26" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door .....	356.00	22.20
		<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	76.53	
		<i>For NFPA Class A, Add</i>	193.18	
10 21 13 19-0031	EA	30" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door .....	387.35	24.98
		<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	76.53	
		<i>For NFPA Class A, Add</i>	209.18	
10 21 13 19-0032	EA	34" x 55" x 1", Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door .....	439.95	24.98
		<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	76.53	
		<i>For NFPA Class A, Add</i>	241.79	
10 21 13 19-0033	EA	36" x 55" x 1", Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door .....	452.40	24.98
		<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	76.53	
		<i>For NFPA Class A, Add</i>	249.51	
10 21 13 19-0034		<b>Recycled Solid Plastic (HDPE), Toilet Partition Panels</b> (10 21 13 19-0027)		
10 21 13 19-0035	EA	6" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel .....	129.92	33.31
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	47.56	
		<i>For NFPA Class A, Add</i>	39.25	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	10 21	13	19-0036	EA 12" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	198.78 47.56 78.49	36.09
	10 21	13	19-0037	EA 18" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	267.62 47.56 117.73	38.87
	10 21	13	19-0038	EA 24" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	310.51 47.56 140.88	41.64
	10 21	13	19-0039	EA 30" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	372.88 47.56 176.10	44.42
	10 21	13	19-0040	EA 36" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	398.29 47.56 188.42	47.20
	10 21	13	19-0041	EA 42" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	445.60 47.56 214.31	49.97
	10 21	13	19-0042	EA 48" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	500.52 47.56 244.92	52.75
	10 21	13	19-0043	EA 55" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	545.60 47.56 269.43	55.52
	10 21	13	19-0044	EA 58" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	557.40 47.56 275.37	56.63
	10 21	13	19-0045	EA 60" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	576.05 47.56 284.87	58.29
	10 21	13	19-0046	EA 70" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	648.63 47.56 326.42	61.07
	10 21	13	19-0047	EA 78" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	698.05 47.56 353.62	63.85
	10 21	13	19-0048	<b>82" Long, Recycled Solid Plastic (HDPE), Toilet Partition Pilasters</b> <small>(1021 13 19-0027)</small>		
	10 21	13	19-0049	EA Up To 4" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	155.25 47.56 75.60	16.66
	10 21	13	19-0050	EA 5" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	173.03 47.56 83.18	19.43
	10 21	13	19-0051	EA 6" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	188.67 47.56 89.44	22.20
	10 21	13	19-0052	EA 8" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	203.24 47.56 95.03	24.98
	10 21	13	19-0053	EA 10" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	228.04 47.56 106.96	27.76
	10 21	13	19-0054	EA 12" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	252.83 47.56 118.89	30.53
	10 21	13	19-0055	EA 18" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	342.84 47.56 171.26	33.31
	10 21	13	19-0056	EA 22" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	386.81 47.56 195.07	36.09
	10 21	13	19-0057	EA 24" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	420.96 47.56 212.80	38.87
	10 21	13	19-0058	<b>96" To 120", Recycled Solid Plastic (HDPE), Toilet Partition Pilasters</b> <small>(1021 13 19-0027)</small>		
	10 21	13	19-0059	EA Up To 4" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	190.47 47.56 90.55	22.20
	10 21	13	19-0060	EA 5" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	209.92 47.56 99.17	24.98
	10 21	13	19-0061	EA 6" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	231.33 47.56 109.00	27.76
	10 21	13	19-0062	EA 8" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	261.67 47.56 124.37	30.53
	10 21	13	19-0063	EA 10" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	292.27 47.56 139.90	33.31
	10 21	13	19-0064	EA 12" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	322.62 47.56 155.27	36.09

**10 Specialties****10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
10 21 13 19-0065	EA 18" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	409.86 47.56 205.92	38.87
10 21 13 19-0066	EA 22" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	457.68 47.56 232.13	41.64
10 21 13 19-0067	EA 24 x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	497.28 47.56 253.23	44.42
10 21 13 19-0068	<b>Antimicrobial Recycled Solid Polymer (HDPE) Toilet Partitions And Urinal Screens</b> <small>(10 21 13 19)</small> Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and hardware as required. Constructed of high density polyethylene (HDPE). Includes Class B fire rating.		
10 21 13 19-0069	<b>Antimicrobial Recycled Solid Plastic (HDPE) Toilet Partitions</b> <small>(10 21 13 19-0068)</small> Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0070	<b>Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Complete Toilet Partitions</b> <small>(10 21 13 19-0069)</small> Note: Includes headrail.		
10 21 13 19-0071	EA 36" x 60", Overhead Braced, Antimicrobial Solid Plastic (High Density Polyethylene), One Compartment Corner Unit, Complete Toilet Partition ..... <i>For &gt;10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,803.27 -149.79 171.66 928.70	152.68
10 21 13 19-0072	EA 60" x 60", Overhead Braced, Antimicrobial Solid Plastic (High Density Polyethylene), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,219.99 171.66 1,173.30	163.78
10 21 13 19-0073	EA 60" x 78", Overhead Braced, Antimicrobial Solid Plastic (High Density Polyethylene), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,460.06 171.66 1,315.26	169.34
10 21 13 19-0074	<b>Floor And Ceiling Anchored, Antimicrobial Recycled Solid Plastic (HDPE), Complete Toilet Partitions</b> <small>(10 21 13 19-0069)</small> Note: Excludes above ceiling steel.		
10 21 13 19-0075	EA 36" x 60", Floor And Ceiling Anchored, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition ..... <i>For &gt;10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,802.04 -144.12 171.66 893.52	180.44
10 21 13 19-0076	EA 60" x 60", Floor And Ceiling Anchored, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,255.39 171.66 1,160.83	191.55
10 21 13 19-0077	EA 60" x 78", Floor And Ceiling Anchored, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,495.47 171.66 1,302.79	197.09
10 21 13 19-0078	<b>Ceiling Hung, Antimicrobial Recycled Solid Plastic (HDPE), Complete Toilet Partitions</b> <small>(10 21 13 19-0069)</small> Note: Excludes above ceiling steel.		
10 21 13 19-0079	EA 36" x 60", Ceiling Hung, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition ..... <i>For &gt;10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,890.25 -147.39 171.66 913.79	208.20
10 21 13 19-0080	EA 60" x 60", Ceiling Hung, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,242.74 171.66 1,118.55	219.31
10 21 13 19-0081	EA 60" x 78", Ceiling Hung, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,482.81 171.66 1,260.52	224.86
10 21 13 19-0082	<b>Antimicrobial Recycled Solid Plastic (HDPE) Urinal Screens</b> <small>(10 21 13 19-0068)</small> Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0083	<b>Wall Hung, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screens</b> <small>(10 21 13 19-0082)</small>		
10 21 13 19-0084	EA 18" x 42" x 1", Wall Hung, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	420.14 47.56 177.91	66.59
10 21 13 19-0085	EA 24" x 42" x 1", Wall Hung, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	439.83 47.56 183.23	72.15

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 21 13 19-0086			<b>Wall Hung And Post Supported, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screens</b> <small>(10 21 13 19-0086)</small>		
10 21 13 19-0087	EA		18" x 42" x 1", Wall Hung And Post Supported, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	664.33 47.56 322.42	72.15
10 21 13 19-0088	EA		24" x 42" x 1", Wall Hung And Post Supported, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	753.65 47.56 370.92	77.70
10 21 13 19-0089	EA		30" x 42" x 1", Wall Hung And Post Supported, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	803.65 47.56 395.04	83.24
10 21 13 19-0090			<b>Wall Hung And Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screens</b> <small>(10 21 13 19-0090)</small>		
10 21 13 19-0091	EA		24" x 55" x 1", Wall Hung And Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	545.42 47.56 241.82	77.70
10 21 13 19-0092	EA		36" x 55" x 1", Wall Hung And Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	686.53 47.56 322.42	83.24
10 21 13 19-0093	EA		48" x 55" x 1", Wall Hung And Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	814.76 47.56 395.04	88.80
10 21 13 19-0094			<b>Antimicrobial Recycled Solid Plastic (HDPE) Toilet Partition Doors, Panels And Pilasters</b> <small>(10 21 13 19-0094)</small>		
			Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0095			<b>Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Doors</b> <small>(10 21 13 19-0095)</small>		
10 21 13 19-0096	EA		24" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	429.97 76.53 239.04	22.20
10 21 13 19-0097	EA		26" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	465.07 76.53 260.80	22.20
10 21 13 19-0098	EA		30" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	505.43 76.53 282.39	24.98
10 21 13 19-0099	EA		34" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	576.45 76.53 326.42	24.98
10 21 13 19-0100	EA		36" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	593.24 76.53 336.83	24.98
10 21 13 19-0101			<b>Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panels</b> <small>(10 21 13 19-0094)</small>		
10 21 13 19-0102	EA		6" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	152.07 47.56 52.98	33.31
10 21 13 19-0103	EA		12" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	243.09 47.56 105.96	36.09
10 21 13 19-0104	EA		18" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	334.09 47.56 158.94	38.87
10 21 13 19-0105	EA		24" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	390.03 47.56 190.19	41.64
10 21 13 19-0106	EA		30" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	472.29 47.56 237.74	44.42
10 21 13 19-0107	EA		36" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	504.66 47.56 254.37	47.20
10 21 13 19-0108	EA		42" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	566.57 47.56 289.31	49.97
10 21 13 19-0109	EA		48" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	638.79 47.56 330.65	52.75
10 21 13 19-0110	EA		55" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	697.70 47.56 363.73	55.52
10 21 13 19-0111	EA		58" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	712.85 47.56 371.75	56.63
10 21 13 19-0112	EA		60" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	736.85 47.56 384.56	58.29
10 21 13 19-0113	EA		70" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	832.91 47.56 440.67	61.07

**10 Specialties****10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0114	EA		78" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	897.67 47.56 477.39	63.85
<b>10 21 13 19-0115</b>			<b>82" Long, Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilasters</b> <small>(10 21 13 19-0094)</small>		
10 21 13 19-0116	EA		Up To 4" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	197.93 47.56 102.06	16.66
10 21 13 19-0117	EA		5" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	219.99 47.56 112.29	19.43
10 21 13 19-0118	EA		6" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	239.16 47.56 120.74	22.20
10 21 13 19-0119	EA		8" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	275.69 47.56 139.95	24.98
10 21 13 19-0120	EA		10" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	309.61 47.56 157.54	27.76
10 21 13 19-0121	EA		12" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	343.48 47.56 175.09	30.53
10 21 13 19-0122	EA		18" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	439.52 47.56 231.20	33.31
10 21 13 19-0123	EA		22" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	496.93 47.56 263.35	36.09
10 21 13 19-0124	EA		24" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	541.08 47.56 287.28	38.87
<b>10 21 13 19-0125</b>			<b>96" To 120", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilasters</b> <small>(10 21 13 19-0094)</small>		
10 21 13 19-0126	EA		Up To 4" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	241.58 47.56 122.24	22.20
10 21 13 19-0127	EA		5" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	265.91 47.56 133.88	24.98
10 21 13 19-0128	EA		6" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	292.88 47.56 147.16	27.76
10 21 13 19-0129	EA		8" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	331.88 47.56 167.90	30.53
10 21 13 19-0130	EA		10" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	371.26 47.56 188.88	33.31
10 21 13 19-0131	EA		12" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	410.26 47.56 209.61	36.09
10 21 13 19-0132	EA		18" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	526.11 47.56 278.00	38.87
10 21 13 19-0133	EA		22" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	588.72 47.56 313.37	41.64
10 21 13 19-0134	EA		24" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	640.22 47.56 341.86	44.42
<b>10 21 13 19-0135</b>			<b>Solid Phenolic Toilet Partitions And Urinal Screens</b> <small>(10 21 13 19)</small> Note: Complete toilet partitions for corner installations. Includes 3/4" door, 3/4" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of solid phenolic (resin impregnated kraft paper) core with a high pressure decorative matte surface finish as an integral part of the core material. Includes Class B fire rating.		
<b>10 21 13 19-0136</b>			<b>Solid Phenolic Toilet Partitions</b> <small>(10 21 13 19-0135)</small> Note: Includes all standard Bobrick colors.		
<b>10 21 13 19-0137</b>			<b>Floor Anchored, Solid Phenolic, Complete Toilet Partitions</b> <small>(10 21 13 19-0136)</small>		
10 21 13 19-0138	EA		36" x 60", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition..... <i>For &gt;10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,626.91 -137.71 171.66 301.68	124.92
10 21 13 19-0139	EA		60" x 60", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,992.44 171.66 374.88	136.02

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0140	EA		60" x 78", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,221.11 171.66 421.13	141.58
<b>10 21 13 19-0141</b>			<b>Overhead Braced, Solid Phenolic, Complete Toilet Partitions (10 21 13 19-0136)</b> Note: Includes headrail.		
10 21 13 19-0142	EA		36" x 60", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition ..... <i>For &gt;10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,811.17 -150.58 171.66 331.49	152.68
10 21 13 19-0143	EA		60" x 60", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,191.05 171.66 407.71	163.78
10 21 13 19-0144	EA		60" x 78", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,430.69 171.66 456.26	169.34
<b>10 21 13 19-0145</b>			<b>Floor And Ceiling Anchored, Solid Phenolic, Complete Toilet Partitions (10 21 13 19-0136)</b> Note: Excludes above ceiling steel.		
10 21 13 19-0146	EA		36" x 60", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition ..... <i>For &gt;10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,878.45 -151.76 171.66 336.73	180.44
10 21 13 19-0147	EA		60" x 60", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,255.67 171.66 412.40	191.55
10 21 13 19-0148	EA		60" x 78", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,484.36 171.66 458.64	197.09
<b>10 21 13 19-0149</b>			<b>Ceiling Hung, Solid Phenolic, Complete Toilet Partitions (10 21 13 19-0136)</b> Note: Excludes above ceiling steel.		
10 21 13 19-0150	EA		36" x 60", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition..... <i>For &gt;10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,863.73 -144.73 171.66 324.76	208.20
10 21 13 19-0151	EA		60" x 60", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,229.00 171.66 397.91	219.31
10 21 13 19-0152	EA		60" x 78", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,457.67 171.66 444.16	224.86
<b>10 21 13 19-0153</b>			<b>Solid Phenolic Urinal Screens (10 21 13 19-0135)</b> Note: Includes all standard Bobrick colors.		
<b>10 21 13 19-0154</b>			<b>Floor Anchored, Solid Phenolic, Urinal Screens (10 21 13 19-0153)</b>		
10 21 13 19-0155	EA		24" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	604.21 47.56 102.02	77.70
10 21 13 19-0156	EA		36" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	681.46 47.56 116.47	83.24
10 21 13 19-0157	EA		48" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	813.38 47.56 142.39	88.80
<b>10 21 13 19-0158</b>			<b>Wall Hung, Solid Phenolic, Urinal Screens (10 21 13 19-0153)</b>		
10 21 13 19-0159	EA		18" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	392.32 47.56 61.08	66.59
10 21 13 19-0160	EA		24" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	452.61 47.56 71.96	72.15
10 21 13 19-0161	EA		30" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	540.86 47.56 88.72	77.70
<b>10 21 13 19-0162</b>			<b>Wall Hung And Post Supported, Solid Phenolic, Urinal Screens (10 21 13 19-0153)</b>		
10 21 13 19-0163	EA		18" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	400.05 47.56 60.92	72.15
10 21 13 19-0164	EA		24" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	496.38 47.56 79.38	77.70

**10 Specialties****10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
10 21 13 19-0165	EA 30" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	577.59 47.56 94.66	83.24
<b>10 21 13 19-0166</b>	<b>Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screens</b> (10 21 13 19-0153)		
10 21 13 19-0167	EA 22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	618.98 47.56 106.90	72.15
10 21 13 19-0168	EA 36" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	696.69 47.56 121.44	77.70
10 21 13 19-0169	EA 48" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	831.07 47.56 147.89	83.24
<b>10 21 13 19-0170</b>	<b>Solid Phenolic Toilet Partition Doors, Panels And Pilasters</b> (10 21 13 19-0135) Note: Includes all standard Bobrick colors. See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.		
<b>10 21 13 19-0171</b>	<b>Solid Phenolic, Toilet Partition Doors</b> (10 21 13 19-0170)		
10 21 13 19-0172	EA 24" x 58" x 3/4", Solid Phenolic, Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	436.93 76.53 84.65	22.20
10 21 13 19-0173	EA 26" x 58" x 3/4", Solid Phenolic, Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	451.69 76.53 87.75	22.20
10 21 13 19-0174	EA 30" x 58" x 3/4", Solid Phenolic, Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	495.12 76.53 95.98	24.98
10 21 13 19-0175	EA 34" x 58" x 3/4", Solid Phenolic, ADA Compliant Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	533.60 76.53 104.06	24.98
10 21 13 19-0176	EA 36" x 58" x 3/4", Solid Phenolic, ADA Compliant Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	573.14 76.53 112.36	24.98
<b>10 21 13 19-0177</b>	<b>Solid Phenolic, Toilet Partition Panels</b> (10 21 13 19-0170)		
10 21 13 19-0178	EA 6" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	148.42 47.56 20.51	33.31
10 21 13 19-0179	EA 12" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	194.85 47.56 29.37	36.09
10 21 13 19-0180	EA 18" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	261.72 47.56 42.52	38.87
10 21 13 19-0181	EA 24" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	329.28 47.56 55.82	41.64
10 21 13 19-0182	EA 30" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	366.46 47.56 62.74	44.42
10 21 13 19-0183	EA 36" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	405.44 47.56 70.04	47.20
10 21 13 19-0184	EA 42" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	471.26 47.56 82.97	49.97
10 21 13 19-0185	EA 48" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	539.00 47.56 96.31	52.75
10 21 13 19-0186	EA 55" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	574.62 47.56 102.90	55.52
10 21 13 19-0187	EA 58" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	590.51 47.56 105.89	56.63
10 21 13 19-0188	EA 60" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	602.05 47.56 107.77	58.29
10 21 13 19-0189	EA 70" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	690.69 47.56 125.50	61.07
10 21 13 19-0190	EA 78" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	830.71 47.56 154.02	63.85
<b>10 21 13 19-0191</b>	<b>69" Long, Solid Phenolic, Toilet Partition Pilasters</b> (10 21 13 19-0170)		
10 21 13 19-0192	EA Up To 4" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	209.89 22.07 47.56 38.75	16.66



		<b>Specialties</b>	<b>10</b>
		<b>Interior Specialties</b>	<b>10 20</b>
		<b>Compartments and Cubicles</b>	<b>10 21</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0193	EA	5" x 69" x 3/4"	Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	241.69 25.35 47.56 44.54	19.43
10 21 13 19-0194	EA	6" x 69" x 3/4"	Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	247.24 25.35 47.56 44.81	22.20
10 21 13 19-0195	EA	8" x 69" x 3/4"	Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	286.13 29.52 47.56 52.09	24.98
10 21 13 19-0196	EA	10" x 69" x 3/4"	Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	321.75 33.28 47.56 58.68	27.76
10 21 13 19-0197	EA	12" x 69" x 3/4"	Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	357.37 37.04 47.56 65.28	30.53
10 21 13 19-0198	EA	16" x 69" x 3/4"	Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	455.31 48.59 47.56 84.96	33.31
10 21 13 19-0199	EA	20" x 69" x 3/4"	Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	557.63 60.68 47.56 105.55	36.09
10 21 13 19-0200	EA	24" x 69" x 3/4"	Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	586.14 63.55 47.56 110.65	38.87
<b>10 21 13 19-0201</b>		<b>83" Long, Solid Phenolic, Toilet Partition Pilasters</b>	<small>(10 21 13 19-0170)</small>		
10 21 13 19-0202	EA	Up To 4" x 83" x 3/4"	Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	229.57 24.53 47.56 42.88	16.66
10 21 13 19-0203	EA	5" x 83" x 3/4"	Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	269.02 28.77 47.56 50.28	19.43
10 21 13 19-0204	EA	6" x 83" x 3/4"	Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	274.57 28.77 47.56 50.55	22.20
10 21 13 19-0205	EA	8" x 83" x 3/4"	Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	317.84 33.48 47.56 58.75	24.98
10 21 13 19-0206	EA	10" x 83" x 3/4"	Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	358.92 37.93 47.56 66.49	27.76
10 21 13 19-0207	EA	12" x 83" x 3/4"	Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	400.29 42.40 47.56 74.29	30.53
10 21 13 19-0208	EA	16" x 83" x 3/4"	Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	519.27 56.58 47.56 98.39	33.31
10 21 13 19-0209	EA	20" x 83" x 3/4"	Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	617.50 68.17 47.56 118.13	36.09
10 21 13 19-0210	EA	24" x 83" x 3/4"	Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	649.84 71.51 47.56 124.03	38.87
<b>10 21 13 19-0211</b>		<b>96" To 120" Long, Solid Phenolic, Toilet Partition Pilasters</b>	<small>(10 21 13 19-0170)</small>		
10 21 13 19-0212	EA	Up To 4" x 96" To 120" x 3/4"	Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	260.36 26.99 47.56 47.57	22.20
10 21 13 19-0213	EA	5" x 96" To 120" x 3/4"	Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	307.45 32.19 47.56 56.57	24.98
10 21 13 19-0214	EA	6" x 96" To 120" x 3/4"	Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	313.00 32.19 47.56 56.85	27.76
10 21 13 19-0215	EA	8" x 96" To 120" x 3/4"	Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	360.65 37.45 47.56 65.97	30.53

**10 Specialties**

**10 20 Interior Specialties**

**10 21 Compartments and Cubicles**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0216	EA		10" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	407.20 42.57 47.56 74.85	33.31
10 21 13 19-0217	EA		12" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	454.31 47.77 47.56 83.86	36.09
10 21 13 19-0218	EA		16" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	594.34 64.58 47.56 112.37	38.87
10 21 13 19-0219	EA		20" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	688.45 75.65 47.56 131.25	41.64
10 21 13 19-0220	EA		24" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	724.62 79.47 47.56 137.96	44.42
10 21 13 19-0221			<b>Solid Color Reinforced Composite Toilet Partitions And Urinal Screens</b> (10 21 13 19-0221) <small>Note: Complete toilet partitions for corner installations. Includes 3/4" door, 3/4" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of solid color reinforced composite core with a high pressure decorative matte surface finish as an integral part of the core material.</small>		
10 21 13 19-0222			<b>Solid Color Reinforced Composite Toilet Partitions</b> (10 21 13 19-0221) <small>Note: Includes all standard Bobrick colors.</small>		
10 21 13 19-0223			<b>Floor Anchored, Solid Color Reinforced Composite, Complete Toilet Partitions</b> (10 21 13 19-0222)		
10 21 13 19-0224	EA		36" x 60", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition ..... <i>For &gt;10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	1,792.16 -154.23 171.66	124.92
10 21 13 19-0225	EA		60" x 60", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	2,198.88 171.66	136.02
10 21 13 19-0226	EA		60" x 78", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	2,453.67 171.66	141.58
10 21 13 19-0227			<b>Overhead Braced, Solid Color Reinforced Composite, Complete Toilet Partitions</b> (10 21 13 19-0222) <small>Note: Includes headrail.</small>		
10 21 13 19-0228	EA		36" x 60", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition ..... <i>For &gt;10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	1,991.86 -168.65 171.66	152.68
10 21 13 19-0229	EA		60" x 60", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	2,414.67 171.66	163.78
10 21 13 19-0230	EA		60" x 78", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	2,681.73 171.66	169.34
10 21 13 19-0231			<b>Floor And Ceiling Anchored, Solid Color Reinforced Composite, Complete Toilet Partitions</b> (10 21 13 19-0222) <small>Note: Excludes above ceiling steel.</small>		
10 21 13 19-0232	EA		36" x 60", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition ..... <i>For &gt;10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	2,060.56 -169.97 171.66	180.44
10 21 13 19-0233	EA		60" x 60", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	2,480.38 171.66	191.55
10 21 13 19-0234	EA		60" x 78", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	2,735.18 171.66	197.09
10 21 13 19-0235			<b>Ceiling Hung, Solid Color Reinforced Composite, Complete Toilet Partitions</b> (10 21 13 19-0222) <small>Note: Excludes above ceiling steel.</small>		
10 21 13 19-0236	EA		36" x 60", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition ..... <i>For &gt;10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	2,037.41 -162.10 171.66	208.20
10 21 13 19-0237	EA		60" x 60", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	2,443.85 171.66	219.31

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0238	EA		60" x 78", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition .....	2,698.62	224.86
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	171.66	
<b>10 21 13 19-0239</b>			<b>Solid Color Reinforced Composite Urinal Screens</b> <small>(10 21 13 19-0221)</small>		
			Note: Includes all standard Bobrick colors.		
<b>10 21 13 19-0240</b>			<b>Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screens</b> <small>(10 21 13 19-0239)</small>		
10 21 13 19-0241	EA		24" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	658.07	77.70
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	47.56	
10 21 13 19-0242	EA		36" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	743.25	83.24
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	47.56	
10 21 13 19-0243	EA		48" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	889.68	88.80
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	47.56	
<b>10 21 13 19-0244</b>			<b>Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screens</b> <small>(10 21 13 19-0239)</small>		
10 21 13 19-0245	EA		18" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	423.42	66.59
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	47.56	
10 21 13 19-0246	EA		24" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	489.61	72.15
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	47.56	
10 21 13 19-0247	EA		30" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	587.12	77.70
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	47.56	
<b>10 21 13 19-0248</b>			<b>Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screens</b> <small>(10 21 13 19-0239)</small>		
10 21 13 19-0249	EA		18" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	430.74	72.15
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	47.56	
10 21 13 19-0250	EA		24" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	537.30	77.70
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	47.56	
10 21 13 19-0251	EA		30" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	626.92	83.24
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	47.56	
<b>10 21 13 19-0252</b>			<b>Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screens</b> <small>(10 21 13 19-0239)</small>		
10 21 13 19-0253	EA		22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen .....	675.94	72.15
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	47.56	
10 21 13 19-0254	EA		36" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen .....	761.64	77.70
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	47.56	
10 21 13 19-0255	EA		48" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen .....	910.82	83.24
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	47.56	
<b>10 21 13 19-0256</b>			<b>Solid Color Reinforced Composite Toilet Partition Doors, Panels And Pilasters</b> <small>(10 21 13 19-0221)</small>		
			Note: Includes all standard Bobrick colors. See CSI section 10 21 13 43-0001 for other accessories.		
<b>10 21 13 19-0257</b>			<b>Solid Color Reinforced Composite, Toilet Partition Doors</b> <small>(10 21 13 19-0256)</small>		
10 21 13 19-0258	EA		24" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door .....	484.03	22.20
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	76.53	
10 21 13 19-0259	EA		26" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door .....	500.57	22.20
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	76.53	
10 21 13 19-0260	EA		30" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door .....	548.53	24.98
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	76.53	
10 21 13 19-0261	EA		34" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door .....	591.64	24.98
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	76.53	
10 21 13 19-0262	EA		36" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door .....	635.92	24.98
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	76.53	
<b>10 21 13 19-0263</b>			<b>Solid Color Reinforced Composite, Toilet Partition Panels</b> <small>(10 21 13 19-0256)</small>		
10 21 13 19-0264	EA		6" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel.....	158.24	33.31
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	47.56	
10 21 13 19-0265	EA		12" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel.....	209.57	36.09
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	47.56	
10 21 13 19-0266	EA		18" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel.....	283.80	38.87
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	47.56	
10 21 13 19-0267	EA		24" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel.....	358.80	41.64
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	47.56	
10 21 13 19-0268	EA		30" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel.....	399.78	44.42
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	47.56	
10 21 13 19-0269	EA		36" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel.....	442.76	47.20
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	47.56	
10 21 13 19-0270	EA		42" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel.....	515.82	49.97
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	47.56	
10 21 13 19-0271	EA		48" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel.....	591.02	52.75
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	47.56	

**10 Specialties**

**10 20 Interior Specialties**

**10 21 Compartments and Cubicles**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0272	EA		55" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	630.25 47.56	55.52
10 21 13 19-0273	EA		58" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	647.78 47.56	56.63
10 21 13 19-0274	EA		60" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	660.30 47.56	58.29
10 21 13 19-0275	EA		70" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	758.92 47.56	61.07
10 21 13 19-0276	EA		78" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	915.08 47.56	63.85
<b>10 21 13 19-0277 69" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters (10 21 13 19-0256)</b>					
10 21 13 19-0278	EA		Up To 4" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i>	231.08 24.72 47.56	16.66
10 21 13 19-0279	EA		5" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster..... <i>For 1" Pilaster, Add</i>	266.02 28.39 47.56	19.43
10 21 13 19-0280	EA		6" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i>	271.57 28.39 47.56	22.20
10 21 13 19-0281	EA		8" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster..... <i>For 1" Pilaster, Add</i>	314.47 33.06 47.56	24.98
10 21 13 19-0282	EA		10" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster..... <i>For 1" Pilaster, Add</i>	353.70 37.27 47.56	27.76
10 21 13 19-0283	EA		12" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster..... <i>For 1" Pilaster, Add</i>	392.92 41.48 47.56	30.53
10 21 13 19-0284	EA		16" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster..... <i>For 1" Pilaster, Add</i>	501.95 54.42 47.56	33.31
10 21 13 19-0285	EA		20" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster..... <i>For 1" Pilaster, Add</i>	615.88 67.96 47.56	36.09
10 21 13 19-0286	EA		24" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster..... <i>For 1" Pilaster, Add</i>	647.15 71.18 47.56	38.87
<b>10 21 13 19-0287 83" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters (10 21 13 19-0256)</b>					
10 21 13 19-0288	EA		Up To 4" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i>	253.12 27.48 47.56	16.66
10 21 13 19-0289	EA		5" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster..... <i>For 1" Pilaster, Add</i>	296.64 32.22 47.56	19.43
10 21 13 19-0290	EA		6" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster..... <i>For 1" Pilaster, Add</i>	302.19 32.22 47.56	22.20
10 21 13 19-0291	EA		8" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster..... <i>For 1" Pilaster, Add</i>	349.99 37.50 47.56	24.98
10 21 13 19-0292	EA		10" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster..... <i>For 1" Pilaster, Add</i>	395.33 42.48 47.56	27.76
10 21 13 19-0293	EA		12" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster..... <i>For 1" Pilaster, Add</i>	441.00 47.49 47.56	30.53
10 21 13 19-0294	EA		16" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster..... <i>For 1" Pilaster, Add</i>	573.58 63.37 47.56	33.31
10 21 13 19-0295	EA		20" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster..... <i>For 1" Pilaster, Add</i>	682.94 76.35 47.56	36.09
10 21 13 19-0296	EA		24" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster..... <i>For 1" Pilaster, Add</i>	718.49 80.10 47.56	38.87
<b>10 21 13 19-0297 96" To 120" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters (10 21 13 19-0256)</b>					
10 21 13 19-0298	EA		Up To 4" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i>	286.27 30.23 47.56	22.20
10 21 13 19-0299	EA		5" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster..... <i>For 1" Pilaster, Add</i>	338.35 36.05 47.56	24.98
10 21 13 19-0300	EA		6" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster..... <i>For 1" Pilaster, Add</i>	343.90 36.05 47.56	27.76
10 21 13 19-0301	EA		8" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster..... <i>For 1" Pilaster, Add</i>	396.60 41.94 47.56	30.53

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0302	EA		10" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster .....	448.07	33.31
			For 1" Pilaster, Add	47.68	
			For Heavy Gauge Full-Height SS Brackets, Add	47.56	
10 21 13 19-0303	EA		12" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster .....	500.16	36.09
			For 1" Pilaster, Add	53.50	
			For Heavy Gauge Full-Height SS Brackets, Add	47.56	
10 21 13 19-0304	EA		16" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster .....	656.33	38.87
			For 1" Pilaster, Add	72.33	
			For Heavy Gauge Full-Height SS Brackets, Add	47.56	
10 21 13 19-0305	EA		20" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster .....	761.07	41.64
			For 1" Pilaster, Add	84.72	
			For Heavy Gauge Full-Height SS Brackets, Add	47.56	
10 21 13 19-0306	EA		24" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster .....	800.92	44.42
			For 1" Pilaster, Add	89.01	
			For Heavy Gauge Full-Height SS Brackets, Add	47.56	
10 21 13 19-0307			<b>Solid Polyester (Corian) Toilet Partitions And Urinal Screens</b> <small>(10 21 13 19)</small> Note: Complete toilet partitions for corner installations. Includes 1/2" door (1" at edge), 1" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Produced or cast by combining unsaturated polyester resin with a combination of fillers, pigments and catalysts.		
10 21 13 19-0308			<b>Solid Polyester (Corian) Toilet Partitions</b> <small>(10 21 13 19-0307)</small> Note: Small particulate finish.		
10 21 13 19-0309			<b>Floor Anchored, Solid Polyester (Corian), Complete Toilet Partitions</b> <small>(10 21 13 19-0309)</small>		
10 21 13 19-0310	EA		36" x 60", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition.....	4,064.36	124.92
			For >10, Deduct	-381.45	
			For Solid Color Material (No Particulate), Deduct	-877.34	
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	171.66	
10 21 13 19-0311	EA		60" x 60", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	4,906.83	136.02
			For Solid Color Material (No Particulate), Deduct	-1,066.00	
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	171.66	
10 21 13 19-0312	EA		60" x 78", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	5,440.56	141.58
			For Solid Color Material (No Particulate), Deduct	-1,186.20	
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	171.66	
10 21 13 19-0313			<b>Overhead Braced, Solid Polyester (Corian), Complete Toilet Partitions</b> <small>(10 21 13 19-0308)</small>		
10 21 13 19-0314	EA		36" x 60", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition.....	4,223.78	152.68
			For >10, Deduct	-391.84	
			For Solid Color Material (No Particulate), Deduct	-901.24	
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	171.66	
10 21 13 19-0315	EA		60" x 60", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	5,545.43	163.78
			For Solid Color Material (No Particulate), Deduct	-1,200.11	
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	171.66	
10 21 13 19-0316	EA		60" x 78", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	6,137.69	169.34
			For Solid Color Material (No Particulate), Deduct	-1,333.77	
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	171.66	
10 21 13 19-0317			<b>Floor And Ceiling Anchored, Solid Polyester (Corian), Complete Toilet Partitions</b> <small>(10 21 13 19-0308)</small> Note: Excludes above ceiling steel.		
10 21 13 19-0318	EA		36" x 60", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition .....	4,732.52	180.44
			For >10, Deduct	-437.16	
			For Solid Color Material (No Particulate), Deduct	-1,005.48	
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	171.66	
10 21 13 19-0319	EA		60" x 60", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition .....	6,350.84	191.55
			For Solid Color Material (No Particulate), Deduct	-1,372.58	
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	171.66	
10 21 13 19-0320	EA		60" x 78", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition .....	6,942.64	197.09
			For Solid Color Material (No Particulate), Deduct	-1,506.14	
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	171.66	
10 21 13 19-0321			<b>Ceiling Hung, Solid Polyester (Corian), Complete Toilet Partitions</b> <small>(10 21 13 19-0308)</small> Note: Excludes above ceiling steel.		
10 21 13 19-0322	EA		36" x 60", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition.....	4,782.42	208.20
			For >10, Deduct	-436.60	
			For Solid Color Material (No Particulate), Deduct	-1,004.19	
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	171.66	
10 21 13 19-0323	EA		60" x 60", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition .....	6,104.56	219.31
			For Solid Color Material (No Particulate), Deduct	-1,303.17	
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	171.66	

## 10 Specialties

## 10 20 Interior Specialties

## 10 21 Compartments and Cubicles

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
10 21 13 19-0324	EA 60" x 78", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	6,696.34 -1,436.72 171.66	224.86
10 21 13 19-0325	Solid Polyester (Corian) Urinal Screens <small>(10 21 13 19-0307)</small>		
10 21 13 19-0326	Floor Anchored, Solid Polyester (Corian), Urinal Screens <small>(10 21 13 19-0325)</small>		
10 21 13 19-0327	EA 24" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,125.66 -223.16 47.56	77.70
10 21 13 19-0328	EA 36" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,485.19 -303.30 47.56	83.24
10 21 13 19-0329	EA 48" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,844.72 -383.44 47.56	88.80
10 21 13 19-0330	Wall Hung, Solid Polyester (Corian), Urinal Screens <small>(10 21 13 19-0325)</small>		
10 21 13 19-0331	EA 18" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	578.84 -102.50 47.56	66.59
10 21 13 19-0332	EA 24" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	738.47 -136.66 47.56	72.15
10 21 13 19-0333	EA 30" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	898.13 -170.83 47.56	77.70
10 21 13 19-0334	Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screens <small>(10 21 13 19-0325)</small>		
10 21 13 19-0335	EA 18" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	755.58 -140.60 47.56	72.15
10 21 13 19-0336	EA 24" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	940.90 -180.67 47.56	77.70
10 21 13 19-0337	EA 30" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,126.21 -220.74 47.56	83.24
10 21 13 19-0338	Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screens <small>(10 21 13 19-0325)</small>		
10 21 13 19-0339	EA 22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen ..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,152.53 -231.90 47.56	72.15
10 21 13 19-0340	EA 34" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen ..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,512.06 -312.03 47.56	77.70
10 21 13 19-0341	EA 46" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen ..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,871.59 -392.17 47.56	83.24
10 21 13 19-0342	Solid Polyester (Corian) Toilet Partition Doors, Panels And Pilasters <small>(10 21 13 19-0307)</small>		
10 21 13 19-0343	Solid Polyester (Corian), Toilet Partition Doors <small>(10 21 13 19-0342)</small>		
10 21 13 19-0344	EA 24" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door ..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	886.44 -193.66 76.53	22.20
10 21 13 19-0345	EA 26" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door ..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	946.62 -207.51 76.53	22.20
10 21 13 19-0346	EA 30" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door ..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	1,079.45 -236.78 76.53	24.98
10 21 13 19-0347	EA 34" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door ..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	1,203.63 -265.34 76.53	24.98
10 21 13 19-0348	EA 36" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door ..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	1,257.67 -277.77 76.53	24.98
10 21 13 19-0349	Solid Polyester (Corian), Toilet Partition Panels <small>(10 21 13 19-0342)</small>		
10 21 13 19-0350	EA 6" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	240.82 -40.07 47.56	33.31
10 21 13 19-0351	EA 12" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	420.61 -80.14 47.56	36.09
10 21 13 19-0352	EA 18" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	600.36 -120.20 47.56	38.87

<b>Specialties</b>	<b>10</b>
<b>Interior Specialties</b>	<b>10 20</b>
<b>Comppartments and Cubicles</b>	<b>10 21</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0353 EA 24" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add</i>	780.14 -160.28 47.56	41.64
10 21 13 19-0354 EA 30" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add</i>	959.90 -200.34 47.56	44.42
10 21 13 19-0355 EA 36" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add</i>	1,139.64 -240.41 47.56	47.20
10 21 13 19-0356 EA 42" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add</i>	1,319.43 -280.48 47.56	49.97
10 21 13 19-0357 EA 48" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add</i>	1,499.18 -320.55 47.56	52.75
10 21 13 19-0358 EA 55" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add</i>	1,707.97 -367.29 47.56	55.52
10 21 13 19-0359 EA 58" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add</i>	1,797.32 -387.33 47.56	56.63
10 21 13 19-0360 EA 60" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add</i>	1,858.72 -400.69 47.56	58.29
10 21 13 19-0361 EA 70" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add</i>	2,154.61 -467.47 47.56	61.07
10 21 13 19-0362 EA 78" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add</i>	2,392.44 -520.89 47.56	63.85
<b>10 21 13 19-0363 72" Long, Solid Polyester (Corian), Toilet Partition Pilasters <small>(10 21 13 19-0342)</small></b>		
10 21 13 19-0364 EA Up To 4" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add</i>	306.72 -62.88 47.56	16.66
10 21 13 19-0365 EA 5" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add</i>	380.64 -78.61 47.56	19.43
10 21 13 19-0366 EA 6" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add</i>	454.54 -94.33 47.56	22.20
10 21 13 19-0367 EA 8" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add</i>	596.82 -125.78 47.56	24.98
10 21 13 19-0368 EA 10" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add</i>	739.08 -157.22 47.56	27.76
10 21 13 19-0369 EA 12" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add</i>	881.33 -188.66 47.56	30.53
10 21 13 19-0370 EA 18" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add</i>	1,297.00 -282.99 47.56	33.31
10 21 13 19-0371 EA 22" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add</i>	1,576.00 -345.88 47.56	36.09
10 21 13 19-0372 EA 24" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add</i>	1,718.26 -377.32 47.56	38.87
<b>10 21 13 19-0373 82" Long, Solid Polyester (Corian), Toilet Partition Pilasters <small>(10 21 13 19-0342)</small></b>		
10 21 13 19-0374 EA Up To 4" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add</i>	344.70 -71.62 47.56	16.66
10 21 13 19-0375 EA 5" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add</i>	428.12 -89.53 47.56	19.43
10 21 13 19-0376 EA 6" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add</i>	502.61 -105.38 47.56	22.20
10 21 13 19-0377 EA 8" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add</i>	684.63 -145.97 47.56	24.98
10 21 13 19-0378 EA 10" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add</i>	834.01 -179.05 47.56	27.76
10 21 13 19-0379 EA 12" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add</i>	995.25 -214.86 47.56	30.53
10 21 13 19-0380 EA 18" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add</i>	1,467.90 -322.29 47.56	33.31
10 21 13 19-0381 EA 22" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add</i>	1,784.87 -393.92 47.56	36.09

**10 Specialties**  
**10 20 Interior Specialties**  
**10 21 Compartments and Cubicles**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST

10 21 13 19-0382	EA 24" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,946.11	38.87
	<i>For Solid Color Material (No Particulate), Deduct</i>	-429.73	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	47.56	

**10 21 13 19-0383 96" To 120" Long, Solid Polyester (Corian), Toilet Partition Pilasters** (10 21 13 19-03 42)

10 21 13 19-0384	EA Up To 4" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	454.54	22.20
	<i>For Solid Color Material (No Particulate), Deduct</i>	-94.33	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	47.56	
10 21 13 19-0385	EA 5" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	562.63	24.98
	<i>For Solid Color Material (No Particulate), Deduct</i>	-117.91	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	47.56	
10 21 13 19-0386	EA 6" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	670.72	27.76
	<i>For Solid Color Material (No Particulate), Deduct</i>	-141.50	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	47.56	
10 21 13 19-0387	EA 8" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	881.33	30.53
	<i>For Solid Color Material (No Particulate), Deduct</i>	-188.66	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	47.56	
10 21 13 19-0388	EA 10" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,091.94	33.31
	<i>For Solid Color Material (No Particulate), Deduct</i>	-235.82	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	47.56	
10 21 13 19-0389	EA 12" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,302.56	36.09
	<i>For Solid Color Material (No Particulate), Deduct</i>	-282.99	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	47.56	
10 21 13 19-0390	EA 18" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,923.32	38.87
	<i>For Solid Color Material (No Particulate), Deduct</i>	-424.49	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	47.56	
10 21 13 19-0391	EA 22" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	2,339.01	41.64
	<i>For Solid Color Material (No Particulate), Deduct</i>	-518.82	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	47.56	
10 21 13 19-0392	EA 24" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	2,549.63	44.42
	<i>For Solid Color Material (No Particulate), Deduct</i>	-565.98	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	47.56	

**10 21 13 43 Compartments and Cubicles Common Accessories** (10 21 13)

**10 21 13 43-0001 Accessories** (10 21 13 43)

10 21 13 43-0002	LF Extruded Aluminum Headrails For Toilet Partitions And Urinal Screens	11.80	2.23
10 21 13 43-0003	LF Stainless Steel Headrails For Toilet Partitions And Urinal Screens	20.47	2.23
10 21 13 43-0004	EA Replacement Of 1-1/2" x 58" Stainless Steel Wall Posts	79.74	
10 21 13 43-0005	EA Replacement Of 58" Aluminum Wall U Bracket	62.06	
10 21 13 43-0006	EA Replacement Of 58" Aluminum Wall Two Ear Bracket	103.03	
10 21 13 43-0007	EA Replacement Of 54" Stainless Steel Wall U Bracket	62.38	
10 21 13 43-0008	EA Replacement Of 54" Stainless Steel Wall Two Ear Bracket	143.29	
10 21 13 43-0009	EA Replacement Of 54" Plastic Wall Two Ear Bracket, All Colors	160.11	
10 21 13 43-0010	EA Replacement Of 57-1/2" Stainless Steel Hinge	107.92	

**10 21 16 Shower and Dressing Compartments** (10 21)

**10 21 16 17 Phenolic-Core Shower and Dressing Compartments** (10 21 16)

**10 21 16 17-0001 Shower Dividers** (10 21 16 17)

**10 21 16 17-0002 Solid Phenolic Core Laminated Plastic, Shower Dividers** (10 21 16 17-0001)

Note: Cut to height in field. panels 58" high. Posts 1-1/4" square, 304 stainless steel satin finish. 1/2" thick panels.

10 21 16 17-0003	EA 18" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	764.97	138.80
	<i>For 66" High Panels, Add</i>	73.11	
10 21 16 17-0004	EA 24" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	949.65	149.91
	<i>For 66" High Panels, Add</i>	97.47	
10 21 16 17-0005	EA 36" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	1,215.05	166.56
	<i>For 66" High Panels, Add</i>	132.29	
10 21 16 17-0006	EA 48" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	1,433.01	194.33
	<i>For 66" High Panels, Add</i>	156.66	
10 21 16 17-0007	EA 57" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	1,651.00	222.08
	<i>For 66" High Panels, Add</i>	181.02	

**10 21 16 17-0008 Solid Phenolic Core Laminated Plastic, Shower Dividers With Headrail And Curtain Track** (10 21 16 17-0001)

Note: Cut to height in field. Panels 58" high. Posts 1-1/4" square, 304 stainless steel satin finish. 1/2" thick panels. Includes 3/4" stiles, 85" from floor to top of headrail. Headrail 4" wide. All stainless steel shoes and stainless steel fittings. Leveling devices are chromate treated double zinc plated steel. Overhead braced designed with concealed curtain tracks and hooks in headrail.

10 21 16 17-0009	EA 18" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	1,803.00	243.96
	<i>For 66" High Panels, Add</i>	246.06	
	<i>For 6" Wide Head Rail, Add</i>	44.33	
	<i>For 8" Wide Head Rail, Add</i>	62.36	
	<i>For 10" Wide Head Rail, Add</i>	75.51	
	<i>For 12" Wide Head Rail, Add</i>	91.10	
	<i>For 18" Wide, 1/2" Thick Bench, Add</i>	133.79	
	<i>For 24" Wide, 1/2" Thick Bench, Add</i>	173.79	



	<b>Specialties</b>	<b>10</b>
	<b>Interior Specialties</b>	<b>10 20</b>
	<b>Compartments and Cubicles</b>	<b>10 21</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 21 16 17-0010	EA		24" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track ..... <i>For 66" High Panels, Add</i> <i>For 6" Wide Head Rail, Add</i> <i>For 8" Wide Head Rail, Add</i> <i>For 10" Wide Head Rail, Add</i> <i>For 12" Wide Head Rail, Add</i> <i>For 18" Wide, 1/2" Thick Bench, Add</i> <i>For 24" Wide, 1/2" Thick Bench, Add</i>	2,208.96 304.70 55.61 77.70 94.46 113.89 138.28 178.28	266.38
10 21 16 17-0011	EA		36" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track ..... <i>For 66" High Panels, Add</i> <i>For 6" Wide Head Rail, Add</i> <i>For 8" Wide Head Rail, Add</i> <i>For 10" Wide Head Rail, Add</i> <i>For 12" Wide Head Rail, Add</i> <i>For 18" Wide, 1/2" Thick Bench, Add</i> <i>For 24" Wide, 1/2" Thick Bench, Add</i>	2,758.40 385.43 71.42 99.01 120.92 145.68 141.65 181.65	283.26
10 21 16 17-0012	EA		48" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track ..... <i>For 66" High Panels, Add</i> <i>For 6" Wide Head Rail, Add</i> <i>For 8" Wide Head Rail, Add</i> <i>For 10" Wide Head Rail, Add</i> <i>For 12" Wide Head Rail, Add</i> <i>For 18" Wide, 1/2" Thick Bench, Add</i> <i>For 24" Wide, 1/2" Thick Bench, Add</i>	2,954.62 411.50 75.96 105.51 128.72 155.09 148.38 188.38	316.91
10 21 16 17-0013	EA		57" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track ..... <i>For 66" High Panels, Add</i> <i>For 6" Wide Head Rail, Add</i> <i>For 8" Wide Head Rail, Add</i> <i>For 10" Wide Head Rail, Add</i> <i>For 12" Wide Head Rail, Add</i> <i>For 18" Wide, 1/2" Thick Bench, Add</i> <i>For 24" Wide, 1/2" Thick Bench, Add</i>	3,370.65 471.16 87.34 121.05 147.87 178.13 153.88 193.88	344.44

**10 21 23 Cubicle Curtains and Track** (10 21)

**10 21 23 13 Cubicle Curtains** (10 21 23)

**10 21 23 13-0001 Hospital Curtains With Nylon Mesh Tops** (10 21 23 13)

10 21 23 13-0002	LF		84" High, Fire Resistant Polyester, Hospital Cubicle Curtain.....	13.92	0.95
10 21 23 13-0003	LF		90" High, Fire Resistant Polyester, Hospital Cubicle Curtain.....	14.72	0.95
10 21 23 13-0004	LF		96" High, Fire Resistant Polyester, Hospital Cubicle Curtain.....	15.73	0.95
10 21 23 13-0005	LF		102" High, Fire Resistant Polyester, Hospital Cubicle Curtain.....	16.54	0.95
10 21 23 13-0006	LF		108" High, Fire Resistant Polyester, Hospital Cubicle Curtain.....	17.36	0.95
10 21 23 13-0007	LF		120" High, Fire Resistant Polyester, Hospital Cubicle Curtain.....	18.91	0.95

**10 21 23 16 Cubicle Track and Hardware** (10 21 23)

**10 21 23 16-0001 Hospital Bendable Curtain Track** (10 21 23 16)

10 21 23 16-0002	EA		105', Bendable Curtain Track (InPro 115237).....	1,099.21	75.86
10 21 23 16-0003	EA		16', Bendable Curtain Track (InPro 115236).....	216.18	43.32
10 21 23 16-0004	EA		8', Bendable Curtain Track (InPro 115235).....	124.00	28.88

**10 21 23 16-0005 Hospital Cubicle Curtain Channel Track** (10 21 23 16)

Note: Track is extruded aluminum. Includes curved sections, carrier rollers and all fittings. (Medline)

10 21 23 16-0006	LF		Flush Mounted, Aluminum, Hospital Cubicle Curtain Channel Track.....	19.78	5.05
10 21 23 16-0007	LF		Suspended, Aluminum, Hospital Cubicle Curtain Channel Track.....	30.84	5.55

**10 21 23 16-0008 Hospital IV Tracks** (10 21 23 16)

10 21 23 16-0009	LF		Oval Hospital Partition IV Track.....	33.92	3.17
10 21 23 16-0010	EA		Hospital Partition IV Trolley.....	189.81	13.21
10 21 23 16-0011	EA		5 Hook Tree, Hospital Partition IV Pendant.....	820.66	13.21

**10 22 Partitions** (10 20)

**10 22 13 Wire Mesh Partitions** (10 22)

**10 22 13 00-0001 Wall Panels** (10 22 13)

Note: Includes steel frame and posts. Posts bolted to floor.

10 22 13 00-0002	SF		Wire Mesh Wall Panel, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts ..... <i>For 5' Wide Panels, Add</i>	15.10 0.62	1.39
10 22 13 00-0003	SF		Wire Mesh Wall Panel, 8 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts ..... <i>For 5' Wide Panels, Add</i>	16.70 0.67	1.66
10 22 13 00-0004	SF		Wire Mesh Wall Panel, 6 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts ..... <i>For 5' Wide Panels, Add</i>	18.77 0.74	1.94

**10 22 13 00-0005 Ceiling Panels** (10 22 13)

Note: Includes steel frame.

10 22 13 00-0006	SF		Wire Mesh Ceiling Panel, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts .....	15.59	1.66
10 22 13 00-0007	SF		Wire Mesh Ceiling Panel, 8 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts .....	17.20	1.94
10 22 13 00-0008	SF		Wire Mesh Ceiling Panel, 6 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts .....	19.04	2.23

**10** **10 Specialties**  
**10 20 Interior Specialties**  
**10 22 Partitions**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**10 22 13 00-0009 Sliding Doors** (10 22 13)  
 Note: Includes padlocks lugs and/or provisions for cylinder lock.

10 22 13 00-0010	EA		4' x 8' Sliding Door, 10 Gauge With Cylinder Lock.....	1,392.41	291.48
			For 8 Gauge, Add	150.56	
			For 6 Gauge, Add	301.13	
10 22 13 00-0011	EA		4' x 10' Sliding Door, 10 Gauge With Cylinder Lock.....	1,464.45	322.02
			For 8 Gauge, Add	155.26	
			For 6 Gauge, Add	310.53	
10 22 13 00-0012	EA		5' x 8' Sliding Door, 10 Gauge With Cylinder Lock.....	1,604.64	333.13
			For 8 Gauge, Add	174.07	
			For 6 Gauge, Add	348.14	
10 22 13 00-0013	EA		5' x 10' Sliding Door, 10 Gauge With Cylinder Lock.....	1,750.72	360.88
			For 8 Gauge, Add	190.43	
			For 6 Gauge, Add	380.86	
10 22 13 00-0014	EA		6' x 8' Sliding Door, 10 Gauge With Cylinder Lock.....	1,808.84	383.09
			For 8 Gauge, Add	194.71	
			For 6 Gauge, Add	389.42	
10 22 13 00-0015	EA		6' x 10' Sliding Door, 10 Gauge With Cylinder Lock.....	1,993.20	405.30
			For 8 Gauge, Add	217.92	
			For 6 Gauge, Add	435.84	
10 22 13 00-0016	EA		8' x 8' Sliding Door, 10 Gauge With Cylinder Lock.....	2,142.08	435.84
			For 8 Gauge, Add	234.14	
			For 6 Gauge, Add	468.29	
10 22 13 00-0017	EA		8' x 10' Sliding Door, 10 Gauge With Cylinder Lock.....	2,334.59	455.27
			For 8 Gauge, Add	259.14	
			For 6 Gauge, Add	518.27	
10 22 13 00-0018	EA		10' x 8' Sliding Door, 10 Gauge With Cylinder Lock.....	2,354.07	466.37
			For 8 Gauge, Add	259.84	
			For 6 Gauge, Add	519.67	
10 22 13 00-0019	EA		10' x 10' Sliding Door, 10 Gauge With Cylinder Lock.....	2,601.65	494.13
			For 8 Gauge, Add	291.42	
			For 6 Gauge, Add	582.84	

**10 22 13 00-0020 Swing Doors** (10 22 13)

**10 22 13 00-0021 Single Swing Door** (10 22 13 00-0020)

10 22 13 00-0022	EA		3' x 7' Swing Door, 10 Gauge With Cylinder Lock.....	954.57	172.11
			For 8 Gauge, Add	106.17	
			For 6 Gauge, Add	212.35	
10 22 13 00-0023	EA		3' x 8' Swing Door, 10 Gauge With Cylinder Lock.....	1,027.96	194.33
			For 8 Gauge, Add	115.33	
			For 6 Gauge, Add	230.66	
10 22 13 00-0024	EA		3' x 9' Swing Door, 10 Gauge With Cylinder Lock.....	1,102.30	205.42
			For 8 Gauge, Add	124.26	
			For 6 Gauge, Add	248.52	
10 22 13 00-0025	EA		4' x 7' Swing Door, 10 Gauge With Cylinder Lock.....	1,083.49	222.08
			For 8 Gauge, Add	118.11	
			For 6 Gauge, Add	236.21	
10 22 13 00-0026	EA		4' x 8' Swing Door, 10 Gauge With Cylinder Lock.....	1,160.57	233.18
			For 8 Gauge, Add	127.45	
			For 6 Gauge, Add	254.90	
10 22 13 00-0027	EA		4' x 9' Swing Door, 10 Gauge With Cylinder Lock.....	1,212.54	244.29
			For 8 Gauge, Add	133.02	
			For 6 Gauge, Add	266.05	
10 22 13 00-0028	EA		4' x 7' Dutch Door, 10 Gauge With Cylinder Lock.....	1,440.35	222.08
			For 8 Gauge, Add	171.64	
			For 6 Gauge, Add	343.27	
10 22 13 00-0029	EA		4' x 8' Dutch Door, 10 Gauge With Cylinder Lock.....	1,528.61	233.18
			For 8 Gauge, Add	182.65	
			For 6 Gauge, Add	365.31	

**10 22 13 00-0030 Double Swing Doors** (10 22 13 00-0020)

10 22 13 00-0031	EA		6' x 7' Double Swing Door, 10 Gauge With Cylinder Lock.....	1,512.81	277.60
			For 8 Gauge, Add	171.40	
			For 6 Gauge, Add	342.80	
10 22 13 00-0032	EA		6' x 8' Double Swing Door, 10 Gauge With Cylinder Lock.....	1,546.12	294.26
			For 8 Gauge, Add	173.07	
			For 6 Gauge, Add	346.13	
10 22 13 00-0033	EA		6' x 9' Double Swing Door, 10 Gauge With Cylinder Lock.....	2,144.67	310.91
			For 8 Gauge, Add	259.52	
			For 6 Gauge, Add	519.04	
10 22 13 00-0034	EA		8 x 7' Double Swing Door, 10 Gauge With Cylinder Lock.....	1,623.85	333.13
			For 8 Gauge, Add	176.95	
			For 6 Gauge, Add	353.91	
10 22 13 00-0035	EA		8 x 8' Double Swing Door, 10 Gauge With Cylinder Lock.....	1,657.17	349.78
			For 8 Gauge, Add	178.62	
			For 6 Gauge, Add	357.24	
10 22 13 00-0036	EA		8 x 9' Double Swing Door, 10 Gauge With Cylinder Lock.....	2,255.71	366.44
			For 8 Gauge, Add	265.07	
			For 6 Gauge, Add	530.14	

**10 22 19 Demountable Partitions** (10 22)  
**10 22 19 13 Demountable Metal Partitions** (10 22 19)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 19 13-0001	LF	9'	High Demountable Partition, 1.75 System, Aluminum Framed, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5" Thick ..... <i>For &gt;9, Add 18.03</i>	144.20	17.66
10 22 19 13-0002	LF	7'	High Demountable Partition, 1.75 System, Aluminum Framed, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5" Thick ..... <i>For &gt;9, Add 15.78</i>	126.26	14.06
10 22 19 13-0003	LF	5'	High Demountable Partition, 1.75 System, Aluminum Framed, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5" Thick ..... <i>For &gt;9, Add 13.54</i>	108.32	10.57
10 22 19 13-0004	LF	9'	High Demountable Partition, Moveable Steel Wall, Mod System, Unitized Panel, 48" Wide, Backed Enamel..... <i>For &gt;9, Add 19.26</i>	154.04	14.06
10 22 19 13-0005	LF	9'	High Demountable Partition, Moveable Steel Wall, Mod System, Unitized Panels, 48" Wide, Fabric..... <i>For &gt;9, Add 27.88</i>	223.03	15.12
<b>10 22 19 43 Demountable Composite Partitions (10 22 19)</b>					
10 22 19 43-0001	LF		Demountable Partition, Mineral Fiber System, Unitized Panel, 9' High, 2-1/4" Thick, Aluminum Frame, Vinyl Clad ..... <i>For &gt;9, Add 27.55</i>	220.38	17.66
10 22 19 43-0002	LF		Demountable Partition, Mineral Fiber System, Unitized Panel, 9' High, 2-1/4" Thick, Aluminum Frame, Fabric Clad ..... <i>For &gt;9, Add 34.42</i>	275.34	19.24
10 22 19 43-0003	SF		Partition, Trackless Wall, Cork Finish, Semi-Acoustic, 1-5/8" Thick..... <i>For Acoustical Partitions, Add 4.08</i>	46.02	2.64
10 22 19 43-0004	SF		Partition, Trackless Wall, Cork Finish, Semi-Acoustic, 1-5/8" Thick..... <i>For Acoustical Partitions, Add 4.90</i>	57.88	4.44
10 22 19 43-0005	SF		Partition, Trackless Wall, Cork Finish, Acoustic, 2" Thick..... <i>For Acoustical Partitions, Add 4.36</i>	49.09	2.75
10 22 19 43-0006	SF		Partition, Trackless Wall, Cork Finish, Acoustic, 2" Thick..... <i>For Acoustical Partitions, Add 6.26</i>	70.16	3.81
<b>10 22 19 53 Demountable Gypsum Partitions (10 22 19)</b>					
<b>10 22 19 53-0001 Demountable Gypsum Partitions (10 22 19 53)</b>					
10 22 19 53-0002	LF	9'	High Demountable Partition Gypsum System, 2" To 2.5" Steel Standard, 3" To 3-3/4" Thick, Vinyl Clad ..... <i>For &gt;9, Add 11.67</i>	93.37	17.66
10 22 19 53-0003	LF	9'	High Demountable Partition Gypsum System, 2" To 2.5" Steel Standard, 3" To 3-3/4" Thick, Fabric Clad ..... <i>For &gt;9, Add 19.53</i>	156.20	19.24
10 22 19 53-0004	LF	9'	High Demountable Partition Gypsum System, 2" To 2.5", Steel Standard, 3" To 3-3/4" Thick, Steel Clad..... <i>For &gt;9, Add 21.02</i>	168.17	21.15
10 22 19 53-0005	LF	9'	High Demountable Partition Gypsum System, Unitized Panel, 2" To 2-1/2" Thick, Vinyl Clad..... <i>For &gt;9, Add 22.44</i>	179.53	17.66
10 22 19 53-0006	LF	9'	High Demountable Partition Gypsum System, Unitized Panel, 2" To 2-1/2" Thick, Fabric Clad ..... <i>For &gt;9, Add 37.14</i>	297.11	19.24
<b>10 22 23 Portable Partitions, Screens, and Panels (10 22)</b>					
Note: Includes standard units, standard height glass and glazing. For 25 percent and 50 percent glass 1/4" plate glass is used. For 100 percent glass 1/4" tempered plate is used.					
<b>10 22 23 23 Movable Panel Systems (10 22 23)</b>					
<b>10 22 23 23-0001 Portable Partitions (10 22 23 23)</b>					
10 22 23 23-0002	LF		Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 4' High ..... <i>For &gt;9, Add 275.60</i>	275.60	8.46
10 22 23 23-0003	LF		Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 5' High ..... <i>For &gt;9, Add 293.82</i>	293.82	9.41
10 22 23 23-0004	LF		Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 6' High ..... <i>For &gt;9, Add 349.32</i>	349.32	11.32
10 22 23 23-0005	LF		Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 4' High ..... <i>For &gt;9, Add 203.00</i>	203.00	4.87
10 22 23 23-0006	LF		Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 5' High ..... <i>For &gt;9, Add 215.50</i>	215.50	5.60
10 22 23 23-0007	LF		Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 6' High ..... <i>For &gt;9, Add 242.27</i>	242.27	6.76
10 22 23 23-0008	LF		Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 6'-0" Long, 5' High ..... <i>For &gt;9, Add 206.50</i>	206.50	5.18
10 22 23 23-0009	LF		Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Curved, 3'-0" Long, 5' High ..... <i>For &gt;9, Add 367.34</i>	367.34	9.41
10 22 23 23-0010	LF		Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Curved, 3'-0" Long, 6' High..... <i>For &gt;9, Add 403.78</i>	403.78	11.32
10 22 23 23-0011	LF		Partitions, Portable, Economical Panels, Fabric Face, 4'-0" Long, 5' High ..... <i>For &gt;9, Add 214.32</i>	214.32	6.45
10 22 23 23-0012	LF		Partitions, Portable, Economical Panels, Fabric Face, 4'-0" Long, 6' High..... <i>For &gt;9, Add 243.84</i>	243.84	7.51
10 22 23 23-0013	LF		Partitions, Portable, Economical Panels, Fabric Face, 5'-0" Long, 5' High ..... <i>For &gt;9, Add 196.44</i>	196.44	5.60
10 22 23 23-0014	LF		Partitions, Portable, Economical Panels, Fabric Face, 5'-0" Long, 6' High..... <i>For &gt;9, Add 220.49</i>	220.49	6.76
10 22 23 23-0015	LF		Partitions, Portable, Economical Panels, Fabric Face, 3'-0" Curved, 5' High..... <i>For &gt;9, Add 326.50</i>	326.50	9.41
10 22 23 23-0016	LF		Partitions, Portable, Economical Panels, Fabric Face, 3'-0" Curved, 6' High..... <i>For &gt;9, Add 368.38</i>	368.38	11.32
10 22 23 23-0017	LF		Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 3'-0" Long, 5' High ..... <i>For &gt;9, Add 331.94</i>	331.94	9.41
10 22 23 23-0018	LF		Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 3'-0" Long, 6' High ..... <i>For &gt;9, Add 403.78</i>	403.78	11.32
10 22 23 23-0019	LF		Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 5'-0" Long, 5' High ..... <i>For &gt;9, Add 256.35</i>	256.35	5.60
10 22 23 23-0020	LF		Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 5'-0" Long, 6' High ..... <i>For &gt;9, Add 288.56</i>	288.56	6.76
10 22 23 23-0021	LF		Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 6'-0" Long, 5' High ..... <i>For &gt;9, Add 270.49</i>	270.49	5.18
10 22 23 23-0022	LF		Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 6'-0" Long, 6' High ..... <i>For &gt;9, Add 322.68</i>	322.68	6.13
10 22 23 23-0023	LF		Partitions, Portable, Economical Acoustic Panels, 40 NRC, 4'-0" Long, 5' High..... <i>For &gt;9, Add 157.14</i>	157.14	6.45
10 22 23 23-0024	LF		Partitions, Portable, Economical Acoustic Panels, 40 NRC, 4'-0" Long, 6' High..... <i>For &gt;9, Add 185.30</i>	185.30	7.51
10 22 23 23-0025	LF		Partitions, Portable, Economical Acoustic Panels, 40 NRC, 5'-0" Long, 6' High..... <i>For &gt;9, Add 167.39</i>	167.39	6.76
10 22 23 23-0026	LF		Partitions, Portable, Economical Acoustic Panels, 40 NRC, 6'-0" Long, 5' High..... <i>For &gt;9, Add 122.08</i>	122.08	5.18
10 22 23 23-0027	LF		Partitions, Portable, Metal Chalkboard, 6'-6" High, 1 Side..... <i>For &gt;9, Add 198.70</i>	198.70	6.76
10 22 23 23-0028	LF		Partitions, Portable, Metal Chalkboard, 2 Sides..... <i>For &gt;9, Add 226.49</i>	226.49	7.09
10 22 23 23-0029	LF		Partitions, Portable, Tackboard, Both Sides ..... <i>For &gt;9, Add 182.59</i>	182.59	6.87
<b>10 22 23 23-0030 Adjustable Barrier Panel System (Edge Guard) (10 22 23 23)</b>					
Note: Panels are opal or transparent. Includes self leveling floor channel, 1/4" foam gasket to conform to ceiling, edge gaskets, grid clips, and cam locks.					
10 22 23 23-0031	EA		4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4000)..... <i>For &gt;9, Add 842.15</i>	842.15	
10 22 23 23-0032	EA		3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4001)..... <i>For &gt;9, Add 799.61</i>	799.61	

## 10 Specialties

## 10 20 Interior Specialties

## 10 22 Partitions

 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

10 22 23 23-0033	EA	2' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4002).....	629.47
10 22 23 23-0034	EA	2' Wide x 7'-8" To 10' High With High Efficiency Particulate Air (HEPA) Filtered Air Discharge Port, Fire Rated Containment Panel Assembly (Edge Guard 4002.1).....	728.72
10 22 23 23-0035	EA	3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 32" Door (Edge Guard 4010)..... Note: Includes a hydraulic closer and a lever style lockset standard.	1,288.79
10 22 23 23-0036	EA	4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 44" Door (Edge Guard 4003).....	1,430.58
10 22 23 23-0037	EA	4'-4" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 48" Door (Edge Guard 4008)..... Note: Includes a hydraulic closer and a lever style lockset standard.	1,714.16
10 22 23 23-0038	EA	7'-8" To 10' High, Hinged Corner Assembly (Edge Guard 4004).....	284.51
10 22 23 23-0039	EA	6" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4005).....	385.62
10 22 23 23-0040	EA	12" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4006).....	413.98
10 22 23 23-0041	EA	7'-8" To 10' High, Outside Corner Post (Edge Guard 4007).....	234.88
10 22 23 23-0042	EA	7'-8" To 10' High, "T" Post Corner Assembly (Edge Guard 4009).....	234.88
10 22 23 23-0043	EA	Closure Strips (Edge Guard 3003)..... Note: To seal panels to existing walls	16.22
10 22 23 23-0044	EA	Digital Differential Pressure Gauge Kit (Edge Guard 3005).....	395.47

10 22 23 23-0045	Adjustable Barrier Panel System (Starc Systems, Inc.) <small>(10 22 23 23)</small>		
10 22 23 23-0046	EA	Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", 12" Wide (Starc S3-WM-12)..... Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.	654.15
10 22 23 23-0047	EA	Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", 18" Wide (Starc S3-WM-18)..... Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.	738.38
10 22 23 23-0048	EA	Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", 24" Wide (Starc S3-WM-24)..... Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.	812.71
10 22 23 23-0049	EA	Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", 32" Wide (Starc S3-WM-32)..... Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.	862.28
10 22 23 23-0050	EA	Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", 42" Wide (Starc S3-WM-42)..... Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.	986.17
10 22 23 23-0051	EA	Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", Negative Air Management Panel, Expandable From 6'-10" To 10'-3", 18" Wide (Starc S3-AIR-24)..... Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.	1,060.52
10 22 23 23-0052	EA	Containment Wall/Dust Barrier, 42" Hinged Door (Starc S3-HD-42)..... Note: Includes setting, leveling and plumbing of containment wall/dust barrier door. Handleset it not included.	1,556.11
10 22 23 23-0053	EA	Containment Wall/Dust Barrier, 42" Hinged Door With Handleset And Closer (Starc S3-HD-42H)..... Note: Includes setting, leveling and plumbing of containment wall/dust barrier door. Handleset included.	2,101.26
10 22 23 23-0054	EA	Containment Wall/Dust Barrier, 54" Hinged Door With Handleset And Closer (Starc S3-HD-54H)..... Note: Includes setting, leveling and plumbing of containment wall/dust barrier door. Handleset included.	2,299.49
10 22 23 23-0055	EA	Containment Wall/Dust Barrier, 42" Sliding Door With ICU Latch (Starc S3-SD-42)..... Note: Includes setting, leveling and plumbing of containment wall/dust barrier door. Handleset included.	2,398.61
10 22 23 23-0056	EA	Containment Wall/Dust Barrier, 54" Sliding Door With ICU Latch (Starc S3-SD-54)..... Note: Includes setting, leveling and plumbing of containment wall/dust barrier door. Handleset included.	2,547.30
10 22 23 23-0057	EA	Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", Right Wall Interface (Starc S1-RWI)..... Note: Includes setting, leveling and plumbing of containment wall/dust barrier wall interface.	381.55
10 22 23 23-0058	EA	Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", Left Wall Interface (Starc S1-LWI)..... Note: Includes setting, leveling and plumbing of containment wall/dust barrier wall interface.	381.55
10 22 23 23-0059	EA	Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", Filler Panel Kit (Starc S1-FP)..... Note: Includes setting, leveling and plumbing of containment wall/dust barrier filler panel attachment rail. Actual filler material is not included.	193.23
10 22 23 23-0060	EA	Containment Wall/Dust Barrier, Wall Mounted Differential Pressure Monitor (Starc S1-RPM-RT1)..... Note: Includes installation of wall mounted differential pressure monitor for containment wall.	1,144.74
10 22 23 23-0061	EA	Containment Wall/Dust Barrier, Accessories, Ceiling Grid Clip, 9/16" To 15/16" (Starc S1-FGC)..... Note: Includes attaching ceiling grid clip to containment barrier panel and ceiling grid	12.81
10 22 23 23-0062	EA	Containment Wall/Dust Barrier, Accessories, Ceiling Grid Clip, Ultraline Grid (Starc S1-FGC-U)..... Note: Includes attaching ceiling grid clip to containment barrier panel and ceiling grid	12.32
10 22 23 23-0063	EA	Containment Wall/Dust Barrier, Accessories, Flexible Corner, 15 To 90 Degrees (Starc S1-FC)..... Note: Includes setting, leveling and plumbing of containment wall/dust barrier flexible corner.	317.13
10 22 23 23-0064	EA	Containment Wall/Dust Barrier, Accessories, Right Hand T-Intersection (Starc S1-OT-R)..... Note: Includes setting, leveling and plumbing of containment wall/dust barrier T intersection.	465.81
10 22 23 23-0065	EA	Containment Wall/Dust Barrier, Accessories, Left Hand T-Intersection (Starc S1-OT-L)..... Note: Includes setting, leveling and plumbing of containment wall/dust barrier T intersection.	465.81
10 22 23 23-0066	EA	Containment Wall/Dust Barrier, Accessories, T-Intersection Bracket (Starc S1-IT)..... Note: Includes setting, leveling and plumbing of containment wall/dust barrier T intersection bracket.	193.23
10 22 23 23-0067	EA	Containment Wall/Dust Barrier, Accessories, Quad Screw Joiner Plate (Starc S1-JP)..... Note: Includes installation of quad screw joiner plate for containment barrier.	11.82
10 22 23 23-0068	EA	Containment Wall/Dust Barrier, Accessories, Floor Panel Brace (Starc S3-FPB)..... Note: Includes installation of containment barrier floor panel brace.	203.14
10 22 23 23-0069	EA	Lightweight Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", 12" Wide (Starc LB-WM-12)..... Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.	406.36
10 22 23 23-0070	EA	Lightweight Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", 18" Wide (Starc LB-WM-18)..... Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.	465.81
10 22 23 23-0071	EA	Lightweight Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", 24" Wide (Starc LB-WM-24)..... Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.	515.36
10 22 23 23-0072	EA	Lightweight Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", 36" Wide (Starc LB-WM-36)..... Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.	614.48
10 22 23 23-0073	EA	Lightweight Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", 48" Wide (Starc LB-WM-48)..... Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.	688.82

		<b>Specialties</b>	<b>10</b>
		<b>Interior Specialties</b>	<b>10 20</b>
		<b>Partitions</b>	<b>10 22</b>
<b>MINOR</b>		<b>TOTAL DIRECT</b>	<b>DEMOLITION</b>
<b>CSI UOM DESCRIPTION</b>		<b>UNIT COST</b>	<b>UNIT COST</b>

10 22 23 23-0074	EA	Lightweight Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", Negative Air Management Panel, 24" Wide (Starc LB-AIR-24).....	763.15	
		Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.		
10 22 23 23-0075	EA	Lightweight Containment Wall/Dust Barrier, 42" Hinged Door (Starc LB-HD-42H).....	1,402.48	
		Note: Includes setting, leveling and plumbing of containment wall/dust barrier door. Handleset and closer are included		
10 22 23 23-0076	EA	Lightweight Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", Right Wall Interface (Starc LB-RWI).....	267.56	
		Note: Includes setting, leveling and plumbing of containment wall/dust barrier wall interface.		
10 22 23 23-0077	EA	Lightweight Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", Left Wall Interface (Starc LB-LWI).....	267.56	
		Note: Includes setting, leveling and plumbing of containment wall/dust barrier wall interface.		
10 22 23 23-0078	EA	Lightweight Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", Right Wall Filler Panel (Starc LB-RFP).....	227.92	
		Note: Includes setting, leveling and plumbing of containment wall/dust barrier filler panel attachment rail. Actual filler material is not included.		
10 22 23 23-0079	EA	Lightweight Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", Left Wall Filler Panel (Starc LB-LFP).....	227.92	
		Note: Includes setting, leveling and plumbing of containment wall/dust barrier filler panel attachment rail. Actual filler material is not included.		
10 22 23 23-0080	EA	Lightweight Containment Wall/Dust Barrier, Accessories, Flexible Corner (Starc LB-FC).....	292.35	
		Note: Includes setting, leveling and plumbing of containment wall/dust barrier flexible corner.		

**10 22 33 Accordion Folding Partitions (10 22)**

**10 22 33 00-0001 Accordion Doors/Partitions (10 22 33)**

Note: Includes top support track and assembled panels.				
10 22 33 00-0002	SF	15 STC, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 1500).....	73.94	5.23
		For <135, Add	14.79	
10 22 33 00-0003	SF	20 STC, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 2000).....	75.12	5.41
		For <135, Add	15.02	
10 22 33 00-0004	SF	31 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 3100).....	78.64	5.58
		For <135, Add	15.73	
10 22 33 00-0005	SF	35 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 3500).....	83.36	5.77
		For <135, Add	16.67	
10 22 33 00-0006	SF	39 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 3900).....	84.84	5.94
		For <135, Add	16.97	
10 22 33 00-0007	SF	40 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 4000).....	85.93	6.11
		For <135, Add	17.19	
10 22 33 00-0008	SF	41 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 4100).....	86.97	6.28
		For <135, Add	17.39	
10 22 33 00-0009	SF	45 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 4500).....	88.36	6.63
		For <135, Add	17.67	

**10 22 43 Sliding Partitions (10 22)**

**10 22 43 00-0001 Operable Wall (10 22 43)**

Note: Includes top support track, assembled panel and frames.				
10 22 43 00-0002	SF	Up To 720 SF, 12' Height Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating.....	108.42	9.07
		Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
		For 51 STC, Add	8.93	
10 22 43 00-0003	SF	>720 To 1,200 SF, 12 High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating.....	101.24	7.25
		Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
		For 51 STC, Add	8.74	
10 22 43 00-0004	SF	>1,200 SF, 12' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating.....	95.88	6.04
		Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
		For 51 STC, Add	8.56	
10 22 43 00-0005	SF	Up To 1,080 SF, 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating.....	92.99	6.35
		Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
		For 51 STC, Add	8.13	
10 22 43 00-0006	SF	>1,080 To 1,800 SF, 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating.....	87.38	5.16
		Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
		For 51 STC, Add	7.91	
10 22 43 00-0007	SF	>1,800 SF, 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating.....	84.01	4.62
		Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
		For 51 STC, Add	7.71	
10 22 43 00-0008	SF	Up To 1,440 SF, 24' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating.....	82.88	4.98
		Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
		For 51 STC, Add	7.47	
10 22 43 00-0009	SF	>1,440 To 2,400 SF, 24' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating.....	78.55	4.25
		Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
		For 51 STC, Add	7.23	
10 22 43 00-0010	SF	>2,400 SF, 24' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating.....	75.51	3.81
		Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
		For 51 STC, Add	7.05	
10 22 43 00-0011	SF	Up To 160 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating.....	115.44	8.06
		Note: Includes type 3 pocket door, track and hardware. Hufcor 632.		
		For 51 STC, Add	10.04	

**10 Specialties****10 20 Interior Specialties****10 22 Partitions**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

10 22 43 00-0012	SF	>160 To 240 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating.....	107.20	6.13
		Note: Includes type 3 pocket door, track and hardware. Hufcor 632.		
		For 51 STC, Add	9.77	
10 22 43 00-0013	SF	>240 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating.....	102.25	5.16
		Note: Includes type 3 pocket door, track and hardware. Hufcor 632.		
		For 51 STC, Add	9.55	

**10 26 Wall and Door Protection (10 20)****10 26 13 Corner Guards (10 26)**

10 26 13 00-0001		Vinyl Corner Guards (10 26 13)		
10 26 13 00-0002		Rigid Vinyl Corner Guards (10 26 13 00-0001)		
10 26 13 00-0003		Surface Mounted, Rigid Vinyl Corner Guards (10 26 13 00-0002)		
10 26 13 00-0004		90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards (10 26 13 00-0003)		
10 26 13 00-0005	LF	3/4" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-34).....	7.88	3.33
		For >50 To 100, Deduct	-1.39	
		For >100 To 200, Deduct	-1.94	
		For >200, Deduct	-2.61	
10 26 13 00-0006	LF	1-1/2" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-12).....	8.45	3.33
		For >50 To 100, Deduct	-1.39	
		For >100 To 200, Deduct	-1.94	
		For >200, Deduct	-2.64	
10 26 13 00-0007	LF	3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-13).....	11.60	3.33
		For >50 To 100, Deduct	-1.39	
		For >100 To 200, Deduct	-1.94	
		For >200, Deduct	-2.80	
10 26 13 00-0008	LF	4" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-14).....	15.53	3.33
		For >50 To 100, Deduct	-1.39	
		For >100 To 200, Deduct	-1.94	
		For >200, Deduct	-3.00	
10 26 13 00-0009		135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards (10 26 13 00-0003)		
10 26 13 00-0010	LF	1-1/2" Wing, 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-1245).....	14.82	3.33
		For >50 To 100, Deduct	-1.39	
		For >100 To 200, Deduct	-1.94	
		For >200, Deduct	-2.96	
10 26 13 00-0011		Rigid Vinyl Corner Guards With Aluminum Retainers (10 26 13 00-0001)		
		Note: Includes closure caps.		
10 26 13 00-0012		Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers (10 26 13 00-0011)		
10 26 13 00-0013		90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers (10 26 13 00-0012)		
10 26 13 00-0014	LF	2" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-20).....	14.73	4.99
		For >50 To 100, Deduct	-2.08	
		For >100 To 200, Deduct	-2.91	
		For >200, Deduct	-4.06	
		For Recycled Vinyl Retainer, Deduct	-1.28	
10 26 13 00-0015	LF	3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-10).....	16.48	4.99
		For >50 To 100, Deduct	-2.08	
		For >100 To 200, Deduct	-2.91	
		For >200, Deduct	-4.15	
		For Recycled Vinyl Retainer, Deduct	-1.63	
10 26 13 00-0016	LF	Bullnose 3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-30).....	18.23	4.99
		For >50 To 100, Deduct	-2.08	
		For >100 To 200, Deduct	-2.91	
		For >200, Deduct	-4.24	
		For Recycled Vinyl Retainer, Deduct	-1.98	
10 26 13 00-0017		135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers (10 26 13 00-0012)		
10 26 13 00-0018	LF	3" Wing, 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-135).....	21.51	4.99
		For >50 To 100, Deduct	-2.08	
		For >100 To 200, Deduct	-2.91	
		For >200, Deduct	-4.40	
		For Recycled Vinyl Retainer, Deduct	-2.64	
10 26 13 00-0019		End Wall Protector, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers (10 26 13 00-0012)		
		Note: Includes two rigid vinyl corner guards with aluminum retainers and a vinyl wall covering filler strip inserted between guards.		

<b>Specialties</b>	<b>10</b>
<b>Interior Specialties</b>	<b>10 20</b>
<b>Wall and Door Protection</b>	<b>10 26</b>

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 26 13 00-0020	LF	2" Wing, End Wall Protector, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-11)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i> <i>For Recycled Vinyl Retainer, Deduct</i>	30.57 -2.78 -3.89 -5.97 -3.89	6.66
10 26 13 00-0021	Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0011)</small>			
10 26 13 00-0022	90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0021)</small>			
10 26 13 00-0023	LF	2" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-72) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i> <i>For Up To 2 HR Fire Rated, Add</i>	19.77 -2.08 -2.91 -4.32 8.02	4.99
10 26 13 00-0024	LF	3" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-7) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i> <i>For Up To 2 HR Fire Rated, Add</i>	23.92 -2.08 -2.91 -4.52 10.92	4.99
10 26 13 00-0025	LF	Bullnose 3" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-32)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i> <i>For Up To 2 HR Fire Rated, Add</i>	22.13 -2.08 -2.91 -4.43 9.67	4.99
10 26 13 00-0026	135 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0021)</small>			
10 26 13 00-0027	LF	3" Wing, 135 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-75) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i> <i>For Up To 2 HR Fire Rated, Add</i>	25.69 -2.08 -2.91 -4.61 12.16	4.99
10 26 13 00-0028	End Wall Protector, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0021)</small> <i>Note: Includes two rigid vinyl corner guards with aluminum retainers and a vinyl wall covering filler strip inserted between guards.</i>			
10 26 13 00-0029	LF	2" Wing, End Wall Protector, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-888) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i> <i>For Up To 2 HR Fire Rated, Add</i>	54.16 -2.78 -3.89 -7.15 30.14	6.66
10 26 13 00-0030	Flexible Vinyl Corner Guards <small>(10 26 13 00-0001)</small> <i>Note: Includes adhesive for installation.</i>			
10 26 13 00-0031	Surface Mounted, Flexible Vinyl Corner Guards <small>(10 26 13 00-0030)</small>			
10 26 13 00-0032	90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guards <small>(10 26 13 00-0031)</small>			
10 26 13 00-0033	LF	1-3/4" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-9) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i> <i>For Bolting To Concrete Or Masonry, Add</i>	10.95 -1.39 -1.94 -2.77 2.48	3.33
10 26 13 00-0034	LF	2-1/2" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-3) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i> <i>For Bolting To Concrete Or Masonry, Add</i>	14.07 -1.39 -1.94 -2.92 2.94	3.33
10 26 13 00-0035	LF	4" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-15) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i> <i>For Bolting To Concrete Or Masonry, Add</i>	16.60 -1.39 -1.94 -3.05 3.32	3.33
10 26 13 00-0036	Polycarbonate Corner Guards <small>(10 26 13)</small>			
10 26 13 00-0037	Surface Mounted, Polycarbonate Corner Guards <small>(10 26 13 00-0036)</small>			
10 26 13 00-0038	90 Degree Angle, Surface Mounted, Polycarbonate Corner Guards <small>(10 26 13 00-0037)</small>			
10 26 13 00-0039	LF	3/4" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-16) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	7.18 -1.39 -1.94 -2.58	3.33
10 26 13 00-0040	LF	1-1/8" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-17) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	8.71 -1.39 -1.94 -2.66	3.33

**10 Specialties****10 20 Interior Specialties****10 26 Wall and Door Protection**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
10 26 13 00-0041	LF 2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-24) .....	10.49	3.33
	For >50 To 100, Deduct	-1.39	
	For >100 To 200, Deduct	-1.94	
	For >200, Deduct	-2.74	
10 26 13 00-0042	LF 2-1/2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-18) .....	11.57	3.33
	For >50 To 100, Deduct	-1.39	
	For >100 To 200, Deduct	-1.94	
	For >200, Deduct	-2.80	
10 26 13 00-0043	LF Bullnose 2-1/2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-23) .....	11.17	3.33
	For >50 To 100, Deduct	-1.39	
	For >100 To 200, Deduct	-1.94	
	For >200, Deduct	-2.78	
10 26 13 00-0044	135 Degree Angle, Surface Mounted, Polycarbonate Corner Guards <sup>(10 26 13 00-0037)</sup>		
10 26 13 00-0045	LF 2-1/2" Wing, 135 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-19) .....	11.57	3.33
	For >50 To 100, Deduct	-1.39	
	For >100 To 200, Deduct	-1.94	
	For >200, Deduct	-2.80	
10 26 13 00-0046	Aluminum Corner Guards <sup>(10 26 13)</sup>		
10 26 13 00-0047	Surface Mounted, Aluminum Corner Guards <sup>(10 26 13 00-0046)</sup>		
10 26 13 00-0048	90 Degree Angle, Surface Mounted, Aluminum Corner Guards <sup>(10 26 13 00-0047)</sup>		
10 26 13 00-0049	LF 1" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-400) .....	10.28	3.33
	For >50 To 100, Deduct	-1.39	
	For >100 To 200, Deduct	-1.94	
	For >200, Deduct	-2.73	
10 26 13 00-0050	LF 2" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-401) .....	12.35	3.33
	For >50 To 100, Deduct	-1.39	
	For >100 To 200, Deduct	-1.94	
	For >200, Deduct	-2.84	
10 26 13 00-0051	LF 3" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-402) .....	13.62	3.33
	For >50 To 100, Deduct	-1.39	
	For >100 To 200, Deduct	-1.94	
	For >200, Deduct	-2.90	
10 26 13 00-0052	135 Degree Angle, Surface Mounted, Aluminum Corner Guards <sup>(10 26 13 00-0047)</sup>		
10 26 13 00-0053	LF 1" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-403) .....	10.28	3.33
	For >50 To 100, Deduct	-1.39	
	For >100 To 200, Deduct	-1.94	
	For >200, Deduct	-2.73	
10 26 13 00-0054	LF 2" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-404) .....	12.35	3.33
	For >50 To 100, Deduct	-1.39	
	For >100 To 200, Deduct	-1.94	
	For >200, Deduct	-2.84	
10 26 13 00-0055	LF 3" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-405) .....	13.62	3.33
	For >50 To 100, Deduct	-1.39	
	For >100 To 200, Deduct	-1.94	
	For >200, Deduct	-2.90	
10 26 13 00-0056	Steel Corner Guards <sup>(10 26 13)</sup>		
10 26 13 00-0057	Steel Angle Iron, Corner Guards <sup>(10 26 13 00-0056)</sup>		
10 26 13 00-0058	Surface Mounted, Steel Angle Iron, Corner Guards <sup>(10 26 13 00-0057)</sup>		
10 26 13 00-0059	90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guards <sup>(10 26 13 00-0058)</sup>		
10 26 13 00-0060	LF 1" x 1" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard .....	13.35	4.00
	For Galvanizing, Add	2.34	
	For >50 To 100, Deduct	-1.67	
	For >100 To 200, Deduct	-2.33	
	For >200, Deduct	-3.33	
10 26 13 00-0061	LF 2" x 2" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard .....	16.98	4.33
	For Galvanizing, Add	3.42	
	For >50 To 100, Deduct	-1.81	
	For >100 To 200, Deduct	-2.53	
	For >200, Deduct	-3.74	
10 26 13 00-0062	LF 2" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard .....	18.05	4.50
	For Galvanizing, Add	3.70	
	For >50 To 100, Deduct	-1.87	
	For >100 To 200, Deduct	-2.62	
	For >200, Deduct	-3.90	
10 26 13 00-0063	LF 3" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard .....	18.46	4.66
	For Galvanizing, Add	3.74	
	For >50 To 100, Deduct	-1.94	
	For >100 To 200, Deduct	-2.72	
	For >200, Deduct	-4.03	
10 26 13 00-0064	LF 3" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard .....	22.99	4.83
	For Galvanizing, Add	5.23	
	For >50 To 100, Deduct	-2.01	
	For >100 To 200, Deduct	-2.81	
	For >200, Deduct	-4.37	



			<b>Specialties</b>	<b>10</b>
			<b>Interior Specialties</b>	<b>10 20</b>
			<b>Wall and Door Protection</b>	<b>10 26</b>

MINOR		DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0065	LF	4" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard ..... For Galvanizing, Add For >50 To 100, Deduct For >100 To 200, Deduct For >200, Deduct	27.55 6.73 -2.08 -2.91 -4.71	4.99
10 26 13 00-0066	LF	6" x 6" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard ..... For Galvanizing, Add For >50 To 100, Deduct For >100 To 200, Deduct For >200, Deduct	46.98 12.56 -2.78 -3.89 -6.79	6.66
10 26 13 00-0067		<b>Stainless Steel Corner Guards</b> (10 26 13)		
10 26 13 00-0068		<b>Stainless Steel Corner Guards</b> (10 26 13 00-0067) Note: Includes 16 gauge, type 304 stainless steel corner guards with #4 satin finish.		
10 26 13 00-0069		<b>Surface Mounted, Stainless Steel Corner Guards</b> (10 26 13 00-0068)		
10 26 13 00-0070		<b>90 Degree Angle, Surface Mounted, Stainless Steel Corner Guards</b> (10 26 13 00-0069)		
10 26 13 00-0071	LF	1" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-520) ..... For >50 To 100, Deduct For >100 To 200, Deduct For >200, Deduct	11.46 -1.39 -1.94 -2.79	3.33
10 26 13 00-0072	LF	2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-510) ..... For >50 To 100, Deduct For >100 To 200, Deduct For >200, Deduct	13.27 -1.39 -1.94 -2.88	3.33
10 26 13 00-0073	LF	3-1/2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-500) ..... For >50 To 100, Deduct For >100 To 200, Deduct For >200, Deduct	18.00 -1.39 -1.94 -3.12	3.33
10 26 13 00-0074	LF	Bullnose 3-1/2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-550)..... For >50 To 100, Deduct For >100 To 200, Deduct For >200, Deduct	18.00 -1.39 -1.94 -3.12	3.33
10 26 13 00-0075		<b>135 Degree Angle, Surface Mounted, Stainless Steel Corner Guards</b> (10 26 13 00-0069)		
10 26 13 00-0076	LF	3-1/2" Wing, 135 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-600) ..... For >50 To 100, Deduct For >100 To 200, Deduct For >200, Deduct	18.00 -1.39 -1.94 -3.12	3.33
10 26 13 00-0077	LF	Bullnose 3-1/2" Wing, 135 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-650)..... For >50 To 100, Deduct For >100 To 200, Deduct For >200, Deduct	18.00 -1.39 -1.94 -3.12	3.33
10 26 13 00-0078		<b>Stainless Steel Angle Iron, Corner Guards</b> (10 26 13 00-0067)		
10 26 13 00-0079		<b>Surface Mounted, Stainless Steel Angle Iron, Corner Guards</b> (10 26 13 00-0078)		
10 26 13 00-0080		<b>90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guards</b> (10 26 13 00-0079)		
10 26 13 00-0081	LF	1" x 1" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard ..... For >50 To 100, Deduct For >100 To 200, Deduct For >200, Deduct	22.11 -1.67 -2.33 -3.77	4.00
10 26 13 00-0082	LF	2" x 2" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard ..... For >50 To 100, Deduct For >100 To 200, Deduct For >200, Deduct	36.51 -1.81 -2.53 -4.71	4.33
10 26 13 00-0083	LF	2" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard ..... For >50 To 100, Deduct For >100 To 200, Deduct For >200, Deduct	50.86 -1.87 -2.62 -5.54	4.50
10 26 13 00-0084	LF	3" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard ..... For >50 To 100, Deduct For >100 To 200, Deduct For >200, Deduct	47.54 -1.94 -2.72 -5.49	4.66
10 26 13 00-0085	LF	3" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard ..... For >50 To 100, Deduct For >100 To 200, Deduct For >200, Deduct	67.75 -2.01 -2.81 -6.60	4.83
10 26 13 00-0086	LF	4" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard ..... For >50 To 100, Deduct For >100 To 200, Deduct For >200, Deduct	62.64 -2.08 -2.91 -6.46	4.99
10 26 13 00-0087		<b>Rubber Corner Guards</b> (10 26 13) Note: Includes adhesive for installation.		
10 26 13 00-0088		<b>Natural Rubber Corner Guards</b> (10 26 13 00-0087)		
10 26 13 00-0089		<b>Surface Mounted, Natural Rubber Corner Guards</b> (10 26 13 00-0088)		
10 26 13 00-0090		<b>90 Degree Angle, Surface Mounted, Natural Rubber Corner Guards</b> (10 26 13 00-0089)		

**10 Specialties****10 20 Interior Specialties****10 26 Wall and Door Protection**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

10 26 13 00-0091	LF	4-3/4" Wing, 90 Degree Angle, Surface Mounted, Natural Rubber Corner Guard (Pawling CG-5).....	52.32	3.33
		<i>For &gt;50 To 100, Deduct</i>	-1.39	
		<i>For &gt;100 To 200, Deduct</i>	-1.94	
		<i>For &gt;200, Deduct</i>	-4.84	
		<i>For Bolting To Concrete Or Masonry, Add</i>	8.68	

10 26 13 00-0092		Styrene-Butadiene Rubber (SBR) Corner Guards <small>(10 26 13 00-0087)</small>		
10 26 13 00-0093		Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guards <small>(10 26 13 00-0092)</small>		
10 26 13 00-0094		90 Degree Angle, Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guards <small>(10 26 13 00-0093)</small>		

10 26 13 00-0095	LF	4-5/8" Wing, 90 Degree Angle, Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guard (Pawling CG-2).....	23.52	3.33
		<i>For &gt;50 To 100, Deduct</i>	-1.39	
		<i>For &gt;100 To 200, Deduct</i>	-1.94	
		<i>For &gt;200, Deduct</i>	-3.40	
		<i>For Bolting To Concrete Or Masonry, Add</i>	4.36	

10 26 13 00-0096		Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards <small>(10 26 13 00-0097)</small>		
10 26 13 00-0097		Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards <small>(10 26 13 00-0096)</small>		
10 26 13 00-0098		90 Degree Angle, Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards <small>(10 26 13 00-0097)</small>		

10 26 13 00-0099	LF	4-5/8" Wing, 90 Degree Angle, Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guard (Pawling CG-2E).....	20.63	3.33
		<i>For &gt;50 To 100, Deduct</i>	-1.39	
		<i>For &gt;100 To 200, Deduct</i>	-1.94	
		<i>For &gt;200, Deduct</i>	-3.25	
		<i>For Bolting To Concrete Or Masonry, Add</i>	3.93	

**10 26 16 Bumper Guards (10 26)****10 26 16 13 Bumper Rails (10 26 16)**

10 26 16 13-0001		Crash Rails <small>(10 26 16 13)</small>		
		Note: Includes end caps.		

**10 26 16 13-0002 Polycarbonate Crash Rails (10 26 16 13-0001)**

10 26 16 13-0003	LF	3" High, 5/16" Deep, Polycarbonate Crash Rail (Pawling CR-3).....	12.69	4.44
		<i>For &gt;50 To 100, Deduct</i>	-2.22	
		<i>For &gt;100 To 200, Deduct</i>	-3.11	
		<i>For &gt;200, Deduct</i>	-4.19	
10 26 16 13-0004	LF	4" High, 5/16" Deep, Polycarbonate Crash Rail (Pawling CR-4).....	14.05	4.44
		<i>For &gt;50 To 100, Deduct</i>	-2.22	
		<i>For &gt;100 To 200, Deduct</i>	-3.11	
		<i>For &gt;200, Deduct</i>	-4.25	

**10 26 16 13-0005 Aluminum Crash Rails (10 26 16 13-0001)**

10 26 16 13-0006	LF	4" High, 3-1/4" Deep, Aluminum Crash Rail (Pawling CRA-100).....	37.58	4.44
		<i>For &gt;50 To 100, Deduct</i>	-2.22	
		<i>For &gt;100 To 200, Deduct</i>	-3.11	
		<i>For &gt;200, Deduct</i>	-5.43	

**10 26 16 13-0007 Stainless Steel Crash Rails (10 26 16 13-0001)**

10 26 16 13-0008	LF	4" High, 3-1/4" Deep, Stainless Steel Crash Rail (Pawling CRS-100).....	66.29	4.44
		<i>For &gt;50 To 100, Deduct</i>	-2.22	
		<i>For &gt;100 To 200, Deduct</i>	-3.11	
		<i>For &gt;200, Deduct</i>	-6.87	
10 26 16 13-0009	LF	5-1/2" High, 1-1/2" Deep, Stainless Steel Crash Rail (Pawling CRS-200).....	51.94	4.44
		<i>For &gt;50 To 100, Deduct</i>	-2.22	
		<i>For &gt;100 To 200, Deduct</i>	-3.11	
		<i>For &gt;200, Deduct</i>	-6.15	

**10 26 16 13-0010 Wall Guards (10 26 16 13)****10 26 16 13-0011 Rigid Vinyl Wall Guards With Aluminum Retainers (10 26 16 13-0010)**

10 26 16 13-0012	LF	1-1/2" High, 1-1/2" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-1).....	13.16	3.89
		<i>For &gt;50 To 100, Deduct</i>	-1.94	
		<i>For &gt;100 To 200, Deduct</i>	-2.72	
		<i>For &gt;200, Deduct</i>	-3.77	
10 26 16 13-0013	LF	3" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-3).....	16.03	4.44
		<i>For &gt;50 To 100, Deduct</i>	-2.22	
		<i>For &gt;100 To 200, Deduct</i>	-3.11	
		<i>For &gt;200, Deduct</i>	-4.35	
10 26 16 13-0014	LF	4" High, 3/4" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-4).....	17.37	4.44
		<i>For &gt;50 To 100, Deduct</i>	-2.22	
		<i>For &gt;100 To 200, Deduct</i>	-3.11	
		<i>For &gt;200, Deduct</i>	-4.42	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 16 13-0015	LF	5" High, 1-1/16" Deep, Curved, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-5) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	18.10 -2.22 -3.11 -4.46	4.44
10 26 16 13-0016	LF	6" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-6) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	21.63 -2.36 -3.30 -4.85	4.72
10 26 16 13-0017	LF	8" High, 1-1/16" Deep, Curved, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-7) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	21.75 -2.36 -3.30 -4.86	4.72
10 26 16 13-0018	LF	7-3/4" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-8) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	22.39 -2.36 -3.30 -4.89	4.72
10 26 16 13-0019	LF	12" High, 2" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-12) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	26.98 -2.50 -3.49 -5.34	4.99
10 26 16 13-0020		<b>Rubber Wall Guards</b> <small>(10 26 16 13-0010)</small>		
10 26 16 13-0021		<b>D-Shaped, Rubber Wall Guards</b> <small>(10 26 16 13-0020)</small>		
10 26 16 13-0022	LF	2" High, 1-3/4" Deep, D-Shaped, Rubber Wall Guard (Pawling D-2) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	17.74 -1.94 -2.72 -4.00	3.89
10 26 16 13-0023	LF	3" High, 3" Deep, D-Shaped, Rubber Wall Guard (Pawling D-3) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	26.10 -2.22 -3.11 -4.86	4.44
10 26 16 13-0024	LF	4" High, 4-1/4" Deep, D-Shaped, Rubber Wall Guard (Pawling D-4) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	38.52 -2.22 -3.11 -5.48	4.44
10 26 16 13-0025	LF	6" High, 6" Deep, D-Shaped, Rubber Wall Guard (Pawling D-6) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	54.16 -2.22 -3.11 -6.26	4.44
10 26 16 13-0026		<b>Rectangular, Rubber Wall Guards</b> <small>(10 26 16 13-0020)</small>		
10 26 16 13-0027	LF	8" High, 1-1/2" Deep, Rectangular, Rubber Wall Guard (Pawling E-1) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	41.22 -2.36 -3.30 -5.83	4.72
10 26 16 13-0028	LF	9" High, 2" Deep, Rectangular, Rubber Wall Guard (Pawling M-2) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	52.03 -2.50 -3.49 -6.59	4.99
10 26 16 13-0029		<b>Wing Type, Rubber Wall Guards</b> <small>(10 26 16 13-0020)</small>		
10 26 16 13-0030	LF	6" High, 2" Deep, Wing Type, Rubber Wall Guard (Pawling WT-20) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	67.72 -2.22 -3.11 -6.94	4.44
10 26 16 13-0031	LF	6" High, 3" Deep, Wing Type, Rubber Wall Guard (Pawling WT-30) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	72.03 -2.22 -3.11 -7.15	4.44
10 26 16 13-0032	LF	3-7/8" High, 2-1/2" Deep, Wing Type, Rubber Wall Guard (Pawling WT-25) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	32.86 -1.94 -2.72 -4.75	3.89
10 26 16 13-0033		<b>U-Shaped, Rubber Wall Guards</b> <small>(10 26 16 13-0020)</small>		
10 26 16 13-0034	LF	3-1/8" High, 3-7/8" Deep, U-Shaped, Rubber Wall Guard (Pawling U-4) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	57.15 -2.36 -3.30 -6.63	4.72
10 26 16 13-0035	LF	4-1/2" High, 3-1/2" Deep, U-Shaped, Rubber Wall Guard (Pawling U-3) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	63.97 -2.36 -3.30 -6.97	4.72
10 26 16 13-0036		<b>Accent Rails</b> <small>(10 26 16 13)</small> Note: Includes end caps.		
10 26 16 13-0037		<b>Oval, Rigid Vinyl Accent Rails With Aluminum Retainers</b> <small>(10 26 16 13-0036)</small>		
10 26 16 13-0038	LF	1-1/8" High, 1-1/16" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling EB-25) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	15.50 -1.94 -2.72 -3.88	3.89

10 Specialties

10 20 Interior Specialties

10 26 Wall and Door Protection

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

10 26 16 13-0039	LF	2" High, 1-1/8" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling EBR-30)	15.53	3.89
		<i>For &gt;50 To 100, Deduct</i>	-1.94	
		<i>For &gt;100 To 200, Deduct</i>	-2.72	
		<i>For &gt;200, Deduct</i>	-3.88	
10 26 16 13-0040	LF	2" High, 1-3/4" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling WG-22)	22.14	3.89
		<i>For &gt;50 To 100, Deduct</i>	-1.94	
		<i>For &gt;100 To 200, Deduct</i>	-2.72	
		<i>For &gt;200, Deduct</i>	-4.22	

10 26 16 16 Protective Corridor Handrails (10 26 16)

10 26 16 16-0001 Protective Corridor Handrails (10 26 16 16)

10 26 16 16-0002 Vinyl/Acrylic Protective Corridor Handrails With Aluminum Retainers (10 26 16 16-0001)

10 26 16 16-0003	LF	1-1/2" Diameter, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HR-6CN)	28.24	8.32
		<i>For &gt;50 To 100, Deduct</i>	-4.16	
		<i>For &gt;100 To 200, Deduct</i>	-5.83	
		<i>For &gt;200, Deduct</i>	-8.07	
10 26 16 16-0004	EA	End Cap For 1-1/2" Diameter, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn)	24.93	8.32
		<i>For &gt;50 To 100, Deduct</i>	-4.16	
		<i>For &gt;100 To 200, Deduct</i>	-5.83	
		<i>For &gt;200, Deduct</i>	-7.91	
		<i>For &gt;25 To 50, Deduct</i>	-4.16	
		<i>For &gt;50 To 100, Deduct</i>	-5.83	
		<i>For &gt;100, Deduct</i>	-7.91	
10 26 16 16-0005	LF	5-1/2" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HRB-4C)	38.17	8.32
		<i>For &gt;50 To 100, Deduct</i>	-4.16	
		<i>For &gt;100 To 200, Deduct</i>	-5.83	
		<i>For &gt;200, Deduct</i>	-8.57	
10 26 16 16-0006	EA	End Cap For 5-1/2" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn)	31.55	8.32
		<i>For &gt;50 To 100, Deduct</i>	-4.16	
		<i>For &gt;100 To 200, Deduct</i>	-5.83	
		<i>For &gt;200, Deduct</i>	-8.24	
		<i>For &gt;25 To 50, Deduct</i>	-4.16	
		<i>For &gt;50 To 100, Deduct</i>	-5.83	
		<i>For &gt;100, Deduct</i>	-8.24	
10 26 16 16-0007	LF	6-1/4" High, Vinyl/Acrylic Crash And Handrail With Aluminum Retainer (Acrovyn HRB-10CN)	39.82	8.32
		<i>For &gt;50 To 100, Deduct</i>	-4.16	
		<i>For &gt;100 To 200, Deduct</i>	-5.83	
		<i>For &gt;200, Deduct</i>	-8.65	
10 26 16 16-0008	EA	End Cap For 6-1/4" High, Vinyl/Acrylic Crash And Handrail With Aluminum Retainer (Acrovyn)	43.13	8.32
		<i>For &gt;50 To 100, Deduct</i>	-4.16	
		<i>For &gt;100 To 200, Deduct</i>	-5.83	
		<i>For &gt;200, Deduct</i>	-8.82	
		<i>For &gt;25 To 50, Deduct</i>	-4.16	
		<i>For &gt;50 To 100, Deduct</i>	-5.83	
		<i>For &gt;100, Deduct</i>	-8.82	
10 26 16 16-0009	LF	6" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HR-8CN)	51.41	8.32
		<i>For &gt;50 To 100, Deduct</i>	-4.16	
		<i>For &gt;100 To 200, Deduct</i>	-5.83	
		<i>For &gt;200, Deduct</i>	-9.23	
10 26 16 16-0010	EA	End Cap For 6" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn)	56.37	8.32
		<i>For &gt;50 To 100, Deduct</i>	-4.16	
		<i>For &gt;100 To 200, Deduct</i>	-5.83	
		<i>For &gt;200, Deduct</i>	-9.48	
		<i>For &gt;25 To 50, Deduct</i>	-4.16	
		<i>For &gt;50 To 100, Deduct</i>	-5.83	
		<i>For &gt;100, Deduct</i>	-9.48	

10 26 16 16-0011 Stainless Steel Protective Corridor Handrails (10 26 16 16-0001)

10 26 16 16-0012	LF	5-7/8" High, Stainless Steel Protective Corridor Handrail (Acrovyn P-RS)	67.96	8.32
		<i>For &gt;50 To 100, Deduct</i>	-4.16	
		<i>For &gt;100 To 200, Deduct</i>	-5.83	
		<i>For &gt;200, Deduct</i>	-10.06	
10 26 16 16-0013	EA	End Cap For 5-7/8" High, Stainless Steel Protective Corridor Handrail (Acrovyn)	69.61	8.32
		<i>For &gt;50 To 100, Deduct</i>	-4.16	
		<i>For &gt;100 To 200, Deduct</i>	-5.83	
		<i>For &gt;200, Deduct</i>	-10.14	
		<i>For &gt;25 To 50, Deduct</i>	-4.16	
		<i>For &gt;50 To 100, Deduct</i>	-5.83	
		<i>For &gt;100, Deduct</i>	-10.14	

10 26 16 16-0014 Hardwood Protective Corridor Handrails (10 26 16 16-0001)

Note: Includes end caps.

10 26 16 16-0015	LF	4" High, Vinyl Protective Corridor Handrail With 1-1/2" Diameter Wood (Pawling BR-400C)	32.94	7.07
		<i>For &gt;50 To 100, Deduct</i>	-3.54	
		<i>For &gt;100 To 200, Deduct</i>	-4.95	
		<i>For &gt;200, Deduct</i>	-7.31	
		<i>For Maple, Add</i>	0.56	
10 26 16 16-0016	LF	5-1/2" Diameter, Hardwood Protective Corridor Handrail With Vinyl Inserts (Pawling BR-5500)	39.23	7.54
		<i>For &gt;50 To 100, Deduct</i>	-3.77	
		<i>For &gt;100 To 200, Deduct</i>	-5.28	
		<i>For &gt;200, Deduct</i>	-8.00	

	MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
			UNIT COST	UNIT COST

10 26 16 16-0017	LF	1-1/2" Diameter, Hardwood Protective Corridor Handrail (Pawling BR-1500) .....	28.92	7.07
		<i>For &gt;50 To 100, Deduct</i>	-3.54	
		<i>For &gt;100 To 200, Deduct</i>	-4.95	
		<i>For &gt;200, Deduct</i>	-7.11	
		<i>For Maple, Add</i>	6.35	
		<i>For Oak, Add</i>	7.09	
<b>10 26 16 16-0018</b>		<b>Wood/Acrylic Protective Corridor Handrails With Aluminum Retainers (10261616-0001)</b>		
10 26 16 16-0019	LF	6-1/4" High, Wood/Acrylic Crash And Handrail With Aluminum Retainer (Acrovyn HRBW-10CN) .....	57.20	8.32
		<i>For &gt;50 To 100, Deduct</i>	-4.16	
		<i>For &gt;100 To 200, Deduct</i>	-5.83	
		<i>For &gt;200, Deduct</i>	-9.52	
<b>10 26 23</b>		<b>Protective Wall Covering (10 26)</b>		
<b>10 26 23 13</b>		<b>Impact Resistant Wall Protection (10 26 23)</b>		
<b>10 26 23 13-0001</b>		<b>Impact Resistant Wall Protection (10 26 23 13)</b>		
		Note: Includes standard trim.		
10 26 23 13-0002	SF	0.030" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-30) .....	8.41	2.78
10 26 23 13-0003	SF	0.040" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-40) .....	8.75	2.78
10 26 23 13-0004	SF	0.060" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-60) .....	10.77	2.78
<b>10 26 23 13-0005</b>		<b>Interior Polyvinyl Chloride (PVC) Soffit System (10 26 23 13)</b>		
		Note: DecoShield Systems, Inc. Concealment system for fire sprinkler piping, plumbing lines, HVAC, cable and conduit.		
<b>10 26 23 13-0006</b>		<b>"L" Design (10 26 23 13-0005)</b>		
<b>10 26 23 13-0007</b>		<b>L-Shield (10 26 23 13-0006)</b>		
10 26 23 13-0008	LF	2.38" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1" Shield Size For 3/4" And 1" Pipe .....	14.42	2.78
10 26 23 13-0009	LF	3" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1-1/4" Shield Size For 1-1/4" And 1-1/2" Pipe .....	16.85	3.89
10 26 23 13-0010	LF	3.75" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2" Shield Size For 2" Pipe .....	22.10	4.99
10 26 23 13-0011	LF	5.75" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2-1/2" Shield Size For 2-1/2" Pipe .....	30.16	6.10
<b>10 26 23 13-0012</b>		<b>"Combo" Hanger (10 26 23 13-0006)</b>		
10 26 23 13-0013	EA	Combination "Combo" Hanger, L-Support, For 3/4" Pipe .....	16.52	5.55
10 26 23 13-0014	EA	Combination "Combo" Hanger, L-Support, For 1" Pipe .....	19.16	6.67
10 26 23 13-0015	EA	Combination "Combo" Hanger, L-Support, For 1-1/4" Pipe .....	22.15	7.77
10 26 23 13-0016	EA	Combination "Combo" Hanger, L-Support, For 1-1/2" Pipe .....	24.68	8.88
10 26 23 13-0017	EA	Combination "Combo" Hanger, L-Support, For 2" Pipe .....	27.67	9.99
<b>10 26 23 13-0018</b>		<b>Snap-2 Pipe Hanger (10 26 23 13-0006)</b>		
10 26 23 13-0019	EA	Snap-2 Pipe Hanger, L-Support, For 3/4" Pipe .....	13.92	5.55
10 26 23 13-0020	EA	Snap-2 Pipe Hanger, L-Support, For 1" Pipe .....	16.89	6.67
10 26 23 13-0021	EA	Snap-2 Pipe Hanger, L-Support, For 1-1/4" Pipe .....	19.66	7.77
10 26 23 13-0022	EA	Snap-2 Pipe Hanger, L-Support, For 1-1/2" Pipe .....	22.84	8.88
10 26 23 13-0023	EA	Snap-2 Pipe Hanger, L-Support, For 2" Pipe .....	26.15	9.99
<b>10 26 23 13-0024</b>		<b>Coupling (10 26 23 13-0006)</b>		
10 26 23 13-0025	EA	Coupling, L-Shield, 1" Shield Size .....	8.90	2.78
10 26 23 13-0026	EA	Coupling, L-Shield, 1-1/4" Shield Size .....	12.85	3.89
10 26 23 13-0027	EA	Coupling, L-Shield, 2" Shield Size .....	18.32	4.99
10 26 23 13-0028	EA	Coupling, L-Shield, 2-1/2" Shield Size .....	22.91	6.10
<b>10 26 23 13-0029</b>		<b>Coupling, Reducer (10 26 23 13-0006)</b>		
10 26 23 13-0030	EA	Coupling, Reducing, L-Shield, 1-1/4" x 1" Shield Size .....	23.97	3.33
10 26 23 13-0031	EA	Coupling, Reducing, L-Shield, 2" x 1" Shield Size .....	29.39	3.89
10 26 23 13-0032	EA	Coupling, Reducing, L-Shield, 2" x 1-1/4" Shield Size .....	34.83	4.44
10 26 23 13-0033	EA	Coupling, Reducing, L-Shield, 2-1/2" x 2" Shield Size .....	133.07	5.55
<b>10 26 23 13-0034</b>		<b>Shield Clips (10 26 23 13-0006)</b>		
10 26 23 13-0035	EA	Shield Clips, L-Support, 1" Shield Size .....	5.38	1.66
10 26 23 13-0036	EA	Shield Clips, L-Support, 1-1/4" Shield Size .....	8.14	2.78
10 26 23 13-0037	EA	Shield Clips, L-Support, 2" Shield Size .....	10.80	3.89
10 26 23 13-0038	EA	Shield Clips, L-Support, 2-1/2" Shield Size .....	12.37	4.99
<b>10 26 23 13-0039</b>		<b>Wall Flange (10 26 23 13-0006)</b>		
10 26 23 13-0040	EA	Wall Flange, L-Shield, 1" Shield Size .....	8.69	2.78
10 26 23 13-0041	EA	Wall Flange, L-Shield, 1-1/4" Shield Size .....	12.42	3.89
10 26 23 13-0042	EA	Wall Flange, L-Shield, 2" Shield Size .....	17.88	4.99
10 26 23 13-0043	EA	Wall Flange, L-Shield, 2-1/2" Shield Size .....	70.23	6.10
<b>10 26 23 13-0044</b>		<b>End Cap (10 26 23 13-0006)</b>		
10 26 23 13-0045	EA	End Cap, L-Shield, 1" Shield Size .....	8.63	1.66

<b>10</b>	<b>10 Specialties</b>
	<b>10 20 Interior Specialties</b>
	<b>10 26 Wall and Door Protection</b>



		MINOR			TOTAL DIRECT	DEMOLITION
		CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
	10 26 23 13-0046	EA		End Cap, L-Shield, 1-1/4" Shield Size.....	11.60	2.78
	10 26 23 13-0047	EA		End Cap, L-Shield, 2" Shield Size.....	16.10	3.89
	10 26 23 13-0048	EA		End Cap, L-Shield, 2-1/2" Shield Size.....	71.19	4.99
<b>10 26 23 13-0049</b>	<b>Inside/Outside Corner</b> <small>(10 26 23 13-0006)</small>					
	10 26 23 13-0050	EA		Inside/Outside Corner, L-Shield, 1" Shield Size.....	52.52	5.55
	10 26 23 13-0051	EA		Inside/Outside Corner, L-Shield, 1-1/4" Shield Size.....	56.78	6.67
	10 26 23 13-0052	EA		Inside/Outside Corner, L-Shield, 2" Shield Size.....	68.67	8.33
	10 26 23 13-0053	EA		Inside/Outside Corner, L-Shield, 2-1/2" Shield Size.....	118.92	9.99
<b>10 26 23 13-0054</b>	<b>Joiner</b> <small>(10 26 23 13-0006)</small>					
	10 26 23 13-0055	LF		Joiner, L-Shield.....	11.01	1.66
<b>10 26 23 13-0056</b>	<b>"U" Design</b> <small>(10 26 23 13-0005)</small>					
<b>10 26 23 13-0057</b>	<b>U-Shield</b> <small>(10 26 23 13-0056)</small>					
	10 26 23 13-0058	LF		2.25" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1" Shield Size For 3/4" And 1" Pipe .....	17.23	2.78
	10 26 23 13-0059	LF		2.875" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1-1/4" Shield Size For 1-1/4" Pipe .....	21.61	3.89
	10 26 23 13-0060	LF		3.68" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2" Shield Size For 1-1/2" And 2" Pipe .....	27.61	3.89
<b>10 26 23 13-0061</b>	<b>"Combo" Hanger</b> <small>(10 26 23 13-0056)</small>					
	10 26 23 13-0062	EA		Combination "Combo" Hanger, U-Support For 3/4" Pipe.....	14.46	5.55
	10 26 23 13-0063	EA		Combination "Combo" Hanger, U-Support For 1" Pipe.....	17.21	6.67
	10 26 23 13-0064	EA		Combination "Combo" Hanger, U-Support For 1-1/4" Pipe.....	19.87	7.77
	10 26 23 13-0065	EA		Combination "Combo" Hanger, U-Support For 1-1/2" Pipe.....	24.36	8.88
	10 26 23 13-0066	EA		Combination "Combo" Hanger, U-Support For 2" Pipe.....	27.56	9.99
<b>10 26 23 13-0067</b>	<b>Snap-2 Pipe Hanger</b> <small>(10 26 23 13-0056)</small>					
	10 26 23 13-0068	EA		Snap-2 Pipe Hanger, U-Support, For 3/4" Pipe .....	13.70	5.55
	10 26 23 13-0069	EA		Snap-2 Pipe Hanger, U-Support, For 1" Pipe .....	16.67	6.67
	10 26 23 13-0070	EA		Snap-2 Pipe Hanger, U-Support, For 1-1/4" Pipe .....	20.20	7.77
	10 26 23 13-0071	EA		Snap-2 Pipe Hanger, U-Support, For 1-1/2" Pipe .....	22.63	8.88
	10 26 23 13-0072	EA		Snap-2 Pipe Hanger, U-Support, For 2" Pipe .....	26.04	9.99
<b>10 26 23 13-0073</b>	<b>Coupling</b> <small>(10 26 23 13-0056)</small>					
	10 26 23 13-0074	EA		Coupling, U-Shield, 1" Shield Size.....	10.42	2.78
	10 26 23 13-0075	EA		Coupling, U-Shield, 1-1/4" Shield Size.....	13.18	3.89
	10 26 23 13-0076	EA		Coupling, U-Shield, 2" Shield Size.....	16.15	4.99
<b>10 26 23 13-0077</b>	<b>Coupling, Reducer</b> <small>(10 26 23 13-0056)</small>					
	10 26 23 13-0078	EA		Reducing Coupling, U-Shield, 1-1/4" x 1" Shield Size.....	28.29	3.33
	10 26 23 13-0079	EA		Reducing Coupling, U-Shield, 2" x 1" Shield Size.....	33.72	3.89
	10 26 23 13-0080	EA		Reducing Coupling, U-Shield, 2" x 1-1/4" Shield Size.....	35.91	4.44
<b>10 26 23 13-0081</b>	<b>Shield Clips</b> <small>(10 26 23 13-0056)</small>					
	10 26 23 13-0082	EA		Shield Clips, U-Support, 1" Shield Size.....	4.95	1.66
	10 26 23 13-0083	EA		Shield Clips, U-Support, 1-1/4" Shield Size .....	7.39	2.78
	10 26 23 13-0084	EA		Shield Clips, U-Support, 2" Shield Size.....	9.82	3.89
<b>10 26 23 13-0085</b>	<b>Wall Flange</b> <small>(10 26 23 13-0056)</small>					
	10 26 23 13-0086	EA		Wall Flange, U-Shield, 1" Shield Size .....	10.09	2.78
	10 26 23 13-0087	EA		Wall Flange, U-Shield, 1-1/4" Shield Size .....	13.07	3.89
	10 26 23 13-0088	EA		Wall Flange, U-Shield, 2" Shield Size .....	16.04	4.99
<b>10 26 23 13-0089</b>	<b>End Cap</b> <small>(10 26 23 13-0056)</small>					
	10 26 23 13-0090	EA		End Cap, U-Shield, 1" Shield Size.....	9.17	1.66
	10 26 23 13-0091	EA		End Cap, U-Shield, 1-1/4" Shield Size.....	12.47	2.78
	10 26 23 13-0092	EA		End Cap, U-Shield, 2" Shield Size.....	15.66	3.89
<b>10 26 23 13-0093</b>	<b>Inside/Outside Corner</b> <small>(10 26 23 13-0056)</small>					
	10 26 23 13-0094	EA		Inside/Outside Corner, U-Shield, 1" Shield Size .....	65.60	5.55
	10 26 23 13-0095	EA		Inside/Outside Corner, U-Shield, 1-1/4" Shield Size .....	73.11	6.67
	10 26 23 13-0096	EA		Inside/Outside Corner, U-Shield, 2" Shield Size .....	86.61	8.33
<b>10 26 23 13-0097</b>	<b>Elbow</b> <small>(10 26 23 13-0056)</small>					
	10 26 23 13-0098	EA		Elbow, U-Shield, 1" Shield Size .....	64.41	5.55
	10 26 23 13-0099	EA		Elbow, U-Shield, 1-1/4" Shield Size .....	70.95	6.67
	10 26 23 13-0100	EA		Elbow, U-Shield, 2" Shield Size .....	84.56	8.33
<b>10 26 23 13-0101</b>	<b>Tee</b> <small>(10 26 23 13-0056)</small>					

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 23 13-0102	EA		Tee, U-Shield, 1" x 1" x 1" Shield Size.....	81.86	8.33
10 26 23 13-0103	EA		Tee, U-Shield, 1-1/4" x 1-1/4" x 1-1/4" Shield Size.....	91.24	9.99
10 26 23 13-0104	EA		Tee, U-Shield, 2" x 2" x 2" Shield Size.....	106.71	12.21
10 26 23 13-0105	EA		Tee, U-Shield, 1-1/4" x 1-1/4" x 1" Shield Size.....	107.54	9.44
10 26 23 13-0106	EA		Tee, U-Shield, 2" x 2" x 1-1/4" Shield Size.....	116.41	11.66
<b>10 26 23 13-0107</b>			<b>Cross</b> <small>(10 26 23 13-0056)</small>		
10 26 23 13-0108	EA		Cross, U-Shield, 1" Shield Size.....	147.08	11.11
10 26 23 13-0109	EA		Cross, U-Shield, 1-1/4" Shield Size.....	165.04	13.32
10 26 23 13-0110	EA		Cross, U-Shield, 2" Shield Size.....	200.68	16.66
10 26 23 13-0111	EA		Cross, U-Shield, 1-1/4" x 1" Shield Size.....	200.88	12.21
10 26 23 13-0112	EA		Cross, U-Shield, 2" x 1-1/4" Shield Size.....	221.35	14.99
<b>10 26 23 13-0113</b>			<b>Transition Fittings (L to U Or U to L)</b> <small>(10 26 23 13-0005)</small>		
<b>10 26 23 13-0114</b>			<b>Coupling Transition</b> <small>(10 26 23 13-0113)</small>		
10 26 23 13-0115	EA		Transition Coupling, 1" x 1", LxU or UxL.....	25.23	2.78
10 26 23 13-0116	EA		Transition Coupling, 1-1/4" x 1-1/4", LxU or UxL.....	28.75	3.89
10 26 23 13-0117	EA		Transition Coupling, 2" x 2", LxU or UxL.....	35.83	4.99
10 26 23 13-0118	EA		Transition Coupling, 1" x 1-1/4", LxU or UxL.....	28.62	3.33
10 26 23 13-0119	EA		Transition Coupling, 1-1/4" x 2", LxU or UxL.....	35.69	4.44
10 26 23 13-0120	EA		Transition Coupling, 2" x 2-1/2", LxU or UxL.....	139.23	5.55
<b>10 26 23 13-0121</b>			<b>Elbow Transition</b> <small>(10 26 23 13-0113)</small>		
10 26 23 13-0122	EA		Transition Elbow, 1" x 1" (UxL).....	86.15	5.55
10 26 23 13-0123	EA		Transition Elbow, 1-1/4" x 1-1/4" (UxL).....	93.54	6.67
10 26 23 13-0124	EA		Transition Elbow, 2" x 2" (UxL).....	109.86	8.33
10 26 23 13-0125	EA		Transition Elbow, 1" x 1-1/4" (UxL).....	133.30	6.10
10 26 23 13-0126	EA		Transition Elbow, 1-1/4" x 1" (UxL).....	94.81	6.10
10 26 23 13-0127	EA		Transition Elbow, 1-1/4" x 2" (UxL).....	141.19	7.77
10 26 23 13-0128	EA		Transition Elbow, 2" x 1-1/4" (UxL).....	109.94	7.77
10 26 23 13-0129	EA		Transition Elbow, 2" x 2-1/2" (UxL).....	169.56	8.88
<b>10 26 23 13-0130</b>			<b>Tee Transition</b> <small>(10 26 23 13-0113)</small>		
10 26 23 13-0131	EA		Transition Tee, 1" x 1" x 1" (LxLxU).....	99.26	8.33
10 26 23 13-0132	EA		Transition Tee, 1-1/4" x 1-1/4" x 1-1/4" (LxLxU).....	114.92	9.99
10 26 23 13-0133	EA		Transition Tee, 2" x 2" x 2" (LxLxU).....	133.85	12.21
10 26 23 13-0134	EA		Transition Tee, 1-1/4" x 1-1/4" x 1" (LxLxU).....	105.05	9.44
10 26 23 13-0135	EA		Transition Tee, 1-1/4" x 1-1/4" x 2" (LxLxU).....	163.82	10.55
10 26 23 13-0136	EA		Transition Tee, 2" x 2" x 1-1/4" (LxLxU).....	117.38	11.66
10 26 23 13-0137	EA		Transition Tee, 2-1/2" x 2-1/2" x 2" (LxLxU).....	159.67	13.88
<b>10 26 23 13-0138</b>			<b>Fittings (L Or U)</b> <small>(10 26 23 13-0005)</small>		
<b>10 26 23 13-0139</b>			<b>Hugger Hangers For Steel Pipe</b> <small>(10 26 23 13-0138)</small>		
10 26 23 13-0140	EA		Hugger Hanger, For 1/2" Steel Pipe.....	11.15	4.44
10 26 23 13-0141	EA		Hugger Hanger, For 3/4" Steel Pipe.....	13.92	5.55
10 26 23 13-0142	EA		Hugger Hanger, For 1" Steel Pipe.....	16.35	6.67
10 26 23 13-0143	EA		Hugger Hanger, For 1-1/4" Steel Pipe.....	18.90	7.77
10 26 23 13-0144	EA		Hugger Hanger, For 1-1/2" Steel Pipe.....	21.33	8.88
10 26 23 13-0145	EA		Hugger Hanger, For 2" Steel Pipe.....	23.99	8.88
10 26 23 13-0146	EA		Hugger Hanger, For 2-1/2" Steel Pipe.....	26.42	11.11
10 26 23 13-0147	EA		Hugger Hanger, For 3" Steel Pipe.....	32.65	12.21
<b>10 26 23 13-0148</b>			<b>Hugger Hangers For Copper Pipe</b> <small>(10 26 23 13-0138)</small>		
10 26 23 13-0149	EA		1/2" Copper Pipe, Hugger Hanger.....	11.26	4.44
10 26 23 13-0150	EA		3/4" Copper Pipe, Hugger Hanger.....	14.03	5.55
10 26 23 13-0151	EA		1" Copper Pipe, Hugger Hanger.....	16.46	6.67
10 26 23 13-0152	EA		1-1/4" Copper Pipe, Hugger Hanger.....	19.01	7.77
10 26 23 13-0153	EA		1-1/2" Copper Pipe, Hugger Hanger.....	21.44	8.88
10 26 23 13-0154	EA		2" Copper Pipe, Hugger Hanger.....	24.21	9.99
10 26 23 13-0155	EA		2-1/2" Copper Pipe, Hugger Hanger.....	26.63	11.11
10 26 23 13-0156	EA		3" Copper Pipe, Hugger Hanger.....	32.97	12.21
<b>10 26 23 13-0157</b>			<b>Shield Extension (L Or U)</b> <small>(10 26 23 13-0138)</small>		
10 26 23 13-0158	LF		Shield Extension.....	13.28	1.66
<b>10 26 23 13-0159</b>			<b>Interior Steel Soffit System</b> <small>(10 26 23 13)</small>		
			Note: Concealment system for fire sprinkler piping, plumbing lines, HVAC, cable and conduit. Includes factory painted finish and field touch-up.		
10 26 23 13-0160	SF		24 Gauge Steel, U-Shield (JG Innovations Soffi-Steel).....	25.70	4.99
			<i>For 22 Gauge Steel, Add</i>	1.57	
			<i>For 20 Gauge Steel, Add</i>	3.36	
			<i>For 18 Gauge Steel, Add</i>	6.60	
			<i>For 16 Gauge Steel, Add</i>	10.13	
			<i>For Stainless Steel, Add</i>	3.93	

<b>10</b>	<b>10 Specialties</b>
	<b>10 20 Interior Specialties</b>
	<b>10 26 Wall and Door Protection</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 23 13-0161	EA		U-Shield Wall Flange (JG Innovations Soffi-Steel) <i>For Stainless Steel, Add</i>	42.08 3.58	13.88
10 26 23 13-0162	EA		U-Shield Corner (JG Innovations Soffi-Steel) <i>For Stainless Steel, Add</i>	101.23 16.70	16.66
10 26 23 13-0163	EA		U-Shield End Cap (JG Innovations Soffi-Steel) <i>For Stainless Steel, Add</i>	31.93 3.82	8.33
10 26 23 13-0164	EA		U-Shield Clip (JG Innovations Soffi-Steel) <i>For Stainless Steel, Add</i>	7.28 0.15	3.33
10 26 23 13-0165	SF		24 Gauge Steel, L-Shield (JG Innovations Soffi-Steel) <i>For 22 Gauge Steel, Add</i> <i>For 20 Gauge Steel, Add</i> <i>For 18 Gauge Steel, Add</i> <i>For 16 Gauge Steel, Add</i> <i>For Stainless Steel, Add</i>	29.05 1.43 3.05 5.91 9.91 4.77	4.99
10 26 23 13-0166	EA		L-Shield Wall Flange (JG Innovations Soffi-Steel) <i>For Stainless Steel, Add</i>	42.08 3.58	13.88
10 26 23 13-0167	EA		L-Shield Corner (JG Innovations Soffi-Steel) <i>For Stainless Steel, Add</i>	101.23 16.70	16.66
10 26 23 13-0168	EA		L-Shield End Cap (JG Innovations Soffi-Steel) <i>For Stainless Steel, Add</i>	27.48 3.82	6.10
10 26 23 13-0169	EA		L-Shield Clip (JG Innovations Soffi-Steel) <i>For Stainless Steel, Add</i>	7.28 0.15	3.33

**10 26 41 Bullet Resistant Panels (10 26)**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 41 00-0001			<b>Laminated Bullet Resistant Fiberglass Panel (10 26 41)</b> Note: Material consisting of multiple layers of woven roving ballistic grade fiberglass cloth impregnated with thermoset polyester resin and compressed into rigid flat sheets.		
10 26 41 00-0002	SF		1/8" Thick Ballistic Resistant Fiberglass Panel, 1.2 LB/SF	18.73	1.56
10 26 41 00-0003	SF		3/16" Thick Ballistic Resistant Fiberglass Panel, 2 LB/SF	25.36	1.68
10 26 41 00-0004	SF		1/4" Thick Ballistic Resistant Fiberglass Panel, 2.4 To 2.6 LB/SF	28.61	1.79
10 26 41 00-0005	SF		5/16" Thick Ballistic Resistant Fiberglass Panel, 3 To 3.6 LB/SF	30.46	1.90
10 26 41 00-0006	SF		3/8" Thick Ballistic Resistant Fiberglass Panel, 3.6 To 3.9 LB/SF	32.97	2.01
10 26 41 00-0007	SF		7/16" Thick Ballistic Resistant Fiberglass Panel, 4 To 4.9 LB/SF	35.46	2.12
10 26 41 00-0008	SF		9/16" Thick Ballistic Resistant Fiberglass Panel, 5.5 To 6.6 LB/SF	59.52	2.57
10 26 41 00-0009	SF		1-1/8" Thick Ballistic Resistant Fiberglass Panel, 11 To 11.7 LB/SF	85.41	4.02
10 26 41 00-0010	SF		1-3/16" Thick Ballistic Resistant Fiberglass Panel, 12 To 13.2 LB/SF	101.35	4.81
10 26 41 00-0011	SF		1-5/16" Thick Ballistic Resistant Fiberglass Panel, 13.4 To 14 LB/SF	122.60	5.25
10 26 41 00-0012	SF		1-7/16" Thick Ballistic Resistant Fiberglass Panel, 15.2 To 16 LB/SF	139.24	5.59

**10 28 Toilet, Bath, and Laundry Accessories (10 20)****10 28 13 Toilet Accessories (10 28)****10 28 13 13 Commercial Toilet Accessories (10 28 13)**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0001			<b>Toilet Accessories (10 28 13 13)</b>		
10 28 13 13-0002			<b>Dispensers (10 28 13 13-0001)</b>		
10 28 13 13-0003			<b>Paper Towel Dispensers (10 28 13 13-0002)</b>		
10 28 13 13-0004			<b>Stainless Steel Paper Towel Dispensers (10 28 13 13-0003)</b>		
10 28 13 13-0005	EA		Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-262)	105.93	24.97
10 28 13 13-0006	EA		Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-2620)	112.99	24.97
10 28 13 13-0007	EA		Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-2621)	114.03	24.97
10 28 13 13-0008	EA		Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-26212)	116.06	24.97
10 28 13 13-0009	EA		Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-263)	171.85	24.97
10 28 13 13-0010	EA		Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-359)	185.83	24.97
10 28 13 13-0011	EA		Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Contura B-4262)	202.31	24.97
10 28 13 13-0012	EA		Countertop Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick TrimLine B-526)	207.56	11.10
10 28 13 13-0013	EA		Concealed Cabinet, Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-318)	349.34	24.97
10 28 13 13-0014	EA		Touch Free, Surface Mounted, Stainless Steel Roll Paper Towel Dispenser (Bobrick B-2860)	411.22	24.97
10 28 13 13-0015	EA		Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-4369)	443.26	24.97
10 28 13 13-0016	EA		Recessed Automated Touchless Towel Dispenser, Stainless (Georgia-Pacific enMotion® 59466)	254.76	24.97
10 28 13 13-0017	EA		Stainless Steel Mounting Bracket For Wall Mounting enMotion Recessed Automated Touchless Towel Dispenser (Georgia-Pacific enMotion® 59476)	129.60	13.87

**10 28 13 13-0018 Plastic Paper Towel Dispensers (10 28 13 13-0003)**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0019	EA		Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Folded Paper Towel Dispenser (Bobrick Matrix B-5262)	81.85	24.97
10 28 13 13-0020	EA		Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Roll Paper Towel Dispenser (Bobrick Matrix B-52860)	162.95	24.97
10 28 13 13-0021	EA		Surface Mounted, Translucent Cover, Acrylonitrile Butadiene Styrene (ABS) Plastic Roll Paper Towel Dispenser (Bobrick B-72860)	161.87	24.97
10 28 13 13-0022	EA		Surface Mounted, Automated Touchless Towel Dispenser, Translucent Plastic (Georgia-Pacific enMotion® 59462)	138.54	24.97

**10 28 13 13-0023 Aluminum Paper Towel Dispensers (10 28 13 13-0003)**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0024	EA		Surface Mounted, Heavy-Duty Aluminum Casting Roll Paper Towel Dispenser (Bobrick B-253)	88.92	24.97

**10 28 13 13-0025 Toilet Tissue Dispensers (10 28 13 13-0002)**



MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

<b>10 28 13 13-0026</b>	<b>Plastic Toilet Tissue Dispensers</b>	<i>(10 28 13 13-0025)</i>		
10 28 13 13-0027	EA	Two Roll, Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Toilet Tissue Dispenser (Bobrick B-5288)	81.59	24.97
10 28 13 13-0028	EA	Two Jumbo Roll, Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Toilet Tissue Dispenser (Georgia Pacific 58250)	197.82	24.97
10 28 13 13-0029	EA	Vertical Double Roll, Surface Mounted, Translucent Plastic Steel Coreless Toilet Tissue Dispenser (Georgia-Pacific Compact® 56760)	71.34	24.97
10 28 13 13-0030	EA	Side By Side Double Roll, Surface Mounted, Translucent Plastic Toilet Tissue Dispenser (Georgia-Pacific Compact® 56784)	83.39	24.97
<b>10 28 13 13-0031</b>	<b>Cast Aluminum Toilet Tissue Dispensers</b>	<i>(10 28 13 13-0025)</i>		
10 28 13 13-0032	EA	Single Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-2730)	74.27	24.97
10 28 13 13-0033	EA	Single Roll With Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-273)	74.79	24.97
10 28 13 13-0034	EA	Two Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-2740)	78.46	24.97
10 28 13 13-0035	EA	Two Roll With Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-274)	85.26	24.97
10 28 13 13-0036	EA	Two Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-27460)	110.37	24.97
<b>10 28 13 13-0037</b>	<b>Stainless Steel Toilet Tissue Dispensers</b>	<i>(10 28 13 13-0025)</i>		
10 28 13 13-0038	EA	Single Roll, Surface Mounted, Vandal Resistant, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-264)	64.07	24.97
10 28 13 13-0039	EA	Double Roll, Surface Mounted, Toilet Tissue Dispenser With Utility Shelf (Bobrick B-540)	170.89	24.97
10 28 13 13-0040	EA	Single Roll, Surface Mounted, Stainless Steel, Toilet Tissue Dispenser (Bobrick B-543)	102.12	24.97
10 28 13 13-0041	EA	Single Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-663)	98.08	24.97
10 28 13 13-0042	EA	Single Roll, Surface Mounted, Stainless Steel, Bright Polished Finish, Toilet Tissue Dispenser (Bobrick B-685)	105.49	24.97
10 28 13 13-0043	EA	Double Roll, Surface Mounted, Stainless Steel, Bright Polished Finish, Toilet Tissue Dispenser (Bobrick B-686)	136.84	27.75
10 28 13 13-0044	EA	Single Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser (Bobrick B-6857)	105.49	24.97
10 28 13 13-0045	EA	Double Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser (Bobrick B-6867)	136.84	24.97
10 28 13 13-0046	EA	Single Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser With Hood (Bobrick B-66997)	146.92	24.97
10 28 13 13-0047	EA	Double Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser With Hoods (Bobrick B-6999)	226.00	24.97
10 28 13 13-0048	EA	Double Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser With Hoods (Bobrick B-69997)	226.00	24.97
10 28 13 13-0049	EA	Single Jumbo Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-2890)	98.24	24.97
10 28 13 13-0050	EA	Single Fold/Double Fold, Surface Mounted, Stainless Steel Toilet Tissue Cabinet (Bobrick B-272)	114.29	24.97
10 28 13 13-0051	EA	Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-265)	73.74	24.97
10 28 13 13-0052	EA	Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-2888)	122.40	24.97
10 28 13 13-0053	EA	Two Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-3888)	171.45	24.97
10 28 13 13-0054	EA	Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Contura B-4288)	178.13	24.97
10 28 13 13-0055	EA	Two Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Contura B-4388)	225.35	24.97
10 28 13 13-0056	EA	Two Jumbo Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-2892)	258.44	24.97
10 28 13 13-0057	EA	Four Roll, Partition Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-386) Note: Mounts centered through toilet partitions.	320.80	24.97
10 28 13 13-0058	EA	Multi-Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser With Shelf (Bobrick B-2840)	140.20	24.97
10 28 13 13-0059	EA	Vertical Double Roll, Surface Mounted, Stainless Steel Coreless Toilet Tissue Dispenser (Georgia-Pacific Compact® 56782)	129.96	24.97
10 28 13 13-0060	EA	Side By Side Double Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Georgia-Pacific Compact® 56796)	105.70	24.97
10 28 13 13-0061	EA	Dual Roll, Surface Mounted, Stainless Steel, Toilet Tissue Dispenser (ASI 9030)	174.53	24.97
10 28 13 13-0062	EA	Dual Roll, Surface Mounted, Stainless Steel, Toilet Tissue Dispenser (ASI 0030)	127.78	24.97
10 28 13 13-0063	EA	Twin, Hide-A-Roll, Surface Mounted, Stainless Steel, Toilet Tissue Dispenser (ASI 20030)	173.23	24.97
10 28 13 13-0064	EA	Twin, 9" Jumbo Roll, Surface Mounted, Stainless Steel, Toilet Tissue Dispenser (ASI 0040)	231.66	24.97
<b>10 28 13 13-0065</b>	<b>Soap or Sanitizer Dispensers</b>	<i>(10 28 13 13-0002)</i>		
10 28 13 13-0066	EA	20 Fluid Ounce, 4" Spout, Top-Filling Lavatory Mounted, Chrome Plated Soap Dispenser (Bobrick B-8221) For 34 Fluid Ounce (B-822), Add	96.77 4.75	24.97
10 28 13 13-0067	EA	20 Fluid Ounce, 6" Spout, Top-Filling Lavatory Mounted, Chrome Plated Soap Dispenser (Bobrick B-82216) For 34 Fluid Ounce (B-822), Add	104.62 4.75	24.97
10 28 13 13-0068	EA	24 Fluid Ounce, Surface Mounted, Translucent Polyethylene Soap Dispenser (Bobrick B-156)	66.94	24.97
10 28 13 13-0069	EA	24 Fluid Ounce, Surface Mounted, Chrome-Plated, Translucent Polyethylene Soap Dispenser (Bobrick B-155)	72.44	24.97
10 28 13 13-0070	EA	40 Fluid Ounce, Concealed Surface Mounted, Translucent Soap Dispenser (Bobrick B-40)	87.56	24.97
10 28 13 13-0071	EA	40 Fluid Ounce, Surface Mounted, Translucent Plastic Soap Dispenser (Bobrick Classic B-42)	89.83	24.97
10 28 13 13-0072	EA	40 Fluid Ounce, Surface Mounted, Stainless Steel Soap Dispenser (Bobrick Classic B-2111/2112)	98.34	24.97
10 28 13 13-0073	EA	40 Fluid Ounce, Surface Mounted, Stainless Steel Soap Dispenser (Bobrick Contura B-4112)	123.19	24.97
10 28 13 13-0074	EA	45 Fluid Ounce, Recessed Mounted, Stainless Steel Soap Dispenser (Bobrick B-306)	207.81	24.97
10 28 13 13-0075	EA	50 Fluid Ounce, Recessed Mounted, Stainless Steel Soap Dispenser (Bobrick Contura B-4063)	328.41	24.97
10 28 13 13-0076	EA	800 ml, Lavatory Mounted, Chrome Plated Automatic Soap Dispenser (Bobrick B-826.18) Note: Includes start-up kit.	205.54	24.97
<b>10 28 13 13-0077</b>	<b>Sanitizer Dispensers</b>	<i>(10 28 13 13-0002)</i>		
<b>10 28 13 13-0078</b>	<b>Manual Sanitizer Dispensers</b>	<i>(10 28 13 13-0077)</i>		
10 28 13 13-0079	EA	1,200 ml, Wall Mounted, Plastic, Manual Operation Liquid Hand Sanitizer Dispenser (Purell 5020-01)	77.61	24.97
10 28 13 13-0080	EA	1,200 ml, Wall Mounted, Plastic, Manual Operation Foam Hand Sanitizer Dispenser (Purell 4510-00)	78.73	24.97
10 28 13 13-0081	EA	1,250 ml, Wall Mounted, Plastic, Manual Operation Gel Hand Sanitizer Dispenser (Purell 8824-06-UV)	78.37	24.97
<b>10 28 13 13-0082</b>	<b>Automatic Sanitizer Dispensers</b>	<i>(10 28 13 13-0077)</i>		
10 28 13 13-0083	EA	1,000 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Clorox 30242-EA)	72.83	24.97
10 28 13 13-0084	EA	1,200 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell 6420-01 ES6)	93.75	24.97
10 28 13 13-0085	EA	1,200 ml, Wall Mounted, Plastic, Automatic Operation Gel Hand Sanitizer Dispenser (Purell 6520-01 CS6)	88.53	24.97

## 10 Specialties

## 10 20 Interior Specialties

## 10 28 Toilet, Bath, and Laundry Accessories

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
10 28 13	13-0086	EA	1,200 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell 7720-01 ES8)	94.93	24.97
10 28 13	13-0087	EA	1,000/1,200 ml, Wall Mounted, Plastic, Automatic Operation Foam/Gel Hand Sanitizer Dispenser (Georgia-Pacific enMotion® Gen2 Hygiene Series 52058)	108.78	24.97
10 28 13	13-0088	EA	2,000 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell 5240-06)	109.44	24.97
<b>10 28 13 13-0089 Automatic Floor Stand Sanitizer Dispensers (10 28 13 13-0077)</b>					
10 28 13	13-0090	EA	1,000 ml, Floor Stand, Metal, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell Elite LTX™ 2456-DS)	531.62	8.32
10 28 13	13-0091	EA	1,200 ml, Floor Stand, ABS Plastic, Automatic Operation Foam/Gel Hand Sanitizer Dispenser (Purell 7308-DS-SLV)	571.69	8.32
10 28 13	13-0092	EA	1,200 ml, Floor Stand, Aluminum and Polypropylene, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell 2454-DS02)	594.08	8.32
<b>10 28 13 13-0093 Facial Tissue Dispensers (10 28 13 13-0002)</b>					
10 28 13	13-0094	EA	Surface Mounted, Stainless Steel Facial Tissue Dispenser (Bobrick B-8397)	110.90	24.97
10 28 13	13-0095	EA	Recessed Mounted, Stainless Steel Facial Tissue Dispenser (Gamco 355)	80.34	24.97
<b>10 28 13 13-0096 Sanitary Toilet Seat Cover Dispensers (10 28 13 13-0002)</b>					
10 28 13	13-0097	EA	Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Sanitary Seat-Cover Dispenser (Bobrick Matrix B-5221)	65.90	24.97
10 28 13	13-0098	EA	Surface Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Classic B-221)	86.57	24.97
10 28 13	13-0099	EA	Surface Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Contura B-4221)	151.71	24.97
10 28 13	13-0100	EA	Recessed Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Classic B-301)	159.94	24.97
10 28 13	13-0101	EA	Recessed Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick TrimLine B-3013)	311.41	24.97
<b>10 28 13 13-0102 Sanitary Toilet Seat Cover/Toilet Tissue Dispensers (10 28 13 13-0002)</b>					
10 28 13	13-0103	EA	Surface Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick Classic B-3479)	493.49	24.97
10 28 13	13-0104	EA	Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-34745)	302.45	24.97
<b>10 28 13 13-0105 Sanitary Napkin/Tampon Dispensers (10 28 13 13-0002)</b>					
10 28 13	13-0106	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bobrick B-370639C)	608.48	24.97
10 28 13	13-0107	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Gamco B-282 25)	463.55	24.97
10 28 13	13-0108	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vending (Bobrick B-2706)	616.46	24.97
10 28 13	13-0109	EA	Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bobrick Classic B-352 25)	468.12	24.97
10 28 13	13-0110	EA	Recessed Mounted, Single Coin Operation, Stainless Steel, Sanitary Napkin/Tampon Vendor (Gamco NV-2-4 )	412.06	24.97
10 28 13	13-0111	EA	Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bradley 401-45)	466.54	24.97
<b>10 28 13 13-0112 Toilet Compartment Combination Dispenser/Disposals (10 28 13 13-0002)</b>					
10 28 13	13-0113	EA	Side Wall Recessed Mounted, Stainless Steel Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3094)	434.44	55.50
10 28 13	13-0114	EA	Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-3474)	484.30	55.50
10 28 13	13-0115	EA	Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-35745)	402.74	55.50
10 28 13	13-0116	EA	Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3574)	564.37	55.50
10 28 13	13-0117	EA	Partition Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-347)	579.79	55.50
10 28 13	13-0118	EA	Partition Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-357)	665.87	55.50
10 28 13	13-0119	EA	Surface Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3579)	624.70	55.50
<b>10 28 13 13-0120 Receptacles (10 28 13 13-0001)</b>					
<b>10 28 13 13-0121 Wall Mounted Waste Receptacles (10 28 13 13-0120)</b>					
10 28 13	13-0122	EA	1-1/2 Gallon, Surface Mounted, Stainless Steel Facial Tissue Waste Receptacle (Gamco WR-3)	98.30	24.97
10 28 13	13-0123	EA	6.4 Gallon, Surface Mounted, Stainless Steel Waste Receptacle (Bobrick B-279)	161.12	24.97
10 28 13	13-0124	EA	12 Gallon, 4" Wall Recess, Stainless Steel Waste Receptacle (Bobrick Classic B-3644)	372.08	55.50
10 28 13	13-0125	EA	12 Gallon, 4" Wall Recess, Stainless Steel Waste Receptacle (Bobrick Contura B-43644)	548.93	55.50
10 28 13	13-0126	EA	20 Gallon, Surface Mounted, Stainless Steel Waste Receptacle (Bobrick B-275)	436.18	55.50
<b>10 28 13 13-0127 Floor-Standing/Counter Waste Receptacles (10 28 13 13-0120)</b>					
10 28 13	13-0128	EA	5-7/8" Inside Diameter, 3-7/8" Deep, Countertop-Mounted, Stainless Steel Waste Chute (Bobrick B-532)	115.47	24.97
10 28 13	13-0129	EA	5-7/16" Inside Diameter, 5" Deep, Countertop-Mounted, Stainless Steel Waste Chute (Bobrick B-529)	164.00	24.97
10 28 13	13-0130	EA	13 Gallon, Open Top, Stainless Steel Floor Standing Waste Receptacle (Bobrick B-2260)	308.03	11.10
10 28 13	13-0131	EA	13 Gallon, Swing-Top, Stainless Steel Floor-Standing Waste Receptacle (Bobrick B-2250)	465.53	11.10
10 28 13	13-0132	EA	18 Gallon, Open Top, Stainless Steel Floor-Standing Waste Receptacle (Bobrick B-2300)	436.18	11.10
10 28 13	13-0133	EA	21 Gallon, Open Top, Stainless Steel Floor Standing Waste Receptacle (Bobrick B-2280)	419.48	11.10
<b>10 28 13 13-0134 Combination Paper Towel Dispenser/ Waste Receptacle (10 28 13 13-0120)</b>					
10 28 13	13-0135	EA	2 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-369)	309.30	55.50
10 28 13	13-0136	EA	2.6 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Contura B-4369)	493.20	55.50
10 28 13	13-0137	EA	2 Gallon, Recess Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3944)	485.88	55.50
10 28 13	13-0138	EA	12 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3900)	703.15	55.50

			MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
			10 28 13 13-0139 EA 12 Gallon, Semi-Recess Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3909) .....		965.47	55.50
			10 28 13 13-0140 EA 12 Gallon, Recessed Mounted, Stainless Steel Combination Roll Towel Dispenser/Waste Receptacle (Bobrick Classic B-3961) .....		817.08	55.50
			10 28 13 13-0141 EA 12 Gallon, Surface Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3949) .....		631.36	55.50
			10 28 13 13-0142 EA 12 Gallon, Surface Mounted, Stainless Steel Combination Roll Towel Dispenser/Waste Receptacle (Bobrick Classic B-39619) .....		1,018.52	55.50
			10 28 13 13-0143 EA 16 Gallon, Semi-Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Contura B-43944) .....		943.03	61.05
			10 28 13 13-0144 EA 18 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3947) .....		636.42	61.05
<b>10 28 13 13-0145</b>			<b>Sanitary Napkin/Tampon Receptacles</b> <small>(10 28 13 13-0120)</small>			
			10 28 13 13-0146 EA Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Contura B-270) .....		91.34	27.75
			10 28 13 13-0147 EA Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-254) .....		177.63	27.75
			10 28 13 13-0148 EA Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-353) .....		192.85	27.75
			10 28 13 13-0149 EA Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-35303) .....		444.51	27.75
			10 28 13 13-0150 EA Partition Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-354) .....		237.84	27.75
			10 28 13 13-0151 EA Partition Mounted, Stainless Steel Sanitary Napkin Disposal (Bobrick Contura B-4354) .....		413.39	27.75
<b>10 28 13 13-0152</b>			<b>Grab Bars</b> <small>(10 28 13 13-0001)</small>			
<b>10 28 13 13-0153</b>			<b>1-1/4" Diameter, Stainless Steel Grab Bars</b> <small>(10 28 13 13-0152)</small>			
			Note: Includes satin finish and concealed mounting with snap flange.			
			10 28 13 13-0154 EA 12" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Gamco 125sx12) .....		89.70	22.19
			For Peened Grip, Add		4.58	
			10 28 13 13-0155 EA 18" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x18) .....		102.70	22.19
			For Peened Grip, Add		5.75	
			10 28 13 13-0156 EA 24" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x24) .....		104.01	22.19
			For Peened Grip, Add		5.86	
			10 28 13 13-0157 EA 30" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x30) .....		104.62	22.19
			For Peened Grip, Add		5.92	
			10 28 13 13-0158 EA 36" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x36) .....		104.78	22.19
			For Peened Grip, Add		5.93	
			10 28 13 13-0159 EA 42" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x42) .....		107.93	22.19
			For Peened Grip, Add		6.22	
			10 28 13 13-0160 EA 48" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x48) .....		112.89	22.19
			For Peened Grip, Add		6.66	
			10 28 13 13-0161 EA 36" Length, 1-1/4" Diameter, Straight, Satin Finish, Stainless Steel Grab Bar With Closure Plate (Global Industrial WG641275) .....		104.97	19.84
			10 28 13 13-0162 EA 42" Length, 1-1/4" Diameter, Straight, Satin Finish, Stainless Steel Grab Bar With Closure Plate (Global Industrial WG641277) .....		107.57	19.84
<b>10 28 13 13-0163</b>			<b>1-1/4" Diameter, Two Wall, Stainless Steel Grab Bars</b> <small>(10 28 13 13-0152)</small>			
			Note: Includes satin finish and concealed mounting with snap flange.			
			10 28 13 13-0164 EA 24" x 36", Two Wall, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-58616) .....		170.77	22.19
			For Peened Grip, Add		11.37	
			10 28 13 13-0165 EA 36" x 54", Two Wall, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5837) .....		174.17	22.19
			For Peened Grip, Add		11.68	
<b>10 28 13 13-0166</b>			<b>1-1/2" Diameter, Stainless Steel Grab Bars</b> <small>(10 28 13 13-0152)</small>			
			Note: Includes satin finish and concealed mounting with snap flange.			
			10 28 13 13-0167 EA 12" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x12) .....		101.61	22.19
			For Peened Grip, Add		5.65	
			10 28 13 13-0168 EA 18" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x18) .....		102.70	22.19
			For Peened Grip, Add		5.75	
			10 28 13 13-0169 EA 24" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x24) .....		104.78	22.19
			For Peened Grip, Add		5.93	
			10 28 13 13-0170 EA 30" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x30) .....		106.88	22.19
			For Peened Grip, Add		6.12	
			10 28 13 13-0171 EA 36" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x36) .....		109.50	22.19
			For Peened Grip, Add		6.36	
			10 28 13 13-0172 EA 42" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x42) .....		111.85	22.19
			For Peened Grip, Add		6.57	
			10 28 13 13-0173 EA 48" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x48) .....		117.60	22.19
			For Peened Grip, Add		7.09	
			10 28 13 13-0174 EA 36" Length, 1-1/2" Diameter, Straight, Satin Finish, Stainless Steel Grab Bar With Closure Plate (Global Industrial WG641279) .....		108.22	19.84
<b>10 28 13 13-0175</b>			<b>1-1/2" Diameter, Two Wall, Stainless Steel Grab Bars</b> <small>(10 28 13 13-0152)</small>			
			Note: Includes satin finish and concealed mounting with snap flange.			
			10 28 13 13-0176 EA 16" x 31", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6861) .....		156.63	22.19
			For Peened Grip, Add		10.10	
			10 28 13 13-0177 EA 24" x 36", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-68616) .....		167.90	22.19
			For Peened Grip, Add		11.12	
			10 28 13 13-0178 EA 36" x 54", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-68137) .....		146.70	22.19
			For Peened Grip, Add		9.21	
<b>10 28 13 13-0179</b>			<b>1-1/4" Diameter, Stainless Steel Swing Up Grab Bars</b> <small>(10 28 13 13-0152)</small>			
			Note: Includes satin finish and mounting for swing up.			

**10 Specialties****10 20 Interior Specialties****10 28 Toilet, Bath, and Laundry Accessories**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
10 28 13 13-0180	EA	29" Length, 1-1/4" Diameter, Stainless Steel Swing Up Grab Bar (Bobrick B-4998) <i>For Peened Grip, Add</i>	448.02 36.83	22.19
<b>10 28 13 13-0181</b>		<b>Shelves</b> <small>(10 28 13 13-0001)</small>		
10 28 13 13-0182	EA	5" Width x 16" Length, Stainless Steel Shelf (Bobrick B-295)	117.17	24.97
10 28 13 13-0183	EA	5" Width x 18" Length, Stainless Steel Shelf (Bobrick B-295)	120.32	24.97
10 28 13 13-0184	EA	5" Width x 24" Length, Stainless Steel Shelf (Bobrick B-295)	134.70	24.97
10 28 13 13-0185	EA	5" Width x 36" Length, Stainless Steel Shelf (Gamco S-5x36)	138.32	24.97
10 28 13 13-0186	EA	6" Width x 18" Length, Stainless Steel Shelf (Bobrick B-296)	132.62	24.97
10 28 13 13-0187	EA	6" Width x 24" Length, Stainless Steel Shelf (Gamco S-6x24)	134.33	24.97
10 28 13 13-0188	EA	8" Width x 18" Length, Stainless Steel Shelf (Bobrick B-298)	142.81	24.97
10 28 13 13-0189	EA	8" Width x 24" Length, Stainless Steel Shelf (Bobrick B-298)	155.10	24.97
10 28 13 13-0190	EA	8" Width x 36" Length, Stainless Steel Shelf (Gamco S-8x36)	181.09	24.97
10 28 13 13-0191	EA	5-3/4" Width x 14-1/2" Length, Folding Stainless Steel Utility Shelf (Bobrick B-287)	143.07	24.97
10 28 13 13-0192	EA	4-3/4" Width x 24" Length, Stainless Steel Toiletry Shelf (Bobrick B-683)	145.69	24.97
10 28 13 13-0193	EA	12" Width x 24" Length, Stainless Steel Shelf (Bradley 7512-24)	418.94	24.97
10 28 13 13-0194	EA	12" Width x 30" Length, Stainless Steel Shelf (Bradley 7512-30)	451.19	24.97
10 28 13 13-0195	EA	12" Width x 36" Length, Stainless Steel Shelf (Bradley 7512-36)	500.94	24.97
10 28 13 13-0196	EA	12" Width x 48" Length, Stainless Steel Shelf (Bradley 7512-48)	636.33	24.97
10 28 13 13-0197	EA	12" Width x 60" Length, Stainless Steel Shelf (Bradley 7512-60)	882.97	24.97
10 28 13 13-0198	EA	4-1/4" Width x 16-1/2" Length x 6-1/2" Height, Recessed Stainless Steel Shelf (American Specialties 0412)	328.54	24.97
<b>10 28 13 13-0199</b>		<b>Changing Stations</b> <small>(10 28 13 13-0001)</small>		
10 28 13 13-0200	EA	Horizontal, Wall-Mounted, Polyethylene Baby Changing Station (Gamco BCS-1)	429.91	33.30
10 28 13 13-0201	EA	Vertical, Wall-Mounted, Polyethylene Baby Changing Station (Bobrick Koala Care KB101-00)	455.17	33.30
10 28 13 13-0202	EA	Horizontal, Wall-Mounted, Polypropylene Baby Changing Station (Bobrick Koala Care KB200-00)	376.95	33.30
10 28 13 13-0203	EA	Horizontal, Recessed Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB110-SSRE)	1,803.94	33.30
10 28 13 13-0204	EA	Horizontal, Wall-Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB110-SSWM)	2,102.97	33.30
10 28 13 13-0205	EA	Vertical, Recessed Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB111-SSRE)	1,803.94	33.30
10 28 13 13-0206	EA	Vertical, Wall-Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB111-SSWM)	2,102.97	33.30
<b>10 28 13 13-0207</b>		<b>Folding Shower Seats</b> <small>(10 28 13 13-0001)</small>		
10 28 13 13-0208	EA	33" Width, Wall-Mounted, Reversible, Folding, Stainless Steel Hardware, Solid Phenolic Shower Seat (Bobrick B-5181)	541.38	44.40
10 28 13 13-0209	EA	33" Width, Wall-Mounted, Foam Padded, Naugahyde® Folding Shower Seat (Bobrick B-517/518)	706.20	44.40
10 28 13 13-0210	EA	30" Width, Wall-Mounted, Teakwood Folding Shower Seat	1,889.17	44.40
10 28 13 13-0211	EA	33-1/2" Width, Wall-Mounted, Stainless Steel, Americans With Disabilities Act Compliant Folding Shower Seat, (Acorn Shower-Ware 1103-31/1103-32)	3,056.19	
<b>10 28 13 13-0212</b>		<b>Soap/Dish Holders</b> <small>(10 28 13 13-0001)</small>		
10 28 13 13-0213	EA	Surface Mounted, Stainless Steel Toothbrush and Tumbler Holder (Gamco 7679)	61.26	24.97
10 28 13 13-0214	EA	Surface Mounted, Stainless Steel Soap Dish (Gamco 7680)	63.09	24.97
10 28 13 13-0215	EA	Recessed Mounted, Stainless Steel Soap Dish (Bobrick B-4380)	109.45	24.97
10 28 13 13-0216	EA	Recessed Mounted, Stainless Steel Soap Dish And Bar (Bobrick B-4390)	118.60	24.97
<b>10 28 13 13-0217</b>		<b>Shower Curtains/Curtain Rods</b> <small>(10 28 13 13-0001)</small>		
10 28 13 13-0218	EA	Stainless Steel Shower Curtain Hook (Bobrick B-204-1)	3.03	1.11
10 28 13 13-0219	EA	42" Width x 72" Height, Vinyl Shower Curtain (Bobrick B-204-2) Note: Requires 7 curtain hooks.	48.62	11.10
10 28 13 13-0220	EA	70" Width x 72" Height, Vinyl Shower Curtain (Bobrick B-204-3) Note: Requires 12 curtain hooks.	50.85	11.10
10 28 13 13-0221	EA	36" Length, 20 Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	86.82	24.97
10 28 13 13-0222	EA	48" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	92.59	24.97
10 28 13 13-0223	EA	60" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	99.65	24.97
10 28 13 13-0224	EA	72" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	108.28	24.97
10 28 13 13-0225	EA	36" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x36)	76.89	24.97
10 28 13 13-0226	EA	48" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x48)	83.69	24.97
10 28 13 13-0227	EA	60" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x60)	87.61	24.97
10 28 13 13-0228	EA	72" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x72)	92.59	24.97
10 28 13 13-0229	EA	36" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	79.77	24.97
10 28 13 13-0230	EA	48" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	85.52	24.97
10 28 13 13-0231	EA	60" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	92.32	24.97
10 28 13 13-0232	EA	72" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	97.03	24.97
<b>10 28 13 13-0233</b>		<b>Hand Dryers</b> <small>(10 28 13 13-0001)</small>		
10 28 13 13-0234	EA	Surface Mounted, Automatic Sensor, One Piece Plastic Cover Hand Dryer (Bobrick CompacDryer B-710)	490.71	27.15
10 28 13 13-0235	EA	Surface Mounted, Automatic Sensor, Cast Aluminum Cover Hand Dryer (Bobrick B-7120-115V)	529.15	27.15
10 28 13 13-0236	EA	Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Bobrick B-7128 230V)	587.24	27.15
10 28 13 13-0237	EA	Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Bobrick B-750-115/230)	835.19	27.15
10 28 13 13-0238	EA	Surface Mounted, Touch-Button, Cast-Iron Cover Hand Dryer (World Dryer A)	1,299.52	27.15
10 28 13 13-0239	EA	Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (World Dryer A)	1,466.79	27.15
10 28 13 13-0240	EA	Surface Mounted, Touch-Button, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60)	2,088.85	27.15
10 28 13 13-0241	EA	Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60T)	2,175.27	27.15
10 28 13 13-0242	EA	Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60TR)	2,267.45	27.15
10 28 13 13-0243	EA	Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Excel Xlerator XL-GR)	1,688.75	27.15
10 28 13 13-0244	EA	Surface Mounted, Automatic Sensor, Acrylonitrile Butadiene Styrene (ABS) Polycarbonate Cover Hand Dryer (Dyson Airblade AB12)	1,426.78	27.15
10 28 13 13-0245	EA	Surface Mounted, Automatic Sensor, Acrylonitrile Butadiene Styrene (ABS) Polycarbonate Cover Hand Dryer (Dyson Airblade AB14)	2,393.26	27.15

	<b>Specialties</b>	<b>10</b>
	<b>Interior Specialties</b>	<b>10 20</b>
	<b>Toilet, Bath, and Laundry Accessories</b>	<b>10 28</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0246	EA		Surface Mounted, Automatic Sensor, White ABS Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9) .....1,056.13	1,056.13	27.15
Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.					
10 28 13 13-0247	EA		Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-M) .....1,114.71	1,114.71	27.15
Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.					
10 28 13 13-0248	EA		Surface Mounted, Automatic Sensor, Black Graphite Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-BG) .....1,148.18	1,148.18	27.15
Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.					
10 28 13 13-0249	EA		Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-C) .....1,181.65	1,181.65	27.15
Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.					
10 28 13 13-0250	EA		Surface Mounted, Automatic Sensor, Stainless Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-SS) .....1,248.59	1,248.59	27.15
Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.					
10 28 13 13-0251	EA		Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9) .....855.31	855.31	27.15
Note: Electronically adjustable sound and speed.					
10 28 13 13-0252	EA		Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-M) .....913.89	913.89	27.15
Note: Electronically adjustable sound and speed.					
10 28 13 13-0253	EA		Surface Mounted, Automatic Sensor, Black Graphite Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-BG) .....947.36	947.36	27.15
Note: Electronically adjustable sound and speed.					
10 28 13 13-0254	EA		Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-C) .....980.83	980.83	27.15
Note: Electronically adjustable sound and speed.					
10 28 13 13-0255	EA		Surface Mounted, Automatic Sensor, Stainless Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-SS) .....1,047.77	1,047.77	27.15
Note: Electronically adjustable sound and speed.					
10 28 13 13-0256	EA		Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7) .....855.31	855.31	27.15
Note: Electronically adjustable sound and speed.					
10 28 13 13-0257	EA		Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-M) .....913.89	913.89	27.15
Note: Electronically adjustable sound and speed.					
10 28 13 13-0258	EA		Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-BG) .....947.36	947.36	27.15
Note: Electronically adjustable sound and speed.					
10 28 13 13-0259	EA		Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-C) .....980.83	980.83	27.15
Note: Electronically adjustable sound and speed.					
10 28 13 13-0260	EA		Surface Mounted, Stainless Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-SS) .....1,047.77	1,047.77	27.15
Note: Electronically adjustable sound and speed.					
10 28 13 13-0261	EA		Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90) .....621.03	621.03	27.15
10 28 13 13-0262	EA		Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-M) .....679.60	679.60	27.15
10 28 13 13-0263	EA		Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-BG) .....713.07	713.07	27.15
10 28 13 13-0264	EA		Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-C) .....746.54	746.54	27.15
10 28 13 13-0265	EA		Surface Mounted, Stainless Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-SS) .....813.48	813.48	27.15
10 28 13 13-0266	EA		Surface Mounted, Automatic Sensor, White ABS Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90H) .....621.03	621.03	27.15
10 28 13 13-0267	EA		Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-MH) .....679.60	679.60	27.15
10 28 13 13-0268	EA		Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-BGH) .....713.07	713.07	27.15
10 28 13 13-0269	EA		Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-CH) .....746.54	746.54	27.15
10 28 13 13-0270	EA		Surface Mounted, Automatic Sensor, Stainless Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-SSH) .....813.48	813.48	27.15
10 28 13 13-0271	EA		Surface Mounted, Automatic Sensor, ABS Cover, Hand Dryer (American Dryer GX1) .....453.67	453.67	27.15
10 28 13 13-0272	EA		Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Hand Dryer (American Dryer GX1-M) .....512.25	512.25	27.15
10 28 13 13-0273	EA		Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Hand Dryer (American Dryer GX1-C) .....579.19	579.19	27.15
10 28 13 13-0274			<b>Hand Dryers (Excel XLERATOR®)</b> (10 28 13 13-0001)		
Note: With or without noise reduction nozzle options.					
10 28 13 13-0275	EA		Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-W) .....878.23	878.23	27.15
				For ADA-Compliant Recess Kit, Add	166.71
10 28 13 13-0276	EA		Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-WH) .....1,233.06	1,233.06	27.15
				For ADA-Compliant Recess Kit, Add	166.71
10 28 13 13-0277	EA		Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-GR) .....1,028.90	1,028.90	27.15
				For ADA-Compliant Recess Kit, Add	166.71
10 28 13 13-0278	EA		Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel Xlerator XL-GRH) .....1,284.10	1,284.10	27.15
				For ADA-Compliant Recess Kit, Add	166.71
10 28 13 13-0279	EA		Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-C) .....1,105.46	1,105.46	27.15
				For ADA-Compliant Recess Kit, Add	166.71
10 28 13 13-0280	EA		Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-CH) .....1,360.66	1,360.66	27.15
				For ADA-Compliant Recess Kit, Add	166.71

10 Specialties

10 20 Interior Specialties

10 28 Toilet, Bath, and Laundry Accessories

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0281	EA		Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, Hand Dryer (Excel XLERATOR® XL-SB).....	1,105.46	27.15
			<i>For ADA-Compliant Recess Kit, Add</i>	166.71	
10 28 13 13-0282	EA		Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-SBH).....	1,360.66	27.15
			<i>For ADA-Compliant Recess Kit, Add</i>	166.71	
10 28 13 13-0283	EA		Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-SP).....	1,028.90	27.15
			<i>For ADA-Compliant Recess Kit, Add</i>	166.71	
10 28 13 13-0284	EA		Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-SPH).....	1,284.10	27.15
			<i>For ADA-Compliant Recess Kit, Add</i>	166.71	
10 28 13 13-0285	EA		Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), Hand Dryer (Excel XLERATOR® XL-BW).....	926.82	27.15
			<i>For ADA-Compliant Recess Kit, Add</i>	166.71	
10 28 13 13-0286	EA		Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-BWH).....	1,182.02	27.15
			<i>For ADA-Compliant Recess Kit, Add</i>	166.71	
10 28 13 13-0287	EA		Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATORReco® XL-W-ECO).....	878.23	27.15
			<i>For ADA-Compliant Recess Kit, Add</i>	166.71	
10 28 13 13-0288	EA		Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATORReco® XL-WH-ECO).....	1,233.06	27.15
			<i>For ADA-Compliant Recess Kit, Add</i>	166.71	
10 28 13 13-0289	EA		Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATORReco® XL-GR-ECO).....	1,028.90	27.15
			<i>For ADA-Compliant Recess Kit, Add</i>	166.71	
10 28 13 13-0290	EA		Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATORReco® XL-GRH-ECO).....	1,284.10	27.15
			<i>For ADA-Compliant Recess Kit, Add</i>	166.71	
10 28 13 13-0291	EA		Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATORReco® XL-C-ECO).....	1,105.46	27.15
			<i>For ADA-Compliant Recess Kit, Add</i>	166.71	
10 28 13 13-0292	EA		Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATORReco® XL-CH-ECO).....	1,360.66	27.15
			<i>For ADA-Compliant Recess Kit, Add</i>	166.71	
10 28 13 13-0293	EA		Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, No Heat Hand Dryer (Excel XLERATORReco® XL-SB-ECO).....	1,105.46	27.15
			<i>For ADA-Compliant Recess Kit, Add</i>	166.71	
10 28 13 13-0294	EA		Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATORReco® XL-SBH-ECO).....	1,360.66	27.15
			<i>For ADA-Compliant Recess Kit, Add</i>	166.71	
10 28 13 13-0295	EA		Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATORReco® XL-SP-ECO).....	1,028.90	27.15
			<i>For ADA-Compliant Recess Kit, Add</i>	166.71	
10 28 13 13-0296	EA		Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATORReco® XL-SPH-ECO).....	1,284.10	27.15
			<i>For ADA-Compliant Recess Kit, Add</i>	166.71	
10 28 13 13-0297	EA		Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), No Heat Hand Dryer (Excel XLERATORReco® XL-BW-ECO).....	926.82	27.15
			<i>For ADA-Compliant Recess Kit, Add</i>	166.71	
10 28 13 13-0298	EA		Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATORReco® XL-BWH-ECO).....	1,182.02	27.15
			<i>For ADA-Compliant Recess Kit, Add</i>	166.71	
10 28 13 13-0299			<b>Additional Accessories</b> (10 28 13 13-0001)		
10 28 13 13-0300			<b>Hooks</b> (10 28 13 13-0299)		
10 28 13 13-0301	EA		Stainless Steel Clothes Hook And Bumper (Bobrick B-212).....	30.83	11.10
10 28 13 13-0302	EA		Single Stainless Steel Robe Hook (Bobrick B-233).....	36.58	11.10
10 28 13 13-0303	EA		Single Stainless Steel Robe Hook (Bobrick B-7671).....	31.35	11.10
10 28 13 13-0304	EA		Double Stainless Steel Robe Hook (Bobrick B-7672).....	33.92	11.10
10 28 13 13-0305	EA		Double Stainless Steel Robe Hook (Bobrick B-672 or B-6727).....	55.41	11.10
10 28 13 13-0306	EA		Single Stainless Steel Robe Hook (Bobrick B-6717).....	50.18	11.10
10 28 13 13-0307			<b>Clotheslines</b> (10 28 13 13-0299)		
10 28 13 13-0308	EA		Surface Mounted, Stainless Steel Retractable Clothesline (Gamco 7636).....	53.90	22.19
10 28 13 13-0309			<b>Towel Bars</b> (10 28 13 13-0299)		
10 28 13 13-0310	EA		18" Length, 3/4" Square, Stainless Steel Towel Bar (Gamco 7673x18).....	66.54	24.97
10 28 13 13-0311	EA		24" Length, 3/4" Square, Stainless Steel Towel Bar (Gamco 7673x24).....	66.74	24.97
10 28 13 13-0312	EA		18" Length, 3/4" Diameter, Stainless Steel Towel Bar (Gamco 7674x18).....	74.42	24.97
10 28 13 13-0313	EA		24" Length, 3/4" Diameter, Stainless Steel Towel Bar (Gamco 7674x24).....	75.15	24.97
10 28 13 13-0314	EA		18" Length, 3/4" Square, Stainless Steel Towel Bar (Bobrick B-673).....	108.80	24.97
10 28 13 13-0315	EA		24" Length, 3/4" Square, Stainless Steel Towel Bar (Bobrick B-673).....	113.25	24.97
10 28 13 13-0316	EA		18" Length, 3/4" Diameter, Stainless Steel Towel Bar (Bobrick B-674).....	112.21	24.97
10 28 13 13-0317	EA		24" Length, 3/4" Diameter, Stainless Steel Towel Bar (Bobrick B-674).....	115.86	24.97
10 28 13 13-0318	EA		18" Length, 1" Diameter, Heavy-Duty, Stainless Steel Towel Bar (Bobrick B-205).....	122.41	24.97
10 28 13 13-0319	EA		24" Length, 1" Diameter, Heavy-Duty, Stainless Steel Towel Bar (Bobrick B-205).....	126.30	24.97
10 28 13 13-0320	EA		18" Length, 1" Diameter, Extra-Heavy-Duty, Stainless Steel Towel Bar/Grab Bar (Bobrick B-530).....	93.90	24.97
10 28 13 13-0321	EA		24" Length, 1" Diameter, Extra-Heavy-Duty, Stainless Steel Towel Bar/Grab Bar (Bobrick B-530).....	97.29	24.97
10 28 13 13-0322			<b>Towel Bar With Shelf</b> (10 28 13 13-0299)		
10 28 13 13-0323	EA		24" Length, Stainless Steel Towel Shelf With Towel Bar (Bobrick B-676).....	208.21	24.97

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>10 28 13 13-0324 Towel Pins <small>(10 28 13 13-0299)</small></b>		
10 28 13 13-0325 EA Stainless Steel Towel Pin (Bobrick B-677).....	53.58	11.10
<b>10 28 13 13-0326 Mirrors <small>(10 28 13 13)</small></b>		
<b>10 28 13 13-0327 Stainless Steel Channel Frame Glass Mirrors <small>(10 28 13 13-0326)</small></b>		
10 28 13 13-0328 EA 16" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-16x24) .....	112.25	27.75
10 28 13 13-0329 EA 18" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1824).....	126.53	27.75
10 28 13 13-0330 EA 18" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1830).....	131.47	27.75
For Tempered Glass (B-1658), Add	41.52	
10 28 13 13-0331 EA 18" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1836).....	141.61	27.75
For Tempered Glass (B-1658), Add	48.62	
10 28 13 13-0332 EA 24" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2430).....	154.62	27.75
10 28 13 13-0333 EA 24" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2436).....	160.09	27.75
For Tempered Glass (B-1658), Add	61.56	
10 28 13 13-0334 EA 24" x 48", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2448).....	195.99	27.75
10 28 13 13-0335 EA 24" x 60", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2460).....	225.39	27.75
10 28 13 13-0336 EA 36" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-36x36) .....	270.33	27.75
10 28 13 13-0337 EA 48" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 4836).....	338.57	27.75
10 28 13 13-0338 EA 60" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-60x36) .....	380.03	27.75
<b>10 28 13 13-0339 Stainless Steel Channel Frame Glass Mirror/Shelf Combination <small>(10 28 13 13-0326)</small></b>		
10 28 13 13-0340 EA 18" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1824) .....	202.75	27.75
10 28 13 13-0341 EA 18" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1830).....	218.10	27.75
10 28 13 13-0342 EA 18" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1836).....	228.25	27.75
10 28 13 13-0343 EA 24" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 2436).....	256.87	27.75
<b>10 28 13 13-0344 Stainless Steel Angle Frame Glass Mirrors <small>(10 28 13 13-0326)</small></b>		
10 28 13 13-0345 EA 18" x 24", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1824) .....	181.13	27.75
10 28 13 13-0346 EA 18" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1830).....	198.07	27.75
For Tempered Glass (B-2908), Add	83.11	
10 28 13 13-0347 EA 18" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1836) .....	203.79	27.75
For Tempered Glass (B-2908), Add	86.88	
10 28 13 13-0348 EA 24" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2430) .....	237.62	27.75
10 28 13 13-0349 EA 24" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2436).....	238.92	27.75
For Tempered Glass (B-2908), Add	110.07	
10 28 13 13-0350 EA 24" x 48", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2448) .....	317.23	27.75
10 28 13 13-0351 EA 24" x 60", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2460).....	371.86	27.75
10 28 13 13-0352 EA 24" x 72", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2472).....	422.86	27.75
10 28 13 13-0353 EA 36" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-36x36) .....	283.98	27.75
10 28 13 13-0354 EA 48" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-48x36) .....	344.78	27.75
10 28 13 13-0355 EA 72" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-72x36) .....	524.61	27.75
<b>10 28 13 13-0356 Stainless Steel Angle Frame Glass Mirror/Shelf Combination <small>(10 28 13 13-0326)</small></b>		
10 28 13 13-0357 EA 18" x 24", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Gamco AS-18x24) .....	187.06	27.75
10 28 13 13-0358 EA 18" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-1830).....	362.76	27.75
10 28 13 13-0359 EA 18" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-1836).....	379.94	27.75
10 28 13 13-0360 EA 24" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-2436).....	422.86	27.75
<b>10 28 13 13-0361 Frameless Stainless Steel Mirrors <small>(10 28 13 13-0326)</small></b>		
10 28 13 13-0362 EA 17-1/2" x 29-1/2", Frameless Stainless Steel Mirror (Bobrick B-1556 1830).....	202.24	27.75
10 28 13 13-0363 EA 23-1/2" x 35-1/2", Frameless Stainless Steel Mirror (Bobrick B-1556 2436).....	259.72	27.75
<b>10 28 13 13-0364 Fixed-Position Tilt, Stainless Steel Frame Glass Mirrors <small>(10 28 13 13-0326)</small></b>		
10 28 13 13-0365 EA 16" x 30", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1630).....	272.74	27.75
10 28 13 13-0366 EA 18" x 30", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1830).....	283.93	27.75
10 28 13 13-0367 EA 18" x 36", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1836).....	342.47	27.75
10 28 13 13-0368 EA 24" x 36", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 2436).....	419.74	27.75
<b>10 28 13 13-0369 Medicine Cabinets <small>(10 28 13 13)</small></b>		
<b>10 28 13 13-0370 Metal Medicine Cabinets <small>(10 28 13 13-0369)</small></b>		
10 28 13 13-0371 EA 20" x 26", Surface Mounted, Aluminum Medicine Cabinet (Kohler K-CB) .....	750.93	55.50
10 28 13 13-0372 EA 15-1/2" x 25-7/8", Recessed Mounted, All-Steel Medicine Cabinet (Bobrick B-397).....	243.25	55.50
Note: Includes three adjustable plastic shelves.		
10 28 13 13-0373 EA 14-1/8" x 20-1/4", Surface Mounted, All-Steel Medicine Cabinet (Bobrick B-297) .....	250.69	55.50
Note: Includes two fixed shelves with baked white enamel finish.		
10 28 13 13-0374 EA 15-1/4" x 25-1/2", Recessed Mounted, Stainless Steel Medicine Cabinet (Bobrick B-398) .....	534.54	55.50
Note: Includes four adjustable stainless steel shelves.		
10 28 13 13-0375 EA 17" x 26-7/8", Surface Mounted, Stainless Steel Medicine Cabinet (Bobrick B-299).....	729.44	55.50
Note: Includes four adjustable shelves.		

10 Specialties

10 20 Interior Specialties

10 28 Toilet, Bath, and Laundry Accessories



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

**10 28 13 13-0376 Janitorial Material** (10 28 13 13)

10 28 13 13-0377	EA	Stainless Steel Pail And Ladder Utility Hook (Bobrick B-670)	50.18	11.10
10 28 13 13-0378	EA	24" Length, Stainless Steel Utility Hook Strip (Bobrick B-232x24)	129.99	24.97
10 28 13 13-0379	EA	24" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Bobrick B-223x24)	125.29	24.97
10 28 13 13-0380	EA	30" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Gamco MS-1)	141.86	24.97
10 28 13 13-0381	EA	36" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Bobrick B-223x36)	158.25	24.97
10 28 13 13-0382	EA	36" Length, Utility Hook Strip (Gamco HCS-2)	106.89	24.97
10 28 13 13-0383	EA	36" Length, Stainless Steel Custodian Utility Shelf With Mop And Broom Holders And Rag Hooks (Bobrick B-224x36)	290.62	24.97
10 28 13 13-0384	EA	34" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder With Shelf And Rag Hooks (Bobrick B-239x34)	416.99	24.97

**10 28 13 13-0385 Removal And Reinstallation Of Bathroom Accessories** (10 28 13 13)  
Note: Includes storage, cleaning and supply materials.

10 28 13 13-0386	EA	Removal And Reinstallation Of Bathroom Accessory	34.69	
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**10 28 13 19 Healthcare Toilet Accessories** (10 28 13)

**10 28 13 19-0001 Healthcare Toilet Accessories** (10 28 13 19)

10 28 13 19-0002	EA	Surface Mounted, Stainless Steel Bedpan/Urinal Holder (Bradley BR-9905)	183.56	34.75
10 28 13 19-0003	EA	Recessed Mounted, Stainless Steel Bedpan Storage Cabinet (Bradley BR-990)	668.34	34.75
10 28 13 19-0004	EA	Stainless Steel Foot Operated Soap Dispenser (Bradley BR-6843)	229.58	92.46

**10 28 13 63 Detention Toilet Accessories** (10 28 13)

**10 28 13 63-0001 Ligature Resistant, Toilet Accessories** (10 28 13 63)

10 28 13 63-0002	EA	Recessed Mounted, White, Enviro-Glaze, Ligature Resistant, Toilet Paper Holder (Whitehall MFG WH1847)	689.18	90.68
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**10 28 13 63-0003 Ligature Resistant, Mirrors** (10 28 13 63)

10 28 13 63-0004	EA	16" Width x 26" Height, Framed, Ligature Resistant, Solid Surface Infused Mirror (Whitehall WH1815-OCC11)	507.27	19.84
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**10 28 13 63-0005 Ligature Resistant, Stainless Steel Grab Bar** (10 28 13 63)

10 28 13 63-0006	EA	18" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-001180)	168.47	22.19
10 28 13 63-0007	EA	24" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-001240)	175.78	22.19
10 28 13 63-0008	EA	36" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-001360)	180.64	22.19
10 28 13 63-0009	EA	42" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-001420)	199.29	22.19
10 28 13 63-0010	EA	60" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-002600)	397.32	22.19
10 28 13 63-0011	EA	36" Length, 1-1/2" Diameter, Ligature Resistant, Satin Finish, Stainless Steel Grab Bar with Closure Plate (Whitehall WH1109-4)	384.14	19.84

**10 28 16 Bath Accessories** (10 28)

**10 28 16 13 Residential Bath Accessories** (10 28 16)

**10 28 16 13-0001 Residential Toilet Accessories** (10 28 16 13)

**10 28 16 13-0002 Residential, Recessed, Chrome Plated Toilet Accessories** (10 28 16 13-0001)

10 28 16 13-0003	EA	Single Roll, Recessed Mounted, Chrome Plated Toilet Paper Holder	119.55	24.97
10 28 16 13-0004	EA	Recessed Mounted, Chrome Plated Soap Dish	176.22	24.97
10 28 16 13-0005	EA	Recessed Mounted, Chrome Plated Soap Dish And Bar	187.74	24.97
10 28 16 13-0006	EA	Recessed Mounted, Chrome Plated Tumbler Holder	124.43	24.97

**10 28 16 13-0007 Residential, Surface Mounted, Chrome Plated Toilet Accessories** (10 28 16 13-0001)

10 28 16 13-0008	EA	Surface Mounted, Chrome Plated Soap Dish	79.33	16.65
10 28 16 13-0009	EA	Surface Mounted, Chrome Plated Single Clothes Hook	92.18	16.65
10 28 16 13-0010	EA	Surface Mounted, Chrome Plated Double Clothes Hook	92.18	16.65
10 28 16 13-0011	LF	6" Deep, Surface Mounted, Glass Shelf With Chrome Plated Supports	192.35	16.65
10 28 16 13-0012	LF	6" Deep, Surface Mounted, Stainless Steel Shelf	160.02	16.65
10 28 16 13-0013	EA	18" Length, Surface Mounted, Chrome Plated Towel Bar	101.96	22.19
10 28 16 13-0014	EA	24" Length, Surface Mounted, Chrome Plated Towel Bar	103.40	22.19
10 28 16 13-0015	EA	Surface Mounted, Chrome Plated Towel Ring	76.17	16.65
10 28 16 13-0016	EA	Surface Mounted, Chrome Plated Tumbler And Toothbrush Holder	68.22	11.10
10 28 16 13-0017	EA	Single Roll, Surface Mounted, Chrome Plated Toilet Paper Holder	79.33	16.65
10 28 16 13-0018	EA	Two Roll, Surface Mounted, Chrome Plated Toilet Paper Holder	165.47	16.65
10 28 16 13-0019	EA	Surface Mounted, Chrome Plated Globe Soap Dispenser	96.62	16.65
10 28 16 13-0020	EA	Surface Mounted, Chrome Plated Towel Pin	102.44	11.10
10 28 16 13-0021	EA	Surface Mounted, Chrome Plated Towel Ladder And Shelf	320.47	16.65
10 28 16 13-0022	EA	Surface Mounted, Retractable Chrome Plated Bath/Shower Clothesline	153.71	16.65
10 28 16 13-0023	EA	24" Length, Cut To Size Towel Bar, Surface Mounted, Ceramic Base Towel Bar	81.40	16.65
10 28 16 13-0024	EA	Surface Mounted, Chrome, Double Standard Toilet Tissue Holder (Frost 150)	99.13	19.84
10 28 16 13-0025	EA	Surface Mounted, Chrome, Standard Toilet Tissue Holder (Frost 146)	93.61	19.84



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

10 28 16 13-0026 Residential Toilet Accessories (10 28 16 13-0001)					
10 28 16 13-0027	EA		Surface Mounted Plastic Paper Towel Dispenser.....	104.71	24.97
10 28 16 13-0028	EA		Surface Mounted Plastic Napkin Disposal.....	92.62	24.97
10 28 16 13-0029	EA		50 Fluid Ounce, Plastic Soap Dispenser For Soaps And Detergent.....	96.89	
10 28 16 13-0030	EA		50 Fluid Ounce, Plastic Soap Dispenser For Antibacterial Soaps.....	109.69	24.97
10 28 16 13-0031	EA		Multi Roll (2) Plastic Toilet Tissue Dispenser.....	104.75	24.97
10 28 16 13-0032	EA		Single Jumbo Roll Plastic Toilet Tissue Dispenser.....	128.34	30.52
10 28 16 13-0033	EA		Surface Mounted Plastic Toilet Seat Cover Dispenser.....	71.46	22.19
10 28 16 13-0034	EA		13 Gallon Plastic Waste Door For Countertops.....	246.84	41.62

10 28 16 13-0035 Residential Medicine Cabinets, Solid Oak (10 28 16 13-0001)					
Note: Surface or recessed mounted, premium quality.					
10 28 16 13-0036	EA		24" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror.....	719.66	55.50
10 28 16 13-0037	EA		24" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror.....	870.08	55.50
10 28 16 13-0038	EA		30" x 30" Unlighted, Solid Oak Medicine Cabinet With Mirror.....	767.17	55.50
10 28 16 13-0039	EA		30" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror.....	934.89	55.50
10 28 16 13-0040	EA		36" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror.....	797.14	55.50
10 28 16 13-0041	EA		36" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror.....	991.83	55.50
10 28 16 13-0042	EA		48" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror.....	838.28	55.50
10 28 16 13-0043	EA		48" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror.....	1,061.41	55.50

**10 28 19 Tub and Shower Enclosures (10 28)**

**10 28 19 16 Shower Doors (10 28 19)**

**10 28 19 16-0001 Swinging Shower Doors (10 28 19 16)**

**10 28 19 16-0002 Framed, Swinging Shower Doors (10 28 19 16-0001)**

10 28 19 16-0003	EA		24-1/4" To 26" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00801).....	477.26	54.82
10 28 19 16-0004	EA		27-1/4" To 29" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00802).....	501.35	27.41
10 28 19 16-0005	EA		29-5/8" To 31-3/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00803).....	601.25	27.41
10 28 19 16-0006	EA		33-1/8" To 34-7/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00804).....	498.78	27.41
10 28 19 16-0007	EA		35-1/8" To 36-7/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00805).....	532.90	27.41

**10 28 19 16-0008 Frameless, Swinging Shower Doors (10 28 19 16-0001)**

10 28 19 16-0009	EA		24-9/16" To 25-7/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0301D).....	734.23	27.41
10 28 19 16-0010	EA		31-1/16" To 31-15/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0302D).....	767.62	27.41
10 28 19 16-0011	EA		32-11/16" To 33-9/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0303D).....	799.05	27.41
10 28 19 16-0012	EA		34-3/16" To 35-1/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0304D).....	832.44	27.41
10 28 19 16-0013	EA		35-3/16" To 36-1/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0305D).....	864.85	27.41

**10 28 19 16-0014 Sliding Shower Doors (10 28 19 16)**

**10 28 19 16-0015 Framed, Sliding Shower Doors (10 28 19 16-0014)**

10 28 19 16-0016	EA		40" To 42" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00735).....	801.48	27.41
10 28 19 16-0017	EA		44" To 46" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00745).....	733.90	27.41
10 28 19 16-0018	EA		46" To 48" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00775).....	752.11	27.41
10 28 19 16-0019	EA		52" To 54" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00729).....	771.46	27.41
10 28 19 16-0020	EA		54" To 56" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00794).....	782.26	27.41
10 28 19 16-0021	EA		56" To 60" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00795).....	798.25	27.41

**10 28 19 16-0022 Frameless, Sliding Shower Doors (10 28 19 16-0014)**

10 28 19 16-0023	EA		40" To 44" Opening, 65-1/2" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00335).....	831.07	27.41
10 28 19 16-0024	EA		44" To 48" Opening, 65-1/2" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00345).....	1,014.89	27.41
10 28 19 16-0025	EA		56" To 60" Opening, 65-1/2" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00394).....	1,076.76	27.41
10 28 19 16-0026	EA		40" To 44" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00330).....	971.81	27.41
10 28 19 16-0027	EA		44" To 48" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00370).....	985.35	27.41
10 28 19 16-0028	EA		56" To 60" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00390).....	1,111.26	27.41

10	<b>10 Specialties</b>
	<b>10 20 Interior Specialties</b>
	<b>10 28 Toilet, Bath, and Laundry Accessories</b>



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST

**10 28 19 19 Tub Doors** (10 28 19)

10 28 19 19-0001		Sliding Bathtub Doors <small>(10 28 19 19)</small>		
10 28 19 19-0002		Framed, Sliding Bathtub Doors <small>(10 28 19 19-0001)</small>		
10 28 19 19-0003	EA	52" To 54" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00725).....	713.59	27.41
10 28 19 19-0004	EA	54" To 56" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00749).....	721.37	27.41
10 28 19 19-0005	EA	56" To 60" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00750).....	738.98	27.41

**10 40 Safety Specialties** (10)

**10 41 Emergency Access And Information Cabinets** (10 40)

**10 41 13 Fire Department Plan Cabinets** (10 41)

**10 41 13 00-0001 Fire Department Plan Cabinets (Knox)** (10 41 13)

10 41 13 00-0002	EA	18" High x 14-1/2" Wide x 5" Deep, Light Gray Finish, Surface Mount, Fire Department Emergency Storage Cabinet (Knox 1300).....	1,390.01	36.07
		<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
		<i>For Dual Locks, Add</i>	60.00	
		<i>For Back Key Hook Panel, Add</i>	59.14	
		<i>For Swing Key Hook Panel, Add</i>	158.14	
		<i>For Non-Locking Weather Housing, Add</i>	397.41	
10 41 13 00-0003	EA	18" High x 14-1/2" Wide x 7" Deep, Light Gray Finish, Surface Mount, Fire Department Emergency Storage Cabinet (Knox 1300).....	1,473.38	36.07
		<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
		<i>For Dual Locks, Add</i>	60.00	
		<i>For Back Key Hook Panel, Add</i>	59.14	
		<i>For Swing Key Hook Panel, Add</i>	158.14	
		<i>For Second Swing Key Hook Panel, Add</i>	125.14	
		<i>For Non-Locking Weather Housing, Add</i>	397.41	

**10 41 16 Emergency Key Cabinets** (10 41)

**10 41 16 00-0001 Emergency Key Cabinets (Knox)** (10 41 16)

10 41 16 00-0002	EA	Elevator/Lobby, Deep Red Finish, Surface Mount, Fire Department Emergency Key Storage Box (Knox 1403).....	698.07	36.07
		<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
10 41 16 00-0003	EA	5" High x 4" Wide x 3-3/4" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Box 3200).....	614.70	36.07
		<i>For Lift-Off Door, Deduct</i>	-40.00	
		<i>For Aluminum Or Dark Bronze Finish, Add</i>	10.00	
		<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
		<i>For Recess Mount, Add</i>	60.68	
		<i>For Cast-In-Place Concrete Recess Mounting, Add</i>	119.00	
10 41 16 00-0004	EA	6" High x 6" Wide x 4-1/2" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Vault 4100).....	818.95	36.07
		<i>For Aluminum Or Dark Bronze Finish, Add</i>	10.00	
		<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
		<i>For Recess Mount, Add</i>	60.68	
		<i>For Dual Locks, Add</i>	60.00	
		<i>For Cast-In-Place Concrete Recess Mounting, Add</i>	130.00	
10 41 16 00-0005	EA	7" High x 7" Wide x 5" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Vault 4400).....	871.06	36.07
		<i>For Aluminum Or Dark Bronze Finish, Add</i>	10.00	
		<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
		<i>For Recess Mount, Add</i>	60.68	
		<i>For Dual Locks, Add</i>	60.00	
		<i>For Cast-In-Place Concrete Recess Mounting, Add</i>	135.00	

**10 44 Fire Protection Specialties** (10 40)

**10 44 13 Fire Protection Cabinets** (10 44)

**10 44 13 00-0001 Fire Extinguisher Cabinets** (10 44 13)

**10 44 13 00-0002 Recessed Fire Extinguisher Cabinets** (10 44 13 00-0001)

**10 44 13 00-0003 Steel Door And Trim, Recessed Fire Extinguisher Cabinets** (10 44 13 00-0002)

Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0004	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	369.07	45.51
10 44 13 00-0005	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	375.62	45.51
10 44 13 00-0006	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	376.92	45.51
10 44 13 00-0007	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	417.48	45.51
10 44 13 00-0008	EA	16" x 32" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	523.45	45.51
10 44 13 00-0009	EA	20" x 27" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	537.85	45.51

**10 44 13 00-0010 Aluminum Door And Trim, Recessed Fire Extinguisher Cabinets** (10 44 13 00-0002)

Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0011	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	364.34	45.51
10 44 13 00-0012	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	369.97	45.51
10 44 13 00-0013	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	379.37	45.51
10 44 13 00-0014	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	395.33	45.51

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 44 13 00-0015	EA	16" x 32" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet .....	444.69	45.51
10 44 13 00-0016	EA	20" x 27" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet .....	459.72	45.51
<b>10 44 13 00-0017</b>		<b>Stainless Steel Door And Trim, Recessed Fire Extinguisher Cabinets <small>(10 44 13 00-0002)</small></b>		
<small>Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.</small>				
10 44 13 00-0018	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet .....	479.43	45.51
10 44 13 00-0019	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet .....	490.77	45.51
10 44 13 00-0020	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet .....	496.44	45.51
10 44 13 00-0021	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet .....	535.19	45.51
10 44 13 00-0022	EA	16" x 32" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet .....	613.20	45.51
10 44 13 00-0023	EA	20" x 27" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet .....	636.82	45.51
<b>10 44 13 00-0024</b>		<b>Bronze Door And Trim, Recessed Fire Extinguisher Cabinets <small>(10 44 13 00-0002)</small></b>		
<small>Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.</small>				
10 44 13 00-0025	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet .....	936.26	45.51
10 44 13 00-0026	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet .....	942.44	45.51
10 44 13 00-0027	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet .....	1,068.51	45.51
<b>10 44 13 00-0028</b>		<b>Acrylic Bubble Door And Steel Trim, Recessed Fire Extinguisher Cabinets <small>(10 44 13 00-0002)</small></b>		
<small>Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.</small>				
10 44 13 00-0029	EA	10-1/2" x 24" x 4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door .....	454.11	45.51
10 44 13 00-0030	EA	14" x 30" x 4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door .....	503.83	45.51
<b>10 44 13 00-0031</b>		<b>Semi Recessed Fire Extinguisher Cabinets <small>(10 44 13 00-0001)</small></b>		
<b>10 44 13 00-0032</b>		<b>Steel Door And Trim, Semi Recessed Fire Extinguisher Cabinets <small>(10 44 13 00-0031)</small></b>		
<small>Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.</small>				
10 44 13 00-0033	EA	9" x 18" x 5-1/2" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet .....	404.40	45.51
10 44 13 00-0034	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet .....	417.48	45.51
10 44 13 00-0035	EA	10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet .....	418.79	45.51
10 44 13 00-0036	EA	12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet .....	463.27	45.51
10 44 13 00-0037	EA	16" x 32" x 7-3/4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet .....	552.24	45.51
10 44 13 00-0038	EA	20" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet .....	566.63	45.51
<b>10 44 13 00-0039</b>		<b>Aluminum Door And Trim, Semi Recessed Fire Extinguisher Cabinets <small>(10 44 13 00-0031)</small></b>		
<small>Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.</small>				
10 44 13 00-0040	EA	9" x 18" x 5-1/2" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet .....	406.18	45.51
10 44 13 00-0041	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet .....	420.27	45.51
10 44 13 00-0042	EA	10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet .....	428.72	45.51
10 44 13 00-0043	EA	12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet .....	444.69	45.51
10 44 13 00-0044	EA	16" x 32" x 7-3/4" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet .....	500.11	45.51
10 44 13 00-0045	EA	20" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet .....	513.26	45.51
<b>10 44 13 00-0046</b>		<b>Stainless Steel Door And Trim, Semi Recessed Fire Extinguisher Cabinets <small>(10 44 13 00-0031)</small></b>		
<small>Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.</small>				
10 44 13 00-0047	EA	9" x 18" x 5-1/2" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet .....	529.09	45.51
10 44 13 00-0048	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet .....	542.32	45.51
10 44 13 00-0049	EA	10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet .....	547.99	45.51
10 44 13 00-0050	EA	12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet .....	577.29	45.51
10 44 13 00-0051	EA	16" x 32" x 7-3/4" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet .....	650.05	45.51
10 44 13 00-0052	EA	20" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet .....	666.12	45.51
<b>10 44 13 00-0053</b>		<b>Bronze Door And Trim, Semi Recessed Fire Extinguisher Cabinets <small>(10 44 13 00-0031)</small></b>		
<small>Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.</small>				
10 44 13 00-0054	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Bronze Fire Extinguisher Cabinet .....	1,156.25	45.51
10 44 13 00-0055	EA	10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Bronze Fire Extinguisher Cabinet .....	1,161.43	45.51
10 44 13 00-0056	EA	12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Bronze Fire Extinguisher Cabinet .....	1,318.02	45.51
<b>10 44 13 00-0057</b>		<b>Acrylic Bubble Door And Steel Trim, Semi Recessed Fire Extinguisher Cabinets <small>(10 44 13 00-0031)</small></b>		
<small>Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.</small>				
10 44 13 00-0058	EA	10-1/2" x 24" x 4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door .....	501.21	45.51
10 44 13 00-0059	EA	14" x 30" x 4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door .....	548.31	45.51
<b>10 44 13 00-0060</b>		<b>Surface Mounted Fire Extinguisher Cabinets <small>(10 44 13 00-0001)</small></b>		
<b>10 44 13 00-0061</b>		<b>Steel Door And Trim, Surface Mount Fire Extinguisher Cabinets <small>(10 44 13 00-0060)</small></b>		
<small>Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.</small>				
10 44 13 00-0062	EA	12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet .....	393.93	45.51
10 44 13 00-0063	EA	13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet .....	401.78	45.51
10 44 13 00-0064	EA	15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet .....	464.58	45.51
10 44 13 00-0065	EA	19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet .....	541.77	45.51
10 44 13 00-0066	EA	23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet .....	562.70	45.51

10	<b>10 Specialties</b>	
	<b>10 40 Safety Specialties</b>	
	<b>10 44 Fire Protection Specialties</b>	



MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

<b>10 44 13 00-0067 Aluminum Door And Trim, Surface Mount Fire Extinguisher Cabinets <small>(10 44 13 00-0060)</small></b>		
Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0068	EA 12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	495.41 45.51
10 44 13 00-0069	EA 13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	507.62 45.51
10 44 13 00-0070	EA 15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	534.86 45.51
10 44 13 00-0071	EA 19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	588.40 45.51
10 44 13 00-0072	EA 23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	610.94 45.51

<b>10 44 13 00-0073 Stainless Steel Door And Trim, Surface Mount Fire Extinguisher Cabinets <small>(10 44 13 00-0060)</small></b>		
Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0074	EA 12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	611.31 45.51
10 44 13 00-0075	EA 13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	629.26 45.51
10 44 13 00-0076	EA 15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	673.68 45.51
10 44 13 00-0077	EA 19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	759.67 45.51
10 44 13 00-0078	EA 23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	786.13 45.51

<b>10 44 13 00-0079 Bronze Door And Trim, Surface Mount Fire Extinguisher Cabinets <small>(10 44 13 00-0060)</small></b>		
Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0080	EA 13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Bronze Fire Extinguisher Cabinet.....	1,313.13 45.51
10 44 13 00-0081	EA 15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Bronze Fire Extinguisher Cabinet.....	1,468.52 45.51

<b>10 44 13 00-0082 Acrylic Bubble Door And Steel Trim, Surface Mount Fire Extinguisher Cabinets <small>(10 44 13 00-0060)</small></b>		
Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0083	EA 13-11/16" x 27-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	472.43 45.51
10 44 13 00-0084	EA 17-3/16" x 33-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	530.00 45.51
10 44 13 00-0085	EA 31-3/16" x 33-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	731.48 45.51

<b>10 44 13 00-0086 Fire Extinguisher Cabinet Accessories <small>(10 44 13 00-0001)</small></b>		
10 44 13 00-0087	EA Standard Break Glass Cylinder Lock Mechanism.....	37.80 13.87
10 44 13 00-0088	EA Breaker Bar And Chain For Break Glass Cabinets.....	34.28 13.87
10 44 13 00-0089	EA Replacement Of Standard Pull Handle.....	32.14
10 44 13 00-0090	EA Fire Extinguisher Cabinet Battery Operated Alarm.....	100.70 27.75
10 44 13 00-0091	EA Fire Rated Option For 10-1/2" x 24" x 5-1/2" Or 6" Cabinets.....	186.54
10 44 13 00-0092	EA Fire Rated Option For 12" x 27" x 7-3/4" Cabinets.....	205.19
10 44 13 00-0093	EA Fire Rated Option For 16" x 32" x 7-3/4" Cabinets.....	279.81
10 44 13 00-0094	EA Fire Rated Option For 20" x 27" x 7-3/4" Cabinets.....	382.41
10 44 13 00-0095	EA Fire Rated Option For 9" x 18" x 5-1/2" Cabinets.....	447.70
10 44 13 00-0096	EA Standard Glass With Wire Glass For 9" x 18" x 5-1/2" Cabinets.....	108.19
10 44 13 00-0097	EA Standard Glass With Wire Glass For 10-1/2" x 24" x 5-1/2" Or 6" Cabinets.....	111.92
10 44 13 00-0098	EA Standard Glass With Wire Glass For 12" x 27" x 7-3/4" Cabinets.....	149.23
10 44 13 00-0099	EA Standard Glass With Wire Glass For 16" x 32" x 7-3/4" Cabinets.....	270.48
10 44 13 00-0100	EA Standard Glass With Wire Glass For 20" x 27" x 7-3/4" Cabinets.....	274.21
10 44 13 00-0101	EA Standard Glass With Wire Glass For 12-3/16" x 21-3/16" x 6" Cabinets.....	109.79
10 44 13 00-0102	EA Standard Glass With Wire Glass For 13-11/16" x 27-3/16" x 6-1/2" Cabinets.....	115.28
10 44 13 00-0103	EA Standard Glass With Wire Glass For 15-3/16" x 30-3/16" x 8-1/4" Cabinets.....	155.53
10 44 13 00-0104	EA Standard Glass With Wire Glass For 19-3/16" x 35-3/16" x 8-1/4" Cabinets.....	274.47
10 44 13 00-0105	EA Standard Glass With Wire Glass For 23-3/16" x 30-3/16" x 8-1/4" Cabinets.....	278.13

<b>10 44 13 00-0106 Fire Hose Cabinets <small>(10 44 13)</small></b>		
Note: Excludes hoses, hose rack units, fire extinguishers and valves. See CSI section 21 12 13 00-0001 for fire hoses and nozzles, 21 12 13 00-0015 for fire hose rack units, 21 12 23 00-0001 for fire department valves, 21 12 23 00-0014 for fire hose angle valves.		

<b>10 44 13 00-0107 Recessed Fire Hose Cabinets <small>(10 44 13 00-0106)</small></b>		
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<b>10 44 13 00-0108 Steel Door And Trim, Recessed Fire Hose Cabinets <small>(10 44 13 00-0107)</small></b>		
Note: Includes baked enamel finish, steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0109	EA 34" x 24" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	534.87 128.68
	<i>For Solid Steel Door, Deduct</i>	-8.60
10 44 13 00-0110	EA 34" x 26" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	544.22 128.68
	<i>For Solid Steel Door, Deduct</i>	-8.60
10 44 13 00-0111	EA 38" x 24" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	552.03 128.68
	<i>For Solid Steel Door, Deduct</i>	-8.60
10 44 13 00-0112	EA 38" x 26" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	559.83 128.68
	<i>For Solid Steel Door, Deduct</i>	-8.60
10 44 13 00-0113	EA 30" x 30" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	569.18 128.68
	<i>For Solid Steel Door, Deduct</i>	-8.60
10 44 13 00-0114	EA 38" x 32" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	594.12 128.68
	<i>For Solid Steel Door, Deduct</i>	-8.60
10 44 13 00-0115	EA 23" x 18" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	601.92 128.68
	<i>For Solid Steel Door, Deduct</i>	-8.60

	<b>Specialties</b>	<b>10</b>
	Safety Specialties	10 40
	Fire Protection Specialties	10 44
MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

<b>10 44 13 00-0116</b>	<b>Aluminum Door And Trim, Recessed Fire Hose Cabinets</b> <small>(10 44 13 00-0107)</small>		
	Note: Includes clear satin anodized finish, aluminum door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0117	EA 34" x 24" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	585.25	128.68
	For Solid Aluminum Door, Add	6.50	
10 44 13 00-0118	EA 30" x 30" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	600.66	128.68
	For Solid Aluminum Door, Add	6.50	
10 44 13 00-0119	EA 34" x 26" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	602.66	128.68
	For Solid Aluminum Door, Add	6.50	
10 44 13 00-0120	EA 38" x 24" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	609.07	128.68
	For Solid Aluminum Door, Add	6.50	
10 44 13 00-0121	EA 38" x 26" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	617.48	128.68
	For Solid Aluminum Door, Add	6.50	
10 44 13 00-0122	EA 38" x 32" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	641.30	128.68
	For Solid Aluminum Door, Add	6.50	
10 44 13 00-0123	EA 23" x 18" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	665.12	128.68
	For Solid Aluminum Door, Add	6.50	
<b>10 44 13 00-0124</b>	<b>Stainless Steel Door And Trim, Recessed Fire Hose Cabinets</b> <small>(10 44 13 00-0107)</small>		
	Note: Includes #4 finish, stainless steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0125	EA 23" x 18" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	718.98	128.68
	For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0126	EA 34" x 24" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	791.07	128.68
	For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0127	EA 34" x 26" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	798.00	128.68
	For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0128	EA 38" x 24" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	820.18	128.68
	For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0129	EA 38" x 26" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	827.11	128.68
	For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0130	EA 30" x 30" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	863.16	128.68
	For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0131	EA 38" x 32" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	899.20	128.68
	For Solid Stainless Steel Door, Deduct	-7.70	
<b>10 44 13 00-0132</b>	<b>Semi Recessed Fire Hose Cabinets</b> <small>(10 44 13 00-0106)</small>		
<b>10 44 13 00-0133</b>	<b>Steel Door And Trim, Semi Recessed Fire Hose Cabinets</b> <small>(10 44 13 00-0132)</small>		
	Note: Includes baked enamel finish, steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0134	EA 34" x 24" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet.....	559.83	128.68
	For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0135	EA 34" x 26" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet.....	569.18	128.68
	For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0136	EA 38" x 24" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet.....	576.97	128.68
	For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0137	EA 38" x 26" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet.....	586.32	128.68
	For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0138	EA 30" x 30" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet.....	594.12	128.68
	For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0139	EA 38" x 32" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet.....	619.06	128.68
	For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0140	EA 23" x 18" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet.....	628.42	128.68
	For Solid Steel Door, Deduct	-8.60	
<b>10 44 13 00-0141</b>	<b>Aluminum Door And Trim, Semi Recessed Fire Hose Cabinets</b> <small>(10 44 13 00-0132)</small>		
	Note: Includes clear satin anodized finish, aluminum door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0142	EA 34" x 24" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet.....	600.66	128.68
	For Solid Aluminum Door, Add	6.50	
10 44 13 00-0143	EA 34" x 26" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet.....	617.48	128.68
	For Solid Aluminum Door, Add	6.50	
10 44 13 00-0144	EA 30" x 30" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet.....	619.88	128.68
	For Solid Aluminum Door, Add	6.50	
10 44 13 00-0145	EA 38" x 24" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet.....	624.48	128.68
	For Solid Aluminum Door, Add	6.50	
10 44 13 00-0146	EA 38" x 26" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet.....	632.89	128.68
	For Solid Aluminum Door, Add	6.50	
10 44 13 00-0147	EA 38" x 32" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet.....	656.71	128.68
	For Solid Aluminum Door, Add	6.50	
10 44 13 00-0148	EA 23" x 18" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet.....	680.54	128.68
	For Solid Aluminum Door, Add	6.50	
<b>10 44 13 00-0149</b>	<b>Stainless Steel Door And Trim, Semi Recessed Fire Hose Cabinets</b> <small>(10 44 13 00-0132)</small>		
	Note: Includes #4 finish, 304 stainless steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0150	EA 23" x 18" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet.....	761.96	128.68
	For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0151	EA 34" x 24" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet.....	840.98	128.68
	For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0152	EA 34" x 26" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet.....	847.91	128.68
	For Solid Stainless Steel Door, Deduct	-7.70	

**10 Specialties****10 40 Safety Specialties****10 44 Fire Protection Specialties**

MINOR

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TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

10 44 13 00-0153	EA 38" x 24" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet.....	870.09	128.68
	<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0154	EA 38" x 26" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet.....	877.02	128.68
	<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0155	EA 30" x 30" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet.....	913.06	128.68
	<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0156	EA 38" x 32" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet.....	949.11	128.68
	<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
<b>10 44 13 00-0157</b>	<b>Surface Mount Fire Hose Cabinets</b> <small>(10 44 13 00-0106)</small>		
<b>10 44 13 00-0158</b>	<b>Steel Door And Trim, Surface Mount Fire Hose Cabinets</b> <small>(10 44 13 00-0157)</small>		
	Note: Includes baked enamel finish, steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0159	EA 37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	569.18	128.68
	<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0160	EA 37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	576.97	128.68
	<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0161	EA 41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	586.32	128.68
	<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0162	EA 41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	594.12	128.68
	<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0163	EA 33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	601.92	128.68
	<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0164	EA 41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	628.42	128.68
	<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0165	EA 26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	636.22	128.68
	<i>For Solid Steel Door, Deduct</i>	-8.60	
<b>10 44 13 00-0166</b>	<b>Aluminum Door And Trim, Surface Mount Fire Hose Cabinets</b> <small>(10 44 13 00-0157)</small>		
	Note: Includes clear satin anodized finish, aluminum door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0167	EA 37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet.....	641.30	128.68
	<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0168	EA 33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet.....	656.71	128.68
	<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0169	EA 37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet.....	660.72	128.68
	<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0170	EA 41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet.....	665.12	128.68
	<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0171	EA 41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet.....	672.13	128.68
	<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0172	EA 41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet.....	697.35	128.68
	<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0173	EA 26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet.....	712.77	128.68
	<i>For Solid Aluminum Door, Add</i>	6.50	
<b>10 44 13 00-0174</b>	<b>Stainless Steel Door And Trim, Surface Mount Fire Hose Cabinets</b> <small>(10 44 13 00-0157)</small>		
	Note: Includes #4 finish, 304 stainless steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0175	EA 26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	820.18	128.68
	<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0176	EA 37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	1,050.30	128.68
	<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0177	EA 41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	1,108.53	128.68
	<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0178	EA 37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	1,122.39	128.68
	<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0179	EA 41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	1,136.25	128.68
	<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0180	EA 33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	1,194.48	128.68
	<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0181	EA 41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	1,266.56	128.68
	<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
<b>10 44 16</b>	<b>Fire Extinguishers</b> <small>(10 44)</small>		
<b>10 44 16 13</b>	<b>Portable Fire Extinguishers</b> <small>(10 44 16)</small>		
	Note: Includes filling, certification, bracket, hardware and mounting on wall.		
<b>10 44 16 13-0001</b>	<b>Carbon Dioxide Type, Class BC Portable Fire Extinguisher</b> <small>(10 44 16 13)</small>		
10 44 16 13-0002	EA 2.5 LB Carbon Dioxide, Type BC Portable Fire Extinguisher.....	147.52	14.43
	<i>For &gt;5 To 10, Deduct</i>	-3.68	
	<i>For &gt;10, Deduct</i>	-7.35	
	<i>For Placement In Cabinet, Deduct</i>	-37.00	
10 44 16 13-0003	EA 5 LB Carbon Dioxide, Type BC Portable Fire Extinguisher.....	206.90	16.65
	<i>For &gt;5 To 10, Deduct</i>	-6.08	
	<i>For &gt;10, Deduct</i>	-12.15	
	<i>For Placement In Cabinet, Deduct</i>	-42.69	
10 44 16 13-0004	EA 10 LB Carbon Dioxide, Type BC Portable Fire Extinguisher.....	269.10	21.09
	<i>For &gt;5 To 10, Deduct</i>	-7.91	
	<i>For &gt;10, Deduct</i>	-15.81	
	<i>For Placement In Cabinet, Deduct</i>	-55.50	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 44 16 13-0005	EA		15 LB Carbon Dioxide, Type BC Portable Fire Extinguisher..... <i>For &gt;5 To 10, Deduct</i> <i>For &gt;10, Deduct</i> <i>For Placement In Cabinet, Deduct</i>	332.12 -9.67 -19.34 -69.37	26.64
10 44 16 13-0006	EA		20 LB Carbon Dioxide, Type BC Portable Fire Extinguisher..... <i>For &gt;5 To 10, Deduct</i> <i>For &gt;10, Deduct</i> <i>For Placement In Cabinet, Deduct</i>	363.71 -11.25 -22.50 -69.37	26.64
10 44 16 13-0007	EA		50 LB Carbon Dioxide, Type BC Wheeled Fire Extinguisher..... <i>For &gt;5 To 10, Deduct</i> <i>For &gt;10, Deduct</i>	1,083.66 -43.08 -86.17	42.17
10 44 16 13-0008	EA		100 LB Carbon Dioxide, Type BC Wheeled Fire Extinguisher..... <i>For &gt;5 To 10, Deduct</i> <i>For &gt;10, Deduct</i>	2,044.08 -91.11 -182.21	42.17
<b>10 44 16 13-0009 Dry Chemical Type, Class ABC Portable Fire Extinguisher (10 44 16 13)</b>					
10 44 16 13-0010	EA		2.6 LB Dry Chemical, Type ABC Portable Fire Extinguisher..... <i>For &gt;5 To 10, Deduct</i> <i>For &gt;10, Deduct</i> <i>For Placement In Cabinet, Deduct</i>	102.03 -1.40 -2.80 -37.00	14.43
10 44 16 13-0011	EA		5 LB Dry Chemical, Type ABC Portable Fire Extinguisher..... <i>For &gt;5 To 10, Deduct</i> <i>For &gt;10, Deduct</i> <i>For Placement In Cabinet, Deduct</i>	125.14 -1.99 -3.98 -42.69	16.65
10 44 16 13-0012	EA		10 LB Dry Chemical, Type ABC Portable Fire Extinguisher..... <i>For &gt;5 To 10, Deduct</i> <i>For &gt;10, Deduct</i> <i>For Placement In Cabinet, Deduct</i>	174.29 -3.17 -6.33 -55.50	21.09
10 44 16 13-0013	EA		20 LB Dry Chemical, Type ABC Portable Fire Extinguisher..... <i>For &gt;5 To 10, Deduct</i> <i>For &gt;10, Deduct</i> <i>For Placement In Cabinet, Deduct</i>	238.37 -4.98 -9.96 -69.37	26.64
10 44 16 13-0014	EA		50 LB Dry Chemical, Type ABC Wheeled Fire Extinguisher..... <i>For &gt;5 To 10, Deduct</i> <i>For &gt;10, Deduct</i>	1,282.33 -53.02 -106.04	42.17
10 44 16 13-0015	EA		125 LB Dry Chemical, Type ABC Wheeled Fire Extinguisher..... <i>For &gt;5 To 10, Deduct</i> <i>For &gt;10, Deduct</i>	1,863.05 -82.05 -164.11	42.17
<b>10 44 16 13-0016 Other Portable Fire Extinguishers (10 44 16 13)</b>					
10 44 16 13-0017	EA		2.5 Gallon Water, Stored Pressure Portable Fire Extinguisher..... Note: Stainless steel. <i>For &gt;5 To 10, Deduct</i> <i>For &gt;10, Deduct</i> <i>For Placement In Cabinet, Deduct</i>	166.93 -4.08 -8.16 -42.69	16.65
10 44 16 13-0018	EA		1.6 Gallon Wet Chemical, Class K Portable Fire Extinguisher..... Note: Stainless steel. <i>For &gt;5 To 10, Deduct</i> <i>For &gt;10, Deduct</i> <i>For Placement In Cabinet, Deduct</i>	256.44 -5.89 -11.77 -69.37	26.64
10 44 16 13-0019	EA		2.5 Gallon Wet Chemical, Class K Portable Fire Extinguisher..... Note: Stainless steel. <i>For &gt;5 To 10, Deduct</i> <i>For &gt;10, Deduct</i> <i>For Placement In Cabinet, Deduct</i>	269.26 -6.53 -13.05 -69.37	26.64
10 44 16 13-0020	EA		30 LB Dry Powder, Class D Portable Fire Extinguisher..... Note: Yellow steel. <i>For &gt;5 To 10, Deduct</i> <i>For &gt;10, Deduct</i>	357.84 -10.96 -21.91	26.64
<b>10 44 16 13-0021 Fire Extinguisher Backboards (10 44 16 13)</b>					
<b>10 44 16 13-0022 Fire Extinguisher Backboards (10 44 16 13-0021)</b>					
Note: Mounted to any wall. Includes anchors.					
10 44 16 13-0023	EA		Red Painted 1/2" x 12" x 40" Beveled Edge Plywood Fire Extinguisher Backboard.....	144.64	19.01
10 44 16 13-0024	EA		Relocate Fire Extinguisher Wood Backboard, Any Size..... Note: Includes storage and cleaning.	167.73	
<b>10 44 16 13-0025 Inspections And Testing (10 44 16 13)</b>					
10 44 16 13-0026	EA		On Site Fire Extinguisher Annual Inspection (Tag).....	5.88	
10 44 16 13-0027	EA		On Site Fire Extinguisher Hydrotest.....	8.64	
<b>10 44 19 Fire Blankets (10 44)</b>					
10 44 19 00-0001	EA		Vertical Roller Type Fire Blanket Cabinet (JL Industries 1FB)..... Note: Includes a 62" x 84", 3-1/2 pound, processed wool fire blanket.	467.40	45.51
10 44 19 00-0002	EA		Drop Type Fire Blanket Cabinet (JL Industries 2FB)..... Note: Includes a 62" x 84", 3-1/2 pound, processed wool fire blanket.	343.11	45.51

## 10 50 Storage Specialties (10)

### 10 51 Lockers (10 50)

MINOR	CSI	UOM	DESCRIPTION
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TOTAL DIRECT	DEMOLITION
UNIT COST	UNIT COST

**10 51 13 Metal Lockers (10 51)**

10 51 13 00-0001	Institutional Lockers (10 51 13)		
Note: Price per frame. Includes baked enamel 24 gauge solid body components and 6" legs. Excludes slope top, base fillers, and locks.			
<b>10 51 13 00-0002</b>	<b>Single Tier Institutional Locker (10 51 13 00-0001)</b>		
Note: Includes one hat shelf, three single hooks and one double hook.			
10 51 13 00-0003	EA 12" x 12" x 60" Single Tier Institutional Or Corridor Locker .....	280.84	34.40
	For >25 To 50, Deduct	-10.60	
	For >50 To 100, Deduct	-22.23	
	For >100, Deduct	-33.87	
	For 14 Gauge Doors, Add	16.96	
10 51 13 00-0004	EA 12" x 15" x 60" Single Tier Institutional Or Corridor Locker .....	292.07	34.40
	For >25 To 50, Deduct	-11.16	
	For >50 To 100, Deduct	-23.36	
	For >100, Deduct	-35.55	
	For 14 Gauge Doors, Add	17.86	
10 51 13 00-0005	EA 12" x 18" x 60" Single Tier Institutional Or Corridor Locker .....	307.43	34.40
	For >25 To 50, Deduct	-11.93	
	For >50 To 100, Deduct	-24.89	
	For >100, Deduct	-37.86	
	For 14 Gauge Doors, Add	19.09	
10 51 13 00-0006	EA 12" x 12" x 72" Single Tier Institutional Or Corridor Locker .....	306.37	35.52
	For >25 To 50, Deduct	-11.77	
	For >50 To 100, Deduct	-24.60	
	For >100, Deduct	-37.43	
	For 14 Gauge Doors, Add	18.83	
10 51 13 00-0007	EA 12" x 15" x 72" Single Tier Institutional Or Corridor Locker .....	315.68	35.52
	For >25 To 50, Deduct	-12.23	
	For >50 To 100, Deduct	-25.53	
	For >100, Deduct	-38.83	
	For 14 Gauge Doors, Add	19.57	
10 51 13 00-0008	EA 12" x 18" x 72" Single Tier Institutional Or Corridor Locker .....	324.76	35.52
	For >25 To 50, Deduct	-12.69	
	For >50 To 100, Deduct	-26.44	
	For >100, Deduct	-40.19	
	For 14 Gauge Doors, Add	20.30	
10 51 13 00-0009	EA 15" x 15" x 72" Single Tier Institutional Or Corridor Locker .....	340.44	35.52
	For >25 To 50, Deduct	-13.47	
	For >50 To 100, Deduct	-28.01	
	For >100, Deduct	-42.54	
	For 14 Gauge Doors, Add	21.55	
10 51 13 00-0010	EA 15" x 18" x 72" Single Tier Institutional Or Corridor Locker .....	355.95	35.52
	For >25 To 50, Deduct	-14.25	
	For >50 To 100, Deduct	-29.56	
	For >100, Deduct	-44.87	
	For 14 Gauge Doors, Add	22.79	
10 51 13 00-0011	EA 18" x 18" x 72" Single Tier Institutional Or Corridor Locker .....	372.38	35.52
	For >25 To 50, Deduct	-15.07	
	For >50 To 100, Deduct	-31.20	
	For >100, Deduct	-47.33	
	For 14 Gauge Doors, Add	24.11	
10 51 13 00-0012	EA 18" x 21" x 72" Single Tier Institutional Or Corridor Locker .....	387.55	35.52
	For >25 To 50, Deduct	-15.83	
	For >50 To 100, Deduct	-32.72	
	For >100, Deduct	-49.61	
	For 14 Gauge Doors, Add	25.32	
10 51 13 00-0013	EA 24" x 24" x 72" Single Tier Institutional Or Corridor Locker .....	526.16	35.52
	For >25 To 50, Deduct	-22.76	
	For >50 To 100, Deduct	-46.58	
	For >100, Deduct	-70.40	
	For 14 Gauge Doors, Add	36.41	
<b>10 51 13 00-0014</b>	<b>Two Tier Institutional Locker (10 51 13 00-0001)</b>		
Note: Includes three single hooks and one double hook per tier.			
10 51 13 00-0015	EA 12" x 12" x 60" Two Tier Institutional Or Corridor Locker .....	332.59	35.52
	For >25 To 50, Deduct	-13.08	
	For >50 To 100, Deduct	-27.22	
	For >100, Deduct	-41.36	
	For 14 Gauge Doors, Add	28.77	
10 51 13 00-0016	EA 12" x 15" x 60" Two Tier Institutional Or Corridor Locker .....	339.67	35.52
	For >25 To 50, Deduct	-13.43	
	For >50 To 100, Deduct	-27.93	
	For >100, Deduct	-42.43	
	For 14 Gauge Doors, Add	29.55	
10 51 13 00-0017	EA 12" x 18" x 60" Two Tier Institutional Or Corridor Locker .....	346.80	35.52
	For >25 To 50, Deduct	-13.79	
	For >50 To 100, Deduct	-28.64	
	For >100, Deduct	-43.50	
	For 14 Gauge Doors, Add	30.33	
10 51 13 00-0018	EA 12" x 12" x 72" Two Tier Institutional Or Corridor Locker .....	347.80	36.63
	For >25 To 50, Deduct	-13.73	
	For >50 To 100, Deduct	-28.55	
	For >100, Deduct	-43.38	
	For 14 Gauge Doors, Add	30.20	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51	13 00-0019	EA	12" x 15" x 72" Two Tier Institutional Or Corridor Locker.....	363.28	36.63
			For >25 To 50, Deduct	-14.50	
			For >50 To 100, Deduct	-30.10	
			For >100, Deduct	-45.70	
			For 14 Gauge Doors, Add	31.90	
10 51	13 00-0020	EA	12" x 18" x 72" Two Tier Institutional Or Corridor Locker.....	372.62	36.63
			For >25 To 50, Deduct	-14.97	
			For >50 To 100, Deduct	-31.03	
			For >100, Deduct	-47.10	
			For 14 Gauge Doors, Add	32.93	
10 51	13 00-0021	EA	15" x 15" x 72" Two Tier Institutional Or Corridor Locker.....	386.00	36.63
			For >25 To 50, Deduct	-15.64	
			For >50 To 100, Deduct	-32.37	
			For >100, Deduct	-49.11	
			For 14 Gauge Doors, Add	34.40	
10 51	13 00-0022	EA	15" x 18" x 72" Two Tier Institutional Or Corridor Locker.....	399.45	36.63
			For >25 To 50, Deduct	-16.31	
			For >50 To 100, Deduct	-33.72	
			For >100, Deduct	-51.13	
			For 14 Gauge Doors, Add	35.88	
10 51	13 00-0023	EA	18" x 18" x 72" Two Tier Institutional Or Corridor Locker.....	460.28	36.63
			For >25 To 50, Deduct	-19.35	
			For >50 To 100, Deduct	-39.80	
			For >100, Deduct	-60.25	
			For 14 Gauge Doors, Add	42.57	
10 51	13 00-0024	EA	18" x 21" x 72" Two Tier Institutional Or Corridor Locker.....	471.33	36.63
			For >25 To 50, Deduct	-19.90	
			For >50 To 100, Deduct	-40.91	
			For >100, Deduct	-61.91	
			For 14 Gauge Doors, Add	43.79	
10 51	13 00-0025		<b>Three Tier Institutional Locker</b> (10 51 13 00-0001)		
			Note: Includes one double hook per tier.		
10 51	13 00-0026	EA	12" x 12" x 72" Three Tier Institutional Or Corridor Locker.....	391.10	37.74
			For >25 To 50, Deduct	-15.78	
			For >50 To 100, Deduct	-32.69	
			For >100, Deduct	-49.61	
			For 14 Gauge Doors, Add	47.34	
10 51	13 00-0027	EA	12" x 15" x 72" Three Tier Institutional Or Corridor Locker.....	398.37	37.74
			For >25 To 50, Deduct	-16.14	
			For >50 To 100, Deduct	-33.42	
			For >100, Deduct	-50.70	
			For 14 Gauge Doors, Add	48.43	
10 51	13 00-0028	EA	12" x 18" x 72" Three Tier Institutional Or Corridor Locker.....	424.19	37.74
			For >25 To 50, Deduct	-17.44	
			For >50 To 100, Deduct	-36.00	
			For >100, Deduct	-54.57	
			For 14 Gauge Doors, Add	52.31	
10 51	13 00-0029	EA	15" x 15" x 72" Three Tier Institutional Or Corridor Locker.....	448.93	37.74
			For >25 To 50, Deduct	-18.67	
			For >50 To 100, Deduct	-38.48	
			For >100, Deduct	-58.28	
			For 14 Gauge Doors, Add	56.02	
10 51	13 00-0030	EA	15" x 18" x 72" Three Tier Institutional Or Corridor Locker.....	468.62	37.74
			For >25 To 50, Deduct	-19.66	
			For >50 To 100, Deduct	-40.45	
			For >100, Deduct	-61.24	
			For 14 Gauge Doors, Add	58.97	
10 51	13 00-0031		<b>Four Tier Institutional Locker</b> (10 51 13 00-0001)		
10 51	13 00-0032	EA	12" x 12" x 72" Four Tier Institutional Or Corridor Locker.....	383.61	38.85
			For >25 To 50, Deduct	-15.30	
			For >50 To 100, Deduct	-31.76	
			For >100, Deduct	-48.22	
10 51	13 00-0033	EA	12" x 15" x 72" Four Tier Institutional Or Corridor Locker.....	396.28	38.85
			For >25 To 50, Deduct	-15.93	
			For >50 To 100, Deduct	-33.02	
			For >100, Deduct	-50.12	
10 51	13 00-0034	EA	12" x 18" x 72" Four Tier Institutional Or Corridor Locker.....	416.69	38.85
			For >25 To 50, Deduct	-16.95	
			For >50 To 100, Deduct	-35.06	
			For >100, Deduct	-53.18	
10 51	13 00-0035	EA	15" x 15" x 72" Four Tier Institutional Or Corridor Locker.....	433.01	38.85
			For >25 To 50, Deduct	-17.77	
			For >50 To 100, Deduct	-36.70	
			For >100, Deduct	-55.63	
10 51	13 00-0036	EA	15" x 18" x 72" Four Tier Institutional Or Corridor Locker.....	456.52	38.85
			For >25 To 50, Deduct	-18.94	
			For >50 To 100, Deduct	-39.05	
			For >100, Deduct	-59.15	
10 51	13 00-0037		<b>Six Tier Institutional Locker</b> (10 51 13 00-0001)		
10 51	13 00-0038	EA	12" x 12" x 72" Six Tier Institutional Or Corridor Locker.....	417.73	39.96
			For >25 To 50, Deduct	-16.89	
			For >50 To 100, Deduct	-34.98	
			For >100, Deduct	-53.07	

**10 Specialties****10 50 Storage Specialties****10 51 Lockers**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
10 51 13 00-0039	EA	12" x 15" x 72" Six Tier Institutional Or Corridor Locker.....	427.50		39.96
		<i>For &gt;25 To 50, Deduct</i>	-17.38		
		<i>For &gt;50 To 100, Deduct</i>	-35.96		
		<i>For &gt;100, Deduct</i>	-54.53		
10 51 13 00-0040	EA	12" x 18" x 72" Six Tier Institutional Or Corridor Locker.....	445.97		39.96
		<i>For &gt;25 To 50, Deduct</i>	-18.30		
		<i>For &gt;50 To 100, Deduct</i>	-37.80		
		<i>For &gt;100, Deduct</i>	-57.31		
<b>10 51 13 00-0041</b>		<b>Locker And Coat Rack Combination</b> (10 51 13 00-0001)			
10 51 13 00-0042	EA	45" x 18" x 12", 4 Person Wall Mount Locker And Coat Rack Combination.....	780.28		26.64
10 51 13 00-0043	EA	72" x 18" x 78", 16 Person Locker And Coat Rack Combination .....	1,245.58		55.50
<b>10 51 13 00-0044</b>		<b>All-Welded Steel Lockers</b> (10 51 13)			
<b>10 51 13 00-0045</b>		<b>All-Welded Steel Lockers</b> (10 51 13 00-0044) Note: Price per frame. Includes diamond perforated, standard louvered or solid doors and sides. Includes all-welded construction with 16 gauge solid top, bottom, and shelves, 14 gauge doors and 4" legs. Includes electrostatically applied enamel powder coat paint finish. Excludes slope top, base fillers, and locks.			
<b>10 51 13 00-0046</b>		<b>Single Tier, All-Welded Steel Lockers</b> (10 51 13 00-0045) Note: Includes one hat shelf, two single hooks and one double hook.			
10 51 13 00-0047	EA	12" x 12" x 48" Single Tier, All-Welded Steel Locker .....	156.38		19.43
		<i>For &gt;25 To 50, Deduct</i>	-6.43		
		<i>For &gt;50 To 100, Deduct</i>	-13.28		
		<i>For &gt;100, Deduct</i>	-20.13		
10 51 13 00-0048	EA	12" x 15" x 48" Single Tier, All-Welded Steel Locker .....	163.97		19.43
		<i>For &gt;25 To 50, Deduct</i>	-6.81		
		<i>For &gt;50 To 100, Deduct</i>	-14.04		
		<i>For &gt;100, Deduct</i>	-21.27		
10 51 13 00-0049	EA	12" x 18" x 48" Single Tier, All-Welded Steel Locker .....	171.28		19.43
		<i>For &gt;25 To 50, Deduct</i>	-7.18		
		<i>For &gt;50 To 100, Deduct</i>	-14.77		
		<i>For &gt;100, Deduct</i>	-22.36		
10 51 13 00-0050	EA	12" x 12" x 60" Single Tier, All-Welded Steel Locker .....	162.65		19.43
		<i>For &gt;25 To 50, Deduct</i>	-6.75		
		<i>For &gt;50 To 100, Deduct</i>	-13.91		
		<i>For &gt;100, Deduct</i>	-21.07		
10 51 13 00-0051	EA	12" x 15" x 60" Single Tier, All-Welded Steel Locker .....	169.96		19.43
		<i>For &gt;25 To 50, Deduct</i>	-7.11		
		<i>For &gt;50 To 100, Deduct</i>	-14.64		
		<i>For &gt;100, Deduct</i>	-22.16		
10 51 13 00-0052	EA	12" x 18" x 60" Single Tier, All-Welded Steel Locker .....	177.27		19.43
		<i>For &gt;25 To 50, Deduct</i>	-7.48		
		<i>For &gt;50 To 100, Deduct</i>	-15.37		
		<i>For &gt;100, Deduct</i>	-23.26		
10 51 13 00-0053	EA	12" x 12" x 72" Single Tier, All-Welded Steel Locker .....	172.18		21.37
		<i>For &gt;25 To 50, Deduct</i>	-7.08		
		<i>For &gt;50 To 100, Deduct</i>	-14.62		
		<i>For &gt;100, Deduct</i>	-22.16		
10 51 13 00-0054	EA	12" x 15" x 72" Single Tier, All-Welded Steel Locker .....	178.94		21.37
		<i>For &gt;25 To 50, Deduct</i>	-7.42		
		<i>For &gt;50 To 100, Deduct</i>	-15.30		
		<i>For &gt;100, Deduct</i>	-23.18		
10 51 13 00-0055	EA	12" x 18" x 72" Single Tier, All-Welded Steel Locker .....	186.26		21.37
		<i>For &gt;25 To 50, Deduct</i>	-7.79		
		<i>For &gt;50 To 100, Deduct</i>	-16.03		
		<i>For &gt;100, Deduct</i>	-24.28		
10 51 13 00-0056	EA	15" x 15" x 72" Single Tier, All-Welded Steel Locker .....	193.09		21.37
		<i>For &gt;25 To 50, Deduct</i>	-8.13		
		<i>For &gt;50 To 100, Deduct</i>	-16.71		
		<i>For &gt;100, Deduct</i>	-25.30		
10 51 13 00-0057	EA	15" x 18" x 72" Single Tier, All-Welded Steel Locker .....	198.72		21.37
		<i>For &gt;25 To 50, Deduct</i>	-8.41		
		<i>For &gt;50 To 100, Deduct</i>	-17.28		
		<i>For &gt;100, Deduct</i>	-26.15		
10 51 13 00-0058	EA	18" x 18" x 72" Single Tier, All-Welded Steel Locker .....	206.49		21.37
		<i>For &gt;25 To 50, Deduct</i>	-8.80		
		<i>For &gt;50 To 100, Deduct</i>	-18.05		
		<i>For &gt;100, Deduct</i>	-27.31		
10 51 13 00-0059	EA	18" x 21" x 72" Single Tier, All-Welded Steel Locker .....	215.23		21.37
		<i>For &gt;25 To 50, Deduct</i>	-9.24		
		<i>For &gt;50 To 100, Deduct</i>	-18.93		
		<i>For &gt;100, Deduct</i>	-28.62		
10 51 13 00-0060	EA	24" x 24" x 72" Single Tier, All-Welded Steel Locker .....	346.87		21.37
		<i>For &gt;25 To 50, Deduct</i>	-15.82		
		<i>For &gt;50 To 100, Deduct</i>	-32.09		
		<i>For &gt;100, Deduct</i>	-48.37		
<b>10 51 13 00-0061</b>		<b>Two Tier, All-Welded Steel Lockers</b> (10 51 13 00-0045) Note: Includes two single hooks and one double hook per tier.			
10 51 13 00-0062	EA	12" x 12" x 60" Two Tier, All-Welded Steel Locker.....	186.34		19.43
		<i>For &gt;25 To 50, Deduct</i>	-7.93		
		<i>For &gt;50 To 100, Deduct</i>	-16.28		
		<i>For &gt;100, Deduct</i>	-24.62		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0063	EA		12" x 15" x 60" Two Tier, All-Welded Steel Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	189.70 -8.10 -16.61 -25.13	19.43
10 51 13 00-0064	EA		12" x 18" x 60" Two Tier, All-Welded Steel Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	198.70 -8.55 -17.51 -26.48	19.43
10 51 13 00-0065	EA		12" x 12" x 72" Two Tier, All-Welded Steel Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	194.71 -8.21 -16.88 -25.54	21.37
10 51 13 00-0066	EA		12" x 15" x 72" Two Tier, All-Welded Steel Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	207.12 -8.83 -18.12 -27.41	21.37
10 51 13 00-0067	EA		12" x 18" x 72" Two Tier, All-Welded Steel Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	213.89 -9.17 -18.79 -28.42	21.37
10 51 13 00-0068	EA		15" x 15" x 72" Two Tier, All-Welded Steel Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	223.53 -9.65 -19.76 -29.87	21.37
10 51 13 00-0069	EA		15" x 18" x 72" Two Tier, All-Welded Steel Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	228.07 -9.88 -20.21 -30.55	21.37
10 51 13 00-0070	EA		18" x 18" x 72" Two Tier, All-Welded Steel Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	241.15 -10.53 -21.52 -32.51	21.37
10 51 13 00-0071	EA		18" x 21" x 72" Two Tier, All-Welded Steel Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	251.29 -11.04 -22.53 -34.03	21.37
<b>10 51 13 00-0072 Three Tier, All-Welded Steel Lockers</b> (10 51 13 00-0045)					
Note: Includes two single hooks and one double hook per tier.					
10 51 13 00-0073	EA		12" x 12" x 72" Three Tier, All-Welded Steel Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	229.68 -9.96 -20.37 -30.79	21.37
10 51 13 00-0074	EA		12" x 15" x 72" Three Tier, All-Welded Steel Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	234.76 -10.21 -20.88 -31.55	21.37
10 51 13 00-0075	EA		12" x 18" x 72" Three Tier, All-Welded Steel Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	239.81 -10.46 -21.39 -32.31	21.37
10 51 13 00-0076	EA		15" x 15" x 72" Three Tier, All-Welded Steel Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	251.77 -11.06 -22.58 -34.10	21.37
10 51 13 00-0077	EA		15" x 18" x 72" Three Tier, All-Welded Steel Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	253.98 -11.17 -22.80 -34.43	21.37
<b>10 51 13 00-0078 Four Tier, All-Welded Steel Lockers</b> (10 51 13 00-0045)					
10 51 13 00-0079	EA		12" x 12" x 72" Four Tier, All-Welded Steel Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	217.61 -9.35 -19.17 -28.98	21.37
10 51 13 00-0080	EA		12" x 15" x 72" Four Tier, All-Welded Steel Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	222.42 -9.60 -19.65 -29.70	21.37
10 51 13 00-0081	EA		12" x 18" x 72" Four Tier, All-Welded Steel Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	227.19 -9.83 -20.12 -30.42	21.37
10 51 13 00-0082	EA		15" x 15" x 72" Four Tier, All-Welded Steel Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	238.44 -10.40 -21.25 -32.10	21.37
10 51 13 00-0083	EA		15" x 18" x 72" Four Tier, All-Welded Steel Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	240.48 -10.50 -21.45 -32.41	21.37
<b>10 51 13 00-0084 Six Tier, All-Welded Steel Lockers</b> (10 51 13 00-0045)					
10 51 13 00-0085	EA		12" x 12" x 72" Six Tier, All-Welded Steel Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	225.08 -9.73 -19.91 -30.10	21.37

**10 Specialties****10 50 Storage Specialties****10 51 Lockers**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
10 51 13 00-0086	EA 12" x 15" x 72" Six Tier, All-Welded Steel Locker .....	232.09	21.37
	For >25 To 50, Deduct	-10.08	
	For >50 To 100, Deduct	-20.61	
	For >100, Deduct	-31.15	
10 51 13 00-0087	EA 12" x 18" x 72" Six Tier, All-Welded Steel Locker .....	237.25	21.37
	For >25 To 50, Deduct	-10.34	
	For >50 To 100, Deduct	-21.13	
	For >100, Deduct	-31.93	
<b>10 51 13 00-0088</b>	<b>All Welded Locker Accessories (10 51 13 00-0044)</b>		
10 51 13 00-0089	EA ADA Requirements For All Welded Lockers .....	103.33	
10 51 13 00-0090	EA Solid Boxed End Panel For 12" Deep All Welded Lockers .....	168.30	4.44
10 51 13 00-0091	EA Solid Boxed End Panel For 15" Deep All Welded Lockers .....	194.87	4.44
10 51 13 00-0092	EA Recessed Trim For All Welded Lockers .....	119.09	4.44
10 51 13 00-0093	EA Built In Combination Lock For All Welded Lockers .....	46.51	4.44
10 51 13 00-0094	EA Pad Lock For All Welded Lockers .....	33.48	4.44
<b>10 51 13 00-0095</b>	<b>Athletic Lockers (10 51 13)</b>		
	Note: Price per frame. Includes baked enamel paint, diamond perforated doors and sides, 16 gauge solid top, bottom, and shelves and 6" legs. Excludes slope top, base fillers, and locks.		
<b>10 51 13 00-0096</b>	<b>Single Tier Athletic Locker (10 51 13 00-0095)</b>		
	Note: Includes one hat shelf, three single hooks and one double hook.		
10 51 13 00-0097	EA 12" x 15" x 60" Single Tier Athletic Locker .....	423.87	35.52
	For >25 To 50, Deduct	-17.64	
	For >50 To 100, Deduct	-36.35	
	For >100, Deduct	-55.06	
10 51 13 00-0098	EA 12" x 18" x 60" Single Tier Athletic Locker .....	438.78	35.52
	For >25 To 50, Deduct	-18.39	
	For >50 To 100, Deduct	-37.84	
	For >100, Deduct	-57.29	
10 51 13 00-0099	EA 15" x 15" x 60" Single Tier Athletic Locker .....	448.36	35.52
	For >25 To 50, Deduct	-18.87	
	For >50 To 100, Deduct	-38.80	
	For >100, Deduct	-58.73	
10 51 13 00-0100	EA 15" x 18" x 60" Single Tier Athletic Locker .....	464.27	35.52
	For >25 To 50, Deduct	-19.66	
	For >50 To 100, Deduct	-40.39	
	For >100, Deduct	-61.12	
10 51 13 00-0101	EA 18" x 18" x 60" Single Tier Athletic Locker .....	532.89	35.52
	For >25 To 50, Deduct	-23.09	
	For >50 To 100, Deduct	-47.25	
	For >100, Deduct	-71.41	
10 51 13 00-0102	EA 18" x 21" x 60" Single Tier Athletic Locker .....	587.45	35.52
	For >25 To 50, Deduct	-25.82	
	For >50 To 100, Deduct	-52.71	
	For >100, Deduct	-79.59	
10 51 13 00-0103	EA 18" x 24" x 60" Single Tier Athletic Locker .....	624.77	35.52
	For >25 To 50, Deduct	-27.69	
	For >50 To 100, Deduct	-56.44	
	For >100, Deduct	-85.19	
10 51 13 00-0104	EA 12" x 15" x 72" Single Tier Athletic Locker .....	440.41	35.52
	For >25 To 50, Deduct	-18.47	
	For >50 To 100, Deduct	-38.00	
	For >100, Deduct	-57.54	
10 51 13 00-0105	EA 12" x 18" x 72" Single Tier Athletic Locker .....	467.26	35.52
	For >25 To 50, Deduct	-19.81	
	For >50 To 100, Deduct	-40.69	
	For >100, Deduct	-61.56	
10 51 13 00-0106	EA 15" x 15" x 72" Single Tier Athletic Locker .....	476.69	35.52
	For >25 To 50, Deduct	-20.28	
	For >50 To 100, Deduct	-41.63	
	For >100, Deduct	-62.98	
10 51 13 00-0107	EA 15" x 18" x 72" Single Tier Athletic Locker .....	493.92	35.52
	For >25 To 50, Deduct	-21.14	
	For >50 To 100, Deduct	-43.35	
	For >100, Deduct	-65.56	
10 51 13 00-0108	EA 18" x 18" x 72" Single Tier Athletic Locker .....	536.41	35.52
	For >25 To 50, Deduct	-23.27	
	For >50 To 100, Deduct	-47.60	
	For >100, Deduct	-71.94	
10 51 13 00-0109	EA 18" x 21" x 72" Single Tier Athletic Locker .....	580.93	35.52
	For >25 To 50, Deduct	-25.49	
	For >50 To 100, Deduct	-52.05	
	For >100, Deduct	-78.61	
<b>10 51 13 00-0110</b>	<b>Two Tier Athletic Locker (10 51 13 00-0095)</b>		
	Note: Includes three single hooks and one double hook per tier.		
10 51 13 00-0111	EA 12" x 12" x 60" Two Tier Athletic Locker .....	475.86	36.63
	For >25 To 50, Deduct	-20.13	
	For >50 To 100, Deduct	-41.36	
	For >100, Deduct	-62.59	
10 51 13 00-0112	EA 12" x 15" x 60" Two Tier Athletic Locker .....	491.72	36.63
	For >25 To 50, Deduct	-20.92	
	For >50 To 100, Deduct	-42.94	
	For >100, Deduct	-64.97	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0113	EA		12" x 18" x 60" Two Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	509.58 -21.82 -44.73 -67.65	36.63
10 51 13 00-0114	EA		15" x 15" x 60" Two Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	511.31 -21.90 -44.90 -67.91	36.63
10 51 13 00-0115	EA		15" x 18" x 60" Two Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	515.03 -22.09 -45.28 -68.46	36.63
10 51 13 00-0116	EA		18" x 18" x 60" Two Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	546.40 -23.66 -48.41 -73.17	36.63
10 51 13 00-0117	EA		18" x 21" x 60" Two Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	569.38 -24.81 -50.71 -76.62	36.63
10 51 13 00-0118	EA		18" x 24" x 60" Two Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	672.00 -29.94 -60.97 -92.01	36.63
10 51 13 00-0119	EA		12" x 12" x 72" Two Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	493.03 -20.99 -43.08 -65.16	36.63
10 51 13 00-0120	EA		12" x 15" x 72" Two Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	509.28 -21.80 -44.70 -67.60	36.63
10 51 13 00-0121	EA		12" x 18" x 72" Two Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	531.42 -22.91 -46.91 -70.92	36.63
10 51 13 00-0122	EA		15" x 15" x 72" Two Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	534.78 -23.08 -47.25 -71.43	36.63
10 51 13 00-0123	EA		15" x 18" x 72" Two Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	552.98 -23.99 -49.07 -74.16	36.63
10 51 13 00-0124	EA		18" x 18" x 72" Two Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	575.34 -25.10 -51.31 -77.51	36.63
10 51 13 00-0125	EA		18" x 21" x 72" Two Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	625.51 -27.61 -56.32 -85.04	36.63
10 51 13 00-0126			<b>Three Tier Athletic Locker</b> <small>(10 51 13 00-0095)</small> Note: Includes one double hook per tier.		
10 51 13 00-0127	EA		12" x 12" x 60" Three Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	516.28 -22.04 -45.21 -68.38	37.74
10 51 13 00-0128	EA		12" x 15" x 60" Three Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	541.99 -23.33 -47.78 -72.24	37.74
10 51 13 00-0129	EA		12" x 18" x 60" Three Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	564.71 -24.46 -50.06 -75.65	37.74
10 51 13 00-0130	EA		15" x 15" x 60" Three Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	580.15 -25.23 -51.60 -77.96	37.74
10 51 13 00-0131	EA		15" x 18" x 60" Three Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	605.85 -26.52 -54.17 -81.82	37.74
10 51 13 00-0132	EA		12" x 12" x 72" Three Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	545.57 -23.50 -48.14 -72.78	37.74
10 51 13 00-0133	EA		12" x 15" x 72" Three Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	568.78 -24.67 -50.46 -76.26	37.74
10 51 13 00-0134	EA		12" x 18" x 72" Three Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	600.82 -26.27 -53.67 -81.07	37.74

**10 Specialties****10 50 Storage Specialties****10 51 Lockers**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
10 51 13 00-0135	EA 15" x 15" x 72" Three Tier Athletic Locker..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	617.21 -27.09 -55.31 -83.52	37.74
10 51 13 00-0136	EA 15" x 18" x 72" Three Tier Athletic Locker..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	641.81 -28.32 -57.77 -87.21	37.74
<b>10 51 13 00-0137</b>	<b>Four Tier Athletic Locker</b> (10 51 13 00-0095)		
10 51 13 00-0138	EA 12" x 12" x 60" Four Tier Athletic Locker..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	474.65 -19.85 -40.86 -61.87	38.85
10 51 13 00-0139	EA 12" x 15" x 60" Four Tier Athletic Locker..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	506.14 -21.42 -44.01 -66.60	38.85
10 51 13 00-0140	EA 12" x 18" x 60" Four Tier Athletic Locker..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	537.62 -23.00 -47.16 -71.32	38.85
10 51 13 00-0141	EA 15" x 15" x 60" Four Tier Athletic Locker..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	550.49 -23.64 -48.44 -73.25	38.85
10 51 13 00-0142	EA 15" x 18" x 60" Four Tier Athletic Locker..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	602.20 -26.23 -53.62 -81.01	38.85
10 51 13 00-0143	EA 12" x 12" x 72" Four Tier Athletic Locker..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	506.69 -21.45 -44.06 -66.68	38.85
10 51 13 00-0144	EA 12" x 15" x 72" Four Tier Athletic Locker..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	538.62 -23.05 -47.26 -71.47	38.85
10 51 13 00-0145	EA 12" x 18" x 72" Four Tier Athletic Locker..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	570.55 -24.64 -50.45 -76.26	38.85
10 51 13 00-0146	EA 15" x 15" x 72" Four Tier Athletic Locker..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	586.91 -25.46 -52.09 -78.71	38.85
10 51 13 00-0147	EA 15" x 18" x 72" Four Tier Athletic Locker..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	599.18 -26.07 -53.31 -80.55	38.85
<b>10 51 13 00-0148</b>	<b>Six Tier Athletic Locker</b> (10 51 13 00-0095)		
10 51 13 00-0149	EA 12" x 12" x 72" Six Tier Athletic Locker..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	562.62 -24.14 -49.47 -74.80	39.96
10 51 13 00-0150	EA 12" x 15" x 72" Six Tier Athletic Locker..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	587.15 -25.36 -51.92 -78.48	39.96
10 51 13 00-0151	EA 12" x 18" x 72" Six Tier Athletic Locker..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	611.64 -26.59 -54.37 -82.16	39.96
10 51 13 00-0152	EA 12" x 21" x 72" Six Tier Athletic Locker..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	701.01 -31.05 -63.31 -95.56	39.96
<b>10 51 13 00-0153</b>	<b>Metal Locker Accessories</b> (10 51 13)		
<b>10 51 13 00-0154</b>	<b>Locker Slope Tops</b> (10 51 13 00-0153)		
<b>10 51 13 00-0155</b>	<b>16 Gauge Continuous Sloping Hood</b> (10 51 13 00-0154)		
10 51 13 00-0156	LF 12" Deep, 16 Gauge Continuous Slope Top.....	35.04	4.44
10 51 13 00-0157	LF 15" Deep, 16 Gauge Continuous Slope Top.....	29.45	4.44
10 51 13 00-0158	LF 18" Deep, 16 Gauge Continuous Slope Top.....	40.76	4.44
10 51 13 00-0159	LF 21" Deep, 16 Gauge Continuous Slope Top.....	45.10	4.44
10 51 13 00-0160	LF 24" Deep, 16 Gauge Continuous Slope Top.....	47.14	4.44
<b>10 51 13 00-0161</b>	<b>16 Gauge Slope Top Corner Fillers</b> (10 51 13 00-0154)		
10 51 13 00-0162	EA 12" Deep, 16 Gauge Slope Top Corner Fillers.....	147.20	4.44
10 51 13 00-0163	EA 15" Deep, 16 Gauge Slope Top Corner Fillers.....	150.37	4.44
10 51 13 00-0164	EA 18" Deep, 16 Gauge Slope Top Corner Fillers.....	153.52	4.44
10 51 13 00-0165	EA 21" Deep, 16 Gauge Slope Top Corner Fillers.....	157.35	4.44

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51	13 00-0166	EA	24" Deep, 16 Gauge Slope Top Corner Fillers .....	161.13	4.44
<b>10 51 13 00-0167 20 Gauge Individual Slope Top (10 51 13 00-0154)</b>					
10 51	13 00-0168	EA	12" Wide x 12" Deep 20 Gauge Individual Slope Top.....	30.00	4.44
10 51	13 00-0169	EA	12" Wide x 15" Deep 20 Gauge Individual Slope Top.....	29.80	4.44
10 51	13 00-0170	EA	12" Wide x 18" Deep 20 Gauge Individual Slope Top.....	33.24	4.44
10 51	13 00-0171	EA	15" Wide x 15" Deep 20 Gauge Individual Slope Top.....	33.24	4.44
10 51	13 00-0172	EA	15" Wide x 18" Deep 20 Gauge Individual Slope Top.....	34.05	4.44
10 51	13 00-0173	EA	15" Wide x 21" Deep 20 Gauge Individual Slope Top.....	37.31	4.44
10 51	13 00-0174	EA	18" Wide x 18" Deep 20 Gauge Individual Slope Top.....	37.31	4.44
10 51	13 00-0175	EA	18" Wide x 21" Deep 20 Gauge Individual Slope Top.....	41.58	4.44
10 51	13 00-0176	EA	18" Wide x 24" Deep 20 Gauge Individual Slope Top.....	46.67	4.44
<b>10 51 13 00-0177 Continuous Slope Top End Closures (10 51 13 00-0154)</b>					
10 51	13 00-0178	PR	12" Deep, Continuous Slope Top End Closures .....	32.03	4.44
10 51	13 00-0179	PR	15" Deep, Continuous Slope Top End Closures .....	27.12	4.44
10 51	13 00-0180	PR	18" Deep, Continuous Slope Top End Closures .....	36.08	4.44
10 51	13 00-0181	PR	21" Deep, Continuous Slope Top End Closures .....	38.12	4.44
10 51	13 00-0182	PR	24" Deep, Continuous Slope Top End Closures .....	39.51	4.44
<b>10 51 13 00-0183 Individual Slope Top End Closures (10 51 13 00-0154)</b>					
10 51	13 00-0184	EA	12" Deep, Individual Slope Top End Closures .....	20.45	4.44
10 51	13 00-0185	EA	15" Deep, Individual Slope Top End Closures.....	21.09	4.44
10 51	13 00-0186	EA	18" Deep, Individual Slope Top End Closures.....	22.50	4.44
10 51	13 00-0187	EA	21" Deep, Individual Slope Top End Closures.....	23.48	4.44
10 51	13 00-0188	EA	24" Deep, Individual Slope Top End Closures.....	33.50	4.44
<b>10 51 13 00-0189 Locker Base (10 51 13 00-0153)</b>					
<b>10 51 13 00-0190 Closed Front Base (10 51 13 00-0189)</b>					
10 51	13 00-0191	EA	12" Wide, 6" High Closed Front Base .....	21.54	4.44
10 51	13 00-0192	EA	15" Wide, 6" High Closed Front Base .....	22.60	4.44
10 51	13 00-0193	EA	18" Wide, 6" High Closed Front Base .....	24.81	4.44
10 51	13 00-0194	EA	24" Wide, 6" High Closed Front Base .....	25.87	4.44
<b>10 51 13 00-0195 Closed End Base (10 51 13 00-0189)</b>					
10 51	13 00-0196	EA	12" Deep, 6" High Closed End Base.....	24.48	4.44
10 51	13 00-0197	EA	15" Deep, 6" High Closed End Base.....	24.67	4.44
10 51	13 00-0198	EA	18" Deep, 6" High Closed End Base.....	26.10	4.44
10 51	13 00-0199	EA	21" Deep, 6" High Closed End Base.....	27.51	4.44
10 51	13 00-0200	EA	24" Deep, 6" High Closed End Base.....	29.43	4.44
<b>10 51 13 00-0201 Recessed Continuous Front "Z" Base (10 51 13 00-0189)</b>					
10 51	13 00-0202	LF	4" High Recessed Continuous Front "Z" Base.....	25.92	3.33
<b>10 51 13 00-0203 "Z" Base Ends Or Splice (10 51 13 00-0189)</b>					
10 51	13 00-0204	EA	12" Wide, 4" High Z-Base Ends Or Splice .....	25.63	4.44
10 51	13 00-0205	EA	15" Wide, 4" High Z-Base Ends Or Splice .....	29.80	4.44
10 51	13 00-0206	EA	18" Wide, 4" High Z-Base Ends Or Splice .....	34.05	4.44
10 51	13 00-0207	EA	21" Wide, 4" High Z-Base Ends Or Splice .....	38.53	4.44
10 51	13 00-0208	EA	24" Wide, 4" High Z-Base Ends Or Splice .....	42.99	4.44
<b>10 51 13 00-0209 Locker Front Fillers And End Panels (10 51 13 00-0153)</b>					
<b>10 51 13 00-0210 Locker Front Fillers (10 51 13 00-0209)</b>					
10 51	13 00-0211	EA	6" Wide x 48" High, 16 Gauge Front Filler .....	33.43	5.55
10 51	13 00-0212	EA	12" Wide x 48" High, 16 Gauge Front Filler .....	54.74	5.55
10 51	13 00-0213	EA	6" Wide x 60" High, 16 Gauge Front Filler .....	42.18	5.55
10 51	13 00-0214	EA	12" Wide x 60" High, 16 Gauge Front Filler .....	65.66	5.55
10 51	13 00-0215	EA	6" Wide x 66" High, 16 Gauge Front Filler .....	46.01	5.55
10 51	13 00-0216	EA	12" Wide x 66" High, 16 Gauge Front Filler .....	51.82	5.55
10 51	13 00-0217	EA	6" Wide x 72" High, 16 Gauge Front Filler .....	50.45	5.55
10 51	13 00-0218	EA	12" Wide x 72" High, 16 Gauge Front Filler .....	72.00	5.55
10 51	13 00-0219	EA	6" Wide x 78" High, 16 Gauge Front Filler .....	51.67	5.55
10 51	13 00-0220	EA	12" Wide x 78" High, 16 Gauge Front Filler .....	60.38	5.55
<b>10 51 13 00-0221 Locker End Panels (10 51 13 00-0209)</b>					
10 51	13 00-0222	EA	12" Deep x 48" High, 16 Gauge End Panel .....	55.87	4.44
10 51	13 00-0223	EA	15" Deep x 48" High, 16 Gauge End Panel .....	68.41	4.44
10 51	13 00-0224	EA	18" Deep x 48" High, 16 Gauge End Panel .....	80.48	4.44
10 51	13 00-0225	EA	12" Deep x 60" High, 16 Gauge End Panel .....	66.14	4.44
10 51	13 00-0226	EA	15" Deep x 60" High, 16 Gauge End Panel .....	75.14	4.44
10 51	13 00-0227	EA	18" Deep x 60" High, 16 Gauge End Panel .....	89.29	4.44
10 51	13 00-0228	EA	12" Deep x 72" High, 16 Gauge End Panel .....	78.10	4.44
10 51	13 00-0229	EA	15" Deep x 72" High, 16 Gauge End Panel .....	89.04	4.44

**10 Specialties**  
**10 50 Storage Specialties**  
**10 51 Lockers**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
10 51	13 00-0230	EA	18" Deep x 72" High, 16 Gauge End Panel .....	103.60	4.44
10 51	13 00-0231	EA	21" Deep x 72" High, 16 Gauge End Panel .....	119.41	4.44
<b>10 51</b>	<b>13 00-0232</b>		<b>Locker Recessed Trim</b> (10 51 13 00-0153)		
10 51	13 00-0233	LF	3" Height, Top Trim For Recessed Lockers .....	11.25	2.22
10 51	13 00-0234	EA	3" Height, Inside And Outside Top Corner Trim For Recessed Lockers .....	31.38	4.44
10 51	13 00-0235	EA	60" Height, 3" Wide Side Trim For Recessed Lockers .....	48.25	4.44
10 51	13 00-0236	EA	66" Height, 3" Wide Side Trim For Recessed Lockers .....	50.03	4.44
10 51	13 00-0237	EA	72" Height, 3" Wide Side Trim For Recessed Lockers .....	51.80	4.44
10 51	13 00-0238	EA	78" Height, 3" Wide Side Trim For Recessed Lockers .....	53.36	4.44
<b>10 51</b>	<b>13 00-0239</b>		<b>Locker Interior Accessories</b> (10 51 13 00-0153)		
<b>10 51</b>	<b>13 00-0240</b>		<b>Locker Coat Rods</b> (10 51 13 00-0239)		
10 51	13 00-0241	EA	12" Wide Coat Rod .....	16.54	4.44
10 51	13 00-0242	EA	15" Wide Coat Rod .....	18.19	4.44
10 51	13 00-0243	EA	18" Wide Coat Rod .....	19.66	4.44
10 51	13 00-0244	EA	24" Wide Coat Rod .....	20.96	4.44
<b>10 51</b>	<b>13 00-0245</b>		<b>Locker Hat Shelf</b> (10 51 13 00-0239)		
10 51	13 00-0246	EA	12" Wide Hat Shelf .....	20.03	4.44
10 51	13 00-0247	EA	15" Wide Hat Shelf .....	23.60	4.44
10 51	13 00-0248	EA	18" Wide Hat Shelf .....	25.12	4.44
10 51	13 00-0249	EA	24" Wide Hat Shelf .....	31.09	4.44
<b>10 51</b>	<b>13 00-0250</b>		<b>Locker ADA Compliant Shelf</b> (10 51 13 00-0239)		
10 51	13 00-0251	EA	ADA Compliant Shelf For Single Tier Lockers .....	40.10	5.55
			Note: Includes an ADA label for locker face.		
<b>10 51</b>	<b>13 00-0252</b>		<b>Other Interior Locker Accessories</b> (10 51 13 00-0239)		
10 51	13 00-0253	EA	3" x 10" Bent Plate Shoe Rack .....	53.50	4.44
10 51	13 00-0254	EA	8" x 10" Mirror .....	42.34	4.44
10 51	13 00-0255	EA	Additional Hook .....	11.67	4.44
<b>10 51</b>	<b>13 00-0256</b>		<b>Locker Locks</b> (10 51 13 00-0153)		
10 51	13 00-0257	EA	Built In Combination Lock .....	46.51	4.44
<b>10 51 26</b>	<b>Plastic Lockers</b> (10 51)				
<b>10 51 26 00-0001</b>	<b>Solid Plastic Lockers</b> (10 51 26)				
	Note: Price per frame. High density polyethylene with homogeneous color throughout. Includes 1/2" door, 3/8" sides, tops, bottoms, rears and shelves. Excludes slope top, base, and locks.				
<b>10 51 26 00-0002</b>	<b>Single Tier Solid Plastic Lockers</b> (10 51 26 00-0001)				
	Note: Includes one double hook per tier.				
10 51	26 00-0003	EA	12" x 12" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®) .....	481.91	34.40
			For >50 To 100, Deduct	-41.31	
			For >100, Deduct	-64.03	
10 51	26 00-0004	EA	12" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®) .....	490.20	34.40
			For >50 To 100, Deduct	-42.14	
			For >100, Deduct	-65.27	
10 51	26 00-0005	EA	12" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®) .....	498.49	34.40
			For >50 To 100, Deduct	-42.97	
			For >100, Deduct	-66.52	
10 51	26 00-0006	EA	15" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®) .....	510.91	34.40
			For >50 To 100, Deduct	-44.21	
			For >100, Deduct	-68.38	
10 51	26 00-0007	EA	15" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®) .....	497.77	34.40
			For >50 To 100, Deduct	-42.90	
			For >100, Deduct	-66.41	
10 51	26 00-0008	EA	18" x 12" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®) .....	501.26	34.40
			For >50 To 100, Deduct	-43.24	
			For >100, Deduct	-66.93	
10 51	26 00-0009	EA	18" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®) .....	495.13	34.40
			For >50 To 100, Deduct	-42.63	
			For >100, Deduct	-66.01	
10 51	26 00-0010	EA	18" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®) .....	529.35	34.40
			For >50 To 100, Deduct	-46.05	
			For >100, Deduct	-71.14	
10 51	26 00-0011	EA	12" x 12" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®) .....	521.45	34.40
			For >50 To 100, Deduct	-45.26	
			For >100, Deduct	-69.96	
10 51	26 00-0012	EA	12" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®) .....	530.66	34.40
			For >50 To 100, Deduct	-46.18	
			For >100, Deduct	-71.34	
10 51	26 00-0013	EA	12" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®) .....	539.87	34.40
			For >50 To 100, Deduct	-47.11	
			For >100, Deduct	-72.72	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 51 26 00-0014	EA	15" x 15" x 48"	Single Tier Solid Plastic Locker (Tufftec Lockers®)	560.92	34.40
			<i>For &gt;50 To 100, Deduct</i>	-49.21	
			<i>For &gt;100, Deduct</i>	-75.88	
10 51 26 00-0015	EA	15" x 18" x 48"	Single Tier Solid Plastic Locker (Tufftec Lockers®)	589.88	34.40
			<i>For &gt;50 To 100, Deduct</i>	-52.11	
			<i>For &gt;100, Deduct</i>	-80.22	
10 51 26 00-0016	EA	18" x 15" x 48"	Single Tier Solid Plastic Locker (Tufftec Lockers®)	563.55	34.40
			<i>For &gt;50 To 100, Deduct</i>	-49.47	
			<i>For &gt;100, Deduct</i>	-76.27	
10 51 26 00-0017	EA	18" x 18" x 48"	Single Tier Solid Plastic Locker (Tufftec Lockers®)	610.91	34.40
			<i>For &gt;50 To 100, Deduct</i>	-54.21	
			<i>For &gt;100, Deduct</i>	-83.38	
10 51 26 00-0018	EA	12" x 12" x 60"	Single Tier Solid Plastic Locker (Tufftec Lockers®)	525.12	34.40
			<i>For &gt;50 To 100, Deduct</i>	-45.63	
			<i>For &gt;100, Deduct</i>	-70.51	
10 51 26 00-0019	EA	12" x 15" x 60"	Single Tier Solid Plastic Locker (Tufftec Lockers®)	552.11	34.40
			<i>For &gt;50 To 100, Deduct</i>	-48.33	
			<i>For &gt;100, Deduct</i>	-74.56	
10 51 26 00-0020	EA	12" x 18" x 60"	Single Tier Solid Plastic Locker (Tufftec Lockers®)	579.12	34.40
			<i>For &gt;50 To 100, Deduct</i>	-51.03	
			<i>For &gt;100, Deduct</i>	-78.61	
10 51 26 00-0021	EA	15" x 12" x 60"	Single Tier Solid Plastic Locker (Tufftec Lockers®)	559.34	34.40
			<i>For &gt;50 To 100, Deduct</i>	-49.05	
			<i>For &gt;100, Deduct</i>	-75.64	
10 51 26 00-0022	EA	15" x 15" x 60"	Single Tier Solid Plastic Locker (Tufftec Lockers®)	587.95	34.40
			<i>For &gt;50 To 100, Deduct</i>	-51.91	
			<i>For &gt;100, Deduct</i>	-79.93	
10 51 26 00-0023	EA	15" x 18" x 60"	Single Tier Solid Plastic Locker (Tufftec Lockers®)	616.58	34.40
			<i>For &gt;50 To 100, Deduct</i>	-54.78	
			<i>For &gt;100, Deduct</i>	-84.23	
10 51 26 00-0024	EA	18" x 12" x 60"	Single Tier Solid Plastic Locker (Tufftec Lockers®)	593.56	34.40
			<i>For &gt;50 To 100, Deduct</i>	-52.47	
			<i>For &gt;100, Deduct</i>	-80.78	
10 51 26 00-0025	EA	18" x 15" x 60"	Single Tier Solid Plastic Locker (Tufftec Lockers®)	623.81	34.40
			<i>For &gt;50 To 100, Deduct</i>	-55.50	
			<i>For &gt;100, Deduct</i>	-85.31	
10 51 26 00-0026	EA	12" x 12" x 72"	Single Tier Solid Plastic Locker (Tufftec Lockers®)	599.03	35.52
			<i>For &gt;50 To 100, Deduct</i>	-52.80	
			<i>For &gt;100, Deduct</i>	-81.33	
10 51 26 00-0027	EA	12" x 15" x 72"	Single Tier Solid Plastic Locker (Tufftec Lockers®)	629.29	35.52
			<i>For &gt;50 To 100, Deduct</i>	-55.83	
			<i>For &gt;100, Deduct</i>	-85.87	
10 51 26 00-0028	EA	12" x 18" x 72"	Single Tier Solid Plastic Locker (Tufftec Lockers®)	659.52	35.52
			<i>For &gt;50 To 100, Deduct</i>	-58.85	
			<i>For &gt;100, Deduct</i>	-90.40	
10 51 26 00-0029	EA	15" x 12" x 72"	Single Tier Solid Plastic Locker (Tufftec Lockers®)	638.30	35.52
			<i>For &gt;50 To 100, Deduct</i>	-56.73	
			<i>For &gt;100, Deduct</i>	-87.22	
10 51 26 00-0030	EA	15" x 15" x 72"	Single Tier Solid Plastic Locker (Tufftec Lockers®)	670.22	35.52
			<i>For &gt;50 To 100, Deduct</i>	-59.92	
			<i>For &gt;100, Deduct</i>	-92.01	
10 51 26 00-0031	EA	15" x 18" x 72"	Single Tier Solid Plastic Locker (Tufftec Lockers®)	702.10	35.52
			<i>For &gt;50 To 100, Deduct</i>	-63.11	
			<i>For &gt;100, Deduct</i>	-96.79	
10 51 26 00-0032	EA	18" x 12" x 72"	Single Tier Solid Plastic Locker (Tufftec Lockers®)	669.61	35.52
			<i>For &gt;50 To 100, Deduct</i>	-59.86	
			<i>For &gt;100, Deduct</i>	-91.92	
10 51 26 00-0033	EA	18" x 15" x 72"	Single Tier Solid Plastic Locker (Tufftec Lockers®)	711.11	35.52
			<i>For &gt;50 To 100, Deduct</i>	-64.01	
			<i>For &gt;100, Deduct</i>	-98.14	
10 51 26 00-0034	EA	18" x 18" x 72"	Single Tier Solid Plastic Locker (Tufftec Lockers®)	744.63	35.52
			<i>For &gt;50 To 100, Deduct</i>	-67.36	
			<i>For &gt;100, Deduct</i>	-103.17	

**10 51 26 00-0035 Double Tier Solid Plastic Lockers** (10 51 26 00-0001)

Note: Includes one double hook per tier.

10 51 26 00-0036	EA	12" x 12" x 48"	Double Tier Solid Plastic Locker (Tufftec Lockers®)	539.45	35.52
			<i>For &gt;50 To 100, Deduct</i>	-46.84	
			<i>For &gt;100, Deduct</i>	-72.39	
10 51 26 00-0037	EA	12" x 15" x 48"	Double Tier Solid Plastic Locker (Tufftec Lockers®)	547.35	35.52
			<i>For &gt;50 To 100, Deduct</i>	-47.63	
			<i>For &gt;100, Deduct</i>	-73.58	
10 51 26 00-0038	EA	12" x 18" x 48"	Double Tier Solid Plastic Locker (Tufftec Lockers®)	559.18	35.52
			<i>For &gt;50 To 100, Deduct</i>	-48.82	
			<i>For &gt;100, Deduct</i>	-75.35	
10 51 26 00-0039	EA	15" x 12" x 48"	Double Tier Solid Plastic Locker (Tufftec Lockers®)	555.24	35.52
			<i>For &gt;50 To 100, Deduct</i>	-48.42	
			<i>For &gt;100, Deduct</i>	-74.76	
10 51 26 00-0040	EA	15" x 15" x 48"	Double Tier Solid Plastic Locker (Tufftec Lockers®)	576.30	35.52
			<i>For &gt;50 To 100, Deduct</i>	-50.53	
			<i>For &gt;100, Deduct</i>	-77.92	
10 51 26 00-0041	EA	15" x 18" x 48"	Double Tier Solid Plastic Locker (Tufftec Lockers®)	626.29	35.52
			<i>For &gt;50 To 100, Deduct</i>	-55.53	
			<i>For &gt;100, Deduct</i>	-85.42	
10 51 26 00-0042	EA	18" x 12" x 48"	Double Tier Solid Plastic Locker (Tufftec Lockers®)	560.51	35.52
			<i>For &gt;50 To 100, Deduct</i>	-48.95	
			<i>For &gt;100, Deduct</i>	-75.55	

**10 Specialties**  
**10 50 Storage Specialties**  
**10 51 Lockers**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0043	EA		18" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®) .....	585.97	35.52
			For >50 To 100, Deduct	-51.49	
			For >100, Deduct	-79.37	
10 51 26 00-0044	EA		18" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®) .....	631.56	35.52
			For >50 To 100, Deduct	-56.05	
			For >100, Deduct	-86.21	
10 51 26 00-0045	EA		12" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®) .....	557.56	35.52
			For >50 To 100, Deduct	-48.65	
			For >100, Deduct	-75.11	
10 51 26 00-0046	EA		12" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®) .....	598.77	35.52
			For >50 To 100, Deduct	-52.77	
			For >100, Deduct	-81.29	
10 51 26 00-0047	EA		12" x 18" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®) .....	610.55	35.52
			For >50 To 100, Deduct	-53.95	
			For >100, Deduct	-83.06	
10 51 26 00-0048	EA		15" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®) .....	605.66	35.52
			For >50 To 100, Deduct	-53.46	
			For >100, Deduct	-82.33	
10 51 26 00-0049	EA		15" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®) .....	632.98	35.52
			For >50 To 100, Deduct	-56.20	
			For >100, Deduct	-86.42	
10 51 26 00-0050	EA		18" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®) .....	638.32	35.52
			For >50 To 100, Deduct	-56.73	
			For >100, Deduct	-87.22	
10 51 26 00-0051	EA		18" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®) .....	667.20	35.52
			For >50 To 100, Deduct	-59.62	
			For >100, Deduct	-91.56	
10 51 26 00-0052	EA		18" x 18" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®) .....	696.08	35.52
			For >50 To 100, Deduct	-62.51	
			For >100, Deduct	-95.89	
10 51 26 00-0053	EA		12" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) .....	643.66	36.63
			For >50 To 100, Deduct	-57.04	
			For >100, Deduct	-87.76	
10 51 26 00-0054	EA		12" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) .....	672.54	36.63
			For >50 To 100, Deduct	-59.93	
			For >100, Deduct	-92.09	
10 51 26 00-0055	EA		12" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) .....	687.59	36.63
			For >50 To 100, Deduct	-61.43	
			For >100, Deduct	-94.35	
10 51 26 00-0056	EA		15" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) .....	681.15	36.63
			For >50 To 100, Deduct	-60.79	
			For >100, Deduct	-93.38	
10 51 26 00-0057	EA		15" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) .....	711.61	36.63
			For >50 To 100, Deduct	-63.84	
			For >100, Deduct	-97.95	
10 51 26 00-0058	EA		15" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) .....	742.06	36.63
			For >50 To 100, Deduct	-66.88	
			For >100, Deduct	-102.52	
10 51 26 00-0059	EA		18" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) .....	686.60	36.63
			For >50 To 100, Deduct	-61.33	
			For >100, Deduct	-94.20	
10 51 26 00-0060	EA		18" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) .....	750.65	36.63
			For >50 To 100, Deduct	-67.74	
			For >100, Deduct	-103.81	
10 51 26 00-0061	EA		18" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) .....	782.64	36.63
			For >50 To 100, Deduct	-70.94	
			For >100, Deduct	-108.60	
<b>10 51 26 00-0062</b>			<b>Triple Tier Solid Plastic Lockers (10 51 26 00-0001)</b>		
			Note: Includes one double hook per tier.		
10 51 26 00-0063	EA		12" x 12" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®) .....	531.81	36.63
			For >50 To 100, Deduct	-45.86	
			For >100, Deduct	-70.98	
10 51 26 00-0064	EA		15" x 15" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®) .....	553.48	36.63
			For >50 To 100, Deduct	-48.02	
			For >100, Deduct	-74.23	
10 51 26 00-0065	EA		15" x 18" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®) .....	573.35	36.63
			For >50 To 100, Deduct	-50.01	
			For >100, Deduct	-77.21	
10 51 26 00-0066	EA		12" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®) .....	577.20	36.63
			For >50 To 100, Deduct	-50.39	
			For >100, Deduct	-77.79	
10 51 26 00-0067	EA		12" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®) .....	623.50	36.63
			For >50 To 100, Deduct	-55.02	
			For >100, Deduct	-84.73	
10 51 26 00-0068	EA		12" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®) .....	623.72	36.63
			For >50 To 100, Deduct	-55.05	
			For >100, Deduct	-84.77	
10 51 26 00-0069	EA		15" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®) .....	648.98	36.63
			For >50 To 100, Deduct	-57.57	
			For >100, Deduct	-88.56	
10 51 26 00-0070	EA		15" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®) .....	674.35	36.63
			For >50 To 100, Deduct	-60.11	
			For >100, Deduct	-92.36	
10 51 26 00-0071	EA		15" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®) .....	699.71	36.63
			For >50 To 100, Deduct	-62.65	
			For >100, Deduct	-96.17	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0072	EA		18" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	679.32 -60.61 -93.11	36.63
10 51 26 00-0073	EA		18" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	706.13 -63.29 -97.13	36.63
10 51 26 00-0074	EA		18" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	732.94 -65.97 -101.15	36.63
10 51 26 00-0075	EA		12" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	684.41 -60.89 -93.60	37.74
10 51 26 00-0076	EA		12" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	711.24 -63.58 -97.63	37.74
10 51 26 00-0077	EA		12" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	730.07 -65.46 -100.45	37.74
10 51 26 00-0078	EA		15" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	719.23 -64.38 -98.83	37.74
10 51 26 00-0079	EA		15" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	727.73 -65.23 -100.10	37.74
10 51 26 00-0080	EA		15" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	758.38 -68.29 -104.70	37.74
10 51 26 00-0081	EA		18" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	707.05 -63.16 -97.00	37.74
10 51 26 00-0082	EA		18" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	769.36 -69.39 -106.35	37.74
10 51 26 00-0083	EA		18" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	813.47 -73.80 -112.96	37.74
<b>10 51 26 00-0084 Four Tier Solid Plastic Lockers (10 51 26 00-0001)</b>					
10 51 26 00-0085	EA		12" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	616.26 -54.08 -83.38	37.74
10 51 26 00-0086	EA		12" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	633.85 -55.84 -86.02	37.74
10 51 26 00-0087	EA		12" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	666.27 -59.08 -90.88	37.74
10 51 26 00-0088	EA		15" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	662.31 -58.68 -90.29	37.74
10 51 26 00-0089	EA		15" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	704.32 -62.88 -96.59	37.74
10 51 26 00-0090	EA		15" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	717.57 -64.21 -98.58	37.74
10 51 26 00-0091	EA		18" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	710.99 -63.55 -97.59	37.74
10 51 26 00-0092	EA		18" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	733.36 -65.79 -100.95	37.74
10 51 26 00-0093	EA		18" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	797.85 -72.24 -110.62	37.74
10 51 26 00-0094	EA		12" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	707.89 -63.02 -96.86	38.85
10 51 26 00-0095	EA		12" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	739.07 -66.14 -101.54	38.85
10 51 26 00-0096	EA		12" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	743.14 -66.54 -102.15	38.85
10 51 26 00-0097	EA		15" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	782.43 -70.47 -108.04	38.85
10 51 26 00-0098	EA		15" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	746.07 -66.84 -102.59	38.85
10 51 26 00-0099	EA		15" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	779.01 -70.13 -107.53	38.85
10 51 26 00-0100	EA		18" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	744.81 -66.71 -102.40	38.85
10 51 26 00-0101	EA		18" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	784.28 -70.66 -108.32	38.85

**10 Specialties**  
**10 50 Storage Specialties**  
**10 51 Lockers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0102	EA		18" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®) .....	843.42	38.85
			<i>For &gt;50 To 100, Deduct</i> .....	-76.57	
			<i>For &gt;100, Deduct</i> .....	-117.19	
<b>10 51 26 00-0103</b>			<b>Five Tier Solid Plastic Lockers</b> (10 51 26 00-0001)		
10 51 26 00-0104	EA		12" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®) .....	669.27	38.29
			<i>For &gt;50 To 100, Deduct</i> .....	-59.27	
			<i>For &gt;100, Deduct</i> .....	-91.20	
10 51 26 00-0105	EA		12" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®) .....	691.05	38.29
			<i>For &gt;50 To 100, Deduct</i> .....	-61.45	
			<i>For &gt;100, Deduct</i> .....	-94.47	
10 51 26 00-0106	EA		12" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®) .....	712.82	38.29
			<i>For &gt;50 To 100, Deduct</i> .....	-63.62	
			<i>For &gt;100, Deduct</i> .....	-97.73	
10 51 26 00-0107	EA		15" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®) .....	698.96	38.29
			<i>For &gt;50 To 100, Deduct</i> .....	-62.24	
			<i>For &gt;100, Deduct</i> .....	-95.65	
10 51 26 00-0108	EA		15" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®) .....	737.96	38.29
			<i>For &gt;50 To 100, Deduct</i> .....	-66.14	
			<i>For &gt;100, Deduct</i> .....	-101.50	
10 51 26 00-0109	EA		15" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®) .....	756.84	38.29
			<i>For &gt;50 To 100, Deduct</i> .....	-68.03	
			<i>For &gt;100, Deduct</i> .....	-104.34	
10 51 26 00-0110	EA		18" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®) .....	750.26	38.29
			<i>For &gt;50 To 100, Deduct</i> .....	-67.37	
			<i>For &gt;100, Deduct</i> .....	-103.35	
10 51 26 00-0111	EA		18" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®) .....	771.32	38.29
			<i>For &gt;50 To 100, Deduct</i> .....	-69.47	
			<i>For &gt;100, Deduct</i> .....	-106.51	
10 51 26 00-0112	EA		18" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®) .....	839.74	38.29
			<i>For &gt;50 To 100, Deduct</i> .....	-76.32	
			<i>For &gt;100, Deduct</i> .....	-116.77	
10 51 26 00-0113	EA		12" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®) .....	729.31	39.41
			<i>For &gt;50 To 100, Deduct</i> .....	-65.05	
			<i>For &gt;100, Deduct</i> .....	-99.94	
10 51 26 00-0114	EA		12" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®) .....	753.73	39.41
			<i>For &gt;50 To 100, Deduct</i> .....	-67.49	
			<i>For &gt;100, Deduct</i> .....	-103.60	
10 51 26 00-0115	EA		12" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®) .....	778.13	39.41
			<i>For &gt;50 To 100, Deduct</i> .....	-69.93	
			<i>For &gt;100, Deduct</i> .....	-107.26	
10 51 26 00-0116	EA		15" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®) .....	769.59	39.41
			<i>For &gt;50 To 100, Deduct</i> .....	-69.08	
			<i>For &gt;100, Deduct</i> .....	-105.98	
10 51 26 00-0117	EA		15" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®) .....	786.76	39.41
			<i>For &gt;50 To 100, Deduct</i> .....	-70.80	
			<i>For &gt;100, Deduct</i> .....	-108.56	
10 51 26 00-0118	EA		15" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®) .....	812.48	39.41
			<i>For &gt;50 To 100, Deduct</i> .....	-73.37	
			<i>For &gt;100, Deduct</i> .....	-112.42	
10 51 26 00-0119	EA		18" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®) .....	792.72	39.41
			<i>For &gt;50 To 100, Deduct</i> .....	-71.39	
			<i>For &gt;100, Deduct</i> .....	-109.45	
10 51 26 00-0120	EA		18" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®) .....	822.21	39.41
			<i>For &gt;50 To 100, Deduct</i> .....	-74.34	
			<i>For &gt;100, Deduct</i> .....	-113.88	
10 51 26 00-0121	EA		18" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®) .....	856.43	39.41
			<i>For &gt;50 To 100, Deduct</i> .....	-77.76	
			<i>For &gt;100, Deduct</i> .....	-119.01	
<b>10 51 26 00-0122</b>			<b>Six Tier Solid Plastic Lockers</b> (10 51 26 00-0001)		
10 51 26 00-0123	EA		15" x 12" x 60" Six Tier Solid Plastic Locker (Tufftec Lockers®) .....	769.89	38.85
			<i>For &gt;50 To 100, Deduct</i> .....	-69.22	
			<i>For &gt;100, Deduct</i> .....	-106.16	
10 51 26 00-0124	EA		12" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®) .....	756.20	39.96
			<i>For &gt;50 To 100, Deduct</i> .....	-67.63	
			<i>For &gt;100, Deduct</i> .....	-103.84	
10 51 26 00-0125	EA		12" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®) .....	780.58	39.96
			<i>For &gt;50 To 100, Deduct</i> .....	-70.07	
			<i>For &gt;100, Deduct</i> .....	-107.50	
10 51 26 00-0126	EA		12" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®) .....	796.86	39.96
			<i>For &gt;50 To 100, Deduct</i> .....	-71.69	
			<i>For &gt;100, Deduct</i> .....	-109.94	
10 51 26 00-0127	EA		15" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®) .....	829.37	39.96
			<i>For &gt;50 To 100, Deduct</i> .....	-74.95	
			<i>For &gt;100, Deduct</i> .....	-114.82	
10 51 26 00-0128	EA		15" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®) .....	838.86	39.96
			<i>For &gt;50 To 100, Deduct</i> .....	-75.89	
			<i>For &gt;100, Deduct</i> .....	-116.24	
10 51 26 00-0129	EA		15" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®) .....	845.64	39.96
			<i>For &gt;50 To 100, Deduct</i> .....	-76.57	
			<i>For &gt;100, Deduct</i> .....	-117.26	
10 51 26 00-0130	EA		18" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®) .....	848.34	39.96
			<i>For &gt;50 To 100, Deduct</i> .....	-76.84	
			<i>For &gt;100, Deduct</i> .....	-117.66	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 51 26 00-0131	EA		18" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)..... For >50 To 100, Deduct For >100, Deduct	878.15 -79.82 -122.13	39.96
10 51 26 00-0132	EA		18" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)..... For >50 To 100, Deduct For >100, Deduct	917.46 -83.75 -128.03	39.96
10 51 26 00-0133			<b>Solid Plastic Locker Accessories</b> (10 51 26 00-0001)		
10 51 26 00-0134			<b>Slope Tops For Solid Plastic Lockers</b> (10 51 26 00-0133) Note: Price per frame.		
10 51 26 00-0135	EA		Slope Top For Solid Plastic Lockers (Tufftec Lockers®).....	37.04	
10 51 26 00-0136			<b>Recessed Bases For Solid Plastic Lockers</b> (10 51 26 00-0133) Note: Price per frame.		
10 51 26 00-0137	EA		Recessed Base For Solid Plastic Lockers (Tufftec Lockers®).....	40.55	
10 51 26 00-0138			<b>End Panels For Solid Plastic Lockers</b> (10 51 26 00-0133) Note: Price per frame.		
10 51 26 00-0139	EA		End Panel For Solid Plastic Lockers (Tufftec Lockers®) .....	91.58	
10 51 26 00-0140			<b>Venting Options For Solid Plastic Locker Doors</b> (10 51 26 00-0133) Note: Price per frame.		
10 51 26 00-0141	EA		Horizontal Venting Option For Solid Plastic Locker Doors.....	35.19	
10 51 26 00-0142			<b>Filler Panels For Solid Plastic Lockers</b> (10 51 26 00-0133)		
10 51 26 00-0143	EA		Up To 6" Width, Filler Panel For Solid Plastic Lockers (Tufftec Lockers®)..... Note: Full locker height. Width and height cut to size in the field.	98.13	
10 51 26 00-0144			<b>Locker Accessories For Solid Plastic Lockers</b> (10 51 26 00-0133)		
10 51 26 00-0145	EA		Built In Hasp For Solid Plastic Lockers..... Note: For removable padlocks. Excludes padlock.	8.79	
10 51 26 00-0146	EA		Built In Combination Lock For Solid Plastic Lockers.....	26.40	
10 51 26 00-0147	EA		Built In Key Lock For Solid Plastic Lockers.....	35.19	
<b>10 51 53</b>			<b>Locker Room Benches</b> (10 51)		
10 51 53 00-0001	LF		9-1/2" Wide Top, 17" To 19" Height, Hardwood Bench With Aluminum Pedestals.....	119.78	5.55
10 51 53 00-0002	LF		9-1/2" Wide Top, 17" To 19" Height, Hardwood Bench With Painted Steel Pedestals.....	95.15	5.55
10 51 53 00-0003	LF		9-1/2" Wide Top, 17" To 19" Height, Plastic Laminated Bench With Steel Pedestals.....	146.54	5.55
10 51 53 00-0004	LF		9-1/2" Wide Top, 17" To 19" Height, Solid Plastic Bench With Steel Pedestals .....	139.94	5.55
10 51 53 00-0005	LF		9-1/2" Wide Top, 17" To 19" Height, Aluminum Bench With Aluminum Pedestals .....	108.21	5.55
10 56			<b>Storage Assemblies</b> (10 50)		
<b>10 56 13</b>			<b>Metal Storage Shelving</b> (10 56)		
<b>10 56 13 16</b>			<b>Post-And-Shelf Metal Storage Shelving</b> (10 56 13)		
10 56 13 16-0001			<b>Baked Enamel Steel Shelving</b> (10 56 13 16)		
10 56 13 16-0002			<b>7 Shelf Unit, 72" Or 87" High, Full Unit, Open Type</b> (10 56 13 16-0001)		
10 56 13 16-0003	LF		75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 10" Wide Shelf..... For >75" To 87" High, Add	128.67 11.07	20.33
10 56 13 16-0004	LF		75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 12" Wide Shelf..... For >75" To 87" High, Add	129.13 11.01	21.35
10 56 13 16-0005	LF		75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 15" Wide Shelf..... For >75" To 87" High, Add	124.56 10.39	23.39
10 56 13 16-0006	LF		75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 18" Wide Shelf..... For >75" To 87" High, Add	157.50 13.55	25.42
10 56 13 16-0007	LF		75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 24" Wide Shelf..... For >75" To 87" High, Add	176.36 15.28	26.44
10 56 13 16-0008	LF		75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 30" Wide Shelf..... For >75" To 87" High, Add	170.41 14.55	28.47
10 56 13 16-0009	LF		75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 36" Wide Shelf..... For >75" To 87" High, Add	189.10 16.26	30.50
10 56 13 16-0010			<b>3 Shelf Unit, 32" High Base Unit Only, Fully Enclosed</b> (10 56 13 16-0001) Note: Adjustable shelves.		
10 56 13 16-0011	LF		32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 10" Wide Shelf.....	91.82	10.37
10 56 13 16-0012	LF		32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 12" Wide Shelf.....	90.96	11.08
10 56 13 16-0013	LF		32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 15" Wide Shelf.....	102.08	11.79
10 56 13 16-0014	LF		32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 18" Wide Shelf.....	106.20	12.51
10 56 13 16-0015	LF		32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 24" Wide Shelf.....	122.18	13.32
10 56 13 16-0016			<b>4 Shelf Unit, 40" High Unit</b> (10 56 13 16-0001)		
10 56 13 16-0017	LF		40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 10" Wide Shelf.....	107.77	20.33

**10 Specialties**  
**10 50 Storage Specialties**  
**10 56 Storage Assemblies**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 56 13 16-0018	LF		40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 12" Wide Shelf .....	88.32	21.35
10 56 13 16-0019	LF		40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 15" Wide Shelf .....	101.14	23.39
10 56 13 16-0020	LF		40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 18" Wide Shelf .....	106.60	25.42
10 56 13 16-0021	LF		40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 24" Wide Shelf .....	121.57	26.44
<b>10 56 16 Fabricated Wood Storage Shelving (10 56)</b>					
<b>10 56 16 00-0001 Shelving (10 56 16)</b>					
<b>10 56 16 00-0002 Built-In Wood Shelving (10 56 16 00-0001)</b>					
Note: Priced by shelf area. Includes hardware and trim.					
10 56 16 00-0003	SF		Built-in Wood Storage Shelving Post And Trimmed Plywood .....	21.37	2.80
For Each SF Of Lumber Edge Band, Add				0.69	
For Each SF Of Prefinished Shelves, Add				2.32	
10 56 16 00-0004	SF		Built-in Wood Storage Shelving Post And Solid Clear Pine .....	23.02	3.36
For Each SF Of Lumber Edge Band, Add				0.69	
For Each SF Of Prefinished Shelves, Add				2.32	
10 56 16 00-0005	SF		Built-in Wood Storage Shelving Closet Shelf Of Pine With Rod.....	23.31	5.59
For Each SF Of Lumber Edge Band, Add				0.69	
For Each SF Of Prefinished Shelves, Add				2.32	
<b>10 56 16 00-0006 Wood Shelving, White Pine, Clear Grade, Wall Mounted (10 56 16 00-0001)</b>					
10 56 16 00-0007	LF		1" x 8" White Pine Clear Grade Wood Shelving.....	17.82	6.72
10 56 16 00-0008	LF		1" x 10" White Pine Clear Grade Wood Shelving.....	19.56	7.17
10 56 16 00-0009	LF		1" x 12" White Pine Clear Grade Wood Shelving.....	21.51	7.73
10 56 16 00-0010	SF		Wood Shelving, 2" White Pine Clear Grade.....	27.92	
<b>10 56 16 00-0011 Plywood Shelf With Edge Band (10 56 16 00-0001)</b>					
10 56 16 00-0012	LF		12" Wide, 3/4" Plywood Shelf With Edge Band.....	21.63	6.72
10 56 16 00-0013	LF		24" Wide, 3/4" Plywood Shelf With Edge Band.....	33.51	8.40
<b>10 56 16 00-0014 Adjustable Shelf And Rod (10 56 16 00-0001)</b>					
10 56 16 00-0015	EA		12" Wide Adjustable Shelf, 3' To 6' Long.....	188.43	25.19
Note: Including Rod					
10 56 16 00-0016	EA		12" Wide Adjustable Shelf, 5' To 8' Long.....	222.66	33.59
Note: Including Rod					
<b>10 56 16 00-0017 Prefinished Wood Shelves With Brackets And Supports (10 56 16 00-0001)</b>					
10 56 16 00-0018	LF		Prefinished Wood Shelves, 8" Wide, With Brackets And Supports.....	18.84	6.72
10 56 16 00-0019	LF		Prefinished Wood Shelves, 10" Wide, With Brackets And Supports.....	20.47	7.17
10 56 16 00-0020	SF		Adjustable 3/4" Plastic Laminated Wood Shelves, Recessed Metal Standards.....	65.52	11.20
<b>10 56 16 00-0021 Wood Shelving, Oak, Clear Grade, Wall Mounted (10 56 16 00-0001)</b>					
10 56 16 00-0022	LF		Wood Shelving, 1" X 8" Oak Clear Grade.....	21.20	10.53
<b>10 56 17 Wall-Mounted Standards and Shelving (10 56)</b>					
<b>10 56 17 00-0001 Galvanized Steel, Wall Mounted Solid Shelving (10 56 17)</b>					
Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.					
10 56 17 00-0002	LF		8" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving.....	75.64	11.10
For Installation On Concrete Walls, Add				2.51	
For Installation On Concrete Block Walls, Add				4.38	
10 56 17 00-0003	LF		10" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving.....	78.23	11.10
For Installation On Concrete Walls, Add				2.51	
For Installation On Concrete Block Walls, Add				4.38	
10 56 17 00-0004	LF		12" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving.....	84.21	11.10
For Installation On Concrete Walls, Add				2.51	
For Installation On Concrete Block Walls, Add				4.38	
10 56 17 00-0005	LF		16" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving.....	91.93	11.10
For Installation On Concrete Walls, Add				2.51	
For Installation On Concrete Block Walls, Add				4.38	
10 56 17 00-0006	LF		18" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving.....	93.85	11.10
For Installation On Concrete Walls, Add				2.51	
For Installation On Concrete Block Walls, Add				4.38	
10 56 17 00-0007	LF		24" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving.....	110.41	11.10
For Installation On Concrete Walls, Add				2.51	
For Installation On Concrete Block Walls, Add				4.38	
<b>10 56 17 00-0008 304 Stainless Steel, Wall Mounted Solid Shelving (10 56 17)</b>					
Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.					
10 56 17 00-0009	LF		8" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving.....	122.58	11.10
For Installation On Concrete Walls, Add				2.51	
For Installation On Concrete Block Walls, Add				4.38	
10 56 17 00-0010	LF		10" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving.....	134.31	11.10
For Installation On Concrete Walls, Add				2.51	
For Installation On Concrete Block Walls, Add				4.38	
10 56 17 00-0011	LF		12" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving.....	146.08	11.10
For Installation On Concrete Walls, Add				2.51	
For Installation On Concrete Block Walls, Add				4.38	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 56 17 00-0012	LF		16" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving.....	173.15	11.10
			For Installation On Concrete Walls, Add	2.51	
			For Installation On Concrete Block Walls, Add	4.38	
10 56 17 00-0013	LF		18" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving.....	189.17	11.10
			For Installation On Concrete Walls, Add	2.51	
			For Installation On Concrete Block Walls, Add	4.38	
10 56 17 00-0014	LF		24" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving.....	212.31	11.10
			For Installation On Concrete Walls, Add	2.51	
			For Installation On Concrete Block Walls, Add	4.38	
<b>10 56 17 00-0015</b>			<b>Laminated Particleboard, Wall Mounted Solid Shelving (10 56 17)</b>		
			Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0016	LF		8" Depth, Laminated Particleboard, Wall Mounted Solid Shelving.....	51.27	11.10
			For Installation On Concrete Walls, Add	2.51	
			For Installation On Concrete Block Walls, Add	4.38	
10 56 17 00-0017	LF		10" Depth, Laminated Particleboard, Wall Mounted Solid Shelving.....	53.02	11.10
			For Installation On Concrete Walls, Add	2.51	
			For Installation On Concrete Block Walls, Add	4.38	
10 56 17 00-0018	LF		12" Depth, Laminated Particleboard, Wall Mounted Solid Shelving.....	55.13	11.10
			For Installation On Concrete Walls, Add	2.51	
			For Installation On Concrete Block Walls, Add	4.38	
10 56 17 00-0019	LF		16" Depth, Laminated Particleboard, Wall Mounted Solid Shelving.....	58.19	11.10
			For Installation On Concrete Walls, Add	2.51	
			For Installation On Concrete Block Walls, Add	4.38	
10 56 17 00-0020	LF		18" Depth, Laminated Particleboard, Wall Mounted Solid Shelving.....	61.90	11.10
			For Installation On Concrete Walls, Add	2.51	
			For Installation On Concrete Block Walls, Add	4.38	
10 56 17 00-0021	LF		24" Depth, Laminated Particleboard, Wall Mounted Solid Shelving.....	71.87	11.10
			For Installation On Concrete Walls, Add	2.51	
			For Installation On Concrete Block Walls, Add	4.38	
<b>10 56 17 00-0022</b>			<b>Chrome Plated Steel, Wall Mounted Wire Shelving (10 56 17)</b>		
			Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0023	LF		14" Depth, Chrome Plated Steel, Wall Mounted Wire Shelving.....	74.01	11.10
			For Installation On Concrete Walls, Add	2.51	
			For Installation On Concrete Block Walls, Add	4.38	
10 56 17 00-0024	LF		18" Depth, Chrome Plated Steel, Wall Mounted Wire Shelving.....	83.03	11.10
			For Installation On Concrete Walls, Add	2.51	
			For Installation On Concrete Block Walls, Add	4.38	
<b>10 56 17 00-0025</b>			<b>Stainless Steel, Wall Mounted Wire Shelving (10 56 17)</b>		
			Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0026	LF		14" Depth, Stainless Steel, Wall Mounted Wire Shelving.....	172.05	11.10
			For Installation On Concrete Walls, Add	2.51	
			For Installation On Concrete Block Walls, Add	4.38	
10 56 17 00-0027	LF		18" Depth, Stainless Steel, Wall Mounted Wire Shelving.....	178.96	11.10
			For Installation On Concrete Walls, Add	2.51	
			For Installation On Concrete Block Walls, Add	4.38	
<b>10 56 17 00-0028</b>			<b>Prefinished Hardwood Plywood, Wall Mounted Solid Shelving (10 56 17)</b>		
			Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0029	LF		8" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving.....	54.16	11.10
			For Installation On Concrete Walls, Add	3.74	
			For Installation On Concrete Block Walls, Add	5.61	
10 56 17 00-0030	LF		10" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving.....	55.37	11.10
			For Installation On Concrete Walls, Add	3.77	
			For Installation On Concrete Block Walls, Add	5.64	
10 56 17 00-0031	LF		12" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving.....	56.18	11.10
			For Installation On Concrete Walls, Add	3.81	
			For Installation On Concrete Block Walls, Add	5.68	
10 56 17 00-0032	LF		16" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving.....	59.01	11.10
			For Installation On Concrete Walls, Add	3.87	
			For Installation On Concrete Block Walls, Add	5.74	
10 56 17 00-0033	LF		18" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving.....	60.46	11.10
			For Installation On Concrete Walls, Add	3.90	
			For Installation On Concrete Block Walls, Add	5.77	
10 56 17 00-0034	LF		24" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving.....	64.81	11.10
			For Installation On Concrete Walls, Add	3.99	
			For Installation On Concrete Block Walls, Add	5.86	
<b>10 56 17 00-0035</b>			<b>Wall Mounted Shelving Accessories (10 56 17)</b>		
10 56 17 00-0036	LF		Removal And Reinstallation Of Single Shelf Metal Storage Shelving Unit.....	33.29	
<b>10 57</b>			<b>Wardrobe And Closet Specialties (10 50)</b>		
<b>10 57 13</b>			<b>Hat And Coat Racks (10 57)</b>		
10 57 13 00-0001			Hat And Coat Rack (10 57 13)		
10 57 13 00-0002			Single Tier (10 57 13 00-0001)		
10 57 13 00-0003	LF		Single Tier Hat And Coat Rack Baked Enameled Steel.....	61.65	5.55
			For Custom Made Units, Add	28.16	

**10 Specialties****10 50 Storage Specialties****10 57 Wardrobe And Closet Specialties**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

10 57 13 00-0004	LF	Single Tier Hat And Coat Rack Stainless Steel.....	42.78	5.55
		<i>For Custom Made Units, Add</i>	16.84	
10 57 13 00-0005	LF	Single Tier Hat And Coat Rack Aluminum .....	95.74	5.55
		<i>For Custom Made Units, Add</i>	48.62	

**10 57 13 00-0006 Double Tier (10 57 13 00-0001)**

10 57 13 00-0007	LF	Double Tier Hat And Coat Rack Baked Enameled Steel .....	82.44	5.55
		<i>For Custom Made Units, Add</i>	38.55	
10 57 13 00-0008	LF	Double Tier Hat And Coat Rack Stainless Steel .....	48.74	5.55
		<i>For Custom Made Units, Add</i>	18.33	
10 57 13 00-0009	LF	Double Tier Hat And Coat Rack Aluminum.....	159.79	5.55
		<i>For Custom Made Units, Add</i>	84.96	

**10 57 43 Wardrobe Units (10 57)****10 57 43 00-0001 Dormitory Wardrobe Units (10 57 43)**

10 57 43 00-0002	EA	24" x 24" x 68" Hardwood Veneer Dormitory Wardrobe Unit With Door .....	1,781.63	205.56
		<i>For Custom Made Units, Add</i>	925.09	
10 57 43 00-0003	EA	24" x 24" x 68" Plastic Laminate Dormitory Wardrobe Unit With Door .....	1,379.06	205.56
		<i>For Custom Made Units, Add</i>	683.55	

**10 57 43 00-0004 Hospital Wardrobe Units 24" x 24" x 76" With Door (10 57 43)**

10 57 43 00-0005	EA	Baked Enamel Steel Hospital Wardrobe 24" x 24" x 76" Unit With Door .....	1,038.70	205.56
		<i>For Custom Made Units, Add</i>	479.34	
10 57 43 00-0006	EA	Hardwood Hospital Wardrobe 24" x 24" x 76" Unit With Door .....	1,728.81	205.56
		<i>For Custom Made Units, Add</i>	893.40	
10 57 43 00-0007	EA	Stainless Steel Hospital Wardrobe 24" x 24" x 76" Unit With Door .....	1,420.17	205.56
		<i>For Custom Made Units, Add</i>	708.22	
10 57 43 00-0008	EA	Plastic Laminate Hospital Wardrobe 24" x 24" x 76" Unit With Door.....	2,974.58	205.56
		<i>For Custom Made Units, Add</i>	1,640.86	

**10 70 Exterior Specialties (10)****10 71 Exterior Protection (10 70)****10 71 13 Exterior Sun Control Devices (10 71)****10 71 13 13 Exterior Shutters (10 71 13)****10 71 13 13-0001 Exterior Shutters, High Impact Resistant Plastic, Unfinished (10 71 13 13)****10 71 13 13-0002 Louvered Decorative Shutters (10 71 13 13-0001)**

10 71 13 13-0003	PR	15" x 25" Louvered Shutter, High Impact Resistant Plastic.....	96.85	33.55
		<i>For Colored Finish, Add</i>	9.38	
10 71 13 13-0004	PR	15" x 31" Louvered Shutter, High Impact Resistant Plastic.....	104.69	35.23
		<i>For Colored Finish, Add</i>	10.39	
10 71 13 13-0005	PR	15" x 36" Louvered Shutter, High Impact Resistant Plastic.....	112.58	36.90
		<i>For Colored Finish, Add</i>	11.41	
10 71 13 13-0006	PR	15" x 39" Louvered Shutter, High Impact Resistant Plastic.....	119.80	38.58
		<i>For Colored Finish, Add</i>	12.31	
10 71 13 13-0007	PR	15" x 43" Louvered Shutter, High Impact Resistant Plastic.....	127.92	40.25
		<i>For Colored Finish, Add</i>	13.37	
10 71 13 13-0008	PR	15" x 48" Louvered Shutter, High Impact Resistant Plastic.....	136.37	41.93
		<i>For Colored Finish, Add</i>	14.48	
10 71 13 13-0009	PR	15" x 52" Louvered Shutter, High Impact Resistant Plastic.....	142.27	43.61
		<i>For Colored Finish, Add</i>	15.14	
10 71 13 13-0010	PR	15" x 55" Louvered Shutter, High Impact Resistant Plastic.....	148.77	45.28
		<i>For Colored Finish, Add</i>	15.91	
10 71 13 13-0011	PR	15" x 60" Louvered Shutter, High Impact Resistant Plastic.....	157.34	46.96
		<i>For Colored Finish, Add</i>	17.05	
10 71 13 13-0012	PR	15" x 64" Louvered Shutter, High Impact Resistant Plastic.....	168.64	48.64
		<i>For Colored Finish, Add</i>	18.68	
10 71 13 13-0013	PR	15" x 67" Louvered Shutter, High Impact Resistant Plastic.....	174.25	50.31
		<i>For Colored Finish, Add</i>	19.29	
10 71 13 13-0014	PR	15" x 72" Louvered Shutter, High Impact Resistant Plastic.....	188.32	51.99
		<i>For Colored Finish, Add</i>	21.42	
10 71 13 13-0015	PR	15" x 75" Louvered Shutter, High Impact Resistant Plastic.....	193.88	53.67
		<i>For Colored Finish, Add</i>	22.02	
10 71 13 13-0016	PR	15" x 80" Louvered Shutter, High Impact Resistant Plastic.....	203.82	55.34
		<i>For Colored Finish, Add</i>	23.41	

**10 71 13 13-0017 Raised Panel Decorative Shutters (10 71 13 13-0001)**

10 71 13 13-0018	PR	15" x 35" Raised Panel Shutter, High Impact Resistant Plastic .....	133.57	36.90
		<i>For Colored Finish, Add</i>	15.19	
10 71 13 13-0019	PR	15" x 39" Raised Panel Shutter, High Impact Resistant Plastic .....	142.91	38.58
		<i>For Colored Finish, Add</i>	16.47	
10 71 13 13-0020	PR	15" x 43" Raised Panel Shutter, High Impact Resistant Plastic .....	149.20	40.25
		<i>For Colored Finish, Add</i>	17.20	
10 71 13 13-0021	PR	15" x 47" Raised Panel Shutter, High Impact Resistant Plastic .....	158.80	41.93
		<i>For Colored Finish, Add</i>	18.52	
10 71 13 13-0022	PR	15" x 51" Raised Panel Shutter, High Impact Resistant Plastic .....	167.11	43.61
		<i>For Colored Finish, Add</i>	19.61	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0023	PR		15" x 55" Raised Panel Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	174.96 20.62	45.28
10 71 13 13-0024	PR		15" x 59" Raised Panel Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	185.46 22.11	46.96
10 71 13 13-0025	PR		15" x 63" Raised Panel Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	199.16 24.18	48.64
10 71 13 13-0026	PR		15" x 67" Raised Panel Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	208.90 25.53	50.31
10 71 13 13-0027	PR		15" x 71" Raised Panel Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	219.81 27.09	51.99
10 71 13 13-0028	PR		15" x 75" Raised Panel Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	223.72 27.39	53.67
10 71 13 13-0029	PR		15" x 81" Raised Panel Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	231.70 28.42	55.34
<b>10 71 13 13-0030</b>			<b>Exterior Spanish Cedar Shutters</b> <small>(10 71 13 13)</small>		
<b>10 71 13 13-0031</b>			<b>12" Width</b> <small>(10 71 13 13-0030)</small>		
10 71 13 13-0032	PR		12" x 36" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	394.49 150.00	33.55
10 71 13 13-0033	PR		12" x 42" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	426.39 150.00	36.90
10 71 13 13-0034	PR		12" x 48" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	456.05 150.00	38.58
10 71 13 13-0035	PR		12" x 54" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	487.95 150.00	41.93
10 71 13 13-0036	PR		12" x 60" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	517.64 150.00	43.61
10 71 13 13-0037	PR		12" x 66" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	551.82 150.00	46.96
10 71 13 13-0038	PR		12" x 72" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	581.49 150.00	48.64
10 71 13 13-0039	PR		12" x 78" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	611.16 150.00	50.31
10 71 13 13-0040	PR		12" x 84" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	643.06 150.00	53.67
<b>10 71 13 13-0041</b>			<b>14" Width</b> <small>(10 71 13 13-0030)</small>		
10 71 13 13-0042	PR		14" x 36" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	417.35 150.00	33.55
10 71 13 13-0043	PR		14" x 42" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	453.82 150.00	36.90
10 71 13 13-0044	PR		14" x 48" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	488.07 150.00	38.58
10 71 13 13-0045	PR		14" x 54" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	524.53 150.00	41.93
10 71 13 13-0046	PR		14" x 60" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	558.77 150.00	43.61
10 71 13 13-0047	PR		14" x 66" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	595.26 150.00	46.96
10 71 13 13-0048	PR		14" x 72" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	629.49 150.00	48.64
10 71 13 13-0049	PR		14" x 78" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	661.45 150.00	50.31
10 71 13 13-0050	PR		14" x 84" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	697.92 150.00	53.67
<b>10 71 13 13-0051</b>			<b>16" Width</b> <small>(10 71 13 13-0030)</small>		
10 71 13 13-0052	PR		16" x 36" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	442.49 150.00	33.55
10 71 13 13-0053	PR		16" x 42" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	481.25 150.00	36.90
10 71 13 13-0054	PR		16" x 48" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	520.07 150.00	38.58
10 71 13 13-0055	PR		16" x 54" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	558.82 150.00	41.93
10 71 13 13-0056	PR		16" x 60" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	597.64 150.00	43.61
10 71 13 13-0057	PR		16" x 66" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	638.69 150.00	46.96
10 71 13 13-0058	PR		16" x 72" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	675.21 150.00	48.64
10 71 13 13-0059	PR		16" x 78" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	714.03 150.00	50.31
10 71 13 13-0060	PR		16" x 84" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	755.07 150.00	53.67
<b>10 71 13 13-0061</b>			<b>18" Width</b> <small>(10 71 13 13-0030)</small>		
10 71 13 13-0062	PR		18" x 36" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	465.35 150.00	33.55
10 71 13 13-0063	PR		18" x 42" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	508.69 150.00	36.90
10 71 13 13-0064	PR		18" x 48" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	552.07 150.00	38.58

**10 Specialties**  
**10 70 Exterior Specialties**  
**10 71 Exterior Protection**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0065	PR		18" x 54" Spanish Cedar Raised Panel Or Louvered Shutter ..... <i>For Arched Tops, Add</i>	595.40 150.00	41.93
10 71 13 13-0066	PR		18" x 60" Spanish Cedar Raised Panel Or Louvered Shutter ..... <i>For Arched Tops, Add</i>	636.50 150.00	43.61
10 71 13 13-0067	PR		18" x 66" Spanish Cedar Raised Panel Or Louvered Shutter ..... <i>For Arched Tops, Add</i>	682.12 150.00	46.96
10 71 13 13-0068	PR		18" x 72" Spanish Cedar Raised Panel Or Louvered Shutter ..... <i>For Arched Tops, Add</i>	723.22 150.00	48.64
10 71 13 13-0069	PR		18" x 78" Spanish Cedar Raised Panel Or Louvered Shutter ..... <i>For Arched Tops, Add</i>	766.61 150.00	50.31
10 71 13 13-0070	PR		18" x 84" Spanish Cedar Raised Panel Or Louvered Shutter ..... <i>For Arched Tops, Add</i>	809.94 150.00	53.67
<b>10 71 13 13-0071 20" Width</b> <small>(10 71 13 13-0030)</small>					
10 71 13 13-0072	PR		20" x 36" Spanish Cedar Raised Panel Or Louvered Shutter ..... <i>For Arched Tops, Add</i>	488.21 150.00	33.55
10 71 13 13-0073	PR		20" x 42" Spanish Cedar Raised Panel Or Louvered Shutter ..... <i>For Arched Tops, Add</i>	536.12 150.00	36.90
10 71 13 13-0074	PR		20" x 48" Spanish Cedar Raised Panel Or Louvered Shutter ..... <i>For Arched Tops, Add</i>	581.79 150.00	38.58
10 71 13 13-0075	PR		20" x 54" Spanish Cedar Raised Panel Or Louvered Shutter ..... <i>For Arched Tops, Add</i>	631.97 150.00	41.93
10 71 13 13-0076	PR		20" x 60" Spanish Cedar Raised Panel Or Louvered Shutter ..... <i>For Arched Tops, Add</i>	677.65 150.00	43.61
10 71 13 13-0077	PR		20" x 66" Spanish Cedar Raised Panel Or Louvered Shutter ..... <i>For Arched Tops, Add</i>	725.56 150.00	46.96
10 71 13 13-0078	PR		20" x 72" Spanish Cedar Raised Panel Or Louvered Shutter ..... <i>For Arched Tops, Add</i>	771.22 150.00	48.64
10 71 13 13-0079	PR		20" x 78" Spanish Cedar Raised Panel Or Louvered Shutter ..... <i>For Arched Tops, Add</i>	816.90 150.00	50.31
10 71 13 13-0080	PR		20" x 84" Spanish Cedar Raised Panel Or Louvered Shutter ..... <i>For Arched Tops, Add</i>	864.80 150.00	53.67
<b>10 73 Protective Covers</b> <small>(10 70)</small>					
<b>10 73 13 Awnings</b> <small>(10 73)</small>					
<b>10 73 13 13 Metal Awnings</b> <small>(10 73 13)</small>					
<b>10 73 13 13-0001 Metal Awnings</b> <small>(10 73 13 13)</small>					
Note: Includes metal cover, frame supports and anchoring.					
10 73 13 13-0002	SF		Clear Weather Resistant Finish, Ribbed Aluminum Window Awnings .....	53.42	8.35
10 73 13 13-0003	SF		Baked Enamel Finish, Ribbed Aluminum Window Awning .....	47.32	7.48
10 73 13 13-0004	SF		Flat Roofed Steel Awning .....	190.61	8.67
Note: Per SF of covered area					
10 73 13 13-0005	SF		Arched Roofed Steel Awning (Per SF Of Covered Area).....	196.76	9.75
<b>10 73 13 23 Fabric Awnings</b> <small>(10 73 13)</small>					
<b>10 73 13 23-0001 Canvas Awnings</b> <small>(10 73 13 23)</small>					
Note: Includes minimum 12 oz. canvas, frame supports and anchoring.					
10 73 13 23-0002	SF		Canvas Awning, Waterproof Fabric Tubular Metal Framing .....	51.88	7.50
10 73 13 23-0003	SF		Side Protection Canvas For Walkways (Per SF Of Wall Area) .....	28.89	2.41
10 73 13 23-0004	SF		Removal And Replacement Of Canvas For Awnings.....	24.23	
Note: Includes removal of existing canvas cover.					
<i>For 18 Oz. Vinyl Laminated Polyester Cover, Add</i> <span style="float: right;">0.77</span>					
<b>10 73 16 Canopies</b> <small>(10 73)</small>					
<b>10 73 16 13 Metal Canopies</b> <small>(10 73 16)</small>					
<b>10 73 16 13-0001 Canopies, Wall Hung, Aluminum Framed And Covered, Prefinished</b> <small>(10 73 16 13)</small>					
Note: Includes cover, frame supports and anchoring.					
10 73 16 13-0002	EA		8' x 10' Canopy, Aluminum, Wall Hung .....	4,812.99	461.40
10 73 16 13-0003	EA		8' x 20' Canopy, Aluminum, Wall Hung .....	8,810.15	738.41
10 73 16 13-0004	EA		10' x 10' Canopy, Aluminum, Wall Hung .....	5,934.10	577.30
10 73 16 13-0005	EA		10' x 20' Canopy, Aluminum, Wall Hung .....	10,592.77	771.98
<b>10 73 26 Walkway Coverings</b> <small>(10 73)</small>					
Note: Pre-engineered includes all framing and steel supports, integral gutter system. Excludes foundations.					
<b>10 73 26 13 Metal Walkway Coverings</b> <small>(10 73 26)</small>					
<b>10 73 26 13-0001 Steel Walkway/Parking Covers</b> <small>(10 73 26 13)</small>					
Note: Factory applied polyester finish.					
10 73 26 13-0002	SF		Flat Roofed Steel Walkway/Parking Cover .....	94.07	6.52
Note: Includes factory applied polyester finish.					
<i>For Snow Load (30 PSF), Add</i> <span style="float: right;">32.41</span>					
<i>For Wind Load (140 MPH), Add</i> <span style="float: right;">40.52</span>					
10 73 26 13-0003	SF		Arch Roofed Steel Walkway/Parking Cover .....	100.14	7.03
Note: Includes factory applied polyester finish.					
<i>For Snow Load (30 PSF), Add</i> <span style="float: right;">34.44</span>					
<i>For Wind Load (140 MPH), Add</i> <span style="float: right;">43.05</span>					

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**10 73 26 13-0004 Aluminum Walkway/Parking Covers** (10 73 26 13)

10 73 26 13-0005	SF		Flat Roofed Aluminum Walkway/Parking Cover ..... Note: Includes factory applied polyester finish. For Snow Load (30 PSF), Add For Wind Load (140 MPH), Add	45.68 13.06 16.32	6.52
10 73 26 13-0006	SF		Arch Roofed Aluminum Walkway/Parking Cover ..... Note: Includes factory applied polyester finish. For Snow Load (30 PSF), Add For Wind Load (140 MPH), Add	49.64 14.24 17.80	7.03

**10 75 Flagpoles** (10 70)

Note: Metal bases are installed in a concrete base and fully rigged. Heights indicated are from ground to top of installed flag pole. Uninstalled lengths are longer. Includes top ball (color and material similar to pole), cleats and cleat cover, all caulking and sealants, and hoisting into place. Excludes excavation and concrete. See CSI section 10 75 16 00-0021 for bases.

**10 75 16 Ground-Set Flagpoles** (10 75)

**10 75 16 00-0001 Free Standing Tapered Fiberglass Flagpoles** (10 75 16)

10 75 16 00-0002	EA	25'	Exposed Height, Tapered White Fiberglass Flagpole ..... Note: 6-1/2" butt diameter, 3" top diameter and 0.180" wall. For Internal Halyard, Cam System, Add For Bronze Finish, Add For Rope Lock Box, Add	2,855.22 300.00 20.00 96.00	876.58
10 75 16 00-0003	EA	30'	Exposed Height, Tapered White Fiberglass Flagpole ..... Note: 6-1/2" butt diameter, 3" top diameter and 0.180" wall. For Internal Halyard, Cam System, Add For Bronze Finish, Add For Rope Lock Box, Add	3,065.71 300.00 50.00 96.00	956.25
10 75 16 00-0004	EA	35'	Exposed Height, Tapered White Fiberglass Flagpole ..... Note: 7" butt diameter, 3" top diameter and 0.200" wall. For Internal Halyard, Cam System, Add For Bronze Finish, Add For Rope Lock Box, Add	3,795.12 300.00 10.00 96.00	1,115.62
10 75 16 00-0005	EA	40'	Exposed Height, Tapered White Fiberglass Flagpole ..... Note: 7" butt diameter, 3" top diameter and 0.200" wall. For Internal Halyard, Cam System, Add For Bronze Finish, Add For Rope Lock Box, Add	4,389.59 300.00 50.00 96.00	1,275.25
10 75 16 00-0006	EA	50'	Exposed Height, Tapered White Fiberglass Flagpole ..... Note: 10" butt diameter, 4-1/2" top diameter and 0.275" wall. For Internal Halyard, Winch System, Add For Bronze Finish, Add For Rope Lock Box, Add	7,470.59 1,700.00 200.00 96.00	1,434.58
10 75 16 00-0007	EA	60'	Exposed Height, Tapered White Fiberglass Flagpole ..... Note: 10-1/2" butt diameter, 4-1/2" top diameter and 0.300" wall. For Internal Halyard, Winch System, Add For Bronze Finish, Add For Rope Lock Box, Add	8,810.37 1,900.00 160.00 96.00	1,593.74
10 75 16 00-0008	EA	70'	Exposed Height, Tapered White Fiberglass Flagpole ..... Note: 16" butt diameter, 7" top diameter and 0.325" wall. For Internal Halyard, Winch System, Add For Bronze Finish, Add For Rope Lock Box, Add	14,454.98 2,860.00 700.00 96.00	1,753.65
10 75 16 00-0009	EA	78'	Exposed Height, Tapered White Fiberglass Flagpole ..... Note: 10-3/4" butt diameter, 7" top diameter and 0.350" wall. For Internal Halyard, Winch System, Add For Bronze Finish, Add For Rope Lock Box, Add	18,467.62 2,900.00 900.00 96.00	1,912.49

**10 75 16 00-0010 Free Standing Tapered Aluminum Flagpoles** (10 75 16)

10 75 16 00-0011	EA	20'	Exposed Height, Tapered Satin Aluminum Flagpole ..... Note: Heavy duty. Note: 5" butt diameter, 3" top diameter and 0.188" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	2,857.62 570.00 150.00 180.00 230.00 96.00	797.07
10 75 16 00-0012	EA	25'	Exposed Height, Tapered Satin Aluminum Flagpole ..... Note: 5-1/2" butt diameter, 3-1/2" top diameter and 0.188" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	3,377.71 1,100.00 200.00 230.00 320.00 96.00	876.58
10 75 16 00-0013	EA	30'	Exposed Height, Tapered Satin Aluminum Flagpole ..... Note: 6" butt diameter, 3-1/2" top diameter and 0.188" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	3,743.63 1,390.00 240.00 290.00 400.00 96.00	956.25

**10 Specialties**  
**10 70 Exterior Specialties**  
**10 75 Flagpoles**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 75 16 00-0014	EA		35' Exposed Height, Tapered Satin Aluminum Flagpole..... Note: 7" butt diameter, 3-1/2" top diameter and 0.188" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	4,722.13 1,340.00 290.00 360.00 480.00 96.00	1,115.62
10 75 16 00-0015	EA		40' Exposed Height, Tapered Satin Aluminum Flagpole..... Note: 8" butt diameter, 3-1/2" top diameter and 0.188" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	5,803.40 1,490.00 390.00 480.00 660.00 96.00	1,275.25
10 75 16 00-0016	EA		45' Exposed Height, Tapered Satin Aluminum Flagpole..... Note: 8" butt diameter, 3-1/2" top diameter and 0.188" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	6,405.71 1,340.00 400.00 500.00 700.00 96.00	1,354.88
10 75 16 00-0017	EA		50' Exposed Height, Tapered Satin Aluminum Flagpole..... Note: 10" butt diameter, 4" top diameter and 0.188" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	7,963.81 1,380.00 700.00 860.00 1,130.00 96.00	1,434.58
10 75 16 00-0018	EA		60' Exposed Height, Tapered Satin Aluminum Flagpole..... Note: 12" butt diameter, 4" top diameter and 0.250" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	13,371.82 1,800.00 620.00 820.00 1,160.00 96.00	1,593.74
10 75 16 00-0019	EA		70' Exposed Height, Tapered Satin Aluminum Flagpole..... Note: 12" butt diameter, 4" top diameter and 0.250" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	14,638.09 1,720.00 710.00 950.00 1,360.00 96.00	1,753.65
10 75 16 00-0020	EA		80' Exposed Height, Tapered Satin Aluminum Flagpole..... Note: 12" butt diameter, 4" top diameter and 0.375" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	18,216.76 2,600.00 1,100.00 1,380.00 1,840.00 96.00	1,912.49
10 75 16 00-0021			<b>Flagpole Bases</b> <small>(10 75 16)</small>		
10 75 16 00-0022			<b>Flagpole Concrete Base</b> <small>(10 75 16 00-0021)</small> Note: Includes excavation, forms where necessary, steel casing and reinforcing, metal collar installation, base plate, sand fill, ground spike, concrete and finishing of concrete.		
10 75 16 00-0023	EA		30' Or Less Flagpole, Poured Concrete Foundation.....	1,383.69	
10 75 16 00-0024	EA		35' Flagpole, Poured Concrete Foundation.....	1,430.76	
10 75 16 00-0025	EA		40' Flagpole, Poured Concrete Foundation.....	1,645.96	
10 75 16 00-0026	EA		45' Flagpole, Poured Concrete Foundation.....	1,741.22	
10 75 16 00-0027	EA		50' Flagpole, Poured Concrete Foundation.....	2,086.68	
10 75 16 00-0028	EA		60' Flagpole, Poured Concrete Foundation.....	2,527.93	
10 75 16 00-0029	EA		70' Flagpole, Poured Concrete Foundation.....	2,990.81	
10 75 16 00-0030	EA		80' Flagpole, Poured Concrete Foundation.....	3,480.50	
10 75 16 00-0031	EA		90' To 100' Flagpole, Poured Concrete Foundation.....	4,060.91	
10 75 16 00-0032			<b>Direct Embedded Flagpole Base</b> <small>(10 75 16 00-0021)</small> Note: Augured in place, no concrete required.		
10 75 16 00-0033	EA		20' To 25' Flagpole, Direct Embedded Pole Base.....	612.52	
10 75 16 00-0034	EA		30' To 40' Flagpole, Direct Embedded Pole Base.....	879.21	
10 75 16 00-0035	EA		45' To 55' Flagpole, Direct Embedded Pole Base.....	981.50	
10 75 16 00-0036	EA		60' To 70' Flagpole, Direct Embedded Pole Base.....	1,105.52	
10 75 16 00-0037			<b>Flagpole Accessories</b> <small>(10 75 16)</small>		
10 75 16 00-0038			<b>Flagpole Tops</b> <small>(10 75 16 00-0037)</small> Note: To be used on renovation of existing flagpole. Do not use in conjunction with installation of new flagpoles.		
10 75 16 00-0039	EA		4" Gold Anodized Aluminum Ball For Top Of Flagpole.....	123.16	47.20
10 75 16 00-0040	EA		5" Gold Anodized Aluminum Ball For Top Of Flagpole.....	133.85	49.97
10 75 16 00-0041	EA		6" Gold Anodized Aluminum Ball For Top Of Flagpole.....	148.65	52.75
10 75 16 00-0042	EA		8" Gold Anodized Aluminum Ball For Top Of Flagpole.....	189.15	55.52
10 75 16 00-0043	EA		10" Gold Anodized Aluminum Ball For Top Of Flagpole.....	244.03	58.29
10 75 16 00-0044	EA		12" Gold Anodized Aluminum Ball For Top Of Flagpole.....	271.17	61.07
10 75 16 00-0045	EA		11-1/4" Aluminum Flying Eagle Mounted On A Spindle For Flagpole Top, Gold Finish.....	249.59	61.07
10 75 16 00-0046	EA		15" Aluminum Flying Eagle Mounted On A Spindle For Flagpole Top, Gold Finish.....	289.88	69.40

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>10 75 16 00-0047 Flagpole Accessories (10 75 16 00-0037)</b>					
Note: To be used on renovation of existing flagpole. Do not use in conjunction with installation of new flagpoles.					
10 75 16 00-0048	LF		5/16" Diameter, Nylon Halyard (Rope) With Wire Center For Flagpoles.....	1.15	0.08
10 75 16 00-0049	LF		5/16" Diameter, Solid Braided Multifilament Polypropylene Halyard (Rope) For Flagpoles.....	0.58	0.08
10 75 16 00-0050	LF		5/16" Diameter, Nylon Halyard (Rope) For Flagpoles.....	0.45	0.08
10 75 16 00-0051	LF		3/8" Diameter, Nylon Halyard (Rope) With Wire Center For Flagpoles.....	1.55	0.08
10 75 16 00-0052	EA		Refinish Existing Flagpole Ball.....	366.25	138.74
10 75 16 00-0053	EA		Locking Aluminum Cleat Box For Flagpoles.....	293.99	83.24
10 75 16 00-0054	EA		Aluminum Cleat For Flagpoles.....	24.15	5.55
10 75 16 00-0055	LF		1/8" Diameter, 7x7 Galvanized Wire Rope For Flagpoles.....	0.70	0.10

**10 75 23 Wall-Mounted Flagpoles (10 75)**

<b>10 75 23 00-0001 Vertical, Wall/Roof Mounted Tapered Aluminum Flagpoles (10 75 23)</b>					
Note: Includes aluminum brackets, 3" butt diameter and 0.125" wall.					
10 75 23 00-0002	EA		14' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole.....	1,984.05	699.12
			For Rope Lock Box, Add	96.00	
10 75 23 00-0003	EA		17' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole.....	2,154.71	769.03
			For Rope Lock Box, Add	96.00	
10 75 23 00-0004	EA		20' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole.....	2,335.64	838.95
			For Rope Lock Box, Add	96.00	
10 75 23 00-0005	EA		25' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole.....	2,707.78	978.77
			For Rope Lock Box, Add	96.00	

**10 75 23 00-0006 Outrigger, Wall Mounted Tapered Aluminum Flagpoles (10 75 23)**

Note: Includes aluminum base, 3-1/2" butt diameter and 0.125" wall.					
10 75 23 00-0007	EA		10', Wall Mounted, Aluminum Outrigger Flagpole With Bracket.....	2,532.80	629.21
			For Rope Lock Box, Add	96.00	
10 75 23 00-0008	EA		15', Wall Mounted, Aluminum Outrigger Flagpole With Bracket.....	2,734.29	699.12
			For Rope Lock Box, Add	96.00	
10 75 23 00-0009	EA		20', Wall Mounted, Aluminum Outrigger Flagpole With Bracket.....	3,055.05	838.95
			For Rope Lock Box, Add	96.00	

**10 80 Other Specialties (10)**
**10 81 Pest Control Devices (10 80)**
**10 81 13 Bird Control Devices (10 81)**

<b>10 81 13 00-0001 Stainless Steel Spiked Bird Barrier (10 81 13)</b>					
Note: Stainless steel spikes with flexible polycarbonate base.					
10 81 13 00-0002	LF		2-1/2" To 3" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System.....	8.73	0.89
10 81 13 00-0003	LF		4-1/2" To 5" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System.....	10.55	0.89
10 81 13 00-0004	LF		8" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System.....	15.51	0.89

**10 81 13 00-0005 Polycarbonate Spiked Bird Barrier (10 81 13)**

Note: Polycarbonate spikes and base.					
10 81 13 00-0006	LF		3" Wide Polycarbonate Spikes And Base Bird Deterrent System.....	8.07	0.89
10 81 13 00-0007	LF		5" Wide Polycarbonate Spikes And Base Bird Deterrent System.....	9.79	0.89
10 81 13 00-0008	LF		8" Wide Polycarbonate Spikes And Base Bird Deterrent System.....	11.68	0.89

**10 81 16 Insect Control Devices (10 81)**
**10 81 16 00-0001 Insect Screening (10 81 16)**

10 81 16 00-0002	CSF		17/14 Mesh Insect Screening With Flat Screen Splines.....	114.04	
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**10 86 Security Mirrors And Domes (10 80)**
**10 86 00 00-0001 Dome Mirrors (10 86)**

Note: Includes all mounting hardware. Indoor or outdoor applications.

<b>10 86 00 00-0002 Steel Dome Mirrors (10 86 00 00-0001)</b>					
10 86 00 00-0003	EA		9" Diameter Full-Dome Steel Dome Mirror.....	258.94	22.20
10 86 00 00-0004	EA		12" Diameter Full-Dome Steel Dome Mirror.....	304.06	23.32
10 86 00 00-0005	EA		18" Diameter Full-Dome Steel Dome Mirror.....	351.41	25.54
10 86 00 00-0006	EA		24" Diameter Full-Dome Steel Dome Mirror.....	467.77	27.76
10 86 00 00-0007	EA		9" Diameter Half-Dome Steel Dome Mirror.....	185.53	16.66
10 86 00 00-0008	EA		12" Diameter Half-Dome Steel Dome Mirror.....	213.87	17.76
10 86 00 00-0009	EA		18" Diameter Half-Dome Steel Dome Mirror.....	249.66	19.43
10 86 00 00-0010	EA		24" Diameter Half-Dome Steel Dome Mirror.....	346.25	21.10

  

<b>10 86 00 00-0011 Plexiglas Dome Mirrors (10 86 00 00-0001)</b>					
10 86 00 00-0012	EA		18" Diameter Full-Dome Plexiglas Dome Mirror.....	203.11	25.54
10 86 00 00-0013	EA		26" Diameter Full-Dome Plexiglas Dome Mirror.....	284.96	27.76
10 86 00 00-0014	EA		32" Diameter Full-Dome Plexiglas Dome Mirror.....	375.93	32.20
10 86 00 00-0015	EA		36" Diameter Full-Dome Plexiglas Dome Mirror.....	454.54	38.87
10 86 00 00-0016	EA		48" Diameter Full-Dome Plexiglas Dome Mirror.....	663.20	55.52
10 86 00 00-0017	EA		18" Diameter Half-Dome Plexiglas Dome Mirror.....	125.24	19.43
10 86 00 00-0018	EA		26" Diameter Half-Dome Plexiglas Dome Mirror.....	167.73	21.10

**10 Specialties**

**10 80 Other Specialties**

**10 86 Security Mirrors And Domes**



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
10 86 00 00-0019	EA	32" Diameter Half-Dome Plexiglas Dome Mirror.....	220.29	24.43
10 86 00 00-0020	EA	36" Diameter Half-Dome Plexiglas Dome Mirror.....	271.51	29.42
10 86 00 00-0021	EA	48" Diameter Half-Dome Plexiglas Dome Mirror.....	430.24	41.64
10 86 00 00-0022	EA	18" Diameter Quarter-Dome Plexiglas Dome Mirror.....	81.81	16.66
10 86 00 00-0023	EA	26" Diameter Quarter-Dome Plexiglas Dome Mirror.....	104.35	18.32
10 86 00 00-0024	EA	32" Diameter Quarter-Dome Plexiglas Dome Mirror.....	136.40	20.54
10 86 00 00-0025	EA	36" Diameter Quarter-Dome Plexiglas Dome Mirror.....	169.74	24.43
10 86 00 00-0026	EA	48" Diameter Quarter-Dome Plexiglas Dome Mirror.....	280.19	34.70
<b>10 86 00 00-0027 Coated Plexiglas Dome Mirrors (10 86 00 00-0001)</b>				
10 86 00 00-0028	EA	18" Diameter Full-Dome Coated Plexiglas Dome Mirror.....	241.35	25.54
10 86 00 00-0029	EA	26" Diameter Full-Dome Coated Plexiglas Dome Mirror.....	370.77	27.76
10 86 00 00-0030	EA	36" Diameter Full-Dome Coated Plexiglas Dome Mirror.....	626.16	38.87
10 86 00 00-0031	EA	48" Diameter Full-Dome Coated Plexiglas Dome Mirror.....	963.53	55.52
10 86 00 00-0032	EA	18" Diameter Half-Dome Coated Plexiglas Dome Mirror.....	157.32	19.43
10 86 00 00-0033	EA	26" Diameter Half-Dome Coated Plexiglas Dome Mirror.....	232.46	21.10
10 86 00 00-0034	EA	36" Diameter Half-Dome Coated Plexiglas Dome Mirror.....	366.64	29.42
10 86 00 00-0035	EA	48" Diameter Half-Dome Coated Plexiglas Dome Mirror.....	605.59	41.64
10 86 00 00-0036	EA	18" Diameter Quarter-Dome Coated Plexiglas Dome Mirror.....	114.83	16.66
10 86 00 00-0037	EA	26" Diameter Quarter-Dome Coated Plexiglas Dome Mirror.....	159.94	18.32
10 86 00 00-0038	EA	32" Diameter Quarter-Dome Coated Plexiglas Dome Mirror.....	206.54	20.54
10 86 00 00-0039	EA	36" Diameter Quarter-Dome Coated Plexiglas Dome Mirror.....	265.25	24.43
10 86 00 00-0040	EA	48" Diameter Quarter-Dome Coated Plexiglas Dome Mirror.....	414.50	34.70
<b>10 86 00 00-0041 Circular Convex Security Mirrors (10 86)</b>				
Note: Includes all mounting hardware.				
<b>10 86 00 00-0042 Plexiglas Circular Convex Mirrors (10 86 00 00-0041)</b>				
Note: Indoor models have a tempered hardboard backing. Outdoor models have a waterproof edge and back, rustproof hardware with backed-on enamel finish.				
10 86 00 00-0043	EA	12" Diameter Plexiglas Circular Convex Mirrors, Indoor.....	87.77	17.76
10 86 00 00-0044	EA	18" Diameter Plexiglas Circular Convex Mirrors, Indoor.....	113.30	19.43
10 86 00 00-0045	EA	26" Diameter Plexiglas Circular Convex Mirrors, Indoor.....	169.78	21.10
10 86 00 00-0046	EA	30" Diameter Plexiglas Circular Convex Mirrors, Indoor.....	211.71	24.43
10 86 00 00-0047	EA	36" Diameter Plexiglas Circular Convex Mirrors, Indoor.....	280.83	29.42
10 86 00 00-0048	EA	48" Diameter Plexiglas Circular Convex Mirrors, Indoor.....	493.67	41.64
10 86 00 00-0049	EA	18" Diameter Plexiglas Circular Convex Mirrors, Outdoor.....	144.82	19.43
10 86 00 00-0050	EA	26" Diameter Plexiglas Circular Convex Mirrors, Outdoor.....	207.09	21.10
10 86 00 00-0051	EA	36" Diameter Plexiglas Circular Convex Mirrors, Outdoor.....	295.76	29.42
10 86 00 00-0052	EA	48" Diameter Plexiglas Circular Convex Mirrors, Outdoor.....	538.44	41.64
<b>10 86 00 00-0053 Coated Plexiglas Circular Convex Mirrors (10 86 00 00-0041)</b>				
Note: Indoor models have a tempered hardboard backing. Outdoor models have a waterproof edge and back, rustproof hardware with backed-on enamel finish.				
10 86 00 00-0054	EA	18" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor.....	173.93	19.43
10 86 00 00-0055	EA	26" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor.....	271.63	21.10
10 86 00 00-0056	EA	30" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor.....	364.11	24.43
10 86 00 00-0057	EA	36" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor.....	454.31	29.42
10 86 00 00-0058	EA	48" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor.....	659.69	41.64
10 86 00 00-0059	EA	18" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor.....	208.06	19.43
10 86 00 00-0060	EA	26" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor.....	320.13	21.10
10 86 00 00-0061	EA	30" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor.....	444.32	24.43
10 86 00 00-0062	EA	36" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor.....	502.82	29.42
10 86 00 00-0063	EA	48" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor.....	795.86	41.64

**END OF SECTION 10**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 11 Equipment

### 11 01 Operation and Maintenance of Equipment <sup>(11)</sup>

#### 11 01 10 Operation and Maintenance of Vehicle and Pedestrian Equipment <sup>(11 01)</sup>

##### 11 01 10 13 Operation and Maintenance of Parking Equipment <sup>(11 01 10)</sup>

##### 11 01 10 13-0001 Replacement Parking Equipment <sup>(11 01 10 13)</sup>

11 01 10 13-0002	EA	10' Wood Arm Replacement With Bolts	498.56	
11 01 10 13-0003	EA	12' Wood Arm Replacement With Bolts	521.45	
11 01 10 13-0004	EA	14' Wood Arm Replacement With Bolts	547.64	
11 01 10 13-0005	EA	12' Aluminum Arm Replacement With Bolts	727.51	
11 01 10 13-0006	EA	14' Aluminum Arm Replacement With Bolts	752.06	
11 01 10 13-0007	EA	16' Aluminum Arm Replacement With Bolts	1,065.09	
11 01 10 13-0008	EA	18' Aluminum Arm Replacement With Bolts	1,080.94	
11 01 10 13-0009	EA	20' Aluminum Arm Replacement With Bolts	1,111.00	
11 01 10 13-0010	EA	22' Aluminum Arm Replacement With Bolts	1,277.36	
11 01 10 13-0011	EA	24' Aluminum Arm Replacement With Bolts	1,298.68	

### 11 10 Vehicle and Pedestrian Equipment <sup>(11)</sup>

#### 11 12 Parking Control Equipment <sup>(11 10)</sup>

##### 11 12 16 Parking Ticket Dispensers <sup>(11 12)</sup>

##### 11 12 16 00-0001 Parking Ticket Dispensers <sup>(11 12 16)</sup>

11 12 16 00-0002	EA	Standard Parking Ticket Dispenser With Time/Date Stamp	9,455.63	195.43
11 12 16 00-0003	EA	Rate Computing Parking Ticket Dispenser With Printer	12,710.67	195.43

##### 11 12 23 Parking Meters <sup>(11 12)</sup>

##### 11 12 23 00-0001 Parking Meters <sup>(11 12 23)</sup>

11 12 23 00-0002	EA	Removal Of Parking Meter For Replacement Or Reinstall Existing Meter	190.93	
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##### 11 12 26 Parking Fee Collection Equipment <sup>(11 12)</sup>

##### 11 12 26 13 Parking Fee Coin Collection Equipment <sup>(11 12 26)</sup>

##### 11 12 26 13-0001 Parking Fee Collection Equipment <sup>(11 12 26 13)</sup>

11 12 26 13-0002	EA	Multiple Station Slot Box For Parking Fee Collection	2,252.01	66.22
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##### 11 12 33 Parking Gates <sup>(11 12)</sup>

##### 11 12 33 13 Lift Arm Parking Gates <sup>(11 12 33)</sup>

##### 11 12 33 13-0001 Barrier Parking Gate Operators <sup>(11 12 33 13)</sup>

##### 11 12 33 13-0002 Barrier Parking Gate Operators <sup>(11 12 33 13-0001)</sup>

Note: Includes operator and barrier arm. Excludes access controls and concrete foundation.				
11 12 33 13-0003	EA	12' Plastic Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080)	4,187.14	270.94
For 230/460 Volt AC, Add			322.50	
11 12 33 13-0004	EA	14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080)	4,172.30	270.94
For 230/460 Volt AC, Add			322.50	
11 12 33 13-0005	EA	14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080)	4,360.27	270.94
For 230/460 Volt AC, Add			322.50	
11 12 33 13-0006	EA	20' Three Piece Wood Arm, 1 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1602-080)	6,213.82	270.94
For 230/460 Volt AC, Add			322.50	
11 12 33 13-0007	EA	14' Wood Arm, 1/3 HP, 115 Volt AC, Barrier Parking Gate Operator With Two Built-In Vehicle Detectors (Federal APD G-90 CD)	7,184.12	270.94
11 12 33 13-0008	EA	14' Aluminum Arm, 1/3 HP, 115 Volt AC, Barrier Parking Gate Operator With Two Built-In Vehicle Detectors (Federal APD G-90 CD)	7,480.93	270.94

##### 11 12 33 13-0009 Barrier Parking Gate Operators With Tire Shredding Traffic Control Spikes <sup>(11 12 33 13-0001)</sup>

Note: Includes operator, barrier arm and tire shredding traffic control spikes. Excludes access controls and concrete foundation.				
11 12 33 13-0010	EA	14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 6' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080)	12,819.79	541.87
11 12 33 13-0011	EA	14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 9' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080)	15,005.78	541.87
11 12 33 13-0012	EA	14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 6' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080)	12,931.09	541.87
11 12 33 13-0013	EA	14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 9' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080)	15,117.08	541.87

##### 11 12 33 13-0014 Barrier Parking Gate Operator Accessories <sup>(11 12 33 13-0001)</sup>

11	<b>11</b>	<b>Equipment</b>
	<b>11 10</b>	<b>Vehicle and Pedestrian Equipment</b>
	<b>11 12</b>	<b>Parking Control Equipment</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 12 33 13-0015	EA		12' Plastic Replacement Arm For Barrier Parking Gate Operators .....	163.35	19.84
11 12 33 13-0016	EA		14' Wood Replacement Arm For Barrier Parking Gate Operators .....	148.51	19.84
11 12 33 13-0017	EA		14' Aluminum Replacement Arm For Barrier Parking Gate Operators .....	336.48	19.84
11 12 33 13-0018	EA		20' Three Piece Wood Replacement Arm For Barrier Parking Gate Operators .....	503.43	19.84
11 12 33 13-0019	EA		Folding Wood Replacement Arm For Barrier Parking Gate Operators .....	460.15	19.84
11 12 33 13-0020	EA		Folding Plastic Replacement Arm For Barrier Parking Gate Operators .....	460.15	19.84
11 12 33 13-0021	EA		Folding Aluminum Replacement Arm For Barrier Parking Gate Operators.....	559.08	19.84
11 12 33 13-0022	EA		Heater Kit For Barrier Parking Gate Operators (DKS™ DoorKing® 1601-092) .....	516.29	119.02
11 12 33 13-0023	EA		Fan Kit For Barrier Parking Gate Operators (DKS™ DoorKing® 1601-093).....	516.29	119.02
11 12 33 13-0024	EA		Single Channel Detector Loop For Barrier Parking Gate Operators (DKS™ DoorKing® 9410-010) .....	524.44	
11 12 33 13-0025	EA		Two Channel Detector Loop For Barrier Parking Gate Operators (Federal APD DLD-10B) .....	1,413.97	
11 12 33 13-0026	EA		36" Tall, Gooseneck Style, Single Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls (Federal APD) .....	895.14	19.84

Note: Includes mounting plate and hardware. Excludes concrete foundation.

**11 12 36 Tire Shredders (11 12)**

11 12 36 00-0001			Tire Shredding Traffic Control Spikes (11 12 36)		
11 12 36 00-0002			Flush Mount, Tire Shredding Traffic Control Spikes (11 12 36 00-0001)		
11 12 36 00-0003	EA		6' Section, Flush Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-081) .....	1,986.90	317.39
11 12 36 00-0004			Surface Mount, Tire Shredding Traffic Control Spikes (11 12 36 00-0001)		
11 12 36 00-0005	EA		3' Section With End Caps, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-088).....	3,497.72	158.70
11 12 36 00-0006	EA		3' Add-On Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-087) .....	2,508.38	158.70
11 12 36 00-0007			Warning Signs And Signals For Tire Shredding Traffic Control Spikes (11 12 36 00-0001)		
11 12 36 00-0008	EA		Warning Sign For Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1615).....	1,565.93	59.51
11 12 36 00-0009	EA		Traffic Light Assembly For Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603).....	1,284.07	79.34

Note: Includes light and mounting post.

Note: Includes mounting post and hardware.

**11 13 Loading Dock Equipment (11 10)**

**11 13 13 Loading Dock Bumpers (11 13)**

11 13 13 00-0001			Laminated Rubber Dock Bumpers (11 13 13)		
11 13 13 00-0002			4-1/2" Projection, Laminated Rubber Dock Bumpers (11 13 13 00-0001)		
11 13 13 00-0003	EA		14" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	137.44	22.19
11 13 13 00-0004	EA		24" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	174.64	22.19
11 13 13 00-0005	EA		36" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	227.13	22.19
11 13 13 00-0006	EA		12" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	153.30	22.19
11 13 13 00-0007	EA		14" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	166.44	22.19
11 13 13 00-0008	EA		18" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	189.95	22.19
11 13 13 00-0009	EA		24" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	227.13	22.19
11 13 13 00-0010	EA		36" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	311.10	22.19
11 13 13 00-0011	EA		12" x 12", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	174.29	22.19
11 13 13 00-0012	EA		12" x 14", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	189.95	22.19
11 13 13 00-0013	EA		12" x 18", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	234.60	22.19
11 13 13 00-0014	EA		12" x 24", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	266.27	22.19
11 13 13 00-0015	EA		12" x 36", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	369.10	22.19
11 13 13 00-0016	EA		11" x 20", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	216.10	22.19
11 13 13 00-0017	EA		11" x 24", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	252.93	22.19
11 13 13 00-0018	EA		11" x 36", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	331.39	22.19
11 13 13 00-0019			6" Projection, Laminated Rubber Dock Bumpers (11 13 13 00-0001)		
11 13 13 00-0020	EA		12" x 10", 6" Projection, Laminated Rubber Dock Bumper .....	194.50	22.19
11 13 13 00-0021	EA		14" x 10", 6" Projection, Laminated Rubber Dock Bumper .....	207.49	22.19
11 13 13 00-0022	EA		18" x 10", 6" Projection, Laminated Rubber Dock Bumper .....	238.80	22.19
11 13 13 00-0023	EA		24" x 10", 6" Projection, Laminated Rubber Dock Bumper .....	286.48	22.19
11 13 13 00-0024	EA		36" x 10", 6" Projection, Laminated Rubber Dock Bumper .....	391.98	22.19
11 13 13 00-0025	EA		12" x 12", 6" Projection, Laminated Rubber Dock Bumper .....	223.32	22.19
11 13 13 00-0026	EA		14" x 12", 6" Projection, Laminated Rubber Dock Bumper .....	234.00	22.19
11 13 13 00-0027	EA		18" x 12", 6" Projection, Laminated Rubber Dock Bumper .....	276.34	22.19
11 13 13 00-0028	EA		24" x 12", 6" Projection, Laminated Rubber Dock Bumper .....	339.50	22.19
11 13 13 00-0029	EA		36" x 12", 6" Projection, Laminated Rubber Dock Bumper .....	516.35	22.19
11 13 13 00-0030	EA		11" x 20", 6" Projection, Laminated Rubber Dock Bumper .....	286.66	22.19
11 13 13 00-0031	EA		11" x 24", 6" Projection, Laminated Rubber Dock Bumper .....	329.00	22.19
11 13 13 00-0032	EA		11" x 36", 6" Projection, Laminated Rubber Dock Bumper .....	334.64	22.19
11 13 13 00-0033			Extruded Rubber Dock Bumpers (11 13 13)		
11 13 13 00-0034			1-3/4" Projection, Extruded Rubber Dock Bumpers (11 13 13 00-0033)		
11 13 13 00-0035	EA		12" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper.....	72.09	22.19
11 13 13 00-0036	EA		18" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper.....	77.32	22.19
11 13 13 00-0037	EA		24" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper.....	84.29	22.19
11 13 13 00-0038	EA		36" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper.....	91.27	22.19



<b>Equipment</b>	<b>11</b>
<b>Vehicle and Pedestrian Equipment</b>	<b>11 10</b>
<b>Loading Dock Equipment</b>	<b>11 13</b>

<b>MINOR</b>			<b>TOTAL DIRECT</b>	<b>DEMOLITION</b>
<b>CSI UOM DESCRIPTION</b>			<b>UNIT COST</b>	<b>UNIT COST</b>

11 13 13 00-0039		<b>4" Projection, Extruded Rubber Dock Bumpers</b> (11 13 13 00-0033)		
11 13 13 00-0040	EA	12" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper .....	99.43	22.19
11 13 13 00-0041	EA	18" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper .....	121.42	22.19
11 13 13 00-0042	EA	24" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper .....	127.76	22.19
11 13 13 00-0043	EA	36" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper .....	142.19	22.19
11 13 13 00-0044		<b>6" Projection, Extruded Rubber Dock Bumpers</b> (11 13 13 00-0033)		
11 13 13 00-0045	EA	12" x 6", 6" Projection, Extruded Rubber Dock Bumper.....	121.03	22.19
11 13 13 00-0046	EA	18" x 6", 6" Projection, Extruded Rubber Dock Bumper.....	150.67	22.19
11 13 13 00-0047	EA	24" x 6", 6" Projection, Extruded Rubber Dock Bumper.....	175.08	22.19
11 13 13 00-0048	EA	36" x 6", 6" Projection, Extruded Rubber Dock Bumper.....	221.66	22.19
11 13 13 00-0049		<b>Molded Rubber Dock Bumpers</b> (11 13 13)		
11 13 13 00-0050		<b>Rectangular Molded Rubber Dock Bumpers</b> (11 13 13 00-0049)		
11 13 13 00-0051	EA	18" x 8", 2" Projection, Rectangular Molded Rubber Dock Bumper.....	102.23	22.19
11 13 13 00-0052	EA	10" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper.....	88.77	22.19
11 13 13 00-0053	EA	20" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper.....	119.49	22.19
11 13 13 00-0054	EA	30" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper.....	150.48	22.19
11 13 13 00-0055	EA	24" x 12", 3" Projection, Rectangular Molded Rubber Dock Bumper.....	157.80	22.19
11 13 13 00-0056	EA	13" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper.....	115.97	22.19
11 13 13 00-0057	EA	18" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper.....	151.71	22.19
11 13 13 00-0058	EA	30" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper.....	225.30	22.19
11 13 13 00-0059	EA	13" x 12", 4" Projection, Rectangular Molded Rubber Dock Bumper.....	126.66	22.19
11 13 13 00-0060	EA	24" x 12", 4" Projection, Rectangular Molded Rubber Dock Bumper.....	192.03	22.19
11 13 13 00-0061	EA	18" x 18", 4" Projection, Rectangular Molded Rubber Dock Bumper.....	191.39	22.19
11 13 13 00-0062	EA	24" x 12", 6" Projection, Rectangular Molded Rubber Dock Bumper.....	291.16	22.19
11 13 13 00-0063		<b>T And L Shaped Rubber Dock Bumpers</b> (11 13 13 00-0049)		
11 13 13 00-0064	EA	22" x 22", 3" Projection, T Shaped Molded Rubber Dock Bumper.....	181.32	22.19
11 13 13 00-0065	EA	18" x 18", 4" Projection, L Shaped Molded Rubber Dock Bumper.....	169.09	22.19
11 13 13 00-0066		<b>Vertical Dock Bumpers</b> (11 13 13)		
		Note: Made with truck tire material.		
11 13 13 00-0067	EA	11" x 4" x 20", Vertical, Truck Docking Bumpers (U-Line H-2054).....	159.86	20.20
		Note: Drilling for fasteners is not included due to differing conditions.		
		For Concrete Installation Kit (4 Bolts), Add	79.66	
11 13 13 00-0068	EA	11" x 6" x 20", Vertical, Truck Docking Bumpers (U-Line H-6629).....	203.42	20.20
		Note: Drilling for fasteners is not included due to differing conditions.		
		For Concrete Installation Kit (4 Bolts), Add	79.66	
11 13 13 00-0069		<b>Horizontal Dock Bumpers</b> (11 13 13)		
		Note: Made with truck tire material.		
11 13 13 00-0070	EA	12" x 4" x 10", Horizontal, Truck Docking Bumpers (U-Line H-1504).....	103.04	17.09
		Note: Drilling for fasteners is not included due to differing conditions.		
		For Concrete Installation Kit (4 Bolts), Add	79.66	
11 13 13 00-0071	EA	12" x 6" x 10", Horizontal, Truck Docking Bumpers (U-Line H-5502).....	132.56	17.09
		Note: Drilling for fasteners is not included due to differing conditions.		
		For Concrete Installation Kit (4 Bolts), Add	79.66	
11 13 13 00-0072	EA	24" x 4" x 10", Horizontal, Truck Docking Bumpers (U-Line H-1505).....	151.42	20.20
		Note: Drilling for fasteners is not included due to differing conditions.		
		For Concrete Installation Kit (4 Bolts), Add	79.66	
11 13 16		<b>Loading Dock Seals and Shelters</b> (11 13)		
11 13 16 13		<b>Loading Dock Seals</b> (11 13 16)		
11 13 16 13-0001		<b>Vinyl Loading Dock Seals</b> (11 13 16 13)		
11 13 16 13-0002		<b>Standard Vinyl Loading Dock Seals</b> (11 13 16 13-0001)		
11 13 16 13-0003	LF	10" Projection, Standard, Vinyl Loading Dock Seal .....	98.81	22.19
11 13 16 13-0004	LF	11" Projection, Standard, Vinyl Loading Dock Seal .....	100.14	22.19
11 13 16 13-0005	LF	12" Projection, Standard, Vinyl Loading Dock Seal .....	101.48	22.19
11 13 16 13-0006	LF	13" Projection, Standard, Vinyl Loading Dock Seal .....	104.15	22.19
11 13 16 13-0007	LF	14" Projection, Standard, Vinyl Loading Dock Seal .....	106.81	22.19
11 13 16 13-0008	LF	15" Projection, Standard, Vinyl Loading Dock Seal .....	109.52	22.19
11 13 16 13-0009	LF	16" Projection, Standard, Vinyl Loading Dock Seal .....	112.23	22.19
11 13 16 13-0010	LF	17" Projection, Standard, Vinyl Loading Dock Seal .....	115.01	22.19
11 13 16 13-0011	LF	18" Projection, Standard, Vinyl Loading Dock Seal .....	117.79	22.19
11 13 16 13-0012	LF	19" Projection, Standard, Vinyl Loading Dock Seal .....	120.45	22.19
11 13 16 13-0013	LF	20" Projection, Standard, Vinyl Loading Dock Seal .....	123.12	22.19
11 13 16 13-0014	LF	22" Projection, Standard, Vinyl Loading Dock Seal .....	128.53	22.19
11 13 16 13-0015		<b>8" Exposure Wear Pleats, Vinyl Loading Dock Seals</b> (11 13 16 13-0001)		
11 13 16 13-0016	LF	10" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	114.67	22.19
11 13 16 13-0017	LF	11" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	116.01	22.19
11 13 16 13-0018	LF	12" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	117.34	22.19
11 13 16 13-0019	LF	13" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	120.05	22.19
11 13 16 13-0020	LF	14" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	122.75	22.19

**11 Equipment**  
**11 10 Vehicle and Pedestrian Equipment**  
**11 13 Loading Dock Equipment**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 13 16 13-0021	LF		15" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	125.42	22.19
11 13 16 13-0022	LF		16" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	128.09	22.19
11 13 16 13-0023	LF		17" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	130.79	22.19
11 13 16 13-0024	LF		18" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	133.50	22.19
11 13 16 13-0025	LF		19" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	136.17	22.19
11 13 16 13-0026	LF		20" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	138.91	22.19
11 13 16 13-0027	LF		22" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	144.25	22.19

**11 13 16 13-0028 4" Exposure Wear Pleats, Vinyl Loading Dock Seals (11 13 16 13-0001)**

11 13 16 13-0029	LF		10" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	123.12	22.19
11 13 16 13-0030	LF		11" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	124.49	22.19
11 13 16 13-0031	LF		12" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	125.86	22.19
11 13 16 13-0032	LF		13" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	128.53	22.19
11 13 16 13-0033	LF		14" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	131.20	22.19
11 13 16 13-0034	LF		15" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	133.91	22.19
11 13 16 13-0035	LF		16" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	136.61	22.19
11 13 16 13-0036	LF		17" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	139.28	22.19
11 13 16 13-0037	LF		18" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	141.95	22.19
11 13 16 13-0038	LF		19" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	144.66	22.19
11 13 16 13-0039	LF		20" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	147.36	22.19
11 13 16 13-0040	LF		22" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal .....	152.85	22.19

**11 13 16 13-0041 Vinyl Loading Dock Seals With Drape Curtain (11 13 16 13)**

**11 13 16 13-0042 Standard, Vinyl Loading Dock Seals With Drape Curtain (11 13 16 13-0041)**

11 13 16 13-0043	LF		10" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain .....	91.74	22.19
11 13 16 13-0044	LF		12" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain .....	93.84	22.19
11 13 16 13-0045	LF		14" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain .....	98.48	22.19
11 13 16 13-0046	LF		16" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain .....	103.05	22.19
11 13 16 13-0047	LF		18" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain .....	107.76	22.19
11 13 16 13-0048	LF		20" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain .....	112.33	22.19
11 13 16 13-0049	LF		22" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain .....	116.97	22.19

**11 13 16 13-0050 8" Exposure Wear Pleats, Vinyl Loading Dock Seals With Drape Curtain (11 13 16 13-0041)**

11 13 16 13-0051	LF		10" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain .....	106.74	22.19
11 13 16 13-0052	LF		12" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain .....	108.90	22.19
11 13 16 13-0053	LF		14" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain .....	113.54	22.19
11 13 16 13-0054	LF		16" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain .....	118.18	22.19
11 13 16 13-0055	LF		18" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain .....	122.75	22.19
11 13 16 13-0056	LF		20" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain .....	127.39	22.19
11 13 16 13-0057	LF		22" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain .....	131.96	22.19

**11 13 16 13-0058 4" Exposure Wear Pleats, Vinyl Loading Dock Seals With Drape Curtain (11 13 16 13-0041)**

11 13 16 13-0059	LF		10" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain .....	114.87	22.19
11 13 16 13-0060	LF		12" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain .....	116.97	22.19
11 13 16 13-0061	LF		14" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain .....	121.67	22.19
11 13 16 13-0062	LF		16" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain .....	126.25	22.19
11 13 16 13-0063	LF		18" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain .....	130.88	22.19
11 13 16 13-0064	LF		20" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain .....	135.46	22.19
11 13 16 13-0065	LF		22" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain .....	140.16	22.19

**11 13 16 13-0066 Nylon Reinforced Vinyl Dock Air Sealing Systems (11 13 16 13)**

11 13 16 13-0067	EA		8' Height x 8' Width x 10" Projection, Dock Air Sealing Systems Nylon Reinforced Vinyl Dock Seal (Grainger D-150-10) .....	2,363.91	333.13
			Note: Drilling for fasteners is not included due to differing conditions. Caulking is not included.		
11 13 16 13-0068	EA		8' Height x 8' Width x 12" Projection, Dock Air Sealing Systems Nylon Reinforced Vinyl Dock Seal (Grainger D-150-12) .....	2,358.29	333.13
			Note: Drilling for fasteners is not included due to differing conditions. Caulking is not included.		
11 13 16 13-0069	EA		8' Height x 8' Width x 20" Projection, Dock Air Sealing Systems Nylon Reinforced Vinyl Dock Seal (Grainger D-150-20) .....	3,041.30	333.13
			Note: Drilling for fasteners is not included due to differing conditions. Caulking is not included.		
11 13 16 13-0070	EA		9' Height x 8' Width x 10" Projection, Dock Air Sealing Systems Nylon Reinforced Vinyl Dock Seal (Grainger D-350-10) .....	2,661.85	333.13
			Note: Drilling for fasteners is not included due to differing conditions. Caulking is not included.		
11 13 16 13-0071	EA		9' Height x 8' Width x 12" Projection, Dock Air Sealing Systems Nylon Reinforced Vinyl Dock Seal (Grainger D-350-12) .....	2,751.79	333.13
			Note: Drilling for fasteners is not included due to differing conditions. Caulking is not included.		
11 13 16 13-0072	EA		9' Height x 8' Width x 20" Projection, Dock Air Sealing Systems Nylon Reinforced Vinyl Dock Seal (Grainger D-350-20) .....	3,114.38	333.13
			Note: Drilling for fasteners is not included due to differing conditions. Caulking is not included.		

**11 13 16 23 Loading Dock Shelters (11 13 16)**

**11 13 16 23-0001 Retractable Vinyl Loading Dock Shelter (11 13 16 23)**

11 13 16 23-0002	LF		Retractable Vinyl Dock Shelters, Scissor Arms .....	155.31	27.75
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**11 13 16 23-0003 Rigid Loading Dock Shelters (11 13 16 23)**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 16 23-0004	LF		18" Projection, Rigid Loading Dock Shelter .....	115.67	26.64
11 13 16 23-0005	LF		24" Projection, Rigid Loading Dock Shelter .....	120.59	26.64
11 13 16 23-0006	LF		30" Projection, Rigid Loading Dock Shelter .....	125.24	27.75
11 13 16 23-0007	LF		36" Projection, Rigid Loading Dock Shelter .....	128.64	27.75
<b>11 13 19 Stationary Loading Dock Equipment (11 13)</b>					
Note: Includes all anchor bolts and fasteners.					
<b>11 13 19 13 Loading Dock Levelers (11 13 19)</b>					
<b>11 13 19 13-0001 Hydraulic Dock Levelers (11 13 19 13)</b>					
Note: Excludes control panel, remote operator, and electrical wiring.					
<b>11 13 19 13-0002 20,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)</b>					
11 13 19 13-0003	EA		6' x 6', 20,000 LB Hydraulic Dock Leveler.....	6,986.07	907.20
11 13 19 13-0004	EA		6' x 8', 20,000 LB Hydraulic Dock Leveler.....	7,479.73	1,007.99
11 13 19 13-0005	EA		6' x 10', 20,000 LB Hydraulic Dock Leveler.....	9,129.16	1,209.59
11 13 19 13-0006	EA		7' x 6', 20,000 LB Hydraulic Dock Leveler.....	7,432.98	1,007.99
11 13 19 13-0007	EA		7' x 8', 20,000 LB Hydraulic Dock Leveler.....	8,068.48	1,108.79
11 13 19 13-0008	EA		7' x 10', 20,000 LB Hydraulic Dock Leveler.....	9,670.50	1,310.39
<b>11 13 19 13-0009 25,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)</b>					
11 13 19 13-0010	EA		6' x 6', 25,000 LB Hydraulic Dock Leveler.....	7,122.48	907.20
11 13 19 13-0011	EA		6' x 8', 25,000 LB Hydraulic Dock Leveler.....	7,619.56	1,007.99
11 13 19 13-0012	EA		6' x 10', 25,000 LB Hydraulic Dock Leveler.....	9,260.15	1,209.59
11 13 19 13-0013	EA		7' x 6', 25,000 LB Hydraulic Dock Leveler.....	7,565.14	1,007.99
11 13 19 13-0014	EA		7' x 8', 25,000 LB Hydraulic Dock Leveler.....	8,190.08	1,108.79
11 13 19 13-0015	EA		7' x 10', 25,000 LB Hydraulic Dock Leveler.....	9,927.65	1,310.39
<b>11 13 19 13-0016 30,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)</b>					
11 13 19 13-0017	EA		6' x 6', 30,000 LB Hydraulic Dock Leveler.....	7,470.67	1,058.40
11 13 19 13-0018	EA		6' x 8', 30,000 LB Hydraulic Dock Leveler.....	7,950.63	1,209.59
11 13 19 13-0019	EA		6' x 10', 30,000 LB Hydraulic Dock Leveler.....	9,668.83	1,411.19
11 13 19 13-0020	EA		7' x 6', 30,000 LB Hydraulic Dock Leveler.....	7,950.63	1,209.59
11 13 19 13-0021	EA		7' x 8', 30,000 LB Hydraulic Dock Leveler.....	8,544.56	1,360.79
11 13 19 13-0022	EA		7' x 10', 30,000 LB Hydraulic Dock Leveler.....	10,262.76	1,461.59
<b>11 13 19 13-0023 35,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)</b>					
11 13 19 13-0024	EA		6' x 6', 35,000 LB Hydraulic Dock Leveler.....	7,729.42	1,108.79
11 13 19 13-0025	EA		6' x 8', 35,000 LB Hydraulic Dock Leveler.....	8,210.87	1,260.00
11 13 19 13-0026	EA		6' x 10', 35,000 LB Hydraulic Dock Leveler.....	9,271.53	1,461.59
11 13 19 13-0027	EA		7' x 6', 35,000 LB Hydraulic Dock Leveler.....	8,210.87	1,260.00
11 13 19 13-0028	EA		7' x 8', 35,000 LB Hydraulic Dock Leveler.....	8,920.21	1,411.19
11 13 19 13-0029	EA		7' x 10', 35,000 LB Hydraulic Dock Leveler.....	10,682.77	1,511.99
<b>11 13 19 13-0030 40,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)</b>					
11 13 19 13-0031	EA		6' x 6', 40,000 LB Hydraulic Dock Leveler.....	8,156.80	1,108.79
11 13 19 13-0032	EA		6' x 8', 40,000 LB Hydraulic Dock Leveler.....	8,637.52	1,260.00
11 13 19 13-0033	EA		6' x 10', 40,000 LB Hydraulic Dock Leveler.....	10,386.75	1,461.59
11 13 19 13-0034	EA		7' x 6', 40,000 LB Hydraulic Dock Leveler.....	8,637.52	1,260.00
11 13 19 13-0035	EA		7' x 8', 40,000 LB Hydraulic Dock Leveler.....	9,347.76	1,411.19
11 13 19 13-0036	EA		7' x 10', 40,000 LB Hydraulic Dock Leveler.....	11,110.00	1,511.99
<b>11 13 19 13-0037 45,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)</b>					
11 13 19 13-0038	EA		6' x 6', 45,000 LB Hydraulic Dock Leveler.....	8,534.10	1,159.19
11 13 19 13-0039	EA		6' x 8', 45,000 LB Hydraulic Dock Leveler.....	9,024.12	1,310.39
11 13 19 13-0040	EA		6' x 10', 45,000 LB Hydraulic Dock Leveler.....	10,762.49	1,511.99
11 13 19 13-0041	EA		7' x 6', 45,000 LB Hydraulic Dock Leveler.....	9,025.64	1,310.39
11 13 19 13-0042	EA		7' x 8', 45,000 LB Hydraulic Dock Leveler.....	9,728.93	1,461.59
11 13 19 13-0043	EA		7' x 10', 45,000 LB Hydraulic Dock Leveler.....	11,477.38	1,562.39
<b>11 13 19 13-0044 Manual Dock Levelers (11 13 19 13)</b>					
<b>11 13 19 13-0045 20,000 LB Manual Dock Levelers (11 13 19 13-0044)</b>					
11 13 19 13-0046	EA		6' x 6', 20,000 LB Manual Dock Leveler.....	5,595.79	907.20
11 13 19 13-0047	EA		6' x 8', 20,000 LB Manual Dock Leveler.....	6,098.23	1,007.99
11 13 19 13-0048	EA		6' x 10', 20,000 LB Manual Dock Leveler.....	7,738.88	1,209.59
11 13 19 13-0049	EA		7' x 6', 20,000 LB Manual Dock Leveler.....	6,043.95	1,007.99
11 13 19 13-0050	EA		7' x 8', 20,000 LB Manual Dock Leveler.....	6,678.19	1,108.79
11 13 19 13-0051	EA		7' x 10', 20,000 LB Manual Dock Leveler.....	8,422.00	1,209.59
<b>11 13 19 13-0052 40,000 LB Manual Dock Levelers (11 13 19 13-0044)</b>					
11 13 19 13-0053	EA		6' x 6', 40,000 LB Manual Dock Leveler.....	6,889.48	1,007.99
11 13 19 13-0054	EA		6' x 8', 40,000 LB Manual Dock Leveler.....	7,370.20	1,108.79
11 13 19 13-0055	EA		6' x 10', 40,000 LB Manual Dock Leveler.....	8,042.84	1,310.39
11 13 19 13-0056	EA		7' x 6', 40,000 LB Manual Dock Leveler.....	7,370.20	1,108.79
11 13 19 13-0057	EA		7' x 8', 40,000 LB Manual Dock Leveler.....	8,367.79	1,209.59

11	<b>11 Equipment</b>	
	<b>11 10 Vehicle and Pedestrian Equipment</b>	
	<b>11 13 Loading Dock Equipment</b>	



		MINOR				TOTAL DIRECT	DEMOLITION
		CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
11	13	19	13-0058	EA	7' x 10', 40,000 LB Manual Dock Leveler.....	9,842.69	1,411.19
11	13	19	13-0059		<b>Edge Of Dock Levelers</b> (11 13 19 13)		
Note: Mounted on face of dock, single torsion bar counter balance, includes bumpers.							
11	13	19	13-0060		<b>Hydraulic Edge Of Dock Levelers</b> (11 13 19 13-0059)		
Note: Excludes control panel, remote operator, and electrical wiring.							
11	13	19	13-0061	EA	66" Usable Width, 20,000 LB Edge Of Dock Leveler, Hydraulic (Vestil PE-2066) .....	4,642.96	302.40
11	13	19	13-0062	EA	72" Usable Width, 20,000 LB Edge Of Dock Leveler, Hydraulic (Vestil PE-2072) .....	4,997.39	302.40
11	13	19	13-0063	EA	66" Usable Width, 25,000 LB Edge Of Dock Leveler, Hydraulic (Vestil PE-2566) .....	4,946.09	302.40
11	13	19	13-0064	EA	72" Usable Width, 25,000 LB Edge Of Dock Leveler, Hydraulic (Vestil PE-2572) .....	5,432.65	302.40
11	13	19	13-0065	EA	66" Usable Width, 20,000 LB Conventional Trailer, HED Series Edge Of Dock Leveler, Hydraulic (DLM HED6620) ....	4,371.79	302.40
11	13	19	13-0066	EA	72" Usable Width, 20,000 LB Conventional Trailer, HED Series Edge Of Dock Leveler, Hydraulic (DLM HED7220) ....	4,613.51	302.40
11	13	19	13-0067		<b>Manual Edge Of Dock Levelers</b> (11 13 19 13-0059)		
11	13	19	13-0068	EA	66" Usable Width, 20,000 LB Edge Of Dock Leveler, Manual (Vestil FM-2066) .....	2,385.23	302.40
11	13	19	13-0069	EA	72" Usable Width, 20,000 LB Edge Of Dock Leveler, Manual (Vestil FM-2072) .....	2,598.75	302.40
11	13	19	13-0070	EA	66" Usable Width, 25,000 LB Edge Of Dock Leveler, Manual (Vestil FM-2566) .....	2,664.04	302.40
11	13	19	13-0071	EA	72" Usable Width, 25,000 LB Edge Of Dock Leveler, Manual (Vestil FM-2572) .....	2,824.17	302.40
11	13	19	13-0072	EA	66" Usable Width, 25,000 LB Conventional Trailer, Edge of Dock Leveler, Manual (Bluff Manufacturing 25EP66) .....	2,438.01	302.40
11	13	19	13-0073	EA	72" Usable Width, 25,000 LB Conventional Trailer, Edge of Dock Leveler, Manual (Bluff Manufacturing 25EP72) .....	2,757.03	302.40
11	13	19	13-0074	EA	78" Usable Width, 25,000 LB Conventional Trailer, Edge Of Dock Leveler, Manual (Bluff Manufacturing 25EP78).....	2,991.72	302.40
11	13	19	13-0075	EA	72" Usable Width, 30,000 LB Conventional Trailer, Edge of Dock Leveler, Manual (Bluff Manufacturing 30EP72) .....	3,025.45	302.40
11	13	19	13-0076	EA	66" Usable Width, 20,000 LB Refrigerated Truck, Edge of Dock Leveler, Manual (Bluff Manufacturing 20EP66-R) .....	2,705.03	302.40
11	13	19	13-0077	EA	78" Usable Width, 30,000 LB Refrigerated Truck, Edge Of Dock Leveler, Manual (Bluff Manufacturing 30EP78-R) .....	3,678.95	302.40
11	13	19	13-0078	EA	72" Usable Width, 30,000 LB Refrigerated Truck, Edge Of Dock Leveler, Manual (Bluff Manufacturing 30EP72-R) .....	3,469.55	302.40
11	13	19	23		<b>Stationary Loading Dock Lifts</b> (11 13 19)		
11	13	19	23-0001		<b>Top Of Ground, Fixed Platform Lifts</b> (11 13 19 23)		
11	13	19	23-0002	EA	6' x 8', 5,500 LB Top Of Ground, Fixed Platform Lift.....	18,785.76	223.63
11	13	19	23-0003		<b>Pit Mounted, Fixed Platform Lifts</b> (11 13 19 23)		
11	13	19	23-0004	EA	6' x 8', 5,000 LB Fixed Platform Lift, Pit Mounted.....	12,806.01	223.63
11	13	19	23-0005	EA	6' x 8', 8,000 LB Fixed Platform Lift, Pit Mounted.....	23,074.18	335.44
11	13	19	23-0006	EA	7' x 12', 15,000 LB Fixed Platform Lift, Pit Mounted.....	40,443.16	670.88
11	13	19	23-0007	EA	8' x 20', 15,000 LB Fixed Platform Lift, Pit Mounted.....	42,367.11	894.51
11	13	19	23-0008		<b>Electric Powered Truck Scissor Dock Lift</b> (11 13 19 23)		
11	13	19	23-0009	EA	5,000 lbs., 96" Length x 72" Width, Hydraulic, Truck Scissor Dock Lift (Global Industrial WL-100-5-68).....	11,653.76	634.78
11	13	19	23-0010	EA	6,000 lbs., 96" Length x 96" Width, Hydraulic, Truck Scissor Dock Lift (Global Industrial WL-100-6-88).....	14,155.31	634.78
11	13	19	26		<b>Loading Dock Truck Lifts</b> (11 13 19)		
11	13	19	26-0001		<b>Hydraulic Truck Lifts</b> (11 13 19 26)		
11	13	19	26-0002	EA	10' x 15', 60,000 LB Platform Truck Lift .....	36,929.06	1,619.30
11	13	19	26-0003	EA	10' x 20', 60,000 LB Platform Truck Lift .....	42,202.55	1,943.17
11	13	19	33		<b>Loading Dock Truck Restraints</b> (11 13 19)		
11	13	19	33-0001		<b>Truck Restraint System</b> (11 13 19 33)		
11	13	19	33-0002	EA	Truck Restraint System (Poweramp Powerstop AAL).....	8,683.85	377.99
Note: Includes push button controls, warning lights, alarms, 30,000 LB holding force, all mounting plates, bolts, welds, warning signs, gasketed weatherproof box for controls, 120 V UL listed.							
11	13	19	33-0003	EA	Rotating Hook Truck Restraint System (Kelley Star 4) .....	8,218.56	377.99
Note: Includes push button controls, warning lights, alarms, 32,000 LB holding force, all mounting plates, bolts, welds, warning signs, gasketed weatherproof box for controls, 120 V UL listed.							
11	13	23			<b>Portable Dock Equipment</b> (11 13)		
11	13	23	23		<b>Portable Dock Platforms</b> (11 13 23)		
11	13	23	23-0001	EA	6' x 6', 5,000 LB Capacity Portable Platform Lift .....	12,095.87	99.18
11	13	26			<b>Loading Dock Lights</b> (11 13)		
11	13	26	00-0001		<b>Communication Lights</b> (11 13 26)		
11	13	26	00-0002	EA	Console Controlled, Dock Communication Light, Stop And Go Red Light Style, 12 Or 24 Volt DC Or 115 Volt AC .....	329.31	81.43
Note: Excludes control console.							
11	13	26	00-0003	EA	Toggle Switch Controlled, Dock Communication Light, Stop And Go Red Light Style, With Solid State Flasher, 12 Or 24 Volt DC Or 115 Volt AC .....	409.03	81.43
11	13	26	00-0004	EA	Dock Guide Light For Truck Backing .....	181.46	65.14
11	13	26	00-0005		<b>Communication Lights Controls</b> (11 13 26)		
11	13	26	00-0006	EA	Dock Communication Lights Control Console For Up To Two Docks.....	353.80	108.58

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 13 26 00-0007			<b>Loading Dock Lights</b> <small>(11 13 26)</small>		
11 13 26 00-0008			<b>Incandescent Loading Dock Lights</b> <small>(11 13 26 00-0007)</small>		
11 13 26 00-0009	EA		24" Long, Single Arm Loading Dock Light, 300W Incandescent .....	459.60	108.58
11 13 26 00-0010	EA		40" Long, Dual Arm Loading Dock Light, 300W Incandescent .....	404.06	108.58
11 13 26 00-0011	EA		60" Long, Dual Arm Loading Dock Light, 300W Incandescent .....	544.18	108.58
11 13 26 00-0012			<b>Metal Halide Loading Dock Lights</b> <small>(11 13 26 00-0007)</small>		
11 13 26 00-0013	EA		24" Long, Single Arm Loading Dock Light, 100W Metal Halide .....	651.59	108.58
11 13 26 00-0014	EA		40" Long, Dual Arm Loading Dock Light, 100W Metal Halide .....	717.42	108.58
11 13 26 00-0015	EA		60" Long, Dual Arm Loading Dock Light, 100W Metal Halide .....	770.06	108.58
11 13 26 00-0016			<b>Quartz Halogen Loading Dock Lights</b> <small>(11 13 26 00-0007)</small>		
11 13 26 00-0017	EA		24" Long, Single Arm Loading Dock Light, 500W Quartz Halogen .....	396.66	108.58
11 13 26 00-0018	EA		40" Long, Dual Arm Loading Dock Light, 500W Quartz Halogen .....	438.30	108.58
11 13 26 00-0019	EA		60" Long, Dual Arm Loading Dock Light, 500W Quartz Halogen .....	473.85	108.58

**11 14 Pedestrian Control Equipment** (11 10)
**11 14 13 Pedestrian Gates** (11 14)
**11 14 13 16 Rotary Gates** (11 14 13)

11 14 13 16-0001			<b>Access Control Indoor Or Outdoor Impenetrability</b> <small>(11 14 13 16)</small>		
11 14 13 16-0002			<b>Mechanical</b> <small>(11 14 13 16-0001)</small>		
11 14 13 16-0003			<b>Galvanized Steel</b> <small>(11 14 13 16-0002)</small>		
11 14 13 16-0004	EA		One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Galvanized Steel .....	10,620.89	1,486.90
11 14 13 16-0005	EA		One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Galvanized Steel .....	11,942.38	1,486.90
11 14 13 16-0006	EA		One-Way, "Handicapped" 7' High Exit Rotary Gate, 4 Rotor Sections, Galvanized Steel .....	23,598.59	2,218.38
11 14 13 16-0007	EA		One-Way, Double 7' High Exit Rotary Gate, 3 Or 4 Rotor Sections, Galvanized Steel .....	22,869.83	2,218.38
11 14 13 16-0008			<b>Powder Coated Steel</b> <small>(11 14 13 16-0002)</small>		
11 14 13 16-0009	EA		One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel .....	11,959.38	1,486.90
11 14 13 16-0010	EA		One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Powder Coated Steel .....	13,229.85	1,486.90
11 14 13 16-0011	EA		One-Way, "Handicapped" 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel .....	27,754.95	2,218.38
11 14 13 16-0012	EA		One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel .....	25,065.83	2,218.38
11 14 13 16-0013			<b>Anodized Aluminum</b> <small>(11 14 13 16-0002)</small>		
11 14 13 16-0014	EA		One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms .....	12,539.96	1,486.90
11 14 13 16-0015	EA		One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Complete Anodized Aluminum .....	21,433.26	1,486.90
11 14 13 16-0016	EA		One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms .....	24,958.94	2,218.38
11 14 13 16-0017	EA		One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Complete Anodized Aluminum .....	41,710.70	2,218.38
11 14 13 16-0018			<b>Stainless Steel</b> <small>(11 14 13 16-0002)</small>		
11 14 13 16-0019	EA		One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel .....	19,572.49	1,486.90
11 14 13 16-0020	EA		One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Stainless Steel .....	21,919.10	1,486.90
11 14 13 16-0021	EA		One-Way, "Handicapped" 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel .....	31,372.03	2,218.38
11 14 13 16-0022	EA		One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel .....	38,999.72	2,218.38
11 14 13 16-0023			<b>Transparent</b> <small>(11 14 13 16-0002)</small>		
11 14 13 16-0024	EA		One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Transparent .....	38,437.66	1,487.13
11 14 13 16-0025			<b>Mechanical Options</b> <small>(11 14 13 16-0001)</small>		
11 14 13 16-0026	EA		Out-of-Use Lock Option, Add .....	206.48	
11 14 13 16-0027	EA		Heel Protector (Each Heel Protector), Add .....	145.75	
11 14 13 16-0028			<b>Electrical, One-Way</b> <small>(11 14 13 16-0001)</small>		
11 14 13 16-0029			<b>Galvanized Steel</b> <small>(11 14 13 16-0028)</small>		
11 14 13 16-0030	EA		One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel .....	11,206.33	1,486.90
11 14 13 16-0031	EA		One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel .....	12,530.24	1,486.90
11 14 13 16-0032	EA		One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel .....	25,784.87	2,218.38
11 14 13 16-0033	EA		One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel .....	23,814.79	2,218.38
11 14 13 16-0034	EA		One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel .....	25,784.87	2,218.38
11 14 13 16-0035			<b>Powder Coated Steel</b> <small>(11 14 13 16-0028)</small>		
11 14 13 16-0036	EA		One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel .....	12,542.39	1,486.90
11 14 13 16-0037	EA		One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel .....	14,021.77	1,486.90
11 14 13 16-0038	EA		One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel .....	34,308.93	2,218.38
11 14 13 16-0039	EA		One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel .....	26,022.93	2,218.38
11 14 13 16-0040	EA		One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel .....	27,997.87	2,218.38

**11 Equipment**  
**11 10 Vehicle and Pedestrian Equipment**  
**11 14 Pedestrian Control Equipment**



MINOR		TOTAL DIRECT	DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
11 14 13 16-0041		<b>Anodized Aluminum</b> <small>(11 14 13 16-0028)</small>		
11 14 13 16-0042	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms.....	12,785.31	1,486.90
11 14 13 16-0043	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms.....	13,538.36	1,486.90
11 14 13 16-0044	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum.....	22,162.02	1,486.90
11 14 13 16-0045	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms.....	26,297.43	2,218.38
11 14 13 16-0046	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms.....	29,185.75	2,218.38
11 14 13 16-0047	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum.....	42,971.46	2,218.38
11 14 13 16-0048		<b>Stainless Steel</b> <small>(11 14 13 16-0028)</small>		
11 14 13 16-0049	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel.....	20,799.24	1,486.90
11 14 13 16-0050	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel.....	22,232.47	1,486.90
11 14 13 16-0051	EA	One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel.....	35,929.21	2,218.38
11 14 13 16-0052	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel.....	40,872.63	2,218.38
11 14 13 16-0053	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel.....	44,999.84	2,218.38
11 14 13 16-0054		<b>Transparent</b> <small>(11 14 13 16-0028)</small>		
11 14 13 16-0055	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms.....	35,092.65	1,487.13
11 14 13 16-0056	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms.....	37,123.46	1,487.13
11 14 13 16-0057	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Panels.....	38,010.12	1,487.13
11 14 13 16-0058	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms.....	62,465.79	2,218.38
11 14 13 16-0059	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms.....	66,376.80	2,218.38
11 14 13 16-0060		<b>Electrical, Two-Way</b> <small>(11 14 13 16-0001)</small>		
11 14 13 16-0061		<b>Galvanized Steel</b> <small>(11 14 13 16-0060)</small>		
11 14 13 16-0062	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel.....	12,051.69	1,486.90
11 14 13 16-0063	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel.....	13,414.47	1,486.90
11 14 13 16-0064	EA	Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel.....	30,429.50	2,218.38
11 14 13 16-0065	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel.....	25,323.32	2,218.38
11 14 13 16-0066		<b>Powder Coated Steel</b> <small>(11 14 13 16-0060)</small>		
11 14 13 16-0067	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel.....	13,283.29	1,486.90
11 14 13 16-0068	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel.....	14,847.70	1,486.90
11 14 13 16-0069	EA	Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel.....	35,042.55	2,218.38
11 14 13 16-0070	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel.....	27,543.61	2,218.38
11 14 13 16-0071		<b>Anodized Aluminum</b> <small>(11 14 13 16-0060)</small>		
11 14 13 16-0072	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms.....	13,618.52	1,486.90
11 14 13 16-0073	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms.....	14,337.57	1,486.90
11 14 13 16-0074	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum.....	23,131.27	1,486.90
11 14 13 16-0075	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms.....	27,995.44	2,218.38
11 14 13 16-0076	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum.....	44,548.01	2,218.38
11 14 13 16-0077		<b>Stainless Steel</b> <small>(11 14 13 16-0060)</small>		
11 14 13 16-0078	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel.....	21,620.31	1,486.90
11 14 13 16-0079	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel.....	23,077.83	1,486.90
11 14 13 16-0080	EA	Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel.....	36,531.65	2,218.38
11 14 13 16-0081	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel.....	42,087.23	2,218.38
11 14 13 16-0082	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel.....	46,675.99	2,218.38
11 14 13 16-0083		<b>Transparent</b> <small>(11 14 13 16-0060)</small>		
11 14 13 16-0084	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms.....	35,797.12	1,487.13
11 14 13 16-0085	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms.....	37,706.47	1,487.13
11 14 13 16-0086	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Panels.....	38,802.04	1,487.13
11 14 13 16-0087	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms.....	63,947.60	2,218.38
11 14 13 16-0088	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms.....	67,591.40	2,218.38
11 14 13 16-0089		<b>Electrical Options</b> <small>(11 14 13 16-0001)</small>		
11 14 13 16-0090	EA	Additional Set Of Electric Controls, Per Rotor, Add.....	808.92	
11 14 13 16-0091	EA	Indicator Lights, Set, Red/Green, Per Controlled Direction, Add.....	568.43	
11 14 13 16-0092	EA	Time-Out-Relay, Per Controlled Direction.....	187.05	
11 14 13 16-0093	EA	Pulse-Relay, Per Controlled Direction.....	187.05	
11 14 13 16-0094	EA	Pushbutton, Per Controlled Direction.....	148.18	
11 14 13 16-0095	EA	Heel Protectors, (Per Heel Protector), Add.....	145.75	
11 14 13 16-0096	EA	Card Reader Mounting Pad, Per Reader.....	133.61	
11 14 13 16-0097	EA	Hydraulic Speed Control (Per Rotor), Add.....	3,393.59	
11 14 13 16-0098		<b>Relocate Rotary Gate</b> <small>(11 14 13 16-0001)</small>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 14 13 16-0099	EA	Relocate Rotary Gate .....	4,367.72	
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**11 14 13 19 Turnstiles** (11 14 13)

11 14 13 19-0001	EA	Turnstiles <small>(11 14 13 19)</small>	2,329.73	419.30
11 14 13 19-0002	EA	24" Diameter Manual Turnstile, Three Arm, Two Way .....	2,329.73	
11 14 13 19-0003	EA	24" Diameter Manual Turnstile, Three Arm, Two Way With Counter .....	3,013.73	419.30

**11 14 16 Pedestrian Control Devices** (11 14)

11 14 16 00-0001	EA	Retractable Barrier <small>(11 14 16)</small>		
11 14 16 00-0002	EA	Wall Mounted, Retractable Belt Barrier With Receiver; 6-1/2' (WG269387BK) .....	81.04	17.85
11 14 16 00-0003	EA	Wall Mounted, Retractable Belt Barrier With Receiver; 10' (WGB2093791) .....	145.51	17.85
11 14 16 00-0004	EA	Wall Mounted, Retractable Belt Barrier With Receiver; 15' (WGB2093770) .....	177.74	17.85
11 14 16 00-0005	EA	Wall Mounted, Retractable Belt Barrier With Receiver; 30' (WGB2093771) .....	290.55	17.85

**11 20 Commercial Equipment** (11)

**11 21 Retail and Service Equipment** (11 20)

**11 21 63 Refrigerated Display Equipment** (11 21)

11 21 63 00-0001	EA	Dairy Products <small>(11 21 63)</small>		
11 21 63 00-0002	EA	Refrigerated Dairy Case <small>(11 21 63 00-0001)</small>		
11 21 63 00-0003	LF	Refrigerated Case, Dairy, Multi-Deck .....	1,826.98	329.02
		<i>For Rear Sliding Doors, Add</i> .....	19.95	
11 21 63 00-0004	EA	Refrigerated Milk Unit <small>(11 21 63 00-0001)</small>		
11 21 63 00-0005	EA	46" x 32" x 49-1/2" Capacity: 12, 13" x 13" x 11" Refrigerated Milk Unit .....	9,027.34	238.73
11 21 63 00-0006	EA	Refrigerated Ice Cream And Milk Dispenser <small>(11 21 63 00-0001)</small>		
11 21 63 00-0007	EA	63-1/2" x 28-1/2" x 35-3/8" Refrigerated Ice Cream And Milk Dispenser .....	10,009.09	262.17
11 21 63 00-0008	EA	Ice Cream Dispenser <small>(11 21 63 00-0001)</small>		
11 21 63 00-0009	EA	46" x 28-1/2" x 35-3/8" Refrigerated Ice Cream Dispenser .....	8,359.63	220.74
11 21 63 00-0010	EA	Drop-In Ice Cream Freezer <small>(11 21 63 00-0001)</small>		
11 21 63 00-0011	EA	27-7/8" x 16-9/16" x 28-1/4" 6 Gallon Drop-In Ice Cream Freezer .....	2,084.73	54.94
11 21 63 00-0012	EA	30" x 27-7/8" x 28-1/4" 12 Gallon Drop-In Ice Cream Freezer .....	2,724.24	71.84
11 21 63 00-0013	EA	Ice Cream Cabinets <small>(11 21 63 00-0001)</small>		
11 21 63 00-0014	EA	46" x 32" x 42", 24 Gallon Ice Cream Cabinet .....	6,529.54	171.69
11 21 63 00-0015	EA	68" x 32" x 42", 48 Gallon Ice Cream Cabinet .....	9,301.11	247.77
11 21 63 00-0016	EA	Delicatessen Case, Service Deli <small>(11 21 63)</small>		
11 21 63 00-0017	LF	Delicatessen Case, Single-Deck .....	1,825.15	274.18
11 21 63 00-0018	LF	Delicatessen Case, Multi-Deck .....	2,034.64	329.02
11 21 63 00-0019	EA	Delicatessen Case, 3 Shelf, 32" x 23" x 23" .....	2,413.90	78.25
11 21 63 00-0020	EA	Meat Case <small>(11 21 63)</small>		
11 21 63 00-0021	LF	Meat Case, Single - Deck .....	1,330.61	329.02
11 21 63 00-0022	LF	Meat Case, Multi - Deck .....	1,442.58	329.02
11 21 63 00-0023	EA	Produce Case <small>(11 21 63)</small>		
11 21 63 00-0024	LF	Single Deck Produce Case .....	1,388.19	329.02
11 21 63 00-0025	LF	Multi-Deck Produce Case .....	1,534.44	329.02
11 21 63 00-0026	EA	Bottle Coolers <small>(11 21 63)</small>		
11 21 63 00-0027	EA	Bottle Cooler, 6' Long .....	5,177.70	1,096.72
11 21 63 00-0028	EA	Bottle Cooler, 10' Long .....	7,789.49	1,645.07
11 21 63 00-0029	EA	Cold Pan Units <small>(11 21 63)</small>		
11 21 63 00-0030	EA	5" x 48", Iced, Cold Pan Units .....	3,341.87	87.42
11 21 63 00-0031	EA	5" x 72", Iced, Cold Pan Units .....	4,642.88	122.30
11 21 63 00-0032	EA	8" x 72", Iced, Cold Pan Units .....	5,489.64	144.66
11 21 63 00-0033	EA	5" x 48", Mechanical, Cold Pan Units .....	5,643.40	149.45
11 21 63 00-0034	EA	8" x 48", Mechanical, Cold Pan Units .....	6,142.40	161.33
11 21 63 00-0035	EA	8" x 72", Mechanical, Cold Pan Units .....	7,298.59	190.66

**11 Equipment**  
**11 20 Commercial Equipment**  
**11 21 Retail and Service Equipment**



MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

11 21 63 00-0036		<b>Cold Cabinets (Insulated)</b> (11 21 63)		
11 21 63 00-0037	EA	69-3/4" x 32" x 24", Insulated Cold Cabinet .....	3,034.91	75.65

**11 28 Office Equipment** (11 20)

**11 28 13 Computers** (11 28)

11 28 13 00-0001		<b>Accessories</b> (11 28 13)		
11 28 13 00-0002	EA	32" Wall Track, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AN-KN-020) .....	949.20	54.18
11 28 13 00-0003	EA	32" Wall Track, Universal CPU Holder, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AN-KU-020) .....	1,165.03	59.61
11 28 13 00-0004	EA	32" Wall Track, eDesk, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AN-EN-020) .....	1,516.96	65.02
11 28 13 00-0005	EA	32" Wall Track, eDesk, Universal CPU Holder, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AN-EU-020) .....	1,640.49	70.44
11 28 13 00-0006	EA	32" Wall Track, 18" Extension Arm, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AA-KN-020) .....	1,211.41	59.61
11 28 13 00-0007	EA	32" Wall Track, 18" Extension Arm, Universal CPU Holder, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AA-KU-020) .....	1,263.85	59.61
11 28 13 00-0008	EA	32" Wall Track, eDesk, 18" Extension Arm, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AA-EN-020) .....	1,790.02	75.86
11 28 13 00-0009	EA	32" Wall Track, eDesk, 18" Extension Arm, Universal CPU Holder, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AA-EU-020) .....	1,902.71	75.86
11 28 13 00-0010	EA	25" Wall Track, Universal CPU Holder, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (Ergotron 45-271-026) .....	1,007.96	59.61
11 28 13 00-0011	EA	37" To 61" Universal Tilt Flat Monitor Wall Mount (Premier Mounts CTM-MS2) .....	286.67	59.61
11 28 13 00-0012	EA	32" To 56" Universal Tilt Flat Monitor Wall Mount (Peerless ST650P) .....	208.31	59.61

**11 30 Residential Equipment** (11)

**11 32 Unit Kitchens** (11 30)

**11 32 13 Metal Unit Kitchens** (11 32)

Note: Includes electrical hook-up to outlet, supply line connection to service stops, and drain line and p-trap. Excludes garbage disposer and hood exhaust vent piping.

11 32 13 00-0001		<b>30" Compact Kitchen</b> (11 32 13)		
11 32 13 00-0002	EA	30" Compact Unit Kitchen With Refrigerator, Range And Sink .....	2,087.49	548.12
		<i>For Gas Unit, Add</i>	203.50	
11 32 13 00-0003	EA	30" Compact Unit Kitchen With Refrigerator And Sink .....	1,725.66	383.68
11 32 13 00-0004	EA	30" Compact Unit Kitchen With Refrigerator And Range .....	1,565.60	328.88
11 32 13 00-0005	EA	30" Compact Unit Kitchen Cabinet For Upper Wall Section .....	534.73	332.99
11 32 13 00-0006	EA	30" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section .....	1,014.75	221.98
		<i>For Range Hood In Upper Section, Add</i>	179.00	
11 32 13 00-0007	EA	30" Compact Unit Kitchen Stainless Steel Shield For Rear Wall .....	63.16	15.87
11 32 13 00-0008	EA	30" Compact Unit Kitchen Stainless Steel Shield For Side Wall .....	57.58	15.87
11 32 13 00-0009		<b>42" Compact Kitchen</b> (11 32 13)		
11 32 13 00-0010	EA	42" Compact Unit Kitchen With Refrigerator, Range And Sink .....	2,409.61	602.94
		<i>For Gas Unit, Add</i>	240.85	
11 32 13 00-0011	EA	42" Compact Unit Kitchen With Refrigerator And Sink .....	2,143.29	493.31
11 32 13 00-0012	EA	42" Compact Unit Kitchen Cabinet For Upper Wall Section .....	663.19	188.69
11 32 13 00-0013	EA	42" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section .....	1,171.96	249.73
		<i>For Range Hood In Upper Section, Add</i>	179.00	
11 32 13 00-0014	EA	42" Compact Unit Kitchen Stainless Steel Shield For Rear Wall .....	74.71	15.87
11 32 13 00-0015	EA	42" Compact Unit Kitchen Stainless Steel Shield For Side Wall .....	63.71	15.87
11 32 13 00-0016		<b>54" Compact Kitchen</b> (11 32 13)		
11 32 13 00-0017	EA	54" Compact Unit Kitchen With Refrigerator, Oven, Range And Sink .....	3,232.76	767.38
		<i>For Gas Unit, Add</i>	331.44	
11 32 13 00-0018	EA	54" Compact Unit Kitchen Cabinet For Upper Wall Section .....	813.84	110.99
11 32 13 00-0019	EA	54" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section .....	1,303.10	277.49
		<i>For Range Hood In Upper Section, Add</i>	179.00	
11 32 13 00-0020	EA	54" Compact Unit Kitchen Stainless Steel Shield For Rear Wall .....	86.35	15.87
11 32 13 00-0021	EA	54" Compact Unit Kitchen Stainless Steel Shield For Side Wall .....	66.71	15.87
11 32 13 00-0022		<b>60" Compact Kitchen</b> (11 32 13)		
11 32 13 00-0023	EA	60" Compact Unit Kitchen With Refrigerator, Oven, Range, And Sink .....	3,409.63	822.19
		<i>For Gas Unit, Add</i>	347.01	
11 32 13 00-0024	EA	60" Compact Unit Kitchen Cabinet For Upper Wall Section .....	975.27	277.49
11 32 13 00-0025	EA	60" Compact Unit Kitchen Stainless Steel Shield For Rear Wall .....	91.06	15.87
11 32 13 00-0026	EA	60" Compact Unit Kitchen Stainless Steel Shield For Side Wall .....	66.71	15.87
11 32 13 00-0027		<b>72" Compact Kitchen</b> (11 32 13)		
11 32 13 00-0028	EA	72" Compact Unit Kitchen With Refrigerator, Oven, Range And Sink .....	3,653.75	877.00
		<i>For Gas Unit, Add</i>	372.66	
11 32 13 00-0029	EA	72" Compact Unit Kitchen Cabinet For Upper Wall Section .....	1,187.13	332.99
11 32 13 00-0030	EA	72" Compact Unit Kitchen Stainless Steel Shield For Rear Wall .....	105.68	19.84
11 32 13 00-0031	EA	72" Compact Unit Kitchen Stainless Steel Shield For Side Wall .....	70.32	19.84



## 11 40 Foodservice Equipment <sup>(11)</sup>

### 11 41 Foodservice Storage Equipment <sup>(11 40)</sup>

#### 11 41 13 Refrigerated Food Storage Cases <sup>(11 41)</sup>

##### 11 41 13 00-0001 Frozen Food Cases <sup>(11 41 13)</sup>

11 41 13 00-0002	LF	Chest Type Frozen Food Case.....	1,378.02	329.02
11 41 13 00-0003	LF	Reach-in Frozen Food Case (Glass Door).....	2,676.44	329.02
11 41 13 00-0004	LF	Island Type Frozen Food Case.....	1,606.41	329.02
11 41 13 00-0005	LF	Multi-Deck Frozen Food Case.....	2,565.91	329.02

##### 11 41 13 00-0006 Reach-In Refrigeration <sup>(11 41 13)</sup>

##### 11 41 13 00-0007 Reach-In Refrigerators <sup>(11 41 13 00-0006)</sup>

11 41 13 00-0008	EA	Single Section, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator.....	4,757.63	153.97
11 41 13 00-0009	EA	Two Section, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator.....	5,860.24	194.19
11 41 13 00-0010	EA	Three Section, 69.1 CF, Full Door, Self Contained, Reach-In Refrigerator.....	7,829.84	214.54
11 41 13 00-0011	EA	Single Section, Glass Door, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator.....	4,824.54	153.97
11 41 13 00-0012	EA	Two Section, Glass Door, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator.....	6,277.31	194.19
11 41 13 00-0013	EA	Three Section, Glass Door, 61.1 CF, Full Door, Self Contained, Reach-In Refrigerator.....	8,352.73	214.54
11 41 13 00-0014	EA	Single Section, Pass-Thru, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator.....	5,715.23	153.97
11 41 13 00-0015	EA	Two Section, Pass-Thru, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator.....	7,731.18	194.19
11 41 13 00-0016	EA	Single Section, Pass-Thru, Glass Door, 25.6 CF, Full Door, Self Contained, Reach-In Refrigerator.....	6,554.33	153.97
11 41 13 00-0017	EA	Two Section, Pass-Thru, Glass Door, 48.8 CF, Full Door, Self Contained, Reach-In Refrigerator.....	9,446.54	194.19
11 41 13 00-0018	EA	One Section, 12.6 CF, Self-Closing, Double Pane Tempered Glass Door, Merchandiser Refrigerator (Summit SCR1400WLH).....	1,983.63	45.31
11 41 13 00-0019	EA	One Section, 20.6 CF, Stainless Steel, Glass Door, Upright Refrigerator (Avantco SS-1R-G-HC 29).....	2,876.24	45.31

##### 11 41 13 00-0020 Reach-In Freezers <sup>(11 41 13 00-0006)</sup>

11 41 13 00-0021	EA	Single Section, 24.2 CF, Full Door, Self Contained, Reach-In Freezer.....	5,351.44	154.15
11 41 13 00-0022	EA	Two Section, 46.0 CF, Full Door, Self Contained, Reach-In Freezer.....	7,096.11	193.92

#### 11 41 23 Walk-In-Coolers <sup>(11 41)</sup>

##### 11 41 23 00-0001 Walk-In Refrigerated Boxes <sup>(11 41 23)</sup>

Note: Overall height includes 4" floor panel and 4" ceiling panel. See CSI section 11 41 23 00-0171 for air cooled condensing units for coolers and freezers, 11 41 23 00-0282 for accessories, 21 13 16 00-0000 for dry-pipe sprinkler heads, 26 50 00 00-0000 for lighting.

##### 11 41 23 00-0002 Walk-In Refrigerated Unit, 7'6" High With Floor <sup>(11 41 23 00-0001)</sup>

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 6', 7', 8' and 9' wide.

11 41 23 00-0003	EA	6' x 6' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	7,674.46	1,341.76
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-1,471.28	
11 41 23 00-0004	EA	6' x 8' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	9,125.12	1,509.49
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-1,778.12	
11 41 23 00-0005	EA	6' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	9,701.83	1,677.20
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-1,866.39	
11 41 23 00-0006	EA	6' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	11,027.19	2,012.65
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,086.28	
11 41 23 00-0007	EA	6' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	12,733.28	2,348.09
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,401.04	
11 41 23 00-0008	EA	6' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	14,119.47	2,683.53
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,635.20	
11 41 23 00-0009	EA	6' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	15,482.63	3,018.97
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,864.34	
11 41 23 00-0010	EA	8' x 8' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	10,062.31	1,677.20
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-1,956.51	
11 41 23 00-0011	EA	8' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	11,016.84	1,844.93
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,139.40	
11 41 23 00-0012	EA	8' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	12,463.98	2,180.37
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,388.88	
11 41 23 00-0013	EA	8' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	14,319.12	2,515.81
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,741.18	
11 41 23 00-0014	EA	8' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	15,786.22	2,851.25
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,996.48	
11 41 23 00-0015	EA	8' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	17,296.96	3,186.69
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,261.82	
11 41 23 00-0016	EA	8' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	18,762.16	3,522.13
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,517.12	

**11 Equipment**  
**11 40 Foodservice Equipment**  
**11 41 Foodservice Storage Equipment**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
11 41 23 00-0017	EA 8' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	20,269.37 -3,781.14	3,857.58
11 41 23 00-0018	EA 8' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	21,741.74 -4,037.77	4,193.02
11 41 23 00-0019	<b>Walk-In Refrigerated Unit, 7'6" High With Floor</b> <small>(11 41 23 00-0001)</small> Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 10', 11' and 12' wide.		
11 41 23 00-0020	EA 10' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	12,450.11 -2,442.01	2,012.65
11 41 23 00-0021	EA 10' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	14,015.60 -2,721.62	2,348.09
11 41 23 00-0022	EA 10' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	15,643.88 -3,016.30	2,683.53
11 41 23 00-0023	EA 10' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	17,188.86 -3,290.89	3,018.97
11 41 23 00-0024	EA 10' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	18,836.23 -3,591.92	3,354.41
11 41 23 00-0025	EA 10' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	20,384.06 -3,865.19	3,689.85
11 41 23 00-0026	EA 10' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	22,035.38 -4,167.80	4,025.29
11 41 23 00-0027	EA 10' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	23,573.39 -4,440.80	4,360.73
11 41 23 00-0028	EA 10' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	25,225.53 -4,741.83	4,696.17
11 41 23 00-0029	EA 10' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	26,774.50 -5,016.42	5,031.61
11 41 23 00-0030	EA 10' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	28,648.55 -5,317.70	5,534.78
11 41 23 00-0031	EA 10' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	30,400.58 -5,590.71	6,037.94
11 41 23 00-0032	EA 12' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	15,444.98 -3,022.64	2,515.81
11 41 23 00-0033	EA 12' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	17,229.22 -3,357.23	2,851.25
11 41 23 00-0034	EA 12' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	18,882.68 -3,658.25	3,186.69
11 41 23 00-0035	EA 12' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	20,658.67 -3,991.25	3,522.13
11 41 23 00-0036	EA 12' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	22,320.23 -4,293.86	3,857.58
11 41 23 00-0037	EA 12' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	24,097.06 -4,626.60	4,193.02
11 41 23 00-0038	EA 12' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	25,743.58 -4,927.62	4,528.46
11 41 23 00-0039	EA 12' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	27,532.85 -5,262.20	4,863.90
11 41 23 00-0040	EA 12' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	29,299.98 -5,563.23	5,283.20
11 41 23 00-0041	EA 12' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	31,302.10 -5,896.23	5,786.36
11 41 23 00-0042	EA 12' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	33,181.37 -6,198.84	6,289.52
11 41 23 00-0043	EA 12' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	35,175.95 -6,531.57	6,792.68
11 41 23 00-0044	EA 12' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	37,043.92 -6,832.59	7,295.85

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 41 23 00-0045			<b>Walk-In Refrigerated Unit, 7'6" High With Floor</b> <small>(11 41 23 00-0001)</small> Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 13', 14' and 15' wide.		
11 41 23 00-0046	EA		14' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	20,224.98	3,018.97
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,049.92	
11 41 23 00-0047	EA		14' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	22,195.83	3,354.41
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,431.82	
11 41 23 00-0048	EA		14' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	24,320.86	3,689.85
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,849.39	
11 41 23 00-0049	EA		14' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	26,290.39	4,025.29
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,231.55	
11 41 23 00-0050	EA		14' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	28,400.31	4,360.73
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,647.53	
11 41 23 00-0051	EA		14' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	30,383.34	4,696.17
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,031.28	
11 41 23 00-0052	EA		14' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	32,497.88	5,031.61
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,447.26	
11 41 23 00-0053	EA		14' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	34,695.42	5,534.78
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,829.42	
11 41 23 00-0054	EA		14' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	37,025.70	6,037.94
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,246.99	
11 41 23 00-0055	EA		14' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	39,250.99	6,541.10
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,628.89	
11 41 23 00-0056	EA		14' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	41,567.90	7,044.27
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,045.14	
11 41 23 00-0057	EA		14' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	43,777.71	7,463.56
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,428.62	
11 41 23 00-0058			<b>Walk-In Refrigerated Unit, 7'6" High With Floor</b> <small>(11 41 23 00-0001)</small> Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 16', 17' and 18' wide.		
11 41 23 00-0059	EA		16' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	24,211.74	3,522.13
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,879.52	
11 41 23 00-0060	EA		16' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	26,469.53	3,857.58
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,331.18	
11 41 23 00-0061	EA		16' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	28,656.53	4,193.02
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,766.46	
11 41 23 00-0062	EA		16' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	30,911.96	4,528.46
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,219.71	
11 41 23 00-0063	EA		16' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	33,104.01	4,863.90
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,654.99	
11 41 23 00-0064	EA		16' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	35,473.71	5,283.20
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,106.66	
11 41 23 00-0065	EA		16' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	37,891.29	5,786.36
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,543.52	
11 41 23 00-0066	EA		16' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	40,366.78	6,289.52
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,995.19	
11 41 23 00-0067	EA		16' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	42,771.54	6,792.68
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,430.47	
11 41 23 00-0068	EA		16' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	45,248.42	7,295.85
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,883.72	
11 41 23 00-0069	EA		18' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	28,292.62	4,025.29
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,732.11	
11 41 23 00-0070	EA		18' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	30,603.40	4,360.73
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,198.31	
11 41 23 00-0071	EA		18' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	33,029.37	4,696.17
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,692.79	
11 41 23 00-0072	EA		18' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	35,339.49	5,031.61
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,157.67	
11 41 23 00-0073	EA		18' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	37,991.60	5,534.78
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,653.47	

**11 Equipment**

**11 40 Foodservice Equipment**

**11 41 Foodservice Storage Equipment**



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
11 41 23 00-0074	EA	18' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	40,511.11		6,037.94
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,118.35		
11 41 23 00-0075	EA	18' x 30' Walk-in Refrigerated Box, 7' 6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	43,186.74		6,541.10
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,612.83		
11 41 23 00-0076	EA	18' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	45,703.45		7,044.27
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,079.03		
11 41 23 00-0077	EA	18' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	48,357.26		7,547.43
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,573.51		
11 41 23 00-0078	EA	18' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	51,091.84		8,162.41
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-10,038.39		
<b>11 41 23 00-0079</b>		<b>Walk-In Refrigerated Unit, 8'6" High With Floor</b> <small>(11 41 23 00-0001)</small> Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 6', 7', 8' and 9' wide.			
11 41 23 00-0080	EA	6' x 6' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	8,057.14		1,341.76
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-1,566.95		
11 41 23 00-0081	EA	6' x 8' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	9,273.12		1,509.49
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-1,815.12		
11 41 23 00-0082	EA	6' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	10,188.11		1,677.20
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-1,987.96		
11 41 23 00-0083	EA	6' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	11,585.37		2,012.65
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,225.82		
11 41 23 00-0084	EA	6' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	13,323.17		2,348.09
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,548.51		
11 41 23 00-0085	EA	6' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	14,781.25		2,683.53
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,800.64		
11 41 23 00-0086	EA	6' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	16,176.11		3,018.97
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,037.71		
11 41 23 00-0087	EA	8' x 8' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	10,588.77		1,677.20
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,088.13		
11 41 23 00-0088	EA	8' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	11,575.01		1,844.93
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,278.94		
11 41 23 00-0089	EA	8' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	13,094.04		2,180.37
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,546.40		
11 41 23 00-0090	EA	8' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	14,980.89		2,515.81
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,906.62		
11 41 23 00-0091	EA	8' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	16,519.88		2,851.25
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,179.89		
11 41 23 00-0092	EA	8' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	18,062.34		3,186.69
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,453.17		
11 41 23 00-0093	EA	8' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	19,599.41		3,522.13
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,726.44		
11 41 23 00-0094	EA	8' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	21,138.35		3,857.58
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,998.39		
11 41 23 00-0095	EA	8' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	22,682.60		4,193.02
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,272.98		
<b>11 41 23 00-0096</b>		<b>Walk-In Refrigerated Unit, 8'6" High With Floor</b> <small>(11 41 23 00-0001)</small> Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 10', 11' and 12' wide.			
11 41 23 00-0097	EA	10' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	13,040.00		2,012.65
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,589.48		
11 41 23 00-0098	EA	10' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	14,677.37		2,348.09
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,887.06		
11 41 23 00-0099	EA	10' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	16,337.36		2,683.53
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,189.67		
11 41 23 00-0100	EA	10' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	17,954.23		3,018.97
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,482.24		
11 41 23 00-0101	EA	10' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	19,633.31		3,354.41
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,791.19		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0102	EA		10' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	21,253.03	3,689.85
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,082.43	
11 41 23 00-0103	EA		10' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	22,936.06	4,025.29
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,392.97	
11 41 23 00-0104	EA		10' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	24,545.96	4,360.73
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,683.95	
11 41 23 00-0105	EA		10' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	26,229.81	4,696.17
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,992.90	
11 41 23 00-0106	EA		10' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	27,850.67	5,031.61
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,285.46	
11 41 23 00-0107	EA		10' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	29,756.44	5,534.78
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,594.68	
11 41 23 00-0108	EA		10' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	31,580.35	5,954.08
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,885.66	
11 41 23 00-0109	EA		12' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	16,178.64	2,515.81
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,206.06	
11 41 23 00-0110	EA		12' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	17,994.60	2,851.25
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,548.57	
11 41 23 00-0111	EA		12' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	19,719.94	3,186.69
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,867.57	
11 41 23 00-0112	EA		12' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	21,527.65	3,522.13
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,208.50	
11 41 23 00-0113	EA		12' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	23,261.09	3,857.58
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,529.07	
11 41 23 00-0114	EA		12' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	25,069.63	4,193.02
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,869.74	
11 41 23 00-0115	EA		12' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	26,788.04	4,528.46
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,188.73	
11 41 23 00-0116	EA		12' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	28,609.03	4,863.90
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,531.25	
11 41 23 00-0117	EA		12' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	30,448.04	5,283.20
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,850.24	
11 41 23 00-0118	EA		12' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	32,481.88	5,786.36
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,191.17	
11 41 23 00-0119	EA		12' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	34,433.03	6,289.52
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,511.75	
11 41 23 00-0120	EA		12' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	36,459.33	6,792.68
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,852.42	
11 41 23 00-0121	EA		12' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	38,399.18	7,295.85
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,171.41	
11 41 23 00-0122			<b>Walk-In Refrigerated Unit, 8'6" High With Floor</b> <small>(11 41 23 00-0001)</small> Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 13', 14' and 15' wide.		
11 41 23 00-0123	EA		14' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	21,022.07	3,018.97
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,249.20	
11 41 23 00-0124	EA		14' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	23,064.81	3,354.41
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,649.06	
11 41 23 00-0125	EA		14' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	25,221.55	3,689.85
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,074.56	
11 41 23 00-0126	EA		14' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	27,262.96	4,025.29
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,474.69	
11 41 23 00-0127	EA		14' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	29,404.60	4,360.73
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,898.61	
11 41 23 00-0128	EA		14' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	31,459.51	4,696.17
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,300.32	
11 41 23 00-0129	EA		14' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	33,605.77	5,031.61
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,724.24	
11 41 23 00-0130	EA		14' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	35,875.20	5,534.78
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,124.37	

**11 Equipment**  
**11 40 Foodservice Equipment**  
**11 41 Foodservice Storage Equipment**



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
11 41 23 00-0131	EA	14' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	38,237.19		6,037.94
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,549.87		
11 41 23 00-0132	EA	14' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	40,534.36		6,541.10
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,949.73		
11 41 23 00-0133	EA	14' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	42,882.99		7,044.27
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,373.91		
11 41 23 00-0134	EA	14' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	45,164.68		7,547.43
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,775.36		
<b>11 41 23 00-0135 Walk-In Refrigerated Unit, 8'6" High With Floor</b> <small>(11 41 23 00-0001)</small>					
Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 16', 17' and 18' wide.					
11 41 23 00-0136	EA	16' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	25,152.60		3,522.13
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,114.73		
11 41 23 00-0137	EA	16' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	27,442.10		3,857.58
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,574.33		
11 41 23 00-0138	EA	16' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	29,700.99		4,193.02
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,027.58		
11 41 23 00-0139	EA	16' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	31,988.13		4,528.46
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,488.76		
11 41 23 00-0140	EA	16' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	34,252.07		4,863.90
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,942.01		
11 41 23 00-0141	EA	16' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	36,653.48		5,283.20
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,401.60		
11 41 23 00-0142	EA	16' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	39,142.95		5,786.36
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,856.44		
11 41 23 00-0143	EA	16' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	41,650.15		6,289.52
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,316.03		
11 41 23 00-0144	EA	16' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	44,126.80		6,792.68
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,769.28		
11 41 23 00-0145	EA	16' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	46,635.40		7,295.85
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,230.46		
11 41 23 00-0146	EA	18' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	29,296.91		4,025.29
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,983.18		
11 41 23 00-0147	EA	18' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	31,679.58		4,360.73
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,467.35		
11 41 23 00-0148	EA	18' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	34,137.26		4,696.17
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,969.76		
11 41 23 00-0149	EA	18' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	36,519.26		5,031.61
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,452.61		
11 41 23 00-0150	EA	18' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	39,203.09		5,534.78
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,956.34		
11 41 23 00-0151	EA	18' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	41,794.48		6,037.94
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,439.19		
11 41 23 00-0152	EA	18' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	44,501.83		6,541.10
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,941.60		
11 41 23 00-0153	EA	18' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	47,090.43		7,044.27
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,425.77		
11 41 23 00-0154	EA	18' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	49,775.95		7,547.43
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,928.18		
11 41 23 00-0155	EA	18' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	52,582.41		8,162.41
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-10,411.03		
<b>11 41 23 00-0156 Walk-In Refrigerated Unit Metal Price Add-Ons</b> <small>(11 41 23 00-0001)</small>					
11 41 23 00-0157	SF	Metal Price Add-on, 190 Series Embossed White Polyester vs. 24 Gauge Galvalume®	0.45		
11 41 23 00-0158	SF	Metal Price Add-ons, 24 Gauge White Polyester vs. 24 Gauge Galvalume®	0.83		
11 41 23 00-0159	SF	Metal Price Add-ons, 0.038" Stucco Embossed Aluminum vs. 24 Gauge Galvalume®	1.17		
11 41 23 00-0160	SF	Metal Price Add-ons, 22 Gauge Stainless Steel vs. 24 Gauge Galvalume®	8.25		
11 41 23 00-0161	SF	Metal Price Add-ons, 20 Gauge Stainless Steel vs. 24 Gauge Galvalume®	10.78		
11 41 23 00-0162	SF	Metal Price Add-ons, 24 Gauge Embossed Tan Polyester vs. 24 Gauge Galvalume®	1.33		
11 41 23 00-0163	SF	Metal Price Add-ons, 0.040" Embossed White Aluminum vs. 24 Gauge Galvalume®	3.27		
11 41 23 00-0164	SF	Metal Price Add-ons, 0.040" Smooth White Aluminum vs. 24 Gauge Galvalume®	4.23		
11 41 23 00-0165	SF	Metal Price Add-ons, 24 Gauge Smooth Kynar® Painted vs. 24 Gauge Galvalume®	4.44		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 41 23 00-0166	SF	Metal Price Deducts, 14 GA Galvanized vs. 10 Gauge Smooth Aluminum Interior Floor.....	-5.95	
11 41 23 00-0167	SF	Metal Price Add-ons, 16 GA Stainless Steel Type 430 vs. 10 Gauge Smooth Aluminum Interior Floor.....	2.49	
11 41 23 00-0168	SF	Metal Price Add-ons, 16 GA Stainless Steel Type 304 vs. 10 Gauge Smooth Aluminum Interior Floor.....	6.45	
11 41 23 00-0169	SF	Metal Price Add-ons, 12 GA Rigid Aluminum vs. 10 Gauge Smooth Aluminum Interior Floor.....	5.66	
11 41 23 00-0170	SF	Metal Price Add-ons, 16 GA Rigid Stainless Steel vs. 10 Gauge Smooth Aluminum Interior Floor.....	18.34	
11 41 23 00-0171		<b>Air Cooled Condensing Units For Walk-In Coolers And Freezers</b> <small>(11 41 23)</small>		
11 41 23 00-0172		<b>Medium Temperature Hermetic System, Indoor</b> <small>(11 41 23 00-0171)</small>		
Note: Consists of air cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.				
11 41 23 00-0173		<b>208/230 Volt, 1 Phase</b> <small>(11 41 23 00-0172)</small>		
Note: Pre-Assembled indoor R404a.				
11 41 23 00-0174	EA	1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,230.72	151.43
11 41 23 00-0175	EA	3/4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,418.85	176.67
11 41 23 00-0176	EA	1 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,938.67	201.91
11 41 23 00-0177	EA	1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,251.94	227.15
11 41 23 00-0178	EA	2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,684.95	252.39
11 41 23 00-0179	EA	3 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,273.19	302.86
11 41 23 00-0180	EA	4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	7,140.52	353.34
11 41 23 00-0181	EA	5 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	7,670.05	403.82
11 41 23 00-0182		<b>208/230 Volt, 3 Phase</b> <small>(11 41 23 00-0172)</small>		
Note: Pre-Assembled indoor R404a.				
11 41 23 00-0183	EA	1 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	3,944.15	201.91
11 41 23 00-0184	EA	1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	4,251.94	227.15
11 41 23 00-0185	EA	2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	4,734.23	252.39
11 41 23 00-0186	EA	3 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	5,214.52	302.86
11 41 23 00-0187	EA	4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	7,140.52	353.34
11 41 23 00-0188	EA	5 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	7,601.99	403.82
11 41 23 00-0189		<b>Medium Temperature Hermetic System, Outdoor</b> <small>(11 41 23 00-0171)</small>		
Note: Consists of air cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.				
11 41 23 00-0190		<b>208/230 Volt, 1 Phase</b> <small>(11 41 23 00-0189)</small>		
Note: Pre-Assembled outdoor R404a.				
11 41 23 00-0191	EA	1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,136.46	151.43
11 41 23 00-0192	EA	3/4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,458.12	176.67
11 41 23 00-0193	EA	1 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,987.08	201.91
11 41 23 00-0194	EA	1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,162.58	227.15
11 41 23 00-0195	EA	2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,472.35	252.39
11 41 23 00-0196	EA	3 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,101.62	302.86
11 41 23 00-0197	EA	4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,794.09	353.34
11 41 23 00-0198	EA	5 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	7,282.09	403.82
11 41 23 00-0199		<b>208/230 Volt, 3 Phase</b> <small>(11 41 23 00-0189)</small>		
Note: Pre-Assembled outdoor R404a.				
11 41 23 00-0200	EA	1 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,961.08	201.91
11 41 23 00-0201	EA	1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,173.12	227.15
11 41 23 00-0202	EA	2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,527.15	252.39
11 41 23 00-0203	EA	3 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,049.62	302.86
11 41 23 00-0204	EA	4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,810.25	353.34
11 41 23 00-0205	EA	5 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	7,217.45	403.82
11 41 23 00-0206		<b>Low Temperature Hermetic System, Indoor</b> <small>(11 41 23 00-0171)</small>		
Note: Consists of air cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.				
11 41 23 00-0207		<b>208/230 Volt, 1 Phase</b> <small>(11 41 23 00-0206)</small>		
Note: Pre-Assembled indoor R404a.				
11 41 23 00-0208	EA	1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	302.87	151.43
11 41 23 00-0209	EA	3/4 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,805.27	176.67
11 41 23 00-0210	EA	1 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,993.43	201.91
11 41 23 00-0211	EA	1-1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,269.15	227.15
11 41 23 00-0212	EA	2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,646.62	252.39
11 41 23 00-0213	EA	3 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,488.30	302.86
11 41 23 00-0214		<b>208/230 Volt, 3 Phase</b> <small>(11 41 23 00-0206)</small>		
Note: Pre-Assembled indoor R404a.				
11 41 23 00-0215	EA	1 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	3,998.90	201.91
11 41 23 00-0216	EA	1-1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	4,269.15	227.15
11 41 23 00-0217	EA	2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	4,697.47	252.39
11 41 23 00-0218	EA	3 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	5,431.98	302.86
11 41 23 00-0219		<b>Low Temperature Hermetic System, Outdoor</b> <small>(11 41 23 00-0171)</small>		
Note: Consists of air cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.				

**11 Equipment**

**11 40 Foodservice Equipment**

**11 41 Foodservice Storage Equipment**



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

11 41 23 00-0220		<b>208/230 Volt, 1 Phase</b> <small>(11 41 23 00-0219)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0221	EA	1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,680.97	151.43
11 41 23 00-0222	EA	3/4 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,747.59	176.67
11 41 23 00-0223	EA	1 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,958.27	201.91
11 41 23 00-0224	EA	1-1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,294.67	227.15
11 41 23 00-0225	EA	2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,688.05	252.39
11 41 23 00-0226	EA	3 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,286.40	302.86
11 41 23 00-0227		<b>208/230 Volt, 3 Phase</b> <small>(11 41 23 00-0219)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0228	EA	1 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	4,085.44	201.91
11 41 23 00-0229	EA	1-1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	4,357.20	227.15
11 41 23 00-0230	EA	2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	4,738.64	252.39
11 41 23 00-0231	EA	3 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	5,235.11	302.86
11 41 23 00-0232		<b>Medium Temperature Semi-Hermetic System, Indoor</b> <small>(11 41 23 00-0171)</small> Note: Consists of air cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0233		<b>208/230 Volt, 1 Phase</b> <small>(11 41 23 00-0232)</small> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0234	EA	1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,175.68	201.91
11 41 23 00-0235	EA	5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	9,537.99	403.82
11 41 23 00-0236		<b>208/230 Volt, 3 Phase</b> <small>(11 41 23 00-0232)</small> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0237	EA	1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	4,178.81	201.91
11 41 23 00-0238	EA	2 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	5,770.67	252.39
11 41 23 00-0239	EA	3 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	7,199.79	302.86
11 41 23 00-0240	EA	5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	9,410.49	403.82
11 41 23 00-0241		<b>Medium Temperature Semi-Hermetic System, Outdoor</b> <small>(11 41 23 00-0171)</small> Note: Consists of air cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0242		<b>208/230 Volt, 1 Phase</b> <small>(11 41 23 00-0241)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0243	EA	1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,145.87	201.91
11 41 23 00-0244	EA	5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	10,178.91	403.82
11 41 23 00-0245		<b>208/230 Volt, 3 Phase</b> <small>(11 41 23 00-0241)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0246	EA	1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	4,152.89	201.91
11 41 23 00-0247	EA	2 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	4,910.07	252.39
11 41 23 00-0248	EA	3 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	7,034.47	302.86
11 41 23 00-0249	EA	5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	9,217.05	403.82
11 41 23 00-0250		<b>Low Temperature Semi-Hermetic System, Indoor</b> <small>(11 41 23 00-0171)</small> Note: Consists of air cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0251		<b>208/230 Volt, 1 Phase</b> <small>(11 41 23 00-0250)</small> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0252	EA	3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,259.74	176.67
11 41 23 00-0253	EA	1 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,555.84	201.91
11 41 23 00-0254	EA	1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,342.35	227.15
11 41 23 00-0255	EA	2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,185.25	252.39
11 41 23 00-0256	EA	3 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	7,813.84	302.86
11 41 23 00-0257		<b>208/230 Volt, 3 Phase</b> <small>(11 41 23 00-0250)</small> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0258	EA	3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	4,237.83	176.67
11 41 23 00-0259	EA	1 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	4,552.71	201.91
11 41 23 00-0260	EA	1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	5,312.63	227.15
11 41 23 00-0261	EA	2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	6,133.63	252.39
11 41 23 00-0262	EA	3 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	7,539.28	302.86



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0263	EA		4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	10,515.02	353.34
11 41 23 00-0264	EA		6 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	11,121.18	454.29
11 41 23 00-0265	EA		7-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	15,983.19	530.01
<b>11 41 23 00-0266</b>			<b>Low Temperature Semi-Hermetic System, Outdoor</b> <small>(11 41 23 00-0171)</small> Note: Consists of air cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
<b>11 41 23 00-0267</b>			<b>208/230 Volt, 1 Phase</b> <small>(11 41 23 00-0266)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0268	EA		3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,243.63	176.67
11 41 23 00-0269	EA		1 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,457.82	201.91
11 41 23 00-0270	EA		1-1/2 Low Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,182.76	227.15
11 41 23 00-0271	EA		2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,949.92	252.39
11 41 23 00-0272	EA		3 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	7,446.19	302.86
<b>11 41 23 00-0273</b>			<b>208/230 Volt, 3 Phase</b> <small>(11 41 23 00-0266)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0274	EA		3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,181.80	176.67
11 41 23 00-0275	EA		1 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,460.63	201.91
11 41 23 00-0276	EA		1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,172.22	227.15
11 41 23 00-0277	EA		2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,897.93	252.39
11 41 23 00-0278	EA		3 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	7,223.47	302.86
11 41 23 00-0279	EA		4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	10,483.44	353.34
11 41 23 00-0280	EA		6 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	11,110.27	454.29
11 41 23 00-0281	EA		7-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	15,574.31	530.01
<b>11 41 23 00-0282</b>			<b>Walk-In Refrigerated Boxes Accessories</b> <small>(11 41 23)</small> See CSI section 08 71 00 00-0000 for additional door accessories.		
<b>11 41 23 00-0283</b>			<b>Accessories</b> <small>(11 41 23 00-0282)</small>		
11 41 23 00-0284	EA		Super Door Package, For 36" Or 42" Door ..... Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.	651.18	
11 41 23 00-0285	EA		Super Door Package, For 48" Door ..... Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.	850.98	
11 41 23 00-0286	EA		Super Door Package, For 60" Door ..... Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.	850.98	
11 41 23 00-0287	EA		14" x 24" Observation Window, Heated.....	928.87	
11 41 23 00-0288	EA		Heated Air Vent, Kason.....	373.87	
11 41 23 00-0289	EA		Heated Air Vent, Bally Polyvinyl Chloride (PVC).....	802.02	
11 41 23 00-0290	EA		Interior Ramps For 36" Or 42" Wide Doors.....	1,116.10	
11 41 23 00-0291	EA		Interior Ramps For 48" Wide Doors.....	1,216.53	
11 41 23 00-0292	EA		Interior Ramps For 60" Wide Doors.....	1,332.81	
11 41 23 00-0293	EA		Exterior Ramps For 36" Or 42" Wide Doors.....	475.47	
11 41 23 00-0294	EA		Exterior Ramps For 48" Wide Doors.....	839.13	
11 41 23 00-0295	EA		Exterior Ramps For 60" Wide Doors.....	839.13	
11 41 23 00-0296	EA		Field Installed Extra Vapor-Proof Lights.....	129.32	
11 41 23 00-0297	EA		Field Installed Fluorescent Lights, 48", 2 Tubes.....	506.72	
11 41 23 00-0298	EA		Alarm With Digital Thermostat Modularm 75 With Adjustable Setting (Flush Mounted).....	1,088.15	
11 41 23 00-0299	EA		Alarm With Digital Thermostat Modularm 75B (Battery Backup) (Flush Mounted).....	1,142.06	
11 41 23 00-0300	EA		Alarm With Digital Thermostat National TM100 With Adjustable Setting (Flush Mounted).....	559.58	
11 41 23 00-0301	EA		Locking Devices, 36" Or 42" Wide Locking Bar.....	328.06	
11 41 23 00-0302	EA		Locking Devices, 48" Wide Locking Bar.....	370.35	
11 41 23 00-0303	EA		Locking Devices, 60" Wide Locking Bar.....	370.35	
11 41 23 00-0304	EA		Locking Devices, Mortise Dead Bolt (Cooler).....	636.75	
11 41 23 00-0305	EA		Locking Devices, Mortise Dead Bolt (Freezer).....	776.29	
11 41 23 00-0306	EA		Blast Freezer Kit, For 36" Or 42" Wide Doors.....	1,247.18	
11 41 23 00-0307	EA		Blast Freezer Kit, For 48" Wide Doors.....	1,314.84	
11 41 23 00-0308	EA		Blast Freezer Kit, For 60" Wide Doors.....	1,350.78	
11 41 23 00-0309	EA		Hardware Options, Polished For 36" Or 42" Door.....	58.14	
11 41 23 00-0310	EA		Hardware Options, Polished For 48" Or 60" Door.....	47.57	
11 41 23 00-0311	EA		Hardware Options, Chrome For 36" Or 42" Door.....	146.94	
11 41 23 00-0312	EA		Hardware Options, Chrome For 48" Or 60" Door.....	79.29	
11 41 23 00-0313	EA		Hardware Options, Positive Latch, 36" Or 42" Door.....	197.09	
11 41 23 00-0314	EA		Hardware Options, Strap Hinges, 36" Or 42" Door.....	146.35	
11 41 23 00-0315	EA		4" Scribed Door.....	418.27	
11 41 23 00-0316	EA		Doors Cut For Tile.....	494.39	
11 41 23 00-0317	EA		84" High Doors (36" Wide).....	494.39	
11 41 23 00-0318	EA		Doors Raised Or Lowered In Panel.....	1,053.62	
11 41 23 00-0319	EA		57-1/2" Door Section.....	336.87	
11 41 23 00-0320	EA		3 Way, Interior And Exterior, Light Switches.....	269.92	
11 41 23 00-0321	EA		3 Way (1 Side Only) Light Switch.....	137.76	
11 41 23 00-0322	EA		Structural Support, 5" Reinforcing Ceilings (Every 23").....	240.90	
11 41 23 00-0323	EA		Structural Support, 6" Reinforcing Ceilings (Every 23").....	300.10	
11 41 23 00-0324	LF		Structural Support, Self-Supporting Standard Angle.....	32.69	
11 41 23 00-0325	LF		Structural Support, Self-Supporting 6" Channel.....	41.42	
11 41 23 00-0326	LF		Structural Support, Self-Supporting 8" Channel.....	58.59	
11 41 23 00-0327	LF		Structural Support, Self-Supporting 10" Channel.....	91.63	

**11 Equipment**  
**11 40 Foodservice Equipment**
**11 41 Foodservice Storage Equipment**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

11 41 23 00-0328	LF	Structural Support, Suspended Ceiling Support .....	18.17
11 41 23 00-0329	LF	Factory Prepared Opening, Foam Cut Opening .....	6.25
11 41 23 00-0330	LF	Factory Prepared Opening, Metal Capped Opening .....	18.50
11 41 23 00-0331	LF	Factory Prepared Opening, Wood Framed Opening .....	39.26
11 41 23 00-0332	LF	Factory Prepared Opening, Metal Capped Wood Framed Opening .....	28.54
11 41 23 00-0333	LF	Factory Prepared Opening, Opening For Glass Doors (Doors Provided By Others, No Charge For Opening When Glass Door Purchased Through Manufacturer) .....	96.89
11 41 23 00-0334	SF	Outdoor Weather Roofs, Aluminum Roof Caps .....	23.96
11 41 23 00-0335	SF	Outdoor Weather Roofs, Membrane Roof Caps .....	5.81
11 41 23 00-0336	SF	Outdoor Weather Roofs, Painted Aluminum Roofs .....	29.76
11 41 23 00-0337	SF	1/8" Aluminum Tread Plate .....	61.62
11 41 23 00-0338	SF	3/16" Aluminum Tread Plate .....	74.23
11 41 23 00-0339	EA	Digitemp Display Thermometer (Indoor Exterior Wall) .....	252.99
11 41 23 00-0340	EA	4-1/2" Dial Type Thermometer With 5' Cap Tube .....	228.67
11 41 23 00-0341	EA	6" Dial Type Thermometer With 5' Cap Tube .....	705.45
11 41 23 00-0342	EA	2" Dial Type Thermometer (Standard) .....	89.13
11 41 23 00-0343	LF	Extra Capillary Tubing .....	9.72

**11 41 23 00-0344 Partition Wall For Walk-In Refrigerated Boxes** (11 41 23 00-0282)

Note: Includes 36" x 78" door. Sizes listed as 7'-2"/7'-6" are for either 7'-2" or 7'-6" high refrigerated boxes. Sizes listed as 8'-2"/8'-6" are for either 8'-2" or 8'-6" high refrigerated boxes.

11 41 23 00-0345	EA	5'-10" Length Partition Wall, 7'-2"/7'-6" High .....	2,517.87
		Note: Galvalume both sides.	
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	120.30
11 41 23 00-0346	EA	6'-9-1/2" Length Partition Wall, 7'-2"/7'-6" High .....	2,741.23
		Note: Galvalume both sides.	
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	131.19
11 41 23 00-0347	EA	7'-9" Length Partition Wall, 7'-2"/7'-6" High .....	2,820.82
		Note: Galvalume both sides.	
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	134.89
11 41 23 00-0348	EA	8'-8-1/2" Length Partition Wall, 7'-2"/7'-6" High .....	3,048.42
		Note: Galvalume both sides.	
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	145.99
11 41 23 00-0349	EA	9'-8" Length Partition Wall, 7'-2"/7'-6" High .....	2,988.47
		Note: Galvalume both sides.	
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	142.71
11 41 23 00-0350	EA	10'-7-1/2" Length Partition Wall, 7'-2"/7'-6" High .....	3,210.77
		Note: Galvalume both sides.	
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	153.55
11 41 23 00-0351	EA	11'-7" Length Partition Wall, 7'-2"/7'-6" High .....	3,279.78
		Note: Galvalume both sides.	
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	156.72
11 41 23 00-0352	EA	12'-6-1/2" Length Partition Wall, 7'-2"/7'-6" High .....	3,595.12
		Note: Galvalume both sides.	
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	172.21
11 41 23 00-0353	EA	13'-6" Length Partition Wall, 7'-2"/7'-6" High .....	3,459.06
		Note: Galvalume both sides.	
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	165.13
11 41 23 00-0354	EA	14'-5-1/2" Length Partition Wall, 7'-2"/7'-6" High .....	3,682.43
		Note: Galvalume both sides.	
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	176.01
11 41 23 00-0355	EA	15'-5" Length Partition Wall, 7'-2"/7'-6" High .....	3,767.31
		Note: Galvalume both sides.	
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	179.98
11 41 23 00-0356	EA	16'-4-1/2" Length Partition Wall, 7'-2"/7'-6" High .....	3,991.72
		Note: Galvalume both sides.	
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	190.92
11 41 23 00-0357	EA	17'-4" Length Partition Wall, 7'-2"/7'-6" High .....	4,591.54
		Note: Galvalume both sides.	
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	220.63
11 41 23 00-0358	EA	5'-10" Length Partition Wall, 8'-2"/8'-6" High .....	2,744.10
		Note: Galvalume both sides.	
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	131.61
11 41 23 00-0359	EA	6'-9-1/2" Length Partition Wall, 8'-2"/8'-6" High .....	2,933.63
		Note: Galvalume both sides.	
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	140.81
11 41 23 00-0360	EA	7'-9" Length Partition Wall, 8'-2"/8'-6" High .....	3,026.97
		Note: Galvalume both sides.	
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	145.20
11 41 23 00-0361	EA	8'-8-1/2" Length Partition Wall, 8'-2"/8'-6" High .....	3,278.88
		Note: Galvalume both sides.	
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	157.51
11 41 23 00-0362	EA	9'-8" Length Partition Wall, 8'-2"/8'-6" High .....	3,206.24
		Note: Galvalume both sides.	
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	153.60
11 41 23 00-0363	EA	10'-7-1/2" Length Partition Wall, 8'-2"/8'-6" High .....	3,457.08
		Note: Galvalume both sides.	
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	165.87
11 41 23 00-0364	EA	11'-7" Length Partition Wall, 8'-2"/8'-6" High .....	3,551.47
		Note: Galvalume both sides.	
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	170.31
11 41 23 00-0365	EA	12'-6-1/2" Length Partition Wall, 8'-2"/8'-6" High .....	3,802.32
		Note: Galvalume both sides.	
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	182.57
11 41 23 00-0366	EA	13'-6" Length Partition Wall, 8'-2"/8'-6" High .....	3,729.69
		Note: Galvalume both sides.	
		<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	178.66

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 41 23 00-0367	EA	14'-5-1/2" Length Partition Wall, 8'-2"/8'-6" High..... Note: Galvalume both sides. <i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	3,980.55 190.92	
11 41 23 00-0368	EA	15'-5" Length Partition Wall, 8'-2"/8'-6" High..... Note: Galvalume both sides. <i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	4,074.94 195.36	
11 41 23 00-0369	EA	16'-4-1/2" Length Partition Wall, 8'-2"/8'-6" High..... Note: Galvalume both sides. <i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	4,325.78 207.62	
11 41 23 00-0370	EA	17'-4" Length Partition Wall, 8'-2"/8'-6" High..... Note: Galvalume both sides. <i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	4,253.13 203.71	

**11 41 23 00-0371 Glass Doors For Walk-In Refrigerated Boxes** (11 41 23 00-0282)  
Note: Factory installed, includes lights and 5 tier shelves.

11 41 23 00-0372	EA	23" x 67" Glass Door, Displayrite, Coolrite Model.....	1,049.74	
11 41 23 00-0373	EA	23" x 73" Glass Door, Displayrite, Coolrite Model.....	1,147.00	
11 41 23 00-0374	EA	30" x 67" Glass Door, Displayrite, Coolrite Model.....	1,156.52	
11 41 23 00-0375	EA	30" x 73" Glass Door, Displayrite, Coolrite Model.....	1,279.15	
11 41 23 00-0376	EA	23" x 67" Glass Door, Displayrite, Freezerite Model.....	1,403.89	
11 41 23 00-0377	EA	23" x 73" Glass Door, Displayrite, Freezerite Model.....	1,492.69	
11 41 23 00-0378	EA	30" x 67" Glass Door, Displayrite, Freezerite Model.....	1,497.97	
11 41 23 00-0379	EA	30" x 73" Glass Door, Displayrite, Freezerite Model.....	1,743.23	
11 41 23 00-0380	EA	24" x 67" Glass Door, Anthony Model 101.....	1,427.15	
11 41 23 00-0381	EA	26" x 67" Glass Door, Anthony Model 101.....	1,767.55	
11 41 23 00-0382	EA	30" x 67" Glass Door, Anthony Model 101.....	1,887.00	
11 41 23 00-0383	EA	30x75 Glass Door, Anthony Model 101.....	1,927.18	
11 41 23 00-0384	EA	24" x 67" Glass Door, Anthony Model 101.....	2,173.49	
11 41 23 00-0385	EA	26" x 67" Glass Door, Anthony Model 101.....	2,412.40	
11 41 23 00-0386	EA	30" x 67" Glass Door, Anthony Model 101.....	2,456.80	
11 41 23 00-0387	EA	30" x 75" Glass Door, Anthony Model 101.....	2,620.66	
11 41 23 00-0388	EA	23" x 67" Glass Door, Anthony Model 401.....	1,126.92	
11 41 23 00-0389	EA	26-3/4" x 67" Glass Door, Anthony Model 401.....	1,187.17	
11 41 23 00-0390	EA	30-1/4" x 67" Glass Door, Anthony Model 401.....	1,596.29	
11 41 23 00-0391	EA	30-1/4" x 75" Glass Door, Anthony Model 401.....	1,369.00	
11 41 23 00-0392	EA	23" x 67" Glass Door, Anthony Model 401.....	1,520.17	
11 41 23 00-0393	EA	26-3/4" x 67" Glass Door, Anthony Model 401.....	1,591.00	
11 41 23 00-0394	EA	30-1/4" x 67" Glass Door, Anthony Model 401.....	1,596.29	
11 41 23 00-0395	EA	30-1/4" x 75" Glass Door, Anthony Model 401.....	1,900.75	

**11 41 23 00-0396 Modular Wire Shelving For Walk-In Refrigerated Boxes** (11 41 23 00-0282)

11 41 23 00-0397	EA	14" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	409.46 402.00	
11 41 23 00-0398	EA	14" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	431.97 402.00	
11 41 23 00-0399	EA	14" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	479.84 402.00	
11 41 23 00-0400	EA	14" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	506.58 402.00	
11 41 23 00-0401	EA	14" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	551.58 402.00	
11 41 23 00-0402	EA	18" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	470.02 402.00	
11 41 23 00-0403	EA	18" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	483.01 402.00	
11 41 23 00-0404	EA	18" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	531.96 402.00	
11 41 23 00-0405	EA	18" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	556.57 402.00	
11 41 23 00-0406	EA	18" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	634.34 402.00	
11 41 23 00-0407	EA	21" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	511.56 402.00	
11 41 23 00-0408	EA	21" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	519.27 402.00	
11 41 23 00-0409	EA	21" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	589.35 402.00	
11 41 23 00-0410	EA	21" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	594.93 402.00	
11 41 23 00-0411	EA	21" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	683.28 402.00	
11 41 23 00-0412	EA	14" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	354.49 402.00	
11 41 23 00-0413	EA	14" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	372.76 402.00	
11 41 23 00-0414	EA	14" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	407.95 402.00	
11 41 23 00-0415	EA	14" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	417.78 402.00	
11 41 23 00-0416	EA	14" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	475.47 402.00	
11 41 23 00-0417	EA	18" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	389.68 402.00	
11 41 23 00-0418	EA	18" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	417.47 402.00	

11 Equipment

11 40 Foodservice Equipment

11 41 Foodservice Storage Equipment

MINOR					TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION			UNIT COST	UNIT COST
11 41 23 00-0419	EA	18" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts		442.10		
		<i>For Cantilever Shelving, Add</i>		402.00		
11 41 23 00-0420	EA	18" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts		449.80		
		<i>For Cantilever Shelving, Add</i>		402.00		
11 41 23 00-0421	EA	18" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts		527.57		
		<i>For Cantilever Shelving, Add</i>		402.00		
11 41 23 00-0422	EA	21" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts		426.98		
		<i>For Cantilever Shelving, Add</i>		402.00		
11 41 23 00-0423	EA	21" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts		444.21		
		<i>For Cantilever Shelving, Add</i>		402.00		
11 41 23 00-0424	EA	21" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts		476.23		
		<i>For Cantilever Shelving, Add</i>		402.00		
11 41 23 00-0425	EA	21" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts		494.50		
		<i>For Cantilever Shelving, Add</i>		402.00		
11 41 23 00-0426	EA	21" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts		574.39		
		<i>For Cantilever Shelving, Add</i>		402.00		
11 41 23 00-0427	EA	14" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts		1,807.43		
		<i>For Cantilever Shelving, Add</i>		402.00		
11 41 23 00-0428	EA	14" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts		2,016.20		
		<i>For Cantilever Shelving, Add</i>		402.00		
11 41 23 00-0429	EA	14" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts		2,056.83		
		<i>For Cantilever Shelving, Add</i>		402.00		
11 41 23 00-0430	EA	14" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts		2,097.46		
		<i>For Cantilever Shelving, Add</i>		402.00		
11 41 23 00-0431	EA	14" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts		2,536.02		
		<i>For Cantilever Shelving, Add</i>		402.00		
11 41 23 00-0432	EA	18" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts		1,897.10		
		<i>For Cantilever Shelving, Add</i>		402.00		
11 41 23 00-0433	EA	18" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts		2,014.79		
		<i>For Cantilever Shelving, Add</i>		402.00		
11 41 23 00-0434	EA	18" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts		2,230.58		
		<i>For Cantilever Shelving, Add</i>		402.00		
11 41 23 00-0435	EA	18" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts		2,320.25		
		<i>For Cantilever Shelving, Add</i>		402.00		
11 41 23 00-0436	EA	18" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts		2,835.88		
		<i>For Cantilever Shelving, Add</i>		402.00		
11 41 23 00-0437	EA	21" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts		2,049.82		
		<i>For Cantilever Shelving, Add</i>		402.00		
11 41 23 00-0438	EA	21" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts		2,237.59		
		<i>For Cantilever Shelving, Add</i>		402.00		
11 41 23 00-0439	EA	21" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts		2,453.37		
		<i>For Cantilever Shelving, Add</i>		402.00		
11 41 23 00-0440	EA	21" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts		2,543.02		
		<i>For Cantilever Shelving, Add</i>		402.00		
11 41 23 00-0441	EA	21" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts		3,226.82		
		<i>For Cantilever Shelving, Add</i>		402.00		
11 41 23 00-0442	EA	14" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts		483.33		
		<i>For Cantilever Shelving, Add</i>		472.00		
11 41 23 00-0443	EA	14" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts		520.63		
		<i>For Cantilever Shelving, Add</i>		472.00		
11 41 23 00-0444	EA	14" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts		563.21		
		<i>For Cantilever Shelving, Add</i>		472.00		
11 41 23 00-0445	EA	14" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts		602.63		
		<i>For Cantilever Shelving, Add</i>		472.00		
11 41 23 00-0446	EA	14" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts		653.99		
		<i>For Cantilever Shelving, Add</i>		472.00		
11 41 23 00-0447	EA	18" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts		568.20		
		<i>For Cantilever Shelving, Add</i>		472.00		
11 41 23 00-0448	EA	18" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts		583.30		
		<i>For Cantilever Shelving, Add</i>		472.00		
11 41 23 00-0449	EA	18" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts		641.74		
		<i>For Cantilever Shelving, Add</i>		472.00		
11 41 23 00-0450	EA	18" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts		672.71		
		<i>For Cantilever Shelving, Add</i>		472.00		
11 41 23 00-0451	EA	18" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts		766.35		
		<i>For Cantilever Shelving, Add</i>		472.00		
11 41 23 00-0452	EA	21" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts		618.18		
		<i>For Cantilever Shelving, Add</i>		472.00		
11 41 23 00-0453	EA	21" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts		638.57		
		<i>For Cantilever Shelving, Add</i>		472.00		
11 41 23 00-0454	EA	21" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts		704.42		
		<i>For Cantilever Shelving, Add</i>		472.00		
11 41 23 00-0455	EA	21" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts		720.59		
		<i>For Cantilever Shelving, Add</i>		472.00		
11 41 23 00-0456	EA	21" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts		824.79		
		<i>For Cantilever Shelving, Add</i>		472.00		
11 41 23 00-0457	EA	14" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts		416.73		
		<i>For Cantilever Shelving, Add</i>		472.00		
11 41 23 00-0458	EA	14" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts		438.17		
		<i>For Cantilever Shelving, Add</i>		472.00		
11 41 23 00-0459	EA	14" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts		480.75		
		<i>For Cantilever Shelving, Add</i>		472.00		
11 41 23 00-0460	EA	14" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts		491.63		
		<i>For Cantilever Shelving, Add</i>		472.00		
11 41 23 00-0461	EA	14" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts		560.96		
		<i>For Cantilever Shelving, Add</i>		472.00		
11 41 23 00-0462	EA	18" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts		468.83		
		<i>For Cantilever Shelving, Add</i>		472.00		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 41 23 00-0463	EA		18" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	500.84 472.00	
11 41 23 00-0464	EA		18" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	567.74 472.00	
11 41 23 00-0465	EA		18" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	564.88 472.00	
11 41 23 00-0466	EA		18" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	631.04 472.00	
11 41 23 00-0467	EA		21" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	513.53 472.00	
11 41 23 00-0468	EA		21" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	533.92 472.00	
11 41 23 00-0469	EA		21" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	573.33 472.00	
11 41 23 00-0470	EA		21" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	593.73 472.00	
11 41 23 00-0471	EA		21" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	691.59 472.00	
11 41 23 00-0472	EA		14" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,206.06 472.00	
11 41 23 00-0473	EA		14" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,465.63 472.00	
11 41 23 00-0474	EA		14" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,515.00 472.00	
11 41 23 00-0475	EA		14" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,564.38 472.00	
11 41 23 00-0476	EA		14" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	3,109.80 472.00	
11 41 23 00-0477	EA		18" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,316.74 472.00	
11 41 23 00-0478	EA		18" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,462.45 472.00	
11 41 23 00-0479	EA		18" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,730.78 472.00	
11 41 23 00-0480	EA		18" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,841.47 472.00	
11 41 23 00-0481	EA		18" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	3,483.23 472.00	
11 41 23 00-0482	EA		21" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,506.24 472.00	
11 41 23 00-0483	EA		21" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,739.54 472.00	
11 41 23 00-0484	EA		21" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	3,007.87 472.00	
11 41 23 00-0485	EA		21" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	3,118.56 472.00	
11 41 23 00-0486	EA		21" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	3,970.50 472.00	

**11 41 31 Non-Refrigerated Storage Equipment (11 41)**
**11 41 31 00-0001 Wall Cabinets (11 41 31)**

11 41 31 00-0002	EA		48" Wall Cabinet With Sliding Doors Note: 15" deep and 24" high.	2,179.66	86.68
11 41 31 00-0003	EA		72" Wall Cabinet With Sliding Doors Note: 15" deep and 24" high.	2,876.02	114.43
11 41 31 00-0004	EA		72" Wall Cabinet With Hinged Doors Note: 15" deep and 24" high.	3,301.05	131.19
11 41 31 00-0005	EA		72" Wall Cabinet With Open Shelves Note: 15" deep and 24" high.	2,112.62	83.69

**11 41 31 00-0006 Mobile Sheet Pan Truck (11 41 31)**

11 41 31 00-0007	EA		2 Level Mobile Sheet Pan Truck	202.56	6.87
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**11 41 31 00-0008 Pot And Utensil Rack (11 41 31)**

11 41 31 00-0009	EA		70" Bench Type Pot And Utensil Rack	591.01	20.93
11 41 31 00-0010	EA		94" Bench Type Pot And Utensil Rack	684.92	23.66
11 41 31 00-0011	EA		94" Ceiling Type Pot And Utensil Rack	814.28	28.34
11 41 31 00-0012	EA		96" Wall Type Pot And Utensil Rack	442.84	15.48

**11 41 31 00-0013 Tray And Silverware Cart (11 41 31)**

11 41 31 00-0014	EA		33" x 22-1/2" x 42" Tray And Silverware Cart	2,044.04	70.64
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**11 41 31 00-0015 Flat Top Utility Units (11 41 31)**

11 41 31 00-0016	EA		39" x 28-1/2" x 35-3/8" Flat Top Utility Units	1,393.64	48.29
11 41 31 00-0017	EA		79-1/2" x 28-1/2" x 35-3/8" Flat Top Utility Units	1,867.56	64.54

**11 41 33 Foodservice Shelving (11 41)**
**11 41 33 00-0001 Shelving/Racks (11 41 33)**



MINOR	UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 41 33 00-0084	EA	36" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit .....	721.73	35.13
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**11 41 33 00-0085 66" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit** *(11 41 33 00-0002)*

11 41 33 00-0086	EA	14" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit .....	274.19	31.96
11 41 33 00-0087	EA	14" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit .....	288.53	32.23
11 41 33 00-0088	EA	14" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit .....	306.27	32.49
11 41 33 00-0089	EA	14" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit .....	317.29	32.76
11 41 33 00-0090	EA	14" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit .....	338.37	33.03
11 41 33 00-0091	EA	14" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit .....	356.18	33.29
11 41 33 00-0092	EA	14" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit .....	370.53	33.55
11 41 33 00-0093	EA	14" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit .....	402.62	34.08
11 41 33 00-0094	EA	18" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit .....	298.68	32.23
11 41 33 00-0095	EA	18" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit .....	309.68	32.49
11 41 33 00-0096	EA	18" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit .....	320.70	32.76
11 41 33 00-0097	EA	18" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit .....	352.00	33.03
11 41 33 00-0098	EA	18" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit .....	373.15	33.29
11 41 33 00-0099	EA	18" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit .....	401.03	33.55
11 41 33 00-0100	EA	18" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit .....	411.98	33.82
11 41 33 00-0101	EA	18" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit .....	450.96	34.34
11 41 33 00-0102	EA	21" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit .....	313.08	32.49
11 41 33 00-0103	EA	21" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit .....	337.58	32.76
11 41 33 00-0104	EA	21" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit .....	355.39	33.03
11 41 33 00-0105	EA	21" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit .....	376.47	33.29
11 41 33 00-0106	EA	21" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit .....	390.89	33.55
11 41 33 00-0107	EA	21" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit .....	425.60	33.82
11 41 33 00-0108	EA	21" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit .....	443.36	34.08
11 41 33 00-0109	EA	21" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit .....	489.07	34.61
11 41 33 00-0110	EA	24" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit .....	344.47	32.76
11 41 33 00-0111	EA	24" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit .....	358.80	33.03
11 41 33 00-0112	EA	24" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit .....	369.74	33.29
11 41 33 00-0113	EA	24" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit .....	397.71	33.55
11 41 33 00-0114	EA	24" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit .....	415.46	33.82
11 41 33 00-0115	EA	24" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit .....	450.17	34.08
11 41 33 00-0116	EA	24" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit .....	474.64	34.34
11 41 33 00-0117	EA	24" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit .....	533.99	34.87
11 41 33 00-0118	EA	30" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit .....	453.80	33.03
11 41 33 00-0119	EA	30" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit .....	508.80	33.29
11 41 33 00-0120	EA	30" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit .....	543.58	33.55
11 41 33 00-0121	EA	30" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit .....	622.41	33.82
11 41 33 00-0122	EA	36" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit .....	501.03	34.08
11 41 33 00-0123	EA	36" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit .....	552.76	34.34
11 41 33 00-0124	EA	36" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit .....	617.96	34.61
11 41 33 00-0125	EA	36" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit .....	723.47	35.13

**11 41 33 00-0126 74" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit** *(11 41 33 00-0002)*

11 41 33 00-0127	EA	14" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	279.25	31.96
11 41 33 00-0128	EA	14" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	293.60	32.23
11 41 33 00-0129	EA	14" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	311.35	32.49
11 41 33 00-0130	EA	14" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	322.37	32.76
11 41 33 00-0131	EA	14" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	343.45	33.03
11 41 33 00-0132	EA	14" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	361.26	33.29
11 41 33 00-0133	EA	14" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	375.61	33.55
11 41 33 00-0134	EA	14" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	407.70	34.08
11 41 33 00-0135	EA	18" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	303.74	32.23
11 41 33 00-0136	EA	18" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	314.75	32.49
11 41 33 00-0137	EA	18" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	325.78	32.76
11 41 33 00-0138	EA	18" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	357.06	33.03
11 41 33 00-0139	EA	18" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	378.21	33.29
11 41 33 00-0140	EA	18" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	406.11	33.55
11 41 33 00-0141	EA	18" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	417.06	33.82
11 41 33 00-0142	EA	18" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	456.02	34.34
11 41 33 00-0143	EA	21" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	318.16	32.49
11 41 33 00-0144	EA	21" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	342.66	32.76
11 41 33 00-0145	EA	21" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	360.47	33.03
11 41 33 00-0146	EA	21" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	381.55	33.29
11 41 33 00-0147	EA	21" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	395.97	33.55
11 41 33 00-0148	EA	21" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	430.67	33.82
11 41 33 00-0149	EA	21" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	448.42	34.08
11 41 33 00-0150	EA	21" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	494.15	34.61
11 41 33 00-0151	EA	24" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	349.54	32.76
11 41 33 00-0152	EA	24" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	363.88	33.03
11 41 33 00-0153	EA	24" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	374.82	33.29
11 41 33 00-0154	EA	24" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	402.77	33.55
11 41 33 00-0155	EA	24" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	420.54	33.82
11 41 33 00-0156	EA	24" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	455.23	34.08
11 41 33 00-0157	EA	24" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	479.72	34.34
11 41 33 00-0158	EA	24" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	539.07	34.87
11 41 33 00-0159	EA	30" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	458.88	33.03
11 41 33 00-0160	EA	30" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	513.88	33.29
11 41 33 00-0161	EA	30" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	548.64	33.55
11 41 33 00-0162	EA	30" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	627.49	33.82
11 41 33 00-0163	EA	36" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	506.10	34.08
11 41 33 00-0164	EA	36" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	557.84	34.34





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0246 EA 36" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	689.30	34.34
11 41 33 00-0247 EA 36" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	770.63	34.61
11 41 33 00-0248 EA 36" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	902.09	35.13
<b>11 41 33 00-0249 Galvanized Shelving Units <small>(11 41 33 00-0001)</small></b>		
<b>11 41 33 00-0250 54" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit <small>(11 41 33 00-0249)</small></b>		
11 41 33 00-0251 EA 14" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	323.91	31.96
11 41 33 00-0252 EA 14" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	340.66	32.23
11 41 33 00-0253 EA 14" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	361.48	32.49
11 41 33 00-0254 EA 14" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	378.24	32.76
11 41 33 00-0255 EA 14" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	403.06	33.03
11 41 33 00-0256 EA 14" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	423.79	33.29
11 41 33 00-0257 EA 14" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	444.61	33.55
11 41 33 00-0258 EA 14" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	478.12	34.08
11 41 33 00-0259 EA 18" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	352.64	32.23
11 41 33 00-0260 EA 18" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	365.48	32.49
11 41 33 00-0261 EA 18" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	390.22	32.76
11 41 33 00-0262 EA 18" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	419.02	33.03
11 41 33 00-0263 EA 18" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	443.82	33.29
11 41 33 00-0264 EA 18" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	476.53	33.55
11 41 33 00-0265 EA 18" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	501.36	33.82
11 41 33 00-0266 EA 18" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	538.99	34.34
11 41 33 00-0267 EA 21" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	369.46	32.49
11 41 33 00-0268 EA 21" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	402.27	32.76
11 41 33 00-0269 EA 21" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	423.00	33.03
11 41 33 00-0270 EA 21" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	447.82	33.29
11 41 33 00-0271 EA 21" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	464.57	33.55
11 41 33 00-0272 EA 21" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	509.34	33.82
11 41 33 00-0273 EA 21" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	530.17	34.08
11 41 33 00-0274 EA 21" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	591.69	34.61
11 41 33 00-0275 EA 24" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	410.25	32.76
11 41 33 00-0276 EA 24" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	427.00	33.03
11 41 33 00-0277 EA 24" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	439.84	33.29
11 41 33 00-0278 EA 24" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	472.55	33.55
11 41 33 00-0279 EA 24" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	509.34	33.82
11 41 33 00-0280 EA 24" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	550.10	34.08
11 41 33 00-0281 EA 24" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	582.91	34.34
11 41 33 00-0282 EA 24" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	656.48	34.87
<b>11 41 33 00-0283 63" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit <small>(11 41 33 00-0249)</small></b>		
11 41 33 00-0284 EA 14" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	331.89	31.96
11 41 33 00-0285 EA 14" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	348.64	32.23
11 41 33 00-0286 EA 14" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	369.46	32.49
11 41 33 00-0287 EA 14" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	386.22	32.76
11 41 33 00-0288 EA 14" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	411.04	33.03
11 41 33 00-0289 EA 14" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	431.77	33.29
11 41 33 00-0290 EA 14" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	452.59	33.55
11 41 33 00-0291 EA 14" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	486.10	34.08
11 41 33 00-0292 EA 18" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	360.62	32.23
11 41 33 00-0293 EA 18" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	373.46	32.49
11 41 33 00-0294 EA 18" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	398.20	32.76
11 41 33 00-0295 EA 18" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	427.00	33.03
11 41 33 00-0296 EA 18" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	451.80	33.29
11 41 33 00-0297 EA 18" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	484.51	33.55
11 41 33 00-0298 EA 18" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	509.34	33.82
11 41 33 00-0299 EA 18" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	546.91	34.34
11 41 33 00-0300 EA 21" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	377.44	32.49
11 41 33 00-0301 EA 21" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	410.25	32.76
11 41 33 00-0302 EA 21" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	430.98	33.03
11 41 33 00-0303 EA 21" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	455.80	33.29
11 41 33 00-0304 EA 21" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	472.55	33.55
11 41 33 00-0305 EA 21" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	517.32	33.82
11 41 33 00-0306 EA 21" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	538.15	34.08
11 41 33 00-0307 EA 21" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	599.66	34.61
11 41 33 00-0308 EA 24" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	418.23	32.76
11 41 33 00-0309 EA 24" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	434.98	33.03
11 41 33 00-0310 EA 24" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	447.82	33.29
11 41 33 00-0311 EA 24" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	480.53	33.55
11 41 33 00-0312 EA 24" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	517.32	33.82
11 41 33 00-0313 EA 24" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	558.08	34.08
11 41 33 00-0314 EA 24" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	590.89	34.34
11 41 33 00-0315 EA 24" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	664.46	34.87
<b>11 41 33 00-0316 74" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit <small>(11 41 33 00-0249)</small></b>		
11 41 33 00-0317 EA 14" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	339.87	31.96
11 41 33 00-0318 EA 14" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	356.62	32.23
11 41 33 00-0319 EA 14" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	377.44	32.49
11 41 33 00-0320 EA 14" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	394.20	32.76
11 41 33 00-0321 EA 14" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	419.02	33.03
11 41 33 00-0322 EA 14" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	439.75	33.29
11 41 33 00-0323 EA 14" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	460.57	33.55

**11 Equipment**  
**11 40 Foodservice Equipment**  
**11 41 Foodservice Storage Equipment**



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST

11 41 33 00-0324	EA	14" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	494.08	34.08
11 41 33 00-0325	EA	18" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	368.59	32.23
11 41 33 00-0326	EA	18" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	381.44	32.49
11 41 33 00-0327	EA	18" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	406.18	32.76
11 41 33 00-0328	EA	18" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	434.98	33.03
11 41 33 00-0329	EA	18" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	459.78	33.29
11 41 33 00-0330	EA	18" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	492.49	33.55
11 41 33 00-0331	EA	18" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	517.32	33.82
11 41 33 00-0332	EA	18" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	554.89	34.34
11 41 33 00-0333	EA	21" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	385.42	32.49
11 41 33 00-0334	EA	21" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	418.23	32.76
11 41 33 00-0335	EA	21" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	438.96	33.03
11 41 33 00-0336	EA	21" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	463.78	33.29
11 41 33 00-0337	EA	21" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	480.53	33.55
11 41 33 00-0338	EA	21" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	525.30	33.82
11 41 33 00-0339	EA	21" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	546.12	34.08
11 41 33 00-0340	EA	21" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	607.64	34.61
11 41 33 00-0341	EA	24" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	426.21	32.76
11 41 33 00-0342	EA	24" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	442.96	33.03
11 41 33 00-0343	EA	24" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	455.80	33.29
11 41 33 00-0344	EA	24" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	488.51	33.55
11 41 33 00-0345	EA	24" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	525.30	33.82
11 41 33 00-0346	EA	24" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	566.06	34.08
11 41 33 00-0347	EA	24" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	598.86	34.34
11 41 33 00-0348	EA	24" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	672.44	34.87

**11 41 33 00-0349      86" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit (11 41 33 00-0249)**

11 41 33 00-0350	EA	14" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	359.90	31.96
11 41 33 00-0351	EA	14" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	376.65	32.23
11 41 33 00-0352	EA	14" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	397.47	32.49
11 41 33 00-0353	EA	14" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	414.23	32.76
11 41 33 00-0354	EA	14" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	439.05	33.03
11 41 33 00-0355	EA	14" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	459.78	33.29
11 41 33 00-0356	EA	14" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	480.61	33.55
11 41 33 00-0357	EA	14" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	514.11	34.08
11 41 33 00-0358	EA	18" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	388.63	32.23
11 41 33 00-0359	EA	18" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	401.47	32.49
11 41 33 00-0360	EA	18" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	426.21	32.76
11 41 33 00-0361	EA	18" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	455.01	33.03
11 41 33 00-0362	EA	18" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	479.82	33.29
11 41 33 00-0363	EA	18" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	512.52	33.55
11 41 33 00-0364	EA	18" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	537.36	33.82
11 41 33 00-0365	EA	18" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	574.93	34.34
11 41 33 00-0366	EA	21" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	405.45	32.49
11 41 33 00-0367	EA	21" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	438.26	32.76
11 41 33 00-0368	EA	21" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	458.99	33.03
11 41 33 00-0369	EA	21" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	483.82	33.29
11 41 33 00-0370	EA	21" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	500.56	33.55
11 41 33 00-0371	EA	21" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	545.33	33.82
11 41 33 00-0372	EA	21" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	566.16	34.08
11 41 33 00-0373	EA	21" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	627.68	34.61
11 41 33 00-0374	EA	24" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	446.24	32.76
11 41 33 00-0375	EA	24" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	462.99	33.03
11 41 33 00-0376	EA	24" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	475.84	33.29
11 41 33 00-0377	EA	24" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	508.54	33.55
11 41 33 00-0378	EA	24" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	545.33	33.82
11 41 33 00-0379	EA	24" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	586.10	34.08
11 41 33 00-0380	EA	24" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	618.90	34.34
11 41 33 00-0381	EA	24" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	692.47	34.87

**11 41 33 00-0382      54" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit (11 41 33 00-0249)**

11 41 33 00-0383	EA	18" x 36" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	618.13	32.76
11 41 33 00-0384	EA	18" x 48" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	679.71	33.29
11 41 33 00-0385	EA	18" x 60" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	761.27	33.82
11 41 33 00-0386	EA	18" x 72" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	810.82	34.34
11 41 33 00-0387	EA	24" x 36" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	675.66	33.29
11 41 33 00-0388	EA	24" x 48" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	781.22	33.82
11 41 33 00-0389	EA	24" x 60" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	862.77	34.34
11 41 33 00-0390	EA	24" x 72" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	984.29	34.87

**11 41 33 00-0391      63" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit (11 41 33 00-0249)**

11 41 33 00-0392	EA	18" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	626.11	32.76
11 41 33 00-0393	EA	18" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	687.71	33.29
11 41 33 00-0394	EA	18" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	769.25	33.82
11 41 33 00-0395	EA	18" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	818.80	34.34
11 41 33 00-0396	EA	24" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	683.64	33.29
11 41 33 00-0397	EA	24" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	789.20	33.82
11 41 33 00-0398	EA	24" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	870.75	34.34
11 41 33 00-0399	EA	24" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	992.27	34.87

**11 41 33 00-0400      74" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit (11 41 33 00-0249)**

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 41 33 00-0401	EA			18" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	634.09	32.76
11 41 33 00-0402	EA			18" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	695.69	33.29
11 41 33 00-0403	EA			18" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	777.24	33.82
11 41 33 00-0404	EA			18" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	826.77	34.34
11 41 33 00-0405	EA			24" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	691.62	33.29
11 41 33 00-0406	EA			24" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	797.18	33.82
11 41 33 00-0407	EA			24" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	878.72	34.34
11 41 33 00-0408	EA			24" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	1,000.27	34.87
<b>11 41 33 00-0409 86" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit (11 41 33 00-0249)</b>						
11 41 33 00-0410	EA			18" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	654.12	32.76
11 41 33 00-0411	EA			18" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	715.71	33.29
11 41 33 00-0412	EA			18" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	797.26	33.82
11 41 33 00-0413	EA			18" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	846.81	34.34
11 41 33 00-0414	EA			24" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	711.65	33.29
11 41 33 00-0415	EA			24" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	817.22	33.82
11 41 33 00-0416	EA			24" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	898.76	34.34
11 41 33 00-0417	EA			24" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	1,020.28	34.87
<b>11 41 33 00-0418 Stainless Steel Shelving Unit (11 41 33 00-0001)</b>						
<b>11 41 33 00-0419 63" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit (11 41 33 00-0418)</b>						
11 41 33 00-0420	EA			18" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	793.72	32.76
11 41 33 00-0421	EA			18" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	926.57	33.29
11 41 33 00-0422	EA			18" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,094.52	33.82
11 41 33 00-0423	EA			18" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,270.42	34.34
11 41 33 00-0424	EA			24" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	937.71	33.29
11 41 33 00-0425	EA			24" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,090.14	33.82
11 41 33 00-0426	EA			24" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,289.98	34.34
11 41 33 00-0427	EA			24" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,554.04	34.87
<b>11 41 33 00-0428 74" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit (11 41 33 00-0418)</b>						
11 41 33 00-0429	EA			18" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit.....	821.65	32.76
11 41 33 00-0430	EA			18" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit.....	954.50	33.29
11 41 33 00-0431	EA			18" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,126.42	33.82
11 41 33 00-0432	EA			18" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,298.34	34.34
11 41 33 00-0433	EA			24" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit.....	965.65	33.29
11 41 33 00-0434	EA			24" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,118.06	33.82
11 41 33 00-0435	EA			24" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,317.90	34.34
11 41 33 00-0436	EA			24" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,581.97	34.87
<b>11 41 33 00-0437 86" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit (11 41 33 00-0418)</b>						
11 41 33 00-0438	EA			18" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit.....	849.57	32.76
11 41 33 00-0439	EA			18" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit.....	982.42	33.29
11 41 33 00-0440	EA			18" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,154.34	33.82
11 41 33 00-0441	EA			18" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,326.27	34.34
11 41 33 00-0442	EA			24" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit.....	993.56	33.29
11 41 33 00-0443	EA			24" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,145.99	33.82
11 41 33 00-0444	EA			24" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,345.83	34.34
11 41 33 00-0445	EA			24" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,609.89	34.87
<b>11 41 33 00-0446 63" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit (11 41 33 00-0418)</b>						
11 41 33 00-0447	EA			18" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,309.86	32.76
11 41 33 00-0448	EA			18" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,449.22	33.29
11 41 33 00-0449	EA			18" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,634.34	33.82
11 41 33 00-0450	EA			18" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,746.03	34.34
11 41 33 00-0451	EA			24" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,571.26	33.29
11 41 33 00-0452	EA			24" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,852.73	33.82
11 41 33 00-0453	EA			24" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	2,057.94	34.34
11 41 33 00-0454	EA			24" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	2,364.96	34.87
<b>11 41 33 00-0455 74" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit (11 41 33 00-0418)</b>						
11 41 33 00-0456	EA			18" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,349.83	32.76
11 41 33 00-0457	EA			18" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,491.62	33.29
11 41 33 00-0458	EA			18" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,680.01	33.82
11 41 33 00-0459	EA			18" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,793.60	34.34
11 41 33 00-0460	EA			24" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,611.25	33.29
11 41 33 00-0461	EA			24" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,892.70	33.82
11 41 33 00-0462	EA			24" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit.....	2,100.17	34.34
11 41 33 00-0463	EA			24" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit.....	2,410.64	34.87
<b>11 41 33 00-0464 86" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit (11 41 33 00-0418)</b>						
11 41 33 00-0465	EA			18" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,389.82	32.76
11 41 33 00-0466	EA			18" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,530.84	33.29
11 41 33 00-0467	EA			18" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,718.24	33.82
11 41 33 00-0468	EA			18" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,831.30	34.34

11 Equipment

11 40 Foodservice Equipment

11 41 Foodservice Storage Equipment

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 41 33 00-0469	EA		24" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit .....	1,651.23	33.29
11 41 33 00-0470	EA		24" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit .....	1,932.69	33.82
11 41 33 00-0471	EA		24" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit .....	2,138.87	34.34
11 41 33 00-0472	EA		24" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit .....	2,447.33	34.87

11 41 33 00-0473 Galvanized Steel Dunnage Rack (11 41 33 00-0001)

11 41 33 00-0474	EA		18" x 24" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack .....	220.07	23.56
11 41 33 00-0475	EA		18" x 30" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack .....	231.86	24.21
11 41 33 00-0476	EA		18" x 36" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack .....	245.28	24.88
11 41 33 00-0477	EA		18" x 48" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack .....	270.14	25.53
11 41 33 00-0478	EA		18" x 60" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack .....	291.72	26.18
11 41 33 00-0479	EA		24" x 24" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack .....	236.41	23.56
11 41 33 00-0480	EA		24" x 30" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack .....	258.00	24.21
11 41 33 00-0481	EA		24" x 36" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack .....	271.42	24.88
11 41 33 00-0482	EA		24" x 48" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack .....	294.65	25.53
11 41 33 00-0483	EA		24" x 60" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack .....	321.13	26.18

11 41 33 00-0484 Stainless Steel Dunnage Rack (11 41 33 00-0001)

11 41 33 00-0485	EA		18" x 36" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack .....	585.80	24.88
11 41 33 00-0486	EA		18" x 48" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack .....	733.73	25.53
11 41 33 00-0487	EA		18" x 60" Open Wire Shelf, 16-1/4" Height, Stainless Steel Dunnage Rack .....	1,237.77	26.18
11 41 33 00-0488	EA		24" x 36" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack .....	640.44	24.88
11 41 33 00-0489	EA		24" x 48" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack .....	796.99	25.53
11 41 33 00-0490	EA		24" x 60" Open Wire Shelf, 16-1/4" Height, Stainless Steel Dunnage Rack .....	1,349.43	26.18

11 41 33 00-0491 Mobile Racks (11 41 33 00-0001)

11 41 33 00-0492	EA		Mobile Rack With Pan Slide.....	1,735.97	39.67
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11 41 33 00-0493 Can Racks (11 41 33 00-0001)

11 41 33 00-0494	EA		27-1/4" Wide x 42" Deep x 81-1/16" High, Aluminum Frame Can Rack .....	3,277.54	39.67
			Note: 156 #10 cans capacity		

11 42 Food Preparation Equipment (11 40)

11 42 13 Food Preparation Appliances (11 42)

11 42 13 00-0001 Vertical Cutter Mixers (11 42 13)

11 42 13 00-0002	EA		Bench Type Mixers, 25 Quart .....	10,200.83	208.06
11 42 13 00-0003	EA		Bench Type Mixers, 40 Quart .....	11,789.69	231.18
11 42 13 00-0004	EA		Bench Type Mixers, 80 Quart .....	14,644.55	332.90
11 42 13 00-0005	EA		Bench Type Mixers, 130 Quart .....	16,364.18	416.13

11 42 13 00-0006 Choppers (11 42 13)

11 42 13 00-0007	EA		Choppers, 5 LB.....	2,579.97	184.95
11 42 13 00-0008	EA		Choppers, 16 LB.....	3,783.83	240.43
11 42 13 00-0009	EA		Choppers, 35 LB - 40 LB .....	7,299.21	295.91
11 42 13 00-0010	EA		Choppers, 35 LB - 40 LB/Min, 2 HP.....	6,054.90	262.90
11 42 13 00-0011	EA		Choppers, 35 LB - 40 LB/Min, 3 HP.....	6,865.47	262.90

11 42 13 00-0012 Stand Model Mixer (11 42 13)

11 42 13 00-0013	EA		10 Quart, 120 Volt, 3/4 HP, Gear-Driven Commercial Planetary Stand Mixer With Guard (Avantco MX10).....	1,139.76	88.43
11 42 13 00-0014	EA		20 Quart, 120 Volt, 1-1/2 HP, Gear-Driven Commercial Planetary Stand Mixer With Guard (Avantco MX20) .....	1,415.27	88.43
11 42 13 00-0015	EA		10 Quart, 120 Volt, 1/3 HP, Gear-Driven Commercial Planetary Stand Mixer With Guard (Globe SP10).....	3,718.50	88.43
11 42 13 00-0016	EA		20 Quart, 240 Voltage, 1/2 HP, Gear-Driven Commercial Planetary Stand Mixer With Stainless Steel Bowl Guard (Hobart HL-200-1).....	7,833.83	87.85

11 42 13 00-0017 Floor Model Mixer (11 42 13)

11 42 13 00-0018	EA		30 Quart, 120 Voltage, 1-3/4 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Avantco MX30) .....	2,930.55	88.43
11 42 13 00-0019	EA		40 Quart, 240 Voltage, 2 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Avantco MX40) .....	4,052.25	98.27
11 42 13 00-0020	EA		60 Quart, 240 Voltage, 2-1/2 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Avantco MX60) .....	6,969.60	110.54
11 42 13 00-0021	EA		30 Quart, 240 Voltage, 3/4 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-300-1).....	14,890.36	87.85
11 42 13 00-0022	EA		40 Quart, 240 Voltage, 1-1/2 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-400-1).....	18,281.22	90.16
11 42 13 00-0023	EA		60 Quart, 220-240 Voltage, 2-3/4 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-600-1).....	23,283.10	92.47
11 42 13 00-0024	EA		80 Quart, 220-240 Voltage, 3 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL800-1).....	34,383.73	115.59
11 42 13 00-0025	EA		140 Quart, 220-240 Voltage, 5 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-1400-1).....	44,043.72	147.96

11 42 13 00-0026 Slicers (11 42 13)

MINOR	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 42 13 00-0027	EA	1/3 HP, 12" Manual Gravity Feed Meat Slicer (Avantco SL312).....	757.95	27.64
11 42 13 00-0028	EA	1/2 HP, 12" Manual Gravity Feed Meat Slicer (Avantco SL512).....	1,107.89	27.64
11 42 13 00-0029	EA	1/2 HP, 13" Medium-Duty Manual Gravity Feed Meat Slicer (Avantco SL713MAN).....	1,599.77	27.64
11 42 13 00-0030	EA	1/2 HP, 12" Medium-Duty Automatic Meat Slicer With Manual Use Option (Avantco SL612A).....	2,724.06	27.64
11 42 13 00-0031	EA	3/4 HP, 13" Medium-Duty Automatic Meat Slicer With Manual Use Option (Avantco SL713A).....	3,005.13	27.64
11 42 13 00-0032	EA	1/2 HP, 13" Heavy-Duty Automatic Gravity Feed Meat Slicer (Hobart EDGE13A-11).....	5,524.94	27.64
<b>11 42 13 00-0033</b>		<b>Peelers <small>(11 42 13)</small></b>		
11 42 13 00-0034	EA	22 Lb, 120 Voltage, Potato Peeler (Sammic PI-10).....	3,097.97	150.27
11 42 13 00-0035	EA	44 Lb, 120 Voltage, Potato Peeler (Sammic PI-20).....	3,578.98	175.23
11 42 13 00-0036	EA	66 Lb, 120 Voltage, Potato Peeler (Sammic PI-30).....	5,542.55	200.39
11 42 13 00-0037	EA	20 Lb, 115 Voltage, Potato Peeler (Hobart 6115).....	4,942.53	150.27
11 42 13 00-0038	EA	40 Lb, 115 Voltage, Potato Peeler (Hobart 6430-1).....	10,005.85	175.23
11 42 13 00-0039	EA	60 Lb, 115 Voltage, Potato Peeler (Hobart 6460-1).....	10,657.66	200.39
<b>11 42 13 00-0040</b>		<b>Proof Boxes <small>(11 42 13)</small></b>		
11 42 13 00-0041	EA	30-1/2" x 22-1/2", Stainless Steel Proof Box.....	2,609.47	70.64
11 42 13 00-0042	EA	30-1/2" x 45", Stainless Steel Proof Box.....	4,366.46	118.39
11 42 13 00-0043	EA	30-1/2" x 45", Galvanized Proof Box.....	3,285.84	53.74
<b>11 42 13 00-0044</b>		<b>Non-Insulated Heated Proof Cabinet <small>(11 42 13)</small></b>		
11 42 13 00-0045	EA	Angle Slide 69-3/4", Solid Door Non Insulated Heated Proof Cabinet.....	1,949.78	67.69
11 42 13 00-0046	EA	Angle Slide 69-3/4", Clear Door Non Insulated Heated Proof Cabinet.....	2,091.58	72.38
11 42 13 00-0047	EA	Channel Slide 69-3/4", Solid Door Non Insulated Heated Proof Cabinet.....	1,936.55	67.15
11 42 13 00-0048	EA	Channel Slide 69-3/4", Clear Door Non Insulated Heated Proof Cabinet.....	2,052.48	71.18
<b>11 42 13 00-0049</b>		<b>Insulated Heated Proof Cabinet <small>(11 42 13)</small></b>		
11 42 13 00-0050	EA	3 Spacing, 69-3/4" High Solid Door Insulated Heated Proof Cabinet.....	3,189.92	126.98
11 42 13 00-0051	EA	3 Spacing 69-3/4" High Sliding Door Insulated Heated Proof Cabinet.....	3,333.53	132.75
<b>11 42 13 00-0052</b>		<b>Pass-Thru Hot Food Holding Cabinet <small>(11 42 13)</small></b>		
11 42 13 00-0053	EA	Single Section, Full Door, Pass-Thru Hot Food Holding Cabinet.....	6,105.33	194.19
11 42 13 00-0054	EA	Single Section, Half Door, Pass-Thru Hot Food Holding Cabinet.....	6,494.36	194.19
11 42 13 00-0055	EA	Two Section, Full Door, Pass-Thru Hot Food Holding Cabinet.....	8,288.43	203.43
11 42 13 00-0056	EA	Two Section, Half Door, Pass-Thru Hot Food Holding Cabinet.....	9,083.12	203.43
<b>11 42 16 Food Preparation Surfaces <small>(11 42)</small></b>				
<b>11 42 16 00-0001</b>		<b>Tables <small>(11 42 16)</small></b>		
<b>11 42 16 00-0002</b>		<b>Baker's Table <small>(11 42 16 00-0001)</small></b>		
11 42 16 00-0003	EA	4' Open Base Baker's Table.....	834.16	56.61
11 42 16 00-0004	EA	10' Open Base Baker's Table.....	1,637.17	110.99
11 42 16 00-0005	EA	10' Undershelf Baker's Table.....	2,020.02	136.97
11 42 16 00-0006	EA	10' Three Drawers Baker's Table.....	2,166.58	147.07
11 42 16 00-0007	EA	10' Bins Baker's Table.....	3,187.63	216.44
11 42 16 00-0008	EA	10' Bins And Drawers Baker's Table.....	5,005.46	339.75
<b>11 42 16 00-0009</b>		<b>Preparation Table, Stainless Steel, With Undershelf <small>(11 42 16 00-0001)</small></b>		
11 42 16 00-0010	EA	30" x 72" Square Edge Stainless Steel Preparation Table With Undershelf.....	960.81	29.85
11 42 16 00-0011	EA	30" x 72" Marine Edge Stainless Steel Preparation Table With Undershelf.....	1,036.35	35.85
11 42 16 00-0012	EA	36" x 96" Marine Edge Stainless Steel Preparation Table With Undershelf.....	1,565.10	48.73
<b>11 42 16 00-0013</b>		<b>Preparation Table, Stainless Steel, With Open Front <small>(11 42 16 00-0001)</small></b>		
11 42 16 00-0014	EA	30" X 72" Round Edge Stainless Steel Preparation Table With Open Front.....	1,011.68	31.41
11 42 16 00-0015	EA	36" X 96" Round Edge Stainless Steel Preparation Table With Open Front.....	1,300.30	40.40
11 42 16 00-0016	EA	36" X 96" Square Edge Stainless Steel Preparation Table With Open Front.....	1,116.95	34.75
11 42 16 00-0017	EA	36" X 96" Marine Edge Stainless Steel Preparation Table With Open Front.....	1,344.44	41.84
11 42 16 00-0018	EA	Roller Utility Drawers Stainless Steel Preparation Table With Open Front.....	271.60	8.43
<b>11 42 16 00-0019</b>		<b>Mobile Tables <small>(11 42 16 00-0001)</small></b>		
11 42 16 00-0020	EA	21-1/4" x 27-1/2" x 41" Galvanized Mobile Table With Galvanized Top.....	3,154.97	26.75
11 42 16 00-0021	EA	32-1/4" x 27-1/2" x 41" Galvanized Mobile Table With Galvanized Top.....	1,703.08	32.08
11 42 16 00-0022	EA	32-1/4" x 27-1/2" x 41" Stainless Steel Mobile Table With Stainless Steel Top.....	1,157.74	36.07
<b>11 42 16 00-0023</b>		<b>Hot Food Tables, Stainless Steel, Gas Or Electric <small>(11 42 16 00-0001)</small></b>		
11 42 16 00-0024	EA	32-1/4" x 27-1/2" x 41" Stainless Steel Hot Food Tables.....	2,067.68	64.38
11 42 16 00-0025	EA	32-1/4" x 27-1/2" x 21" Stainless Steel Hot Food Tables.....	1,677.15	52.17
11 42 16 00-0026	EA	Full Size Pan With Cover Stainless Steel Hot Food Tables.....	139.21	4.33
11 42 16 00-0027	EA	Set Of Three 1/3 Size With Cover Stainless Steel Hot Food Tables.....	203.66	6.33
11 42 16 00-0028	EA	58-1/2", 4 Openings Stainless Steel Hot Food Tables.....	4,073.45	110.64
11 42 16 00-0029	EA	114-1/2", 8 Openings Stainless Steel Hot Food Tables.....	8,104.00	220.74

**11 Equipment**  
**11 40 Foodservice Equipment**  
**11 42 Food Preparation Equipment**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

**11 42 16 00-0030 Basic Table** (11 42 16 00-0001)  
11 42 16 00-0031 LF Table, Basic.....276.44 22.05

**11 42 16 00-0032 Table With Sink** (11 42 16)  
11 42 16 00-0033 LF Table With Sink.....350.52 42.10

**11 42 23 Food Preparation Scullery Sinks** (11 42)

**11 42 23 00-0001 Stainless Steel Scullery Sinks** (11 42 23)  
Note: Excludes faucet. See CSI section 22 42 39 00-0085 for service sink faucets.  
11 42 23 00-0002 EA Stainless Steel Scullery Sink, Single 30" x 24" x 12" Compartment And Drainboard.....2,292.26 176.67  
For Additional Drain Board, Add 209.04  
11 42 23 00-0003 EA Stainless Steel Scullery Sink, Double 30" x 24" x 12" Compartment And Drainboard.....3,238.56 201.91  
For Additional Drain Board, Add 298.62  
11 42 23 00-0004 EA Stainless Steel Scullery Sink, Triple 30" x 24" x 12" Compartment And Drainboard.....4,288.08 201.91  
For Additional Drain Board, Add 398.52  
11 42 23 00-0005 EA Stainless Steel Scullery Sink, Quad 30" x 24" x 12" Compartment And Drainboard.....6,125.86 201.91  
For Additional Drain Board, Add 572.20  
11 42 23 00-0006 EA Stainless Steel Pot Sink, Double 20" x 20" x 18" Compartment And Drainboard.....3,794.31 201.91  
11 42 23 00-0007 EA 36" Wide, Double 21" Length x 18" Width x 14" Depth Compartment, 16 Gauge, Stainless Steel Scullery Sink  
(Advance Tabco 4-2-36-X).....1,174.07 176.67  
11 42 23 00-0008 EA 39" Wide, Double 16" Length x 20" Width x 12" Depth, 18 Gauge, Stainless Steel Scullery Sink (Elkay E2C16X20-  
0X).....1,179.69 176.67  
11 42 23 00-0009 EA 54" Wide, Triple 21" Length x 18" Width x 14" Depth Compartment, 16 Gauge, Stainless Steel Scullery Sink  
(Advance Tabco 4-3-54-X).....1,400.28 201.91

**11 44 Food Cooking Equipment** (11 44)

**11 44 13 Commercial Ranges** (11 44)

**11 44 13 00-0001 Range** (11 44 13)  
11 44 13 00-0002 EA Heavy Duty Range, With 34" Open Top Oven.....2,395.24 92.47  
11 44 13 00-0003 EA Range With Fry Top.....2,395.24 92.47  
11 44 13 00-0004 EA Steel Finish Fry Top.....5,112.73 132.88  
11 44 13 00-0005 EA Stainless Top Only Fry Top.....5,110.28 131.36  
11 44 13 00-0006 EA Stainless Top And 2 Sides Fry Top.....5,905.21 152.94  
11 44 13 00-0007 EA Gas Range, Vulcan #260L.....5,332.46 136.26  
Note: Six 12" burners, open top sections, porcelain on steel aeration plates and grates. 24" griddle/broiler, two  
26-1/4" x 22" x 14-1/2" ovens porcelain on steel liner and aluminized steel construction, nickel plated oven racks.  
11 44 13 00-0008 EA 48" Range With Casters (Vulcan 48C-4B24GN).....12,211.16 79.34

**11 44 16 Commercial Ovens** (11 44)

**11 44 16 00-0001 Bake Oven** (11 44 16)  
11 44 16 00-0002 EA 55", 208 Voltage, 1 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-3836).....14,292.69 386.80  
11 44 16 00-0003 EA 55", 208 Voltage, 3 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-3836).....14,292.69 386.80  
11 44 16 00-0004 EA 74", 208 Voltage, 1 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-5736).....19,290.34 386.80  
11 44 16 00-0005 EA 74", 208 Voltage, 3 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-5736).....19,290.34 386.80  
11 44 16 00-0006 EA 55", 208 Voltage, 1 Phase, Double Deck Electric Bake Oven (Bakers Pride EB-2-8-3836).....27,480.12 442.06  
11 44 16 00-0007 EA 55", 208 Voltage, 3 Phase, Double Deck Electric Bake Oven (Bakers Pride EB-2-8-3836).....27,480.12 442.06

**11 44 16 00-0008 Rapid-Cook Countertop Bake Ovens** (11 44 16)

11 44 16 00-0009 EA 6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Digital Control, Stainless Steel Countertop Oven  
(TurboChef ECS-9500-1).....8,997.78 19.84  
11 44 16 00-0010 EA 800 To 2,200 Watts, 208/240 Volt, Rapid Cook Type, Touchscreen Control, Stainless Steel Classic Countertop  
Oven (MerryChef E1SM).....5,336.80 19.84  
11 44 16 00-0011 EA 4,700 Watts, 208/240 Volt, 1.2 CF, Rapid Cook Type, Touchscreen Control, Stainless Steel Countertop Oven  
(MerryChef E3-1330-H).....4,202.24 19.84  
11 44 16 00-0012 EA 800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop  
High-Speed Oven (TurboChef ECO-9500-1).....6,410.56 19.84  
11 44 16 00-0013 EA 800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop  
Oven, Black (TurboChef ECO-9500-5).....6,672.21 19.84  
11 44 16 00-0014 EA 800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop  
Oven, Red (TurboChef ECO-9500-2).....6,672.21 19.84  
11 44 16 00-0015 EA 800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop  
Oven, Blue (TurboChef ECO-9500).....6,672.21 19.84  
11 44 16 00-0016 EA 800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop  
Oven, Green (TurboChef ECO-9500).....6,672.21 19.84  
11 44 16 00-0017 EA 800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven,  
White (TurboChef ECO-9500).....6,672.21 19.84  
11 44 16 00-0018 EA 1,600 To 1,700 Watts, 208/240 Volt, 1.05 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel  
Countertop Oven (TurboChef NGC-1280-1).....12,418.82 19.84  
11 44 16 00-0019 EA 6,200 Watts, 208/240 Volt, 1.304 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven  
(MerryChef E4S).....11,513.35 19.84  
11 44 16 00-0020 EA 4,600 Watts, 208/240 Volt, 1.2 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Jetwave Ventless  
Countertop Oven (Amana JET19V).....6,146.73 19.84  
11 44 16 00-0021 EA 3,200 Watts, 208/240 Volt, 1.2 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Jetwave Countertop  
Oven (Amana JET14).....5,023.03 19.84  
11 44 16 00-0022 EA 4,600 Watts, 208/240 Volt, 1.2 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Countertop Oven  
(Amana JET19).....5,462.74 19.84  
11 44 16 00-0023 EA 6,200 Watts, 208/240 Volt, 0.78 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven  
(TurboChef ENC-9600-601).....13,070.24 19.84

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 44 16 00-0024	EA		5,700 Watts, 208/240 Volt, 1.38 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Countertop Oven With Teflon® Coating And Touch Screen Display (Amana MXP22TLT) .....	11,667.52	19.84
11 44 16 00-0025	EA		1,000 To 2,200 Watts, 208/240 Volt, 0.58 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (MerryChef E2S STANDARD CLASSIC) .....	8,158.53	19.84
11 44 16 00-0026	EA		9,500 To 11,500 Watts, 208/240 Volt, 2.2 CF, 1 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i5) .....	16,426.14	19.84
11 44 16 00-0027	EA		9,500 To 11,500 Watts, 208/240 Volt, 2.2 CF, 3 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i5) .....	16,426.14	19.84
11 44 16 00-0028	EA		9,500 To 11,500 Watts, 208/240 Volt, 2.2 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i5 Touch) .....	17,034.13	19.84
11 44 16 00-0029	EA		11,500 Watts, 208/240 Volt, 2.2 CF, 3 Phase, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i5-9500-414-DL) .....	17,034.13	19.84
11 44 16 00-0030	EA		1,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (Amana MRX1).....	9,029.27	19.84
11 44 16 00-0031	EA		5,000 Watts, 208/240 Volt, 1.45 CF, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef HHB-8603-1) .....	8,997.78	19.84
11 44 16 00-0032	EA		6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef I1-9500-400).....	10,977.01	19.84
11 44 16 00-0033	EA		4,000 To 4,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Countertop Oven (TurboChef I1-9500-104).....	9,561.26	19.84
11 44 16 00-0034	EA		6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen, Countertop Oven With Panini Press (TurboChef PANINI) .....	10,683.87	19.84
11 44 16 00-0035	EA		6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop Oven With Panini Press (TurboChef PANINI TOUCH) .....	11,203.92	19.84
11 44 16 00-0036	EA		4,000 To 4,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven With Touch Controls (TurboChef SOTA SNGL MAG TOUCH) .....	9,919.54	19.84
11 44 16 00-0037	EA		6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef WATERLESS STEAMER).....	12,060.54	19.84
11 44 16 00-0038	EA		6,200 Watts, 208/240 Volt, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef WATERLESS STEAMER TCH).....	12,597.96	19.84
11 44 16 00-0039	EA		2,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (Amana MRX2).....	9,517.83	19.84
11 44 16 00-0040	EA		2,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Black (Amana MRX1 BLACK) .....	9,137.84	19.84
11 44 16 00-0041	EA		2,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Red (Amana MRX1 RED).....	9,137.84	19.84
11 44 16 00-0042	EA		1,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Black (Amana MRX2 BLACK) .....	9,626.40	19.84
11 44 16 00-0043	EA		1,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Red (Amana MRX2 RED).....	9,626.40	19.84
11 44 16 00-0044	EA		4,000 To 4,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Powder Coated, Countertop Oven (TurboChef I1-9500-1).....	10,461.30	19.84
11 44 16 00-0045	EA		8,300 To 9,600 Watts, 208/240 Volt, 1.14 CF, 1 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i3) .....	14,018.06	19.84
11 44 16 00-0046	EA		8,600 To 9,900 Watts, 208/240 Volt, 1.14 CF, 3 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i3) .....	14,018.06	19.84
11 44 16 00-0047	EA		8,300 To 9,600 Watts, 208/240 Volt, 1.14 CF, 1 Phase, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i3 Touch) .....	14,604.34	19.84
11 44 16 00-0048	EA		8,600 To 9,900 Watts, 208/240 Volt, 1.14 CF, 3 Phase, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i3 Touch) .....	14,604.34	19.84
11 44 16 00-0049	EA		10,720/12,480 Watts, 208/240 Volt, 1.18 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Double Batch Ventless Countertop Oven (TurboChef HHD-9500-1) .....	13,139.73	19.84
11 44 16 00-0050	EA		5,616 Watts, 208/240 Volt, 0.99 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Single Batch Ventless Countertop Oven (TurboChef HHS-9500-1) .....	9,876.11	19.84

**11 44 16 00-0051 Combination Ovens <sup>(11 44 16)</sup>**

Note: Convection, steam and combination modes.

11 44 16 00-0052	EA		35.4" x 34" x 26.6" Half Size Electric Boilerless Combination Oven .....	19,694.77	161.82
11 44 16 00-0053	EA		35.4" x 45" x 36.8" Full Size Electric Boilerless Combination Oven .....	32,299.15	184.95
11 44 16 00-0054	EA		35.4" x 34" x 36.8" Half Size Electric Boilerless Combination Oven.....	26,687.04	184.95
11 44 16 00-0055	EA		35.4" x 45" x 70.4" Full Size Electric Boilerless Combination Oven.....	64,377.58	231.18
11 44 16 00-0056	EA		35.4" x 34" x 70.4" Half Size Electric Boilerless Combination Oven.....	48,882.06	231.18

**11 44 16 00-0057 Countertop Electric Convection Type Ovens <sup>(11 44 16)</sup>**

11 44 16 00-0058	EA		1,440 Watts, 120 Volt, 0.8 CF, 150 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Quarter Size, Thermostatic Control, Stainless Steel Countertop Electric Convection Oven (Avantco CO-14) .....	371.08	9.92
11 44 16 00-0059	EA		1,600 Watts, 120 Volt, 1.5 CF, 150 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Half Size, Thermostatic Control, Stainless Steel Countertop Electric Convection Oven (Avantco CO-16) .....	609.78	9.92
11 44 16 00-0060	EA		2,800 Watts, 208/240 Volt, 2.3 CF, 150 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Thermostatic Control, Half Size, Stainless Steel Countertop Electric Convection Oven (Avantco CO-28).....	720.95	9.92
11 44 16 00-0061	EA		2,800 Watts, 208/240 Volt, 2.3 CF, 150 To 500 Degrees Fahrenheit Temperature Range, 2.3 CF, One Glass Door, Half Size, Stainless Steel Countertop Electric Convection Oven With Steam Injection (Avantco CO-32).....	931.70	9.92
11 44 16 00-0062	EA		3,500 To 4,600 Watts, 208-240 Volt, 4.4 CF, 550 Degrees Fahrenheit, Two Glass Doors, Dial Control, Stainless Steel Full Size Electric Countertop Convection Oven (Avantco CO-38) .....	1,704.47	9.92
11 44 16 00-0063	EA		3,500 To 4,600 Watts, 208 To 240 Volt, 4.4 CF, 150 To 550 Degrees Fahrenheit Temperature Range, One Glass Door, Dial Control, Full Size, Stainless Steel Countertop Electric Cooky Type Convection Oven With Steam Injection (Avantco CO-46) .....	1,985.48	9.92
11 44 16 00-0064	EA		1,440 Watts, 120 Volt, 0.8 CF, 500 Degrees Fahrenheit Temperature Range, One Glass Door, Dial Control, Quarter Size, Stainless Steel Countertop Electric Convection Oven (Galaxy COE3Q).....	328.93	9.92
11 44 16 00-0065	EA		1,600 Watts, 120 Volt, 1.5 CF, 500 Degrees Fahrenheit, One Glass Door, Half Size, Dial Control, Stainless Steel Countertop Electric Convection Oven (Galaxy COE3H).....	553.74	9.92
11 44 16 00-0066	EA		1,700 Watts, 120 Volt, 27-15/16" Length x 23-5/8" Width x 24" Height, 200 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Half Size, Stainless Steel 4 Pan Electric Countertop Convection Oven (Global Solutions GS1110-17).....	1,604.78	9.92
11 44 16 00-0067	EA		1,400 Watts, 120 Volt, 1.19 CF, 150 - 570 Degrees Fahrenheit Temperature Range, One Glass Door, Thermostatic Control, Stainless Steel Half Size Electric Countertop Convection Oven (Vollrath 40703) .....	1,458.80	9.92

**11 Equipment****11 40 Foodservice Equipment****11 44 Food Cooking Equipment**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
11 44 16 00-0068	EA 2,400 Watts, 230 Volt, 1.9 CF, 150 - 570 Degrees Fahrenheit Temperature Range, One Glass Door, Dial Control, Stainless Steel Half Size Electric Countertop Convection Oven (Vollrath 40701) .....	1,988.01	9.92
11 44 16 00-0069	EA 5,600 Watts, 230 Volt, 4.27 CF, 150 - 570 Degrees Fahrenheit Temperature Range, 1 Glass Door, Dial Control, Stainless Steel Full Size Electric Countertop Convection Oven (Vollrath 40702) .....	3,231.88	9.92
<b>11 44 16 00-0070</b>	<b>Electric Convection Type Ovens <sup>(11 44 16)</sup></b>		
11 44 16 00-0071	EA 11 kW, 240 Volt, Two Glass Doors, 41-1/2" x 38-1/8" x 54-1/8", Single Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC-100) .....	3,037.90	39.68
11 44 16 00-0072	EA 22 kW, 240 Volt, 1 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200DK) .....	6,025.63	79.34
11 44 16 00-0073	EA 22 kW, 240 Volt, 3 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200CK) .....	6,025.63	79.34
11 44 16 00-0074	EA 22 kW, 240 Volt, 3 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200EK) .....	5,866.93	
11 44 16 00-0075	EA 22 kW, 208 Volt, 1 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200BK) .....	6,025.63	79.34
11 44 16 00-0076	EA 24 kW, 208 Volt, 3 Phase, Four Glass Doors, 40" x 40-1/8" x 68-13/16", Double Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC55ED-208/3) .....	9,926.20	79.34
11 44 16 00-0077	EA 12 kW, 208 Volt, 3 Phase, Two Glass Doors, 40" x 40-1/8" x 54", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC5ED-11D1 208/3) .....	4,963.09	39.68
11 44 16 00-0078	EA 12 kW, 240 Volt, 1 Phase, Two Glass Doors, 40" x 40-1/8" x 54", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC5ED-12D1 240/1) .....	4,963.09	39.68
11 44 16 00-0079	EA 12.5 kW, 208 Volt, 3 Phase, Two Glass Doors, 41-1/8" x 40-1/4" x 54-3/4", Single Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC4ED-11D1 208/3) .....	5,445.67	39.68
11 44 16 00-0080	EA 12 kW, 208 Volt, 1 Phase, Two Glass Doors, 40" x 40-1/8" x 54", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC5ED-11D1 208/1) .....	4,963.09	39.68
11 44 16 00-0081	EA 12 kW, 240 Volt, 3 Phase, Two Glass Doors, 40" x 40-1/8" x 24", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC5ED-12D1 240/3) .....	4,963.09	39.68
11 44 16 00-0082	EA 25 kW, 208 Volt, 3 Phase, Four Glass Doors, 41-1/8" x 40" x 70", Double Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC44ED-208/3) .....	10,891.36	79.34
11 44 16 00-0083	EA 11 kW, 220/240 Volt, 1 Phase, Two Glass Doors, 36-7/8" x 38-1/4" x 57", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Blodgett SHO-100-E) .....	4,634.93	39.68
11 44 16 00-0084	EA 22 kW, 208 Volt, 3 Phase, Four Glass Doors, 36-7/8" x 38-1/4" x 70", Double Deck, Stainless Steel Full Size Electric Convection Oven (Blodgett SHO-100-E) .....	9,269.88	79.34
11 44 16 00-0085	EA 24 kW, 208 Volt, 1 Phase, Four Glass Doors, 40" x 40-1/8" x 68 13/16", Double Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC55ED-208/1) .....	9,926.20	79.34
11 44 16 00-0086	EA 21 kW, 208 Volt, 1 Phase, Four Glass Doors, 46" x 40" x 74-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Bakers Pride BPCV-E2 208/1) .....	12,549.97	79.34
<b>11 44 16 00-0087</b>	<b>Natural Gas Convection Type Ovens <sup>(11 44 16)</sup></b>		
11 44 16 00-0088	EA 54,000 BTU, 150 To 550 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven With Legs (Cooking Performance Group FGC100N) .....	3,641.04	39.68
11 44 16 00-0089	EA 108,000 BTU, 150 To 550 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven With Legs (Cooking Performance Group FGC200N) .....	7,062.99	
11 44 16 00-0090	EA 100,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Stainless Steel Double Deck Full Size Natural Gas Convection Oven With Solid State Controls (Vulcan VC44GD-NAT) .....	12,444.17	79.34
11 44 16 00-0091	EA 100,000 BTU, 150 To 550 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Vulcan VC55GD) .....	11,917.43	79.34
11 44 16 00-0092	EA 100,000 BTU, 500 Degrees Fahrenheit, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Blodgett SHO-100-G) .....	11,127.32	79.34
11 44 16 00-0093	EA 50,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven with Solid State Controls And Legs (Vulcan VC4GD-11D150K) .....	6,222.08	39.68
11 44 16 00-0094	EA 120,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Bakery Depth Natural Gas Convection Oven With Draft Diverter (Blodgett ZEPHAIRE-200-G) .....	6,142.74	
11 44 16 00-0095	EA 120,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Standard Depth Full Size Natural Gas Convection Oven With Analog Controls (Garland MCO-GS-20S) .....	17,384.70	79.34
11 44 16 00-0096	EA 50,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven (Blodgett SHO-100-G) .....	5,563.65	39.68
11 44 16 00-0097	EA 100,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Bakery Depth Natural Gas Convection Oven With Draft Diverter (Blodgett ZEPHAIRE-200-G-ES) .....	15,248.30	79.34
11 44 16 00-0098	EA 120,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Digital Control, Stainless Steel Double Deck Standard Depth Full Size Natural Gas Convection Oven With Digital Controls (Garland MCO-GS-20) .....	22,653.66	79.34
11 44 16 00-0099	EA 120,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Garland MCO-GS-20-ESS) .....	17,226.00	
11 44 16 00-0100	EA 100,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Standard Depth Natural Gas Convection Oven With Draft Diverter (Blodgett ZEPHAIRE-100-G) .....	14,241.29	79.34
11 44 16 00-0101	EA 90,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Blodgett BDO-100-G-ES) .....	12,676.56	79.34
11 44 16 00-0102	EA 50,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven With Legs (Vulcan VC5GDN) .....	5,958.71	39.68
<b>11 44 16 00-0103</b>	<b>Liquid Propane Convection Type Ovens <sup>(11 44 16)</sup></b>		
11 44 16 00-0104	EA 108,000 BTU, 45" Length x 38" Width x 68" Height, 150 To 550 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Liquid Propane Convection Oven With Legs (Cooking Performance Group FGC200L) .....	7,221.69	79.34
11 44 16 00-0105	EA 100,000 BTU, 41-1/8" Length x 40-1/4" Width x 70" Height, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Liquid Propane Convection Oven With Solid State Controls (Vulcan VC44GD-LP) .....	12,444.17	79.34



			<b>Equipment</b>	<b>11</b>
			<b>Foodservice Equipment</b>	<b>11 40</b>
			<b>Food Cooking Equipment</b>	<b>11 44</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 44 16 00-0106	EA	50,000 BTU, 41-1/8" Length x 40-1/4" Width x 54-3/4" Height, 150 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Stainless Steel Single Deck Full Size Liquid Propane Convection Oven With Solid State Controls And Legs (Vulcan VC4GD-21D150K) .....	6,222.08	39.68
11 44 16 00-0107	EA	100,000 BTU, 45-1/8" Length x 40-1/4" Width x 70" Height, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Stainless Steel Double Deck Full Size Depth Liquid Propane Convection Oven With Solid State Controls (Vulcan VC66GD-LP).....	23,471.66	79.34
11 44 16 00-0108	EA	100,000 BTU, 36-7/8" Length x 38-1/4" Width x 70" Height, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Liquid Propane Convection Oven (Blodgett SHO-100-G) .....	11,127.32	79.34
11 44 16 00-0109	EA	100,000 BTU, 40-1/8" Length x 40-1/8" Width x 68-5/8" Height, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Liquid Propane Convection Oven (Vulcan VC55GD LP) .....	11,917.43	79.34
11 44 16 00-0110	EA	50,000 BTU, 40-1/8" Length x 40" Width x 54-3/4" Height, 150 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Liquid Propane Convection Oven With Legs (Vulcan VC5GDL).....	5,958.71	39.68
11 44 16 00-0111	EA	50,000 BTU, 36-7/8" Length x 38-1/4" Width x 63" Height, 200 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Liquid Propane Convection Oven (Blodgett SHO-100-G) .....	5,563.65	39.68
<b>11 44 16 00-0112</b>		<b>Broiler, Without Oven <small>(11 44 16)</small></b>		
11 44 16 00-0113	EA	69" x 26" x 39" Broiler Without Oven .....	6,648.00	147.96
11 44 16 00-0114	EA	Conveyor Broiler .....	5,911.05	171.72
<b>11 44 16 00-0115</b>		<b>Oven Stands <small>(11 44 16)</small></b>		
11 44 16 00-0116	EA	Stationary Oven Stand (Rational 60.30.334 US III UltraVent® Stationary Oven Stand) .....	1,564.80	
<b>11 44 16 00-0117</b>		<b>Triple Conveyor Oven <small>(11 44 16)</small></b>		
11 44 16 00-0118	EA	30 kW, 208 Volt, Three Door, Single Belt, Triple Conveyor, FastBake Stainless Steel Impingement Cook Type Oven Package (Lincoln 1180-3/1180-FB3) .....	42,251.99	158.70
11 44 16 00-0119	EA	Note: 39" Length x 56" Width x 62" Height, 250 To 575 Degrees Fahrenheit Temperature Range 30 kW, 240 Volt, Three Door, Single Belt, Triple Conveyor, FastBake Stainless Steel Impingement Cook Type Oven Package (Lincoln 1180-3/1180-FB3) .....	42,251.99	158.70
11 44 16 00-0120	EA	Note: 39" Length x 56" Width x 62" Height, 250 To 575 Degrees Fahrenheit Temperature Range 22 kW, 208 Volt, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3) .....	93,922.47	158.70
11 44 16 00-0121	EA	Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range 22 kW, 220 Volt, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3) .....	78,071.28	158.70
11 44 16 00-0122	EA	Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range 22 kW, 240 Volt, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3) .....	78,071.28	158.70
11 44 16 00-0123	EA	Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range 330,000 BTU, Natural Gas, Three Door, Triple Conveyor, Low Profile FastBake Stainless Steel, Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3) .....	93,922.47	158.70
11 44 16 00-0124	EA	Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range 330,000 BTU, Liquid Propane, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3) .....	93,922.47	158.70
11 44 16 00-0125		<b>Countertop Pizza Oven <small>(11 44 16)</small></b>		
11 44 16 00-0126	EA	3,700 To 4,800 Watts, 208/240 Volt, Stainless Steel Countertop Pizza Oven, White (TurboChef FIRE WHITE).....	6,117.42	19.84
11 44 16 00-0127		<b>Rotary Deck Pizza Oven <small>(11 44 16)</small></b>		
11 44 16 00-0128	EA	90,000 BTU, 2 Deck, 38.6" Diameter Rotary Deck Pizza Oven (Sierra Range Volare) .....	30,834.46	79.34
<b>11 44 19</b>		<b>Commercial Cooking Equipment <small>(11 44)</small></b>		
<b>11 44 19 00-0001</b>		<b>Drop-In Electric Griddle <small>(11 44 19)</small></b>		
11 44 19 00-0002	EA	24" Wide x 24" Deep, Drop-In Electric Griddle.....	3,471.63	127.15
11 44 19 00-0003	EA	36" Wide x 24" Deep, Drop-In Electric Griddle.....	4,929.32	127.15
11 44 19 00-0004	EA	48" Wide x 24" Deep, Drop-In Electric Griddle.....	5,640.80	138.71
11 44 19 00-0005	EA	60" Wide x 24" Deep, Drop-In Electric Griddle.....	6,745.64	138.71
11 44 19 00-0006	EA	72" Wide x 24" Deep, Drop-In Electric Griddle.....	8,641.78	150.27
<b>11 44 19 00-0007</b>		<b>Countertop Griddle <small>(11 44 19)</small></b>		
11 44 19 00-0008	EA	16", 120 Voltage, 1750 Watt, Electric Countertop Griddle (Avantco EG16N) .....	568.02	140.68
11 44 19 00-0009	EA	24", 208/240 Voltage, 2675 To 3560 Watt, Electric Countertop Griddle (Avantco EG24N) .....	717.64	140.68
11 44 19 00-0010	EA	30", 208/240 Voltage, 3375 To 4500 Watt, Electric Countertop Griddle (Avantco EG30N) .....	804.92	140.68
11 44 19 00-0011	EA	36", 208/240 Voltage, 7488 To 10080 Watt, Electric Countertop Griddle (Avantco EG36N) .....	1,028.12	140.68
11 44 19 00-0012	EA	24", 220 Voltage, Thermostatic Electric Griddle (Vollrath 40716) .....	1,121.01	140.68
11 44 19 00-0013	EA	36", 220 Voltage, Thermostatic Electric Griddle (Vollrath 40717) .....	1,454.30	140.68
<b>11 44 19 00-0014</b>		<b>Panini Sandwich Grill <small>(11 44 19)</small></b>		
11 44 19 00-0015	EA	3,500 Watts, 120 Volt, Double Commercial Panini Sandwich Grill With Smooth Plates (Avantco P85S) .....	506.22	79.34
11 44 19 00-0016	EA	1,750 Watts, 120 Volt, Commercial Panini Sandwich Grill With Grooved Plates (Avantco P78) .....	392.27	79.34
11 44 19 00-0017	EA	1,750 Watts, 120 Volt, Commercial Panini Sandwich Grill With Smooth Plates (Avantco P70S) .....	392.27	79.34
11 44 19 00-0018	EA	1,750 Watts, 120 Volt, Commercial Panini Sandwich Grill With Grooved Top and Smooth Bottom Plates (Avantco P75SG).....	392.27	79.34

11	<b>11 Equipment</b>
	<b>11 40 Foodservice Equipment</b>
	<b>11 44 Food Cooking Equipment</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 19 00-0019	EA		2,392 Watts, 208 Volt, Panini Perfetto Grooved Top And Bottom Panini Sandwich Grill (Waring WPG150B) .....	784.09	79.34
<b>11 44 19 00-0020</b>			<b>Electric Countertop Fryer, With Submerger (11 44 19)</b>		
11 44 19 00-0021	EA		30 LB Capacity, 208-240 Volt, Two Basket, Countertop Deep Fryer (Avantco F202)).....	767.21	79.34
11 44 19 00-0022	EA		30 LB Capacity, 208-240 Volt, Four Basket, Commercial Countertop Deep Fryer (Vollrath 40710).....	1,659.84	79.34
11 44 19 00-0023	EA		30 LB Capacity, 240 Volt, Two Basket, Countertop Electric Deep Fryer (Garland E24-31F).....	6,120.24	79.34
<b>11 44 19 00-0024</b>			<b>Electric Floor Fryer, With Submerger (11 44 19)</b>		
11 44 19 00-0025	EA		50 LB Capacity, Single Basket Lift, 208 Volt, Electric Fryer.....	5,477.61	184.95
11 44 19 00-0026	EA		50 LB Capacity, Single Basket Lift, 480 Volt, Electric Fryer.....	5,748.32	184.95
11 44 19 00-0027	EA		85 LB Capacity, Single Basket Lift, 208 Volt, Electric Fryer.....	18,312.14	240.43
11 44 19 00-0028	EA		85 LB Capacity, Single Basket Lift, 480 Volt, Electric Fryer.....	18,756.39	240.43
<b>11 44 19 00-0029</b>			<b>Natural Gas Floor Fryer, With Submerger (11 44 19)</b>		
11 44 19 00-0030	EA		40 LB Capacity, 90,000 BTU, Natural Gas, Two Basket, Stainless Steel Floor Fryer (Avantco FF300) .....	1,194.11	126.95
11 44 19 00-0031	EA		50 LB Capacity, 120,000 BTU, Natural Gas, Two Basket, Stainless Steel Floor Fryer (Avantco FF400) .....	1,370.00	158.70
11 44 19 00-0032	EA		70 To 100 LB Capacity, 150,000 BTU, Natural Gas, Two Basket, Stainless Steel Tube Floor Fryer (Avantco FF518) .....	1,996.57	317.39
<b>11 44 19 00-0033</b>			<b>Steamers, Electric (11 44 19)</b>		
<b>11 44 19 00-0034</b>			<b>Cooking Equipment/ Steamers (11 44 19 00-0033)</b>		
11 44 19 00-0035	EA		3 Pan, Electric Countertop Convection Steamer.....	7,512.57	194.19
11 44 19 00-0036	EA		5 Pan, Electric Countertop Convection Steamer.....	9,888.83	203.43
11 44 19 00-0037	EA		3 Pan, Electric Countertop Boilerless/Connectionless Steamer.....	6,952.62	194.19
11 44 19 00-0038	EA		5 Pan, Electric Countertop Boilerless/Connectionless Steamer.....	10,130.61	203.43
<b>11 44 19 00-0039</b>			<b>Braising Pans (11 44 19)</b>		
11 44 19 00-0040	EA		24" x 24", 240 Volt, Tilting Braising Pan.....	7,894.30	190.00
11 44 19 00-0041	EA		24" x 31", 240 Volt, Tilting Braising Pan.....	8,330.50	199.81
11 44 19 00-0042	EA		24" x 41", 240 Volt, Tilting Braising Pan.....	8,872.62	212.78
11 44 19 00-0043	EA		24" x 24", 62,000 BTU/Hour, Tilting Braising Pan.....	10,291.18	247.77
11 44 19 00-0044	EA		24" x 31", 90,000 BTU/Hour, Tilting Braising Pan.....	10,641.59	255.41
11 44 19 00-0045	EA		24" x 41", 120,000 BTU/Hour, Tilting Braising Pan.....	11,054.86	262.17
<b>11 44 19 00-0046</b>			<b>Toasters (11 44 19)</b>		
11 44 19 00-0047	EA		Bun Toaster 3.2 KW.....	1,569.25	43.29
11 44 19 00-0048	EA		Bun Toaster 4.3 KW.....	1,712.58	47.18
11 44 19 00-0049	EA		Pop-Up Toaster, 2 Slot.....	533.76	100.14
11 44 19 00-0050	EA		Conveyor Toaster.....	917.63	150.27
<b>11 44 19 00-0051</b>			<b>Microwave Ovens (11 44 19)</b>		
11 44 19 00-0052	EA		120 Volt, 1,000 Watt, 20" Length x 18" Width x 12" Height, Office Series Microwave With Dial Controls (Galaxy MW1000PD).....	178.38	9.92
11 44 19 00-0053	EA		120 Volt, 1,000 Watt, 20" Length x 18" Width x 12" Height, Office Series Microwave With Push Button Controls (Galaxy MW1000PB).....	196.00	9.92
11 44 19 00-0054	EA		120 Volt, 1,000 Watt, 20" Length x 18" Width x 12" Height, Stainless Steel Commercial Microwave With Push Button Controls (Solwave MW1000SS).....	254.72	9.92
11 44 19 00-0055	EA		120 Volt, 1,000 Watt, 2 CF, 22" Length x 18" Width x 13-1/2" Height, Stackable Commercial Microwave With Dial Controls (Solwave MW112D).....	325.19	9.92
11 44 19 00-0056	EA		120 Volt, 1,000 Watt, 2 CF, 22" Length x 18" Width x 13 1/2" Height, Stackable Commercial Microwave With Dial Controls (Solwave MW112T).....	407.40	9.92
11 44 19 00-0057	EA		120 Volt, 1,000 Watt, 16-1/2" Length x 20" Width x 12-1/4" Height, Stainless Steel Commercial Microwave With Dial Controls (Solwave RMS10DS).....	254.72	9.92
11 44 19 00-0058	EA		120 Volt, 1,000 Watt, 16-1/2" Length x 20" Width x 12-1/4" Height, Stainless Steel Commercial Microwaves With Push Button Controls (Amana RMS10TS).....	297.59	9.92
11 44 19 00-0059	EA		120 Volt, 1,000 Watt, 19" Length x 22" Width x 13-3/4" Height, Medium Volume, Stainless Steel Commercial Microwave (Amana RCS10DSE).....	527.21	9.92
11 44 19 00-0060	EA		120 Volt, 1,000 Watt, 19" Length x 22" Width x 13-7/8" Height, Stackable, Commercial Microwave With Push Button Controls (Amana RCS10TS).....	643.48	9.92
11 44 19 00-0061	EA		120 Volt, 1,000 Watt, 21-5/8" Length x 16-1/2" Width x 13-1/2" Height, Stainless Steel, Heavy Duty Commercial Microwave With Push Button Controls (Amana HDC12A2).....	1,351.69	9.92
11 44 19 00-0062	EA		120 Volt, 1,000 Watt, 18-1/8" Length x 20-1/2" Width x 12-1/4" Height, Stainless Steel, Commercial Microwave With Manual Controls (Vollrath 40830).....	371.95	9.92
11 44 19 00-0063	EA		120 Volt, 1,000 Watt, 18-1/8" Length x 20-1/2" Width x 12-1/4" Height, Stainless Steel, Commercial Microwave With Digital Controls (Vollrath 40819).....	507.30	9.92
11 44 19 00-0064	EA		120 Volt, 1,000 Watt, 17" Length x 20" Width x 12-1/4" Height, Stainless Steel, Commercial Microwave With Push Button Controls (Waring WM090).....	389.80	9.92
11 44 19 00-0065	EA		120 Volt, 1,000 Watt, 16-9/16" Length x 20-1/8" Width x 13" Height, Stainless Steel, Commercial Microwave With Push Button Controls (Panasonic NE-1054F).....	342.82	9.92
11 44 19 00-0066	EA		120 Volt, 1,000 Watt, 16-3/8" Length x 20-1/8" Width x 12" Height, Stainless Steel Microwave With Programmable Memory Pads (Panasonic NE-1064F).....	664.62	9.92
11 44 19 00-0067	EA		120 Volt, 1,000 Watt, 16-9/16" Length x 20-1/8" Width x 13" Height, Stainless Steel Commercial Microwave With Dial Timer (Panasonic NE-1025).....	307.59	9.92
11 44 19 00-0068	EA		120 Volt, 1,200 Watt, 20-5/8" Length x 22-5/8" Width x 14-1/2" Height, Stainless Steel Commercial Microwave With Programmable Menu And Auto Cool Down (Solwave MW1200T).....	641.13	9.92
11 44 19 00-0069	EA		120 Volt, 1,200 Watt, 22-1/4" Length x 16-1/2" Width x 13-1/2" Height, 100 Programmable Menu Items, See-through Door, USB Port, Commercial Heavy Duty Stainless Steel Microwave (Solwave MWHD12).....	711.60	9.92

<b>Equipment</b>	<b>11</b>	<b>11</b>
<b>Foodservice Equipment</b>	<b>11 40</b>	<b>11</b>
<b>Food Cooking Equipment</b>	<b>11 44</b>	<b>11</b>

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 19 00-0070	EA	120 Volt, 1,200 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, 15 Integrated Power Levels, See-through Door, Stainless Steel, Commercial, Medium Duty, Microwave With 90 Programmable Menu Pads (Panasonic NE-12523) .....	1,194.31	9.92
11 44 19 00-0071	EA	120 Volt, 1,200 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, Programmable, 15 Power Levels, Stainless Steel, Commercial, Medium Duty, Microwave With Push Button Controls (Panasonic NE-12521) .....	1,108.57	9.92
11 44 19 00-0072	EA	120 Volt, 2,000 Watt, 21" Length x 21-3/4" Width x 14-3/8" Height, 4 Cooking Stages, 5 Power Levels, Stainless Steel, Commercial, Medium Duty, Microwave With Push Button Controls (Amana RFS12TS).....	1,304.71	9.92
11 44 19 00-0073	EA	208/230-240 Volt, 1,700 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, 3-Stage Cooking, See-through Door, Stainless Steel, Commercial Microwave With LCD Display (Panasonic NE-17521).....	1,222.50	9.92
11 44 19 00-0074	EA	208/230-240 Volt, 1,700 Watt, 20" Length x 16-5/8" Width x 13" Height, LCD Display With Digital Countdown, Stainless Steel, Commercial Microwave With 90 Programmable Memory Pads (Panasonic NE-17523) .....	1,372.83	9.92
11 44 19 00-0075	EA	208/230-240 Volt, 2,100 Watt, 20-3/4" Length x 25-9/16" Width x 18-9/16" Height, Sonic Steamer, Stainless Steel, Commercial Microwave With 8 Programmable Memory Pads (Panasonic NE-2180).....	3,703.57	9.92
11 44 19 00-0076	EA	208/230-240 Volt, 3,200 Watt, 20-3/4" Length x 25-9/16" Width x 18-5/8" Height, Sonic Steamer, See-through Door, Stainless Steel, Commercial Microwave With 3-stage Cook (Panasonic NE-3280) .....	4,908.57	9.92
11 44 19 00-0077	EA	208/230 Volt, 1,800 Watt, 20-1/4" Length x 21-3/4" Width x 14-1/4" Height, Stainless Steel, Commercial, Medium Duty Microwave With Push Button Controls (Amana RFS18TS).....	1,531.38	9.92
11 44 19 00-0078	EA	208/230 Volt, 2,200 Watt, 23-1/2" Length x 25-5/8" Width x 18-5/8" Height, Stainless Steel, Heavy Duty, 2 Pan Programmable Microwave (Amana AMSO22).....	4,776.44	9.92
11 44 19 00-0079	EA	208/230 Volt, 2,400 Watt, 19-3/16" Length x 13-5/8" Width x 17-5/8" Height, 11 Power Levels, Stainless Steel, Commercial, Heavy Duty Microwave With Push Button Controls (Amana AOC24).....	2,947.79	9.92
11 44 19 00-0080	EA	208/240 Volt, 22-1/4" Length x 16-1/2" Width x 13-1/2" Height, Space Saver, USB Port, Stainless Steel, Commercial, Heavy Duty Microwave (Solwave MWHD18) .....	793.82	9.92
11 44 19 00-0081	EA	208/240 Volt, 2,100 Watt, 1.2 CF, 20-5/8" Length x 22-5/8" Width x 14-1/2" Height, Large, Stainless Steel, Stackable, Commercial Microwave With Push Button Controls (Solwave MW2100T) .....	840.79	9.92
11 44 19 00-0082	EA	208/240 Volt, 2,100 Watt, 22-1/4" Length x 16-1/2" Width x 13-1/2" Height, 15 Power Levels, USB Port, Space Saver, Stainless Steel, Heavy Duty, Commercial Microwave With Push Button Controls (Solwave MWHD21).....	899.52	9.92
11 44 19 00-0083	EA	208/240 Volt, 1,700 Watt, 25-1/2" Length x 19-1/4" Width x 18-1/8" Height, See-through Door, Stainless Steel, Commercial, Heavy Duty Microwave With Push Button Controls (Amana RC17S2).....	2,165.60	9.92
11 44 19 00-0084	EA	208/240 Volt, 1,800 Watt, 1.2 CF, 20-5/8" Length x 22-5/8" Width x 14-1/2" Height, Large, Stainless Steel, Commercial Microwave With Push Button Controls (Solwave MW1800T).....	723.35	9.92
11 44 19 00-0085	EA	208/240 Volt, 1,800 Watt, 21-5/8" Length x 15-1/2" Width x 13-1/2" Height, Stainless Steel, Commercial, Heavy Duty Microwave With Push Button Controls (Amana HDC182).....	1,584.23	9.92
11 44 19 00-0086	EA	208/240 Volt, 1,800 Watt, 31-5/8" Length x 16-1/2" Width x 13-1/3" Height, Stainless Steel Commercial, Heavy Duty Microwave With Push Button Controls, Canadian Use Only (Amana HDC1815).....	1,594.80	9.92
11 44 19 00-0087	EA	208/240 Volt, 1,800 Watt, 20-3/4" Length x 22-3/5" Width x 14-1/2" Height, Stainless Steel, Commercial, Medium Duty Microwave With Push Button Controls (Waring WMO120) .....	1,487.93	9.92
11 44 19 00-0088	EA	208/240 Volt, 2,100 Watt, 21-5/8" Length x 15-1/2" Width x 13-1/2" Height, 100 Programmable Menu Items, 11 Integrated Power Levels, Stainless Steel, Commercial, Heavy Duty Microwave (Amana HDC212) .....	1,658.23	9.92
11 44 19 00-0089	EA	208/240 Volt, 2,100 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, 5 Cooking Stages, Half-size Pans, Stainless Steel, Commercial, Heavy Duty Microwave With Push Button Controls (Panasonic NE-21521) .....	1,499.67	9.92
11 44 19 00-0090	EA	208/240 Volt, 2,200 Watt, 25-1/2" Length x 19-1/4" Width x 18-1/8" Height, Stainless Steel, Commercial, Heavy Duty Microwave With Push Button Controls (Amana RC22S2).....	2,704.68	9.92
11 44 19 00-0091	EA	208/240 Volt, 2,200 Watt, 25-1/2" Length x 19-1/4" Width x 18-1/8" Height, Stainless Steel, Commercial, Heavy Duty Microwave With Push Button Controls (Amana RC30S2) .....	3,550.30	9.92
<b>11 44 19 00-0092</b>		<b>Ceramic Broiler On Storage Base With Doors <small>(11 44 19)</small></b>		
11 44 19 00-0093	EA	Standard Finish Ceramic Boiler On Storage Base With Doors.....	6,504.30	155.77
11 44 19 00-0094	EA	Stainless Steel Front Ceramic Boiler On Storage Base With Doors.....	6,504.30	155.77
11 44 19 00-0095	EA	Stainless Steel Front And Sides Ceramic Boiler On Storage Base With Doors.....	8,084.24	194.47
<b>11 44 19 00-0096</b>		<b>Gas Countertop Hot Plate <small>(11 44 19)</small></b>		
11 44 19 00-0097	EA	2 Burners Gas Countertop Hot Plate.....	829.23	19.84
<b>11 44 19 00-0098</b>		<b>Charbroilers <small>(11 44 19)</small></b>		
11 44 19 00-0099	EA	80,000 BTU, 26-13/16" Length x 24" Width x 16-5/16" Height, Gas Countertop Lava Briquette Charbroiler (Cooking Performance Group CBL24).....	1,187.56	79.34
11 44 19 00-0100	EA	40,000 BTU, 26-13/16" Length x 15" Width x 16-5/16" Height, Gas Countertop Radiant Charbroiler (Cooking Performance Group CBR15) .....	931.22	105.77
11 44 19 00-0101	EA	70,000 BTU, 27-1/2" Length x 24" Width x 15" Height, Gas Countertop Radiant Charbroiler (Avantco AG24RC) .....	639.64	79.34
11 44 19 00-0102	EA	80,000 BTU, 26-13/16" Length x 24" Width x 16-5/16" Height, Gas Countertop Radiant Charbroiler (Cooking Performance Group CBR24) .....	1,229.70	90.69
11 44 19 00-0103	EA	80,000 BTU, 26-13/16" Length x 24" Width x 41-5/16" Height, Radiant Charbroiler With Storage Base (Cooking Performance Group 24CBRSBBL) .....	2,104.91	90.69
11 44 19 00-0104	EA	105,000 BTU, 27-1/2" Length x 36" Width x 15" Height, Gas Countertop Radiant Charbroiler (Avantco AG36RC) .....	1,240.48	105.77
11 44 19 00-0105	EA	120,000 BTU, 26-13/16" Length x 36" Width x 16-5/16" Height, Gas Countertop Radiant Charbroiler (Cooking Performance Group CBR36) .....	1,629.46	105.77
11 44 19 00-0106	EA	120,000 BTU, 32-1/8" Length x 36-3/8" Width x 40-13/16" Height, Gas Radiant Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 36CBRRBNL) .....	4,025.10	126.95
11 44 19 00-0107	EA	120,000 BTU, 36-3/8" Length x 32-1/8" Width x 24-1/2" Height, Gas Lava Briquette Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 36CLRBNL).....	4,044.55	126.95
11 44 19 00-0108	EA	120,000 BTU, 26-13/16" Length x 36" Width x 41-5/16" Height, Gas Radiant Charbroiler With Cabinet Base (Cooking Performance Group 36CBRSBBL).....	2,485.22	105.77
11 44 19 00-0109	EA	140,000 BTU, 32-1/8" Length x 51-7/8" Width x 24-1/2" Height, Heavy-Duty Gas Griddle And Gas Lava Briquette Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 24GTCLBNL).....	5,814.42	126.95
11 44 19 00-0110	EA	140,000 BTU, 32-1/8" Length x 51-7/8" Width x 24-1/2" Height, Heavy-Duty Gas Griddle And Gas Radiant Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 24GTCRBNL) .....	5,794.97	126.95
11 44 19 00-0111	EA	140,000 BTU, 32-1/8" Length x 51-7/8" Width x 24 1/2" Height, Gas Griddle And Gas Radiant Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 24GMCRBNL).....	5,444.88	126.95
11 44 19 00-0112	EA	160,000 BTU, 26-13/16" Length x 48" Width x 16-5/16" Height, Gas Countertop Radiant Charbroiler (Cooking Performance Group CBR48) .....	2,182.56	158.70
11 44 19 00-0113	EA	160,000 BTU, 32-1/8" Length x 51-7/8" Width x 24-1/2" Height, Gas Radiant Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 48CBRRBNL) .....	4,594.25	158.70
11 44 19 00-0114	EA	200,000 BTU, 30-1/2" Length x 60" Width x 16-3/4" Height, Gas Radiant Charbroiler (Cooking Performance Group CBR60-NG(CPG)) .....	2,746.58	158.70

<b>11</b>	<b>11 Equipment</b>
	<b>11 40 Foodservice Equipment</b>
	<b>11 44 Food Cooking Equipment</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44	19 00-0115	EA	200,000 BTU, 30-1/2" Length x 60" Width x 16-3/4" Height, Gas Radiant Charbroiler With 4 Drawer Refrigerated Chef Base (Cooking Performance Group 60CBRRBNL) .....	5,761.19	158.70
<b>11 44</b>	<b>19 00-0116</b>		<b>Steam Jacketed Kettles</b> <small>(11 44 19)</small>		
11 44	19 00-0117	EA	12 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Tabletop Kettle (Cleveland KET-12-T) .....	9,863.37	19.84
11 44	19 00-0118	EA	12 Gallon Capacity, 208 Volt, 12 kW, Tilting, Stainless Steel Electric Steam Jacketed Kettle (Vulcan K12ETT-7) .....	8,772.14	19.84
11 44	19 00-0119	EA	3 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Tabletop Kettle (Cleveland KET-3-T) .....	6,975.45	19.84
11 44	19 00-0120	EA	6 Gallon Capacity, 208 Volt, 7.5 kW, Tilting, Stainless Steel Electric Steam Jacketed Kettle (Vulcan K6ETT-7) .....	7,272.69	19.84
11 44	19 00-0121	EA	60 Gallon Capacity, 208 Volt, 18 kW, 3 Phase, Stationary, Stainless Steel 2/3 Steam Jacketed Electric Kettle (Vulcan K60EL) .....	25,517.09	19.84
11 44	19 00-0122	EA	150 Gallon Capacity, 240 Volt, 36 kW, 3 Phase, Stationary, Stainless Steel Steam Jacketed Electric Kettle (Vulcan ET150-240/3) .....	44,980.98	79.34
11 44	19 00-0123	EA	100 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Mixer Kettle (Cleveland MKE100T 208/2403) .....	106,331.54	79.34
11 44	19 00-0124	EA	6 Gallon Capacity, 240 Volt, 24 kW, 3 Phase, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Kettle With Modular Generator Base (Cleveland 24EMK624 240/3) .....	23,403.45	79.34
11 44	19 00-0125	EA	6 Gallon Capacity, 208 Volt, 24 kW, 3 Phase, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Kettle With Modular Generator Base (Cleveland 24EMK624 208/3) .....	23,403.45	79.34
11 44	19 00-0126	EA	125 Gallon Capacity, 240 Volt, 36 kW, 3 Phase, Stationary, Stainless Steel Steam Jacketed Electric Kettle (Vulcan ET125-240/3) .....	42,875.15	79.34
11 44	19 00-0127	EA	20 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Kettle (Cleveland KET-20-T) .....	15,652.56	79.34
11 44	19 00-0128	EA	40 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel Full Steam Jacketed Electric Kettle (Cleveland KEL40TSH 208/2403) .....	34,507.30	79.34
11 44	19 00-0129	EA	20 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Mixer Kettle (Cleveland MKET20T 208/2403) .....	43,190.89	79.34
11 44	19 00-0130	EA	60 Gallon Capacity, 208/240 Volt, Stationary, Stainless Steel Full Steam Jacketed Electric Kettle (Cleveland KEL60SH 208/2403) .....	30,738.20	79.34
11 44	19 00-0131	EA	40 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Kettle (Cleveland KEL-40-T) .....	28,360.22	79.34
11 44	19 00-0132	EA	40 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Electric Mixer Kettle (Cleveland MKDL40T 208/2403) .....	87,491.34	79.34
11 44	19 00-0133	EA	60 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Electric Mixer Kettle (Cleveland MKDL60T 208/2403) .....	90,273.57	79.34
11 44	19 00-0134	EA	100 Gallon Capacity, 190,000 BTU, Liquid Propane, Stationary, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL100 LP) .....	42,114.35	158.70
11 44	19 00-0135	EA	60 Gallon Capacity, 100,000 BTU, Liquid Propane, Stationary, Stainless Steel 2/3 Steam Jacketed Kettle (Vulcan K60GL-LP) .....	29,377.63	158.70
11 44	19 00-0136	EA	40 Gallon Capacity, 140,000 BTU, Liquid Propane, Tilting, Stainless Steel Full Steam Jacketed Kettle (Cleveland KGL40TSH LP) .....	41,904.30	158.70
11 44	19 00-0137	EA	80 Gallon Capacity, 190,000 BTU, Liquid Propane, Stationary, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL80 LP) .....	34,825.84	158.70
11 44	19 00-0138	EA	40 Gallon Capacity, 100,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Vulcan K40GLT-LP) .....	36,086.17	158.70
11 44	19 00-0139	EA	6 Gallon Capacity, 34,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Tabletop Kettle (Cleveland KGT-6-T LP) .....	15,206.19	158.70
11 44	19 00-0140	EA	60 Gallon Capacity, 100,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Vulcan K60GLT-LP) .....	43,741.95	158.70
11 44	19 00-0141	EA	125 Gallon Capacity, 135,000 BTU, Liquid Propane, Stationary, Stainless Steel Steam Jacketed Gas Kettle (Vulcan GT125E-LP) .....	43,516.04	158.70
11 44	19 00-0142	EA	80 Gallon Capacity, 190,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL80T LP) .....	48,219.15	158.70
11 44	19 00-0143	EA	60 Gallon Capacity, 190,000 BTU, Liquid Propane, Stationary, Stainless Steel Full Steam Jacketed Kettle (Cleveland KGL60SH LP) .....	32,680.38	158.70
11 44	19 00-0144	EA	12 Gallon Capacity, 53,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Tabletop Kettle (Cleveland KGT12TGB LP) .....	19,942.33	158.70
11 44	19 00-0145	EA	40 Gallon Capacity, 140,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Mixer Kettle (Cleveland MKGL40T LP) .....	105,853.46	158.70
11 44	19 00-0146	EA	80 Gallon Capacity, 135,000 BTU, Liquid Propane, Stationary, Stainless Steel Steam Jacketed Gas Kettle (Cleveland GL80E-LP) .....	35,058.36	158.70
11 44	19 00-0147	EA	60 Gallon Capacity, 100,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Vulcan K60GLT-NAT) .....	43,741.95	158.70
11 44	19 00-0148	EA	60 Gallon Capacity, 190,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Horizontal Mixer Kettle (Cleveland HAMKG60T NAT) .....	101,596.88	158.70
11 44	19 00-0149	EA	25 Gallon Capacity, 90,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL-25-T NAT) .....	33,412.27	158.70
11 44	19 00-0150	EA	100 Gallon Capacity, 190,000 BTU, Natural Gas, Stationary, Stainless Steel 2/3 Steam Jacketed Horizontal Mixer Kettle (Cleveland HAMKGL100 NAT) .....	101,320.77	158.70
11 44	19 00-0151	EA	20 Gallon Capacity, 100,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Vulcan K20GLT-NAT) .....	34,555.02	158.70
11 44	19 00-0152	EA	100 Gallon Capacity, 190,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Horizontal Mixer Kettle (Cleveland HAMKGL100T NAT) .....	119,618.00	158.70
11 44	19 00-0153	EA	12 Gallon Capacity, 53,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Tabletop Kettle (Cleveland KGT-12-T NAT) .....	18,182.63	158.70
11 44	19 00-0154	EA	80 Gallon Capacity, 190,000 BTU, Natural Gas, Stationary, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL80 NAT) .....	34,825.84	158.70
11 44	19 00-0155	EA	60 Gallon Capacity, 135,000 BTU, Natural Gas, Stationary, Stainless Steel Steam Jacketed Gas Kettle (Cleveland GS60E-NAT) .....	34,634.28	158.70
11 44	19 00-0156	EA	40 Gallon Capacity, 140,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Mixer Kettle (Cleveland MKGL40T NAT) .....	101,890.16	158.70
11 44	19 00-0157	EA	6 Gallon Capacity, 34,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Tabletop Kettle (Cleveland KGT-6-T NAT) .....	15,206.19	158.70
11 44	19 00-0158	EA	100 Gallon Capacity, 190,000 BTU, Natural Gas, Stationary, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL100 NAT) .....	42,114.35	158.70
11 44	19 00-0159	EA	40 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Cleveland KDL-40-T) .....	14,574.70	158.70

MINOR	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 44 19 00-0160	EA	60 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Vulcan K60DLT).....	19,733.60	158.70
11 44 19 00-0161	EA	125 Gallon Capacity, Stationary, Stainless Steel Fully Jacketed Direct Steam Kettle (Vulcan ST125) .....	34,485.00	158.70
11 44 19 00-0162	EA	200 Gallon Capacity, Stationary, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Cleveland KDL200) .....	45,994.42	158.70
11 44 19 00-0163	EA	12 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle With Modular Stand (Cleveland SD760K12) .....	17,976.53	158.70
11 44 19 00-0164	EA	12 Gallon Capacity, 26" Table, Tilting, Stainless Steel Direct Steam Kettle (Cleveland VEKT26/6) .....	12,508.50	158.70
11 44 19 00-0165	EA	40 Gallon Capacity, Stationary, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Vulcan K40DL) .....	13,291.91	158.70
11 44 19 00-0166	EA	60 Gallon Capacity, Stationary, Stainless Steel Full Steam Jacketed Direct Steam Kettle (Cleveland KDL60SH).....	20,687.43	158.70
11 44 19 00-0167	EA	60 Gallon Capacity, Stationary, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Vulcan K60DL) .....	15,478.33	158.70
11 44 19 00-0168	EA	40 Gallon Capacity, Stationary, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Cleveland KDL40) .....	12,553.42	158.70
11 44 19 00-0169	EA	80 Gallon Capacity, Stationary, Stainless Steel Full Steam Jacketed Direct Steam Kettle (Cleveland KDL80F) .....	31,190.18	158.70
11 44 19 00-0170	EA	80 oz., Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Tabletop Oyster Kettle (Cleveland KDT-1-T) .....	6,800.03	158.70
11 44 19 00-0171	EA	40 Gallon Capacity, Stationary, Stainless Steel Full Steam Jacketed Direct Steam Kettle (Cleveland KDL40F) .....	21,980.79	158.70
11 44 19 00-0172	EA	12 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Tabletop Direct Steam Kettle (Cleveland KDT-12-T).....	9,499.03	158.70
11 44 19 00-0173	EA	100 Gallon Capacity, Stationary, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Cleveland KDL100) .....	23,740.49	158.70
11 44 19 00-0174	EA	60 Gallon Capacity, Stationary, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Cleveland KDL60) .....	14,883.84	158.70

**11 46 Food Dispensing Equipment (11 40)**

**11 46 13 Bar Equipment (11 46)**

**11 46 13 00-0001 Soft Serve Machines (11 46 13)**

11 46 13 00-0002	EA	Soft Serve Machines, Medium.....	11,539.63	109.30
11 46 13 00-0003	EA	Soft Serve Machines, Large.....	19,465.52	133.53

**11 46 13 00-0004 Salad Bars (11 46 13)**

11 46 13 00-0005	EA	96" Refrigerated Salad Bar With Light 54" Height.....	12,724.76	422.41
11 46 13 00-0006	EA	96" Refrigerated Salad Bar Without Light 54" Height.....	11,666.13	422.41
11 46 13 00-0007	EA	96" Iced Salad Bar Without Light 54" Height.....	8,213.54	232.08
11 46 13 00-0008	EA	79" Iced Salad Bar Without Light 54" Height.....	6,494.69	190.66
11 46 13 00-0009	EA	79" Refrigerated Salad Bar Without Light 54" Height.....	9,868.08	279.71
11 46 13 00-0010	EA	114" Iced Salad Bar 34" Height .....	10,879.19	247.77
11 46 13 00-0011	EA	Salad Bar Tray Fixed .....	1,455.00	41.96
11 46 13 00-0012	EA	Salad Bar Tray Hinged .....	1,548.08	41.96

**11 46 16 Service Line Equipment (11 46)**

**11 46 16 00-0001 Food Warmer Holding Station (11 46 16)**

11 46 16 00-0002	EA	Food Warmer Station And Heat Lamp.....	579.80	15.98
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**11 46 16 00-0003 Reach-In Food Warmers (11 46 16)**

11 46 16 00-0004	EA	One Drawer, 16 Roll Capacity Food Warmer.....	1,247.69	34.40
11 46 16 00-0005	EA	Three Drawer, 36 Roll Capacity Food Warmer .....	2,855.28	78.80

**11 46 16 00-0006 Countertop Food Warmer (11 46 16)**

11 46 16 00-0007	EA	12" x 20", 1500 Watt, 120 Voltage, Full Size Electric Countertop Food Cooker / Warmer (Avantco W50CKR).....	163.68	27.64
11 46 16 00-0008	EA	12" x 20", 1200 Watt, 120 Voltage, Full Size Electric Countertop Food Warmer (Avantco W50).....	143.83	27.64
11 46 16 00-0009	EA	12" x 20", 1200 Watt, 120 Voltage, Full Size Electric Countertop Food Warmer / Topping Station With 1 Condiment Pump And (1) 7 Quart Inset With Lid And Ladle (Avantco WK12007PL) .....	434.73	27.64
11 46 16 00-0010	EA	12" x 20", 1200 Watt, 120 Voltage, Full Size Electric Countertop Food Warmer / Soup Station With 3 Insets, 3 Covers, And 3 (3 Ounce) Ladles (Avantco WK12004X3).....	301.15	27.64

**11 46 16 00-0011 Hot Cabinets With Top Wells Electric (11 46 16)**

11 46 16 00-0012	EA	2 Wells, 2 Compartments Hot Cabinet With Top Wells, Electric.....	6,650.49	155.77
11 46 16 00-0013	EA	3 Wells, 3 Compartments Hot Cabinet With Top Wells, Electric.....	9,501.91	223.25

**11 46 16 00-0014 Portable Hot Food Units (11 46 16)**

11 46 16 00-0015	EA	46" Wide x 28" Deep x 34" Height, Three Well, Stainless Steel Hot Food Station (Vollrath Model 37030).....	4,966.39	
11 46 16 00-0016	EA	60" Wide x 28" Deep x 34" Height, Four Well, Stainless Steel Hot Food Station (Vollrath Model 37040).....	5,687.64	
11 46 16 00-0017	EA	74" Wide x 28" Deep x 34" Height, Five Well, Stainless Steel Hot Food Station (Vollrath Model 37050).....	6,428.99	

**11 46 16 00-0018 Stationary Hot Food Units (11 46 16)**

11 46 16 00-0019	EA	46" Wide x 29-1/2" Deep x 34" Height, Three Well, Stainless Steel Hot Food Station (Vollrath Model 38203) .....	1,503.44	31.73
11 46 16 00-0020	EA	61-1/4" Wide x 29-1/2" Deep x 34" Height, Four Well, Stainless Steel Hot Food Station (Vollrath Model 38204) .....	2,017.31	36.52
11 46 16 00-0021	EA	76" Wide x 29-1/2" Deep x 34" Height, Five Well, Stainless Steel Hot Food Station (Vollrath Model 38205).....	2,511.96	46.77

**11 46 16 00-0022 Serving Counters (11 46 16)**

11 46 16 00-0023	LF	11" Deep, Tray Slide With 3 Raised Reinforced Ribs And Backing Plate, 316 Stainless Steel Solid Surface, Straight Section .....	108.05	37.73
11 46 16 00-0024	LF	11" Deep, Tray Slide With 3 Raised Reinforced Ribs And Backing Plate, 316 Stainless Steel Solid Surface, Curved Section.....	138.55	57.79

**11 46 16 00-0025 Drop-In Equipment (11 46 16)**

**11 Equipment**  
**11 40 Foodservice Equipment**  
**11 46 Food Dispensing Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 16 00-0026	EA		Hot Food Well, Rectangular .....	505.49	120.21
11 46 16 00-0027	EA		Hot Food Well, Circular .....	464.08	120.21
11 46 16 00-0028	EA		Refrigerated Well, 2 Compartment .....	1,734.61	120.21
11 46 16 00-0029	EA		Refrigerated Well, 3 Compartment .....	1,970.51	133.53
11 46 16 00-0030	EA		Refrigerated Well, 4 Compartment .....	2,238.70	150.27
11 46 16 00-0031	EA		Frost Cold Plate .....	1,944.49	133.53
<b>11 46 16 00-0032</b>			<b>Beverage Dispensing (11 46 16)</b>		
11 46 16 00-0033	EA		Coffee Urn, Twin 3 Gallon .....	3,176.74	195.79
11 46 16 00-0034	EA		Coffee Urn, Twin 6 Gallon .....	4,524.05	274.06
11 46 16 00-0035	EA		Coffee Brewer, 5 Burner .....	1,323.38	195.79
11 46 16 00-0036	EA		Hot Chocolate Dispenser .....	1,285.35	161.26
11 46 16 00-0037	EA		Iced Tea Brewer .....	1,875.53	161.26
11 46 16 00-0038	EA		Juice Dispenser (Concentrate) .....	1,362.12	266.88
11 46 16 00-0039	EA		Jet Spray Dispenser .....	1,932.08	267.15
11 46 16 00-0040	EA		Milk Dispenser, Bulk, 2 Flavor .....	1,621.70	150.27
11 46 16 00-0041	EA		Milk Dispenser, Bulk, 3 Flavor .....	2,211.88	150.27
<b>11 46 16 00-0042</b>			<b>Dish Dispensers (11 46 16)</b>		
11 46 16 00-0043	EA		Heated Plate Lift, Adjustable Plate Storage And Transport (Adcraft ADC-LR-2) .....	1,590.80	27.64
11 46 16 00-0044	EA		12" Diameter, Drop-in, Dish Dispenser .....	648.92	28.32
11 46 16 00-0045	EA		Drop-in, Cup And Glass Dispenser .....	1,103.86	88.07
11 46 16 00-0046	EA		Drop-in, Disposable Cup Dispenser .....	402.06	19.84
<b>11 46 16 00-0047</b>			<b>Tray And Silver Dispensers (11 46 16)</b>		
11 46 16 00-0048	EA		Tray And Silver Dispensers Mobile .....	2,537.05	19.84
<b>11 46 16 00-0049</b>			<b>Condiment Dispensers (11 46 16)</b>		
11 46 16 00-0050	EA		Butter Pat Dispenser .....	146.92	24.83
11 46 16 00-0051	EA		Bread Dispenser, Counter Top .....	418.19	24.83
<b>11 46 16 00-0052</b>			<b>Sandwich Rack Warmer (11 46 16)</b>		
11 46 16 00-0053	EA		18 Compartment, 2 Tier Sandwich Rack Warmer .....	3,208.30	127.53
<b>11 46 16 00-0054</b>			<b>Mobile Bread Counter (11 46 16)</b>		
11 46 16 00-0055	EA		Mobile Bread And Roll Counter .....	7,362.94	286.70
<b>11 46 16 00-0056</b>			<b>Open Service Stand (11 46 16)</b>		
11 46 16 00-0057	EA		6' Open Service Stand .....	2,828.84	97.56
11 46 16 00-0058	LF		Each Additional Foot Over 6 Foot Add .....	386.99	13.19
<b>11 46 16 00-0059</b>			<b>Mobile Serving Stand Unit (11 46 16)</b>		
11 46 16 00-0060	EA		36" Mobile Serving Stand Unit .....	2,471.50	93.31
11 46 16 00-0061	EA		96" Mobile Serving Stand Unit .....	4,060.98	139.86
<b>11 46 16 00-0062</b>			<b>Reach-In Heated Cabinets (11 46 16)</b>		
11 46 16 00-0063	EA		Heated Cabinet, Reach-in, 1 Compartment .....	4,967.54	154.15
11 46 16 00-0064	EA		Heated Cabinet, Reach-in, 2 Compartment .....	7,159.29	193.92
11 46 16 00-0065	EA		Heated Cabinet, 1 Compartment, Pass-Through Roll-In .....	5,200.50	154.15
11 46 16 00-0066	EA		Heated Cabinet, Pass-Through, Roll-In 2 Compartment .....	7,497.87	193.92
<b>11 46 16 00-0067</b>			<b>Mobile Heated Cabinets (11 46 16)</b>		
11 46 16 00-0068	EA		Mobile, Heated Cabinet .....	5,586.79	49.59
<b>11 46 16 00-0069</b>			<b>Smoothie Machine (11 46 16)</b>		
11 46 16 00-0070	EA		Smoothie Machines 3-1/2 HP Commercial Blender With Toggle Control And Two 64 Ounce Polycarbonate Containers (Avamix BX2000T2J) .....	393.22	27.64
11 46 16 00-0071	EA		Smoothie Machines 3-1/2 HP Commercial Blender With Toggle Control And One 64 Ounce Polycarbonate Container (Avamix BX2000T) .....	344.41	27.64
11 46 16 00-0072	EA		Smoothie Machines 3-1/2 HP Commercial Blender With Toggle Control, Adjustable Speed, And Two 64 Ounce Polycarbonate Containers (Avamix BX2000V2J) .....	418.25	27.64
11 46 16 00-0073	EA		Smoothie Machines 3-1/2 HP Commercial Blender With Touchpad Control, Adjustable Speed, And Two 64 Ounce Polycarbonate Containers (Avamix BX2100E2J) .....	430.77	27.64
11 46 16 00-0074	EA		Smoothie Machines 2 HP Commercial Blender With Toggle Control And 64 Ounce Polycarbonate Container (Avamix BL2T64) .....	226.45	27.64
<b>11 46 16 00-0075</b>			<b>Refrigerated Buffet Display Table (11 46 16)</b>		
11 46 16 00-0076	EA		35" Stainless Steel Refrigerated Buffet Display Table, Cooling Serving Stations (Turbo Air JBT-36-N) .....	2,766.66	27.64
11 46 16 00-0077	EA		47" Stainless Steel Refrigerated Buffet Display Table, Cooling Serving Stations (Turbo Air JBT-48-N) .....	3,662.18	27.64
11 46 16 00-0078	EA		59" Stainless Steel Refrigerated Buffet Display Table, Cooling Serving Stations (Turbo Air JBT-60-N) .....	4,229.48	27.64
11 46 16 00-0079	EA		71" Stainless Steel Refrigerated Buffet Display Table, Cooling Serving Stations (Turbo Air JBT-72-N) .....	4,951.64	27.64

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 46 16 00-0080		<b>Refrigerated Bakery Display Case <sup>(11 46 16)</sup></b>		
11 46 16 00-0081	EA	26-1/2" Length x 36" Width x 48" Height, 36" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Avantco BC36HCW).....	2,860.11	19.84
11 46 16 00-0082	EA	26-1/2" Length x 47-7/8" Width x 48" Height, 48" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Avantco BC48HCB).....	3,283.37	19.84
11 46 16 00-0083	EA	26-1/2" Length x 59-2/3" Width x 48" Height, 48" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Avantco BC48HCW).....	3,289.00	22.69
11 46 16 00-0084	EA	26-1/2" Length x 59-2/3" Width x 48" Height, 60" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Avantco BC60HCB).....	3,571.17	22.69
11 46 16 00-0085	EA	26-1/2" Length x 59-2/3" Width x 48" Height, 60" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Avantco BC60HCW).....	3,571.17	22.69
11 46 16 00-0086	EA	26-1/2" Length x 71-1/2" Width x 48" Height, 72" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Avantco BC72HCB).....	4,584.42	22.69
11 46 16 00-0087	EA	26-1/2" Length x 72-1/2" Width x 48" Height, 72" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Bakery Display Case, White (Avantco 193BC72HCW).....	4,584.42	22.69
11 46 16 00-0088	EA	27-1/2" Length x 35-3/8" Width x 44-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, 36 To 43 Degrees Fahrenheit Temperature Range, Refrigerant R-290, Full Service Two Tier Refrigerated Bakery Display Case, White (Turbo Air TBP3646NW).....	5,773.94	26.42
11 46 16 00-0089	EA	27-1/2" Length x 35-3/8" Width x 44-3/8" Height, 35-1/2" Square Glass, 1 Shelf, 2 Doors, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, Black (Turbo Air TBP3646FN).....	7,347.64	26.42
11 46 16 00-0090	EA	27-1/2" Length x 35-3/8" Width x 44-3/8" Height, 35-1/2" Square Glass, 1 Shelf, Two Doors, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP3646NN).....	5,773.94	26.42
11 46 16 00-0091	EA	27-1/2" Length x 35-3/8" Width x 44-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP3646FW).....	7,347.64	26.42
11 46 16 00-0092	EA	27-1/2" Length x 35-3/8" Width x 52-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Three Tier Refrigerated Bakery Display Case, White (Turbo Air TBP3654NW).....	6,117.94	26.42
11 46 16 00-0093	EA	27-1/2" Length x 35-3/8" Width x 52-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP3654F).....	6,117.94	26.42
11 46 16 00-0094	EA	27-1/2" Length x 35-3/8" Width x 52-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP3654NN).....	6,117.94	26.42
11 46 16 00-0095	EA	27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP4846NN).....	6,504.13	26.42
11 46 16 00-0096	EA	27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP4846FW).....	8,278.71	26.42
11 46 16 00-0097	EA	27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, White (Turbo Air TBP4846NW).....	6,504.13	26.42
11 46 16 00-0098	EA	27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Drop-In Refrigerated Bakery Display Case (Turbo Air TBP4846FD).....	7,794.73	26.42
11 46 16 00-0099	EA	27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Black Refrigerated Bakery Display Case With Lift-Up Front Glass (Turbo Air TBP4846FN).....	8,278.71	26.42
11 46 16 00-0100	EA	27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP4854FW).....	8,771.57	26.42
11 46 16 00-0101	EA	27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case, White (Turbo Air TBP4854NW).....	6,891.23	26.42
11 46 16 00-0102	EA	27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Drop-In Refrigerated Bakery Display Case (Turbo Air TBP4854FD).....	8,258.71	26.42
11 46 16 00-0103	EA	27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Black Refrigerated Bakery Display Case With Lift-Up Front Glass (Turbo Air TBP4854FN).....	8,771.57	26.42
11 46 16 00-0104	EA	27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP4854NN).....	6,891.23	26.42
11 46 16 00-0105	EA	27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP6046FW).....	9,076.88	26.42
11 46 16 00-0106	EA	27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Two Tier Drop-In Refrigerated Bakery Display Case (Turbo Air TBP6046FD).....	8,546.25	26.42
11 46 16 00-0107	EA	27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, Black (Turbo Air TBP6046FN).....	9,076.88	26.42
11 46 16 00-0108	EA	27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP6046NN).....	9,076.88	26.42
11 46 16 00-0109	EA	27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP6054FD).....	9,055.55	26.42
11 46 16 00-0110	EA	27-1/2" Length x 59" Width x 52-3/8" Height, 36" Curved Glass, 2 Shelves, 2 Doors, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Avantco 193BC36HCB).....	2,878.12	28.88
11 46 16 00-0111	EA	27-1/2" Length x 59" Width x 52-3/8" Height, 59" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP6054FW).....	9,622.95	28.88
11 46 16 00-0112	EA	27-1/2" Length x 59" Width x 52-3/8" Height, 59" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case, White (Turbo Air TBP6054NW).....	7,559.95	28.88
11 46 16 00-0113	EA	27-1/2" Length x 35-3/8" Width x 52-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP3654FW).....	7,786.29	26.42
11 46 16 00-0114	EA	34-1/4" Length x 36-1/2" Width x 50-1/8" Height, 36" Curved Glass, 2 Shelves, R-290 Refrigerant, Full Service Dry Refrigerated Bakery Display Case, White (Turbo Air TCGB36RWN).....	2,375.56	28.88
11 46 16 00-0115	EA	34-1/4" Length x 36-1/2" Width x 50-1/8" Height, 36" Flat Glass, 2 Shelves, R-290 Refrigerant, Open, Full Service Refrigerated Bakery Display Case, Black (Turbo Air TCGB36FBN).....	9,941.15	28.88
11 46 16 00-0116	EA	34-1/4" Length x 36-1/2" Width x 50-1/8" Height, 36" Flat Glass, 2 Shelves, R-290 Refrigerant, Open, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB36FVN).....	9,941.15	28.88
11 46 16 00-0117	EA	34-1/4" Length x 36-1/2" Width x 50-1/8" Height, 36" Curved Glass, 2 Shelves, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB36WVN).....	9,941.15	28.88
11 46 16 00-0118	EA	34-1/4" Length x 48-1/2" Width x 50-1/8" Height, 48" Curved Glass, 2 Shelves, R-290 Refrigerant, Full Service Refrigerated Dry Bakery Display Case, White (Turbo Air TCGB48DWN).....	5,445.32	28.88

11 Equipment  
11 40 Foodservice Equipment  
11 46 Food Dispensing Equipment

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
11 46 16 00-0119	EA	34-1/4" Length x 48-1/2" Width x 50-1/8" Height, 48" Flat Glass, 2 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Open, Refrigerated Bakery Display Case, Black (Turbo Air TCGB48FBN).....	11,975.71		28.88
11 46 16 00-0120	EA	34-1/4" Length x 48-1/2" Width x 50-1/8" Height, 48" Flat Glass, 2 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB48FWN).....	11,975.71		28.88
11 46 16 00-0121	EA	34-1/4" Length x 48-1/2" Width x 50-1/8" Height, 48" Curved Glass, 2 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB482WN).....	11,975.71		28.88
11 46 16 00-0122	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Curved Glass, 2 Shelves, R-290 Refrigerant, Full Service Refrigerated Dry Bakery Display Case, White (Turbo Air TCGB60DWN).....	6,260.22		28.88
11 46 16 00-0123	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Flat Glass, 2 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Turbo Air TCGB60FBN).....	12,164.59		28.88
11 46 16 00-0124	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Flat Glass, 2 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Open, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB60FWN).....	12,420.02		28.88
11 46 16 00-0125	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Curved Glass, 4 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Dry Refrigerated Bakery Display Case, White (Turbo Air TCGB602WN).....	12,420.02		28.88
11 46 16 00-0126	EA	34-1/4" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 2 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB722WN).....	12,717.91		31.73
<b>11 46 16 00-0127</b>		<b>Dry Bakery Display Case <small>(11 46 16)</small></b>			
11 46 16 00-0128	EA	26-1/2" Length x 36" Width x 48" Height, 36" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, Black (Avantco BCD36B).....	1,688.49		19.84
11 46 16 00-0129	EA	26-1/2" Length x 36" Width x 48" Height, 36" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Avantco BCD36W).....	1,688.49		19.84
11 46 16 00-0130	EA	26-1/2" Length x 47.8" Width x 48" Height, 48" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, Black (Avantco BCD48B).....	1,871.79		19.84
11 46 16 00-0131	EA	26-1/2" Length x 47.8" Width x 48" Height, 48" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Avantco BCD48W).....	1,871.79		19.84
11 46 16 00-0132	EA	26-1/2" Length x 59-2/3" Width x 48" Height, 60" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, Black (Avantco BCD60B).....	2,152.38		22.69
11 46 16 00-0133	EA	26-1/2" Length x 59-2/3" Width x 48" Height, 60" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Avantco BCD60W).....	2,564.81		22.69
11 46 16 00-0134	EA	26-1/2" Length x 71-1/2" Width x 48" Height, 72" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, Black (Avantco BCD72B).....	2,509.82		22.69
11 46 16 00-0135	EA	26-1/2" Length x 71-1/2" Width x 48" Height, 72" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Avantco BCD72W).....	2,509.82		22.69
11 46 16 00-0136	EA	27-1/2" Length x 36-3/8" Width x 44-3/8" Height, 73-11/16" Curved Glass, 1 Shelf, 2 Doors, Full Service Dry Bakery Display Case, Black (Beverage-Air TBP3646FN).....	5,265.58		26.42
11 46 16 00-0137	EA	27-1/2" Length x 36-3/8" Width x 44-3/8" Height, 73-11/16" Curved Glass, 1 Shelf, 2 Doors, Full Service Dry Bakery Display Case, White (Beverage-Air TBP3646FW).....	10,478.24		26.42
11 46 16 00-0138	EA	34-1/4" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Turbo Air TCGB72DWN).....	9,450.52		31.73
11 46 16 00-0139	EA	35-3/4" Length x 37-1/4" Width x 48-9/16" Height, 37-1/4" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Beverage-Air CDR3HCWD).....	5,105.87		28.88
11 46 16 00-0140	EA	35-3/4" Length x 36-1/4" Width x 48-9/16" Height, 37-1/4" Curved Glass, 2 Shelves, 2 Doors, Dry Bakery Display Case, Black (Beverage-Air CDR3HCBD).....	5,105.87		28.88
11 46 16 00-0141	EA	35-3/4" Length x 49-1/4" Width x 48-9/16" Height, 49-1/4" Curved Glass, 2 Shelves, 2 Doors, Full Service Dry Bakery Display Case, Black (Beverage-Air CDR4HCBD).....	5,105.87		28.88
11 46 16 00-0142	EA	35-3/4" Length x 49-1/4" Width x 48-9/16" Height, 49-1/4" Curved Glass, 2 Doors, 2 Shelves, Dry Bakery Display Case, White (Beverage-Air CDR4HCWD).....	5,105.87		28.88
11 46 16 00-0143	EA	35-3/4" Length x 60-1/4" Width x 48-9/16" Height, 60-1/4" Curved Glass, 2 Shelves, 2 Doors, Dry Bakery Display Case, Black (Beverage-Air CDR5HCBD).....	5,310.71		28.88
11 46 16 00-0144	EA	35-3/4" Length x 60-1/4" Width x 48-9/16" Height, 60-1/4" Curved Glass, 2 Shelves, 2 Doors, Full Service Dry Bakery Display Case, White (Beverage-Air CDR5HCWD).....	5,310.71		28.88
11 46 16 00-0145	EA	35-3/4" Length x 73-11/16" Width x 48-9/16" Height, 73-11/16" Curved Glass, 2 Shelves, 2 Doors, Full Service Dry Bakery Display Case, Black (Beverage-Air CDR6HCBD).....	5,741.77		31.73
11 46 16 00-0146	EA	35-3/4" Length x 73-11/16" Width x 48-9/16" Height, 73-11/16" Curved Glass, 2 Shelves, 2 Doors, Full Service Dry Bakery Display Case, White (Beverage-Air CDR6HCWD).....	5,741.77		31.73
<b>11 46 16 00-0147</b>		<b>Dual Dry/Refrigerated Bakery Display Case <small>(11 46 16)</small></b>			
11 46 16 00-0148	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Flat Glass, 4 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Dual Dry/Refrigerated Bakery Display Case, Black (Turbo Air TCGB60UFCBON).....	13,482.82		28.88
11 46 16 00-0149	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Flat Glass, 4 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Dual Dry/Refrigerated Bakery Display Case, White (Turbo Air TCGB60UFCOWN).....	13,482.82		28.88
11 46 16 00-0150	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Curved Glass, 4 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, Refrigerant R-290, Full Service Dual Dry/Refrigerated Bakery Display Case, White (Turbo Air TCGB60COWN).....	13,482.82		28.88
11 46 16 00-0151	EA	34-1/4" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 2 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Dual Dry/Refrigerated Bakery Display Case, White (Turbo Air TCGB72UFCOWN).....	13,488.61		31.73
11 46 16 00-0152	EA	34-1/4" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 4 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Dual Dry/Refrigerated Bakery Display Case, White (Turbo Air TCGB72COWN).....	13,845.30		31.73
<b>11 46 16 00-0153</b>		<b>Refrigerated Deli Case <small>(11 46 16)</small></b>			
11 46 16 00-0154	EA	30" Length x 72-1/2" Width x 41-7/8" Height, 72" Low Profile Curved Glass, 1 Shelf, Sliding Door, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Turbo Air TCDD72LWN).....	10,244.48		105.77



<b>Equipment</b>	<b>11</b>
Foodservice Equipment	11 40
Food Dispensing Equipment	11 46

MINOR	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 46 16 00-0155	EA	30" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 2 Shelves, Sliding Door, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Turbo Air TCDD72HWN) .....	10,244.48	105.77
11 46 16 00-0156	EA	30" Length x 96-1/2" Width x 41-7/8" Height, 96" Low Profile Curved Glass, 1 Shelf, Sliding Door, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Turbo Air TCDD96LWN) .....	11,746.16	105.77
11 46 16 00-0157	EA	30" Length x 96-1/2" Width x 5-1/8" Height, 96" Curved Glass, 1 Shelf, Sliding Door, 33 To 41 Degree Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Turbo Air TCDD96HWN) .....	11,746.16	105.77
11 46 16 00-0158	EA	32-1/2" Length x 36-1/4" Width x 42-7/8" Height, 36" Curved Glass, 4 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, Black (Avantco DLC36HCB).....	2,380.83	63.48
11 46 16 00-0159	EA	32-1/2" Length x 36-1/4" Width x 42-7/8" Height, 36" Curved Glass, 4 Shelves, 2 Doors, Sliding Doors, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Stainless Steel Refrigerated Deli Case (Avantco DLC36HCS).....	2,593.99	63.48
11 46 16 00-0160	EA	32-1/2" Length x 36-1/4" Width x 42-7/8" Height, 36" Curved Glass, 4 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Avantco DLC36HCW).....	2,380.83	63.48
11 46 16 00-0161	EA	32-1/2" Length x 47-1/4" Width x 42-7/8" Height, 47" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, Black (Avantco DLC47HCB).....	2,693.05	79.34
11 46 16 00-0162	EA	32-1/2" Length x 47-1/4" Width x 42-7/8" Height, 47" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Stainless Steel Refrigerated Deli Case (Avantco DLC47HCS).....	2,928.65	79.34
11 46 16 00-0163	EA	32-1/2" Length x 64-1/3" Width x 42-7/8" Height, 64" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Avantco DLC64HCW).....	3,149.85	105.77
11 46 16 00-0164	EA	32-1/2" Length x 64-1/4" Width x 42-7/8" Height, 64" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, Black (Avantco DLC64HCB).....	3,149.85	105.77
11 46 16 00-0165	EA	32-1/2" Length x 64-1/4" Width x 42-7/8" Height, 64" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Stainless Steel Refrigerated Deli Case (Avantco DLC64HCS).....	3,564.95	105.77
11 46 16 00-0166	EA	32-1/2" Length x 64-1/4" Width x 42-7/8" Height, 47" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Avantco DLC47HCW).....	2,745.97	105.77
11 46 16 00-0167	EA	32-1/2" Length x 82" Width x 42-7/8" Height, 82" Curved Glass, 9 Shelves, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, Black (Avantco DLC82HCB) .....	3,441.54	105.77
11 46 16 00-0168	EA	32-1/2" Length x 82" Width x 42-7/8" Height, 82" Curved Glass, 9 Shelves, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Avantco DLC82HCW).....	3,441.54	105.77
11 46 16 00-0169	EA	32-1/2" Length x 82" Width x 42-7/8" Height, 82" Curved Glass, 9 Shelves, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Stainless Steel Refrigerated Deli Case (Avantco DLC82HCS).....	3,789.33	105.77

#### 11 46 19 Soda Fountain Equipment (11 46)

11 46 19 00-0001	Carbonated Beverage Dispensing <small>(11 46 19)</small>			
11 46 19 00-0002	EA	Carbonated Beverage Dispenser .....	3,462.02	375.71
11 46 19 00-0003	EA	Carbonated Beverage Dispenser With 90 LB Ice .....	5,503.46	429.34
11 46 19 00-0004	EA	Carbonated Beverage Dispenser With 150 LB Ice .....	10,131.42	601.06

#### 11 46 19 00-0005 Beverage Chilling Systems (11 46 19)

11 46 19 00-0006	EA	Beverage Chiller, Small .....	7,520.65	336.48
11 46 19 00-0007	EA	Beverage Chiller, Large .....	14,081.49	504.77

#### 11 46 83 Ice Machines (11 46)

11 46 83 00-0001	Undercounter Ice Machines With Bin <small>(11 46 83)</small>			
11 46 83 00-0002	EA	53 LB/Day, Air Cooled Undercounter Octagonal Cube Ice Machine With 25 LB Capacity Bin (Manitowoc SM-50A 115/60/1) .....	2,113.56	19.84
11 46 83 00-0003	EA	85 LB/Day, Air Cooled Undercounter Pearl/Nugget Ice Machine With 22 LB Capacity Bin (Ice-O-Matic GEMU090).....	3,399.81	161.82
11 46 83 00-0004	EA	137 LB/Day, Air Cooled Undercounter Half Dice Cube Ice Machine With 90 LB Capacity Bin (Manitowoc UYF0140A).....	2,591.47	161.82
11 46 83 00-0005	EA	100 LB/Day, Undercounter, Air Cooled Ice Machine With 57 LB Capacity Bin (Scotsman CU0920MA) .....	2,529.65	161.82
11 46 83 00-0006	EA	227 LB/Day, Undercounter, Air Cooled Ice Machine With 80 Lb Capacity Bin (Scotsman UC2024SA) .....	2,724.89	173.39
11 46 83 00-0007	EA	282 LB/Day, Undercounter, Air Cooled Ice Machine With 80 Lb Capacity Bin (Scotsman UC2724SA) .....	3,047.31	173.39

#### 11 46 83 00-0008 Ice Cube Maker (11 46 83)

11 46 83 00-0009	EA	320 LB/Day, Modular Ice Maker Without Bin .....	3,337.30	173.39
11 46 83 00-0010	EA	451 LB/Day, Modular Ice Maker Without Bin .....	3,626.43	184.95
11 46 83 00-0011	EA	600 LB/Day, Modular Ice Maker Without Bin .....	4,150.78	184.95
11 46 83 00-0012	EA	901 LB/Day, Modular Ice Maker Without Bin .....	5,931.82	196.50
11 46 83 00-0013	EA	1301 LB/Day, Modular Ice Maker Without Bin .....	6,730.07	196.50
11 46 83 00-0014	EA	1601 LB/Day, Modular Ice Maker Without Bin.....	8,112.19	208.06
11 46 83 00-0015	EA	1900 LB/Day, Modular Ice Maker Without Bin .....	8,960.50	208.06

#### 11 46 83 00-0016 Ice Flakers (11 46 83)

11 46 83 00-0017	EA	300 LB/Day, Ice Flakers .....	5,706.65	548.35
11 46 83 00-0018	EA	600 LB/Day, Ice Flakers .....	10,338.13	877.37
11 46 83 00-0019	EA	1,000 LB/Day, Ice Flakers.....	12,779.48	1,206.39
11 46 83 00-0020	EA	2,000 LB/Day, Ice Flakers.....	15,614.87	1,316.06

#### 11 46 83 00-0021 Ice Storage Bins (11 46 83)

11	<b>11 Equipment</b>
	<b>11 40 Foodservice Equipment</b>
	<b>11 46 Food Dispensing Equipment</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 46 83 00-0022	EA		260 LB Capacity, Stainless Steel Ice Storage Bin.....	1,334.56	119.02
11 46 83 00-0023	EA		360 LB Capacity, Stainless Steel Ice Storage Bin.....	1,462.73	119.02
11 46 83 00-0024	EA		550 LB Capacity, Stainless Steel Ice Storage Bin.....	1,824.34	128.94
11 46 83 00-0025	EA		660 LB Capacity, Stainless Steel Ice Storage Bin.....	1,966.75	128.94
11 46 83 00-0026	EA		1150 LB Capacity, Stainless Steel Ice Storage Bin.....	3,766.68	138.86

**11 48 Foodservice Cleaning and Disposal Equipment (11 40)**

**11 48 13 Commercial Dishwashers (11 48)**

**11 48 13 00-0001 Sprays And Hoses (11 48 13)**

**11 48 13 00-0002 Sprays, Fillers (11 48 13 00-0001)**

11 48 13 00-0003	EA		Pre-Rinse Spray.....	418.73	79.90
11 48 13 00-0004	EA		Kettle Fillers.....	366.96	79.90

**11 48 13 00-0005 Hoses (11 48 13 00-0001)**

11 48 13 00-0006	EA		Hose Reel.....	502.48	95.92
11 48 13 00-0007	EA		Wash-Down Hose.....	398.94	95.92
11 48 13 00-0008	EA		Hose Reel And Spray System With Accessories (Chicago 535NF).....	1,263.63	

**11 48 13 00-0009 Rack Type Dishwasher (11 48 13)**

11 48 13 00-0010	EA		Dishwasher, 1 Tank And 190 Racks/Hour.....	10,234.48	219.25
11 48 13 00-0011	EA		Dishwasher, 2 Tanks And 234 Racks/Hour.....	17,646.12	575.53
11 48 13 00-0012	EA		Dishwasher, 2 Tanks And 265 Racks/Hour.....	21,186.90	657.75
11 48 13 00-0013	EA		Dishwasher, Automatic - 100 Meals/Hour.....	16,460.35	164.44
11 48 13 00-0014	EA		Dishwasher, Machine Rack.....	19,240.05	456.81
11 48 13 00-0015	EA		Dishwasher, Hobart LX30-H.....	5,127.30	191.85

**11 48 13 00-0016 Exhaust Hood Dishwasher (11 48 13)**

11 48 13 00-0017	EA		4' x 4' x 2' Dishwasher Exhaust Hood Stainless Steel With Gutter On All Sides.....	2,087.88	226.63
11 48 13 00-0018	EA		4' x 4' x 7' Dishwasher Exhaust Hood Stainless Steel With Gutter On All Sides.....	3,531.31	271.96

**11 48 13 00-0019 Dish Tables (11 48 13)**

11 48 13 00-0020	LF		Clean/Soiled Dish Table, Basic.....	246.25	42.10
11 48 13 00-0021	LF		Clean/Soiled Dish Table With Trough.....	386.30	63.10
11 48 13 00-0022	LF		Clean/Soiled Dish Table, Maximum.....	469.94	84.09

**11 48 13 00-0023 Commercial Dishwashers (11 48 13)**

11 48 13 00-0024	EA		1.2 Gallons Per Rack, 120 To 140 Degrees Fahrenheit, 115 Volt, Low Temperature Undercounter Dishwasher (Noble WF-UL30-NO-115).....	3,832.51	158.70
11 48 13 00-0025	EA		1.16 Gallons Per Rack, 120 To 140 Degrees Fahrenheit, Single Rack, Low Temperature Glass Washer/Dishwasher (Noble WF-DG-E-NO 115/1).....	4,676.78	423.16
11 48 13 00-0026	EA		1.2 Gallons Per Rack, 120 To 140 Degrees Fahrenheit, 115 Volt, Low Temperature Undercounter Dishwasher (Jackson DISHSTAR LT UNDERCOUNTER).....	5,760.44	158.70
11 48 13 00-0027	EA		1.2 Gallons Per Rack, 120 To 140 Degrees Fahrenheit, 115 Volt, Low Temperature Dishwasher (Noble WF-HT180-D-7-NO).....	7,773.24	158.70
11 48 13 00-0028	EA		1.02 Gallons Per Rack, 120 Degrees Fahrenheit, 115 Volt, Single Rack, Low Temperature Door-Type Dish Machine (Noble WF-I-E-NO 115).....	4,164.35	488.31
11 48 13 00-0029	EA		2.23 Gallons Per Rack, 130 Degrees Fahrenheit, 115 Volt, Electric Carousel Type Underbar Glass Washer (Noble WF-CG-115-NO).....	4,802.54	158.70
11 48 13 00-0030	EA		2.23 Gallons Per Rack, 130 Degrees Fahrenheit, 208 To 230 Volt, Electric Carousel Type Underbar Glass Washer (Noble WF-CG NOBLE LABEL).....	4,802.54	158.70
11 48 13 00-0031	EA		1.61 Gallons Per Rack, 140 Degrees Fahrenheit, 115 Volt, Dual Functionality, Low Temperature Door Type Dish/Pot And Pan Washer (Noble 1-HH-NO).....	4,685.74	488.31
11 48 13 00-0032	EA		1.36 Gallons Per Rack, 140 Degrees Fahrenheit, 208/230 Volt, 1 Phase, Dual Functionality, High Temperature Tall Dish/Pot And Pan Washer (Noble WF-HT-180HH-NO).....	9,826.87	488.31
11 48 13 00-0033	EA		1.561 Gallons Per Rack, 145 Degrees Fahrenheit, 115 Volt, Dual Functionality, Low Temperature Door Type Dish/Pot And Pan Washer (Noble WF-I-E-A-LTH-NO).....	5,946.77	488.31
11 48 13 00-0034	EA		1.02 Gallons Per Rack, 145 Degrees Fahrenheit, 208/230 Volt, 1 Phase, Dual Benefit, Low Temperature Door Type Dishwasher (Noble WF-IE-LTH-NO).....	5,813.39	488.31
11 48 13 00-0035	EA		11 Gallons Per Rack, 150 To 180 Degrees Fahrenheit Temperature Range, High Temperature Undercounter Dishwasher (Noble WF-UH30-FND-NO).....	4,111.40	158.70
11 48 13 00-0036	EA		0.75 Gallons Per Rack, 150 To 180 Degrees Fahrenheit Temperature Range, 208/230 Volt, Door Type Dishwasher High Hood With Electric Booster Heater (Jackson TEMPSTAR-HH).....	13,771.23	488.31
11 48 13 00-0037	EA		1.17 Gallons Per Rack, 150 To 180 Degrees Fahrenheit Temperature Range, 115 Volt, Double Rack Low Temperature Dishwasher (Noble WF-II-NO).....	5,825.52	488.31
11 48 13 00-0038	EA		1.36 Gallons Per Rack, 150 To 180 Degrees Fahrenheit Temperature Range, 208/230 Volt, 3 Phase, High Temperature Dual Functionality Tall Dish/Pot And Pan Washer (Noble WF-HT-180HH-NO).....	9,826.87	488.31
11 48 13 00-0039	EA		1.1 Gallons Per Rack, 150 To 180 Degrees Fahrenheit Temperature Range, 208/230 Volt, High Temperature Undercounter Dishwasher (Jackson DISHSTAR HT).....	6,004.16	158.70
11 48 13 00-0040	EA		0.65 Gallons Per Rack, 155 To 180 Degrees Fahrenheit Temperature Range, 208/230V, 1 Phase, Energy Efficient High Temperature Undercounter Dishwasher (Jackson DISHSTAR HTE).....	6,246.66	158.70
11 48 13 00-0041	EA		0.65 Gallons Per Rack, 155 To 180 Degrees Fahrenheit Temperature Range, 208/230 Volt, 1 Phase, High Temperature Undercounter Dishwasher With Energy Recovery (Jackson DSTR HT-SEER).....	7,202.14	158.70
11 48 13 00-0042	EA		0.65 Gallons Per Rack, 155 To 180 Degrees Fahrenheit Temperature Range, 208/230 Volt, 1 Phase, High Temperature Undercounter Dishwasher With Energy Recovery (Jackson TEMPSTAR-HH VER).....	16,524.07	158.70
11 48 13 00-0043	EA		0.74 Gallons Per Rack, 180 Degrees Fahrenheit, 120/208-240 Volt, Hot Water Sanitizing, Undercounter Dishwasher (Hobart LXEH-2).....	9,300.02	158.70

	<b>Equipment</b> <b>11</b>	11
	<b>Foodservice Equipment</b> <b>11 40</b>	
<b>Foodservice Cleaning and Disposal Equipment</b>	<b>11 48</b>	

			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 48 13 00-0044	EA	0.62 Gallons Per Rack, 180 Degrees Fahrenheit, 120/208-240 Volt, Hot Water Sanitizing, Undercounter Dishwasher With Energy Recovery (Hobart LXR-2).....	9,966.59	158.68
11 48 13 00-0045	EA	60 Second Wash Cycle Time, 8 Gallon Tank, Single Cycle, Select Single Rack High/Low Temperature, Straight/Corner Dishwasher (Noble HT-180EC1).....	6,443.91	488.31
11 48 13 00-0046	EA	4 Cycles, 40 Racks Per Hour, 60 To 360 Second Wash Cycle Time, 14 Gallon, 208-240 Volt, 1 Phase, Ventless High Temperature Dishwasher With Booster Heater (Hobart AM15VL-6).....	22,609.24	488.31
11 48 13 00-0047	EA	208-240 Volt, 3 Phase, Ventless, Tall High Temperature Dishwasher With Booster Heater (Hobart AM15VLT-2).....	26,715.42	488.31
11 48 13 00-0048	EA	208/230 Volt, 3 Phase, 0.89 Gallons Per Rack, 110 Degrees Fahrenheit, Multi Cycle, High Temperature Dishwasher (Noble WF-HT180-A-7-NO).....	8,432.46	488.31

#### 11 48 16 Foodservice Disposal Equipment (11 48)

##### 11 48 16 00-0001 Garbage Disposals (11 48 16)

Note: Manual switch.

11 48 16 00-0002	EA	1/2 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal.....	1,437.87	147.99
11 48 16 00-0003	EA	3/4 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal.....	1,810.86	153.48
11 48 16 00-0004	EA	1.5 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal.....	2,537.81	164.44
11 48 16 00-0005	EA	1 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal.....	1,943.67	158.96
11 48 16 00-0006	EA	2 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal.....	2,766.14	180.88
11 48 16 00-0007	EA	3 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal.....	3,893.55	197.33
11 48 16 00-0008	EA	5 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal.....	4,648.70	219.25
11 48 16 00-0009	EA	7-1/2 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal.....	6,466.97	235.69
11 48 16 00-0010	EA	10 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal.....	8,512.75	246.65

##### 11 48 16 00-0011 Pulper/Extractors (11 48 16)

11 48 16 00-0012	EA	5 HP, Pulper/Extractor, Close-Coupled.....	5,651.10	228.35
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### 11 50 Educational and Scientific Equipment (11)

#### 11 52 Audio-Visual Equipment (11 50)

##### 11 52 13 Projection Screens (11 52)

##### 11 52 13 13 Fixed Projection Screens (11 52 13)

##### 11 52 13 13-0001 Screens (11 52 13 13)

##### 11 52 13 13-0002 Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model B)

(11 52 13 13-0001)

11 52 13 13-0003	EA	40" x 40" Pull Down Projection Screen (Da-Lite B).....	341.89	77.73
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0004	EA	50" x 50" Pull Down Projection Screen (Da-Lite B).....	407.78	99.94
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0005	EA	60" x 60" Pull Down Projection Screen (Da-Lite B).....	518.07	138.80
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0006	EA	70" x 70" Pull Down Projection Screen (Da-Lite B).....	600.62	166.56
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0007	EA	84" x 84" Pull Down Projection Screen (Da-Lite B).....	929.28	249.84
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0008	EA	96" x 96" Pull Down Projection Screen (Da-Lite B).....	1,092.88	277.60
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0009	EA	64" x 84" Pull Down Projection Screen (Da-Lite B).....	784.93	177.67
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0010	EA	72" x 96" Pull Down Projection Screen (Da-Lite B).....	900.79	222.08
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0011	EA	43" x 57" Pull Down Projection Screen (Da-Lite B).....	483.28	94.38
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0012	EA	50" x 67" Pull Down Projection Screen (Da-Lite B).....	689.08	133.25
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0013	EA	55" x 77" Pull Down Projection Screen (Da-Lite B).....	729.42	149.91
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0014	EA	60" x 80" Pull Down Projection Screen (Da-Lite B).....	778.64	161.00
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	

**11 Equipment**

**11 50 Educational and Scientific Equipment**

**11 52 Audio-Visual Equipment**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
11 52 13 13-0015	EA 69" x 92" Pull Down Projection Screen (Da-Lite B) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	899.30 40.00 40.00 120.00	194.33
11 52 13 13-0016	EA 45" x 80" Pull Down Projection Screen (Da-Lite B) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	734.22 40.00 40.00 120.00	138.80
11 52 13 13-0017	EA 52" x 92" Pull Down Projection Screen (Da-Lite B) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	832.68 40.00 40.00 120.00	161.00
<b>11 52 13 13-0018 Heavy Duty Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model C) <small>(11 52 13 13-0001)</small></b>			
11 52 13 13-0019	EA 50" x 50" Pull Down Projection Screen (Da-Lite C) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	786.05 40.00 40.00 120.00	99.94
11 52 13 13-0020	EA 60" x 60" Pull Down Projection Screen (Da-Lite C) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	923.35 40.00 40.00 120.00	138.80
11 52 13 13-0021	EA 70" x 70" Pull Down Projection Screen (Da-Lite C) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,077.33 40.00 40.00 120.00	188.77
11 52 13 13-0022	EA 84" x 84" Pull Down Projection Screen (Da-Lite C) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,253.51 40.00 40.00 120.00	249.84
11 52 13 13-0023	EA 6' x 8' Pull Down Projection Screen (Da-Lite C) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,372.70 40.00 40.00 120.00	255.40
11 52 13 13-0024	EA 8' x 8' Pull Down Projection Screen (Da-Lite C) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,471.14 40.00 40.00 120.00	277.60
11 52 13 13-0025	EA 7' x 9' Pull Down Projection Screen (Da-Lite C) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,498.16 40.00 40.00 120.00	277.60
11 52 13 13-0026	EA 9' x 9' Pull Down Projection Screen (Da-Lite C) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,612.53 40.00 40.00 120.00	294.26
11 52 13 13-0027	EA 8' x 10' Pull Down Projection Screen (Da-Lite C) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,726.91 40.00 40.00 120.00	310.91
11 52 13 13-0028	EA 10' x 10' Pull Down Projection Screen (Da-Lite C) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,852.37 40.00 40.00 120.00	333.13
11 52 13 13-0029	EA 9' x 12' Pull Down Projection Screen (Da-Lite C) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	2,068.53 40.00 40.00 120.00	333.13
11 52 13 13-0030	EA 12' x 12' Pull Down Projection Screen (Da-Lite C) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	2,398.69 40.00 40.00 120.00	444.17
<b>11 52 13 13-0031 Heavy Duty Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model C With CSR) <small>(11 52 13 13-0001)</small></b>			
Note: With controlled screen return.			
11 52 13 13-0032	EA 60" x 60" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,463.73 40.00 40.00 120.00	138.80
11 52 13 13-0033	EA 70" x 70" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,644.73 40.00 40.00 120.00	188.77
11 52 13 13-0034	EA 84" x 84" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,820.91 40.00 40.00 120.00	249.84
11 52 13 13-0035	EA 6' x 8' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,913.08 40.00 40.00 120.00	255.40
11 52 13 13-0036	EA 8' x 8' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	2,038.54 40.00 40.00 120.00	277.60

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 52 13 13-0037	EA		7' x 9' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	2,065.56 40.00 40.00 120.00	277.60
11 52 13 13-0038	EA		9' x 9' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	2,179.93 40.00 40.00 120.00	294.26
11 52 13 13-0039	EA		8' x 10' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	2,229.17 40.00 40.00 120.00	305.36
11 52 13 13-0040	EA		10' x 10' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	2,500.83 40.00 40.00 120.00	333.13
11 52 13 13-0041	EA		9' x 12' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	2,744.00 40.00 40.00 120.00	333.13
11 52 13 13-0042	EA		12' x 12' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	3,128.21 40.00 40.00 120.00	444.17

**11 52 13 13-0043 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Cosmopolitan Electrol) <sup>(11 52 13 13-0001)</sup>**

Note: Heavy-duty screen for exposed installation.

11 52 13 13-0044	EA		50" x 50" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol) .....	2,061.93	124.92
11 52 13 13-0045	EA		60" x 60" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol) .....	2,111.32	138.80
11 52 13 13-0046	EA		70" x 70" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol) .....	2,207.93	166.56
11 52 13 13-0047	EA		84" x 84" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol) .....	2,560.45	249.84
11 52 13 13-0048	EA		6' x 8' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol) .....	2,623.45	255.40
11 52 13 13-0049	EA		8' x 8' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol) .....	2,786.80	277.60
11 52 13 13-0050	EA		7' x 9' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol) .....	2,840.86	277.60
11 52 13 13-0051	EA		9' x 9' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol) .....	2,983.52	297.04
11 52 13 13-0052	EA		8' x 10' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol) .....	3,156.16	310.91
11 52 13 13-0053	EA		10' x 10' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol) .....	3,271.93	333.13
11 52 13 13-0054	EA		9' x 12' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol) .....	3,369.24	333.13
11 52 13 13-0055	EA		12' x 12' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol) .....	3,760.00	444.17

**11 52 13 13-0056 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Professional Electrol) <sup>(11 52 13 13-0001)</sup>**

Note: Heavy-duty screen for exposed or recessed installation without doors.

11 52 13 13-0057	EA		9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) .....	5,256.77	333.13
11 52 13 13-0058	EA		12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) .....	5,695.01	444.17
11 52 13 13-0059	EA		14' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) .....	7,048.92	499.69
11 52 13 13-0060	EA		12' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) .....	7,430.15	555.20
11 52 13 13-0061	EA		16' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) .....	7,922.43	666.24
11 52 13 13-0062	EA		13.5' x 18' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) .....	8,844.03	721.77
11 52 13 13-0063	EA		18' x 18' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) .....	9,684.60	777.29
11 52 13 13-0064	EA		15' x 20' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) .....	10,224.98	777.29
11 52 13 13-0065	EA		20' x 20' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) .....	11,014.46	888.33
11 52 13 13-0066	EA		11' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) .....	10,194.98	721.77
11 52 13 13-0067	EA		16.5' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) .....	10,798.30	888.33
11 52 13 13-0068	EA		22' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) .....	11,290.57	999.37
11 52 13 13-0069	EA		12' x 24' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) .....	10,846.41	777.29
11 52 13 13-0070	EA		18' x 24' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) .....	13,992.47	999.37

**11 52 13 13-0071 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Executive Electrol) <sup>(11 52 13 13-0001)</sup>**

Note: In-the-ceiling screen with automatically operated door to conceal screen.

11 52 13 13-0072	EA		50" x 50" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) .....	4,840.37	124.92
11 52 13 13-0073	EA		60" x 60" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) .....	4,949.19	138.80
11 52 13 13-0074	EA		70" x 70" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) .....	5,058.75	166.56
11 52 13 13-0075	EA		84" x 84" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) .....	5,414.44	249.84

11	<b>11</b>	<b>Equipment</b>
	<b>11 50</b>	<b>Educational and Scientific Equipment</b>
	<b>11 52</b>	<b>Audio-Visual Equipment</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 52 13 13-0076	EA		6' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,479.58	255.40
11 52 13 13-0077	EA		8' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,686.11	277.60
11 52 13 13-0078	EA		7' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,848.22	277.60
11 52 13 13-0079	EA		9' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,968.15	297.04
11 52 13 13-0080	EA		8' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,131.00	310.91
11 52 13 13-0081	EA		10' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,283.49	333.13
11 52 13 13-0082	EA		9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,337.53	333.13
11 52 13 13-0083	EA		12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,829.81	444.17
11 52 13 13-0084	EA		10.6' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,317.63	471.93
11 52 13 13-0085	EA		14' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,643.34	499.69
11 52 13 13-0086	EA		12' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	8,348.80	555.20
11 52 13 13-0087	EA		16' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	8,705.99	666.24

**11 52 13 13-0088 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Senior Electrol)** (11 52 13 13-0001)

Note: In-the-ceiling screen with automatically operated door to conceal screen.

11 52 13 13-0089	EA		50" x 50" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	4,018.99	124.92
11 52 13 13-0090	EA		60" x 60" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	4,112.34	152.68
11 52 13 13-0091	EA		70" x 70" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	4,164.42	166.56
11 52 13 13-0092	EA		84" x 84" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	4,409.34	249.84
11 52 13 13-0093	EA		6' x 8' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	4,444.76	255.40
11 52 13 13-0094	EA		8' x 8' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	4,591.84	277.60
11 52 13 13-0095	EA		7' x 9' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	4,735.04	277.60
11 52 13 13-0096	EA		9' x 9' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	4,965.74	297.04
11 52 13 13-0097	EA		8' x 10' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	5,031.33	310.91
11 52 13 13-0098	EA		10' x 10' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	5,191.92	333.13
11 52 13 13-0099	EA		9' x 12' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	5,194.90	388.64
11 52 13 13-0100	EA		12' x 12' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	5,684.20	444.17
11 52 13 13-0101	EA		10'-6" x 14' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	7,085.27	471.93
11 52 13 13-0102	EA		14' x 14' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	7,397.47	499.69
11 52 13 13-0103	EA		12' x 16' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	8,008.36	555.20
11 52 13 13-0104	EA		16' x 16' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	8,343.93	666.24
11 52 13 13-0105	EA		13'-6" x 18' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	9,089.91	721.77
11 52 13 13-0106	EA		18' x 18' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	9,652.16	777.29
11 52 13 13-0107	EA		15' x 20' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	10,046.64	777.29
11 52 13 13-0108	EA		20' x 20' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	11,111.72	888.33
11 52 13 13-0109	EA		50" x 67" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	4,164.42	166.56
11 52 13 13-0110	EA		60" x 80" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	4,353.82	222.08
11 52 13 13-0111	EA		69" x 92" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	4,433.66	249.84
11 52 13 13-0112	EA		87" x 116" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	5,058.35	310.91
11 52 13 13-0113	EA		105" x 140" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	5,419.15	388.64
11 52 13 13-0114	EA		123" x 164" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	6,719.29	499.69
11 52 13 13-0115	EA		141" x 188" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	7,146.73	610.73
11 52 13 13-0116	EA		12' x 24' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	12,546.16	832.81
11 52 13 13-0117	EA		45" x 80" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	4,367.33	222.08

		<b>Equipment</b>	<b>11</b>
		Educational and Scientific Equipment	11 50
		Audio-Visual Equipment	11 52

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 52 13 13-0118	EA		52" x 92" Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	4,474.18	249.84
11 52 13 13-0119	EA		54" x 96" Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	4,585.85	266.50
11 52 13 13-0120	EA		58" x 104" Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	4,654.59	288.71
11 52 13 13-0121	EA		65" x 116" Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	4,928.66	310.91
11 52 13 13-0122	EA		78" x 139" Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	5,316.48	388.64
11 52 13 13-0123	EA		92" x 164" Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	6,646.34	499.69
11 52 13 13-0124	EA		106" x 188" Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	7,684.40	610.73
11 52 13 13-0125	EA		119" x 212" Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	9,324.97	721.77

**11 52 13 13-0126 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Boardroom Electrol)** (11 52 13 13-0001)

Note: In-the-ceiling screen with automatically operated door to conceal screen.

11 52 13 13-0127	EA		50" x 50" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	4,018.90	124.92
11 52 13 13-0128	EA		60" x 60" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	4,098.56	138.80
11 52 13 13-0129	EA		70" x 70" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	4,193.01	166.56
11 52 13 13-0130	EA		84" x 84" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	4,493.63	249.84
11 52 13 13-0131	EA		6' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	4,547.99	255.40
11 52 13 13-0132	EA		8' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	4,685.38	277.60
11 52 13 13-0133	EA		7' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	4,830.26	277.60
11 52 13 13-0134	EA		9' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	4,962.12	297.04
11 52 13 13-0135	EA		8' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,059.07	310.91
11 52 13 13-0136	EA		10' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,213.77	333.13
11 52 13 13-0137	EA		9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,362.97	333.13
11 52 13 13-0138	EA		12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,710.48	444.17

**11 52 13 13-0139 Electric Ascending Project Screen, Matte White, Glass Beaded (Da-Lite Ascender Electrol)** (11 52 13 13-0001)

Note: High contrast matte white, video spectrum or high power. Includes a motorized spring assisted scissors mechanism which raises the screen surface from the housing ensuring smooth operation. A trap door housing keeps the screen and lift mechanism hidden until the screen is activated.

11 52 13 13-0140	EA		60" x 80" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) ..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	12,386.82	277.60
11 52 13 13-0141	EA		69" x 92" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) ..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	13,254.39	333.13
11 52 13 13-0142	EA		87" x 116" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) ..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	15,424.81	499.69
11 52 13 13-0143	EA		105" x 140" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) ..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	19,432.53	666.24
11 52 13 13-0144	EA		120" x 160" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) ..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	21,545.94	777.29
11 52 13 13-0145	EA		52" x 92" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) ..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	13,143.35	277.60
11 52 13 13-0146	EA		58" x 104" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) ..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	14,362.17	333.13
11 52 13 13-0147	EA		65" x 116" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) ..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	15,202.73	388.64
11 52 13 13-0148	EA		78" x 139" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) ..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	19,099.40	499.69

**11 52 13 13-0149 Electric Rear Projection Screen (Da-Lite DA-View)** (11 52 13 13-0001)

Note: Consists of a single acrylic layer with rear Fensel lens and lenticulated front profile. Un-framed.

11 52 13 13-0150	EA		60" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) ..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	3,865.18	277.60
11 52 13 13-0151	EA		67" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) ..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	4,840.66	305.36
11 52 13 13-0152	EA		72" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) ..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	5,540.14	333.13
11 52 13 13-0153	EA		84" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) ..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	9,919.43	360.88
11 52 13 13-0154	EA		90" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) ..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	10,986.90	10,598.25
11 52 13 13-0155	EA		96" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) ..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	12,201.88	444.17
11 52 13 13-0156	EA		100" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) ..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	15,624.74	499.69

**11 Equipment**  
**11 50 Educational and Scientific Equipment**  
**11 52 Audio-Visual Equipment**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
11 52 13 13-0157	EA	120" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) ..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	21,071.49	555.20
11 52 13 13-0158	EA	125" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) ..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	23,574.41	610.73
11 52 13 13-0159	EA	135" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) ..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	31,505.02	666.24
11 52 13 13-0160		<b>Screen Accessories</b> <small>(11 52 13 13-0001)</small>		
11 52 13 13-0161		<b>Manual Pull Down Accessories</b> <small>(11 52 13 13-0160)</small>		
11 52 13 13-0162	EA	6" Mounting Bracket (Pair) .....	65.29	8.33
11 52 13 13-0163	EA	14" Wall Mounting Bracket (Pair) .....	92.31	8.88
11 52 13 13-0164	EA	14-1/2" To 24" Adjustable Wall Mounting Bracket (Pair).....	108.52	9.99
11 52 13 13-0165		<b>Electric Powered Screen Accessories</b> <small>(11 52 13 13-0160)</small>		
11 52 13 13-0166	EA	Single Motor Low Voltage Remote Control System - Infrared.....	673.50	
11 52 13 13-0167	EA	Single Motor Low Voltage Remote Control System - Radio Frequency.....	970.71	
11 52 13 13-0168		<b>Relocate Existing Fixed Projection Screen</b> <small>(11 52 13 13)</small>		
11 52 13 13-0169	EA	Relocate Electric Controlled Projection Screen, Including Storage And Cleaning .....	1,632.96	
11 52 13 16		<b>Portable Projection Screens</b> <small>(11 52 13)</small>		
11 52 13 16-0001		<b>Motion Picture Screen And Case</b> <small>(11 52 13 16)</small>		
11 52 13 16-0002	SF	Screen, Riser Projection With Anodized Aluminum Frame .....	43.43	4.00
11 52 16		<b>Projectors</b> <small>(11 52)</small>		
11 52 16 26		<b>Video Projectors</b> <small>(11 52 16)</small>		
11 52 16 26-0001		<b>Projectors</b> <small>(11 52 16 26)</small>		
11 52 16 26-0002	EA	2,000 Lumens Output, 800 x 600 Pixels, SVGA Compact 3LCD Panels Projector.....	1,112.99	55.52
11 52 16 26-0003	EA	2,000 Lumens Output, 1024 x 768 Pixels, XGA Compact 3LCD Panels Projector .....	1,288.33	55.52
11 52 16 26-0004	EA	2,000 Lumens Output, 1280 x 800 Pixels, WXGA Compact 3LCD Panels Projector.....	1,701.64	55.52
11 52 16 26-0005	EA	3,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector .....	2,678.54	55.52
11 52 16 26-0006	EA	3,500 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector .....	3,116.90	55.52
11 52 16 26-0007	EA	3,000 Lumens Output, 1366 x 800 Pixels, WXGA 3LCD Panels Projector .....	3,956.03	55.52
11 52 16 26-0008	EA	4,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector .....	6,285.57	55.52
11 52 16 26-0009	EA	5,200 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector .....	8,514.91	55.52
11 52 16 26-0010	EA	6,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector .....	12,635.44	55.52
11 52 16 26-0011		<b>Projector Mounts</b> <small>(11 52 16 26)</small>		
11 52 16 26-0012		<b>Universal Projector Mounts</b> <small>(11 52 16 26-0011)</small> Note: Includes ceiling or wall mounting hardware and hardware for attaching projector. Excludes projector.		
11 52 16 26-0013	EA	Flush Ceiling, Universal Projector Mount (Peerless PPF).....	251.97	61.05
11 52 16 26-0014	EA	Wall Arm, Universal Projector Mount (Peerless PWA-14).....	407.45	61.05
11 52 16 26-0015		<b>Projector Mount Components</b> <small>(11 52 16 26-0011)</small> Note: Includes ceiling attachment plate, threaded extension column and projector attachment plate. Excludes projector.		
11 52 16 26-0016		<b>Ceiling Attachment Plates For Projector Mounts</b> <small>(11 52 16 26-0015)</small>		
11 52 16 26-0017	EA	Finished Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 570).....	92.48	27.75
11 52 16 26-0018	EA	Truss Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 557).....	124.38	27.75
11 52 16 26-0019	EA	I-Beam Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 558/559) .....	171.62	27.75
11 52 16 26-0020	EA	Suspended Ceiling, Attachment Plate For Projector Mounts (Peerless CMJ 455).....	213.50	27.75
11 52 16 26-0021		<b>Projector Attachment Plates For Projector Mounts</b> <small>(11 52 16 26-0015)</small>		
11 52 16 26-0022	EA	Universal Projector Attachment Plate For Projector Mounts (Peerless PRG-UNV) .....	311.34	27.75
11 52 16 26-0023	EA	High Security Projector Enclosure For Projector Mounts (Peerless ALB) .....	683.33	27.75
11 52 16 26-0024		<b>Threaded Extension Columns For Projector Mounts</b> <small>(11 52 16 26-0015)</small>		
11 52 16 26-0025		<b>Fixed Length, Threaded Extension Column For Projector Mounts</b> <small>(11 52 16 26-0024)</small> Note: Peerless EXT series.		
11 52 16 26-0026	EA	6" Fixed Length, Threaded Extension Column For Projector Mounts .....	54.04	8.32
11 52 16 26-0027	EA	12" Fixed Length, Threaded Extension Column For Projector Mounts .....	69.79	8.32
11 52 16 26-0028	EA	18" Fixed Length, Threaded Extension Column For Projector Mounts .....	75.69	8.32
11 52 16 26-0029	EA	24" Fixed Length, Threaded Extension Column For Projector Mounts .....	79.63	8.32
11 52 16 26-0030	EA	36" Fixed Length, Threaded Extension Column For Projector Mounts .....	95.01	11.10
11 52 16 26-0031	EA	48" Fixed Length, Threaded Extension Column For Projector Mounts .....	114.69	11.10
11 52 16 26-0032	EA	60" Fixed Length, Threaded Extension Column For Projector Mounts .....	146.18	11.10
11 52 16 26-0033	EA	72" Fixed Length, Threaded Extension Column For Projector Mounts .....	167.83	11.10
11 52 16 26-0034	EA	84" Fixed Length, Threaded Extension Column For Projector Mounts .....	197.01	13.87
11 52 16 26-0035	EA	96" Fixed Length, Threaded Extension Column For Projector Mounts .....	224.56	13.87
11 52 16 26-0036	EA	108" Fixed Length, Threaded Extension Column For Projector Mounts .....	249.79	16.65
11 52 16 26-0037	EA	120" Fixed Length, Threaded Extension Column For Projector Mounts .....	261.60	16.65



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 52 16 26-0038		Adjustable Length, Threaded Extension Columns For Projector Mounts <sup>(11 52 16 26-0038)</sup>		
<i>Note: Peerless ADJ series. Adjustable at 1" increments.</i>				
11 52 16 26-0039	EA	6" To 9" Adjustable Length, Threaded Extension Column For Projector Mounts.....	110.41	13.87
11 52 16 26-0040	EA	12" To 18" Adjustable Length, Threaded Extension Column For Projector Mounts.....	169.45	13.87
11 52 16 26-0041	EA	18" To 24" Adjustable Length, Threaded Extension Column For Projector Mounts.....	173.39	13.87
11 52 16 26-0042	EA	24" To 36" Adjustable Length, Threaded Extension Column For Projector Mounts.....	179.30	13.87
11 52 16 26-0043	EA	36" To 60" Adjustable Length, Threaded Extension Column For Projector Mounts.....	194.69	16.65
11 52 16 26-0044	EA	48" To 72" Adjustable Length, Threaded Extension Column For Projector Mounts.....	204.53	16.65
11 52 16 26-0045	EA	60" To 84" Adjustable Length, Threaded Extension Column For Projector Mounts.....	226.18	16.65
11 52 16 26-0046	EA	72" To 96" Adjustable Length, Threaded Extension Column For Projector Mounts.....	245.86	16.65
11 52 16 26-0047	EA	84" To 108" Adjustable Length, Threaded Extension Column For Projector Mounts.....	273.06	19.43
11 52 16 26-0048	EA	96" To 120" Adjustable Length, Threaded Extension Column For Projector Mounts.....	292.74	19.43
11 52 16 26-0049	EA	108" To 132" Adjustable Length, Threaded Extension Column For Projector Mounts.....	319.94	22.19
11 52 16 26-0050	EA	120" To 144" Adjustable Length, Threaded Extension Column For Projector Mounts.....	333.71	22.19

11 53 Laboratory Equipment <sup>(11 50)</sup>  
**11 53 43 Service Fittings and Accessories** <sup>(11 53)</sup>

11 53 43 00-0001		Outlet And Valves <sup>(11 53 43)</sup>		
11 53 43 00-0002	EA	Medical Outlet Conversion Kit (Air, Oxygen, And Vacuum) .....	887.71	

11 53 43 00-0003		Test And Certify <sup>(11 53 43)</sup>		
11 53 43 00-0004	EA	Test And Certify Medical Gas Port.....	54.84	

11 70 Healthcare Equipment <sup>(11)</sup>

11 71 Medical Sterilizing Equipment <sup>(11 70)</sup>

11 71 00 00-0001		Steam Sterilizers <sup>(11 71)</sup>		
11 71 00 00-0002	EA	6 Full-Size Cassette Capacity, 120 Instruments In 40 Minutes Start-To-Dry, Automated Instrument Washing Sterilizer (SciCan HYDRIM® C61w G4) .....	7,730.30	105.77
<i>Note: Water consumption per cycle = Regular Wash + Dry: 26 mins + 10 mins, Heavy Duty Wash + Dry: 30 mins + 10 mins, Rinse and Hold: 5 mins.</i>				
11 71 00 00-0003	EA	23.6" Length x 16.1" Width x 7.5" Height, Cycle Time 9 Minutes Unwrapped, 17.5 Minutes Wrapped, 3.5" Touchscreen, Fresh Steam Distilled Water, Autoclave Sterilizer (SciCan STATIM® 5000 G4) .....	8,461.29	18.13
11 71 00 00-0004	EA	19.5" Length x 16.25" Width x 6" Height, Cycle Time 6 Minutes Unwrapped, 14 Minutes Wrapped, Fresh Clean Distilled Water For Each Cycle, Autoclave Sterilizer (SciCan STATIM® 2000 G4) .....	7,003.93	18.13
11 71 00 00-0005	EA	Ultra-fast 35 Minute Cycle Start To Dry, Autoclave Sterilizer (SciCan Bravo W#AJP00B0000) .....	8,960.20	18.13
11 71 00 00-0006	EA	Ultra-fast 28 Minute Cycle Start To Dry, Tabletop Autoclave Sterilizer (SciCan Bravo MA320011) .....	10,857.43	18.13

11 71 00 00-0007		Steam Generator <sup>(11 71)</sup>		
11 71 00 00-0008	EA	Steam Generator, Electric 10 KW To 180 KW .....	117,697.84	1,096.25

11 72 Examination and Treatment Equipment <sup>(11 70)</sup>

**11 72 13 Examination Equipment** <sup>(11 72)</sup>

11 72 13 00-0001 Wall Mounted Medical Furnishings <sup>(11 72 13)</sup>

11 72 13 00-0002	EA	20" Wide, 15" High, 3" Deep, Aluminum Wall Mounted Folding Medical Desk .....	406.46	41.62
11 72 13 00-0003	EA	20" Wide, 15" High, 3" Deep, Painted Steel Wall Mounted Folding Medical Desk.....	424.04	41.62
11 72 13 00-0004	EA	20" Wide, 15" High, 3" Deep, Stainless Steel Wall Mounted Folding Medical Desk .....	476.73	41.62
11 72 13 00-0005	EA	10" Wide, 11" High, 5-3/4" Deep, Stainless Steel Wall Mounted Double Glove Box Holder .....	190.05	41.62
11 72 13 00-0006	EA	10" Wide, 11" High, 5-3/4" Deep, Stainless Steel Wall Mounted Quad Glove Box Holder.....	226.59	41.62
11 72 13 00-0007	EA	13-1/2" Wide, 10" High, 3-1/2" Deep, Locking Stainless Steel Wall Mounted Specimen Cup Retrieval Box .....	532.94	41.62
11 72 13 00-0008	EA	12" Wide, 12" High, 5-1/4" Deep, Stainless Steel Wall Mounted Bedpan Storage Rack .....	167.55	41.62
11 72 13 00-0009	EA	28" Wide, 12" High, 5-1/4" Deep, Stainless Steel Wall Mounted Double Bedpan Storage Rack .....	220.89	44.40
11 72 13 00-0010	EA	12" Wide, 24" High, 5-1/4" Deep, Stainless Steel Wall Mounted Vertical Double Bedpan Storage Rack .....	208.24	44.40
11 72 13 00-0011	EA	12-1/4" Wide, 8" High, 4-3/4" Deep, Acrylic Infection Prevention Station .....	174.59	41.62
<i>Note: Space for sanitizer, disposable masks, tissues</i>				
11 72 13 00-0012	EA	11-1/2" Wide, 12" High, 6" Deep, Lockable Two Sides Heavy Duty Stainless Steel Narcotics Cabinet.....	757.44	55.50
11 72 13 00-0013	EA	11-1/2" Wide, 12" High, 6" Deep, Heavy Duty Stainless Steel Narcotics Cabinet.....	757.44	55.50
11 72 13 00-0014	EA	11-1/2" Wide, 12" High, 6" Deep, Lockable One Side, Heavy Duty Stainless Steel Pass-Thru Narcotics Cabinet.....	757.44	55.50
11 72 13 00-0015	EA	15-1/2" Wide, 6" High, 6" Deep, Acrylic Suture Rack - Single Tier - 6 Box Capacity .....	152.46	27.75
11 72 13 00-0016	EA	15-1/2" Wide, 12-1/4" High, 6" Deep, Acrylic Suture Rack - Single Tier - 12 Box Capacity .....	187.52	30.52
11 72 13 00-0017	EA	15-1/2" Wide, 18" High, 6" Deep, Acrylic Suture Rack - Single Tier - 18 Box Capacity .....	263.33	33.30

11 72 13 00-0018 Diagnostic Wall Board <sup>(11 72 13)</sup>

11 72 13 00-0019	EA	Diagnostic Wall Board With Macroview Otoloscope, Coaxial Ophthalmoscope And Wall Transformer (Welch Allyn 77792-MNOBP) .....	1,562.39	55.50
11 72 13 00-0020	EA	Diagnostic Wall Board with Macroview Otoloscope, Coaxial Ophthalmoscope, Aneroid BP And Wall Transformer (Welch Allyn 77792-M) .....	1,753.52	55.50
11 72 13 00-0021	EA	Diagnostic Wall Board with Macroview Otoloscope, Coaxial Ophthalmoscope, Aneroid BP, Thermometry And Wall Transformer (Welch Allyn 77791-MX) .....	2,160.68	55.50
11 72 13 00-0022	EA	Diagnostic Wall Board with Macroview Otoloscope, Coaxial Ophthalmoscope, Aneroid BP, Thermometry, Throat Illuminator And Wall Transformer (Welch Allyn 77795-MX).....	2,337.64	55.50

**11 Equipment****11 70 Healthcare Equipment****11 72 Examination and Treatment Equipment**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

<b>11 72 13 00-0023 Sharps Containers</b> <small>(11 72 13)</small>				
11 72 13 00-0024	EA	3 Quart, Wall Mounted, Disposable Sharps Containers.....	227.94	
		Note: The rotating cylinder top permits convenient, one-handed disposal of sharps. The rotating lid automatically drops needles and syringes in a horizontal position to maximize capacity. Lid remains closed when not in use. A built-in needle key permits the safe removal of needles when necessary.		
11 72 13 00-0025	EA	2 Gallon, Wall Mounted, Disposable Sharps Containers.....	293.91	
		Note: Provides open access for disposal of a variety of shapes and sizes of sharps, (i.e. needles and syringes, vials, test tubes, and glass slides). The lid features a needle key for the safe removal of needles.		
11 72 13 00-0026	EA	3 Gallon, Wall Mounted, Disposable Sharps Containers.....	260.20	
		Note: Has a dual-purpose lid, which allows the container to remain open for code situations or in a free-fall position for normal, one-handed operation. Lid features a needle key for safe removal of needles when necessary.		
11 72 13 00-0027	EA	1 Quart, Wall Mounted, Disposable Phlebotomy Container.....	417.10	
		Note: Has an opening to safely place the blood tube holder with needle while attending a patient Once full, the lids can be locked, & the container is ready for safe disposal One-quart capacity, is puncture resistant, fully disposable, may be autoclaved or incinerated for final disposal.		
11 72 13 00-0028	EA	5 Quart, Wall Mounted, Locking Sharps Disposal Cabinet.....	124.28	27.75
11 72 13 00-0029	EA	5 Quart, Wall Mounted, Combination Sharps Disposal And Glove Box Container.....	114.97	27.75
<b>11 72 13 00-0030 Exam Room Supplies</b> <small>(11 72 13)</small>				
11 72 13 00-0031	EA	Wire Glove Dispenser Box Holders, 3-1/2" x 10.4" x 12", Wall Mounted (Medline MDS193094).....	43.10	
11 72 13 00-0032	EA	Wire Glove Dispenser Box Holders, 3-1/2" x 10.4" x 8", Wall Mounted (Medline MDS192094B).....	44.03	
11 72 13 00-0033	EA	Wire Glove Dispenser Box Holders, 3-1/2" x 10.4" x 4", Wall Mounted (Medline MDS191094).....	35.13	
<b>11 72 13 00-0034 Medical Warming Cabinets</b> <small>(11 72 13)</small>				
11 72 13 00-0035	EA	9.02 CF, Warming Cabinet With Single Glass Door (Blickman 7922TG).....	7,429.10	52.93
11 72 13 00-0036	EA	22.02 CF, Warming Cabinet With Single Stainless Steel Door (Blickman 791TS).....	9,036.83	52.93
<b>11 72 13 00-0037 Surgical Tables</b> <small>(11 72 13)</small>				
11 72 13 00-0038	EA	79" Length x 20" Width, 1,000 Lbs. Weight Capacity, Self-leveling, Four Point Brake System, Manually-operated Head Section, General Surgical Table (Skytron 3500HD).....	19,183.98	105.77
11 72 13 00-0039	EA	81.6" Length x 20" Width, 1,200 Lbs. Weight Capacity, 600 Lbs. Full Articulation, Reverse Orientation, General Surgical Table (Steris Amsco 5085 5085).....	48,696.54	105.77
11 72 13 00-0040	EA	87.165" Length x 27.5" Width, 400 Lbs. Anatomic Position Weight Capacity, 300 Lbs. Reverse Orientation, OrthoVision Surgical Table (Steris Amsco OrthoVision).....	17,778.62	105.77
11 72 13 00-0041	EA	79" Length x 19.75" Width, 1,000 Lbs. Articulate Capacity, 1,200 Lbs. Lift Capacity, AC Or Battery Power Operation, General Surgical Table (Skytron 6701).....	35,338.59	105.77
<b>11 72 13 00-0042 Examination Tables</b> <small>(11 72 13)</small>				
11 72 13 00-0043	EA	58" Length x 28-1/2" Width x 31" Height, 400 Lbs., Plywood And Laminate Frame, Family Practice Exam Table (Clinton 8870).....	1,569.68	79.34
11 72 13 00-0044	EA	72" Length x 24" Width x 30" Height, 300 Lbs. Weight Capacity, 3-Section, Drawer And Sliding Doors, Wooden Exam Table With Enclosed Cabinet (FEI 15-1073).....	1,527.52	79.34
11 72 13 00-0045	EA	110 Volt, 76" Length x 27" Width x 18-35" Height, 450 Lbs. Weight Capacity, Open Base Power Table With Adjustable Backrest And Drop Section (Clinton 80330).....	3,206.93	79.34
11 72 13 00-0046	EA	72" Length x 27" Width x 18-35" Height, Open Base Power Table With Adjustable Backrest (Clinton 80200).....	2,932.88	79.34
11 72 13 00-0047	EA	72" Length x 27" Width x 18-35" Height, Open Base Power Imaging Table With Drop Window (Clinton 85100).....	4,078.25	79.34
11 72 13 00-0048	EA	76" Length x 27" Width x 21-1/2-37-1/2" Height, General Power Ultrasound Table With 3-Section Top (Clinton 80063).....	6,357.74	79.34
<b>11 72 13 00-0049 Specimen Pass Through Cabinet</b> <small>(11 72 13)</small>				
11 72 13 00-0050	EA	11-1/4" x 10-9/16" x 6", 22 Gauge Stainless Steel, Specimen Pass Through Cabinet (Bobrick B-505).....	522.21	36.96
11 72 13 00-0051	EA	13-1/2" x 13-1/2" x 7", 304 Stainless Steel, Heavy Duty Recess Mounted Interlocking Pass Through Cabinet (Bobrick B-50516).....	667.24	36.96
11 72 13 00-0052	EA	13-1/2" x 13-1/2" x 11", 304 Stainless Steel, Heavy Duty Recess Mounted Interlocking Pass Through Cabinet (Bobrick B-50517).....	738.14	36.96

**11 72 63 Refrigerated Healthcare Storage Equipment** (11 72)

<b>11 72 63 00-0001 Healthcare Pharmaceutical Refrigerators</b> <small>(11 72 63)</small>				
11 72 63 00-0002	EA	24" Width x 24.5" Depth x 33.375" Height, 1 Degree Celsius Temperature Range, Counter Height, Pharmaceutical Refrigerator (American Bio Tech Supply PH-ABT-HC-UCBI-0404SS).....	1,876.90	19.84
11 72 63 00-0003	EA	17.75" Width x 19.5" Depth x 28 7/8" Height, 2 To 8 Degrees Celsius Temperature Range, Vaccine Undercounter, Pharmaceutical Refrigerator (ABS Premier PH-ABT-HC-UCFS-0204G).....	1,849.76	19.84
11 72 63 00-0004	EA	17.5" Width x 19.75" Depth x 21.5" Height, 2 To 8 Degrees Celsius Temperature Range, Vaccine Undercounter, Pharmaceutical Refrigerator (Accucold ARG1PVDL2B).....	1,774.95	19.84
11 72 63 00-0005	EA	17 3/4" Width x 19.5" Depth x 28 7/8" Height, 1 To 10 Degrees Celsius Temperature Range, Solid Door, Undercounter Pharmaceutical Refrigerator (LabRepCo LHP-3-UR Futura).....	1,711.29	19.84
11 72 63 00-0006	EA	17 3/4" Width x 22 3/4" Depth x 30 3/4" Height, 2 To 8 Degrees Celsius Temperature Range, Solid Door, Undercounter Pharmaceutical Refrigerator (American Biotech PH-ABT-HC-UCBI-0204).....	1,629.74	19.84
11 72 63 00-0007	EA	27" Width x 31 1/4" Depth x 83 1/4" Height, 31 To 41 Degrees Fahrenheit Temperature Range, Glass Door, Upright Pharmaceutical Refrigerator (Arctic Air AGR23).....	2,656.21	45.31
11 72 63 00-0008	EA	27" Width x 31 5/8" Depth x 78 1/4" Height, Negative 1 To Plus 10 Degrees Celsius Temperature Range, Glass Door, Laboratory, Pharmaceutical Refrigerator (ABS Premier ABT-HCPP-23G).....	10,624.43	45.31
11 72 63 00-0009	EA	29" Width x 32 1/4" Depth x 82 1/2" Height, 33 To 40 Degrees Fahrenheit Temperature Range, Glass Door, Reach-In Pharmaceutical Refrigerator (Avantco A-23R-G-HC).....	2,509.53	45.31
11 72 63 00-0010	EA	26.8" Width x 32.7" Depth x 82.3" Height, 33 To 41 Degrees Fahrenheit Temperature Range, Glass Door, Reach-In Pharmaceutical Refrigerator (Empura E-KB27RG).....	2,582.38	45.31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 72 63 00-0011	EA	26-1/2" Width x 35-1/2" Depth x 83" Height, 25 CF, 4 Degrees Celsius, Hinged Glass Door, Laboratory Refrigerator (TemPure Scientific LP-22HG-TP).....	8,111.18	90.69
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**11 72 63 00-0012 Healthcare Blood Bank Refrigerators (11 72 63)**

11 72 63 00-0013	EA	25 CF, 4 Degree C Hinged Glass Door, Blood Bank Refrigerator (TemPure Scientific).....	14,877.76	90.69
11 72 63 00-0014	EA	50 CF, 4 Degree C Hinged Glass Doors, Blood Bank Refrigerator (TemPure Scientific).....	21,470.44	126.95
11 72 63 00-0015	EA	78 CF, 4 Degree C Three Hinged Glass Doors, Blood Bank Refrigerator (TemPure Scientific).....	28,364.63	126.95
11 72 63 00-0016	EA	4.3 CF, 2 To 8 Degrees Celsius, Blood Bank Undercounter Refrigerator With One Locking Solid Door (TemPure Scientific).....	6,633.16	19.84
11 72 63 00-0017	EA	Negative 15 To Negative 25 Degrees Celsius, Blood Bank Undercounter Refrigerator (ABS Premier ABT-HC-UCBI-0420SS).....	1,799.74	19.84

**11 72 63 00-0018 Healthcare Medical Freezers (11 72 63)**

11 72 63 00-0019	EA	78" Height x 28.3" Width x 38.5" Depth, Negative 50 To Negative 86 Degrees Celsius Temperature Range, Medical Freezer (Hogentogler RDE40086LA).....	23,058.71	22.69
11 72 63 00-0020	EA	26.75" Width x 32.75" Depth x 82.75" Height, Low To Negative 10 Degrees Fahrenheit Temperature Range, Medical Freezer (Artic Air AF23).....	2,390.79	22.69
11 72 63 00-0021	EA	Negative 20 To Negative 30 Degrees Celsius, Medical Freezer (Accucold VT65).....	2,005.25	19.84

**11 72 63 00-0022 Healthcare Vaccine Freezers (11 72 63)**

11 72 63 00-0023	EA	17-1/2" Width x 19-3/4" Depth x 21-1/2" Height, 2 To 8 Degrees Celsius Temperature Range, Compact Vaccine Refrigeration Freezer (Accucold ARG1PV).....	1,226.35	19.84
11 72 63 00-0024	EA	17-1/2" Width x 19-3/4" Depth x 21-1/2" Height, 2 To 8 Degrees Celsius Temperature Range, Compact Vaccine Refrigeration Freezer (Accucold ARG1PVDL2B).....	1,774.95	19.84
11 72 63 00-0025	EA	23.38" Width x 24.5" Depth x 50" Height, 2 To 8 Degrees Celsius Temperature Range, Upright Vaccine Refrigeration Freezer (Accucold ARG8PV).....	1,751.98	22.69
11 72 63 00-0026	EA	21-5/8" Width x 21-5/8" Depth, 33 To 40 Degrees Fahrenheit Temperature Range, Upright Vaccine Refrigeration Freezer (Avantco GDC-10-HC).....	1,364.00	22.69
11 72 63 00-0027	EA	23.38" Width x 24.5" Depth x 50" Height, 2 To 8 Degrees Celsius Temperature Range, Solid Door, Upright Vaccine Refrigeration Freezer (Accucold ARS8PV).....	1,656.63	22.69
11 72 63 00-0028	EA	20.1" Width x 20.9" Depth x 25.8" Height, 2 To 8 Degrees Celsius Temperature Range, Stacked, Combination Pharmaceutical-Vaccine Refrigeration Freezer (K2 Scientific K202GDR).....	1,285.03	19.84
11 72 63 00-0029	EA	18-1/2" Width x 20" Depth x 34" Height, 2 To 8 Degrees Celsius Temperature Range, Counter Height Pharmaceutical-Vaccine Refrigeration Freezer (Accucold ARS3PV).....	1,212.42	19.84
11 72 63 00-0030	EA	23-3/42" Width x 24" Depth x 20-3/8" Height, 5 To Negative 13 Degrees Fahrenheit Temperature Range, Vaccine Refrigeration Freezer (CliniCool LHP-1-FA-PH).....	3,425.83	19.84
11 72 63 00-0031	EA	23-3/4" Width x 24" Depth x 20-3/4" Height, 5 To Negative 13 Degrees Fahrenheit Temperature Range, Solid Swing Door, Vaccine Refrigeration Freezer (CliniCool LHP-2-FM-PH).....	1,684.01	19.84

**11 73 Patient Care Equipment (11 70)**

**11 73 23 Patient Lift (11 73)**

**11 73 23 00-0001 Ceiling Patient Lift (11 73 23)**

11 73 23 00-0002	EA	Maxi Sky 600 Fixed 4 Function Ceiling Patient Lift.....	11,173.46	
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Note: Maxi Sky 600 cassette with 600 pound weight capacity. Includes 2 point hanger bar, hardware (x-y 3 meter x 4.5 meter 8 anchors xy 4.5), powered raise and lower as well as powered traverse on track. Maxi sky supports clinically activated return to charge, programmable automatic return.

**11 73 23 00-0003 Ceiling Patient Lift System (11 73 23)**

Note: Guldman

11 73 23 00-0004	EA	GH2 HD AC UL Ceiling Mounted Hoist, 550 LB Weight Capacity, With Hand Control.....	11,117.25	956.58
11 73 23 00-0005	EA	550 LB Weight Capacity Hanging Bar GH2 Standard Snap Hook.....	603.59	
11 73 23 00-0006	EA	550 LB Weight Capacity Traverse Traveling Trolley Room Covering System.....	737.59	132.86
11 73 23 00-0007	EA	GH2 HD Twin Strap Ceiling Mounted Hoist, 1,000 LB Weight Capacity, With Hand Control.....	15,740.89	1,328.58
11 73 23 00-0008	EA	1,000 LB Weight Capacity Hanging Bar.....	5,331.28	
11 73 23 00-0009	EA	1,000 LB Weight Capacity Traverse Traveling Trolley Room Covering System.....	1,679.84	292.29
11 73 23 00-0010	LF	Aluminum Midi Rail.....	306.75	31.88
11 73 23 00-0011	EA	Wire For Charging Liner.....	116.03	
11 73 23 00-0012	LF	Charging Liner For Midi Rail.....	128.50	
11 73 23 00-0013	EA	End Stops.....	57.28	
11 73 23 00-0014	EA	Standard Ceiling Brackets.....	180.08	31.88
11 73 23 00-0015	EA	Charging Kit For Room-Covering System With Midi Rails.....	344.88	
11 73 23 00-0016	EA	Lock For Charging Liner.....	67.63	
11 73 23 00-0017	EA	Cover Plate For Midi Rail.....	6.62	
11 73 23 00-0018	EA	Rosette White.....	3.76	
11 73 23 00-0019	EA	Aluminum Pipe 2M Profile.....	171.39	
11 73 23 00-0020	EA	Repositioning Sling Gold, 3 Slings Per System.....	276.91	
11 73 23 00-0021	EA	Uni D M/L High Black - 550 LB Capacity Sling, 2 Slings Per System.....	152.08	
11 73 23 00-0022	EA	Uni D L/XL High Black - 550 LB Capacity Sling, 2 Slings Per System.....	152.08	
11 73 23 00-0023	EA	Disposable Limb Lifter, 2 Slings Per System.....	72.28	
11 73 23 00-0024	EA	Disposable Turner Sling, 1 Sling Per System.....	178.56	

**11 78 Mortuary Equipment (11 70)**

**11 78 13 Mortuary Refrigerators (11 78)**

**11 78 13 00-0001 Healthcare Mortuary Coolers (11 78 13)**

11 78 13 00-0002	EA	6' 8 1/2" Width x 2' 8 1/2" Depth x 5' 2" Height, One Body Economy, Mortuary Equipment Morgue Cooler (American Mortuary Coolers & Equipment Model #1BR).....	6,255.09	846.40
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**11 Equipment**  
**11 70 Healthcare Equipment**  
**11 78 Mortuary Equipment**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

11 78 13 00-0003	EA	7'3" Depth x 3' Width x 5'2" Height, Three Body Oversized, Mortuary Equipment Morgue Cooler (American Mortuary Coolers & Equipment Model #3BX)	8,675.96	846.40
11 78 13 00-0004	EA	7' 3" Depth x 3' 6 3/4" Width x 6'8" Height, Four Body Oversized, Mortuary Equipment Morgue Cooler (American Mortuary Coolers & Equipment Model # 4BX)	9,635.01	1,269.56
11 78 13 00-0005	EA	10' Length x 8' Width x 7' 6 1/2" Height, Walk-in, Mortuary Equipment Morgue Cooler (American Mortuary Coolers & Equipment Model #0810)	11,005.97	1,269.56
11 78 13 00-0006	EA	10' Length x 10' Width x 7' 6 1/2" Height, Walk-in, Mortuary Equipment Morgue Cooler (American Mortuary Coolers & Equipment Model #1010)	12,598.85	1,269.56
11 78 13 00-0007	EA	10' Length x 15' Width x 7' 6 1/2" Height, Walk-in, Mortuary Equipment Morgue Cooler (American Mortuary Coolers & Equipment Model #1015)	16,822.11	2,539.12
11 78 13 00-0008	EA	20' Length x 20' Width, Walk-in, Mortuary Equipment Morgue Cooler (American Mortuary Coolers & Equipment Model #2020)	23,326.58	2,539.12
11 78 13 00-0009	EA	8' 1" Width x 7' 4" Depth x 5' Height, Triple Cot, Roll-in, Mortuary Equipment Morgue Cooler (American Mortuary Coolers & Equipment Model #TR3)	10,137.43	1,269.56

**11 80 Facility Maintenance and Operation Equipment <sup>(11 80)</sup>**

**11 81 Maintenance Equipment <sup>(11 80)</sup>**

**11 81 29 Facility Fall Protection <sup>(11 81)</sup>**

**11 81 29 00-0001 Safety And Tie-Back Anchors <sup>(11 81 29)</sup>**

Note: One cut sheet charge required per manufacturer order. Excludes flashing and testing by engineer after installation. See CSI section 01 22 20 00-0045 for engineering testing and inspection.

**11 81 29 00-0002 Roof Mounted, Safety And Tie-Back Anchors <sup>(11 81 29 00-0001)</sup>**

Note: Includes up to 10" high, 0.216" thick hollow structural section tube, 1018 steel forged pad eye, 8" x 8" x 1/2" base plate and hot-dipped galvanized finish.

11 81 29 00-0003	EA	Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Mechanically Fastened, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor)	671.20	83.28
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Note: Includes drilling in concrete, anchor bolts and bottom plate or plates.

For Stainless Steel Pad Eye, Add

40.00

For Foam Insulation Filled HSS Tube, Add

10.00

11 81 29 00-0004	EA	Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Epoxy Fastened, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor)	578.51	83.28
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Note: Includes drilling in concrete and adhesive anchor systems.

For Stainless Steel Pad Eye, Add

40.00

For Foam Insulation Filled HSS Tube, Add

10.00

11 81 29 00-0005	EA	Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Welded In Place, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor)	417.73	76.01
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For Stainless Steel Pad Eye, Add

40.00

For Foam Insulation Filled HSS Tube, Add

10.00

**11 81 29 00-0006 Wall Mounted, Safety And Tie-Back Anchor <sup>(11 81 29 00-0001)</sup>**

Note: Includes 1018 steel forged pad eye, 10" x 4" x 1/2" base plate and hot-dipped galvanized finish.

11 81 29 00-0007	EA	Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Mechanically Fastened, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor)	474.77	83.28
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Note: Includes drilling in concrete, anchor bolts and bottom plate or plates.

For Stainless Steel Pad Eye, Add

40.00

11 81 29 00-0008	EA	Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Epoxy Fastened, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor)	429.31	83.28
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Note: Includes drilling in concrete and adhesive anchor systems.

For Stainless Steel Pad Eye, Add

40.00

11 81 29 00-0009	EA	Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Welded In Place, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor)	368.52	76.01
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For Stainless Steel Pad Eye, Add

40.00

**11 81 29 00-0010 Safety And Tie-Back Anchor Accessories <sup>(11 81 29 00-0001)</sup>**

11 81 29 00-0011	EA	Mandatory Cut Sheets For Safety And Tie-Back Anchors (Summit Anchor)	357.84	
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Note: One cut sheet required per order.

**11 82 Facility Solid Waste Handling Equipment <sup>(11 80)</sup>**

**11 82 19 Packaged Incinerators <sup>(11 82)</sup>**

**11 82 19 00-0001 Electric Incinerator <sup>(11 82 19)</sup>**

11 82 19 00-0002	EA	Electric Package Incinerator, 100 LB/Hour	33,552.75	961.63
11 82 19 00-0003	EA	Electric Package Incinerator, 400 LB/Hour	68,648.21	1,923.26
11 82 19 00-0004	EA	Electric Package Incinerator, 1,000 LB/Hour	231,680.00	2,884.89

**11 82 26 Facility Waste Compactors <sup>(11 82)</sup>**

**11 82 26 00-0001 110 Volt Compactors <sup>(11 82 26)</sup>**

11 82 26 00-0002	EA	Waste Compactor, 110 Volt At 75 LB/Hour	18,273.90	504.00
11 82 26 00-0003	EA	Waste Compactor, 110 Volt At 250 LB/Hour	22,982.35	1,209.59

**11 82 26 00-0004 230 Volt Compactors <sup>(11 82 26)</sup>**

11 82 26 00-0005	EA	Waste Compactor, 230 Volt At 600 LB/Hour Hand Fed	22,952.04	1,612.79
11 82 26 00-0006	EA	Waste Compactor, 230 Volt At 600 LB/Hour Chute Fed	25,891.56	2,116.79

<b>Equipment</b>	<b>11</b>	<b>11</b>
Facility Maintenance and Operation Equipment	11 80	
Facility Solid Waste Handling Equipment	11 82	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 82 26 00-0007		Trash Compactors <small>(11 82 26)</small>			
11 82 26 00-0008	EA	Trash Compactor, Small .....	3,704.24		279.54
11 82 26 00-0009	EA	Trash Compactor, Large .....	4,569.39		316.34

**END OF SECTION 11**

11	<b>11</b>	<b>Equipment</b>
	11 80	Facility Maintenance and Operation Equipment
	11 82	Facility Solid Waste Handling Equipment



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

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Building knowledge

# Job Order Contract Construction Task Catalog®

Book 2 of 3   CSI Divisions 12 - 26   June 2022

Natividad Medical Center



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## About the CTC:

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

## MasterFormat™

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



## The Unit Prices Include:

### LABOR COSTS:

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

### EQUIPMENT COSTS:

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

### MATERIAL COSTS:

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

## The Adjustment Factors Include:

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

### BUSINESS COSTS:

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

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

### PROJECT RELATED COSTS:

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

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

### PRICE VARIATIONS:

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

### SUMMARY:

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

**Unit Price X Quantity X Adjustment Factor**

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

### General Rules:

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



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

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

#### DEMOLITION:

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

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

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

#### WORKING HEIGHT:

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

#### FIELD ENGINEERING:

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

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

### ASSEMBLIES:

- ☑ Assembly Tasks take precedence over individual component Tasks.

### RESTRICTED AND CONFINED SPACES:

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

### Or Equals:

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

### Useful Information:

#### UNIT OF MEASURE DEFINITIONS:

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

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

**MATERIAL WEIGHTS:**

**EARTHEN MATERIAL**

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

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

**BULK FACTORS FOR DEMOLITION:**

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

**CONVERSIONS:**

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

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

## STANDARD GEOMETRY:

### Circle

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

### Cylinder

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

### Sphere

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

### $\pi = 3.14159$

### United Inch

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

## TRADEMARKS

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

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 12 Furnishings

### 12 01 Operation and Maintenance of Furnishings <sup>(12)</sup>

#### 12 01 60 Operation and Maintenance of Multiple Seating <sup>(12 01)</sup>

<b>12 01 60 00-0001</b>	<b>Repair Fixed Auditorium Seating <sup>(12 01 60)</sup></b>		
12 01 60 00-0002	EA Removal And Replacement Of Hardwood/Plywood Auditorium Seat Part.....	163.74	
12 01 60 00-0003	EA Removal And Replacement Of Auditorium Seat Armrest Part.....	77.08	
12 01 60 00-0004	EA Removal And Replacement Of End Armrest Part.....	106.43	
12 01 60 00-0005	EA Removal And Replacement Of Auditorium Seat Kick Plate Part.....	120.60	
12 01 60 00-0006	EA Removal And Replacement Of Auditorium Seat Long Back Part.....	197.64	
12 01 60 00-0007	EA Removal And Replacement Of Auditorium Seat Center Standard Part.....	151.27	
12 01 60 00-0008	EA Removal And Replacement Of Auditorium Seat Back Bracket Part.....	63.17	
12 01 60 00-0009	EA Removal And Replacement Of Auditorium Seat Bracket Part.....	66.29	
12 01 60 00-0010	EA Secure Seat To Floor.....	62.38	
12 01 60 00-0011	EA Removal And Reinstallation Of Existing Auditorium Seat In Concrete Floor.....	69.93	
	Note: Includes drilling and fasteners.		
	For Epoxy Anchoring, Add		21.80

### 12 20 Window Treatments <sup>(12)</sup>

#### 12 21 Window Blinds <sup>(12 20)</sup>

##### 12 21 13 Horizontal Louver Blinds <sup>(12 21)</sup>

Note: Includes headrail, brackets, cords and all hardware.

##### 12 21 13 13 Metal Horizontal Louver Blinds <sup>(12 21 13)</sup>

##### 12 21 13 13-0001 Aluminum Horizontal Louver Blinds <sup>(12 21 13 13)</sup>

12 21 13 13-0002	SF 1/2" x 0.006" Slats, Aluminum Horizontal Louver Blinds.....	9.93	0.91
12 21 13 13-0003	SF 1" x 0.006" Slats, Aluminum Horizontal Louver Blinds.....	8.18	0.91
12 21 13 13-0004	SF 1" x 0.008" Slats, Aluminum Horizontal Louver Blinds.....	8.85	0.91
12 21 13 13-0005	SF 2" x 0.008" Slats, Aluminum Horizontal Louver Blinds.....	10.20	0.91

##### 12 21 13 33 Plastic Horizontal Louver Blinds <sup>(12 21 13)</sup>

##### 12 21 13 33-0001 Vinyl Horizontal Louver Blinds <sup>(12 21 13 33)</sup>

12 21 13 33-0002	SF 1" Slats, Vinyl Horizontal Louver Blinds.....	8.45	0.91
12 21 13 33-0003	SF 2" Slats, Vinyl Horizontal Louver Blinds.....	9.73	0.91

##### 12 21 16 Vertical Louver Blinds <sup>(12 21)</sup>

Note: Includes headrail, brackets, cords and all hardware.

##### 12 21 16 13 Metal Vertical Louver Blinds <sup>(12 21 16)</sup>

##### 12 21 16 13-0001 Aluminum Vertical Louver Blinds <sup>(12 21 16 13)</sup>

12 21 16 13-0002	SF 3-1/2" x 0.008" Slats, Aluminum Vertical Louver Blinds.....	11.82	1.94
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##### 12 21 16 33 Plastic Vertical Louver Blinds <sup>(12 21 16)</sup>

##### 12 21 16 33-0001 Vinyl Vertical Louver Blinds <sup>(12 21 16 33)</sup>

12 21 16 33-0002	SF 2" Slats, Vinyl Vertical Louver Blinds.....	7.83	1.94
12 21 16 33-0003	SF 3-1/2" Slats, Vinyl Vertical Louver Blinds.....	10.73	1.94

### 12 22 Curtains and Drapes <sup>(12 20)</sup>

#### 12 22 13 Draperies <sup>(12 22)</sup>

##### 12 22 13 00-0001 Lined Draperies <sup>(12 22 13)</sup>

Note: Width dimensions are the panel width at top excluding returns and overlaps.

##### 12 22 13 00-0002 Up To 48" Wide Lined Draperies <sup>(12 22 13 00-0001)</sup>

12 22 13 00-0003	EA Up To 39" Long, Up To 48" Wide Lined Draperies.....	310.27	13.88
12 22 13 00-0004	EA >39" To 63" Long, Up To 48" Wide Lined Draperies.....	322.96	13.88
12 22 13 00-0005	EA >63" To 72" Long, Up To 48" Wide Lined Draperies.....	343.60	13.88
12 22 13 00-0006	EA >72" To 81" Long, Up To 48" Wide Lined Draperies.....	351.53	13.88
12 22 13 00-0007	EA >81" To 90" Long, Up To 48" Wide Lined Draperies.....	370.58	13.88
12 22 13 00-0008	EA >90" To 99" Long, Up To 48" Wide Lined Draperies.....	395.97	13.88
12 22 13 00-0009	EA >99" To 108" Long, Up To 48" Wide Lined Draperies.....	411.84	13.88
12 22 13 00-0010	EA >108" To 120" Long, Up To 48" Wide Lined Draperies.....	434.06	13.88
12 22 13 00-0011	EA >120" To 130" Long, Up To 48" Wide Lined Draperies.....	468.98	13.88

##### 12 22 13 00-0012 >48" To 72" Wide Lined Draperies <sup>(12 22 13 00-0001)</sup>

12 22 13 00-0013	EA Up To 39" Long, >48" To 72" Wide Lined Draperies.....	450.40	18.88
12 22 13 00-0014	EA >39" To 63" Long, >48" To 72" Wide Lined Draperies.....	478.97	18.88
12 22 13 00-0015	EA >63" To 72" Long, >48" To 72" Wide Lined Draperies.....	501.19	18.88
12 22 13 00-0016	EA >72" To 81" Long, >48" To 72" Wide Lined Draperies.....	520.23	18.88

**12 Furnishings**  
**12 20 Window Treatments**  
**12 22 Curtains and Drapes**

MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

12 22 13 00-0017	EA	>81" To 90" Long, >48" To 72" Wide Lined Draperies.....	564.67	18.88
12 22 13 00-0018	EA	>90" To 99" Long, >48" To 72" Wide Lined Draperies.....	586.89	18.88
12 22 13 00-0019	EA	>99" To 108" Long, >48" To 72" Wide Lined Draperies.....	605.94	18.88
12 22 13 00-0020	EA	>108" To 120" Long, >48" To 72" Wide Lined Draperies.....	647.20	18.88
12 22 13 00-0021	EA	>120" To 130" Long, >48" To 72" Wide Lined Draperies.....	691.64	18.88
<b>12 22 13 00-0022</b>		<b>&gt;72" To 96" Wide Lined Draperies (12 22 13 00-0001)</b>		
12 22 13 00-0023	EA	Up To 39" Long, >72" To 96" Wide Lined Draperies.....	596.89	23.88
12 22 13 00-0024	EA	>39" To 63" Long, >72" To 96" Wide Lined Draperies.....	638.16	23.88
12 22 13 00-0025	EA	>63" To 72" Long, >72" To 96" Wide Lined Draperies.....	657.20	23.88
12 22 13 00-0026	EA	>72" To 81" Long, >72" To 96" Wide Lined Draperies.....	701.64	23.88
12 22 13 00-0027	EA	>81" To 90" Long, >72" To 96" Wide Lined Draperies.....	742.91	23.88
12 22 13 00-0028	EA	>90" To 99" Long, >72" To 96" Wide Lined Draperies.....	784.17	23.88
12 22 13 00-0029	EA	>99" To 108" Long, >72" To 96" Wide Lined Draperies.....	806.39	23.88
12 22 13 00-0030	EA	>108" To 120" Long, >72" To 96" Wide Lined Draperies.....	850.83	23.88
12 22 13 00-0031	EA	>120" To 130" Long, >72" To 96" Wide Lined Draperies.....	911.14	23.88
<b>12 22 13 00-0032</b>		<b>&gt;96" To 120" Wide Lined Draperies (12 22 13 00-0001)</b>		
12 22 13 00-0033	EA	Up To 39" Long, >96" To 120" Wide Lined Draperies.....	752.90	28.87
12 22 13 00-0034	EA	>39" To 63" Long, >96" To 120" Wide Lined Draperies.....	794.16	28.87
12 22 13 00-0035	EA	>63" To 72" Long, >96" To 120" Wide Lined Draperies.....	816.38	28.87
12 22 13 00-0036	EA	>72" To 81" Long, >96" To 120" Wide Lined Draperies.....	879.86	28.87
12 22 13 00-0037	EA	>81" To 90" Long, >96" To 120" Wide Lined Draperies.....	921.13	28.87
12 22 13 00-0038	EA	>90" To 99" Long, >96" To 120" Wide Lined Draperies.....	965.57	28.87
12 22 13 00-0039	EA	>99" To 108" Long, >96" To 120" Wide Lined Draperies.....	895.07	28.87
12 22 13 00-0040	EA	>108" To 120" Long, >96" To 120" Wide Lined Draperies.....	1,073.49	28.87
12 22 13 00-0041	EA	>120" To 130" Long, >96" To 120" Wide Lined Draperies.....	1,105.23	28.87
<b>12 22 13 00-0042</b>		<b>&gt;120" To 144" Wide Lined Draperies (12 22 13 00-0001)</b>		
12 22 13 00-0043	EA	Up To 39" Long, >120" To 144" Wide Lined Draperies.....	889.86	33.86
12 22 13 00-0044	EA	>39" To 63" Long, >120" To 144" Wide Lined Draperies.....	950.17	33.86
12 22 13 00-0045	EA	>63" To 72" Long, >120" To 144" Wide Lined Draperies.....	972.39	33.86
12 22 13 00-0046	EA	>72" To 81" Long, >120" To 144" Wide Lined Draperies.....	1,035.88	33.86
12 22 13 00-0047	EA	>81" To 90" Long, >120" To 144" Wide Lined Draperies.....	1,099.36	33.86
12 22 13 00-0048	EA	>90" To 99" Long, >120" To 144" Wide Lined Draperies.....	1,162.85	33.86
12 22 13 00-0049	EA	>99" To 108" Long, >120" To 144" Wide Lined Draperies.....	1,226.33	33.86
12 22 13 00-0050	EA	>108" To 120" Long, >120" To 144" Wide Lined Draperies.....	1,289.82	33.86
12 22 13 00-0051	EA	>120" To 130" Long, >120" To 144" Wide Lined Draperies.....	1,369.17	33.86
<b>12 22 13 00-0052</b>		<b>&gt;144" To 168" Wide Lined Draperies (12 22 13 00-0001)</b>		
12 22 13 00-0053	EA	Up To 39" Long, >144" To 168" Wide Lined Draperies.....	1,045.87	38.87
12 22 13 00-0054	EA	>39" To 63" Long, >144" To 168" Wide Lined Draperies.....	1,109.35	38.87
12 22 13 00-0055	EA	>63" To 72" Long, >144" To 168" Wide Lined Draperies.....	1,156.97	38.87
12 22 13 00-0056	EA	>72" To 81" Long, >144" To 168" Wide Lined Draperies.....	1,220.45	38.87
12 22 13 00-0057	EA	>81" To 90" Long, >144" To 168" Wide Lined Draperies.....	1,283.94	38.87
12 22 13 00-0058	EA	>90" To 99" Long, >144" To 168" Wide Lined Draperies.....	1,363.29	38.87
12 22 13 00-0059	EA	>99" To 108" Long, >144" To 168" Wide Lined Draperies.....	1,426.77	38.87
12 22 13 00-0060	EA	>108" To 120" Long, >144" To 168" Wide Lined Draperies.....	1,490.26	38.87
12 22 13 00-0061	EA	>120" To 130" Long, >144" To 168" Wide Lined Draperies.....	1,601.36	38.87
<b>12 22 13 00-0062</b>		<b>&gt;168" To 192" Wide Lined Draperies (12 22 13 00-0001)</b>		
12 22 13 00-0063	EA	Up To 39" Long, >168" To 192" Wide Lined Draperies.....	1,182.84	43.86
12 22 13 00-0064	EA	>39" To 63" Long, >168" To 192" Wide Lined Draperies.....	1,262.19	43.86
12 22 13 00-0065	EA	>63" To 72" Long, >168" To 192" Wide Lined Draperies.....	1,309.81	43.86
12 22 13 00-0066	EA	>72" To 81" Long, >168" To 192" Wide Lined Draperies.....	1,389.16	43.86
12 22 13 00-0067	EA	>81" To 90" Long, >168" To 192" Wide Lined Draperies.....	1,452.64	43.86
12 22 13 00-0068	EA	>90" To 99" Long, >168" To 192" Wide Lined Draperies.....	1,532.00	43.86
12 22 13 00-0069	EA	>99" To 108" Long, >168" To 192" Wide Lined Draperies.....	1,658.97	43.86
12 22 13 00-0070	EA	>108" To 120" Long, >168" To 192" Wide Lined Draperies.....	1,706.58	43.86
12 22 13 00-0071	EA	>120" To 130" Long, >168" To 192" Wide Lined Draperies.....	1,817.68	43.86
<b>12 22 13 00-0072</b>		<b>&gt;192" To 216" Wide Lined Draperies (12 22 13 00-0001)</b>		
12 22 13 00-0073	EA	Up To 39" Long, >192" To 216" Wide Lined Draperies.....	1,335.67	48.86
12 22 13 00-0074	EA	>39" To 63" Long, >192" To 216" Wide Lined Draperies.....	1,399.15	48.86
12 22 13 00-0075	EA	>63" To 72" Long, >192" To 216" Wide Lined Draperies.....	1,462.63	48.86
12 22 13 00-0076	EA	>72" To 81" Long, >192" To 216" Wide Lined Draperies.....	1,557.86	48.86
12 22 13 00-0077	EA	>81" To 90" Long, >192" To 216" Wide Lined Draperies.....	1,653.09	48.86
12 22 13 00-0078	EA	>90" To 99" Long, >192" To 216" Wide Lined Draperies.....	1,748.32	48.86
12 22 13 00-0079	EA	>99" To 108" Long, >192" To 216" Wide Lined Draperies.....	1,827.67	48.86
12 22 13 00-0080	EA	>108" To 120" Long, >192" To 216" Wide Lined Draperies.....	1,907.03	48.86
12 22 13 00-0081	EA	>120" To 130" Long, >192" To 216" Wide Lined Draperies.....	2,049.87	48.86
<b>12 22 13 00-0082</b>		<b>&gt;216" To 240" Wide Lined Draperies (12 22 13 00-0001)</b>		
12 22 13 00-0083	EA	Up To 39" Long, >216" To 240" Wide Lined Draperies.....	1,472.62	53.85
12 22 13 00-0084	EA	>39" To 63" Long, >216" To 240" Wide Lined Draperies.....	1,583.73	53.85
12 22 13 00-0085	EA	>63" To 72" Long, >216" To 240" Wide Lined Draperies.....	1,631.34	53.85
12 22 13 00-0086	EA	>72" To 81" Long, >216" To 240" Wide Lined Draperies.....	1,726.56	53.85

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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12 22 13 00-0087	EA		>81" To 90" Long, >216" To 240" Wide Lined Draperies.....	1,837.66	53.85
12 22 13 00-0088	EA		>90" To 99" Long, >216" To 240" Wide Lined Draperies.....	1,932.89	53.85
12 22 13 00-0089	EA		>99" To 108" Long, >216" To 240" Wide Lined Draperies.....	2,028.12	53.85
12 22 13 00-0090	EA		>108" To 120" Long, >216" To 240" Wide Lined Draperies.....	2,123.34	53.85
12 22 13 00-0091	EA		>120" To 130" Long, >216" To 240" Wide Lined Draperies.....	2,282.05	53.85

**12 22 16 Drapery Track and Accessories (12 22)**

12 22 16 00-0001			Metal Wall Or Ceiling Mount Drapery Tracks (12 22 16)		
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12 22 16 00-0002			Basic Traverse Rod (12 22 16 00-0001)		
12 22 16 00-0003	EA		Traverse Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track.....	118.58	43.49
12 22 16 00-0004	EA		Traverse Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track.....	135.24	43.49
12 22 16 00-0005	EA		Traverse Rod, 84" To 156" Extension Metal Wall Or Ceiling Mounted Track.....	159.13	48.33
12 22 16 00-0006	EA		Traverse Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track.....	211.16	48.33
12 22 16 00-0007	EA		Traverse Rod, 165" To 312" Extension Metal Wall Or Ceiling Mounted Track.....	221.20	53.16

12 22 16 00-0008			Traverse Rod With Stationary Curtain Rod (12 22 16 00-0001)		
12 22 16 00-0009	EA		Tray And Curtain Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track.....	134.54	43.49
12 22 16 00-0010	EA		Tray And Curtain Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track.....	145.30	43.49
12 22 16 00-0011	EA		Tray And Curtain Rod, 84" To 156" Extension Metal Wall Or Ceiling Mounted Track.....	184.47	48.33
12 22 16 00-0012	EA		Tray And Curtain Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track.....	211.14	53.16

12 22 16 00-0013			Double Traverse Rod (12 22 16 00-0001)		
12 22 16 00-0014	EA		Double Traverse Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track.....	161.96	43.49
12 22 16 00-0015	EA		Double Traverse Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track.....	194.59	43.49
12 22 16 00-0016	EA		Double Traverse Rod, 84" To 156" Extension Metal Wall Or Ceiling Mounted Track.....	241.57	48.33
12 22 16 00-0017	EA		Double Traverse Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track.....	262.16	53.16

12 22 16 00-0018			Curtain Rods (12 22 16 00-0001)		
12 22 16 00-0019	LF		Standard Metal Curtain Rod, White.....	8.98	1.99

12 22 16 00-0020			Relocate Drapery And Rod (12 22 16 00-0001)		
12 22 16 00-0021	LF		Relocate Any Type Of Drapery And Any Type Rod..... Note: Includes storage and cleaning.	29.00	

12 22 16 00-0022			Motorized Drapery Track (12 22 16)		
12 22 16 00-0023	EA		2' To 4' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,324.47	111.81
12 22 16 00-0024	EA		>4' To 5' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,381.68	123.00
12 22 16 00-0025	EA		>5' To 6' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,438.89	134.18
12 22 16 00-0026	EA		>6' To 7' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,496.10	145.36
12 22 16 00-0027	EA		>7' To 8' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,553.31	156.54
12 22 16 00-0028	EA		>8' To 9' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,610.52	167.73
12 22 16 00-0029	EA		>9' To 10' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,667.72	178.90
12 22 16 00-0030	EA		>10' To 11' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,724.94	190.09
12 22 16 00-0031	EA		>11' To 12' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,782.15	201.26
12 22 16 00-0032	EA		>12' To 13' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,839.35	212.45
12 22 16 00-0033	EA		>13' To 14' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,896.56	223.63
12 22 16 00-0034	EA		>14' To 15' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,953.78	234.81
12 22 16 00-0035	EA		>15' To 16' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,010.98	245.99
12 22 16 00-0036	EA		>16' To 17' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,068.19	257.18
12 22 16 00-0037	EA		>17' To 18' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,125.41	268.35
12 22 16 00-0038	EA		>18' To 19' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,182.61	279.54
12 22 16 00-0039	EA		>19' To 20' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,239.82	290.72
12 22 16 00-0040	EA		>20' To 21' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,297.03	301.90
12 22 16 00-0041	EA		>21' To 22' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,354.25	313.08
12 22 16 00-0042	EA		>22' To 23' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,411.45	324.26
12 22 16 00-0043	EA		>23' To 24' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,468.66	335.44

**12 24 Window Shades (12 20)**

**12 24 13 Roller Window Shades (12 24)**

12 24 13 00-0001			Roller Window Shades (12 24 13)		
12 24 13 00-0002			Vinyl Coated Fiberglass, Roller Window Shades (12 24 13 00-0001) Note: Includes roller, brackets, and stainless steel chain operator.		
12 24 13 00-0003	SF		0% Openness, Blackout, Vinyl Coated Fiberglass, Roller Window Shades.....	12.53	0.66
12 24 13 00-0004	SF		1% To 10% Openness, Vinyl Coated Fiberglass, Roller Window Shades.....	12.53	0.66

**12 24 13 00-0005 Polyvinyl Chloride (PVC) Free, Acrylic Backed Polyester, Roller Window Shades (12 24 13 00-0001)**

12 24 13 00-0006	SF		Note: Includes roller, brackets, and stainless steel chain operator. 0% Openness, Blackout, Polyvinyl Chloride (PVC) Free, Acrylic Backed Polyester, Roller Window Shades.....	15.97	0.66
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**12 Furnishings**

**12 20 Window Treatments**

**12 24 Window Shades**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

12 24 13 00-0007	Vinyl Coated Polyester, Roller Window Shades <small>(12 24 13 00-0001)</small>		
	Note: Includes roller, brackets, and stainless steel chain operator.		
12 24 13 00-0008	SF 1% To 10% Openness, Vinyl Coated Polyester, Roller Window Shades.....	12.53	0.66

12 30 Casework (12)

12 31 Manufactured Metal Casework (12 30)

**12 31 16 Manufactured Metal Sandwich Panel Casework (12 31)**

12 31 16 00-0001	34-1/2" High x 24" Deep, Stainless Steel Cabinets <small>(12 31 16)</small>		
12 31 16 00-0002	18 Gauge, #4 Finish, 304 Stainless Steel Base Cabinets <small>(12 31 16 00-0001)</small>		
12 31 16 00-0003	18" Stainless Steel Base Cabinet <small>(12 31 16 00-0002)</small>		
12 31 16 00-0004	EA 18" Stainless Steel Base Cabinet, No Doors Or Drawers .....	1,648.20	245.55
	<i>For 16 Gauge Stainless Steel, Add</i>	248.74	
	<i>For &gt;5 To 9, Deduct</i>	-60.74	
	<i>For &gt;9, Deduct</i>	-121.48	
12 31 16 00-0005	EA 18" Stainless Steel Base Cabinet, With 4 Drawers .....	2,630.88	245.55
	<i>For 16 Gauge Stainless Steel, Add</i>	460.02	
	<i>For &gt;5 To 9, Deduct</i>	-112.33	
	<i>For &gt;9, Deduct</i>	-224.66	
12 31 16 00-0006	EA 18" Stainless Steel Base Cabinet, With 3 Drawers .....	2,445.46	245.55
	<i>For 16 Gauge Stainless Steel, Add</i>	420.16	
	<i>For &gt;5 To 9, Deduct</i>	-102.60	
	<i>For &gt;9, Deduct</i>	-205.19	
12 31 16 00-0007	EA 18" Stainless Steel Base Cabinet, With 2 Drawers .....	2,260.03	245.55
	<i>For 16 Gauge Stainless Steel, Add</i>	380.29	
	<i>For &gt;5 To 9, Deduct</i>	-92.86	
	<i>For &gt;9, Deduct</i>	-185.72	
12 31 16 00-0008	EA 18" Stainless Steel Base Cabinet, With Doors And Drawers .....	2,197.11	245.55
	<i>For 16 Gauge Stainless Steel, Add</i>	366.76	
	<i>For &gt;5 To 9, Deduct</i>	-89.56	
	<i>For &gt;9, Deduct</i>	-179.12	
12 31 16 00-0009	24" Stainless Steel Base Cabinet <small>(12 31 16 00-0002)</small>		
12 31 16 00-0010	EA 24" Stainless Steel Base Cabinet, With Doors And Locks .....	2,355.24	265.39
	<i>For 16 Gauge Stainless Steel, Add</i>	392.18	
	<i>For &gt;5 To 9, Deduct</i>	-95.76	
	<i>For &gt;9, Deduct</i>	-191.53	
12 31 16 00-0011	EA 24" Stainless Steel Base Cabinet, With Door, No Locks .....	2,128.99	265.39
	<i>For 16 Gauge Stainless Steel, Add</i>	343.53	
	<i>For &gt;5 To 9, Deduct</i>	-83.89	
	<i>For &gt;9, Deduct</i>	-167.77	
12 31 16 00-0012	EA 24" Stainless Steel Base Cabinet, With Two Doors, No Locks .....	2,178.52	265.39
	<i>For 16 Gauge Stainless Steel, Add</i>	354.18	
	<i>For &gt;5 To 9, Deduct</i>	-86.49	
	<i>For &gt;9, Deduct</i>	-172.97	
12 31 16 00-0013	EA 24" Stainless Steel Base Cabinet, No Doors, 2 Drawers .....	2,408.80	265.39
	<i>For 16 Gauge Stainless Steel, Add</i>	403.69	
	<i>For &gt;5 To 9, Deduct</i>	-98.58	
	<i>For &gt;9, Deduct</i>	-197.15	
12 31 16 00-0014	EA 24" Stainless Steel Base Cabinet, With Doors And Drawers, No Locks .....	3,106.98	265.39
	<i>For 16 Gauge Stainless Steel, Add</i>	553.80	
	<i>For &gt;5 To 9, Deduct</i>	-135.23	
	<i>For &gt;9, Deduct</i>	-270.46	
12 31 16 00-0015	EA 24" Stainless Steel Base Cabinet, With Doors And Drawers, With Locks.....	3,406.20	265.39
	<i>For 16 Gauge Stainless Steel, Add</i>	618.13	
	<i>For &gt;5 To 9, Deduct</i>	-150.94	
	<i>For &gt;9, Deduct</i>	-301.88	
12 31 16 00-0016	30" Stainless Steel Base Cabinet <small>(12 31 16 00-0002)</small>		
12 31 16 00-0017	EA 30" Stainless Steel Base Cabinet, No Doors, No Drawers.....	2,086.86	279.67
	<i>For 16 Gauge Stainless Steel, Add</i>	328.46	
	<i>For &gt;5 To 9, Deduct</i>	-80.21	
	<i>For &gt;9, Deduct</i>	-160.41	
12 31 16 00-0018	EA 30" Stainless Steel Base Cabinet, With 4 Full Size Drawers .....	2,994.56	279.67
	<i>For 16 Gauge Stainless Steel, Add</i>	523.62	
	<i>For &gt;5 To 9, Deduct</i>	-127.86	
	<i>For &gt;9, Deduct</i>	-255.72	
12 31 16 00-0019	EA 30" Stainless Steel Base Cabinet, With Doors, Drawers And Locks.....	3,829.31	279.67
	<i>For 16 Gauge Stainless Steel, Add</i>	703.09	
	<i>For &gt;5 To 9, Deduct</i>	-171.68	
	<i>For &gt;9, Deduct</i>	-343.37	
12 31 16 00-0020	EA 30" Stainless Steel Base Cabinet, With Doors And Drawers, No Locks .....	3,530.08	279.67
	<i>For 16 Gauge Stainless Steel, Add</i>	638.76	
	<i>For &gt;5 To 9, Deduct</i>	-155.98	
	<i>For &gt;9, Deduct</i>	-311.95	
12 31 16 00-0021	EA 30" Stainless Steel Base Cabinet, With Doors And One Full Size Drawer.....	3,344.66	279.67
	<i>For 16 Gauge Stainless Steel, Add</i>	598.89	
	<i>For &gt;5 To 9, Deduct</i>	-146.24	
	<i>For &gt;9, Deduct</i>	-292.48	



MINOR	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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12 31 16 00-0022	EA	30" Stainless Steel Base Cabinet, With Doors, No Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	2,592.26 437.13 -106.74 -213.48	279.67
12 31 16 00-0023	EA	30" Stainless Steel Base Cabinet, With Doors And Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	2,569.50 432.23 -105.54 -211.09	279.67
<b>12 31 16 00-0024      36" Stainless Steel Base Cabinet (12 31 16 00-0002)</b>				
12 31 16 00-0025	EA	36" Stainless Steel Base Cabinet, No Doors, No Drawers ..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	2,300.02 369.35 -90.19 -180.38	290.77
12 31 16 00-0026	EA	36" Stainless Steel Base Cabinet, With Doors And Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	2,783.33 473.26 -115.56 -231.13	290.77
12 31 16 00-0027	EA	36" Stainless Steel Base Cabinet, With Door, No Lock ..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	2,605.27 434.98 -106.22 -212.43	290.77
12 31 16 00-0028	EA	36" Stainless Steel Base Cabinet, With Doors, Drawers And Lock..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	4,040.46 743.55 -181.56 -363.13	290.77
12 31 16 00-0029	EA	36" Stainless Steel Base Cabinet, With Doors, Drawers, No Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	3,741.91 679.36 -165.89 -331.78	290.77
<b>12 31 16 00-0030      42" Stainless Steel Base Cabinet (12 31 16 00-0002)</b>				
12 31 16 00-0031	EA	42" Stainless Steel Base Cabinet, No Doors, No Drawers ..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	2,415.54 386.45 -94.37 -188.73	309.01
12 31 16 00-0032	EA	42" Stainless Steel Base Cabinet, With Doors, Drawers And Lock..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	4,262.42 783.53 -191.33 -382.65	309.01
12 31 16 00-0033	EA	42" Stainless Steel Base Cabinet, With Doors, Drawers, No Lock ..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	3,963.20 719.20 -175.62 -351.24	309.01
12 31 16 00-0034	EA	42" Stainless Steel Base Cabinet, No Doors, 2 Drawers ..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	3,653.26 652.56 -159.35 -318.69	309.01
12 31 16 00-0035	EA	42" Stainless Steel Base Cabinet, With Doors, No Lock..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	2,827.89 475.11 -116.01 -232.03	309.01
12 31 16 00-0036	EA	42" Stainless Steel Base Cabinet, With Doors And Lock..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	3,003.28 512.82 -125.22 -250.44	309.01
<b>12 31 16 00-0037      48" Stainless Steel Base Cabinet (12 31 16 00-0002)</b>				
12 31 16 00-0038	EA	48" Stainless Steel Base Cabinet, With Doors, Drawers And Lock..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	4,467.82 824.73 -201.39 -402.77	316.15
12 31 16 00-0039	EA	48" Stainless Steel Base Cabinet, With Doors, Drawers, No Lock ..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	4,169.27 760.54 -185.71 -371.43	316.15
12 31 16 00-0040	EA	48" Stainless Steel Base Cabinet, No Doors, No Drawers ..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	2,620.95 427.65 -104.43 -208.85	316.15
12 31 16 00-0041	EA	48" Stainless Steel Base Cabinet, No Doors, 2 Drawers ..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	3,859.34 693.91 -169.44 -338.88	316.15
12 31 16 00-0042	EA	48" Stainless Steel Base Cabinet, With Doors, And Lock..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	3,210.69 554.45 -135.39 -270.78	316.15
12 31 16 00-0043	EA	48" Stainless Steel Base Cabinet, With Doors, No Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	3,162.49 544.08 -132.86 -265.72	316.15
<b>12 31 16 00-0044      60" Stainless Steel Base Cabinet (12 31 16 00-0002)</b>				

**12 Furnishings****12 30 Casework****12 31 Manufactured Metal Casework**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
12 31 16 00-0045	EA 24" Deep x 60" Wide Stainless Steel Sink Base Cabinet..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	3,133.08 533.60 -130.30 -260.59	325.78
<b>12 31 16 00-0046</b>	<b>18 Gauge, #4 Finish, 304 Stainless Steel Wall Cabinets (12 31 16 00-0001)</b>		
<b>12 31 16 00-0047</b>	<b>12" Wide Stainless Steel Wall Cabinets (12 31 16 00-0046)</b>		
12 31 16 00-0048	EA 12"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,247.37 227.98 -55.67 -111.34	93.48
12 31 16 00-0049	EA 12"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,244.42 224.91 -54.92 -109.84	99.15
<b>12 31 16 00-0050</b>	<b>18" Wide Stainless Steel Wall Cabinets (12 31 16 00-0046)</b>		
12 31 16 00-0051	EA 18"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,308.42 238.06 -58.13 -116.26	100.51
12 31 16 00-0052	EA 18"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,235.46 222.38 -54.30 -108.60	100.51
12 31 16 00-0053	EA 18"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,446.61 263.99 -64.46 -128.92	109.35
12 31 16 00-0054	EA 18"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,401.76 254.35 -62.11 -124.22	109.35
<b>12 31 16 00-0055</b>	<b>24" Wide Stainless Steel Wall Cabinets (12 31 16 00-0046)</b>		
12 31 16 00-0056	EA 24"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Door..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,094.82 187.55 -45.80 -91.60	111.28
12 31 16 00-0057	EA 24"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,476.37 269.59 -65.83 -131.66	111.28
12 31 16 00-0058	EA 24"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,404.08 254.04 -62.03 -124.07	111.28
12 31 16 00-0059	EA 24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,389.70 254.06 -62.04 -124.07	103.91
12 31 16 00-0060	EA 24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,312.72 237.51 -58.00 -115.99	103.91
12 31 16 00-0061	EA 24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Glass Door, No Lock..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,673.53 315.08 -76.94 -153.88	103.91
12 31 16 00-0062	EA 24"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,003.46 171.02 -41.76 -83.52	103.91
12 31 16 00-0063	EA 24"W x 12"D x 18"H Stainless Steel Wall Cabinet, No Doors..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	945.20 160.57 -39.21 -78.42	99.15
<b>12 31 16 00-0064</b>	<b>30" Wide Stainless Steel Wall Cabinets (12 31 16 00-0046)</b>		
12 31 16 00-0065	EA 30"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,908.12 359.42 -87.77 -175.53	118.19
12 31 16 00-0066	EA 30"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,732.74 321.71 -78.56 -157.12	118.19
12 31 16 00-0067	EA 30"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,175.13 201.83 -49.28 -98.57	118.19

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0068	EA		30"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,814.08 343.23 -83.81 -167.63	108.78
12 31 16 00-0069	EA		30"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Lock ..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,638.70 305.53 -74.61 -149.21	108.78
12 31 16 00-0070	EA		30"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,081.09 185.64 -45.33 -90.66	108.78
12 31 16 00-0071	EA		30"W x 12"D x 18"H Stainless Steel Wall Cabinet, No Doors..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,022.41 175.25 -42.79 -85.59	103.68
<b>12 31 16 00-0072</b>			<b>36" Wide Stainless Steel Wall Cabinets</b> (12 31 16 00-0046)		
12 31 16 00-0073	EA		36"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,983.97 374.27 -91.39 -182.79	121.59
12 31 16 00-0074	EA		36"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks ..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,804.57 335.70 -81.97 -163.95	121.59
12 31 16 00-0075	EA		36"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,250.98 216.68 -52.91 -105.82	121.59
12 31 16 00-0076	EA		36"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,888.72 358.24 -87.48 -174.96	111.28
12 31 16 00-0077	EA		36"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks ..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,714.01 320.68 -78.31 -156.61	111.28
12 31 16 00-0078	EA		36"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,155.73 200.65 -49.00 -97.99	111.28
12 31 16 00-0079	EA		36"W x 12"D x 18"H Stainless Steel Wall Cabinet, With Doors, No Locks ..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,098.26 190.56 -46.53 -93.06	105.95
<b>12 31 16 00-0080</b>			<b>42" Wide Stainless Steel Wall Cabinets</b> (12 31 16 00-0046)		
12 31 16 00-0081	EA		42"W x 12"D x 42"H Stainless Steel Wall Cabinet, With Doors, No Locks ..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	2,085.95 382.75 -93.46 -186.93	152.98
12 31 16 00-0082	EA		42"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	2,087.29 386.72 -94.43 -188.87	144.36
12 31 16 00-0083	EA		42"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks ..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,909.23 348.44 -85.08 -170.17	144.36
12 31 16 00-0084	EA		42"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,352.96 228.84 -55.88 -111.76	144.36
12 31 16 00-0085	EA		42"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,964.13 370.16 -90.39 -180.77	121.24
12 31 16 00-0086	EA		42"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks ..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,787.41 332.16 -81.11 -162.22	121.24
12 31 16 00-0087	EA		42"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,231.13 212.56 -51.90 -103.81	121.24
<b>12 31 16 00-0088</b>			<b>48" Wide Stainless Steel Wall Cabinets</b> (12 31 16 00-0046)		
12 31 16 00-0089	EA		48"W x 12"D x 42"H Stainless Steel Wall Cabinet, No Doors, No Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,841.44 328.86 -80.30 -160.60	152.98
12 31 16 00-0090	EA		48"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	2,161.66 401.31 -97.99 -195.99	147.54

**12 Furnishings**

**12 30 Casework**

**12 31 Manufactured Metal Casework**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
12 31 16 00-0091	EA 48"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,986.28 363.60 -88.79 -177.57	147.54
12 31 16 00-0092	EA 48"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,428.67 243.72 -59.51 -119.02	147.54
12 31 16 00-0093	EA 48"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	2,037.29 385.36 -94.10 -188.20	122.38
12 31 16 00-0094	EA 48"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,862.57 347.79 -84.93 -169.85	122.38
12 31 16 00-0095	EA 48"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,304.29 227.76 -55.62 -111.23	122.38
12 31 16 00-0096	<b>Accessories (12 31 16 00-0001)</b>		
12 31 16 00-0097	<b>Stainless Steel Countertops (12 31 16 00-0096)</b> Note: Includes all finishes, finished ends and all edge types such as straight, bullnose, eased, marine, etc. Excludes sinks.		
12 31 16 00-0098	SF 16 Gauge Stainless Steel Countertop With Backsplash ..... <i>For 14 Gauge Stainless Steel, Add</i>	127.16 25.35	6.23
12 31 16 00-0099	SF 16 Gauge Stainless Steel Countertop Without Backsplash ..... <i>For 14 Gauge Stainless Steel, Add</i>	116.43 22.98	6.23
12 31 16 00-0100	EA Cutout For Sink And/Or Faucet In Stainless Steel Countertop .....	166.49	
12 31 16 00-0101	<b>Stainless Steel Wall Panels (12 31 16 00-0096)</b>		
12 31 16 00-0102	SF 20 Gauge Stainless Steel Wall Panel ..... <i>For 18 Gauge Stainless Steel, Add</i> <i>For 16 Gauge Stainless Steel, Add</i>	33.63 4.09 7.88	9.29
12 31 16 00-0103	<b>Pedestal Legs (12 31 16 00-0096)</b>		
12 31 16 00-0104	EA Type #304 Stainless Steel Pedestal Leg .....	270.22	14.17
12 31 16 00-0105	<b>Stainless Steel Slanted Cabinet Top Enclosure (12 31 16 00-0096)</b>		
12 31 16 00-0106	EA Stainless Steel Slanted Cabinet Top Enclosure, 5' Sections .....	300.70	27.76
12 35	<b>Specialty Casework (12 30)</b>		
12 35 70	<b>Healthcare Casework (12 35)</b>		
12 35 70 13	<b>Hospital Casework (12 35 70)</b>		
12 35 70 13-0001	<b>Modular Casework (12 35 70 13)</b> Note: Midmark.		
12 35 70 13-0002	EA 36" High, 2 Doors, Base Sink Unit (Midmark MC-SBS005-243624) .....	754.87	81.47
12 35 70 13-0003	EA 36" High, 2 Doors, Base Sink Unit (Midmark MC-SBS005-363624) .....	936.42	101.84
12 35 70 13-0004	EA 36" High, 2 Doors, Base Sink Unit With Tap Master Valve (Midmark MC-SBS009-243624) .....	1,306.84	81.47
12 35 70 13-0005	EA 36" High Base Sink Unit, 2 Doors With Tap Master Valve (Midmark MC-SBS009-363624) .....	1,501.64	101.84
12 35 70 13-0006	EA 36" High Base Storage Unit, 1 Door (Midmark MC-SBP006-243624) .....	853.12	81.47
12 35 70 13-0007	EA 36" High Base Storage Unit, 2 Doors (Midmark MC-SBP007-363624) .....	1,146.17	101.84
12 35 70 13-0008	EA 36" High Base Storage Unit, 1 4" Drawer, 1 Door (Midmark MC-SBP012-153624) .....	856.44	81.47
12 35 70 13-0009	EA 36" High Base Storage Unit, 1 4" Drawer, 1 Door (Midmark MC-SBP012-183624) .....	921.57	81.47
12 35 70 13-0010	EA 36" High Base Storage Unit, 1 4" Drawer, 1 Door (Midmark MC-SBP012-213624) .....	977.87	81.47
12 35 70 13-0011	EA 36" High Base Storage Unit, 1 4" Drawer, 2 Doors (Midmark MC-SBP013-303624) .....	1,222.34	101.84
12 35 70 13-0012	EA 36" High Base Storage Unit, 1 4" Drawer, 2 Doors (Midmark MC-SBP013-363624) .....	1,241.11	101.84
12 35 70 13-0013	EA 36" High Base Storage Unit, 2 4" Drawer, 2 Doors (Midmark MC-SBP020-243624) .....	1,146.77	81.47
12 35 70 13-0014	EA 36" High Base Storage Unit, 2 4" Drawer, 2 Doors (Midmark MC-SBP020-303624) .....	1,332.73	101.84
12 35 70 13-0015	EA 36" High Base Storage Unit, 2 4" Drawer, 2 Doors (Midmark MC-SBP020-363624) .....	1,373.58	101.84
12 35 70 13-0016	EA 36" High Base Storage Unit, 1 4" Drawer, 2 8" Drawers (Midmark MC-SBP024-123624) .....	1,004.36	81.47
12 35 70 13-0017	EA 36" High Base Storage Unit, 1 4" Drawer, 2 8" Drawers (Midmark MC-SBP024-153624) .....	1,033.07	81.47
12 35 70 13-0018	EA 36" High Base Storage Unit, 1 4" Drawer, 2 8" Drawers (Midmark MC-SBP024-183624) .....	1,107.03	81.47
12 35 70 13-0019	EA 36" High Base Storage Unit, 2 4" Drawer, 2 8" Drawers (Midmark MC-SBP025-303624) .....	1,841.65	101.84
12 35 70 13-0020	EA 36" High Base Storage Unit, 2 4" Drawer, 2 8" Drawers (Midmark MC-SBP025-363624) .....	1,945.42	101.84
12 35 70 13-0021	EA 36" High Base Storage Unit, 5 4" Drawer (Midmark MC-SBP032-153624) .....	1,293.60	81.47
12 35 70 13-0022	EA 36" High Base Storage Unit, 5 4" Drawer (Midmark MC-SBP032-183624) .....	1,369.77	81.47
12 35 70 13-0023	EA 36" High Base Storage Unit, 5 4" Drawer (Midmark MC-SBP032-213624) .....	1,501.14	81.47
12 35 70 13-0024	EA 84" High Tall Storage Unit, 2 Doors (Midmark MC-STP032-368424) .....	2,637.75	244.41
12 35 70 13-0025	EA 84" High Tall Storage Unit, Open Upper With Pull Out Shelf, 1 4" Drawer, 2 Doors (Midmark MC-STP081-248424) .....	2,424.69	244.41
12 35 70 13-0026	EA Desk Filler Panel (Midmark MC-SDA003-060501) .....	99.85	20.37
12 35 70 13-0027	EA 30" High Overhead Unit, 1 Door (Midmark MC-SOHO41-123014) .....	551.75	81.47
12 35 70 13-0028	EA 30" High Overhead Unit, 1 Door (Midmark MC-SOHO41-153014) .....	541.81	81.47
12 35 70 13-0029	EA 30" High Overhead Unit, 1 Door (Midmark MC-SOHO41-183014) .....	577.14	81.47
12 35 70 13-0030	EA 30" High Overhead Unit, 1 Door (Midmark MC-SOHO41-213014) .....	624.61	81.47
12 35 70 13-0031	EA 30" High Overhead Unit, 2 Doors (Midmark MC-SOHO42-243014) .....	678.70	81.47
12 35 70 13-0032	EA 30" High Overhead Unit, 2 Doors (Midmark MC-SOHO42-303014) .....	777.45	101.84

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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12 35 70 13-0033	EA	30" High Overhead Unit, 2 Doors (Midmark MC-SOHO42-363014)	842.58	101.84
12 35 70 13-0034	EA	30" High Overhead Unit, 2 Window Doors (Midmark MC-SOHO44-303014)	1,032.46	101.84
12 35 70 13-0035	EA	30" High Overhead Unit, 2 Window Doors (Midmark MC-SOHO44-363014)	1,147.27	101.84
12 35 70 13-0036	LF	19" Self Edge Laminate Countertop With Backsplash	143.60	16.65
12 35 70 13-0037	LF	25" Self Edge Laminate Countertop With Backsplash	279.78	22.19
12 35 70 13-0038	SF	Melamine Wall Cabinet Inner Soffit	36.70	13.88

Note: Includes blocking

### 12 35 70 19 Exam Room Casework (12 35 70)

12 35 70 19-0001		Medical Exam Room Cabinetwork <small>(12 35 70 19)</small>		
12 35 70 19-0002		Medical Exam Room Wall Cabinets <small>(12 35 70 19-0001)</small>		
12 35 70 19-0003		Medical Exam Room Wall Cabinets (Clinton Industries®) <small>(12 35 70 19-0002)</small>		
		Note: Includes all laminate construction, chip resistant PVC edges, hinges, one shelf behind doors, mounting hardware, door pulls and flush-face doors.		
12 35 70 19-0004	EA	24" Width, 12" Height, 12" Depth, 2 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8212)	436.66	34.40
		For Additional Shelf, Add	38.24	
		For Lock And Inside Latch Combo For Double Doors, Add	88.78	
12 35 70 19-0005	EA	24" Width, 24" Height, 12" Depth, 2 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8224)	474.91	34.40
		For Additional Shelf, Add	38.24	
		For Lock And Inside Latch Combo For Double Doors, Add	88.78	
12 35 70 19-0006	EA	36" Width, 24" Height, 12" Depth, 2 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8236)	769.14	44.95
		For Additional Shelf, Add	38.24	
		For Lock And Inside Latch Combo For Double Doors, Add	89.20	
12 35 70 19-0007	EA	42" Width, 24" Height, 12" Depth, 2 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8242)	837.31	47.18
		For Additional Shelf, Add	38.24	
		For Lock And Inside Latch Combo For Double Doors, Add	89.28	
12 35 70 19-0008	EA	48" Width, 24" Height, 12" Depth, 2 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8248)	924.11	50.50
		For Additional Shelf, Add	38.24	
		For Lock And Inside Latch Combo For Double Doors, Add	89.42	
12 35 70 19-0009	EA	54" Width, 24" Height, 12" Depth, 3 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8254)	1,043.66	53.83
		For Additional Shelf, Add	38.24	
		For Lock For Single Door/Drawer, Add	60.41	
		For Lock And Inside Latch Combo For Double Doors, Add	89.55	
12 35 70 19-0010	EA	66" Width, 24" Height, 12" Depth, 3 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8266)	1,200.75	57.72
		For Additional Shelf, Add	38.24	
		For Lock For Single Door/Drawer, Add	60.56	
		For Lock And Inside Latch Combo For Double Doors, Add	89.70	
12 35 70 19-0011	EA	72" Width, 24" Height, 12" Depth, 3 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8272)	1,271.15	61.05
		For Additional Shelf, Add	38.24	
		For Lock For Single Door/Drawer, Add	60.70	
		For Lock And Inside Latch Combo For Double Doors, Add	89.84	
12 35 70 19-0012		Medical Exam Room Base Cabinets <small>(12 35 70 19-0001)</small>		
12 35 70 19-0013		Medical Exam Room Base Cabinets (Ritter®) <small>(12 35 70 19-0012)</small>		
		Note: Includes polymer covered drawers and door fronts, hinges, mounting hardware, door pulls, flush-face doors, Pebble Grey Kydex top.		
12 35 70 19-0014	EA	24" Width, 36" Height, 18" Depth, 2 Doors And 1 Drawer, Medical Exam Room Base Cabinet (Ritter® 2060)	1,453.64	84.91
		For Lock For Single Door/Drawer, Add	61.64	
		For Soft Edge Top, Add	446.15	
12 35 70 19-0015	EA	24" Width, 36" Height, 18" Depth, 2 Doors And 2 Drawers, Medical Exam Room Base Cabinet (Ritter® 2061-001)	1,502.80	84.91
		For Lock For Single Door/Drawer, Add	61.64	
		For Soft Edge Top, Add	446.15	
12 35 70 19-0016	EA	24" Width, 36" Height, 18" Depth, 5 Drawers, Medical Exam Room Base Cabinet (Ritter® 2062-001)	1,684.90	84.91
		For Lock For Single Door/Drawer, Add	61.64	
		For Soft Edge Top, Add	446.15	
12 35 70 19-0017	EA	24" Width, 36" Height, 24" Depth, 2 Doors And 2 Drawers, Medical Exam Room Base Cabinet (Ritter® 2061-002)	1,699.47	84.91
		For Lock For Single Door/Drawer, Add	61.64	
		For Soft Edge Top, Add	446.15	
12 35 70 19-0018	EA	24" Width, 36" Height, 24" Depth, 5 Drawers, Medical Exam Room Base Cabinet (Ritter® 2062-002)	1,917.99	84.91
		For Lock For Single Door/Drawer, Add	61.64	
		For Soft Edge Top, Add	446.15	
12 35 70 19-0019		Medical Exam Room Base Cabinets (Clinton Industries®) <small>(12 35 70 19-0012)</small>		
		Note: Includes all laminate construction, chip resistant PVC edges, hinges, one shelf behind doors, mounting hardware, door pulls, flush-face doors and countertop.		
12 35 70 19-0020	EA	24" Width, 35" Height, 18" Depth, 2 Doors, Medical Exam Room Base Cabinet With Sink And Desk (Clinton Industries® 76)	778.27	138.74
		Note: Includes stainless steel sink and faucet.		
		For Additional Shelf, Add	38.24	
		For Lock For Single Door/Drawer, Add	63.78	
		For Lock And Inside Latch Combo For Double Doors, Add	92.92	
12 35 70 19-0021	EA	24" Width, 35" Height, 18" Depth, 2 Doors And 1 Drawer, Medical Exam Room Base Cabinet (Clinton Industries® 8024)	1,025.70	84.91
		For Additional Shelf, Add	38.24	
		For Lock For Single Door/Drawer, Add	61.64	
		For Lock And Inside Latch Combo For Double Doors, Add	90.78	
12 35 70 19-0022	EA	36" Width, 35" Height, 18" Depth, 2 Doors And 2 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8036)	1,474.73	95.45
		For Additional Shelf, Add	38.24	
		For Lock For Single Door/Drawer, Add	62.06	
		For Lock And Inside Latch Combo For Double Doors, Add	91.20	

**12 Furnishings****12 30 Casework****12 35 Specialty Casework**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

12 35 70 19-0023	EA	42" Width, 35" Height, 18" Depth, 3 Doors And 2 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8042) .....	1,595.88	103.22
		<i>For Additional Shelf, Add</i> .....	38.24	
		<i>For Lock For Single Door/Drawer, Add</i> .....	62.37	
		<i>For Lock And Inside Latch Combo For Double Doors, Add</i> .....	91.51	
12 35 70 19-0024	EA	48" Width, 35" Height, 18" Depth, 4 Doors And 2 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8048) .....	1,742.71	116.55
		<i>For Additional Shelf, Add</i> .....	38.24	
		<i>For Lock For Single Door/Drawer, Add</i> .....	62.90	
		<i>For Lock And Inside Latch Combo For Double Doors, Add</i> .....	92.04	
12 35 70 19-0025	EA	54" Width, 35" Height, 18" Depth, 3 Doors And 3 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8054) .....	2,094.42	124.87
		<i>For Additional Shelf, Add</i> .....	38.24	
		<i>For Lock For Single Door/Drawer, Add</i> .....	63.23	
		<i>For Lock And Inside Latch Combo For Double Doors, Add</i> .....	92.37	
12 35 70 19-0026	EA	66" Width, 35" Height, 18" Depth, 3 Doors And 3 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8066) .....	2,313.20	133.20
		<i>For Additional Shelf, Add</i> .....	38.24	
		<i>For Lock For Single Door/Drawer, Add</i> .....	63.56	
		<i>For Lock And Inside Latch Combo For Double Doors, Add</i> .....	92.70	
12 35 70 19-0027	EA	66" Width, 35" Height, 18" Depth, 3 Doors And 3 Drawers, Medical Exam Room Base Cabinet With Sink And Desk (Clinton Industries® 8042-99) .....	2,475.36	194.24
		Note: Includes stainless steel sink and faucet.		
		<i>For Additional Shelf, Add</i> .....	38.24	
		<i>For Lock For Single Door/Drawer, Add</i> .....	65.99	
		<i>For Lock And Inside Latch Combo For Double Doors, Add</i> .....	95.13	
12 35 70 19-0028	EA	72" Width, 35" Height, 18" Depth, 6 Doors And 3 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8072) .....	2,466.43	141.52
		<i>For Additional Shelf, Add</i> .....	38.24	
		<i>For Lock For Single Door/Drawer, Add</i> .....	63.89	
		<i>For Lock And Inside Latch Combo For Double Doors, Add</i> .....	93.03	
12 35 70 19-0029	EA	72" Width, 35" Height, 18" Depth, 2 Doors And 6 Drawers, Medical Exam Room Base Cabinet With Sink And Desk (Clinton Industries® 8048-99) .....	2,832.63	205.34
		Note: Includes stainless steel sink and faucet.		
		<i>For Additional Shelf, Add</i> .....	38.24	
		<i>For Lock For Single Door/Drawer, Add</i> .....	66.43	
		<i>For Lock And Inside Latch Combo For Double Doors, Add</i> .....	95.57	

**12 35 70 19-0030 Medical Exam Room Cabinet Combinations** (12 35 70 19-0001)

**12 35 70 19-0031 Medical Exam Room Cabinet Combinations (Ritter®)** (12 35 70 19-0030)

Note: Includes base cabinet and overhead cabinet, powder coated steel shell, polymer covered drawers and door fronts, hinges, mounting hardware, door pulls, flush-face doors and laminate countertop.

12 35 70 19-0032	EA	48" Width, 36" Height, 18" Depth, 1 Door And 1 Drawer, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Basic) .....	2,365.24	166.49
		<i>For Locks On Single Drawer And All Doors, Add</i> .....	579.90	
12 35 70 19-0033	EA	48" Width, 36" Height, 18" Depth, 2 Doors And 1 Drawer, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Basic) .....	2,436.26	166.49
		<i>For Locks On Single Drawer And All Doors, Add</i> .....	579.90	
12 35 70 19-0034	EA	48" Width, 36" Height, 18" Depth, 1 Door And 1 Drawer, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Basic) .....	2,962.09	210.89
		Note: Includes stainless steel sink and faucet.		
		<i>For Locks On Single Drawer And All Doors, Add</i> .....	582.55	
12 35 70 19-0035	EA	48" Width, 36" Height, 18" Depth, 2 Doors And 1 Drawer, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Basic) .....	3,064.06	210.89
		Note: Includes stainless steel sink and faucet.		
		<i>For Locks On Single Drawer And All Doors, Add</i> .....	582.55	
12 35 70 19-0036	EA	48" Width, 36" Height, 18" Depth, 1 Door And 2 Drawers, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Basic Value) .....	2,727.62	166.49
		<i>For Locks On Single Drawer And All Doors, Add</i> .....	579.90	
12 35 70 19-0037	EA	48" Width, 36" Height, 18" Depth, 2 Doors And 2 Drawers, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Basic Value) .....	2,800.47	166.49
		<i>For Locks On Single Drawer And All Doors, Add</i> .....	579.90	
12 35 70 19-0038	EA	48" Width, 36" Height, 18" Depth, 1 Door And 2 Drawers, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Basic Value) .....	3,541.17	210.89
		Note: Includes stainless steel sink and faucet.		
		<i>For Locks On Single Drawer And All Doors, Add</i> .....	582.55	
12 35 70 19-0039	EA	48" Width, 36" Height, 18" Depth, 2 Doors And 2 Drawers, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Basic Value) .....	3,610.37	210.89
		Note: Includes stainless steel sink and faucet.		
		<i>For Locks On Single Drawer And All Doors, Add</i> .....	582.55	
12 35 70 19-0040	EA	48" Width, 36" Height, 18" Depth, 1 Door And 4 Drawers, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Managed Care) .....	3,088.19	166.49
		<i>For Locks On Single Drawer And All Doors, Add</i> .....	579.90	
12 35 70 19-0041	EA	48" Width, 36" Height, 18" Depth, 2 Doors And 4 Drawers, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Managed Care) .....	3,164.67	166.49
		<i>For Locks On Single Drawer And All Doors, Add</i> .....	579.90	
12 35 70 19-0042	EA	48" Width, 36" Height, 18" Depth, 1 Door And 4 Drawers, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Managed Care) .....	3,903.55	210.89
		Note: Includes stainless steel sink and faucet.		
		<i>For Locks On Single Drawer And All Doors, Add</i> .....	582.55	
12 35 70 19-0043	EA	48" Width, 36" Height, 18" Depth, 2 Doors And 4 Drawers, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Managed Care) .....	3,978.21	210.89
		Note: Includes stainless steel sink and faucet.		
		<i>For Locks On Single Drawer And All Doors, Add</i> .....	582.55	
12 35 70 19-0044	EA	48" Width, 36" Height, 18" Depth, 1 Door And 4 Drawers, Medical Exam Room Base Cabinet With Desk And Overhead Cabinet (Ritter® Traditional) .....	3,496.79	188.69
		<i>For Locks On Single Drawer And All Doors, Add</i> .....	581.23	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 35 70 19-0045	EA		48" Width, 36" Height, 18" Depth, 2 Doors And 4 Drawers, Medical Exam Room Base Cabinet With Desk And Overhead Cabinet (Ritter® Traditional) ..... <i>For Locks On Single Drawer And All Doors, Add</i>	3,565.99 581.23	188.69
12 35 70 19-0046	EA		48" Width, 36" Height, 18" Depth, 1 Door And 4 Drawers, Medical Exam Room Base Cabinet With Sink, Desk And Overhead Cabinet (Ritter® Traditional) ..... <i>Note: Includes stainless steel sink and faucet. For Locks On Single Drawer And All Doors, Add</i>	4,310.33 583.87	233.09
12 35 70 19-0047	EA		48" Width, 36" Height, 18" Depth, 2 Doors And 4 Drawers, Medical Exam Room Base Cabinet With Sink, Desk And Overhead Cabinet (Ritter® Traditional) ..... <i>Note: Includes stainless steel sink and faucet. For Locks On Single Drawer And All Doors, Add</i>	4,392.28 583.87	233.09

**12 36 Countertops (12 30)**
**12 36 23 Plastic Countertops (12 36)**
**12 36 23 13 Plastic-Laminate-Clad Countertops (12 36 23)**
**12 36 23 13-0001 Plastic Laminate Countertops (12 36 23 13)**

Note: Includes plywood, medium-density fiberboard (MDF), or particleboard substrates, finished ends, and all edge types such as bullnose, ogee, roundover, bevel, etc.

12 36 23 13-0002	SF		Plastic Laminate Countertop Without Backsplash .....	17.44	11.10
12 36 23 13-0003	SF		Plastic Laminate Countertop With 4" Backsplash .....	23.19	11.10
12 36 23 13-0004	LF		Plastic Laminate End Splash For Plastic Laminate Countertops .....	27.46	3.33
12 36 23 13-0005	EA		Cutout For Sink And/Or Faucet In Plastic Laminate Countertop .....	92.49	

**12 36 61 Simulated Stone Countertops (12 36)**
**12 36 61 16 Solid Surfacing Countertops (12 36 61)**
**12 36 61 16-0001 Solid Surface Countertops (12 36 61 16)**
**12 36 61 16-0002 Solid Surface Countertops (12 36 61 16-0001)**

Note: Includes finished ends and all edge types such as bullnose, ogee, roundover, bevel, etc.  
 Note: Quantity based on area of counter, backsplash and apron. Includes drilling holes for fixtures and 1-1/2" drop edge with 1/8" radius edges (when apron not used).

12 36 61 16-0003	SF		1/4" Thick, Solid Color, Solid Surface Backsplash .....	41.86	7.41
			<i>For Up To 50, Add</i>	13.71	
			<i>For &gt;50 To 100, Add</i>	7.91	
12 36 61 16-0004	SF		1/2" Thick, Solid Color, Solid Surface Countertop Without Backsplash .....	66.79	11.10
			<i>For Up To 50, Add</i>	21.49	
			<i>For &gt;50 To 100, Add</i>	12.78	
			<i>For Integral 16-7/16" x 13" x 5-1/4" Depth Lavatory Sink (Corian 810), Add</i>	202.21	
			<i>For Integral 20-7/16" x 14-7/16" x 6-1/8" Depth Lavatory Sink (Corian 815), Add</i>	255.68	
			<i>For Integral 17-3/8" x 10-13/16" x 5-1/2" Depth Lavatory Sink (Corian 816), Add</i>	186.66	
			<i>For Integral 14-3/4" x 10-1/2" x 5-1/2" Depth Lavatory Sink (Corian 820), Add</i>	177.91	
			<i>For Integral 18-7/8" x 13-3/4" x 5-7/8" Depth Lavatory Sink (Corian 830), Add</i>	255.68	
			<i>For Integral 20" x 13-3/8" x 6-1/4" Depth Lavatory Sink (Corian 831), Add</i>	255.68	
			<i>For Integral 19-3/4" x 14-1/4" x 5-7/8" Depth Lavatory Sink (Corian 835), Add</i>	255.68	
			<i>For Integral 17" x 14" x 6" Depth Lavatory Sink (Corian 837), Add</i>	255.68	
			<i>For Up To 1.5 SF Integral Single Basin Kitchen Sink, Add</i>	230.41	
			<i>Note: Single or double bowl.</i>		
			<i>For &gt;1.5 To 2.25 SF Integral Single Basin Kitchen Sink, Add</i>	400.54	
			<i>Note: Single or double bowl.</i>		
			<i>For &gt;2.25 To 3 SF Integral Single Basin Kitchen Sink, Add</i>	536.64	
			<i>Note: Single or double bowl.</i>		
			<i>For &gt;3 SF Integral Single Basin Kitchen Sink, Add</i>	581.36	
			<i>Note: Single or double bowl.</i>		
			<i>For &gt;3 SF Integral Double Basin Kitchen Sink, Add</i>	581.36	
12 36 61 16-0005	SF		1/2" Thick, Solid Color, Solid Surface Countertop With 4" Backsplash .....	73.45	11.10
			<i>For Up To 50, Add</i>	23.49	
			<i>For &gt;50 To 100, Add</i>	14.11	
			<i>For Integral 16-7/16" x 13" x 5-1/4" Depth Lavatory Sink (Corian 810), Add</i>	202.21	
			<i>For Integral 20-7/16" x 14-7/16" x 6-1/8" Depth Lavatory Sink (Corian 815), Add</i>	255.68	
			<i>For Integral 17-3/8" x 10-13/16" x 5-1/2" Depth Lavatory Sink (Corian 816), Add</i>	186.66	
			<i>For Integral 14-3/4" x 10-1/2" x 5-1/2" Depth Lavatory Sink (Corian 820), Add</i>	177.91	
			<i>For Integral 18-7/8" x 13-3/4" x 5-7/8" Depth Lavatory Sink (Corian 830), Add</i>	255.68	
			<i>For Integral 20" x 13-3/8" x 6-1/4" Depth Lavatory Sink (Corian 831), Add</i>	255.68	
			<i>For Integral 19-3/4" x 14-1/4" x 5-7/8" Depth Lavatory Sink (Corian 835), Add</i>	255.68	
			<i>For Integral 17" x 14" x 6" Depth Lavatory Sink (Corian 837), Add</i>	255.68	
			<i>For Up To 1.5 SF Integral Single Basin Kitchen Sink, Add</i>	230.41	
			<i>Note: Single or double bowl.</i>		
			<i>For &gt;1.5 To 2.25 SF Integral Single Basin Kitchen Sink, Add</i>	400.54	
			<i>Note: Single or double bowl.</i>		
			<i>For &gt;2.25 To 3 SF Integral Single Basin Kitchen Sink, Add</i>	536.64	
			<i>Note: Single or double bowl.</i>		
			<i>For &gt;3 SF Integral Single Basin Kitchen Sink, Add</i>	581.36	
			<i>Note: Single or double bowl.</i>		
			<i>For &gt;3 SF Integral Double Basin Kitchen Sink, Add</i>	581.36	
12 36 61 16-0006	LF		1/2" Thick, Solid Color, Solid Surface End Splash For Solid Surface Countertops .....	23.96	4.72
12 36 61 16-0007	EA		Cutout For Undercounter Sink In Solid Surface Countertop .....	166.49	
			<i>Note: Not including integral seamed sinks</i>		

**12 36 61 16-0008 Integral Seamless Solid Surface Lavatory (12 36 61 16-0001)**

Note: Includes sink cutout and hard seam of lavatory to countertop See CSI section 12 36 61 16-0002 for Solid Surface Countertops.

**12 Furnishings****12 30 Casework****12 36 Countertops**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

12 36 61 16-0009	EA	16-1/2" x 13-1/8" x 5-1/2" Depth, Integral Solid Surface Lavatory Sink (Corian 810).....	239.95	
12 36 61 16-0010	EA	20-7/16" x 14-7/16" x 6-1/8" Depth, Integral Solid Surface Lavatory Sink (Corian 815).....	293.42	
12 36 61 16-0011	EA	17-3/8" x 10-13/16" x 5-1/2" Depth, Integral Solid Surface Lavatory Sink (Corian 816).....	224.40	
12 36 61 16-0012	EA	14-3/4" x 10-1/2" x 5-1/2" Depth, Integral Solid Surface Lavatory Sink (Corian 820).....	215.65	
12 36 61 16-0013	EA	18-7/8" x 13-3/4" x 5-7/8" Depth, Integral Solid Surface Lavatory Sink (Corian 830).....	293.42	
12 36 61 16-0014	EA	20" x 13-3/8" x 6-1/4" Depth, Integral Solid Surface Lavatory Sink (Corian 831).....	293.42	
12 36 61 16-0015	EA	19-3/4" x 14-1/4" x 5-7/8" Depth, Integral Solid Surface Lavatory Sink (Corian 835).....	293.42	
12 36 61 16-0016	EA	17" x 14" x 6" Depth, Integral Solid Surface Lavatory Sink (Corian 837).....	293.42	

**12 36 61 16-0017 Integral Seamless Solid Surface Kitchen Sink** (12 36 61 16-0001)

Note: Includes sink cutout and hard seam of sink to countertop See CSI section 12 36 61 16-0002 for Solid Surface Countertops.

12 36 61 16-0018	EA	Up To 1.5 SF, Single Basin, Integral Solid Surface Kitchen Sink.....	319.21	
12 36 61 16-0019	EA	>1.5 To 2.25 SF, Single Basin, Integral Solid Surface Kitchen Sink.....	489.34	
12 36 61 16-0020	EA	>2.25 To 3.0 SF, Single Basin, Integral Solid Surface Kitchen Sink.....	625.44	
12 36 61 16-0021	EA	>3.0 SF, Single Basin, Integral Solid Surface Kitchen Sink.....	670.16	
12 36 61 16-0022	EA	>3.0 SF, Double Basin, Integral Solid Surface Kitchen Sink.....	670.16	

**12 36 61 19 Quartz Agglomerate Countertops** (12 36 61)**12 36 61 19-0001 Quartz Agglomerate Countertops** (12 36 61 19)

Note: Includes finished ends and all edge types such as bullnose, ogee, roundover, bevel, etc.

12 36 61 19-0002	SF	3/4" Thick, Quartz Agglomerate Countertop Without Backsplash.....	100.05	24.42
12 36 61 19-0003	SF	1-1/4" Thick, Quartz Agglomerate Countertop Without Backsplash.....	120.25	24.42
12 36 61 19-0004	SF	3/4" Thick, Quartz Agglomerate Countertop With Backsplash.....	112.03	28.42
12 36 61 19-0005	SF	1-1/4" Thick, Quartz Agglomerate Countertop With Backsplash.....	132.22	28.42
12 36 61 19-0006	LF	Quartz Agglomerate Countertop End Splash For Quartz Agglomerate Countertops.....	18.10	4.72
12 36 61 19-0007	EA	Cutout For Sink And/Or Faucet In Quartz Agglomerate Countertop.....	166.49	

**12 40 Furnishings and Accessories** (12)**12 41 Office Accessories** (12 40)**12 41 11 Office Accessories** (12 41)**12 41 11 00-0001 Wall Mounted Office Accessories** (12 41 11)

12 41 11 00-0002	EA	Manual Pencil Sharpener, Wall Mounted (Bostitch® BOSMPS1BLK).....	21.68	3.74
12 41 11 00-0003	EA	Wall Mounted Flag.....	16.23	3.74

**12 41 11 00-0004 Desk Edge Mounted Clamps** (12 41 11)

12 41 11 00-0005	EA	Aluminum Desk Edge Clamp Mount Bracket For Plexiglass And Acrylic Panels.....	32.73	
		Note: Adjustable hand screw mounting to fit 3/4" to 2" desk and table tops, clamp adjusts to support 1/8" to 3/8" thick panels.		
		For >10 To 50, Deduct	-7.99	
		For >50, Deduct	-12.78	

**12 48 Rugs and Mats** (12 40)**12 48 13 Entrance Floor Mats and Frames** (12 48)**12 48 13 13 Entrance Floor Mats** (12 48 13)**12 48 13 13-0001 Floor Mats** (12 48 13 13)

12 48 13 13-0002	SF	3/8" Thick Solid Recessable Floor Mat.....	31.04	2.42
		For Colors, Add	5.24	
12 48 13 13-0003	SF	1/2" Thick Solid Recessable Floor Mat.....	39.10	2.42
		For Colors, Add	6.85	
12 48 13 13-0004	SF	3/8" Thick Perforated Recessable Floor Mat.....	33.05	2.42
		For Colors, Add	5.64	
12 48 13 13-0005	SF	1/2" Thick Perforated Recessable Floor Mat.....	41.12	2.42
		For Colors, Add	7.26	

**12 48 13 13-0006 Link Mats** (12 48 13 13)

Note: Includes nosing.

12 48 13 13-0007	SF	3/8" Link Mats, Aluminum.....	30.73	2.42
12 48 13 13-0008	SF	Black Rubber Link Mats With Galvanized Tie Rods.....	32.55	2.42
12 48 13 13-0009	SF	3/8" Thick, Galvanized Steel Link Mats.....	17.95	2.42
12 48 13 13-0010	SF	Vinyl Link Mats, Color.....	35.54	2.42
12 48 13 13-0011	LF	Rubber Nosing.....	4.22	1.06

**12 48 13 13-0012 Duckboard** (12 48 13 13)

12 48 13 13-0013	SF	Aluminum Slats.....	44.19	2.89
12 48 13 13-0014	SF	Hardwood Strips On Rubber Base.....	13.85	2.89
12 48 13 13-0015	SF	Assembled With Brass Rods And Vinyl Spacers.....	15.04	2.89
12 48 13 13-0016	SF	Tire Fabric, 3/4" Thick.....	19.85	2.89
12 48 13 13-0017	SF	Vinyl, 36" Wide, Hollow Top And Bottom.....	16.16	2.89
12 48 13 13-0018	SF	Vinyl, 36" Wide, Solid Top And Bottom.....	24.37	2.89



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**12 48 13 16 Entrance Floor Mat Frames (12 48 13)**

**12 48 13 16-0001 Recessed Frames (12 48 13 16)**

12 48 13 16-0002	LF		Aluminum Recessed Embedded Frame .....	21.08	4.44
12 48 13 16-0003	LF		Bronze Recessed Embedded Frame .....	21.80	4.44

**12 50 Furniture (12)**

**12 59 Systems Furniture (12 50)**

**12 59 13 Panel-Hung Component System Furniture (12 59)**

**12 59 13 00-0001 Panel Hung Furniture, Office Systems (12 59 13)**

12 59 13 00-0002	EA	Acoustic Panel, 43" High, 24" Wide, NRC .85 .....	468.63	
12 59 13 00-0003	EA	Acoustic Panel, 43" High, 30" Wide, NRC .85 .....	523.01	
12 59 13 00-0004	EA	Acoustic Panel, 43" High, 36" Wide, NRC .85 .....	577.83	
12 59 13 00-0005	EA	Acoustic Panel, 43" High, 48" Wide, NRC .85 .....	692.13	
12 59 13 00-0006	EA	Acoustic Panel, 64" High, 30" Wide, NRC .85 .....	622.02	
12 59 13 00-0007	EA	Acoustic Panel, 64" High, 36" Wide, NRC .85 .....	666.21	
12 59 13 00-0008	EA	Acoustic Panel, 64" High, 42" Wide, NRC .85 .....	773.26	
12 59 13 00-0009	EA	Acoustic Panel, 64" High, 48" Wide, NRC .85 .....	819.99	
12 59 13 00-0010	EA	Acoustic Panel, 64" High, 60" Wide, NRC .85 .....	898.56	
12 59 13 00-0011	EA	Bookshelf, 36" Wide, 13-3/4" Depth, 8" High .....	217.13	
12 59 13 00-0012	EA	Bookshelf, 42" Wide, 13-3/4" Depth, 16" High .....	227.73	
12 59 13 00-0013	EA	Bookshelf, 48" Wide, 13-3/4" Depth, 8" High .....	234.11	
12 59 13 00-0014	EA	Cantilever Bracket, 20" Deep, 24" Deep .....	72.86	
12 59 13 00-0015	PR	Countertop Bracket, Pair .....	30.44	
12 59 13 00-0016	EA	Flat Bracket, 20" Deep, 24" Wide .....	37.61	
12 59 13 00-0017	PR	Worksurface Kit, Pair .....	30.44	
12 59 13 00-0018	EA	Connector Kit, Ell, 43" High, 90" Deep .....	131.30	
12 59 13 00-0019	EA	Connector Kit, Ell, 64" High, 90" Deep .....	76.89	
12 59 13 00-0020	EA	Connector Kit, Straight, 43" High .....	53.33	
12 59 13 00-0021	EA	Connector Kit, Straight, 64" High .....	55.18	
12 59 13 00-0022	EA	Support Column For Peninsula, 29-1/2" High .....	188.45	
12 59 13 00-0023	EA	Countertop, 15" Deep, 36" Wide .....	247.27	
12 59 13 00-0024	EA	Countertop, 15" Deep, 48" Wide .....	275.76	
12 59 13 00-0025	EA	Duplex Receptacle Circuit 1 .....	26.93	
12 59 13 00-0026	EA	Duplex Receptacle Circuit 2 .....	26.93	
12 59 13 00-0027	EA	Electric Power Harness, 36" Wide .....	175.69	
12 59 13 00-0028	EA	Electric Power Harness, 42" Wide .....	180.16	
12 59 13 00-0029	EA	Electric Power Harness, 60" Wide .....	184.62	
12 59 13 00-0030	EA	Panel End Cover, 43" High .....	53.33	
12 59 13 00-0031	EA	Panel End Cover, 64" High .....	53.33	
12 59 13 00-0032	EA	Finish End Cover, 2-way, Variable Height .....	80.71	
12 59 13 00-0033	EA	Overhead Cabinet With Door, 42" Wide .....	507.70	
12 59 13 00-0034	EA	Overhead Cabinet With Door, 60" Wide .....	771.10	
12 59 13 00-0035	EA	Pedestal Spacer, 22" Deep, 15" Wide .....	87.31	
12 59 13 00-0036	EA	Pedestal Spacer, 28" Deep, 15" Wide .....	105.36	
12 59 13 00-0037	EA	Pedestal Box, Box, File, 22" Deep, 26" High .....	613.97	
12 59 13 00-0038	EA	Pedestal Box, Box, File, 28" Deep, 26" High .....	640.27	
12 59 13 00-0039	EA	Pedestal File, File, 22" Deep, 26" High .....	572.34	
12 59 13 00-0040	EA	Pedestal Lateral File, 2 Drawer, 30" Wide .....	807.24	
12 59 13 00-0041	EA	Base In Feed Power Cable .....	299.81	
12 59 13 00-0042	EA	Task Light, Recessed, 30" - 36" Wide .....	238.15	
12 59 13 00-0043	EA	Task Light, Recessed, 42" - 48" Wide .....	257.48	
12 59 13 00-0044	EA	Task Light, Recessed, 60" Wide .....	278.71	
12 59 13 00-0045	EA	Worksurface, Radius Edge, 24" Deep, 36" Wide .....	256.40	
12 59 13 00-0046	EA	Worksurface, Radius Edge, 24" Deep, 42" Wide .....	314.82	
12 59 13 00-0047	EA	Worksurface, Radius Edge, 24" Deep, 48" Wide .....	335.67	
12 59 13 00-0048	EA	Worksurface, Radius Edge, 24" Deep, 60" Wide .....	421.49	
12 59 13 00-0049	EA	Worksurface, Radius Edge, 24" Deep, 72" Wide .....	476.29	
12 59 13 00-0050	EA	Worksurface, Radius Edge, 30" Deep, 42" Wide .....	403.61	
12 59 13 00-0051	EA	Worksurface, Radius Edge, 30" Deep, 60" Wide .....	471.18	
12 59 13 00-0052	EA	Worksurface, Radius Edge, 30" Deep, 72" Wide .....	536.19	
12 59 13 00-0053	EA	Worksurface, Radius Edge, Corner 24" Deep, 36" Wide .....	616.91	
12 59 13 00-0054	EA	Worksurface, Radius Edge, Corner 24" Deep, 42" Wide .....	700.98	
12 59 13 00-0055	EA	Worksurface, Peninsula, 36" Wide, 66" Long .....	807.24	

**12 59 13 00-0056 Open Office Systems Furniture Components (12 59 13)**

Note: Excludes electrical wire and wiring devices.

12 59 13 00-0057	EA	34H 24W Fabric Covered Panel - Component Systems Furniture .....	247.27	21.82
		<i>For Tackable Acoustical Barrier Panel, Add</i>	44.33	
		<i>For Acoustical Panel, Add</i>	48.19	
		<i>For Enameled Surface, Deduct</i>	-19.28	
12 59 13 00-0058	EA	34H 30W Fabric Covered Panel - Component Systems Furniture .....	274.81	24.28
		<i>For Tackable Acoustical Barrier Panel, Add</i>	49.27	
		<i>For Acoustical Panel, Add</i>	53.56	
		<i>For Enameled Surface, Deduct</i>	-21.42	
12 59 13 00-0059	EA	34H 36W Fabric Covered Panel - Component Systems Furniture .....	293.85	25.86
		<i>For Tackable Acoustical Barrier Panel, Add</i>	52.68	
		<i>For Acoustical Panel, Add</i>	57.27	
		<i>For Enameled Surface, Deduct</i>	-22.91	

## 12 Furnishings

## 12 50 Furniture

## 12 59 Systems Furniture

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 13 00-0060	EA		34H 48W Fabric Covered Panel - Component Systems Furniture.....	329.26	29.05
			<i>For Tackable Acoustical Barrier Panel, Add</i>	59.03	
			<i>For Acoustical Panel, Add</i>	64.17	
			<i>For Enameled Surface, Deduct</i>	-25.67	
12 59 13 00-0061	EA		42H 24W Fabric Covered Panel - Component Systems Furniture.....	251.20	22.14
			<i>For Tackable Acoustical Barrier Panel, Add</i>	45.04	
			<i>For Acoustical Panel, Add</i>	48.96	
			<i>For Enameled Surface, Deduct</i>	-19.58	
12 59 13 00-0062	EA		42H 30W Fabric Covered Panel - Component Systems Furniture.....	283.98	25.00
			<i>For Tackable Acoustical Barrier Panel, Add</i>	50.92	
			<i>For Acoustical Panel, Add</i>	55.35	
			<i>For Enameled Surface, Deduct</i>	-22.14	
12 59 13 00-0063	EA		42H 36W Fabric Covered Panel - Component Systems Furniture.....	318.09	28.09
			<i>For Tackable Acoustical Barrier Panel, Add</i>	57.03	
			<i>For Acoustical Panel, Add</i>	61.99	
			<i>For Enameled Surface, Deduct</i>	-24.80	
12 59 13 00-0064	EA		42H 48W Fabric Covered Panel - Component Systems Furniture.....	373.86	32.93
			<i>For Tackable Acoustical Barrier Panel, Add</i>	67.03	
			<i>For Acoustical Panel, Add</i>	72.86	
			<i>For Enameled Surface, Deduct</i>	-29.14	
12 59 13 00-0065	EA		62H 12W Fabric Covered Panel - Component Systems Furniture.....	242.01	21.34
			<i>For Tackable Acoustical Barrier Panel, Add</i>	43.39	
			<i>For Acoustical Panel, Add</i>	47.17	
			<i>For Enameled Surface, Deduct</i>	-18.87	
12 59 13 00-0066	EA		62H 24W Fabric Covered Panel - Component Systems Furniture.....	297.77	26.26
			<i>For Tackable Acoustical Barrier Panel, Add</i>	53.39	
			<i>For Acoustical Panel, Add</i>	58.03	
			<i>For Enameled Surface, Deduct</i>	-23.21	
12 59 13 00-0067	EA		62H 36W Fabric Covered Panel - Component Systems Furniture.....	372.56	32.85
			<i>For Tackable Acoustical Barrier Panel, Add</i>	66.80	
			<i>For Acoustical Panel, Add</i>	72.61	
			<i>For Enameled Surface, Deduct</i>	-29.04	
12 59 13 00-0068	EA		62H 48W Fabric Covered Panel - Component Systems Furniture.....	445.98	39.28
			<i>For Tackable Acoustical Barrier Panel, Add</i>	79.97	
			<i>For Acoustical Panel, Add</i>	86.92	
			<i>For Enameled Surface, Deduct</i>	-34.77	
12 59 13 00-0069	EA		34" Draw Rod Panel Connector Hardware.....	13.51	1.19
12 59 13 00-0070	EA		42" Draw Rod Panel Connector Hardware.....	13.51	1.19
12 59 13 00-0071	EA		62" Draw Rod Panel Connector Hardware.....	14.40	1.26
12 59 13 00-0072	EA		34" Two-Way 90 Degree Panel Connector Hardware.....	62.11	5.47
12 59 13 00-0073	EA		42" Two-Way 90 Degree Panel Connector Hardware.....	72.01	6.35
12 59 13 00-0074	EA		62" Two-Way 90 Degree Panel Connector Hardware.....	82.82	7.30
12 59 13 00-0075	EA		34" Three-Way 90 Degree Panel Connector Hardware.....	96.32	8.49
12 59 13 00-0076	EA		42" Three-Way 90 Degree Panel Connector Hardware.....	111.63	9.84
12 59 13 00-0077	EA		62" Three-Way 90 Degree Panel Connector Hardware.....	129.64	11.43
12 59 13 00-0078	EA		34" Four-Way 90 Degree Panel Connector Hardware.....	121.54	10.71
12 59 13 00-0079	EA		42" Four-Way 90 Degree Panel Connector Hardware.....	142.23	12.54
12 59 13 00-0080	EA		62" Four-Way 90 Degree Panel Connector Hardware.....	171.05	15.08
12 59 13 00-0081	EA		34" Panel End Cap Hardware.....	20.71	1.83
12 59 13 00-0082	EA		42" Panel End Cap Hardware.....	23.41	2.06
12 59 13 00-0083	EA		62" Panel End Cap Hardware.....	25.21	2.22
12 59 13 00-0084	EA		28" Variable Height Panel End Filler.....	22.85	2.06
			Note: Field cut to appropriate length.		
12 59 13 00-0085	EA		Two-Way Trim Cover For Cable Management Raceway.....	11.75	1.03
12 59 13 00-0086	EA		Three-Way Trim Cover For Cable Management Raceway.....	12.39	1.11
12 59 13 00-0087	EA		Four-Way Trim Cover For Cable Management Raceway.....	14.35	1.26
12 59 13 00-0088	EA		Finished End Trim Cover For Cable Management Raceway.....	11.75	1.03
12 59 13 00-0089	EA		12" Cable Management Raceway Assembly.....	24.15	2.14
			Note: Includes base plate, two side covers, and 2 side cover fillers.		
12 59 13 00-0090	EA		24" Cable Management Raceway Assembly.....	27.41	2.38
			Note: Includes base plate, two side covers, and 2 side cover fillers.		
12 59 13 00-0091	EA		30" Cable Management Raceway Assembly.....	28.06	2.46
			Note: Includes base plate, two side covers, and 2 side cover fillers.		
12 59 13 00-0092	EA		36" Cable Management Raceway Assembly.....	31.33	2.78
			Note: Includes base plate, two side covers, and 2 side cover fillers.		
12 59 13 00-0093	EA		48" Cable Management Raceway Assembly.....	35.24	3.09
			Note: Includes base plate, two side covers, and 2 side cover fillers.		
12 59 13 00-0094	EA		24" x 36" Radiused Edge Rectangular Hanging Work Surface.....	189.55	16.67
12 59 13 00-0095	EA		30" x 36" Radiused Edge Rectangular Hanging Work Surface.....	233.49	20.55
12 59 13 00-0096	EA		24" x 48" Radiused Edge Rectangular Hanging Work Surface.....	220.38	19.44
12 59 13 00-0097	EA		30" x 48" Radiused Edge Rectangular Hanging Work Surface.....	275.49	24.28
12 59 13 00-0098	EA		24" x 60" Radiused Edge Rectangular Hanging Work Surface.....	278.09	24.52
12 59 13 00-0099	EA		30" x 60" Radiused Edge Rectangular Hanging Work Surface.....	350.25	30.94
12 59 13 00-0100	EA		24" x 72" Radiused Edge Rectangular Hanging Work Surface.....	337.78	29.76
12 59 13 00-0101	EA		30" x 72" Radiused Edge Rectangular Hanging Work Surface.....	424.33	37.37
12 59 13 00-0102	EA		30" x 60" Radiused Edge Table.....	753.79	66.49
12 59 13 00-0103	EA		30" x 72" Radiused Edge Table.....	823.75	72.68
12 59 13 00-0104	EA		14" x 24" Radiused Edge Transaction Surface.....	90.52	8.01
12 59 13 00-0105	EA		14" x 36" Radiused Edge Transaction Surface.....	102.96	9.05
12 59 13 00-0106	EA		14" x 48" Radiused Edge Transaction Surface.....	115.44	10.16
12 59 13 00-0107	EA		14" x 60" Radiused Edge Transaction Surface.....	143.63	12.70
12 59 13 00-0108	EA		14" x 72" Radiused Edge Transaction Surface.....	172.48	15.23
12 59 13 00-0109	EA		14" Right Angle Corner Transaction Surface.....	301.72	26.59
12 59 13 00-0110	EA		Transaction Surface Support.....	23.90	2.10
12 59 13 00-0111	EA		Plastic Pencil Drawer.....	26.11	2.06
12 59 13 00-0112	EA		15-1/2" x 24" Hanging Shelf.....	88.12	7.78
12 59 13 00-0113	EA		15-1/2" x 36" Hanging Shelf.....	95.94	8.41
12 59 13 00-0114	EA		15-1/2" x 48" Hanging Shelf.....	102.47	9.05

MINOR	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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12 59 13 00-0115	EA	24" Flipper Door - Top And Front Closure ..... Note: Used with hanging shelf.	152.06	13.41
12 59 13 00-0116	EA	36" Flipper Door - Top And Front Closure ..... Note: Used with hanging shelf.	177.53	15.71
12 59 13 00-0117	EA	48" Flipper Door - Top And Front Closure ..... Note: Used with hanging shelf.	203.63	17.93
12 59 13 00-0118	EA	24" Suspended Lateral File, Lockable .....	524.36	45.98
12 59 13 00-0119	EA	30" Suspended Lateral File, Lockable .....	553.82	48.56
12 59 13 00-0120	EA	36" Suspended Lateral File, Lockable .....	584.36	51.24
12 59 13 00-0121	EA	48" Suspended Lateral File, Lockable .....	639.13	56.04
12 59 13 00-0122	EA	Fully Adjustable Vinyl Keyboard Tray .....	237.59	20.94
12 59 13 00-0123	EA	Palm Rest For Vinyl Keyboard Tray.....	37.19	3.33
12 59 13 00-0124	EA	24" x 36" Radiused Edge Corner Work Surface .....	300.16	26.50
12 59 13 00-0125	EA	File Drawer Organizer.....	96.60	8.49
12 59 13 00-0126	EA	Suspended Lateral File Converter Bracket.....	20.89	1.83
12 59 13 00-0127	EA	Utility Task Light .....	104.43	9.21

**12 59 13 00-0128 Disassemble And Store Systems Furniture Components (12 59 13)**

12 59 13 00-0129	EA	Disassemble And Store 34H 24W Fabric Covered Panel.....	27.27	
12 59 13 00-0130	EA	Disassemble And Store 34H 30W Fabric Covered Panel.....	30.30	
12 59 13 00-0131	EA	Disassemble And Store 34H 36W Fabric Covered Panel.....	32.40	
12 59 13 00-0132	EA	Disassemble And Store 34H 48W Fabric Covered Panel.....	36.30	
12 59 13 00-0133	EA	Disassemble And Store 42H 24W Fabric Covered Panel.....	27.70	
12 59 13 00-0134	EA	Disassemble And Store 42H 30W Fabric Covered Panel.....	31.31	
12 59 13 00-0135	EA	Disassemble And Store 42H 36W Fabric Covered Panel.....	35.08	
12 59 13 00-0136	EA	Disassemble And Store 42H 48W Fabric Covered Panel.....	41.22	
12 59 13 00-0137	EA	Disassemble And Store 62H 12W Fabric Covered Panel.....	26.69	
12 59 13 00-0138	EA	Disassemble And Store 62H 24W Fabric Covered Panel.....	32.84	
12 59 13 00-0139	EA	Disassemble And Store 62H 36W Fabric Covered Panel.....	41.08	
12 59 13 00-0140	EA	Disassemble And Store 62H 48W Fabric Covered Panel.....	49.19	
12 59 13 00-0141	EA	Disassemble And Store 34" Draw Rod Panel Connector Hardware .....	1.49	
12 59 13 00-0142	EA	Disassemble And Store 42" Draw Rod Panel Connector Hardware .....	1.49	
12 59 13 00-0143	EA	Disassemble And Store 62" Draw Rod Panel Connector Hardware .....	1.59	
12 59 13 00-0144	EA	Disassemble And Store 34" Two-Way 90 Degree Panel Connector Hardware .....	6.85	
12 59 13 00-0145	EA	Disassemble And Store 42" Two-Way 90 Degree Panel Connector Hardware .....	7.94	
12 59 13 00-0146	EA	Disassemble And Store 62" Two-Way 90 Degree Panel Connector Hardware .....	9.14	
12 59 13 00-0147	EA	Disassemble And Store 34" Three-Way 90 Degree Panel Connector Hardware.....	10.62	
12 59 13 00-0148	EA	Disassemble And Store 42" Three-Way 90 Degree Panel Connector Hardware.....	12.31	
12 59 13 00-0149	EA	Disassemble And Store 62" Three-Way 90 Degree Panel Connector Hardware.....	14.30	
12 59 13 00-0150	EA	Disassemble And Store 34" Four-Way 90 Degree Panel Connector Hardware.....	13.40	
12 59 13 00-0151	EA	Disassemble And Store 42" Four-Way 90 Degree Panel Connector Hardware.....	15.68	
12 59 13 00-0152	EA	Disassemble And Store 62" Four-Way 90 Degree Panel Connector Hardware.....	18.86	
12 59 13 00-0153	EA	Disassemble And Store 34" Panel End Cap Hardware.....	2.28	
12 59 13 00-0154	EA	Disassemble And Store 42" Panel End Cap Hardware.....	2.58	
12 59 13 00-0155	EA	Disassemble And Store 62" Panel End Cap Hardware.....	2.78	
12 59 13 00-0156	EA	Disassemble And Store Variable Height Panel End Filler.....	2.52	
12 59 13 00-0157	EA	Disassemble And Store Two-Way Trim Cover For Cable Management Raceway .....	1.30	
12 59 13 00-0158	EA	Disassemble And Store Three-Way Trim Cover For Cable Management Raceway .....	1.37	
12 59 13 00-0159	EA	Disassemble And Store Four-Way Trim Cover For Cable Management Raceway .....	1.59	
12 59 13 00-0160	EA	Disassemble And Store Finished End Trim Cover For Cable Management Raceway.....	1.30	
12 59 13 00-0161	EA	Disassemble And Store 12" Cable Management Raceway Assembly.....	2.66	
12 59 13 00-0162	EA	Disassemble And Store 24" Cable Management Raceway Assembly.....	3.02	
12 59 13 00-0163	EA	Disassemble And Store 30" Cable Management Raceway Assembly.....	3.09	
12 59 13 00-0164	EA	Disassemble And Store 36" Cable Management Raceway Assembly.....	3.45	
12 59 13 00-0165	EA	Disassemble And Store 48" Cable Management Raceway Assembly.....	3.89	
12 59 13 00-0166	EA	Disassemble And Store 24" x 36" Radiused Edge Rectangular Hanging Work Surface .....	20.90	
12 59 13 00-0167	EA	Disassemble And Store 30" x 36" Radiused Edge Rectangular Hanging Work Surface .....	25.75	
12 59 13 00-0168	EA	Disassemble And Store 24" x 48" Radiused Edge Rectangular Hanging Work Surface .....	24.31	
12 59 13 00-0169	EA	Disassemble And Store 30" x 48" Radiused Edge Rectangular Hanging Work Surface .....	30.38	
12 59 13 00-0170	EA	Disassemble And Store 24" x 60" Radiused Edge Rectangular Hanging Work Surface .....	30.67	
12 59 13 00-0171	EA	Disassemble And Store 30" x 60" Radiused Edge Rectangular Hanging Work Surface .....	38.62	
12 59 13 00-0172	EA	Disassemble And Store 24" x 72" Radiused Edge Rectangular Hanging Work Surface .....	37.25	
12 59 13 00-0173	EA	Disassemble And Store 30" x 72" Radiused Edge Rectangular Hanging Work Surface .....	46.80	
12 59 13 00-0174	EA	Disassemble And Store 30" x 60" Radiused Edge Table.....	72.27	
12 59 13 00-0175	EA	Disassemble And Store 30" x 72" Radiused Edge Table.....	90.82	
12 59 13 00-0176	EA	Disassemble And Store 14" x 24" Radiused Edge Transaction Surface.....	9.98	
12 59 13 00-0177	EA	Disassemble And Store 14" x 36" Radiused Edge Transaction Surface.....	11.35	
12 59 13 00-0178	EA	Disassemble And Store 14" x 48" Radiused Edge Transaction Surface.....	12.73	
12 59 13 00-0179	EA	Disassemble And Store 14" x 60" Radiused Edge Transaction Surface.....	15.84	
12 59 13 00-0180	EA	Disassemble And Store 14" x 72" Radiused Edge Transaction Surface.....	19.03	
12 59 13 00-0181	EA	Disassemble And Store 14" Right Angle Corner Transaction Surface.....	33.27	
12 59 13 00-0182	EA	Disassemble And Store Transaction Surface Support.....	2.63	
12 59 13 00-0183	EA	Disassemble And Store Plastic Pencil Drawer.....	2.59	
12 59 13 00-0184	EA	Disassemble And Store 15-1/2" x 24" Hanging Shelf .....	9.72	
12 59 13 00-0185	EA	Disassemble And Store 15-1/2" x 36" Hanging Shelf .....	10.58	
12 59 13 00-0186	EA	Disassemble And Store 15-1/2" x 48" Hanging Shelf .....	11.30	
12 59 13 00-0187	EA	Disassemble And Store 24" Flipper Door And Shelf.....	16.77	
12 59 13 00-0188	EA	Disassemble And Store 36" Flipper Door And Shelf.....	19.58	
12 59 13 00-0189	EA	Disassemble And Store 48" Flipper Door And Shelf.....	22.46	
12 59 13 00-0190	EA	Disassemble And Store 24" Suspended Lateral File .....	57.48	
12 59 13 00-0191	EA	Disassemble And Store 30" Suspended Lateral File .....	60.70	
12 59 13 00-0192	EA	Disassemble And Store 36" Suspended Lateral File .....	64.05	
12 59 13 00-0193	EA	Disassemble And Store 48" Suspended Lateral File .....	70.06	
12 59 13 00-0194	EA	Disassemble And Store Fully Adjustable Vinyl Keyboard Tray.....	26.20	

**12 Furnishings****12 50 Furniture****12 59 Systems Furniture**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

12 59 13 00-0195	EA	Disassemble And Store 24" x 36" Radiused Edge Corner Work Surface .....	33.10
12 59 13 00-0196	EA	Disassemble And Store Utility Task Light .....	11.52

**12 59 13 00-0197 Reconfigure Systems Furniture Components** (12 59 13)

12 59 13 00-0198	EA	Reconfigure 34H 24W Fabric Covered Panel .....	29.08
12 59 13 00-0199	EA	Reconfigure 34H 30W Fabric Covered Panel .....	32.31
12 59 13 00-0200	EA	Reconfigure 34H 36W Fabric Covered Panel .....	34.55
12 59 13 00-0201	EA	Reconfigure 34H 48W Fabric Covered Panel .....	38.71
12 59 13 00-0202	EA	Reconfigure 42H 24W Fabric Covered Panel .....	29.54
12 59 13 00-0203	EA	Reconfigure 42H 30W Fabric Covered Panel .....	33.39
12 59 13 00-0204	EA	Reconfigure 42H 36W Fabric Covered Panel .....	37.40
12 59 13 00-0205	EA	Reconfigure 42H 48W Fabric Covered Panel .....	43.95
12 59 13 00-0206	EA	Reconfigure 62H 12W Fabric Covered Panel .....	28.45
12 59 13 00-0207	EA	Reconfigure 62H 24W Fabric Covered Panel .....	35.01
12 59 13 00-0208	EA	Reconfigure 62H 36W Fabric Covered Panel .....	43.80
12 59 13 00-0209	EA	Reconfigure 62H 48W Fabric Covered Panel .....	52.44
12 59 13 00-0210	EA	Reconfigure 34" Draw Rod Panel Connector Hardware .....	1.59
12 59 13 00-0211	EA	Reconfigure 42" Draw Rod Panel Connector Hardware .....	1.59
12 59 13 00-0212	EA	Reconfigure 62" Draw Rod Panel Connector Hardware .....	1.70
12 59 13 00-0213	EA	Reconfigure 34" Two-Way 90 Degree Panel Connector Hardware .....	7.30
12 59 13 00-0214	EA	Reconfigure 42" Two-Way 90 Degree Panel Connector Hardware .....	8.46
12 59 13 00-0215	EA	Reconfigure 62" Two-Way 90 Degree Panel Connector Hardware .....	9.74
12 59 13 00-0216	EA	Reconfigure 34" Three-Way 90 Degree Panel Connector Hardware .....	11.32
12 59 13 00-0217	EA	Reconfigure 42" Three-Way 90 Degree Panel Connector Hardware .....	13.12
12 59 13 00-0218	EA	Reconfigure 62" Three-Way 90 Degree Panel Connector Hardware .....	15.24
12 59 13 00-0219	EA	Reconfigure 34" Four-Way 90 Degree Panel Connector Hardware .....	14.29
12 59 13 00-0220	EA	Reconfigure 42" Four-Way 90 Degree Panel Connector Hardware .....	16.73
12 59 13 00-0221	EA	Reconfigure 62" Four-Way 90 Degree Panel Connector Hardware .....	20.11
12 59 13 00-0222	EA	Reconfigure 34" Panel End Cap Hardware .....	2.43
12 59 13 00-0223	EA	Reconfigure 42" Panel End Cap Hardware .....	2.75
12 59 13 00-0224	EA	Reconfigure 62" Panel End Cap Hardware .....	2.96
12 59 13 00-0225	EA	Reconfigure Variable Height Panel End Filler .....	2.68
12 59 13 00-0226	EA	Reconfigure Two-Way Trim Cover For Cable Management Raceway .....	1.39
12 59 13 00-0227	EA	Reconfigure Three-Way Trim Cover For Cable Management Raceway .....	1.46
12 59 13 00-0228	EA	Reconfigure Four-Way Trim Cover For Cable Management Raceway .....	1.69
12 59 13 00-0229	EA	Reconfigure Finished End Trim Cover For Cable Management Raceway .....	1.39
12 59 13 00-0230	EA	Reconfigure 12" Cable Management Raceway Assembly .....	2.84
12 59 13 00-0231	EA	Reconfigure 24" Cable Management Raceway Assembly .....	3.22
12 59 13 00-0232	EA	Reconfigure 30" Cable Management Raceway Assembly .....	3.30
12 59 13 00-0233	EA	Reconfigure 36" Cable Management Raceway Assembly .....	3.68
12 59 13 00-0234	EA	Reconfigure 48" Cable Management Raceway Assembly .....	4.15
12 59 13 00-0235	EA	Reconfigure 24" x 36" Radiused Edge Rectangular Hanging Work Surface .....	22.29
12 59 13 00-0236	EA	Reconfigure 30" x 36" Radiused Edge Rectangular Hanging Work Surface .....	27.45
12 59 13 00-0237	EA	Reconfigure 24" x 48" Radiused Edge Rectangular Hanging Work Surface .....	25.91
12 59 13 00-0238	EA	Reconfigure 30" x 48" Radiused Edge Rectangular Hanging Work Surface .....	32.39
12 59 13 00-0239	EA	Reconfigure 24" x 60" Radiused Edge Rectangular Hanging Work Surface .....	32.70
12 59 13 00-0240	EA	Reconfigure 30" x 60" Radiused Edge Rectangular Hanging Work Surface .....	41.18
12 59 13 00-0241	EA	Reconfigure 24" x 72" Radiused Edge Rectangular Hanging Work Surface .....	39.72
12 59 13 00-0242	EA	Reconfigure 30" x 72" Radiused Edge Rectangular Hanging Work Surface .....	49.89
12 59 13 00-0243	EA	Reconfigure 30" x 60" Radiused Edge Table .....	88.64
12 59 13 00-0244	EA	Reconfigure 30" x 72" Radiused Edge Table .....	96.86
12 59 13 00-0245	EA	Reconfigure 14" x 24" Radiused Edge Transaction Surface .....	10.64
12 59 13 00-0246	EA	Reconfigure 14" x 36" Radiused Edge Transaction Surface .....	12.11
12 59 13 00-0247	EA	Reconfigure 14" x 48" Radiused Edge Transaction Surface .....	13.57
12 59 13 00-0248	EA	Reconfigure 14" x 60" Radiused Edge Transaction Surface .....	16.89
12 59 13 00-0249	EA	Reconfigure 14" x 72" Radiused Edge Transaction Surface .....	20.28
12 59 13 00-0250	EA	Reconfigure 14" Right Angle Corner Transaction Surface .....	35.47
12 59 13 00-0251	EA	Reconfigure Transaction Surface Support .....	2.80
12 59 13 00-0252	EA	Reconfigure 15-1/2" x 24" Hanging Shelf .....	10.36
12 59 13 00-0253	EA	Reconfigure 15-1/2" x 36" Hanging Shelf .....	11.28
12 59 13 00-0254	EA	Reconfigure 15-1/2" x 48" Hanging Shelf .....	12.05
12 59 13 00-0255	EA	Reconfigure 24" Flipper Door And Shelf .....	17.88
12 59 13 00-0256	EA	Reconfigure 36" Flipper Door And Shelf .....	20.87
12 59 13 00-0257	EA	Reconfigure 48" Flipper Door And Shelf .....	23.94
12 59 13 00-0258	EA	Reconfigure 24" Suspended Lateral File .....	61.31
12 59 13 00-0259	EA	Reconfigure 30" Suspended Lateral File .....	64.76
12 59 13 00-0260	EA	Reconfigure 36" Suspended Lateral File .....	68.33
12 59 13 00-0261	EA	Reconfigure 48" Suspended Lateral File .....	74.74
12 59 13 00-0262	EA	Reconfigure 24" x 36" Radiused Edge Corner Work Surface .....	35.29

**12 59 16 Free-Standing Component System Furniture** (12 59)**12 59 16 00-0001 Furniture, Office Systems** (12 59 16)

12 59 16 00-0002	EA	Desk Top, 24" Deep x 48" Wide .....	652.61
12 59 16 00-0003	EA	Desk Top, 30" Deep x 48" Wide .....	822.84
12 59 16 00-0004	EA	Desk Top, 30" Deep x 60" Wide .....	924.10
12 59 16 00-0005	EA	Desk Top, 30" Deep x 72" Wide .....	988.86
12 59 16 00-0006	EA	File, Mobile, 2-Drawer, 22" Deep .....	867.05
12 59 16 00-0007	EA	File, Suspended, 2-Drawer, 22" Deep .....	729.05
12 59 16 00-0008	EA	File, Undercounter, 2-Drawer, 22" Deep .....	832.75
12 59 16 00-0009	EA	File, Undercounter, 2 Box, 1 File, 22" Deep .....	879.89
12 59 16 00-0010	EA	Keyboard Platform With Articulating Arm .....	482.64
12 59 16 00-0011	EA	End Support Leg .....	334.82

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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12 59 16 00-0012	EA		Modesty Panel, 48" Wide.....	148.28	
12 59 16 00-0013	EA		Modesty Panel, Return .....	161.45	
12 59 16 00-0014	EA		Pencil/Utility Drawer.....	259.44	
12 59 16 00-0015	EA		Privacy Screen, 48" Wide x 17-20" High.....	431.69	
12 59 16 00-0016	EA		Privacy Screen, 72" Wide x 17-20" High.....	601.61	
12 59 16 00-0017	EA		Printer Stand, 30" Deep x 36" Wide.....	911.32	
12 59 16 00-0018	EA		Printer Stand, Universal.....	1,215.60	
12 59 16 00-0019	EA		Paper Basket.....	107.92	
12 59 16 00-0020	EA		Storage Unit With Doors, 60" Wide.....	1,423.80	
12 59 16 00-0021	EA		Storage Unit With Doors, 72" Wide.....	1,701.85	
12 59 16 00-0022	EA		Table, Peninsula, 30" x 72".....	954.51	
12 59 16 00-0023	EA		Return Table, 24" x 48".....	714.76	
12 59 16 00-0024	EA		Round Conference Return, 42" Diameter.....	807.24	
12 59 16 00-0025	EA		Work Surface, 24" Deep x 48" Wide.....	497.90	
12 59 16 00-0026	EA		Work Surface, 30" Deep x 30" Wide.....	471.18	
12 59 16 00-0027	EA		Work Surface, 30" Deep x 60" Wide.....	657.60	
12 59 16 00-0028	EA		Work Surface, 30" Deep x 72" Wide.....	689.22	
12 59 16 00-0029	EA		Corner Bridge, 30" x 42".....	733.16	
12 59 16 00-0030	EA		Peninsula, 30" x 60".....	1,032.12	
12 59 16 00-0031	EA		Connector Plate.....	26.95	

**12 59 16 00-0032 Herman Miller Systems Furniture (12 59 16)**
**12 59 16 00-0033 Herman Miller Systems Furniture (12 59 16 00-0032)**

12 59 16 00-0034	EA		Series 1 Panel Camel 34H 24W Herman Miller, AO120.3424-LN-V3827.....	247.27	21.82
			<i>For Owner Furnished Material, Deduct</i>	-192.75	
12 59 16 00-0035	EA		Series 1 Panel Camel 34H 30W Herman Miller, AO120.3430-LN-V3827.....	274.81	24.28
			<i>For Owner Furnished Material, Deduct</i>	-214.22	
12 59 16 00-0036	EA		Series 1 Panel Camel 34H 36W Herman Miller, AO120.3436-LN-V3827.....	293.85	25.86
			<i>For Owner Furnished Material, Deduct</i>	-229.06	
12 59 16 00-0037	EA		Series 1 Panel Camel 34H 48W Herman Miller, AO120.3448-LN-V3827.....	329.26	29.05
			<i>For Owner Furnished Material, Deduct</i>	-256.67	
12 59 16 00-0038	EA		Series 1 Panel Camel 42H 24W Herman Miller, AO120.4224-LN-V3827.....	251.20	22.14
			<i>For Owner Furnished Material, Deduct</i>	-195.82	
12 59 16 00-0039	EA		Series 1 Panel Camel 42H 30W Herman Miller, AO120.4230-LN-V3827.....	283.98	25.00
			<i>For Owner Furnished Material, Deduct</i>	-221.38	
12 59 16 00-0040	EA		Series 1 Panel Camel 42H 36W Herman Miller, AO120.4236-LN-V3827.....	318.09	28.09
			<i>For Owner Furnished Material, Deduct</i>	-247.97	
12 59 16 00-0041	EA		Series 1 Panel Camel 42H 48W Herman Miller, AO120.4248-LN-V3827.....	373.86	32.93
			<i>For Owner Furnished Material, Deduct</i>	-291.44	
12 59 16 00-0042	EA		Series 1 Panel Camel 62H 12W Herman Miller, AO130.6212-LN-V3827.....	242.01	21.34
			<i>For Owner Furnished Material, Deduct</i>	-188.66	
12 59 16 00-0043	EA		Series 1 Panel Terra Cotta 62H 12W Herman Miller, AO130.6212-LN-V3850.....	242.01	21.34
			<i>For Owner Furnished Material, Deduct</i>	-188.66	
12 59 16 00-0044	EA		Series 1 Panel Camel 62H 24W Herman Miller, AO130.6224-LN-V3827.....	297.77	26.26
			<i>For Owner Furnished Material, Deduct</i>	-232.13	
12 59 16 00-0045	EA		Series 1 Panel Terra Cotta 62H 24W Herman Miller, AO130.6224-LN-V3850.....	297.77	26.26
			<i>For Owner Furnished Material, Deduct</i>	-232.13	
12 59 16 00-0046	EA		Series 1 Panel Camel 62H 36W Herman Miller, AO130.6236-LN-V3827.....	372.56	32.85
			<i>For Owner Furnished Material, Deduct</i>	-290.42	
12 59 16 00-0047	EA		Series 1 Panel Terra Cotta 62H 36W Herman Miller, AO130.6236-LN-V3850.....	372.56	32.85
			<i>For Owner Furnished Material, Deduct</i>	-290.42	
12 59 16 00-0048	EA		Series 1 Panel Camel 62H 48W Herman Miller, AO130.6248-LN-V3827.....	445.98	39.28
			<i>For Owner Furnished Material, Deduct</i>	-347.68	
12 59 16 00-0049	EA		Series 1 Panel Hardware Panel Connector - 34" Herman Miller, AO215.34.....	13.51	1.19
			<i>For Owner Furnished Material, Deduct</i>	-10.53	
12 59 16 00-0050	EA		Series 1 Panel Hardware Panel Connector - 42" Herman Miller, AO215.42.....	13.51	1.19
			<i>For Owner Furnished Material, Deduct</i>	-10.53	
12 59 16 00-0051	EA		Series 1 Panel Hardware Panel Connector - 62" Herman Miller, AO215.62.....	14.40	1.26
			<i>For Owner Furnished Material, Deduct</i>	-11.23	
12 59 16 00-0052	EA		Series 1 Panel Hardware 34" Two-Way 90 Herman Miller, AO220.34-LN.....	62.11	5.47
			<i>For Owner Furnished Material, Deduct</i>	-48.42	
12 59 16 00-0053	EA		Series 1 Panel Hardware 42" Two-Way 90 Herman Miller, AO220.42-LN.....	72.01	6.35
			<i>For Owner Furnished Material, Deduct</i>	-56.14	
12 59 16 00-0054	EA		Series 1 Panel Hardware 62" Two-Way 90 Herman Miller, AO220.62-LN.....	82.82	7.30
			<i>For Owner Furnished Material, Deduct</i>	-64.56	
12 59 16 00-0055	EA		Series 1 Panel Hardware 34" Three-Way 90 Herman Miller, AO230.34-LN.....	96.32	8.49
			<i>For Owner Furnished Material, Deduct</i>	-75.09	
12 59 16 00-0056	EA		Series 1 Panel Hardware 42" Three-Way 90 Herman Miller, AO230.42-LN.....	111.63	9.84
			<i>For Owner Furnished Material, Deduct</i>	-87.02	
12 59 16 00-0057	EA		Series 1 Panel Hardware 62" Three-Way 90 Herman Miller, AO230.62-LN.....	129.64	11.43
			<i>For Owner Furnished Material, Deduct</i>	-101.06	
12 59 16 00-0058	EA		Series 1 Panel Hardware 34" Four-Way 90 Herman Miller, AO240.34-LN.....	121.54	10.71
			<i>For Owner Furnished Material, Deduct</i>	-94.74	
12 59 16 00-0059	EA		Series 1 Panel Hardware 42" Four-Way 90 Herman Miller, AO240.42-LN.....	142.23	12.54
			<i>For Owner Furnished Material, Deduct</i>	-110.88	
12 59 16 00-0060	EA		Series 1 Panel Hardware 62" Four-Way 90 Herman Miller, AO240.62-LN.....	171.05	15.08
			<i>For Owner Furnished Material, Deduct</i>	-133.34	
12 59 16 00-0061	EA		Series 1 Panel Hardware Panel End Cap-34" Herman Miller, AO250.34-LN.....	20.71	1.83
			<i>For Owner Furnished Material, Deduct</i>	-16.14	
12 59 16 00-0062	EA		Series 1 Panel Hardware Panel End Cap-42" Herman Miller, AO250.42-LN.....	23.41	2.06
			<i>For Owner Furnished Material, Deduct</i>	-18.25	
12 59 16 00-0063	EA		Series 1 Panel Hardware Panel End Cap-62" Herman Miller, AO250.62-LN.....	25.21	2.22
			<i>For Owner Furnished Material, Deduct</i>	-19.65	
12 59 16 00-0064	EA		Series 1 Panel Hardware Variable Height Filler Herman Miller, AO259.LN.....	22.85	2.06
			<i>For Owner Furnished Material, Deduct</i>	-17.81	

## 12 Furnishings

## 12 50 Furniture

## 12 59 Systems Furniture

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 16 00-0065	EA		Series 1 Cable Management Two-Way Trim Cover Herman Miller, AO362.2-DT .....	11.75	1.03
			<i>For Owner Furnished Material, Deduct</i>	-9.16	
12 59 16 00-0066	EA		Series 1 Cable Management Three-Way Trim Cover Herman Miller, AO362.3-DT .....	12.39	1.11
			<i>For Owner Furnished Material, Deduct</i>	-9.66	
12 59 16 00-0067	EA		Series 1 Cable Management Four-Way Trim Cover Herman Miller, AO362.4-DT .....	14.35	1.26
			<i>For Owner Furnished Material, Deduct</i>	-11.19	
12 59 16 00-0068	EA		Series 1 Cable Management End Cap Trim Cover Herman Miller, AO363-DT .....	11.75	1.03
			<i>For Owner Furnished Material, Deduct</i>	-9.16	
12 59 16 00-0069	EA		Series 1 Cable Management Assembly 12" Herman Miller, AO380.12-DT .....	24.15	2.14
			<i>For Owner Furnished Material, Deduct</i>	-18.83	
12 59 16 00-0070	EA		Series 1 Cable Management Assembly 24" Herman Miller, AO380.24-DT .....	27.41	2.38
			<i>For Owner Furnished Material, Deduct</i>	-21.37	
12 59 16 00-0071	EA		Series 1 Cable Management Assembly 30" Herman Miller, AO380.30-DT .....	28.06	2.46
			<i>For Owner Furnished Material, Deduct</i>	-21.88	
12 59 16 00-0072	EA		Series 1 Cable Management Assembly 36" Herman Miller, AO380.36-DT .....	31.33	2.78
			<i>For Owner Furnished Material, Deduct</i>	-24.42	
12 59 16 00-0073	EA		Series 1 Cable Management Assembly 48" Herman Miller, AO380.48-DT .....	35.24	3.09
			<i>For Owner Furnished Material, Deduct</i>	-27.47	
12 59 16 00-0074	EA		Hanging Work Surface Radiused Edge 24" x 36" Herman Miller, AO417.2436-M8-DT .....	189.55	16.67
			<i>For Owner Furnished Material, Deduct</i>	-147.76	
12 59 16 00-0075	EA		Hanging Work Surface Radiused Edge 24" x 36" Herman Miller, AO417.2436-OL-DT .....	189.55	16.67
			<i>For Owner Furnished Material, Deduct</i>	-147.76	
12 59 16 00-0076	EA		Hanging Work Surface Radiused Edge 30" x 36" Herman Miller, AO417.3036-M8-DT .....	233.49	20.55
			<i>For Owner Furnished Material, Deduct</i>	-182.02	
12 59 16 00-0077	EA		Hanging Work Surface Radiused Edge 30" x 36" Herman Miller, AO417.3036-OL-DT .....	233.49	20.55
			<i>For Owner Furnished Material, Deduct</i>	-182.02	
12 59 16 00-0078	EA		Hanging Work Surface Radiused Edge 24" x 48" Herman Miller, AO417.2448-M8-DT .....	220.38	19.44
			<i>For Owner Furnished Material, Deduct</i>	-171.80	
12 59 16 00-0079	EA		Hanging Work Surface Radiused Edge 24" x 48" Herman Miller, AO417.2448-OL-DT .....	220.38	19.44
			<i>For Owner Furnished Material, Deduct</i>	-171.80	
12 59 16 00-0080	EA		Hanging Work Surface Radiused Edge 30" x 48" Herman Miller, AO417.3048-M8-DT .....	275.49	24.28
			<i>For Owner Furnished Material, Deduct</i>	-214.75	
12 59 16 00-0081	EA		Hanging Work Surface Radiused Edge 30" x 48" Herman Miller, AO417.3048-OL-DT .....	275.49	24.28
			<i>For Owner Furnished Material, Deduct</i>	-214.75	
12 59 16 00-0082	EA		Hanging Work Surface Radiused Edge 24" x 60" Herman Miller, AO417.2460-M8-DT .....	278.09	24.52
			<i>For Owner Furnished Material, Deduct</i>	-216.79	
12 59 16 00-0083	EA		Hanging Work Surface Radiused Edge 24" x 60" Herman Miller, AO417.2460-OL-DT .....	278.09	24.52
			<i>For Owner Furnished Material, Deduct</i>	-216.79	
12 59 16 00-0084	EA		Hanging Work Surface Radiused Edge 30" x 60" Herman Miller, AO417.3060-M8-DT .....	350.25	30.94
			<i>For Owner Furnished Material, Deduct</i>	-273.03	
12 59 16 00-0085	EA		Hanging Work Surface Radiused Edge 30" x 60" Herman Miller, AO417.3060-OL-DT .....	350.25	30.94
			<i>For Owner Furnished Material, Deduct</i>	-273.03	
12 59 16 00-0086	EA		Hanging Work Surface Radiused Edge 24" x 72" Herman Miller, AO417.2472-M8-DT .....	337.78	29.76
			<i>For Owner Furnished Material, Deduct</i>	-263.31	
12 59 16 00-0087	EA		Hanging Work Surface Radiused Edge 24" x 72" Herman Miller, AO417.2472-OL-DT .....	337.78	29.76
			<i>For Owner Furnished Material, Deduct</i>	-263.31	
12 59 16 00-0088	EA		Hanging Work Surface Radiused Edge 30" x 72" Herman Miller, AO417.3072-M8-DT .....	424.33	37.37
			<i>For Owner Furnished Material, Deduct</i>	-330.80	
12 59 16 00-0089	EA		Hanging Work Surface Radiused Edge 30" x 72" Herman Miller, AO417.3072-OL-DT .....	424.33	37.37
			<i>For Owner Furnished Material, Deduct</i>	-330.80	
12 59 16 00-0090	EA		Table - Radiused Edge 30" x 60" Herman Miller, AO712.3060-M8-DT .....	655.32	57.77
			<i>For Owner Furnished Material, Deduct</i>	-510.84	
12 59 16 00-0091	EA		Table - Radiused Edge 30" x 60" Herman Miller, AO712.3060-OL-DT .....	753.79	66.49
			<i>For Owner Furnished Material, Deduct</i>	-587.65	
12 59 16 00-0092	EA		Table - Radiused Edge 30" x 72" Herman Miller, AO712.3072-M8-DT .....	715.96	63.08
			<i>For Owner Furnished Material, Deduct</i>	-558.14	
12 59 16 00-0093	EA		Table - Radiused Edge 30" x 72" Herman Miller, AO712.3072-OL-DT .....	823.75	72.68
			<i>For Owner Furnished Material, Deduct</i>	-642.09	
12 59 16 00-0094	EA		Counter Cap 24" Herman Miller, AO450.1424-M8-DT .....	90.52	8.01
			<i>For Owner Furnished Material, Deduct</i>	-70.56	
12 59 16 00-0095	EA		Counter Cap 24" Herman Miller, AO450.1424-OL-DT .....	90.52	8.01
			<i>For Owner Furnished Material, Deduct</i>	-70.56	
12 59 16 00-0096	EA		Counter Cap 36" Herman Miller, AO450.1436-M8-DT .....	102.96	9.05
			<i>For Owner Furnished Material, Deduct</i>	-80.26	
12 59 16 00-0097	EA		Counter Cap 36" Herman Miller, AO450.1436-OL-DT .....	102.96	9.05
			<i>For Owner Furnished Material, Deduct</i>	-80.26	
12 59 16 00-0098	EA		Counter Cap 48" Herman Miller, AO450.1448-M8-DT .....	115.44	10.16
			<i>For Owner Furnished Material, Deduct</i>	-89.99	
12 59 16 00-0099	EA		Counter Cap 48" Herman Miller, AO450.1448-OL-DT .....	115.44	10.16
			<i>For Owner Furnished Material, Deduct</i>	-89.99	
12 59 16 00-0100	EA		Counter Cap 60" Herman Miller, AO450.1460-M8-DT .....	143.63	12.70
			<i>For Owner Furnished Material, Deduct</i>	-111.96	
12 59 16 00-0101	EA		Counter Cap 60" Herman Miller, AO450.1460-OL-DT .....	143.63	12.70
			<i>For Owner Furnished Material, Deduct</i>	-111.96	
12 59 16 00-0102	EA		Counter Cap 72" Herman Miller, AO450.1472-M8-DT .....	172.48	15.23
			<i>For Owner Furnished Material, Deduct</i>	-134.46	
12 59 16 00-0103	EA		Counter Cap 72" Herman Miller, AO450.1472-OL-DT .....	172.48	15.23
			<i>For Owner Furnished Material, Deduct</i>	-134.46	
12 59 16 00-0104	EA		Corner Counter Cap (Right Angle) Herman Miller, AO653-M8-DT .....	301.72	26.59
			<i>For Owner Furnished Material, Deduct</i>	-235.20	
12 59 16 00-0105	EA		Corner Counter Cap (Right Angle) Herman Miller, AO653-OL-DT .....	301.72	26.59
			<i>For Owner Furnished Material, Deduct</i>	-235.20	
12 59 16 00-0106	EA		Pencil Drawer Herman Miller, AO480.DT .....	26.11	2.06
			<i>For Owner Furnished Material, Deduct</i>	-20.93	
12 59 16 00-0107	EA		Shelf 24" Herman Miller, AO520.1324-LN .....	88.12	7.78
			<i>For Owner Furnished Material, Deduct</i>	-68.69	
12 59 16 00-0108	EA		Shelf 36" Herman Miller, AO520.1336-LN .....	95.94	8.41
			<i>For Owner Furnished Material, Deduct</i>	-74.79	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 16 00-0109	EA		Shelf 48" Herman Miller, AO520.1348-LN <i>For Owner Furnished Material, Deduct</i>	102.47 -79.88	9.05
12 59 16 00-0110	EA		Flipper Door 24" (Keyed Between UM 226 and UM300) Herman Miller, AO550.1324-LN-V3860 <i>For Owner Furnished Material, Deduct</i>	152.06 -118.54	13.41
12 59 16 00-0111	EA		Flipper Door 36" (Keyed Between UM 226 and UM300) Herman Miller, AO550.1336-LN-V3860 <i>For Owner Furnished Material, Deduct</i>	177.53 -138.39	15.71
12 59 16 00-0112	EA		Flipper Door 48" (Keyed Between UM 226 and UM300) Herman Miller, AO550.1348-LN-V3860 <i>For Owner Furnished Material, Deduct</i>	203.63 -158.74	17.93
12 59 16 00-0113	EA		Vinyl Keyboard Tray (Fully Adjustable) Herman Miller, G7715.BU <i>For Owner Furnished Material, Deduct</i>	237.59 -185.21	20.94
12 59 16 00-0114	EA		Palm Rest For Vinyl Keyboard Tray Herman Miller, G7790 <i>For Owner Furnished Material, Deduct</i>	37.19 -28.99	3.33
12 59 16 00-0115	EA		Drawer Pedestal Loop Pull Stationary 24D File/File Herman Miller, PEDDIFF24 <i>For Owner Furnished Material, Deduct</i>	426.99 -332.85	37.61
12 59 16 00-0116	EA		Drawer Pedestal Loop Pull Stationary 24D Box /Box/File Herman Miller, PEDDIBBF24 <i>For Owner Furnished Material, Deduct</i>	442.41 -344.88	39.03
12 59 16 00-0117	EA		Stationary Divider Herman Miller, G5911.19 <i>For Owner Furnished Material, Deduct</i>	96.60 -75.31	8.49
12 59 16 00-0118	EA		Utility Tray, Herman Miller, G5912 <i>For Owner Furnished Material, Deduct</i>	12.39 -9.66	1.11
12 59 16 00-0119	EA		File Converter Herman Miller, G5913 <i>For Owner Furnished Material, Deduct</i>	20.89 -16.28	1.83
12 59 16 00-0120	EA		Radiused Edge Corner Work Surface Herman Miller, AO421.2436L-M8-DT <i>For Owner Furnished Material, Deduct</i>	300.16 -234.00	26.50
12 59 16 00-0121	EA		Radiused Edge Corner Work Surface Herman Miller, AO421.2436L-OL-DT <i>For Owner Furnished Material, Deduct</i>	300.16 -234.00	26.50
12 59 16 00-0122	EA		Task Light Herman Miller, G6130.24M-LN <i>For Owner Furnished Material, Deduct</i>	104.43 -81.41	9.21
12 59 16 00-0123	EA		48" Round With Steel X Base Herman Miller <i>For Owner Furnished Material, Deduct</i>	807.67 -629.60	71.25
12 59 16 00-0124	EA		Double Sided Name Plate Herman Miller, MISCPAO375OBKO <i>For Owner Furnished Material, Deduct</i>	41.13 -32.06	3.65
12 59 16 00-0125	EA		Single Sided Name Plate Herman Miller, MISCPAO376OBKO <i>For Owner Furnished Material, Deduct</i>	17.99 -14.02	1.59

**12 59 16 00-0126 Disassemble And Store** (12 59 16 00-0032)

12 59 16 00-0127	EA		Disassemble And Store Series 1 Panel Camel 34H 24W Herman Miller, AO120.3424-LN-V3827	27.27	
12 59 16 00-0128	EA		Disassemble And Store Series 1 Panel Camel 34H 30W Herman Miller, AO120.3430-LN-V3827	30.30	
12 59 16 00-0129	EA		Disassemble And Store Series 1 Panel Camel 34H 36W Herman Miller, AO120.3436-LN-V3827	32.40	
12 59 16 00-0130	EA		Disassemble And Store Series 1 Panel Camel 34H 48W Herman Miller, AO120.3448-LN-V3827	36.30	
12 59 16 00-0131	EA		Disassemble And Store Series 1 Panel Camel 42H 24W Herman Miller, AO120.4224-LN-V3827	27.70	
12 59 16 00-0132	EA		Disassemble And Store Series 1 Panel Camel 42H 30W Herman Miller, AO120.4230-LN-V3827	31.31	
12 59 16 00-0133	EA		Disassemble And Store Series 1 Panel Camel 42H 36W Herman Miller, AO120.4236-LN-V3827	35.08	
12 59 16 00-0134	EA		Disassemble And Store Series 1 Panel Camel 42H 48W Herman Miller, AO120.4248-LN-V3827	41.22	
12 59 16 00-0135	EA		Disassemble And Store Series 1 Panel Camel 62H 12W Herman Miller, AO130.6212-LN-V3827	26.69	
12 59 16 00-0136	EA		Disassemble And Store Series 1 Panel Terra Cotta 62H 12W Herman Miller, AO130.6212-LN-V3850	26.69	
12 59 16 00-0137	EA		Disassemble And Store Series 1 Panel Camel 62H 24W Herman Miller, AO130.6224-LN-V3827	32.84	
12 59 16 00-0138	EA		Disassemble And Store Series 1 Panel Terra Cotta 62H 24W Herman Miller, AO130.6224-LN-V3850	32.84	
12 59 16 00-0139	EA		Disassemble And Store Series 1 Panel Camel 62H 36W Herman Miller, AO130.6236-LN-V3827	41.08	
12 59 16 00-0140	EA		Disassemble And Store Series 1 Panel Terra Cotta 62H 36W Herman Miller, AO130.6236-LN-V3850	41.08	
12 59 16 00-0141	EA		Disassemble And Store Series 1 Panel Camel 62H 48W Herman Miller, AO130.6248-LN-V3827	49.19	
12 59 16 00-0142	EA		Disassemble And Store Panel Hardware Panel Connector - 34" Series 1. Herman Miller, AO215.34	1.49	
12 59 16 00-0143	EA		Disassemble And Store Panel Hardware Panel Connector - 42" Series 1. Herman Miller, AO215.42	1.49	
12 59 16 00-0144	EA		Disassemble And Store Panel Hardware Panel Connector - 62" Series 1. Herman Miller, AO215.62	1.59	
12 59 16 00-0145	EA		Disassemble And Store Panel Hardware 34" Two-Way 90 Series 1. Herman Miller, AO220.34-LN	6.85	
12 59 16 00-0146	EA		Disassemble And Store Series 1 Panel Hardware 42" Two-Way 90 Herman Miller, AO220.42-LN	7.94	
12 59 16 00-0147	EA		Disassemble And Store Series 1 Panel Hardware 62" Two-Way 90 Herman Miller, AO220.62-LN	9.14	
12 59 16 00-0148	EA		Disassemble And Store Series 1 Panel Hardware 34" Three-Way 90 Herman Miller, AO230.34-LN	10.62	
12 59 16 00-0149	EA		Disassemble And Store Series 1 Panel Hardware 42" Three-Way 90 Herman Miller, AO230.42-LN	12.31	
12 59 16 00-0150	EA		Disassemble And Store Series 1 Panel Hardware 62" Three-Way 90 Herman Miller, AO230.62-LN	14.30	
12 59 16 00-0151	EA		Disassemble And Store Series 1 Panel Hardware 34" Four-Way 90 Herman Miller, AO240.34-LN	13.40	
12 59 16 00-0152	EA		Disassemble And Store Series 1 Panel Hardware 42" Four-Way90 Herman Miller, AO240.42-LN	15.68	
12 59 16 00-0153	EA		Disassemble And Store Series 1 Panel Hardware 62" Four-Way 90 Herman Miller, AO240.62-LN	18.86	
12 59 16 00-0154	EA		Disassemble And Store Panel Hardware Panel End Cap - 34" Series 1, Herman Miller, AO250.34-LN	2.28	
12 59 16 00-0155	EA		Disassemble And Store Panel Hardware Panel End Cap - 42" Herman Miller, AO250.42-LN	2.58	
12 59 16 00-0156	EA		Disassemble And Store Panel Hardware Panel End Cap - 62" Herman Miller, AO250.62-LN	2.78	
12 59 16 00-0157	EA		Disassemble And Store Panel Hardware Variable Height Filler Herman Miller, AO259.LN	2.52	
12 59 16 00-0158	EA		Disassemble And Store Series 1 Cable Management Two-Way Trim Cover. Herman Miller, AO362.2-DT	1.30	
12 59 16 00-0159	EA		Disassemble And Store Series 1 Cable Management Three-Way Trim Cover. Herman Miller, AO362.3-DT	1.37	
12 59 16 00-0160	EA		Disassemble And Store Series 1 Cable Management Four-Way Trim Cover. Herman Miller, AO362.4-DT	1.59	
12 59 16 00-0161	EA		Disassemble And Store Series 1 Cable Management End Cap Trim Cover. Herman Miller, AO363-DT	1.30	
12 59 16 00-0162	EA		Disassemble And Store Series 1 Cable Management Assembly 12" Herman Miller, AO380.12-DT	2.66	
12 59 16 00-0163	EA		Disassemble And Store Series 1 Cable Management Assembly 24" Herman Miller, AO380.24-DT	3.02	
12 59 16 00-0164	EA		Disassemble And Store Series 1 Cable Management Assembly 30" Herman Miller, AO380.30-DT	3.09	
12 59 16 00-0165	EA		Disassemble And Store Series 1 Cable Management Assembly 36" Herman Miller, AO380.36-DT	3.45	
12 59 16 00-0166	EA		Disassemble And Store Series 1 Cable Management Assembly 48" Herman Miller, AO380.48-DT	3.89	
12 59 16 00-0167	EA		Disassemble And Store Hanging Work Surface Radiused Edge 24" x 36" Herman Miller, AO417.2436-M8-DT	20.90	
12 59 16 00-0168	EA		Disassemble And Store Hanging Work Surface Radiused Edge 24" x 36" Herman Miller, AO417.2436-OL-DT	20.90	
12 59 16 00-0169	EA		Disassemble And Store Hanging Work Surface Radiused Edge 30" x 36" Herman Miller, AO417.3036-M8-DT	25.75	
12 59 16 00-0170	EA		Disassemble And Store Hanging Work Surface Radiused Edge 30" x 36" Herman Miller, AO417.3036-OL-DT	25.75	
12 59 16 00-0171	EA		Disassemble And Store Hanging Work Surface Radiused Edge 24" x 48" Herman Miller, AO417.2448-M8-DT	24.31	
12 59 16 00-0172	EA		Disassemble And Store Hanging Work Surface Radiused Edge 24" x 48" Herman Miller, AO417.2448-OL-DT	24.31	
12 59 16 00-0173	EA		Disassemble And Store Hanging Work Surface Radiused Edge 30" x 48" Herman Miller, AO417.3048-M8-DT	30.38	
12 59 16 00-0174	EA		Disassemble And Store Hanging Work Surface Radiused Edge 30" x 48" Herman Miller, AO417.3048-OL-DT	30.38	
12 59 16 00-0175	EA		Disassemble And Store Hanging Work Surface Radiused Edge 24" x 60" Herman Miller, AO417.2460-M8-DT	30.67	
12 59 16 00-0176	EA		Disassemble And Store Hanging Work Surface Radiused Edge 24" x 60" Herman Miller, AO417.2460-OL-DT	30.67	

## 12 Furnishings

## 12 50 Furniture

## 12 59 Systems Furniture

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

12 59 16 00-0177	EA	Disassemble And Store Hanging Work Surface Radiused Edge 30" x 60" Herman Miller, AO417.3060-M8-DT	38.62	
12 59 16 00-0178	EA	Disassemble And Store Hanging Work Surface Radiused Edge 30" x 60" Herman Miller, AO417.3060-OL-DT	38.62	
12 59 16 00-0179	EA	Disassemble And Store Hanging Work Surface Radiused Edge 24" x 72" Herman Miller, AO417.2472-M8-DT	37.25	
12 59 16 00-0180	EA	Disassemble And Store Hanging Work Surface Radiused Edge 24" x 72" Herman Miller, AO417.2472-OL-DT	37.25	
12 59 16 00-0181	EA	Disassemble And Store Hanging Work Surface Radiused Edge 30" x 72" Herman Miller, AO417.3072-M8-DT	46.80	
12 59 16 00-0182	EA	Disassemble And Store Hanging Work Surface Radiused Edge 30" x 72" Herman Miller, AO417.3072-OL-DT	46.80	
12 59 16 00-0183	EA	Disassemble And Store Table - Radiused Edge 30" x 60" Herman Miller, AO712.3060-M8-DT	72.27	
12 59 16 00-0184	EA	Disassemble And Store Table - Radiused Edge 30" x 60" Herman Miller, AO712.3060-OL-DT	83.13	
12 59 16 00-0185	EA	Disassemble And Store Table - Radiused Edge 30" x 72" Herman Miller, AO712.3072-M8-DT	78.96	
12 59 16 00-0186	EA	Disassemble And Store Table - Radiused Edge 30" x 72" Herman Miller, AO712.3072-OL-DT	90.82	
12 59 16 00-0187	EA	Disassemble And Store Counter Cap 24" Herman Miller, AO450.1424-M8-DT	9.98	
12 59 16 00-0188	EA	Disassemble And Store Counter Cap 24" Herman Miller, AO450.1424-OL-DT	9.98	
12 59 16 00-0189	EA	Disassemble And Store Counter Cap 36" Herman Miller, AO450.1436-M8-DT	11.35	
12 59 16 00-0190	EA	Disassemble And Store Counter Cap 36" Herman Miller, AO450.1436-OL-DT	11.35	
12 59 16 00-0191	EA	Disassemble And Store Counter Cap 48" Herman Miller, AO450.1448-M8-DT	12.73	
12 59 16 00-0192	EA	Disassemble And Store Counter Cap 48" Herman Miller, AO450.1448-OL-DT	12.73	
12 59 16 00-0193	EA	Disassemble And Store Counter Cap 60" Herman Miller, AO450.1460-M8-DT	15.84	
12 59 16 00-0194	EA	Disassemble And Store Counter Cap 60" Herman Miller, AO450.1460-OL-DT	15.84	
12 59 16 00-0195	EA	Disassemble And Store Counter Cap 72" Herman Miller, AO450.1472-M8-DT	19.03	
12 59 16 00-0196	EA	Disassemble And Store Counter Cap 72" Herman Miller, AO450.1472-OL-DT	19.03	
12 59 16 00-0197	EA	Disassemble And Store Corner Counter Cap (Right Angle) Herman Miller, AO653-M8-DT	33.27	
12 59 16 00-0198	EA	Disassemble And Store Corner Counter Cap (Right Angle) Herman Miller, AO653-OL-DT	33.27	
12 59 16 00-0199	EA	Disassemble And Store Pencil Drawer Herman Miller, AO480.DT	2.59	
12 59 16 00-0200	EA	Disassemble And Store Shelf 24" Herman Miller, AO520.1324-LN	9.72	
12 59 16 00-0201	EA	Disassemble And Store Shelf 36" Herman Miller, AO520.1336-LN	10.58	
12 59 16 00-0202	EA	Disassemble And Store Shelf 48" Herman Miller, AO520.1348-LN	11.30	
12 59 16 00-0203	EA	Disassemble And Store Flipper Door 24" (Keyed Between UM 226 and UM300). Herman Miller, AO550.1324-LN-V3860	16.77	
12 59 16 00-0204	EA	Disassemble And Store Flipper Door 36" (Keyed Between UM 226 and UM300). Herman Miller, AO550.1336-LN-V3860	19.58	
12 59 16 00-0205	EA	Disassemble And Store Flipper Door 48" (Keyed Between UM 226 and UM300). Herman Miller, AO550.1348-LN-V3860	22.46	
12 59 16 00-0206	EA	Disassemble And Store Vinyl Keyboard Tray (Fully Adjustable) Herman Miller, G7715.BU	26.20	
12 59 16 00-0207	EA	Disassemble And Store Palm Rest For Vinyl Keyboard Tray Herman Miller, G7790	4.11	
12 59 16 00-0208	EA	Disassemble And Store Drawer Pedestal Loop Pull Stationary 24D File/File. Herman Miller, PEDDIFF24	47.09	
12 59 16 00-0209	EA	Disassemble And Store Drawer Pedestal Loop Pull Stationary 24D Box /Box/File. Herman Miller, PEDDIBBF24	48.78	
12 59 16 00-0210	EA	Disassemble And Store Stationary Divider Herman Miller, G5911.19	10.65	
12 59 16 00-0211	EA	Disassemble And Store Utility Tray, Herman Miller, G5912	1.37	
12 59 16 00-0212	EA	Disassemble And Store File Converter Herman Miller, G5913	2.30	
12 59 16 00-0213	EA	Disassemble And Store Radiused Edge Corner Work Surface Herman Miller, AO421.2436L-M8-DT	33.10	
12 59 16 00-0214	EA	Disassemble And Store Radiused Edge Corner Work Surface Herman Miller, AO421.2436L-OL-DT	33.10	
12 59 16 00-0215	EA	Disassemble And Store Task Light Herman Miller, G6130.24M-LN	11.52	
12 59 16 00-0216	EA	Disassemble And Store 48" Round With Steel X Base Herman Miller	89.06	
12 59 16 00-0217	EA	Disassemble And Store Double Sided Name Plate Herman Miller, MISCPAO375OBKO	4.54	
12 59 16 00-0218	EA	Disassemble And Store Single Sided Name Plate Herman Miller, MISCPAO376OBKO	1.98	

12 59 16 00-0219 Reconfigure (12 59 16 00-0032)

12 59 16 00-0220	EA	Reconfigure Series 1 Panel Camel 34H 24W Herman Miller, AO120.3424-LN-V3827	32.93	
12 59 16 00-0221	EA	Reconfigure Series 1 Panel Camel 34H 30W Herman Miller, AO120.3430-LN-V3827	36.60	
12 59 16 00-0222	EA	Reconfigure Series 1 Panel Camel 34H 36W Herman Miller, AO120.3436-LN-V3827	39.12	
12 59 16 00-0223	EA	Reconfigure Series 1 Panel Camel 34H 48W Herman Miller, AO120.3448-LN-V3827	43.84	
12 59 16 00-0224	EA	Reconfigure Series 1 Panel Camel 42H 24W Herman Miller, AO120.4224-LN-V3827	33.45	
12 59 16 00-0225	EA	Reconfigure Series 1 Panel Camel 42H 30W Herman Miller, AO120.4230-LN-V3827	37.82	
12 59 16 00-0226	EA	Reconfigure Series 1 Panel Camel 42H 36W Herman Miller, AO120.4236-LN-V3827	42.35	
12 59 16 00-0227	EA	Reconfigure Series 1 Panel Camel 42H 48W Herman Miller, AO120.4248-LN-V3827	49.78	
12 59 16 00-0228	EA	Reconfigure Series 1 Panel Camel 62H 12W Herman Miller, AO130.6212-LN-V3827	32.22	
12 59 16 00-0229	EA	Reconfigure Series 1 Panel Terra Cotta 62H 12W Herman Miller, AO130.6212-LN-V3850	32.22	
12 59 16 00-0230	EA	Reconfigure Series 1 Panel Camel 62H 24W Herman Miller, AO130.6224-LN-V3827	39.66	
12 59 16 00-0231	EA	Reconfigure Series 1 Panel Terra Cotta 62H 24W Herman Miller, AO130.6224-LN-V3850	39.66	
12 59 16 00-0232	EA	Reconfigure Series 1 Panel Camel 62H 36W Herman Miller, AO130.6236-LN-V3827	49.61	
12 59 16 00-0233	EA	Reconfigure Series 1 Panel Terra Cotta 62H 36W Herman Miller, AO130.6236-LN-V3850	49.61	
12 59 16 00-0234	EA	Reconfigure Series 1 Panel Camel 62H 48W Herman Miller, AO130.6248-LN-V3827	59.40	
12 59 16 00-0235	EA	Reconfigure Series 1 Panel Hardware Panel Connector-34" Herman Miller, AO215.34	1.81	
12 59 16 00-0236	EA	Reconfigure Series 1 Panel Hardware Panel Connector-42" Herman Miller, AO215.42	1.81	
12 59 16 00-0237	EA	Reconfigure Series 1 Panel Hardware Panel Connector-62" Herman Miller, AO215.62	1.92	
12 59 16 00-0238	EA	Reconfigure Series 1 Panel Hardware 34" Two-Way 90, Herman Miller, AO220.34-LN	8.26	
12 59 16 00-0239	EA	Reconfigure Series 1 Panel Hardware 42" Two-Way 90 Herman Miller, AO220.42-LN	9.58	
12 59 16 00-0240	EA	Reconfigure Series 1 Panel Hardware 62" Two-Way 90 Herman Miller, AO220.62-LN	11.02	
12 59 16 00-0241	EA	Reconfigure Series 1 Panel Hardware 34" Three-Way 90 Herman Miller, AO230.34-LN	12.82	
12 59 16 00-0242	EA	Reconfigure Series 1 Panel Hardware 42" Three-Way 90 Herman Miller, AO230.42-LN	14.86	
12 59 16 00-0243	EA	Reconfigure Series 1 Panel Hardware 62" Three-Way 90 Herman Miller, AO230.62-LN	17.27	
12 59 16 00-0244	EA	Reconfigure Series 1 Panel Hardware 34" Four-Way 90 Herman Miller, AO240.34-LN	16.19	
12 59 16 00-0245	EA	Reconfigure Series 1 Panel Hardware 42" Four-Way 90 Herman Miller, AO240.42-LN	18.96	
12 59 16 00-0246	EA	Reconfigure Series 1 Panel Hardware 62" Four-Way 90 Herman Miller, AO240.62-LN	22.78	
12 59 16 00-0247	EA	Reconfigure Series 1 Panel Hardware Panel End Cap-34" Herman Miller, AO250.34-LN	2.75	
12 59 16 00-0248	EA	Reconfigure Series 1 Panel Hardware Panel End Cap-42" Herman Miller, AO250.42-LN	3.11	
12 59 16 00-0249	EA	Reconfigure Series 1 Panel Hardware Panel End Cap-62" Herman Miller, AO250.62-LN	3.36	
12 59 16 00-0250	EA	Reconfigure Series 1 Panel Hardware Variable Height Filler Herman Miller, AO259.LN	3.04	
12 59 16 00-0251	EA	Reconfigure Series 1 Cable Management Two-Way Trim Cover Herman Miller, AO362.2-DT	1.57	
12 59 16 00-0252	EA	Reconfigure Series 1 Cable Management Three-Way Trim Cover Herman Miller, AO362.3-DT	1.66	
12 59 16 00-0253	EA	Reconfigure Series 1 Cable Management Four-Way Trim Cover Herman Miller, AO362.4-DT	1.91	
12 59 16 00-0254	EA	Reconfigure Series 1 Cable Management End Cap Trim Cover Herman Miller, AO363-DT	1.57	
12 59 16 00-0255	EA	Reconfigure Series 1 Cable Management Assembly 12" Herman Miller, AO380.12-DT	3.22	
12 59 16 00-0256	EA	Reconfigure Series 1 Cable Management Assembly 24" Herman Miller, AO380.24-DT	3.64	



		<b>Furnishings</b>	<b>12</b>
		Furniture	12 50
		Systems Furniture	12 59
MINOR		TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION		UNIT COST	UNIT COST

12 59 16 00-0257	EA	Reconfigure Series 1 Cable Management Assembly 30" Herman Miller, AO380.30-DT	3.74
12 59 16 00-0258	EA	Reconfigure Series 1 Cable Management Assembly 36" Herman Miller, AO380.36-DT	4.16
12 59 16 00-0259	EA	Reconfigure Series 1 Cable Management Assembly 48" Herman Miller, AO380.48-DT	4.69
12 59 16 00-0260	EA	Reconfigure Hanging Work Surface Radiused Edge 24" x 36" Herman Miller, AO417.2436-M8-DT	25.24
12 59 16 00-0261	EA	Reconfigure Hanging Work Surface Radiused Edge 24" x 36" Herman Miller, AO417.2436-OL-DT	25.24
12 59 16 00-0262	EA	Reconfigure Hanging Work Surface Radiused Edge 30" x 36" Herman Miller, AO417.3036-M8-DT	31.10
12 59 16 00-0263	EA	Reconfigure Hanging Work Surface Radiused Edge 30" x 36" Herman Miller, AO417.3036-OL-DT	31.10
12 59 16 00-0264	EA	Reconfigure Hanging Work Surface Radiused Edge 24" x 48" Herman Miller, AO417.2448-M8-DT	29.34
12 59 16 00-0265	EA	Reconfigure Hanging Work Surface Radiused Edge 24" x 48" Herman Miller, AO417.2448-OL-DT	29.34
12 59 16 00-0266	EA	Reconfigure Hanging Work Surface Radiused Edge 30" x 48" Herman Miller, AO417.3048-M8-DT	36.68
12 59 16 00-0267	EA	Reconfigure Hanging Work Surface Radiused Edge 30" x 48" Herman Miller, AO417.3048-OL-DT	36.68
12 59 16 00-0268	EA	Reconfigure Hanging Work Surface Radiused Edge 24" x 60" Herman Miller, AO417.2460-M8-DT	37.03
12 59 16 00-0269	EA	Reconfigure Hanging Work Surface Radiused Edge 24" x 60" Herman Miller, AO417.2460-OL-DT	37.03
12 59 16 00-0270	EA	Reconfigure Hanging Work Surface Radiused Edge 30" x 60" Herman Miller, AO417.3060-M8-DT	46.63
12 59 16 00-0271	EA	Reconfigure Hanging Work Surface Radiused Edge 30" x 60" Herman Miller, AO417.3060-OL-DT	46.63
12 59 16 00-0272	EA	Reconfigure Hanging Work Surface Radiused Edge 24" x 72" Herman Miller, AO417.2472-M8-DT	44.99
12 59 16 00-0273	EA	Reconfigure Hanging Work Surface Radiused Edge 24" x 72" Herman Miller, AO417.2472-OL-DT	44.99
12 59 16 00-0274	EA	Reconfigure Hanging Work Surface Radiused Edge 30" x 72" Herman Miller, AO417.3072-M8-DT	56.51
12 59 16 00-0275	EA	Reconfigure Hanging Work Surface Radiused Edge 30" x 72" Herman Miller, AO417.3072-OL-DT	56.51
12 59 16 00-0276	EA	Reconfigure Table - Radiused Edge 30" x 60" Herman Miller, AO712.3060-M8-DT	87.27
12 59 16 00-0277	EA	Reconfigure Table - Radiused Edge 30" x 60" Herman Miller, AO712.3060-OL-DT	100.39
12 59 16 00-0278	EA	Reconfigure Table - Radiused Edge 30" x 72" Herman Miller, AO712.3072-M8-DT	95.36
12 59 16 00-0279	EA	Reconfigure Table - Radiused Edge 30" x 72" Herman Miller, AO712.3072-OL-DT	109.69
12 59 16 00-0280	EA	Reconfigure Counter Cap 24" Herman Miller, AO450.1424-M8-DT	12.04
12 59 16 00-0281	EA	Reconfigure Counter Cap 24" Herman Miller, AO450.1424-OL-DT	12.04
12 59 16 00-0282	EA	Reconfigure Counter Cap 36" Herman Miller, AO450.1436-M8-DT	13.71
12 59 16 00-0283	EA	Reconfigure Counter Cap 36" Herman Miller, AO450.1436-OL-DT	13.71
12 59 16 00-0284	EA	Reconfigure Counter Cap 48" Herman Miller, AO450.1448-M8-DT	15.37
12 59 16 00-0285	EA	Reconfigure Counter Cap 48" Herman Miller, AO450.1448-OL-DT	15.37
12 59 16 00-0286	EA	Reconfigure Counter Cap 60" Herman Miller, AO450.1460-M8-DT	19.14
12 59 16 00-0287	EA	Reconfigure Counter Cap 60" Herman Miller, AO450.1460-OL-DT	19.14
12 59 16 00-0288	EA	Reconfigure Counter Cap 72" Herman Miller, AO450.1472-M8-DT	22.97
12 59 16 00-0289	EA	Reconfigure Counter Cap 72" Herman Miller, AO450.1472-OL-DT	22.97
12 59 16 00-0290	EA	Reconfigure Corner Counter Cap (Right Angle) Herman Miller, AO653-M8-DT	40.18
12 59 16 00-0291	EA	Reconfigure Corner Counter Cap (Right Angle) Herman Miller, AO653-OL-DT	40.18
12 59 16 00-0292	EA	Reconfigure Pencil Drawer Herman Miller, AO480.DT	3.12
12 59 16 00-0293	EA	Reconfigure Shelf 24" Herman Miller, AO520.1324-LN	11.74
12 59 16 00-0294	EA	Reconfigure Shelf 36" Herman Miller, AO520.1336-LN	12.78
12 59 16 00-0295	EA	Reconfigure Shelf 48" Herman Miller, AO520.1348-LN	13.65
12 59 16 00-0296	EA	Reconfigure Flipper Door 24" Keyed between UM 226 and UM300) Herman Miller, AO550.1324-LN-V3860	20.25
12 59 16 00-0297	EA	Reconfigure Flipper Door 36" Keyed between UM 226 and UM300) Herman Miller, AO550.1336-LN-V3860	23.64
12 59 16 00-0298	EA	Reconfigure Flipper Door 48" Keyed between UM 226 and UM300) Herman Miller, AO550.1348-LN-V3860	27.11
12 59 16 00-0299	EA	Reconfigure Vinyl Keyboard Tray (Fully Adjustable) Herman Miller, G7715.BU	31.64
12 59 16 00-0300	EA	Reconfigure Palm Rest For Vinyl Keyboard Tray Herman Miller, G7790	4.96
12 59 16 00-0301	EA	Reconfigure Drawer Pedestal Loop Pull Stationary 24D File/File Herman Miller, PEDDIFF24	56.87
12 59 16 00-0302	EA	Reconfigure Drawer Pedestal Loop Pull Stationary 24D Box/Box/File Herman Miller, PEDDIBBF24	58.91
12 59 16 00-0303	EA	Reconfigure Stationary Divider Herman Miller, G5911.19	12.85
12 59 16 00-0304	EA	Reconfigure Utility Tray Herman Miller, G5912	1.66
12 59 16 00-0305	EA	Reconfigure File Converter Herman Miller, G5913	2.78
12 59 16 00-0306	EA	Reconfigure Radiused Edge Corner Work Surface Herman Miller, AO421.2436L-M8-DT	39.96
12 59 16 00-0307	EA	Reconfigure Radiused Edge Corner Work Surface Herman Miller, AO421.2436L-OL-DT	39.96
12 59 16 00-0308	EA	Reconfigure Task Light Herman Miller, G6130.24M-LN	13.90
12 59 16 00-0309	EA	Reconfigure 48" Round With Steel X Base Herman Miller	107.55
12 59 16 00-0310	EA	Reconfigure Double Sided Name Plate Herman Miller, MISCPAO375OBKO	5.48
12 59 16 00-0311	EA	Reconfigure Single Sided Name Plate Herman Miller, MISCPAO376OBKO	2.40

**END OF SECTION 12**

**12 Furnishings**

12 50 Furniture

12 59 Systems Furniture

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
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13 Special Construction

13 20 Special Purpose Rooms <sup>(13)</sup>

13 21 Controlled Environment Rooms <sup>(13 20)</sup>

**13 21 26 Cold Storage Rooms <sup>(13 21)</sup>**

**13 21 26 13 Walk-in Coolers <sup>(13 21 26)</sup>**

See CSI section 11 41 23 00-0000 for walk-in coolers.

13 40 Integrated Construction <sup>(13)</sup>

13 47 Facility Protection <sup>(13 40)</sup>

**13 47 13 Cathodic Protection <sup>(13 47)</sup>**

**13 47 13 13 Cathodic Protection for Underground and Submerged Piping <sup>(13 47 13)</sup>**

13 47 13 13-0001	EA	Anodes <sup>(13 47 13 13)</sup>		
13 47 13 13-0002	EA	Magnesium Type, Conventional <sup>(13 47 13 13-0001)</sup>		
13 47 13 13-0003	EA	9 LB Magnesium Type Anodes.....	360.36	158.32
13 47 13 13-0004	EA	17 LB Magnesium Type Anodes.....	534.15	228.82
13 47 13 13-0005	EA	32 LB Magnesium Type Anode.....	727.80	294.37
13 47 13 13-0006	EA	48 LB Magnesium Type Anode.....	1,035.74	411.88

13 47 13 13-0007	EA	Graphite Type <sup>(13 47 13 13-0001)</sup>		
Note: Includes epoxy cap.				
13 47 13 13-0008	EA	3" x 60" (32 LB) Graphite Type Anodes With Epoxy Cap .....	532.80	219.79
13 47 13 13-0009	EA	4" x 80" (68 LB) Graphite Type Anodes With Epoxy Cap .....	829.21	306.91
13 47 13 13-0010	EA	6" x 36" (45 LB) Graphite Type Anodes With Epoxy Cap .....	622.90	192.07
13 47 13 13-0011	EA	6" x 72" (80 LB) Graphite Type Anodes With Epoxy Cap .....	953.51	256.42

13 47 13 13-0012	EA	Rectifiers <sup>(13 47 13 13)</sup>		
13 47 13 13-0013	EA	Air Cooled, Silicon Type <sup>(13 47 13 13-0012)</sup>		
13 47 13 13-0014	EA	Air Cooled Rectifiers, 28 Volt, 10 Amperes, Silicon Type .....	1,879.37	312.12
13 47 13 13-0015	EA	Air Cooled Rectifiers, 20 Volt / 20 Amperes, Silicon Type .....	2,035.97	312.12

13 47 13 13-0016	EA	Oil Immersed, Silicon Type <sup>(13 47 13 13-0012)</sup>		
13 47 13 13-0017	EA	Oil Immersed Rectifiers, 28 Volt, 10 Amperes, Silicon Type.....	2,845.92	360.88
13 47 13 13-0018	EA	Oil Immersed Rectifiers, 20 Volt / 20 Amperes, Silicon Type.....	3,013.70	360.88

13 47 13 13-0019	LB	Anode Backfill <sup>(13 47 13 13)</sup>		
13 47 13 13-0020	LB	Anode Backfill, Coke Breeze .....	1.04	0.39

13 47 13 13-0021	MLF	Cathodic Protection Cable <sup>(13 47 13 13)</sup>		
13 47 13 13-0022	MLF	Cathodic Protection Cable, OR2 - No 8 .....	1,975.12	768.28
13 47 13 13-0023	MLF	Cathodic Protection Cable, OR2 - No 6 .....	2,169.46	768.28
13 47 13 13-0024	MLF	Cathodic Protection Cable, OR2 - No 4 .....	2,460.95	768.28
13 47 13 13-0025	MLF	Cathodic Protection Cable, OR2 - No 2 .....	2,946.78	768.28
13 47 13 13-0026	MLF	Cathodic Protection Cable, OR2 - No 1 .....	3,633.28	846.49
13 47 13 13-0027	MLF	Cathodic Protection Cable, OR2-No 1/0 .....	3,997.65	846.49
13 47 13 13-0028	MLF	Cathodic Protection Cable, OR2-No 2/0 .....	4,604.93	846.49
13 47 13 13-0029	MLF	Cathodic Protection Cable, OR2-No 4/0 .....	6,214.22	922.72

13 47 13 13-0030	EA	Cathodic Test Stations <sup>(13 47 13 13)</sup>		
13 47 13 13-0031	EA	Flush Curb Box Type With Lockable Cover And Terminal Box <sup>(13 47 13 13-0030)</sup>		
13 47 13 13-0032	EA	Cathodic Test Station, Flush Curb Type With Lockable Cover .....	273.24	89.95

**13 47 13 16 Cathodic Protection for Underground Storage Tanks <sup>(13 47 13)</sup>**  
See CSI section 13 47 13 13-0000 for cathodic protection for tanks.

13 48 Sound, Vibration, and Seismic Control <sup>(13 40)</sup>

**13 48 63 Fabricated Seismic Control Assemblies <sup>(13 48)</sup>**

13 48 63 00-0001	EA	Seismic Bracing Assembly <sup>(13 48 63)</sup>		
13 48 63 00-0002	EA	4-Bolt Deck Anchor Connection For Seismic Brace.....	161.33	
Note: Includes drilling into concrete, bolts, anchor plate, seismic bracket attached with bolt, nut and washer.				
13 48 63 00-0003	EA	2 Cable Seismic Brace With Center Threaded Rod Stiffener .....	145.90	
Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.				
13 48 63 00-0004	EA	3 Cable Seismic Brace With Center Threaded Rod Stiffener .....	219.23	
Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.				

**13 Special Construction**

**13 40 Integrated Construction**

**13 48 Sound, Vibration, and Seismic Control**



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13 48 63 00-0005	EA	4 Cable Seismic Brace With Center Threaded Rod Stiffener.....	284.16	
		Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0006	EA	2 Channel Seismic Brace With Center Threaded Rod Stiffener.....	279.93	
		Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0007	EA	3 Channel Seismic Brace With Center Threaded Rod Stiffener.....	416.08	
		Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0008	EA	4 Channel Seismic Brace With Center Threaded Rod Stiffener.....	552.21	
		Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0009	EA	2 Rod Seismic Brace With Center Threaded Rod Stiffener.....	175.63	
		Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0010	EA	3 Rod Seismic Brace With Center Threaded Rod Stiffener.....	259.64	
		Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0011	EA	4 Rod Seismic Brace With Center Threaded Rod Stiffener.....	343.62	
		Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.		

**13 48 63 00-0012 Seismic Restraints** (13 48 63)

13 48 63 00-0013	EA	1" x 1" Seismic Fastener, Gray, Drilled With 0.187 Diameter Hole.....	4.69	1.11
		Note: Adhesive applied.		
13 48 63 00-0014	EA	1" x 1" Seismic Fastener, Gray, Adhesive Applied.....	3.58	0.55
13 48 63 00-0015	EA	1" x 2" Seismic Fastener, Gray, Drilled With (2) 0.187 Diameter Hole.....	6.12	1.39
		Note: Adhesive applied.		
13 48 63 00-0016	EA	1" x 2" Seismic Fastener, Gray, Adhesive Applied.....	4.56	0.69
13 48 63 00-0017	EA	2" x 2" Seismic Fastener, Gray, Adhesive Applied.....	5.76	0.81
13 48 63 00-0018	EA	2" x 3" Seismic Fastener, Gray, Adhesive Applied.....	9.60	0.98
13 48 63 00-0019	LF	3/4" Wide Seismic Strap, Gray.....	4.16	0.84
13 48 63 00-0020	LF	1" Wide Seismic Strap, Gray.....	6.04	0.84
13 48 63 00-0021	EA	3/4" Wide x 4" Long Seismic Strap, Gray.....	2.04	0.55
13 48 63 00-0022	EA	3/4" Wide x 12" Long Seismic Strap, Gray.....	9.03	1.66
13 48 63 00-0023	LF	Seismic Chord, Black.....	2.56	0.84
13 48 63 00-0024	LF	SAFELOK Seismic Fastener, Black.....	3.34	0.84

**13 48 63 00-0025 Seismic Brace Components** (13 48 63)

13 48 63 00-0026	EA	1/8" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-1).....	28.86	
		Note: To be used with 7x19 stranded cable.		
13 48 63 00-0027	EA	3/16" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-2).....	39.53	
		Note: To be used with 7x19 stranded cable.		
13 48 63 00-0028	EA	1/4" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-3).....	52.35	
		Note: To be used with 7x19 stranded cable.		
13 48 63 00-0029	EA	3/8" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-4).....	71.54	
		Note: To be used with 7x19 stranded cable.		
13 48 63 00-0030	EA	Seismic Solid Brace Swivel Anchor (Mason SSB-1).....	27.12	
		Note: To be used with angle or channel.		
13 48 63 00-0031	EA	Seismic Solid Brace Swivel Anchor (Mason SSB-2).....	36.51	
		Note: To be used with angle or channel.		
13 48 63 00-0032	EA	Seismic Solid Brace Swivel Anchor (Mason SSB-3).....	47.92	
		Note: To be used with angle or channel.		
13 48 63 00-0033	EA	Seismic Solid Brace Swivel Anchor (Mason SSB-4).....	64.69	
		Note: To be used with angle or channel.		
13 48 63 00-0034	EA	1/8" Cable Diameter Seismic Cable Brace Hook Anchor (Mason SCBH-1).....	32.82	
		Note: To be used with 7x19 stranded cable.		
13 48 63 00-0035	EA	3/16" Cable Diameter Seismic Cable Brace Hook Anchor (Mason SCBH-2).....	43.22	
		Note: To be used with 7x19 stranded cable.		
13 48 63 00-0036	EA	1/4" Cable Diameter Seismic Cable Brace Hook Anchor (Mason SCBH-3).....	60.00	
		Note: To be used with 7x19 stranded cable.		
13 48 63 00-0037	EA	1/8" Cable Diameter Seismic Cable Brace Vise Anchor (Mason SCBV-1).....	57.31	
		Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.		
13 48 63 00-0038	EA	3/16" Cable Diameter Seismic Cable Brace Vise Anchor (Mason SCBV-2).....	80.46	
		Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.		
13 48 63 00-0039	EA	1/4" Cable Diameter Seismic Cable Brace Vise Anchor (Mason SCBV-3).....	109.65	
		Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.		
13 48 63 00-0040	EA	Seismic Rod Clamp (Mason SRC-1).....	24.32	
		Note: To be used on 3/8" through 5/8" rod. 1" x 1" x 1/4" Angle or Stiffener not included.		
13 48 63 00-0041	EA	Seismic Rod Clamp (Mason SRC-1 1/2).....	29.69	
		Note: To be used on 3/8" through 1" rod. 1-1/2" x 1-1/2" x 1/4" Angle or Stiffener not included.		
13 48 63 00-0042	EA	Seismic Rod Clamp (Mason SRC-2).....	37.07	
		Note: To be used on 3/8" through 1-1/4" rod. 2" x 2" x 1/4" Angle or Stiffener not included.		

**13 49 Radiation Protection** (13 40)

**13 49 13 Integrated X-Ray Shielding Assemblies** (13 49)

**13 49 13 00-0001 Lead Shielding** (13 49 13)

See CSI section 09 29 10 00-0036 for finishing tasks.

13 49 13 00-0002	SF	1/16" Sheet Lead Shielding.....	41.23	6.67
13 49 13 00-0003	SF	1/8" Sheet Lead Shielding.....	70.26	7.22
13 49 13 00-0004	SF	1/4" Sheet Lead Shielding.....	125.34	7.77
13 49 13 00-0005	SF	1/2" Sheet Lead Shielding.....	239.50	9.99

**13 49 16 Modular X-Ray Shielding Rooms** (13 49)

**13 49 16 00-0001 X-Ray Barriers, Modular** (13 49 16)

Note: Panels mounted within framework for attaching to floor, wall or ceiling, upper portion is clear lead plastic window panels 48" high, lower portion is opaque leaded steel panels 36" high. Excludes structural supports.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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13 49 16 00-0002			<b>36" Wide x 84" High, 1-Section Barrier, Modular X-Ray Barriers</b> (13 49 16 00-0001)		
13 49 16 00-0003	EA		0.5mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High.....	5,636.69	141.64
13 49 16 00-0004	EA		0.8mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High.....	5,979.86	141.64
13 49 16 00-0005	EA		1.0mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High.....	6,173.79	169.97
13 49 16 00-0006	EA		1.5mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High.....	6,585.59	169.97
13 49 16 00-0007			<b>72" Wide x 84" High, 2-Section Barrier, Modular X-Ray Barriers</b> (13 49 16 00-0001)		
13 49 16 00-0008	EA		0.5mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H.....	12,052.31	226.63
13 49 16 00-0009	EA		0.8mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H.....	12,532.74	226.63
13 49 16 00-0010	EA		1.0mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H.....	12,932.62	254.96
13 49 16 00-0011	EA		1.5mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H.....	13,950.10	283.28
13 49 16 00-0012			<b>108" Wide x 84" High, 3-Section Barrier, Modular X-Ray Barriers</b> (13 49 16 00-0001)		
13 49 16 00-0013	EA		0.5mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H.....	18,274.01	283.28
13 49 16 00-0014	EA		0.8mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H.....	19,166.24	283.28
13 49 16 00-0015	EA		1.0mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H.....	19,622.72	339.95
13 49 16 00-0016	EA		1.5mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H.....	21,051.95	368.28
13 49 16 00-0017			<b>X-Ray Barriers, Mobile</b> (13 49 16) Note: Mounted within framework with casters on bottom, clear lead plastic window panels on upper portion, opaque on lower.		
13 49 16 00-0018			<b>30" Wide x 75" High, Mobile X-Ray Barriers</b> (13 49 16 00-0017) Note: Includes Framework		
13 49 16 00-0019	EA		24" H Upper With 0.5mm LE, 48" H Lower With 0.8mm LE Mobile X-Ray Barriers.....	3,830.36	27.76
13 49 16 00-0020			<b>48" Wide x 75" High, Mobile X-Ray Barriers</b> (13 49 16 00-0017) Note: Includes Framework		
13 49 16 00-0021	EA		36"H Upper With 0.5mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers.....	6,781.60	27.76
13 49 16 00-0022	EA		36"H Upper With 1.0mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers.....	8,154.27	27.76
13 49 16 00-0023			<b>72" Wide x 75" High, Mobile X-Ray Barriers</b> (13 49 16 00-0017) Note: Includes Framework		
13 49 16 00-0024	EA		36"H Upper With 0.5mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers.....	8,017.00	27.76
13 49 16 00-0025	EA		36"H Upper With 1.0mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers.....	10,144.63	27.76
<b>13 49 19</b>			<b>Lead-Lined Materials</b> (13 49)		
<b>13 49 19 16</b>			<b>Lead-Lined Drywall</b> (13 49 19)		
13 49 19 16-0001			<b>Lead Lined Drywall</b> (13 49 19 16) See CSI section 09 29 10 00-0036 for finishing tasks.		
13 49 19 16-0002	SF		1/32" Lead Lined 5/8" Fire Rated Drywall.....	22.25	1.45
13 49 19 16-0003	SF		1/16" Lead Lined 5/8" Fire Rated Drywall.....	39.41	1.74
13 49 19 16-0004	SF		1/8" Lead Lined 5/8" Fire Rated Drywall.....	72.29	2.09

**END OF SECTION 13**

**13 Special Construction**

13 40 Integrated Construction

13 49 Radiation Protection



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CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 14 Conveying Equipment

### 14 01 Operation and Maintenance of Conveying Equipment <sup>(14)</sup>

#### 14 01 20 Operation and Maintenance of Elevators <sup>(14 01)</sup>

#### 14 01 20 71 Elevator Rehabilitation <sup>(14 01 20)</sup>

##### 14 01 20 71-0001 Elevator Maintenance <sup>(14 01 20 71)</sup>

14 01 20 71-0002	EA	Regular Routine Elevator Inspection, Traction Up to 10 floors (Sufficient for Issue of Certificate/Permit) .....	374.09	
14 01 20 71-0003	EA	Regular Routine Elevator Inspection, Traction Over 10 floors (Sufficient for Issue of Certificate/Permit) .....	561.14	
14 01 20 71-0004	EA	Regular Routine Elevator Inspection, Hydraulic (Sufficient for Issue of Certificate/Permit) .....	374.09	
14 01 20 71-0005	EA	Regular Routine Elevator Inspection, Roped Hydraulic (Sufficient for Issue of Certificate/Permit) .....	374.09	
14 01 20 71-0006	EA	Regular Routine Elevator Inspection, Dumbwaiter/Cart Lifts (Sufficient for Issue of Certificate/Permit) .....	280.57	
14 01 20 71-0007	HR	Elevator Servicing - Hydraulic, Labor Only .....	184.13	
14 01 20 71-0008	HR	Elevator Servicing - Traction, Labor Only .....	276.20	
14 01 20 71-0009	EA	Annual Category 1 Test for Traction Up to 10 floors .....	1,337.40	
14 01 20 71-0010	EA	Annual Category 1 Test for Traction Over 10 floors .....	1,671.75	
14 01 20 71-0011	EA	Annual Category 1 Test for Hydraulic Elevator .....	668.70	
14 01 20 71-0012	EA	Annual Category 1 Test for Roped Hydraulic Elevator .....	1,504.58	
14 01 20 71-0013	EA	Annual Category 1 Test for Dumbwaiter/Cart Lifts .....	1,003.06	
14 01 20 71-0014	EA	Full Load Test for Traction Up to 10 floors .....	2,340.46	
14 01 20 71-0015	EA	Full Load Test for Traction Over 10 floors .....	2,674.81	
14 01 20 71-0016	EA	Full Load Test for Hydraulic Elevator .....	2,006.10	
14 01 20 71-0017	EA	Full Load Test for Roped Hydraulic Elevator .....	2,507.63	
14 01 20 71-0018	EA	Full Load Test for Dumbwaiter/Cart Lifts .....	1,337.40	
14 01 20 71-0019	EA	Acceptance Test for Traction Up to 10 floors .....	2,069.61	
14 01 20 71-0020	EA	Acceptance Test for Traction Over 10 floors .....	2,328.32	
14 01 20 71-0021	EA	Acceptance Test for Hydraulic Elevator .....	2,069.61	
14 01 20 71-0022	EA	Acceptance Test for Roped Hydraulic Elevator .....	2,069.61	
14 01 20 71-0023	EA	Acceptance Test for Dumbwaiter/Cart Lifts .....	2,069.61	

##### 14 01 20 71-0024 Elevator Modernization <sup>(14 01 20 71)</sup>

14 01 20 71-0025	EA	5" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 LB x 50 FPM) .....	36,983.68	8,275.61
		Note: Includes replacing existing piston/cylinder, 10 3/4" Sealed PVC, pit channel and buffers.		
		<i>For Union-Guard Cathodic Protection, Add</i>	8,075.90	
		<i>Note: Includes Pump.</i>		
		<i>For An Additional Stop, Add</i>	7,789.45	
		<i>Note: Includes Removal.</i>		
14 01 20 71-0026	EA	6" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 LB x 50 FPM) .....	39,874.14	9,999.69
		Note: Includes replacing existing piston/cylinder, 10 3/4" Sealed PVC, pit channel and buffers.		
		<i>For Union-Guard Cathodic Protection, Add</i>	8,151.93	
		<i>Note: Includes Pump.</i>		
		<i>For An Additional Stop, Add</i>	8,172.45	
		<i>Note: Includes Removal.</i>		
14 01 20 71-0027	EA	8" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 LB x 50 FPM) .....	46,918.02	11,378.96
		Note: Includes replacing existing piston/cylinder, 12 3/4" Sealed PVC, pit channel and buffers.		
		<i>For Union-Guard Cathodic Protection, Add</i>	9,368.49	
		<i>Note: Includes Pump.</i>		
		<i>For An Additional Stop, Add</i>	10,035.45	
		<i>Note: Includes Removal.</i>		
14 01 20 71-0028	EA	Removal And Replacement Of Hydraulic Control (Maxton) Valve .....	4,962.79	
14 01 20 71-0029	EA	5 Gallon Container Of Hydraulic Oil For Elevator Modernization .....	63.37	
14 01 20 71-0030	EA	55 Gallon Container Of Hydraulic Oil For Elevator Modernization .....	698.91	
14 01 20 71-0031	SET	Car Roller Guide Assembly, Set Of Four .....	3,798.54	689.64
		Note: Includes cover plate.		
14 01 20 71-0032	SET	CWT Roller Guide Assembly, Set Of Four .....	3,256.57	689.64
		Note: Includes cover plate.		
14 01 20 71-0033	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Single Slide Door With Baked Enamel Finish .....	7,232.42	
		Note: Excludes buildback.		
14 01 20 71-0034	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Single Slide Door With Satin Stainless Finish .....	7,840.70	
		Note: Excludes buildback.		
14 01 20 71-0035	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Center Opening With Baked Enamel Finish .....	7,623.24	
		Note: Excludes buildback.		
14 01 20 71-0036	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Center Opening With Satin Stainless Finish .....	8,231.52	
		Note: Excludes buildback.		
14 01 20 71-0037	SF	Cab Flooring, Epoxy Aggregate .....	81.93	19.70
		Note: SF cost not applicable for partial cab flooring.		
14 01 20 71-0038	SF	Cab Flooring, Aluminum Diamond Plate .....	71.13	19.70
		Note: SF cost not applicable for partial cab flooring.		
14 01 20 71-0039	EA	Solid State Starting (Soft Start) .....	5,353.42	517.23
14 01 20 71-0040	EA	Pump Unit (Tank, Valve, Oil, Motor And Victaulic Fittings) .....	17,541.24	2,887.84
14 01 20 71-0041	EA	Hoistway Door Hanger Set (Rollers, Eccentrics And Track), Single Speed Side Slide (GAL Manufacturing) .....	2,283.01	689.64
14 01 20 71-0042	EA	Hoistway Door Closer Set (Spring Closer), Single Speed Side Slide (GAL Manufacturing) .....	417.29	172.41
14 01 20 71-0043	EA	Hoistway Door Closer Set (Spirator Closer), Single Speed Side Slide (GAL) .....	413.25	344.82
14 01 20 71-0044	EA	Hoistway Door Interlock Set, Single Speed Side Slide (GAL Manufacturing) .....	555.17	301.72
14 01 20 71-0045	EA	Hoistway Door Hanger Set (Rollers, Eccentrics And Track), Single Speed Center Opening (GAL Manufacturing) .....	2,718.05	689.64
14 01 20 71-0046	EA	Hoistway Door Closer Set (Spring Closer), Single Speed Center Opening (GAL Manufacturing) .....	550.10	318.95
14 01 20 71-0047	EA	Hoistway Door Closer Set (Spirator Closer), Single Speed Center Opening (GAL) .....	413.25	344.82
14 01 20 71-0048	EA	Hoistway Door Interlock Set, Single Speed Center Opening (GAL Manufacturing) .....	671.77	344.82
14 01 20 71-0049	EA	Fire Service Key Switch Controller .....	3,452.74	689.64
14 01 20 71-0050	EA	ADA Telephone (Rath Microtech) .....	1,071.53	344.82
14 01 20 71-0051	EA	Car Door Operator With ADA Buzzer, Single Speed Side Slide (GAL Manufacturing) .....	7,741.86	1,379.26

**14 Conveying Equipment**  
**14 01 Operation and Maintenance of Conveying Equipment**  
**14 01 20 Operation and Maintenance of Elevators**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 01	20 71-0052	EA	Car Door Operator With ADA Buzzer, Single Speed Center Opening (GAL Manufacturing).....	8,319.72	1,379.26
14 01	20 71-0053	EA	Car Door Safety Edge (Infrared Proximity Type Edge).....	2,470.14	344.82
14 01	20 71-0054	EA	Car Operating Panel (ADA, Fire, Position, Chime).....	8,152.45	1,379.26
14 01	20 71-0055	EA	Car Position LED Indicator And Cover Plate, Stainless Steel.....	1,716.11	344.82
14 01	20 71-0056	EA	Car Traveling Lanterns With Audible Signal.....	1,536.28	344.82
14 01	20 71-0057	EA	Hoistway Door Jamb Floor Tags (Braille).....	227.16	172.41
14 01	20 71-0058	EA	Lobby Vandal Resistant Call Station.....	1,452.64	344.82
14 01	20 71-0059	LF	Traveling Cable (4 - #14 AWG, 69 - #18 AWG, 1 Shielded Pair, 2 Co-Axial)..... Note: Excludes Removal and Replacement of Material. See CSI section 14 01 20 71-0060 for Removal and Replacement of Traveling Cable.	17.58	
14 01	20 71-0060	EA	Removal And Replacement Of Traveling Cable (4 - #14 AWG, 69 - #18 AWG, 1 Shielded Pair, 2 Co-Axial)..... Note: Excludes Traveling Cable material. See CSI section 14 01 20 71-0059 for Traveling Cable material.	5,517.07	2,758.54
14 01	20 71-0061	LF	Governor Cable..... Note: Removal and Replacement of Governor Cable is part of Traveling Cable Removal and Replacement.	1.37	
14 01	20 71-0062	EA	Cab Wall Coverings (3,500 Lb. Capacity: 6'-8" x 5'-5" Cab), Plastic Laminate - Hang On Panels.....	5,759.26	689.64
14 01	20 71-0063	EA	Cab Wall Coverings (3,500 Lb. Capacity: 6'-8" x 5'-5" Cab), Rigid Stainless Steel - Hang On Panels.....	8,192.38	689.64
14 01	20 71-0064	EA	Removal And Replacement Of Governor.....	4,836.57	689.64
14 01	20 71-0065	EA	Removal And Replacement Of Car Station.....	7,787.48	1,379.26
14 01	20 71-0066	EA	Removal And Replacement Of Telephone.....	1,650.33	344.82
14 01	20 71-0067	EA	Removal And Replacement Of Hall Lanterns.....	1,221.88	344.82
14 01	20 71-0068	EA	Hall Call Buttons, Vandal Resistant.....	993.78	344.82
14 01	20 71-0069	EA	Hall Traveling Lanterns With Audible Signal.....	1,566.69	344.82
14 01	20 71-0070	EA	Add Raised Character (Braille) Signage To Control Panel.....	190.20	172.41
14 01	20 71-0071	EA	New Microprocessor Based Controller (Non-Proprietary).....	40,058.24	5,517.07
14 01	20 71-0072	EA	New Steel Shell And Canopy (Excludes Plastic Panels), For 5' x 7' Cab.....	23,482.61	5,517.07
14 01	20 71-0073	EA	New Steel Shell, Canopy And Platform (Excludes Plastic Laminate), For 5' x 7' Cab.....	36,603.18	5,517.07
14 01	20 71-0074	EA	Removal And Replacement Of Elevator/Hoistway Doors (Single Slide Door Arrangement), Baked Enamel.....	3,072.56	
14 01	20 71-0075	EA	Removal And Replacement Of Elevator/Hoistway Doors (Center Opening Door Arrangement), Baked Enamel.....	3,238.84	
14 01	20 71-0076	EA	Removal And Replacement Of Elevator/Hoistway Doors (Single Slide Door Arrangement), Stainless Steel.....	3,423.84	
14 01	20 71-0077	EA	Removal And Replacement Of Elevator/Hoistway Doors (Center Opening Door Arrangement), Stainless Steel.....	3,624.58	
14 01	20 71-0078	EA	Elevator Pit Ladder, Steel..... Note: Labor cost is for bolting to concrete pit wall.	2,905.28	344.82
14 01	20 71-0079	EA	New Steel Shell, Canopy, Platform, Standard Cab Plastic Laminate, For 5' x 7' Cab.....	45,444.52	5,517.07
14 01	20 71-0080	LF	Removal And Replacement Of Hoisting Cable, 3/8" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 4.5, EHS Traction Steel - 5.5..... Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.	126.37	
14 01	20 71-0081	LF	Removal And Replacement Of Hoisting Cable, 1/2" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 6.0, EHS Traction Steel - 9.7..... Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.	134.65	
14 01	20 71-0082	LF	Removal And Replacement Of Hoisting Cable, 5/8" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 12.7, EHS Traction Steel - 15.4..... Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.	140.32	
14 01	20 71-0083	EA	Hydraulic Leak Detector And Alarm in Elevator Pit (Stancor Oil Minder - 0.5 HP).....	8,194.28	689.64
14 01	20 71-0084	EA	6" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening)..... Note: Cladding typically done by metal company.	3,437.53	689.64
14 01	20 71-0085	EA	8" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening)..... Note: Cladding typically done by metal company.	3,513.56	689.64
14 01	20 71-0086	EA	10" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening)..... Note: Cladding typically done by metal company.	3,589.60	689.64
14 01	20 71-0087	EA	12" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening)..... Note: Cladding typically done by metal company.	3,680.84	689.64
14 01	20 71-0088	EA	"Rope Gripper" With Pumping Unit For Use On 4-7/8" Maximum Out to Out Of Cable.....	7,391.35	689.64
14 01	20 71-0089	EA	"Rope Gripper" With Pumping Unit For Use On 6" Maximum Out to Out Of Cable.....	7,391.35	689.64
14 01	20 71-0090	EA	"Rope Gripper" With Pumping Unit For Use On 10" Maximum Out to Out Of Cable.....	10,432.75	689.64
14 01	20 71-0091	EA	"Rope Gripper" With Pumping Unit For Use On 11-1/2" Maximum Out to Out Of Cable.....	11,953.45	689.64
14 01	20 71-0092	EA	60 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Firesafety Interface Relay, Mechanical Interlock.....	3,834.16	175.15
14 01	20 71-0093	EA	100 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Firesafety Interface Relay, Mechanical Interlock.....	4,017.26	210.19
14 01	20 71-0094	EA	200 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Firesafety Interface Relay, Mechanical Interlock.....	5,252.42	245.22
14 01	20 71-0095	EA	Aluminum Handrail Spacers With Set Screw.....	203.99	172.41
14 01	20 71-0096	EA	Bronze Handrail Spacers With Set Screw.....	208.21	172.41
14 01	20 71-0097	LF	1/2" x 2" Round Stainless Steel Elevator Handrail.....	136.65	40.56
14 01	20 71-0098	LF	3/8" x 2" Flat Bar Stainless Steel Elevator Handrail, Brushed Finish.....	131.69	40.56
14 01	20 71-0099	LF	3/8" x 3" Flat Bar Stainless Steel Elevator Handrail, Brushed Finish.....	154.86	40.56
14 01	20 71-0100	LF	3/8" x 2" Flat Bar Stainless Steel Elevator Handrail, Mirror Finish.....	170.56	40.56
14 01	20 71-0101	LF	3/8" x 3" Flat Bar Stainless Steel Elevator Handrail, Mirror Finish.....	193.92	40.56
14 01	20 71-0102	LF	3/8" x 2" Flat Bar Bronze Steel Elevator Handrail, Brushed Finish.....	157.78	40.56
14 01	20 71-0103	LF	3/8" x 3" Flat Bar Bronze Steel Elevator Handrail, Brushed Finish.....	178.40	40.56
14 01	20 71-0104	LF	3/8" x 2" Flat Bar Bronze Steel Elevator Handrail, Mirror Finish.....	273.02	40.56
14 01	20 71-0105	LF	3/8" x 3" Flat Bar Bronze Steel Elevator Handrail, Mirror Finish.....	305.75	40.56
14 01	20 71-0106	LF	3/8" x 1-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish.....	130.90	40.56
14 01	20 71-0107	LF	3/8" x 2" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish.....	132.16	40.56
14 01	20 71-0108	LF	3/8" x 2-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish.....	166.42	40.56
14 01	20 71-0109	LF	3/8" x 1-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish.....	156.32	40.56
14 01	20 71-0110	LF	3/8" x 2" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish.....	167.09	40.56
14 01	20 71-0111	LF	3/8" x 2-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish.....	207.25	40.56
14 01	20 71-0112	LF	3/8" x 1-1/2" Diameter Tubular Bronze Steel Elevator Handrail, Brushed Finish.....	161.43	40.56
14 01	20 71-0113	LF	3/8" x 2" Diameter Tubular Bronze Steel Elevator Handrail, Brushed Finish.....	164.90	40.56
14 01	20 71-0114	LF	3/8" x 2-1/2" Diameter Tubular Bronze Steel Elevator Handrail, Brushed Finish.....	270.56	40.56
14 01	20 71-0115	LF	3/8" x 1-1/2" Diameter Tubular Bronze Steel Elevator Handrail, Mirror Finish.....	180.41	40.56
14 01	20 71-0116	LF	3/8" x 2" Diameter Tubular Bronze Elevator Handrail, Mirror Finish.....	271.23	40.56
14 01	20 71-0117	LF	3/8" x 2-1/2" Diameter Tubular Bronze Elevator Handrail, Mirror Finish.....	305.75	40.56



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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14 01 30 Operation and Maintenance of Escalators and Moving Walks <sup>(14 01 30)</sup>

**14 01 30 71 Escalators and Moving Walks Rehabilitation** <sup>(14 01 30 71)</sup>

14 01 30 71-0001	Maintenance	<sup>(14 01 30 71)</sup>	
14 01 30 71-0002	EA	Regular Escalator Inspection (Sufficient For Issue Of Certificate/Permit)	769.76
14 01 30 71-0003	HR	Escalator Servicing, Labor Only	184.13
14 01 30 71-0004	EA	Acceptance Test Of Escalators And Moving Walks	4,233.69
14 01 30 71-0005	Modernization	<sup>(14 01 30 71)</sup>	
14 01 30 71-0006	EA	Removal And Replacement Of 28" Wide Escalator Stair Tread	1,869.13
14 01 30 71-0007	EA	Removal And Replacement Of 36" Wide Escalator Stair Tread	2,002.21
14 01 30 71-0008	EA	Removal And Replacement Of 48" Wide Escalator Stair Tread	2,099.78
14 01 30 71-0009	EA	Removal And Replacement Of 54" Wide Escalator Stair Tread	2,264.29
14 01 30 71-0010	LF	Removal And Replacement Of Sliding Handrail	175.62

14 20 Elevators <sup>(14)</sup>

Note: Excludes final electrical work or shaft walls.

14 21 Electric Traction Elevators <sup>(14 21)</sup>

**14 21 13 Electric Traction Freight Elevators** <sup>(14 21 13)</sup>

14 21 13 00-0001	Electric Traction Freight Elevators	<sup>(14 21 13)</sup>	
Note: Painted metal shaft doors and steel painted cab. Unit prices based on a shaft of 6 stops (12 feet floor to floor) and 6 openings with power doors.			
14 21 13 00-0002	EA	Electric Traction Freight Elevator, 4,000 LB x 200 FPM	445,717.73
		For Each Opening With Bonderized Steel Door, Add	200.00
		For Each Opening With Stainless Steel Doors, Add	500.00
		For Each Opening With Two Speed Doors, Add	500.00
		For Custom Plastic Laminated Cab Interiors, Add	4,000.00
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00
		For Stainless Steel Cab Interior, Add	8,000.00
		For Elevator With Manual Door, Deduct	-10,000.00
		For Class "C-1" Loading, Add	1,666.00
		For Class "C-2" Loading, Add	2,000.00
		For Class "C-3" Loading, Add	2,736.00
		For Removal Of Existing Stop, Add	8,443.77
		For Each Additional Stop, Add	35,125.54
		For Each Floor < 6 Stops, Deduct	-29,832.04
		For Each Additional 50 FPM, Add	6,000.00
		For Removal Of Existing Elevator, Add	42,218.83
14 21 13 00-0003	EA	Electric Traction Freight Elevator, 5,000 LB x 200 FPM	477,273.78
		For Each Opening With Bonderized Steel Door, Add	200.00
		For Each Opening With Stainless Steel Doors, Add	500.00
		For Each Opening With Two Speed Doors, Add	500.00
		For Custom Plastic Laminated Cab Interiors, Add	4,000.00
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00
		For Stainless Steel Cab Interior, Add	8,000.00
		For Elevator With Manual Door, Deduct	-10,000.00
		For Class "C-1" Loading, Add	1,666.00
		For Class "C-2" Loading, Add	2,000.00
		For Class "C-3" Loading, Add	2,736.00
		For Removal Of Existing Stop, Add	8,443.77
		For Each Additional Stop, Add	35,125.54
		For Each Floor < 6 Stops, Deduct	-29,832.04
		For Each Additional 50 FPM, Add	6,000.00
		For Removal Of Existing Elevator, Add	42,218.83
14 21 13 00-0004	EA	Electric Traction Freight Elevator, 6,000 LB x 200 FPM	508,829.82
		For Elevator With Manual Door, Deduct	-10,000.00
		For Class "C-1" Loading, Add	3,332.00
		For Class "C-2" Loading, Add	4,000.00
		For Class "C-3" Loading, Add	5,544.00
		For Custom Plastic Laminated Cab Interiors, Add	5,000.00
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	7,000.00
		For Stainless Steel Cab Interior, Add	9,000.00
		For Removal Of Existing Stop, Add	8,443.77
		For Each Additional Stop, Add	36,109.42
		For Each Additional 50 FPM, Add	6,000.00
		For Each Opening With Bonderized Steel Door, Add	300.00
		For Each Opening With Stainless Steel Doors, Add	600.00
		For Each Opening With Two Speed Doors, Add	700.00
		For Removal Of Existing Elevator, Add	42,218.83
		For Each Floor < 6 Stops, Deduct	-30,832.04

**14 Conveying Equipment****14 20 Elevators****14 21 Electric Traction Elevators**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

14 21 13 00-0005	EA	Electric Traction Freight Elevator, 7,000 LB x 200 FPM .....	524,928.60	
		<i>For Elevator With Manual Door, Deduct</i>	-10,000.00	
		<i>For Class "C-1" Loading, Add</i>	3,332.00	
		<i>For Class "C-2" Loading, Add</i>	4,000.00	
		<i>For Class "C-3" Loading, Add</i>	5,544.00	
		<i>For Custom Plastic Laminated Cab Interiors, Add</i>	5,000.00	
		<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	7,000.00	
		<i>For Stainless Steel Cab Interior, Add</i>	9,000.00	
		<i>For Removal Of Existing Stop, Add</i>	8,443.77	
		<i>For Each Additional Stop, Add</i>	36,109.42	
		<i>For Each Additional 50 FPM, Add</i>	6,000.00	
		<i>For Each Opening With Bonderized Steel Door, Add</i>	300.00	
		<i>For Each Opening With Stainless Steel Doors, Add</i>	600.00	
		<i>For Each Opening With Two Speed Doors, Add</i>	700.00	
		<i>For Removal Of Existing Elevator, Add</i>	42,218.83	
		<i>For Each Floor &lt; 6 Stops, Deduct</i>	-30,832.04	
14 21 13 00-0006	EA	Electric Traction Freight Elevator, 8,000 LB x 200 FPM .....	541,026.73	
		<i>For Elevator With Manual Door, Deduct</i>	-10,000.00	
		<i>For Each Additional 50 FPM, Add</i>	10,000.00	
		<i>For Class "C-1" Loading, Add</i>	6,666.00	
		<i>For Class "C-2" Loading, Add</i>	8,000.00	
		<i>For Class "C-3" Loading, Add</i>	10,944.00	
		<i>For Removal Of Existing Stop, Add</i>	8,443.77	
		<i>For Each Additional Stop, Add</i>	36,109.42	
		<i>For Each Opening With Bonderized Steel Door, Add</i>	400.00	
		<i>For Each Opening With Stainless Steel Doors, Add</i>	700.00	
		<i>For Each Opening With Two Speed Doors, Add</i>	800.00	
		<i>For Custom Plastic Laminated Cab Interiors, Add</i>	6,000.00	
		<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	8,000.00	
		<i>For Stainless Steel Cab Interior, Add</i>	10,000.00	
		<i>For Removal Of Existing Elevator, Add</i>	42,218.83	
		<i>For Each Floor &lt; 6 Stops, Deduct</i>	-30,832.04	
14 21 13 00-0007	EA	Electric Traction Freight Elevator, 10,000 LB x 200 FPM .....	560,151.56	
		<i>For Elevator With Manual Door, Deduct</i>	-10,000.00	
		<i>For Each Additional 50 FPM, Add</i>	10,000.00	
		<i>For Class "C-1" Loading, Add</i>	6,666.00	
		<i>For Class "C-2" Loading, Add</i>	8,000.00	
		<i>For Class "C-3" Loading, Add</i>	10,944.00	
		<i>For Removal Of Existing Stop, Add</i>	8,443.77	
		<i>For Each Additional Stop, Add</i>	36,109.42	
		<i>For Each Opening With Bonderized Steel Door, Add</i>	400.00	
		<i>For Each Opening With Stainless Steel Doors, Add</i>	700.00	
		<i>For Each Opening With Two Speed Doors, Add</i>	800.00	
		<i>For Custom Plastic Laminated Cab Interiors, Add</i>	6,000.00	
		<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	8,000.00	
		<i>For Stainless Steel Cab Interior, Add</i>	10,000.00	
		<i>For Removal Of Existing Elevator, Add</i>	42,218.83	
		<i>For Each Floor &lt; 6 Stops, Deduct</i>	-30,832.04	
14 21 13 00-0008	EA	Electric Traction Freight Elevator, 12,000 LB x 200 FPM .....	575,626.13	
		<i>For Elevator With Manual Door, Deduct</i>	-10,000.00	
		<i>For Each Additional 50 FPM, Add</i>	10,000.00	
		<i>For Class "C-1" Loading, Add</i>	6,666.00	
		<i>For Class "C-2" Loading, Add</i>	8,000.00	
		<i>For Class "C-3" Loading, Add</i>	10,944.00	
		<i>For Removal Of Existing Stop, Add</i>	8,443.77	
		<i>For Each Additional Stop, Add</i>	36,109.42	
		<i>For Each Opening With Bonderized Steel Door, Add</i>	400.00	
		<i>For Each Opening With Stainless Steel Doors, Add</i>	700.00	
		<i>For Each Opening With Two Speed Doors, Add</i>	800.00	
		<i>For Custom Plastic Laminated Cab Interiors, Add</i>	6,000.00	
		<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	8,000.00	
		<i>For Stainless Steel Cab Interior, Add</i>	10,000.00	
		<i>For Removal Of Existing Elevator, Add</i>	42,218.83	
		<i>For Each Floor &lt; 6 Stops, Deduct</i>	-30,832.04	

**14 21 23 Electric Traction Passenger Elevators (14 21)****14 21 23 13 Machine Room Electric Traction Passenger Elevators (14 21 23)****14 21 23 13-0001 Electric Traction Passenger Elevators (14 21 23 13)**

Note: Baked enamel shaft doors and plastic laminate trimmed cab, allowance of \$7,500. Unit prices based on a shaft of 6 stops (12 feet floor to floor) and 6 openings.

14 21 23 13-0002	EA	Electric Traction Passenger Elevator, 2,000 LB x 200 FPM .....	353,377.22	
		<i>For Each Opening With Bonderized Steel Door, Add</i>	200.00	
		<i>For Each Opening With Stainless Steel Doors, Add</i>	500.00	
		<i>For Custom Plastic Laminated Cab Interiors, Add</i>	4,000.00	
		<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	6,000.00	
		<i>For Stainless Steel Cab Interior, Add</i>	8,000.00	
		<i>For Each Additional 50 FPM, Add</i>	1,000.00	
		<i>For Removal Of Existing Stop, Add</i>	4,225.11	
		<i>For Each Additional Stop, Add</i>	35,125.54	
		<i>For Each Floor &lt; 6 Stops, Deduct</i>	-20,562.75	
		<i>For Removal Of Existing Elevator, Add</i>	31,688.31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 21 23 13-0003 EA Electric Traction Passenger Elevator, 2,500 LB x 200 FPM .....	362,597.24	
For Each Opening With Bonderized Steel Door, Add	200.00	
For Each Opening With Stainless Steel Doors, Add	500.00	
For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
For Stainless Steel Cab Interior, Add	8,000.00	
For Each Additional 50 FPM, Add	1,000.00	
For Removal Of Existing Stop, Add	4,225.11	
For Each Additional Stop, Add	35,125.54	
For Each Floor < 6 Stops, Deduct	-20,562.75	
For Removal Of Existing Elevator, Add	31,688.31	
14 21 23 13-0004 EA Electric Traction Passenger Elevator, 3,000 LB x 200 FPM .....	370,132.67	
For Each Opening With Bonderized Steel Door, Add	200.00	
For Each Opening With Stainless Steel Doors, Add	500.00	
For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
For Stainless Steel Cab Interior, Add	8,000.00	
For Each Additional 50 FPM, Add	1,000.00	
For Removal Of Existing Stop, Add	4,225.11	
For Each Additional Stop, Add	35,125.54	
For Each Floor < 6 Stops, Deduct	-20,562.75	
For Removal Of Existing Elevator, Add	31,688.31	
14 21 23 13-0005 EA Electric Traction Passenger Elevator, 3,500 LB x 200 FPM .....	372,319.44	
For Each Opening With Bonderized Steel Door, Add	200.00	
For Each Opening With Stainless Steel Doors, Add	500.00	
For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
For Stainless Steel Cab Interior, Add	8,000.00	
For Each Additional 50 FPM, Add	1,000.00	
For Removal Of Existing Stop, Add	4,225.11	
For Each Additional Stop, Add	35,125.54	
For Each Floor < 6 Stops, Deduct	-20,562.75	
For Removal Of Existing Elevator, Add	31,688.31	
14 21 23 13-0006 EA Electric Traction Passenger Elevator, 4,000 LB x 200 FPM .....	379,242.10	
For Each Opening With Bonderized Steel Door, Add	200.00	
For Each Opening With Stainless Steel Doors, Add	500.00	
For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
For Stainless Steel Cab Interior, Add	8,000.00	
For Each Additional 50 FPM, Add	1,000.00	
For Removal Of Existing Stop, Add	4,225.11	
For Each Additional Stop, Add	35,125.54	
For Each Floor < 6 Stops, Deduct	-20,562.75	
For Removal Of Existing Elevator, Add	31,688.31	
14 21 23 13-0007 EA Electric Traction Passenger Elevator, 4,500 LB x 200 FPM .....	385,951.54	
For Each Opening With Bonderized Steel Door, Add	200.00	
For Each Opening With Stainless Steel Doors, Add	500.00	
For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
For Stainless Steel Cab Interior, Add	8,000.00	
For Each Additional 50 FPM, Add	1,000.00	
For Removal Of Existing Stop, Add	4,225.11	
For Each Additional Stop, Add	35,125.54	
For Each Floor < 6 Stops, Deduct	-20,562.75	
For Removal Of Existing Elevator, Add	31,688.31	
14 21 23 13-0008 EA Electric Traction Passenger Elevator, 5,000 LB x 200 FPM .....	392,890.45	
For Each Opening With Bonderized Steel Door, Add	200.00	
For Each Opening With Stainless Steel Doors, Add	500.00	
For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
For Stainless Steel Cab Interior, Add	8,000.00	
For Each Additional 50 FPM, Add	1,000.00	
For Removal Of Existing Stop, Add	4,225.11	
For Each Additional Stop, Add	35,125.54	
For Each Floor < 6 Stops, Deduct	-20,562.75	
For Removal Of Existing Elevator, Add	31,688.31	

## 14 24 Hydraulic Elevators (14 20)

Note: Prices are for a complete operating elevator including all standard controls, hydraulic motor and devices based on unit with cab sized 5' by 8' with galvanized primed shaft door with cab allowances as listed below.

### 14 24 13 Hydraulic Freight Elevators (14 24)

#### 14 24 13 00-0001 Hydraulic Freight Elevators (14 24 13)

Note: Painted metal shaft doors and steel painted cab. Unit prices based on a shaft of 3 stops (15 feet floor to floor) and 3 openings with power doors.

**14 Conveying Equipment**

**14 20 Elevators**

**14 24 Hydraulic Elevators**



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

14 24 13 00-0002	EA	Hydraulic Freight Elevator, 3,000 LB x 50 FPM .....	197,035.73	
		For Each Additional Stop, Add	20,337.42	
		For 2 Stops, Deduct	-15,696.81	
		Note: Would be holeless hydraulic at 2 stops.		
		For Each Opening With Bonderized Steel Door, Add	200.00	
		For Each Opening With Stainless Steel Doors, Add	500.00	
		For Each Opening With Two Speed Doors, Add	500.00	
		For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
		For Stainless Steel Cab Interior, Add	8,000.00	
		For Each Additional 50 FPM, Add	2,000.00	
		For Elevator With Manual Door, Deduct	-10,000.00	
		For Class "C-1" Loading, Add	1,666.00	
		For Class "C-2" Loading, Add	2,000.00	
		For Class "C-3" Loading, Add	2,736.00	
		For Well Hole Drilling (12" Diameter Hole), Add	170.00	
		Note: Includes Labor and Equipment.		
		For 12" Steel Liner, Add	90.00	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	8,443.77	
14 24 13 00-0003	EA	Hydraulic Freight Elevator, 3,500 LB x 50 FPM .....	203,359.27	
		For Each Additional Stop, Add	20,337.42	
		For 2 Stops, Deduct	-15,696.81	
		Note: Would be holeless hydraulic at 2 stops.		
		For Each Opening With Bonderized Steel Door, Add	200.00	
		For Each Opening With Stainless Steel Doors, Add	500.00	
		For Each Opening With Two Speed Doors, Add	500.00	
		For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
		For Stainless Steel Cab Interior, Add	8,000.00	
		For Each Additional 50 FPM, Add	2,000.00	
		For Elevator With Manual Door, Deduct	-10,000.00	
		For Class "C-1" Loading, Add	1,666.00	
		For Class "C-2" Loading, Add	2,000.00	
		For Class "C-3" Loading, Add	2,736.00	
		For Well Hole Drilling (12" Diameter Hole), Add	170.00	
		Note: Includes Labor and Equipment.		
		For 12" Steel Liner, Add	90.00	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	8,443.77	
14 24 13 00-0004	EA	Hydraulic Freight Elevator, 4,000 LB x 50 FPM .....	210,211.42	
		For Each Additional Stop, Add	20,337.42	
		For 2 Stops, Deduct	-15,696.81	
		Note: Would be holeless hydraulic at 2 stops.		
		For Each Opening With Bonderized Steel Door, Add	200.00	
		For Each Opening With Stainless Steel Doors, Add	500.00	
		For Each Opening With Two Speed Doors, Add	500.00	
		For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
		For Stainless Steel Cab Interior, Add	8,000.00	
		For Each Additional 50 FPM, Add	2,000.00	
		For Elevator With Manual Door, Deduct	-10,000.00	
		For Class "C-1" Loading, Add	1,666.00	
		For Class "C-2" Loading, Add	2,000.00	
		For Class "C-3" Loading, Add	2,736.00	
		For Well Hole Drilling (12" Diameter Hole), Add	170.00	
		Note: Includes Labor and Equipment.		
		For 12" Steel Liner, Add	90.00	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	8,443.77	
14 24 13 00-0005	EA	Hydraulic Freight Elevator, 5,000 LB x 50 FPM .....	215,287.42	
		For Each Opening With Bonderized Steel Door, Add	200.00	
		For Each Opening With Stainless Steel Doors, Add	500.00	
		For Each Opening With Two Speed Doors, Add	500.00	
		For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
		For Stainless Steel Cab Interior, Add	8,000.00	
		For Each Additional 50 FPM, Add	2,000.00	
		For Elevator With Manual Door, Deduct	-10,000.00	
		For Each Additional Stop, Add	21,337.42	
		For 2 Stops, Deduct	-16,696.81	
		Note: Would be holeless hydraulic at 2 stops.		
		For Class "C-1" Loading, Add	3,332.00	
		For Class "C-2" Loading, Add	4,000.00	
		For Class "C-3" Loading, Add	5,544.00	
		For Well Hole Drilling (12" Diameter Hole), Add	170.00	
		Note: Includes Labor and Equipment.		
		For 12" Steel Liner, Add	90.00	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	8,443.77	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24	13 00-0006	EA	Hydraulic Freight Elevator, 6,000 LB x 50 FPM .....	227,553.92	
			For Each Opening With Bonderized Steel Door, Add	200.00	
			For Each Opening With Stainless Steel Doors, Add	500.00	
			For Each Opening With Two Speed Doors, Add	500.00	
			For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
			For Stainless Steel Cab Interior, Add	8,000.00	
			For Elevator With Manual Door, Deduct	-10,000.00	
			For Each Additional Stop, Add	21,337.42	
			For 2 Stops, Deduct	-16,696.81	
			Note: Would be holeless hydraulic at 2 stops.		
			For Each Additional 50 FPM, Add	10,000.00	
			For Class "C-1" Loading, Add	6,666.00	
			For Class "C-2" Loading, Add	8,000.00	
			For Class "C-3" Loading, Add	10,944.00	
			For Well Hole Drilling (12" Diameter Hole), Add	170.00	
			Note: Includes Labor and Equipment.		
			For 12" Steel Liner, Add	90.00	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Removal Of Existing Stop, Add	8,443.77	
14 24	13 00-0007	EA	Hydraulic Freight Elevator, 7,000 LB x 50 FPM .....	233,433.33	
			For Each Opening With Bonderized Steel Door, Add	200.00	
			For Each Opening With Stainless Steel Doors, Add	500.00	
			For Each Opening With Two Speed Doors, Add	500.00	
			For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
			For Stainless Steel Cab Interior, Add	8,000.00	
			For Elevator With Manual Door, Deduct	-10,000.00	
			For Each Additional Stop, Add	21,337.42	
			For 2 Stops, Deduct	-16,696.81	
			Note: Would be holeless hydraulic at 2 stops.		
			For Each Additional 50 FPM, Add	10,000.00	
			For Class "C-1" Loading, Add	6,666.00	
			For Class "C-2" Loading, Add	8,000.00	
			For Class "C-3" Loading, Add	10,944.00	
			For Well Hole Drilling (12" Diameter Hole), Add	170.00	
			Note: Includes Labor and Equipment.		
			For 12" Steel Liner, Add	90.00	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Removal Of Existing Stop, Add	8,443.77	
14 24	13 00-0008	EA	Hydraulic Freight Elevator, 8,000 LB x 50 FPM .....	242,358.44	
			For Each Opening With Bonderized Steel Door, Add	200.00	
			For Each Opening With Stainless Steel Doors, Add	500.00	
			For Each Opening With Two Speed Doors, Add	500.00	
			For Elevator With Manual Door, Deduct	-10,000.00	
			For Each Additional Stop, Add	21,337.42	
			For 2 Stops, Deduct	-16,696.81	
			Note: Would be holeless hydraulic at 2 stops.		
			For Custom Plastic Laminated Cab Interiors, Add	5,000.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	7,000.00	
			For Stainless Steel Cab Interior, Add	9,000.00	
			For Each Additional 50 FPM, Add	11,000.00	
			For Class "C-1" Loading, Add	8,330.00	
			For Class "C-2" Loading, Add	10,000.00	
			For Class "C-3" Loading, Add	13,680.00	
			For Well Hole Drilling (12" Diameter Hole), Add	170.00	
			Note: Includes Labor and Equipment.		
			For 12" Steel Liner, Add	90.00	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Removal Of Existing Stop, Add	8,443.77	
14 24	13 00-0009	EA	Hydraulic Freight Elevator, 10,000 LB x 50 FPM .....	248,754.88	
			For Each Opening With Bonderized Steel Door, Add	200.00	
			For Each Opening With Stainless Steel Doors, Add	500.00	
			For Each Opening With Two Speed Doors, Add	500.00	
			For Elevator With Manual Door, Deduct	-10,000.00	
			For Each Additional Stop, Add	21,337.42	
			For 2 Stops, Deduct	-16,696.81	
			Note: Would be holeless hydraulic at 2 stops.		
			For Custom Plastic Laminated Cab Interiors, Add	5,000.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	7,000.00	
			For Stainless Steel Cab Interior, Add	9,000.00	
			For Well Hole Drilling (12" Diameter Hole), Add	170.00	
			Note: Includes Labor and Equipment.		
			For 12" Steel Liner, Add	90.00	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Removal Of Existing Stop, Add	8,443.77	
			For Each Additional 50 FPM, Add	12,000.00	
			For Class "C-1" Loading, Add	11,079.00	
			For Class "C-2" Loading, Add	13,300.00	
			For Class "C-3" Loading, Add	18,194.00	

**14 Conveying Equipment****14 20 Elevators****14 24 Hydraulic Elevators**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

14 24 13 00-0010	EA	Hydraulic Freight Elevator, 12,000 LB x 50 FPM .....	259,801.09	
		<i>For Each Opening With Bonderized Steel Door, Add</i>	200.00	
		<i>For Each Opening With Stainless Steel Doors, Add</i>	500.00	
		<i>For Each Opening With Two Speed Doors, Add</i>	500.00	
		<i>For Elevator With Manual Door, Deduct</i>	-10,000.00	
		<i>For Each Additional Stop, Add</i>	21,337.42	
		<i>For 2 Stops, Deduct</i>	-16,696.81	
		<i>Note: Would be holeless hydraulic at 2 stops.</i>		
		<i>For Custom Plastic Laminated Cab Interiors, Add</i>	5,000.00	
		<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	7,000.00	
		<i>For Stainless Steel Cab Interior, Add</i>	9,000.00	
		<i>For Well Hole Drilling (12" Diameter Hole), Add</i>	170.00	
		<i>Note: Includes Labor and Equipment.</i>		
		<i>For 12" Steel Liner, Add</i>	90.00	
		<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
		<i>For Removal Of Existing Stop, Add</i>	8,443.77	
		<i>For Each Additional 50 FPM, Add</i>	12,000.00	
		<i>For Class "C-1" Loading, Add</i>	11,079.00	
		<i>For Class "C-2" Loading, Add</i>	13,300.00	
		<i>For Class "C-3" Loading, Add</i>	18,194.00	

**14 24 13 00-0011 Hydraulic Elevators Piston Drilling (14 24 13)**

14 24 13 00-0012	VLF	Up To 6" Diameter Piston Drilling .....	86.33	
		<i>Note: Includes casing.</i>		
14 24 13 00-0013	VLF	8" To 10" Diameter Piston Drilling .....	102.83	
		<i>Note: Includes casing.</i>		

**14 24 23 Hydraulic Passenger Elevators (14 24)****14 24 23 00-0001 Hydraulic Passenger Elevators (14 24 23)**

*Note: Baked enamel shaft doors and plastic laminate trimmed cab, allowance of \$7,500. Unit prices based on a shaft of 3 stops (15 feet floor to floor) and 3 openings.*

14 24 23 00-0002	EA	Hydraulic Passenger Elevator, 2,100 LB x 100 FPM .....	138,734.21	
		<i>For Each Additional Stop, Add</i>	20,337.42	
		<i>For Each Opening With Bonderized Steel Door, Add</i>	200.00	
		<i>For Each Opening With Stainless Steel Doors, Add</i>	500.00	
		<i>For Custom Plastic Laminated Cab Interiors, Add</i>	4,000.00	
		<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	6,000.00	
		<i>For Stainless Steel Cab Interior, Add</i>	8,000.00	
		<i>For Well Hole Drilling (12" Diameter Hole), Add</i>	170.00	
		<i>Note: Includes Labor and Equipment.</i>		
		<i>For 12" Steel Liner, Add</i>	90.00	
		<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
		<i>For Each Additional 50 FPM, Add</i>	1,000.00	
		<i>For Removal Of Existing Elevator, Add</i>	21,089.39	
		<i>For Removal Of Existing Stop, Add</i>	4,225.11	
		<i>For 2 Stops, Deduct</i>	-10,000.00	
		<i>Note: Would be holeless hydraulic at 2 stops.</i>		
14 24 23 00-0003	EA	Hydraulic Passenger Elevator, 2,500 LB x 100 FPM .....	141,272.21	
		<i>For Each Additional Stop, Add</i>	20,337.42	
		<i>For Each Opening With Bonderized Steel Door, Add</i>	200.00	
		<i>For Each Opening With Stainless Steel Doors, Add</i>	500.00	
		<i>For Custom Plastic Laminated Cab Interiors, Add</i>	4,000.00	
		<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	6,000.00	
		<i>For Stainless Steel Cab Interior, Add</i>	8,000.00	
		<i>For Well Hole Drilling (12" Diameter Hole), Add</i>	170.00	
		<i>Note: Includes Labor and Equipment.</i>		
		<i>For 12" Steel Liner, Add</i>	90.00	
		<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
		<i>For Each Additional 50 FPM, Add</i>	1,000.00	
		<i>For Removal Of Existing Elevator, Add</i>	21,089.39	
		<i>For Removal Of Existing Stop, Add</i>	4,225.11	
		<i>For 2 Stops, Deduct</i>	-10,000.00	
		<i>Note: Would be holeless hydraulic at 2 stops.</i>		
14 24 23 00-0004	EA	Hydraulic Passenger Elevator, 3,000 LB x 100 FPM .....	143,017.09	
		<i>For Each Additional Stop, Add</i>	20,337.42	
		<i>For Each Opening With Bonderized Steel Door, Add</i>	200.00	
		<i>For Each Opening With Stainless Steel Doors, Add</i>	500.00	
		<i>For Custom Plastic Laminated Cab Interiors, Add</i>	4,000.00	
		<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	6,000.00	
		<i>For Stainless Steel Cab Interior, Add</i>	8,000.00	
		<i>For Well Hole Drilling (12" Diameter Hole), Add</i>	170.00	
		<i>Note: Includes Labor and Equipment.</i>		
		<i>For 12" Steel Liner, Add</i>	90.00	
		<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
		<i>For Each Additional 50 FPM, Add</i>	1,000.00	
		<i>For Removal Of Existing Elevator, Add</i>	21,089.39	
		<i>For Removal Of Existing Stop, Add</i>	4,225.11	
		<i>For 2 Stops, Deduct</i>	-10,000.00	
		<i>Note: Would be holeless hydraulic at 2 stops.</i>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 23 00-0005	EA		Hydraulic Passenger Elevator, 3,500 LB x 100 FPM.....	149,731.71	
			For Each Additional Stop, Add	20,337.42	
			For Each Opening With Bonderized Steel Door, Add	200.00	
			For Each Opening With Stainless Steel Doors, Add	500.00	
			For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
			For Stainless Steel Cab Interior, Add	8,000.00	
			For Well Hole Drilling (12" Diameter Hole), Add	170.00	
			Note: Includes Labor and Equipment.		
			For 12" Steel Liner, Add	90.00	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Each Additional 50 FPM, Add	1,000.00	
			For Removal Of Existing Elevator, Add	21,089.39	
			For Removal Of Existing Stop, Add	4,225.11	
			For 2 Stops, Deduct	-10,000.00	
14 24 23 00-0006	EA		Hydraulic Passenger Elevator, 4,000 LB x 100 FPM.....	152,491.63	
			For Each Additional Stop, Add	20,337.42	
			For Each Opening With Bonderized Steel Door, Add	200.00	
			For Each Opening With Stainless Steel Doors, Add	500.00	
			For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
			For Stainless Steel Cab Interior, Add	8,000.00	
			For Well Hole Drilling (12" Diameter Hole), Add	170.00	
			Note: Includes Labor and Equipment.		
			For 12" Steel Liner, Add	90.00	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Each Additional 50 FPM, Add	1,000.00	
			For Removal Of Existing Elevator, Add	21,089.39	
			For Removal Of Existing Stop, Add	4,225.11	
			For 2 Stops, Deduct	-10,000.00	
			Note: Would be holeless hydraulic at 2 stops.		
14 24 23 00-0007	EA		Hydraulic Passenger Elevator, 4,500 LB x 100 FPM.....	156,203.46	
			For Each Additional Stop, Add	20,337.42	
			For Each Opening With Bonderized Steel Door, Add	200.00	
			For Each Opening With Stainless Steel Doors, Add	500.00	
			For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
			For Stainless Steel Cab Interior, Add	8,000.00	
			For Well Hole Drilling (12" Diameter Hole), Add	170.00	
			Note: Includes Labor and Equipment.		
			For 12" Steel Liner, Add	90.00	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Each Additional 50 FPM, Add	1,000.00	
			For Removal Of Existing Elevator, Add	21,089.39	
			For Removal Of Existing Stop, Add	4,225.11	
			For 2 Stops, Deduct	-10,000.00	
			Note: Would be holeless hydraulic at 2 stops.		
14 24 23 00-0008	EA		Hydraulic Passenger Elevator, 5,000 LB x 100 FPM.....	159,988.86	
			For Each Additional Stop, Add	20,337.42	
			For Each Opening With Bonderized Steel Door, Add	200.00	
			For Each Opening With Stainless Steel Doors, Add	500.00	
			For Each Opening With Two Speed Doors, Add	500.00	
			For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
			For Stainless Steel Cab Interior, Add	8,000.00	
			For Well Hole Drilling (12" Diameter Hole), Add	170.00	
			Note: Includes Labor and Equipment.		
			For 12" Steel Liner, Add	90.00	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Each Additional 50 FPM, Add	1,000.00	
			For Removal Of Existing Elevator, Add	21,089.39	
			For Removal Of Existing Stop, Add	4,225.11	
			For 2 Stops, Deduct	-10,000.00	
			Note: Would be holeless hydraulic at 2 stops.		
14 24 23 00-0009			Twin Jack Holeless Hydraulic Passenger Elevator <sup>(142423)</sup>		
			Note: Baked enamel shaft doors and plastic laminated trimmed cab. Excludes flooring, shaft construction/alterations, pit or mechanical room construction. Connect to established utilities.		
14 24 23 00-0010	EA		Hydraulic Passenger Elevator, 2,000 LB, 80 FPM, 3 Stops, 3 Openings .....	78,669.70	9,635.96
14 24 23 00-0011	EA		Hydraulic Passenger Elevator, 2,000 LB, 80 FPM, 2 Stops, 2 Openings .....	59,660.85	8,232.93
14 26			Limited-Use/Limited-Application Elevators <sup>(14 20)</sup>		
14 26 00 00-0001			Small Elevators (LULA) <sup>(14 26)</sup>		
14 26 00 00-0002	EA		Small Elevators (LULA), 1,400 LB x 30 FPM.....	79,127.25	
			Note: 3 phase, automatic operation, includes cab interior, telephone box and telephone. 2 stops and 12 feet of rise.		
			For Each Additional Stop, Add	17,332.82	
			For Removal Of Existing Elevator, Add	6,332.82	
14 30			Escalators and Moving Walks <sup>(14)</sup>		
14 31			Escalators <sup>(14 30)</sup>		
14 31 00 00-0001			Stainless Steel Escalator Construction <sup>(14 31)</sup>		
			Note: Prices are medians and are based on each moving stairway. Complete, includes all standard accessories		

**14 Conveying Equipment**  
**14 30 Escalators and Moving Walks**  
**14 31 Escalators**

MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

		and single microprocessor controlled electronic display sign packages, LED.		
14 31 00 00-0002	EA	Escalators Stainless Steel, 32" Wide x 12' Floor To Floor Height.....	139,403.58	12,578.08
14 31 00 00-0003	EA	Escalators Stainless Steel, 32" Wide x 15' Floor To Floor Height.....	154,594.21	14,865.00
14 31 00 00-0004	EA	Escalators Stainless Steel, 32" Wide x 18' Floor To Floor Height.....	168,398.25	17,151.93
14 31 00 00-0005	EA	Escalators Stainless Steel, 32" Wide x 22' Floor To Floor Height.....	186,307.95	20,582.31
14 31 00 00-0006	EA	Escalators Stainless Steel, 32" Wide x 25' Floor To Floor Height.....	205,676.16	22,869.23
14 31 00 00-0007	EA	Escalators Stainless Steel, 36" Wide x 12' Floor To Floor Height.....	147,392.07	13,378.50
14 31 00 00-0008	EA	Escalators Stainless Steel, 36" Wide x 15' Floor To Floor Height.....	163,773.48	16,008.47
14 31 00 00-0009	EA	Escalators Stainless Steel, 36" Wide x 18' Floor To Floor Height.....	177,569.63	18,295.39
14 31 00 00-0010	EA	Escalators Stainless Steel, 36" Wide x 22' Floor To Floor Height.....	200,311.76	22,983.58
14 31 00 00-0011	EA	Escalators Stainless Steel, 36" Wide x 25' Floor To Floor Height.....	215,756.58	24,698.78
14 31 00 00-0012	EA	Escalators Stainless Steel, 48" Wide x 12' Floor To Floor Height.....	155,759.74	14,178.93
14 31 00 00-0013	EA	Escalators Stainless Steel, 48" Wide x 15' Floor To Floor Height.....	173,620.04	17,151.93
14 31 00 00-0014	EA	Escalators Stainless Steel, 48" Wide x 18' Floor To Floor Height.....	187,102.36	19,438.85
14 31 00 00-0015	EA	Escalators Stainless Steel, 48" Wide x 22' Floor To Floor Height.....	215,301.90	24,241.39
14 31 00 00-0016	EA	Escalators Stainless Steel, 48" Wide x 25' Floor To Floor Height.....	228,480.98	26,528.32
14 31 00 00-0017	EA	Escalator Fire Shutter Fusible Link.....	20,406.11	457.38

14 40 Lifts <sup>(14)</sup>

14 42 Wheelchair Lifts <sup>(14 40)</sup>

**14 42 13 Inclined Wheelchair Lifts <sup>(14 42)</sup>**

**14 42 13 00-0001 Chair Lift-Stair Climber <sup>(14 42 13)</sup>**

Note: Includes landing, rails, lifting device and gates.

14 42 13 00-0002	EA	Chair Lift, Stair Climber Per Story, Single Passenger, Indoor, 300 LB Capacity.....	6,590.51	1,026.35
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Note: Includes top and bottom call button, safety chair, track, and power unit.

**14 42 16 Vertical Wheelchair Lifts <sup>(14 42)</sup>**

**14 42 16 00-0001 Wheelchair Lift (Shorty) <sup>(14 42 16)</sup>**

14 42 16 00-0002	EA	36" Vertical Travel Wheelchair Platform Scissor Lift.....	8,924.04	718.45
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Note: 1000 LB capacity. Includes handrails and manual ramp.

For Accordion Safety Skirt, Add 998.00  
 For Removable Handrails, Add 100.00  
 For Power Operated Ramp, Add 885.00

14 42 16 00-0003	EA	42" Vertical Travel Wheelchair Platform Scissor Lift.....	10,976.23	898.05
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Note: 1000 LB capacity. Includes handrails and manual ramp.

For 2,000 LB Capacity, Add 600.00  
 For 3,000 LB Capacity, Add 1,000.00  
 For 4,000 LB Capacity, Add 1,500.00  
 For Accordion Safety Skirt, Add 998.00  
 For Removable Handrails, Add 100.00  
 For Power Operated Ramp, Add 885.00

14 42 16 00-0004	EA	70" Vertical Travel Wheelchair Platform Scissor Lift.....	13,087.05	1,167.47
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Note: 1000 LB capacity. Includes handrails and manual ramp.

For 2,000 LB Capacity, Add 600.00  
 For 3,000 LB Capacity, Add 1,000.00  
 For 4,000 LB Capacity, Add 1,500.00  
 For Accordion Safety Skirt, Add 998.00  
 For Removable Handrails, Add 100.00  
 For Power Operated Ramp, Add 885.00

14 42 16 00-0005	EA	84" Vertical Travel Wheelchair Platform Scissor Lift.....	14,705.01	1,347.08
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Note: 1000 LB capacity. Includes handrails and manual ramp.

For 2,000 LB Capacity, Add 600.00  
 For 3,000 LB Capacity, Add 1,000.00  
 For 4,000 LB Capacity, Add 1,500.00  
 For Accordion Safety Skirt, Add 998.00  
 For Removable Handrails, Add 100.00  
 For Power Operated Ramp, Add 885.00

14 42 16 00-0006	EA	18" Travel Wheelchair Incline Lift.....	15,203.76	641.47
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Note: 500 LB capacity, interior installation.

14 90 Other Conveying Equipment <sup>(14)</sup>

14 91 Facility Chutes <sup>(14 90)</sup>

**14 91 82 Trash Chutes <sup>(14 91)</sup>**

**14 91 82 00-0001 Trash Chutes <sup>(14 91 82)</sup>**

14 91 82 00-0002	LF	18" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports.....	30.94	4.27
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For Aluminum, Add 2.28

For Stainless Steel, Add 7.98

14 91 82 00-0003	LF	24" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports.....	39.71	4.27
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For Aluminum, Add 3.08

For Stainless Steel, Add 10.79

14 91 82 00-0004	LF	30" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports.....	43.78	5.34
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For Aluminum, Add 3.42

For Stainless Steel, Add 11.96

14 91 82 00-0005	LF	36" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports.....	66.71	5.34
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For Aluminum, Add 5.63

For Stainless Steel, Add 19.71



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 91 82 00-0006	EA		Trash Chutes, Hopper .....	630.86	29.89
			For Aluminum, Add	57.07	
			For Stainless Steel, Add	199.75	
14 91 82 00-0007	EA		Trash Chutes, Skylight.....	316.19	58.71
			For Aluminum, Add	19.85	
			For Stainless Steel, Add	69.48	
14 91 82 00-0008	EA		Trash Chutes, Sprinkler Unit At Top .....	222.20	64.05
			For Aluminum, Add	8.69	
			For Stainless Steel, Add	30.40	
14 91 82 00-0009	EA		Trash Chutes, Sprinkler Unit At Intake Hopper.....	60.01	22.41
			For Aluminum, Add	1.49	
			For Stainless Steel, Add	5.21	
14 91 82 00-0010	EA		Refuse Type Bottom Storage Hopper Unit .....	536.42	80.06
			For Aluminum, Add	36.72	
			For Stainless Steel, Add	128.53	
14 91 82 00-0011	EA		Hopper Doors .....	1,221.78	63.35

**14 92 Pneumatic Tube Systems** (14 90)
**14 92 00 00-0001 Pneumatic Tube Station; Swisslog** (14 92)

14 92 00 00-0002	LF		4" Pneumatic Tube .....	72.11	20.94
14 92 00 00-0003	LF		6" Pneumatic Tube .....	90.47	26.18
14 92 00 00-0004	EA		4" 90 Degree Bend .....	331.56	45.81
14 92 00 00-0005	EA		6" 90 Degree Bend .....	458.98	52.36
14 92 00 00-0006	EA		4" PRV Bend.....	404.75	68.72
14 92 00 00-0007	EA		6" PRV Bend.....	562.87	78.55
14 92 00 00-0008	EA		Vacuum Bypass Valve.....	2,345.66	327.25
14 92 00 00-0009	EA		Blower Assembly For 4" Tube .....	21,546.31	654.50
14 92 00 00-0010	EA		Blower Assembly For 6" Tube .....	26,142.32	785.40
14 92 00 00-0011	EA		Recessed Receiving Station For 4" Tube.....	13,978.39	981.75
14 92 00 00-0012	EA		Recessed Receiving Station For 6" Tube.....	15,871.66	1,178.11
14 92 00 00-0013	EA		Wall Mount Receiving Station For 4" Tube .....	12,265.20	654.50
14 92 00 00-0014	EA		Wall Mount Receiving Station For 6" Tube .....	13,560.13	785.40
14 92 00 00-0015	EA		2 Out Transfer Unit For 4" Tube.....	9,488.40	719.95
14 92 00 00-0016	EA		2 Out Transfer Unit For 6" Tube.....	10,181.76	785.40
14 92 00 00-0017	EA		4 Out Transfer Unit For 4" Tube.....	11,343.97	981.75
14 92 00 00-0018	EA		4 Out Transfer Unit For 6" Tube.....	11,900.45	1,047.21
14 92 00 00-0019	EA		6 Out Transfer Unit For 4" Tube.....	13,889.66	1,309.01
14 92 00 00-0020	EA		6 Out Transfer Unit For 6" Tube.....	14,632.94	1,374.46
14 92 00 00-0021	EA		T.E.U. Assembly For 4" Tube .....	3,846.81	163.62
14 92 00 00-0022	EA		T.E.U. Assembly For 6" Tube .....	4,388.79	261.80
14 92 00 00-0023	EA		Security Door.....	1,436.84	
14 92 00 00-0024	EA		SB-101 Control Panel .....	3,814.46	392.71
14 92 00 00-0025	LF		Pneumatic Tube Hanging Material.....	12.75	2.62

**END OF SECTION 14**

**14 Conveying Equipment**

14 90 Other Conveying Equipment

14 92 Pneumatic Tube Systems



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 21 Fire Suppression

### 21 01 Operation and Maintenance of Fire Suppression <sup>(21)</sup>

#### 21 01 10 Operation and Maintenance of Water-Based Fire-Suppression Systems <sup>(21 01)</sup>

See CSI section 23 01 20 00-0000 for purging of pipes and shutdown.

#### **21 01 10 91 Water-Based Fire-Suppression Systems Restoration** <sup>(21 01 10)</sup>

<b>21 01 10 91-0001</b>		<b>Relocate Sprinkler Head And Branch Piping</b> <sup>(21 01 10 91)</sup>		
21 01 10 91-0002	EA	Relocate Existing Sprinkler Head And Branch Piping, 1 Head Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.	421.44	
21 01 10 91-0003	EA	Relocate Existing Sprinkler Head And Branch Piping, 2 To 4 Heads Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.	252.87	
21 01 10 91-0004	EA	Relocate Existing Sprinkler Head And Branch Piping, >4 To 10 Heads Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.	101.15	
21 01 10 91-0005	EA	Relocate Existing Sprinkler Head And Branch Piping, >10 Heads Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.	50.57	
<b>21 01 10 91-0006</b>		<b>Sprinkler Upgrades</b> <sup>(21 01 10 91)</sup>		
21 01 10 91-0007	LF	Purging Existing Lines Of Water (For Sprinkler Upgrades) Note: Includes system water main risers and branch piping to a valve.	0.54	
21 01 10 91-0008	LF	Refill Existing Lines With Water (For Sprinkler Upgrades) Note: Includes system water main risers and branch piping.	0.66	

#### 21 01 30 Operation and Maintenance of Fire-Suppression Equipment <sup>(21 01)</sup>

#### **21 01 30 91 Fire-Suppression Equipment Restoration** <sup>(21 01 30)</sup>

<b>21 01 30 91-0001</b>		<b>Inspection And Recharge</b> <sup>(21 01 30 91)</sup>		
21 01 30 91-0002	EA	Inspection, CO2, Carbon Dioxide	181.22	
21 01 30 91-0003	LB	Refill/Recharge, CO2, Carbon Dioxide	2.35	
21 01 30 91-0004	EA	Inspection, Halon 1301	181.22	
21 01 30 91-0005	LB	Refill/Recharge, Halon 1301	56.39	
21 01 30 91-0006	EA	Inspection, WC, Wet Chemical	109.58	
21 01 30 91-0007	GAL	Refill/Recharge, WC, Wet Chemical	52.87	
21 01 30 91-0008	EA	Inspection, DC, Dry Chemical	109.58	
21 01 30 91-0009	LB	Refill/Recharge, DC, Dry Chemical	4.70	
21 01 30 91-0010	EA	Hydrostatic Testing, All Sizes, All Agents See CSI section 23 05 93 00-0046 for testing existing piping systems.	33.72	
21 01 30 91-0011	EA	Disarm/Arm System	59.01	

### 21 05 Common Work Results for Fire Suppression <sup>(21)</sup>

#### 21 05 13 Common Motor Requirements for Fire-Suppression Equipment

<sup>(21 05)</sup>  
Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. See CSI section 23 05 13 00-0000 for motor requirements.

#### 21 05 16 Expansion Fittings and Loops for Fire-Suppression Piping <sup>(21 05)</sup>

See CSI section 23 05 16 00-0000 for expansion fittings and loops.

#### 21 05 17 Sleeves and Sleeve Seals for Fire-Suppression Piping <sup>(21 05)</sup>

See CSI section 23 05 17 00-0000 for sleeves and sleeve seals.

#### 21 05 19 Meters and Gages for Fire-Suppression Systems <sup>(21 05)</sup>

See CSI section 33 19 00 00-0000 for water utility service metering.

<b>21 05 19 00-0001</b>		<b>Fire Sprinkler System Water Pressure Gauge</b> <sup>(21 05 19)</sup>		
21 05 19 00-0002	EA	2" Diameter Dial, 0-200 PSI, Water Pressure Gauge Note: For fire sprinkler systems	39.86	10.72
21 05 19 00-0003	EA	2-1/2" Diameter Dial, 0-300 PSI, Water Pressure Gauge Note: For fire sprinkler systems	41.37	10.72
21 05 19 00-0004	EA	3" Diameter Dial, 0-300 PSI, Water Pressure Gauge Note: For fire sprinkler systems	48.44	10.72
21 05 19 00-0005	EA	3-1/2" Diameter Dial, 0-300 PSI, Water Pressure Gauge Note: For fire sprinkler systems	51.34	10.72
21 05 19 00-0006	EA	4" Diameter Dial, 0-300 PSI, Water Pressure Gauge Note: For fire sprinkler systems	54.24	10.72
<b>21 05 19 00-0007</b>		<b>Fire Service Meter Cast Iron Housing</b> <sup>(21 05 19)</sup>		
21 05 19 00-0008	EA	3" Diameter, 0 - 600 GPM Fire Service Meter Flanged, With Cast Iron Housing For >10 To 25, Deduct For >25, Deduct	4,252.95 -212.65 -616.46	171.63
21 05 19 00-0009	EA	4" Diameter, 0 - 1,000 GPM Fire Service Meter Flanged, With Cast Iron Housing For >10 To 25, Deduct For >25, Deduct	8,656.56 -432.83 -1,262.43	287.72

**21 Fire Suppression****21 05 Common Work Results for Fire Suppression****21 05 19 Meters and Gages for Fire-Suppression Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 05 19 00-0010	EA		6" Diameter, 0 - 2,000 GPM Fire Service Meter Flanged, With Cast Iron Housing .....	11,734.04	412.67
			<i>For &gt;10 To 25, Deduct</i>	-586.70	
			<i>For &gt;25, Deduct</i>	-1,708.34	
21 05 19 00-0011	EA		8" Diameter, 0 - 4,000 GPM Fire Service Meter Flanged, With Cast Iron Housing .....	15,299.43	527.29
			<i>For &gt;10 To 25, Deduct</i>	-764.97	
			<i>For &gt;25, Deduct</i>	-2,229.41	
21 05 19 00-0012	EA		10" Diameter, 0 - 6,200 GPM Fire Service Meter Flanged, With Cast Iron Housing .....	21,526.44	641.91
			<i>For &gt;10 To 25, Deduct</i>	-1,076.32	
			<i>For &gt;25, Deduct</i>	-3,148.73	

**21 05 23 General-Duty Valves for Water-Based Fire-Suppression Piping**

(21 05)

See CSI section 23 05 23 00-0000 for valves.

<b>21 05 23 00-0001</b>	<b>TESTanDRAIN® Valve</b> (21 05 23)				
21 05 23 00-0002	EA		1/4" 3-Way Globe Valve With 1/4" NPT Test Port (AGF 7600) .....	193.11	12.35
21 05 23 00-0003	EA		1" Threaded TESTanDRAIN® Valve (AGF 1000).....	218.13	14.93
21 05 23 00-0004	EA		1-1/4" Threaded TESTanDRAIN® Valve (AGF 1000).....	266.71	18.87
21 05 23 00-0005	EA		1-1/2" Threaded TESTanDRAIN® Valve (AGF 1000).....	416.25	21.79
21 05 23 00-0006	EA		2" Threaded TESTanDRAIN® Valve (AGF 1000).....	437.56	25.73
21 05 23 00-0007	EA		1" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011).....	306.56	14.93
21 05 23 00-0008	EA		1-1/4" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011) .....	354.28	18.87
21 05 23 00-0009	EA		1-1/2" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011) .....	506.49	21.79
21 05 23 00-0010	EA		2" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011).....	530.20	25.73

**21 05 29 Hangers and Supports for Fire-Suppression Piping and Equipment**

(21 05)

See CSI section 23 05 29 00-0000 for hangers and supports.

**21 05 48 Vibration and Seismic Controls for Fire-Suppression Piping and Equipment**

(21 05)

**21 05 48 13 Vibration Controls for Fire-Suppression Piping and Equipment** (21 05 48)

See CSI section 23 05 48 13-0000 for vibration and seismic control.

**21 05 53 Identification for Fire-Suppression Piping and Equipment** (21 05)

See CSI section 23 05 53 00-0000 for identification.

**21 07 Fire-Suppression Systems Insulation** (21)**21 07 16 Fire-Suppression Equipment Insulation** (21 07)

See CSI section 23 07 16 00-0000 for fire-suppression equipment insulation.

**21 07 19 Fire-Suppression Piping Insulation** (21 07)

See CSI section 22 07 19 00-0000 for fire-suppression piping insulation.

**21 10 Water-Based Fire-Suppression Systems** (21)

See CSI section 22 11 16 00-0368 for copper pipe, 22 11 16 00-0912 for CPVC pipe, 23 05 23 00-0259 for OS&amp;Y gate valves, 23 21 13 23-0000 for black steel piping.

**21 11 Facility Fire-Suppression Water-Service Piping** (21 10)**21 11 19 Fire-Department Connections** (21 11)**21 11 19 00-0001 Fire Department Connections** (21 11 19)

21 11 19 00-0002	EA		4" x 2-1/2" x 2-1/2" Siamese Connection, Polished Brass .....	870.80	276.22
			<i>For Polished Chrome, Add</i>	56.54	
21 11 19 00-0003	EA		6" x 2-1/2" x 2-1/2" Siamese Connection, Polished Brass .....	1,215.69	345.28
			<i>For Polished Chrome, Add</i>	86.55	
21 11 19 00-0004	EA		4" x 3" x 3" Siamese Connection, Polished Brass.....	1,295.61	276.22
			<i>For Polished Chrome, Add</i>	109.62	
21 11 19 00-0005	EA		6" x 3" x 3" Siamese Connection, Polished Brass.....	1,714.19	345.28
			<i>For Polished Chrome, Add</i>	148.86	
21 11 19 00-0006	EA		6" x 2-1/2" x 2-1/2" x 2-1/2" Siamese Connection, Three Way, Polished Brass.....	1,836.05	345.28
			<i>For Polished Chrome, Add</i>	164.09	
21 11 19 00-0007	EA		Sidewalk Type Connection With Plug And Chain, Polished Brass.....	1,565.83	365.44
			<i>For Polished Chrome, Add</i>	126.55	
21 11 19 00-0008	EA		Wall Type Connection With Plug And Chain, Polished Brass .....	999.34	276.22
			<i>For Polished Chrome, Add</i>	72.61	

**21 11 19 00-0009 Wall Type Indicator Post, Wheel Operated** (21 11 19)

See CSI section 33 14 19 00-0159 for adjustable indicator post accessory for ground valves.

21 11 19 00-0010	EA		Wall Type Indicator Post With Wall Flange For Valve (Victaulic 773) .....	1,440.95	287.72
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**21 12 Fire-Suppression Standpipes** (21 10)

See CSI section 23 21 13 23-0000 for black steel pipe.

**21 12 13 Fire-Suppression Hoses and Nozzles** (21 12)**21 12 13 00-0001 Fire Hose** (21 12 13)**21 12 13 00-0002 Fire Hose Without Couplings** (21 12 13 00-0001)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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21 12 13 00-0003	LF		1-1/2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings.....	2.19	1.69
21 12 13 00-0004	LF		2-1/2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings.....	2.56	1.69
21 12 13 00-0005	LF		2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings.....	2.32	1.69
21 12 13 00-0006	LF		3" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings.....	2.72	1.69
21 12 13 00-0007	LF		1-1/2" Cotton Fire Hose, 300 LB Test With 1-1/2" Rubber Lining Without Couplings.....	2.47	1.69
21 12 13 00-0008	LF		2-1/2" Cotton Fire Hose, 300 LB Test With 1-1/2" Rubber Lining Without Couplings.....	3.07	1.69
21 12 13 00-0009	LF		1-1/2" Cotton Fire Hose, 400 LB Test With 1-1/2" Rubber Lining Without Couplings.....	2.55	1.69
21 12 13 00-0010	LF		2-1/2" Cotton Fire Hose, 400 LB Test With 1-1/2" Rubber Lining Without Couplings.....	3.26	1.69

**21 12 13 00-0011 Fire Hose With Aluminum Couplings (21 12 13 00-0001)**

21 12 13 00-0012	LF		1-3/4" Polyester Fire Hose With Rubber Lining With Aluminum Couplings.....	5.25	0.93
21 12 13 00-0013	LF		2-1/2" Polyester Fire Hose With Rubber Lining With Aluminum Couplings.....	6.56	1.09
21 12 13 00-0014	LF		3-1/2" Polyester Fire Hose With Rubber Lining With Aluminum Couplings.....	11.07	1.09

**21 12 13 00-0015 Fire Hose Accessories (21 12 13 00-0001)**

21 12 13 00-0016	EA		Hose Coupling With 1-1/2" Pin Lug.....	104.85	27.82
21 12 13 00-0017	EA		Hose Coupling With 2-1/2" Pin Lug.....	155.13	31.19
21 12 13 00-0018	EA		1-1/2" x 10" Brass Straight Nozzle.....	74.92	21.92
21 12 13 00-0019	EA		2-1/2" x 12" Brass Straight Nozzle.....	151.63	21.92
21 12 13 00-0020	EA		1-1/2" Brass Fog Type Nozzle.....	119.96	21.92
21 12 13 00-0021	EA		2-1/2" Brass Fog Type Nozzle.....	173.67	21.92
21 12 13 00-0022	EA		1-1/2" Brass 100' Hose Rack.....	255.47	92.72
21 12 13 00-0023	EA		2-1/2" Brass 100' Hose Rack.....	360.88	92.72

**21 12 23 Fire-Suppression Hose Valves (21 12)**

**21 12 23 00-0001 Standpipe Valves (21 12 23)**

21 12 23 00-0002	EA		2-1/2" Fire Department Valve, Polished Brass With Plug And Chain.....	535.60	182.72
			<i>For Polished Chrome, Add</i>	38.83	
21 12 23 00-0003	EA		2-1/2" x 2-1/2" x 4" Fire Department Valve, Flush, Polished Brass.....	842.03	182.64
			<i>For Polished Chrome, Add</i>	84.80	
21 12 23 00-0004	EA		2-1/2" x 2-1/2" x 6" Fire Department Valve, Flush, Polished Brass.....	1,079.08	197.56
			<i>For Polished Chrome, Add</i>	116.95	
21 12 23 00-0005	EA		3" x 3" x 4" Fire Department Valve, Flush, Polished Brass.....	1,283.60	182.64
			<i>For Polished Chrome, Add</i>	151.03	
21 12 23 00-0006	EA		3" x 3" x 6" Fire Department Valve, Flush, Polished Brass.....	1,504.66	197.56
			<i>For Polished Chrome, Add</i>	180.79	
21 12 23 00-0007	EA		2-1/2" x 2-1/2" x 4" Fire Department Valve, Projecting, Polished Brass.....	795.10	182.64
			<i>For Polished Chrome, Add</i>	77.76	
21 12 23 00-0008	EA		2-1/2" x 2-1/2" x 6" Fire Department Valve, Projecting, Polished Brass.....	1,152.68	197.56
			<i>For Polished Chrome, Add</i>	127.99	
21 12 23 00-0009	EA		2-1/2" x 2-1/2" x 4" Fire Department Valve, Flush, Polished Brass.....	1,464.27	188.55
			<i>For Polished Chrome, Add</i>	141.43	
21 12 23 00-0010	EA		2-1/2" x 2-1/2" x 2-1/2" x 6" Fire Department Valve, Flush, Polished Brass.....	2,085.32	209.49
			<i>For Polished Chrome, Add</i>	212.15	
21 12 23 00-0011	EA		2-1/2" x 2-1/2" x 2-1/2" x 4" Fire Department Valve, Projecting, Polished Brass.....	1,569.87	188.55
			<i>For Polished Chrome, Add</i>	154.10	
21 12 23 00-0012	EA		2-1/2" x 2-1/2" x 2-1/2" x 6" Fire Department Valve, Projecting, Polished Brass.....	2,244.41	209.49
			<i>For Polished Chrome, Add</i>	231.24	
21 12 23 00-0013	EA		2-1/2" x 2-1/2" x 2-1/2" x 2-1/2" 6" Fire Department Valve, Square, Flush, Polished Brass.....	4,169.85	251.35
			<i>For Polished Chrome, Add</i>	378.89	

**21 12 23 00-0014 Fire Hose Angle Valves (21 12 23)**

21 12 23 00-0015	EA		1-1/2", 300 LB Rated, Cast Brass, Fire Hose Angle Valve.....	181.16	22.76
21 12 23 00-0016	EA		1-1/2", 300 LB Rated, Polished Brass, Fire Hose Angle Valve.....	217.57	22.76
21 12 23 00-0017	EA		1-1/2", 300 LB Rated, Rough Chrome Plated, Fire Hose Angle Valve.....	204.33	22.76
21 12 23 00-0018	EA		1-1/2", 300 LB Rated, Polished Chrome Plated, Fire Hose Angle Valve.....	240.74	22.76
21 12 23 00-0019	EA		2-1/2", 300 LB Rated, Cast Brass, Fire Hose Angle Valve.....	323.07	37.93
21 12 23 00-0020	EA		2-1/2", 300 LB Rated, Polished Brass, Fire Hose Angle Valve.....	376.03	37.93
21 12 23 00-0021	EA		2-1/2", 300 LB Rated, Rough Chrome Plated, Fire Hose Angle Valve.....	380.45	37.93
21 12 23 00-0022	EA		2-1/2", 300 LB Rated, Polished Chrome Plated, Fire Hose Angle Valve.....	433.41	37.93

**21 12 23 00-0023 Fire Hose Valve Cap And Chain (21 12 23)**

21 12 23 00-0024	EA		1-1/2" Cast Brass, Fire Hose Valve Cap And Chain.....	35.92	8.57
21 12 23 00-0025	EA		1-1/2" Polished Brass, Fire Hose Valve Cap And Chain.....	56.88	8.57
21 12 23 00-0026	EA		1-1/2" Rough Chrome Plated, Fire Hose Valve Cap And Chain.....	50.26	8.57
21 12 23 00-0027	EA		1-1/2" Polished Chrome Plated, Fire Hose Valve Cap And Chain.....	66.81	8.57
21 12 23 00-0028	EA		1-1/2" Aluminum Brass Fire Hose Valve Cap And Chain.....	24.59	8.57
21 12 23 00-0029	EA		2-1/2" Cast Brass, Fire Hose Valve Cap And Chain.....	56.76	10.72
21 12 23 00-0030	EA		2-1/2" Polished Brass, Fire Hose Valve Cap And Chain.....	75.52	10.72
21 12 23 00-0031	EA		2-1/2" Rough Chrome Plated, Fire Hose Valve Cap And Chain.....	72.21	10.72
21 12 23 00-0032	EA		2-1/2" Polished Chrome Plated, Fire Hose Valve Cap And Chain.....	90.96	10.72
21 12 23 00-0033	EA		2-1/2" Aluminum Brass Fire Hose Valve Cap And Chain.....	32.63	10.72
21 12 23 00-0034	EA		3" Cast Brass, Fire Hose Valve Cap And Chain.....	89.37	11.58
21 12 23 00-0035	EA		3" Polished Brass, Fire Hose Valve Cap And Chain.....	113.65	11.58
21 12 23 00-0036	EA		3" Rough Chrome Plated, Fire Hose Valve Cap And Chain.....	105.93	11.58
21 12 23 00-0037	EA		3" Polished Chrome Plated, Fire Hose Valve Cap And Chain.....	131.30	11.58

**21 12 29 Fire-Suppression Fire Hose Equipment (21 12)**

**21 Fire Suppression****21 10 Water-Based Fire-Suppression Systems****21 12 Fire-Suppression Standpipes**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 12 29 00-0001			<b>Standpipe And Fire Hose Equipment</b> <small>(21 12 29)</small>		
21 12 29 00-0002	EA		2-1/2" x 2-1/2" x 2-1/2" x 4" Manifold Roof Type, Vertical, Polished Brass .....	1,717.17	452.94
21 12 29 00-0003	EA		Water Motor Gong .....	588.38	129.54
21 12 29 00-0004	EA		Water Motor Gong With Retard Chamber Assembly .....	1,169.98	158.67
21 12 29 00-0005	EA		Fire Riser Flow Switch (National Fire Protection Association 13) .....	461.40	15.07
21 12 29 00-0006	EA		Water Flow Supervisory (Tamper) Switch Mounted On Valve.....	195.73	25.78
21 12 29 00-0007	EA		Spare Sprinkler Head Box For 3 Heads.....	32.72	9.91
			Note: Excludes spare sprinkler heads.		
21 12 29 00-0008	EA		Spare Sprinkler Head Box For 6 Heads.....	32.92	9.91
			Note: Excludes spare sprinkler heads.		
21 12 29 00-0009	EA		Spare Sprinkler Head Box For 12 Heads.....	35.16	9.91
			Note: Excludes spare sprinkler heads.		
21 12 29 00-0010			<b>Water Flow Detector</b> <small>(21 12 29)</small>		
21 12 29 00-0011			<b>Pressure-Type Water Flow Detector</b> <small>(21 12 29 00-0010)</small>		
21 12 29 00-0012	EA		Pressure-Type Water Flow Detector For Up To 2-1/2" Pipe .....	307.90	79.33
21 12 29 00-0013	EA		Pressure-Type Water Flow Detector For >2-1/2" To 4" Pipe .....	447.65	105.12
21 12 29 00-0014	EA		Pressure-Type Water Flow Detector For >4" To 8" Pipe.....	706.73	118.99
21 12 29 00-0015			<b>Vane-Type Water Flow Detector</b> <small>(21 12 29 00-0010)</small>		
21 12 29 00-0016	EA		Vane-Type Water Flow Detector For Up To 2-1/2" Pipe .....	388.66	79.33
21 12 29 00-0017	EA		Vane-Type Water Flow Detector For >2-1/2" To 4" Pipe .....	546.58	105.12
21 12 29 00-0018	EA		Vane-Type Water Flow Detector For >4" To 8" Pipe.....	863.57	118.99

**21 13 Fire-Suppression Sprinkler Systems** (21 10)**21 13 13 Wet-Pipe Sprinkler Systems** (21 13)

21 13 13 00-0001			<b>Complete Wet Pipe Sprinkler Systems</b> <small>(21 13 13)</small>		
			Note: Includes complete design per NFPA 13, 13D or 13R and stamped shop drawings approved by a registered engineer. Includes all branch line piping (standard weight black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc) from riser pipe and mains. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. For sprinkler repairs or sprinkler head replacements use specific pipe, fittings, hangers, valves, and sprinkler head components. See CSI section 23 21 13 23-1367 for individual grooved pipe, 23 21 13 23-1440 for individual grooved pipe fittings.		
21 13 13 00-0002			<b>Light Hazard, Complete Wet-Pipe Sprinkler Systems</b> <small>(21 13 13 00-0001)</small>		
21 13 13 00-0003	EA		Exposed Piping, Light Hazard, Complete Wet-Pipe Sprinkler System, Per Head.....	361.96	
			Note: Includes branch pipe and fittings, supports and sprinkler heads.		
			For Copper Pipe, Add	43.48	
			For Polyvinyl Chloride (PVC) Pipe, Deduct	-61.58	
			For Up To 5, Add	166.40	
			For >5 To 10, Add	104.82	
			For >10 To 20, Add	68.63	
			For >20 To 40, Add	28.91	
			For >100 To 150, Deduct	-36.20	
			For >150, Deduct	-72.39	
21 13 13 00-0004	EA		Concealed Piping, Light Hazard, Complete Wet-Pipe Sprinkler System, Per Head.....	476.04	
			Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
			For Copper Pipe, Add	55.49	
			For Polyvinyl Chloride (PVC) Pipe, Deduct	-79.29	
			For Up To 5, Add	222.25	
			For >5 To 10, Add	142.96	
			For >10 To 20, Add	95.36	
			For >20 To 40, Add	39.72	
			For >100 To 150, Deduct	-47.60	
			For >150, Deduct	-95.21	
21 13 13 00-0005			<b>Ordinary Hazard, Complete Wet-Pipe Sprinkler Systems</b> <small>(21 13 13 00-0001)</small>		
21 13 13 00-0006	EA		Exposed Piping, Ordinary Hazard, Complete Wet-Pipe Sprinkler System, Per Head.....	360.73	
			Note: Includes branch pipe and fittings, supports and sprinkler heads.		
			For Copper Pipe, Add	43.43	
			For Polyvinyl Chloride (PVC) Pipe, Deduct	-61.47	
			For Up To 5, Add	165.65	
			For >5 To 10, Add	104.18	
			For >10 To 20, Add	68.11	
			For >20 To 40, Add	28.72	
			For >100 To 150, Deduct	-36.07	
			For >150, Deduct	-72.15	
21 13 13 00-0007	EA		Concealed Piping, Ordinary Hazard, Complete Wet-Pipe Sprinkler System, Per Head.....	471.94	
			Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
			For Copper Pipe, Add	55.08	
			For Polyvinyl Chloride (PVC) Pipe, Deduct	-78.68	
			For Up To 5, Add	220.19	
			For >5 To 10, Add	141.51	
			For >10 To 20, Add	94.32	
			For >20 To 40, Add	39.30	
			For >100 To 150, Deduct	-47.19	
			For >150, Deduct	-94.39	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>21 13 13 00-0008</b>	<b>Extra Hazard, Complete Wet-Pipe Sprinkler Systems</b> <small>(21 13 13 00-0001)</small>		
21 13 13 00-0009	EA Exposed Piping, Extra Hazard, Complete Wet-Pipe Sprinkler System, Per Head.....	333.67	
	Note: Includes branch pipe and fittings, supports and sprinkler heads.		
	For Copper Pipe, Add	40.10	
	For Polyvinyl Chloride (PVC) Pipe, Deduct	-56.79	
	For Up To 5, Add	153.36	
	For >5 To 10, Add	96.57	
	For >10 To 20, Add	63.21	
	For >20 To 40, Add	26.63	
	For >100 To 150, Deduct	-33.37	
	For >150, Deduct	-66.73	
21 13 13 00-0010	EA Concealed Piping, Extra Hazard, Complete Wet-Pipe Sprinkler System, Per Head.....	437.40	
	Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
	For Copper Pipe, Add	50.98	
	For Polyvinyl Chloride (PVC) Pipe, Deduct	-72.85	
	For Up To 5, Add	204.23	
	For >5 To 10, Add	131.38	
	For >10 To 20, Add	87.64	
	For >20 To 40, Add	36.50	
	For >100 To 150, Deduct	-43.74	
	For >150, Deduct	-87.48	
<b>21 13 13 00-0011</b>	<b>Wet Pipe Sprinkler Components</b> <small>(21 13 13)</small>		
	Note: Excludes hydraulic calculations.		
<b>21 13 13 00-0012</b>	<b>Wet Pipe Alarm Check Valves</b> <small>(21 13 13 00-0011)</small>		
	Note: Excludes trim package See CSI section 21 13 13 00-0018 for Wet Pipe Valve Trim.		
21 13 13 00-0013	EA 2-1/2" Wet Pipe Alarm Check Valve .....	1,306.97	109.08
21 13 13 00-0014	EA 3" Wet Pipe Alarm Check Valve.....	1,338.70	124.95
21 13 13 00-0015	EA 4" Wet Pipe Alarm Check Valve.....	1,513.23	212.22
21 13 13 00-0016	EA 6" Wet Pipe Alarm Check Valve.....	1,474.12	267.75
21 13 13 00-0017	EA 8" Wet Pipe Alarm Check Valve.....	2,603.80	339.14
<b>21 13 13 00-0018</b>	<b>Wet Pipe Valve Trim</b> <small>(21 13 13 00-0011)</small>		
	Note: Vertical or Horizontal, closed drain, basic galvanized trim assembly package. Includes gauges, pressure switch, relief valve, drain line, and retard chamber.		
21 13 13 00-0019	EA 2-1/2" Wet Pipe Valve Trim.....	1,162.84	230.86
21 13 13 00-0020	EA 3" Wet Pipe Valve Trim.....	1,226.38	230.86
21 13 13 00-0021	EA 4" Wet Pipe Valve Trim.....	1,483.94	316.53
21 13 13 00-0022	EA 6" Wet Pipe Valve Trim.....	1,753.75	440.29
21 13 13 00-0023	EA 8" Wet Pipe Valve Trim.....	1,928.28	545.01
<b>21 13 13 00-0024</b>	<b>Wet Pipe Sprinkler Heads</b> <small>(21 13 13 00-0011)</small>		
<b>21 13 13 00-0025</b>	<b>Upright Wet Pipe Sprinkler Heads</b> <small>(21 13 13 00-0024)</small>		
21 13 13 00-0026	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright Brass Wet Pipe Sprinkler Head.....	59.84	9.48
	For >25 To 50, Deduct	-1.90	
	For >50 To 100, Deduct	-4.89	
	For >100 To 500, Deduct	-8.43	
	For >500 To 1,000, Deduct	-17.22	
	For >1,000, Deduct	-24.81	
21 13 13 00-0027	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright Chrome Wet Pipe Sprinkler Head.....	62.07	9.48
	For >25 To 50, Deduct	-1.90	
	For >50 To 100, Deduct	-5.00	
	For >100 To 500, Deduct	-8.71	
	For >500 To 1,000, Deduct	-17.62	
	For >1,000, Deduct	-25.21	
21 13 13 00-0028	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	63.50	9.48
	For >25 To 50, Deduct	-1.90	
	For >50 To 100, Deduct	-5.07	
	For >100 To 500, Deduct	-8.89	
	For >500 To 1,000, Deduct	-17.88	
	For >1,000, Deduct	-25.46	
21 13 13 00-0029	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright Brass Wet Pipe Sprinkler Head.....	60.96	9.48
	For >25 To 50, Deduct	-1.90	
	For >50 To 100, Deduct	-4.94	
	For >100 To 500, Deduct	-8.57	
	For >500 To 1,000, Deduct	-17.42	
	For >1,000, Deduct	-25.01	
21 13 13 00-0030	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright Chrome Wet Pipe Sprinkler Head.....	63.28	9.48
	For >25 To 50, Deduct	-1.90	
	For >50 To 100, Deduct	-5.06	
	For >100 To 500, Deduct	-8.86	
	For >500 To 1,000, Deduct	-17.84	
	For >1,000, Deduct	-25.42	
21 13 13 00-0031	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	64.76	9.48
	For >25 To 50, Deduct	-1.90	
	For >50 To 100, Deduct	-5.13	
	For >100 To 500, Deduct	-9.04	
	For >500 To 1,000, Deduct	-18.10	
	For >1,000, Deduct	-25.69	
21 13 13 00-0032	EA 1/2" NPT Thread, 3/8" Orifice, Quick Response, Upright Brass Wet Pipe Sprinkler Head .....	75.57	9.48
	For >25 To 50, Deduct	-1.90	
	For >50 To 100, Deduct	-5.68	
	For >100 To 500, Deduct	-10.39	
	For >500 To 1,000, Deduct	-20.05	
	For >1,000, Deduct	-27.64	

**21 Fire Suppression****21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
21 13 13 00-0033	EA 1/2" NPT Thread, 3/8" Orifice, Quick Response, Upright Chrome Wet Pipe Sprinkler Head.....	81.55	9.48
	For >25 To 50, Deduct	-1.90	
	For >50 To 100, Deduct	-5.97	
	For >100 To 500, Deduct	-11.14	
	For >500 To 1,000, Deduct	-21.13	
	For >1,000, Deduct	-28.71	
21 13 13 00-0034	EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Upright Brass Wet Pipe Sprinkler Head .....	75.57	9.48
	For >25 To 50, Deduct	-1.90	
	For >50 To 100, Deduct	-5.68	
	For >100 To 500, Deduct	-10.39	
	For >500 To 1,000, Deduct	-20.05	
	For >1,000, Deduct	-27.64	
21 13 13 00-0035	EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Upright Chrome Wet Pipe Sprinkler Head.....	81.55	9.48
	For >25 To 50, Deduct	-1.90	
	For >50 To 100, Deduct	-5.97	
	For >100 To 500, Deduct	-11.14	
	For >500 To 1,000, Deduct	-21.13	
	For >1,000, Deduct	-28.71	
21 13 13 00-0036	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Upright Brass Wet Pipe Sprinkler Head .....	67.83	9.48
	For >25 To 50, Deduct	-1.90	
	For >50 To 100, Deduct	-5.29	
	For >100 To 500, Deduct	-9.43	
	For >500 To 1,000, Deduct	-18.66	
	For >1,000, Deduct	-26.24	
21 13 13 00-0037	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Upright Chrome Wet Pipe Sprinkler Head.....	70.75	9.48
	For >25 To 50, Deduct	-1.90	
	For >50 To 100, Deduct	-5.43	
	For >100 To 500, Deduct	-9.79	
	For >500 To 1,000, Deduct	-19.18	
	For >1,000, Deduct	-26.77	
21 13 13 00-0038	EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright Brass Wet Pipe Sprinkler Head .....	68.80	10.53
	For >25 To 50, Deduct	-2.11	
	For >50 To 100, Deduct	-5.55	
	For >100 To 500, Deduct	-9.65	
	For >500 To 1,000, Deduct	-19.55	
	For >1,000, Deduct	-27.98	
21 13 13 00-0039	EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright Chrome Wet Pipe Sprinkler Head.....	72.21	10.53
	For >25 To 50, Deduct	-2.11	
	For >50 To 100, Deduct	-5.72	
	For >100 To 500, Deduct	-10.08	
	For >500 To 1,000, Deduct	-20.16	
	For >1,000, Deduct	-28.59	
21 13 13 00-0040	EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	72.90	10.53
	For >25 To 50, Deduct	-2.11	
	For >50 To 100, Deduct	-5.75	
	For >100 To 500, Deduct	-10.17	
	For >500 To 1,000, Deduct	-20.29	
	For >1,000, Deduct	-28.72	
21 13 13 00-0041	EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright Brass Wet Pipe Sprinkler Head .....	68.80	10.53
	For >25 To 50, Deduct	-2.11	
	For >50 To 100, Deduct	-5.55	
	For >100 To 500, Deduct	-9.65	
	For >500 To 1,000, Deduct	-19.55	
	For >1,000, Deduct	-27.98	
21 13 13 00-0042	EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright Chrome Wet Pipe Sprinkler Head.....	72.21	10.53
	For >25 To 50, Deduct	-2.11	
	For >50 To 100, Deduct	-5.72	
	For >100 To 500, Deduct	-10.08	
	For >500 To 1,000, Deduct	-20.16	
	For >1,000, Deduct	-28.59	
21 13 13 00-0043	EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	72.90	10.53
	For >25 To 50, Deduct	-2.11	
	For >50 To 100, Deduct	-5.75	
	For >100 To 500, Deduct	-10.17	
	For >500 To 1,000, Deduct	-20.29	
	For >1,000, Deduct	-28.72	
21 13 13 00-0044	EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Upright Brass Wet Pipe Sprinkler Head .....	66.29	9.48
	For >25 To 50, Deduct	-1.90	
	For >50 To 100, Deduct	-5.21	
	For >100 To 500, Deduct	-9.23	
	For >500 To 1,000, Deduct	-18.38	
	For >1,000, Deduct	-25.97	
21 13 13 00-0045	EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Upright Chrome Wet Pipe Sprinkler Head.....	68.52	9.48
	For >25 To 50, Deduct	-1.90	
	For >50 To 100, Deduct	-5.32	
	For >100 To 500, Deduct	-9.51	
	For >500 To 1,000, Deduct	-18.78	
	For >1,000, Deduct	-26.37	
21 13 13 00-0046	EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	68.95	9.48
	For >25 To 50, Deduct	-1.90	
	For >50 To 100, Deduct	-5.34	
	For >100 To 500, Deduct	-9.57	
	For >500 To 1,000, Deduct	-18.86	
	For >1,000, Deduct	-26.45	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0047 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright Brass Wet Pipe Sprinkler Head .....	66.29	9.48
For >25 To 50, Deduct	-1.90	
For >50 To 100, Deduct	-5.21	
For >100 To 500, Deduct	-9.23	
For >500 To 1,000, Deduct	-18.38	
For >1,000, Deduct	-25.97	
21 13 13 00-0048 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright Chrome Wet Pipe Sprinkler Head.....	68.52	9.48
For >25 To 50, Deduct	-1.90	
For >50 To 100, Deduct	-5.32	
For >100 To 500, Deduct	-9.51	
For >500 To 1,000, Deduct	-18.78	
For >1,000, Deduct	-26.37	
21 13 13 00-0049 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	68.95	9.48
For >25 To 50, Deduct	-1.90	
For >50 To 100, Deduct	-5.34	
For >100 To 500, Deduct	-9.57	
For >500 To 1,000, Deduct	-18.86	
For >1,000, Deduct	-26.45	
21 13 13 00-0050 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Combustible Concealed Space, Upright Brass Wet Pipe Sprinkler Head .....	68.94	9.48
For >25 To 50, Deduct	-1.90	
For >50 To 100, Deduct	-5.34	
For >100 To 500, Deduct	-9.57	
For >500 To 1,000, Deduct	-18.86	
For >1,000, Deduct	-26.44	
21 13 13 00-0051 EA 3/4" NPT Thread, K=14.0, Extended Coverage, Upright Brass Wet Pipe Sprinkler Head .....	92.73	10.53
For >25 To 50, Deduct	-2.11	
For >50 To 100, Deduct	-6.74	
For >100 To 500, Deduct	-12.65	
For >500 To 1,000, Deduct	-23.86	
For >1,000, Deduct	-32.29	
21 13 13 00-0052 EA 3/4" NPT Thread, K=14.0, Extended Coverage, Upright Chrome Wet Pipe Sprinkler Head.....	95.30	10.53
For >25 To 50, Deduct	-2.11	
For >50 To 100, Deduct	-6.87	
For >100 To 500, Deduct	-12.97	
For >500 To 1,000, Deduct	-24.32	
For >1,000, Deduct	-32.75	
21 13 13 00-0053 EA 3/4" NPT Thread, K=14.0, Extended Coverage, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	95.30	10.53
For >25 To 50, Deduct	-2.11	
For >50 To 100, Deduct	-6.87	
For >100 To 500, Deduct	-12.97	
For >500 To 1,000, Deduct	-24.32	
For >1,000, Deduct	-32.75	
21 13 13 00-0054 EA 3/4" NPT Thread, K=11.2, Extended Coverage, Upright Brass Wet Pipe Sprinkler Head .....	75.42	10.53
For >25 To 50, Deduct	-2.11	
For >50 To 100, Deduct	-5.88	
For >100 To 500, Deduct	-10.48	
For >500 To 1,000, Deduct	-20.74	
For >1,000, Deduct	-29.17	
21 13 13 00-0055 EA 3/4" NPT Thread, K=11.2, Extended Coverage, Upright Chrome Wet Pipe Sprinkler Head.....	77.18	10.53
For >25 To 50, Deduct	-2.11	
For >50 To 100, Deduct	-5.97	
For >100 To 500, Deduct	-10.70	
For >500 To 1,000, Deduct	-21.06	
For >1,000, Deduct	-29.49	
21 13 13 00-0056 EA 3/4" NPT Thread, K=11.2, Extended Coverage, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	77.18	10.53
For >25 To 50, Deduct	-2.11	
For >50 To 100, Deduct	-5.97	
For >100 To 500, Deduct	-10.70	
For >500 To 1,000, Deduct	-21.06	
For >1,000, Deduct	-29.49	
21 13 13 00-0057 EA 1/2" NPT Thread, K=5.6, Quick Response, Upright Stainless Steel Wet Pipe Sprinkler Head .....	220.78	9.48
For >25 To 50, Deduct	-1.90	
For >50 To 100, Deduct	-12.94	
For >100 To 500, Deduct	-28.55	
For >500 To 1,000, Deduct	-46.19	
For >1,000, Deduct	-53.77	
21 13 13 00-0058 EA 3/4" NPT Thread, K=8.0, Quick Response, Upright Stainless Steel Wet Pipe Sprinkler Head .....	243.12	10.53
For >25 To 50, Deduct	-2.11	
For >50 To 100, Deduct	-14.26	
For >100 To 500, Deduct	-31.44	
For >500 To 1,000, Deduct	-50.93	
For >1,000, Deduct	-59.36	
21 13 13 00-0059 EA 1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Upright Brass Wet Pipe Sprinkler Head .....	117.99	9.48
For >25 To 50, Deduct	-1.90	
For >50 To 100, Deduct	-7.80	
For >100 To 500, Deduct	-15.70	
For >500 To 1,000, Deduct	-27.69	
For >1,000, Deduct	-35.27	
21 13 13 00-0060 EA 1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Upright Chrome Wet Pipe Sprinkler Head .....	144.77	9.48
For >25 To 50, Deduct	-1.90	
For >50 To 100, Deduct	-9.14	
For >100 To 500, Deduct	-19.04	
For >500 To 1,000, Deduct	-32.51	
For >1,000, Deduct	-40.09	
21 13 13 00-0061 EA 1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Upright Brass Wet Pipe Sprinkler Head .....	256.75	9.48
For >25 To 50, Deduct	-1.90	
For >50 To 100, Deduct	-14.73	
For >100 To 500, Deduct	-33.04	
For >500 To 1,000, Deduct	-52.66	
For >1,000, Deduct	-60.25	

**21 Fire Suppression****21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

21 13 13 00-0062	EA	1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Upright Chrome Wet Pipe Sprinkler Head.....	326.54	9.48
		<i>For &gt;25 To 50, Deduct</i>	-1.90	
		<i>For &gt;50 To 100, Deduct</i>	-18.22	
		<i>For &gt;100 To 500, Deduct</i>	-41.77	
		<i>For &gt;500 To 1,000, Deduct</i>	-65.23	
		<i>For &gt;1,000, Deduct</i>	-72.81	
21 13 13 00-0063	EA	3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Upright Brass Wet Pipe Sprinkler Head.....	148.99	10.53
		<i>For &gt;25 To 50, Deduct</i>	-2.11	
		<i>For &gt;50 To 100, Deduct</i>	-9.56	
		<i>For &gt;100 To 500, Deduct</i>	-19.68	
		<i>For &gt;500 To 1,000, Deduct</i>	-33.98	
		<i>For &gt;1,000, Deduct</i>	-42.41	
21 13 13 00-0064	EA	3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Upright Chrome Wet Pipe Sprinkler Head.....	149.80	10.53
		<i>For &gt;25 To 50, Deduct</i>	-2.11	
		<i>For &gt;50 To 100, Deduct</i>	-9.60	
		<i>For &gt;100 To 500, Deduct</i>	-19.78	
		<i>For &gt;500 To 1,000, Deduct</i>	-34.13	
		<i>For &gt;1,000, Deduct</i>	-42.56	
<b>21 13 13 00-0065 Conventional Wet Pipe Sprinkler Heads (21 13 13 00-0024)</b>				
21 13 13 00-0066	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional Brass Wet Pipe Sprinkler Head.....	59.84	9.48
		<i>For &gt;25 To 50, Deduct</i>	-1.90	
		<i>For &gt;50 To 100, Deduct</i>	-4.89	
		<i>For &gt;100 To 500, Deduct</i>	-8.43	
		<i>For &gt;500 To 1,000, Deduct</i>	-17.22	
		<i>For &gt;1,000, Deduct</i>	-24.81	
21 13 13 00-0067	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional Chrome Wet Pipe Sprinkler Head.....	62.07	9.48
		<i>For &gt;25 To 50, Deduct</i>	-1.90	
		<i>For &gt;50 To 100, Deduct</i>	-5.00	
		<i>For &gt;100 To 500, Deduct</i>	-8.71	
		<i>For &gt;500 To 1,000, Deduct</i>	-17.62	
		<i>For &gt;1,000, Deduct</i>	-25.21	
21 13 13 00-0068	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional White Polyester Coated Wet Pipe Sprinkler Head.....	63.50	9.48
		<i>For &gt;25 To 50, Deduct</i>	-1.90	
		<i>For &gt;50 To 100, Deduct</i>	-5.07	
		<i>For &gt;100 To 500, Deduct</i>	-8.89	
		<i>For &gt;500 To 1,000, Deduct</i>	-17.88	
		<i>For &gt;1,000, Deduct</i>	-25.46	
21 13 13 00-0069	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional Brass Wet Pipe Sprinkler Head.....	69.59	10.53
		<i>For &gt;25 To 50, Deduct</i>	-2.11	
		<i>For &gt;50 To 100, Deduct</i>	-5.59	
		<i>For &gt;100 To 500, Deduct</i>	-9.75	
		<i>For &gt;500 To 1,000, Deduct</i>	-19.69	
		<i>For &gt;1,000, Deduct</i>	-28.12	
21 13 13 00-0070	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional Chrome Wet Pipe Sprinkler Head.....	72.21	10.53
		<i>For &gt;25 To 50, Deduct</i>	-2.11	
		<i>For &gt;50 To 100, Deduct</i>	-5.72	
		<i>For &gt;100 To 500, Deduct</i>	-10.08	
		<i>For &gt;500 To 1,000, Deduct</i>	-20.16	
		<i>For &gt;1,000, Deduct</i>	-28.59	
21 13 13 00-0071	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional White Polyester Coated Wet Pipe Sprinkler Head.....	72.62	10.53
		<i>For &gt;25 To 50, Deduct</i>	-2.11	
		<i>For &gt;50 To 100, Deduct</i>	-5.74	
		<i>For &gt;100 To 500, Deduct</i>	-10.13	
		<i>For &gt;500 To 1,000, Deduct</i>	-20.24	
		<i>For &gt;1,000, Deduct</i>	-28.67	
21 13 13 00-0072	EA	1/2" NPT Thread, K=5.6, Quick Response, Conventional Stainless Steel Wet Pipe Sprinkler Head.....	220.78	9.48
		<i>For &gt;25 To 50, Deduct</i>	-1.90	
		<i>For &gt;50 To 100, Deduct</i>	-12.94	
		<i>For &gt;100 To 500, Deduct</i>	-28.55	
		<i>For &gt;500 To 1,000, Deduct</i>	-46.19	
		<i>For &gt;1,000, Deduct</i>	-53.77	
<b>21 13 13 00-0073 Pendant Wet Pipe Sprinkler Heads (21 13 13 00-0024)</b>				
See CSI section 21 13 13 00-0209 for escutcheon for recessed pendant sprinkler head.				
21 13 13 00-0074	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendant Brass Wet Pipe Sprinkler Head.....	59.84	9.48
		<i>For &gt;25 To 50, Deduct</i>	-1.90	
		<i>For &gt;50 To 100, Deduct</i>	-4.89	
		<i>For &gt;100 To 500, Deduct</i>	-8.43	
		<i>For &gt;500 To 1,000, Deduct</i>	-17.22	
		<i>For &gt;1,000, Deduct</i>	-24.81	
21 13 13 00-0075	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendant Chrome Wet Pipe Sprinkler Head.....	62.07	9.48
		<i>For &gt;25 To 50, Deduct</i>	-1.90	
		<i>For &gt;50 To 100, Deduct</i>	-5.00	
		<i>For &gt;100 To 500, Deduct</i>	-8.71	
		<i>For &gt;500 To 1,000, Deduct</i>	-17.62	
		<i>For &gt;1,000, Deduct</i>	-25.21	
21 13 13 00-0076	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendant White Polyester Coated Wet Pipe Sprinkler Head.....	63.50	9.48
		<i>For &gt;25 To 50, Deduct</i>	-1.90	
		<i>For &gt;50 To 100, Deduct</i>	-5.07	
		<i>For &gt;100 To 500, Deduct</i>	-8.89	
		<i>For &gt;500 To 1,000, Deduct</i>	-17.88	
		<i>For &gt;1,000, Deduct</i>	-25.46	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0077 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendent Brass Wet Pipe Sprinkler Head .....	68.80	10.53
For >25 To 50, Deduct	-2.11	
For >50 To 100, Deduct	-5.55	
For >100 To 500, Deduct	-9.65	
For >500 To 1,000, Deduct	-19.55	
For >1,000, Deduct	-27.98	
21 13 13 00-0078 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head.....	72.21	10.53
For >25 To 50, Deduct	-2.11	
For >50 To 100, Deduct	-5.72	
For >100 To 500, Deduct	-10.08	
For >500 To 1,000, Deduct	-20.16	
For >1,000, Deduct	-28.59	
21 13 13 00-0079 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	72.90	10.53
For >25 To 50, Deduct	-2.11	
For >50 To 100, Deduct	-5.75	
For >100 To 500, Deduct	-10.17	
For >500 To 1,000, Deduct	-20.29	
For >1,000, Deduct	-28.72	
21 13 13 00-0080 EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendent Brass Wet Pipe Sprinkler Head .....	66.29	9.48
For >25 To 50, Deduct	-1.90	
For >50 To 100, Deduct	-5.21	
For >100 To 500, Deduct	-9.23	
For >500 To 1,000, Deduct	-18.38	
For >1,000, Deduct	-25.97	
21 13 13 00-0081 EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendent Chrome Wet Pipe Sprinkler Head.....	68.52	9.48
For >25 To 50, Deduct	-1.90	
For >50 To 100, Deduct	-5.32	
For >100 To 500, Deduct	-9.51	
For >500 To 1,000, Deduct	-18.78	
For >1,000, Deduct	-26.37	
21 13 13 00-0082 EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendent White Polyester Coated Wet Pipe Sprinkler Head .....	68.95	9.48
For >25 To 50, Deduct	-1.90	
For >50 To 100, Deduct	-5.34	
For >100 To 500, Deduct	-9.57	
For >500 To 1,000, Deduct	-18.86	
For >1,000, Deduct	-26.45	
21 13 13 00-0083 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Brass Wet Pipe Sprinkler Head .....	66.29	9.48
For >25 To 50, Deduct	-1.90	
For >50 To 100, Deduct	-5.21	
For >100 To 500, Deduct	-9.23	
For >500 To 1,000, Deduct	-18.38	
For >1,000, Deduct	-25.97	
21 13 13 00-0084 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Chrome Wet Pipe Sprinkler Head.....	68.52	9.48
For >25 To 50, Deduct	-1.90	
For >50 To 100, Deduct	-5.32	
For >100 To 500, Deduct	-9.51	
For >500 To 1,000, Deduct	-18.78	
For >1,000, Deduct	-26.37	
21 13 13 00-0085 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	68.95	9.48
For >25 To 50, Deduct	-1.90	
For >50 To 100, Deduct	-5.34	
For >100 To 500, Deduct	-9.57	
For >500 To 1,000, Deduct	-18.86	
For >1,000, Deduct	-26.45	
21 13 13 00-0086 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Brass Wet Pipe Sprinkler Head, Low Lead.....	66.29	9.48
For >25 To 50, Deduct	-1.90	
For >50 To 100, Deduct	-5.21	
For >100 To 500, Deduct	-9.23	
For >500 To 1,000, Deduct	-18.38	
For >1,000, Deduct	-25.97	
21 13 13 00-0087 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Chrome Wet Pipe Sprinkler Head, Low Lead .....	68.52	9.48
For >25 To 50, Deduct	-1.90	
For >50 To 100, Deduct	-5.32	
For >100 To 500, Deduct	-9.51	
For >500 To 1,000, Deduct	-18.78	
For >1,000, Deduct	-26.37	
21 13 13 00-0088 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent White Polyester Coated Wet Pipe Sprinkler Head, Low Lead.....	68.95	9.48
For >25 To 50, Deduct	-1.90	
For >50 To 100, Deduct	-5.34	
For >100 To 500, Deduct	-9.57	
For >500 To 1,000, Deduct	-18.86	
For >1,000, Deduct	-26.45	
21 13 13 00-0089 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Brass Wet Pipe Sprinkler Head, Low Lead.....	59.84	9.48
For >25 To 50, Deduct	-1.90	
For >50 To 100, Deduct	-4.89	
For >100 To 500, Deduct	-8.43	
For >500 To 1,000, Deduct	-17.22	
For >1,000, Deduct	-24.81	
21 13 13 00-0090 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Chrome Wet Pipe Sprinkler Head, Low Lead .....	62.07	9.48
For >25 To 50, Deduct	-1.90	
For >50 To 100, Deduct	-5.00	
For >100 To 500, Deduct	-8.71	
For >500 To 1,000, Deduct	-17.62	
For >1,000, Deduct	-25.21	
21 13 13 00-0091 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent White Polyester Coated Wet Pipe Sprinkler Head, Low Lead.....	63.50	9.48
For >25 To 50, Deduct	-1.90	
For >50 To 100, Deduct	-5.07	
For >100 To 500, Deduct	-8.89	
For >500 To 1,000, Deduct	-17.88	
For >1,000, Deduct	-25.46	

## 21 Fire Suppression

## 21 10 Water-Based Fire-Suppression Systems

## 21 13 Fire-Suppression Sprinkler Systems

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0092	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent Brass Wet Pipe Sprinkler Head .....	60.96	9.48
			<i>For &gt;25 To 50, Deduct</i>	-1.90	
			<i>For &gt;50 To 100, Deduct</i>	-4.94	
			<i>For &gt;100 To 500, Deduct</i>	-8.57	
			<i>For &gt;500 To 1,000, Deduct</i>	-17.42	
			<i>For &gt;1,000, Deduct</i>	-25.01	
21 13 13 00-0093	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent Chrome Wet Pipe Sprinkler Head .....	62.54	9.48
			<i>For &gt;25 To 50, Deduct</i>	-1.90	
			<i>For &gt;50 To 100, Deduct</i>	-5.02	
			<i>For &gt;100 To 500, Deduct</i>	-8.77	
			<i>For &gt;500 To 1,000, Deduct</i>	-17.71	
			<i>For &gt;1,000, Deduct</i>	-25.29	
21 13 13 00-0094	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent White Polyester Coated Wet Pipe Sprinkler Head .....	63.98	9.48
			<i>For &gt;25 To 50, Deduct</i>	-1.90	
			<i>For &gt;50 To 100, Deduct</i>	-5.10	
			<i>For &gt;100 To 500, Deduct</i>	-8.95	
			<i>For &gt;500 To 1,000, Deduct</i>	-17.96	
			<i>For &gt;1,000, Deduct</i>	-25.55	
21 13 13 00-0095	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent Brass Wet Pipe Sprinkler Head .....	70.91	10.53
			<i>For &gt;25 To 50, Deduct</i>	-2.11	
			<i>For &gt;50 To 100, Deduct</i>	-5.65	
			<i>For &gt;100 To 500, Deduct</i>	-9.92	
			<i>For &gt;500 To 1,000, Deduct</i>	-19.93	
			<i>For &gt;1,000, Deduct</i>	-28.36	
21 13 13 00-0096	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent Chrome Wet Pipe Sprinkler Head .....	73.80	10.53
			<i>For &gt;25 To 50, Deduct</i>	-2.11	
			<i>For &gt;50 To 100, Deduct</i>	-5.80	
			<i>For &gt;100 To 500, Deduct</i>	-10.28	
			<i>For &gt;500 To 1,000, Deduct</i>	-20.45	
			<i>For &gt;1,000, Deduct</i>	-28.88	
21 13 13 00-0097	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent White Polyester Coated Wet Pipe Sprinkler Head .....	73.80	10.53
			<i>For &gt;25 To 50, Deduct</i>	-2.11	
			<i>For &gt;50 To 100, Deduct</i>	-5.80	
			<i>For &gt;100 To 500, Deduct</i>	-10.28	
			<i>For &gt;500 To 1,000, Deduct</i>	-20.45	
			<i>For &gt;1,000, Deduct</i>	-28.88	
21 13 13 00-0098	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Pendent Brass Wet Pipe Sprinkler Head .....	67.83	9.48
			<i>For &gt;25 To 50, Deduct</i>	-1.90	
			<i>For &gt;50 To 100, Deduct</i>	-5.29	
			<i>For &gt;100 To 500, Deduct</i>	-9.43	
			<i>For &gt;500 To 1,000, Deduct</i>	-18.66	
			<i>For &gt;1,000, Deduct</i>	-26.24	
21 13 13 00-0099	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head .....	70.75	9.48
			<i>For &gt;25 To 50, Deduct</i>	-1.90	
			<i>For &gt;50 To 100, Deduct</i>	-5.43	
			<i>For &gt;100 To 500, Deduct</i>	-9.79	
			<i>For &gt;500 To 1,000, Deduct</i>	-19.18	
			<i>For &gt;1,000, Deduct</i>	-26.77	
21 13 13 00-0100	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Pendent Brass Wet Pipe Sprinkler Head .....	75.13	9.48
			<i>For &gt;25 To 50, Deduct</i>	-1.90	
			<i>For &gt;50 To 100, Deduct</i>	-5.65	
			<i>For &gt;100 To 500, Deduct</i>	-10.34	
			<i>For &gt;500 To 1,000, Deduct</i>	-19.97	
			<i>For &gt;1,000, Deduct</i>	-27.56	
21 13 13 00-0101	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head .....	79.91	9.48
			<i>For &gt;25 To 50, Deduct</i>	-1.90	
			<i>For &gt;50 To 100, Deduct</i>	-5.89	
			<i>For &gt;100 To 500, Deduct</i>	-10.94	
			<i>For &gt;500 To 1,000, Deduct</i>	-20.83	
			<i>For &gt;1,000, Deduct</i>	-28.42	
21 13 13 00-0102	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Pendent Brass Wet Pipe Sprinkler Head .....	75.13	9.48
			<i>For &gt;25 To 50, Deduct</i>	-1.90	
			<i>For &gt;50 To 100, Deduct</i>	-5.65	
			<i>For &gt;100 To 500, Deduct</i>	-10.34	
			<i>For &gt;500 To 1,000, Deduct</i>	-19.97	
			<i>For &gt;1,000, Deduct</i>	-27.56	
21 13 13 00-0103	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head .....	79.91	9.48
			<i>For &gt;25 To 50, Deduct</i>	-1.90	
			<i>For &gt;50 To 100, Deduct</i>	-5.89	
			<i>For &gt;100 To 500, Deduct</i>	-10.94	
			<i>For &gt;500 To 1,000, Deduct</i>	-20.83	
			<i>For &gt;1,000, Deduct</i>	-28.42	
21 13 13 00-0104	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head .....	64.05	9.48
			<i>For &gt;25 To 50, Deduct</i>	-1.90	
			<i>For &gt;50 To 100, Deduct</i>	-5.10	
			<i>For &gt;100 To 500, Deduct</i>	-8.95	
			<i>For &gt;500 To 1,000, Deduct</i>	-17.98	
			<i>For &gt;1,000, Deduct</i>	-25.56	
21 13 13 00-0105	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head .....	66.56	9.48
			<i>For &gt;25 To 50, Deduct</i>	-1.90	
			<i>For &gt;50 To 100, Deduct</i>	-5.22	
			<i>For &gt;100 To 500, Deduct</i>	-9.27	
			<i>For &gt;500 To 1,000, Deduct</i>	-18.43	
			<i>For &gt;1,000, Deduct</i>	-26.01	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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21 13 13 00-0106 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	67.88	9.48
<i>For &gt;25 To 50, Deduct</i>	-1.90	
<i>For &gt;50 To 100, Deduct</i>	-5.29	
<i>For &gt;100 To 500, Deduct</i>	-9.43	
<i>For &gt;500 To 1,000, Deduct</i>	-18.67	
<i>For &gt;1,000, Deduct</i>	-26.25	
21 13 13 00-0107 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head.....	69.86	10.53
<i>For &gt;25 To 50, Deduct</i>	-2.11	
<i>For &gt;50 To 100, Deduct</i>	-5.60	
<i>For &gt;100 To 500, Deduct</i>	-9.79	
<i>For &gt;500 To 1,000, Deduct</i>	-19.74	
<i>For &gt;1,000, Deduct</i>	-28.17	
21 13 13 00-0108 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head.....	72.34	10.53
<i>For &gt;25 To 50, Deduct</i>	-2.11	
<i>For &gt;50 To 100, Deduct</i>	-5.72	
<i>For &gt;100 To 500, Deduct</i>	-10.10	
<i>For &gt;500 To 1,000, Deduct</i>	-20.19	
<i>For &gt;1,000, Deduct</i>	-28.62	
21 13 13 00-0109 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	74.74	10.53
<i>For &gt;25 To 50, Deduct</i>	-2.11	
<i>For &gt;50 To 100, Deduct</i>	-5.84	
<i>For &gt;100 To 500, Deduct</i>	-10.40	
<i>For &gt;500 To 1,000, Deduct</i>	-20.62	
<i>For &gt;1,000, Deduct</i>	-29.05	
21 13 13 00-0110 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head.....	65.47	9.48
<i>For &gt;25 To 50, Deduct</i>	-1.90	
<i>For &gt;50 To 100, Deduct</i>	-5.17	
<i>For &gt;100 To 500, Deduct</i>	-9.13	
<i>For &gt;500 To 1,000, Deduct</i>	-18.23	
<i>For &gt;1,000, Deduct</i>	-25.82	
21 13 13 00-0111 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head.....	67.93	9.48
<i>For &gt;25 To 50, Deduct</i>	-1.90	
<i>For &gt;50 To 100, Deduct</i>	-5.29	
<i>For &gt;100 To 500, Deduct</i>	-9.44	
<i>For &gt;500 To 1,000, Deduct</i>	-18.68	
<i>For &gt;1,000, Deduct</i>	-26.26	
21 13 13 00-0112 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	69.27	9.48
<i>For &gt;25 To 50, Deduct</i>	-1.90	
<i>For &gt;50 To 100, Deduct</i>	-5.36	
<i>For &gt;100 To 500, Deduct</i>	-9.61	
<i>For &gt;500 To 1,000, Deduct</i>	-18.92	
<i>For &gt;1,000, Deduct</i>	-26.50	
21 13 13 00-0113 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head.....	70.91	10.53
<i>For &gt;25 To 50, Deduct</i>	-2.11	
<i>For &gt;50 To 100, Deduct</i>	-5.65	
<i>For &gt;100 To 500, Deduct</i>	-9.92	
<i>For &gt;500 To 1,000, Deduct</i>	-19.93	
<i>For &gt;1,000, Deduct</i>	-28.36	
21 13 13 00-0114 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head.....	73.49	10.53
<i>For &gt;25 To 50, Deduct</i>	-2.11	
<i>For &gt;50 To 100, Deduct</i>	-5.78	
<i>For &gt;100 To 500, Deduct</i>	-10.24	
<i>For &gt;500 To 1,000, Deduct</i>	-20.39	
<i>For &gt;1,000, Deduct</i>	-28.82	
21 13 13 00-0115 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	75.99	10.53
<i>For &gt;25 To 50, Deduct</i>	-2.11	
<i>For &gt;50 To 100, Deduct</i>	-5.91	
<i>For &gt;100 To 500, Deduct</i>	-10.55	
<i>For &gt;500 To 1,000, Deduct</i>	-20.84	
<i>For &gt;1,000, Deduct</i>	-29.27	
21 13 13 00-0116 EA 1/2" NPT Thread, 1/2" Orifice, Decorative Pendent Chrome Wet Pipe Sprinkler Head.....	104.59	9.48
<i>For &gt;25 To 50, Deduct</i>	-1.90	
<i>For &gt;50 To 100, Deduct</i>	-7.13	
<i>For &gt;100 To 500, Deduct</i>	-14.02	
<i>For &gt;500 To 1,000, Deduct</i>	-25.27	
<i>For &gt;1,000, Deduct</i>	-32.86	
21 13 13 00-0117 EA 1/2" NPT Thread, 1/2" Orifice, Decorative Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	104.59	9.48
<i>For &gt;25 To 50, Deduct</i>	-1.90	
<i>For &gt;50 To 100, Deduct</i>	-7.13	
<i>For &gt;100 To 500, Deduct</i>	-14.02	
<i>For &gt;500 To 1,000, Deduct</i>	-25.27	
<i>For &gt;1,000, Deduct</i>	-32.86	
21 13 13 00-0118 EA 3/4" NPT Thread, K=14.0, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head.....	77.99	10.53
<i>For &gt;25 To 50, Deduct</i>	-2.11	
<i>For &gt;50 To 100, Deduct</i>	-6.01	
<i>For &gt;100 To 500, Deduct</i>	-10.80	
<i>For &gt;500 To 1,000, Deduct</i>	-21.20	
<i>For &gt;1,000, Deduct</i>	-29.63	

**21 Fire Suppression****21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

21 13 13 00-0119	EA	3/4" NPT Thread, K=14.0, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head.....	79.88	10.53
		<i>For &gt;25 To 50, Deduct</i>	-2.11	
		<i>For &gt;50 To 100, Deduct</i>	-6.10	
		<i>For &gt;100 To 500, Deduct</i>	-11.04	
		<i>For &gt;500 To 1,000, Deduct</i>	-21.54	
		<i>For &gt;1,000, Deduct</i>	-29.97	
21 13 13 00-0120	EA	3/4" NPT Thread, K=14.0, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	79.88	10.53
		<i>For &gt;25 To 50, Deduct</i>	-2.11	
		<i>For &gt;50 To 100, Deduct</i>	-6.10	
		<i>For &gt;100 To 500, Deduct</i>	-11.04	
		<i>For &gt;500 To 1,000, Deduct</i>	-21.54	
		<i>For &gt;1,000, Deduct</i>	-29.97	
21 13 13 00-0121	EA	3/4" NPT Thread, K=11.2, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head.....	75.42	10.53
		<i>For &gt;25 To 50, Deduct</i>	-2.11	
		<i>For &gt;50 To 100, Deduct</i>	-5.88	
		<i>For &gt;100 To 500, Deduct</i>	-10.48	
		<i>For &gt;500 To 1,000, Deduct</i>	-20.74	
		<i>For &gt;1,000, Deduct</i>	-29.17	
21 13 13 00-0122	EA	3/4" NPT Thread, K=11.2, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head.....	77.18	10.53
		<i>For &gt;25 To 50, Deduct</i>	-2.11	
		<i>For &gt;50 To 100, Deduct</i>	-5.97	
		<i>For &gt;100 To 500, Deduct</i>	-10.70	
		<i>For &gt;500 To 1,000, Deduct</i>	-21.06	
		<i>For &gt;1,000, Deduct</i>	-29.49	
21 13 13 00-0123	EA	3/4" NPT Thread, K=11.2, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	77.18	10.53
		<i>For &gt;25 To 50, Deduct</i>	-2.11	
		<i>For &gt;50 To 100, Deduct</i>	-5.97	
		<i>For &gt;100 To 500, Deduct</i>	-10.70	
		<i>For &gt;500 To 1,000, Deduct</i>	-21.06	
		<i>For &gt;1,000, Deduct</i>	-29.49	
21 13 13 00-0124	EA	1/2" NPT Thread, K=5.6, Quick Response, Pendent Stainless Steel Wet Pipe Sprinkler Head.....	220.78	9.48
		<i>For &gt;25 To 50, Deduct</i>	-1.90	
		<i>For &gt;50 To 100, Deduct</i>	-12.94	
		<i>For &gt;100 To 500, Deduct</i>	-28.55	
		<i>For &gt;500 To 1,000, Deduct</i>	-46.19	
		<i>For &gt;1,000, Deduct</i>	-53.77	
21 13 13 00-0125	EA	3/4" NPT Thread, K=8.0, Quick Response, Pendent Stainless Steel Wet Pipe Sprinkler Head.....	243.12	10.53
		<i>For &gt;25 To 50, Deduct</i>	-2.11	
		<i>For &gt;50 To 100, Deduct</i>	-14.26	
		<i>For &gt;100 To 500, Deduct</i>	-31.44	
		<i>For &gt;500 To 1,000, Deduct</i>	-50.93	
		<i>For &gt;1,000, Deduct</i>	-59.36	
21 13 13 00-0126	EA	1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Pendent Brass Wet Pipe Sprinkler Head.....	117.99	9.48
		<i>For &gt;25 To 50, Deduct</i>	-1.90	
		<i>For &gt;50 To 100, Deduct</i>	-7.80	
		<i>For &gt;100 To 500, Deduct</i>	-15.70	
		<i>For &gt;500 To 1,000, Deduct</i>	-27.69	
		<i>For &gt;1,000, Deduct</i>	-35.27	
21 13 13 00-0127	EA	1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Pendent Chrome Wet Pipe Sprinkler Head.....	144.77	9.48
		<i>For &gt;25 To 50, Deduct</i>	-1.90	
		<i>For &gt;50 To 100, Deduct</i>	-9.14	
		<i>For &gt;100 To 500, Deduct</i>	-19.04	
		<i>For &gt;500 To 1,000, Deduct</i>	-32.51	
		<i>For &gt;1,000, Deduct</i>	-40.09	
21 13 13 00-0128	EA	1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Pendent Brass Wet Pipe Sprinkler Head.....	256.75	9.48
		<i>For &gt;25 To 50, Deduct</i>	-1.90	
		<i>For &gt;50 To 100, Deduct</i>	-14.73	
		<i>For &gt;100 To 500, Deduct</i>	-33.04	
		<i>For &gt;500 To 1,000, Deduct</i>	-52.66	
		<i>For &gt;1,000, Deduct</i>	-60.25	
21 13 13 00-0129	EA	1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Pendent Chrome Wet Pipe Sprinkler Head.....	326.54	9.48
		<i>For &gt;25 To 50, Deduct</i>	-1.90	
		<i>For &gt;50 To 100, Deduct</i>	-18.22	
		<i>For &gt;100 To 500, Deduct</i>	-41.77	
		<i>For &gt;500 To 1,000, Deduct</i>	-65.23	
		<i>For &gt;1,000, Deduct</i>	-72.81	
21 13 13 00-0130	EA	3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Pendent Brass Wet Pipe Sprinkler Head.....	148.99	10.53
		<i>For &gt;25 To 50, Deduct</i>	-2.11	
		<i>For &gt;50 To 100, Deduct</i>	-9.56	
		<i>For &gt;100 To 500, Deduct</i>	-19.68	
		<i>For &gt;500 To 1,000, Deduct</i>	-33.98	
		<i>For &gt;1,000, Deduct</i>	-42.41	
21 13 13 00-0131	EA	3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Pendent Chrome Wet Pipe Sprinkler Head.....	149.80	10.53
		<i>For &gt;25 To 50, Deduct</i>	-2.11	
		<i>For &gt;50 To 100, Deduct</i>	-9.60	
		<i>For &gt;100 To 500, Deduct</i>	-19.78	
		<i>For &gt;500 To 1,000, Deduct</i>	-34.13	
		<i>For &gt;1,000, Deduct</i>	-42.56	
21 13 13 00-0132		Sidewall Wet Pipe Sprinkler Heads <small>(21 13 13 00-0024)</small>		
21 13 13 00-0133		Horizontal Sidewall Wet-Pipe Sprinkler Heads <small>(21 13 13 00-0132)</small>		
21 13 13 00-0134	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	63.18	9.48
		<i>For &gt;25 To 50, Deduct</i>	-1.90	
		<i>For &gt;50 To 100, Deduct</i>	-5.06	
		<i>For &gt;100 To 500, Deduct</i>	-8.85	
		<i>For &gt;500 To 1,000, Deduct</i>	-17.82	
		<i>For &gt;1,000, Deduct</i>	-25.41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0135	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	64.97	9.48
			<i>For &gt;25 To 50, Deduct</i>	-1.90	
			<i>For &gt;50 To 100, Deduct</i>	-5.15	
			<i>For &gt;100 To 500, Deduct</i>	-9.07	
			<i>For &gt;500 To 1,000, Deduct</i>	-18.14	
			<i>For &gt;1,000, Deduct</i>	-25.73	
21 13 13 00-0136	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall White Polyester Coated Wet Pipe Sprinkler Head.....	67.79	9.48
			<i>For &gt;25 To 50, Deduct</i>	-1.90	
			<i>For &gt;50 To 100, Deduct</i>	-5.29	
			<i>For &gt;100 To 500, Deduct</i>	-9.42	
			<i>For &gt;500 To 1,000, Deduct</i>	-18.65	
			<i>For &gt;1,000, Deduct</i>	-26.24	
21 13 13 00-0137	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	64.19	9.48
			<i>For &gt;25 To 50, Deduct</i>	-1.90	
			<i>For &gt;50 To 100, Deduct</i>	-5.11	
			<i>For &gt;100 To 500, Deduct</i>	-8.97	
			<i>For &gt;500 To 1,000, Deduct</i>	-18.00	
			<i>For &gt;1,000, Deduct</i>	-25.59	
21 13 13 00-0138	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	66.01	9.48
			<i>For &gt;25 To 50, Deduct</i>	-1.90	
			<i>For &gt;50 To 100, Deduct</i>	-5.20	
			<i>For &gt;100 To 500, Deduct</i>	-9.20	
			<i>For &gt;500 To 1,000, Deduct</i>	-18.33	
			<i>For &gt;1,000, Deduct</i>	-25.92	
21 13 13 00-0139	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall White Wet Pipe Sprinkler Head.....	68.89	9.48
			<i>For &gt;25 To 50, Deduct</i>	-1.90	
			<i>For &gt;50 To 100, Deduct</i>	-5.34	
			<i>For &gt;100 To 500, Deduct</i>	-9.56	
			<i>For &gt;500 To 1,000, Deduct</i>	-18.85	
			<i>For &gt;1,000, Deduct</i>	-26.43	
21 13 13 00-0140	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	70.75	9.48
			<i>For &gt;25 To 50, Deduct</i>	-1.90	
			<i>For &gt;50 To 100, Deduct</i>	-5.43	
			<i>For &gt;100 To 500, Deduct</i>	-9.79	
			<i>For &gt;500 To 1,000, Deduct</i>	-19.18	
			<i>For &gt;1,000, Deduct</i>	-26.77	
21 13 13 00-0141	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	73.66	9.48
			<i>For &gt;25 To 50, Deduct</i>	-1.90	
			<i>For &gt;50 To 100, Deduct</i>	-5.58	
			<i>For &gt;100 To 500, Deduct</i>	-10.16	
			<i>For &gt;500 To 1,000, Deduct</i>	-19.71	
			<i>For &gt;1,000, Deduct</i>	-27.29	
21 13 13 00-0142	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	76.45	10.53
			<i>For &gt;25 To 50, Deduct</i>	-2.11	
			<i>For &gt;50 To 100, Deduct</i>	-5.93	
			<i>For &gt;100 To 500, Deduct</i>	-10.61	
			<i>For &gt;500 To 1,000, Deduct</i>	-20.93	
			<i>For &gt;1,000, Deduct</i>	-29.36	
21 13 13 00-0143	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	80.81	10.53
			<i>For &gt;25 To 50, Deduct</i>	-2.11	
			<i>For &gt;50 To 100, Deduct</i>	-6.15	
			<i>For &gt;100 To 500, Deduct</i>	-11.16	
			<i>For &gt;500 To 1,000, Deduct</i>	-21.71	
			<i>For &gt;1,000, Deduct</i>	-30.14	
21 13 13 00-0144	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	77.03	9.48
			<i>For &gt;25 To 50, Deduct</i>	-1.90	
			<i>For &gt;50 To 100, Deduct</i>	-5.75	
			<i>For &gt;100 To 500, Deduct</i>	-10.58	
			<i>For &gt;500 To 1,000, Deduct</i>	-20.31	
			<i>For &gt;1,000, Deduct</i>	-27.90	
21 13 13 00-0145	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	79.91	9.48
			<i>For &gt;25 To 50, Deduct</i>	-1.90	
			<i>For &gt;50 To 100, Deduct</i>	-5.89	
			<i>For &gt;100 To 500, Deduct</i>	-10.94	
			<i>For &gt;500 To 1,000, Deduct</i>	-20.83	
			<i>For &gt;1,000, Deduct</i>	-28.42	
21 13 13 00-0146	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	77.03	9.48
			<i>For &gt;25 To 50, Deduct</i>	-1.90	
			<i>For &gt;50 To 100, Deduct</i>	-5.75	
			<i>For &gt;100 To 500, Deduct</i>	-10.58	
			<i>For &gt;500 To 1,000, Deduct</i>	-20.31	
			<i>For &gt;1,000, Deduct</i>	-27.90	
21 13 13 00-0147	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	79.91	9.48
			<i>For &gt;25 To 50, Deduct</i>	-1.90	
			<i>For &gt;50 To 100, Deduct</i>	-5.89	
			<i>For &gt;100 To 500, Deduct</i>	-10.94	
			<i>For &gt;500 To 1,000, Deduct</i>	-20.83	
			<i>For &gt;1,000, Deduct</i>	-28.42	
21 13 13 00-0148	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	61.66	9.48
			<i>For &gt;25 To 50, Deduct</i>	-1.90	
			<i>For &gt;50 To 100, Deduct</i>	-4.98	
			<i>For &gt;100 To 500, Deduct</i>	-8.66	
			<i>For &gt;500 To 1,000, Deduct</i>	-17.55	
			<i>For &gt;1,000, Deduct</i>	-25.13	
21 13 13 00-0149	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	63.13	9.48
			<i>For &gt;25 To 50, Deduct</i>	-1.90	
			<i>For &gt;50 To 100, Deduct</i>	-5.05	
			<i>For &gt;100 To 500, Deduct</i>	-8.84	
			<i>For &gt;500 To 1,000, Deduct</i>	-17.81	
			<i>For &gt;1,000, Deduct</i>	-25.40	

**21 Fire Suppression**  
**21 10 Water-Based Fire-Suppression Systems**  
**21 13 Fire-Suppression Sprinkler Systems**



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
21 13 13 00-0150	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head.....	64.97	9.48
		<i>For &gt;25 To 50, Deduct</i>	-1.90	
		<i>For &gt;50 To 100, Deduct</i>	-5.15	
		<i>For &gt;100 To 500, Deduct</i>	-9.07	
		<i>For &gt;500 To 1,000, Deduct</i>	-18.14	
		<i>For &gt;1,000, Deduct</i>	-25.73	
21 13 13 00-0151	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	67.61	10.53
		<i>For &gt;25 To 50, Deduct</i>	-2.11	
		<i>For &gt;50 To 100, Deduct</i>	-5.49	
		<i>For &gt;100 To 500, Deduct</i>	-9.51	
		<i>For &gt;500 To 1,000, Deduct</i>	-19.34	
		<i>For &gt;1,000, Deduct</i>	-27.77	
21 13 13 00-0152	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	69.19	10.53
		<i>For &gt;25 To 50, Deduct</i>	-2.11	
		<i>For &gt;50 To 100, Deduct</i>	-5.57	
		<i>For &gt;100 To 500, Deduct</i>	-9.70	
		<i>For &gt;500 To 1,000, Deduct</i>	-19.62	
		<i>For &gt;1,000, Deduct</i>	-28.05	
21 13 13 00-0153	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head.....	70.90	10.53
		<i>For &gt;25 To 50, Deduct</i>	-2.11	
		<i>For &gt;50 To 100, Deduct</i>	-5.65	
		<i>For &gt;100 To 500, Deduct</i>	-9.92	
		<i>For &gt;500 To 1,000, Deduct</i>	-19.93	
		<i>For &gt;1,000, Deduct</i>	-28.36	
21 13 13 00-0154	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	68.86	10.53
		<i>For &gt;25 To 50, Deduct</i>	-2.11	
		<i>For &gt;50 To 100, Deduct</i>	-5.55	
		<i>For &gt;100 To 500, Deduct</i>	-9.66	
		<i>For &gt;500 To 1,000, Deduct</i>	-19.56	
		<i>For &gt;1,000, Deduct</i>	-27.99	
21 13 13 00-0155	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	70.51	10.53
		<i>For &gt;25 To 50, Deduct</i>	-2.11	
		<i>For &gt;50 To 100, Deduct</i>	-5.63	
		<i>For &gt;100 To 500, Deduct</i>	-9.87	
		<i>For &gt;500 To 1,000, Deduct</i>	-19.86	
		<i>For &gt;1,000, Deduct</i>	-28.29	
21 13 13 00-0156	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head.....	72.29	10.53
		<i>For &gt;25 To 50, Deduct</i>	-2.11	
		<i>For &gt;50 To 100, Deduct</i>	-5.72	
		<i>For &gt;100 To 500, Deduct</i>	-10.09	
		<i>For &gt;500 To 1,000, Deduct</i>	-20.18	
		<i>For &gt;1,000, Deduct</i>	-28.61	
21 13 13 00-0157	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	72.31	10.53
		<i>For &gt;25 To 50, Deduct</i>	-2.11	
		<i>For &gt;50 To 100, Deduct</i>	-5.72	
		<i>For &gt;100 To 500, Deduct</i>	-10.09	
		<i>For &gt;500 To 1,000, Deduct</i>	-20.18	
		<i>For &gt;1,000, Deduct</i>	-28.61	
21 13 13 00-0158	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	74.74	10.53
		<i>For &gt;25 To 50, Deduct</i>	-2.11	
		<i>For &gt;50 To 100, Deduct</i>	-5.84	
		<i>For &gt;100 To 500, Deduct</i>	-10.40	
		<i>For &gt;500 To 1,000, Deduct</i>	-20.62	
		<i>For &gt;1,000, Deduct</i>	-29.05	
21 13 13 00-0159	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head.....	74.74	10.53
		<i>For &gt;25 To 50, Deduct</i>	-2.11	
		<i>For &gt;50 To 100, Deduct</i>	-5.84	
		<i>For &gt;100 To 500, Deduct</i>	-10.40	
		<i>For &gt;500 To 1,000, Deduct</i>	-20.62	
		<i>For &gt;1,000, Deduct</i>	-29.05	
21 13 13 00-0160	EA	1/2" NPT Thread, 1/2" Orifice, Decorative Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	120.69	9.48
		<i>For &gt;25 To 50, Deduct</i>	-1.90	
		<i>For &gt;50 To 100, Deduct</i>	-7.93	
		<i>For &gt;100 To 500, Deduct</i>	-16.03	
		<i>For &gt;500 To 1,000, Deduct</i>	-28.17	
		<i>For &gt;1,000, Deduct</i>	-35.76	
21 13 13 00-0161	EA	1/2" NPT Thread, 1/2" Orifice, Decorative Horizontal Sidewall White Wet Pipe Sprinkler Head.....	120.69	9.48
		<i>For &gt;25 To 50, Deduct</i>	-1.90	
		<i>For &gt;50 To 100, Deduct</i>	-7.93	
		<i>For &gt;100 To 500, Deduct</i>	-16.03	
		<i>For &gt;500 To 1,000, Deduct</i>	-28.17	
		<i>For &gt;1,000, Deduct</i>	-35.76	
21 13 13 00-0162	EA	1/2" NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	62.27	9.48
		<i>For &gt;25 To 50, Deduct</i>	-1.90	
		<i>For &gt;50 To 100, Deduct</i>	-5.01	
		<i>For &gt;100 To 500, Deduct</i>	-8.73	
		<i>For &gt;500 To 1,000, Deduct</i>	-17.66	
		<i>For &gt;1,000, Deduct</i>	-25.24	
21 13 13 00-0163	EA	1/2" NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	62.27	9.48
		<i>For &gt;25 To 50, Deduct</i>	-1.90	
		<i>For &gt;50 To 100, Deduct</i>	-5.01	
		<i>For &gt;100 To 500, Deduct</i>	-8.73	
		<i>For &gt;500 To 1,000, Deduct</i>	-17.66	
		<i>For &gt;1,000, Deduct</i>	-25.24	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0164 EA 1/2" NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall White Wet Pipe Sprinkler Head .....62.27	9.48	
<i>For &gt;25 To 50, Deduct</i>	-1.90	
<i>For &gt;50 To 100, Deduct</i>	-5.01	
<i>For &gt;100 To 500, Deduct</i>	-8.73	
<i>For &gt;500 To 1,000, Deduct</i>	-17.66	
<i>For &gt;1,000, Deduct</i>	-25.24	
<b>21 13 13 00-0165 Vertical Sidewall Wet-Pipe Sprinkler Heads <small>(21 13 13 00-0132)</small></b>		
21 13 13 00-0166 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall Brass Wet Pipe Sprinkler Head.....65.50	9.48	
<i>For &gt;25 To 50, Deduct</i>	-1.90	
<i>For &gt;50 To 100, Deduct</i>	-5.17	
<i>For &gt;100 To 500, Deduct</i>	-9.14	
<i>For &gt;500 To 1,000, Deduct</i>	-18.24	
<i>For &gt;1,000, Deduct</i>	-25.82	
21 13 13 00-0167 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall Chrome Wet Pipe Sprinkler Head.....67.73	9.48	
<i>For &gt;25 To 50, Deduct</i>	-1.90	
<i>For &gt;50 To 100, Deduct</i>	-5.28	
<i>For &gt;100 To 500, Deduct</i>	-9.41	
<i>For &gt;500 To 1,000, Deduct</i>	-18.64	
<i>For &gt;1,000, Deduct</i>	-26.23	
21 13 13 00-0168 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall White Wet Pipe Sprinkler Head.....68.68	9.48	
<i>For &gt;25 To 50, Deduct</i>	-1.90	
<i>For &gt;50 To 100, Deduct</i>	-5.33	
<i>For &gt;100 To 500, Deduct</i>	-9.53	
<i>For &gt;500 To 1,000, Deduct</i>	-18.81	
<i>For &gt;1,000, Deduct</i>	-26.40	
<b>21 13 13 00-0169 Concealed Wet Pipe Sprinkler Heads <small>(21 13 13 00-0024)</small></b>		
<b>21 13 13 00-0170 Concealed Pendant Wet-Pipe Sprinkler Heads <small>(21 13 13 00-0169)</small></b>		
21 13 13 00-0171 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Brass Wet Pipe Sprinkler Head, Low Lead.....94.41	12.65	
Note: Excludes coverplate		
<i>For &gt;25 To 50, Deduct</i>	-2.53	
<i>For &gt;50 To 100, Deduct</i>	-7.25	
<i>For &gt;100 To 500, Deduct</i>	-13.07	
<i>For &gt;500 To 1,000, Deduct</i>	-25.59	
<i>For &gt;1,000, Deduct</i>	-35.70	
21 13 13 00-0172 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Brass Wet Pipe Sprinkler Head .....68.24	12.65	
Note: Excludes coverplate		
<i>For &gt;25 To 50, Deduct</i>	-2.53	
<i>For &gt;50 To 100, Deduct</i>	-5.94	
<i>For &gt;100 To 500, Deduct</i>	-9.79	
<i>For &gt;500 To 1,000, Deduct</i>	-20.88	
<i>For &gt;1,000, Deduct</i>	-30.99	
21 13 13 00-0173 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Concealed Pendent Brass Wet Pipe Sprinkler Head .....69.20	12.65	
Note: Excludes coverplate		
<i>For &gt;25 To 50, Deduct</i>	-2.53	
<i>For &gt;50 To 100, Deduct</i>	-5.99	
<i>For &gt;100 To 500, Deduct</i>	-9.91	
<i>For &gt;500 To 1,000, Deduct</i>	-21.05	
<i>For &gt;1,000, Deduct</i>	-31.17	
21 13 13 00-0174 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Concealed Pendent Brass Wet Pipe Sprinkler Head .....86.39	13.70	
Note: Excludes coverplate		
<i>For &gt;25 To 50, Deduct</i>	-2.74	
<i>For &gt;50 To 100, Deduct</i>	-7.06	
<i>For &gt;100 To 500, Deduct</i>	-12.17	
<i>For &gt;500 To 1,000, Deduct</i>	-24.86	
<i>For &gt;1,000, Deduct</i>	-35.82	
21 13 13 00-0175 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Concealed Pendent Brass Wet Pipe Sprinkler Head .....82.17	12.65	
Note: Excludes coverplate		
<i>For &gt;25 To 50, Deduct</i>	-2.53	
<i>For &gt;50 To 100, Deduct</i>	-6.64	
<i>For &gt;100 To 500, Deduct</i>	-11.54	
<i>For &gt;500 To 1,000, Deduct</i>	-23.39	
<i>For &gt;1,000, Deduct</i>	-33.50	
21 13 13 00-0176 EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Concealed Pendent Brass Wet Pipe Sprinkler Head .....82.17	12.65	
Note: Excludes coverplate		
<i>For &gt;25 To 50, Deduct</i>	-2.53	
<i>For &gt;50 To 100, Deduct</i>	-6.64	
<i>For &gt;100 To 500, Deduct</i>	-11.54	
<i>For &gt;500 To 1,000, Deduct</i>	-23.39	
<i>For &gt;1,000, Deduct</i>	-33.50	
21 13 13 00-0177 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head .....86.39	13.70	
Note: Excludes coverplate		
<i>For &gt;25 To 50, Deduct</i>	-2.74	
<i>For &gt;50 To 100, Deduct</i>	-7.06	
<i>For &gt;100 To 500, Deduct</i>	-12.17	
<i>For &gt;500 To 1,000, Deduct</i>	-24.86	
<i>For &gt;1,000, Deduct</i>	-35.82	
21 13 13 00-0178 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head .....76.05	12.65	
Note: Excludes coverplate		
<i>For &gt;25 To 50, Deduct</i>	-2.53	
<i>For &gt;50 To 100, Deduct</i>	-6.33	
<i>For &gt;100 To 500, Deduct</i>	-10.77	
<i>For &gt;500 To 1,000, Deduct</i>	-22.29	
<i>For &gt;1,000, Deduct</i>	-32.40	

**21 Fire Suppression**  
**21 10 Water-Based Fire-Suppression Systems**  
**21 13 Fire-Suppression Sprinkler Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0179	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head .....82.17	82.17	12.65
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-2.53	
			For >50 To 100, Deduct	-6.64	
			For >100 To 500, Deduct	-11.54	
			For >500 To 1,000, Deduct	-23.39	
			For >1,000, Deduct	-33.50	
21 13 13 00-0180	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head .....82.17	82.17	12.65
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-2.53	
			For >50 To 100, Deduct	-6.64	
			For >100 To 500, Deduct	-11.54	
			For >500 To 1,000, Deduct	-23.39	
			For >1,000, Deduct	-33.50	
21 13 13 00-0181	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head .....77.50	77.50	12.65
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-2.53	
			For >50 To 100, Deduct	-6.40	
			For >100 To 500, Deduct	-10.95	
			For >500 To 1,000, Deduct	-22.55	
			For >1,000, Deduct	-32.66	
21 13 13 00-0182	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Adjustable Concealed Pendent Brass Wet Pipe Sprinkler Head .....127.10	127.10	14.75
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-2.95	
			For >50 To 100, Deduct	-9.31	
			For >100 To 500, Deduct	-17.36	
			For >500 To 1,000, Deduct	-32.91	
			For >1,000, Deduct	-44.71	
21 13 13 00-0183	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head .....73.00	73.00	12.65
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-2.53	
			For >50 To 100, Deduct	-6.18	
			For >100 To 500, Deduct	-10.39	
			For >500 To 1,000, Deduct	-21.74	
			For >1,000, Deduct	-31.85	
21 13 13 00-0184	EA		3/4" NPT Thread, 17/32" Orifice, K=5.6, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head .....76.82	76.82	13.70
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-2.74	
			For >50 To 100, Deduct	-6.58	
			For >100 To 500, Deduct	-10.97	
			For >500 To 1,000, Deduct	-23.14	
			For >1,000, Deduct	-34.10	
21 13 13 00-0185	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head .....73.86	73.86	12.65
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-2.53	
			For >50 To 100, Deduct	-6.22	
			For >100 To 500, Deduct	-10.50	
			For >500 To 1,000, Deduct	-21.89	
			For >1,000, Deduct	-32.01	
21 13 13 00-0186	EA		3/4" NPT Thread, 17/32" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head .....78.08	78.08	13.70
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-2.74	
			For >50 To 100, Deduct	-6.64	
			For >100 To 500, Deduct	-11.13	
			For >500 To 1,000, Deduct	-23.37	
			For >1,000, Deduct	-34.33	
21 13 13 00-0187	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head .....86.79	86.79	13.70
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-2.74	
			For >50 To 100, Deduct	-7.08	
			For >100 To 500, Deduct	-12.22	
			For >500 To 1,000, Deduct	-24.94	
			For >1,000, Deduct	-35.89	
21 13 13 00-0188	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Non-Ferrous Sprinkler Head With Escutcheon And Adjustable Chrome Coverplate .....146.96	146.96	14.75
			For >25 To 50, Deduct	-2.95	
			For >50 To 100, Deduct	-10.30	
			For >100 To 500, Deduct	-19.85	
			For >500 To 1,000, Deduct	-36.48	
			For >1,000, Deduct	-48.29	
21 13 13 00-0189	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Non-Ferrous Sprinkler Head With Escutcheon And Adjustable White Coverplate .....146.96	146.96	14.75
			For >25 To 50, Deduct	-2.95	
			For >50 To 100, Deduct	-10.30	
			For >100 To 500, Deduct	-19.85	
			For >500 To 1,000, Deduct	-36.48	
			For >1,000, Deduct	-48.29	

21 13 13 00-0190 Concealed Horizontal Side Wall Wet-Pipe Sprinkler Heads (21 13 13 00-0169)

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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21 13 13 00-0191	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	101.69	12.65
		Note: Excludes coverplate		
		For >25 To 50, Deduct	-2.53	
		For >50 To 100, Deduct	-7.61	
		For >100 To 500, Deduct	-13.98	
		For >500 To 1,000, Deduct	-26.90	
		For >1,000, Deduct	-37.02	
21 13 13 00-0192	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	114.43	13.70
		Note: Excludes coverplate		
		For >25 To 50, Deduct	-2.74	
		For >50 To 100, Deduct	-8.46	
		For >100 To 500, Deduct	-15.67	
		For >500 To 1,000, Deduct	-29.91	
		For >1,000, Deduct	-40.87	
21 13 13 00-0193	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Extended Coverage, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	80.41	12.65
		Note: Excludes coverplate		
		For >25 To 50, Deduct	-2.53	
		For >50 To 100, Deduct	-6.55	
		For >100 To 500, Deduct	-11.32	
		For >500 To 1,000, Deduct	-23.07	
		For >1,000, Deduct	-33.18	
21 13 13 00-0194	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	81.39	13.70
		Note: Excludes coverplate		
		For >25 To 50, Deduct	-2.74	
		For >50 To 100, Deduct	-6.81	
		For >100 To 500, Deduct	-11.54	
		For >500 To 1,000, Deduct	-23.96	
		For >1,000, Deduct	-34.92	
<b>21 13 13 00-0195 Institutional Tamper Resistant Wet Pipe Sprinkler Heads</b> <small>(21 13 13 00-0024)</small>				
21 13 13 00-0196	EA	1/2" NPT Thread, K=5.6, Institutional Tamper Resistant, Pendant Chrome Wet Pipe Sprinkler Head.....	240.14	10.53
		Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.		
		For >25 To 50, Deduct	-2.11	
		For >50 To 100, Deduct	-14.11	
		For >100 To 500, Deduct	-31.07	
		For >500 To 1,000, Deduct	-50.39	
		For >1,000, Deduct	-58.82	
21 13 13 00-0197	EA	1/2" NPT Thread, K=5.6, Institutional Tamper Resistant, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	234.42	10.53
		Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.		
		For >25 To 50, Deduct	-2.11	
		For >50 To 100, Deduct	-13.83	
		For >100 To 500, Deduct	-30.36	
		For >500 To 1,000, Deduct	-49.36	
		For >1,000, Deduct	-57.79	
21 13 13 00-0198	EA	1/2" NPT Thread, K=5.6, Quick Response, Institutional Tamper Resistant, Pendant Chrome Wet Pipe Sprinkler Head.....	102.69	10.53
		For >25 To 50, Deduct	-2.11	
		For >50 To 100, Deduct	-7.24	
		For >100 To 500, Deduct	-13.89	
		For >500 To 1,000, Deduct	-25.65	
		For >1,000, Deduct	-34.08	
21 13 13 00-0199	EA	1/2" NPT Thread, K=5.6, Quick Response, Institutional Tamper Resistant, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	114.56	10.53
		For >25 To 50, Deduct	-2.11	
		For >50 To 100, Deduct	-7.84	
		For >100 To 500, Deduct	-15.37	
		For >500 To 1,000, Deduct	-27.79	
		For >1,000, Deduct	-36.22	
<b>21 13 13 00-0200 Wet Pipe Sprinkler Head Accessories</b> <small>(21 13 13 00-0011)</small>				
<b>21 13 13 00-0201 Sprinkler Adjustable Steel Drop Nipple</b> <small>(21 13 13 00-0200)</small>				
21 13 13 00-0202	EA	1" Male NPT x 1/2" Female NPT x 4.125" Minimum Length To 5.125" Maximum Length, Adjustable Steel Drop Nipple (Anvil M1.150).....	41.09	10.94
		For >25 To 50, Deduct	-0.91	
		For >50 To 100, Deduct	-2.97	
		For >100 To 500, Deduct	-5.59	
		For >500 To 1,000, Deduct	-10.50	
		For >1,000, Deduct	-14.15	
21 13 13 00-0203	EA	1" Male NPT x 1/2" Female NPT x 6.125" Minimum Length To 9.125" Maximum Length, Adjustable Steel Drop Nipple (Anvil M3.150).....	41.09	10.94
		For >25 To 50, Deduct	-0.91	
		For >50 To 100, Deduct	-2.97	
		For >100 To 500, Deduct	-5.59	
		For >500 To 1,000, Deduct	-10.50	
		For >1,000, Deduct	-14.15	
21 13 13 00-0204	EA	1" Male NPT x 1/2" Female NPT x 7.875" Minimum Length To 10.875" Maximum Length, Adjustable Steel Drop Nipple (Anvil ME3.150).....	41.56	10.94
		For >25 To 50, Deduct	-0.91	
		For >50 To 100, Deduct	-2.99	
		For >100 To 500, Deduct	-5.65	
		For >500 To 1,000, Deduct	-10.58	
		For >1,000, Deduct	-14.23	

**21 Fire Suppression****21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

21 13 13 00-0205	EA	1" Female NPT x 1/2" Female NPT x 3.5" Minimum Length To 4.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F1.150) .....	36.75	10.94
		<i>For &gt;25 To 50, Deduct</i>	-0.91	
		<i>For &gt;50 To 100, Deduct</i>	-2.75	
		<i>For &gt;100 To 500, Deduct</i>	-5.05	
		<i>For &gt;500 To 1,000, Deduct</i>	-9.72	
		<i>For &gt;1,000, Deduct</i>	-13.37	
21 13 13 00-0206	EA	1" Female NPT x 1/2" Female NPT x 4.5" Minimum Length To 6.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F2.150) .....	36.75	10.94
		<i>For &gt;25 To 50, Deduct</i>	-0.91	
		<i>For &gt;50 To 100, Deduct</i>	-2.75	
		<i>For &gt;100 To 500, Deduct</i>	-5.05	
		<i>For &gt;500 To 1,000, Deduct</i>	-9.72	
		<i>For &gt;1,000, Deduct</i>	-13.37	
21 13 13 00-0207	EA	1" Female NPT x 1/2" Female NPT x 5.5" Minimum Length To 8.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F3.150) .....	36.75	10.94
		<i>For &gt;25 To 50, Deduct</i>	-0.91	
		<i>For &gt;50 To 100, Deduct</i>	-2.75	
		<i>For &gt;100 To 500, Deduct</i>	-5.05	
		<i>For &gt;500 To 1,000, Deduct</i>	-9.72	
		<i>For &gt;1,000, Deduct</i>	-13.37	
21 13 13 00-0208	EA	1" Female NPT x 3/4" Female NPT x 7.35" Minimum Length To 10.35" Maximum Length, Adjustable Steel Drop Nipple (Anvil F3.175) .....	41.04	11.90
		<i>For &gt;25 To 50, Deduct</i>	-0.99	
		<i>For &gt;50 To 100, Deduct</i>	-3.04	
		<i>For &gt;100 To 500, Deduct</i>	-5.63	
		<i>For &gt;500 To 1,000, Deduct</i>	-10.76	
		<i>For &gt;1,000, Deduct</i>	-14.73	

**21 13 13 00-0209 Sprinkler Head Escutcheon** (21 13 13 00-0200)

21 13 13 00-0210	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Recessed Escutcheon .....	15.68	3.80
		<i>For &gt;25 To 50, Deduct</i>	-0.32	
		<i>For &gt;50 To 100, Deduct</i>	-1.10	
		<i>For &gt;100 To 500, Deduct</i>	-2.12	
		<i>For &gt;500 To 1,000, Deduct</i>	-3.90	
		<i>For &gt;1,000, Deduct</i>	-5.16	
21 13 13 00-0211	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Recessed Escutcheon .....	10.96	3.80
		<i>For &gt;25 To 50, Deduct</i>	-0.32	
		<i>For &gt;50 To 100, Deduct</i>	-0.86	
		<i>For &gt;100 To 500, Deduct</i>	-1.53	
		<i>For &gt;500 To 1,000, Deduct</i>	-3.05	
		<i>For &gt;1,000, Deduct</i>	-4.31	
21 13 13 00-0212	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, White Sprinkler Head Recessed Escutcheon .....	10.96	3.80
		<i>For &gt;25 To 50, Deduct</i>	-0.32	
		<i>For &gt;50 To 100, Deduct</i>	-0.86	
		<i>For &gt;100 To 500, Deduct</i>	-1.53	
		<i>For &gt;500 To 1,000, Deduct</i>	-3.05	
		<i>For &gt;1,000, Deduct</i>	-4.31	
21 13 13 00-0213	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Recessed Escutcheon .....	15.68	3.80
		<i>For &gt;25 To 50, Deduct</i>	-0.32	
		<i>For &gt;50 To 100, Deduct</i>	-1.10	
		<i>For &gt;100 To 500, Deduct</i>	-2.12	
		<i>For &gt;500 To 1,000, Deduct</i>	-3.90	
		<i>For &gt;1,000, Deduct</i>	-5.16	
21 13 13 00-0214	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Recessed Escutcheon .....	10.96	3.80
		<i>For &gt;25 To 50, Deduct</i>	-0.32	
		<i>For &gt;50 To 100, Deduct</i>	-0.86	
		<i>For &gt;100 To 500, Deduct</i>	-1.53	
		<i>For &gt;500 To 1,000, Deduct</i>	-3.05	
		<i>For &gt;1,000, Deduct</i>	-4.31	
21 13 13 00-0215	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, White Sprinkler Head Recessed Escutcheon .....	10.96	3.80
		<i>For &gt;25 To 50, Deduct</i>	-0.32	
		<i>For &gt;50 To 100, Deduct</i>	-0.86	
		<i>For &gt;100 To 500, Deduct</i>	-1.53	
		<i>For &gt;500 To 1,000, Deduct</i>	-3.05	
		<i>For &gt;1,000, Deduct</i>	-4.31	
21 13 13 00-0216	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Recessed Escutcheon .....	14.83	3.80
		<i>For &gt;25 To 50, Deduct</i>	-0.32	
		<i>For &gt;50 To 100, Deduct</i>	-1.06	
		<i>For &gt;100 To 500, Deduct</i>	-2.01	
		<i>For &gt;500 To 1,000, Deduct</i>	-3.74	
		<i>For &gt;1,000, Deduct</i>	-5.01	
21 13 13 00-0217	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Recessed Escutcheon .....	10.96	3.80
		<i>For &gt;25 To 50, Deduct</i>	-0.32	
		<i>For &gt;50 To 100, Deduct</i>	-0.86	
		<i>For &gt;100 To 500, Deduct</i>	-1.53	
		<i>For &gt;500 To 1,000, Deduct</i>	-3.05	
		<i>For &gt;1,000, Deduct</i>	-4.31	
21 13 13 00-0218	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, White Sprinkler Head Recessed Escutcheon .....	10.96	3.80
		<i>For &gt;25 To 50, Deduct</i>	-0.32	
		<i>For &gt;50 To 100, Deduct</i>	-0.86	
		<i>For &gt;100 To 500, Deduct</i>	-1.53	
		<i>For &gt;500 To 1,000, Deduct</i>	-3.05	
		<i>For &gt;1,000, Deduct</i>	-4.31	
21 13 13 00-0219	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Recessed Escutcheon .....	14.83	3.80
		<i>For &gt;25 To 50, Deduct</i>	-0.32	
		<i>For &gt;50 To 100, Deduct</i>	-1.06	
		<i>For &gt;100 To 500, Deduct</i>	-2.01	
		<i>For &gt;500 To 1,000, Deduct</i>	-3.74	
		<i>For &gt;1,000, Deduct</i>	-5.01	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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21 13 13 00-0220	EA 2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Recessed Escutcheon .....	10.96	3.80
	For >25 To 50, Deduct	-0.32	
	For >50 To 100, Deduct	-0.86	
	For >100 To 500, Deduct	-1.53	
	For >500 To 1,000, Deduct	-3.05	
	For >1,000, Deduct	-4.31	
21 13 13 00-0221	EA 2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, White Sprinkler Head Recessed Escutcheon .....	10.96	3.80
	For >25 To 50, Deduct	-0.32	
	For >50 To 100, Deduct	-0.86	
	For >100 To 500, Deduct	-1.53	
	For >500 To 1,000, Deduct	-3.05	
	For >1,000, Deduct	-4.31	
21 13 13 00-0222	EA 3-7/32" Diameter x 15/16" Depth, Two Piece, 1/2" NPT, Push-On/Thread-Off Chrome Sprinkler Head Recessed Escutcheon .....	15.26	3.80
	For >25 To 50, Deduct	-0.32	
	For >50 To 100, Deduct	-1.08	
	For >100 To 500, Deduct	-2.07	
	For >500 To 1,000, Deduct	-3.82	
	For >1,000, Deduct	-5.09	
21 13 13 00-0223	EA 3-7/32" Diameter x 15/16" Depth, Two Piece, 1/2" NPT, Push-On/Thread-Off White Sprinkler Head Recessed Escutcheon .....	15.26	3.80
	For >25 To 50, Deduct	-0.32	
	For >50 To 100, Deduct	-1.08	
	For >100 To 500, Deduct	-2.07	
	For >500 To 1,000, Deduct	-3.82	
	For >1,000, Deduct	-5.09	
21 13 13 00-0224	EA 2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, Brass Sprinkler Head Escutcheon .....	6.10	2.78
	For >25 To 50, Deduct	-0.21	
	For >50 To 100, Deduct	-0.52	
	For >100 To 500, Deduct	-0.87	
	For >500 To 1,000, Deduct	-1.81	
	For >1,000, Deduct	-2.66	
21 13 13 00-0225	EA 2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, Chrome Sprinkler Head Escutcheon .....	5.51	2.78
	For >25 To 50, Deduct	-0.21	
	For >50 To 100, Deduct	-0.49	
	For >100 To 500, Deduct	-0.79	
	For >500 To 1,000, Deduct	-1.71	
	For >1,000, Deduct	-2.55	
21 13 13 00-0226	EA 2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, White Sprinkler Head Escutcheon .....	5.67	2.78
	For >25 To 50, Deduct	-0.21	
	For >50 To 100, Deduct	-0.49	
	For >100 To 500, Deduct	-0.81	
	For >500 To 1,000, Deduct	-1.74	
	For >1,000, Deduct	-2.58	
21 13 13 00-0227	EA 2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, Brass Sprinkler Head Escutcheon .....	6.21	2.78
	For >25 To 50, Deduct	-0.21	
	For >50 To 100, Deduct	-0.52	
	For >100 To 500, Deduct	-0.88	
	For >500 To 1,000, Deduct	-1.83	
	For >1,000, Deduct	-2.68	
21 13 13 00-0228	EA 2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, Chrome Sprinkler Head Escutcheon .....	5.62	2.78
	For >25 To 50, Deduct	-0.21	
	For >50 To 100, Deduct	-0.49	
	For >100 To 500, Deduct	-0.81	
	For >500 To 1,000, Deduct	-1.73	
	For >1,000, Deduct	-2.57	
21 13 13 00-0229	EA 2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, White Sprinkler Head Escutcheon .....	5.62	2.78
	For >25 To 50, Deduct	-0.21	
	For >50 To 100, Deduct	-0.49	
	For >100 To 500, Deduct	-0.81	
	For >500 To 1,000, Deduct	-1.73	
	For >1,000, Deduct	-2.57	
21 13 13 00-0230	EA 2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, Bright Brass Sprinkler Head Escutcheon .....	6.83	2.78
	For >25 To 50, Deduct	-0.21	
	For >50 To 100, Deduct	-0.55	
	For >100 To 500, Deduct	-0.96	
	For >500 To 1,000, Deduct	-1.95	
	For >1,000, Deduct	-2.79	
21 13 13 00-0231	EA 2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, Chrome Sprinkler Head Escutcheon .....	5.60	2.78
	For >25 To 50, Deduct	-0.21	
	For >50 To 100, Deduct	-0.49	
	For >100 To 500, Deduct	-0.81	
	For >500 To 1,000, Deduct	-1.72	
	For >1,000, Deduct	-2.57	
21 13 13 00-0232	EA 2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, White Sprinkler Head Escutcheon .....	5.60	2.78
	For >25 To 50, Deduct	-0.21	
	For >50 To 100, Deduct	-0.49	
	For >100 To 500, Deduct	-0.81	
	For >500 To 1,000, Deduct	-1.72	
	For >1,000, Deduct	-2.57	
21 13 13 00-0233	EA 3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Telescoping Escutcheon .....	9.20	3.90
	For >25 To 50, Deduct	-0.30	
	For >50 To 100, Deduct	-0.76	
	For >100 To 500, Deduct	-1.30	
	For >500 To 1,000, Deduct	-2.66	
	For >1,000, Deduct	-3.84	

**21 Fire Suppression**  
**21 10 Water-Based Fire-Suppression Systems**  
**21 13 Fire-Suppression Sprinkler Systems**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
21 13 13 00-0234	EA 3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Telescoping Escutcheon.....	8.88	3.90
	For >25 To 50, Deduct	-0.30	
	For >50 To 100, Deduct	-0.74	
	For >100 To 500, Deduct	-1.26	
	For >500 To 1,000, Deduct	-2.60	
	For >1,000, Deduct	-3.78	
21 13 13 00-0235	EA 3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, White Sprinkler Head Telescoping Escutcheon.....	8.98	3.90
	For >25 To 50, Deduct	-0.30	
	For >50 To 100, Deduct	-0.74	
	For >100 To 500, Deduct	-1.27	
	For >500 To 1,000, Deduct	-2.62	
	For >1,000, Deduct	-3.80	
21 13 13 00-0236	EA 3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Telescoping Escutcheon.....	9.31	3.90
	For >25 To 50, Deduct	-0.30	
	For >50 To 100, Deduct	-0.76	
	For >100 To 500, Deduct	-1.31	
	For >500 To 1,000, Deduct	-2.68	
	For >1,000, Deduct	-3.86	
21 13 13 00-0237	EA 3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Telescoping Escutcheon.....	8.98	3.90
	For >25 To 50, Deduct	-0.30	
	For >50 To 100, Deduct	-0.74	
	For >100 To 500, Deduct	-1.27	
	For >500 To 1,000, Deduct	-2.62	
	For >1,000, Deduct	-3.80	
21 13 13 00-0238	EA 3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, White Sprinkler Head Telescoping Escutcheon.....	9.20	3.90
	For >25 To 50, Deduct	-0.30	
	For >50 To 100, Deduct	-0.76	
	For >100 To 500, Deduct	-1.30	
	For >500 To 1,000, Deduct	-2.66	
	For >1,000, Deduct	-3.84	
21 13 13 00-0239	EA Flat Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head.....	19.15	3.80
	For >25 To 50, Deduct	-0.32	
	For >50 To 100, Deduct	-1.27	
	For >100 To 500, Deduct	-2.55	
	For >500 To 1,000, Deduct	-4.52	
	For >1,000, Deduct	-5.79	
21 13 13 00-0240	EA Flat White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head.....	19.15	3.80
	For >25 To 50, Deduct	-0.32	
	For >50 To 100, Deduct	-1.27	
	For >100 To 500, Deduct	-2.55	
	For >500 To 1,000, Deduct	-4.52	
	For >1,000, Deduct	-5.79	
21 13 13 00-0241	EA Conical Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head.....	19.15	3.80
	For >25 To 50, Deduct	-0.32	
	For >50 To 100, Deduct	-1.27	
	For >100 To 500, Deduct	-2.55	
	For >500 To 1,000, Deduct	-4.52	
	For >1,000, Deduct	-5.79	
21 13 13 00-0242	EA Conical White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head.....	19.15	3.80
	For >25 To 50, Deduct	-0.32	
	For >50 To 100, Deduct	-1.27	
	For >100 To 500, Deduct	-2.55	
	For >500 To 1,000, Deduct	-4.52	
	For >1,000, Deduct	-5.79	
21 13 13 00-0243	EA Chrome Sprinkler Head Escutcheon For Decorative Horizontal Sidewall Sprinkler Head.....	19.15	3.80
	For >25 To 50, Deduct	-0.32	
	For >50 To 100, Deduct	-1.27	
	For >100 To 500, Deduct	-2.55	
	For >500 To 1,000, Deduct	-4.52	
	For >1,000, Deduct	-5.79	
21 13 13 00-0244	EA White Sprinkler Head Escutcheon For Decorative Horizontal Sidewall Sprinkler Head.....	19.15	3.80
	For >25 To 50, Deduct	-0.32	
	For >50 To 100, Deduct	-1.27	
	For >100 To 500, Deduct	-2.55	
	For >500 To 1,000, Deduct	-4.52	
	For >1,000, Deduct	-5.79	
21 13 13 00-0245	EA 2-Piece Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head.....	22.08	3.80
	For >25 To 50, Deduct	-0.32	
	For >50 To 100, Deduct	-1.42	
	For >100 To 500, Deduct	-2.92	
	For >500 To 1,000, Deduct	-5.05	
	For >1,000, Deduct	-6.31	
21 13 13 00-0246	EA 2-Piece White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head.....	22.77	3.80
	For >25 To 50, Deduct	-0.32	
	For >50 To 100, Deduct	-1.45	
	For >100 To 500, Deduct	-3.00	
	For >500 To 1,000, Deduct	-5.17	
	For >1,000, Deduct	-6.44	

21 13 13 00-0247 Coverplate For Sprinkler Heads (21 13 13 00-0200)

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	21 13	13 00-0248	EA	Chrome Coverplate For Concealed Pendent Sprinkler Head .....	45.30	4.30
				For >25 To 50, Deduct	-0.36	
				For >50 To 100, Deduct	-2.62	
				For >100 To 500, Deduct	-5.84	
				For >500 To 1,000, Deduct	-9.37	
				For >1,000, Deduct	-10.80	
	21 13	13 00-0249	EA	White Coverplate For Concealed Pendent Sprinkler Head.....	22.03	4.30
				For >25 To 50, Deduct	-0.36	
				For >50 To 100, Deduct	-1.46	
				For >100 To 500, Deduct	-2.93	
				For >500 To 1,000, Deduct	-5.18	
				For >1,000, Deduct	-6.61	
	21 13	13 00-0250	EA	Specialty Coverplate For Concealed Pendent Sprinkler Head .....	32.12	4.30
				For >25 To 50, Deduct	-0.36	
				For >50 To 100, Deduct	-1.96	
				For >100 To 500, Deduct	-4.19	
				For >500 To 1,000, Deduct	-7.00	
				For >1,000, Deduct	-8.43	
	21 13	13 00-0251	EA	Brass Coverplate For Concealed Sidewall Sprinkler Head.....	29.50	4.30
				For >25 To 50, Deduct	-0.36	
				For >50 To 100, Deduct	-1.83	
				For >100 To 500, Deduct	-3.87	
				For >500 To 1,000, Deduct	-6.53	
				For >1,000, Deduct	-7.96	
	21 13	13 00-0252	EA	Chrome Coverplate For Concealed Sidewall Sprinkler Head .....	23.56	4.30
				For >25 To 50, Deduct	-0.36	
				For >50 To 100, Deduct	-1.54	
				For >100 To 500, Deduct	-3.12	
				For >500 To 1,000, Deduct	-5.46	
				For >1,000, Deduct	-6.89	
	21 13	13 00-0253	EA	White Coverplate For Concealed Sidewall Sprinkler Head.....	23.56	4.30
				For >25 To 50, Deduct	-0.36	
				For >50 To 100, Deduct	-1.54	
				For >100 To 500, Deduct	-3.12	
				For >500 To 1,000, Deduct	-5.46	
				For >1,000, Deduct	-6.89	
	21 13	13 00-0254	EA	Off-White Coverplate For Concealed Sidewall Sprinkler Head.....	29.50	4.30
				For >25 To 50, Deduct	-0.36	
				For >50 To 100, Deduct	-1.83	
				For >100 To 500, Deduct	-3.87	
				For >500 To 1,000, Deduct	-6.53	
				For >1,000, Deduct	-7.96	
	21 13	13 00-0255	EA	Black Painted Coverplate For Concealed Sidewall Sprinkler Head.....	29.50	4.30
				For >25 To 50, Deduct	-0.36	
				For >50 To 100, Deduct	-1.83	
				For >100 To 500, Deduct	-3.87	
				For >500 To 1,000, Deduct	-6.53	
				For >1,000, Deduct	-7.96	
	21 13	13 00-0256	EA	Black Plated Coverplate For Concealed Sidewall Sprinkler Head .....	34.21	4.30
				For >25 To 50, Deduct	-0.36	
				For >50 To 100, Deduct	-2.07	
				For >100 To 500, Deduct	-4.46	
				For >500 To 1,000, Deduct	-7.38	
				For >1,000, Deduct	-8.81	
	21 13	13 00-0257	EA	Bright Brass Coverplate For Concealed Sidewall Sprinkler Head.....	34.21	4.30
				For >25 To 50, Deduct	-0.36	
				For >50 To 100, Deduct	-2.07	
				For >100 To 500, Deduct	-4.46	
				For >500 To 1,000, Deduct	-7.38	
				For >1,000, Deduct	-8.81	
	21 13	13 00-0258	EA	Satin Chrome Coverplate For Concealed Sidewall Sprinkler Head.....	34.21	4.30
				For >25 To 50, Deduct	-0.36	
				For >50 To 100, Deduct	-2.07	
				For >100 To 500, Deduct	-4.46	
				For >500 To 1,000, Deduct	-7.38	
				For >1,000, Deduct	-8.81	
	21 13	13 00-0259	EA	Specialty Coverplate For Concealed Sidewall Sprinkler Head.....	29.53	4.30
				For >25 To 50, Deduct	-0.36	
				For >50 To 100, Deduct	-1.83	
				For >100 To 500, Deduct	-3.87	
				For >500 To 1,000, Deduct	-6.53	
				For >1,000, Deduct	-7.96	
	21 13	13 00-0260	EA	White Coverplate For Quick Release Concealed Sidewall Sprinkler Head.....	50.39	5.06
				For >25 To 50, Deduct	-0.42	
				For >50 To 100, Deduct	-2.94	
				For >100 To 500, Deduct	-6.51	
				For >500 To 1,000, Deduct	-10.50	
				For >1,000, Deduct	-12.19	
	21 13	13 00-0261		<b>Sprinkler Escutcheon Extension Tube</b> <small>(21 13 13 00-0200)</small>		
	21 13	13 00-0262	EA	2.18" Diameter x 4" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube .....	11.59	2.53
				Note: For use with 2 piece escutcheons		
				For >25 To 50, Deduct	-0.21	
				For >50 To 100, Deduct	-0.79	
				For >100 To 500, Deduct	-1.55	
				For >500 To 1,000, Deduct	-2.80	
				For >1,000, Deduct	-3.64	

**21 Fire Suppression****21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
21 13 13 00-0263	EA 2.18" Diameter x 6" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube.....	15.08	2.66
	Note: For use with 2 piece escutcheons		
	For >25 To 50, Deduct	-0.22	
	For >50 To 100, Deduct	-0.98	
	For >100 To 500, Deduct	-2.00	
	For >500 To 1,000, Deduct	-3.47	
	For >1,000, Deduct	-4.35	
21 13 13 00-0264	EA 2.18" Diameter x 8" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube.....	18.98	2.78
	Note: For use with 2 piece escutcheons		
	For >25 To 50, Deduct	-0.23	
	For >50 To 100, Deduct	-1.18	
	For >100 To 500, Deduct	-2.49	
	For >500 To 1,000, Deduct	-4.21	
	For >1,000, Deduct	-5.13	
21 13 13 00-0265	EA 2.18" Diameter x 10" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube.....	22.47	2.91
	Note: For use with 2 piece escutcheons		
	For >25 To 50, Deduct	-0.24	
	For >50 To 100, Deduct	-1.37	
	For >100 To 500, Deduct	-2.93	
	For >500 To 1,000, Deduct	-4.87	
	For >1,000, Deduct	-5.84	
<b>21 13 13 00-0266</b>	<b>Sprinkler Head Guards</b> <small>(21 13 13 00-0200)</small>		
21 13 13 00-0267	EA Universal Sprinkler Head Guard, C-1.....	17.35	7.59
	For >25 To 50, Deduct	-0.63	
	For >50 To 100, Deduct	-1.50	
	For >100 To 500, Deduct	-2.49	
	For >500 To 1,000, Deduct	-5.27	
	For >1,000, Deduct	-7.80	
21 13 13 00-0268	EA Dry Pendent Sprinkler Head Guard, C-2.....	19.16	7.59
	For >25 To 50, Deduct	-0.63	
	For >50 To 100, Deduct	-1.59	
	For >100 To 500, Deduct	-2.71	
	For >500 To 1,000, Deduct	-5.60	
	For >1,000, Deduct	-8.13	
21 13 13 00-0269	EA Upright Sprinkler Head Guard With Water Shield, C-3.....	22.26	7.59
	For >25 To 50, Deduct	-0.63	
	For >50 To 100, Deduct	-1.75	
	For >100 To 500, Deduct	-3.10	
	For >500 To 1,000, Deduct	-6.16	
	For >1,000, Deduct	-8.69	
21 13 13 00-0270	EA Pendent Sprinkler Head Guard With Water Shield, C-5.....	26.09	7.59
	For >25 To 50, Deduct	-0.63	
	For >50 To 100, Deduct	-1.94	
	For >100 To 500, Deduct	-3.58	
	For >500 To 1,000, Deduct	-6.85	
	For >1,000, Deduct	-9.38	
21 13 13 00-0271	EA Universal Sprinkler Head Guard, D-1.....	19.09	7.59
	For >25 To 50, Deduct	-0.63	
	For >50 To 100, Deduct	-1.59	
	For >100 To 500, Deduct	-2.70	
	For >500 To 1,000, Deduct	-5.59	
	For >1,000, Deduct	-8.12	
21 13 13 00-0272	EA Upright Sprinkler Head Guard With Water Shield, D-3.....	20.27	7.59
	For >25 To 50, Deduct	-0.63	
	For >50 To 100, Deduct	-1.65	
	For >100 To 500, Deduct	-2.85	
	For >500 To 1,000, Deduct	-5.80	
	For >1,000, Deduct	-8.33	
21 13 13 00-0273	EA Pendent Sprinkler Head Guard With Large Water Shield, D-4.....	29.04	7.59
	For >25 To 50, Deduct	-0.63	
	For >50 To 100, Deduct	-2.08	
	For >100 To 500, Deduct	-3.95	
	For >500 To 1,000, Deduct	-7.38	
	For >1,000, Deduct	-9.91	
21 13 13 00-0274	EA Pendent Sprinkler Head Guard With Small Water Shield, D-5.....	27.28	7.59
	For >25 To 50, Deduct	-0.63	
	For >50 To 100, Deduct	-2.00	
	For >100 To 500, Deduct	-3.73	
	For >500 To 1,000, Deduct	-7.06	
	For >1,000, Deduct	-9.59	
<b>21 13 13 00-0275</b>	<b>Flexible Sprinkler Piping</b> <small>(21 13 13 00-0011)</small>		
	Note: 1" Diameter stainless steel flexible pipe with either 1/2" or 3/4" outlet.		
21 13 13 00-0276	EA 2' Long Stainless Steel Flexible Sprinkler Piping.....	59.91	13.06
	Note: Includes ceiling mounting bracket.		
	For >25 To 50, Deduct	-1.32	
	For >50 To 100, Deduct	-4.31	
	For >100 To 500, Deduct	-8.15	
	For >500 To 1,000, Deduct	-15.26	
	For >1,000, Deduct	-20.53	
21 13 13 00-0277	EA 3' Long Stainless Steel Flexible Sprinkler Piping.....	66.42	13.48
	Note: Includes ceiling mounting bracket.		
	For >25 To 50, Deduct	-1.39	
	For >50 To 100, Deduct	-4.71	
	For >100 To 500, Deduct	-9.00	
	For >500 To 1,000, Deduct	-16.67	
	For >1,000, Deduct	-22.22	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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21 13 13 00-0278	EA		4' Long Stainless Steel Flexible Sprinkler Piping ..... 73.05	14.33	
			Note: Includes ceiling mounting bracket.		
			For >25 To 50, Deduct	-1.46	
			For >50 To 100, Deduct	-5.12	
			For >100 To 500, Deduct	-9.86	
			For >500 To 1,000, Deduct	-18.12	
			For >1,000, Deduct	-23.98	
21 13 13 00-0279	EA		5' Long Stainless Steel Flexible Sprinkler Piping ..... 79.89		15.17
			Note: Includes ceiling mounting bracket.		
			For >25 To 50, Deduct	-1.55	
			For >50 To 100, Deduct	-5.54	
			For >100 To 500, Deduct	-10.76	
			For >500 To 1,000, Deduct	-19.65	
			For >1,000, Deduct	-25.85	
21 13 13 00-0280	EA		6' Long Stainless Steel Flexible Sprinkler Piping ..... 86.93		16.86
			Note: Includes ceiling mounting bracket.		
			For >25 To 50, Deduct	-1.65	
			For >50 To 100, Deduct	-5.99	
			For >100 To 500, Deduct	-11.69	
			For >500 To 1,000, Deduct	-21.25	
			For >1,000, Deduct	-27.83	

**21 13 13 00-0281 Sprinkler Emergency Cabinets** (21 13 13 00-0011)

21 13 13 00-0282	EA		3 Capacity Emergency Sprinkler Cabinet, A4 ..... 87.22		
21 13 13 00-0283	EA		6 Capacity Emergency Sprinkler Cabinet, A4 ..... 91.43		
21 13 13 00-0284	EA		12 Capacity Emergency Sprinkler Cabinet, A4 ..... 97.30		
21 13 13 00-0285	EA		12 Capacity Emergency Sprinkler Cabinet, A3 ..... 307.03		
21 13 13 00-0286	EA		Sprinkler Wrench, RC1 ..... 149.08		
21 13 13 00-0287	EA		Sprinkler Wrench, FC ..... 148.50		
21 13 13 00-0288	EA		Sprinkler Wrench, W2 ..... 49.31		

**21 13 16 Dry-Pipe Sprinkler Systems** (21 13)

**21 13 16 00-0001 Complete Dry Pipe Sprinkler Systems** (21 13 16)

Note: Includes complete design per NFPA 13 and stamped shop drawings approved by a registered engineer. Includes all branch line piping (standard weight black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc. From riser pipe and mains. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. For sprinkler repairs or sprinkler head replacements use specific pipe, fittings, hangers, valves, and sprinkler head components. See CSI section 23 21 13 23-1367 for individual grooved pipe, 23 21 13 23-1440 for individual grooved pipe fittings.

**21 13 16 00-0002 Light Hazard, Dry-Pipe Sprinkler Systems** (21 13 16 00-0001)

21 13 16 00-0003	EA		Exposed Piping, Light Hazard, Dry-Pipe Sprinkler System, Per Head ..... 392.39		
			Note: Includes branch pipe and fittings, supports and sprinkler heads.		
			For Up To 5, Add	180.63	
			For >5 To 10, Add	98.41	
			For >10 To 20, Add	74.74	
			For >20 To 40, Add	31.45	
			For >100 To 150, Deduct	-39.24	
			For >150, Deduct	-78.48	
			For Copper Pipe, Add	47.02	
			For Polyvinyl Chloride (PVC) Pipe, Deduct	-66.64	
21 13 16 00-0004	EA		Concealed Piping, Light Hazard, Dry-Pipe Sprinkler System, Per Head ..... 490.70		
			Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
			For Up To 5, Add	228.39	
			For >5 To 10, Add	129.33	
			For >10 To 20, Add	97.23	
			For >20 To 40, Add	40.59	
			For >100 To 150, Deduct	-49.07	
			For >150, Deduct	-98.14	
			For Copper Pipe, Add	57.55	
			For Polyvinyl Chloride (PVC) Pipe, Deduct	-82.09	

**21 13 16 00-0005 Ordinary Hazard, Dry-Pipe Sprinkler Systems** (21 13 16 00-0001)

21 13 16 00-0006	EA		Exposed Piping, Ordinary Hazard, Dry-Pipe Sprinkler System, Per Head ..... 398.56		
			Note: Includes branch pipe and fittings, supports and sprinkler heads.		
			For Up To 5, Add	182.80	
			For >5 To 10, Add	98.29	
			For >10 To 20, Add	74.92	
			For >20 To 40, Add	31.62	
			For >100 To 150, Deduct	-39.86	
			For >150, Deduct	-79.71	
			For Copper Pipe, Add	48.10	
			For Polyvinyl Chloride (PVC) Pipe, Deduct	-68.03	
21 13 16 00-0007	EA		Concealed Piping, Ordinary Hazard, Dry-Pipe Sprinkler System, Per Head ..... 494.36		
			Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
			For Up To 5, Add	229.46	
			For >5 To 10, Add	128.73	
			For >10 To 20, Add	97.01	
			For >20 To 40, Add	40.58	
			For >100 To 150, Deduct	-49.44	
			For >150, Deduct	-98.87	
			For Copper Pipe, Add	58.29	
			For Polyvinyl Chloride (PVC) Pipe, Deduct	-83.01	

**21 Fire Suppression****21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0008			<b>Extra Hazard, Dry-Pipe Sprinkler Systems</b> <small>(21 13 16 00-0001)</small>		
21 13 16 00-0009	EA		Exposed Piping, Extra Hazard, Dry-Pipe Sprinkler System, Per Head .....	373.98	
			Note: Includes branch pipe and fittings, supports and sprinkler heads.		
			For Up To 5, Add	171.37	
			For >5 To 10, Add	91.85	
			For >10 To 20, Add	70.07	
			For >20 To 40, Add	29.59	
			For >100 To 150, Deduct	-37.40	
			For >150, Deduct	-74.80	
			For Copper Pipe, Add	45.21	
			For Polyvinyl Chloride (PVC) Pipe, Deduct	-63.91	
21 13 16 00-0010	EA		Concealed Piping, Extra Hazard, Dry-Pipe Sprinkler System, Per Head .....	460.19	
			Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
			For Up To 5, Add	213.62	
			For >5 To 10, Add	119.88	
			For >10 To 20, Add	90.33	
			For >20 To 40, Add	37.78	
			For >100 To 150, Deduct	-46.02	
			For >150, Deduct	-92.04	
			For Copper Pipe, Add	54.26	
			For Polyvinyl Chloride (PVC) Pipe, Deduct	-77.27	
21 13 16 00-0011			<b>Dry-Pipe Sprinkler System Equipment</b> <small>(21 13 16 00-0001)</small>		
21 13 16 00-0012	EA		Dry System Air Compressor, 3/4 HP With Alarm Valve Flange With Gauge .....	2,233.11	263.36
21 13 16 00-0013	EA		Dry System Air Compressor, 1 HP With Alarm Valve Flange With Gauge .....	2,334.98	263.36
21 13 16 00-0014	EA		Dry System Air Compressor, 1-1/2 HP With Alarm Valve Flange With Gauge .....	2,420.94	263.36
21 13 16 00-0015	EA		Dry System Air Compressor, 2 HP With Alarm Valve Flange With Gauge .....	2,755.22	263.36
21 13 16 00-0016			<b>Dry Pipe Sprinkler System Components</b> <small>(21 13 16)</small>		
			Note: Excludes hydraulic calculations.		
21 13 16 00-0017			<b>Dry Pipe Valves</b> <small>(21 13 16 00-0016)</small>		
			Note: Excludes trim package See CSI section 21 13 16 00-0022 for Dry Pipe Valve Trim.		
21 13 16 00-0018	EA		2-1/2" Dry Pipe Valve.....	2,723.07	109.08
21 13 16 00-0019	EA		3" Dry Pipe Valve.....	3,032.18	124.95
21 13 16 00-0020	EA		4" Dry Pipe Valve.....	3,390.13	212.22
21 13 16 00-0021	EA		6" Dry Pipe Valve.....	4,299.00	267.75
21 13 16 00-0022			<b>Dry Pipe Valve Trim</b> <small>(21 13 16 00-0016)</small>		
			Note: Includes gauges, pressure switch, air supply and drain lines.		
21 13 16 00-0023	EA		2-1/2" Dry Pipe Valve Trim.....	1,343.74	230.86
21 13 16 00-0024	EA		3" Dry Pipe Valve Trim.....	1,343.74	230.86
21 13 16 00-0025	EA		4" Dry Pipe Valve Trim.....	1,556.56	316.53
21 13 16 00-0026	EA		6" Dry Pipe Valve Trim.....	1,762.83	440.29
21 13 16 00-0027			<b>Recessed Pendent Dry Pipe Sprinkler Heads, Quick Response</b> <small>(21 13 16 00-0016)</small>		
21 13 16 00-0028	EA		3-1/2" To 5-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head .....	174.83	16.69
			For >25 To 50, Deduct	-2.53	
			For >50 To 100, Deduct	-11.27	
			For >100 To 500, Deduct	-23.12	
			For >500 To 1,000, Deduct	-40.07	
			For >1,000, Deduct	-50.18	
21 13 16 00-0029	EA		6" To 8-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	181.99	16.69
			For >25 To 50, Deduct	-2.53	
			For >50 To 100, Deduct	-11.63	
			For >100 To 500, Deduct	-24.01	
			For >500 To 1,000, Deduct	-41.36	
			For >1,000, Deduct	-51.47	
21 13 16 00-0030	EA		9" To 11-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	189.15	16.69
			For >25 To 50, Deduct	-2.53	
			For >50 To 100, Deduct	-11.99	
			For >100 To 500, Deduct	-24.91	
			For >500 To 1,000, Deduct	-42.64	
			For >1,000, Deduct	-52.76	
21 13 16 00-0031	EA		12" To 14-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	196.33	16.69
			For >25 To 50, Deduct	-2.53	
			For >50 To 100, Deduct	-12.35	
			For >100 To 500, Deduct	-25.81	
			For >500 To 1,000, Deduct	-43.94	
			For >1,000, Deduct	-54.05	
21 13 16 00-0032	EA		15" To 17-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	203.49	16.69
			For >25 To 50, Deduct	-2.53	
			For >50 To 100, Deduct	-12.70	
			For >100 To 500, Deduct	-26.70	
			For >500 To 1,000, Deduct	-45.23	
			For >1,000, Deduct	-55.34	
21 13 16 00-0033	EA		18" To 20-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	210.65	16.69
			For >25 To 50, Deduct	-2.53	
			For >50 To 100, Deduct	-13.06	
			For >100 To 500, Deduct	-27.60	
			For >500 To 1,000, Deduct	-46.51	
			For >1,000, Deduct	-56.63	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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21 13 16 00-0034	EA 21" To 23-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Dry Pipe Sprinkler Head .....	217.81	16.69
	For >25 To 50, Deduct	-2.53	
	For >50 To 100, Deduct	-13.42	
	For >100 To 500, Deduct	-28.49	
	For >500 To 1,000, Deduct	-47.80	
	For >1,000, Deduct	-57.92	
21 13 16 00-0035	EA 24" To 26-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head .....	224.99	16.69
	For >25 To 50, Deduct	-2.53	
	For >50 To 100, Deduct	-13.78	
	For >100 To 500, Deduct	-29.39	
	For >500 To 1,000, Deduct	-49.10	
	For >1,000, Deduct	-59.21	
21 13 16 00-0036	EA 27" To 29-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Dry Pipe Sprinkler Head .....	232.14	16.69
	For >25 To 50, Deduct	-2.53	
	For >50 To 100, Deduct	-14.14	
	For >100 To 500, Deduct	-30.28	
	For >500 To 1,000, Deduct	-50.38	
	For >1,000, Deduct	-60.50	
21 13 16 00-0037	EA 30" To 32-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head .....	239.31	16.69
	For >25 To 50, Deduct	-2.53	
	For >50 To 100, Deduct	-14.49	
	For >100 To 500, Deduct	-31.18	
	For >500 To 1,000, Deduct	-51.67	
	For >1,000, Deduct	-61.79	
21 13 16 00-0038	EA 33" To 35-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Dry Pipe Sprinkler Head .....	246.48	16.69
	For >25 To 50, Deduct	-2.53	
	For >50 To 100, Deduct	-14.85	
	For >100 To 500, Deduct	-32.07	
	For >500 To 1,000, Deduct	-52.96	
	For >1,000, Deduct	-63.08	
21 13 16 00-0039	EA 36" To 38-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head .....	253.64	16.69
	For >25 To 50, Deduct	-2.53	
	For >50 To 100, Deduct	-15.21	
	For >100 To 500, Deduct	-32.97	
	For >500 To 1,000, Deduct	-54.25	
	For >1,000, Deduct	-64.37	
21 13 16 00-0040	EA 39" To 41-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Dry Pipe Sprinkler Head .....	260.82	16.69
	For >25 To 50, Deduct	-2.53	
	For >50 To 100, Deduct	-15.57	
	For >100 To 500, Deduct	-33.87	
	For >500 To 1,000, Deduct	-55.54	
	For >1,000, Deduct	-65.66	
21 13 16 00-0041	EA 42" To 44-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head .....	267.97	16.69
	For >25 To 50, Deduct	-2.53	
	For >50 To 100, Deduct	-15.93	
	For >100 To 500, Deduct	-34.76	
	For >500 To 1,000, Deduct	-56.83	
	For >1,000, Deduct	-66.95	
21 13 16 00-0042	EA 45" To 48" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	275.14	16.69
	For >25 To 50, Deduct	-2.53	
	For >50 To 100, Deduct	-16.29	
	For >100 To 500, Deduct	-35.66	
	For >500 To 1,000, Deduct	-58.12	
	For >1,000, Deduct	-68.24	

**21 13 16 00-0043 Sidewall Dry Pipe Sprinkler Heads, Quick Response** (21 13 16 00-0016)

21 13 16 00-0044	EA 3-1/2" To 5-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head .....	173.10	16.69
	For >25 To 50, Deduct	-2.53	
	For >50 To 100, Deduct	-11.18	
	For >100 To 500, Deduct	-22.90	
	For >500 To 1,000, Deduct	-39.75	
	For >1,000, Deduct	-49.87	
21 13 16 00-0045	EA 6" To 8-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head .....	180.28	16.69
	For >25 To 50, Deduct	-2.53	
	For >50 To 100, Deduct	-11.54	
	For >100 To 500, Deduct	-23.80	
	For >500 To 1,000, Deduct	-41.05	
	For >1,000, Deduct	-51.16	
21 13 16 00-0046	EA 9" To 11-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head .....	187.46	16.69
	For >25 To 50, Deduct	-2.53	
	For >50 To 100, Deduct	-11.90	
	For >100 To 500, Deduct	-24.70	
	For >500 To 1,000, Deduct	-42.34	
	For >1,000, Deduct	-52.45	
21 13 16 00-0047	EA 12" To 14-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head .....	194.60	16.69
	For >25 To 50, Deduct	-2.53	
	For >50 To 100, Deduct	-12.26	
	For >100 To 500, Deduct	-25.59	
	For >500 To 1,000, Deduct	-43.62	
	For >1,000, Deduct	-53.74	
21 13 16 00-0048	EA 15" To 17-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head .....	201.77	16.69
	For >25 To 50, Deduct	-2.53	
	For >50 To 100, Deduct	-12.62	
	For >100 To 500, Deduct	-26.49	
	For >500 To 1,000, Deduct	-44.92	
	For >1,000, Deduct	-55.03	

**21 Fire Suppression**  
**21 10 Water-Based Fire-Suppression Systems**  
**21 13 Fire-Suppression Sprinkler Systems**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
21 13 16 00-0049	EA 18" To 20-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	208.92	16.69
	For >25 To 50, Deduct	-2.53	
	For >50 To 100, Deduct	-12.97	
	For >100 To 500, Deduct	-27.38	
	For >500 To 1,000, Deduct	-46.20	
	For >1,000, Deduct	-56.32	
21 13 16 00-0050	EA 21" To 23-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	216.11	16.69
	For >25 To 50, Deduct	-2.53	
	For >50 To 100, Deduct	-13.33	
	For >100 To 500, Deduct	-28.28	
	For >500 To 1,000, Deduct	-47.50	
	For >1,000, Deduct	-57.61	
21 13 16 00-0051	EA 24" To 26-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	223.27	16.69
	For >25 To 50, Deduct	-2.53	
	For >50 To 100, Deduct	-13.69	
	For >100 To 500, Deduct	-29.17	
	For >500 To 1,000, Deduct	-48.79	
	For >1,000, Deduct	-58.90	
21 13 16 00-0052	EA 27" To 29-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	230.42	16.69
	For >25 To 50, Deduct	-2.53	
	For >50 To 100, Deduct	-14.05	
	For >100 To 500, Deduct	-30.07	
	For >500 To 1,000, Deduct	-50.07	
	For >1,000, Deduct	-60.19	
21 13 16 00-0053	EA 30" To 32-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	237.58	16.69
	For >25 To 50, Deduct	-2.53	
	For >50 To 100, Deduct	-14.41	
	For >100 To 500, Deduct	-30.96	
	For >500 To 1,000, Deduct	-51.36	
	For >1,000, Deduct	-61.48	
21 13 16 00-0054	EA 33" To 35-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	244.76	16.69
	For >25 To 50, Deduct	-2.53	
	For >50 To 100, Deduct	-14.77	
	For >100 To 500, Deduct	-31.86	
	For >500 To 1,000, Deduct	-52.65	
	For >1,000, Deduct	-62.77	
21 13 16 00-0055	EA 36" To 38-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	251.92	16.69
	For >25 To 50, Deduct	-2.53	
	For >50 To 100, Deduct	-15.12	
	For >100 To 500, Deduct	-32.75	
	For >500 To 1,000, Deduct	-53.94	
	For >1,000, Deduct	-64.06	
21 13 16 00-0056	EA 39" To 41-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	273.42	16.69
	For >25 To 50, Deduct	-2.53	
	For >50 To 100, Deduct	-16.20	
	For >100 To 500, Deduct	-35.44	
	For >500 To 1,000, Deduct	-57.81	
	For >1,000, Deduct	-67.93	
21 13 16 00-0057	EA 42" To 44-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	280.59	16.69
	For >25 To 50, Deduct	-2.53	
	For >50 To 100, Deduct	-16.56	
	For >100 To 500, Deduct	-36.34	
	For >500 To 1,000, Deduct	-59.10	
	For >1,000, Deduct	-69.22	
21 13 16 00-0058	EA 45" To 48" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	283.45	16.69
	For >25 To 50, Deduct	-2.53	
	For >50 To 100, Deduct	-16.70	
	For >100 To 500, Deduct	-36.70	
	For >500 To 1,000, Deduct	-59.62	
	For >1,000, Deduct	-69.73	

**21 13 19 Preaction Sprinkler Systems (21 13)**

**21 13 19 00-0001 Complete Preaction Sprinkler Systems (21 13 19)**

Note: Includes complete design per NFPA 13 and stamped shop drawings approved by a registered engineer. Includes all branch line piping (standard weight black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc. From riser pipe and mains. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. See CSI section 23 21 13 23-1367 for individual grooved pipe, 23 21 13 23-1440 for individual grooved pipe fittings.

**21 13 19 00-0002 Ordinary Hazard, Preaction Sprinkler Systems (21 13 19 00-0001)**

21 13 19 00-0003	EA Exposed Piping, Ordinary Hazard, Preaction Sprinkler System, Per Head.....	375.58	
	Note: Includes branch pipe and fittings, supports and sprinkler heads.		
	For Up To 5, Add	173.61	
	For >5 To 10, Add	110.18	
	For >10 To 20, Add	72.62	
	For >20 To 40, Add	30.47	
	For >100 To 150, Deduct	-37.56	
	For >150, Deduct	-75.12	

**21 13 19 00-0004 Extra Hazard, Preaction Sprinkler Systems (21 13 19 00-0001)**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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21 13 19 00-0005	EA	Exposed Piping, Extra Hazard, Preaction Sprinkler System, Per Head.....	349.68	
		Note: Includes branch pipe and fittings, supports and sprinkler heads.		
		For Up To 5, Add	161.65	
		For >5 To 10, Add	102.61	
		For >10 To 20, Add	67.64	
		For >20 To 40, Add	28.37	
		For >100 To 150, Deduct	-34.97	
		For >150, Deduct	-69.94	

**21 13 26 Deluge Fire-Suppression Sprinkler Systems (21 13)**

21 13 26 00-0001		Deluge Fire-Suppression Sprinkler Systems Equipment (21 13 26)		
		See CSI section 23 21 13 23-0000 for pipe and fittings.		
21 13 26 00-0002		Deluge Valves With Required Trim And Release Equipment (21 13 26 00-0001)		
21 13 26 00-0003	EA	3" Deluge Valve With Trim And Release Equipment .....	5,869.88	468.31
21 13 26 00-0004	EA	4" Deluge Valve With Trim And Release Equipment .....	6,733.13	526.81
21 13 26 00-0005	EA	6" Deluge Valve With Trim And Release Equipment .....	8,321.40	766.28

**21 13 39 Foam-Water Systems (21 13)**

21 13 39 00-0001		Foam Control Valves And Monitors (21 13 39)		
21 13 39 00-0002		Control Valves (21 13 39 00-0001)		
21 13 39 00-0003	EA	3" Foam Control Valve.....	2,726.51	468.31
21 13 39 00-0004		Supply Valves (21 13 39 00-0001)		
21 13 39 00-0005	EA	2-1/2" Foam Supply Valve .....	2,445.80	526.81
21 13 39 00-0006		Proportioners (21 13 39 00-0001)		
21 13 39 00-0007	EA	8" Foam Proportioner.....	1,977.61	766.28
21 13 39 00-0008		Monitors (21 13 39 00-0001)		
21 13 39 00-0009	EA	Oscillating Foam Monitor .....	2,876.70	105.36

**21 13 41 Fire-Suppression Sprinkler Piping (21 13)**

See CSI section 23 21 13 23-0001 for threaded black steel piping, 23 21 13 23-0374 for welded black steel piping, 23 21 13 23-0769 for flanged black steel pipe fittings, 23 21 13 23-1367 for grooved pipe, 23 21 13 23-1440 for grooved pipe fittings, 33 14 13 13-0001 for ductile iron pipe and fittings.

21 13 41 00-0001		Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe (21 13 41)		
		Note: SDR 13.5		
21 13 41 00-0002		Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe (21 13 41 00-0001)		
21 13 41 00-0003	LF	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe .....	4.75	1.35
21 13 41 00-0004	LF	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe .....	5.74	1.43
21 13 41 00-0005	LF	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe .....	7.28	1.61
21 13 41 00-0006	LF	1-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe .....	8.97	1.77
21 13 41 00-0007	LF	2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe .....	11.63	1.94
21 13 41 00-0008	LF	2-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe .....	16.07	2.19
21 13 41 00-0009	LF	3" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe .....	22.57	2.62
21 13 41 00-0010		Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows, Fire Sprinkler Piping (21 13 41 00-0001)		
21 13 41 00-0011	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping .....	22.02	8.09
21 13 41 00-0012	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping .....	29.26	10.11
21 13 41 00-0013	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping .....	36.62	12.65
21 13 41 00-0014	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping .....	42.04	13.99
21 13 41 00-0015	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping .....	47.79	15.68
21 13 41 00-0016	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping .....	61.18	17.79
21 13 41 00-0017	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping .....	75.28	21.07
21 13 41 00-0018		Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows, Fire Sprinkler Piping (21 13 41 00-0001)		
21 13 41 00-0019	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping .....	22.65	8.09
21 13 41 00-0020	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping .....	28.25	10.11
21 13 41 00-0021	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping .....	35.86	12.65
21 13 41 00-0022	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping .....	40.81	13.99
21 13 41 00-0023	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping .....	46.27	15.68
21 13 41 00-0024	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping .....	57.34	17.79
21 13 41 00-0025	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping .....	71.06	21.07
21 13 41 00-0026		Chlorinated Polyvinyl Chloride (CPVC) Tees, Fire Sprinkler Piping (21 13 41 00-0001)		
21 13 41 00-0027	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping .....	32.76	12.14
21 13 41 00-0028	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping .....	42.89	15.25
21 13 41 00-0029	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping .....	54.75	19.05
21 13 41 00-0030	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping .....	63.20	21.07

**21 Fire Suppression****21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

21 13 41 00-0031	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping .....	74.39	23.43
21 13 41 00-0032	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping .....	92.30	26.72
21 13 41 00-0033	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping .....	109.05	31.52
<b>21 13 41 00-0034</b>		<b>Chlorinated Polyvinyl Chloride (CPVC) Reducing Tees, Fire Sprinkler Piping</b> <small>(21 13 41 00-0001)</small>		
21 13 41 00-0035	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping .....	39.56	14.24
21 13 41 00-0036	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping .....	51.82	17.79
21 13 41 00-0037	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping .....	58.13	19.64
21 13 41 00-0038	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping .....	69.24	21.92
21 13 41 00-0039	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping .....	82.16	24.95
21 13 41 00-0040	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping .....	96.61	29.41
<b>21 13 41 00-0041</b>		<b>Chlorinated Polyvinyl Chloride (CPVC) Crosses, Fire Sprinkler Piping</b> <small>(21 13 41 00-0001)</small>		
21 13 41 00-0042	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping .....	44.30	16.18
21 13 41 00-0043	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping .....	55.53	20.31
21 13 41 00-0044	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping .....	70.02	25.37
21 13 41 00-0045	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping .....	79.20	28.07
21 13 41 00-0046	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping .....	93.16	31.27
21 13 41 00-0047	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping .....	121.59	35.57
<b>21 13 41 00-0048</b>		<b>Chlorinated Polyvinyl Chloride (CPVC) Couplings, Fire Sprinkler Piping</b> <small>(21 13 41 00-0001)</small>		
21 13 41 00-0049	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping.....	15.20	5.39
21 13 41 00-0050	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping.....	20.35	7.25
21 13 41 00-0051	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping .....	27.03	9.52
21 13 41 00-0052	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping .....	30.96	10.53
21 13 41 00-0053	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping.....	35.65	11.72
21 13 41 00-0054	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping .....	43.04	13.32
21 13 41 00-0055	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping.....	52.04	15.77
<b>21 13 41 00-0056</b>		<b>Chlorinated Polyvinyl Chloride (CPVC) Caps, Fire Sprinkler Piping</b> <small>(21 13 41 00-0001)</small>		
21 13 41 00-0057	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping .....	7.78	2.70
21 13 41 00-0058	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping.....	12.35	4.38
21 13 41 00-0059	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping.....	14.26	4.72
21 13 41 00-0060	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping.....	16.41	5.22
21 13 41 00-0061	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping.....	19.59	5.90
21 13 41 00-0062	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping.....	23.79	6.66
21 13 41 00-0063	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping.....	31.24	7.92
<b>21 13 41 00-0064</b>		<b>Chlorinated Polyvinyl Chloride (CPVC) Reducer Bushing, Fire Sprinkler Piping</b> <small>(21 13 41 00-0001)</small>		
21 13 41 00-0065	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping.....	21.32	8.01
21 13 41 00-0066	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping .....	28.31	10.45
21 13 41 00-0067	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping .....	31.28	11.54
21 13 41 00-0068	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping.....	35.73	12.90
21 13 41 00-0069	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping .....	42.69	14.67
21 13 41 00-0070	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping.....	52.36	17.36
<b>21 13 41 00-0071</b>		<b>Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip x Female Pipe Thread, Fire Sprinkler Piping</b> <small>(21 13 41 00-0001)</small>		
21 13 41 00-0072	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip X Female Pipe Thread, Fire Sprinkler Piping .....	19.31	5.90
21 13 41 00-0073	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip X Female Pipe Thread, Fire Sprinkler Piping .....	24.71	8.01
<b>21 13 41 00-0074</b>		<b>Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping</b> <small>(21 13 41 00-0001)</small>		
21 13 41 00-0075	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping .....	19.31	5.90
21 13 41 00-0076	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping .....	24.71	8.01
<b>21 13 41 00-0077</b>		<b>Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping</b> <small>(21 13 41 00-0001)</small>		
21 13 41 00-0078	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping .....	22.37	7.25
21 13 41 00-0079	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping .....	28.67	9.10
21 13 41 00-0080	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 3/4" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping .....	29.95	9.10
<b>21 13 41 00-0081</b>		<b>Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping</b> <small>(21 13 41 00-0001)</small>		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 41 00-0082 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	36.66	12.14
21 13 41 00-0083 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	44.93	15.25
21 13 41 00-0084 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	58.91	19.05
21 13 41 00-0085 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	67.61	21.07
21 13 41 00-0086 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	79.75	23.43

## 21 20 Fire-Extinguishing Systems <sup>(21)</sup>

### 21 21 Carbon-Dioxide Fire-Extinguishing Systems <sup>(21 20)</sup>

#### 21 21 16 Carbon-Dioxide Fire-Extinguishing Equipment <sup>(21 21)</sup>

##### 21 21 16 00-0001 Carbon Dioxide Cylinders <sup>(21 21 16)</sup>

21 21 16 00-0002 EA Carbon Dioxide Simplex Cylinder, 75 LB.....	1,697.45	222.10
21 21 16 00-0003 EA Carbon Dioxide Duplex Cylinder, 75 LB (Each).....	3,394.92	444.20
21 21 16 00-0004 EA Carbon Dioxide Cylinder, Heat/Ion Detector, With Bracket.....	274.89	115.08
21 21 16 00-0005 EA Carbon Dioxide Cylinder, Dispersion Nozzle.....	119.45	40.58
21 21 16 00-0006 LF Carbon Dioxide Cylinder, 1/2" Rubber Tubing.....	32.92	16.45

### 21 22 Clean-Agent Fire-Extinguishing Systems <sup>(21 20)</sup>

#### 21 22 16 Clean-Agent Fire-Extinguishing Equipment <sup>(21 22)</sup>

##### 21 22 16 00-0001 Ansul Fire Control Systems <sup>(21 22 16)</sup>

##### 21 22 16 00-0002 Sapphire® Fire Suppression Systems <sup>(21 22 16 00-0001)</sup>

Note: ANSUL® SAPPHIRE® fire suppression systems use 3M™ Novec™ 1230 fire protection fluid for total flooding applications.

##### 21 22 16 00-0003 Cylinders, Sapphire® Fire Suppression Systems <sup>(21 22 16 00-0002)</sup>

21 22 16 00-0004 EA 20 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570635).....	1,489.88	75.72
Note: 10 to 21 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0005 EA 40 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570636).....	1,698.55	75.72
Note: 20 to 46 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0006 EA 80 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570637).....	1,725.98	75.72
Note: 41 to 80 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0007 EA 140 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570638).....	2,449.86	100.95
Note: 58 to 138 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0008 EA 280 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570639).....	2,587.80	100.95
Note: 116 to 280 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0009 EA 390 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570640).....	2,766.44	126.20
Note: 161 to 388 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0010 EA 450 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570641).....	2,934.63	126.20
Note: 194 to 459 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0011 EA 850 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570586).....	4,425.90	151.43
Note: 375 to 851 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0012 LB Sapphire Agent, Fire Protection Fluid, Factory Filled (Novec 1230).....	37.27	151.43
Note: Add to empty tank cost.		

##### 21 22 16 00-0013 Nozzles, Sapphire® Fire Suppression Systems <sup>(21 22 16 00-0002)</sup>

21 22 16 00-0014 EA 1/2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570515).....	142.71	12.62
21 22 16 00-0015 EA 3/4" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570516).....	146.26	12.62
21 22 16 00-0016 EA 1" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570517).....	155.17	12.62
21 22 16 00-0017 EA 1-1/4" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570518).....	161.40	12.62
21 22 16 00-0018 EA 1-1/2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570519).....	170.30	12.62
21 22 16 00-0019 EA 2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570520).....	196.99	12.62
21 22 16 00-0020 EA 1/2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570602).....	142.71	12.62
21 22 16 00-0021 EA 3/4" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570603).....	146.26	12.62
21 22 16 00-0022 EA 1" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570604).....	155.17	12.62
21 22 16 00-0023 EA 1-1/4" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570605).....	161.40	12.62
21 22 16 00-0024 EA 1-1/2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570606).....	170.30	12.62
21 22 16 00-0025 EA 2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570607).....	196.99	12.62

##### 21 22 16 00-0026 Actuation Attachments, Sapphire® Fire Suppression System <sup>(21 22 16 00-0002)</sup>

21 22 16 00-0027 EA 7/16-20 To 1/4" NPT, Male Actuation Elbow, Sapphire® Fire Suppression System (Ansul 31810).....	13.06	3.79
21 22 16 00-0028 EA 7/16-20 To 1/4" NPT, Male Actuation Tee, Sapphire® Fire Suppression System (Ansul 31811).....	14.59	3.79
21 22 16 00-0029 EA 1/4" NPT To 7/16-20, Male Actuation Connector, Sapphire® Fire Suppression System (Ansul 32338).....	20.17	8.84
21 22 16 00-0030 EA 16" Actuation Hose, Sapphire® Fire Suppression System (Ansul 73597).....	46.79	11.31
21 22 16 00-0031 EA 32" Actuation Hose, Sapphire® Fire Suppression System (Ansul 415142).....	68.88	11.31
21 22 16 00-0032 EA 42" Actuation Hose, Sapphire® Fire Suppression System (Ansul 430815).....	82.97	11.31
21 22 16 00-0033 EA 24", Stainless Steel, Swivel, Braided Actuation Hose, Sapphire® Fire Suppression System (Ansul 32336).....	41.70	11.31
21 22 16 00-0034 EA Pneumatic Actuator Shipping Assembly, Sapphire® Fire Suppression System (Ansul 570537).....	291.79	100.95
21 22 16 00-0035 EA Local Manual Actuator, Sapphire® Fire Suppression System (Ansul 570549).....	279.57	75.72
21 22 16 00-0036 EA Electric Actuator Shipping Assembly, Sapphire® Fire Suppression System (Ansul 570537).....	622.85	100.95

##### 21 22 16 00-0037 Nameplates, Sapphire® Fire Suppression Systems <sup>(21 22 16 00-0002)</sup>

**21 Fire Suppression**  
**21 20 Fire-Extinguishing Systems**  
**21 22 Clean-Agent Fire-Extinguishing Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
21 22 16 00-0038	EA	Warning Plate For Use Outside Room, Sapphire® Fire Suppression Systems (Ansul 570580)	46.60	12.62	
21 22 16 00-0039	EA	Warning Plate For Use Inside Room, Sapphire® Fire Suppression Systems (Ansul 570581)	50.61	12.62	
<b>21 22 16 00-0040</b>		<b>Cylinder Bracketing, Sapphire® Fire Suppression Systems (21 22 16 00-0002)</b>			
21 22 16 00-0041	EA	Tank Bracket Assembly For 20 LB, 40 LB, 50 LB, 80 LB And 90 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570085)	143.36	37.86	
21 22 16 00-0042	EA	Tank Bracket Assembly For 140 LB, 280 LB, 390 LB And 450 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570085)	151.36	37.86	
21 22 16 00-0043	EA	Tank Bracket Assembly For 850 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570336)	161.60	37.86	
<b>21 22 16 00-0044</b>		<b>Check Valves, Sapphire® Fire Suppression Systems (21 22 16 00-0002)</b>			
21 22 16 00-0045	EA	1" Manifold Check Valve, Sapphire® Fire Suppression Systems (Ansul 570566)	380.99	40.18	
21 22 16 00-0046	EA	2" Manifold Check Valve, Sapphire® Fire Suppression Systems (Ansul 570568)	535.96	68.95	
<b>21 22 16 00-0047</b>		<b>Discharge Hose, Sapphire® Fire Suppression Systems (21 22 16 00-0002)</b>			
21 22 16 00-0048	EA	1" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 570539)	120.78	25.24	
21 22 16 00-0049	EA	2" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 570538)	448.29	25.24	
21 22 16 00-0050	EA	3" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 69990)	377.97	25.24	
21 22 16 00-0051	EA	3" Discharge Hose And Check Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 69841)	1,650.71	100.95	
<b>21 22 16 00-0052</b>		<b>Swivel Adaptors, Sapphire® Fire Suppression Systems (21 22 16 00-0002)</b>			
21 22 16 00-0053	EA	1" Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 570557)	43.58	17.67	
21 22 16 00-0054	EA	2" Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 570558)	76.85	17.67	
21 22 16 00-0055	EA	3" Flare To 3" Grooved, Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 69471)	212.13	12.62	
21 22 16 00-0056	EA	3" Flare To 3" NPT, Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 69470)	274.43	12.62	
<b>21 22 16 00-0057</b>		<b>Pressure Switches, Sapphire® Fire Suppression Systems (21 22 16 00-0002)</b>			
21 22 16 00-0058	EA	Cylinder Low Pressure Switch, Sapphire® Fire Suppression Systems (Ansul 570585)	160.13	50.48	
21 22 16 00-0059	EA	Pressure Trip, Sapphire® Fire Suppression Systems (Ansul 5156)	158.98	21.20	
21 22 16 00-0060	EA	Weather Proof, DPST Pressure Switch, Sapphire® Fire Suppression Systems (Ansul 46250)	490.81	88.33	
<b>21 22 16 00-0061</b>		<b>Level Indicators, Sapphire® Fire Suppression Systems (21 22 16 00-0002)</b>			
21 22 16 00-0062	EA	Liquid Level Indicator For 280 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570277)	567.50	17.67	
21 22 16 00-0063	EA	Liquid Level Indicator For 390 LB And 850 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570278)	594.21	17.67	
21 22 16 00-0064	EA	Liquid Level Indicator For 450 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570589)	636.93	25.24	
<b>21 22 16 00-0065</b>		<b>Inspection/Maintenance Devices, Sapphire® Fire Suppression Systems (21 22 16 00-0002)</b>			
21 22 16 00-0066	EA	Master Tank Pilot Port Male Adaptor, Sapphire® Fire Suppression Systems (Ansul 570342)	44.52	15.15	
21 22 16 00-0067	EA	Cylinder Valve Pressure Gauge, Sapphire® Fire Suppression Systems (Ansul 570642)	55.70	17.67	
21 22 16 00-0068	EA	Recharge Top Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570579)	187.20	75.72	
21 22 16 00-0069	EA	1" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570576)	217.73	75.72	
21 22 16 00-0070	EA	2" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570592)	243.09	75.72	
21 22 16 00-0071	EA	3" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 69891)	324.97	75.72	
<b>21 22 16 00-0072</b>		<b>Replacement Parts, Sapphire® Fire Suppression Systems (21 22 16 00-0002)</b>			
21 22 16 00-0073	EA	O-Ring Kit, Sapphire® Fire Suppression Systems (Ansul 570559)	53.18	20.19	
21 22 16 00-0074	EA	Recoil Cap, Sapphire® Fire Suppression Systems (Ansul 570553)	86.20	12.62	
21 22 16 00-0075	EA	Burst Disc Assembly, Sapphire® Fire Suppression Systems (Ansul 570053)	116.79	25.24	
21 22 16 00-0076	EA	Bonnet Assembly, Sapphire® Fire Suppression Systems (Ansul 570543)	310.49	100.95	
21 22 16 00-0077	EA	Piston Assembly, Sapphire® Fire Suppression Systems (Ansul 570551)	466.22	100.95	
21 22 16 00-0078	EA	1" Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570535)	1,558.15	100.95	
<b>21 22 16 00-0079</b>		<b>Inergen® Fire Suppression System (21 22 16 00-0001)</b>			
<b>21 22 16 00-0080</b>		<b>Actuation Attachments, Inergen® Fire Suppression System (21 22 16 00-0079)</b>			
21 22 16 00-0081	EA	Flexible Discharge Bend For CV90 And CV98 (200 Bar), Inergen® Fire Suppression System (Ansul 427082)	168.39	25.00	
21 22 16 00-0082	EA	Metron Protractor Replacement Cartridges, Inergen® Fire Suppression System (Ansul 423958)	195.64	26.87	
21 22 16 00-0083	EA	Electric Actuator, Lever, CV98, Inergen® Fire Suppression System (Ansul 423309)	350.05	48.64	
21 22 16 00-0084	EA	Electric Actuator For CV90 Valve, Inergen® Fire Suppression System (Ansul 426876)	704.86	110.77	
<b>21 22 16 00-0085</b>		<b>Check Valves, Inergen® Fire Suppression System (21 22 16 00-0079)</b>			
21 22 16 00-0086	EA	2" Bronze Check Valve, Weld Neck Flange, Inergen® Fire Suppression System (Ansul 840794)	1,685.96	146.19	
<b>21 22 16 00-0087</b>		<b>Components, Inergen® Fire Suppression System (21 22 16 00-0079)</b>			
21 22 16 00-0088	EA	1/2" Manifold Relief Valve, Inergen® Fire Suppression System (Ansul 418378)	50.04	7.67	
21 22 16 00-0089	EA	Pressure Operated Siren, Inergen® Fire Suppression System (Ansul 419700)	587.92	82.15	
21 22 16 00-0090	EA	30 Second Pneumatic Time Delay, Inergen® Fire Suppression System (Ansul 54169)	1,830.25	257.02	
21 22 16 00-0091	EA	60 Second Time Delay, Inergen® Fire Suppression System (Ansul 426170)	1,745.56	261.84	
<b>21 22 16 00-0092</b>		<b>Cylinders, Inergen® Fire Suppression System (21 22 16 00-0079)</b>			
Note: Includes CV98 valve. Factory filled with Inergen agent.					





21	<b>21 Fire Suppression</b>
21	<b>21 20 Fire-Extinguishing Systems</b>
21	<b>21 22 Clean-Agent Fire-Extinguishing Systems</b>



MINOR				TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT	COST	UNIT	COST	
21 22 16 00-0158		Releasing Device Equipment, Inergen® Fire Suppression System <small>(21 22 16 00-0079)</small>					
21 22 16 00-0159	EA	12 Or 24 Volt DC, Assembly, Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 17728) .....		1,265.94		188.01	
21 22 16 00-0160	EA	24 Volt DC, Explosion Proof Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 31492) .....		1,800.64		250.53	
21 22 16 00-0161	EA	120 Volt AC, Explosion Proof Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 32525) .....		1,908.13		254.84	
21 22 16 00-0162	EA	Cocking Lever For Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 26310).....		89.34		12.96	
21 22 16 00-0163	EA	LT-30-R Nitrogen Cartridge, Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 5373).....		106.93		17.16	
21 22 16 00-0164	EA	Remote Actuator Booster With N2 Cartridge, Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 28939) .....		1,021.88		134.13	
21 22 16 00-0165		Replacement Orifice Plates, Inergen® Fire Suppression System <small>(21 22 16 00-0079)</small>					
21 22 16 00-0166	EA	1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418095) .....		111.59		12.73	
21 22 16 00-0167	EA	3/4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418096) .....		116.96		13.41	
21 22 16 00-0168	EA	1" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418097) .....		122.77		13.64	
21 22 16 00-0169	EA	1-1/4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418098) .....		131.69		14.10	
21 22 16 00-0170	EA	1-1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418099).....		137.11		15.46	
21 22 16 00-0171	EA	2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418100) .....		137.86		16.71	
21 22 16 00-0172	EA	2-1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426984).....		303.10		44.78	
21 22 16 00-0173	EA	3" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426985) .....		305.81		45.24	
21 22 16 00-0174	EA	4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426986) .....		392.02		57.97	
21 22 16 00-0175		Single Cylinder Bracketing, Inergen® Fire Suppression System <small>(21 22 16 00-0079)</small>					
21 22 16 00-0176	EA	Strap For 435 CF Cylinder, Single Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 427704) .....		142.79		21.11	
21 22 16 00-0177	EA	Channel For 435 CF Cylinder, Single Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 427705).....		197.41		48.26	
		Note: Includes saddle, padding and fasteners.					
21 22 16 00-0178		Single Mating Flanges, Flanged Manifold Orifices, Inergen® Fire Suppression System <small>(21 22 16 00-0079)</small>					
21 22 16 00-0179	EA	2-1/2" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426856) .....		369.95		31.20	
		Note: Includes gasket and fasteners.					
21 22 16 00-0180	EA	3" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426857) .....		312.99		46.59	
		Note: Includes gasket and fasteners.					
21 22 16 00-0181	EA	4" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426858) .....		640.91		312.56	
		Note: Includes gasket and fasteners.					
21 22 16 00-0182	EA	2-1/2" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426859) .....		196.23		29.14	
		Note: Includes gasket and fasteners.					
21 22 16 00-0183	EA	3" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426860).....		230.34		34.00	
		Note: Includes gasket and fasteners.					
21 22 16 00-0184	EA	4" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426861).....		636.42		312.56	
		Note: Includes gasket and fasteners.					
21 22 16 00-0185	EA	2-1/2" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426862) .....		204.32		30.52	
		Note: Includes gasket and fasteners.					
21 22 16 00-0186	EA	3" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426863) .....		239.35		35.57	
		Note: Includes gasket and fasteners.					
21 22 16 00-0187	EA	4" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426864) .....		658.66		312.56	
		Note: Includes gasket and fasteners.					
21 22 16 00-0188	EA	2-1/2" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426828) .....		39.69		2.32	
		Note: Includes a stainless steel inner ring and a carbon steel outer ring.					
21 22 16 00-0189	EA	3" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426829) .....		40.15		2.55	
		Note: Includes a stainless steel inner ring and a carbon steel outer ring.					
21 22 16 00-0190	EA	4" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426830) .....		43.27		3.01	
		Note: Includes a stainless steel inner ring and a carbon steel outer ring.					
21 22 16 00-0191		Upright And Feet, Cylinder Bracketing, Inergen® Fire Suppression System <small>(21 22 16 00-0079)</small>					
21 22 16 00-0192	EA	Center Upright Foot, Inergen® Fire Suppression System (Ansul 418508) .....		25.01		3.71	
21 22 16 00-0193	EA	Double Row, Back-To-Back Rows, Weigh Rail Support, Inergen® Fire Suppression System (Ansul 423027) .....		205.53		28.19	
21 22 16 00-0194	EA	85" High, Cylinder Bracketing For 425 CF And LC100 Cylinders, Inergen® Fire Suppression System (Ansul 426592) .....		153.94		28.19	
		Note: Includes upright, left, right and center.					
21 22 16 00-0195		Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0001)</small>					
21 22 16 00-0196		Accessory Switches, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0195)</small>					
21 22 16 00-0197	EA	Abort, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76495) .....		161.24		24.33	
21 22 16 00-0198	EA	Abort, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76494).....		183.27		27.73	
21 22 16 00-0199	EA	Main/Reserve, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76497).....		233.10		35.24	
21 22 16 00-0200	EA	Main/Reserve, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76496).....		251.07		37.96	
21 22 16 00-0201	EA	Maintenance, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76499) .....		314.42		47.75	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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21 22 16 00-0202	EA		Maintenance, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansl 76498) .....	334.63	50.70
21 22 16 00-0203	EA		Explosion Proof, Abort Switch, Autopulse® Fire Detection And Control Equipment (Ansl 65956).....	641.45	97.76
21 22 16 00-0204	EA		Single Gang, Surface Mount Back Box For Accessory Switches, Autopulse® Fire Detection And Control Equipment (Ansl 76490) .....	51.59	7.28
<b>21 22 16 00-0205 Alarm Devices, Autopulse® Fire Detection And Control Equipment (21 22 16 00-0195)</b>					
21 22 16 00-0206	EA		Selectable Candela Strobe, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansl 429698) .....	139.69	21.14
21 22 16 00-0207	EA		Sync Module, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansl 429699) .....	204.81	30.92
21 22 16 00-0208	EA		Back Box Extender Adapter, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansl 429702).....	18.68	2.82
<b>21 22 16 00-0209 Annunciators, Autopulse® Fire Detection And Control Equipment (21 22 16 00-0195)</b>					
21 22 16 00-0210	EA		80 Character LCD, Annunciator, LCD-80, Autopulse® Fire Detection And Control Equipment (Ansl 417492) .....	1,609.64	245.30
21 22 16 00-0211	EA		16 Zone Alarm/Trouble, Annunciator Control Module, ACM-16AT, Autopulse® Fire Detection And Control Equipment (Ansl 417496) .....	1,349.34	205.51
21 22 16 00-0212	EA		16 Zone Alarm/Trouble, Annunciator Expander Module, AEM-16AT, Autopulse® Fire Detection And Control Equipment (Ansl 417497) .....	1,047.48	159.59
21 22 16 00-0213	EA		32 Zone, Alarm Annunciator Expander Module, AEM-32A, Autopulse® Fire Detection And Control Equipment (Ansl 417500) .....	912.29	138.90
21 22 16 00-0214	EA		Annunciator Lamp Driver Control Module, LDM-32, Autopulse® Fire Detection And Control Equipment (Ansl 417501) .....	912.29	138.90
21 22 16 00-0215	EA		Annunciator Lamp Driver Expander Module, LDM-E32, Autopulse® Fire Detection And Control Equipment (Ansl 417502) .....	730.81	111.17
21 22 16 00-0216	EA		Annunciator Lamp Driver Relay Module, LDM-R32, Autopulse® Fire Detection And Control Equipment (Ansl 417650) .....	1,349.34	205.51
21 22 16 00-0217	EA		24", Annunciator Lamp Driver Cable, LDM-CBL24, Autopulse® Fire Detection And Control Equipment (Ansl 417651) .....	274.43	41.60
21 22 16 00-0218	EA		48", Annunciator Lamp Driver Cable, LDM-CBL48, Autopulse® Fire Detection And Control Equipment (Ansl 417652) .....	344.06	52.29
21 22 16 00-0219	EA		8 Relay, Annunciator Control Module, ACM-8R, Autopulse® Fire Detection And Control Equipment (Ansl 417653) .....	689.93	105.03
21 22 16 00-0220	EA		Key Switch, AKS-1 Annunciator Accessory, Autopulse® Fire Detection And Control Equipment (Ansl 417660) .....	116.56	17.61
21 22 16 00-0221	EA		Low Profile Annunciator Chassis, CHS-4L, Autopulse® Fire Detection And Control Equipment (Ansl 418576).....	158.56	24.33
21 22 16 00-0222	EA		Note: For up to 4 LDM modules. Flush, Single Annunciator Back Box, ABF-1, Autopulse® Fire Detection And Control Equipment (Ansl 417657).....	274.44	41.60
<b>21 22 16 00-0223 Autopulse IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (21 22 16 00-0195)</b>					
21 22 16 00-0224	EA		CHS-4 Chassis, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansl 419586) .....	213.44	33.87
21 22 16 00-0225	EA		REL 47K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansl 419639) .....	13.23	2.32
21 22 16 00-0226	EA		REL 4.7K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansl 419640) .....	91.13	2.82
21 22 16 00-0227	EA		REL 2.2K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansl 407765) .....	14.33	2.82
<b>21 22 16 00-0228 Autopulse IQ-396X Modules, Autopulse® Fire Detection And Control Equipment (21 22 16 00-0195)</b>					
21 22 16 00-0229	EA		Indicating Circuit Expander, IQ-396X Modules, ICE-4, Autopulse® Fire Detection And Control Equipment (Ansl 419564) .....	474.56	75.93
21 22 16 00-0230	EA		Control Relay Expander, IQ-396X Modules, CRE-4, Autopulse® Fire Detection And Control Equipment (Ansl 419566) .....	284.46	45.24
<b>21 22 16 00-0231 Batteries And Power Supplies, Autopulse® Fire Detection And Control Equipment (21 22 16 00-0195)</b>					
21 22 16 00-0232	EA		7 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansl 417692) .....	209.21	29.10
21 22 16 00-0233	EA		12 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansl 417693) .....	437.59	61.61
21 22 16 00-0234	EA		18 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansl 417694) .....	493.86	69.79
21 22 16 00-0235	EA		25 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansl 417695) .....	644.77	85.02
21 22 16 00-0236	EA		55 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansl 417997) .....	1,040.68	147.54
21 22 16 00-0237	EA		BB-17, Red Battery Box, Autopulse® Fire Detection And Control Equipment (Ansl 418578).....	155.85	23.42
21 22 16 00-0238	EA		BB-25, Grey Cabinet, Autopulse® Fire Detection And Control Equipment (Ansl 428079).....	278.49	42.28
21 22 16 00-0239	EA		Note: Holds six XP5 modules or 25AH battery pack. BB-55, Red Battery Box, Autopulse® Fire Detection And Control Equipment (Ansl 419410).....	566.41	86.16
21 22 16 00-0240	EA		Note: For mounting in BB-55 battery box. Battery Charger, CHG-120, Autopulse® Fire Detection And Control Equipment (Ansl 426207) .....	1,646.70	250.98
21 22 16 00-0241	EA		Note: For mounting in BB-55 battery box. 120 Volt AC, FCPS-24F, Red Remote Power Supply, Autopulse® Fire Detection And Control Equipment (Ansl 418563) .....	1,204.25	183.46
<b>21 22 16 00-0242 Intelligent Addressable Devices, Autopulse® Fire Detection And Control Equipment (21 22 16 00-0195)</b>					
21 22 16 00-0243	EA		Monitor Module, Intelligent Addressable Devices, FMM-1, Autopulse® Fire Detection And Control Equipment (Ansl 428097) .....	126.90	19.44
21 22 16 00-0244	EA		Mini Monitor Module, Intelligent Addressable Devices, FMM-101, Autopulse® Fire Detection And Control Equipment (Ansl 428098) .....	118.66	19.33
21 22 16 00-0245	EA		Isolator Module, Intelligent Addressable Devices, ISO-X, Autopulse® Fire Detection And Control Equipment (Ansl 417480) .....	161.01	27.73

21	<b>21</b>	<b>Fire Suppression</b>
	<b>21 20</b>	<b>Fire-Extinguishing Systems</b>
	<b>21 22</b>	<b>Clean-Agent Fire-Extinguishing Systems</b>



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
21 22 16 00-0246	EA	2-Wire Detector Monitor Module, Intelligent Addressable Devices, FZM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428100) .....	238.51	36.15
21 22 16 00-0247	EA	NAC Control Module, Intelligent Addressable Devices, FCM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428101) .....	185.57	29.32
21 22 16 00-0248	EA	Control Relay Module, Intelligent Addressable Devices, FRM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428102) .....	174.39	28.19
21 22 16 00-0249	EA	Flangeless, Analog Addressable Detector Base, Intelligent Addressable Devices, B501, Autopulse® Fire Detection And Control Equipment (Ansul 417487) .....	27.78	4.50
21 22 16 00-0250	EA	Analog Addressable Detector Base With Isolator, Intelligent Addressable Devices, B224BI, Autopulse® Fire Detection And Control Equipment (Ansul 426125) .....	102.43	15.91
21 22 16 00-0251	EA	Harsh Detector, Analog Addressable Detector Base, Intelligent Addressable Devices, B710HD, Autopulse® Fire Detection And Control Equipment (Ansul 427066) .....	102.40	15.46
21 22 16 00-0252	EA	HPX-751 Detector Filter Cover, Intelligent Addressable Devices, FR-FTX, Autopulse® Fire Detection And Control Equipment (Ansul 427067) .....	37.21	12.73
21 22 16 00-0253	EA	Low Profile Trim Ring, Intelligent Addressable Devices, F110, Autopulse® Fire Detection And Control Equipment (Ansul 428138) .....	9.41	1.41
		Note: Converts BX501 to low profile base.		
21 22 16 00-0254	EA	Relay Base, Intelligent Addressable Devices, B224RB, Autopulse® Fire Detection And Control Equipment (Ansul 423945) .....	98.57	14.89
21 22 16 00-0255	EA	EOL Power Supervision Relay, Intelligent Addressable Devices, Autopulse® Fire Detection And Control Equipment (Ansul 417699) .....	57.76	8.78
21 22 16 00-0256	EA	XP5 Modules Cabinet, Intelligent Addressable Devices, BB-XP, Autopulse® Fire Detection And Control Equipment (Ansul 428078) .....	156.27	23.19
21 22 16 00-0257	EA	BB-25 Chassis, Intelligent Addressable Devices, CHS-6, Autopulse® Fire Detection And Control Equipment (Ansul 428080) .....	81.74	12.27
<b>21 22 16 00-0258</b>		<b>Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (21 22 16 00-0195)</b>		
21 22 16 00-0259	EA	Break Rod Package For Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (Ansul 428661) .....	23.50	3.30
21 22 16 00-0260	EA	Key Pull Station For Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (Ansul 418336) .....	14.55	1.81
<b>21 22 16 00-0261</b>		<b>Transmitter/Relay Modules, Autopulse® Fire Detection And Control Equipment (21 22 16 00-0195)</b>		
21 22 16 00-0262	EA	Transmitter Module, 4XTM, Autopulse® Fire Detection And Control Equipment (Ansul 417470) .....	204.81	30.92
		Note: Includes municipal box and remote station connection.		
21 22 16 00-0263	EA	Relay/Transmitter Module With 8 Form C Relay Contacts, RTM-8, Autopulse® Fire Detection And Control Equipment (Ansul 417471) .....	615.53	88.89
21 22 16 00-0264	EA	Universal Digital Alarm COM/XMTR Module, UDACT, Autopulse® Fire Detection And Control Equipment (Ansul 419411) .....	1,175.97	179.14
21 22 16 00-0265	EA	Ferrite Core For Transmitter/Relay Modules, Autopulse® Fire Detection And Control Equipment (Ansul 419635) .....	31.35	4.64
<b>21 22 16 00-0266</b>		<b>Vesda® Aspirating Smoke Detection System (21 22 16 00-0001)</b>		
<b>21 22 16 00-0267</b>		<b>Batteries And Power Supplies, Vesda® Aspirating Smoke Detection System (21 22 16 00-0266)</b>		
21 22 16 00-0268	EA	Transformer Only, VSP-TRAN-120, Vesda® Aspirating Smoke Detection System (Ansul 430482) .....	159.17	21.83
21 22 16 00-0269	EA	Battery Cabinet, VBC-001, Vesda® Aspirating Smoke Detection System (Ansul 430379) .....	289.01	32.90
21 22 16 00-0270	EA	120 Volt AC, Single Zone Power Supply With Housing, VPS-100US-120, Vesda® Aspirating Smoke Detection System (Ansul 430374) .....	885.77	127.30
21 22 16 00-0271	EA	220 Volt AC, Single Zone Power Supply With Housing, VPS-100US-220, Vesda® Aspirating Smoke Detection System (Ansul 430375) .....	885.77	127.30
21 22 16 00-0272	EA	120 Volt AC, Multi Zone Power Supply, VPS-300US-120, Vesda® Aspirating Smoke Detection System (Ansul 430376) .....	1,330.84	190.96
		Note: Includes housing and battery cab.		
21 22 16 00-0273	EA	220 Volt AC, Multi Zone Power Supply, VPS-300US-220, Vesda® Aspirating Smoke Detection System (Ansul 430377) .....	1,330.84	190.96
		Note: Includes housing and battery cab.		
21 22 16 00-0274	EA	48 Volt DC, Multi Zone Power Supply With Housing, VPS-400US-48, Vesda® Aspirating Smoke Detection System (Ansul 430378) .....	1,941.11	243.25
<b>21 22 16 00-0275</b>		<b>Blank Plates, Vesda® Aspirating Smoke Detection System (21 22 16 00-0266)</b>		
21 22 16 00-0276	EA	Blank Plate Without VESDA Logo, VSP-300, Vesda® Aspirating Smoke Detection System (Ansul 430459) .....	28.56	4.09
21 22 16 00-0277	EA	Blank Plate With VESDA Logo, VSP-000, Vesda® Aspirating Smoke Detection System (Ansul 430458) .....	42.90	4.09
21 22 16 00-0278	EA	Blank Plate, EMC Painted Without Logo, VSP-200, Vesda® Aspirating Smoke Detection System (Ansul 430484) .....	62.42	7.73
21 22 16 00-0279	EA	Single Blank Plate, VRE-001, Vesda® Aspirating Smoke Detection System (Ansul 430446) .....	96.92	8.64
21 22 16 00-0280	EA	Double Blank Plate, VRE-002, Vesda® Aspirating Smoke Detection System (Ansul 430447) .....	122.44	17.28
21 22 16 00-0281	EA	Blank Plate Without FOK LED's And Logo, VSP-100, Vesda® Aspirating Smoke Detection System (Ansul 430480) .....	225.92	21.83
<b>21 22 16 00-0282</b>		<b>Detectors, Vesda® Aspirating Smoke Detection System (21 22 16 00-0266)</b>		
21 22 16 00-0283	EA	LaserPLUS, Detector Only, Enclosure, VLP-000, Vesda® Aspirating Smoke Detection System (Ansul 430350) .....	6,698.70	1,068.48
		Note: Includes 3 blank plates.		
21 22 16 00-0284	EA	LaserPLUS Detector, VLP-012, Vesda® Aspirating Smoke Detection System (Ansul 430354) .....	8,542.98	1,318.55
		Note: Includes centrally mounted LCD programmer module and standard display.		
21 22 16 00-0285	EA	LaserPLUS Detector, VLP-010, Vesda® Aspirating Smoke Detection System (Ansul 430356) .....	7,725.87	1,204.88
		Note: Includes centrally mounted LCD programmer.		
21 22 16 00-0286	EA	7-Relay Version, LaserSCANNER Detector Only, VLS-200, Vesda® Aspirating Smoke Detection System (Ansul 430357) .....	10,735.48	1,591.35
21 22 16 00-0287	EA	12-Relay Version, LaserSCANNER Detector Only, VLS-300, Vesda® Aspirating Smoke Detection System (Ansul 430358) .....	11,303.25	1,682.29



<b>21</b>	<b>21 Fire Suppression</b>	
	<b>21 20 Fire-Extinguishing Systems</b>	
	<b>21 22 Clean-Agent Fire-Extinguishing Systems</b>	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

21 22 16 00-0337	EA	Recessed Mounting Kit For VLP Or VLS Detector, VSP-011, Vesda® Aspirating Smoke Detection System (Ansul 430471) .....	352.72	47.75
21 22 16 00-0338	EA	Remote 19 Sub Rack With 4 Blank Plates, VSR-0000, Vesda® Aspirating Smoke Detection System (Ansul 430457) .....	853.05	68.20
21 22 16 00-0339	EA	Sub Rack Enclosure, VRE-100, Vesda® Aspirating Smoke Detection System (Ansul 430445) .....	1,260.57	150.04

**21 22 16 00-0340 Pipe And Fittings, Vesda® Aspirating Smoke Detection System (21 22 16 00-0266)**

21 22 16 00-0341	LF	3/4", Orange Chlorinated Polyvinyl Chloride (CPVC) Pipe, Vesda® Aspirating Smoke Detection System (Ansul 430491) .....	4.69	1.35
21 22 16 00-0342	EA	3/4", End Cap, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430497) .....	7.85	2.70
21 22 16 00-0343	EA	3/4", 45 Degree Elbow, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430494) .....	21.31	8.09
21 22 16 00-0344	EA	3/4", 90 Degree Elbow, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430493) .....	22.12	8.09
21 22 16 00-0345	EA	3/4", Coupling, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430495) .....	15.31	5.39
21 22 16 00-0346	EA	3/4", Union, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430496) .....	24.91	8.09
21 22 16 00-0347	EA	3/4", Tee, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430498) .....	32.86	12.14
21 22 16 00-0348	EA	3/4" x 1/2" FPT, Tee, Chlorinated Polyvinyl Chloride (CPVC), Vesda® Aspirating Smoke Detection System (Ansul 430499) .....	41.48	14.24
21 22 16 00-0349	LF	1/2" OD x 3/8" ID, Black Polyethylene Tubing, Vesda® Aspirating Smoke Detection System (Ansul 430500) .....	4.75	1.64
21 22 16 00-0350	EA	Pipe Adapters, Metric-To-Imperial, VSP-021, Vesda® Aspirating Smoke Detection System (Ansul 430479) .....	18.76	5.00
21 22 16 00-0351	EA	Capillary Kit, 1 Male 1/2" TH x 1/2" OD, 1 Female 1/2" OD, Plastic, E700-CAP KIT, Vesda® Aspirating Smoke Detection System (Ansul 430503) .....	22.64	3.64
21 22 16 00-0352	EA	Capillary Kit, 1 Male 1/2" TH x 1/2" OD, 1 Female 1/2" OD, Brass, Vesda® Aspirating Smoke Detection System (Ansul 430504) .....	32.44	5.00

**21 22 16 00-0353 Remote Termination And Relay Cards, Vesda® Aspirating Smoke Detection System (21 22 16 00-0266)**

21 22 16 00-0354	EA	VRT-500, Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430396) .....	1,474.58	174.60
Note: Remote box includes 7 relays for VLP/VLC.				
21 22 16 00-0355	EA	VN, Compact Termination Card, VSP-515, Vesda® Aspirating Smoke Detection System (Ansul 430490) .....	1,505.56	200.97
21 22 16 00-0356	EA	12-Relay, Remote Termination Card, VSP-208, Vesda® Aspirating Smoke Detection System (Ansul 430485) .....	911.42	122.76
21 22 16 00-0357	EA	RO, Compact Termination Card, VSP-510, Vesda® Aspirating Smoke Detection System (Ansul 430489) .....	1,041.24	138.67
21 22 16 00-0358	EA	VRT-501, Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430397) .....	1,474.58	174.60
Note: Remote box includes 7 relays for VLS.				
21 22 16 00-0359	EA	VRT-900 Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430398) .....	1,778.35	200.97
Note: Remote box includes 12 relays for VLS.				
21 22 16 00-0360	EA	Remote Termination Card Without Relay, VSP-007, Vesda® Aspirating Smoke Detection System (Ansul 430468) .....	504.99	61.83
21 22 16 00-0361	EA	Remote Termination Card (RTC7), VSP-008, Vesda® Aspirating Smoke Detection System (Ansul 430469) .....	759.72	94.57
21 22 16 00-0362	EA	7-Relay, Head Termination Card, VSP-014, Vesda® Aspirating Smoke Detection System (Ansul 430474) .....	1,432.75	195.51
21 22 16 00-0363	EA	12-Relay, Head Termination Card, VSP-016, Vesda® Aspirating Smoke Detection System (Ansul 430476) .....	2,101.83	286.44

**21 22 16 00-0364 Preferred® Low Pressure CO2 System (21 22 16 00-0001)**

**21 22 16 00-0365 Manual Pull Stations, Preferred® Low Pressure CO2 System (21 22 16 00-0364)**

21 22 16 00-0366	EA	Addressable, DPST, Dual Action Pull Station, Preferred® Low Pressure CO2 System (Ansul 428658) .....	113.51	15.91
Note: Excludes FMM-101.				
21 22 16 00-0367	EA	Weatherproof Backbox For Manual Pull Stations, Preferred® Low Pressure CO2 System (Ansul 428659) .....	84.90	11.82

**21 22 16 00-0368 Industrial Fire Control System (21 22 16 00-0001)**

**21 22 16 00-0369 Alarm Devices, Industrial Fire Control System (21 22 16 00-0368)**

21 22 16 00-0370	EA	Explosion Proof Alarm Horn, Alarm Devices, Industrial Fire Control System (Ansul 65947) .....	2,751.24	419.44
21 22 16 00-0371	EA	6", 115 Volt AC Alarm Bell For Release Systems, Alarm Devices, Industrial Fire Control System (Ansul 24751) .....	83.80	9.64
21 22 16 00-0372	EA	24 Volt AC, Multitone Horn, Alarm Devices, Industrial Fire Control System (Ansul 429697) .....	83.09	12.51
21 22 16 00-0373	EA	Weatherproof Surface Back Box For Horn And Strobe, Alarm Devices, Industrial Fire Control System (Ansul 429700) .....	49.50	7.50
21 22 16 00-0374	EA	Semi-Flush Plate, Alarm Devices, Industrial Fire Control System (Ansul 429701) .....	20.22	3.04

**21 22 16 00-0375 Manual Pull Stations, Industrial Fire Control System (21 22 16 00-0368)**

21 22 16 00-0376	EA	SPST, Dual Action Pull Station, Industrial Fire Control System (Ansul 428655) .....	93.81	13.18
21 22 16 00-0377	EA	DPST, Dual Action Pull Station, Industrial Fire Control System (Ansul 428656) .....	132.26	18.64
21 22 16 00-0378	EA	Explosion Proof, DPDT, Dual Action Pull Station, Industrial Fire Control System (Ansul 428657) .....	1,032.71	146.40
21 22 16 00-0379	EA	Surface Mounted Backbox For Manual Pull Stations, Industrial Fire Control System (Ansul 428660) .....	30.02	4.23
21 22 16 00-0380	EA	Extra Pull Station Labels For Manual Pull Stations, Industrial Fire Control System (Ansul 428654) .....	13.46	1.88

**21 22 16 00-0381 Marine Fire Control System (21 22 16 00-0001)**

**21 22 16 00-0382 Alarm Devices, Marine Fire Control System (21 22 16 00-0381)**

21 22 16 00-0383	EA	Weatherproof Surface Mount Back Box For Alarm Accessories, Alarm Devices, Marine Fire Control System (Ansul 24747) .....	54.40	7.64
21 22 16 00-0384	EA	6", 24 Volt DC, Alarm Bell, Alarm Devices, Marine Fire Control System (Ansul 417805) .....	100.33	14.77
21 22 16 00-0385	EA	10", 24 Volt DC, Alarm Bell, Alarm Devices, Marine Fire Control System (Ansul 417806) .....	100.33	14.77

MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

<b>21 22 16 00-0386 FM200 System Equipment (21 22 16)</b>		
21 22 16 00-0387	EA 26 LB Cylinder, Filled, For FM200 Fire Protection system.....	2,955.90
21 22 16 00-0388	EA 44 LB Cylinder, Filled, For FM200 Fire Protection system.....	109.67
21 22 16 00-0389	EA 63 LB Cylinder, Filled, For FM200 Fire Protection system.....	125.57
21 22 16 00-0390	EA 101 LB Cylinder, Filled, For FM200 Fire Protection system.....	5,022.84
21 22 16 00-0391	EA 196 LB Cylinder, Filled, For FM200 Fire Protection system.....	148.05
21 22 16 00-0392	EA Electro/Mechanical Release, For FM200 Fire Protection system.....	6,653.27
21 22 16 00-0393	EA Manual Pull Station, For FM200 Fire Protection system.....	175.47
21 22 16 00-0394	EA Pneumatic Damper Release, For FM200 Fire Protection system.....	10,389.76
21 22 16 00-0395	EA FM200 Gas.....	219.35
21 22 16 00-0396	EA Master Cylinder, For FM200 Fire Protection system.....	687.47
21 22 16 00-0397	EA Shuttle Check Valve, For FM200 Fire Protection system.....	219.35
21 22 16 00-0398	EA Flex Head Cylinder, For FM200 Fire Protection system.....	239.13
21 22 16 00-0399	EA Nozzles, For FM200 Fire Protection system.....	72.93
21 22 16 00-0400	EA Cylinder Support, For FM200 Fire Protection system.....	285.89
21 22 16 00-0401	EA Solenoid Valve, For FM200 Fire Protection system.....	54.84
21 22 16 00-0402	EA Battery Back-Up, For FM200 Fire Protection system.....	23.17
21 22 16 00-0403	EA Control Panel, Single Zone, For FM200 Fire Protection system.....	4,801.49
21 22 16 00-0404	EA Control Panel, Multi Zone, For FM200 Fire Protection system.....	59.00
21 22 16 00-0405	EA Smoke Or Heat Detector, For FM200 Fire Protection system.....	703.16
21 22 16 00-0406	EA Annunciator, For FM200 Fire Protection system.....	82.47
21 22 16 00-0407	EA Pressure Switch, For FM200 Fire Protection system.....	701.89
21 22 16 00-0408	EA Alarm Horn, For FM200 Fire Protection system.....	88.40
21 22 16 00-0409	EA Testing, For FM200 Fire Protection system.....	176.55
21 22 16 00-0410	EA Abort Switch, For FM200 Fire Protection system.....	31.26

**21 23 Wet-Chemical Fire-Extinguishing Systems (21 20)**

**21 23 16 Wet-Chemical Fire-Extinguishing Equipment (21 23)**

<b>21 23 16 00-0001 Kidde Fire Systems (21 23 16)</b>		
Note: Kidde or equal.		
<b>21 23 16 00-0002 Cylinders And Hardware (21 23 16 00-0001)</b>		
21 23 16 00-0003	EA 125 Cylinder And Valve Assembly With 1.25 Gallon Of Wet Agent.....	1,041.01
21 23 16 00-0004	EA 260 Cylinder And Valve Assembly With 2.6 Gallon Of Wet Agent.....	90.86
21 23 16 00-0005	EA 400S And M Cylinder And Valve Assembly With 4 Gallon Of Wet Agent.....	113.17
21 23 16 00-0006	EA 600 And L Cylinder And Valve Assembly With 6 Gallon Of Wet Agent.....	1,460.56
21 23 16 00-0007	EA Discharge Adapter Kit (One Required Per Cylinder).....	139.62
21 23 16 00-0008	EA System Valve Actuator.....	1,724.39
21 23 16 00-0009	EA Vent Plug.....	165.67
21 23 16 00-0010	EA Gauge Shield.....	58.50
21 23 16 00-0011	EA 125 Cylinder Wall Mounting Bracket.....	4.75
21 23 16 00-0012	EA 260 Cylinder Wall Mounting Bracket.....	209.33
21 23 16 00-0013	EA 400S And M Cylinder Wall Mounting Bracket.....	39.15
21 23 16 00-0014	EA 600 And 400M Cylinder Shelf Bracket.....	78.76
21 23 16 00-0015	EA 600 And 400M Cylinder Floor Mounting Kit.....	107.72
21 23 16 00-0016	EA 125 And 260 Cylinder Replacement Bracket Strap.....	107.72
21 23 16 00-0017	EA 400 And 600 Cylinder Replacement Bracket Strap.....	114.19

<b>21 23 16 00-0018 Nozzles And Accessories (21 23 16 00-0001)</b>		
21 23 16 00-0019	EA ADP, F, GRW Or R Nozzle.....	96.53
21 23 16 00-0020	EA LPF Or DM Nozzle.....	9.29
21 23 16 00-0021	EA LPR Nozzle.....	105.28
21 23 16 00-0022	EA 3/8" Swivel Adapter For Nozzles.....	123.30
21 23 16 00-0023	EA Removal And Replacement Of Nozzle Seals.....	9.29
21 23 16 00-0024	EA Chrome Nozzle Disc Cap.....	72.59
21 23 16 00-0025	EA LPR Nozzle Disc Cap.....	6.56

<b>21 23 16 00-0026 Control Systems (21 23 16 00-0001)</b>		
21 23 16 00-0027	EA XV Control System.....	976.31
Note: Includes (1) SVA, (1) system cartridge, (1) test cartridge, (1) EMT connector kit, (1) SPDT microswitch kit, and (1) SPDT microswitch kit.		
21 23 16 00-0028	EA 7-1/2" High Pressure Hose (Required for cylinder mounted XV Control System).....	60.57
21 23 16 00-0029	EA 24" High Pressure Hose.....	83.78
21 23 16 00-0030	EA 60" High Pressure Hose.....	98.84
21 23 16 00-0031	EA XV Solenoid Kit (Electric Actuator), 24 Volt DC.....	132.31
21 23 16 00-0032	EA XV Microswitch Kit, SPDT.....	192.67
21 23 16 00-0033	EA XV Microswitch Kit, SPDT, Terminal Type, For Alarm/Release.....	20.19
21 23 16 00-0034	EA EMT Connector Kit (EMT Connector And O-Ring).....	64.16
21 23 16 00-0035	EA KRS-50 Control Box Assembly.....	9.49
Note: Includes (1) SVA, (2) CO2 cartridges, (2) set screws, (1) grommet, (1) cover label, and (1) exhaust fan caution label.		
21 23 16 00-0036	EA SPDT Microswitch For KRS-50.....	69.18
21 23 16 00-0037	EA DPDT Microswitch For KRS-50.....	28.54
21 23 16 00-0038	EA SPDT Pressure Switch (Fire Department Tie-In).....	7.57

<b>21 23 16 00-0039 Mechanical Actuation Components (21 23 16 00-0001)</b>		
21 23 16 00-0040	EA Universal Detector Link Housing Kit, Mechanical Actuation Systems.....	60.03
Note: Includes (1) bracket (11-3/4"), (2) "S" hook, and (2) cable crimp sleeves.		
		15.15





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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21 23 16 00-0111	EA	280 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551524).....	18.41	2.22
21 23 16 00-0112	EA	360 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551525).....	18.00	2.22
21 23 16 00-0113	EA	450 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551526).....	18.00	2.22
21 23 16 00-0114	EA	500 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551527).....	19.49	2.22
21 23 16 00-0115	EA	Fusible Link Kit With 10" Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550131).....	31.17	3.74
21 23 16 00-0116	EA	Fusible Link Kit With 8" Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550132).....	40.48	4.95
21 23 16 00-0117	EA	Fusible Link Hanger, Kitchen Fire Suppression Systems (Pyro-Chem 550876).....	57.43	25.54
21 23 16 00-0118	EA	225 To 600 Fahrenheit, Electrical Thermal Detector, Kitchen Fire Suppression Systems (Pyro-Chem 13970-6).....	393.25	56.84
<b>21 23 16 00-0119 Gas Valves, Kitchen Fire Suppression Systems (21 23 16 00-0100)</b>				
21 23 16 00-0120	EA	3/4" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550593).....	318.11	21.81
21 23 16 00-0121	EA	1" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550594).....	363.16	26.86
21 23 16 00-0122	EA	1-1/4" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550595).....	393.98	33.92
21 23 16 00-0123	EA	1-1/2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550596).....	434.06	38.97
21 23 16 00-0124	EA	2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 551049).....	499.81	46.04
21 23 16 00-0125	EA	2-1/2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550185).....	1,148.06	67.34
21 23 16 00-0126	EA	3" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550186).....	1,227.54	77.93
21 23 16 00-0127	EA	3/4" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550358).....	251.53	21.81
21 23 16 00-0128	EA	1" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550359).....	424.74	26.86
21 23 16 00-0129	EA	1-1/4" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550360).....	445.57	33.92
21 23 16 00-0130	EA	1-1/2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550361).....	507.27	38.97
21 23 16 00-0131	EA	2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550362).....	699.51	46.04
21 23 16 00-0132	EA	2-1/2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550363).....	1,344.42	67.34
21 23 16 00-0133	EA	3" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 17643).....	1,420.60	77.93
<b>21 23 16 00-0134 Nozzles, Kitchen Fire Suppression Systems (21 23 16 00-0100)</b>				
21 23 16 00-0135	EA	Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem).....	64.39	7.47
21 23 16 00-0136	EA	Swivel Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem).....	90.99	9.49
21 23 16 00-0137	EA	Stainless Steel Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem).....	340.54	9.49
<b>21 23 16 00-0138 Actuating Cylinders/Cartridges, Kitchen Fire Suppression Systems (21 23 16 00-0100)</b>				
21 23 16 00-0139	EA	Carbon Dioxide Actuation Cartridge, Kitchen Fire Suppression Systems (Pyro-Chem 551059).....	23.83	2.92
21 23 16 00-0140	EA	PAC-10, Pneumatic Actuating Cylinder, Kitchen Fire Suppression Systems (Pyro-Chem 550104).....	780.43	94.79
21 23 16 00-0141	EA	PAC-200, Pneumatic Actuating Cylinder, Kitchen Fire Suppression Systems (Pyro-Chem 550690).....	994.63	121.25
<b>21 23 16 00-0142 Circuit Monitors, Kitchen Fire Suppression Systems (21 23 16 00-0100)</b>				
21 23 16 00-0143	EA	24 Volt DC, System Circuit Monitor/Gas Valve Reset Relay, Kitchen Fire Suppression Systems (Pyro-Chem 550303).....	510.19	62.09
21 23 16 00-0144	EA	120 Volt AC, System Circuit Monitor/Gas Valve Reset Relay, Kitchen Fire Suppression Systems (Pyro-Chem 550302).....	615.59	74.81
<b>21 23 16 00-0145 Control Heads, Kitchen Fire Suppression Systems (21 23 16 00-0100)</b>				
21 23 16 00-0146	EA	Mechanical Control Head, No Local Action, Kitchen Fire Suppression Systems (Pyro-Chem 551203).....	562.88	68.45
21 23 16 00-0147	EA	Mechanical Control Head With Local Action, Kitchen Fire Suppression Systems (Pyro-Chem 551200).....	587.57	71.57
21 23 16 00-0148	EA	24 Volt DC, Electrical Control Head With Local Actuation, Kitchen Fire Suppression Systems (Pyro-Chem 551201).....	765.28	93.08
21 23 16 00-0149	EA	120 Volt AC Electrical Control Head With Local Actuation, Kitchen Fire Suppression Systems (Pyro-Chem 551202).....	877.98	107.01
21 23 16 00-0150	EA	Control Head Mounting Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550853).....	71.31	8.69
<b>21 23 16 00-0151 Corner Pulleys/Tees, Kitchen Fire Suppression Systems (21 23 16 00-0100)</b>				
21 23 16 00-0152	EA	Set Screw Type, Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 415670).....	17.55	1.41
21 23 16 00-0153	EA	Compression Type, Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 423250).....	18.19	1.81
21 23 16 00-0154	EA	Tee Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 550166).....	57.18	6.96
21 23 16 00-0155	EA	Removal And Replacement Of Screw For Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 550272).....	0.75	
<b>21 23 16 00-0156 Switches, Kitchen Fire Suppression Systems (21 23 16 00-0100)</b>				
21 23 16 00-0157	EA	SPDT Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550227).....	62.17	7.57
21 23 16 00-0158	EA	DPDT Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550237).....	124.52	15.05
21 23 16 00-0159	EA	Four Pole Double Throw Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550978).....	263.50	31.91
<b>21 23 16 00-0160 Wire Rope/Accessories, Kitchen Fire Suppression Systems (21 23 16 00-0100)</b>				
21 23 16 00-0161	LF	1/16" Diameter Stainless Steel Wire Rope, Kitchen Fire Suppression Systems (Pyro-Chem 15821).....	1.31	0.30
21 23 16 00-0162	EA	Crimps For 1/16" Diameter Stainless Steel Wire Rope, Kitchen Fire Suppression Systems (Pyro-Chem 550122).....	0.83	0.30
21 23 16 00-0163	EA	High Temperature Stainless Steel Crimps, Kitchen Fire Suppression Systems (Pyro-Chem 551551).....	3.09	0.40
21 23 16 00-0164	EA	"S" Hooks, Kitchen Fire Suppression Systems (Pyro-Chem 550121).....	0.57	
<b>21 23 16 00-0165 Replacement Parts, Kitchen Fire Suppression Systems (21 23 16 00-0100)</b>				
21 23 16 00-0166	EA	Wet Valve Rebuilding Kit, Kitchen Fire Suppression Systems (Pyro-Chem 550698).....	59.10	7.27
21 23 16 00-0167	EA	Wet Valve Cap With Schrader Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550831).....	61.70	7.57
21 23 16 00-0168	EA	Wet Spring, Kitchen Fire Suppression Systems (Pyro-Chem 550705).....	7.22	0.91
21 23 16 00-0169	EA	225 psi, Wet Gage, Kitchen Fire Suppression Systems (Pyro-Chem 551236).....	84.63	9.90
21 23 16 00-0170	EA	Wet Valve O-ring, Kitchen Fire Suppression Systems (Pyro-Chem 550716).....	11.89	1.41
21 23 16 00-0171	EA	Wet Piston, Kitchen Fire Suppression Systems (Pyro-Chem 550707).....	16.55	2.02
21 23 16 00-0172	EA	Wet Piston O-Ring, Kitchen Fire Suppression Systems (Pyro-Chem 550715).....	7.22	0.91

**21 Fire Suppression****21 20 Fire-Extinguishing Systems****21 23 Wet-Chemical Fire-Extinguishing Systems**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

21 23 16 00-0173	EA	Wet Nozzle Cap, Kitchen Fire Suppression Systems (Pyro-Chem 551528).....	10.19	1.21
21 23 16 00-0174	EA	Wet Nozzle Strainer, Kitchen Fire Suppression Systems (Pyro-Chem 551529).....	9.96	1.21
21 23 16 00-0175	EA	Wet Nozzle Cap O-Ring, Kitchen Fire Suppression Systems (Pyro-Chem 551530).....	2.85	0.30
21 23 16 00-0176	EA	Removal And Replacement Of Teflon Washer For Control Head Actuator, Kitchen Fire Suppression Systems (Pyro-Chem 550257).....	4.82	
21 23 16 00-0177	EA	O-Ring Lubrication, Kitchen Fire Suppression Systems (Pyro-Chem 550063).....	92.18	
21 23 16 00-0178	EA	3.0 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 551024).....	623.79	
21 23 16 00-0179	EA	4.6 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 550902).....	811.79	
21 23 16 00-0180	EA	6.0 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 550901).....	938.63	

**21 23 16 00-0181 Accessories, Kitchen Fire Suppression Systems (21 23 16 00-0100)**

21 23 16 00-0182	EA	3/8" Quickseal Adapter, Kitchen Fire Suppression Systems (Pyro-Chem 550857).....	28.92	3.44
21 23 16 00-0183	EA	1/2" Quickseal Adapter, Kitchen Fire Suppression Systems (Pyro-Chem 550859).....	29.96	3.64
21 23 16 00-0184	EA	Wet Valve Tool, Kitchen Fire Suppression Systems (Pyro-Chem 550788).....	57.68	6.96
21 23 16 00-0185	EA	Recharge Adapter Kit, Kitchen Fire Suppression Systems (Pyro-Chem 551240).....	81.63	
21 23 16 00-0186	EA	3.0 Gallon Of Wet Chemical For Recharge, Kitchen Fire Suppression Systems (Pyro-Chem 551188).....	175.46	

**21 23 16 00-0187 Pull Stations/Accessories, Kitchen Fire Suppression Systems (21 23 16 00-0100)**

21 23 16 00-0188	EA	Mechanical, Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 551074).....	116.61	14.23
21 23 16 00-0189	EA	Electric, Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 551166).....	126.56	19.98
21 23 16 00-0190	EA	Trim Ring For Flush Mounting Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 550088).....	31.17	3.74
21 23 16 00-0191	EA	Glass Rods For Pull Stations, Kitchen Fire Suppression Systems (Pyro-Chem 428661).....	4.46	1.31

**21 23 16 00-0192 Asco Gas Valve Control Panels (21 23 16)**

21 23 16 00-0193	EA	Relay Control Panel For AC Solenoid Valves (Asco 108D90C).....	2,099.66	222.10
21 23 16 00-0194	EA	Relay Control Panel For DC Solenoid Valves (Asco 108D10C).....	2,168.39	222.10
21 23 16 00-0195	EA	Master Control Station For Relay Control Panel For DC Solenoid Valves (Asco 216C89).....	702.14	50.48
21 23 16 00-0196	EA	Emergency Stop Station For Relay Control Panel (Asco 173A19).....	657.24	50.48

**21 24 Dry-Chemical Fire-Extinguishing Systems (21 20)****21 24 16 Dry-Chemical Fire-Extinguishing Equipment (21 24)****21 24 16 00-0001 Amerex KP Restaurant Fire Suppression Systems (21 24 16)**

Note: Amerex or equal.

21 24 16 00-0002	EA	3.75 Gallon, Charged, Agent Cylinder Assembly With Discharge Valve.....	641.35	78.35
21 24 16 00-0003	EA	6 Gallon, Charged, Agent Cylinder Assembly With Discharge Valve.....	897.45	98.77
21 24 16 00-0004	EA	Recharge - KP Liquid Agent (3.75 Gallon).....	213.15	
21 24 16 00-0005	EA	Recharge - KP Liquid Agent (6 Gallon).....	374.69	
21 24 16 00-0006	EA	3.75 Gallon, Bracket Assembly Agent Cylinder With Distribution Hose Assembly And Distribution Outlet.....	149.21	16.44
21 24 16 00-0007	EA	6 Gallon, Bracket Assembly Agent Cylinder.....	86.92	9.54
21 24 16 00-0008	EA	6 Gallon, 3/4 NPT, Agent Cylinder Discharge Adapter Kit.....	37.69	
21 24 16 00-0009	EA	6 Gallon, Pneumatic Actuator, Agent Cylinder.....	149.21	16.44
21 24 16 00-0010	EA	MRM Actuator (Less N2 Cylinder And Enclosure).....	374.69	41.22
21 24 16 00-0011	EA	Painted Steel, MRM Enclosure.....	199.69	21.93
21 24 16 00-0012	EA	Stainless Steel, MRM Enclosure.....	245.19	21.93
21 24 16 00-0013	EA	Stainless Steel, Single Cylinder System Cabinet.....	594.57	65.44
21 24 16 00-0014	EA	N2 - 1/4" x 16" Actuation Hose.....	44.87	4.94
21 24 16 00-0015	EA	10 CU. Inch, Nitrogen Cylinder.....	199.69	21.93
		Note: Use For 1-10 Agent Cylinders		
21 24 16 00-0016	EA	Vent Check.....	35.90	3.95
21 24 16 00-0017	EA	Detector.....	26.92	2.96
		Note: Includes bracket, linkage and conduit fittings.		
21 24 16 00-0018	EA	280 To 450 Degree F, Fusible Link.....	10.11	1.10
21 24 16 00-0019	EA	Test Link.....	3.02	
21 24 16 00-0020	EA	Corner Pulley.....	13.91	1.53
21 24 16 00-0021	EA	1/16", 500 Foot Spool, Cable.....	224.36	24.67
21 24 16 00-0022	EA	Pulley Tee.....	100.96	11.07
21 24 16 00-0023	EA	Manual Pull Station (Standard).....	89.74	9.86
21 24 16 00-0024	EA	Manual Pull Station, Adapter Kit (Recess Standard Pull Station).....	42.09	4.60
21 24 16 00-0025	EA	Manual Pull Station (Oversized).....	100.06	10.96
21 24 16 00-0026	EA	Conduit Offset.....	19.97	2.20
21 24 16 00-0027	EA	3/8" Pipe Thread, Seal (Quick-Seal).....	27.51	3.07
21 24 16 00-0028	EA	1/2" Pipe Thread, Seal (Quick-Seal).....	22.44	2.52
21 24 16 00-0029	EA	3/8" Pipe Compression Seal.....	37.46	4.17
21 24 16 00-0030	EA	1/2" Pipe Compression Seal.....	37.46	4.17
21 24 16 00-0031	EA	Cap, Nozzle Blow-Off (Standard).....	10.05	2.85
21 24 16 00-0032	EA	Cap, Nozzle Blow-Off (High Temperature).....	24.92	2.85
21 24 16 00-0033	EA	2 Flow Points, Fryer/Griddle Nozzle.....	44.87	4.94
21 24 16 00-0034	EA	1 Flow Point Each, Appliance, Plenum Nozzle.....	44.87	4.94
21 24 16 00-0035	EA	Nozzle - Solid Fuel Charbroiler - 1 To 1-1/2 Flow Points Each.....	44.87	4.94
21 24 16 00-0036	EA	1/2 Flow Points Each, Upright Charbroiler Nozzle.....	44.87	4.94
21 24 16 00-0037	EA	2 Flow Points Each, Duct (Only) Nozzle.....	44.87	4.94
21 24 16 00-0038	EA	2 Flow Points Each, Four Burner Range Nozzle.....	64.52	7.12
21 24 16 00-0039	EA	3/4" Or 1" Mechanical Gas Valve.....	360.85	29.05
21 24 16 00-0040	EA	1-1/4" Or 1-1/2" Mechanical Gas Valve.....	422.17	42.20
21 24 16 00-0041	EA	2" Mechanical Gas Valve.....	526.76	49.88
21 24 16 00-0042	EA	Manual Reset Relay (Required With Every Electric Gas Valve).....	565.38	62.16
21 24 16 00-0043	EA	SPDT Microswitch With 18" Leads.....	29.76	3.28
21 24 16 00-0044	EA	Kit Gas Valve Actuator For Use With ASCO Mechanical Gas Valve.....	48.02	5.26
21 24 16 00-0045	EA	Gas Valve Trip Assembly.....	100.96	11.07

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**21 24 16 00-0046**
**Range Guard Fire Suppression Systems (2124 16)**

Note: Range Guard or equal.

21 24 16 00-0047	EA 1-1/4 Gallon Charged Cylinder With Valve .....	680.35	84.70
21 24 16 00-0048	EA 2-1/2 Gallon Charged Cylinder With Valve .....	849.27	105.70
21 24 16 00-0049	EA 4 Gallon Charged Cylinder With Valve .....	1,048.47	130.54
21 24 16 00-0050	EA 6 Gallon Charged Cylinder With Valve .....	1,245.36	154.97
21 24 16 00-0051	EA Vent Plug .....	28.58	3.54
21 24 16 00-0052	EA Discharge Adapter Kit.....	36.81	
21 24 16 00-0053	EA 1-1/4 Gallon Wall Bracket.....	75.73	9.39
21 24 16 00-0054	EA 2-1/2 Gallon Wall Bracket.....	80.15	10.00
21 24 16 00-0055	EA 4 Gallon Wall Bracket .....	151.36	18.88
21 24 16 00-0056	EA 6 Gallon Wall Bracket.....	167.75	20.90
21 24 16 00-0057	EA Mechanical Control Head, No Microswitch .....	591.81	73.70
21 24 16 00-0058	EA Mechanical Control Head, 1 Microswitch.....	617.44	76.82
21 24 16 00-0059	EA Mechanical Control Head, 2 Microswitches.....	708.31	88.13
21 24 16 00-0060	EA Tandem Control Head.....	538.22	67.04
21 24 16 00-0061	EA Electric Control Head, 120 Volt AC / 24 Volt DC.....	911.01	113.38
21 24 16 00-0062	EA Mechanical Control Box.....	405.41	50.48
21 24 16 00-0063	EA Tandem Control Box.....	405.41	50.48
21 24 16 00-0064	EA Mechanical Control Box Adapter .....	118.83	14.84
21 24 16 00-0065	EA A+ Control head With 1 Pressure Operated Actuator .....	357.10	44.42
21 24 16 00-0066	EA Pressure Operated Actuator .....	146.78	18.27
21 24 16 00-0067	EA BMCS-1 Nitrogen Cylinder.....	237.66	29.58
21 24 16 00-0068	EA BMCS-1 Actuator Assembly .....	242.32	30.18
21 24 16 00-0069	EA BMCS-1 Mounting Bracket .....	59.40	7.37
21 24 16 00-0070	EA BMCS-7 Nitrogen Cylinder.....	685.74	85.31
21 24 16 00-0071	EA BMCS-7 Mounting Bracket .....	146.79	18.27
21 24 16 00-0072	EA BMCS-7 Discharge Adapter Kit .....	146.79	18.27
21 24 16 00-0073	EA Check Valve.....	121.18	21.71
21 24 16 00-0074	EA Vent Check For Use With BMCS Systems .....	66.41	8.27
21 24 16 00-0075	EA Check Valve, (Schrader Flare Fitting) For Pressure Operated Actuator.....	28.90	3.60
21 24 16 00-0076	EA Removal And Replacement Of Receiver Gasket For BMCS-Actuator Assembly .....	7.60	
21 24 16 00-0077	EA Pneumatic Control Head For Slave Cylinders.....	151.45	18.88
21 24 16 00-0078	EA Nozzles; ADP, F, R And GRW .....	69.43	8.69
21 24 16 00-0079	EA Nozzles; DM And LPF .....	77.36	9.59
21 24 16 00-0080	EA Swivel Adapter.....	48.92	6.06
21 24 16 00-0081	EA Corner Pulley.....	20.97	2.62
21 24 16 00-0082	LF 1/16" Stainless Steel Cable .....	0.88	0.30
21 24 16 00-0083	EA Cable Crimp Sleeve.....	1.08	0.30
21 24 16 00-0084	EA "S" Hook .....	0.85	0.20
21 24 16 00-0085	EA Electrical Metallic Tubing (EMT) Adapter, 1/2" Electrical Metallic Tubing (EMT) x 3/8" NPT .....	72.21	8.99
21 24 16 00-0086	EA Cable Clamp .....	6.43	0.81
21 24 16 00-0087	EA Nico Sleeves - 1/16" Cable.....	0.87	0.20
21 24 16 00-0088	EA 3/8" Cable Anchor.....	76.30	9.49
21 24 16 00-0089	EA 1/2" Cable Anchor.....	76.30	9.49
21 24 16 00-0090	EA Mechanical Remote Manual Release (Pull Cable).....	123.43	15.35
21 24 16 00-0091	EA Tee Pulley, Use For Mechanical Pull And Gas Valve .....	131.72	16.36
21 24 16 00-0092	EA Surface Remote Manual Release, End-of-line.....	154.32	19.18
21 24 16 00-0093	EA Surface Remote Manual Release, In line Conservation Kit .....	48.35	6.06
21 24 16 00-0094	EA Surface Remote Manual Release, In line And End Of Line .....	202.61	25.13
21 24 16 00-0095	EA Recessed Remote Manual Release, End-of-line.....	154.32	19.18
21 24 16 00-0096	EA Recessed Remote Manual Release, In Line Kit.....	183.98	22.92
21 24 16 00-0097	EA Pulley Tee, Remote In Line Only .....	33.07	4.14
21 24 16 00-0098	EA Fusible Link Housing Kit With 1 - Bracket, 2 - 1/2" Electrical Metallic Tubing (EMT) Connector, 1 - "S" Hook, 8 - Cable Crimp Sleeve.....	36.71	4.55
21 24 16 00-0099	EA Fusible Link 165F To 360F.....	12.02	1.51
21 24 16 00-0100	EA Fusible Link 500F .....	19.29	1.51
21 24 16 00-0101	EA Standard Detector With 1 - 360F link, 2 - "S" Hooks, 2 - Crimp Sleeves .....	36.71	4.55
21 24 16 00-0102	EA Standard Detector Kit With 1 - Large Bracket, 2 - "S" Hooks, 2 - Cable Crimp Sleeve.....	26.65	4.55
21 24 16 00-0103	EA Quartzoid Link 400 F .....	197.95	24.63
21 24 16 00-0104	EA Quartzoid Link 500 F .....	197.95	24.63
21 24 16 00-0105	EA SPDT Micro Switch For Use With A Plus Control Box.....	70.95	8.79
21 24 16 00-0106	EA DPDT Micro Switch For Use With A Plus Control Box .....	123.43	15.35
21 24 16 00-0107	EA SPDT Micro Switch For Use With A Mechanical Control Box .....	73.35	9.09
21 24 16 00-0108	EA DPDT Micro Switch For Use With A Mechanical Control Box.....	127.13	15.85
21 24 16 00-0109	EA SPDT Micro Switch For Use With PRCB .....	93.16	11.61
21 24 16 00-0110	EA DPDT Micro Switch For Use With PRCB .....	134.38	16.66
21 24 16 00-0111	EA Pressure Switch, SPDT (Fire Dept. Tie In) .....	393.58	48.96
21 24 16 00-0112	EA Circuit Monitor 12 Or 24 Volt DC .....	176.99	22.01
21 24 16 00-0113	EA Circuit Monitor 120 Volt AC.....	176.99	22.01
21 24 16 00-0114	EA Electric Manual Pull Station .....	129.25	16.05
21 24 16 00-0115	EA 6", 24 Volt DC, Motor Bell .....	72.20	8.99
21 24 16 00-0116	EA 10", 115 Volt AC Motor Bell .....	102.47	12.72
21 24 16 00-0117	EA Fuse, 1.2 For ECH.....	8.30	1.01
21 24 16 00-0118	EA Indicator Lamp 12 Or 24 Volt DC.....	36.71	4.55
21 24 16 00-0119	EA Indicator Lamp 120 Volt AC.....	36.71	4.55
21 24 16 00-0120	EA B-10 Manual Station Dual Action, SPDT .....	135.07	16.76
21 24 16 00-0121	EA B-11 Manual Station Dual Action, DPDT .....	149.05	18.57
21 24 16 00-0122	EA Break Rods For B10/B11 Manual Pull Station .....	3.69	1.31
21 24 16 00-0123	EA Spare Key For B10/B11 Manual Stations .....	18.64	2.32
21 24 16 00-0124	EA MT-24-LSM-VAR Multitone Signal With 15/75cd Strobe, 24 Volt, Flush Grill .....	200.28	24.93
21 24 16 00-0125	EA Suppression Abort Station.....	211.93	26.35
21 24 16 00-0126	EA Suppression Abort Station With Surface Mount Back Box.....	246.86	30.69
21 24 16 00-0127	EA Surface Mount Back Box .....	81.51	10.10

**21 Fire Suppression****21 20 Fire-Extinguishing Systems****21 24 Dry-Chemical Fire-Extinguishing Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

21 24 16 00-0128	EA	Single Hazard Control Unit, 120 Volt AC IP	1,513.75	188.07
21 24 16 00-0129	EA	Single Hazard Control Unit, 240 Volt AC IP	1,513.75	188.07
21 24 16 00-0130	EA	1 Lead Acid Battery; 24 Volt DC, 1.2 A.H.	125.76	15.65
21 24 16 00-0131	EA	Accessory Kit - End-of-line Resistors (10K Ohms, 1/2 W)	4.80	0.71
21 24 16 00-0132	EA	Spare Scorpio Circuit Board	1,094.49	
21 24 16 00-0133	EA	Extra Scorpio Key	18.63	
21 24 16 00-0134	EA	Extra Scorpio Manual	11.64	
21 24 16 00-0135	EA	Compression Seal Adapter 3/8" Pipe	31.67	3.94
21 24 16 00-0136	EA	Compression Seal Adapter 1/2" Tubing/ 1/4" Pipe	34.38	4.24
21 24 16 00-0137	EA	Compression Seal Adapter 5/8" Tubing/ 3/8" Pipe	41.36	5.15
21 24 16 00-0138	EA	Compression Seal Adapter 3/4" Tubing/ 1/2" Pipe	44.24	5.45
21 24 16 00-0139	EA	Quik Seal Adapter 3/8" NPT Female	34.38	4.24
21 24 16 00-0140	EA	Quik Seal Adapter 1/2" NPT Female	34.38	4.24
21 24 16 00-0141	EA	Quik Seal Adapter 3/4" NPT Female	58.83	7.37
21 24 16 00-0142	EA	Quik Seal Adapter 1" NPT Female	78.01	9.69
21 24 16 00-0143	EA	Quik Patch (Up To 1-1/8" Diameter)	34.38	4.24
21 24 16 00-0144	EA	1-1/4 Gallon Karbaloy Charge	76.53	
21 24 16 00-0145	EA	2-1/2 Gallon Karbaloy Charge	131.57	
21 24 16 00-0146	EA	4 Gallon Karbaloy Charge	198.87	
21 24 16 00-0147	EA	6 Gallon Karbaloy Charge	291.00	
21 24 16 00-0148	EA	Inlet Flushing Adapter	57.06	7.06
21 24 16 00-0149	EA	1/2" Flushing Adapter (Outlet)	57.06	7.06
21 24 16 00-0150	EA	1/8" Flushing Adapter (Outlet)	57.06	7.06
21 24 16 00-0151	EA	1/4" Flushing Adapter (Outlet)	57.06	7.06
21 24 16 00-0152	EA	3/8" Flushing Adapter (Outlet)	57.06	7.06
21 24 16 00-0153	EA	Recharge Adapter (Old Style Cylinder Valve Assembly Only)	79.17	
21 24 16 00-0154	EA	Instruction Label (In Case Of Fire) - MCB	6.29	
21 24 16 00-0155	EA	Caution Sign (Turn On Fan)	7.60	
21 24 16 00-0156	EA	Inspection Label (Authorized installers only)	5.23	
21 24 16 00-0157	EA	Label, Warning, A+ Control Box	3.66	
21 24 16 00-0158	EA	Wet Chemical System Kits, RG-1.25G Kit; #23315	1,001.35	124.47
21 24 16 00-0159	EA	Wet Chemical System Kits, RG-2.5G Kit; #23316	1,169.04	145.27
21 24 16 00-0160	EA	Wet Chemical System Kits, RG-4GS Kit; #23317	1,455.49	180.91
21 24 16 00-0161	EA	Wet Chemical System Kits, RG-4GT Kit; #23318	1,455.49	180.91
21 24 16 00-0162	EA	Wet Chemical System Kits, RG-6G Kit; #23319	1,830.42	227.45
21 24 16 00-0163	EA	Wet Chemical System Kits, RG Mechanical Control HD (MCH) Kit; #23320	867.47	107.82
21 24 16 00-0164	EA	Wet Chemical System Kits, RG Mechanical Control Box (MCB) Kit; #23321	815.06	101.25
21 24 16 00-0165	EA	Wet Chemical System Kits, A Plus Control Box Kit; #23322	659.03	81.87
21 24 16 00-0166	EA	Wet Chemical System Kits, Valve Rebuild Kit; #23210	1,141.08	141.84
21 24 16 00-0167	EA	Wet Chemical System Kits, BMCS-1 Package; #23208	1,045.60	129.92

**21 30 Fire Pumps** <sup>(21)</sup>**21 31 Centrifugal Fire Pumps** <sup>(21 30)</sup>**21 31 13 Electric-Drive, Centrifugal Fire Pumps** <sup>(21 31)</sup>**21 31 13 00-0001 Electric-Drive Fire Pumps** <sup>(21 31 13)</sup>

Note: Includes fire pump, motor, motor starter, alarm panel, automatic transfer switch, and controller.

21 31 13 00-0002	EA	20 HP Electric Fire Pump	48,625.51	1,715.68
<i>For Duplex Pumping System, Add</i>			<i>46,909.84</i>	
21 31 13 00-0003	EA	30 HP Electric Fire Pump	56,769.36	1,930.13
<i>For Duplex Pumping System, Add</i>			<i>54,982.20</i>	
21 31 13 00-0004	EA	40 HP Electric Fire Pump	77,493.07	2,144.59
<i>For Duplex Pumping System, Add</i>			<i>75,507.34</i>	
21 31 13 00-0005	EA	50 HP Electric Fire Pump	95,504.11	2,341.66
<i>For Duplex Pumping System, Add</i>			<i>93,162.46</i>	
21 31 13 00-0006	EA	75 HP Electric Fire Pump	106,633.75	2,554.54
<i>For Duplex Pumping System, Add</i>			<i>104,079.22</i>	

**21 31 16 Diesel-Drive, Centrifugal Fire Pumps** <sup>(21 31)</sup>**21 31 16 00-0001 Diesel-Drive Fire Pumps** <sup>(21 31 16)</sup>

Note: Pumps shall be stand alone units meeting NFPA-20 specs. Includes fire pump, motor, motor starter, alarm panel, and controller.

21 31 16 00-0002	EA	30 HP Diesel Driven Fire Pump, NFPA-20 Specific	71,639.47	1,915.90
21 31 16 00-0003	EA	40 HP Diesel Driven Fire Pump, NFPA-20 Specific	81,054.75	2,128.78
21 31 16 00-0004	EA	50 HP Diesel Driven Fire Pump, NFPA-20 Specific	85,125.39	2,341.66
21 31 16 00-0005	EA	75 HP Diesel Driven Fire Pump, NFPA-20 Specific	96,913.02	2,554.54
21 31 16 00-0006	EA	150 HP Diesel Driven Fire Pump, NFPA-20 Specific	102,763.83	2,980.29
21 31 16 00-0007	EA	175 HP Diesel Driven Fire Pump, NFPA-20 Specific	110,374.97	3,831.80
21 31 16 00-0008	EA	200 HP Diesel Driven Fire Pump, NFPA-20 Specific	119,770.61	4,257.56
21 31 16 00-0009	EA	250 HP Diesel Driven Fire Pump, NFPA-20 Specific	136,960.33	4,853.63
21 31 16 00-0010	EA	300 HP Diesel Driven Fire Pump, NFPA-20 Specific	164,268.04	5,236.80
21 31 16 00-0011	EA	350 HP Diesel Driven Fire Pump, NFPA-20 Specific	192,802.05	5,960.59
21 31 16 00-0012	EA	400 HP Diesel Driven Fire Pump, NFPA-20 Specific	229,102.79	6,386.35
21 31 16 00-0013	EA	500 HP Diesel Driven Fire Pump, NFPA-20 Specific	258,131.75	6,812.10

**21 34 Fire Pump Accessories** <sup>(21 30)</sup>**21 34 13 Pressure Maintenance Pumps** <sup>(21 34)</sup>**21 34 13 00-0001 Jockey Pumps** <sup>(21 34 13)</sup>

Note: Includes pump and controller.

		<b>Fire Suppression</b>	<b>21</b>	<b>21</b>
		Fire Pumps	21 30	
		Fire Pump Accessories	21 34	
MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

21 34 13 00-0002	EA	Up To 3 HP, 1" Pipe Connection, Jockey Pump And Controller .....	4,970.36	425.76
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**END OF SECTION 21**

21	<b>21</b>	<b>Fire Suppression</b>
	21 30	Fire Pumps
	21 34	Fire Pump Accessories



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

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MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 22 Plumbing

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise.

### 22 01 Operation and Maintenance of Plumbing <sup>(22)</sup>

#### 22 01 10 Operation and Maintenance of Plumbing Piping and Pumps <sup>(22 01)</sup>

See CSI section 23 01 20 00-0000 for purging of pipes and shutdown.

#### 22 01 10 61 Plumbing Piping Repairs <sup>(22 01 10)</sup>

##### 22 01 10 61-0001 Pipe Repair Clamps <sup>(22 01 10 61)</sup>

22 01 10 61-0002	EA	1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt .....	38.20
		Note: Includes neoprene gasket	
22 01 10 61-0003	EA	3/4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt .....	39.86
		Note: Includes neoprene gasket	
22 01 10 61-0004	EA	1" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt .....	43.84
		Note: Includes neoprene gasket	
22 01 10 61-0005	EA	1-1/4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt .....	46.83
		Note: Includes neoprene gasket	
22 01 10 61-0006	EA	1-1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt .....	50.81
		Note: Includes neoprene gasket	
22 01 10 61-0007	EA	2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt .....	64.86
		Note: Includes neoprene gasket	
22 01 10 61-0008	EA	2-1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt .....	82.91
		Note: Includes neoprene gasket	
22 01 10 61-0009	EA	3" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt .....	96.59
		Note: Includes neoprene gasket	
22 01 10 61-0010	EA	4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt .....	110.80
		Note: Includes neoprene gasket	
22 01 10 61-0011	EA	1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt .....	60.07
		Note: Includes neoprene gasket	
22 01 10 61-0012	EA	3/4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt .....	63.43
		Note: Includes neoprene gasket	
22 01 10 61-0013	EA	1" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt .....	70.23
		Note: Includes neoprene gasket	
22 01 10 61-0014	EA	1-1/4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt .....	77.18
		Note: Includes neoprene gasket	
22 01 10 61-0015	EA	1-1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt .....	85.16
		Note: Includes neoprene gasket	
22 01 10 61-0016	EA	2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt .....	110.05
		Note: Includes neoprene gasket	
22 01 10 61-0017	EA	2-1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt .....	134.31
		Note: Includes neoprene gasket	
22 01 10 61-0018	EA	3" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt .....	153.45
		Note: Includes neoprene gasket	
22 01 10 61-0019	EA	4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt .....	174.20
		Note: Includes neoprene gasket	
22 01 10 61-0020	EA	1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt .....	85.15
		Note: Includes Buna rubber gasket	
22 01 10 61-0021	EA	3/4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt .....	88.75
		Note: Includes Buna rubber gasket	
22 01 10 61-0022	EA	1" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt .....	98.08
		Note: Includes Buna rubber gasket	
22 01 10 61-0023	EA	1-1/4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt .....	107.59
		Note: Includes Buna rubber gasket	
22 01 10 61-0024	EA	1-1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt .....	121.50
		Note: Includes Buna rubber gasket	
22 01 10 61-0025	EA	2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt .....	148.84
		Note: Includes Buna rubber gasket	
22 01 10 61-0026	EA	2-1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt .....	175.91
		Note: Includes Buna rubber gasket	
22 01 10 61-0027	EA	3" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt .....	212.20
		Note: Includes Buna rubber gasket	
22 01 10 61-0028	EA	4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt .....	260.94
		Note: Includes Buna rubber gasket	
22 01 10 61-0029	EA	5" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt .....	267.89
		Note: Includes Buna rubber gasket	
22 01 10 61-0030	EA	6" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt .....	287.03
		Note: Includes Buna rubber gasket	

#### 22 01 40 Operation and Maintenance of Plumbing Fixtures <sup>(22 01)</sup>

##### 22 01 40 81 Plumbing Fixtures Replacement <sup>(22 01 40)</sup>

##### 22 01 40 81-0001 Removal And Replacement Of Fixture And/Or Trim <sup>(22 01 40 81)</sup>

Note: Includes removal of existing item(s) and installation of new item(s). See CSI section 22 42 00 00-0000 for faucet replacement installation and demolition prices.

22 01 40 81-0002	EA	Removal And Replacement Of 3/8" To 1/2" Compression Shut-off Valve With 15" Polybutylene Supply Tube .....	57.03
22 01 40 81-0003	EA	Removal And Replacement Of 3/8" Compression x 1/2" FIP, Braided Stainless Steel, Supply Lines To Sink/Lavatory .....	19.06
22 01 40 81-0004	EA	Removal And Replacement Of Chrome Supply Lines To Sink/Lavatory, Pair .....	27.77
22 01 40 81-0005	EA	Removal And Replacement Of Single Bowl Sink/Lavatory Drain Line .....	38.73
22 01 40 81-0006	EA	Removal And Replacement Of Double Bowl Sink/Lavatory Drain Line .....	60.22
22 01 40 81-0007	EA	Removal And Replacement Of Shower Head, Polished Chrome .....	39.46
22 01 40 81-0008	EA	Removal And Replacement Of Shower Arm .....	38.43

**22 Plumbing****22 01 Operation and Maintenance of Plumbing****22 01 40 Operation and Maintenance of Plumbing Fixtures**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

22 01 40 81-0009	EA	Removal And Replacement Of Shower Head.....	45.21	
22 01 40 81-0010	EA	Removal And Replacement Of Shower Knob.....	35.75	
22 01 40 81-0011	EA	Removal And Replacement Of Shower and Tub Control Trim.....	102.60	
		Note: Excludes balancing valve.		
22 01 40 81-0012	EA	Removal And Replacement Of Sink Basket Strainer.....	27.40	
22 01 40 81-0013	EA	Removal And Replacement Of 1-1/2" Sink Drain Without Stopper.....	14.97	
22 01 40 81-0014	EA	Removal And Replacement Of 4-1/2" Sink Drain Without Stopper.....	15.70	
22 01 40 81-0015	EA	Removal And Replacement Of 1-1/2" Sink Drain With Stopper.....	14.97	
22 01 40 81-0016	EA	Removal And Replacement Of 1" Sink Rubber Stopper.....	8.60	
22 01 40 81-0017	EA	Removal And Replacement Of Sink Tailpiece Extension, 1-1/2" x 8".....	24.97	
22 01 40 81-0018	EA	Removal And Replacement Of Sink Trap, Adjustable, 1-1/2".....	40.77	
22 01 40 81-0019	EA	Removal And Replacement Of Lavatory Pop-Up Rod.....	29.13	
22 01 40 81-0020	EA	Removal And Replacement Of Lavatory Pop-up Drain Stopper.....	29.80	
22 01 40 81-0021	EA	Removal And Replacement Of Faucet Handle.....	33.46	
22 01 40 81-0022	EA	Removal And Replacement Of Faucet O-Ring.....	25.39	
22 01 40 81-0023	EA	Removal And Replacement Of 1-1/2" Faucet Hole Cover.....	18.29	
22 01 40 81-0024	EA	Removal And Replacement Of Toilet Ballcock.....	36.61	
22 01 40 81-0025	EA	Removal And Replacement Of Toilet Bowl Ring, Flat Wax.....	6.98	
		Note: Excludes removal of toilet.		
22 01 40 81-0026	EA	Removal And Replacement Of Toilet Tank.....	146.05	
22 01 40 81-0027	EA	Removal And Replacement Of 10" Toilet Bowl.....	182.52	
22 01 40 81-0028	EA	Removal And Replacement Of 10", Low-Flush Watersaver, Toilet Bowl.....	196.55	
22 01 40 81-0029	EA	Removal And Replacement Of 12" Toilet Bowl.....	210.09	
22 01 40 81-0030	EA	Removal And Replacement Of 18", Elongated, Toilet Bowl.....	187.24	
22 01 40 81-0031	EA	Removal And Replacement Of Toilet Closet Bolt, 5/16" x 3" With Nuts And Washers.....	22.49	
22 01 40 81-0032	EA	Removal And Replacement Of Toilet Flapper With Chain.....	16.85	
22 01 40 81-0033	EA	Removal And Replacement Of Toilet Flush Tank Lever.....	18.09	
22 01 40 81-0034	EA	Removal And Replacement Of Elongated Toilet Seat With Lid.....	96.86	
22 01 40 81-0035	EA	Removal And Replacement Of Elongated Toilet Seat Without Lid.....	95.47	
22 01 40 81-0036	EA	Removal And Replacement Of Handicap Toilet Seat, Complete With Rails.....	142.28	
22 01 40 81-0037	EA	Removal And Replacement Of Diverter Tub Spout.....	55.96	
22 01 40 81-0038	EA	Removal And Replacement Of Tub Spout.....	39.63	
22 01 40 81-0039	EA	Removal And Replacement Of 2" Tub Stopper.....	10.25	
22 01 40 81-0040	EA	Removal And Replacement Of Tub Waste/Overflow.....	71.00	
22 01 40 81-0041	EA	Removal And Replacement Of Tub Stem Bonnet Assembly.....	36.24	
22 01 40 81-0042	EA	Removal And Replacement Of Faucet Bonnet.....	40.06	
22 01 40 81-0043	EA	Removal And Replacement Of Faucet Diverter Stem.....	25.11	
22 01 40 81-0044	EA	Removal And Replacement Of Faucet Diverter Stem And Bonnet.....	33.36	
22 01 40 81-0045	EA	Removal And Replacement Of Faucet Spout.....	37.98	
22 01 40 81-0046	EA	Removal And Replacement Of Faucet Stem.....	27.88	
22 01 40 81-0047	EA	Removal And Replacement Of Plastic, Chrome Plated Drinking Fountain Bubbler Valve With Flexible Bubbler Guard.....	196.38	
22 01 40 81-0048	EA	Removal And Replacement Of Brass, Chrome Plated Drinking Fountain Bubbler Valve.....	246.40	
22 01 40 81-0049	EA	Removal And Replacement Of Stainless Steel (Lead Free) Drinking Fountain Pushbutton Bubbler Valve.....	150.40	

**22 05 Common Work Results for Plumbing** <sup>(22)</sup>**22 05 13 Common Motor Requirements for Plumbing Equipment** <sup>(22 05)</sup>

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. See CSI section 23 05 13 00-0000 for motor requirements.

**22 05 16 Expansion Fittings and Loops for Plumbing Piping** <sup>(22 05)</sup>

See CSI section 23 05 16 00-0000 for expansion fittings and loops.

**22 05 17 Sleeves and Sleeve Seals for Plumbing Piping** <sup>(22 05)</sup>

See CSI section 23 05 17 00-0000 for sleeves and sleeve seals.

**22 05 19 Meters and Gages for Plumbing Piping** <sup>(22 05)</sup>

See CSI section 23 05 19 00-0000 for gages, 33 19 00 00-0000 for water utility service metering.

**22 05 23 General-Duty Valves for Plumbing Piping** <sup>(22 05)</sup>

See CSI section 23 05 23 00-0000 for valves.

**22 05 23 00-0001 Oxygen (Medical) Service Ball Valve** <sup>(22 05 23)</sup>

22 05 23 00-0002	EA	1/2" Pipe, Full Port, Bronze, 3 Piece, Inline, One Way Flow, Oxygen Service Ball Valves With Lever Handle (Nibco NJ93HE6).....	298.66	19.95
22 05 23 00-0003	EA	3/4" Pipe, Full Port, Bronze, 3 Piece, Inline, One Way Flow, Oxygen Service Ball Valves With Lever Handle (Nibco NJ93HE8).....	308.26	21.93
22 05 23 00-0004	EA	1" Pipe, Full Port, Bronze, 3 Piece, Inline, One Way Flow, Oxygen Service Ball Valves With Lever Handle (Nibco NJ93HCA).....	414.45	23.13
22 05 23 00-0005	EA	1-1/4" Pipe, Full Port, Bronze, 3 Piece, Inline, One Way Flow, Oxygen Service Ball Valves With Lever Handle (Nibco NJ93HEB).....	504.76	29.27
22 05 23 00-0006	EA	1-1/2" Pipe, Full Port, Bronze, 3 Piece, Inline, One Way Flow, Oxygen Service Ball Valves With Lever Handle (Nibco NJ93HEC).....	440.62	33.76
22 05 23 00-0007	EA	2" Pipe, Full Port, Bronze, 3 Piece, Inline, One Way Flow, Oxygen Service Ball Valves With Lever Handle (Nibco NJ9210D).....	669.82	39.91

**22 05 29 Hangers and Supports for Plumbing Piping and Equipment** <sup>(22 05)</sup>

See CSI section 23 05 29 00-0000 for hangers and supports.

**22 05 33 Heat Tracing for Plumbing Piping** <sup>(22 05)</sup>

See CSI section 23 83 13 00-0000 for heat tracing cables.

**22 05 48 Vibration and Seismic Controls for Plumbing Piping and**



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**Equipment** (22 05)

**22 05 48 13 Vibration Controls for Plumbing Piping and Equipment** (22 05 48)  
 See CSI section 23 05 48 13-0000 for vibration and seismic control.

**22 05 53 Identification for Plumbing Piping and Equipment** (22 05)  
 See CSI section 23 05 53 00-0000 for identification.

**22 05 76 Facility Drainage Piping Cleanouts** (22 05)

**22 05 76 00-0001 Cast Iron Cleanout With Plug And Cover** (22 05 76)  
 Note: For floor installation.

**22 05 76 00-0002 Cast Iron Cleanout With Plug And Round Or Square Cover** (22 05 76 00-0001)

22 05 76 00-0003	EA 2" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Brass Screw Plug And Nickel Bronze Cover.....	627.46		58.32
	For Vandal Proof, Add	19.50		
	For Galvanized Ferrule, Add	45.00		
	For Carpet Marker, Add	16.00		
	For Carpet Flange, Add	58.50		
	For Wide Flange, Add	97.00		
22 05 76 00-0004	EA 3" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Brass Screw Plug And Nickel Bronze Cover.....	678.23		73.12
	For Vandal Proof, Add	19.50		
	For Galvanized Ferrule, Add	45.00		
	For Carpet Marker, Add	16.00		
	For Carpet Flange, Add	58.50		
	For Wide Flange, Add	97.00		
22 05 76 00-0005	EA 4" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Brass Screw Plug And Nickel Bronze Cover.....	846.82		88.36
	For Vandal Proof, Add	19.50		
	For Galvanized Ferrule, Add	45.00		
	For Carpet Marker, Add	16.00		
	For Carpet Flange, Add	58.50		
	For Wide Flange, Add	97.00		
22 05 76 00-0006	EA 5" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Brass Screw Plug And Nickel Bronze Cover.....	1,214.81		98.88
	For Vandal Proof, Add	19.50		
	For Galvanized Ferrule, Add	45.00		
	For Carpet Marker, Add	16.00		
	For Carpet Flange, Add	58.50		
	For Wide Flange, Add	97.00		
22 05 76 00-0007	EA 6" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Brass Screw Plug And Nickel Bronze Cover.....	1,495.03		107.10
	For Vandal Proof, Add	19.50		
	For Galvanized Ferrule, Add	45.00		
	For Carpet Marker, Add	16.00		
	For Carpet Flange, Add	58.50		
	For Wide Flange, Add	97.00		

**22 05 76 00-0008 Cast Iron Heavy Duty Cleanout With Plug And Round Cover** (22 05 76 00-0001)

22 05 76 00-0009	EA 2" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Brass Screw Plug And Nickel Bronze Cover.....	722.96		58.32
	For Vandal Proof, Add	19.50		
	For Galvanized Ferrule, Add	45.00		
	For Carpet Marker, Add	16.00		
	For Carpet Flange, Add	58.50		
	For Wide Flange, Add	97.00		
22 05 76 00-0010	EA 3" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Brass Screw Plug And Nickel Bronze Cover.....	775.16		73.01
	For Vandal Proof, Add	19.50		
	For Galvanized Ferrule, Add	45.00		
	For Carpet Marker, Add	16.00		
	For Carpet Flange, Add	58.50		
	For Wide Flange, Add	97.00		
22 05 76 00-0011	EA 4" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Brass Screw Plug And Nickel Bronze Cover.....	943.84		88.36
	For Vandal Proof, Add	19.50		
	For Galvanized Ferrule, Add	45.00		
	For Carpet Marker, Add	16.00		
	For Carpet Flange, Add	58.50		
	For Wide Flange, Add	97.00		
22 05 76 00-0012	EA 5" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Brass Screw Plug And Nickel Bronze Cover.....	1,311.88		98.88
	For Vandal Proof, Add	19.50		
	For Galvanized Ferrule, Add	45.00		
	For Carpet Marker, Add	16.00		
	For Carpet Flange, Add	58.50		
	For Wide Flange, Add	97.00		
22 05 76 00-0013	EA 6" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Brass Screw Plug And Nickel Bronze Cover.....	1,592.01		107.10
	For Vandal Proof, Add	19.50		
	For Galvanized Ferrule, Add	45.00		
	For Carpet Marker, Add	16.00		
	For Carpet Flange, Add	58.50		
	For Wide Flange, Add	97.00		

**22 05 76 00-0014 Wall Cover For Cleanout** (22 05 76)  
 Note: Cover and screw only.

**22 05 76 00-0015 Round Access Cover, Bronze Polished Top** (22 05 76 00-0014)  
 Note: Cover and screw only.

22 05 76 00-0016	EA 4-1/4" Diameter Wall Cover For Cleanout, Screwed.....	94.14		18.31
	For Stainless Steel, Add	9.00		
	For Vandal Proof Screws, Add	19.50		
22 05 76 00-0017	EA 5-1/2" Diameter Wall Cover For Cleanout, Screwed.....	101.45		21.93
	For Stainless Steel, Add	9.00		
	For Vandal Proof Screws, Add	19.50		

**22 Plumbing****22 05 Common Work Results for Plumbing****22 05 76 Facility Drainage Piping Cleanouts**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0018	EA		7" Diameter Wall Cover For Cleanout, Screwed..... <i>For Stainless Steel, Add</i> <i>For Vandal Proof Screws, Add</i>	129.67 9.00 19.50	24.67
22 05 76 00-0019	EA		9-1/4" Diameter Wall Cover For Cleanout, Screwed..... <i>For Stainless Steel, Add</i> <i>For Vandal Proof Screws, Add</i>	220.05 9.00 19.50	27.41
22 05 76 00-0020	EA		11-1/4" Diameter Wall Cover For Cleanout, Screwed..... <i>For Stainless Steel, Add</i> <i>For Vandal Proof Screws, Add</i>	331.64 9.00 19.50	30.15
<b>22 05 76 00-0021</b>			<b>Square Wall Access Panel, Bronze Polished Top</b> (22 05 76 00-0014) Note: Cover and screw only.		
22 05 76 00-0022	EA		7" x 7" Bronze Wall Or Floor Access Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	511.42 19.50 22.50	18.31
22 05 76 00-0023	EA		9" x 9" Bronze Wall Or Floor Access Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	737.49 19.50 22.50	19.19
22 05 76 00-0024	EA		10" x 10" Bronze Wall Or Floor Access Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	788.05 19.50 22.50	20.28
22 05 76 00-0025	EA		14" x 14" Bronze Wall Or Floor Access Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	881.47 19.50 22.50	23.02
<b>22 05 76 00-0026</b>			<b>Secured Square Wall Access Panel, Bronze Polished Top</b> (22 05 76 00-0014) Note: Cover and screw only.		
22 05 76 00-0027	EA		6" x 6" Bronze Secured Wall Access Panel..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	520.76 19.50 22.50	18.31
22 05 76 00-0028	EA		8" x 8" Bronze Secured Wall Access Panel..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	751.25 19.50 22.50	19.19
22 05 76 00-0029	EA		10" x 10" Bronze Secured Wall Access Panel..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	802.76 19.50 22.50	20.28
22 05 76 00-0030	EA		12" x 12" Bronze Secured Wall Access Panel..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	897.90 19.50 22.50	23.02
<b>22 05 76 00-0031</b>			<b>Secure Square Hinged Access Panel, Bronze Polished Top, Scoriated</b> (22 05 76 00-0014) Note: Cover and screw only.		
22 05 76 00-0032	EA		6" x 6" Bronze Secured Hinged Access Panel, Scoriated..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	505.07 19.50 22.50	18.31
22 05 76 00-0033	EA		8" x 8" Bronze Secured Hinged Access Panel, Scoriated..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	699.69 19.50 22.50	19.19
22 05 76 00-0034	EA		10" x 10" Bronze Secured Hinged Access Panel, Scoriated..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	993.30 19.50 22.50	20.28
22 05 76 00-0035	EA		12" x 12" Bronze Secured Hinged Access Panel, Scoriated..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	1,202.78 19.50 22.50	23.02
<b>22 05 76 00-0036</b>			<b>Cast Iron Cleanout Tee</b> (22 05 76)		
<b>22 05 76 00-0037</b>			<b>Cast Iron Cleanout Tee And Round Access Cover</b> (22 05 76 00-0036) Note: Satin smooth secured cover.		
22 05 76 00-0038	EA		2" Cleanout Tee With Cast Brass Screw Plug And Round Polished Bronze Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Scoriated Hinged Cover, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	455.74 19.50 50.87 88.80	58.32
22 05 76 00-0039	EA		3" Cleanout Tee With Cast Brass Screw Plug And Round Polished Bronze Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Scoriated Hinged Cover, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	520.57 19.50 56.17 88.80	73.01
22 05 76 00-0040	EA		4" Cleanout Tee With Cast Brass Screw Plug And Round Polished Bronze Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Scoriated Hinged Cover, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	679.88 19.50 75.46 88.80	88.36
22 05 76 00-0041	EA		6" Cleanout Tee With Cast Brass Screw Plug And Round Polished Bronze Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Scoriated Hinged Cover, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	1,626.86 19.50 211.91 88.80	107.10
<b>22 05 76 00-0042</b>			<b>Cast Iron Cleanout Tee And Square Access Cover</b> (22 05 76 00-0036) Note: Satin smooth secured cover.		
22 05 76 00-0043	EA		2" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Scoriated Hinged Cover, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	794.87 19.50 101.74 88.80	58.32

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 05 76 00-0044	EA 3" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover.....	859.70	73.01
	For Vandal Proof Screws, Add	19.50	
	For Scoriated Hinged Cover, Add	107.04	
	For Galvanized Cast Iron Parts, Add	88.80	
22 05 76 00-0045	EA 4" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover.....	996.50	88.36
	For Vandal Proof Screws, Add	19.50	
	For Scoriated Hinged Cover, Add	122.95	
	For Galvanized Cast Iron Parts, Add	88.80	
22 05 76 00-0046	EA 6" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover.....	2,084.91	107.10
	For Vandal Proof Screws, Add	19.50	
	For Scoriated Hinged Cover, Add	280.62	
	For Galvanized Cast Iron Parts, Add	88.80	

**22 05 76 00-0047 Cast Iron Cleanout Tee With Brass Plug** (22 05 76 00-0036)

22 05 76 00-0048	EA 2" Cleanout Tee With Cast Bronze Screw Plug .....	373.49	47.68
22 05 76 00-0049	EA 3" Cleanout Tee With Cast Bronze Screw Plug .....	417.63	52.08
22 05 76 00-0050	EA 4" Cleanout Tee With Cast Bronze Screw Plug .....	556.62	68.52
22 05 76 00-0051	EA 5" Cleanout Tee With Cast Bronze Screw Plug .....	837.45	81.13
22 05 76 00-0052	EA 6" Cleanout Tee With Cast Bronze Screw Plug .....	1,429.73	95.92

**22 05 76 00-0053 Removable Cleanout Plug** (22 05 76)
**22 05 76 00-0054 Threaded Bronze Plugs** (22 05 76 00-0053)

22 05 76 00-0055	EA 1-1/4", 1-1/2" Or 2" Threaded Bronze Plug .....	76.48	13.70
	For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0056	EA 2-1/2" Threaded Bronze Plug .....	92.02	14.91
	For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0057	EA 3" Threaded Bronze Plug .....	159.81	16.44
	For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0058	EA 3-1/2" Threaded Bronze Plug .....	178.67	19.19
	For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0059	EA 4" Threaded Bronze Plug .....	201.95	21.93
	For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0060	EA 5" Threaded Bronze Plug .....	285.34	24.67
	For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0061	EA 6" Threaded Bronze Plug .....	422.14	27.41
	For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0062	EA 8" Threaded Bronze Plug .....	716.88	30.15
	For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0063	EA 10" Threaded Bronze Plug .....	1,033.96	32.89
	For Plug Tapped For Center Screw, Add	9.50	

**22 05 76 00-0064 Threaded Brass Plugs** (22 05 76 00-0053)

22 05 76 00-0065	EA 1-1/2" Threaded Brass Plug, Raised Head .....	30.47	13.70
	For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0066	EA 2" Threaded Brass Plug, Raised Head .....	31.00	13.70
	For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0067	EA 2-1/2" Threaded Brass Plug, Raised Head .....	33.79	14.91
	For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0068	EA 3" Threaded Brass Plug, Raised Head .....	38.25	16.44
	For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0069	EA 3-1/2" Threaded Brass Plug, Raised Head .....	45.17	19.19
	For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0070	EA 4" Threaded Brass Plug, Raised Head .....	53.05	21.93
	For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0071	EA 4-1/2" Threaded Brass Plug, Raised Head .....	56.98	23.09
	For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0072	EA 5" Threaded Brass Plug, Raised Head .....	61.24	24.67
	For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0073	EA 6" Threaded Brass Plug, Raised Head .....	79.63	27.41
	For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0074	EA 1-1/2" Threaded Brass Plug, Countersunk Head .....	30.05	13.70
	For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0075	EA 2" Threaded Brass Plug, Countersunk Head .....	30.63	13.70
	For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0076	EA 2-1/2" Threaded Brass Plug, Countersunk Head .....	34.95	14.91
	For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0077	EA 3" Threaded Brass Plug, Countersunk Head .....	38.42	16.44
	For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0078	EA 3-1/2" Threaded Brass Plug, Countersunk Head .....	44.67	19.19
	For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0079	EA 4" Threaded Brass Plug, Countersunk Head .....	52.27	21.93
	For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0080	EA 5" Threaded Brass Plug, Countersunk Head .....	60.81	24.67
	For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0081	EA 6" Threaded Brass Plug, Countersunk Head .....	72.71	27.41
	For Plug Tapped For Center Screw, Add	9.50	

**22 07 Plumbing Insulation** (22)
**22 07 16 Plumbing Equipment Insulation** (22 07)
**22 07 16 00-0001 Lavatory Insulation** (22 07 16)

MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

22 07 16 00-0002 EA Neoprene Insulation Kit For Under Lavatories .....314.16 24.16

**22 07 19 Plumbing Piping Insulation** (22 07)
**22 07 19 00-0001**
**Fiberglass (Glass Fiber) Pipe Insulation** (22 07 19)

Note: Includes factory applied All Service Jacket (ASJ), Self Sealing Lap (SSL) longitudinal seam, butt strip seals, and adhesive. Excludes insulation for fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves &gt;3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.

**22 07 19 00-0002 1/2" Thick Fiberglass Pipe Insulation** (22 07 19 00-0001)

22 07 19 00-0003	LF	1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	7.88	2.36
22 07 19 00-0004	LF	3/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	8.05	2.36
22 07 19 00-0005	LF	1" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	8.55	2.47
22 07 19 00-0006	LF	1-1/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	8.85	2.58
22 07 19 00-0007	LF	1-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	9.11	2.58
22 07 19 00-0008	LF	2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	9.63	2.68
22 07 19 00-0009	LF	2-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	10.09	2.79
22 07 19 00-0010	LF	3" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	10.65	2.90
22 07 19 00-0011	LF	4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	12.08	3.11
22 07 19 00-0012	LF	6" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	14.26	3.65

**22 07 19 00-0013**
**1" Thick Fiberglass Pipe Insulation** (22 07 19 00-0001)

22 07 19 00-0014	LF	1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	10.60	3.22
22 07 19 00-0015	LF	3/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	10.86	3.22
22 07 19 00-0016	LF	1" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	11.03	3.22
22 07 19 00-0017	LF	1-1/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	11.43	3.32
22 07 19 00-0018	LF	1-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	11.72	3.32
22 07 19 00-0019	LF	2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	12.21	3.44
22 07 19 00-0020	LF	2-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	12.88	3.65
22 07 19 00-0021	LF	3" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	13.52	3.76
22 07 19 00-0022	LF	4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	15.28	3.97
22 07 19 00-0023	LF	6" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	17.66	4.61
22 07 19 00-0024	LF	8" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	21.78	5.15
22 07 19 00-0025	LF	10" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	25.63	6.12
22 07 19 00-0026	LF	12" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	29.41	6.98
22 07 19 00-0027	LF	14" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	31.71	7.63

**22 07 19 00-0028**
**1-1/2" Thick Fiberglass Pipe Insulation** (22 07 19 00-0001)

22 07 19 00-0029	LF	1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	12.80	3.31
22 07 19 00-0030	LF	3/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	12.96	3.31
22 07 19 00-0031	LF	1" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	13.69	3.51
22 07 19 00-0032	LF	1-1/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	14.18	3.59
22 07 19 00-0033	LF	1-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	14.59	3.65
22 07 19 00-0034	LF	2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	15.56	3.84
22 07 19 00-0035	LF	2-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	16.23	3.91
22 07 19 00-0036	LF	3" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	16.75	4.05
22 07 19 00-0037	LF	4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	18.48	4.38
22 07 19 00-0038	LF	6" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	21.40	5.11
22 07 19 00-0039	LF	8" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	24.02	5.39
22 07 19 00-0040	LF	10" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	29.33	6.45
22 07 19 00-0041	LF	12" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	33.29	7.52
22 07 19 00-0042	LF	14" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	37.26	8.23

**22 07 19 00-0043**
**2" Thick Fiberglass Pipe Insulation** (22 07 19 00-0001)

22 07 19 00-0044	LF	1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	15.75	3.65
22 07 19 00-0045	LF	3/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	15.94	3.65
22 07 19 00-0046	LF	1" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	16.48	3.76
22 07 19 00-0047	LF	1-1/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	16.97	3.76
22 07 19 00-0048	LF	1-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	17.47	3.87
22 07 19 00-0049	LF	2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	18.12	3.97
22 07 19 00-0050	LF	2-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	19.04	4.08
22 07 19 00-0051	LF	3" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	20.04	4.29
22 07 19 00-0052	LF	4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	21.90	4.51
22 07 19 00-0053	LF	6" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	25.91	5.29
22 07 19 00-0054	LF	8" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	29.37	5.59
22 07 19 00-0055	LF	10" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	35.15	6.69
22 07 19 00-0056	LF	12" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	40.44	8.02
22 07 19 00-0057	LF	14" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	51.62	8.74
22 07 19 00-0058	LF	16" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	54.47	10.26
22 07 19 00-0059	LF	18" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	60.42	10.77
22 07 19 00-0060	LF	20" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	68.49	12.30
22 07 19 00-0061	LF	24" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	79.63	14.87

**22 07 19 00-0062**
**2-1/2" Thick Fiberglass Pipe Insulation** (22 07 19 00-0001)

22 07 19 00-0063	LF	1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	19.52	4.29
22 07 19 00-0064	LF	3/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	19.79	4.29
22 07 19 00-0065	LF	1" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	20.56	4.29
22 07 19 00-0066	LF	1-1/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	21.14	4.40

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 07 19 00-0067	LF		1-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	21.74	4.40
22 07 19 00-0068	LF		2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	22.63	4.61
22 07 19 00-0069	LF		2-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	23.91	4.72
22 07 19 00-0070	LF		3" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	25.06	4.94
22 07 19 00-0071	LF		4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	27.71	5.15
22 07 19 00-0072	LF		6" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	31.76	5.47
22 07 19 00-0073	LF		8" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	42.33	6.55
22 07 19 00-0074	LF		10" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	50.54	7.52
22 07 19 00-0075	LF		12" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	57.50	9.34
22 07 19 00-0076	LF		14" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	65.00	10.31
22 07 19 00-0077	LF		16" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	76.55	13.10
22 07 19 00-0078	LF		18" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	82.30	13.74
22 07 19 00-0079	LF		20" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	93.42	15.68
22 07 19 00-0080	LF		24" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	109.90	18.94

**22 07 19 00-0081 3" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)**

22 07 19 00-0082	LF		1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	21.52	4.75
22 07 19 00-0083	LF		3/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	21.82	4.75
22 07 19 00-0084	LF		1" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	22.61	4.79
22 07 19 00-0085	LF		1-1/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	23.22	4.82
22 07 19 00-0086	LF		1-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	23.93	4.88
22 07 19 00-0087	LF		2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	24.86	5.06
22 07 19 00-0088	LF		2-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	26.25	5.23
22 07 19 00-0089	LF		3" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	27.53	5.42
22 07 19 00-0090	LF		4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	30.44	5.72
22 07 19 00-0091	LF		6" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	34.89	6.50
22 07 19 00-0092	LF		8" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	46.49	7.23
22 07 19 00-0093	LF		10" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	55.53	8.35
22 07 19 00-0094	LF		12" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	63.17	10.38
22 07 19 00-0095	LF		14" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	71.40	11.33
22 07 19 00-0096	LF		16" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	84.09	14.48
22 07 19 00-0097	LF		18" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	90.41	15.21
22 07 19 00-0098	LF		20" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	102.65	17.39
22 07 19 00-0099	LF		24" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	120.75	20.99

**22 07 19 00-0100 3-1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)**

22 07 19 00-0101	LF		1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	23.21	5.15
22 07 19 00-0102	LF		3/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	23.55	5.15
22 07 19 00-0103	LF		1" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	24.69	5.15
22 07 19 00-0104	LF		1-1/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	25.36	5.26
22 07 19 00-0105	LF		1-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	26.16	5.26
22 07 19 00-0106	LF		2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	27.12	5.47
22 07 19 00-0107	LF		2-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	28.65	5.69
22 07 19 00-0108	LF		3" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	29.95	5.90
22 07 19 00-0109	LF		4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	33.27	6.23
22 07 19 00-0110	LF		6" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	38.10	7.08
22 07 19 00-0111	LF		8" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	50.77	7.84
22 07 19 00-0112	LF		10" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	60.65	9.02
22 07 19 00-0113	LF		12" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	68.99	11.27
22 07 19 00-0114	LF		14" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	78.01	12.34
22 07 19 00-0115	LF		16" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	91.87	15.68
22 07 19 00-0116	LF		18" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	98.76	16.53
22 07 19 00-0117	LF		20" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	112.14	18.89
22 07 19 00-0118	LF		24" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	131.89	22.76

**22 07 19 00-0119 4" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)**

22 07 19 00-0120	LF		1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	26.30	5.79
22 07 19 00-0121	LF		3/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	26.67	5.79
22 07 19 00-0122	LF		1" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	27.74	5.79
22 07 19 00-0123	LF		1-1/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	28.59	5.90
22 07 19 00-0124	LF		1-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	29.76	6.12
22 07 19 00-0125	LF		2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	30.85	6.34
22 07 19 00-0126	LF		2-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	32.22	6.34
22 07 19 00-0127	LF		3" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	33.82	6.66
22 07 19 00-0128	LF		4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	37.39	6.98
22 07 19 00-0129	LF		6" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	42.85	7.95
22 07 19 00-0130	LF		8" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	57.12	8.58
22 07 19 00-0131	LF		10" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	68.25	10.20
22 07 19 00-0132	LF		12" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	77.63	12.66
22 07 19 00-0133	LF		14" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	87.78	13.85
22 07 19 00-0134	LF		16" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	103.40	17.71
22 07 19 00-0135	LF		18" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	111.06	18.57
22 07 19 00-0136	LF		20" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	124.57	21.26
22 07 19 00-0137	LF		24" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	148.40	25.66

**22 07 19 00-0138 Foamglas (Cellular Glass) Pipe Insulation, Rigid, Closed Cell (22 07 19)**

Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.

**22 Plumbing****22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
22 07 19 00-0139	<b>1" Thick Foamglas Pipe Insulation (22 07 19 00-0138)</b>		
22 07 19 00-0140	LF 1/2" Diameter Pipe, 1" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	18.57 4.76	5.24
22 07 19 00-0141	LF 3/4" Diameter Pipe, 1" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	19.25 4.76	5.24
22 07 19 00-0142	LF 1" Diameter Pipe, 1" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	20.16 4.83	5.31
22 07 19 00-0143	LF 1-1/4" Diameter Pipe, 1" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	20.63 4.90	5.39
22 07 19 00-0144	LF 1-1/2" Diameter Pipe, 1" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	21.32 4.97	5.46
22 07 19 00-0145	LF 2" Diameter Pipe, 1" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	22.66 5.11	5.61
22 07 19 00-0146	LF 2-1/2" Diameter Pipe, 1" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	24.33 5.32	5.85
22 07 19 00-0147	LF 3" Diameter Pipe, 1" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	26.13 5.45	6.00
22 07 19 00-0148	LF 4" Diameter Pipe, 1" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	30.03 5.87	6.45
22 07 19 00-0149	LF 6" Diameter Pipe, 1" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	37.91 6.62	7.27
22 07 19 00-0150	<b>1-1/2" Thick Foamglas Pipe Insulation (22 07 19 00-0138)</b>		
22 07 19 00-0151	LF 1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	21.79 5.11	5.80
22 07 19 00-0152	LF 3/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	22.22 5.11	5.80
22 07 19 00-0153	LF 1" Diameter Pipe, 1-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	22.88 5.18	5.88
22 07 19 00-0154	LF 1-1/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	23.42 5.24	5.95
22 07 19 00-0155	LF 1-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	23.92 5.31	6.04
22 07 19 00-0156	LF 2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	25.85 5.49	6.24
22 07 19 00-0157	LF 2-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	29.07 5.70	6.48
22 07 19 00-0158	LF 3" Diameter Pipe, 1-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	31.93 5.87	6.67
22 07 19 00-0159	LF 4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	36.02 6.25	7.09
22 07 19 00-0160	LF 6" Diameter Pipe, 1-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	42.32 7.07	8.04
22 07 19 00-0161	LF 8" Diameter Pipe, 1-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	47.32 7.89	8.97
22 07 19 00-0162	LF 10" Diameter Pipe, 1-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	57.23 9.09	10.34
22 07 19 00-0163	LF 12" Diameter Pipe, 1-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	68.09 11.30	12.84
22 07 19 00-0164	LF 14" Diameter Pipe, 1-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	75.56 12.28	13.52
22 07 19 00-0165	LF 16" Diameter Pipe, 1-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	83.25 13.72	15.09
22 07 19 00-0166	LF 18" Diameter Pipe, 1-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	94.60 16.23	17.85
22 07 19 00-0167	LF 20" Diameter Pipe, 1-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	105.62 17.97	19.77
22 07 19 00-0168	LF 24" Diameter Pipe, 1-1/2" Thick Fiberglass Insulation ..... <i>For Work In Restricted Working Space, Add</i>	130.97 19.91	21.90
22 07 19 00-0169	<b>2" Thick Foamglas Pipe Insulation (22 07 19 00-0138)</b>		
22 07 19 00-0170	LF 1/2" Diameter Pipe, 2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	24.39 5.45	6.00
22 07 19 00-0171	LF 3/4" Diameter Pipe, 2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	25.06 5.45	6.00
22 07 19 00-0172	LF 1" Diameter Pipe, 2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	25.95 5.52	6.06
22 07 19 00-0173	LF 1-1/4" Diameter Pipe, 2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	27.24 5.59	6.16
22 07 19 00-0174	LF 1-1/2" Diameter Pipe, 2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	28.53 5.66	6.23
22 07 19 00-0175	LF 2" Diameter Pipe, 2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	31.73 5.87	6.45
22 07 19 00-0176	LF 2-1/2" Diameter Pipe, 2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	33.26 6.08	6.69
22 07 19 00-0177	LF 3" Diameter Pipe, 2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	35.60 6.28	6.90
22 07 19 00-0178	LF 4" Diameter Pipe, 2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	39.93 6.62	7.29
22 07 19 00-0179	LF 6" Diameter Pipe, 2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	47.62 7.52	8.28
22 07 19 00-0180	LF 8" Diameter Pipe, 2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	53.03 8.39	9.23
22 07 19 00-0181	LF 10" Diameter Pipe, 2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	64.35 9.68	10.64

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0182	LF		12" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	79.73 12.02	13.23
22 07 19 00-0183	LF		14" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	85.26 13.12	14.44
22 07 19 00-0184	LF		16" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	101.23 16.78	18.46
22 07 19 00-0185	LF		18" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	110.14 17.61	19.37
22 07 19 00-0186	LF		20" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	122.06 20.13	22.14
22 07 19 00-0187	LF		24" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	152.79 24.32	26.75
<b>22 07 19 00-0188      2-1/2" Thick Foamglas Pipe Insulation (22 07 19 00-0138)</b>					
22 07 19 00-0189	LF		1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	29.38 5.91	6.51
22 07 19 00-0190	LF		3/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	30.51 5.91	6.50
22 07 19 00-0191	LF		1" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	32.00 6.01	6.60
22 07 19 00-0192	LF		1-1/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	33.29 6.05	6.66
22 07 19 00-0193	LF		1-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	34.60 6.10	6.71
22 07 19 00-0194	LF		2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	37.02 6.35	6.98
22 07 19 00-0195	LF		2-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	39.34 6.57	7.22
22 07 19 00-0196	LF		3" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	42.61 6.80	7.48
22 07 19 00-0197	LF		4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	47.61 7.17	7.88
22 07 19 00-0198	LF		6" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	56.79 8.15	8.97
22 07 19 00-0199	LF		8" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	63.28 9.08	9.99
22 07 19 00-0200	LF		10" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	72.23 10.47	11.51
22 07 19 00-0201	LF		12" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	89.94 13.02	14.32
22 07 19 00-0202	LF		14" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	93.98 14.21	15.63
22 07 19 00-0203	LF		16" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	111.26 18.16	19.98
22 07 19 00-0204	LF		18" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	120.77 19.07	20.97
22 07 19 00-0205	LF		20" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	138.82 21.80	23.97
22 07 19 00-0206	LF		24" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	173.55 26.33	28.97
<b>22 07 19 00-0207      3" Thick Foamglas Pipe Insulation (22 07 19 00-0138)</b>					
22 07 19 00-0208	LF		1/2" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	35.24 6.29	6.91
22 07 19 00-0209	LF		3/4" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	35.92 6.29	6.91
22 07 19 00-0210	LF		1" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	36.96 6.39	7.03
22 07 19 00-0211	LF		1-1/4" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	37.79 6.44	7.07
22 07 19 00-0212	LF		1-1/2" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	38.66 6.49	7.14
22 07 19 00-0213	LF		2" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	41.49 6.76	7.42
22 07 19 00-0214	LF		2-1/2" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	44.18 6.98	7.69
22 07 19 00-0215	LF		3" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	49.99 7.23	7.96
22 07 19 00-0216	LF		4" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	56.87 7.62	8.38
22 07 19 00-0217	LF		6" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	62.36 8.66	9.53
22 07 19 00-0218	LF		8" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	70.41 9.67	10.63
22 07 19 00-0219	LF		10" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	83.88 11.14	12.26
22 07 19 00-0220	LF		12" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	97.69 13.85	15.23
22 07 19 00-0221	LF		14" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	104.68 15.12	16.63
22 07 19 00-0222	LF		16" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	125.33 19.32	21.26
22 07 19 00-0223	LF		18" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	134.06 20.29	22.31
22 07 19 00-0224	LF		20" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	156.94 23.19	25.51

**22 Plumbing****22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0225	LF		24" Diameter Pipe, 3" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	191.76 28.01	30.82
<b>22 07 19 00-0226</b>			<b>3-1/2" Thick Foamglas Pipe Insulation</b> (22 07 19 00-0138)		
22 07 19 00-0227	LF		1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	42.45 7.62	8.38
22 07 19 00-0228	LF		3/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	43.32 7.62	8.38
22 07 19 00-0229	LF		1" Diameter Pipe, 3-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	44.35 7.67	8.44
22 07 19 00-0230	LF		1-1/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	45.37 7.72	8.49
22 07 19 00-0231	LF		1-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	46.56 7.82	8.60
22 07 19 00-0232	LF		2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	51.10 8.09	8.90
22 07 19 00-0233	LF		2-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	55.67 8.37	9.21
22 07 19 00-0234	LF		3" Diameter Pipe, 3-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	58.75 8.66	9.53
22 07 19 00-0235	LF		4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	62.89 9.16	10.08
22 07 19 00-0236	LF		6" Diameter Pipe, 3-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	72.37 10.40	11.44
22 07 19 00-0237	LF		8" Diameter Pipe, 3-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	82.22 11.58	12.74
22 07 19 00-0238	LF		10" Diameter Pipe, 3-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	98.21 13.37	14.71
22 07 19 00-0239	LF		12" Diameter Pipe, 3-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	116.26 16.62	18.28
22 07 19 00-0240	LF		14" Diameter Pipe, 3-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	121.49 18.14	19.96
22 07 19 00-0241	LF		16" Diameter Pipe, 3-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	146.00 23.19	25.51
22 07 19 00-0242	LF		18" Diameter Pipe, 3-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	160.18 24.35	26.79
22 07 19 00-0243	LF		20" Diameter Pipe, 3-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	182.40 27.85	30.63
22 07 19 00-0244	LF		24" Diameter Pipe, 3-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	223.85 33.62	36.98
<b>22 07 19 00-0245</b>			<b>4" Thick Foamglas Pipe Insulation</b> (22 07 19 00-0138)		
22 07 19 00-0246	LF		1/2" Diameter Pipe, 4" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	51.72 9.37	10.31
22 07 19 00-0247	LF		3/4" Diameter Pipe, 4" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	52.83 9.37	10.31
22 07 19 00-0248	LF		1" Diameter Pipe, 4" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	54.48 9.53	10.48
22 07 19 00-0249	LF		1-1/4" Diameter Pipe, 4" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	55.96 9.64	10.61
22 07 19 00-0250	LF		1-1/2" Diameter Pipe, 4" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	58.08 9.94	10.94
22 07 19 00-0251	LF		2" Diameter Pipe, 4" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	62.63 10.25	11.27
22 07 19 00-0252	LF		2-1/2" Diameter Pipe, 4" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	66.66 10.41	11.45
22 07 19 00-0253	LF		3" Diameter Pipe, 4" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	69.96 10.79	11.88
22 07 19 00-0254	LF		4" Diameter Pipe, 4" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	76.51 12.04	13.24
22 07 19 00-0255	LF		6" Diameter Pipe, 4" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	88.26 12.92	14.21
22 07 19 00-0256	LF		8" Diameter Pipe, 4" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	99.51 14.01	15.41
22 07 19 00-0257	LF		10" Diameter Pipe, 4" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	114.12 16.65	18.32
22 07 19 00-0258	LF		12" Diameter Pipe, 4" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	133.62 20.68	22.75
22 07 19 00-0259	LF		14" Diameter Pipe, 4" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	145.32 22.59	24.84
22 07 19 00-0260	LF		16" Diameter Pipe, 4" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	172.96 28.88	31.76
22 07 19 00-0261	LF		18" Diameter Pipe, 4" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	191.99 30.26	33.29
22 07 19 00-0262	LF		20" Diameter Pipe, 4" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	215.39 34.64	38.10
22 07 19 00-0263	LF		24" Diameter Pipe, 4" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	272.71 41.84	46.03
<b>22 07 19 00-0264</b>			<b>Polyisocyanurate Pipe Insulation</b> (22 07 19)		

Note: Dow Trymer insulation with Saran vapor wrap. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>22 07 19 00-0265</b>	<b>1/2" Thick Polyisocyanurate Pipe Insulation</b> (22 07 19 00-0264)		
22 07 19 00-0266	LF 1/2" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation.....	9.43	2.47
22 07 19 00-0267	LF 3/4" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation.....	10.41	2.58
22 07 19 00-0268	LF 1" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation.....	10.98	2.79
22 07 19 00-0269	LF 1-1/4" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation.....	11.57	2.90
22 07 19 00-0270	LF 1-1/2" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation.....	11.90	2.90
22 07 19 00-0271	LF 2" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation.....	12.55	3.00
22 07 19 00-0272	LF 2-1/2" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation.....	13.46	3.11
22 07 19 00-0273	LF 3" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation.....	14.35	3.32
22 07 19 00-0274	LF 4" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation.....	16.92	3.97
22 07 19 00-0275	LF 6" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation.....	20.21	4.51
22 07 19 00-0276	LF 8" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation.....	23.91	5.26
22 07 19 00-0277	LF 10" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation.....	26.92	5.69
22 07 19 00-0278	LF 12" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation.....	32.04	6.98

<b>22 07 19 00-0279</b>	<b>1" Thick Polyisocyanurate Pipe Insulation</b> (22 07 19 00-0264)		
22 07 19 00-0280	LF 1/2" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	11.01	2.58
22 07 19 00-0281	LF 3/4" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	12.37	2.79
22 07 19 00-0282	LF 1" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	13.05	2.90
22 07 19 00-0283	LF 1-1/4" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	13.77	3.00
22 07 19 00-0284	LF 1-1/2" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	14.36	3.11
22 07 19 00-0285	LF 2" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	15.21	3.11
22 07 19 00-0286	LF 2-1/2" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	16.35	3.32
22 07 19 00-0287	LF 3" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	17.57	3.55
22 07 19 00-0288	LF 4" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	20.79	4.19
22 07 19 00-0289	LF 6" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	26.28	5.26
22 07 19 00-0290	LF 8" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	31.61	6.23
22 07 19 00-0291	LF 10" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	36.13	6.98
22 07 19 00-0292	LF 12" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	40.84	7.84

<b>22 07 19 00-0293</b>	<b>1-1/2" Thick Polyisocyanurate Pipe Insulation</b> (22 07 19 00-0264)		
22 07 19 00-0294	LF 3/4" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation.....	13.93	2.90
22 07 19 00-0295	LF 1" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation.....	14.73	3.00
22 07 19 00-0296	LF 1-1/4" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation.....	15.64	3.11
22 07 19 00-0297	LF 1-1/2" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation.....	16.32	3.22
22 07 19 00-0298	LF 2" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation.....	17.33	3.32
22 07 19 00-0299	LF 2-1/2" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation.....	18.77	3.55
22 07 19 00-0300	LF 3" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation.....	20.19	3.65
22 07 19 00-0301	LF 4" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation.....	23.94	4.51
22 07 19 00-0302	LF 6" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation.....	30.61	5.69
22 07 19 00-0303	LF 8" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation.....	37.27	6.98
22 07 19 00-0304	LF 10" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation.....	42.86	7.84
22 07 19 00-0305	LF 12" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation.....	47.25	8.37

<b>22 07 19 00-0306</b>	<b>2" Thick Polyisocyanurate Pipe Insulation</b> (22 07 19 00-0264)		
22 07 19 00-0307	LF 3/4" Diameter Pipe, 2" Thick Polyisocyanurate Insulation.....	17.78	3.00
22 07 19 00-0308	LF 1" Diameter Pipe, 2" Thick Polyisocyanurate Insulation.....	18.90	3.11
22 07 19 00-0309	LF 1-1/4" Diameter Pipe, 2" Thick Polyisocyanurate Insulation.....	19.90	3.32
22 07 19 00-0310	LF 1-1/2" Diameter Pipe, 2" Thick Polyisocyanurate Insulation.....	20.74	3.32
22 07 19 00-0311	LF 2" Diameter Pipe, 2" Thick Polyisocyanurate Insulation.....	21.51	3.55
22 07 19 00-0312	LF 2-1/2" Diameter Pipe, 2" Thick Polyisocyanurate Insulation.....	23.34	3.76
22 07 19 00-0313	LF 3" Diameter Pipe, 2" Thick Polyisocyanurate Insulation.....	24.54	3.97
22 07 19 00-0314	LF 4" Diameter Pipe, 2" Thick Polyisocyanurate Insulation.....	29.27	4.84
22 07 19 00-0315	LF 6" Diameter Pipe, 2" Thick Polyisocyanurate Insulation.....	35.73	6.23
22 07 19 00-0316	LF 8" Diameter Pipe, 2" Thick Polyisocyanurate Insulation.....	46.65	7.84
22 07 19 00-0317	LF 10" Diameter Pipe, 2" Thick Polyisocyanurate Insulation.....	49.76	9.02
22 07 19 00-0318	LF 12" Diameter Pipe, 2" Thick Polyisocyanurate Insulation.....	54.18	9.66

**22 07 19 00-0319** **Flexible Polyethylene Tubing Closed Cell Foam Insulation** (22 07 19)  
 Note: UV resistant standard temperature (-90 Degree F To +212 Degree F). For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.

<b>22 07 19 00-0320</b>	<b>3/8" Wall Flexible Polyethylene Tubing Foam Insulation</b> (22 07 19 00-0319)		
22 07 19 00-0321	LF 1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	6.90	3.21
22 07 19 00-0322	LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	6.91	3.21
22 07 19 00-0323	LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	7.20	3.32
22 07 19 00-0324	LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	7.49	3.44
22 07 19 00-0325	LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	7.78	3.50
22 07 19 00-0326	LF 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	8.11	3.56
22 07 19 00-0327	LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	8.26	3.56
22 07 19 00-0328	LF 2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	8.65	3.56
22 07 19 00-0329	LF 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	9.40	3.66
22 07 19 00-0330	LF 3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	9.73	3.73

<b>22 07 19 00-0331</b>	<b>1/2" Wall Flexible Polyethylene Tubing Foam Insulation</b> (22 07 19 00-0319)		
22 07 19 00-0332	LF 1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	7.67	3.50
22 07 19 00-0333	LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	7.76	3.50
22 07 19 00-0334	LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	7.89	3.56
22 07 19 00-0335	LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	8.06	3.58

MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

22 07 19 00-0336	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	8.48	3.66
22 07 19 00-0337	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	8.83	3.73
22 07 19 00-0338	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	9.25	3.78
22 07 19 00-0339	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	9.76	3.83
22 07 19 00-0340	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	10.63	3.95
22 07 19 00-0341	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	11.54	4.00
22 07 19 00-0342	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	12.40	4.06
22 07 19 00-0343	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	12.91	4.11
<b>22 07 19 00-0344</b>		<b>3/4" Wall Flexible Polyethylene Tubing Foam Insulation (22 07 19 00-0319)</b>		
22 07 19 00-0345	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	8.57	3.78
22 07 19 00-0346	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	8.68	3.83
22 07 19 00-0347	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	9.26	3.95
22 07 19 00-0348	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	9.52	4.00
22 07 19 00-0349	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	10.25	4.11
22 07 19 00-0350	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	11.00	4.18
22 07 19 00-0351	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	11.34	4.20
22 07 19 00-0352	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	12.74	4.23
22 07 19 00-0353	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	14.66	4.33
22 07 19 00-0354	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	14.77	4.40
22 07 19 00-0355	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	16.15	4.45
22 07 19 00-0356	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	16.72	4.51
<b>22 07 19 00-0357</b>		<b>1" Wall Flexible Polyethylene Tubing Foam Insulation (22 07 19 00-0319)</b>		
22 07 19 00-0358	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	9.78	4.18
22 07 19 00-0359	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	10.04	4.23
22 07 19 00-0360	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	10.88	4.33
22 07 19 00-0361	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	11.13	4.40
22 07 19 00-0362	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	12.40	4.51
22 07 19 00-0363	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	13.02	4.62
22 07 19 00-0364	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	13.27	4.68
22 07 19 00-0365	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	14.51	4.73
22 07 19 00-0366	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	15.38	4.86
22 07 19 00-0367	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	16.15	4.91
<b>22 07 19 00-0368</b>		<b>Flexible Elastomeric Tubing Closed Cell Foam Insulation (22 07 19)</b>		
Note: For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.				
<b>22 07 19 00-0369</b>		<b>3/8" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0368)</b>		
22 07 19 00-0370	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	7.19	3.21
22 07 19 00-0371	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	7.32	3.21
22 07 19 00-0372	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	7.62	3.32
22 07 19 00-0373	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	7.79	3.38
22 07 19 00-0374	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	7.98	3.44
22 07 19 00-0375	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	8.24	3.50
22 07 19 00-0376	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	8.46	3.56
22 07 19 00-0377	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	8.70	3.56
22 07 19 00-0378	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	8.90	3.56
22 07 19 00-0379	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	9.11	3.61
<i>For Work In Restricted Working Space, Add</i>			2.16	
22 07 19 00-0380	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	9.41	3.66
22 07 19 00-0381	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	9.67	3.66
22 07 19 00-0382	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	9.85	3.73
22 07 19 00-0383	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	10.13	3.73
22 07 19 00-0384	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	10.71	3.78
22 07 19 00-0385	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	11.39	3.83
22 07 19 00-0386	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	12.14	3.86
<b>22 07 19 00-0387</b>		<b>1/2" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0368)</b>		
22 07 19 00-0388	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	8.15	3.50
22 07 19 00-0389	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	8.26	3.50
22 07 19 00-0390	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	8.38	3.56
22 07 19 00-0391	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	8.58	3.56
<i>For Work In Restricted Working Space, Add</i>			2.14	
22 07 19 00-0392	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	8.73	3.56
22 07 19 00-0393	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	9.09	3.66
22 07 19 00-0394	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	9.43	3.73
22 07 19 00-0395	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	9.74	3.78
22 07 19 00-0396	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	10.06	3.81
<i>For Work In Restricted Working Space, Add</i>			2.28	
22 07 19 00-0397	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	10.32	3.83
22 07 19 00-0398	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	11.30	3.90
<i>For Work In Restricted Working Space, Add</i>			2.34	
22 07 19 00-0399	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	11.87	3.95
22 07 19 00-0400	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	12.32	3.98
<i>For Work In Restricted Working Space, Add</i>			2.39	
22 07 19 00-0401	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	12.69	4.00
22 07 19 00-0402	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	12.96	4.04
<i>For Work In Restricted Working Space, Add</i>			2.42	
22 07 19 00-0403	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	13.19	4.06
22 07 19 00-0404	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	14.31	4.11

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 07 19 00-0405	LF	4"	IPS (4-1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... 14.58	14.58	4.14
			<i>For Work In Restricted Working Space, Add</i>	2.49	
22 07 19 00-0406	LF	5"	I.D. (5-9/16" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... 15.67	15.67	4.18
22 07 19 00-0407	LF	6"	IPS (6-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... 16.95	16.95	4.28
			<i>For Work In Restricted Working Space, Add</i>	2.57	
22 07 19 00-0408	LF	8"	IPS (8-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... 18.39	18.39	4.40
			<i>For Work In Restricted Working Space, Add</i>	2.64	

**22 07 19 00-0409 3/4" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0368)**

22 07 19 00-0410	LF	1/4"	I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... 9.41	9.41	3.78
22 07 19 00-0411	LF	3/8"	I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... 9.68	9.68	3.83
22 07 19 00-0412	LF	1/2"	I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... 10.08	10.08	3.95
22 07 19 00-0413	LF	5/8"	I.D. (3/4" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... 10.33	10.33	3.98
			<i>For Work In Restricted Working Space, Add</i>	2.39	
22 07 19 00-0414	LF	3/4"	I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... 10.44	10.44	4.00
22 07 19 00-0415	LF	1"	I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... 11.03	11.03	4.11
22 07 19 00-0416	LF	1-1/4"	I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... 11.51	11.51	4.18
22 07 19 00-0417	LF	1-1/2"	I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... 12.00	12.00	4.23
22 07 19 00-0418	LF	1-1/2"	IPS (1-7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... 12.13	12.13	4.23
			<i>For Work In Restricted Working Space, Add</i>	2.54	
22 07 19 00-0419	LF	2"	I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... 12.31	12.31	4.26
22 07 19 00-0420	LF	2"	IPS (2-3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... 12.88	12.88	4.28
			<i>For Work In Restricted Working Space, Add</i>	2.57	
22 07 19 00-0421	LF	2-1/2"	I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... 13.19	13.19	4.33
22 07 19 00-0422	LF	2-1/2"	IPS (2-7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... 13.84	13.84	4.37
			<i>For Work In Restricted Working Space, Add</i>	2.62	
22 07 19 00-0423	LF	3"	I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... 14.30	14.30	4.40
22 07 19 00-0424	LF	3"	IPS (3-1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... 14.99	14.99	4.43
			<i>For Work In Restricted Working Space, Add</i>	2.66	
22 07 19 00-0425	LF	3-1/2"	I.D. (3-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... 15.25	15.25	4.45
22 07 19 00-0426	LF	4"	I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... 16.29	16.29	4.51
22 07 19 00-0427	LF	4"	IPS (4-1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... 17.12	17.12	4.54
			<i>For Work In Restricted Working Space, Add</i>	2.72	
22 07 19 00-0428	LF	5"	IPS (5-9/16" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... 18.52	18.52	4.56
22 07 19 00-0429	LF	6"	IPS (6-5/8" O.D.) Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... 19.99	19.99	4.62
22 07 19 00-0430	LF	8"	IPS (8-5/8" O.D.) Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... 21.77	21.77	4.73
			<i>For Work In Restricted Working Space, Add</i>	2.84	

**22 07 19 00-0431 1" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0368)**

22 07 19 00-0432	LF	1/4"	I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... 11.06	11.06	4.16
			<i>For Work In Restricted Working Space, Add</i>	2.50	
22 07 19 00-0433	LF	3/8"	I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... 11.40	11.40	4.23
			<i>For Work In Restricted Working Space, Add</i>	2.54	
22 07 19 00-0434	LF	1/2"	I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... 11.82	11.82	4.33
22 07 19 00-0435	LF	5/8"	I.D. (3/4" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... 12.18	12.18	4.37
			<i>For Work In Restricted Working Space, Add</i>	2.62	
22 07 19 00-0436	LF	3/4"	I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... 12.51	12.51	4.40
22 07 19 00-0437	LF	1"	I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... 13.06	13.06	4.51
22 07 19 00-0438	LF	1-1/4"	I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... 13.92	13.92	4.62
22 07 19 00-0439	LF	1-1/2"	I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... 14.37	14.37	4.62
22 07 19 00-0440	LF	1-1/2"	IPS (1-7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... 14.97	14.97	4.68
			<i>For Work In Restricted Working Space, Add</i>	2.83	
22 07 19 00-0441	LF	2"	I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... 15.18	15.18	4.73
22 07 19 00-0442	LF	2"	IPS (2-3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... 16.46	16.46	4.80
			<i>For Work In Restricted Working Space, Add</i>	2.88	
22 07 19 00-0443	LF	2-1/2"	I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... 17.46	17.46	4.86
22 07 19 00-0444	LF	2-1/2"	IPS (2-7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... 18.73	18.73	4.89
			<i>For Work In Restricted Working Space, Add</i>	2.93	
22 07 19 00-0445	LF	3"	I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... 19.10	19.10	4.91
			<i>For Work In Restricted Working Space, Add</i>	2.94	
22 07 19 00-0446	LF	3"	IPS (3-1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... 19.76	19.76	4.94
			<i>For Work In Restricted Working Space, Add</i>	2.96	
22 07 19 00-0447	LF	3-1/2"	I.D. (3-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... 20.09	20.09	4.96
			<i>For Work In Restricted Working Space, Add</i>	2.98	
22 07 19 00-0448	LF	4"	I.D. (4-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... 22.51	22.51	5.08
			<i>For Work In Restricted Working Space, Add</i>	3.04	
22 07 19 00-0449	LF	4"	IPS (4-1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... 24.16	24.16	5.13
			<i>For Work In Restricted Working Space, Add</i>	3.08	
22 07 19 00-0450	LF	5"	IPS (5-9/16" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... 26.57	26.57	5.19
			<i>For Work In Restricted Working Space, Add</i>	3.11	
22 07 19 00-0451	LF	6"	IPS (6-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... 29.15	29.15	5.30
			<i>For Work In Restricted Working Space, Add</i>	3.18	

**22 07 19 00-0452 1-1/2" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0368)**

22 07 19 00-0453	LF	3/8"	I.D. (1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... 17.05	17.05	4.67
			<i>For Work In Restricted Working Space, Add</i>	2.80	
22 07 19 00-0454	LF	1/2"	I.D. (5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... 17.48	17.48	4.77
			<i>For Work In Restricted Working Space, Add</i>	2.87	
22 07 19 00-0455	LF	5/8"	I.D. (3/4" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... 17.86	17.86	4.80
			<i>For Work In Restricted Working Space, Add</i>	2.88	
22 07 19 00-0456	LF	3/4"	I.D. (7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... 18.23	18.23	4.85
			<i>For Work In Restricted Working Space, Add</i>	2.90	
22 07 19 00-0457	LF	1"	I.D. (1-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... 18.74	18.74	4.95
			<i>For Work In Restricted Working Space, Add</i>	2.96	

**22 Plumbing****22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

22 07 19 00-0458	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	19.60	5.13
		<i>For Work In Restricted Working Space, Add</i>	3.08	
22 07 19 00-0459	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	20.79	5.06
		<i>For Work In Restricted Working Space, Add</i>	3.10	
22 07 19 00-0460	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	21.83	5.18
		<i>For Work In Restricted Working Space, Add</i>	3.14	
22 07 19 00-0461	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	22.48	5.30
		<i>For Work In Restricted Working Space, Add</i>	3.18	
22 07 19 00-0462	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	24.47	5.37
		<i>For Work In Restricted Working Space, Add</i>	3.21	
22 07 19 00-0463	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	26.36	5.43
		<i>For Work In Restricted Working Space, Add</i>	3.25	
22 07 19 00-0464	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	27.25	5.45
		<i>For Work In Restricted Working Space, Add</i>	3.26	
22 07 19 00-0465	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	28.14	5.46
		<i>For Work In Restricted Working Space, Add</i>	3.29	
22 07 19 00-0466	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	29.17	5.50
		<i>For Work In Restricted Working Space, Add</i>	3.30	
22 07 19 00-0467	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	29.82	5.52
		<i>For Work In Restricted Working Space, Add</i>	3.31	
22 07 19 00-0468	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	33.37	5.72
		<i>For Work In Restricted Working Space, Add</i>	3.42	
22 07 19 00-0469	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	35.27	5.80
		<i>For Work In Restricted Working Space, Add</i>	3.48	
22 07 19 00-0470	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	39.86	5.89
		<i>For Work In Restricted Working Space, Add</i>	3.54	
22 07 19 00-0471	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	44.42	6.07
		<i>For Work In Restricted Working Space, Add</i>	3.64	
<b>22 07 19 00-0472 2" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0368)</b>				
22 07 19 00-0473	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	24.84	5.15
		<i>For Work In Restricted Working Space, Add</i>	3.09	
22 07 19 00-0474	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	25.83	5.23
		<i>For Work In Restricted Working Space, Add</i>	3.16	
22 07 19 00-0475	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	27.55	5.27
		<i>For Work In Restricted Working Space, Add</i>	3.17	
22 07 19 00-0476	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	28.13	5.31
		<i>For Work In Restricted Working Space, Add</i>	3.18	
22 07 19 00-0477	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	29.57	5.42
		<i>For Work In Restricted Working Space, Add</i>	3.25	
22 07 19 00-0478	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	31.33	5.68
		<i>For Work In Restricted Working Space, Add</i>	3.40	
22 07 19 00-0479	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	32.38	5.54
		<i>For Work In Restricted Working Space, Add</i>	3.43	
22 07 19 00-0480	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	34.25	5.73
		<i>For Work In Restricted Working Space, Add</i>	3.49	
22 07 19 00-0481	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	36.04	5.92
		<i>For Work In Restricted Working Space, Add</i>	3.56	
22 07 19 00-0482	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	37.24	6.00
		<i>For Work In Restricted Working Space, Add</i>	3.59	
22 07 19 00-0483	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	39.71	6.07
		<i>For Work In Restricted Working Space, Add</i>	3.62	
22 07 19 00-0484	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	40.01	6.08
		<i>For Work In Restricted Working Space, Add</i>	3.65	
22 07 19 00-0485	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	42.32	6.09
		<i>For Work In Restricted Working Space, Add</i>	3.67	
22 07 19 00-0486	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	43.92	6.12
		<i>For Work In Restricted Working Space, Add</i>	3.68	
22 07 19 00-0487	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	45.63	6.16
		<i>For Work In Restricted Working Space, Add</i>	3.69	
22 07 19 00-0488	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	51.30	6.44
		<i>For Work In Restricted Working Space, Add</i>	3.85	
22 07 19 00-0489	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	54.61	6.57
		<i>For Work In Restricted Working Space, Add</i>	3.94	
22 07 19 00-0490	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	55.58	6.70
		<i>For Work In Restricted Working Space, Add</i>	4.02	
22 07 19 00-0491	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	62.43	6.97
		<i>For Work In Restricted Working Space, Add</i>	4.18	
<b>22 07 19 00-0492 Flexible Polyolefin Tubing Closed Cell Foam Insulation (22 07 19)</b>				
Note: UV stabilized, work temperature (-110 degree F to +210 degree F) 0 water vapor transmission. For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.				
<b>22 07 19 00-0493 3/8" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0492)</b>				
22 07 19 00-0494	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	6.94	3.21
22 07 19 00-0495	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.02	3.21
22 07 19 00-0496	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.28	3.32
22 07 19 00-0497	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.59	3.44
22 07 19 00-0498	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.80	3.50
22 07 19 00-0499	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.14	3.56
22 07 19 00-0500	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.41	3.56
22 07 19 00-0501	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.60	3.66
22 07 19 00-0502	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.45	3.66
22 07 19 00-0503	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.22	3.73
22 07 19 00-0504	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	12.16	3.83

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>22 07 19 00-0505</b>	<b>1/2" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0492)</b>		
22 07 19 00-0506	LF 1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	7.77	3.50
22 07 19 00-0507	LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	7.85	3.50
22 07 19 00-0508	LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	8.00	3.56
22 07 19 00-0509	LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	8.22	3.56
22 07 19 00-0510	LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	8.48	3.66
22 07 19 00-0511	LF 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation .....	8.86	3.73
22 07 19 00-0512	LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation .....	9.29	3.78
22 07 19 00-0513	LF 2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	9.70	3.83
22 07 19 00-0514	LF 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation .....	10.61	3.95
22 07 19 00-0515	LF 3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	11.42	4.00
22 07 19 00-0516	LF 4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	12.95	4.11
<b>22 07 19 00-0517</b>	<b>3/4" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0492)</b>		
22 07 19 00-0518	LF 1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	8.73	3.78
22 07 19 00-0519	LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	9.03	3.83
22 07 19 00-0520	LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	9.39	3.95
22 07 19 00-0521	LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	9.94	4.00
22 07 19 00-0522	LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	10.46	4.11
22 07 19 00-0523	LF 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation .....	11.36	4.18
22 07 19 00-0524	LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation .....	11.93	4.18
22 07 19 00-0525	LF 2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	12.60	4.23
22 07 19 00-0526	LF 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation .....	13.88	4.33
22 07 19 00-0527	LF 3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	15.05	4.40
22 07 19 00-0528	LF 4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	17.28	4.51
<b>22 07 19 00-0529</b>	<b>1" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0492)</b>		
22 07 19 00-0530	LF 1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	10.39	4.18
22 07 19 00-0531	LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	10.55	4.23
22 07 19 00-0532	LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	10.91	4.33
22 07 19 00-0533	LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	11.71	4.40
22 07 19 00-0534	LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	12.38	4.51
22 07 19 00-0535	LF 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation .....	13.06	4.62
22 07 19 00-0536	LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation .....	13.72	4.62
22 07 19 00-0537	LF 2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	15.20	4.73
22 07 19 00-0538	LF 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation .....	17.17	4.86
22 07 19 00-0539	LF 3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	18.58	4.91
<b>22 07 19 00-0540</b>	<b>Flexible Elastomeric Unicellular Insulation (22 07 19)</b>		
	Note: For refrigeration piping. For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.		
<b>22 07 19 00-0541</b>	<b>3/8" Wall Flexible Elastomeric Unicellular Insulation (22 07 19 00-0540)</b>		
22 07 19 00-0542	LF 3/8" I.D. (1/2" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation .....	7.39	3.21
	For Work In Restricted Working Space, Add	1.93	
22 07 19 00-0543	LF 1/2" I.D. (5/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation .....	7.77	3.32
	For Work In Restricted Working Space, Add	2.00	
22 07 19 00-0544	LF 3/4" I.D. (7/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation .....	8.12	3.45
	For Work In Restricted Working Space, Add	2.06	
22 07 19 00-0545	LF 1" I.D. (1-1/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation .....	8.39	3.50
	For Work In Restricted Working Space, Add	2.10	
22 07 19 00-0546	LF 1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation.....	8.69	3.56
	For Work In Restricted Working Space, Add	2.13	
22 07 19 00-0547	LF 1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation.....	9.11	3.58
	For Work In Restricted Working Space, Add	2.14	
22 07 19 00-0548	LF 2" I.D. (2-1/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation.....	9.68	3.67
	For Work In Restricted Working Space, Add	2.20	
22 07 19 00-0549	LF 2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation.....	10.92	3.70
	For Work In Restricted Working Space, Add	2.21	
22 07 19 00-0550	LF 3" I.D. (3-1/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation .....	11.85	3.75
	For Work In Restricted Working Space, Add	2.25	
<b>22 07 19 00-0551</b>	<b>1/2" Wall Flexible Elastomeric Unicellular Insulation (22 07 19 00-0540)</b>		
22 07 19 00-0552	LF 3/8" I.D. (1/2" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation .....	8.35	3.45
	For Work In Restricted Working Space, Add	2.07	
22 07 19 00-0553	LF 1/2" I.D. (5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation .....	8.71	3.56
	For Work In Restricted Working Space, Add	2.13	
22 07 19 00-0554	LF 3/4" I.D. (7/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation .....	8.96	3.56
	For Work In Restricted Working Space, Add	2.15	
22 07 19 00-0555	LF 1" I.D. (1-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation.....	9.34	3.66
	For Work In Restricted Working Space, Add	2.20	
22 07 19 00-0556	LF 1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation .....	9.64	3.73
	For Work In Restricted Working Space, Add	2.23	
22 07 19 00-0557	LF 1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation.....	10.10	3.78
	For Work In Restricted Working Space, Add	2.27	
22 07 19 00-0558	LF 2" I.D. (2-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation .....	10.92	3.83
	For Work In Restricted Working Space, Add	2.30	
22 07 19 00-0559	LF 2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation .....	12.28	3.95
	For Work In Restricted Working Space, Add	2.37	
22 07 19 00-0560	LF 3" I.D. (3-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation.....	13.17	4.00
	For Work In Restricted Working Space, Add	2.40	

**22 Plumbing****22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
22 07 19 00-0561	LF	3-1/2" I.D. (3-5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	14.92 2.44		4.06
22 07 19 00-0562	LF	4" I.D. (4-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	15.75 2.47		4.11
<b>22 07 19 00-0563</b>		<b>3/4" Wall Flexible Elastomeric Unicellular Insulation</b> (22 07 19 00-0540)			
22 07 19 00-0564	LF	3/8" I.D. (1/2" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	9.76 2.25		3.76
22 07 19 00-0565	LF	1/2" I.D. (5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	10.34 2.37		3.95
22 07 19 00-0566	LF	3/4" I.D. (7/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	10.94 2.40		4.00
22 07 19 00-0567	LF	1" I.D. (1-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	11.80 2.47		4.12
22 07 19 00-0568	LF	1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	12.42 2.50		4.18
22 07 19 00-0569	LF	1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	13.88 2.54		4.23
22 07 19 00-0570	LF	2" I.D. (2-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	15.11 2.56		4.26
22 07 19 00-0571	LF	2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	17.00 2.60		4.35
22 07 19 00-0572	LF	3" I.D. (3-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	18.31 2.64		4.40
22 07 19 00-0573	LF	3-1/2" I.D. (3-5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	20.45 2.67		4.45
22 07 19 00-0574	LF	4" I.D. (4-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	21.45 2.71		4.51
<b>22 07 19 00-0575</b>		<b>1" Wall Flexible Elastomeric Unicellular Insulation</b> (22 07 19 00-0540)			
22 07 19 00-0576	LF	3/8" I.D. (1/2" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	12.45 2.50		4.18
22 07 19 00-0577	LF	1/2" I.D. (5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	13.06 2.60		4.35
22 07 19 00-0578	LF	3/4" I.D. (7/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	14.19 2.64		4.40
22 07 19 00-0579	LF	1" I.D. (1-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	15.58 2.71		4.51
22 07 19 00-0580	LF	1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	16.84 2.77		4.62
22 07 19 00-0581	LF	1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	17.78 2.81		4.68
22 07 19 00-0582	LF	2" I.D. (2-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	19.61 2.84		4.73
22 07 19 00-0583	LF	2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	24.00 2.91		4.86
22 07 19 00-0584	LF	3" I.D. (3-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	27.16 2.94		4.91
22 07 19 00-0585	LF	3-1/2" I.D. (3-5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	28.88 2.98		4.96
22 07 19 00-0586	LF	4" I.D. (4-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	32.40 3.04		5.08
<b>22 07 19 00-0587</b>		<b>Insulation Foam Rubber</b> (22 07 19)			
<b>22 07 19 00-0588</b>		<b>Covering 4x6 Sheet</b> (22 07 19 00-0587)			
22 07 19 00-0589	SF	1" Thick Foam Rubber Sheet Insulation.....	21.86		7.63
<b>22 07 19 00-0590</b>		<b>Insulation Protective Jacketing</b> (22 07 19) Note: Jacketing only and to be added to insulation prices when required.			
<b>22 07 19 00-0591</b>		<b>Aluminum Insulation Protective Jacketing With Bands</b> (22 07 19 00-0590)			
<b>22 07 19 00-0592</b>		<b>Aluminum Roll, Insulation Protective Jacketing With Bands</b> (22 07 19 00-0591)			
22 07 19 00-0593	SF	0.006" Aluminum Insulation Jacket With Bands.....	16.15		6.87
22 07 19 00-0594	SF	0.016" Aluminum Insulation Jacket With Bands.....	16.69		6.87
<b>22 07 19 00-0595</b>		<b>16 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands</b> (22 07 19 00-0591)			
22 07 19 00-0596	LF	1/2" ID, 0.016" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	8.17 0.00 0.01		1.95
22 07 19 00-0597	LF	3/4" ID, 0.016" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	8.46 0.00 0.01		1.99
22 07 19 00-0598	LF	1" ID, 0.016" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	8.76 0.01 0.01		2.05
22 07 19 00-0599	LF	1-1/4" ID, 0.016" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	9.06 0.01 0.02		2.10

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
22 07 19 00-0600	LF		1-1/2" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	9.29 0.01 0.02	2.13
22 07 19 00-0601	LF		1-3/4" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	9.53 0.01 0.02	2.16
22 07 19 00-0602	LF		2" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	9.80 0.01 0.03	2.21
22 07 19 00-0603	LF		2-1/4" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	10.11 0.01 0.03	2.25
22 07 19 00-0604	LF		2-1/2" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	10.42 0.01 0.03	2.30
22 07 19 00-0605	LF		2-3/4" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	10.68 0.01 0.03	2.34
22 07 19 00-0606	LF		3" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.00 0.01 0.04	2.39
22 07 19 00-0607	LF		3-1/4" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.33 0.02 0.04	2.44
22 07 19 00-0608	LF		3-1/2" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.65 0.02 0.04	2.50
22 07 19 00-0609	LF		3-3/4" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.95 0.02 0.04	2.54
22 07 19 00-0610	LF		4" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.30 0.02 0.05	2.60
22 07 19 00-0611	LF		4-1/4" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.67 0.02 0.05	2.67
22 07 19 00-0612	LF		4-1/2" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.06 0.02 0.05	2.73
22 07 19 00-0613	LF		4-3/4" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.37 0.02 0.06	2.79
22 07 19 00-0614	LF		5" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.78 0.02 0.06	2.86
22 07 19 00-0615	LF		5-1/4" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.21 0.02 0.06	2.94
22 07 19 00-0616	LF		5-1/2" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.55 0.03 0.06	3.00
22 07 19 00-0617	LF		5-3/4" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.02 0.03 0.07	3.09
22 07 19 00-0618	LF		6" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.49 0.03 0.07	3.18
22 07 19 00-0619	LF		6-1/4" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.80 0.03 0.07	3.22
22 07 19 00-0620	LF		6-1/2" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.10 0.03 0.07	3.27
22 07 19 00-0621	LF		7" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.61 0.03 0.08	3.35
22 07 19 00-0622	LF		7-1/4" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.03 0.03 0.08	3.44
22 07 19 00-0623	LF		7-1/2" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.36 0.03 0.09	3.50
22 07 19 00-0624	LF		8" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.82 0.04 0.09	3.56
22 07 19 00-0625	LF		8-1/2" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.27 0.04 0.10	3.61
22 07 19 00-0626	LF		9" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.85 0.04 0.10	3.70
22 07 19 00-0627	LF		9-1/2" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.34 0.04 0.11	3.77
22 07 19 00-0628	LF		10" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.82 0.04 0.11	3.84
22 07 19 00-0629	LF		10-1/2" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	20.32 0.05 0.12	3.90

**22 Plumbing****22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

22 07 19 00-0630	LF	11" ID, 0.0106 Aluminum Insulation Jacketing.....	20.96	4.01
		<i>For Stucco Embossed, Add</i>	0.05	
		<i>For Corrugated, Add</i>	0.12	
22 07 19 00-0631	LF	11-1/2" ID, 0.016" Aluminum Insulation Jacketing .....	21.50	4.09
		<i>For Stucco Embossed, Add</i>	0.05	
		<i>For Corrugated, Add</i>	0.13	
22 07 19 00-0632	LF	12" ID, 0.016" Aluminum Insulation Jacketing.....	22.03	4.17
		<i>For Stucco Embossed, Add</i>	0.05	
		<i>For Corrugated, Add</i>	0.13	
22 07 19 00-0633	LF	12-1/2" ID, 0.016" Aluminum Insulation Jacketing .....	22.75	4.29
		<i>For Stucco Embossed, Add</i>	0.06	
		<i>For Corrugated, Add</i>	0.14	
22 07 19 00-0634	LF	13" ID, 0.016" Aluminum Insulation Jacketing.....	23.13	4.34
		<i>For Stucco Embossed, Add</i>	0.06	
		<i>For Corrugated, Add</i>	0.14	
22 07 19 00-0635	LF	14" ID, 0.016" Aluminum Insulation Jacketing.....	23.76	4.38
		<i>For Stucco Embossed, Add</i>	0.06	
		<i>For Corrugated, Add</i>	0.16	
22 07 19 00-0636	LF	15" ID, 0.016" Aluminum Insulation Jacketing.....	24.55	4.47
		<i>For Stucco Embossed, Add</i>	0.07	
		<i>For Corrugated, Add</i>	0.17	
22 07 19 00-0637	LF	16" ID, 0.016" Aluminum Insulation Jacketing.....	25.18	4.52
		<i>For Stucco Embossed, Add</i>	0.07	
		<i>For Corrugated, Add</i>	0.18	
22 07 19 00-0638	LF	17" ID, 0.016" Aluminum Insulation Jacketing.....	26.00	4.61
		<i>For Stucco Embossed, Add</i>	0.08	
		<i>For Corrugated, Add</i>	0.19	
22 07 19 00-0639	LF	18" ID, 0.016" Aluminum Insulation Jacketing.....	26.49	4.66
		<i>For Stucco Embossed, Add</i>	0.08	
		<i>For Corrugated, Add</i>	0.20	
22 07 19 00-0640	LF	19" ID, 0.016" Aluminum Insulation Jacketing.....	27.48	4.78
		<i>For Stucco Embossed, Add</i>	0.08	
		<i>For Corrugated, Add</i>	0.21	
22 07 19 00-0641	LF	20" ID, 0.016" Aluminum Insulation Jacketing.....	28.14	4.83
		<i>For Stucco Embossed, Add</i>	0.09	
		<i>For Corrugated, Add</i>	0.22	
22 07 19 00-0642	LF	21" ID, 0.016" Aluminum Insulation Jacketing.....	29.02	4.94
		<i>For Stucco Embossed, Add</i>	0.09	
		<i>For Corrugated, Add</i>	0.23	
22 07 19 00-0643	LF	22" ID, 0.016" Aluminum Insulation Jacketing.....	29.67	5.00
		<i>For Stucco Embossed, Add</i>	0.10	
		<i>For Corrugated, Add</i>	0.24	
22 07 19 00-0644	LF	23" ID, 0.016" Aluminum Insulation Jacketing.....	30.59	5.11
		<i>For Stucco Embossed, Add</i>	0.10	
		<i>For Corrugated, Add</i>	0.25	
22 07 19 00-0645	LF	24" ID, 0.016" Aluminum Insulation Jacketing.....	31.26	5.18
		<i>For Stucco Embossed, Add</i>	0.11	
		<i>For Corrugated, Add</i>	0.26	

**22 07 19 00-0646 20 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands**

(22 07 19 00-0591)

22 07 19 00-0647	LF	1/2" ID, 0.020" Aluminum Insulation Jacketing.....	9.04	2.15
		<i>For Stucco Embossed, Add</i>	0.00	
		<i>For Corrugated, Add</i>	0.01	
22 07 19 00-0648	LF	3/4" ID, 0.020" Aluminum Insulation Jacketing.....	9.38	2.20
		<i>For Stucco Embossed, Add</i>	0.01	
		<i>For Corrugated, Add</i>	0.02	
22 07 19 00-0649	LF	1" ID, 0.020" Aluminum Insulation Jacketing.....	9.73	2.25
		<i>For Stucco Embossed, Add</i>	0.01	
		<i>For Corrugated, Add</i>	0.02	
22 07 19 00-0650	LF	1-1/4" ID, 0.020" Aluminum Insulation Jacketing .....	10.09	2.31
		<i>For Stucco Embossed, Add</i>	0.01	
		<i>For Corrugated, Add</i>	0.02	
22 07 19 00-0651	LF	1-1/2" ID, 0.020" Aluminum Insulation Jacketing .....	10.35	2.34
		<i>For Stucco Embossed, Add</i>	0.01	
		<i>For Corrugated, Add</i>	0.03	
22 07 19 00-0652	LF	1-3/4" ID, 0.020" Aluminum Insulation Jacketing .....	10.63	2.38
		<i>For Stucco Embossed, Add</i>	0.01	
		<i>For Corrugated, Add</i>	0.03	
22 07 19 00-0653	LF	2" ID, 0.020" Aluminum Insulation Jacketing.....	10.97	2.42
		<i>For Stucco Embossed, Add</i>	0.01	
		<i>For Corrugated, Add</i>	0.03	
22 07 19 00-0654	LF	2-1/4" ID, 0.020" Aluminum Insulation Jacketing .....	11.30	2.47
		<i>For Stucco Embossed, Add</i>	0.01	
		<i>For Corrugated, Add</i>	0.04	
22 07 19 00-0655	LF	2-1/2" ID, 0.020" Aluminum Insulation Jacketing .....	11.66	2.53
		<i>For Stucco Embossed, Add</i>	0.02	
		<i>For Corrugated, Add</i>	0.04	
22 07 19 00-0656	LF	2-3/4" ID, 0.020" Aluminum Insulation Jacketing .....	11.97	2.57
		<i>For Stucco Embossed, Add</i>	0.02	
		<i>For Corrugated, Add</i>	0.04	
22 07 19 00-0657	LF	3" ID, 0.020" Aluminum Insulation Jacketing.....	12.35	2.62
		<i>For Stucco Embossed, Add</i>	0.02	
		<i>For Corrugated, Add</i>	0.05	
22 07 19 00-0658	LF	3-1/4" ID, 0.020" Aluminum Insulation Jacketing .....	12.73	2.68
		<i>For Stucco Embossed, Add</i>	0.02	
		<i>For Corrugated, Add</i>	0.05	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0659	LF		3-1/2" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.11 0.02 0.05	2.75
22 07 19 00-0660	LF		3-3/4" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.44 0.02 0.06	2.79
22 07 19 00-0661	LF		4" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.85 0.02 0.06	2.86
22 07 19 00-0662	LF		4-1/4" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.27 0.03 0.06	2.93
22 07 19 00-0663	LF		4-1/2" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.73 0.03 0.07	3.01
22 07 19 00-0664	LF		4-3/4" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.09 0.03 0.07	3.06
22 07 19 00-0665	LF		5" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.55 0.03 0.07	3.15
22 07 19 00-0666	LF		5-1/4" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.05 0.03 0.08	3.23
22 07 19 00-0667	LF		5-1/2" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.45 0.03 0.08	3.30
22 07 19 00-0668	LF		5-3/4" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.97 0.03 0.08	3.40
22 07 19 00-0669	LF		6" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.51 0.04 0.09	3.50
22 07 19 00-0670	LF		6-1/4" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.86 0.04 0.09	3.56
22 07 19 00-0671	LF		6-1/2" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.22 0.04 0.09	3.61
22 07 19 00-0672	LF		7" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.81 0.04 0.10	3.69
22 07 19 00-0673	LF		7-1/4" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.29 0.04 0.10	3.78
22 07 19 00-0674	LF		7-1/2" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.68 0.04 0.11	3.84
22 07 19 00-0675	LF		8" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	20.22 0.05 0.11	3.91
22 07 19 00-0676	LF		8-1/2" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	20.74 0.05 0.12	3.97
22 07 19 00-0677	LF		9" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	21.43 0.05 0.13	4.07
22 07 19 00-0678	LF		9-1/2" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	22.00 0.05 0.14	4.14
22 07 19 00-0679	LF		10" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	22.57 0.06 0.14	4.22
22 07 19 00-0680	LF		10-1/2" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	23.15 0.06 0.15	4.29
22 07 19 00-0681	LF		11" ID, 0.0106 Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	23.90 0.06 0.16	4.41
22 07 19 00-0682	LF		11-1/2" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	24.52 0.07 0.16	4.50
22 07 19 00-0683	LF		12" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	25.15 0.07 0.17	4.58
22 07 19 00-0684	LF		12-1/2" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	25.96 0.07 0.18	4.72
22 07 19 00-0685	LF		13" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	26.43 0.07 0.18	4.78
22 07 19 00-0686	LF		14" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	27.19 0.08 0.20	4.82
22 07 19 00-0687	LF		15" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	28.14 0.08 0.21	4.92
22 07 19 00-0688	LF		16" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	28.90 0.09 0.23	4.98

**22 Plumbing**

**22 07 Plumbing Insulation**

**22 07 19 Plumbing Piping Insulation**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
22 07 19 00-0689	LF 17" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	29.88 0.10 0.24	5.08
22 07 19 00-0690	LF 18" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	30.46 0.10 0.25	5.14
22 07 19 00-0691	LF 19" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	31.65 0.11 0.27	5.25
22 07 19 00-0692	LF 20" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	32.45 0.11 0.28	5.31
22 07 19 00-0693	LF 21" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	33.49 0.12 0.29	5.43
22 07 19 00-0694	LF 22" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	34.28 0.12 0.31	5.49
22 07 19 00-0695	LF 23" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	35.37 0.13 0.32	5.62
22 07 19 00-0696	LF 24" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	36.19 0.13 0.34	5.69
<b>22 07 19 00-0697 24 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands (22 07 19 00-0697)</b>			
22 07 19 00-0698	LF 1/2" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	9.92 0.01 0.01	2.34
22 07 19 00-0699	LF 3/4" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	10.30 0.01 0.02	2.40
22 07 19 00-0700	LF 1" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	10.69 0.01 0.02	2.46
22 07 19 00-0701	LF 1-1/4" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.09 0.01 0.03	2.52
22 07 19 00-0702	LF 1-1/2" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.41 0.01 0.03	2.55
22 07 19 00-0703	LF 1-3/4" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.72 0.01 0.03	2.59
22 07 19 00-0704	LF 2" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.10 0.02 0.04	2.64
22 07 19 00-0705	LF 2-1/4" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.48 0.02 0.04	2.70
22 07 19 00-0706	LF 2-1/2" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.89 0.02 0.05	2.76
22 07 19 00-0707	LF 2-3/4" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.24 0.02 0.05	2.80
22 07 19 00-0708	LF 3" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.67 0.02 0.06	2.86
22 07 19 00-0709	LF 3-1/4" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.09 0.02 0.06	2.93
22 07 19 00-0710	LF 3-1/2" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.52 0.03 0.06	2.99
22 07 19 00-0711	LF 3-3/4" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.91 0.03 0.07	3.05
22 07 19 00-0712	LF 4" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.36 0.03 0.07	3.12
22 07 19 00-0713	LF 4-1/4" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.83 0.03 0.08	3.20
22 07 19 00-0714	LF 4-1/2" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.35 0.03 0.08	3.28
22 07 19 00-0715	LF 4-3/4" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.77 0.03 0.08	3.34
22 07 19 00-0716	LF 5" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.28 0.04 0.09	3.44
22 07 19 00-0717	LF 5-1/4" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.81 0.04 0.09	3.53

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
22 07 19 00-0718	LF		5-1/2" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.29 0.04 0.10	3.61
22 07 19 00-0719	LF		5-3/4" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.88 0.04 0.10	3.71
22 07 19 00-0720	LF		6" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.48 0.04 0.11	3.82
22 07 19 00-0721	LF		6-1/4" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.87 0.04 0.11	3.88
22 07 19 00-0722	LF		6-1/2" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	20.28 0.05 0.11	3.93
22 07 19 00-0723	LF		7" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	20.94 0.05 0.12	4.03
22 07 19 00-0724	LF		7-1/4" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	21.50 0.05 0.13	4.12
22 07 19 00-0725	LF		7-1/2" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	21.92 0.05 0.13	4.19
22 07 19 00-0726	LF		8" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	22.55 0.06 0.14	4.26
22 07 19 00-0727	LF		8-1/2" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	23.14 0.06 0.15	4.33
22 07 19 00-0728	LF		9" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	23.92 0.06 0.15	4.44
22 07 19 00-0729	LF		9-1/2" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	24.57 0.06 0.16	4.52
22 07 19 00-0730	LF		10" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	25.23 0.07 0.17	4.60
22 07 19 00-0731	LF		10-1/2" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	25.88 0.07 0.18	4.68
22 07 19 00-0732	LF		11" ID, 0.0106 Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	26.73 0.07 0.19	4.82
22 07 19 00-0733	LF		11-1/2" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	27.44 0.08 0.20	4.91
22 07 19 00-0734	LF		12" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	28.15 0.08 0.20	5.01
22 07 19 00-0735	LF		12-1/2" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	29.08 0.08 0.21	5.15
22 07 19 00-0736	LF		13" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	29.61 0.09 0.22	5.21
22 07 19 00-0737	LF		14" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	30.50 0.09 0.24	5.26
22 07 19 00-0738	LF		15" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	31.59 0.10 0.25	5.37
22 07 19 00-0739	LF		16" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	32.49 0.11 0.27	5.42
22 07 19 00-0740	LF		17" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	33.60 0.11 0.29	5.54
22 07 19 00-0741	LF		18" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	34.30 0.12 0.30	5.60
22 07 19 00-0742	LF		19" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	35.66 0.13 0.32	5.72
22 07 19 00-0743	LF		20" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	36.59 0.13 0.34	5.79
22 07 19 00-0744	LF		21" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	37.78 0.14 0.35	5.92
22 07 19 00-0745	LF		22" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	38.71 0.15 0.37	5.99
22 07 19 00-0746	LF		23" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	39.95 0.15 0.39	6.14
22 07 19 00-0747	LF		24" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	40.89 0.16 0.40	6.21

**22 Plumbing****22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0748			<b>32 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands</b> <small>(22 07 19 00-0591)</small>		
22 07 19 00-0749	LF		1/2" ID, 0.032" Aluminum Insulation Jacketing.....	11.13	2.60
			For Stucco Embossed, Add	0.01	
			For Corrugated, Add	0.02	
22 07 19 00-0750	LF		3/4" ID, 0.032" Aluminum Insulation Jacketing.....	11.59	2.66
			For Stucco Embossed, Add	0.01	
			For Corrugated, Add	0.02	
22 07 19 00-0751	LF		1" ID, 0.032" Aluminum Insulation Jacketing.....	12.05	2.72
			For Stucco Embossed, Add	0.01	
			For Corrugated, Add	0.03	
22 07 19 00-0752	LF		1-1/4" ID, 0.032" Aluminum Insulation Jacketing .....	12.53	2.79
			For Stucco Embossed, Add	0.01	
			For Corrugated, Add	0.03	
22 07 19 00-0753	LF		1-1/2" ID, 0.032" Aluminum Insulation Jacketing .....	12.92	2.83
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.04	
22 07 19 00-0754	LF		1-3/4" ID, 0.032" Aluminum Insulation Jacketing .....	13.30	2.87
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.05	
22 07 19 00-0755	LF		2" ID, 0.032" Aluminum Insulation Jacketing.....	13.77	2.93
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.05	
22 07 19 00-0756	LF		2-1/4" ID, 0.032" Aluminum Insulation Jacketing .....	14.23	2.99
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.06	
22 07 19 00-0757	LF		2-1/2" ID, 0.032" Aluminum Insulation Jacketing .....	14.73	3.05
			For Stucco Embossed, Add	0.03	
			For Corrugated, Add	0.06	
22 07 19 00-0758	LF		2-3/4" ID, 0.032" Aluminum Insulation Jacketing .....	15.14	3.10
			For Stucco Embossed, Add	0.03	
			For Corrugated, Add	0.07	
22 07 19 00-0759	LF		3" ID, 0.032" Aluminum Insulation Jacketing.....	15.67	3.17
			For Stucco Embossed, Add	0.03	
			For Corrugated, Add	0.07	
22 07 19 00-0760	LF		3-1/4" ID, 0.032" Aluminum Insulation Jacketing .....	16.18	3.24
			For Stucco Embossed, Add	0.03	
			For Corrugated, Add	0.08	
22 07 19 00-0761	LF		3-1/2" ID, 0.032" Aluminum Insulation Jacketing .....	16.69	3.32
			For Stucco Embossed, Add	0.03	
			For Corrugated, Add	0.09	
22 07 19 00-0762	LF		3-3/4" ID, 0.032" Aluminum Insulation Jacketing .....	17.15	3.37
			For Stucco Embossed, Add	0.04	
			For Corrugated, Add	0.09	
22 07 19 00-0763	LF		4" ID, 0.032" Aluminum Insulation Jacketing.....	17.69	3.47
			For Stucco Embossed, Add	0.04	
			For Corrugated, Add	0.10	
22 07 19 00-0764	LF		4-1/4" ID, 0.032" Aluminum Insulation Jacketing .....	18.25	3.55
			For Stucco Embossed, Add	0.04	
			For Corrugated, Add	0.10	
22 07 19 00-0765	LF		4-1/2" ID, 0.032" Aluminum Insulation Jacketing .....	18.87	3.64
			For Stucco Embossed, Add	0.04	
			For Corrugated, Add	0.11	
22 07 19 00-0766	LF		4-3/4" ID, 0.032" Aluminum Insulation Jacketing .....	19.36	3.71
			For Stucco Embossed, Add	0.05	
			For Corrugated, Add	0.11	
22 07 19 00-0767	LF		5" ID, 0.032" Aluminum Insulation Jacketing.....	19.98	3.81
			For Stucco Embossed, Add	0.05	
			For Corrugated, Add	0.12	
22 07 19 00-0768	LF		5-1/4" ID, 0.032" Aluminum Insulation Jacketing .....	20.62	3.91
			For Stucco Embossed, Add	0.05	
			For Corrugated, Add	0.12	
22 07 19 00-0769	LF		5-1/2" ID, 0.032" Aluminum Insulation Jacketing .....	21.17	3.99
			For Stucco Embossed, Add	0.05	
			For Corrugated, Add	0.13	
22 07 19 00-0770	LF		5-3/4" ID, 0.032" Aluminum Insulation Jacketing .....	21.87	4.11
			For Stucco Embossed, Add	0.05	
			For Corrugated, Add	0.14	
22 07 19 00-0771	LF		6" ID, 0.032" Aluminum Insulation Jacketing.....	22.57	4.23
			For Stucco Embossed, Add	0.06	
			For Corrugated, Add	0.14	
22 07 19 00-0772	LF		6-1/4" ID, 0.032" Aluminum Insulation Jacketing .....	23.05	4.29
			For Stucco Embossed, Add	0.06	
			For Corrugated, Add	0.15	
22 07 19 00-0773	LF		6-1/2" ID, 0.032" Aluminum Insulation Jacketing .....	23.53	4.36
			For Stucco Embossed, Add	0.06	
			For Corrugated, Add	0.15	
22 07 19 00-0774	LF		7" ID, 0.032" Aluminum Insulation Jacketing.....	24.35	4.46
			For Stucco Embossed, Add	0.07	
			For Corrugated, Add	0.16	
22 07 19 00-0775	LF		7-1/4" ID, 0.032" Aluminum Insulation Jacketing .....	24.99	4.57
			For Stucco Embossed, Add	0.07	
			For Corrugated, Add	0.17	
22 07 19 00-0776	LF		7-1/2" ID, 0.032" Aluminum Insulation Jacketing .....	25.52	4.64
			For Stucco Embossed, Add	0.07	
			For Corrugated, Add	0.17	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
					UNIT COST	UNIT COST
22 07 19 00-0777	LF			8" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	26.27 0.07 0.18	4.72
22 07 19 00-0778	LF			8-1/2" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	27.00 0.08 0.20	4.80
22 07 19 00-0779	LF			9" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	27.95 0.08 0.21	4.93
22 07 19 00-0780	LF			9-1/2" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	28.75 0.09 0.22	5.01
22 07 19 00-0781	LF			10" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	29.55 0.09 0.23	5.10
22 07 19 00-0782	LF			10-1/2" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	30.35 0.10 0.24	5.19
22 07 19 00-0783	LF			11" ID, 0.0106 Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	31.38 0.10 0.25	5.34
22 07 19 00-0784	LF			11-1/2" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	32.25 0.10 0.26	5.44
22 07 19 00-0785	LF			12" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	33.11 0.11 0.27	5.54
22 07 19 00-0786	LF			12-1/2" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	34.21 0.11 0.28	5.71
22 07 19 00-0787	LF			13" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	34.88 0.12 0.30	5.77
22 07 19 00-0788	LF			14" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	36.01 0.13 0.32	5.82
22 07 19 00-0789	LF			15" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	37.38 0.14 0.34	5.95
22 07 19 00-0790	LF			16" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	38.53 0.14 0.36	6.01
22 07 19 00-0791	LF			17" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	39.91 0.15 0.38	6.15
22 07 19 00-0792	LF			18" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	40.78 0.16 0.40	6.21
22 07 19 00-0793	LF			19" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	42.52 0.17 0.43	6.35
22 07 19 00-0794	LF			20" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	43.70 0.18 0.45	6.42
22 07 19 00-0795	LF			21" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	45.15 0.19 0.47	6.57
22 07 19 00-0796	LF			22" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	46.35 0.20 0.49	6.64
22 07 19 00-0797	LF			23" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	47.88 0.21 0.52	6.80
22 07 19 00-0798	LF			24" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	49.07 0.22 0.54	6.88
<b>22 07 19 00-0799</b>				<b>40 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands</b> (22 07 19 00-0591)		
22 07 19 00-0800	LF			1/2" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.88 0.01 0.02	2.98
22 07 19 00-0801	LF			3/4" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.42 0.01 0.03	3.05
22 07 19 00-0802	LF			1" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.98 0.01 0.04	3.13
22 07 19 00-0803	LF			1-1/4" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.56 0.02 0.04	3.20
22 07 19 00-0804	LF			1-1/2" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.03 0.02 0.05	3.25
22 07 19 00-0805	LF			1-3/4" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.51 0.02 0.06	3.30

**22 Plumbing****22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

22 07 19 00-0806	LF	2" ID, 0.040" Aluminum Insulation Jacketing.....	16.05	3.36
		<i>For Stucco Embossed, Add</i>	0.03	
		<i>For Corrugated, Add</i>	0.06	
22 07 19 00-0807	LF	2-1/4" ID, 0.040" Aluminum Insulation Jacketing .....	16.61	3.44
		<i>For Stucco Embossed, Add</i>	0.03	
		<i>For Corrugated, Add</i>	0.07	
22 07 19 00-0808	LF	2-1/2" ID, 0.040" Aluminum Insulation Jacketing .....	17.20	3.52
		<i>For Stucco Embossed, Add</i>	0.03	
		<i>For Corrugated, Add</i>	0.08	
22 07 19 00-0809	LF	2-3/4" ID, 0.040" Aluminum Insulation Jacketing .....	17.72	3.57
		<i>For Stucco Embossed, Add</i>	0.03	
		<i>For Corrugated, Add</i>	0.09	
22 07 19 00-0810	LF	3" ID, 0.040" Aluminum Insulation Jacketing.....	18.34	3.65
		<i>For Stucco Embossed, Add</i>	0.04	
		<i>For Corrugated, Add</i>	0.09	
22 07 19 00-0811	LF	3-1/4" ID, 0.040" Aluminum Insulation Jacketing .....	18.94	3.74
		<i>For Stucco Embossed, Add</i>	0.04	
		<i>For Corrugated, Add</i>	0.10	
22 07 19 00-0812	LF	3-1/2" ID, 0.040" Aluminum Insulation Jacketing .....	19.57	3.82
		<i>For Stucco Embossed, Add</i>	0.04	
		<i>For Corrugated, Add</i>	0.11	
22 07 19 00-0813	LF	3-3/4" ID, 0.040" Aluminum Insulation Jacketing .....	20.10	3.89
		<i>For Stucco Embossed, Add</i>	0.05	
		<i>For Corrugated, Add</i>	0.11	
22 07 19 00-0814	LF	4" ID, 0.040" Aluminum Insulation Jacketing.....	20.76	3.98
		<i>For Stucco Embossed, Add</i>	0.05	
		<i>For Corrugated, Add</i>	0.12	
22 07 19 00-0815	LF	4-1/4" ID, 0.040" Aluminum Insulation Jacketing .....	21.43	4.08
		<i>For Stucco Embossed, Add</i>	0.05	
		<i>For Corrugated, Add</i>	0.13	
22 07 19 00-0816	LF	4-1/2" ID, 0.040" Aluminum Insulation Jacketing .....	22.15	4.18
		<i>For Stucco Embossed, Add</i>	0.05	
		<i>For Corrugated, Add</i>	0.14	
22 07 19 00-0817	LF	4-3/4" ID, 0.040" Aluminum Insulation Jacketing .....	22.76	4.26
		<i>For Stucco Embossed, Add</i>	0.06	
		<i>For Corrugated, Add</i>	0.14	
22 07 19 00-0818	LF	5" ID, 0.040" Aluminum Insulation Jacketing.....	23.48	4.38
		<i>For Stucco Embossed, Add</i>	0.06	
		<i>For Corrugated, Add</i>	0.15	
22 07 19 00-0819	LF	5-1/4" ID, 0.040" Aluminum Insulation Jacketing .....	24.24	4.50
		<i>For Stucco Embossed, Add</i>	0.06	
		<i>For Corrugated, Add</i>	0.16	
22 07 19 00-0820	LF	5-1/2" ID, 0.040" Aluminum Insulation Jacketing .....	24.89	4.59
		<i>For Stucco Embossed, Add</i>	0.07	
		<i>For Corrugated, Add</i>	0.16	
22 07 19 00-0821	LF	5-3/4" ID, 0.040" Aluminum Insulation Jacketing .....	25.73	4.72
		<i>For Stucco Embossed, Add</i>	0.07	
		<i>For Corrugated, Add</i>	0.17	
22 07 19 00-0822	LF	6" ID, 0.040" Aluminum Insulation Jacketing.....	26.56	4.87
		<i>For Stucco Embossed, Add</i>	0.07	
		<i>For Corrugated, Add</i>	0.18	
22 07 19 00-0823	LF	6-1/4" ID, 0.040" Aluminum Insulation Jacketing .....	27.13	4.94
		<i>For Stucco Embossed, Add</i>	0.07	
		<i>For Corrugated, Add</i>	0.18	
22 07 19 00-0824	LF	6-1/2" ID, 0.040" Aluminum Insulation Jacketing .....	27.70	5.02
		<i>For Stucco Embossed, Add</i>	0.08	
		<i>For Corrugated, Add</i>	0.19	
22 07 19 00-0825	LF	7" ID, 0.040" Aluminum Insulation Jacketing.....	28.69	5.13
		<i>For Stucco Embossed, Add</i>	0.08	
		<i>For Corrugated, Add</i>	0.20	
22 07 19 00-0826	LF	7-1/4" ID, 0.040" Aluminum Insulation Jacketing .....	29.46	5.26
		<i>For Stucco Embossed, Add</i>	0.08	
		<i>For Corrugated, Add</i>	0.21	
22 07 19 00-0827	LF	7-1/2" ID, 0.040" Aluminum Insulation Jacketing .....	30.08	5.34
		<i>For Stucco Embossed, Add</i>	0.09	
		<i>For Corrugated, Add</i>	0.22	
22 07 19 00-0828	LF	8" ID, 0.040" Aluminum Insulation Jacketing.....	30.99	5.43
		<i>For Stucco Embossed, Add</i>	0.09	
		<i>For Corrugated, Add</i>	0.23	
22 07 19 00-0829	LF	8-1/2" ID, 0.040" Aluminum Insulation Jacketing .....	31.88	5.52
		<i>For Stucco Embossed, Add</i>	0.10	
		<i>For Corrugated, Add</i>	0.25	
22 07 19 00-0830	LF	9" ID, 0.040" Aluminum Insulation Jacketing.....	33.01	5.66
		<i>For Stucco Embossed, Add</i>	0.10	
		<i>For Corrugated, Add</i>	0.26	
22 07 19 00-0831	LF	9-1/2" ID, 0.040" Aluminum Insulation Jacketing .....	33.99	5.76
		<i>For Stucco Embossed, Add</i>	0.11	
		<i>For Corrugated, Add</i>	0.27	
22 07 19 00-0832	LF	10" ID, 0.040" Aluminum Insulation Jacketing.....	34.94	5.86
		<i>For Stucco Embossed, Add</i>	0.11	
		<i>For Corrugated, Add</i>	0.29	
22 07 19 00-0833	LF	10-1/2" ID, 0.040" Aluminum Insulation Jacketing .....	35.92	5.97
		<i>For Stucco Embossed, Add</i>	0.12	
		<i>For Corrugated, Add</i>	0.30	
22 07 19 00-0834	LF	11" ID, 0.0106 Aluminum Insulation Jacketing.....	37.14	6.14
		<i>For Stucco Embossed, Add</i>	0.13	
		<i>For Corrugated, Add</i>	0.31	
22 07 19 00-0835	LF	11-1/2" ID, 0.040" Aluminum Insulation Jacketing .....	38.18	6.26
		<i>For Stucco Embossed, Add</i>	0.13	
		<i>For Corrugated, Add</i>	0.33	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 07 19 00-0836	LF	12" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	39.23 0.14 0.34	6.38
22 07 19 00-0837	LF	12-1/2" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	40.54 0.14 0.36	6.57
22 07 19 00-0838	LF	13" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	41.36 0.15 0.37	6.64
22 07 19 00-0839	LF	14" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	42.76 0.16 0.40	6.70
22 07 19 00-0840	LF	15" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	44.41 0.17 0.43	6.84
22 07 19 00-0841	LF	16" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	45.83 0.18 0.45	6.91
22 07 19 00-0842	LF	17" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	47.53 0.19 0.48	7.06
22 07 19 00-0843	LF	18" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	48.58 0.20 0.50	7.14
22 07 19 00-0844	LF	19" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	50.69 0.21 0.54	7.30
22 07 19 00-0845	LF	20" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	52.16 0.23 0.57	7.38
22 07 19 00-0846	LF	21" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	53.92 0.24 0.59	7.56
22 07 19 00-0847	LF	22" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	55.38 0.25 0.62	7.64
22 07 19 00-0848	LF	23" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	57.23 0.26 0.65	7.82
22 07 19 00-0849	LF	24" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	58.71 0.27 0.68	7.92

**22 07 19 00-0850 Aluminum Insulation Protective Jacketing For Fittings (22 07 19 00-0591)**

22 07 19 00-0851	EA	1-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing .....	17.71	3.06
22 07 19 00-0852	EA	1-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing .....	18.16	3.18
22 07 19 00-0853	EA	2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	20.06	3.30
22 07 19 00-0854	EA	2-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing .....	20.26	3.35
22 07 19 00-0855	EA	2-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing .....	20.47	3.41
22 07 19 00-0856	EA	2-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing .....	20.80	3.50
22 07 19 00-0857	EA	3" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	21.74	3.58
22 07 19 00-0858	EA	3-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing .....	22.10	3.67
22 07 19 00-0859	EA	3-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing .....	23.71	3.74
22 07 19 00-0860	EA	3-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing .....	24.20	3.80
22 07 19 00-0861	EA	4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	25.03	3.90
22 07 19 00-0862	EA	4-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing .....	25.59	3.98
22 07 19 00-0863	EA	4-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing .....	25.88	4.05
22 07 19 00-0864	EA	4-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing .....	26.19	4.13
22 07 19 00-0865	EA	5" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	27.74	4.21
22 07 19 00-0866	EA	5-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing .....	29.77	4.29
22 07 19 00-0867	EA	5-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing .....	33.39	4.42
22 07 19 00-0868	EA	5-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing .....	33.76	4.52
22 07 19 00-0869	EA	6" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	32.05	4.66
22 07 19 00-0870	EA	6-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing .....	32.46	4.78
22 07 19 00-0871	EA	6-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing .....	35.86	4.94
22 07 19 00-0872	EA	7" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	39.76	5.05
22 07 19 00-0873	EA	7-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing .....	40.00	5.11
22 07 19 00-0874	EA	7-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing .....	49.44	5.18
22 07 19 00-0875	EA	8" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	42.38	5.24
22 07 19 00-0876	EA	8-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing .....	61.08	5.37
22 07 19 00-0877	EA	9" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	61.63	5.50
22 07 19 00-0878	EA	9-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing .....	51.44	5.58
22 07 19 00-0879	EA	10" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	51.74	5.65
22 07 19 00-0880	EA	10-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	52.67	5.72
22 07 19 00-0881	EA	11" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	52.98	5.80
22 07 19 00-0882	EA	11-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	57.70	5.96
22 07 19 00-0883	EA	12" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	58.03	6.04
22 07 19 00-0884	EA	12-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	85.12	6.23
22 07 19 00-0885	EA	13" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	85.49	6.32
22 07 19 00-0886	EA	14" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	106.79	6.51
22 07 19 00-0887	EA	15" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	111.28	6.71
22 07 19 00-0888	EA	16" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	119.38	6.82
22 07 19 00-0889	EA	2-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	19.28	3.41
22 07 19 00-0890	EA	2-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	19.61	3.50
22 07 19 00-0891	EA	3" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	20.71	3.58
22 07 19 00-0892	EA	3-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	21.07	3.67

**22 Plumbing**  
**22 07 Plumbing Insulation**  
**22 07 19 Plumbing Piping Insulation**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

22 07 19 00-0893	EA	3-1/2" ID Aluminum 45 Degree Elbow Insulation Jacketing.....	22.22	3.74
22 07 19 00-0894	EA	3-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	22.48	3.80
22 07 19 00-0895	EA	4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	23.03	3.90
22 07 19 00-0896	EA	4-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	24.36	3.98
22 07 19 00-0897	EA	4-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	24.65	4.05
22 07 19 00-0898	EA	4-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	24.96	4.13
22 07 19 00-0899	EA	5" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	26.75	4.21
22 07 19 00-0900	EA	5-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	27.10	4.29
22 07 19 00-0901	EA	5-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	28.11	4.42
22 07 19 00-0902	EA	6" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	29.07	4.66
22 07 19 00-0903	EA	6-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	34.12	4.94
22 07 19 00-0904	EA	7" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	34.58	5.05
22 07 19 00-0905	EA	7-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	35.19	5.18
22 07 19 00-0906	EA	8" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	35.44	5.24
22 07 19 00-0907	EA	8-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	39.51	5.37
22 07 19 00-0908	EA	9" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	40.06	5.50
22 07 19 00-0909	EA	9-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	47.34	5.58
22 07 19 00-0910	EA	10" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	47.64	5.65
22 07 19 00-0911	EA	10-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	46.32	5.72
22 07 19 00-0912	EA	11" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	46.63	5.80
22 07 19 00-0913	EA	11-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	51.99	5.96
22 07 19 00-0914	EA	12" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	52.32	6.04
22 07 19 00-0915	EA	13" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	58.28	6.32
22 07 19 00-0916	EA	14" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	66.54	6.51
22 07 19 00-0917	EA	15" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	89.27	6.71
22 07 19 00-0918	EA	16" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	94.94	6.82
22 07 19 00-0919	EA	17" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	93.78	6.92
22 07 19 00-0920	EA	18" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	103.54	7.04
22 07 19 00-0921	EA	19" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	120.71	7.15
22 07 19 00-0922	EA	20" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	118.16	7.27
22 07 19 00-0923	EA	21" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	125.75	7.40
22 07 19 00-0924	EA	2-1/2" ID, Aluminum Tee Insulation Jacketing.....	58.32	4.88
22 07 19 00-0925	EA	2-3/4" ID, Aluminum Tee Insulation Jacketing.....	58.78	5.00
22 07 19 00-0926	EA	3" ID, Aluminum Tee Insulation Jacketing.....	64.29	5.11
22 07 19 00-0927	EA	3-1/4" ID, Aluminum Tee Insulation Jacketing.....	64.78	5.24
22 07 19 00-0928	EA	3-1/2" ID Aluminum Tee Insulation Jacketing.....	67.41	5.37
22 07 19 00-0929	EA	4" ID, Aluminum Tee Insulation Jacketing.....	68.46	5.50
22 07 19 00-0930	EA	4-1/4" ID, Aluminum Tee Insulation Jacketing.....	71.72	5.65
22 07 19 00-0931	EA	4-1/2" ID, Aluminum Tee Insulation Jacketing.....	71.93	5.80
22 07 19 00-0932	EA	4-3/4" ID, Aluminum Tee Insulation Jacketing.....	72.58	5.96
22 07 19 00-0933	EA	5" ID, Aluminum Tee Insulation Jacketing.....	75.08	6.14
22 07 19 00-0934	EA	5-1/4" ID, Aluminum Tee Insulation Jacketing.....	75.80	6.32
22 07 19 00-0935	EA	5-1/2" ID, Aluminum Tee Insulation Jacketing.....	78.79	6.51
22 07 19 00-0936	EA	6" ID, Aluminum Tee Insulation Jacketing.....	79.61	6.71
22 07 19 00-0937	EA	6-1/2" ID, Aluminum Tee Insulation Jacketing.....	86.60	7.15
22 07 19 00-0938	EA	7" ID, Aluminum Tee Insulation Jacketing.....	87.59	7.40
22 07 19 00-0939	EA	7-1/2" ID, Aluminum Tee Insulation Jacketing.....	95.13	7.67
22 07 19 00-0940	EA	8" ID, Aluminum Tee Insulation Jacketing.....	96.26	7.95
22 07 19 00-0941	EA	8-1/2" ID, Aluminum Tee Insulation Jacketing.....	99.19	8.26
22 07 19 00-0942	EA	9" ID, Aluminum Tee Insulation Jacketing.....	100.51	8.58
22 07 19 00-0943	EA	9-1/2" ID, Aluminum Tee Insulation Jacketing.....	84.15	8.76
22 07 19 00-0944	EA	10" ID, Aluminum Tee Insulation Jacketing.....	84.88	8.95
22 07 19 00-0945	EA	10-1/2" ID, Aluminum Tee Insulation Jacketing.....	88.86	9.14
22 07 19 00-0946	EA	11" ID, Aluminum Tee Insulation Jacketing.....	89.65	9.34
22 07 19 00-0947	EA	11-1/2" ID, Aluminum Tee Insulation Jacketing.....	93.33	9.54
22 07 19 00-0948	EA	12" ID, Aluminum Tee Insulation Jacketing.....	94.20	9.76
22 07 19 00-0949	EA	13" ID, Aluminum Tee Insulation Jacketing.....	97.84	9.98
22 07 19 00-0950	EA	14" ID, Aluminum Tee Insulation Jacketing.....	101.63	10.23
22 07 19 00-0951	EA	15" ID, Aluminum Tee Insulation Jacketing.....	107.59	10.48
22 07 19 00-0952	EA	16" ID, Aluminum Tee Insulation Jacketing.....	110.28	10.74
22 07 19 00-0953	EA	17" ID, Aluminum Tee Insulation Jacketing.....	121.47	11.01
22 07 19 00-0954	EA	18" ID, Aluminum Tee Insulation Jacketing.....	125.64	11.30
22 07 19 00-0955	EA	19" ID, Aluminum Tee Insulation Jacketing.....	135.38	11.61
22 07 19 00-0956	EA	20" ID, Aluminum Tee Insulation Jacketing.....	138.61	11.93
22 07 19 00-0957	EA	22" ID, Aluminum Tee Insulation Jacketing.....	164.70	12.27
22 07 19 00-0958	EA	23" ID, Aluminum Tee Insulation Jacketing.....	169.36	12.63
22 07 19 00-0959	EA	24" ID, Aluminum Tee Insulation Jacketing.....	177.35	13.85

**22 07 19 00-0960 Stainless Steel Insulation Protective Jacketing With Bands (22 07 19 00-0590)**

**22 07 19 00-0961 Type 304 Stainless Steel Roll, Insulation Protective Jacketing With Bands (22 07 19 00-0960)**

22 07 19 00-0962	SF	0.010" Stainless Steel Insulation Jacket With Bands.....	19.92	8.05
22 07 19 00-0963	SF	0.016" Stainless Steel Insulation Jacket With Bands.....	24.41	9.66

**22 07 19 00-0964 10 Mil, Type 304 Stainless Steel, Insulation Protective Jacketing With Moisture Barrier And Bands (22 07 19 00-0960)**

22 07 19 00-0965	LF	2-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	10.31	1.71
22 07 19 00-0966	LF	2-3/4" ID, 0.010" Stainless Steel Insulation Jacketing.....	10.75	1.75
22 07 19 00-0967	LF	3" ID, 0.010" Stainless Steel Insulation Jacketing.....	11.20	1.79
22 07 19 00-0968	LF	3-1/4" ID, 0.010" Stainless Steel Insulation Jacketing.....	11.67	1.82
22 07 19 00-0969	LF	3-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	12.14	1.86
22 07 19 00-0970	LF	3-3/4" ID, 0.010" Stainless Steel Insulation Jacketing.....	12.61	1.90
22 07 19 00-0971	LF	4" ID, 0.010" Stainless Steel Insulation Jacketing.....	13.08	1.95







Table with 5 columns: MINOR, CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST

Main table listing items 22 07 19 00-1131 to 22 07 19 00-1152 with descriptions and costs.

22 07 19 00-1153 Polyvinyl Chloride (PVC) Insulation Protective Jacketing For Fittings (22 07 19 00-

1067)

Main table listing items 22 07 19 00-1154 to 22 07 19 00-1213 with descriptions and costs.



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks. See CSI section 23 21 13 00-0000 for black steel piping and fitting.

22 11 16 00-0001			<b>Galvanized Steel Pipe Assemblies</b> (22 11 16) Note: (ASTM A-53) Threaded and coupled. Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
22 11 16 00-0002	LF		1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly ..... 17.48 Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For ASTM 120, Deduct</i> ..... -0.61 <i>For Work In Restricted Working Space, Add</i> ..... 4.02 <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> ..... 4.52	17.48	4.04
22 11 16 00-0003	LF		3/4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly ..... 19.25 Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For ASTM 120, Deduct</i> ..... -0.76 <i>For Work In Restricted Working Space, Add</i> ..... 4.25 <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> ..... 5.12	19.25	4.34
22 11 16 00-0004	LF		1" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly ..... 21.89 Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For ASTM 120, Deduct</i> ..... -1.01 <i>For Work In Restricted Working Space, Add</i> ..... 4.55 <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> ..... 6.06	21.89	4.75
22 11 16 00-0005	LF		1-1/4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly ..... 25.73 Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For ASTM 120, Deduct</i> ..... -1.45 <i>For Work In Restricted Working Space, Add</i> ..... 4.82 <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> ..... 7.56	25.73	4.95
22 11 16 00-0006	LF		1-1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly ..... 27.83 Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For ASTM 120, Deduct</i> ..... -1.66 <i>For Work In Restricted Working Space, Add</i> ..... 5.03 <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> ..... 8.33	27.83	5.86
22 11 16 00-0007	LF		2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly ..... 33.79 Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For ASTM 120, Deduct</i> ..... -2.21 <i>For Work In Restricted Working Space, Add</i> ..... 5.73 <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> ..... 10.43	33.79	7.06
22 11 16 00-0008	LF		2-1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly ..... 50.57 Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For ASTM 120, Deduct</i> ..... -4.23 <i>For Work In Restricted Working Space, Add</i> ..... 6.71 <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> ..... 17.16	50.57	8.37
22 11 16 00-0009	LF		3" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly ..... 62.16 Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For ASTM 120, Deduct</i> ..... -5.26 <i>For Work In Restricted Working Space, Add</i> ..... 8.13 <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> ..... 21.19	62.16	11.21
22 11 16 00-0010	LF		4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly ..... 98.77 Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For ASTM 120, Deduct</i> ..... -10.39 <i>For Work In Restricted Working Space, Add</i> ..... 8.84 <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> ..... 37.08	98.77	12.62
22 11 16 00-0011	LF		5" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly ..... 181.21 Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For ASTM 120, Deduct</i> ..... -21.84 <i>For Work In Restricted Working Space, Add</i> ..... 10.69 <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> ..... 72.64	181.21	16.13
22 11 16 00-0012	LF		6" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly ..... 218.37 Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For ASTM 120, Deduct</i> ..... -26.69 <i>For Work In Restricted Working Space, Add</i> ..... 12.14 <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> ..... 88.15	218.37	19.07
22 11 16 00-0013			<b>Galvanized Steel Pipe And Threaded Fittings</b> (22 11 16) Note: (ASTM A-53) Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.		
22 11 16 00-0014			<b>Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe</b> (22 11 16 00-0013) Note: ASTM A-53. Includes coupling. Welded pipe has a weld bead on the inside.		
22 11 16 00-0015	LF		1/2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe ..... 8.23 <i>For ASTM 120, Deduct</i> ..... -0.32 <i>For Work In Restricted Working Space, Add</i> ..... 1.84 <i>For Schedule 80 Pipe, Add</i> ..... 1.62	8.23	4.04
22 11 16 00-0016	LF		3/4" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe ..... 9.30 <i>For ASTM 120, Deduct</i> ..... -0.42 <i>For Work In Restricted Working Space, Add</i> ..... 1.95 <i>For Schedule 80 Pipe, Add</i> ..... 1.99	9.30	4.34
22 11 16 00-0017	LF		1" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe ..... 11.21 <i>For ASTM 120, Deduct</i> ..... -0.62 <i>For Work In Restricted Working Space, Add</i> ..... 2.12 <i>For Schedule 80 Pipe, Add</i> ..... 2.70	11.21	4.75

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 11 Facility Water Distribution**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
22 11 16 00-0018	LF 1-1/4" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe .....	13.10	4.95
	For ASTM 120, Deduct	-0.84	
	For Work In Restricted Working Space, Add	2.24	
	For Schedule 80 Pipe, Add	3.45	
22 11 16 00-0019	LF 1-1/2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe .....	15.50	5.86
	For ASTM 120, Deduct	-1.01	
	For Work In Restricted Working Space, Add	2.63	
	For Schedule 80 Pipe, Add	4.10	
22 11 16 00-0020	LF 2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe .....	19.64	7.06
	For ASTM 120, Deduct	-1.35	
	For Work In Restricted Working Space, Add	3.19	
	For Schedule 80 Pipe, Add	5.39	
22 11 16 00-0021	LF 2-1/2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe .....	26.93	8.37
	For ASTM 120, Deduct	-2.15	
	For Work In Restricted Working Space, Add	3.79	
	For Schedule 80 Pipe, Add	8.13	
22 11 16 00-0022	LF 3" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe .....	35.56	11.21
	For ASTM 120, Deduct	-2.81	
	For Work In Restricted Working Space, Add	5.05	
	For Schedule 80 Pipe, Add	10.67	
22 11 16 00-0023	LF 4" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe .....	45.64	12.62
	For ASTM 120, Deduct	-4.00	
	For Work In Restricted Working Space, Add	5.69	
	For Schedule 80 Pipe, Add	14.69	
22 11 16 00-0024	LF 5" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe .....	59.91	16.13
	For ASTM 120, Deduct	-5.36	
	For Work In Restricted Working Space, Add	7.25	
	For Schedule 80 Pipe, Add	19.58	
22 11 16 00-0025	LF 6" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe .....	74.95	19.07
	For ASTM 120, Deduct	-6.96	
	For Work In Restricted Working Space, Add	8.57	
	For Schedule 80 Pipe, Add	25.12	
22 11 16 00-0026	LF 8" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe .....	84.62	23.05
	For ASTM 120, Deduct	-7.52	
	For Work In Restricted Working Space, Add	10.35	
	For Schedule 80 Pipe, Add	27.50	
<b>22 11 16 00-0027 Seamless, Threaded And Coupled, Galvanized Steel Pipe (22 11 16 00-0013)</b>			
Note: ASTM A-53. Includes coupling.			
22 11 16 00-0028	LF 1/2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe .....	10.09	4.04
	For ASTM 120, Deduct	-0.60	
	For Work In Restricted Working Space, Add	1.84	
	For Schedule 80 Pipe, Add	2.52	
22 11 16 00-0029	LF 3/4" Schedule 40, Seamless, Threaded Galvanized Steel Pipe .....	11.27	4.34
	For ASTM 120, Deduct	-0.71	
	For Work In Restricted Working Space, Add	1.95	
	For Schedule 80 Pipe, Add	2.94	
22 11 16 00-0030	LF 1" Schedule 40, Seamless, Threaded Galvanized Steel Pipe .....	12.59	4.75
	For ASTM 120, Deduct	-0.83	
	For Work In Restricted Working Space, Add	2.12	
	For Schedule 80 Pipe, Add	3.36	
22 11 16 00-0031	LF 1-1/4" Schedule 40, Seamless, Threaded Galvanized Steel Pipe .....	14.43	4.95
	For ASTM 120, Deduct	-1.04	
	For Work In Restricted Working Space, Add	2.24	
	For Schedule 80 Pipe, Add	4.08	
22 11 16 00-0032	LF 1-1/2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe .....	16.72	5.86
	For ASTM 120, Deduct	-1.19	
	For Work In Restricted Working Space, Add	2.63	
	For Schedule 80 Pipe, Add	4.69	
22 11 16 00-0033	LF 2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe .....	19.66	7.06
	For ASTM 120, Deduct	-1.36	
	For Work In Restricted Working Space, Add	3.19	
	For Schedule 80 Pipe, Add	5.40	
22 11 16 00-0034	LF 2-1/2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe .....	27.75	8.37
	For ASTM 120, Deduct	-2.27	
	For Work In Restricted Working Space, Add	3.79	
	For Schedule 80 Pipe, Add	8.52	
22 11 16 00-0035	LF 3" Schedule 40, Seamless, Threaded Galvanized Steel Pipe .....	35.33	11.21
	For ASTM 120, Deduct	-2.78	
	For Work In Restricted Working Space, Add	5.05	
	For Schedule 80 Pipe, Add	10.56	
22 11 16 00-0036	LF 4" Schedule 40, Seamless, Threaded Galvanized Steel Pipe .....	45.43	12.62
	For ASTM 120, Deduct	-3.97	
	For Work In Restricted Working Space, Add	5.69	
	For Schedule 80 Pipe, Add	14.59	
22 11 16 00-0037	LF 5" Schedule 40, Seamless, Threaded Galvanized Steel Pipe .....	58.67	16.13
	For ASTM 120, Deduct	-5.18	
	For Work In Restricted Working Space, Add	7.25	
	For Schedule 80 Pipe, Add	18.98	
22 11 16 00-0038	LF 6" Schedule 40, Seamless, Threaded Galvanized Steel Pipe .....	72.73	19.07
	For ASTM 120, Deduct	-6.62	
	For Work In Restricted Working Space, Add	8.57	
	For Schedule 80 Pipe, Add	24.05	

**22 11 16 00-0039 Galvanized Malleable Iron 90 Degree Elbows (22 11 16 00-0013)**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0040	EA	1/2"	150 LB, Galvanized Malleable Iron 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	32.79 -0.88 8.08 21.57	17.97
22 11 16 00-0041	EA	3/4"	150 LB, Galvanized Malleable Iron 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	37.34 -1.08 9.04 26.32	20.09
22 11 16 00-0042	EA	1"	150 LB, Galvanized Malleable Iron 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	47.01 -2.00 10.10 47.44	22.41
22 11 16 00-0043	EA	1-1/4"	150 LB, Galvanized Malleable Iron 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	59.19 -3.17 11.43 74.03	25.44
22 11 16 00-0044	EA	1-1/2"	150 LB, Galvanized Malleable Iron 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	70.51 -4.13 12.89 96.25	28.67
22 11 16 00-0045	EA	2"	150 LB, Galvanized Malleable Iron 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	99.69 -6.77 16.37 156.68	36.44
22 11 16 00-0046	EA	2-1/2"	150 LB, Galvanized Malleable Iron 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	198.82 -17.71 24.23 406.25	53.91
22 11 16 00-0047	EA	3"	150 LB, Galvanized Malleable Iron 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	300.92 -29.20 31.88 668.19	70.87
22 11 16 00-0048	EA	4"	150 LB, Galvanized Malleable Iron 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	454.02 -51.50 33.21 1,173.93	73.82
22 11 16 00-0049	EA	5"	150 LB, Galvanized Malleable Iron 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	1,598.12 -222.39 34.65 5,047.80	77.05
22 11 16 00-0050	EA	6"	150 LB, Galvanized Malleable Iron 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	1,487.58 -205.02 36.23 4,654.40	80.56
22 11 16 00-0051	EA	8"	150 LB, Galvanized Malleable Iron 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	1,775.16 -247.34 37.86 5,614.04	84.18
<b>22 11 16 00-0052</b>			<b>Galvanized Malleable Iron Reducing 90 Degree Elbows</b> <small>(22 11 16 00-0013)</small>		
22 11 16 00-0053	EA	3/4" x 1/2"	150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	41.07 -1.88 8.56	18.98
22 11 16 00-0054	EA	1" x 3/4"	150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	47.98 -2.41 9.57	21.30
22 11 16 00-0055	EA	1" x 1/2"	150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	47.35 -2.56 9.08	20.19
22 11 16 00-0056	EA	1-1/4" x 1"	150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	62.86 -4.05 10.76	23.92
22 11 16 00-0057	EA	1-1/4" x 3/4"	150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	66.53 -4.86 10.23	22.72
22 11 16 00-0058	EA	1-1/4" x 1/2"	150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	66.86 -5.15 9.75	21.71
22 11 16 00-0059	EA	1-1/2" x 1-1/4"	150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	83.64 -6.47 12.16	27.06
22 11 16 00-0060	EA	1-1/2" x 1"	150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	81.43 -6.47 11.49	25.54
22 11 16 00-0061	EA	1-1/2" x 3/4"	150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	79.66 -6.47 10.96	24.33
22 11 16 00-0062	EA	2" x 1-1/2"	150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	99.14 -7.56 14.63	32.51
22 11 16 00-0063	EA	2" x 1-1/4"	150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	104.09 -8.66 13.90	30.89
22 11 16 00-0064	EA	2" x 1"	150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	104.04 -8.99 13.23	29.38
22 11 16 00-0065	EA	2" x 3/4"	150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	87.81 -6.82 12.71	28.27

22 22 Plumbing  
22 10 Plumbing Piping  
22 11 Facility Water Distribution



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
22 11 16 00-0066	EA	2-1/2" x 2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	238.44	45.13
		<i>For ASTM 120, Deduct</i>	-25.62	
		<i>For Work In Restricted Working Space, Add</i>	20.30	
22 11 16 00-0067	EA	2-1/2" x 1-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	252.12	41.29
		<i>For ASTM 120, Deduct</i>	-28.54	
		<i>For Work In Restricted Working Space, Add</i>	18.56	
22 11 16 00-0068	EA	3" x 2-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	403.89	62.39
		<i>For ASTM 120, Deduct</i>	-46.56	
		<i>For Work In Restricted Working Space, Add</i>	28.05	
22 11 16 00-0069	EA	3" x 2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	349.99	53.60
		<i>For ASTM 120, Deduct</i>	-40.44	
		<i>For Work In Restricted Working Space, Add</i>	24.13	
22 11 16 00-0070	EA	4" x 3", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	807.64	70.22
		<i>For ASTM 120, Deduct</i>	-105.35	
		<i>For Work In Restricted Working Space, Add</i>	31.59	
22 11 16 00-0071	<b>Galvanized Malleable Iron 45 Degree Elbow (22 11 16 00-0013)</b>			
22 11 16 00-0072	EA	1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	33.83	17.97
		<i>For ASTM 120, Deduct</i>	-1.04	
		<i>For Work In Restricted Working Space, Add</i>	8.08	
		<i>For 300 LB Rating, Add</i>	25.11	
22 11 16 00-0073	EA	3/4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	40.08	20.09
		<i>For ASTM 120, Deduct</i>	-1.49	
		<i>For Work In Restricted Working Space, Add</i>	9.04	
		<i>For 300 LB Rating, Add</i>	35.64	
22 11 16 00-0074	EA	1", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	44.87	22.41
		<i>For ASTM 120, Deduct</i>	-1.68	
		<i>For Work In Restricted Working Space, Add</i>	10.10	
		<i>For 300 LB Rating, Add</i>	40.17	
22 11 16 00-0075	EA	1-1/4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	59.07	25.44
		<i>For ASTM 120, Deduct</i>	-3.15	
		<i>For Work In Restricted Working Space, Add</i>	11.43	
		<i>For 300 LB Rating, Add</i>	73.62	
22 11 16 00-0076	EA	1-1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	67.60	28.67
		<i>For ASTM 120, Deduct</i>	-3.70	
		<i>For Work In Restricted Working Space, Add</i>	12.89	
		<i>For 300 LB Rating, Add</i>	86.35	
22 11 16 00-0077	EA	2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	91.03	36.44
		<i>For ASTM 120, Deduct</i>	-5.47	
		<i>For Work In Restricted Working Space, Add</i>	16.37	
		<i>For 300 LB Rating, Add</i>	127.24	
22 11 16 00-0078	EA	2-1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	207.61	53.91
		<i>For ASTM 120, Deduct</i>	-19.03	
		<i>For Work In Restricted Working Space, Add</i>	24.23	
		<i>For 300 LB Rating, Add</i>	436.14	
22 11 16 00-0079	EA	3", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	290.76	70.87
		<i>For ASTM 120, Deduct</i>	-27.67	
		<i>For Work In Restricted Working Space, Add</i>	31.88	
		<i>For 300 LB Rating, Add</i>	633.64	
22 11 16 00-0080	EA	4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	420.00	73.82
		<i>For ASTM 120, Deduct</i>	-46.40	
		<i>For Work In Restricted Working Space, Add</i>	33.21	
		<i>For 300 LB Rating, Add</i>	1,058.26	
22 11 16 00-0081	EA	5", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	1,365.34	77.05
		<i>For ASTM 120, Deduct</i>	-187.47	
		<i>For Work In Restricted Working Space, Add</i>	34.65	
		<i>For 300 LB Rating, Add</i>	4,256.35	
22 11 16 00-0082	EA	6", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	1,627.77	80.56
		<i>For ASTM 120, Deduct</i>	-226.05	
		<i>For Work In Restricted Working Space, Add</i>	36.23	
		<i>For 300 LB Rating, Add</i>	5,131.05	
22 11 16 00-0083	EA	8", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	1,941.70	84.18
		<i>For ASTM 120, Deduct</i>	-272.33	
		<i>For Work In Restricted Working Space, Add</i>	37.86	
		<i>For 300 LB Rating, Add</i>	6,180.27	
22 11 16 00-0084	<b>Galvanized Malleable Iron Tees (22 11 16 00-0013)</b>			
22 11 16 00-0085	EA	1/2", 150 LB, Galvanized Malleable Iron Tee	41.25	22.41
		<i>For ASTM 120, Deduct</i>	-1.14	
		<i>For Work In Restricted Working Space, Add</i>	10.10	
		<i>For 300 LB Rating, Add</i>	27.86	
22 11 16 00-0086	EA	3/4", 150 LB, Galvanized Malleable Iron Tee	51.37	25.94
		<i>For ASTM 120, Deduct</i>	-1.88	
		<i>For Work In Restricted Working Space, Add</i>	11.65	
		<i>For 300 LB Rating, Add</i>	44.97	
22 11 16 00-0087	EA	1", 150 LB, Galvanized Malleable Iron Tee	66.16	30.59
		<i>For ASTM 120, Deduct</i>	-3.04	
		<i>For Work In Restricted Working Space, Add</i>	13.76	
		<i>For 300 LB Rating, Add</i>	71.70	
22 11 16 00-0088	EA	1-1/4", 150 LB, Galvanized Malleable Iron Tee	86.75	36.44
		<i>For ASTM 120, Deduct</i>	-4.83	
		<i>For Work In Restricted Working Space, Add</i>	16.37	
		<i>For 300 LB Rating, Add</i>	112.69	
22 11 16 00-0089	EA	1-1/2", 150 LB, Galvanized Malleable Iron Tee	105.13	43.41
		<i>For ASTM 120, Deduct</i>	-6.00	
		<i>For Work In Restricted Working Space, Add</i>	19.54	
		<i>For 300 LB Rating, Add</i>	139.91	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0090	EA		2", 150 LB, Galvanized Malleable Iron Tee..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	145.77 -9.75 24.23 225.88	53.91
22 11 16 00-0091	EA		2-1/2", 150 LB, Galvanized Malleable Iron Tee ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	270.83 -27.46 26.34 627.60	58.55
22 11 16 00-0092	EA		3", 150 LB, Galvanized Malleable Iron Tee..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	320.91 -32.20 31.88 736.15	70.87
22 11 16 00-0093	EA		4", 150 LB, Galvanized Malleable Iron Tee..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	647.61 -76.17 41.95 1,734.81	93.28
22 11 16 00-0094	EA		5", 150 LB, Galvanized Malleable Iron Tee..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	1,762.17 -239.42 49.82 5,436.77	110.73
22 11 16 00-0095	EA		6", 150 LB, Galvanized Malleable Iron Tee..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	2,000.15 -271.56 56.93 6,166.64	126.58
22 11 16 00-0096	EA		8", 150 LB, Galvanized Malleable Iron Tee..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	2,378.79 -322.66 68.32 7,327.23	150.30
<b>22 11 16 00-0097</b>			<b>Galvanized Malleable Iron Reducing Tee (22 11 16 00-0013)</b>		
22 11 16 00-0098	EA		1/2", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	51.33 -2.65 10.10 62.13	22.41
22 11 16 00-0099	EA		3/4", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	56.26 -2.61 11.65 61.59	25.94
22 11 16 00-0100	EA		1", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	70.37 -3.67 13.76 86.02	30.59
22 11 16 00-0101	EA		1-1/4", 150 LB, Galvanized Malleable Iron Reducing Tee ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	92.55 -5.70 16.37 132.41	36.44
22 11 16 00-0102	EA		1-1/2", 150 LB, Galvanized Malleable Iron Reducing Tee ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	112.04 -7.04 19.54 163.40	43.41
22 11 16 00-0103	EA		2", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	149.26 -10.28 24.23 237.75	53.91
22 11 16 00-0104	EA		2-1/2", 150 LB, Galvanized Malleable Iron Reducing Tee ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	329.98 -36.29 26.42 827.81	58.75
22 11 16 00-0105	EA		3", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	421.70 -47.06 32.39 1,073.23	71.98
22 11 16 00-0106	EA		4", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	1,049.34 -136.43 41.95 3,100.69	93.28
22 11 16 00-0107	EA		5", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	2,275.17 -316.37 49.82 7,180.97	110.73
22 11 16 00-0108	EA		6", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	2,582.53 -358.91 56.93 8,146.74	126.58
22 11 16 00-0109	EA		8", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	3,103.28 -432.76 65.47 9,822.23	145.35
<b>22 11 16 00-0110</b>			<b>Galvanized Malleable Iron Couplings (22 11 16 00-0013)</b>		
22 11 16 00-0111	EA		1/2", 150 LB, Galvanized Malleable Iron Coupling..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	33.21 -0.94 8.08 23.00	17.97
22 11 16 00-0112	EA		3/4", 150 LB, Galvanized Malleable Iron Coupling..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	37.38 -1.09 9.04 26.46	20.09

**22 Plumbing****22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

22 11 16 00-0113	EA	1", 150 LB, Galvanized Malleable Iron Coupling.....	45.53	22.41
		<i>For ASTM 120, Deduct</i>	-1.78	
		<i>For Work In Restricted Working Space, Add</i>	10.10	
		<i>For 300 LB Rating, Add</i>	42.41	
22 11 16 00-0114	EA	1-1/4", 150 LB, Galvanized Malleable Iron Coupling.....	54.84	25.44
		<i>For ASTM 120, Deduct</i>	-2.51	
		<i>For Work In Restricted Working Space, Add</i>	11.43	
		<i>For 300 LB Rating, Add</i>	59.24	
22 11 16 00-0115	EA	1-1/2", 150 LB, Galvanized Malleable Iron Coupling.....	62.00	28.67
		<i>For ASTM 120, Deduct</i>	-2.86	
		<i>For Work In Restricted Working Space, Add</i>	12.89	
		<i>For 300 LB Rating, Add</i>	67.31	
22 11 16 00-0116	EA	2", 150 LB, Galvanized Malleable Iron Coupling.....	82.41	36.44
		<i>For ASTM 120, Deduct</i>	-4.18	
		<i>For Work In Restricted Working Space, Add</i>	16.37	
		<i>For 300 LB Rating, Add</i>	97.93	
22 11 16 00-0117	EA	2-1/2", 150 LB, Galvanized Malleable Iron Coupling.....	165.98	53.91
		<i>For ASTM 120, Deduct</i>	-12.78	
		<i>For Work In Restricted Working Space, Add</i>	24.23	
		<i>For 300 LB Rating, Add</i>	294.59	
22 11 16 00-0118	EA	3", 150 LB, Galvanized Malleable Iron Coupling.....	220.17	70.87
		<i>For ASTM 120, Deduct</i>	-17.09	
		<i>For Work In Restricted Working Space, Add</i>	31.88	
		<i>For 300 LB Rating, Add</i>	393.64	
22 11 16 00-0119	EA	4", 150 LB, Galvanized Malleable Iron Coupling.....	352.60	73.82
		<i>For ASTM 120, Deduct</i>	-36.29	
		<i>For Work In Restricted Working Space, Add</i>	33.21	
		<i>For 300 LB Rating, Add</i>	829.10	
22 11 16 00-0120	EA	5", 150 LB, Galvanized Malleable Iron Coupling.....	796.65	77.05
		<i>For ASTM 120, Deduct</i>	-102.17	
		<i>For Work In Restricted Working Space, Add</i>	34.65	
		<i>For 300 LB Rating, Add</i>	2,322.81	
22 11 16 00-0121	EA	6", 150 LB, Galvanized Malleable Iron Coupling.....	896.77	80.56
		<i>For ASTM 120, Deduct</i>	-116.40	
		<i>For Work In Restricted Working Space, Add</i>	36.23	
		<i>For 300 LB Rating, Add</i>	2,645.65	
22 11 16 00-0122	EA	8", 150 LB, Galvanized Malleable Iron Coupling.....	1,061.44	84.18
		<i>For ASTM 120, Deduct</i>	-140.29	
		<i>For Work In Restricted Working Space, Add</i>	37.86	
		<i>For 300 LB Rating, Add</i>	3,187.39	
<b>22 11 16 00-0123</b>		<b>Galvanized Malleable Iron Reducing Couplings</b> (22 11 16 00-0013)		
22 11 16 00-0124	EA	1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	34.55	17.97
		<i>For ASTM 120, Deduct</i>	-1.14	
		<i>For Work In Restricted Working Space, Add</i>	8.08	
		<i>For 300 LB Rating, Add</i>	27.56	
22 11 16 00-0125	EA	3/4", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	38.29	20.09
		<i>For ASTM 120, Deduct</i>	-1.22	
		<i>For Work In Restricted Working Space, Add</i>	9.04	
		<i>For 300 LB Rating, Add</i>	29.55	
22 11 16 00-0126	EA	1", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	47.25	22.41
		<i>For ASTM 120, Deduct</i>	-2.04	
		<i>For Work In Restricted Working Space, Add</i>	10.10	
		<i>For 300 LB Rating, Add</i>	48.26	
22 11 16 00-0127	EA	1-1/4", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	55.67	25.44
		<i>For ASTM 120, Deduct</i>	-2.64	
		<i>For Work In Restricted Working Space, Add</i>	11.43	
		<i>For 300 LB Rating, Add</i>	62.06	
22 11 16 00-0128	EA	1-1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	65.63	28.67
		<i>For ASTM 120, Deduct</i>	-3.40	
		<i>For Work In Restricted Working Space, Add</i>	12.89	
		<i>For 300 LB Rating, Add</i>	79.66	
22 11 16 00-0129	EA	2", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	85.50	36.44
		<i>For ASTM 120, Deduct</i>	-4.64	
		<i>For Work In Restricted Working Space, Add</i>	16.37	
		<i>For 300 LB Rating, Add</i>	108.44	
22 11 16 00-0130	EA	2-1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	167.06	53.91
		<i>For ASTM 120, Deduct</i>	-12.95	
		<i>For Work In Restricted Working Space, Add</i>	24.23	
		<i>For 300 LB Rating, Add</i>	298.27	
22 11 16 00-0131	EA	3", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	216.94	70.87
		<i>For ASTM 120, Deduct</i>	-16.60	
		<i>For Work In Restricted Working Space, Add</i>	31.88	
		<i>For 300 LB Rating, Add</i>	382.65	
22 11 16 00-0132	EA	4", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	358.83	73.82
		<i>For ASTM 120, Deduct</i>	-37.22	
		<i>For Work In Restricted Working Space, Add</i>	33.21	
		<i>For 300 LB Rating, Add</i>	850.28	
22 11 16 00-0133	EA	5", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	832.50	77.05
		<i>For ASTM 120, Deduct</i>	-107.55	
		<i>For Work In Restricted Working Space, Add</i>	34.65	
		<i>For 300 LB Rating, Add</i>	2,444.70	
22 11 16 00-0134	EA	6", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	937.61	80.56
		<i>For ASTM 120, Deduct</i>	-122.53	
		<i>For Work In Restricted Working Space, Add</i>	36.23	
		<i>For 300 LB Rating, Add</i>	2,784.50	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0135	EA		8", 150 LB, Galvanized Malleable Iron Reducing Coupling..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	1,111.03 -147.72 37.86 3,355.99	84.18
<b>22 11 16 00-0136 Galvanized Malleable Iron Caps (22 11 16 00-0013)</b>					
22 11 16 00-0137	EA		1/2", 150 LB, Galvanized Malleable Iron Cap ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	15.09 -0.37 3.79 9.16	8.37
22 11 16 00-0138	EA		3/4", 150 LB, Galvanized Malleable Iron Cap ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	16.88 -0.51 4.04 12.44	8.99
22 11 16 00-0139	EA		1", 150 LB, Galvanized Malleable Iron Cap ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	19.77 -0.64 4.66 15.35	10.40
22 11 16 00-0140	EA		1-1/4", 150 LB, Galvanized Malleable Iron Cap ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	21.87 -0.84 4.89 19.95	10.90
22 11 16 00-0141	EA		1-1/2", 150 LB, Galvanized Malleable Iron Cap ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	21.52 -0.78 4.89 18.76	10.90
22 11 16 00-0142	EA		2", 150 LB, Galvanized Malleable Iron Cap ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	32.90 -1.68 6.51 39.35	14.43
22 11 16 00-0143	EA		2-1/2", 150 LB, Galvanized Malleable Iron Cap ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	52.04 -3.77 8.08 87.02	17.97
22 11 16 00-0144	EA		3", 150 LB, Galvanized Malleable Iron Cap ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	68.32 -5.36 9.77 123.54	21.71
22 11 16 00-0145	EA		4", 150 LB, Galvanized Malleable Iron Cap ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	104.81 -10.03 11.39 229.57	25.33
22 11 16 00-0146	EA		5", 150 LB, Galvanized Malleable Iron Cap ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	269.36 -33.29 14.23 757.37	31.69
22 11 16 00-0147	EA		6", 150 LB, Galvanized Malleable Iron Cap ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	336.22 -41.95 16.96 954.34	37.67
22 11 16 00-0148	EA		8", 150 LB, Galvanized Malleable Iron Cap ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	425.57 -54.37 18.93 1,236.18	42.09
<b>22 11 16 00-0149 Galvanized Malleable Iron FIP Threaded, Unions (22 11 16 00-0013)</b>					
22 11 16 00-0150	EA		1/2", 150 LB, Galvanized Malleable Iron Union ..... <i>For Work In Restricted Working Space, Add</i>	49.98 10.10	22.41
22 11 16 00-0151	EA		3/4", 150 LB, Galvanized Malleable Iron Union ..... <i>For Work In Restricted Working Space, Add</i>	57.59 11.65	25.94
22 11 16 00-0152	EA		1", 150 LB, Galvanized Malleable Iron Union ..... <i>For Work In Restricted Working Space, Add</i>	70.45 13.76	30.59
22 11 16 00-0153	EA		1-1/4", 150 LB, Galvanized Malleable Iron Union ..... <i>For Work In Restricted Working Space, Add</i>	90.09 16.37	36.44
22 11 16 00-0154	EA		1-1/2", 150 LB, Galvanized Malleable Iron Union ..... <i>For Work In Restricted Working Space, Add</i>	108.17 19.54	43.41
22 11 16 00-0155	EA		2", 150 LB, Galvanized Malleable Iron Union ..... <i>For Work In Restricted Working Space, Add</i>	130.24 24.23	53.91
22 11 16 00-0156	EA		2-1/2", 150 LB, Galvanized Malleable Iron Union ..... <i>For Work In Restricted Working Space, Add</i>	291.09 35.77	79.45
22 11 16 00-0157	EA		3", 150 LB, Galvanized Malleable Iron Union ..... <i>For Work In Restricted Working Space, Add</i>	397.42 47.06	104.49
22 11 16 00-0158	EA		1/2", 250 LB, Galvanized Malleable Iron Union ..... <i>For Work In Restricted Working Space, Add</i>	66.85 10.10	22.41
22 11 16 00-0159	EA		3/4", 250 LB, Galvanized Malleable Iron Union ..... <i>For Work In Restricted Working Space, Add</i>	69.00 11.65	25.94
22 11 16 00-0160	EA		1", 250 LB, Galvanized Malleable Iron Union ..... <i>For Work In Restricted Working Space, Add</i>	83.28 13.76	30.59
22 11 16 00-0161	EA		1-1/4", 250 LB, Galvanized Malleable Iron Union ..... <i>For Work In Restricted Working Space, Add</i>	111.20 16.37	36.44
22 11 16 00-0162	EA		1-1/2", 250 LB, Galvanized Malleable Iron Union ..... <i>For Work In Restricted Working Space, Add</i>	130.33 19.54	43.41
22 11 16 00-0163	EA		2", 250 LB, Galvanized Malleable Iron Union ..... <i>For Work In Restricted Working Space, Add</i>	172.84 24.23	53.91
22 11 16 00-0164	EA		2-1/2", 250 LB, Galvanized Malleable Iron Union ..... <i>For Work In Restricted Working Space, Add</i>	361.46 35.77	79.45

**22 Plumbing****22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

22 11 16 00-0165	EA	3", 250 LB, Galvanized Malleable Iron Union.....	528.52	104.49
		<i>For Work In Restricted Working Space, Add</i>	47.06	
22 11 16 00-0166	EA	4", 250 LB, Galvanized Malleable Iron Union.....	746.41	108.93
		<i>For Work In Restricted Working Space, Add</i>	49.03	
22 11 16 00-0167	EA	1/2", 300 LB, Galvanized Malleable Iron Union.....	71.48	22.41
		<i>For Work In Restricted Working Space, Add</i>	10.10	
22 11 16 00-0168	EA	3/4", 300 LB, Galvanized Malleable Iron Union.....	79.85	25.94
		<i>For Work In Restricted Working Space, Add</i>	11.65	
22 11 16 00-0169	EA	1", 300 LB, Galvanized Malleable Iron Union.....	100.30	30.59
		<i>For Work In Restricted Working Space, Add</i>	13.76	
22 11 16 00-0170	EA	1-1/4", 300 LB, Galvanized Malleable Iron Union .....	130.44	36.44
		<i>For Work In Restricted Working Space, Add</i>	16.37	
22 11 16 00-0171	EA	1-1/2", 300 LB, Galvanized Malleable Iron Union .....	156.50	43.41
		<i>For Work In Restricted Working Space, Add</i>	19.54	
22 11 16 00-0172	EA	2", 300 LB, Galvanized Malleable Iron Union.....	190.43	53.91
		<i>For Work In Restricted Working Space, Add</i>	24.23	
22 11 16 00-0173	EA	2-1/2", 300 LB, Galvanized Malleable Iron Union .....	425.14	79.45
		<i>For Work In Restricted Working Space, Add</i>	35.77	
22 11 16 00-0174	EA	3", 300 LB, Galvanized Malleable Iron Union.....	674.25	104.49
		<i>For Work In Restricted Working Space, Add</i>	47.06	
22 11 16 00-0175	EA	4", 300 LB, Galvanized Malleable Iron Union.....	1,461.02	108.93
		<i>For Work In Restricted Working Space, Add</i>	49.03	

**22 11 16 00-0176 Galvanized Steel Nipples** (22 11 16 00-0013)

Note: ASTM A-53.

22 11 16 00-0177	EA	3/8" x Close, Schedule 40 Galvanized Steel Nipple.....	16.98	9.59
		<i>For ASTM 120, Deduct</i>	-0.38	
		<i>For Work In Restricted Working Space, Add</i>	4.33	
		<i>For Schedule 80 Nipples, Add</i>	2.92	
22 11 16 00-0178	EA	1/2" x Close, Schedule 40 Galvanized Steel Nipple.....	16.49	9.59
		<i>For ASTM 120, Deduct</i>	-0.31	
		<i>For Work In Restricted Working Space, Add</i>	4.33	
		<i>For Schedule 80 Nipples, Add</i>	2.36	
22 11 16 00-0179	EA	3/4" x Close, Schedule 40 Galvanized Steel Nipple.....	16.93	9.59
		<i>For ASTM 120, Deduct</i>	-0.38	
		<i>For Work In Restricted Working Space, Add</i>	4.33	
		<i>For Schedule 80 Nipples, Add</i>	2.86	
22 11 16 00-0180	EA	1" x Close, Schedule 40 Galvanized Steel Nipple.....	18.98	10.40
		<i>For ASTM 120, Deduct</i>	-0.52	
		<i>For Work In Restricted Working Space, Add</i>	4.66	
		<i>For Schedule 80 Nipples, Add</i>	3.93	
22 11 16 00-0181	EA	1-1/4" x Close, Schedule 40 Galvanized Steel Nipple .....	21.45	11.21
		<i>For ASTM 120, Deduct</i>	-0.69	
		<i>For Work In Restricted Working Space, Add</i>	5.05	
		<i>For Schedule 80 Nipples, Add</i>	5.27	
22 11 16 00-0182	EA	1-1/2" x Close, Schedule 40 Galvanized Steel Nipple .....	22.26	11.21
		<i>For ASTM 120, Deduct</i>	-0.81	
		<i>For Work In Restricted Working Space, Add</i>	5.05	
		<i>For Schedule 80 Nipples, Add</i>	6.19	
22 11 16 00-0183	EA	2" x Close, Schedule 40 Galvanized Steel Nipple.....	29.36	14.43
		<i>For ASTM 120, Deduct</i>	-1.15	
		<i>For Work In Restricted Working Space, Add</i>	6.51	
		<i>For Schedule 80 Nipples, Add</i>	8.72	
22 11 16 00-0184	EA	2-1/2" x Close, Schedule 40 Galvanized Steel Nipple .....	49.69	17.97
		<i>For ASTM 120, Deduct</i>	-3.42	
		<i>For Work In Restricted Working Space, Add</i>	8.08	
		<i>For Schedule 80 Nipples, Add</i>	25.96	
22 11 16 00-0185	EA	3" x Close, Schedule 40 Galvanized Steel Nipple.....	59.84	21.71
		<i>For ASTM 120, Deduct</i>	-4.09	
		<i>For Work In Restricted Working Space, Add</i>	9.77	
		<i>For Schedule 80 Nipples, Add</i>	31.10	
22 11 16 00-0186	EA	4" x Close, Schedule 40 Galvanized Steel Nipple.....	78.85	25.33
		<i>For ASTM 120, Deduct</i>	-6.13	
		<i>For Work In Restricted Working Space, Add</i>	11.39	
		<i>For Schedule 80 Nipples, Add</i>	46.61	
22 11 16 00-0187	EA	3/8" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple .....	17.36	9.59
		<i>For ASTM 120, Deduct</i>	-0.44	
		<i>For Work In Restricted Working Space, Add</i>	4.33	
		<i>For Schedule 80 Nipples, Add</i>	3.35	
22 11 16 00-0188	EA	1/2" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple .....	16.60	9.59
		<i>For ASTM 120, Deduct</i>	-0.33	
		<i>For Work In Restricted Working Space, Add</i>	4.33	
		<i>For Schedule 80 Nipples, Add</i>	2.49	
22 11 16 00-0189	EA	3/4" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple .....	17.15	9.59
		<i>For ASTM 120, Deduct</i>	-0.41	
		<i>For Work In Restricted Working Space, Add</i>	4.33	
		<i>For Schedule 80 Nipples, Add</i>	3.11	
22 11 16 00-0190	EA	3/8" x 2" Long, Schedule 40 Galvanized Steel Nipple.....	17.36	9.59
		<i>For ASTM 120, Deduct</i>	-0.44	
		<i>For Work In Restricted Working Space, Add</i>	4.33	
		<i>For Schedule 80 Nipples, Add</i>	3.35	
22 11 16 00-0191	EA	1/2" x 2" Long, Schedule 40 Galvanized Steel Nipple.....	16.60	9.59
		<i>For ASTM 120, Deduct</i>	-0.33	
		<i>For Work In Restricted Working Space, Add</i>	4.33	
		<i>For Schedule 80 Nipples, Add</i>	2.49	
22 11 16 00-0192	EA	3/4" x 2" Long, Schedule 40 Galvanized Steel Nipple.....	17.15	9.59
		<i>For ASTM 120, Deduct</i>	-0.41	
		<i>For Work In Restricted Working Space, Add</i>	4.33	
		<i>For Schedule 80 Nipples, Add</i>	3.11	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0193	EA		1" x 2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	19.60 -0.61 4.66 4.64	10.40
22 11 16 00-0194	EA		1-1/4" x 2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	21.79 -0.74 5.05 5.65	11.21
22 11 16 00-0195	EA		1-1/2" x 2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	22.66 -0.87 5.05 6.65	11.21
22 11 16 00-0196	EA		3/8" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	18.33 -0.59 4.33 4.46	9.59
22 11 16 00-0197	EA		1/2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	16.98 -0.38 4.33 2.92	9.59
22 11 16 00-0198	EA		3/4" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	17.44 -0.45 4.33 3.44	9.59
22 11 16 00-0199	EA		1" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	19.93 -0.66 4.66 5.02	10.40
22 11 16 00-0200	EA		1-1/4" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	22.28 -0.82 5.05 6.21	11.21
22 11 16 00-0201	EA		1-1/2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	23.32 -0.97 5.05 7.40	11.21
22 11 16 00-0202	EA		2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	30.31 -1.29 6.51 9.80	14.43
22 11 16 00-0203	EA		3/8" x 3" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	18.33 -0.59 4.33 4.46	9.59
22 11 16 00-0204	EA		1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	16.98 -0.38 4.33 2.92	9.59
22 11 16 00-0205	EA		3/4" x 3" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	17.44 -0.45 4.33 3.44	9.59
22 11 16 00-0206	EA		1" x 3" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	19.93 -0.66 4.66 5.02	10.40
22 11 16 00-0207	EA		1-1/4" x 3" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	22.28 -0.82 5.05 6.21	11.21
22 11 16 00-0208	EA		1-1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	23.32 -0.97 5.05 7.40	11.21
22 11 16 00-0209	EA		2" x 3" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	30.31 -1.29 6.51 9.80	14.43
22 11 16 00-0210	EA		2-1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	50.56 -3.55 8.08 26.95	17.97
22 11 16 00-0211	EA		3" x 3" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	63.60 -4.66 9.77 35.39	21.71
22 11 16 00-0212	EA		3/8" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	19.07 -0.70 4.33 5.30	9.59
22 11 16 00-0213	EA		1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	17.58 -0.47 4.33 3.60	9.59
22 11 16 00-0214	EA		3/4" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	18.33 -0.59 4.33 4.46	9.59

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 11 Facility Water Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0215	EA		1" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... For ASTM 120, Deduct For Work In Restricted Working Space, Add For Schedule 80 Nipples, Add	20.82 -0.79 4.66 6.03	10.40
22 11 16 00-0216	EA		1-1/4" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... For ASTM 120, Deduct For Work In Restricted Working Space, Add For Schedule 80 Nipples, Add	23.32 -0.97 5.05 7.40	11.21
22 11 16 00-0217	EA		1-1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... For ASTM 120, Deduct For Work In Restricted Working Space, Add For Schedule 80 Nipples, Add	25.03 -1.23 5.05 9.35	11.21
22 11 16 00-0218	EA		2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... For ASTM 120, Deduct For Work In Restricted Working Space, Add For Schedule 80 Nipples, Add	32.16 -1.57 6.51 11.91	14.43
22 11 16 00-0219	EA		2-1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... For ASTM 120, Deduct For Work In Restricted Working Space, Add For Schedule 80 Nipples, Add	54.36 -4.12 8.08 31.28	17.97
22 11 16 00-0220	EA		3" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... For ASTM 120, Deduct For Work In Restricted Working Space, Add For Schedule 80 Nipples, Add	68.98 -5.46 9.77 41.52	21.71
22 11 16 00-0221	EA		3/8" x 4" Long, Schedule 40 Galvanized Steel Nipple ..... For ASTM 120, Deduct For Work In Restricted Working Space, Add For Schedule 80 Nipples, Add	19.07 -0.70 4.33 5.30	9.59
22 11 16 00-0222	EA		1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple ..... For ASTM 120, Deduct For Work In Restricted Working Space, Add For Schedule 80 Nipples, Add	17.58 -0.47 4.33 3.60	9.59
22 11 16 00-0223	EA		3/4" x 4" Long, Schedule 40 Galvanized Steel Nipple ..... For ASTM 120, Deduct For Work In Restricted Working Space, Add For Schedule 80 Nipples, Add	19.07 -0.70 4.33 5.30	9.59
22 11 16 00-0224	EA		1" x 4" Long, Schedule 40 Galvanized Steel Nipple ..... For ASTM 120, Deduct For Work In Restricted Working Space, Add For Schedule 80 Nipples, Add	20.82 -0.79 4.66 6.03	10.40
22 11 16 00-0225	EA		1-1/4" x 4" Long, Schedule 40 Galvanized Steel Nipple ..... For ASTM 120, Deduct For Work In Restricted Working Space, Add For Schedule 80 Nipples, Add	23.32 -0.97 5.05 7.40	11.21
22 11 16 00-0226	EA		1-1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple ..... For ASTM 120, Deduct For Work In Restricted Working Space, Add For Schedule 80 Nipples, Add	25.03 -1.23 5.05 9.35	11.21
22 11 16 00-0227	EA		2" x 4" Long, Schedule 40 Galvanized Steel Nipple ..... For ASTM 120, Deduct For Work In Restricted Working Space, Add For Schedule 80 Nipples, Add	32.25 -1.58 6.51 12.02	14.43
22 11 16 00-0228	EA		2-1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple ..... For ASTM 120, Deduct For Work In Restricted Working Space, Add For Schedule 80 Nipples, Add	54.36 -4.12 8.08 31.28	17.97
22 11 16 00-0229	EA		3" x 4" Long, Schedule 40 Galvanized Steel Nipple ..... For ASTM 120, Deduct For Work In Restricted Working Space, Add For Schedule 80 Nipples, Add	68.98 -5.46 9.77 41.52	21.71
22 11 16 00-0230	EA		4" x 4" Long, Schedule 40 Galvanized Steel Nipple ..... For ASTM 120, Deduct For Work In Restricted Working Space, Add For Schedule 80 Nipples, Add	86.85 -7.33 11.39 55.73	25.33
22 11 16 00-0231	EA		3/8" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... For ASTM 120, Deduct For Work In Restricted Working Space, Add For Schedule 80 Nipples, Add	20.82 -0.96 4.33 7.30	9.59
22 11 16 00-0232	EA		1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... For ASTM 120, Deduct For Work In Restricted Working Space, Add For Schedule 80 Nipples, Add	18.22 -0.57 4.33 4.33	9.59
22 11 16 00-0233	EA		3/4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... For ASTM 120, Deduct For Work In Restricted Working Space, Add For Schedule 80 Nipples, Add	19.09 -0.70 4.33 5.32	9.59
22 11 16 00-0234	EA		1" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... For ASTM 120, Deduct For Work In Restricted Working Space, Add For Schedule 80 Nipples, Add	22.02 -0.97 4.66 7.40	10.40
22 11 16 00-0235	EA		1-1/4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... For ASTM 120, Deduct For Work In Restricted Working Space, Add For Schedule 80 Nipples, Add	24.86 -1.20 5.05 9.15	11.21
22 11 16 00-0236	EA		1-1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... For ASTM 120, Deduct For Work In Restricted Working Space, Add For Schedule 80 Nipples, Add	26.75 -1.49 5.05 11.31	11.21

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0237	EA		2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	35.05 -2.00 6.51 15.21	14.43
22 11 16 00-0238	EA		2-1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	57.52 -4.59 8.08 34.88	17.97
22 11 16 00-0239	EA		3" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	75.01 -6.37 9.77 48.39	21.71
22 11 16 00-0240	EA		4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	92.79 -8.22 11.39 62.51	25.33
22 11 16 00-0241	EA		3/8" x 5" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	20.82 -0.96 4.33 7.30	9.59
22 11 16 00-0242	EA		1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	18.22 -0.57 4.33 4.33	9.59
22 11 16 00-0243	EA		3/4" x 5" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	19.09 -0.70 4.33 5.32	9.59
22 11 16 00-0244	EA		1" x 5" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	22.02 -0.97 4.66 7.40	10.40
22 11 16 00-0245	EA		1-1/4" x 5" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	24.86 -1.20 5.05 9.15	11.21
22 11 16 00-0246	EA		1-1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	26.75 -1.49 5.05 11.31	11.21
22 11 16 00-0247	EA		2" x 5" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	35.05 -2.00 6.51 15.21	14.43
22 11 16 00-0248	EA		2-1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	57.52 -4.59 8.08 34.88	17.97
22 11 16 00-0249	EA		3" x 5" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	75.01 -6.37 9.77 48.39	21.71
22 11 16 00-0250	EA		4" x 5" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	92.79 -8.22 11.39 62.51	25.33
22 11 16 00-0251	EA		3/8" x 6" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	21.54 -1.07 4.33 8.12	9.59
22 11 16 00-0252	EA		1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	18.73 -0.65 4.33 4.91	9.59
22 11 16 00-0253	EA		3/4" x 6" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	20.02 -0.84 4.33 6.38	9.59
22 11 16 00-0254	EA		1" x 6" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	22.89 -1.10 4.66 8.39	10.40
22 11 16 00-0255	EA		1-1/4" x 6" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	26.15 -1.40 5.05 10.62	11.21
22 11 16 00-0256	EA		1-1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	27.99 -1.67 5.05 12.72	11.21
22 11 16 00-0257	EA		2" x 6" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	37.21 -2.33 6.51 17.67	14.43
22 11 16 00-0258	EA		2-1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	60.54 -5.04 8.08 38.33	17.97

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 11 Facility Water Distribution**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
22 11 16 00-0259	EA 3" x 6" Long, Schedule 40 Galvanized Steel Nipple..... For ASTM 120, Deduct For Work In Restricted Working Space, Add For Schedule 80 Nipples, Add	77.45 -6.73 9.77 51.17	21.71
22 11 16 00-0260	EA 4" x 6" Long, Schedule 40 Galvanized Steel Nipple..... For ASTM 120, Deduct For Work In Restricted Working Space, Add For Schedule 80 Nipples, Add	98.57 -9.09 11.39 69.10	25.33
22 11 16 00-0261	EA 3/8" x 8" Long, Schedule 40 Galvanized Steel Nipple..... For ASTM 120, Deduct For Work In Restricted Working Space, Add For Schedule 80 Nipples, Add	42.86 -4.27 4.33 32.42	9.59
22 11 16 00-0262	EA 1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple..... For ASTM 120, Deduct For Work In Restricted Working Space, Add For Schedule 80 Nipples, Add	22.02 -1.14 4.33 8.66	9.59
22 11 16 00-0263	EA 3/4" x 8" Long, Schedule 40 Galvanized Steel Nipple..... For ASTM 120, Deduct For Work In Restricted Working Space, Add For Schedule 80 Nipples, Add	24.14 -1.46 4.33 11.08	9.59
22 11 16 00-0264	EA 1" x 8" Long, Schedule 40 Galvanized Steel Nipple..... For ASTM 120, Deduct For Work In Restricted Working Space, Add For Schedule 80 Nipples, Add	27.85 -1.85 4.66 14.04	10.40
22 11 16 00-0265	EA 1-1/4" x 8" Long, Schedule 40 Galvanized Steel Nipple ..... For ASTM 120, Deduct For Work In Restricted Working Space, Add For Schedule 80 Nipples, Add	31.93 -2.27 5.05 17.21	11.21
22 11 16 00-0266	EA 1-1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple ..... For ASTM 120, Deduct For Work In Restricted Working Space, Add For Schedule 80 Nipples, Add	34.15 -2.60 5.05 19.74	11.21
22 11 16 00-0267	EA 2" x 8" Long, Schedule 40 Galvanized Steel Nipple..... For ASTM 120, Deduct For Work In Restricted Working Space, Add For Schedule 80 Nipples, Add	46.97 -3.79 6.51 28.80	14.43
22 11 16 00-0268	EA 2-1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple ..... For ASTM 120, Deduct For Work In Restricted Working Space, Add For Schedule 80 Nipples, Add	70.19 -6.49 8.08 49.33	17.97
22 11 16 00-0269	EA 3" x 8" Long, Schedule 40 Galvanized Steel Nipple..... For ASTM 120, Deduct For Work In Restricted Working Space, Add For Schedule 80 Nipples, Add	93.04 -9.07 9.77 68.95	21.71
22 11 16 00-0270	EA 4" x 8" Long, Schedule 40 Galvanized Steel Nipple..... For ASTM 120, Deduct For Work In Restricted Working Space, Add For Schedule 80 Nipples, Add	110.29 -10.85 11.39 82.46	25.33
22 11 16 00-0271	EA 3/8" x 10" Long, Schedule 40 Galvanized Steel Nipple..... For ASTM 120, Deduct For Work In Restricted Working Space, Add For Schedule 80 Nipples, Add	27.98 -2.03 4.33 15.46	9.59
22 11 16 00-0272	EA 1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple..... For ASTM 120, Deduct For Work In Restricted Working Space, Add For Schedule 80 Nipples, Add	23.45 -1.35 4.33 10.29	9.59
22 11 16 00-0273	EA 3/4" x 10" Long, Schedule 40 Galvanized Steel Nipple..... For ASTM 120, Deduct For Work In Restricted Working Space, Add For Schedule 80 Nipples, Add	25.20 -1.62 4.33 12.29	9.59
22 11 16 00-0274	EA 1" x 10" Long, Schedule 40 Galvanized Steel Nipple..... For ASTM 120, Deduct For Work In Restricted Working Space, Add For Schedule 80 Nipples, Add	29.60 -2.11 4.66 16.04	10.40
22 11 16 00-0275	EA 1-1/4" x 10" Long, Schedule 40 Galvanized Steel Nipple ..... For ASTM 120, Deduct For Work In Restricted Working Space, Add For Schedule 80 Nipples, Add	34.88 -2.71 5.05 20.58	11.21
22 11 16 00-0276	EA 1-1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple ..... For ASTM 120, Deduct For Work In Restricted Working Space, Add For Schedule 80 Nipples, Add	37.02 -3.03 5.05 23.02	11.21
22 11 16 00-0277	EA 2" x 10" Long, Schedule 40 Galvanized Steel Nipple..... For ASTM 120, Deduct For Work In Restricted Working Space, Add For Schedule 80 Nipples, Add	51.26 -4.43 6.51 33.69	14.43
22 11 16 00-0278	EA 2-1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple ..... For ASTM 120, Deduct For Work In Restricted Working Space, Add For Schedule 80 Nipples, Add	76.24 -7.40 8.08 56.22	17.97
22 11 16 00-0279	EA 3" x 10" Long, Schedule 40 Galvanized Steel Nipple..... For ASTM 120, Deduct For Work In Restricted Working Space, Add For Schedule 80 Nipples, Add	101.55 -10.35 9.77 78.65	21.71
22 11 16 00-0280	EA 4" x 10" Long, Schedule 40 Galvanized Steel Nipple..... For ASTM 120, Deduct For Work In Restricted Working Space, Add For Schedule 80 Nipples, Add	121.79 -12.57 11.39 95.57	25.33



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0281	EA		3/8" x 12" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	29.45 -2.25 4.33 17.13	9.59
22 11 16 00-0282	EA		1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	24.69 -1.54 4.33 11.71	9.59
22 11 16 00-0283	EA		3/4" x 12" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	26.52 -1.62 4.33 13.79	9.59
22 11 16 00-0284	EA		1" x 12" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	31.92 -2.46 4.66 18.68	10.40
22 11 16 00-0285	EA		1-1/4" x 12" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	38.51 -3.25 5.05 24.72	11.21
22 11 16 00-0286	EA		1-1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	39.93 -3.47 5.05 26.33	11.21
22 11 16 00-0287	EA		2" x 12" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	55.62 -5.09 6.51 38.66	14.43
22 11 16 00-0288	EA		2-1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	82.11 -8.28 8.08 62.92	17.97
22 11 16 00-0289	EA		3" x 12" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	110.14 -11.64 9.77 88.44	21.71
22 11 16 00-0290	EA		4" x 12" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	133.39 -14.31 11.39 108.79	25.33
<b>22 11 16 00-0291</b>			<b>Galvanized Malleable Iron Square Head Plugs (22 11 16 00-0013)</b>		
22 11 16 00-0292	EA		1/2", 150 LB, Galvanized Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	16.89 3.23 21.45	7.17
22 11 16 00-0293	EA		3/4", 150 LB, Galvanized Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	18.17 3.62 21.53	8.07
22 11 16 00-0294	EA		1", 150 LB, Galvanized Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	20.16 4.04 23.62	8.99
22 11 16 00-0295	EA		1-1/4", 150 LB, Galvanized Malleable Iron Square Head Plug ..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	25.56 4.57 36.00	10.20
22 11 16 00-0296	EA		1-1/2", 150 LB, Galvanized Malleable Iron Square Head Plug ..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	31.08 5.15 48.29	11.41
22 11 16 00-0297	EA		2", 150 LB, Galvanized Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	39.50 6.55 61.39	14.54
22 11 16 00-0298	EA		2-1/2", 150 LB, Galvanized Malleable Iron Square Head Plug ..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	66.77 9.69 119.10	21.51
22 11 16 00-0299	EA		3", 150 LB, Galvanized Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	91.40 12.75 168.78	28.37
22 11 16 00-0300	EA		4", 150 LB, Galvanized Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	145.79 13.28 347.79	29.51
22 11 16 00-0301	EA		5", 150 LB, Galvanized Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	232.45 13.86 635.99	30.84
22 11 16 00-0302	EA		6", 150 LB, Galvanized Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	249.65 14.49 687.45	32.16
<b>22 11 16 00-0303</b>			<b>Galvanized Malleable Iron Bushing (22 11 16 00-0013)</b>		
22 11 16 00-0304	EA		3/4" x 1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	42.74 8.56	18.98
22 11 16 00-0305	EA		1" x 1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	47.28 9.08	20.19
22 11 16 00-0306	EA		1" x 3/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	47.99 9.57	21.30
22 11 16 00-0307	EA		1-1/4" x 1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	56.31 9.75	21.71
22 11 16 00-0308	EA		1-1/4" x 3/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	55.75 10.23	22.72

**22 Plumbing****22 10 Plumbing Piping****22 11 Facility Water Distribution**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

22 11 16 00-0309	EA	1-1/4" x 1", 150 LB, Galvanized Malleable Iron Bushing.....	57.51	23.92
		<i>For Work In Restricted Working Space, Add</i>	10.76	
22 11 16 00-0310	EA	1-1/2" x 1/2", 150 LB, Galvanized Malleable Iron Bushing.....	66.39	23.32
		<i>For Work In Restricted Working Space, Add</i>	10.48	
22 11 16 00-0311	EA	1-1/2" x 3/4", 150 LB, Galvanized Malleable Iron Bushing.....	67.99	24.33
		<i>For Work In Restricted Working Space, Add</i>	10.96	
22 11 16 00-0312	EA	1-1/2" x 1", 150 LB, Galvanized Malleable Iron Bushing.....	66.67	25.54
		<i>For Work In Restricted Working Space, Add</i>	11.49	
22 11 16 00-0313	EA	1-1/2" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing.....	66.69	27.06
		<i>For Work In Restricted Working Space, Add</i>	12.16	
22 11 16 00-0314	EA	2" x 1/2", 150 LB, Galvanized Malleable Iron Bushing.....	80.03	27.16
		<i>For Work In Restricted Working Space, Add</i>	12.23	
22 11 16 00-0315	EA	2" x 3/4", 150 LB, Galvanized Malleable Iron Bushing.....	78.90	28.27
		<i>For Work In Restricted Working Space, Add</i>	12.71	
22 11 16 00-0316	EA	2" x 1", 150 LB, Galvanized Malleable Iron Bushing.....	78.67	29.38
		<i>For Work In Restricted Working Space, Add</i>	13.23	
22 11 16 00-0317	EA	2" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing.....	80.89	30.89
		<i>For Work In Restricted Working Space, Add</i>	13.90	
22 11 16 00-0318	EA	2" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing.....	79.07	32.51
		<i>For Work In Restricted Working Space, Add</i>	14.63	
22 11 16 00-0319	EA	2-1/2" x 3/4", 150 LB, Galvanized Malleable Iron Bushing.....	112.30	36.95
		<i>For Work In Restricted Working Space, Add</i>	16.64	
22 11 16 00-0320	EA	2-1/2" x 1", 150 LB, Galvanized Malleable Iron Bushing.....	114.05	38.17
		<i>For Work In Restricted Working Space, Add</i>	17.16	
22 11 16 00-0321	EA	2-1/2" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing.....	116.27	39.58
		<i>For Work In Restricted Working Space, Add</i>	17.83	
22 11 16 00-0322	EA	2-1/2" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing.....	117.66	41.29
		<i>For Work In Restricted Working Space, Add</i>	18.56	
22 11 16 00-0323	EA	2-1/2" x 2", 150 LB, Galvanized Malleable Iron Bushing.....	117.11	45.13
		<i>For Work In Restricted Working Space, Add</i>	20.30	
22 11 16 00-0324	EA	3" x 3/4", 150 LB, Galvanized Malleable Iron Bushing.....	143.25	45.43
		<i>For Work In Restricted Working Space, Add</i>	20.46	
22 11 16 00-0325	EA	3" x 1", 150 LB, Galvanized Malleable Iron Bushing.....	145.00	46.64
		<i>For Work In Restricted Working Space, Add</i>	20.99	
22 11 16 00-0326	EA	3" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing.....	147.22	48.15
		<i>For Work In Restricted Working Space, Add</i>	21.65	
22 11 16 00-0327	EA	3" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing.....	148.18	49.77
		<i>For Work In Restricted Working Space, Add</i>	22.39	
22 11 16 00-0328	EA	3" x 2", 150 LB, Galvanized Malleable Iron Bushing.....	147.12	53.60
		<i>For Work In Restricted Working Space, Add</i>	24.13	
22 11 16 00-0329	EA	3" x 2-1/2", 150 LB, Galvanized Malleable Iron Bushing.....	164.08	62.39
		<i>For Work In Restricted Working Space, Add</i>	28.05	
22 11 16 00-0330	EA	4" x 3/4", 150 LB, Galvanized Malleable Iron Bushing.....	226.78	46.31
		<i>For Work In Restricted Working Space, Add</i>	20.86	
22 11 16 00-0331	EA	4" x 1", 150 LB, Galvanized Malleable Iron Bushing.....	228.43	47.44
		<i>For Work In Restricted Working Space, Add</i>	21.35	
22 11 16 00-0332	EA	4" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing.....	230.52	48.86
		<i>For Work In Restricted Working Space, Add</i>	21.98	
22 11 16 00-0333	EA	4" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing.....	232.80	50.39
		<i>For Work In Restricted Working Space, Add</i>	22.66	
22 11 16 00-0334	EA	4" x 2", 150 LB, Galvanized Malleable Iron Bushing.....	219.74	53.99
		<i>For Work In Restricted Working Space, Add</i>	24.30	
22 11 16 00-0335	EA	4" x 2-1/2", 150 LB, Galvanized Malleable Iron Bushing.....	250.57	62.25
		<i>For Work In Restricted Working Space, Add</i>	27.99	
22 11 16 00-0336	EA	4" x 3", 150 LB, Galvanized Malleable Iron Bushing.....	252.17	70.22
		<i>For Work In Restricted Working Space, Add</i>	31.59	

**22 11 16 00-0337 Galvanized Malleable Iron Floor Flange** (22 11 16 00-0013)

Note: Excludes fasteners to floor or wall. See CSI section 05 05 19 00-00001 for anchors.

22 11 16 00-0338	EA	1/2", 150 LB, Galvanized Malleable Iron Floor Flange.....	62.46	36.89
22 11 16 00-0339	EA	3/4", 150 LB, Galvanized Malleable Iron Floor Flange.....	68.27	40.38
22 11 16 00-0340	EA	1", 150 LB, Galvanized Malleable Iron Floor Flange.....	78.44	45.63
22 11 16 00-0341	EA	1-1/4", 150 LB, Galvanized Malleable Iron Floor Flange.....	81.54	47.25
22 11 16 00-0342	EA	1-1/2", 150 LB, Galvanized Malleable Iron Floor Flange.....	88.74	51.39
22 11 16 00-0343	EA	2", 150 LB, Galvanized Malleable Iron Floor Flange.....	95.65	53.60

**22 11 16 00-0344 Galvanized Cast Iron Flanges** (22 11 16 00-0013)

Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0669 for Class 150 steel bolt and gasket set.

22 11 16 00-0345	EA	3/4", 125 LB, Galvanized Cast Iron Flange.....	120.63	40.38
		<i>For Work In Restricted Working Space, Add</i>	18.17	
22 11 16 00-0346	EA	1", 125 LB, Galvanized Cast Iron Flange.....	114.94	45.63
		<i>For Work In Restricted Working Space, Add</i>	20.53	
22 11 16 00-0347	EA	1-1/4", 125 LB, Galvanized Cast Iron Flange.....	95.42	47.25
		<i>For Work In Restricted Working Space, Add</i>	21.25	
22 11 16 00-0348	EA	1-1/2", 125 LB, Galvanized Cast Iron Flange.....	131.69	51.39
		<i>For Work In Restricted Working Space, Add</i>	23.12	
22 11 16 00-0349	EA	2", 125 LB, Galvanized Cast Iron Flange.....	128.46	53.60
		<i>For Work In Restricted Working Space, Add</i>	24.13	
22 11 16 00-0350	EA	2-1/2", 125 LB, Galvanized Cast Iron Flange.....	149.22	62.09
		<i>For Work In Restricted Working Space, Add</i>	27.91	
22 11 16 00-0351	EA	3", 125 LB, Galvanized Cast Iron Flange.....	269.78	78.75
		<i>For Work In Restricted Working Space, Add</i>	35.42	
22 11 16 00-0352	EA	4", 125 LB, Galvanized Cast Iron Flange.....	358.44	101.25
		<i>For Work In Restricted Working Space, Add</i>	45.53	
22 11 16 00-0353	EA	5", 125 LB, Galvanized Cast Iron Flange.....	505.13	120.51
		<i>For Work In Restricted Working Space, Add</i>	54.21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0354	EA		6", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	554.35 62.27	138.45
22 11 16 00-0355	EA		8", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	508.35 71.17	158.23
<b>22 11 16 00-0356</b>			<b>Cut And Thread Existing In-Place Galvanized Steel Pipe</b> <small>(22 11 16 00-0013)</small> Note: For use when connecting pipe to an existing in-place system.		
22 11 16 00-0357	EA		1/2", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	32.89 9.87	
22 11 16 00-0358	EA		3/4", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	36.17 10.85	
22 11 16 00-0359	EA		1", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	39.47 11.84	
22 11 16 00-0360	EA		1-1/4", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	42.76 12.83	
22 11 16 00-0361	EA		1-1/2", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	44.94 13.48	
22 11 16 00-0362	EA		2", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	47.14 14.14	
22 11 16 00-0363	EA		2-1/2", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	49.34 14.80	
22 11 16 00-0364	EA		3", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	51.52 15.46	
22 11 16 00-0365	EA		4", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	53.72 16.12	
22 11 16 00-0366	EA		6", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	58.10 17.43	
22 11 16 00-0367	EA		8", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	62.48 18.74	
<b>22 11 16 00-0368</b>			<b>Copper Pipe And Fittings</b> <small>(22 11 16)</small> Note: Excludes hangers. See CSI section 22 11 16 00-0899 for pipe with fittings assembly.		
<b>22 11 16 00-0369</b>			<b>Copper Tube/Pipe</b> <small>(22 11 16 00-0368)</small> Note: Pipe based on inside diameter size. Excludes hangers and fittings (couplers, tees, elbows, etc).		
<b>22 11 16 00-0370</b>			<b>Hard Drawn Type L Copper Tube/Pipe</b> <small>(22 11 16 00-0369)</small>		
22 11 16 00-0371	LF		1/4" Hard Drawn Type L Copper Tube/Pipe..... <i>For Up To 20, Add</i> <i>For &gt;150, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Medical/Oxygen Service Tubing, Add</i>	4.96 0.53 -0.13 1.11 0.10	2.47
22 11 16 00-0372	LF		3/8" Hard Drawn Type L Copper Tube/Pipe..... <i>For Up To 20, Add</i> <i>For &gt;150, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Medical/Oxygen Service Tubing, Add</i>	5.70 0.62 -0.18 1.16 0.15	2.57
22 11 16 00-0373	LF		1/2" Hard Drawn Type L Copper Tube/Pipe..... <i>For Up To 20, Add</i> <i>For &gt;150, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Medical/Oxygen Service Tubing, Add</i>	6.22 0.68 -0.22 1.21 0.18	2.68
22 11 16 00-0374	LF		3/4" Hard Drawn Type L Copper Tube/Pipe..... <i>For Up To 20, Add</i> <i>For &gt;150, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Medical/Oxygen Service Tubing, Add</i>	7.83 0.87 -0.36 1.28 0.29	2.84
22 11 16 00-0375	LF		1" Hard Drawn Type L Copper Tube/Pipe..... <i>For Up To 20, Add</i> <i>For &gt;150, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Medical/Oxygen Service Tubing, Add</i>	9.94 1.12 -0.52 1.43 0.41	3.19
22 11 16 00-0376	LF		1-1/4" Hard Drawn Type L Copper Tube/Pipe..... <i>For Up To 20, Add</i> <i>For &gt;150, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Medical/Oxygen Service Tubing, Add</i>	14.22 1.60 -0.71 2.13 0.57	4.74
22 11 16 00-0377	LF		1-1/2" Hard Drawn Type L Copper Tube/Pipe..... <i>For Up To 20, Add</i> <i>For &gt;150, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Medical/Oxygen Service Tubing, Add</i>	17.10 1.94 -0.92 2.38 0.73	5.30
22 11 16 00-0378	LF		2" Hard Drawn Type L Copper Tube/Pipe..... <i>For Up To 20, Add</i> <i>For &gt;150, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Medical/Oxygen Service Tubing, Add</i>	24.27 2.79 -1.45 2.94 1.16	6.54
22 11 16 00-0379	LF		2-1/2" Hard Drawn Type L Copper Tube/Pipe..... <i>For Up To 20, Add</i> <i>For &gt;150, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Medical/Oxygen Service Tubing, Add</i>	44.00 4.92 -2.09 6.92 1.67	7.68
22 11 16 00-0380	LF		3" Hard Drawn Type L Copper Tube/Pipe..... <i>For Up To 20, Add</i> <i>For &gt;150, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Medical/Oxygen Service Tubing, Add</i>	55.05 6.20 -2.79 8.14 2.23	9.06

**22 Plumbing****22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0381	LF		4" Hard Drawn Type L Copper Tube/Pipe.....	80.36	10.22
			For Up To 20, Add	9.28	
			For >150, Deduct	-4.97	
			For Work In Restricted Working Space, Add	9.19	
			For Medical/Oxygen Service Tubing, Add	3.98	
22 11 16 00-0382	LF		5" Hard Drawn Type L Copper Tube/Pipe.....	123.02	11.73
			For Up To 20, Add	14.50	
			For >150, Deduct	-8.78	
			For Work In Restricted Working Space, Add	10.55	
			For Medical/Oxygen Service Tubing, Add	7.03	
22 11 16 00-0383	LF		6" Hard Drawn Type L Copper Tube/Pipe.....	170.07	18.18
			For Up To 20, Add	19.90	
			For >150, Deduct	-11.56	
			For Work In Restricted Working Space, Add	16.35	
			For Medical/Oxygen Service Tubing, Add	9.24	
22 11 16 00-0384	LF		8" Hard Drawn Type L Copper Tube/Pipe.....	278.40	20.21
			For Up To 20, Add	33.29	
			For >150, Deduct	-21.78	
			For Work In Restricted Working Space, Add	18.18	
			For Medical/Oxygen Service Tubing, Add	17.42	
<b>22 11 16 00-0385</b>			<b>Hard Drawn Type K Copper Tube/Pipe (22 11 16 00-0369)</b>		
22 11 16 00-0386	LF		1/4" Hard Drawn Type K Copper Tube/Pipe .....	5.39	2.65
			For Up To 20, Add	0.57	
			For >150, Deduct	-0.14	
			For Work In Restricted Working Space, Add	1.19	
			For Medical/Oxygen Service Tubing, Add	0.11	
22 11 16 00-0387	LF		3/8" Hard Drawn Type K Copper Tube/Pipe .....	7.08	2.76
			For Up To 20, Add	0.77	
			For >150, Deduct	-0.25	
			For Work In Restricted Working Space, Add	1.36	
			For Medical/Oxygen Service Tubing, Add	0.20	
22 11 16 00-0388	LF		1/2" Hard Drawn Type K Copper Tube/Pipe .....	7.42	2.87
			For Up To 20, Add	0.82	
			For >150, Deduct	-0.30	
			For Work In Restricted Working Space, Add	1.33	
			For Medical/Oxygen Service Tubing, Add	0.24	
22 11 16 00-0389	LF		3/4" Hard Drawn Type K Copper Tube/Pipe .....	10.51	3.05
			For Up To 20, Add	1.19	
			For >150, Deduct	-0.54	
			For Work In Restricted Working Space, Add	1.54	
			For Medical/Oxygen Service Tubing, Add	0.43	
22 11 16 00-0390	LF		1" Hard Drawn Type K Copper Tube/Pipe .....	12.61	3.43
			For Up To 20, Add	1.44	
			For >150, Deduct	-0.72	
			For Work In Restricted Working Space, Add	1.64	
			For Medical/Oxygen Service Tubing, Add	0.57	
22 11 16 00-0391	LF		1-1/4" Hard Drawn Type K Copper Tube/Pipe .....	16.64	5.10
			For Up To 20, Add	1.89	
			For >150, Deduct	-0.89	
			For Work In Restricted Working Space, Add	2.32	
			For Medical/Oxygen Service Tubing, Add	0.71	
22 11 16 00-0392	LF		1-1/2" Hard Drawn Type K Copper Tube/Pipe .....	20.11	5.69
			For Up To 20, Add	2.30	
			For >150, Deduct	-1.14	
			For Work In Restricted Working Space, Add	2.61	
			For Medical/Oxygen Service Tubing, Add	0.91	
22 11 16 00-0393	LF		2" Hard Drawn Type K Copper Tube/Pipe .....	28.19	7.03
			For Up To 20, Add	3.26	
			For >150, Deduct	-1.75	
			For Work In Restricted Working Space, Add	3.20	
			For Medical/Oxygen Service Tubing, Add	1.40	
22 11 16 00-0394	LF		2-1/2" Hard Drawn Type K Copper Tube/Pipe .....	49.31	8.25
			For Up To 20, Add	5.58	
			For >150, Deduct	-2.61	
			For Work In Restricted Working Space, Add	6.95	
			For Medical/Oxygen Service Tubing, Add	2.09	
22 11 16 00-0395	LF		3" Hard Drawn Type K Copper Tube/Pipe .....	65.58	9.74
			For Up To 20, Add	7.45	
			For >150, Deduct	-3.57	
			For Work In Restricted Working Space, Add	8.96	
			For Medical/Oxygen Service Tubing, Add	2.86	
22 11 16 00-0396	LF		4" Hard Drawn Type K Copper Tube/Pipe .....	97.49	10.98
			For Up To 20, Add	11.34	
			For >150, Deduct	-6.37	
			For Work In Restricted Working Space, Add	10.15	
			For Medical/Oxygen Service Tubing, Add	5.09	
22 11 16 00-0397	LF		5" Hard Drawn Type K Copper Tube/Pipe .....	156.60	12.61
			For Up To 20, Add	18.58	
			For >150, Deduct	-11.67	
			For Work In Restricted Working Space, Add	11.99	
			For Medical/Oxygen Service Tubing, Add	9.33	
22 11 16 00-0398	LF		6" Hard Drawn Type K Copper Tube/Pipe .....	231.78	19.54
			For Up To 20, Add	27.36	
			For >150, Deduct	-16.74	
			For Work In Restricted Working Space, Add	19.32	
			For Medical/Oxygen Service Tubing, Add	13.39	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0399	LF		8" Hard Drawn Type K Copper Tube/Pipe .....	384.37	21.73
			For Up To 20, Add	46.27	
			For >150, Deduct	-31.34	
			For Work In Restricted Working Space, Add	21.29	
			For Medical/Oxygen Service Tubing, Add	25.07	
<b>22 11 16 00-0400</b>			<b>Hard Drawn Type M Copper Tube/Pipe</b> (22 11 16 00-0369)		
22 11 16 00-0401	LF		3/8" Hard Drawn Type M Copper Tube/Pipe .....	4.76	2.32
			For Up To 20, Add	0.51	
			For >150, Deduct	-0.14	
			For Work In Restricted Working Space, Add	1.00	
22 11 16 00-0402	LF		1/2" Hard Drawn Type M Copper Tube/Pipe .....	5.06	2.41
			For Up To 20, Add	0.55	
			For >150, Deduct	-0.16	
			For Work In Restricted Working Space, Add	1.03	
22 11 16 00-0403	LF		3/4" Hard Drawn Type M Copper Tube/Pipe .....	6.28	2.56
			For Up To 20, Add	0.69	
			For >150, Deduct	-0.26	
			For Work In Restricted Working Space, Add	1.10	
22 11 16 00-0404	LF		1" Hard Drawn Type M Copper Tube/Pipe .....	8.12	2.87
			For Up To 20, Add	0.91	
			For >150, Deduct	-0.40	
			For Work In Restricted Working Space, Add	1.23	
22 11 16 00-0405	LF		1-1/4" Hard Drawn Type M Copper Tube/Pipe .....	12.17	4.27
			For Up To 20, Add	1.36	
			For >150, Deduct	-0.59	
			For Work In Restricted Working Space, Add	1.89	
22 11 16 00-0406	LF		1-1/2" Hard Drawn Type M Copper Tube/Pipe .....	15.33	4.76
			For Up To 20, Add	1.74	
			For >150, Deduct	-0.81	
			For Work In Restricted Working Space, Add	2.17	
22 11 16 00-0407	LF		2" Hard Drawn Type M Copper Tube/Pipe .....	21.71	5.87
			For Up To 20, Add	2.49	
			For >150, Deduct	-1.27	
			For Work In Restricted Working Space, Add	2.69	
22 11 16 00-0408	LF		2-1/2" Hard Drawn Type M Copper Tube/Pipe .....	40.30	6.91
			For Up To 20, Add	4.49	
			For >150, Deduct	-1.85	
			For Work In Restricted Working Space, Add	6.54	
22 11 16 00-0409	LF		3" Hard Drawn Type M Copper Tube/Pipe .....	49.07	8.14
			For Up To 20, Add	5.52	
			For >150, Deduct	-2.46	
			For Work In Restricted Working Space, Add	7.35	
22 11 16 00-0410	LF		4" Hard Drawn Type M Copper Tube/Pipe .....	74.62	9.20
			For Up To 20, Add	8.61	
			For >150, Deduct	-4.60	
			For Work In Restricted Working Space, Add	8.57	
22 11 16 00-0411	LF		5" Hard Drawn Type M Copper Tube/Pipe .....	122.38	10.56
			For Up To 20, Add	14.47	
			For >150, Deduct	-8.94	
			For Work In Restricted Working Space, Add	9.90	
22 11 16 00-0412	LF		6" Hard Drawn Type M Copper Tube/Pipe .....	170.50	16.37
			For Up To 20, Add	20.04	
			For >150, Deduct	-11.94	
			For Work In Restricted Working Space, Add	15.33	
22 11 16 00-0413	LF		8" Hard Drawn Type M Copper Tube/Pipe .....	282.48	18.19
			For Up To 20, Add	33.91	
			For >150, Deduct	-22.63	
			For Work In Restricted Working Space, Add	16.86	
<b>22 11 16 00-0414</b>			<b>Soft Drawn Type L Copper Tube</b> (22 11 16 00-0369)		
22 11 16 00-0415	LF		1/4" Soft Drawn Type L Copper Tube .....	5.31	2.47
			For Up To 20, Add	0.57	
			For >150, Deduct	-0.16	
			For Work In Restricted Working Space, Add	1.11	
22 11 16 00-0416	LF		3/8" Soft Drawn Type L Copper Tube .....	6.38	2.57
			For Up To 20, Add	0.70	
			For >150, Deduct	-0.25	
			For Work In Restricted Working Space, Add	1.16	
22 11 16 00-0417	LF		1/2" Soft Drawn Type L Copper Tube .....	7.41	2.68
			For Up To 20, Add	0.83	
			For >150, Deduct	-0.34	
			For Work In Restricted Working Space, Add	1.21	
22 11 16 00-0418	LF		5/8" Soft Drawn Type L Copper Tube .....	8.49	2.76
			For Up To 20, Add	0.96	
			For >150, Deduct	-0.44	
			For Work In Restricted Working Space, Add	1.24	
22 11 16 00-0419	LF		3/4" Soft Drawn Type L Copper Tube .....	9.44	2.84
			For Up To 20, Add	1.07	
			For >150, Deduct	-0.52	
			For Work In Restricted Working Space, Add	1.28	
22 11 16 00-0420	LF		1" Soft Drawn Type L Copper Tube .....	11.96	3.19
			For Up To 20, Add	1.38	
			For >150, Deduct	-0.72	
			For Work In Restricted Working Space, Add	1.43	

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 11 Facility Water Distribution**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
22 11 16 00-0421	LF 1-1/4" Soft Drawn Type L Copper Tube..... <i>For Up To 20, Add</i> <i>For &gt;150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	16.56 1.89 -0.95 2.13	4.74
22 11 16 00-0422	LF 1-1/2" Soft Drawn Type L Copper Tube..... <i>For Up To 20, Add</i> <i>For &gt;150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	20.75 2.40 -1.28 2.38	5.30
22 11 16 00-0423	LF 2" Soft Drawn Type L Copper Tube..... <i>For Up To 20, Add</i> <i>For &gt;150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	30.15 3.52 -2.04 2.94	6.54
<b>22 11 16 00-0424</b>	<b>Soft Drawn Type K Copper Tube (22 11 16 00-0369)</b>		
22 11 16 00-0425	LF 1/4" Soft Drawn Type K Copper Tube..... <i>For Up To 20, Add</i> <i>For &gt;150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	5.48 0.59 -0.18 1.11	2.47
22 11 16 00-0426	LF 3/8" Soft Drawn Type K Copper Tube..... <i>For Up To 20, Add</i> <i>For &gt;150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	6.91 0.77 -0.31 1.16	2.57
22 11 16 00-0427	LF 1/2" Soft Drawn Type K Copper Tube..... <i>For Up To 20, Add</i> <i>For &gt;150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	7.84 0.88 -0.38 1.21	2.68
22 11 16 00-0428	LF 5/8" Soft Drawn Type K Copper Tube..... <i>For Up To 20, Add</i> <i>For &gt;150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	8.70 0.98 -0.46 1.24	2.76
22 11 16 00-0429	LF 3/4" Soft Drawn Type K Copper Tube..... <i>For Up To 20, Add</i> <i>For &gt;150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	11.33 1.31 -0.71 1.28	2.84
22 11 16 00-0430	LF 1" Soft Drawn Type K Copper Tube..... <i>For Up To 20, Add</i> <i>For &gt;150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	14.16 1.65 -0.94 1.43	3.19
22 11 16 00-0431	LF 1-1/4" Soft Drawn Type K Copper Tube..... <i>For Up To 20, Add</i> <i>For &gt;150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	18.17 2.09 -1.11 2.13	4.74
22 11 16 00-0432	LF 1-1/2" Soft Drawn Type K Copper Tube..... <i>For Up To 20, Add</i> <i>For &gt;150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	23.31 2.72 -1.54 2.38	5.30
22 11 16 00-0433	LF 2" Soft Drawn Type K Copper Tube..... <i>For Up To 20, Add</i> <i>For &gt;150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	33.69 3.97 -2.39 2.94	6.54
22 11 16 00-0434	LF 2-1/2" Soft Drawn Type K Copper Tube..... <i>For Up To 20, Add</i> <i>For &gt;150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	47.58 5.65 -3.58 3.52	7.84
22 11 16 00-0435	LF 3" Soft Drawn Type K Copper Tube..... <i>For Up To 20, Add</i> <i>For &gt;150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	63.72 7.62 -4.99 4.16	9.25
<b>22 11 16 00-0436</b>	<b>Copper And Brass Fittings (22 11 16 00-0368)</b> Note: All fittings are based on 95/5 solder.		
<b>22 11 16 00-0437</b>	<b>90 Degree Copper Elbows (22 11 16 00-0436)</b>		
22 11 16 00-0438	EA 1/4" 90 Degree Copper Elbow..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	25.65 -2.38 3.29 1.49 6.58 3.48	14.63
22 11 16 00-0439	EA 3/8" 90 Degree Copper Elbow..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	30.24 -2.83 3.95 1.57 7.89 4.14	17.54
22 11 16 00-0440	EA 1/2" 90 Degree Copper Elbow..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	37.44 -3.68 5.43 0.51 10.85 5.49	24.11
22 11 16 00-0441	EA 3/4" 90 Degree Copper Elbow..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	47.81 -4.64 6.74 1.15 13.48 6.88	30.04

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0442	EA		1" 90 Degree Copper Elbow .....	60.73	35.85
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.72	
			For Brazed Fittings Instead Of 95/5 Solder, Add	8.06	
			For Street Fitting, Add	2.80	
			For Work In Restricted Working Space, Add	16.12	
			For Silver Solder Instead Of 95/5 Solder, Add	8.41	
22 11 16 00-0443	EA		1-1/4" 90 Degree Copper Elbow .....	68.57	38.81
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.33	
			For Brazed Fittings Instead Of 95/5 Solder, Add	8.72	
			For Street Fitting, Add	4.19	
			For Work In Restricted Working Space, Add	17.43	
			For Silver Solder Instead Of 95/5 Solder, Add	9.24	
22 11 16 00-0444	EA		1-1/2" 90 Degree Copper Elbow .....	79.96	42.43
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.18	
			For Brazed Fittings Instead Of 95/5 Solder, Add	9.54	
			For Street Fitting, Add	6.55	
			For Work In Restricted Working Space, Add	19.07	
			For Silver Solder Instead Of 95/5 Solder, Add	10.36	
22 11 16 00-0445	EA		2" 90 Degree Copper Elbow .....	101.12	47.57
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.62	
			For Brazed Fittings Instead Of 95/5 Solder, Add	10.69	
			For Street Fitting, Add	11.95	
			For Work In Restricted Working Space, Add	21.38	
			For Silver Solder Instead Of 95/5 Solder, Add	12.18	
22 11 16 00-0446	EA		2-1/2" 90 Degree Copper Elbow .....	131.26	48.45
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.20	
			For Brazed Fittings Instead Of 95/5 Solder, Add	10.90	
			For Work In Restricted Working Space, Add	21.81	
			For Silver Solder Instead Of 95/5 Solder, Add	13.83	
22 11 16 00-0447	EA		3" 90 Degree Copper Elbow .....	169.42	57.95
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-12.81	
			For Brazed Fittings Instead Of 95/5 Solder, Add	13.02	
			For Work In Restricted Working Space, Add	26.05	
			For Silver Solder Instead Of 95/5 Solder, Add	17.15	
22 11 16 00-0448	EA		4" 90 Degree Copper Elbow .....	323.56	82.18
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-22.34	
			For Brazed Fittings Instead Of 95/5 Solder, Add	18.47	
			For Work In Restricted Working Space, Add	36.95	
			For Silver Solder Instead Of 95/5 Solder, Add	28.49	
22 11 16 00-0449	EA		5" 90 Degree Copper Elbow .....	1,008.13	112.46
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-58.84	
			For Brazed Fittings Instead Of 95/5 Solder, Add	25.29	
			For Work In Restricted Working Space, Add	50.58	
			For Silver Solder Instead Of 95/5 Solder, Add	67.27	
22 11 16 00-0450	EA		6" 90 Degree Copper Elbow .....	1,364.50	163.65
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-80.49	
			For Brazed Fittings Instead Of 95/5 Solder, Add	36.80	
			For Work In Restricted Working Space, Add	73.60	
			For Silver Solder Instead Of 95/5 Solder, Add	92.76	
22 11 16 00-0451	EA		8" 90 Degree Copper Elbow .....	4,467.49	218.17
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-239.73	
			For Brazed Fittings Instead Of 95/5 Solder, Add	49.06	
			For Work In Restricted Working Space, Add	98.13	
			For Silver Solder Instead Of 95/5 Solder, Add	256.08	
<b>22 11 16 00-0452</b>			<b>90 Degree Brass Elbows</b> (22 11 16 00-0438)		
22 11 16 00-0453	EA		1/2" Drop Ear 90 Degree Brass Elbow .....	44.17	24.11
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.02	
			For Brazed Fittings Instead Of 95/5 Solder, Add	5.43	
			For Work In Restricted Working Space, Add	10.85	
			For Silver Solder Instead Of 95/5 Solder, Add	5.83	
22 11 16 00-0454	EA		3/4" Drop Ear 90 Degree Brass Elbow .....	68.26	30.04
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.66	
			For Brazed Fittings Instead Of 95/5 Solder, Add	6.74	
			For Work In Restricted Working Space, Add	13.48	
			For Silver Solder Instead Of 95/5 Solder, Add	7.91	
22 11 16 00-0455	EA		1/2" Flanged Sink 90 Degree Brass Elbow .....	50.75	24.11
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.35	
			For Brazed Fittings Instead Of 95/5 Solder, Add	5.43	
			For Work In Restricted Working Space, Add	10.85	
			For Silver Solder Instead Of 95/5 Solder, Add	6.15	
22 11 16 00-0456	EA		3/8" Drop Ear 90 Degree Brass Elbow, Solder X Threaded.....	38.27	17.54
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.23	
			For Brazed Fittings Instead Of 95/5 Solder, Add	3.95	
			For Work In Restricted Working Space, Add	7.89	
			For Silver Solder Instead Of 95/5 Solder, Add	4.54	
22 11 16 00-0457	EA		1/2" Drop Ear 90 Degree Brass Elbow, Solder X Threaded.....	44.73	24.11
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.05	
			For Brazed Fittings Instead Of 95/5 Solder, Add	5.43	
			For Work In Restricted Working Space, Add	10.85	
			For Silver Solder Instead Of 95/5 Solder, Add	5.85	
22 11 16 00-0458	EA		3/4" Drop Ear 90 Degree Brass Elbow, Solder X Threaded.....	60.02	30.04
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.25	
			For Brazed Fittings Instead Of 95/5 Solder, Add	6.74	
			For Work In Restricted Working Space, Add	13.48	
			For Silver Solder Instead Of 95/5 Solder, Add	7.50	

**22 Plumbing****22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
22 11 16 00-0459	EA 1" Drop Ear 90 Degree Brass Elbow, Solder X Threaded..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	101.85 -7.78 8.06 16.12 10.46	35.85
<b>22 11 16 00-0460</b>	<b>Reducing 90 Degree Copper Elbows (22 11 16 00-0436)</b>		
22 11 16 00-0461	EA 1/2" Reducing 90 Degree Copper Elbow ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	46.50 -4.13 5.43 10.85 5.94	24.11
22 11 16 00-0462	EA 3/4" Reducing 90 Degree Copper Elbow ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	52.27 -4.86 6.74 13.48 7.11	30.04
22 11 16 00-0463	EA 1" Reducing 90 Degree Copper Elbow ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	67.17 -6.04 8.06 16.12 8.73	35.85
22 11 16 00-0464	EA 1-1/4" Reducing 90 Degree Copper Elbow ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	92.36 -7.52 8.72 17.43 10.43	38.81
22 11 16 00-0465	EA 1-1/2" Reducing 90 Degree Copper Elbow ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	108.59 -8.61 9.54 19.07 11.79	42.43
22 11 16 00-0466	EA 2" Reducing 90 Degree Copper Elbow ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	131.83 -10.15 10.69 21.38 13.72	47.57
<b>22 11 16 00-0467</b>	<b>45 Degree Copper Elbows (22 11 16 00-0436)</b>		
22 11 16 00-0468	EA 1/4" 45 Degree Copper Elbow ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	28.87 -2.54 3.29 2.78 6.58 3.64	14.63
22 11 16 00-0469	EA 3/8" 45 Degree Copper Elbow ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	32.26 -2.93 3.95 2.38 7.89 4.24	17.54
22 11 16 00-0470	EA 1/2" 45 Degree Copper Elbow ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	38.51 -3.73 5.43 0.94 10.85 5.54	24.11
22 11 16 00-0471	EA 3/4" 45 Degree Copper Elbow ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	48.94 -4.69 6.74 1.60 13.48 6.94	30.04
22 11 16 00-0472	EA 1" 45 Degree Copper Elbow ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	63.70 -5.87 8.06 3.99 16.12 8.56	35.85
22 11 16 00-0473	EA 1-1/4" 45 Degree Copper Elbow ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	71.62 -6.49 8.72 5.41 17.43 9.39	38.81
22 11 16 00-0474	EA 1-1/2" 45 Degree Copper Elbow ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	80.18 -7.19 9.54 6.64 19.07 10.37	42.43
22 11 16 00-0475	EA 2" 45 Degree Copper Elbow ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	98.92 -8.51 10.69 21.38 12.07	47.57



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0476	EA		2-1/2" 45 Degree Copper Elbow .....	130.55	48.45
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.16	
			For Brazed Fittings Instead Of 95/5 Solder, Add	10.90	
			For Work In Restricted Working Space, Add	21.81	
			For Silver Solder Instead Of 95/5 Solder, Add	13.80	
22 11 16 00-0477	EA		3" 45 Degree Copper Elbow .....	172.67	57.95
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-12.97	
			For Brazed Fittings Instead Of 95/5 Solder, Add	13.02	
			For Work In Restricted Working Space, Add	26.05	
			For Silver Solder Instead Of 95/5 Solder, Add	17.32	
22 11 16 00-0478	EA		4" 45 Degree Copper Elbow .....	306.22	82.18
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-21.47	
			For Brazed Fittings Instead Of 95/5 Solder, Add	18.47	
			For Work In Restricted Working Space, Add	36.95	
			For Silver Solder Instead Of 95/5 Solder, Add	27.63	
22 11 16 00-0479	EA		5" 45 Degree Copper Elbow .....	877.55	112.46
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-52.31	
			For Brazed Fittings Instead Of 95/5 Solder, Add	25.29	
			For Work In Restricted Working Space, Add	50.58	
			For Silver Solder Instead Of 95/5 Solder, Add	60.74	
22 11 16 00-0480	EA		6" 45 Degree Copper Elbow .....	1,362.59	163.65
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-80.40	
			For Brazed Fittings Instead Of 95/5 Solder, Add	36.80	
			For Work In Restricted Working Space, Add	73.60	
			For Silver Solder Instead Of 95/5 Solder, Add	92.66	
22 11 16 00-0481	EA		8" 45 Degree Copper Elbow .....	4,123.51	218.17
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-222.53	
			For Brazed Fittings Instead Of 95/5 Solder, Add	49.06	
			For Work In Restricted Working Space, Add	98.13	
			For Silver Solder Instead Of 95/5 Solder, Add	238.88	
<b>22 11 16 00-0482</b>			<b>Straight Copper And Brass Tees</b> (22 11 16 00-0436)		
22 11 16 00-0483	EA		1/4" Straight Copper Tee .....	40.68	21.93
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.68	
			For Brazed Fittings Instead Of 95/5 Solder, Add	4.93	
			For Work In Restricted Working Space, Add	9.87	
			For Silver Solder Instead Of 95/5 Solder, Add	5.32	
22 11 16 00-0484	EA		3/8" Straight Copper Tee .....	45.73	26.31
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.26	
			For Brazed Fittings Instead Of 95/5 Solder, Add	5.92	
			For Work In Restricted Working Space, Add	11.84	
			For Silver Solder Instead Of 95/5 Solder, Add	6.23	
22 11 16 00-0485	EA		1/2" Straight Copper Tee .....	57.01	36.61
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.59	
			For Brazed Fittings Instead Of 95/5 Solder, Add	8.22	
			For Work In Restricted Working Space, Add	16.45	
			For Silver Solder Instead Of 95/5 Solder, Add	8.33	
22 11 16 00-0486	EA		3/4" Straight Copper Tee .....	73.21	45.39
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.06	
			For Brazed Fittings Instead Of 95/5 Solder, Add	10.20	
			For Work In Restricted Working Space, Add	20.39	
			For Silver Solder Instead Of 95/5 Solder, Add	10.46	
22 11 16 00-0487	EA		1" Straight Copper Tee .....	96.88	54.15
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.90	
			For Brazed Fittings Instead Of 95/5 Solder, Add	12.17	
			For Work In Restricted Working Space, Add	24.34	
			For Silver Solder Instead Of 95/5 Solder, Add	12.96	
22 11 16 00-0488	EA		1-1/4" Straight Copper Tee .....	109.64	58.54
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.87	
			For Brazed Fittings Instead Of 95/5 Solder, Add	13.16	
			For Work In Restricted Working Space, Add	26.31	
			For Silver Solder Instead Of 95/5 Solder, Add	14.25	
22 11 16 00-0489	EA		1-1/2" Straight Copper Tee .....	128.56	63.58
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-11.20	
			For Brazed Fittings Instead Of 95/5 Solder, Add	14.31	
			For Work In Restricted Working Space, Add	28.61	
			For Silver Solder Instead Of 95/5 Solder, Add	15.97	
22 11 16 00-0490	EA		2" Straight Copper Tee .....	160.20	71.70
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-13.38	
			For Brazed Fittings Instead Of 95/5 Solder, Add	16.12	
			For Work In Restricted Working Space, Add	32.23	
			For Silver Solder Instead Of 95/5 Solder, Add	18.75	
22 11 16 00-0491	EA		2-1/2" Straight Copper Tee .....	213.42	72.69
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-16.12	
			For Brazed Fittings Instead Of 95/5 Solder, Add	16.35	
			For Work In Restricted Working Space, Add	32.71	
			For Silver Solder Instead Of 95/5 Solder, Add	21.57	
22 11 16 00-0492	EA		3" Straight Copper Tee .....	290.73	87.53
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-21.10	
			For Brazed Fittings Instead Of 95/5 Solder, Add	19.69	
			For Work In Restricted Working Space, Add	39.37	
			For Silver Solder Instead Of 95/5 Solder, Add	27.66	
22 11 16 00-0493	EA		4" Straight Copper Tee .....	569.75	122.56
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-37.67	
			For Brazed Fittings Instead Of 95/5 Solder, Add	27.56	
			For Work In Restricted Working Space, Add	55.12	
			For Silver Solder Instead Of 95/5 Solder, Add	46.86	

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 11 Facility Water Distribution**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
22 11 16 00-0494	EA 5" Straight Copper Tee .....	1,513.24	167.69
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-88.23	
	For Brazed Fittings Instead Of 95/5 Solder, Add	37.71	
	For Work In Restricted Working Space, Add	75.41	
	For Silver Solder Instead Of 95/5 Solder, Add	100.80	
22 11 16 00-0495	EA 6" Straight Copper Tee .....	2,093.44	245.82
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-123.10	
	For Brazed Fittings Instead Of 95/5 Solder, Add	55.27	
	For Work In Restricted Working Space, Add	110.55	
	For Silver Solder Instead Of 95/5 Solder, Add	141.52	
22 11 16 00-0496	EA 8" Straight Copper Tee .....	7,144.57	327.29
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-381.76	
	For Brazed Fittings Instead Of 95/5 Solder, Add	73.60	
	For Work In Restricted Working Space, Add	147.19	
	For Silver Solder Instead Of 95/5 Solder, Add	406.29	
22 11 16 00-0497	EA 1/2" Cast Bronze Drop Ear Tee .....	68.30	36.61
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.16	
	For Brazed Fittings Instead Of 95/5 Solder, Add	8.22	
	For Work In Restricted Working Space, Add	16.45	
	For Silver Solder Instead Of 95/5 Solder, Add	8.90	
<b>22 11 16 00-0498</b>	<b>Reducing Copper Tees</b> (22 11 16 00-0496)		
22 11 16 00-0499	EA 3/8" Reducing Copper Tee.....	47.47	23.35
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.13	
	For Brazed Fittings Instead Of 95/5 Solder, Add	5.26	
	For Work In Restricted Working Space, Add	10.52	
	For Silver Solder Instead Of 95/5 Solder, Add	5.88	
22 11 16 00-0500	EA 1/2" Reducing Copper Tee.....	60.23	32.89
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.48	
	For Brazed Fittings Instead Of 95/5 Solder, Add	7.40	
	For Work In Restricted Working Space, Add	14.80	
	For Silver Solder Instead Of 95/5 Solder, Add	7.94	
22 11 16 00-0501	EA 3/4" Reducing Copper Tee.....	69.14	42.43
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.64	
	For Brazed Fittings Instead Of 95/5 Solder, Add	9.54	
	For Work In Restricted Working Space, Add	19.07	
	For Silver Solder Instead Of 95/5 Solder, Add	9.82	
22 11 16 00-0502	EA 1" Reducing Copper Tee.....	94.39	51.19
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.56	
	For Brazed Fittings Instead Of 95/5 Solder, Add	11.51	
	For Work In Restricted Working Space, Add	23.02	
	For Silver Solder Instead Of 95/5 Solder, Add	12.39	
22 11 16 00-0503	EA 1-1/4" Reducing Copper Tee .....	110.10	55.58
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.67	
	For Brazed Fittings Instead Of 95/5 Solder, Add	12.50	
	For Work In Restricted Working Space, Add	24.99	
	For Silver Solder Instead Of 95/5 Solder, Add	13.84	
22 11 16 00-0504	EA 1-1/2" Reducing Copper Tee .....	128.86	60.73
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.99	
	For Brazed Fittings Instead Of 95/5 Solder, Add	13.65	
	For Work In Restricted Working Space, Add	27.30	
	For Silver Solder Instead Of 95/5 Solder, Add	15.54	
22 11 16 00-0505	EA 2" Reducing Copper Tee.....	156.70	67.97
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-12.93	
	For Brazed Fittings Instead Of 95/5 Solder, Add	15.29	
	For Work In Restricted Working Space, Add	30.59	
	For Silver Solder Instead Of 95/5 Solder, Add	18.03	
22 11 16 00-0506	EA 2-1/2" Reducing Copper Tee .....	219.35	70.06
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-16.22	
	For Brazed Fittings Instead Of 95/5 Solder, Add	15.75	
	For Work In Restricted Working Space, Add	31.50	
	For Silver Solder Instead Of 95/5 Solder, Add	21.47	
22 11 16 00-0507	EA 3" Reducing Copper Tee.....	308.95	80.76
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-21.51	
	For Brazed Fittings Instead Of 95/5 Solder, Add	18.17	
	For Work In Restricted Working Space, Add	36.35	
	For Silver Solder Instead Of 95/5 Solder, Add	27.56	
22 11 16 00-0508	EA 4" Reducing Copper Tee.....	544.77	99.64
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-34.71	
	For Brazed Fittings Instead Of 95/5 Solder, Add	22.41	
	For Work In Restricted Working Space, Add	44.83	
	For Silver Solder Instead Of 95/5 Solder, Add	42.18	
<b>22 11 16 00-0509</b>	<b>Copper Couplings</b> (22 11 16 00-0496)		
22 11 16 00-0510	EA 1/4" Copper Coupling.....	22.67	14.63
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.23	
	For Brazed Fittings Instead Of 95/5 Solder, Add	3.29	
	For Work In Restricted Working Space, Add	6.58	
	For Silver Solder Instead Of 95/5 Solder, Add	3.33	
22 11 16 00-0511	EA 3/8" Copper Coupling.....	27.30	17.54
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.68	
	For Brazed Fittings Instead Of 95/5 Solder, Add	3.95	
	For Work In Restricted Working Space, Add	7.89	
	For Silver Solder Instead Of 95/5 Solder, Add	4.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0512	EA		1/2" Copper Coupling.....	36.98	24.11
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.66	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.43	
			<i>For Work In Restricted Working Space, Add</i>	10.85	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.47	
22 11 16 00-0513	EA		3/4" Copper Coupling.....	46.60	30.04
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.58	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.74	
			<i>For Work In Restricted Working Space, Add</i>	13.48	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.82	
22 11 16 00-0514	EA		1" Copper Coupling.....	57.01	35.85
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.54	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	8.06	
			<i>For Work In Restricted Working Space, Add</i>	16.12	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	8.22	
22 11 16 00-0515	EA		1-1/4" Copper Coupling .....	63.90	38.81
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.10	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	8.72	
			<i>For Work In Restricted Working Space, Add</i>	17.43	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	9.01	
22 11 16 00-0516	EA		1-1/2" Copper Coupling .....	71.26	42.43
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.74	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.54	
			<i>For Work In Restricted Working Space, Add</i>	19.07	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	9.92	
22 11 16 00-0517	EA		2" Copper Coupling.....	84.03	47.14
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-7.76	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	10.69	
			<i>For Work In Restricted Working Space, Add</i>	21.38	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	11.33	
22 11 16 00-0518	EA		2-1/2" Copper Coupling .....	94.91	45.83
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-8.18	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	10.30	
			<i>For Work In Restricted Working Space, Add</i>	20.60	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	11.61	
22 11 16 00-0519	EA		3" Copper Coupling.....	118.52	55.53
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-10.07	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	12.42	
			<i>For Work In Restricted Working Space, Add</i>	24.83	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	14.20	
22 11 16 00-0520	EA		4" Copper Coupling.....	189.79	74.71
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-15.04	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	16.66	
			<i>For Work In Restricted Working Space, Add</i>	33.32	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	20.59	
22 11 16 00-0521	EA		5" Copper Coupling.....	315.52	136.29
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-23.35	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	22.71	
			<i>For Work In Restricted Working Space, Add</i>	45.43	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	30.92	
22 11 16 00-0522	EA		6" Copper Coupling.....	493.28	148.10
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-35.77	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	33.32	
			<i>For Work In Restricted Working Space, Add</i>	66.63	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	46.87	
22 11 16 00-0523	EA		8" Copper Coupling.....	1,173.83	196.36
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-73.43	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	44.22	
			<i>For Work In Restricted Working Space, Add</i>	88.44	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	88.17	
22 11 16 00-0524			<b>Reducing Copper Couplings</b> <small>(22 11 16 00-0436)</small>		
22 11 16 00-0525	EA		3/8" Reducing Copper Coupling .....	23.56	14.58
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.27	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.29	
			<i>For Work In Restricted Working Space, Add</i>	6.58	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.37	
22 11 16 00-0526	EA		1/2" Reducing Copper Coupling .....	32.95	20.83
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.21	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.69	
			<i>For Work In Restricted Working Space, Add</i>	9.38	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.77	
22 11 16 00-0527	EA		3/4" Reducing Copper Coupling .....	43.50	27.08
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.20	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.08	
			<i>For Work In Restricted Working Space, Add</i>	12.17	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.23	
22 11 16 00-0528	EA		1" Reducing Copper Coupling .....	54.64	32.89
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.20	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.40	
			<i>For Work In Restricted Working Space, Add</i>	14.80	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.67	
22 11 16 00-0529	EA		1-1/4" Reducing Copper Coupling .....	63.30	37.27
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.96	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	8.39	
			<i>For Work In Restricted Working Space, Add</i>	16.77	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	8.76	

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 11 Facility Water Distribution**



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
22 11 16 00-0530	EA	1-1/2" Reducing Copper Coupling .....	73.08	40.56
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.70	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.13	
		<i>For Work In Restricted Working Space, Add</i>	18.25	
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	9.74	
22 11 16 00-0531	EA	2" Reducing Copper Coupling.....	86.35	44.94
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-7.69	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	10.11	
		<i>For Work In Restricted Working Space, Add</i>	20.23	
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	11.06	
22 11 16 00-0532	EA	2-1/2" Reducing Copper Coupling .....	108.11	46.14
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-8.86	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	10.37	
		<i>For Work In Restricted Working Space, Add</i>	20.75	
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	12.32	
22 11 16 00-0533	EA	3" Reducing Copper Coupling.....	127.92	53.50
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-10.38	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	11.96	
		<i>For Work In Restricted Working Space, Add</i>	23.93	
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	14.37	
22 11 16 00-0534	EA	4" Reducing Copper Coupling.....	200.61	70.06
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-15.28	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	15.75	
		<i>For Work In Restricted Working Space, Add</i>	31.50	
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	20.53	
22 11 16 00-0535	EA	5" Reducing Copper Coupling.....	520.29	97.62
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-33.33	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	21.96	
		<i>For Work In Restricted Working Space, Add</i>	43.91	
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	40.65	
22 11 16 00-0536	EA	6" Reducing Copper Coupling.....	775.88	131.24
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-48.64	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	29.53	
		<i>For Work In Restricted Working Space, Add</i>	59.06	
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	58.48	
22 11 16 00-0537	EA	8" Reducing Copper Coupling.....	1,514.18	191.24
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-90.04	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	43.01	
		<i>For Work In Restricted Working Space, Add</i>	86.01	
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	104.38	
<b>22 11 16 00-0538</b>		<b>Male Copper Adapters <small>(22 11 16 00-0436)</small></b>		
22 11 16 00-0539	EA	1/4" Male Copper Adapter.....	35.06	14.25
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.85	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.29	
		<i>For Work In Restricted Working Space, Add</i>	6.58	
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.95	
22 11 16 00-0540	EA	3/8" Male Copper Adapter.....	32.86	17.54
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.96	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.95	
		<i>For Work In Restricted Working Space, Add</i>	7.89	
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.27	
22 11 16 00-0541	EA	1/2" Male Copper Adapter.....	35.54	21.93
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.42	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.93	
		<i>For Work In Restricted Working Space, Add</i>	9.87	
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.07	
22 11 16 00-0542	EA	3/4" Male Copper Adapter.....	45.05	27.41
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.28	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.08	
		<i>For Work In Restricted Working Space, Add</i>	12.17	
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.31	
22 11 16 00-0543	EA	1" Male Copper Adapter.....	58.57	31.79
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.29	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.07	
		<i>For Work In Restricted Working Space, Add</i>	14.14	
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.64	
22 11 16 00-0544	EA	1-1/4" Male Copper Adapter .....	71.45	36.17
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.31	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	8.22	
		<i>For Work In Restricted Working Space, Add</i>	16.45	
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	9.05	
22 11 16 00-0545	EA	1-1/2" Male Copper Adapter .....	81.94	41.66
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-7.22	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.37	
		<i>For Work In Restricted Working Space, Add</i>	18.74	
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	10.35	
22 11 16 00-0546	EA	2" Male Copper Adapter.....	112.98	53.16
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-9.65	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	12.00	
		<i>For Work In Restricted Working Space, Add</i>	24.01	
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	13.65	
22 11 16 00-0547	EA	2-1/2" Male Copper Adapter .....	207.82	69.06
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-15.54	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	15.46	
		<i>For Work In Restricted Working Space, Add</i>	30.91	
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	20.70	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0548	EA		3" Male Copper Adapter .....	276.02	92.12
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-20.67	
			For Brazed Fittings Instead Of 95/5 Solder, Add	20.60	
			For Work In Restricted Working Space, Add	41.19	
			For Silver Solder Instead Of 95/5 Solder, Add	27.53	
22 11 16 00-0549	EA		4" Male Copper Adapter .....	415.68	129.22
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-30.48	
			For Brazed Fittings Instead Of 95/5 Solder, Add	29.07	
			For Work In Restricted Working Space, Add	58.15	
			For Silver Solder Instead Of 95/5 Solder, Add	40.17	
<b>22 11 16 00-0550</b>			<b>Female Copper Adapters (22 11 16 00-0436)</b>		
22 11 16 00-0551	EA		1/4" Female Copper Adapter .....	30.32	14.25
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.61	
			For Brazed Fittings Instead Of 95/5 Solder, Add	3.29	
			For Work In Restricted Working Space, Add	6.58	
			For Silver Solder Instead Of 95/5 Solder, Add	3.71	
22 11 16 00-0552	EA		3/8" Female Copper Adapter .....	35.09	17.54
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.07	
			For Brazed Fittings Instead Of 95/5 Solder, Add	3.95	
			For Work In Restricted Working Space, Add	7.89	
			For Silver Solder Instead Of 95/5 Solder, Add	4.39	
22 11 16 00-0553	EA		1/2" Female Copper Adapter .....	37.14	21.93
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.50	
			For Brazed Fittings Instead Of 95/5 Solder, Add	4.93	
			For Work In Restricted Working Space, Add	9.87	
			For Silver Solder Instead Of 95/5 Solder, Add	5.15	
22 11 16 00-0554	EA		3/4" Female Copper Adapter .....	46.36	27.41
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.35	
			For Brazed Fittings Instead Of 95/5 Solder, Add	6.08	
			For Work In Restricted Working Space, Add	12.17	
			For Silver Solder Instead Of 95/5 Solder, Add	6.37	
22 11 16 00-0555	EA		1" Female Copper Adapter .....	60.41	31.79
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.38	
			For Brazed Fittings Instead Of 95/5 Solder, Add	7.07	
			For Work In Restricted Working Space, Add	14.14	
			For Silver Solder Instead Of 95/5 Solder, Add	7.73	
22 11 16 00-0556	EA		1-1/4" Female Copper Adapter .....	74.28	36.17
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.46	
			For Brazed Fittings Instead Of 95/5 Solder, Add	8.22	
			For Work In Restricted Working Space, Add	16.45	
			For Silver Solder Instead Of 95/5 Solder, Add	9.20	
22 11 16 00-0557	EA		1-1/2" Female Copper Adapter .....	92.95	41.66
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.77	
			For Brazed Fittings Instead Of 95/5 Solder, Add	9.37	
			For Work In Restricted Working Space, Add	18.74	
			For Silver Solder Instead Of 95/5 Solder, Add	10.90	
22 11 16 00-0558	EA		2" Female Copper Adapter .....	121.36	53.16
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.07	
			For Brazed Fittings Instead Of 95/5 Solder, Add	12.00	
			For Work In Restricted Working Space, Add	24.01	
			For Silver Solder Instead Of 95/5 Solder, Add	14.07	
22 11 16 00-0559	EA		2-1/2" Female Copper Adapter .....	242.74	63.60
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-16.88	
			For Brazed Fittings Instead Of 95/5 Solder, Add	14.23	
			For Work In Restricted Working Space, Add	28.47	
			For Silver Solder Instead Of 95/5 Solder, Add	21.63	
22 11 16 00-0560	EA		3" Female Copper Adapter .....	386.36	92.12
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-26.18	
			For Brazed Fittings Instead Of 95/5 Solder, Add	20.60	
			For Work In Restricted Working Space, Add	41.19	
			For Silver Solder Instead Of 95/5 Solder, Add	33.05	
<b>22 11 16 00-0561</b>			<b>Wrot Copper, Solder Union (22 11 16 00-0436)</b>		
22 11 16 00-0562	EA		1/4" Wrot Copper, Solder Union.....	44.83	17.54
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.56	
			For Brazed Fittings Instead Of 95/5 Solder, Add	3.95	
			For Work In Restricted Working Space, Add	7.89	
			For Silver Solder Instead Of 95/5 Solder, Add	4.87	
22 11 16 00-0563	EA		3/8" Wrot Copper, Solder Union.....	50.87	21.15
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.13	
			For Brazed Fittings Instead Of 95/5 Solder, Add	4.77	
			For Work In Restricted Working Space, Add	9.54	
			For Silver Solder Instead Of 95/5 Solder, Add	5.72	
22 11 16 00-0564	EA		1/2" Wrot Copper, Solder Union.....	51.26	26.31
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.54	
			For Brazed Fittings Instead Of 95/5 Solder, Add	5.92	
			For Work In Restricted Working Space, Add	11.84	
			For Silver Solder Instead Of 95/5 Solder, Add	6.51	
22 11 16 00-0565	EA		3/4" Wrot Copper, Solder Union.....	59.44	30.04
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.22	
			For Brazed Fittings Instead Of 95/5 Solder, Add	6.74	
			For Work In Restricted Working Space, Add	13.48	
			For Silver Solder Instead Of 95/5 Solder, Add	7.47	

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 11 Facility Water Distribution**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
22 11 16 00-0566	EA 1" Wrot Copper, Solder Union..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	78.65 -6.62 8.06 16.12 9.30	35.85
22 11 16 00-0567	EA 1-1/4" Wrot Copper, Solder Union ..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	95.29 -7.72 8.88 17.76 10.68	39.47
22 11 16 00-0568	EA 1-1/2" Wrot Copper, Solder Union ..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	116.67 -9.12 9.87 19.73 12.41	43.85
22 11 16 00-0569	EA 2" Wrot Copper, Solder Union..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	165.68 -12.23 11.84 23.68 16.18	52.62
22 11 16 00-0570	EA 2-1/2" Wrot Copper, Solder Union ..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	323.38 -20.51 13.02 26.05 24.85	57.95
22 11 16 00-0571	EA 3" Wrot Copper, Solder Union..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	735.32 -42.92 18.47 36.95 49.08	82.18
<b>22 11 16 00-0572</b>	<b>Cast Bronze, Solder Union (22 11 16 00-0436)</b>		
22 11 16 00-0573	EA 1/4" Cast Bronze, Solder Union ..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	51.66 -3.90 3.95 7.89 5.21	17.54
22 11 16 00-0574	EA 3/8" Cast Bronze, Solder Union ..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	57.31 -4.46 4.77 9.54 6.04	21.15
22 11 16 00-0575	EA 1/2" Cast Bronze, Solder Union ..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	53.06 -4.63 5.92 11.84 6.60	26.31
22 11 16 00-0576	EA 3/4" Cast Bronze, Solder Union ..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	61.98 -5.35 6.74 13.48 7.59	30.04
22 11 16 00-0577	EA 1" Cast Bronze, Solder Union ..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	83.05 -6.84 8.06 16.12 9.52	35.85
22 11 16 00-0578	EA 1-1/4" Cast Bronze, Solder Union..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	107.33 -8.33 8.88 17.76 11.29	39.47
22 11 16 00-0579	EA 1-1/2" Cast Bronze, Solder Union..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	129.22 -9.75 9.87 19.73 13.04	43.85
22 11 16 00-0580	EA 2" Cast Bronze, Solder Union ..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	187.05 -13.30 11.84 23.68 17.25	52.62
22 11 16 00-0581	EA 2-1/2" Cast Bronze, Solder Union ..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	323.37 -20.51 13.02 26.05 24.85	57.95
22 11 16 00-0582	EA 3" Cast Bronze, Solder Union ..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	735.32 -42.92 18.47 36.95 49.08	82.18
<b>22 11 16 00-0583</b>	<b>Cast Bronze, Solder X Female Threaded Union (22 11 16 00-0436)</b>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0584	EA		1/4" Cast Bronze, Solder X Female Threaded Union..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	60.88 -4.36 3.95 7.89 5.68	17.54
22 11 16 00-0585	EA		3/8" Cast Bronze, Solder X Female Threaded Union..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	67.56 -4.97 4.77 9.54 6.56	21.15
22 11 16 00-0586	EA		1/2" Cast Bronze, Solder X Female Threaded Union..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	67.88 -5.37 5.92 11.84 7.34	26.31
22 11 16 00-0587	EA		3/4" Cast Bronze, Solder X Female Threaded Union..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	83.67 -6.43 6.74 13.48 8.68	30.04
22 11 16 00-0588	EA		1" Cast Bronze, Solder X Female Threaded Union..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	134.27 -9.40 8.06 16.12 12.09	35.85
22 11 16 00-0589	EA		1-1/4" Cast Bronze, Solder X Female Threaded Union..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	209.32 -13.43 8.88 17.76 16.39	39.47
22 11 16 00-0590	EA		1-1/2" Cast Bronze, Solder X Female Threaded Union..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	255.96 -16.09 9.87 19.73 19.38	43.85
22 11 16 00-0591	EA		2" Cast Bronze, Solder X Female Threaded Union..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	400.85 -23.99 11.84 23.68 27.94	52.62
22 11 16 00-0592	EA		2-1/2" Cast Bronze, Solder X Female Threaded Union..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	697.08 -39.20 13.02 26.05 43.54	57.95
<b>22 11 16 00-0593</b>			<b>Cast Bronze, Solder X Male Threaded Union</b> (22 11 16 00-0436)		
22 11 16 00-0594	EA		1/4" Cast Bronze, Solder X Male Threaded Union..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	52.64 -3.95 3.95 7.89 5.26	17.54
22 11 16 00-0595	EA		3/8" Cast Bronze, Solder X Male Threaded Union..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	62.52 -4.72 4.77 9.54 6.31	21.15
22 11 16 00-0596	EA		1/2" Cast Bronze, Solder X Male Threaded Union..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	61.90 -5.07 5.92 11.84 7.04	26.31
22 11 16 00-0597	EA		3/4" Cast Bronze, Solder X Male Threaded Union..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	78.60 -6.18 6.74 13.48 8.42	30.04
22 11 16 00-0598	EA		1" Cast Bronze, Solder X Male Threaded Union..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	136.59 -9.52 8.06 16.12 12.20	35.85
22 11 16 00-0599	EA		1-1/4" Cast Bronze, Solder X Male Threaded Union..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	162.00 -11.06 8.88 17.76 14.02	39.47
22 11 16 00-0600	EA		1-1/2" Cast Bronze, Solder X Male Threaded Union..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	173.76 -11.98 9.87 19.73 15.27	43.85
22 11 16 00-0601	EA		2" Cast Bronze, Solder X Male Threaded Union..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	244.79 -16.19 11.84 23.68 20.13	52.62

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 11 Facility Water Distribution**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
22 11 16 00-0602	EA 2-1/2" Cast Bronze, Solder X Male Threaded Union..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	572.87 -32.98 13.02 26.05 37.33	57.95
<b>22 11 16 00-0603</b>	<b>Copper Caps (22 11 16 00-0436)</b>		
22 11 16 00-0604	EA 1/4" Copper Cap ..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	8.36 -0.78 1.08 2.17 1.14	4.82
22 11 16 00-0605	EA 3/8" Copper Cap ..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	10.48 -0.96 1.30 2.60 1.39	5.70
22 11 16 00-0606	EA 1/2" Copper Cap ..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	12.86 -1.24 1.79 3.58 1.84	7.90
22 11 16 00-0607	EA 3/4" Copper Cap ..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	16.57 -1.57 2.23 4.45 2.31	9.76
22 11 16 00-0608	EA 1" Copper Cap ..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	21.80 -1.98 2.66 5.32 2.86	11.73
22 11 16 00-0609	EA 1-1/4" Copper Cap ..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	24.62 -2.19 2.88 5.75 3.15	12.61
22 11 16 00-0610	EA 1-1/2" Copper Cap ..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	28.91 -2.49 3.15 6.29 3.54	13.81
22 11 16 00-0611	EA 2" Copper Cap ..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	36.31 -2.90 3.25 6.50 3.98	14.33
22 11 16 00-0612	EA 2-1/2" Copper Cap ..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	69.32 -4.74 3.82 7.63 6.01	16.76
22 11 16 00-0613	EA 3" Copper Cap ..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	95.41 -6.40 4.88 9.77 8.03	21.51
22 11 16 00-0614	EA 4" Copper Cap ..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	167.88 -10.86 7.39 14.78 13.32	32.51
22 11 16 00-0615	EA 5" Cast Bronze Cap ..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	909.68 -49.28 11.38 22.76 53.07	50.08
22 11 16 00-0616	EA 6" Cast Bronze Cap ..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	1,771.64 -94.10 16.56 33.12 99.62	72.89
22 11 16 00-0617	EA 8" Cast Bronze Cap ..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	2,255.57 -120.14 22.08 44.16 127.50	97.12
<b>22 11 16 00-0618</b>	<b>Copper Crosses (22 11 16 00-0436)</b>		
22 11 16 00-0619	EA 1/2" Copper Cross ..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	81.23 -7.39 9.99 19.99 10.72	44.42



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0620	EA		3/4" Copper Cross ..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	111.15 -9.70 12.42 24.83 13.84	55.23
22 11 16 00-0621	EA		1" Copper Cross ..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	147.13 -12.30 14.84 29.68 17.25	65.92
22 11 16 00-0622	EA		1-1/4" Copper Cross ..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	176.28 -14.16 16.05 32.10 19.52	71.37
22 11 16 00-0623	EA		1-1/2" Copper Cross ..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	215.84 -16.65 17.57 35.13 22.50	78.03
22 11 16 00-0624	EA		2" Copper Cross ..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	317.77 -22.45 19.69 39.37 29.01	87.53
22 11 16 00-0625	EA		2-1/2" Copper Cross ..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	575.33 -36.04 21.81 43.61 43.30	96.92
<b>22 11 16 00-0626</b>			<b>Cast Bronze Crosses</b> (22 11 16 00-0436)		
22 11 16 00-0627	EA		3/8" Cast Bronze Cross ..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	67.91 -5.82 7.27 14.54 8.24	32.31
22 11 16 00-0628	EA		1/2" Cast Bronze Cross ..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	84.15 -7.54 9.99 19.99 10.87	44.42
22 11 16 00-0629	EA		3/4" Cast Bronze Cross ..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	116.82 -9.98 12.42 24.83 14.12	55.23
22 11 16 00-0630	EA		1" Cast Bronze Cross ..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	156.75 -12.78 14.84 29.68 17.73	65.92
22 11 16 00-0631	EA		1-1/4" Cast Bronze Cross ..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	190.14 -14.86 16.05 32.10 20.21	71.37
22 11 16 00-0632	EA		1-1/2" Cast Bronze Cross ..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	235.59 -17.64 17.57 35.13 23.49	78.03
22 11 16 00-0633	EA		2" Cast Bronze Cross ..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	355.07 -24.32 19.69 39.37 30.88	87.53
22 11 16 00-0634	EA		2-1/2" Cast Bronze Cross ..... For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add For Silver Solder Instead Of 95/5 Solder, Add	661.33 -40.34 21.81 43.61 47.60	96.92
<b>22 11 16 00-0635</b>			<b>Flexible Corrugated Copper Supply Line</b> (22 11 16 00-0436)		
22 11 16 00-0636	EA		3/4" Threaded x 3/4" Solder x 18" Long, Flexible Corrugated Copper Supply Line .....	88.84	30.04
22 11 16 00-0637	EA		3/4" Threaded x 3/4" Solder x 24" Long, Flexible Corrugated Copper Supply Line .....	94.12	30.04
22 11 16 00-0638	EA		3/4" Threaded x 3/4" Threaded x 12" Long, Flexible Corrugated Copper Supply Line .....	79.34	30.04
22 11 16 00-0639	EA		3/4" Threaded x 3/4" Threaded x 15" Long, Flexible Corrugated Copper Supply Line .....	85.32	30.04
22 11 16 00-0640	EA		3/4" Threaded x 3/4" Threaded x 18" Long, Flexible Corrugated Copper Supply Line .....	90.60	30.04
22 11 16 00-0641	EA		3/4" Threaded x 3/4" Threaded x 24" Long, Flexible Corrugated Copper Supply Line .....	94.12	30.04
<b>22 11 16 00-0642</b>			<b>Crimped Copper Fittings</b> (22 11 16 00-0368) Note: Viega ProPress type. Includes factory installed ethylene propylene diene monomer (EPDM) sealing elements.		
<b>22 11 16 00-0643</b>			<b>Crimped Copper 90 Degree Elbows</b> (22 11 16 00-0642)		
22 11 16 00-0644	EA		1/2" Crimped Copper 90 Degree Elbow .....	23.74	13.16

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 11 16 00-0645	EA		3/4" Crimped Copper 90 Degree Elbow.....	29.27	15.02
22 11 16 00-0646	EA		1" Crimped Copper 90 Degree Elbow.....	40.47	17.87
22 11 16 00-0647	EA		1-1/4" Crimped Copper 90 Degree Elbow.....	57.09	19.73
22 11 16 00-0648	EA		1-1/2" Crimped Copper 90 Degree Elbow.....	84.96	21.93
22 11 16 00-0649	EA		2" Crimped Copper 90 Degree Elbow.....	111.84	26.31
22 11 16 00-0650	EA		2-1/2" Crimped Copper 90 Degree Elbow.....	256.26	30.69
22 11 16 00-0651	EA		3" Crimped Copper 90 Degree Elbow.....	319.30	36.50
22 11 16 00-0652	EA		4" Crimped Copper 90 Degree Elbow.....	399.57	48.24
<b>22 11 16 00-0653</b>			<b>Crimped Copper 45 Degree Elbows (22 11 16 00-0642)</b>		
22 11 16 00-0654	EA		1/2" Crimped Copper 45 Degree Elbow.....	24.40	13.16
22 11 16 00-0655	EA		3/4" Crimped Copper 45 Degree Elbow.....	28.21	15.02
22 11 16 00-0656	EA		1" Crimped Copper 45 Degree Elbow.....	45.28	17.87
22 11 16 00-0657	EA		1-1/4" Crimped Copper 45 Degree Elbow.....	56.03	19.73
22 11 16 00-0658	EA		1-1/2" Crimped Copper 45 Degree Elbow.....	75.76	21.93
22 11 16 00-0659	EA		2" Crimped Copper 45 Degree Elbow.....	99.43	26.31
22 11 16 00-0660	EA		2-1/2" Crimped Copper 45 Degree Elbow.....	184.90	30.69
22 11 16 00-0661	EA		3" Crimped Copper 45 Degree Elbow.....	253.22	36.50
22 11 16 00-0662	EA		4" Crimped Copper 45 Degree Elbow.....	347.88	48.24
<b>22 11 16 00-0663</b>			<b>Crimped Copper Straight Tees (22 11 16 00-0642)</b>		
22 11 16 00-0664	EA		1/2" Crimped Copper Straight Tee.....	35.73	19.73
22 11 16 00-0665	EA		3/4" Crimped Copper Straight Tee.....	49.73	25.98
22 11 16 00-0666	EA		1" Crimped Copper Straight Tee.....	62.80	28.83
22 11 16 00-0667	EA		1-1/4" Crimped Copper Straight Tee.....	77.38	29.59
22 11 16 00-0668	EA		1-1/2" Crimped Copper Straight Tee.....	114.51	33.65
22 11 16 00-0669	EA		2" Crimped Copper Straight Tee.....	138.37	39.47
22 11 16 00-0670	EA		2-1/2" Crimped Copper Straight Tee.....	328.79	46.04
22 11 16 00-0671	EA		3" Crimped Copper Straight Tee.....	406.86	54.82
22 11 16 00-0672	EA		4" Crimped Copper Straight Tee.....	564.06	72.35
<b>22 11 16 00-0673</b>			<b>Crimped Copper Reducing Tees (22 11 16 00-0642)</b>		
22 11 16 00-0674	EA		3/4" Crimped Copper Reducing Tee.....	44.86	18.75
22 11 16 00-0675	EA		1" Crimped Copper Reducing Tee.....	66.60	24.67
22 11 16 00-0676	EA		1-1/4" Crimped Copper Reducing Tee.....	71.28	27.41
22 11 16 00-0677	EA		1-1/2" Crimped Copper Reducing Tee.....	99.09	28.17
22 11 16 00-0678	EA		2" Crimped Copper Reducing Tee.....	119.88	31.90
22 11 16 00-0679	EA		2-1/2" Crimped Copper Reducing Tee.....	359.92	36.17
22 11 16 00-0680	EA		3" Crimped Copper Reducing Tee.....	439.28	43.85
22 11 16 00-0681	EA		4" Crimped Copper Reducing Tee.....	512.64	58.43
<b>22 11 16 00-0682</b>			<b>Crimped Copper Couplings (22 11 16 00-0642)</b>		
22 11 16 00-0683	EA		1/2" Crimped Copper Coupling.....	23.34	13.16
22 11 16 00-0684	EA		3/4" Crimped Copper Coupling.....	27.95	15.02
22 11 16 00-0685	EA		1" Crimped Copper Coupling.....	37.92	17.87
22 11 16 00-0686	EA		1-1/4" Crimped Copper Coupling.....	43.35	19.73
22 11 16 00-0687	EA		1-1/2" Crimped Copper Coupling.....	58.53	21.93
22 11 16 00-0688	EA		2" Crimped Copper Coupling.....	72.19	26.31
22 11 16 00-0689	EA		2-1/2" Crimped Copper Coupling.....	150.74	30.69
22 11 16 00-0690	EA		3" Crimped Copper Coupling.....	188.16	36.50
22 11 16 00-0691	EA		4" Crimped Copper Coupling.....	257.50	48.24
<b>22 11 16 00-0692</b>			<b>Crimped Copper Reducing Couplings (22 11 16 00-0642)</b>		
22 11 16 00-0693	EA		3/4" Crimped Copper Reducing Coupling.....	35.18	12.50
22 11 16 00-0694	EA		1" Crimped Copper Reducing Coupling.....	40.20	14.25
22 11 16 00-0695	EA		1-1/4" Crimped Copper Reducing Coupling.....	52.92	16.99
22 11 16 00-0696	EA		1-1/2" Crimped Copper Reducing Coupling.....	68.49	18.75
22 11 16 00-0697	EA		2" Crimped Copper Reducing Coupling.....	76.64	20.83
22 11 16 00-0698	EA		2-1/2" Crimped Copper FTG x C Reducing Coupling.....	160.95	24.88
22 11 16 00-0699	EA		3" Crimped Copper FTG x C Reducing Coupling.....	201.61	29.27
22 11 16 00-0700	EA		4" Crimped Copper FTG x C Reducing Coupling.....	261.64	38.70
<b>22 11 16 00-0701</b>			<b>Crimped Copper Male Adapters (22 11 16 00-0642)</b>		
22 11 16 00-0702	EA		1/2" Crimped Copper Male Adapter.....	24.14	13.16
22 11 16 00-0703	EA		3/4" Crimped Copper Male Adapter.....	30.47	15.02
22 11 16 00-0704	EA		1" Crimped Copper Male Adapter.....	41.53	17.87
22 11 16 00-0705	EA		1-1/4" Crimped Copper Male Adapter.....	61.77	19.73
22 11 16 00-0706	EA		1-1/2" Crimped Copper Male Adapter.....	78.02	21.93
22 11 16 00-0707	EA		2" Crimped Copper Male Adapter.....	126.39	26.31
22 11 16 00-0708	EA		2-1/2" Crimped Copper Male Adapter.....	256.26	30.69
22 11 16 00-0709	EA		3" Crimped Copper Male Adapter.....	319.30	36.50
22 11 16 00-0710	EA		4" Crimped Copper Male Adapter.....	378.49	48.24
<b>22 11 16 00-0711</b>			<b>Crimped Copper Female Adapters (22 11 16 00-0642)</b>		
22 11 16 00-0712	EA		1/2" Crimped Copper Female Adapter.....	25.07	13.16
22 11 16 00-0713	EA		3/4" Crimped Copper Female Adapter.....	31.15	15.02
22 11 16 00-0714	EA		1" Crimped Copper Female Adapter.....	42.88	17.87

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0715	EA		1-1/4" Crimped Copper Female Adapter.....	65.78	19.73
22 11 16 00-0716	EA		1-1/2" Crimped Copper Female Adapter.....	85.50	21.93
22 11 16 00-0717	EA		2" Crimped Copper Female Adapter.....	128.79	26.31
<b>22 11 16 00-0718</b>			<b>Crimped Copper Caps (22 11 16 00-0642)</b>		
22 11 16 00-0719	EA		1/2" Crimped Copper Cap.....	17.60	6.58
22 11 16 00-0720	EA		3/4" Crimped Copper Cap.....	24.59	7.68
22 11 16 00-0721	EA		1" Crimped Copper Cap.....	33.32	8.77
22 11 16 00-0722	EA		1-1/4" Crimped Copper Cap.....	37.63	9.86
22 11 16 00-0723	EA		1-1/2" Crimped Copper Cap.....	52.37	11.29
22 11 16 00-0724	EA		2" Crimped Copper Cap.....	62.72	13.16
22 11 16 00-0725	EA		2-1/2" Crimped Copper Cap.....	160.47	15.35
22 11 16 00-0726	EA		3" Crimped Copper Cap.....	201.37	18.31
22 11 16 00-0727	EA		4" Crimped Copper Cap.....	267.99	24.11
<b>22 11 16 00-0728</b>			<b>C x F NPT Crimped Bronze Unions (22 11 16 00-0642)</b>		
22 11 16 00-0729	EA		1/2" C x F NPT Crimped Bronze Union.....	49.56	17.87
22 11 16 00-0730	EA		3/4" C x F NPT Crimped Bronze Union.....	62.11	22.04
22 11 16 00-0731	EA		1" C x F NPT Crimped Bronze Union.....	87.92	26.42
22 11 16 00-0732	EA		1-1/4" C x F NPT Crimped Bronze Union.....	106.98	30.48
22 11 16 00-0733	EA		1-1/2" C x F NPT Crimped Bronze Union.....	140.86	29.82
22 11 16 00-0734	EA		2" C x F NPT Crimped Bronze Union.....	192.06	43.19
<b>22 11 16 00-0735</b>			<b>C x C Crimped Bronze Unions (22 11 16 00-0642)</b>		
22 11 16 00-0736	EA		1/2" C x C Bronze Crimped Union.....	48.03	13.16
22 11 16 00-0737	EA		3/4" C x C Bronze Crimped Union.....	59.58	15.02
22 11 16 00-0738	EA		1" C x C Bronze Crimped Union.....	86.13	17.87
22 11 16 00-0739	EA		1-1/4" C x C Bronze Crimped Union.....	114.24	19.73
22 11 16 00-0740	EA		1-1/2" C x C Bronze Crimped Union.....	147.85	21.93
22 11 16 00-0741	EA		2" C x C Bronze Crimped Union.....	227.20	26.31
<b>22 11 16 00-0742</b>			<b>C x Flange Crimped Bronze Flange (22 11 16 00-0642)</b>		
22 11 16 00-0743	EA		2-1/2" C x Flange Crimped Bronze Flange.....	448.01	30.69
22 11 16 00-0744	EA		3" C x Flange Crimped Bronze Flange.....	487.47	36.50
22 11 16 00-0745	EA		4" C x Flange Crimped Bronze Flange.....	556.69	48.24
<b>22 11 16 00-0746</b>			<b>Field Installed FKM Seals (22 11 16 00-0642)</b>		
			Note: For vacuum systems. Includes removing factory installed ethylene propylene diene monomer (EPDM) seal and installing FKM seal.		
22 11 16 00-0747	EA		1/2" Field Installed FKM Seal..... Note: To be used in conjunction with fittings.	7.21	
22 11 16 00-0748	EA		3/4" Field Installed FKM Seal..... Note: To be used in conjunction with fittings.	9.22	
22 11 16 00-0749	EA		1" Field Installed FKM Seal..... Note: To be used in conjunction with fittings.	10.59	
22 11 16 00-0750	EA		1-1/4" Field Installed FKM Seal..... Note: To be used in conjunction with fittings.	12.21	
22 11 16 00-0751	EA		1-1/2" Field Installed FKM Seal..... Note: To be used in conjunction with fittings.	17.58	
22 11 16 00-0752	EA		2" Field Installed FKM Seal..... Note: To be used in conjunction with fittings.	19.47	
22 11 16 00-0753	EA		2-1/2" Field Installed FKM Seal..... Note: To be used in conjunction with fittings.	29.80	
22 11 16 00-0754	EA		3" Field Installed FKM Seal..... Note: To be used in conjunction with fittings.	34.12	
22 11 16 00-0755	EA		4" Field Installed FKM Seal..... Note: To be used in conjunction with fittings.	46.66	
<b>22 11 16 00-0756</b>			<b>Cut And Prepare Existing In-Place Copper Pipe (22 11 16 00-0368)</b>		
22 11 16 00-0757	EA		Up To 1/2", Cut And Prepare Existing In Place Copper Pipe.....	10.96	
22 11 16 00-0758	EA		3/4", Cut And Prepare Existing In Place Copper Pipe.....	11.84	
22 11 16 00-0759	EA		1", Cut And Prepare Existing In Place Copper Pipe.....	13.32	
22 11 16 00-0760	EA		1-1/4", Cut And Prepare Existing In Place Copper Pipe.....	13.98	
22 11 16 00-0761	EA		1-1/2", Cut And Prepare Existing In Place Copper Pipe.....	14.80	
22 11 16 00-0762	EA		2", Cut And Prepare Existing In Place Copper Pipe.....	16.28	
22 11 16 00-0763	EA		2-1/2", Cut And Prepare Existing In Place Copper Pipe.....	17.54	
22 11 16 00-0764	EA		3", Cut And Prepare Existing In Place Copper Pipe.....	20.72	
22 11 16 00-0765	EA		4", Cut And Prepare Existing In Place Copper Pipe.....	27.95	
22 11 16 00-0766	EA		6", Cut And Prepare Existing In Place Copper Pipe.....	39.95	
22 11 16 00-0767	EA		8", Cut And Prepare Existing In Place Copper Pipe.....	53.27	
<b>22 11 16 00-0768</b>			<b>Sweat Brass Companion Flanges (22 11 16 00-0368)</b>		
			Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0669 for Class 150 steel bolt and gasket set.		
22 11 16 00-0769	EA		1" Sweat Brass Companion Flange.....	65.52	16.86
22 11 16 00-0770	EA		1-1/4" Sweat Brass Companion Flange.....	71.50	18.57
22 11 16 00-0771	EA		1-1/2" Sweat Brass Companion Flange.....	103.19	20.19
22 11 16 00-0772	EA		2" Sweat Brass Companion Flange.....	138.81	22.41
22 11 16 00-0773	EA		2-1/2" Sweat Brass Companion Flange.....	175.71	26.96

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0774	EA		3" Sweat Brass Companion Flange .....	193.05	35.33
22 11 16 00-0775	EA		4" Sweat Brass Companion Flange .....	258.53	42.10
22 11 16 00-0776	EA		5" Sweat Brass Companion Flange .....	484.10	49.49
22 11 16 00-0777	EA		6" Sweat Brass Companion Flange .....	554.82	71.91
22 11 16 00-0778	EA		8" Copper Companion Flange.....	1,294.60	102.58
<b>22 11 16 00-0779</b>			<b>Brass Compression Fittings (22 11 16 00-0368)</b>		
<b>22 11 16 00-0780</b>			<b>Brass Compression Unions (22 11 16 00-0779)</b>		
22 11 16 00-0781	EA		1/4" Brass Compression Union .....	19.02	11.84
22 11 16 00-0782	EA		3/8" Brass Compression Union .....	19.36	11.84
22 11 16 00-0783	EA		1/2" Brass Compression Union .....	20.39	11.84
22 11 16 00-0784	EA		5/8" Brass Compression Union .....	20.88	11.84
22 11 16 00-0785	EA		3/4" Brass Compression Union .....	27.58	11.84
22 11 16 00-0786	EA		3/8" x 1/4" Brass Compression Union .....	19.59	11.84
22 11 16 00-0787	EA		1/2" x 3/8" Brass Compression Union .....	20.47	11.84
22 11 16 00-0788	EA		5/8" x 3/8" Brass Compression Union .....	21.09	11.84
22 11 16 00-0789	EA		5/8" x 1/2" Brass Compression Union .....	22.07	11.84
<b>22 11 16 00-0790</b>			<b>Brass Compression Union Elbows (22 11 16 00-0779)</b>		
22 11 16 00-0791	EA		1/4" Brass Compression Union Elbow .....	20.39	11.84
22 11 16 00-0792	EA		3/8" Brass Compression Union Elbow .....	20.95	11.84
22 11 16 00-0793	EA		1/2" Brass Compression Union Elbow .....	22.18	11.84
22 11 16 00-0794	EA		5/8" Brass Compression Union Elbow .....	24.09	11.84
22 11 16 00-0795	EA		3/4" Brass Compression Union Elbow .....	31.52	11.84
22 11 16 00-0796	EA		3/8" x 1/4" Brass Compression Union Elbow .....	20.95	11.84
22 11 16 00-0797	EA		1/2" x 3/8" Brass Compression Union Elbow .....	22.18	11.84
22 11 16 00-0798	EA		5/8" x 3/8" Brass Compression Union Elbow .....	22.52	11.84
22 11 16 00-0799	EA		5/8" x 1/2" Brass Compression Union Elbow .....	28.11	11.84
<b>22 11 16 00-0800</b>			<b>Brass Compression Union Tees (22 11 16 00-0779)</b>		
22 11 16 00-0801	EA		1/4" Brass Compression Union Tee .....	20.82	11.84
22 11 16 00-0802	EA		3/8" Brass Compression Union Tee .....	21.97	11.84
22 11 16 00-0803	EA		1/2" Brass Compression Union Tee .....	23.20	11.84
22 11 16 00-0804	EA		5/8" Brass Compression Union Tee .....	27.09	11.84
22 11 16 00-0805	EA		3/4" Brass Compression Union Tee .....	40.51	11.84
22 11 16 00-0806	EA		3/8" x 3/8" x 1/4" Brass Compression Union Tee .....	22.79	11.84
22 11 16 00-0807	EA		1/2" x 1/2" x 3/8" Brass Compression Union Tee .....	29.10	11.84
22 11 16 00-0808	EA		5/8" x 5/8" x 3/8" Brass Compression Union Tee .....	28.49	11.84
22 11 16 00-0809	EA		5/8" x 5/8" x 1/2" Brass Compression Union Tee .....	29.20	11.84
<b>22 11 16 00-0810</b>			<b>Brass Compression Male Connectors (22 11 16 00-0779)</b>		
22 11 16 00-0811	EA		1/4" Brass Compression Male Connector .....	18.77	11.84
22 11 16 00-0812	EA		3/8" Brass Compression Male Connector .....	19.22	11.84
22 11 16 00-0813	EA		1/2" Brass Compression Male Connector .....	20.00	11.84
22 11 16 00-0814	EA		5/8" Brass Compression Male Connector .....	21.16	11.84
22 11 16 00-0815	EA		3/4" Brass Compression Male Connector .....	24.62	11.73
<b>22 11 16 00-0816</b>			<b>Brass Compression Female Connectors (22 11 16 00-0779)</b>		
22 11 16 00-0817	EA		1/4" Brass Compression Female Connector .....	19.26	11.84
22 11 16 00-0818	EA		3/8" Brass Compression Female Connector .....	19.84	11.84
22 11 16 00-0819	EA		1/2" Brass Compression Female Connector .....	20.83	11.84
22 11 16 00-0820	EA		5/8" Brass Compression Female Connector .....	21.57	11.84
22 11 16 00-0821	EA		3/4" Brass Compression Female Connector .....	31.52	11.62
<b>22 11 16 00-0822</b>			<b>Dielectric Fittings (22 11 16 00-0368)</b>		
<b>22 11 16 00-0823</b>			<b>Copper x Female Iron Pipe Thread Dielectric Unions (22 11 16 00-0822)</b>		
22 11 16 00-0824	EA		1/2" Copper x Female Iron Pipe Thread Dielectric Union.....	46.77	26.31
22 11 16 00-0825	EA		3/4" Copper x Female Iron Pipe Thread Dielectric Union.....	52.24	30.04
22 11 16 00-0826	EA		1" Copper x Female Iron Pipe Thread Dielectric Union .....	62.17	33.02
22 11 16 00-0827	EA		1-1/4" Copper x Female Iron Pipe Thread Dielectric Union .....	75.32	36.34
22 11 16 00-0828	EA		1-1/2" Copper x Female Iron Pipe Thread Dielectric Union .....	91.07	40.38
22 11 16 00-0829	EA		2" Copper x Female Iron Pipe Thread Dielectric Union .....	115.68	48.45
<b>22 11 16 00-0830</b>			<b>Female Brass Thread x Iron Pipe Thread Dielectric Unions (22 11 16 00-0822)</b>		
22 11 16 00-0831	EA		1/2" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	51.38	26.31
22 11 16 00-0832	EA		3/4" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	59.83	30.04
22 11 16 00-0833	EA		1" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	72.18	33.02
22 11 16 00-0834	EA		1-1/4" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	88.60	36.34
22 11 16 00-0835	EA		1-1/2" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	107.50	40.38
22 11 16 00-0836	EA		2" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	134.95	48.45
<b>22 11 16 00-0837</b>			<b>Female Iron Pipe Thread x Iron Pipe Thread Dielectric Unions (22 11 16 00-0822)</b>		
22 11 16 00-0838	EA		1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	48.46	26.31
22 11 16 00-0839	EA		3/4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	55.01	30.04

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0840	EA		1" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union .....	62.90	33.02
22 11 16 00-0841	EA		1-1/4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union .....	72.75	36.34
22 11 16 00-0842	EA		1-1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union .....	88.53	40.38
22 11 16 00-0843	EA		2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union .....	113.64	48.45
<b>22 11 16 00-0844</b>			<b>Copper x Female Iron Pipe Thread Dielectric Flanges</b> (22 11 16 00-0822)		
22 11 16 00-0845	EA		2-1/2" Copper x Female Iron Pipe Thread Dielectric Flange.....	281.62	124.57
22 11 16 00-0846	EA		3" Copper x Female Iron Pipe Thread Dielectric Flange.....	352.57	156.88
22 11 16 00-0847	EA		4" Copper x Female Iron Pipe Thread Dielectric Flange.....	497.08	213.52
<b>22 11 16 00-0848</b>			<b>Copper x Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flanges</b> (22 11 16 00-0822)		
22 11 16 00-0849	EA		2-1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange.....	283.53	124.57
22 11 16 00-0850	EA		3" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange .....	367.68	156.88
22 11 16 00-0851	EA		4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange.....	671.44	213.52
<b>22 11 16 00-0852</b>			<b>Brass Push-Fit Fittings</b> (22 11 16)		
22 11 16 00-0853	EA		1/4" x 1/4" Brass Push-Fit Coupling..... Note: (Sharkbite)	23.03	10.96
22 11 16 00-0854	EA		3/8" x 3/8" Brass Push-Fit Coupling..... Note: (Sharkbite)	28.38	11.69
22 11 16 00-0855	EA		1/2" x 1/2" Brass Push-Fit Coupling..... Note: (Sharkbite)	29.53	13.16
22 11 16 00-0856	EA		5/8" x 5/8" Brass Push-Fit Coupling..... Note: (Sharkbite)	33.87	14.03
22 11 16 00-0857	EA		3/4" x 3/4" Brass Push-Fit Coupling..... Note: (Sharkbite)	34.59	14.99
22 11 16 00-0858	EA		1" x 1" Brass Push-Fit Coupling..... Note: (Sharkbite)	48.27	17.90
22 11 16 00-0859	EA		1/2" x 3/8" Brass Push-Fit Reducing Coupling..... Note: (Sharkbite)	28.95	12.42
22 11 16 00-0860	EA		3/4" x 5/8" Brass Push-Fit Reducing Coupling..... Note: (Sharkbite)	33.43	13.60
22 11 16 00-0861	EA		1" x 3/4" Brass Push-Fit Reducing Coupling..... Note: (Sharkbite)	49.38	16.44
22 11 16 00-0862	EA		1/4" x 1/4" Brass Push-Fit Elbow .....	23.98	10.96
22 11 16 00-0863	EA		3/8" x 3/8" Brass Push-Fit Elbow .....	32.44	11.69
22 11 16 00-0864	EA		1/2" x 1/2" Brass Push-Fit Elbow .....	30.05	13.16
22 11 16 00-0865	EA		5/8" x 5/8" Brass Push-Fit Elbow .....	36.23	14.03
22 11 16 00-0866	EA		3/4" x 3/4" Brass Push-Fit Elbow .....	33.92	14.99
22 11 16 00-0867	EA		1" x 1" Brass Push-Fit Elbow .....	48.79	17.90
22 11 16 00-0868	EA		1/2" x 3/8" Brass Push-Fit Reducing Elbow .....	28.52	12.42
22 11 16 00-0869	EA		3/4" x 1/2" Brass Push-Fit Reducing Elbow .....	31.75	13.60
22 11 16 00-0870	EA		1" x 3/4" Brass Push-Fit Reducing Elbow .....	61.00	16.44
22 11 16 00-0871	EA		1/4" x 1/4" x 1/4" Brass Push-Fit Tee.....	36.38	16.44
22 11 16 00-0872	EA		3/8" x 3/8" x 3/8" Brass Push-Fit Tee.....	45.70	17.54
22 11 16 00-0873	EA		1/2" x 1/2" x 1/2" Brass Push-Fit Tee.....	42.25	19.73
22 11 16 00-0874	EA		5/8" x 5/8" x 5/8" Brass Push-Fit Tee.....	53.34	21.05
22 11 16 00-0875	EA		3/4" x 3/4" x 3/4" Brass Push-Fit Tee.....	49.23	22.47
22 11 16 00-0876	EA		1" x 1" x 1" Brass Push-Fit Tee.....	66.88	26.85
22 11 16 00-0877	EA		1/2" x 1/2" x 1/4" Brass Push-Fit Reducing Tee.....	47.03	18.63
22 11 16 00-0878	EA		1/2" x 1/2" x 3/8" Brass Push-Fit Reducing Tee.....	47.33	19.00
22 11 16 00-0879	EA		3/4" x 3/4" x 1/2" Brass Push-Fit Reducing Tee.....	47.52	21.57
22 11 16 00-0880	EA		1" x 1" x 3/4" Brass Push-Fit Reducing Tee.....	64.81	25.40
22 11 16 00-0881	EA		1/4" x 1/2" Brass Push-Fit Pipe To FNPT Connector.....	27.32	12.06
22 11 16 00-0882	EA		3/8" x 1/2" Brass Push-Fit Pipe To FNPT Connector.....	27.04	12.42
22 11 16 00-0883	EA		1/2" x 1/2" Brass Push-Fit Pipe To FNPT Connector.....	26.82	13.16
22 11 16 00-0884	EA		3/4" x 3/4" Brass Push-Fit Pipe To FNPT Connector.....	30.71	14.99
22 11 16 00-0885	EA		1" x 1" Brass Push-Fit Pipe To FNPT Connector.....	42.81	17.90
22 11 16 00-0886	EA		1/4" x 1/2" Brass Push-Fit Pipe To MNPT Connector.....	24.06	12.06

**22 Plumbing****22 10 Plumbing Piping****22 11 Facility Water Distribution**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

22 11 16 00-0887	EA	3/8" x 1/2" Brass Push-Fit Pipe To MNPT Connector ..... Note: (Sharkbite)	27.04	12.42
22 11 16 00-0888	EA	1/2" x 1/2" Brass Push-Fit Pipe To MNPT Connector ..... Note: (Sharkbite)	26.89	13.16
22 11 16 00-0889	EA	3/4" x 3/4" Brass Push-Fit Pipe To MNPT Connector ..... Note: (Sharkbite)	30.41	14.99
22 11 16 00-0890	EA	5/8" x 3/4" Brass Push-Fit Pipe To MNPT Connector ..... Note: (Sharkbite)	32.86	14.50
22 11 16 00-0891	EA	1" x 3/4" Brass Push-Fit Pipe To MNPT Connector ..... Note: (Sharkbite)	39.32	16.44
22 11 16 00-0892	EA	1" x 1" Brass Push-Fit Pipe To MNPT Connector ..... Note: (Sharkbite)	43.41	17.90
22 11 16 00-0893	EA	1/2" Brass Push-Fit Ball Valve ..... Note: (Sharkbite)	38.10	13.16
22 11 16 00-0894	EA	3/4" Brass Push-Fit Ball Valve ..... Note: (Sharkbite)	44.50	14.99
22 11 16 00-0895	EA	1" Brass Push-Fit Ball Valve ..... Note: (Sharkbite)	58.57	17.90
22 11 16 00-0896	EA	1/2" Brass Push-Fit Check Valve ..... Note: (Sharkbite)	40.71	13.16
22 11 16 00-0897	EA	3/4" Brass Push-Fit Check Valve ..... Note: (Sharkbite)	48.92	14.99
22 11 16 00-0898	EA	1" Brass Push-Fit Check Valve ..... Note: (Sharkbite)	81.57	17.90

**22 11 16 00-0899 Copper Pipe Assemblies** (22 11 16)

Note: Includes hangers and all coupling, elbow, tee and reducer fittings. All fittings are based on 95/5 solder. All hangers are complete assemblies installed in accordance with MSS SP 58 and 69. Excludes insulation. Not for use where detail is available.

22 11 16 00-0900	LF	1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly ..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	21.51	3.07
		<i>For Type K Tubing Instead Of Type L, Add</i>	1.45	
		<i>For Type M Tubing Instead Of Type L, Deduct</i>	-1.21	
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	2.79	
		<i>For For Brazed Fittings, Add</i>	0.69	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-1.93	
		<i>For Work In Restricted Working Space, Add</i>	5.14	
22 11 16 00-0901	LF	3/4" Inside Diameter Copper Pipe/Tubing Type L Assembly ..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	24.95	3.95
		<i>For Type K Tubing Instead Of Type L, Add</i>	1.74	
		<i>For Type M Tubing Instead Of Type L, Deduct</i>	-1.44	
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.19	
		<i>For For Brazed Fittings, Add</i>	0.78	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.22	
		<i>For Work In Restricted Working Space, Add</i>	5.83	
22 11 16 00-0902	LF	1" Inside Diameter Copper Pipe/Tubing Type L Assembly ..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	27.65	4.71
		<i>For Type K Tubing Instead Of Type L, Add</i>	2.08	
		<i>For Type M Tubing Instead Of Type L, Deduct</i>	-1.69	
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.42	
		<i>For For Brazed Fittings, Add</i>	0.81	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.40	
		<i>For Work In Restricted Working Space, Add</i>	6.11	
22 11 16 00-0903	LF	1-1/4" Inside Diameter Copper Pipe/Tubing Type L Assembly ..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	31.23	5.48
		<i>For Type K Tubing Instead Of Type L, Add</i>	2.60	
		<i>For Type M Tubing Instead Of Type L, Deduct</i>	-2.05	
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.68	
		<i>For For Brazed Fittings, Add</i>	0.85	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.62	
		<i>For Work In Restricted Working Space, Add</i>	6.35	
		<i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i>	-1.01	
22 11 16 00-0904	LF	1-1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly ..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	34.90	6.25
		<i>For Type K Tubing Instead Of Type L, Add</i>	3.05	
		<i>For Type M Tubing Instead Of Type L, Deduct</i>	-2.38	
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.00	
		<i>For For Brazed Fittings, Add</i>	0.90	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.87	
		<i>For Work In Restricted Working Space, Add</i>	6.77	
		<i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i>	-1.23	
22 11 16 00-0905	LF	2" Inside Diameter Copper Pipe/Tubing Type L Assembly ..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	44.28	7.79
		<i>For Type K Tubing Instead Of Type L, Add</i>	4.23	
		<i>For Type M Tubing Instead Of Type L, Deduct</i>	-3.24	
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.81	
		<i>For For Brazed Fittings, Add</i>	1.04	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.51	
		<i>For Work In Restricted Working Space, Add</i>	7.79	
		<i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i>	-1.83	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0906	LF		2-1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly.....	55.04	9.39
			Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
			For Type K Tubing Instead Of Type L, Add	5.85	
			For Type M Tubing Instead Of Type L, Deduct	-4.38	
			For Silver Solder Instead Of 95/5 Solder, Add	5.54	
			For For Brazed Fittings, Add	1.11	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.15	
			For Work In Restricted Working Space, Add	8.36	
			For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-2.72	
22 11 16 00-0907	LF		3" Inside Diameter Copper Pipe/Tubing Type L Assembly.....	67.41	10.90
			Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
			For Type K Tubing Instead Of Type L, Add	7.70	
			For Type M Tubing Instead Of Type L, Deduct	-5.68	
			For Silver Solder Instead Of 95/5 Solder, Add	6.39	
			For For Brazed Fittings, Add	1.21	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.88	
			For Work In Restricted Working Space, Add	9.05	
			For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-3.72	
22 11 16 00-0908	LF		4" Inside Diameter Copper Pipe/Tubing Type L Assembly.....	106.13	14.43
			Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
			For Type K Tubing Instead Of Type L, Add	13.27	
			For Type M Tubing Instead Of Type L, Deduct	-9.61	
			For Silver Solder Instead Of 95/5 Solder, Add	9.21	
			For For Brazed Fittings, Add	1.56	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.26	
			For Work In Restricted Working Space, Add	11.70	
			For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-6.71	
22 11 16 00-0909	LF		5" Inside Diameter Copper Pipe/Tubing Type L Assembly.....	193.80	17.97
			Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
			For Type K Tubing Instead Of Type L, Add	27.07	
			For Type M Tubing Instead Of Type L, Deduct	-19.25	
			For Silver Solder Instead Of 95/5 Solder, Add	14.70	
			For For Brazed Fittings, Add	2.00	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-12.19	
			For Work In Restricted Working Space, Add	15.02	
			For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-14.37	
22 11 16 00-0910	LF		6" Inside Diameter Copper Pipe/Tubing Type L Assembly.....	253.62	21.71
			Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
			For Type K Tubing Instead Of Type L, Add	35.68	
			For Type M Tubing Instead Of Type L, Deduct	-25.35	
			For Silver Solder Instead Of 95/5 Solder, Add	19.04	
			For For Brazed Fittings, Add	2.54	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-15.86	
			For Work In Restricted Working Space, Add	19.08	
			For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-19.00	
22 11 16 00-0911	LF		8" Inside Diameter Copper Pipe/Tubing Type L Assembly.....	571.23	25.94
			Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
			For Type K Tubing Instead Of Type L, Add	89.00	
			For Type M Tubing Instead Of Type L, Deduct	-62.22	
			For Silver Solder Instead Of 95/5 Solder, Add	36.47	
			For For Brazed Fittings, Add	3.16	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-32.51	
			For Work In Restricted Working Space, Add	23.71	
			For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-49.22	
22 11 16 00-0912			Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings (22 11 16)		
			Note: Socket weld.		
22 11 16 00-0913			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings (22 11 16 00-0912)		
22 11 16 00-0914			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pipe (22 11 16 00-0913)		
22 11 16 00-0915	LF		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe.....	8.54	1.61
			For Work In Restricted Working Space, Add	1.21	
22 11 16 00-0916	LF		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe.....	10.39	1.69
			For Work In Restricted Working Space, Add	1.27	
22 11 16 00-0917	LF		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe.....	13.59	1.82
			For Work In Restricted Working Space, Add	1.37	
22 11 16 00-0918	LF		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe.....	17.45	1.99
			For Work In Restricted Working Space, Add	1.50	
22 11 16 00-0919	LF		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe.....	20.59	2.20
			For Work In Restricted Working Space, Add	1.65	
22 11 16 00-0920	LF		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe.....	27.05	2.46
			For Work In Restricted Working Space, Add	1.85	
22 11 16 00-0921	LF		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe.....	38.96	2.79
			For Work In Restricted Working Space, Add	2.10	
22 11 16 00-0922	LF		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe.....	50.97	3.32
			For Work In Restricted Working Space, Add	2.48	
22 11 16 00-0923	LF		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe.....	72.81	4.07
			For Work In Restricted Working Space, Add	3.05	
22 11 16 00-0924	LF		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe.....	134.08	5.17
			For Work In Restricted Working Space, Add	3.88	
22 11 16 00-0925	LF		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe.....	195.65	6.78
			For Work In Restricted Working Space, Add	5.09	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>22 11 16 00-0926</b>	<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows</b> <small>(22 11 16 00-0913)</small>				
22 11 16 00-0927	EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow		26.20	7.67	
	<i>For Work In Restricted Working Space, Add</i>		5.75		
22 11 16 00-0928	EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow		35.15	9.69	
	<i>For Work In Restricted Working Space, Add</i>		7.27		
22 11 16 00-0929	EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow		47.65	12.11	
	<i>For Work In Restricted Working Space, Add</i>		9.11		
22 11 16 00-0930	EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow		71.22	15.15	
	<i>For Work In Restricted Working Space, Add</i>		11.39		
22 11 16 00-0931	EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow		79.54	16.76	
	<i>For Work In Restricted Working Space, Add</i>		12.60		
22 11 16 00-0932	EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow		97.46	16.76	
	<i>For Work In Restricted Working Space, Add</i>		14.05		
22 11 16 00-0933	EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow		185.16	21.30	
	<i>For Work In Restricted Working Space, Add</i>		15.99		
22 11 16 00-0934	EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow		206.28	25.24	
	<i>For Work In Restricted Working Space, Add</i>		18.90		
22 11 16 00-0935	EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow		316.48	30.99	
	<i>For Work In Restricted Working Space, Add</i>		23.26		
22 11 16 00-0936	EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow		398.05	39.37	
	<i>For Work In Restricted Working Space, Add</i>		29.56		
22 11 16 00-0937	EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow		862.25	51.69	
	<i>For Work In Restricted Working Space, Add</i>		38.77		
<b>22 11 16 00-0938</b>	<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows</b> <small>(22 11 16 00-0913)</small>				
22 11 16 00-0939	EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow		29.71	7.67	
	<i>For Work In Restricted Working Space, Add</i>		5.75		
22 11 16 00-0940	EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow		39.35	9.69	
	<i>For Work In Restricted Working Space, Add</i>		7.27		
22 11 16 00-0941	EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow		54.47	12.11	
	<i>For Work In Restricted Working Space, Add</i>		9.11		
22 11 16 00-0942	EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow		80.20	15.15	
	<i>For Work In Restricted Working Space, Add</i>		11.39		
22 11 16 00-0943	EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow		90.47	16.76	
	<i>For Work In Restricted Working Space, Add</i>		12.60		
22 11 16 00-0944	EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow		101.17	18.78	
	<i>For Work In Restricted Working Space, Add</i>		14.05		
22 11 16 00-0945	EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow		187.50	21.30	
	<i>For Work In Restricted Working Space, Add</i>		15.99		
22 11 16 00-0946	EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow		205.98	25.24	
	<i>For Work In Restricted Working Space, Add</i>		18.90		
22 11 16 00-0947	EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow		273.67	30.99	
	<i>For Work In Restricted Working Space, Add</i>		23.26		
22 11 16 00-0948	EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow		478.31	39.37	
	<i>For Work In Restricted Working Space, Add</i>		29.56		
22 11 16 00-0949	EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow		919.12	51.69	
	<i>For Work In Restricted Working Space, Add</i>		38.77		
<b>22 11 16 00-0950</b>	<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tees</b> <small>(22 11 16 00-0913)</small>				
22 11 16 00-0951	EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee		41.55	11.51	
	<i>For Work In Restricted Working Space, Add</i>		8.63		
22 11 16 00-0952	EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee		56.73	14.54	
	<i>For Work In Restricted Working Space, Add</i>		10.90		
22 11 16 00-0953	EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee		70.70	18.27	
	<i>For Work In Restricted Working Space, Add</i>		13.69		
22 11 16 00-0954	EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee		109.80	22.82	
	<i>For Work In Restricted Working Space, Add</i>		17.08		
22 11 16 00-0955	EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee		123.57	25.24	
	<i>For Work In Restricted Working Space, Add</i>		18.90		
22 11 16 00-0956	EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee		160.61	28.07	
	<i>For Work In Restricted Working Space, Add</i>		21.08		
22 11 16 00-0957	EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee		228.38	32.01	
	<i>For Work In Restricted Working Space, Add</i>		23.99		
22 11 16 00-0958	EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee		255.97	37.76	
	<i>For Work In Restricted Working Space, Add</i>		28.35		
22 11 16 00-0959	EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee		307.07	46.54	
	<i>For Work In Restricted Working Space, Add</i>		34.89		
22 11 16 00-0960	EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee		520.55	59.16	
	<i>For Work In Restricted Working Space, Add</i>		44.34		
22 11 16 00-0961	EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee		1,261.00	77.53	
	<i>For Work In Restricted Working Space, Add</i>		58.15		
<b>22 11 16 00-0962</b>	<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Crosses</b> <small>(22 11 16 00-0913)</small>				
22 11 16 00-0963	EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross		49.37	15.35	
	<i>For Work In Restricted Working Space, Add</i>		11.51		
22 11 16 00-0964	EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross		66.01	19.38	
	<i>For Work In Restricted Working Space, Add</i>		14.54		
22 11 16 00-0965	EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross		82.37	24.33	
	<i>For Work In Restricted Working Space, Add</i>		18.23		
22 11 16 00-0966	EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross		121.45	30.38	
	<i>For Work In Restricted Working Space, Add</i>		22.78		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0967	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	136.16 25.20	33.62
22 11 16 00-0968	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	171.50 28.10	37.45
22 11 16 00-0969	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	234.43 31.98	42.60
22 11 16 00-0970	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	265.08 37.80	50.38
22 11 16 00-0971	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	319.38 46.52	61.99
22 11 16 00-0972	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	518.12 59.12	78.85
22 11 16 00-0973	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	1,177.62 77.54	103.38
<b>22 11 16 00-0974 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld Reducing Inserts</b> <small>(22 11 16 00-0913)</small>					
22 11 16 00-0975	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	21.97 5.33	7.06
22 11 16 00-0976	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	32.11 7.18	9.59
22 11 16 00-0977	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	68.74 9.39	12.52
22 11 16 00-0978	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	78.82 10.39	13.83
22 11 16 00-0979	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	96.70 11.60	15.45
22 11 16 00-0980	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	102.05 13.21	17.57
22 11 16 00-0981	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	126.31 15.60	20.80
22 11 16 00-0982	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	183.09 19.20	25.54
22 11 16 00-0983	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	334.95 24.38	32.51
22 11 16 00-0984	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	869.86 31.98	42.60
<b>22 11 16 00-0985 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Thread Reducing Inserts</b> <small>(22 11 16 00-0913)</small>					
22 11 16 00-0986	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	40.12 3.79	5.05
22 11 16 00-0987	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	47.42 5.33	7.06
22 11 16 00-0988	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	55.71 7.18	9.59
22 11 16 00-0989	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	66.70 9.39	12.52
22 11 16 00-0990	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	81.83 10.39	13.83
22 11 16 00-0991	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	111.73 11.60	15.45
22 11 16 00-0992	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	200.17 13.21	17.57
22 11 16 00-0993	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	459.86 15.60	20.80
22 11 16 00-0994	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	706.82 19.20	25.54
<b>22 11 16 00-0995 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters</b> <small>(22 11 16 00-0913)</small>					
22 11 16 00-0996	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters <i>For Work In Restricted Working Space, Add</i>	23.15 3.79	5.05
22 11 16 00-0997	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters <i>For Work In Restricted Working Space, Add</i>	32.01 5.33	7.06
22 11 16 00-0998	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters <i>For Work In Restricted Working Space, Add</i>	47.91 7.18	9.59
22 11 16 00-0999	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters <i>For Work In Restricted Working Space, Add</i>	66.70 9.39	12.52
22 11 16 00-1000	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters <i>For Work In Restricted Working Space, Add</i>	82.52 10.39	13.83
22 11 16 00-1001	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters <i>For Work In Restricted Working Space, Add</i>	103.43 11.60	15.45
22 11 16 00-1002	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters <i>For Work In Restricted Working Space, Add</i>	166.62 13.21	17.57
22 11 16 00-1003	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters <i>For Work In Restricted Working Space, Add</i>	200.23 15.60	20.80
22 11 16 00-1004	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters <i>For Work In Restricted Working Space, Add</i>	314.65 19.20	25.54

MINOR	CSI	UOM	DESCRIPTION
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TOTAL DIRECT	DEMOLITION
UNIT COST	UNIT COST

22 11 16 00-1005	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <small>(22 11 16 00-0913)</small>		
22 11 16 00-1006	EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	27.16	5.05
	<i>For Work In Restricted Working Space, Add</i>	3.79	
22 11 16 00-1007	EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	33.28	7.06
	<i>For Work In Restricted Working Space, Add</i>	5.33	
22 11 16 00-1008	EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	48.25	9.59
	<i>For Work In Restricted Working Space, Add</i>	7.18	
22 11 16 00-1009	EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters .....	67.87	12.52
	<i>For Work In Restricted Working Space, Add</i>	9.39	
22 11 16 00-1010	EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters .....	77.15	13.83
	<i>For Work In Restricted Working Space, Add</i>	10.39	
22 11 16 00-1011	EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	99.05	15.45
	<i>For Work In Restricted Working Space, Add</i>	11.60	
22 11 16 00-1012	EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters .....	169.16	17.57
	<i>For Work In Restricted Working Space, Add</i>	13.21	
22 11 16 00-1013	EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	244.51	20.80
	<i>For Work In Restricted Working Space, Add</i>	15.60	
22 11 16 00-1014	EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	389.94	25.54
	<i>For Work In Restricted Working Space, Add</i>	19.20	
<b>22 11 16 00-1015</b>	<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings <small>(22 11 16 00-0913)</small></b>		
22 11 16 00-1016	EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	20.48	4.65
	<i>For Work In Restricted Working Space, Add</i>	3.45	
22 11 16 00-1017	EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	28.83	6.46
	<i>For Work In Restricted Working Space, Add</i>	4.85	
22 11 16 00-1018	EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	38.78	8.69
	<i>For Work In Restricted Working Space, Add</i>	6.51	
22 11 16 00-1019	EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	53.93	11.41
	<i>For Work In Restricted Working Space, Add</i>	8.54	
22 11 16 00-1020	EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	63.58	12.62
	<i>For Work In Restricted Working Space, Add</i>	9.45	
22 11 16 00-1021	EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	72.39	14.03
	<i>For Work In Restricted Working Space, Add</i>	10.54	
22 11 16 00-1022	EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	129.32	15.95
	<i>For Work In Restricted Working Space, Add</i>	11.99	
22 11 16 00-1023	EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	137.47	18.88
	<i>For Work In Restricted Working Space, Add</i>	14.18	
22 11 16 00-1024	EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	176.36	23.22
	<i>For Work In Restricted Working Space, Add</i>	17.45	
22 11 16 00-1025	EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	307.10	29.58
	<i>For Work In Restricted Working Space, Add</i>	22.17	
22 11 16 00-1026	EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	569.45	38.77
	<i>For Work In Restricted Working Space, Add</i>	29.08	
<b>22 11 16 00-1027</b>	<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <small>(22 11 16 00-0913)</small></b>		
22 11 16 00-1028	EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	52.06	5.55
	<i>For Work In Restricted Working Space, Add</i>	4.15	
22 11 16 00-1029	EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	59.47	7.77
	<i>For Work In Restricted Working Space, Add</i>	5.81	
22 11 16 00-1030	EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	67.39	10.40
	<i>For Work In Restricted Working Space, Add</i>	7.81	
22 11 16 00-1031	EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions .....	131.36	13.63
	<i>For Work In Restricted Working Space, Add</i>	10.24	
22 11 16 00-1032	EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions .....	136.76	15.15
	<i>For Work In Restricted Working Space, Add</i>	11.33	
22 11 16 00-1033	EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	206.44	16.86
	<i>For Work In Restricted Working Space, Add</i>	12.66	
22 11 16 00-1034	EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions .....	388.52	19.18
	<i>For Work In Restricted Working Space, Add</i>	14.39	
22 11 16 00-1035	EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	571.41	22.72
	<i>For Work In Restricted Working Space, Add</i>	17.02	
22 11 16 00-1036	EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	944.70	27.87
	<i>For Work In Restricted Working Space, Add</i>	20.93	
22 11 16 00-1037	EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	1,270.30	35.43
	<i>For Work In Restricted Working Space, Add</i>	26.59	
22 11 16 00-1038	EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	1,559.73	46.54
	<i>For Work In Restricted Working Space, Add</i>	34.89	
<b>22 11 16 00-1039</b>	<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Caps <small>(22 11 16 00-0913)</small></b>		
22 11 16 00-1040	EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap .....	21.35	4.75
	<i>For Work In Restricted Working Space, Add</i>	2.16	
22 11 16 00-1041	EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap .....	29.18	5.96
	<i>For Work In Restricted Working Space, Add</i>	2.73	
22 11 16 00-1042	EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap .....	46.90	7.47
	<i>For Work In Restricted Working Space, Add</i>	3.42	
22 11 16 00-1043	EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap .....	53.15	5.65
	<i>For Work In Restricted Working Space, Add</i>	4.27	
22 11 16 00-1044	EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap .....	55.45	6.26
	<i>For Work In Restricted Working Space, Add</i>	4.73	
22 11 16 00-1045	EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap .....	81.48	7.06
	<i>For Work In Restricted Working Space, Add</i>	5.27	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1046	EA			2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	135.06 5.99	7.97
22 11 16 00-1047	EA			3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	141.34 7.09	9.49
22 11 16 00-1048	EA			4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	227.64 8.72	11.61
22 11 16 00-1049	EA			6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	531.03 11.09	14.74
22 11 16 00-1050	EA			8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	682.88 14.54	19.38
<b>22 11 16 00-1051</b>				<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges</b> <small>(22 11 16 00-0913)</small>		
22 11 16 00-1052	EA			1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	43.33 2.76	3.64
22 11 16 00-1053	EA			3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	49.50 3.88	5.15
22 11 16 00-1054	EA			1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	58.13 5.21	6.96
22 11 16 00-1055	EA			1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	64.76 6.85	9.09
22 11 16 00-1056	EA			1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	68.15 7.57	10.10
22 11 16 00-1057	EA			2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	85.13 8.42	11.21
22 11 16 00-1058	EA			2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	121.07 9.60	12.82
22 11 16 00-1059	EA			3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	134.90 11.33	15.15
22 11 16 00-1060	EA			4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	169.62 13.96	18.57
22 11 16 00-1061	EA			6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	252.66 17.75	23.62
22 11 16 00-1062	EA			8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	514.07 23.26	30.99
<b>22 11 16 00-1063</b>				<b>Red Brass Pipe And Fittings</b> <small>(22 11 16)</small> Note: ASTM B43 And B251 (Pipe), ASME B16.15.		
<b>22 11 16 00-1064</b>				<b>Schedule 40 Red Brass Pipe</b> <small>(22 11 16 00-1063)</small>		
22 11 16 00-1065	LF			1/2" Schedule 40 Red Brass Pipe	25.83	2.12
22 11 16 00-1066	LF			3/4" Schedule 40 Red Brass Pipe	34.10	2.12
22 11 16 00-1067	LF			1" Schedule 40 Red Brass Pipe	46.42	2.12
22 11 16 00-1068	LF			1-1/4" Schedule 40 Red Brass Pipe	67.95	2.32
22 11 16 00-1069	LF			1-1/2" Schedule 40 Red Brass Pipe	78.22	2.52
22 11 16 00-1070	LF			2" Schedule 40 Red Brass Pipe	100.20	3.03
22 11 16 00-1071	LF			2-1/2" Schedule 40 Red Brass Pipe	145.58	3.44
22 11 16 00-1072	LF			3" Schedule 40 Red Brass Pipe	205.49	3.64
22 11 16 00-1073	LF			4" Schedule 40 Red Brass Pipe	294.37	3.64
<b>22 11 16 00-1074</b>				<b>125 LB Cast Bronze, Screwed, 90 Degree Elbows</b> <small>(22 11 16 00-1063)</small>		
22 11 16 00-1075	EA			1/2" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	59.25	25.13
22 11 16 00-1076	EA			3/4" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	67.29	27.66
22 11 16 00-1077	EA			1" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	84.86	32.71
22 11 16 00-1078	EA			1-1/4" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	101.93	35.13
22 11 16 00-1079	EA			1-1/2" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	114.45	37.65
22 11 16 00-1080	EA			2" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	143.49	40.18
22 11 16 00-1081	EA			2-1/2" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	246.27	50.28
22 11 16 00-1082	EA			3" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	343.20	60.27
22 11 16 00-1083	EA			4" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	611.49	80.36
<b>22 11 16 00-1084</b>				<b>125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbows</b> <small>(22 11 16 00-1063)</small>		
22 11 16 00-1085	EA			1/2" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	62.26	25.13
22 11 16 00-1086	EA			3/4" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	71.66	27.66
22 11 16 00-1087	EA			1" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	94.01	32.71
22 11 16 00-1088	EA			1-1/4" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	113.92	35.13
22 11 16 00-1089	EA			1-1/2" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	130.96	37.65
22 11 16 00-1090	EA			2" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	179.55	40.18
22 11 16 00-1091	EA			2-1/2" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	276.30	50.28
22 11 16 00-1092	EA			3" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	435.53	60.27
22 11 16 00-1093	EA			4" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	872.77	80.36
<b>22 11 16 00-1094</b>				<b>125 LB Cast Bronze, Screwed, 45 Degree Elbows</b> <small>(22 11 16 00-1063)</small>		
22 11 16 00-1095	EA			1/2" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	60.78	25.13
22 11 16 00-1096	EA			3/4" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	70.28	27.66
22 11 16 00-1097	EA			1" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	90.88	32.71
22 11 16 00-1098	EA			1-1/4" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	110.94	35.13
22 11 16 00-1099	EA			1-1/2" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	126.45	37.65
22 11 16 00-1100	EA			2" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	163.02	40.18
22 11 16 00-1101	EA			2-1/2" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	258.24	50.28
22 11 16 00-1102	EA			3" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	363.70	60.27
22 11 16 00-1103	EA			4" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	812.06	80.36

MINOR	CSI	UOM	DESCRIPTION
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TOTAL DIRECT	DEMOLITION
UNIT COST	UNIT COST

<b>22 11 16 00-1104</b>	<b>125 LB Cast Bronze, Screwed, Tees</b> (22 11 16 00-1063)		
22 11 16 00-1105	EA 1/2" 125 LB Cast Bronze, Screwed, Tee.....	85.90	37.65
22 11 16 00-1106	EA 3/4" 125 LB Cast Bronze, Screwed, Tee.....	97.41	41.19
22 11 16 00-1107	EA 1" 125 LB Cast Bronze, Screwed, Tee.....	124.54	48.76
22 11 16 00-1108	EA 1-1/4" 125 LB Cast Bronze, Screwed, Tee.....	152.11	52.80
22 11 16 00-1109	EA 1-1/2" 125 LB Cast Bronze, Screwed, Tee.....	165.14	56.23
22 11 16 00-1110	EA 2" 125 LB Cast Bronze, Screwed, Tee.....	207.72	60.27
22 11 16 00-1111	EA 2-1/2" 125 LB Cast Bronze, Screwed, Tee.....	349.06	75.41
22 11 16 00-1112	EA 3" 125 LB Cast Bronze, Screwed, Tee.....	484.06	90.46
22 11 16 00-1113	EA 4" 125 LB Cast Bronze, Screwed, Tee.....	992.36	120.54
<b>22 11 16 00-1114</b>	<b>125 LB Cast Bronze, Screwed, Reducing Tees</b> (22 11 16 00-1063)		
22 11 16 00-1115	EA 1/2" 125 LB Cast Bronze, Screwed, Reducing Tee.....	90.39	37.65
22 11 16 00-1116	EA 3/4" 125 LB Cast Bronze, Screwed, Reducing Tee.....	100.44	41.19
22 11 16 00-1117	EA 1" 125 LB Cast Bronze, Screwed, Reducing Tee.....	136.56	48.76
22 11 16 00-1118	EA 1-1/4" 125 LB Cast Bronze, Screwed, Reducing Tee.....	161.12	52.80
22 11 16 00-1119	EA 1-1/2" 125 LB Cast Bronze, Screwed, Reducing Tee.....	189.18	56.23
22 11 16 00-1120	EA 2" 125 LB Cast Bronze, Screwed, Reducing Tee.....	245.28	60.27
22 11 16 00-1121	EA 2-1/2" 125 LB Cast Bronze, Screwed, Reducing Tee.....	422.11	75.41
22 11 16 00-1122	EA 3" 125 LB Cast Bronze, Screwed, Reducing Tee.....	801.50	90.46
22 11 16 00-1123	EA 4" 125 LB Cast Bronze, Screwed, Reducing Tee.....	1,242.75	120.54
<b>22 11 16 00-1124</b>	<b>125 LB Cast Bronze, Screwed, Crosses</b> (22 11 16 00-1063)		
22 11 16 00-1125	EA 1/2" 125 LB Cast Bronze, Screwed, Cross.....	121.54	50.28
22 11 16 00-1126	EA 3/4" 125 LB Cast Bronze, Screwed, Cross.....	140.59	55.23
22 11 16 00-1127	EA 1" 125 LB Cast Bronze, Screwed, Cross.....	177.22	65.31
22 11 16 00-1128	EA 1-1/4" 125 LB Cast Bronze, Screwed, Cross.....	219.52	70.36
22 11 16 00-1129	EA 1-1/2" 125 LB Cast Bronze, Screwed, Cross.....	259.32	75.41
22 11 16 00-1130	EA 2" 125 LB Cast Bronze, Screwed, Cross.....	377.87	80.36
22 11 16 00-1131	EA 2-1/2" 125 LB Cast Bronze, Screwed, Cross.....	611.69	100.45
22 11 16 00-1132	EA 3" 125 LB Cast Bronze, Screwed, Cross.....	843.64	120.54
22 11 16 00-1133	EA 4" 125 LB Cast Bronze, Screwed, Cross.....	1,553.74	160.82
<b>22 11 16 00-1134</b>	<b>125 LB Cast Bronze, Screwed, Caps</b> (22 11 16 00-1063)		
22 11 16 00-1135	EA 1/2" 125 LB Cast Bronze, Screwed, Cap.....	28.61	14.95
22 11 16 00-1136	EA 3/4" 125 LB Cast Bronze, Screwed, Cap.....	32.40	16.46
22 11 16 00-1137	EA 1" 125 LB Cast Bronze, Screwed, Cap.....	43.03	19.38
22 11 16 00-1138	EA 1-1/4" 125 LB Cast Bronze, Screwed, Cap.....	55.68	20.90
22 11 16 00-1139	EA 1-1/2" 125 LB Cast Bronze, Screwed, Cap.....	65.50	22.41
22 11 16 00-1140	EA 2" 125 LB Cast Bronze, Screwed, Cap.....	90.27	23.92
22 11 16 00-1141	EA 2-1/2" 125 LB Cast Bronze, Screwed, Cap.....	144.36	29.88
22 11 16 00-1142	EA 3" 125 LB Cast Bronze, Screwed, Cap.....	207.54	35.84
22 11 16 00-1143	EA 4" 125 LB Cast Bronze, Screwed, Cap.....	364.65	47.75
<b>22 11 16 00-1144</b>	<b>125 LB Cast Bronze, Screwed, Couplings</b> (22 11 16 00-1063)		
22 11 16 00-1145	EA 1/2" 125 LB Cast Bronze, Screwed, Coupling.....	57.77	25.13
22 11 16 00-1146	EA 3/4" 125 LB Cast Bronze, Screwed, Coupling.....	65.81	27.66
22 11 16 00-1147	EA 1" 125 LB Cast Bronze, Screwed, Coupling.....	83.35	32.71
22 11 16 00-1148	EA 1-1/4" 125 LB Cast Bronze, Screwed, Coupling.....	100.40	35.13
22 11 16 00-1149	EA 1-1/2" 125 LB Cast Bronze, Screwed, Coupling.....	114.45	37.65
22 11 16 00-1150	EA 2" 125 LB Cast Bronze, Screwed, Coupling.....	145.00	40.18
22 11 16 00-1151	EA 2-1/2" 125 LB Cast Bronze, Screwed, Coupling.....	205.67	50.28
22 11 16 00-1152	EA 3" 125 LB Cast Bronze, Screwed, Coupling.....	266.36	60.27
22 11 16 00-1153	EA 4" 125 LB Cast Bronze, Screwed, Coupling.....	461.24	80.36
<b>22 11 16 00-1154</b>	<b>125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducers</b> (22 11 16 00-1063)		
22 11 16 00-1155	EA 1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer.....	51.21	20.09
22 11 16 00-1156	EA 3/4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer.....	58.53	22.61
22 11 16 00-1157	EA 1" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer.....	79.49	30.18
22 11 16 00-1158	EA 1-1/4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer.....	95.27	32.71
22 11 16 00-1159	EA 1-1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer.....	108.09	35.13
22 11 16 00-1160	EA 2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer.....	131.20	37.65
22 11 16 00-1161	EA 2-1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer.....	191.93	47.75
22 11 16 00-1162	EA 3" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer.....	233.08	55.23
22 11 16 00-1163	EA 4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer.....	407.78	72.89
<b>22 11 16 00-1164</b>	<b>125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducers</b> (22 11 16 00-1063)		
22 11 16 00-1165	EA 3/4" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer.....	52.45	20.09
22 11 16 00-1166	EA 1" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer.....	95.63	27.66
22 11 16 00-1167	EA 1-1/4" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer.....	126.08	30.18
22 11 16 00-1168	EA 1-1/2" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer.....	147.86	32.71
22 11 16 00-1169	EA 2" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer.....	197.84	37.65
22 11 16 00-1170	EA 2-1/2" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer.....	305.55	47.75
22 11 16 00-1171	EA 3" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer.....	369.92	50.28

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1172	EA		4" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer .....	419.13	65.31
<b>22 11 16 00-1173</b>			<b>125 LB Cast Bronze, FIP Threaded, Unions</b> (22 11 16 00-1063)		
22 11 16 00-1174	EA		1/2" 125 LB Cast Bronze, FIP Threaded, Union .....	64.23	20.09
			For 150 LB, Add .....	9.62	
22 11 16 00-1175	EA		3/4" 125 LB Cast Bronze, FIP Threaded, Union .....	77.26	22.11
			For 150 LB, Add .....	13.22	
22 11 16 00-1176	EA		1" 125 LB Cast Bronze, FIP Threaded, Union .....	95.83	26.15
			For 150 LB, Add .....	17.43	
22 11 16 00-1177	EA		1-1/4" 125 LB Cast Bronze, FIP Threaded, Union .....	119.36	28.17
			For 150 LB, Add .....	25.23	
22 11 16 00-1178	EA		1-1/2" 125 LB Cast Bronze, FIP Threaded, Union .....	135.45	30.18
			For 150 LB, Add .....	30.06	
22 11 16 00-1179	EA		2" 125 LB Cast Bronze, FIP Threaded, Union .....	160.13	34.12
			For 150 LB, Add .....	36.72	
22 11 16 00-1180	EA		2-1/2" 125 LB Cast Bronze, FIP Threaded, Union .....	277.44	50.48
			For 150 LB, Add .....	70.60	
			For 250 LB, Add .....	150.02	
			For 300 LB, Add .....	211.79	
22 11 16 00-1181	EA		3" 125 LB Cast Bronze, FIP Threaded, Union .....	405.45	66.37
			For 150 LB, Add .....	109.08	
			For 250 LB, Add .....	231.79	
			For 300 LB, Add .....	327.23	
22 11 16 00-1182	EA		4" 125 LB Cast Bronze, FIP Threaded, Union .....	748.59	73.50
			For 150 LB, Add .....	240.60	
			For 250 LB, Add .....	511.28	
			For 300 LB, Add .....	721.80	
<b>22 11 16 00-1183</b>			<b>125 LB Cast Bronze, Screwed, Companion Flanges</b> (22 11 16 00-1063)		
			Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0669 for Class 150 steel bolt and gasket set.		
22 11 16 00-1184	EA		1/2" 125 LB Cast Bronze, Screwed, Companion Flange .....	183.43	25.13
22 11 16 00-1185	EA		3/4" 125 LB Cast Bronze, Screwed, Companion Flange .....	199.63	30.18
22 11 16 00-1186	EA		1" 125 LB Cast Bronze, Screwed, Companion Flange .....	228.76	35.13
22 11 16 00-1187	EA		1-1/4" 125 LB Cast Bronze, Screwed, Companion Flange .....	261.11	37.65
22 11 16 00-1188	EA		1-1/2" 125 LB Cast Bronze, Screwed, Companion Flange .....	309.82	40.18
22 11 16 00-1189	EA		2" 125 LB Cast Bronze, Screwed, Companion Flange .....	391.38	42.70
22 11 16 00-1190	EA		2-1/2" 125 LB Cast Bronze, Screwed, Companion Flange .....	493.84	50.28
22 11 16 00-1191	EA		3" 125 LB Cast Bronze, Screwed, Companion Flange .....	611.84	62.80
22 11 16 00-1192	EA		4" 125 LB Cast Bronze, Screwed, Companion Flange .....	872.40	87.93
<b>22 11 16 00-1193</b>			<b>125 LB Cast Bronze, Screwed, Square Head Plugs</b> (22 11 16 00-1063)		
22 11 16 00-1194	EA		1/2" 125 LB Cast Bronze, Screwed, Square Head Plug .....	17.66	
22 11 16 00-1195	EA		3/4" 125 LB Cast Bronze, Screwed, Square Head Plug .....	18.27	
22 11 16 00-1196	EA		1" 125 LB Cast Bronze, Screwed, Square Head Plug .....	28.17	
22 11 16 00-1197	EA		1-1/4" 125 LB Cast Bronze, Screwed, Square Head Plug .....	32.68	
22 11 16 00-1198	EA		1-1/2" 125 LB Cast Bronze, Screwed, Square Head Plug .....	37.34	
22 11 16 00-1199	EA		2" 125 LB Cast Bronze, Screwed, Square Head Plug .....	56.26	
22 11 16 00-1200	EA		2-1/2" 125 LB Cast Bronze, Screwed, Square Head Plug .....	85.53	
22 11 16 00-1201	EA		3" 125 LB Cast Bronze, Screwed, Square Head Plug .....	125.70	
22 11 16 00-1202	EA		4" 125 LB Cast Bronze, Screwed, Square Head Plug .....	212.22	
<b>22 11 16 00-1203</b>			<b>125 LB Cast Bronze, Screwed, Counter Sunk Plugs</b> (22 11 16 00-1063)		
22 11 16 00-1204	EA		1/2" 125 LB Cast Bronze, Screwed, Counter Sunk Plug .....	7.53	
22 11 16 00-1205	EA		3/4" 125 LB Cast Bronze, Screwed, Counter Sunk Plug .....	9.01	
22 11 16 00-1206	EA		1" 125 LB Cast Bronze, Screwed, Counter Sunk Plug .....	13.55	
22 11 16 00-1207	EA		1-1/4" 125 LB Cast Bronze, Screwed, Counter Sunk Plug .....	21.05	
22 11 16 00-1208	EA		1-1/2" 125 LB Cast Bronze, Screwed, Counter Sunk Plug .....	33.33	
22 11 16 00-1209	EA		2" 125 LB Cast Bronze, Screwed, Counter Sunk Plug .....	51.66	
22 11 16 00-1210	EA		2-1/2" 125 LB Cast Bronze, Screwed, Counter Sunk Plug .....	100.55	
22 11 16 00-1211	EA		3" 125 LB Cast Bronze, Screwed, Counter Sunk Plug .....	162.84	
22 11 16 00-1212	EA		4" 125 LB Cast Bronze, Screwed, Counter Sunk Plug .....	397.15	
<b>22 11 16 00-1213</b>			<b>125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushings</b> (22 11 16 00-1063)		
22 11 16 00-1214	EA		1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing .....	6.00	
22 11 16 00-1215	EA		3/4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing .....	7.53	
22 11 16 00-1216	EA		1" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing .....	10.54	
22 11 16 00-1217	EA		1-1/4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing .....	18.04	
22 11 16 00-1218	EA		1-1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing .....	25.57	
22 11 16 00-1219	EA		2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing .....	31.59	
22 11 16 00-1220	EA		2-1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing .....	79.64	
22 11 16 00-1221	EA		3" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing .....	117.23	
22 11 16 00-1222	EA		4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing .....	256.77	
<b>22 11 16 00-1223</b>			<b>125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushings</b> (22 11 16 00-1063)		
22 11 16 00-1224	EA		1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing .....	10.54	
22 11 16 00-1225	EA		3/4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing .....	15.01	
22 11 16 00-1226	EA		1" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing .....	26.16	
22 11 16 00-1227	EA		1-1/4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing .....	35.53	
22 11 16 00-1228	EA		1-1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing .....	44.42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 11 16 00-1229	EA		2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing .....	55.96	
22 11 16 00-1230	EA		2-1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing .....	114.26	
22 11 16 00-1231	EA		3" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing .....	180.78	
22 11 16 00-1232	EA		4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing .....	379.90	

### 22 11 16 00-1233 1/2" Red Brass Pipe Nipples (22 11 16 00-1063)

Note: Threaded both ends.

22 11 16 00-1234	EA		1/2" x Close, Red Brass Pipe Nipple.....	9.51	
22 11 16 00-1235	EA		1/2" x 1-1/2" Long, Red Brass Pipe Nipple .....	11.14	
22 11 16 00-1236	EA		1/2" x 2" Long, Red Brass Pipe Nipple.....	13.65	
22 11 16 00-1237	EA		1/2" x 2-1/2" Long, Red Brass Pipe Nipple .....	16.21	
22 11 16 00-1238	EA		1/2" x 3" Long, Red Brass Pipe Nipple.....	18.78	
22 11 16 00-1239	EA		1/2" x 3-1/2" Long, Red Brass Pipe Nipple .....	22.16	
22 11 16 00-1240	EA		1/2" x 4" Long, Red Brass Pipe Nipple.....	24.85	
22 11 16 00-1241	EA		1/2" x 4-1/2" Long, Red Brass Pipe Nipple .....	27.29	
22 11 16 00-1242	EA		1/2" x 5" Long, Red Brass Pipe Nipple.....	29.86	
22 11 16 00-1243	EA		1/2" x 5-1/2" Long, Red Brass Pipe Nipple .....	32.68	
22 11 16 00-1244	EA		1/2" x 6" Long, Red Brass Pipe Nipple.....	35.18	

### 22 11 16 00-1245 3/4" Red Brass Pipe Nipples (22 11 16 00-1063)

Note: Threaded both ends.

22 11 16 00-1246	EA		3/4" x Close, Red Brass Pipe Nipple.....	13.90	
22 11 16 00-1247	EA		3/4" x 1-1/2" Long, Red Brass Pipe Nipple .....	14.65	
22 11 16 00-1248	EA		3/4" x 2" Long, Red Brass Pipe Nipple.....	17.72	
22 11 16 00-1249	EA		3/4" x 2-1/2" Long, Red Brass Pipe Nipple .....	20.85	
22 11 16 00-1250	EA		3/4" x 3" Long, Red Brass Pipe Nipple.....	23.66	
22 11 16 00-1251	EA		3/4" x 3-1/2" Long, Red Brass Pipe Nipple .....	27.17	
22 11 16 00-1252	EA		3/4" x 4" Long, Red Brass Pipe Nipple.....	30.55	
22 11 16 00-1253	EA		3/4" x 4-1/2" Long, Red Brass Pipe Nipple .....	34.30	
22 11 16 00-1254	EA		3/4" x 5" Long, Red Brass Pipe Nipple.....	37.44	
22 11 16 00-1255	EA		3/4" x 5-1/2" Long, Red Brass Pipe Nipple .....	43.13	
22 11 16 00-1256	EA		3/4" x 6" Long, Red Brass Pipe Nipple.....	45.32	

### 22 11 16 00-1257 1" Red Brass Pipe Nipples (22 11 16 00-1063)

Note: Threaded both ends.

22 11 16 00-1258	EA		1" x Close, Red Brass Pipe Nipple.....	21.16	
22 11 16 00-1259	EA		1" x 1-1/2" Long, Red Brass Pipe Nipple .....	23.28	
22 11 16 00-1260	EA		1" x 2" Long, Red Brass Pipe Nipple.....	25.42	
22 11 16 00-1261	EA		1" x 2-1/2" Long, Red Brass Pipe Nipple .....	30.24	
22 11 16 00-1262	EA		1" x 3" Long, Red Brass Pipe Nipple.....	34.18	
22 11 16 00-1263	EA		1" x 3-1/2" Long, Red Brass Pipe Nipple .....	40.25	
22 11 16 00-1264	EA		1" x 4" Long, Red Brass Pipe Nipple.....	45.07	
22 11 16 00-1265	EA		1" x 4-1/2" Long, Red Brass Pipe Nipple .....	49.83	
22 11 16 00-1266	EA		1" x 5" Long, Red Brass Pipe Nipple.....	54.71	
22 11 16 00-1267	EA		1" x 5-1/2" Long, Red Brass Pipe Nipple .....	59.85	
22 11 16 00-1268	EA		1" x 6" Long, Red Brass Pipe Nipple.....	64.60	

### 22 11 16 00-1269 1-1/4" Red Brass Pipe Nipples (22 11 16 00-1063)

Note: Threaded both ends.

22 11 16 00-1270	EA		1-1/4" x Close, Red Brass Pipe Nipple.....	31.30	
22 11 16 00-1271	EA		1-1/4" x 1-1/2" Long, Red Brass Pipe Nipple .....	33.35	
22 11 16 00-1272	EA		1-1/4" x 2" Long, Red Brass Pipe Nipple.....	35.87	
22 11 16 00-1273	EA		1-1/4" x 2-1/2" Long, Red Brass Pipe Nipple .....	43.19	
22 11 16 00-1274	EA		1-1/4" x 3" Long, Red Brass Pipe Nipple.....	50.45	
22 11 16 00-1275	EA		1-1/4" x 3-1/2" Long, Red Brass Pipe Nipple .....	59.22	
22 11 16 00-1276	EA		1-1/4" x 4" Long, Red Brass Pipe Nipple.....	66.48	
22 11 16 00-1277	EA		1-1/4" x 4-1/2" Long, Red Brass Pipe Nipple .....	73.74	
22 11 16 00-1278	EA		1-1/4" x 5" Long, Red Brass Pipe Nipple .....	81.07	
22 11 16 00-1279	EA		1-1/4" x 5-1/2" Long, Red Brass Pipe Nipple .....	88.70	
22 11 16 00-1280	EA		1-1/4" x 6" Long, Red Brass Pipe Nipple .....	95.96	

### 22 11 16 00-1281 1-1/2" Red Brass Pipe Nipples (22 11 16 00-1063)

Note: Threaded both ends.

22 11 16 00-1282	EA		1-1/2" x Close, Red Brass Pipe Nipple.....	38.94	
22 11 16 00-1283	EA		1-1/2" x 1-1/2" Long, Red Brass Pipe Nipple .....	40.63	
22 11 16 00-1284	EA		1-1/2" x 2" Long, Red Brass Pipe Nipple .....	42.32	
22 11 16 00-1285	EA		1-1/2" x 2-1/2" Long, Red Brass Pipe Nipple .....	51.46	
22 11 16 00-1286	EA		1-1/2" x 3" Long, Red Brass Pipe Nipple .....	58.34	
22 11 16 00-1287	EA		1-1/2" x 3-1/2" Long, Red Brass Pipe Nipple .....	68.61	
22 11 16 00-1288	EA		1-1/2" x 4" Long, Red Brass Pipe Nipple .....	77.25	
22 11 16 00-1289	EA		1-1/2" x 4-1/2" Long, Red Brass Pipe Nipple .....	86.20	
22 11 16 00-1290	EA		1-1/2" x 5" Long, Red Brass Pipe Nipple .....	94.84	
22 11 16 00-1291	EA		1-1/2" x 5-1/2" Long, Red Brass Pipe Nipple .....	103.29	
22 11 16 00-1292	EA		1-1/2" x 6" Long, Red Brass Pipe Nipple .....	111.74	

### 22 11 16 00-1293 2" Red Brass Pipe Nipples (22 11 16 00-1063)

Note: Threaded both ends.

22 11 16 00-1294	EA		2" x Close, Red Brass Pipe Nipple.....	59.85	
22 11 16 00-1295	EA		2" x 1-1/2" Long, Red Brass Pipe Nipple .....	61.94	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 11 16 00-1296	EA		2" x 2" Long, Red Brass Pipe Nipple .....	64.01	
22 11 16 00-1297	EA		2" x 2-1/2" Long, Red Brass Pipe Nipple .....	66.11	
22 11 16 00-1298	EA		2" x 3" Long, Red Brass Pipe Nipple .....	74.87	
22 11 16 00-1299	EA		2" x 3-1/2" Long, Red Brass Pipe Nipple .....	88.27	
22 11 16 00-1300	EA		2" x 4" Long, Red Brass Pipe Nipple .....	99.16	
22 11 16 00-1301	EA		2" x 4-1/2" Long, Red Brass Pipe Nipple .....	110.05	
22 11 16 00-1302	EA		2" x 5" Long, Red Brass Pipe Nipple .....	119.88	
22 11 16 00-1303	EA		2" x 5-1/2" Long, Red Brass Pipe Nipple .....	132.21	
22 11 16 00-1304	EA		2" x 6" Long, Red Brass Pipe Nipple .....	143.04	
<b>22 11 16 00-1305</b>			<b>Cross-Linked Polyethylene Tubing, ASTM F877</b> (22 11 16)		
			Note: Aboveground, domestic water usage.		
<b>22 11 16 00-1306</b>			<b>Cross-Linked Polyethylene Tubing</b> (22 11 16 00-1305)		
22 11 16 00-1307	LF		3/8" Cross-Linked Polyethylene Tubing .....	4.52	
			For Work In Restricted Working Space, Add	0.95	
22 11 16 00-1308	LF		1/2" Cross-Linked Polyethylene Tubing .....	4.94	
			For Work In Restricted Working Space, Add	1.03	
22 11 16 00-1309	LF		3/4" Cross-Linked Polyethylene Tubing .....	6.46	
			For Work In Restricted Working Space, Add	1.11	
22 11 16 00-1310	LF		1" Cross-Linked Polyethylene Tubing .....	8.64	
			For Work In Restricted Working Space, Add	1.18	
<b>22 11 16 00-1311</b>			<b>Cross-Linked Polyethylene Forged Brass PEX Fittings</b> (22 11 16 00-1305)		
			Note: Aboveground, domestic water usage.		
<b>22 11 16 00-1312</b>			<b>Male Adapters</b> (22 11 16 00-1311)		
22 11 16 00-1313	EA		3/8" x 1/2", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing .....	21.29	
			For Work In Restricted Working Space, Add	4.93	
22 11 16 00-1314	EA		1/2" x 1/2", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing .....	22.95	
			For Work In Restricted Working Space, Add	5.26	
22 11 16 00-1315	EA		1/2" x 3/4", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing .....	25.18	
			For Work In Restricted Working Space, Add	5.59	
22 11 16 00-1316	EA		3/4" x 3/4", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing .....	26.28	
			For Work In Restricted Working Space, Add	5.92	
22 11 16 00-1317	EA		3/4" x 1/2", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing .....	25.18	
			For Work In Restricted Working Space, Add	5.59	
22 11 16 00-1318	EA		1" x 1", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing .....	33.47	
			For Work In Restricted Working Space, Add	6.58	
<b>22 11 16 00-1319</b>			<b>Female Adapters</b> (22 11 16 00-1311)		
22 11 16 00-1320	EA		1/2" x 1/2", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing .....	23.52	
			For Work In Restricted Working Space, Add	5.26	
22 11 16 00-1321	EA		1/2" x 3/4", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing .....	26.73	
			For Work In Restricted Working Space, Add	5.59	
22 11 16 00-1322	EA		3/4" x 3/4", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing .....	27.83	
			For Work In Restricted Working Space, Add	5.92	
22 11 16 00-1323	EA		3/4" x 1/2", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing .....	26.73	
			For Work In Restricted Working Space, Add	5.59	
22 11 16 00-1324	EA		1" x 1", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing .....	34.17	
			For Work In Restricted Working Space, Add	6.58	
<b>22 11 16 00-1325</b>			<b>Tube Adapters</b> (22 11 16 00-1311)		
22 11 16 00-1326	EA		3/8" x 1/2" Forged Brass Tube Adapter For PEX Tubing .....	18.99	
			For Work In Restricted Working Space, Add	4.93	
22 11 16 00-1327	EA		1/2" Forged Brass Tube Adapter For PEX Tubing .....	20.09	
			For Work In Restricted Working Space, Add	5.26	
22 11 16 00-1328	EA		3/4" Forged Brass Tube Adapter For PEX Tubing .....	24.44	
			For Work In Restricted Working Space, Add	5.92	
22 11 16 00-1329	EA		1" Forged Brass Tube Adapter For PEX Tubing .....	32.02	
			For Work In Restricted Working Space, Add	6.58	
<b>22 11 16 00-1330</b>			<b>Plugs</b> (22 11 16 00-1311)		
22 11 16 00-1331	EA		3/8" Forged Brass Plug For PEX Tubing .....	9.66	
			For Work In Restricted Working Space, Add	2.30	
22 11 16 00-1332	EA		1/2" Forged Brass Plug For PEX Tubing .....	10.75	
			For Work In Restricted Working Space, Add	2.63	
22 11 16 00-1333	EA		3/4" Forged Brass Plug For PEX Tubing .....	12.41	
			For Work In Restricted Working Space, Add	2.96	
22 11 16 00-1334	EA		1" Forged Brass Plug For PEX Tubing .....	15.67	
			For Work In Restricted Working Space, Add	3.29	
<b>22 11 16 00-1335</b>			<b>Tees</b> (22 11 16 00-1311)		
22 11 16 00-1336	EA		3/8" Forged Brass Tee For PEX Tubing .....	27.16	
			For Work In Restricted Working Space, Add	6.91	
22 11 16 00-1337	EA		1/2" Forged Brass Tee For PEX Tubing .....	30.45	
			For Work In Restricted Working Space, Add	7.89	
22 11 16 00-1338	EA		3/4" Forged Brass Tee For PEX Tubing .....	36.56	
			For Work In Restricted Working Space, Add	8.88	
22 11 16 00-1339	EA		1" Forged Brass Tee For PEX Tubing .....	47.82	
			For Work In Restricted Working Space, Add	9.87	

**22 Plumbing****22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
22 11 16 00-1340	EA	1/2" Forged Brass Reducing Tee For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	29.35	7.56	
22 11 16 00-1341	EA	3/4" Forged Brass Reducing Tee For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	34.38	8.22	
22 11 16 00-1342	EA	1" Forged Brass Reducing Tee For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	43.39	8.88	
<b>22 11 16 00-1343</b>		<b>Couplings</b> (22 11 16 00-1311)			
22 11 16 00-1344	EA	3/8" Forged Brass Coupling For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	17.47	4.61	
22 11 16 00-1345	EA	1/2" Forged Brass Coupling For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	19.80	5.26	
22 11 16 00-1346	EA	3/4" Forged Brass Coupling For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	22.70	5.92	
22 11 16 00-1347	EA	1" Forged Brass Coupling For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	28.19	6.58	
22 11 16 00-1348	EA	3/4" x 1/2" Forged Brass Reducing Coupling For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	21.60	5.59	
22 11 16 00-1349	EA	1" x 3/4" Forged Brass Reducing Coupling For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	27.09	6.25	
<b>22 11 16 00-1350</b>		<b>Fitting Reducers</b> (22 11 16 00-1311)			
22 11 16 00-1351	EA	3/8" x 1/2" Forged Brass Fitting Reducer For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	19.41	4.93	
22 11 16 00-1352	EA	1/2" Forged Brass Fitting Reducer For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	20.51	5.26	
22 11 16 00-1353	EA	3/4" Forged Brass Fitting Reducer For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	25.29	5.92	
22 11 16 00-1354	EA	1" Forged Brass Fitting Reducer For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	36.86	6.58	
<b>22 11 16 00-1355</b>		<b>90 Degree Elbows</b> (22 11 16 00-1311)			
22 11 16 00-1356	EA	3/8" Forged Brass 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	18.75	4.61	
22 11 16 00-1357	EA	1/2" Forged Brass 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	20.94	5.26	
22 11 16 00-1358	EA	3/4" Forged Brass 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	25.29	5.92	
22 11 16 00-1359	EA	3/4" x 1/2" Forged Brass 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	24.19	5.59	
22 11 16 00-1360	EA	1/2" Drop 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	29.78	5.26	
22 11 16 00-1361	EA	3/4" Forged Brass Drop 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	33.25	5.92	
22 11 16 00-1362	EA	3/4" x 1/2" Forged Brass Drop 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	32.15	5.59	
<b>22 11 19</b>		<b>Domestic Water Piping Specialties</b> (22 11)			
<b>22 11 19 00-0001</b>		<b>Brass, Anti Siphon Vacuum Breakers</b> (22 11 19) Note: Watts 288A			
22 11 19 00-0002	EA	1/2" Brass, Anti Siphon Vacuum Breaker	102.28		27.41
22 11 19 00-0003	EA	3/4" Brass, Anti Siphon Vacuum Breaker	117.56		30.69
22 11 19 00-0004	EA	1" Brass, Anti Siphon Vacuum Breaker	242.43		35.08
22 11 19 00-0005	EA	1-1/4" Brass, Anti Siphon Vacuum Breaker	386.48		40.56
22 11 19 00-0006	EA	1-1/2" Brass, Anti Siphon Vacuum Breaker	461.67		44.94
22 11 19 00-0007	EA	2" Brass, Anti Siphon Vacuum Breaker	676.36		54.82
22 11 19 00-0008	EA	2-1/2" Brass, Anti Siphon Vacuum Breaker	1,777.82		68.52
<b>22 11 19 00-0009</b>		<b>Anti Siphon Pressure Vacuum Breakers</b> (22 11 19) Note: Watts 800M4QT			
22 11 19 00-0010	EA	1/2" Anti Siphon Pressure Type Vacuum Breaker	303.32		27.41
22 11 19 00-0011	EA	3/4" Anti Siphon Pressure Type Vacuum Breaker	264.80		30.69
22 11 19 00-0012	EA	1" Anti Siphon Pressure Type Vacuum Breaker	379.17		35.08
22 11 19 00-0013	EA	1-1/4" Anti Siphon Pressure Type Vacuum Breaker	687.31		40.56
22 11 19 00-0014	EA	1-1/2" Anti Siphon Pressure Type Vacuum Breaker	837.09		44.94
22 11 19 00-0015	EA	2" Anti Siphon Pressure Type Vacuum Breaker	844.52		54.82
<b>22 11 19 00-0016</b>		<b>Bellows Type Water Hammer Arrestors</b> (22 11 19)			
22 11 19 00-0017	EA	Up To 11 Fixture Unit Capacity, 3/4" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5005)	278.67		13.11
22 11 19 00-0018	EA	>11 To 32 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5010)	545.47		15.86
22 11 19 00-0019	EA	>32 To 60 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5020)	800.14		15.86
22 11 19 00-0020	EA	>60 To 113 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5030)	1,958.24		15.86
22 11 19 00-0021	EA	>113 To 154 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5040)	2,206.30		15.86
22 11 19 00-0022	EA	>154 To 330 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5050)	2,703.89		15.86



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22 11 19 00-0023				<b>Piston Type Water Hammer Arrestors</b> (22 11 19)		
22 11 19 00-0024				<b>Threaded Piston Type Water Hammer Arrestors</b> (22 11 19 00-0023)		
22 11 19 00-0025	EA			Up To 11 Fixture Unit Capacity, 1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-A).....	168.32	7.31
22 11 19 00-0026	EA			>11 To 32 Fixture Unit Capacity, 3/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-B).....	324.27	8.43
22 11 19 00-0027	EA			>32 To 60 Fixture Unit Capacity, 1" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-C).....	482.50	9.14
22 11 19 00-0028	EA			>60 To 113 Fixture Unit Capacity, 1-1/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-D).....	1,188.82	11.79
22 11 19 00-0029	EA			>113 To 154 Fixture Unit Capacity, 1-1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-E).....	1,447.88	14.62
22 11 19 00-0030	EA			>154 To 330 Fixture Unit Capacity, 2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-F).....	1,647.71	15.86
22 11 19 00-0031				<b>Washer Boxes And Dryer Outlets</b> (22 11 19)		
22 11 19 00-0032				<b>Dryer Vent Kit</b> (22 11 19 00-0031) Note: Includes 4" flexible tubing plastic hood clamps and tailpipe.		
22 11 19 00-0033	EA			Dryer Vent Kit With Hood, 4" x 5' Flexible Vent And Clamps.....	73.74	14.25
22 11 19 00-0034				<b>Washer Boxes And Dryer Vents</b> (22 11 19 00-0031) Note: Includes 1/2" supply valves and mounting brackets.		
22 11 19 00-0035	EA			2" Washing Machine Outlet Box, Plastic, Two 1/2" Supply Valves.....	262.83	21.93
22 11 19 00-0036				<b>Ice Maker Outlet Box</b> (22 11 19) Note: Includes one 1/2" quarter turn ball valve and connections wall mount.		
22 11 19 00-0037	EA			Plastic Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve, Wall Mount.....	139.61	21.93
22 11 19 00-0038	EA			Plastic Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve With Water Hammer Arrestor, Wall Mount.....	141.99	21.93
22 11 19 00-0039	EA			Steel Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve, Wall Mount.....	204.07	21.93
22 11 19 00-0040				<b>Rubber Hose And Clamps</b> (22 11 19)		
22 11 19 00-0041				<b>General Purpose Hose</b> (22 11 19 00-0040) Note: For medium pressure (up to 200/250 psi) applications requiring excellent resistance to air, oil and heat.		
22 11 19 00-0042	LF			3/8" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	6.80	2.18
22 11 19 00-0043	LF			1/2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	7.94	2.18
22 11 19 00-0044	LF			5/8" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	9.63	2.18
22 11 19 00-0045	LF			3/4" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	9.71	2.18
22 11 19 00-0046	LF			1" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	13.09	3.28
22 11 19 00-0047	LF			1-1/4" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	21.34	3.28
22 11 19 00-0048	LF			1-1/2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	23.23	4.36
22 11 19 00-0049	LF			2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	43.97	4.36
22 11 19 00-0050				<b>Reinforced EPDM Water Hose Assembly</b> (22 11 19 00-0040) Note: Includes male/female camlock, 150 psi, synthetic fiber with steel wire helix reinforcement.		
22 11 19 00-0051	LF			1-1/2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement.....	58.07	4.36
22 11 19 00-0052	LF			2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement.....	68.45	4.36
22 11 19 00-0053	LF			3" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement.....	96.22	5.36
22 11 19 00-0054	LF			4" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement.....	134.98	7.25
22 11 19 00-0055				<b>Chemical Resistant Rubber Hoses</b> (22 11 19 00-0040)		
22 11 19 00-0056	EA			50' x 6" Brown Gum Rubber, Chemical Resistant Flexible Hose.....	1,151.33	257.75
22 11 19 00-0057	EA			50' x 6" Nitrile Rubber, Low pH Resistance, Flexible Hose.....	1,567.91	257.75
22 11 19 00-0058				<b>Water Pump Hose</b> (22 11 19 00-0040)		
22 11 19 00-0059	EA			2" Inside Diameter, 20' Rubber Discharge Hose.....	504.32	66.61
22 11 19 00-0060	EA			2" Inside Diameter, 20' Rubber Intake Hose.....	533.03	66.61
22 11 19 00-0061				<b>Barbed Hose x Threaded Male Pipe, Steel Coupling</b> (22 11 19 00-0040)		
22 11 19 00-0062	EA			3/8" Inside Diameter Barbed Hose x 1/2" Threaded Male Pipe, Steel Coupling.....	26.59	9.15
22 11 19 00-0063	EA			1/2" Inside Diameter Barbed Hose x 1/2" Threaded Male Pipe, Steel Coupling.....	28.24	9.82
22 11 19 00-0064	EA			5/8" Inside Diameter Barbed Hose x 3/4" Threaded Male Pipe, Steel Coupling.....	30.22	10.47
22 11 19 00-0065	EA			3/4" Inside Diameter Barbed Hose x 3/4" Threaded Male Pipe, Steel Coupling.....	34.52	11.77
22 11 19 00-0066	EA			1" Inside Diameter Barbed Hose x 1" Threaded Male Pipe, Steel Coupling.....	41.18	14.39
22 11 19 00-0067	EA			1-1/4" Inside Diameter Barbed Hose x 1-1/4" Threaded Male Pipe, Steel Coupling.....	48.86	17.22
22 11 19 00-0068	EA			1-1/2" Inside Diameter Barbed Hose x 1-1/2" Threaded Male Pipe, Steel Coupling.....	63.11	22.67
22 11 19 00-0069	EA			2" Inside Diameter Barbed Hose x 2" Threaded Male Pipe, Steel Coupling.....	79.38	28.34
22 11 19 00-0070				<b>Worm-Drive Hose Clamp</b> (22 11 19 00-0040)		

<b>22</b>	<b>Plumbing</b>
<b>22 10</b>	<b>Plumbing Piping</b>
<b>22 11</b>	<b>Facility Water Distribution</b>

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22 11 19 00-0071	EA		3/8" To 1" Diameter Worm Drive Hose Clamp .....	11.21	3.28
22 11 19 00-0072	EA		1/2" To 1-1/6" Diameter Worm Drive Hose Clamp .....	11.85	3.28
22 11 19 00-0073	EA		5/8" To 1-1/2" Diameter Worm Drive Hose Clamp .....	12.57	3.28
22 11 19 00-0074	EA		3/4" To 2" Diameter Worm Drive Hose Clamp .....	13.38	3.28
22 11 19 00-0075	EA		1" To 2-1/2" Diameter Worm Drive Hose Clamp .....	14.31	3.28
22 11 19 00-0076	EA		1-1/4" To 2-3/4" Diameter Worm Drive Hose Clamp .....	15.47	4.36
22 11 19 00-0077	EA		1-1/2" To 3" Diameter Worm Drive Hose Clamp .....	16.71	4.36
<b>22 11 19 00-0078</b>			<b>Trap Primer And Accessories (22 11 19)</b>		
<b>22 11 19 00-0079</b>			<b>Trap Primer (22 11 19 00-0078)</b>		
22 11 19 00-0080	EA		1/2" Inlet/Outlet, Flow Through Automatic Trap Primer (JR Smith 2699) .....	286.27	16.44
22 11 19 00-0081	EA		1/2" Inlet/Outlet, Automatic Trap Primer, Up To Two Floor Drains (PPP PR-500) .....	175.49	10.96
22 11 19 00-0082	EA		1/2" Inlet/Outlet, Automatic Trap Primer, Up To Four Floor Drains (PPP PO-500) .....	169.92	10.96
<b>22 11 19 00-0083</b>			<b>Trap Primer Distribution Unit (22 11 19 00-0078)</b>		
22 11 19 00-0084	EA		Molded Plastic Four Opening Trap Primer Distribution Unit (PPP DU-U) .....	145.91	21.93
			Note: Can be used for two, three or four drains.		
22 11 19 00-0085	EA		Copper Four Opening Trap Primer Distribution Unit (PPP DU-4) .....	160.91	21.93
			Note: Can be used for two, three or four drains.		
<b>22 11 19 00-0086</b>			<b>Trap Primer Manifold (22 11 19 00-0078)</b>		
22 11 19 00-0087	EA		Two Outlet Trap Primer Manifold .....	229.63	29.49
22 11 19 00-0088	EA		Four Outlet Trap Primer Manifold .....	348.15	33.54
22 11 19 00-0089	EA		Six Outlet Trap Primer Manifold .....	464.01	35.52
22 11 19 00-0090	EA		Eight Outlet Trap Primer Manifold .....	583.92	41.66
<b>22 11 19 00-0091</b>			<b>Sewage Air Release Valves (22 11 19)</b>		
<b>22 11 19 00-0092</b>			<b>Cast Iron, Sewage Air Release Valves (22 11 19 00-0091)</b>		
			Note: Stainless steel float.		
22 11 19 00-0093	EA		2" x 1/2" NPT, Cast Iron, Sewage Air Release Valve (Apco 400) .....	854.34	40.03
			For Back Flush Attachment, Add	650.00	
22 11 19 00-0094	EA		3" x 1/2" NPT, Cast Iron, Sewage Air Release Valve (Apco 400) .....	1,050.95	66.90
			For Back Flush Attachment, Add	650.00	
22 11 19 00-0095	EA		4" x 1/2" NPT, Cast Iron, Sewage Air Release Valve (Apco 400) .....	1,332.61	84.45
			For Back Flush Attachment, Add	650.00	
<b>22 11 19 00-0096</b>			<b>Cast Iron, Sewage Air Vacuum Valves (22 11 19 00-0091)</b>		
			Note: Stainless steel float.		
22 11 19 00-0097	EA		2" x 1" NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 401) .....	872.77	40.03
			For Back Flush Attachment, Add	650.00	
22 11 19 00-0098	EA		2" x 2" NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 402) .....	1,706.97	40.03
			For Back Flush Attachment, Add	650.00	
22 11 19 00-0099	EA		3" x 2" NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 403) .....	2,051.06	66.90
			For Back Flush Attachment, Add	650.00	
22 11 19 00-0100	EA		4" NPT x 4" With Hood, Cast Iron, Sewage Air Vacuum Valve (Apco 404) .....	3,035.56	84.45
<b>22 11 19 00-0101</b>			<b>Cast Iron, Sewage Combination Air Valves (22 11 19 00-0091)</b>		
			Note: Stainless steel float.		
22 11 19 00-0102	EA		2" x 1" NPT, Sewage Combination Air Valve (Apco 443) .....	1,859.06	40.03
22 11 19 00-0103	EA		2" x 2" NPT, Sewage Combination Air Valve (Apco 445) .....	2,561.90	40.03
22 11 19 00-0104	EA		3" x 3" NPT, Sewage Combination Air Valve (Apco 447) .....	3,000.47	66.90
22 11 19 00-0105	EA		4" x 4" NPT, Sewage Combination Air Valve (Apco 449) .....	3,669.27	84.45
<b>22 11 19 00-0106</b>			<b>Wall Hydrants (22 11 19)</b>		
			Note: Female inlet connection, 3/4" hose thread outlet.		
<b>22 11 19 00-0107</b>			<b>Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants (22 11 19 00-0106)</b>		
			Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0108	EA		6" Thick Wall, Cast Bronze, Non Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant .....	845.96	27.41
			For Cast Bronze Box, Add	43.74	
			For 1" NPT Outlet, Add	103.08	
22 11 19 00-0109	EA		12" Thick Wall, Cast Bronze, Non Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant .....	890.00	32.89
			For Cast Bronze Box, Add	43.74	
			For 1" NPT Outlet, Add	103.08	
22 11 19 00-0110	EA		18" Thick Wall, Cast Bronze, Non Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant .....	912.45	39.58
			For Cast Bronze Box, Add	43.74	
			For 1" NPT Outlet, Add	103.08	
<b>22 11 19 00-0111</b>			<b>Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants (22 11 19 00-0106)</b>		
			Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0112	EA		Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant .....	840.42	46.04
			For Cast Bronze Box, Add	43.74	
			For 1" NPT Outlet, Add	103.08	

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<b>22 11 19 00-0113</b>	<b>Cast Bronze Non-Freezing Wall Hydrant</b> <small>(22 11 19 00-0106)</small> Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0114	EA 3" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant ..... For 1" NPT Outlet, Add	448.96 103.08	33.99
22 11 19 00-0115	EA 4" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant ..... For 1" NPT Outlet, Add	559.70 103.08	33.99
22 11 19 00-0116	EA 6" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant ..... For 1" NPT Outlet, Add	559.70 103.08	33.99
22 11 19 00-0117	EA 8" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant ..... For 1" NPT Outlet, Add	559.70 103.08	33.99
22 11 19 00-0118	EA 10" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant ..... For 1" NPT Outlet, Add	585.47 103.08	68.52
22 11 19 00-0119	EA 12" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant ..... For 1" NPT Outlet, Add	585.47 103.08	68.52
22 11 19 00-0120	EA 18" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant ..... For 1" NPT Outlet, Add	662.56 103.08	68.52

<b>22 11 19 00-0121</b>	<b>Stainless Steel Box Type Wall Hydrants</b> <small>(22 11 19 00-0106)</small> Note: With 3/4" NPT female and 3/4" NPT male inlet connection.		
22 11 19 00-0122	EA Recessed Stainless Steel Hose Box With Wall Flange Less Door (Acorn 8140).....	416.24	27.41
22 11 19 00-0123	EA Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange Less Door (Acorn 8141).....	454.88	27.41
22 11 19 00-0124	EA Recessed Stainless Steel Hose Box With Wall Flange And Door (Acorn 8150).....	460.15	27.41
22 11 19 00-0125	EA Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange And Door (Acorn 8151).....	518.10	27.41
22 11 19 00-0126	EA Recessed Stainless Steel Hose Box With Wall Flange Less Door (Acorn 8145)..... Note: Includes hot and cold hose connections.	731.30	38.37
22 11 19 00-0127	EA Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange Less Door (Acorn 8146)..... Note: Includes hot and cold hose connections.	754.13	38.37
22 11 19 00-0128	EA Recessed Stainless Steel Hose Box With Wall Flange And Door (Acorn 8155)..... Note: Includes hot and cold hose connections.	754.13	38.37
22 11 19 00-0129	EA Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange And Door (Acorn 8156)..... Note: Includes hot and cold hose connections.	808.57	38.37

<b>22 11 19 00-0130</b>	<b>Tempering Controllers For Potable Hot Water</b> <small>(22 11 19)</small>		
<b>22 11 19 00-0131</b>	<b>Point-Of-Use Thermostatic Mixing Valves (Bradley)</b> <small>(22 11 19 00-0130)</small> Note: Point-of-Use Water Tempering Valves: ASSE 1016, or 1070, with piston-control mechanism, positive shutoff of hot water when cold water supply is lost, bronze body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner.		
22 11 19 00-0132	EA 1/2" Inlets, 1/2" Outlet Sink/Faucet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-2007).....	471.27	26.54
22 11 19 00-0133	EA 1/2" Inlets, 1/2" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4004).....	130.30	26.54
22 11 19 00-0134	EA 1/2" Inlets, 1/2" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4008).....	267.97	26.54
22 11 19 00-0135	EA 3/4" Inlets, 3/4" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4016).....	307.45	35.75

<b>22 11 19 00-0136</b>	<b>Thermostatic Mixing Valves (Bradley)</b> <small>(22 11 19 00-0130)</small> Note: Standard Thermostatic, Water Mixing Valves: ASSE 1017, liquid-filled motor and piston control mechanism with positive shutoff of hot water when coldwater supply is lost. Water flow is shut off in event of thermostat failure. Bronze valve body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner. Equipped with integral check stops and removable strainers.		
22 11 19 00-0137	EA 3/4" Inlets, 3/4" Outlet, 25 GPM Thermostatic Mixing Valve (Bradley S59-2025).....	1,280.91	38.27
22 11 19 00-0138	EA 3/4" Inlets, 1" Outlet, 45 GPM Thermostatic Mixing Valve (Bradley S59-2045).....	1,437.59	47.14
22 11 19 00-0139	EA 1" Inlets, 1-1/4" Outlet, 80 GPM Thermostatic Mixing Valve (Bradley S59-2080).....	1,728.33	54.84
22 11 19 00-0140	EA 1-1/4" Inlets, 1-1/2" Outlet, 130 GPM Thermostatic Mixing Valve (Bradley S59-2130).....	2,240.88	57.63
22 11 19 00-0141	EA 2" Inlets, 2" Outlet, 220 GPM Thermostatic Mixing Valve (Bradley S59-2200).....	3,008.58	74.77

<b>22 11 19 00-0142</b>	<b>High Low Temperature Thermostatic Mixing Valves (Bradley)</b> <small>(22 11 19 00-0130)</small> Note: High Low Temperature Thermostatic Mixing Valves: ASSE 1017, liquid-filled thermal motor and piston control mechanism with positive shutoff of hot water when cold water supply is lost, and allowing restricted cold flow in event of loss or interruption of hot water supply. Flow is shut off in the event of thermostat failure. Equipped with integral check stops, thermometer, and removable strainers.		
22 11 19 00-0143	EA 3/4" Inlets, 1" Outlet, 45 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3045).....	3,266.70	58.95
22 11 19 00-0144	EA 1" Inlets, 1-1/4" Outlet, 80 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3080).....	4,252.05	68.54
22 11 19 00-0145	EA 1-1/4" Inlets, 1-1/2" Outlet, 130 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3130).....	4,959.21	72.04
22 11 19 00-0146	EA 2" Inlets, 2" Outlet, 220 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3200).....	5,493.62	93.46

<b>22 11 19 00-0147</b>	<b>Thermostatic Mixing Valves (Leonard)</b> <small>(22 11 19 00-0130)</small> Note: Thermostatic Water Mixing Valve with Integral combination checkstops with strainers, 125 PSI (8.6 BAR) maximum operating pressure, Copper encapsulated thermostatic assembly with Teflon coated brass shuttle, Locking temperature regulating handle, Top or bottom supply/outlet connections, Integral circulation port connection		
22 11 19 00-0148	EA 3/4" In x 3/4" Out Thermostatic Mixing Valve (Leonard LV-981-RF)..... Note: For hot water or two pipe low pressure steam.	929.04	38.27
22 11 19 00-0149	EA 1" In x 1-1/4" Out Thermostatic Mixing Valve (Leonard LV-982-RF)..... Note: For hot water or two pipe low pressure steam.	1,093.73	47.14
22 11 19 00-0150	EA 1-1/4" In x 1-1/4" Out Thermostatic Mixing Valve (Leonard LV-983-RF)..... Note: For hot water or two pipe low pressure steam.	1,344.29	54.84
22 11 19 00-0151	EA 1-1/4" In x 1-1/2" Out Thermostatic Mixing Valve (Leonard LV-984-RF)..... Note: For hot water or two pipe low pressure steam.	1,643.84	57.65
22 11 19 00-0152	EA 2" In x 2" Out Thermostatic Mixing Valve (Leonard LV-985-RF)..... Note: For hot water or two pipe low pressure steam.	2,442.41	74.77

MINOR	CSI	UOM	DESCRIPTION
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TOTAL DIRECT	DEMOLITION
UNIT COST	UNIT COST

22 11 19 00-0153		<b>Water Mixing/Self Operating Temperature Regulator</b> (22 11 19 00-0130) Note: Includes high rate spring, temperature adjustment screw, temperature dial and remote bulb with 8' capillary tube.		
22 11 19 00-0154	EA	3/4" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator) .....	3,130.39	54.82
22 11 19 00-0155	EA	1" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator) .....	3,312.70	69.06
22 11 19 00-0156	EA	1-1/4" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator) .....	3,645.75	83.31
22 11 19 00-0157	EA	1-1/2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator) .....	4,010.61	97.56
22 11 19 00-0158	EA	2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator) .....	4,774.41	128.26
22 11 19 00-0159	EA	2-1/2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator) .....	5,644.37	146.28
22 11 19 00-0160		<b>Thermostatic Mixing Valves (Holby)</b> (22 11 19 00-0130)		
22 11 19 00-0161	EA	2-1/2" Thermostatic Mixing Valve (Holby HOLBY2500) .....	4,354.35	74.79
22 11 19 00-0162		<b>Backflow Preventer Valves</b> (22 11 19)		
22 11 19 00-0163		<b>Double Check Valve Backflow Preventer Assemblies</b> (22 11 19 00-0162)		
22 11 19 00-0164		<b>Threaded Double Check Valve Assemblies</b> (22 11 19 00-0163)		
22 11 19 00-0165		<b>Double Check Valve Assemblies With Quarter Turn Shut-Offs</b> (22 11 19 00-0164) Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and two epoxy coated bronze body check valves (Watts 007 QT or 719 QT series).		
22 11 19 00-0166	EA	1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series) .....	396.43	29.38
		<i>For Work In Restricted Working Space, Add</i>	22.04	
		<i>For Owner Furnished Material, Deduct</i>	-322.98	
22 11 19 00-0167	EA	3/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series) .....	468.75	41.66
		<i>For Work In Restricted Working Space, Add</i>	31.24	
		<i>For Owner Furnished Material, Deduct</i>	-364.61	
22 11 19 00-0168	EA	1" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series) .....	540.85	50.87
		<i>For Work In Restricted Working Space, Add</i>	38.15	
		<i>For Owner Furnished Material, Deduct</i>	-413.68	
22 11 19 00-0169	EA	1-1/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series) .....	755.76	59.20
		<i>For Work In Restricted Working Space, Add</i>	44.40	
		<i>For Owner Furnished Material, Deduct</i>	-607.77	
22 11 19 00-0170	EA	1-1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series) .....	935.17	67.97
		<i>For Work In Restricted Working Space, Add</i>	50.65	
		<i>For Owner Furnished Material, Deduct</i>	-766.35	
22 11 19 00-0171	EA	2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series) .....	1,078.43	87.70
		<i>For Work In Restricted Working Space, Add</i>	65.78	
		<i>For Owner Furnished Material, Deduct</i>	-859.18	
22 11 19 00-0172		<b>Double Check Valve Assemblies With Quarter Turn Shut-Offs And Strainer</b> (22 11 19 00-0164) Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, two epoxy coated bronze body check valves, and bronze strainer (Watts 007 QT-S or 719 QT-S series).		
22 11 19 00-0173	EA	1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S) .....	488.85	29.38
		<i>For Work In Restricted Working Space, Add</i>	22.04	
		<i>For Owner Furnished Material, Deduct</i>	-415.40	
22 11 19 00-0174	EA	3/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S) .....	604.11	41.66
		<i>For Work In Restricted Working Space, Add</i>	31.24	
		<i>For Owner Furnished Material, Deduct</i>	-499.97	
22 11 19 00-0175	EA	1" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S) .....	706.80	50.87
		<i>For Work In Restricted Working Space, Add</i>	38.15	
		<i>For Owner Furnished Material, Deduct</i>	-579.63	
22 11 19 00-0176	EA	1-1/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S) .....	992.21	59.20
		<i>For Work In Restricted Working Space, Add</i>	44.40	
		<i>For Owner Furnished Material, Deduct</i>	-844.22	
22 11 19 00-0177	EA	1-1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S) .....	1,213.66	67.97
		<i>For Work In Restricted Working Space, Add</i>	50.65	
		<i>For Owner Furnished Material, Deduct</i>	-1,044.84	
22 11 19 00-0178	EA	2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S) .....	1,462.92	87.70
		<i>For Work In Restricted Working Space, Add</i>	65.78	
		<i>For Owner Furnished Material, Deduct</i>	-1,243.67	
22 11 19 00-0179		<b>Flanged Double Check Valve Assemblies</b> (22 11 19 00-0163)		
22 11 19 00-0180		<b>Double Check Valve Assemblies With Non-Rising Stem Shut-Offs</b> (22 11 19 00-0179) Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF007 NRS series).		
22 11 19 00-0181	EA	2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF007 NRS) .....	5,331.69	242.29
		<i>For Work In Restricted Working Space, Add</i>	96.92	
		<i>For Owner Furnished Material, Deduct</i>	-5,008.63	
22 11 19 00-0182	EA	3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF007 NRS) .....	5,858.39	272.58
		<i>For Work In Restricted Working Space, Add</i>	107.52	
		<i>For Owner Furnished Material, Deduct</i>	-5,500.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 11 19 00-0183			<b>Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs</b> <small>(22 11 19 00-0179)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF007 OSY series).		
22 11 19 00-0184	EA		2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF007 OSY).....	5,840.79	242.29
			<i>For Work In Restricted Working Space, Add</i>	96.92	
			<i>For Owner Furnished Material, Deduct</i>	-5,517.73	
22 11 19 00-0185	EA		3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 007 OSY).....	6,706.88	272.58
			<i>For Work In Restricted Working Space, Add</i>	107.52	
			<i>For Owner Furnished Material, Deduct</i>	-6,348.49	
22 11 19 00-0186			<b>Double Check Valve Assemblies With Non-Rising Stem Shut-Offs</b> <small>(22 11 19 00-0179)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF709 NRS series).		
22 11 19 00-0187	EA		2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series).....	5,368.40	242.29
			<i>For Work In Restricted Working Space, Add</i>	96.91	
			<i>For Owner Furnished Material, Deduct</i>	-5,045.36	
22 11 19 00-0188	EA		3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series).....	4,098.54	272.58
			<i>For Work In Restricted Working Space, Add</i>	107.52	
			<i>For Owner Furnished Material, Deduct</i>	-3,740.14	
22 11 19 00-0189	EA		4" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series).....	6,415.53	403.82
			<i>For Work In Restricted Working Space, Add</i>	161.44	
			<i>For Owner Furnished Material, Deduct</i>	-5,877.39	
22 11 19 00-0190	EA		6" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series).....	9,748.37	588.31
			<i>For Work In Restricted Working Space, Add</i>	318.83	
			<i>For Owner Furnished Material, Deduct</i>	-8,685.62	
22 11 19 00-0191	EA		8" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series).....	22,249.19	882.47
			<i>For Work In Restricted Working Space, Add</i>	478.31	
			<i>For Owner Furnished Material, Deduct</i>	-20,654.81	
22 11 19 00-0192	EA		10" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series).....	28,573.01	1,043.77
			<i>For Work In Restricted Working Space, Add</i>	569.33	
			<i>For Owner Furnished Material, Deduct</i>	-26,675.24	
22 11 19 00-0193			<b>Double Check Valve Assemblies With Non-Rising Stem Shut-Offs And Strainer</b> <small>(22 11 19 00-0179)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, two epoxy coated iron body check valves, and iron body strainer (Watts 709 NRS-S series).		
22 11 19 00-0194	EA		4" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series).....	7,490.65	403.82
			<i>For Work In Restricted Working Space, Add</i>	161.43	
			<i>For Owner Furnished Material, Deduct</i>	-6,952.56	
22 11 19 00-0195	EA		6" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series).....	12,450.26	588.31
			<i>For Work In Restricted Working Space, Add</i>	318.83	
			<i>For Owner Furnished Material, Deduct</i>	-11,387.51	
22 11 19 00-0196	EA		10" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series).....	33,182.44	1,043.77
			<i>For Work In Restricted Working Space, Add</i>	569.33	
			<i>For Owner Furnished Material, Deduct</i>	-31,284.67	
22 11 19 00-0197			<b>Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs</b> <small>(22 11 19 00-0179)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF709 OSY series).		
22 11 19 00-0198	EA		2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series).....	5,701.46	242.29
			<i>For Work In Restricted Working Space, Add</i>	96.91	
			<i>For Owner Furnished Material, Deduct</i>	-5,378.42	
22 11 19 00-0199	EA		3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY series).....	6,264.90	272.58
			<i>For Work In Restricted Working Space, Add</i>	107.52	
			<i>For Owner Furnished Material, Deduct</i>	-5,906.51	
22 11 19 00-0200	EA		4" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series).....	6,805.53	403.82
			<i>For Work In Restricted Working Space, Add</i>	161.43	
			<i>For Owner Furnished Material, Deduct</i>	-6,267.44	
22 11 19 00-0201	EA		6" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series).....	11,406.75	588.31
			<i>For Work In Restricted Working Space, Add</i>	318.83	
			<i>For Owner Furnished Material, Deduct</i>	-10,344.00	
22 11 19 00-0202	EA		8" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series).....	23,626.20	882.47
			<i>For Work In Restricted Working Space, Add</i>	478.24	
			<i>For Owner Furnished Material, Deduct</i>	-22,032.07	
22 11 19 00-0203	EA		10" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series).....	30,350.07	1,043.77
			<i>For Work In Restricted Working Space, Add</i>	569.33	
			<i>For Owner Furnished Material, Deduct</i>	-28,452.30	
22 11 19 00-0204			<b>Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs</b> <small>(22 11 19 00-0179)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 OSY series).		
22 11 19 00-0205	EA		2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series).....	3,400.53	242.29
			<i>For Work In Restricted Working Space, Add</i>	96.91	
			<i>For Owner Furnished Material, Deduct</i>	-3,077.49	
22 11 19 00-0206	EA		3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series).....	3,743.81	272.58
			<i>For Work In Restricted Working Space, Add</i>	107.52	
			<i>For Owner Furnished Material, Deduct</i>	-3,385.42	
22 11 19 00-0207	EA		4" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series).....	4,231.43	403.82
			<i>For Work In Restricted Working Space, Add</i>	161.43	
			<i>For Owner Furnished Material, Deduct</i>	-3,693.34	

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 11 Facility Water Distribution**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0208	EA		6" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	6,837.81 318.83 -5,775.06	588.31
22 11 19 00-0209	EA		8" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	13,011.91 478.24 -11,417.78	882.47
22 11 19 00-0210	EA		10" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	14,115.60 569.33 -12,217.83	1,043.77
<b>22 11 19 00-0211</b>			<b>N-Pattern Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs</b> <small>(22 11 19 00-0179)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N OSY series).		
22 11 19 00-0212	EA		2-1/2" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,492.49 96.91 -4,169.45	242.29
22 11 19 00-0213	EA		3" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,835.76 107.52 -4,477.37	272.58
22 11 19 00-0214	EA		4" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757 OSY Series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	6,056.13 161.43 -5,518.04	403.82
22 11 19 00-0215	EA		6" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	9,892.44 318.83 -8,829.69	588.31
22 11 19 00-0216	EA		8" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	17,539.18 478.24 -15,945.05	882.47
22 11 19 00-0217	EA		10" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	20,871.43 569.33 -18,973.66	1,043.77
<b>22 11 19 00-0218</b>			<b>Double Check Valve Assemblies With Non-Rising Stem Shut-Off Valves</b> <small>(22 11 19 00-0179)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 NRS series).		
22 11 19 00-0219	EA		2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,183.34 96.91 -2,860.30	242.29
22 11 19 00-0220	EA		3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,536.50 107.52 -3,178.11	272.58
22 11 19 00-0221	EA		4" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,033.87 161.43 -3,495.78	403.82
22 11 19 00-0222	EA		6" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	6,682.61 318.83 -5,619.86	588.31
22 11 19 00-0223	EA		8" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	12,862.35 478.24 -11,268.22	882.47
22 11 19 00-0224	EA		10" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	14,533.20 569.33 -12,635.43	1,043.77
<b>22 11 19 00-0225</b>			<b>N-Pattern Double Check Valve Assemblies With Non-Rising Stem Shut-Offs</b> <small>(22 11 19 00-0179)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N NRS series).		
22 11 19 00-0226	EA		2-1/2" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,183.74 96.91 -3,860.70	242.29
22 11 19 00-0227	EA		3" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,527.02 107.52 -4,168.63	272.58
22 11 19 00-0228	EA		4" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	5,747.76 161.43 -5,209.67	403.82
22 11 19 00-0229	EA		6" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	9,564.00 318.83 -8,501.25	588.31
22 11 19 00-0230	EA		8" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	17,042.05 478.24 -15,447.92	882.47
22 11 19 00-0231	EA		10" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	20,372.85 569.33 -18,475.08	1,043.77

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0232			<b>Double Check Valve Assemblies With Butterfly Shut-Off Valves</b> (22 11 19 00-0179) Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757 BFG series).		
22 11 19 00-0233	EA		2-1/2" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) .....	3,697.00	242.29
			<i>For Work In Restricted Working Space, Add</i>	96.91	
			<i>For Owner Furnished Material, Deduct</i>	-3,373.96	
22 11 19 00-0234	EA		3" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) .....	4,040.27	272.58
			<i>For Work In Restricted Working Space, Add</i>	107.52	
			<i>For Owner Furnished Material, Deduct</i>	-3,681.88	
22 11 19 00-0235	EA		4" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) .....	4,527.90	403.82
			<i>For Work In Restricted Working Space, Add</i>	161.43	
			<i>For Owner Furnished Material, Deduct</i>	-3,989.81	
22 11 19 00-0236	EA		6" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) .....	7,141.75	588.31
			<i>For Work In Restricted Working Space, Add</i>	318.83	
			<i>For Owner Furnished Material, Deduct</i>	-6,079.00	
22 11 19 00-0237	EA		8" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) .....	13,315.85	882.47
			<i>For Work In Restricted Working Space, Add</i>	478.24	
			<i>For Owner Furnished Material, Deduct</i>	-11,721.72	
22 11 19 00-0238			<b>N-Pattern Double Check Valve Assemblies With Butterfly Shut-Offs</b> (22 11 19 00-0179) Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757N BFG series).		
22 11 19 00-0239	EA		2-1/2" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) .....	4,788.95	242.29
			<i>For Work In Restricted Working Space, Add</i>	96.91	
			<i>For Owner Furnished Material, Deduct</i>	-4,465.91	
22 11 19 00-0240	EA		3" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) .....	5,132.23	272.58
			<i>For Work In Restricted Working Space, Add</i>	107.52	
			<i>For Owner Furnished Material, Deduct</i>	-4,773.84	
22 11 19 00-0241	EA		4" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) .....	6,352.60	403.82
			<i>For Work In Restricted Working Space, Add</i>	161.43	
			<i>For Owner Furnished Material, Deduct</i>	-5,814.51	
22 11 19 00-0242	EA		6" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) .....	10,196.44	588.31
			<i>For Work In Restricted Working Space, Add</i>	318.83	
			<i>For Owner Furnished Material, Deduct</i>	-9,133.69	
22 11 19 00-0243	EA		8" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) .....	13,315.85	882.47
			<i>For Work In Restricted Working Space, Add</i>	478.24	
			<i>For Owner Furnished Material, Deduct</i>	-11,721.72	
22 11 19 00-0244			<b>Grooved Double Check Valve Assemblies</b> (22 11 19 00-0163)		
22 11 19 00-0245			<b>Double Check Valve Assemblies With Quarter Turn Shut-Offs</b> (22 11 19 00-0244) Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757 QT series).		
22 11 19 00-0246	EA		2-1/2" Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series) .....	3,183.34	129.22
			<i>For Work In Restricted Working Space, Add</i>	96.91	
			<i>For Owner Furnished Material, Deduct</i>	-2,860.30	
22 11 19 00-0247	EA		3" Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series) .....	3,536.50	143.36
			<i>For Work In Restricted Working Space, Add</i>	107.52	
			<i>For Owner Furnished Material, Deduct</i>	-3,178.11	
22 11 19 00-0248			<b>N-Patten Double Check Valve Assemblies With Quarter Turn Shut-Offs</b> (22 11 19 00-0244) Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757N QT series).		
22 11 19 00-0249	EA		2-1/2" N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series) .....	4,183.74	129.22
			<i>For Work In Restricted Working Space, Add</i>	96.91	
			<i>For Owner Furnished Material, Deduct</i>	-3,860.70	
22 11 19 00-0250	EA		3" N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series) .....	4,527.02	143.36
			<i>For Work In Restricted Working Space, Add</i>	107.52	
			<i>For Owner Furnished Material, Deduct</i>	-4,168.63	
22 11 19 00-0251			<b>Reduced Pressure Zone Backflow Preventer Assemblies</b> (22 11 19 00-0162)		
22 11 19 00-0252			<b>Threaded Reduced Pressure Zone Assemblies</b> (22 11 19 00-0251)		
22 11 19 00-0253			<b>Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs</b> (22 11 19 00-0252) Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).		
22 11 19 00-0254	EA		1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series) .....	439.23	25.43
			<i>For Work In Restricted Working Space, Add</i>	19.07	
			<i>For Owner Furnished Material, Deduct</i>	-375.65	
22 11 19 00-0255	EA		3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series) .....	464.05	28.06
			<i>For Work In Restricted Working Space, Add</i>	21.05	
			<i>For Owner Furnished Material, Deduct</i>	-393.89	
22 11 19 00-0256	EA		1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series) .....	540.05	29.38
			<i>For Work In Restricted Working Space, Add</i>	22.04	
			<i>For Owner Furnished Material, Deduct</i>	-466.60	
22 11 19 00-0257	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series) .....	725.57	41.66
			<i>For Work In Restricted Working Space, Add</i>	31.24	
			<i>For Owner Furnished Material, Deduct</i>	-621.43	
22 11 19 00-0258	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) .....	861.05	50.87
			<i>For Work In Restricted Working Space, Add</i>	38.15	
			<i>For Owner Furnished Material, Deduct</i>	-733.88	

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 11 Facility Water Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0259	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,299.24 44.40 -1,151.25	59.20
22 11 19 00-0260	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,374.21 50.65 -1,205.39	67.97
22 11 19 00-0261	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,649.64 65.78 -1,430.39	87.70
<b>22 11 19 00-0262</b>			<b>Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer</b> <small>(22 11 19 00-0252)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 009 QT-S series).		
22 11 19 00-0263	EA		1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	484.71 19.07 -421.13	25.43
22 11 19 00-0264	EA		3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	511.98 21.05 -441.82	28.06
22 11 19 00-0265	EA		1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	605.73 22.04 -532.28	41.66
22 11 19 00-0266	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	828.78 31.24 -724.64	41.66
22 11 19 00-0267	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	990.12 38.15 -862.95	50.87
22 11 19 00-0268	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,475.25 44.40 -1,327.26	59.20
22 11 19 00-0269	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,622.60 50.65 -1,453.78	67.97
22 11 19 00-0270	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,954.38 65.78 -1,735.13	87.70
<b>22 11 19 00-0271</b>			<b>Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs</b> <small>(22 11 19 00-0252)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 919 QT series).		
22 11 19 00-0272	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	725.57 31.24 -621.43	41.66
22 11 19 00-0273	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	861.05 38.15 -733.88	50.87
22 11 19 00-0274	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,299.24 44.40 -1,151.25	59.20
22 11 19 00-0275	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,374.21 50.65 -1,205.39	67.97
22 11 19 00-0276	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,649.64 65.78 -1,430.39	87.70
<b>22 11 19 00-0277</b>			<b>Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer</b> <small>(22 11 19 00-0252)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 919 QT-S series).		
22 11 19 00-0278	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	828.78 31.24 -724.64	41.66
22 11 19 00-0279	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	990.12 38.15 -862.95	50.87
22 11 19 00-0280	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,475.25 44.40 -1,327.26	59.20
22 11 19 00-0281	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,622.60 50.65 -1,453.78	67.97



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0282	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	1,954.38	87.70
			<i>For Work In Restricted Working Space, Add</i>	65.78	
			<i>For Owner Furnished Material, Deduct</i>	-1,735.13	
<b>22 11 19 00-0283</b>			<b>Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs</b> <small>(22 11 19 00-0282)</small>		
			Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 909 QT series).		
22 11 19 00-0284	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909QT) .....	1,492.20	41.66
			<i>For Work In Restricted Working Space, Add</i>	31.24	
			<i>For Owner Furnished Material, Deduct</i>	-1,388.06	
22 11 19 00-0285	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909QT) .....	1,766.44	50.87
			<i>For Work In Restricted Working Space, Add</i>	38.15	
			<i>For Owner Furnished Material, Deduct</i>	-1,639.27	
22 11 19 00-0286	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909M1QT) .....	2,716.13	59.20
			<i>For Work In Restricted Working Space, Add</i>	44.40	
			<i>For Owner Furnished Material, Deduct</i>	-2,568.14	
22 11 19 00-0287	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909M1QT) .....	2,936.76	67.97
			<i>For Work In Restricted Working Space, Add</i>	50.65	
			<i>For Owner Furnished Material, Deduct</i>	-2,767.94	
22 11 19 00-0288	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909M1QT).....	3,407.81	87.70
			<i>For Work In Restricted Working Space, Add</i>	65.78	
			<i>For Owner Furnished Material, Deduct</i>	-3,188.56	
<b>22 11 19 00-0289</b>			<b>Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer</b> <small>(22 11 19 00-0282)</small>		
			Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts LF909 QT-S series).		
22 11 19 00-0290	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909QT-S).....	2,008.16	41.66
			<i>For Work In Restricted Working Space, Add</i>	31.24	
			<i>For Owner Furnished Material, Deduct</i>	-1,904.02	
22 11 19 00-0291	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909QT-S).....	2,387.32	50.87
			<i>For Work In Restricted Working Space, Add</i>	38.15	
			<i>For Owner Furnished Material, Deduct</i>	-2,260.15	
22 11 19 00-0292	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S).....	3,637.77	59.20
			<i>For Work In Restricted Working Space, Add</i>	44.40	
			<i>For Owner Furnished Material, Deduct</i>	-3,489.78	
22 11 19 00-0293	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S).....	3,974.07	67.97
			<i>For Work In Restricted Working Space, Add</i>	50.65	
			<i>For Owner Furnished Material, Deduct</i>	-3,805.25	
22 11 19 00-0294	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S).....	4,721.33	87.70
			<i>For Work In Restricted Working Space, Add</i>	65.78	
			<i>For Owner Furnished Material, Deduct</i>	-4,502.08	
22 11 19 00-0295			<b>Flanged Reduced Pressure Zone Assemblies</b> <small>(22 11 19 00-0251)</small>		
<b>22 11 19 00-0296</b>			<b>Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs</b> <small>(22 11 19 00-0295)</small>		
			Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts LF009 NRS series).		
22 11 19 00-0297	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF009 NRS series).....	4,904.91	242.29
			<i>For Work In Restricted Working Space, Add</i>	96.92	
			<i>For Owner Furnished Material, Deduct</i>	-4,581.85	
22 11 19 00-0298	EA		3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF009 NRS series).....	5,526.59	272.58
			<i>For Work In Restricted Working Space, Add</i>	107.52	
			<i>For Owner Furnished Material, Deduct</i>	-5,168.20	
<b>22 11 19 00-0299</b>			<b>Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Strainer</b> <small>(22 11 19 00-0295)</small>		
			Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts LF009 NRS-S-FDA series).		
22 11 19 00-0300	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF009 NRS-S-FDA series).....	5,844.59	242.29
			<i>For Work In Restricted Working Space, Add</i>	96.92	
			<i>For Owner Furnished Material, Deduct</i>	-5,521.53	
22 11 19 00-0301	EA		3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF009 NRS-S-FDA series).....	6,618.23	272.58
			<i>For Work In Restricted Working Space, Add</i>	107.52	
			<i>For Owner Furnished Material, Deduct</i>	-6,259.84	
<b>22 11 19 00-0302</b>			<b>Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs</b> <small>(22 11 19 00-0295)</small>		
			Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts LF009 OSY series).		
22 11 19 00-0303	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF009 OSY series).....	5,264.57	242.29
			<i>For Work In Restricted Working Space, Add</i>	96.92	
			<i>For Owner Furnished Material, Deduct</i>	-4,941.51	
22 11 19 00-0304	EA		3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF009 OSY series).....	6,124.33	272.58
			<i>For Work In Restricted Working Space, Add</i>	107.52	
			<i>For Owner Furnished Material, Deduct</i>	-5,765.94	

MINOR	CSI	UOM	DESCRIPTION
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TOTAL DIRECT	DEMOLITION
UNIT COST	UNIT COST

22 11 19 00-0305	<b>Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs And Strainer</b> <small>(22 11 19 00-0295)</small>			
	Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies. (Watts LF009 OSY-S-FDA Series)			
22 11 19 00-0306	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs And Strainer (Watts LF009 OSY-S-FDA series)	5,844.59	242.29
		<i>For Work In Restricted Working Space, Add</i>	96.92	
		<i>For Owner Furnished Material, Deduct</i>	-5,521.53	
22 11 19 00-0307	EA	3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs And Strainer (Watts LF009 OSY-S-FDA series)	6,618.23	272.58
		<i>For Work In Restricted Working Space, Add</i>	107.52	
		<i>For Owner Furnished Material, Deduct</i>	-6,259.84	
22 11 19 00-0308	<b>Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs</b> <small>(22 11 19 00-0295)</small>			
	Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and captured spring assemblies (Watts LF009 QT-FDA series).			
22 11 19 00-0309	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts LF009 QT-FDA series)	6,486.65	242.29
		<i>For Work In Restricted Working Space, Add</i>	96.92	
		<i>For Owner Furnished Material, Deduct</i>	-6,163.59	
22 11 19 00-0310	EA	3" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts LF009 QT-FDA series)	7,505.98	272.58
		<i>For Work In Restricted Working Space, Add</i>	107.52	
		<i>For Owner Furnished Material, Deduct</i>	-7,147.59	
22 11 19 00-0311	<b>Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs</b> <small>(22 11 19 00-0295)</small>			
	Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts LF909 NRS series).			
22 11 19 00-0312	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series)	8,414.10	242.29
		<i>For Work In Restricted Working Space, Add</i>	96.91	
		<i>For Owner Furnished Material, Deduct</i>	-8,091.06	
22 11 19 00-0313	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series)	9,558.83	272.58
		<i>For Work In Restricted Working Space, Add</i>	107.52	
		<i>For Owner Furnished Material, Deduct</i>	-9,200.43	
22 11 19 00-0314	EA	4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series)	12,039.63	403.82
		<i>For Work In Restricted Working Space, Add</i>	161.44	
		<i>For Owner Furnished Material, Deduct</i>	-11,501.49	
22 11 19 00-0315	EA	6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series)	18,199.24	588.31
		<i>For Work In Restricted Working Space, Add</i>	446.39	
		<i>For Owner Furnished Material, Deduct</i>	-16,711.29	
22 11 19 00-0316	EA	8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909M1 NRS series)	30,179.26	882.47
		<i>For Work In Restricted Working Space, Add</i>	669.58	
		<i>For Owner Furnished Material, Deduct</i>	-27,947.34	
22 11 19 00-0317	EA	10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909M1 NRS series)	38,913.40	1,043.77
		<i>For Work In Restricted Working Space, Add</i>	569.33	
		<i>For Owner Furnished Material, Deduct</i>	-37,015.63	
22 11 19 00-0318	<b>Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Epoxy Coated Strainer</b> <small>(22 11 19 00-0295)</small>			
	Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts LF909 NRS-S-FDA series).			
22 11 19 00-0319	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	9,066.30	242.29
		<i>For Work In Restricted Working Space, Add</i>	96.91	
		<i>For Owner Furnished Material, Deduct</i>	-8,743.26	
22 11 19 00-0320	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	10,245.21	272.58
		<i>For Work In Restricted Working Space, Add</i>	107.52	
		<i>For Owner Furnished Material, Deduct</i>	-9,886.82	
22 11 19 00-0321	EA	4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	13,091.96	403.82
		<i>For Work In Restricted Working Space, Add</i>	161.43	
		<i>For Owner Furnished Material, Deduct</i>	-12,553.87	
22 11 19 00-0322	EA	6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	19,754.89	588.31
		<i>For Work In Restricted Working Space, Add</i>	318.83	
		<i>For Owner Furnished Material, Deduct</i>	-18,692.14	
22 11 19 00-0323	EA	8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	31,987.03	882.47
		<i>For Work In Restricted Working Space, Add</i>	478.24	
		<i>For Owner Furnished Material, Deduct</i>	-30,392.90	
22 11 19 00-0324	EA	10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	43,403.41	1,043.77
		<i>For Work In Restricted Working Space, Add</i>	569.33	
		<i>For Owner Furnished Material, Deduct</i>	-41,505.64	
22 11 19 00-0325	<b>Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs</b> <small>(22 11 19 00-0295)</small>			
	Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts LF909 OSY series).			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0326	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series).....	8,951.06	242.29
			<i>For Work In Restricted Working Space, Add</i>	96.91	
			<i>For Owner Furnished Material, Deduct</i>	-8,628.02	
22 11 19 00-0327	EA		3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)....	10,174.31	272.58
			<i>For Work In Restricted Working Space, Add</i>	107.52	
			<i>For Owner Furnished Material, Deduct</i>	-9,815.91	
22 11 19 00-0328	EA		4" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)....	12,804.54	403.82
			<i>For Work In Restricted Working Space, Add</i>	161.44	
			<i>For Owner Furnished Material, Deduct</i>	-12,266.40	
22 11 19 00-0329	EA		6" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)....	18,889.08	588.31
			<i>For Work In Restricted Working Space, Add</i>	318.83	
			<i>For Owner Furnished Material, Deduct</i>	-17,826.33	
22 11 19 00-0330	EA		8" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909M1 OSY series).....	31,405.49	882.47
			<i>For Work In Restricted Working Space, Add</i>	478.24	
			<i>For Owner Furnished Material, Deduct</i>	-29,811.36	
22 11 19 00-0331	EA		10" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909M1 OSY series).....	41,379.72	1,043.77
			<i>For Work In Restricted Working Space, Add</i>	569.33	
			<i>For Owner Furnished Material, Deduct</i>	-39,481.95	
22 11 19 00-0332			<b>Double Check Detector Assemblies</b> (22 11 19 00-0162)		
22 11 19 00-0333			<b>Flanged Double Check Detector Assemblies With Meter</b> (22 11 19 00-0332)		
22 11 19 00-0334			<b>Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter</b> (22 11 19 00-0333)		
			Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, two epoxy coated iron body check valves, and meter (Watts 709 DCDA OSY series).		
22 11 19 00-0335	EA		3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	6,719.61	272.58
			<i>For Work In Restricted Working Space, Add</i>	107.52	
			<i>For Owner Furnished Material, Deduct</i>	-6,361.22	
22 11 19 00-0336	EA		4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	7,046.91	403.82
			<i>For Work In Restricted Working Space, Add</i>	161.43	
			<i>For Owner Furnished Material, Deduct</i>	-6,508.82	
22 11 19 00-0337	EA		6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	9,514.67	588.31
			<i>For Work In Restricted Working Space, Add</i>	318.83	
			<i>For Owner Furnished Material, Deduct</i>	-8,451.92	
22 11 19 00-0338	EA		8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	16,871.47	882.47
			<i>For Work In Restricted Working Space, Add</i>	478.24	
			<i>For Owner Furnished Material, Deduct</i>	-15,277.34	
22 11 19 00-0339	EA		10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	22,776.74	1,043.77
			<i>For Work In Restricted Working Space, Add</i>	569.33	
			<i>For Owner Furnished Material, Deduct</i>	-20,878.97	
22 11 19 00-0340			<b>Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter</b> (22 11 19 00-0333)		
			Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA OSY series).		
22 11 19 00-0341	EA		2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	5,035.67	242.29
			<i>For Work In Restricted Working Space, Add</i>	96.92	
			<i>For Owner Furnished Material, Deduct</i>	-4,712.61	
22 11 19 00-0342	EA		3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	5,378.61	272.58
			<i>For Work In Restricted Working Space, Add</i>	107.52	
			<i>For Owner Furnished Material, Deduct</i>	-5,020.22	
22 11 19 00-0343	EA		4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	5,873.52	403.82
			<i>For Work In Restricted Working Space, Add</i>	161.43	
			<i>For Owner Furnished Material, Deduct</i>	-5,335.43	
22 11 19 00-0344	EA		6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	7,990.75	588.31
			<i>For Work In Restricted Working Space, Add</i>	318.83	
			<i>For Owner Furnished Material, Deduct</i>	-6,928.00	
22 11 19 00-0345	EA		8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	14,117.10	882.47
			<i>For Work In Restricted Working Space, Add</i>	478.24	
			<i>For Owner Furnished Material, Deduct</i>	-12,522.97	
22 11 19 00-0346	EA		10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	16,648.16	1,043.77
			<i>For Work In Restricted Working Space, Add</i>	569.33	
			<i>For Owner Furnished Material, Deduct</i>	-14,750.39	
22 11 19 00-0347			<b>Double Check Detector Assembly With Butterfly Valves And Meter</b> (22 11 19 00-0333)		
			Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA BFG series).		
22 11 19 00-0348	EA		2-1/2" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series).....	5,332.20	242.29
			<i>For Work In Restricted Working Space, Add</i>	96.92	
			<i>For Owner Furnished Material, Deduct</i>	-5,009.14	

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 11 Facility Water Distribution**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0349	EA		3" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	5,675.14 107.52 -5,316.75	272.58
22 11 19 00-0350	EA		4" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	6,169.98 161.43 -5,631.89	403.82
22 11 19 00-0351	EA		6" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	8,294.68 318.83 -7,231.93	588.31
22 11 19 00-0352	EA		8" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	13,752.44 478.24 -12,158.31	882.47
22 11 19 00-0353			<b>Flanged Double Check Detector Assemblies Without Meter</b> (22 11 19 00-0332)		
22 11 19 00-0354			<b>Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs Less Meter</b> (22 11 19 00-0353) Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA OSY LM series).		
22 11 19 00-0355	EA		2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series) ..... <i>For Work In Restricted Working Space, Add</i>	4,942.04 96.92	242.29
22 11 19 00-0356	EA		3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series) ..... <i>For Work In Restricted Working Space, Add</i>	5,285.02 107.52	272.58
22 11 19 00-0357	EA		4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series) ..... <i>For Work In Restricted Working Space, Add</i>	5,779.93 161.43	403.82
22 11 19 00-0358	EA		6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series) ..... <i>For Work In Restricted Working Space, Add</i>	7,897.16 318.83	588.31
22 11 19 00-0359	EA		8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series) ..... <i>For Work In Restricted Working Space, Add</i>	14,023.58 478.24	882.47
22 11 19 00-0360	EA		10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series) ..... <i>For Work In Restricted Working Space, Add</i>	16,554.51 569.33	1,043.77
22 11 19 00-0361			<b>Double Check Detector Assembly With Butterfly Valves Less Meter</b> (22 11 19 00-0353) Note: Includes ball type test cocks, two butterfly resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA BFG LM series).		
22 11 19 00-0362	EA		2-1/2" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series) ..... <i>For Work In Restricted Working Space, Add</i>	5,238.55 96.92	242.29
22 11 19 00-0363	EA		3" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series) ..... <i>For Work In Restricted Working Space, Add</i>	5,581.49 107.52	272.58
22 11 19 00-0364	EA		4" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series) ..... <i>For Work In Restricted Working Space, Add</i>	6,076.40 161.43	403.82
22 11 19 00-0365	EA		6" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series) ..... <i>For Work In Restricted Working Space, Add</i>	8,201.03 318.83	588.31
22 11 19 00-0366	EA		8" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series) ..... <i>For Work In Restricted Working Space, Add</i>	14,327.52 478.24	882.47
22 11 19 00-0367			<b>Backflow Preventer Accessories</b> (22 11 19 00-0162)		
22 11 19 00-0368			<b>Air Gap</b> (22 11 19 00-0367)		
22 11 19 00-0369	EA		Up To 1" Diameter Air Gap For Backflow Preventer .....	113.36	13.70
22 11 19 00-0370	EA		1-1/4" To 2" Diameter Air Gap For Backflow Preventer .....	139.45	16.44
22 11 19 00-0371	EA		2-1/2" To 3" Diameter Air Gap For Backflow Preventer .....	260.75	21.93
22 11 19 00-0372	EA		4" To 6" Diameter Air Gap For Backflow Preventer .....	515.16	38.37
22 11 19 00-0373	EA		8" To 10" Diameter Air Gap For Backflow Preventer .....	548.05	54.82
22 11 19 00-0374			<b>Brass Test Cocks</b> (22 11 19 00-0367)		
22 11 19 00-0375	EA		1/8" Or 1/4" Brass Test Cock .....	46.13	5.48
22 11 19 00-0376			<b>Backflow Valve Enclosures</b> (22 11 19 00-0162)		
22 11 19 00-0377			<b>Flip-Top, Insulated Fiberglass Valve Enclosures</b> (22 11 19 00-0376) Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
22 11 19 00-0378	EA		19" Length x 11" Width x 22" Height, Flip-Top, Insulated Fiberglass Valve Enclosure ..... <i>For Heated Enclosure, Add</i>	919.81 113.31	98.66
22 11 19 00-0379	EA		27" Length x 13" Width x 23" Height, Flip-Top, Insulated Fiberglass Valve Enclosure ..... <i>For Heated Enclosure, Add</i>	1,131.16 145.01	98.66
22 11 19 00-0380	EA		27" Length x 13" Width x 35" Height, Flip-Top, Insulated Fiberglass Valve Enclosure ..... <i>For Heated Enclosure, Add</i>	1,434.27 192.43	90.86
22 11 19 00-0381	EA		33" Length x 21" Width x 25" Height, Flip-Top, Insulated Fiberglass Valve Enclosure ..... <i>For Heated Enclosure, Add</i>	1,490.26 193.25	121.15
22 11 19 00-0382	EA		39" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure ..... <i>For Heated Enclosure, Add</i>	1,561.94 204.00	121.15
22 11 19 00-0383	EA		47" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure ..... <i>For Heated Enclosure, Add</i>	1,841.30 245.91	121.15
22 11 19 00-0384	EA		39" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure ..... <i>For Heated Enclosure, Add</i>	1,848.65 247.01	121.15

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0385	EA		47" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure <i>For Heated Enclosure, Add</i>	2,324.66 318.41	121.15
22 11 19 00-0386	EA		70" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure <i>For Heated Enclosure, Add</i>	5,355.19 757.85	181.71
22 11 19 00-0387	EA		83" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure <i>For Heated Enclosure, Add</i>	7,757.30 1,118.17	181.71
22 11 19 00-0388	EA		70" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure <i>For Heated Enclosure, Add</i>	7,371.35 1,060.27	181.71
22 11 19 00-0389	EA		83" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure <i>For Heated Enclosure, Add</i>	8,875.59 1,278.34	212.01
<b>22 11 19 00-0390</b>			<b>One-Piece Drop Over, Insulated Fiberglass Valve Enclosures</b> (22 11 19 00-0376) Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
22 11 19 00-0391	EA		20" Length x 6-1/2" Width x 22" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure <i>For Heated Enclosure, Add</i>	503.32 91.89	26.31
22 11 19 00-0392	EA		27" Length x 14" Width x 26" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure <i>For Heated Enclosure, Add</i>	698.14 130.86	26.31
22 11 19 00-0393	EA		38-1/2" Length x 12" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure <i>For Heated Enclosure, Add</i>	874.78 166.88	24.23
22 11 19 00-0394	EA		47" Length x 13" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure <i>For Heated Enclosure, Add</i>	1,319.54 255.83	24.23
22 11 19 00-0395	EA		70" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure <i>For Heated Enclosure, Add</i>	3,413.31 667.52	45.43
22 11 19 00-0396	EA		83" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure <i>For Heated Enclosure, Add</i>	4,657.55 916.37	45.43
22 11 19 00-0397	EA		45" Length x 35" Width x 35" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure <i>For Heated Enclosure, Add</i>	3,104.55 605.77	45.43
22 11 19 00-0398	EA		53" Length x 44" Width x 44" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure <i>For Heated Enclosure, Add</i>	3,512.56 687.37	45.43
22 11 19 00-0399	EA		61" Length x 52" Width x 50" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure <i>For Heated Enclosure, Add</i>	5,491.95 1,083.25	45.43
<b>22 11 19 00-0400</b>			<b>Sectional, Insulated Aluminum Valve Enclosures</b> (22 11 19 00-0376) Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
22 11 19 00-0401	EA		70" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	6,967.30 995.76 667.73 1,194.88	197.33
22 11 19 00-0402	EA		83" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	7,678.56 1,102.45 667.73 1,194.88	197.33
22 11 19 00-0403	EA		53" Length x 33" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	5,441.57 770.81 667.73 1,194.88	181.71
22 11 19 00-0404	EA		53" Length x 44" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	5,967.21 849.65 667.73 1,194.88	181.71
22 11 19 00-0405	EA		90" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	6,944.83 981.15 667.73 1,194.88	242.29
22 11 19 00-0406	EA		102" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	7,786.58 1,107.41 667.73 1,194.88	242.29
22 11 19 00-0407	EA		90" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	7,786.58 1,107.41 667.73 1,194.88	242.29
22 11 19 00-0408	EA		102" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	8,602.60 1,229.82 667.73 1,194.88	242.29
22 11 19 00-0409	EA		62" Length x 39" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	6,460.62 916.09 667.73 1,194.88	212.01
22 11 19 00-0410	EA		62" Length x 53" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	7,564.20 1,074.06 667.73 1,194.88	242.29
22 11 19 00-0411	EA		105" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	8,837.85 1,265.10 667.73 1,194.88	242.29
22 11 19 00-0412	EA		125" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	9,701.16 1,390.82 667.73 1,194.88	257.43
22 11 19 00-0413	EA		105" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	9,949.37 1,422.52 667.73 1,194.88	279.54

**22 Plumbing****22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0414	EA		125" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	11,028.04 1,580.21 667.73 1,194.88	295.99
22 11 19 00-0415	EA		105" Length x 36" Width x 80" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	11,409.89 1,643.34 667.73 1,194.88	272.58
22 11 19 00-0416	EA		72" Length x 45" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	8,286.49 1,182.40 667.73 1,194.88	242.29
22 11 19 00-0417	EA		72" Length x 45" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	8,832.34 1,264.28 667.73 1,194.88	242.29
22 11 19 00-0418	EA		72" Length x 65" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	9,993.39 1,434.65 667.73 1,194.88	257.43
22 11 19 00-0419	EA		72" Length x 65" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	12,110.13 1,748.38 667.73 1,194.88	272.58
22 11 19 00-0420	EA		112" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	10,568.14 1,517.08 667.73 1,194.88	121.15
22 11 19 00-0421	EA		142" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	12,697.77 1,832.73 667.73 1,194.88	121.15
22 11 19 00-0422	EA		118" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	12,276.89 1,769.60 667.73 1,194.88	181.71
22 11 19 00-0423	EA		142" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	14,244.27 2,057.14 667.73 1,194.88	181.71
22 11 19 00-0424	EA		142" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	13,143.87 1,895.87 667.73 1,194.88	181.71
22 11 19 00-0425	EA		172" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	15,361.21 2,220.89 667.73 1,194.88	212.01
22 11 19 00-0426	EA		142" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	15,411.68 2,220.89 667.73 1,194.88	181.71
22 11 19 00-0427	EA		172" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	18,283.31 2,644.07 667.73 1,194.88	181.71
22 11 19 00-0428			<b>Faucets (Hose Bibbs)</b> <small>(22 11 19)</small>		
22 11 19 00-0429			<b>Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends</b> <small>(22 11 19 00-0428)</small>		
22 11 19 00-0430	EA		1/2", 125 LB Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends .....	58.86	10.96
22 11 19 00-0431	EA		3/4", 125 LB Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends .....	68.07	12.06
22 11 19 00-0432	EA		3/4" Screwed Ends Vacuum Breaker (Mueller 108-904NL) .....	17.00	8.22
22 11 19 00-0433			<b>Chrome Plated Brass Hose Valves, Screwed Ends</b> <small>(22 11 19 00-0428)</small>		
22 11 19 00-0434	EA		3/4" Hose Valve With Screwed Ends (Chicago Faucets #387-CP) .....	210.65	33.54
22 11 19 00-0435			<b>Antisiphon Freezeless Wall Faucet (Woodford 19CP)</b> <small>(22 11 19 00-0428)</small>		
22 11 19 00-0436	EA		4" Long, 1/2" Antisiphon Freezeless Wall Faucet .....	127.95	27.41
22 11 19 00-0437	EA		6" Long, 1/2" Antisiphon Freezeless Wall Faucet .....	138.81	30.37
22 11 19 00-0438	EA		8" Long, 1/2" Antisiphon Freezeless Wall Faucet .....	146.91	32.12
22 11 19 00-0439	EA		10" Long, 1/2" Antisiphon Freezeless Wall Faucet .....	155.02	34.42
22 11 19 00-0440	EA		12" Long, 1/2" Antisiphon Freezeless Wall Faucet .....	163.23	36.50
22 11 19 00-0441			<b>Escutcheons</b> <small>(22 11 19)</small>		
22 11 19 00-0442			<b>Brass Escutcheons</b> <small>(22 11 19 00-0441)</small>		
22 11 19 00-0443			<b>Shallow Brass Escutcheons</b> <small>(22 11 19 00-0442)</small>		
22 11 19 00-0444	EA		3/8" IPS, Antique Or Polished Brass Shallow Escutcheon .....	11.85	2.74
22 11 19 00-0445	EA		1/2" IPS, Antique Or Polished Brass Shallow Escutcheon .....	12.72	2.74
22 11 19 00-0446			<b>Deep Bell Brass Escutcheons</b> <small>(22 11 19 00-0442)</small>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 11 19 00-0447	EA		3/8" IPS, Antique Or Polished Deep Bell Brass Escutcheon.....	13.87	3.07
22 11 19 00-0448	EA		1/2" IPS, Antique Or Polished Deep Bell Brass Escutcheon.....	13.89	3.07
<b>22 11 19 00-0449</b>			<b>Chrome Plated Brass Escutcheons With Setscrew</b> (22 11 19 00-0442)		
22 11 19 00-0450	EA		3/8" IPS, Chrome Plated Brass Escutcheon With Setscrew .....	20.81	2.74
22 11 19 00-0451	EA		1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew .....	21.03	2.74
22 11 19 00-0452	EA		5/8" IPS, Chrome Plated Brass Escutcheon With Setscrew .....	21.36	2.74
22 11 19 00-0453	EA		3/4" IPS, Chrome Plated Brass Escutcheon With Setscrew .....	22.54	2.74
22 11 19 00-0454	EA		7/8" IPS, Chrome Plated Brass Escutcheon With Setscrew .....	22.90	3.28
22 11 19 00-0455	EA		1" IPS, Chrome Plated Brass Escutcheon With Setscrew .....	24.04	3.28
22 11 19 00-0456	EA		1-1/4" IPS, Chrome Plated Brass Escutcheon With Setscrew .....	24.91	3.62
22 11 19 00-0457	EA		1-1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew .....	26.00	3.84
22 11 19 00-0458	EA		2" IPS, Chrome Plated Brass Escutcheon With Setscrew .....	37.40	4.38
<b>22 11 19 00-0459</b>			<b>Plastic Escutcheons</b> (22 11 19 00-0441)		
<b>22 11 19 00-0460</b>			<b>Split-Ring White Plastic Escutcheons</b> (22 11 19 00-0459)		
22 11 19 00-0461	EA		3/8" IPS, Split-Ring White Plastic Escutcheon.....	6.44	2.72
22 11 19 00-0462	EA		1/2" IPS, Split-Ring White Plastic Escutcheon.....	6.44	2.72
22 11 19 00-0463	EA		3/4" IPS, Split-Ring White Plastic Escutcheon.....	7.44	3.05
22 11 19 00-0464	EA		1" IPS, Split-Ring White Plastic Escutcheon.....	8.07	3.28
22 11 19 00-0465	EA		1-1/4" IPS, Split-Ring White Plastic Escutcheon.....	8.69	3.60
22 11 19 00-0466	EA		1-1/2" IPS, Split-Ring White Plastic Escutcheon.....	9.31	3.82
22 11 19 00-0467	EA		2" IPS, Split-Ring White Plastic Escutcheon.....	10.51	4.36
22 11 19 00-0468	EA		2-1/2" IPS, Split-Ring White Plastic Escutcheon.....	13.10	4.69
22 11 19 00-0469	EA		3" IPS, Split-Ring White Plastic Escutcheon.....	15.72	4.90
22 11 19 00-0470	EA		4" IPS, Split-Ring White Plastic Escutcheon.....	18.85	5.46
<b>22 11 19 00-0471</b>			<b>Chrome Plate Plastic Escutcheons</b> (22 11 19 00-0459)		
22 11 19 00-0472	EA		1/2" IPS, Chrome Plate Plastic Escutcheon.....	8.12	2.72
22 11 19 00-0473	EA		3/4" IPS, Chrome Plate Plastic Escutcheon.....	8.88	3.05
22 11 19 00-0474	EA		1" IPS, Chrome Plate Plastic Escutcheon.....	9.92	3.28
22 11 19 00-0475	EA		1-1/4" IPS, Chrome Plate Plastic Escutcheon .....	10.97	3.60
22 11 19 00-0476	EA		1-1/2" IPS, Chrome Plate Plastic Escutcheon .....	11.60	3.82
22 11 19 00-0477	EA		2" IPS, Chrome Plate Plastic Escutcheon.....	14.41	4.36
22 11 19 00-0478	EA		2-1/2" IPS, Chrome Plate Plastic Escutcheon .....	20.13	4.69
22 11 19 00-0479	EA		3" IPS, Chrome Plate Plastic Escutcheon.....	20.91	4.90
22 11 19 00-0480	EA		4" IPS, Chrome Plate Plastic Escutcheon.....	22.42	5.46
<b>22 11 19 00-0481</b>			<b>Stainless Steel Escutcheons</b> (22 11 19 00-0441)		
<b>22 11 19 00-0482</b>			<b>Shallow Stainless Steel Escutcheons</b> (22 11 19 00-0481)		
22 11 19 00-0483	EA		3/8" IPS, Shallow Stainless Steel Escutcheon.....	15.86	2.74
22 11 19 00-0484	EA		1/2" IPS, Shallow Stainless Steel Escutcheon.....	15.86	2.74
22 11 19 00-0485	EA		3/4" IPS, Shallow Stainless Steel Escutcheon.....	22.31	3.07
<b>22 11 19 00-0486</b>			<b>Chrome Plated Steel Escutcheons</b> (22 11 19 00-0441)		
<b>22 11 19 00-0487</b>			<b>Split-Ring Chrome Plated Steel Escutcheons</b> (22 11 19 00-0486)		
22 11 19 00-0488	EA		1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	6.13	2.72
22 11 19 00-0489	EA		3/4" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	6.67	3.05
22 11 19 00-0490	EA		1" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	7.34	3.28
22 11 19 00-0491	EA		1-1/4" IPS, Split-Ring Chrome Plated Steel Escutcheon .....	7.88	3.60
22 11 19 00-0492	EA		1-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon .....	8.44	3.82
22 11 19 00-0493	EA		2" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	9.71	4.36
22 11 19 00-0494	EA		2-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon .....	14.75	4.69
22 11 19 00-0495	EA		3" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	15.68	4.90
22 11 19 00-0496	EA		3-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon .....	19.36	5.23
22 11 19 00-0497	EA		4" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	17.08	5.46
22 11 19 00-0498	EA		5" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	22.10	6.00
22 11 19 00-0499	EA		6" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	25.79	6.54
<b>22 11 19 00-0500</b>			<b>Split-Ring/Springs Chrome Plated Steel Escutcheons</b> (22 11 19 00-0486)		
22 11 19 00-0501	EA		3/8" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon .....	9.90	2.72
22 11 19 00-0502	EA		1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon .....	9.90	2.72
22 11 19 00-0503	EA		3/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon .....	10.58	3.05
22 11 19 00-0504	EA		1" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon .....	10.83	3.28
22 11 19 00-0505	EA		1-1/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon .....	12.64	3.60
22 11 19 00-0506	EA		1-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon .....	13.38	3.82
22 11 19 00-0507	EA		2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon .....	15.87	4.36
22 11 19 00-0508	EA		2-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon .....	18.27	4.69
22 11 19 00-0509	EA		3" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon .....	22.38	4.90
22 11 19 00-0510	EA		3-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon .....	27.55	5.23
22 11 19 00-0511	EA		4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon .....	27.95	5.46
22 11 19 00-0512	EA		5" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon .....	46.33	6.00
22 11 19 00-0513	EA		6" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon .....	48.34	6.54
<b>22 11 19 00-0514</b>			<b>Deep Bell Chrome Plated Steel Escutcheons</b> (22 11 19 00-0486)		

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 11 Facility Water Distribution**

MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

22 11 19 00-0515	EA	3/8" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	7.50	3.07
22 11 19 00-0516	EA	1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	7.40	3.07
22 11 19 00-0517	EA	3/4" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	7.16	3.07
22 11 19 00-0518	EA	1" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	7.98	3.28
22 11 19 00-0519	EA	1-1/4" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	8.66	3.62
22 11 19 00-0520	EA	1-1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	9.55	3.84
<b>22 11 19 00-0521 Shallow Chrome Plated Steel Escutcheons (22 11 19 00-0486)</b>				
22 11 19 00-0522	EA	3/8" IPS, Shallow Chrome Plated Steel Escutcheon.....	6.73	2.74
22 11 19 00-0523	EA	1/2" IPS, Shallow Chrome Plated Steel Escutcheon.....	6.73	2.74
22 11 19 00-0524	EA	3/4" IPS, Shallow Chrome Plated Steel Escutcheon.....	6.83	2.74
22 11 19 00-0525	EA	1" IPS, Shallow Chrome Plated Steel Escutcheon.....	7.32	3.28
22 11 19 00-0526	EA	1-1/4" IPS, Shallow Chrome Plated Steel Escutcheon.....	7.92	3.62
22 11 19 00-0527	EA	1-1/2" IPS, Shallow Chrome Plated Steel Escutcheon.....	8.79	3.84
22 11 19 00-0528	EA	2" IPS, Shallow Chrome Plated Steel Escutcheon.....	9.96	4.38
<b>22 11 19 00-0529 Keyed, Recessed Valve Boxes (22 11 19)</b>				
22 11 19 00-0530	EA	8" x 8" x 4" Painted Steel, Keyed, Recessed Valve Box.....	214.95	32.70
22 11 19 00-0531	EA	8" x 8" x 6" Painted Steel, Keyed, Recessed Valve Box.....	236.32	32.70
22 11 19 00-0532	EA	8" x 8" x 8" Painted Steel, Keyed, Recessed Valve Box.....	268.37	32.70
22 11 19 00-0533	EA	12" x 12" x 4" Painted Steel, Keyed, Recessed Valve Box.....	268.80	43.60
22 11 19 00-0534	EA	12" x 12" x 6" Painted Steel, Keyed, Recessed Valve Box.....	300.85	43.60
22 11 19 00-0535	EA	12" x 12" x 8" Painted Steel, Keyed, Recessed Valve Box.....	310.46	43.60
22 11 19 00-0536	EA	8" x 8" x 4" Stainless Steel, Keyed, Recessed Valve Box.....	249.14	32.70
22 11 19 00-0537	EA	8" x 8" x 6" Stainless Steel, Keyed, Recessed Valve Box.....	296.14	32.70
22 11 19 00-0538	EA	8" x 8" x 8" Stainless Steel, Keyed, Recessed Valve Box.....	337.81	32.70
22 11 19 00-0539	EA	12" x 12" x 4" Stainless Steel, Keyed, Recessed Valve Box.....	328.63	43.60
22 11 19 00-0540	EA	12" x 12" x 6" Stainless Steel, Keyed, Recessed Valve Box.....	370.29	43.60
22 11 19 00-0541	EA	12" x 12" x 8" Stainless Steel, Keyed, Recessed Valve Box.....	386.31	43.60
<b>22 11 23 Domestic Water Pumps (22 11)</b>				
<b>22 11 23 13 Domestic Water Packaged Booster Pumps (22 11 23)</b>				
Note: Includes motor starter and controls.				
<b>22 11 23 13-0001 Simplex Domestic Water Packaged Booster Pumps And Tank (22 11 23 13)</b>				
22 11 23 13-0002	EA	1 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	11,763.42	323.06
22 11 23 13-0003	EA	1.5 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	12,208.32	434.11
22 11 23 13-0004	EA	2 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	12,736.84	545.15
22 11 23 13-0005	EA	3 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	13,223.54	656.20
22 11 23 13-0006	EA	5 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	14,630.20	767.25
22 11 23 13-0007	EA	7.5 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	16,245.95	878.30
22 11 23 13-0008	EA	10 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	17,359.89	989.36
<b>22 11 23 13-0009 Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator (22 11 23 13)</b>				
22 11 23 13-0010	EA	100 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	31,583.91	1,309.38
22 11 23 13-0011	EA	200 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	38,079.72	1,391.21
22 11 23 13-0012	EA	300 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	44,602.19	1,473.05
<b>22 11 23 13-0013 Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator (22 11 23 13)</b>				
22 11 23 13-0014	EA	200 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	41,644.54	1,391.21
22 11 23 13-0015	EA	300 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	51,902.74	1,473.05
22 11 23 13-0016	EA	500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	64,551.45	1,636.72
22 11 23 13-0017	EA	750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	81,834.96	1,800.39
22 11 23 13-0018	EA	1,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	99,118.47	1,964.06
22 11 23 13-0019	EA	1,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	115,486.93	2,209.57
22 11 23 13-0020	EA	2,500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	131,855.41	2,455.08
22 11 23 13-0021	EA	3,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	148,223.87	2,700.59
22 11 23 13-0022	EA	5,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	164,796.94	3,027.92
<b>22 11 23 13-0023 Variable Speed Duplex Domestic Water Pressure Booster Skid (22 11 23 13)</b>				
Note: AB1953 compliant, UL listed and labeled. Includes stainless steel headers with check, isolation, thermal relief valves, and start up support. The standard control package is integrated in a NEMA 1 enclosure and is outfitted with an individual VFD's which are controlled through a HOA and internally programmed PID logic for system control.				
22 11 23 13-0024	EA	40 GPM At 40 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-1).....	34,210.93	1,455.06
22 11 23 13-0025	EA	40 GPM At 80 To 120 PSI, 80 GPM At 50 To 90 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-2).....	35,780.40	1,455.06
22 11 23 13-0026	EA	80 GPM At 80 PSI, 120 GPM At 40 To 90 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-3).....	38,023.00	1,455.06
22 11 23 13-0027	EA	80 GPM At 130 To 150 PSI, 120 GPM At 100 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-4).....	41,255.68	1,455.06
22 11 23 13-0028	EA	160 GPM At 40 To 50 PSI, 200 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-5).....	38,937.10	1,546.01
22 11 23 13-0029	EA	160 GPM At 60 To 80 PSI, 200 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-6).....	41,759.09	1,546.01
22 11 23 13-0030	EA	160 GPM At 90 To 110 PSI, 200 GPM At 80 To 100 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-7).....	45,591.61	1,546.01



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 23 13-0031	EA		160 To 200 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-8).....	48,706.71	1,546.01
22 11 23 13-0032	EA		240 To 280 GPM At 40 To 50 PSI , NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-9).....	42,547.09	1,636.95
22 11 23 13-0033	EA		280 To 320 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-10).....	45,333.29	1,636.95
22 11 23 13-0034	EA		240 To 320 GPM At 90 To 120 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-11).....	51,563.48	1,636.95
22 11 23 13-0035	EA		240 To 320 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-12).....	62,019.84	1,636.95
22 11 23 13-0036	EA		360 To 400 GPM At 40 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-13).....	44,941.35	1,636.95
22 11 23 13-0037	EA		360 To 400 GPM At 50 To 80 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-14).....	50,624.52	1,636.95
22 11 23 13-0038	EA		360 To 400 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-15).....	63,134.32	1,636.95
22 11 23 13-0039	EA		360 To 400 GPM At 120 To 140 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-16).....	62,773.05	1,636.95
22 11 23 13-0040	EA		440 To 480 GPM At 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-17).....	74,873.58	1,818.83
22 11 23 13-0041	EA		440 To 480 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-18).....	51,442.21	1,818.83
22 11 23 13-0042	EA		440 To 480 GPM At 60 To 90 PSI, 520 To 600 GPM At 40 To 80 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-19).....	62,834.12	1,818.83
22 11 23 13-0043	EA		440 To 480 GPM At 100 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-20).....	62,474.55	1,818.83
22 11 23 13-0044	EA		440 To 600 GPM At 100 To 120 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-21).....	75,432.53	1,818.83
22 11 23 13-0045	EA		440 To 600 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-22).....	91,282.36	1,818.83
22 11 23 13-0046	EA		60 GPM At 40 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-1).....	43,263.11	1,455.06
<b>22 11 23 13-0047</b>			<b>Variable Speed Triplex Domestic Water Pressure Booster Skid</b> <small>(22 11 23 13)</small> Note: AB1953 compliant, UL listed and labeled. Includes stainless steel headers with check, isolation, thermal relief valves, and start up support. The standard control package is integrated in a NEMA 1 enclosure and is outfitted with an individual VFD's which are controlled through a HOA and internally programmed PID logic for system control.		
22 11 23 13-0048	EA		60 GPM At 80 To 130 PSI, 120 GPM At 50 To 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-2).....	43,263.11	1,455.06
22 11 23 13-0049	EA		120 GPM At 100 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-3).....	48,406.08	1,455.06
22 11 23 13-0050	EA		60 GPM At 140 To 150 PSI, 120 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-4).....	52,843.56	1,455.06
22 11 23 13-0051	EA		180 GPM At 40 To 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-5).....	48,633.43	1,546.01
22 11 23 13-0052	EA		180 GPM At 100 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-6).....	53,040.23	1,546.01
22 11 23 13-0053	EA		240 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-7).....	49,662.71	1,546.01
22 11 23 13-0054	EA		240 GPM At 60 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-8).....	53,450.92	1,546.01
22 11 23 13-0055	EA		240 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-9).....	58,660.36	1,546.01
22 11 23 13-0056	EA		240 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-10).....	62,978.54	1,546.01
22 11 23 13-0057	EA		300 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-11).....	50,138.86	1,636.95
22 11 23 13-0058	EA		300 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-12).....	53,927.07	1,636.95
22 11 23 13-0059	EA		300 GPM At 80 To 100 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-13).....	59,134.80	1,636.95
22 11 23 13-0060	EA		300 GPM At 110 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-14).....	63,452.99	1,636.95
22 11 23 13-0061	EA		360 GPM At 40 To 60 PSI, 420 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-15).....	54,399.11	1,636.95
22 11 23 13-0062	EA		360 GPM At 70 To 80 PSI, 420 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-16).....	58,037.36	1,636.95
22 11 23 13-0063	EA		360 GPM At 90 To 130 PSI, 420 GPM At 80 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-17).....	67,026.49	1,636.95
22 11 23 13-0064	EA		360 GPM At 140 To 150 PSI, 420 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-18).....	81,695.38	1,636.95
22 11 23 13-0065	EA		480 GPM At 40 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-19).....	55,596.80	1,818.83
22 11 23 13-0066	EA		480 GPM At 50 To 70 PSI, 520 To 600 GPM At 40 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-20).....	59,236.76	1,818.83
22 11 23 13-0067	EA		480 GPM At 80 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-21).....	68,225.89	1,818.83
22 11 23 13-0068	EA		480 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-22).....	82,893.08	1,818.83
22 11 23 13-0069	EA		540 GPM At 40 PSI, 600 GPM At 40 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-23).....	58,647.14	1,818.83
22 11 23 13-0070	EA		540 GPM At 50 To 90 PSI, 600 GPM At 50 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-24).....	66,816.60	1,818.83
22 11 23 13-0071	EA		540 GPM At 100 To 110 PSI, 600 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-25).....	84,563.10	1,818.83
22 11 23 13-0072	EA		540 GPM At 120 To 130 PSI, 600 GPM At 120 To 130 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-26).....	86,282.53	1,818.83

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 11 23 13-0073	EA		540 GPM At 140 To 150 PSI, 600 GPM At 140 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-27) .....	106,883.40	1,818.83
22 11 23 13-0074	EA		660 GPM At 40 To 50 PSI, 720 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-28) .....	66,466.69	2,182.60
22 11 23 13-0075	EA		660 GPM At 60 To 90 PSI, 720,780,840,900 GPM At 60 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-29) .....	79,930.78	2,182.60
22 11 23 13-0076	EA		660, 720, 780 GPM At 100 PSI, 840 To 900 GPM At 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-30) .....	85,036.27	2,182.60
22 11 23 13-0077	EA		660, 720, 780, 840, 900 GPM At 110 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-31) .....	102,549.30	2,182.60
22 11 23 13-0078	EA		660, 720, 780, 840, 900 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-32) .....	127,055.96	2,182.60

### 22 11 23 23 Domestic-Water In-Line Pumps (22 11 23)

#### 22 11 23 23-0001 Bronze In-Line Centrifugal Domestic Water Booster Pumps (22 11 23 23)

Note: ODP motor.

22 11 23 23-0002	EA		1/12 HP, 3/4" To 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL30B) .....	1,125.62	181.71
22 11 23 23-0003	EA		1/6 HP, 3/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL36B) .....	1,157.69	181.71
22 11 23 23-0004	EA		1/6 HP, 1" To 1-1/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL45B) .....	1,213.63	185.25
22 11 23 23-0005	EA		1/6 HP, 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL50B) .....	1,342.25	192.82
22 11 23 23-0006	EA		1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL75B) .....	2,467.25	200.00
22 11 23 23-0007	EA		1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2AB) .....	2,637.50	200.00
22 11 23 23-0008	EA		1/4 HP, 2-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2AB) .....	3,975.09	220.21
22 11 23 23-0009	EA		1/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G LD3 AB) .....	4,140.06	241.93
22 11 23 23-0010	EA		1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G HD3 AB) .....	5,023.63	266.17
22 11 23 23-0011	EA		1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB35S) .....	5,125.73	292.93
22 11 23 23-0012	EA		3/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB37S) .....	5,604.90	321.72
22 11 23 23-0013	EA		1 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB38S) .....	8,077.28	354.05
22 11 23 23-0014	EA		1-1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB40S) .....	9,320.00	371.22

#### 22 11 23 23-0015 Cast Iron In-Line Centrifugal Domestic Water Booster Pumps (22 11 23 23)

Note: ODP motor.

22 11 23 23-0016	EA		1/12 HP, 3/4" To 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL30) .....	1,175.53	181.71
22 11 23 23-0017	EA		1/6 HP, 3/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL36) .....	2,018.20	181.71
22 11 23 23-0018	EA		1/6 HP, 1" To 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45) .....	2,025.50	185.25
22 11 23 23-0019	EA		1/6 HP, 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45) .....	2,060.19	189.29
22 11 23 23-0020	EA		1/6 HP, 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL50) .....	2,067.25	192.82
22 11 23 23-0021	EA		1/6 HP, 2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL75) .....	2,104.75	200.00
22 11 23 23-0022	EA		1/4 HP, 2-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2) .....	2,583.00	220.21
22 11 23 23-0023	EA		1/3 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G HD30) .....	3,340.12	266.17
22 11 23 23-0024	EA		1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD35S) .....	3,513.73	292.93
22 11 23 23-0025	EA		3/4 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD37S) .....	4,110.08	321.72
22 11 23 23-0026	EA		1 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD38S) .....	5,580.87	354.05
22 11 23 23-0027	EA		1-1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD40S) .....	6,542.76	371.22
22 11 23 23-0028	EA		2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF) .....	5,849.80	389.91
22 11 23 23-0029	EA		3 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF) .....	6,284.30	428.60
22 11 23 23-0030	EA		5 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF) .....	6,904.09	454.55
22 11 23 23-0031	EA		7-1/2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF) .....	8,785.95	505.06
22 11 23 23-0032	EA		10 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF) .....	9,289.29	606.17
22 11 23 23-0033	EA		15 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF) .....	11,877.48	707.39

### 22 12 Facility Potable-Water Storage Tanks (22 10)

#### 22 12 19 Facility Ground-Mounted, Potable-Water Storage Tanks (22 12)

##### 22 12 19 00-0001 Steel, Horizontal, Ground-Mounted Water Tanks (22 12 19)

22 12 19 00-0002	EA		5,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank .....	37,413.51	8,931.68
22 12 19 00-0003	EA		10,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank .....	42,393.28	8,931.68
22 12 19 00-0004	EA		20,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank .....	76,257.90	13,783.48
22 12 19 00-0005	EA		35,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank .....	98,434.80	17,863.34

##### 22 12 19 00-0006 Galvanized Steel, Flat Bottom, Vertical Storage Tanks (22 12 19)

22 12 19 00-0007	EA		5,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank .....	44,790.94	8,931.68
22 12 19 00-0008	EA		10,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank .....	62,127.88	8,931.68
22 12 19 00-0009	EA		20,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank .....	92,648.38	13,783.48
22 12 19 00-0010	EA		35,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank .....	133,136.30	17,863.34

#### 22 12 23 Facility Indoor Potable-Water Storage Tanks (22 12)

##### 22 12 23 13 Facility Steel, Indoor Potable-Water Storage Pressure Tanks (22 12 23)

##### 22 12 23 13-0001 Insulated Glass Lined Storage Tank (A.O. Smith TJ, TJV And TJH) (22 12 23 13)

22 12 23 13-0002	EA		80 Gallon ASME Rated Tank, 150PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJ-80A) .....	2,563.33	403.82
22 12 23 13-0003	EA		119 Gallon 150 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-120M) .....	3,174.48	504.77
22 12 23 13-0004	EA		140 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-140A) .....	5,953.59	555.25
22 12 23 13-0005	EA		200 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-200A) .....	6,586.09	605.72
22 12 23 13-0006	EA		250 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-250A) .....	13,219.92	656.20

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 12 23 13-0007	EA		350 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-350A).....	11,355.74	706.68
22 12 23 13-0008	EA		400 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-400A).....	19,607.59	757.16
22 12 23 13-0009	EA		500 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-500A).....	18,041.48	807.63
22 12 23 13-0010	EA		750 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-750A).....	19,604.20	858.11
22 12 23 13-0011	EA		1,000 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-1000A).....	23,386.72	908.59

**22 12 23 13-0012 Uninsulated Glass Lined Storage Tank (A.O. Smith T) (22 12 23 13)**

22 12 23 13-0013	EA		80 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-80S).....	2,178.99	403.82
22 12 23 13-0014	EA		120 Gallon 150 PSA, Uninsulated, Glass Lined Water Storage Tank (T-120S).....	4,256.99	504.77
22 12 23 13-0015	EA		140 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-140A).....	5,342.34	555.25
22 12 23 13-0016	EA		200 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200S).....	6,623.92	605.72
22 12 23 13-0017	EA		200 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200A).....	5,602.69	605.72
22 12 23 13-0018	EA		250 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-250A).....	8,735.24	656.20
22 12 23 13-0019	EA		325 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-325A).....	9,454.78	706.68
22 12 23 13-0020	EA		350 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350S).....	8,990.85	706.68
22 12 23 13-0021	EA		350 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350A).....	8,188.32	706.68
22 12 23 13-0022	EA		400 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-400A).....	11,256.81	757.16
22 12 23 13-0023	EA		500 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-500A).....	12,214.99	807.63
22 12 23 13-0024	EA		750 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-750A).....	14,201.51	858.11
22 12 23 13-0025	EA		1,000 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-1000A).....	26,823.04	908.59

**22 12 23 26 Facility Plastic, Indoor Potable-Water Storage Non-Pressure Tanks (22 12 23)**

**22 12 23 26-0001 Horizontal Non-Pressurized Polyethylene Tanks (22 12 23 26)**

Note: Excludes excavation and backfill.

22 12 23 26-0002	EA		100 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	629.06	227.15
			<i>For Saddle Assembly, Add</i>	698.93	
22 12 23 26-0003	EA		150 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	736.77	265.01
			<i>For Saddle Assembly, Add</i>	698.93	
22 12 23 26-0004	EA		200 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	873.10	302.86
			<i>For Saddle Assembly, Add</i>	796.22	
22 12 23 26-0005	EA		300 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	1,060.93	340.72
			<i>For Saddle Assembly, Add</i>	1,175.86	
22 12 23 26-0006	EA		335 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	1,269.75	378.58
			<i>For Two Tie Down Bands, Add</i>	403.61	
22 12 23 26-0007	EA		535 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	1,640.06	513.37
			<i>For Two Tie Down Bands, Add</i>	430.32	
22 12 23 26-0008	EA		1,035 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	2,435.72	598.92
			<i>For Three Tie Down Bands, Add</i>	731.32	
22 12 23 26-0009	EA		1,335 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	3,497.61	684.48
			<i>For Three Tie Down Bands, Add</i>	737.05	
22 12 23 26-0010	EA		1,635 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	4,357.61	770.04
			<i>For Four Tie Down Bands, Add</i>	998.00	
22 12 23 26-0011	EA		2,035 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	5,100.20	855.60
			<i>For Four Tie Down Bands, Add</i>	1,387.17	
22 12 23 26-0012	EA		2,635 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	7,264.22	941.17
			<i>For Four Tie Down Bands, Add</i>	1,814.50	
22 12 23 26-0013	EA		3,135 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	8,408.47	1,026.73
			<i>For Four Tie Down Bands, Add</i>	1,959.49	
22 12 23 26-0014	EA		4,035 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	12,068.05	1,368.97
			<i>For Four Tie Down Bands, Add</i>	2,211.31	
22 12 23 26-0015	EA		5,025 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	15,574.28	1,368.97
			<i>For Five Tie Down Bands, Add</i>	3,460.46	

**22 12 23 26-0016 Vertical Non-Pressurized Polyethylene Tanks (22 12 23 26)**

22 12 23 26-0017	EA		100 Gallon Vertical Non-Pressurized Polyethylene Tank.....	691.87	302.86
22 12 23 26-0018	EA		160 Gallon Vertical Non-Pressurized Polyethylene Tank.....	829.66	321.79
22 12 23 26-0019	EA		210 Gallon Vertical Non-Pressurized Polyethylene Tank.....	910.22	340.72
22 12 23 26-0020	EA		300 Gallon Vertical Non-Pressurized Polyethylene Tank.....	1,099.96	378.58
22 12 23 26-0021	EA		405 Gallon Vertical Non-Pressurized Polyethylene Tank.....	1,256.24	454.29
22 12 23 26-0022	EA		500 Gallon Vertical Non-Pressurized Polyethylene Tank.....	1,483.11	530.01
22 12 23 26-0023	EA		800 Gallon Vertical Non-Pressurized Polyethylene Tank.....	2,064.90	684.48
22 12 23 26-0024	EA		1,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	2,670.79	855.60
22 12 23 26-0025	EA		2,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	3,578.10	1,026.73
22 12 23 26-0026	EA		3,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	4,664.74	1,197.85
22 12 23 26-0027	EA		4,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	6,825.43	1,368.97
22 12 23 26-0028	EA		5,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	9,211.24	1,540.10
22 12 23 26-0029	EA		6,250 Gallon Vertical Non-Pressurized Polyethylene Tank.....	10,439.05	1,711.21
22 12 23 26-0030	EA		7,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	11,502.80	1,882.33
22 12 23 26-0031	EA		8,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	13,241.88	2,053.46
22 12 23 26-0032	EA		9,150 Gallon Vertical Non-Pressurized Polyethylene Tank.....	14,948.53	2,224.58
22 12 23 26-0033	EA		10,500 Gallon Vertical Non-Pressurized Polyethylene Tank.....	18,467.54	2,395.70
22 12 23 26-0034	EA		12,500 Gallon Vertical Non-Pressurized Polyethylene Tank.....	22,205.15	2,737.94

**22 13 Facility Sanitary Sewerage (22 10)**

**22 13 13 Facility Sanitary Sewers (22 13)**

MINOR	CSI	UOM	DESCRIPTION
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TOTAL DIRECT	DEMOLITION
UNIT COST	UNIT COST

22 13 13 00-0001	Fixture Rough-In <sup>(22 13 13)</sup>		
	Note: Excludes fixture. Not for use when individual component details are available, on remodeling work where partial pipe and fittings are installed or on residential projects. For use on commercial restrooms with multiple toilets, urinals and lavatories. Includes waste and vent pipe and fittings and domestic water supply pipe and fittings. Waste piping is included from fixture outlet tee to floor, vent piping is included from outlet tee within the wall to the ceiling and domestic water supply from ceiling to fixture and stub out with caps. Based on vertical floor to floor of 12'. Use detailed tasks (i.e. individual pipe and fittings, insulation, hangers, etc.) instead of rough-in assembly where possible. See CSI section 22 07 19 00-0000 for insulation, 22 11 16 00-0368 for copper pipe and fittings, 22 13 16 00-0000 for PVC or cast iron sanitary waste and vent pipe and fittings, 23 05 29 00-0000 for hangers.		
22 13 13 00-0002	Single Fixture Rough-In, Cast Iron Waste And Vent Pipe <sup>(22 13 13 00-0001)</sup>		
	Note: Single fixtures have one fixture to one pipe riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0003	EA Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe .....	1,161.47	
	Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.		
22 13 13 00-0004	EA Wall Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe .....	1,620.69	
	Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.		
22 13 13 00-0005	EA Tank Type Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe .....	1,042.92	
	Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0006	EA Wall Mounted Urinal, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	691.26	
	Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.		
22 13 13 00-0007	EA Wall Mounted Lavatory, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe .....	816.08	
	Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.		
22 13 13 00-0008	EA Countertop Kitchen Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe .....	1,020.46	
	Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0009	EA Bathtub, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	1,102.86	
	Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0010	EA Free Standing Water Cooler, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe .....	663.49	
	Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0011	EA Floor Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	1,042.92	
	Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0012	EA Wall Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe .....	1,061.60	
	Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.		
22 13 13 00-0013	EA Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	1,011.10	
	Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.		
22 13 13 00-0014	EA Bidet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	1,161.47	
	Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0015	EA Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe .....	1,827.95	
	Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0016	EA Bathtub/Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe .....	1,128.13	
	Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.		
22 13 13 00-0017	Double Fixture Rough-In, Cast Iron Waste And Vent Pipe <sup>(22 13 13 00-0001)</sup>		
	Note: Double fixtures have two "back-to-back" waste connections to one riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0018	EA Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	1,540.60	
	Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.		
22 13 13 00-0019	EA Wall Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe .....	2,171.81	
	Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.		
22 13 13 00-0020	EA Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	1,327.65	
	Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0021	EA Wall Mounted Urinal, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe .....	843.76	
	Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.		
22 13 13 00-0022	EA Wall Mounted Lavatory, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	1,104.08	
	Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.		
22 13 13 00-0023	EA Countertop Kitchen Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe .....	1,174.77	
	Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0024	EA Free Standing Water Cooler, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe .....	791.22	
	Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0025	EA Floor Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	1,337.72	
	Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0026	EA Wall Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	1,128.04	
	Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.		
22 13 13 00-0027	EA Shower, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe .....	1,102.83	
	Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower heads and faucets.		
22 13 13 00-0028	EA Bidet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe .....	1,540.60	
	Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucets.		
22 13 13 00-0029	Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe <sup>(22 13 13 00-0001)</sup>		
	Note: Gang fixtures include multiple fixtures to one pipe riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0030	EA Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe .....	769.83	
	Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.		
22 13 13 00-0031	EA Wall Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	1,085.90	
	Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture, carrier and flush valve.		
22 13 13 00-0032	EA Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe .....	664.32	
	Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture.		

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 13 13 00-0033	EA			Wall Mounted Urinal, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe..... Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture, carrier and flush valve.	422.39	
22 13 13 00-0034	EA			Wall Mounted Lavatory, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe ..... Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	552.06	
22 13 13 00-0035	EA			Countertop Kitchen Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe ..... Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	587.37	
22 13 13 00-0036	EA			Free Standing Water Cooler, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe ..... Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	420.84	
22 13 13 00-0037	EA			Rough-in Service Sink, Floor Mounted, Gang Mounted Fixture Including Cast Iron Waste Pipe And Vent And Copper Domestic Supply, Not Including Fixture Or Faucet ..... Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	668.36	
22 13 13 00-0038	EA			Wall Mounted Service Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe ..... Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	564.02	
22 13 13 00-0039	EA			Shower, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe ..... Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower heads and faucets.	551.90	
22 13 13 00-0040	EA			Bidet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe ..... Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	762.74	
<b>22 13 13 00-0041</b>				<b>Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe</b> <sup>(22 13 13 00-0001)</sup> Note: Single fixtures have one fixture to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0042	EA			Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Floor Mounted, Water Closet ..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	556.53	
22 13 13 00-0043	EA			Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Water Closet..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	609.48	
22 13 13 00-0044	EA			Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Tank Type, Floor Mounted, Water Closet ..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	529.23	
22 13 13 00-0045	EA			Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Urinal ..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	318.18	
22 13 13 00-0046	EA			Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Lavatory..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	372.87	
22 13 13 00-0047	EA			Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Countertop, Kitchen Sink..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	507.78	
22 13 13 00-0048	EA			Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Bathtub..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	513.64	
22 13 13 00-0049	EA			Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Free Standing, Water Cooler..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	315.10	
22 13 13 00-0050	EA			Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Floor Mounted, Service Sink ..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	529.23	
22 13 13 00-0051	EA			Wall Mounted Service Sink, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe ..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	562.88	
22 13 13 00-0052	EA			Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe ..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	518.61	
22 13 13 00-0053	EA			Bidet, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe ..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	556.41	
22 13 13 00-0054	EA			Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	858.95	
22 13 13 00-0055	EA			Bathtub/Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	535.72	
<b>22 13 13 00-0056</b>				<b>Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe</b> <sup>(22 13 00-0001)</sup> Note: Double fixtures have two "back-to-back" waste connections to one riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0057	EA			Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe ..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	675.89	
22 13 13 00-0058	EA			Wall Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe ..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	797.35	
22 13 13 00-0059	EA			Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe ..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures.	587.84	
22 13 13 00-0060	EA			Wall Mounted Urinal, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe ..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	353.14	
22 13 13 00-0061	EA			Wall Mounted Lavatory, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe ..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures, carrier and faucets.	520.33	
22 13 13 00-0062	EA			Countertop Kitchen Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe ..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures and faucets.	543.16	
22 13 13 00-0063	EA			Free Standing Water Cooler, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe ..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures.	344.38	

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 13 Facility Sanitary Sewerage**



MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

22 13 13 00-0064	EA	Floor Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....596.82 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	
22 13 13 00-0065	EA	Wall Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....578.11 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	
22 13 13 00-0066	EA	Shower, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....555.58 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	
22 13 13 00-0067	EA	Bidet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....675.89 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	

**22 13 13 00-0068 Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe** (22 13 13 00-0001)

Note: Gang fixtures include multiple fixtures to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.

22 13 13 00-0069	EA	Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....337.54 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	
22 13 13 00-0070	EA	Wall Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....398.18 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	
22 13 13 00-0071	EA	Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....294.21 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	
22 13 13 00-0072	EA	Wall Mounted Urinal, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....176.62 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	
22 13 13 00-0073	EA	Wall Mounted Lavatory, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....260.14 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	
22 13 13 00-0074	EA	Countertop Kitchen Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....271.33 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	
22 13 13 00-0075	EA	Free Standing Water Cooler, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....172.17 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	
22 13 13 00-0076	EA	Floor Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....298.31 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	
22 13 13 00-0077	EA	Wall Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....289.09 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	
22 13 13 00-0078	EA	Shower, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....278.23 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	
22 13 13 00-0079	EA	Bidet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....330.85 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	

**22 13 16 Sanitary Waste and Vent Piping** (22 13)

**22 13 16 00-0001 Cast Iron Soil Pipe Assemblies** (22 13 16)

**22 13 16 00-0002 Underground Bell And Spigot Cast Iron Soil Pipe Assemblies** (22 13 16 00-0001)

Note: Includes fittings and gaskets. Fittings are assumed every 10'. Excludes excavation, backfill and compaction. Not for use where detail is available.

22 13 16 00-0003	LF	2" Underground Bell And Spigot Cast Iron Soil Pipe Assembly .....37.65 Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	6.36
		<i>For Work In Restricted Working Space, Add</i>	4.67
22 13 16 00-0004	LF	3" Underground Bell And Spigot Cast Iron Soil Pipe Assembly .....54.19 Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	9.59
		<i>For Work In Restricted Working Space, Add</i>	6.33
22 13 16 00-0005	LF	4" Underground Bell And Spigot Cast Iron Soil Pipe Assembly .....70.39 Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	12.21
		<i>For Work In Restricted Working Space, Add</i>	8.14
22 13 16 00-0006	LF	5" Underground Bell And Spigot Cast Iron Soil Pipe Assembly .....83.52 Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	14.80
		<i>For Work In Restricted Working Space, Add</i>	8.33
22 13 16 00-0007	LF	6" Underground Bell And Spigot Cast Iron Soil Pipe Assembly .....98.74 Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	16.13
		<i>For Work In Restricted Working Space, Add</i>	9.25
22 13 16 00-0008	LF	8" Underground Bell And Spigot Cast Iron Soil Pipe Assembly .....158.79 Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	23.00
		<i>For Work In Restricted Working Space, Add</i>	13.02
22 13 16 00-0009	LF	10" Underground Bell And Spigot Cast Iron Soil Pipe Assembly .....238.41 Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	23.00
		<i>For Work In Restricted Working Space, Add</i>	14.74

**22 13 16 00-0010 Aboveground No Hub Cast Iron Soil Pipe Assemblies** (22 13 16 00-0001)

Note: Includes fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 13 16 00-0011	LF		1-1/2" Aboveground No Hub Cast Iron Soil Pipe Assembly ..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	30.38 5.32	6.06
	22 13 16 00-0012	LF		2" Aboveground No Hub Cast Iron Soil Pipe Assembly ..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	32.16 5.71	6.46
	22 13 16 00-0013	LF		3" Aboveground No Hub Cast Iron Soil Pipe Assembly ..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	41.18 7.01	9.39
	22 13 16 00-0014	LF		4" Aboveground No Hub Cast Iron Soil Pipe Assembly ..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	49.49 8.38	12.21
	22 13 16 00-0015	LF		5" Aboveground No Hub Cast Iron Soil Pipe Assembly ..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	65.83 9.85	14.52
	22 13 16 00-0016	LF		6" Aboveground No Hub Cast Iron Soil Pipe Assembly ..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	74.71 10.74	15.85
	22 13 16 00-0017	LF		8" Aboveground No Hub Cast Iron Soil Pipe Assembly ..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	118.32 14.84	22.81
	22 13 16 00-0018	LF		10" Aboveground No Hub Cast Iron Soil Pipe Assembly ..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 20'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	168.34 17.25	25.91
	22 13 16 00-0019			<b>Bell And Spigot Cast Iron Soil Pipe And Fittings</b> (22 13 16) Note: Service weight. ASTM A74 and CISPI 301 (Fitting Requirements).		
	22 13 16 00-0020			<b>Bell And Spigot Cast Iron Pipe</b> (22 13 16 00-0019) Note: Excludes excavation, hangers, gaskets, and fittings.		
	22 13 16 00-0021	LF		2" Bell And Spigot Cast Iron Pipe ..... <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	27.30 7.43 0.48 2.88	6.36
	22 13 16 00-0022	LF		3" Bell And Spigot Cast Iron Pipe ..... <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	39.78 10.65 0.72 4.33	9.59
	22 13 16 00-0023	LF		4" Bell And Spigot Cast Iron Pipe ..... <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	51.33 13.85 0.92 5.51	12.21
	22 13 16 00-0024	LF		5" Bell And Spigot Cast Iron Pipe ..... <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	68.68 19.55 1.11 6.64	14.80
	22 13 16 00-0025	LF		6" Bell And Spigot Cast Iron Pipe ..... <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	80.83 23.81 1.21 7.25	16.13
	22 13 16 00-0026	LF		8" Bell And Spigot Cast Iron Pipe ..... <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	122.65 37.02 1.73 10.35	23.00
	22 13 16 00-0027	LF		10" Bell And Spigot Cast Iron Pipe ..... <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	185.58 61.64 1.94 11.65	25.91
	22 13 16 00-0028	LF		12" Bell And Spigot Cast Iron Pipe ..... <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	264.94 89.54 2.59 15.53	34.55
	22 13 16 00-0029	LF		15" Bell And Spigot Cast Iron Pipe ..... <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	373.71 130.87 3.11 18.64	41.44
	22 13 16 00-0030			<b>Bell And Spigot Cast Iron Fittings</b> (22 13 16 00-0019)		
	22 13 16 00-0031			<b>Bell And Spigot Cast Iron Long Sweeps</b> (22 13 16 00-0030)		
	22 13 16 00-0032	EA		2" Bell And Spigot Cast Iron Long Sweep ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	114.46 24.86 2.17 13.03	28.97
	22 13 16 00-0033	EA		3" Bell And Spigot Cast Iron Long Sweep ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	198.70 50.45 2.73 16.37	36.44

**22 Plumbing****22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

22 13 16 00-0034	EA	4" Bell And Spigot Cast Iron Long Sweep	264.74	48.45
		<i>For Extra Heavy Fittings, Add</i>	67.24	
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.63	
		<i>For Work In Restricted Working Space, Add</i>	21.79	
22 13 16 00-0035	EA	6" Bell And Spigot Cast Iron Long Sweep	417.32	62.62
		<i>For Extra Heavy Fittings, Add</i>	113.21	
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.69	
		<i>For Work In Restricted Working Space, Add</i>	28.16	
22 13 16 00-0036	EA	8" Bell And Spigot Cast Iron Long Sweep	842.72	80.94
		<i>For Extra Heavy Fittings, Add</i>	252.49	
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.07	
		<i>For Work In Restricted Working Space, Add</i>	36.39	
22 13 16 00-0037	EA	10" Bell And Spigot Cast Iron Long Sweep	1,156.90	99.57
		<i>For Extra Heavy Fittings, Add</i>	352.66	
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.47	
		<i>For Work In Restricted Working Space, Add</i>	44.79	
22 13 16 00-0038	EA	12" Bell And Spigot Cast Iron Long Sweep	1,779.32	138.97
		<i>For Extra Heavy Fittings, Add</i>	549.83	
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.42	
		<i>For Work In Restricted Working Space, Add</i>	62.51	
22 13 16 00-0039	EA	15" Bell And Spigot Cast Iron Long Sweep	3,328.49	193.52
		<i>For Extra Heavy Fittings, Add</i>	1,063.43	
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	14.51	
		<i>For Work In Restricted Working Space, Add</i>	87.04	
<b>22 13 16 00-0040 Bell And Spigot Cast Iron Short Sweeps (22 13 16 00-0030)</b>				
22 13 16 00-0041	EA	2" Bell And Spigot Cast Iron Short Sweep	95.70	28.97
		<i>For Extra Heavy Fittings, Add</i>	18.30	
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.17	
		<i>For Work In Restricted Working Space, Add</i>	13.03	
22 13 16 00-0042	EA	3" Bell And Spigot Cast Iron Short Sweep	167.23	36.44
		<i>For Extra Heavy Fittings, Add</i>	39.43	
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.73	
		<i>For Work In Restricted Working Space, Add</i>	16.37	
22 13 16 00-0043	EA	4" Bell And Spigot Cast Iron Short Sweep	229.35	48.45
		<i>For Extra Heavy Fittings, Add</i>	54.85	
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.63	
		<i>For Work In Restricted Working Space, Add</i>	21.79	
22 13 16 00-0044	EA	5" Bell And Spigot Cast Iron Short Sweep	350.76	53.23
		<i>For Extra Heavy Fittings, Add</i>	94.84	
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.99	
		<i>For Work In Restricted Working Space, Add</i>	23.93	
22 13 16 00-0045	EA	6" Bell And Spigot Cast Iron Short Sweep	424.06	62.62
		<i>For Extra Heavy Fittings, Add</i>	115.57	
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.69	
		<i>For Work In Restricted Working Space, Add</i>	28.16	
22 13 16 00-0046	EA	8" Bell And Spigot Cast Iron Short Sweep	707.07	80.94
		<i>For Extra Heavy Fittings, Add</i>	205.02	
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.07	
		<i>For Work In Restricted Working Space, Add</i>	36.39	
22 13 16 00-0047	EA	10" Bell And Spigot Cast Iron Short Sweep	1,041.17	99.57
		<i>For Extra Heavy Fittings, Add</i>	312.15	
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.47	
		<i>For Work In Restricted Working Space, Add</i>	44.79	
22 13 16 00-0048	EA	12" Bell And Spigot Cast Iron Short Sweep	1,736.15	138.97
		<i>For Extra Heavy Fittings, Add</i>	534.72	
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.42	
		<i>For Work In Restricted Working Space, Add</i>	62.51	
<b>22 13 16 00-0049 Bell And Spigot Cast Iron 1/4 Bends (22 13 16 00-0030)</b>				
22 13 16 00-0050	EA	2" Bell And Spigot Cast Iron 1/4 Bend	85.08	28.87
		<i>For Extra Heavy Fittings, Add</i>	14.61	
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.17	
		<i>For Work In Restricted Working Space, Add</i>	13.00	
22 13 16 00-0051	EA	3" Bell And Spigot Cast Iron 1/4 Bend	132.20	32.51
		<i>For Extra Heavy Fittings, Add</i>	29.20	
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.44	
		<i>For Work In Restricted Working Space, Add</i>	14.63	
22 13 16 00-0052	EA	4" Bell And Spigot Cast Iron 1/4 Bend	190.15	43.30
		<i>For Extra Heavy Fittings, Add</i>	43.83	
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.25	
		<i>For Work In Restricted Working Space, Add</i>	19.47	
22 13 16 00-0053	EA	5" Bell And Spigot Cast Iron 1/4 Bend	239.43	47.54
		<i>For Extra Heavy Fittings, Add</i>	58.87	
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.56	
		<i>For Work In Restricted Working Space, Add</i>	21.37	
22 13 16 00-0054	EA	6" Bell And Spigot Cast Iron 1/4 Bend	288.06	56.93
		<i>For Extra Heavy Fittings, Add</i>	70.92	
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.27	
		<i>For Work In Restricted Working Space, Add</i>	25.63	
22 13 16 00-0055	EA	8" Bell And Spigot Cast Iron 1/4 Bend	614.55	74.53
		<i>For Extra Heavy Fittings, Add</i>	175.99	
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.59	
		<i>For Work In Restricted Working Space, Add</i>	33.51	
22 13 16 00-0056	EA	10" Bell And Spigot Cast Iron 1/4 Bend	913.58	90.44
		<i>For Extra Heavy Fittings, Add</i>	272.30	
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.78	
		<i>For Work In Restricted Working Space, Add</i>	40.68	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 13 16 00-0057	EA	12"	Bell And Spigot Cast Iron 1/4 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,209.11 367.16 8.00 48.02	106.76
22 13 16 00-0058	EA	15"	Bell And Spigot Cast Iron 1/4 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,128.77 1,006.73 12.62 75.72	168.38

**22 13 16 00-0059 Bell And Spigot Cast Iron 1/8 Bends** (22 13 16 00-0030)

22 13 16 00-0060	EA	2"	Bell And Spigot Cast Iron 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	76.75 11.67 2.17 13.03	28.97
22 13 16 00-0061	EA	3"	Bell And Spigot Cast Iron 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	123.36 24.08 2.73 16.37	36.44
22 13 16 00-0062	EA	4"	Bell And Spigot Cast Iron 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	177.00 36.53 3.63 21.79	48.45
22 13 16 00-0063	EA	5"	Bell And Spigot Cast Iron 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	220.76 46.06 4.46 26.75	59.50
22 13 16 00-0064	EA	6"	Bell And Spigot Cast Iron 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	256.21 54.85 4.97 29.85	66.33
22 13 16 00-0065	EA	8"	Bell And Spigot Cast Iron 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	525.97 137.24 6.69 40.16	89.28
22 13 16 00-0066	EA	10"	Bell And Spigot Cast Iron 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	741.12 201.58 8.26 49.56	110.15
22 13 16 00-0067	EA	12"	Bell And Spigot Cast Iron 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,210.68 348.80 10.71 64.24	142.85
22 13 16 00-0068	EA	15"	Bell And Spigot Cast Iron 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,359.39 737.45 12.62 75.72	168.38

**22 13 16 00-0069 Bell And Spigot Cast Iron Wyes** (22 13 16 00-0030)

22 13 16 00-0070	EA	2"	Bell And Spigot Cast Iron Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	129.14 11.22 4.85 29.12	64.71
22 13 16 00-0071	EA	3"	Bell And Spigot Cast Iron Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	166.34 21.02 5.31 31.88	70.87
22 13 16 00-0072	EA	4"	Bell And Spigot Cast Iron Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	219.15 27.98 6.96 41.76	92.88
22 13 16 00-0073	EA	5"	Bell And Spigot Cast Iron Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	286.74 46.62 7.68 46.06	102.39
22 13 16 00-0074	EA	6"	Bell And Spigot Cast Iron Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	362.45 63.16 9.10 54.59	121.36
22 13 16 00-0075	EA	8"	Bell And Spigot Cast Iron Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	687.00 154.89 12.22 73.34	163.04
22 13 16 00-0076	EA	10"	Bell And Spigot Cast Iron Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	979.70 245.85 13.86 83.18	184.97
22 13 16 00-0077	EA	12"	Bell And Spigot Cast Iron Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,467.59 395.51 16.88 101.27	225.16
22 13 16 00-0078	EA	15"	Bell And Spigot Cast Iron Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,313.71 677.25 18.94 113.62	252.62

**22 13 16 00-0079 Bell And Spigot Cast Iron Reducing Wyes** (22 13 16 00-0030)

**22 Plumbing**

**22 10 Plumbing Piping**

**22 13 Facility Sanitary Sewerage**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
22 13 16 00-0080	EA 3" x 2" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	216.78 40.37 5.07 30.43	67.64
22 13 16 00-0081	EA 4" x 2" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	263.38 48.30 6.27 37.61	83.59
22 13 16 00-0082	EA 4" x 3" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	296.57 58.80 6.43 38.57	85.71
22 13 16 00-0083	EA 6" x 2" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	442.97 98.00 8.15 48.89	108.74
22 13 16 00-0084	EA 6" x 3" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	454.72 101.03 8.30 49.82	110.73
22 13 16 00-0085	EA 6" x 4" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	475.14 104.30 8.86 53.14	118.14
22 13 16 00-0086	EA 8" x 2" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	715.91 181.77 9.83 58.97	131.11
22 13 16 00-0087	EA 8" x 3" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	749.66 192.27 10.02 60.09	133.63
22 13 16 00-0088	EA 8" x 4" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	766.51 194.84 10.49 62.95	139.94
22 13 16 00-0089	EA 8" x 6" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	909.45 236.61 11.67 70.03	155.67
22 13 16 00-0090	EA 10" x 3" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,139.39 322.24 10.94 65.61	145.86
22 13 16 00-0091	EA 10" x 4" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,185.03 334.84 11.42 68.50	152.27
22 13 16 00-0092	EA 10" x 6" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,295.76 365.18 12.62 75.72	168.38
22 13 16 00-0093	EA 10" x 8" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,730.42 511.95 13.39 80.32	178.57
22 13 16 00-0094	EA 12" x 4" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,783.09 530.38 13.39 80.32	178.57
22 13 16 00-0095	EA 12" x 6" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,852.84 546.95 14.51 87.04	193.52
22 13 16 00-0096	EA 12" x 8" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,185.18 658.25 15.22 91.34	203.12
22 13 16 00-0097	EA 12" x 10" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,670.96 825.09 15.68 94.07	209.14
22 13 16 00-0098	EA 15" x 4" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,474.44 1,462.57 14.78 88.70	197.20
22 13 16 00-0099	EA 15" x 6" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,666.81 1,521.37 16.00 96.01	213.41
22 13 16 00-0100	EA 15" x 8" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,760.58 1,549.38 16.69 100.14	222.62
22 13 16 00-0101	EA 15" x 10" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,870.52 1,583.91 17.25 103.52	230.20

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0102	EA			15" x 12" Bell And Spigot Cast Iron Reducing Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,990.65 1,618.91 18.26 109.56	243.59
<b>22 13 16 00-0103 Bell And Spigot Cast Iron Combination Wye And 1/8 Bends (22 13 16 00-0030)</b>						
22 13 16 00-0104	EA			2" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	142.87 16.03 4.85 29.12	64.71
22 13 16 00-0105	EA			3" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	174.80 23.99 5.31 31.88	70.87
22 13 16 00-0106	EA			4" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	233.88 33.13 6.96 41.76	92.88
22 13 16 00-0107	EA			5" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	332.53 60.04 8.05 48.30	107.41
22 13 16 00-0108	EA			6" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	416.92 76.02 9.99 59.91	133.22
22 13 16 00-0109	EA			8" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	791.93 185.06 13.16 78.95	175.56
22 13 16 00-0110	EA			10" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,151.75 282.34 17.25 103.52	230.20
22 13 16 00-0111	EA			12" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,549.11 386.91 22.18 133.09	295.90
<b>22 13 16 00-0112 Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bends (22 13 16 00-0030)</b>						
22 13 16 00-0113	EA			3" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	152.84 17.99 5.07 30.43	67.64
22 13 16 00-0114	EA			4" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	219.79 33.04 6.27 37.61	83.59
22 13 16 00-0115	EA			4" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	239.04 38.66 6.43 38.57	85.71
22 13 16 00-0116	EA			6" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	360.46 69.13 8.15 48.89	108.74
22 13 16 00-0117	EA			6" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	376.40 73.62 8.30 49.82	110.73
22 13 16 00-0118	EA			6" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	398.72 77.56 8.86 53.14	118.14
22 13 16 00-0119	EA			8" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	562.66 128.14 9.83 58.97	131.11
22 13 16 00-0120	EA			8" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	575.93 128.14 10.49 62.95	139.94
22 13 16 00-0121	EA			8" x 6" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	736.01 175.90 11.67 70.03	155.67
<b>22 13 16 00-0122 Bell And Spigot Cast Iron Double Wyes (22 13 16 00-0030)</b>						
22 13 16 00-0123	EA			2" Bell And Spigot Cast Iron Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	242.71 44.33 5.80 34.81	77.43
22 13 16 00-0124	EA			3" Bell And Spigot Cast Iron Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	358.98 74.43 7.32 43.89	97.62

**22 Plumbing****22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
22 13 16 00-0125	EA 4" Bell And Spigot Cast Iron Double Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	490.51 106.87 9.26 55.55	123.46
22 13 16 00-0126	EA 6" Bell And Spigot Cast Iron Double Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	956.91 237.07 13.98 83.87	186.45
22 13 16 00-0127	EA 8" Bell And Spigot Cast Iron Double Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,979.10 577.05 16.52 99.11	220.39
22 13 16 00-0128	EA 10" Bell And Spigot Cast Iron Double Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,641.11 794.99 18.49 110.91	246.59
22 13 16 00-0129	EA 12" Bell And Spigot Cast Iron Double Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,780.81 468.01 22.18 133.09	295.90
22 13 16 00-0130	EA 15" Bell And Spigot Cast Iron Double Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	5,233.22 1,668.58 23.29 139.76	310.56
<b>22 13 16 00-0131</b>	<b>Bell And Spigot Cast Iron Reducing Double Wyes</b> (22 13 16 00-0030)		
22 13 16 00-0132	EA 3" x 2" Bell And Spigot Cast Iron Reducing Double Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	212.05 26.16 6.87 41.19	91.57
22 13 16 00-0133	EA 4" x 2" Bell And Spigot Cast Iron Reducing Double Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	246.88 31.20 7.89 47.32	105.19
22 13 16 00-0134	EA 4" x 3" Bell And Spigot Cast Iron Reducing Double Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	268.77 36.14 8.28 49.65	110.34
22 13 16 00-0135	EA 6" x 2" Bell And Spigot Cast Iron Reducing Double Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	348.02 53.95 9.69 58.16	129.34
22 13 16 00-0136	EA 6" x 3" Bell And Spigot Cast Iron Reducing Double Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	370.08 59.08 10.06 60.38	134.27
22 13 16 00-0137	EA 6" x 4" Bell And Spigot Cast Iron Reducing Double Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	429.10 73.36 10.98 65.85	146.42
22 13 16 00-0138	EA 8" x 4" Bell And Spigot Cast Iron Reducing Double Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	719.96 162.89 12.73 76.37	169.83
22 13 16 00-0139	EA 8" x 6" Bell And Spigot Cast Iron Reducing Double Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	777.68 166.70 15.07 90.42	200.98
22 13 16 00-0140	EA 10" x 4" Bell And Spigot Cast Iron Reducing Double Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	766.62 172.97 13.62 81.72	181.67
22 13 16 00-0141	EA 10" x 6" Bell And Spigot Cast Iron Reducing Double Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	892.78 200.46 16.00 96.01	213.41
22 13 16 00-0142	EA 10" x 8" Bell And Spigot Cast Iron Reducing Double Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,112.47 267.29 17.44 104.63	232.62
22 13 16 00-0143	EA 12" x 6" Bell And Spigot Cast Iron Reducing Double Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,136.14 272.77 17.84 107.04	237.96
22 13 16 00-0144	EA 12" x 8" Bell And Spigot Cast Iron Reducing Double Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,470.68 378.87 19.41 116.46	258.92
<b>22 13 16 00-0145</b>	<b>Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bends</b> (22 13 16 00-0030)		
22 13 16 00-0146	EA 2" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	197.31 28.44 5.80 34.81	77.43

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 13 16 00-0147	EA	3" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	265.98 38.73 7.77 46.59	103.58
22 13 16 00-0148	EA	4" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	349.88 54.51 9.71 58.24	129.52
22 13 16 00-0149	EA	6" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	795.24 168.98 15.62 93.73	208.38

**22 13 16 00-0150 Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bends** (22 13 16 00-0030)

22 13 16 00-0151	EA	3" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	267.67 44.96 6.96 41.76	92.88
22 13 16 00-0152	EA	4" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	319.59 56.65 7.89 47.32	105.19
22 13 16 00-0153	EA	4" x 3" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	359.21 64.29 8.78 52.66	117.11
22 13 16 00-0154	EA	6" x 4" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	748.49 180.40 11.65 69.92	155.43

**22 13 16 00-0155 Bell And Spigot Cast Iron Sanitary Tees** (22 13 16 00-0030)

22 13 16 00-0156	EA	2" Bell And Spigot Cast Iron Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	160.50 22.17 4.86 29.15	64.81
22 13 16 00-0157	EA	3" Bell And Spigot Cast Iron Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	183.61 27.07 5.31 31.88	70.87
22 13 16 00-0158	EA	4" Bell And Spigot Cast Iron Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	306.23 61.60 6.51 39.07	86.82
22 13 16 00-0159	EA	5" Bell And Spigot Cast Iron Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	455.39 109.67 7.10 42.62	94.70
22 13 16 00-0160	EA	6" Bell And Spigot Cast Iron Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	546.32 131.60 8.52 51.09	113.59
22 13 16 00-0161	EA	8" Bell And Spigot Cast Iron Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,213.39 346.51 11.17 67.01	148.97
22 13 16 00-0162	EA	10" Bell And Spigot Cast Iron Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,840.45 548.81 13.62 81.72	181.67
22 13 16 00-0163	EA	12" Bell And Spigot Cast Iron Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,769.43 857.29 16.00 96.01	213.41

**22 13 16 00-0164 Bell And Spigot Cast Iron Reducing Sanitary Tees** (22 13 16 00-0030)

22 13 16 00-0165	EA	3" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	222.78 42.47 5.07 30.43	67.64
22 13 16 00-0166	EA	4" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	264.11 50.87 5.94 35.63	79.25
22 13 16 00-0167	EA	4" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	278.11 55.77 5.94 35.63	79.25
22 13 16 00-0168	EA	6" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	424.30 91.47 8.15 48.89	108.74

**22 Plumbing****22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
22 13 16 00-0169	EA 6" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	442.72 96.83 8.30 49.82	110.73
22 13 16 00-0170	EA 6" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	481.14 106.40 8.86 53.14	118.14
22 13 16 00-0171	EA 8" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	845.85 222.61 10.49 62.95	139.94
22 13 16 00-0172	EA 8" x 6" Bell And Spigot Cast Iron Reducing Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,070.12 292.84 11.67 70.03	155.67
<b>22 13 16 00-0173 Bell And Spigot Cast Iron Vent Tees (22 13 16 00-0030)</b>			
22 13 16 00-0174	EA 2" Bell And Spigot Cast Iron Vent Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	134.07 12.95 4.85 29.12	64.71
22 13 16 00-0175	EA 3" Bell And Spigot Cast Iron Vent Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	170.67 22.54 5.31 31.88	70.87
22 13 16 00-0176	EA 4" Bell And Spigot Cast Iron Vent Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	226.48 30.54 6.96 41.76	92.88
22 13 16 00-0177	EA 5" Bell And Spigot Cast Iron Vent Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	291.19 45.57 8.05 48.30	107.41
22 13 16 00-0178	EA 6" Bell And Spigot Cast Iron Vent Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	367.45 58.71 9.99 59.91	133.22
22 13 16 00-0179	EA 8" Bell And Spigot Cast Iron Vent Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	653.52 136.62 13.16 78.95	175.56
<b>22 13 16 00-0180 Bell And Spigot Cast Iron Tapped Sanitary Tees (22 13 16 00-0030)</b>			
22 13 16 00-0181	EA 2" Bell And Spigot Cast Iron Tapped Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	138.40 14.47 4.85 29.12	64.71
22 13 16 00-0182	EA 3" Bell And Spigot Cast Iron Tapped Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	153.00 16.36 5.31 31.88	70.87
22 13 16 00-0183	EA 4" Bell And Spigot Cast Iron Tapped Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	196.81 20.16 6.96 41.76	92.88
<b>22 13 16 00-0184 Bell And Spigot Cast Iron Tapped Sanitary Crosses (22 13 16 00-0030)</b>			
22 13 16 00-0185	EA 2" Bell And Spigot Cast Iron Tapped Sanitary Cross ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	141.14 15.42 4.85 29.12	64.71
22 13 16 00-0186	EA 3" Bell And Spigot Cast Iron Tapped Sanitary Cross ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	158.20 18.18 5.31 31.88	70.87
22 13 16 00-0187	EA 4" Bell And Spigot Cast Iron Tapped Sanitary Cross ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	209.88 24.73 6.96 41.76	92.88
<b>22 13 16 00-0188 Bell And Spigot Cast Iron Reducers (22 13 16 00-0030)</b>			
22 13 16 00-0189	EA 3" x 2" Bell And Spigot Cast Iron Reducer ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	77.97 8.19 2.73 16.37	36.44
22 13 16 00-0190	EA 4" x 2" Bell And Spigot Cast Iron Reducer ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	96.58 8.56 3.61 21.63	48.05
22 13 16 00-0191	EA 4" x 3" Bell And Spigot Cast Iron Reducer ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	104.43 11.13 3.63 21.79	48.45

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 13 16 00-0192	EA	6" x 2" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	132.46 16.17 4.31 25.88	57.50
22 13 16 00-0193	EA	6" x 3" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	139.32 18.18 4.37 26.22	58.27
22 13 16 00-0194	EA	6" x 4" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	144.09 19.23 4.46 26.75	59.50
22 13 16 00-0195	EA	8" x 2" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	193.32 35.49 4.60 27.58	61.30
22 13 16 00-0196	EA	8" x 3" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	215.81 35.86 5.67 34.00	75.60
22 13 16 00-0197	EA	8" x 4" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	221.49 36.82 5.81 34.89	77.54
22 13 16 00-0198	EA	8" x 6" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	228.45 37.50 6.07 36.39	80.94
22 13 16 00-0199	EA	10" x 4" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	289.55 53.67 6.81 40.86	90.84
22 13 16 00-0200	EA	10" x 6" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	305.43 56.82 7.15 42.93	95.40
22 13 16 00-0201	EA	10" x 8" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	326.30 61.95 7.47 44.79	99.57
22 13 16 00-0202	EA	12" x 4" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	412.09 87.62 8.09 48.53	107.92
22 13 16 00-0203	EA	12" x 6" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	457.10 93.71 9.47 56.81	126.26
22 13 16 00-0204	EA	12" x 8" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	491.33 96.48 10.78 64.70	143.82
22 13 16 00-0205	EA	12" x 10" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	534.90 100.29 12.42 74.51	165.66
22 13 16 00-0206	EA	15" x 6" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	720.31 165.18 12.42 74.51	165.66
22 13 16 00-0207	EA	15" x 8" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	765.47 174.21 13.39 80.32	178.57
22 13 16 00-0208	EA	15" x 10" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	796.07 179.81 14.12 84.70	188.27
22 13 16 00-0209	EA	15" x 12" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	837.75 187.72 15.07 90.42	200.98

**22 13 16 00-0210 Bell And Spigot Cast Iron P-Traps (22 13 16 00-0030)**

22 13 16 00-0211	EA	2" Bell And Spigot Cast Iron P-Trap <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	83.42 14.00 2.17 13.03	28.97
22 13 16 00-0212	EA	3" Bell And Spigot Cast Iron P-Trap <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	112.77 20.37 2.73 16.37	36.44
22 13 16 00-0213	EA	4" Bell And Spigot Cast Iron P-Trap <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	154.17 28.54 3.63 21.79	48.45

**22 Plumbing****22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0214	EA		5" Bell And Spigot Cast Iron P-Trap..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	254.58 61.18 3.99 23.93	53.23
22 13 16 00-0215	EA		6" Bell And Spigot Cast Iron P-Trap..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	345.61 88.11 4.69 28.16	62.62
22 13 16 00-0216	EA		8" Bell And Spigot Cast Iron P-Trap..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	793.33 235.21 6.07 36.39	80.94
22 13 16 00-0217	EA		10" Bell And Spigot Cast Iron P-Trap..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	875.32 254.11 7.47 44.79	99.57
<b>22 13 16 00-0218</b>			<b>Bell And Spigot Cast Iron Deep Seal P-Traps (22 13 16 00-0030)</b>		
22 13 16 00-0219	EA		2" Bell And Spigot Cast Iron Deep Seal P-Trap..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	98.62 19.32 2.17 13.03	28.97
22 13 16 00-0220	EA		3" Bell And Spigot Cast Iron Deep Seal P-Trap..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	142.64 30.82 2.73 16.37	36.44
22 13 16 00-0221	EA		4" Bell And Spigot Cast Iron Deep Seal P-Trap..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	209.70 47.97 3.63 21.79	48.45
22 13 16 00-0222	EA		5" Bell And Spigot Cast Iron Deep Seal P-Trap..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	351.77 91.91 4.46 26.75	59.50
22 13 16 00-0223	EA		6" Bell And Spigot Cast Iron Deep Seal P-Trap..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	371.90 95.34 4.97 29.85	66.33
<b>22 13 16 00-0224</b>			<b>Bell And Spigot Cast Iron Running Traps With Single Vent (22 13 16 00-0030)</b>		
22 13 16 00-0225	EA		3" x 3" Bell And Spigot Cast Iron Running Trap With Single Vent..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	225.75 5.31 31.88	69.96
22 13 16 00-0226	EA		4" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	301.85 6.96 41.76	91.97
22 13 16 00-0227	EA		5" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	415.18 7.81 46.86	103.34
22 13 16 00-0228	EA		6" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	874.23 8.86 53.14	117.10
22 13 16 00-0229	EA		8" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,977.31 10.49 62.95	138.39
22 13 16 00-0230	EA		8" x 6" Bell And Spigot Cast Iron Running Trap With Single Vent..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,221.88 11.67 70.03	154.41
<b>22 13 16 00-0231</b>			<b>Bell And Spigot Cast Running Traps With Double Vent (22 13 16 00-0030)</b>		
22 13 16 00-0232	EA		3" x 3" Bell And Spigot Cast Iron Running Trap With Double Vent..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	285.91 7.32 43.89	96.62
22 13 16 00-0233	EA		4" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	394.57 9.26 55.55	121.95
22 13 16 00-0234	EA		6" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	968.07 10.98 65.85	144.70
22 13 16 00-0235	EA		6" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,119.66 13.27 79.63	175.16
22 13 16 00-0236	EA		8" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,198.49 12.73 76.37	167.79
22 13 16 00-0237	EA		8" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,503.41 15.07 90.42	199.24
22 13 16 00-0238	EA		10" x 8" Bell And Spigot Cast Iron Running Trap With Double Vent..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,674.77 17.44 104.63	229.91
22 13 16 00-0239	EA		12" x 10" Bell And Spigot Cast Iron Running Trap With Double Vent..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	6,493.55 20.13 120.80	265.81



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 13 16 00-0240	EA 15" x 12" Bell And Spigot Cast Iron Running Trap With Double Vent..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	12,733.19 23.30 139.81	307.45
<b>22 13 16 00-0241</b>	<b>Bell And Spigot Cast Iron Scission Joint Fittings</b> (22 13 16 00-0030)		
22 13 16 00-0242	EA 2" Bell And Spigot Cast Iron Scission Joint Fitting..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	186.09 2.17 12.99	
22 13 16 00-0243	EA 3" Bell And Spigot Cast Iron Scission Joint Fitting..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	259.90 2.43 14.60	
22 13 16 00-0244	EA 4" Bell And Spigot Cast Iron Scission Joint Fitting..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	297.51 3.26 19.55	
22 13 16 00-0245	EA 5" Bell And Spigot Cast Iron Scission Joint Fitting..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	368.79 3.79 22.72	
22 13 16 00-0246	EA 6" Bell And Spigot Cast Iron Scission Joint Fitting..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	448.00 4.57 27.44	
22 13 16 00-0247	EA 8" Bell And Spigot Cast Iron Scission Joint Fitting..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	865.38 5.78 34.68	
<b>22 13 16 00-0248</b>	<b>Cut And Prepare Existing In-Place Cast Iron Pipe</b> (22 13 16 00-0019) Note: For use when connecting pipe to an existing in-place system.		
22 13 16 00-0249	EA 2", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	12.06 0.60 3.62	
22 13 16 00-0250	EA 3", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	13.16 0.66 3.95	
22 13 16 00-0251	EA 4", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.44 0.82 4.93	
22 13 16 00-0252	EA 6", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	19.73 0.99 5.92	
22 13 16 00-0253	EA 8", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	26.31 1.32 7.89	
22 13 16 00-0254	EA 10", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	30.69 1.53 9.21	
22 13 16 00-0255	EA 12", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	36.17 1.81 10.85	
22 13 16 00-0256	EA 15", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	41.66 2.08 12.50	
<b>22 13 16 00-0257</b>	<b>Joint Material</b> (22 13 16 00-0019) Note: Labor costs are included in the installation costs for fittings.		
22 13 16 00-0258	LB Lead (1 LB/Diameter Inch) Joint Material .....	6.03	
22 13 16 00-0259	LB Oakum (1/8 LB/Diameter Inch) Joint Material .....	15.58	
22 13 16 00-0260	EA 2" Dual Tite Rubber Gasket .....	3.17	
22 13 16 00-0261	EA 3" Dual Tite Rubber Gasket .....	4.34	
22 13 16 00-0262	EA 4" Dual Tite Rubber Gasket .....	5.40	
22 13 16 00-0263	EA 6" Dual Tite Rubber Gasket .....	8.95	
22 13 16 00-0264	EA 8" Dual Tite Rubber Gasket .....	19.74	
22 13 16 00-0265	EA 10" Dual Tite Rubber Gasket .....	30.28	
22 13 16 00-0266	EA 12" Dual Tite Rubber Gasket .....	38.57	
22 13 16 00-0267	EA 15" Dual Tite Rubber Gasket .....	45.81	
<b>22 13 16 00-0268</b>	<b>No Hub Cast Iron Soil Pipe And Fittings</b> (22 13 16) Note: Service Weight. Excludes hangers.		
<b>22 13 16 00-0269</b>	<b>No Hub Cast Iron Pipe</b> (22 13 16 00-0268) Note: Excludes couplings.		
22 13 16 00-0270	LF 1-1/2" No Hub Cast Iron Pipe .....	16.53	6.06
	<i>For Below Ground Installation, Add</i>	0.45	
	<i>For Work In Restricted Working Space, Add</i>	2.73	
22 13 16 00-0271	LF 2" No Hub Cast Iron Pipe.....	17.57	6.46
	<i>For Below Ground Installation, Add</i>	0.49	
	<i>For Work In Restricted Working Space, Add</i>	2.93	
22 13 16 00-0272	LF 3" No Hub Cast Iron Pipe.....	24.94	9.39
	<i>For Below Ground Installation, Add</i>	0.71	
	<i>For Work In Restricted Working Space, Add</i>	4.24	
22 13 16 00-0273	LF 4" No Hub Cast Iron Pipe.....	32.36	12.21
	<i>For Below Ground Installation, Add</i>	0.92	
	<i>For Work In Restricted Working Space, Add</i>	5.51	
22 13 16 00-0274	LF 5" No Hub Cast Iron Pipe.....	41.28	14.52
	<i>For Below Ground Installation, Add</i>	1.09	
	<i>For Work In Restricted Working Space, Add</i>	6.53	

**22 Plumbing****22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0275	LF	6"	No Hub Cast Iron Pipe..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	47.86 1.19 7.12	15.85
22 13 16 00-0276	LF	8"	No Hub Cast Iron Pipe..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	72.79 1.71 10.24	22.81
22 13 16 00-0277	LF	10"	No Hub Cast Iron Pipe..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	102.91 1.94 11.65	25.91
<b>22 13 16 00-0278</b>			<b>No Hub Cast Iron Fittings (22 13 16 00-0268)</b>		
<b>22 13 16 00-0279</b>			<b>No Hub Cast Iron Long Sweeps (22 13 16 00-0278)</b>		
22 13 16 00-0280	EA	1-1/2"	No Hub Cast Iron Long Sweep..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	61.46 2.06 12.36	27.46
22 13 16 00-0281	EA	2"	No Hub Cast Iron Long Sweep..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	63.72 2.15 12.89	28.67
22 13 16 00-0282	EA	3"	No Hub Cast Iron Long Sweep..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	75.28 2.46 14.78	32.81
22 13 16 00-0283	EA	4"	No Hub Cast Iron Long Sweep..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	103.92 3.26 19.54	43.41
22 13 16 00-0284	EA	5"	No Hub Cast Iron Long Sweep..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	143.23 3.59 21.54	47.91
22 13 16 00-0285	EA	6"	No Hub Cast Iron Long Sweep..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	169.89 4.29 25.71	57.13
22 13 16 00-0286	EA	8"	No Hub Cast Iron Long Sweep..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	341.06 5.55 33.27	73.95
<b>22 13 16 00-0287</b>			<b>No Hub Cast Iron Reducing Long Sweeps (22 13 16 00-0278)</b>		
22 13 16 00-0288	EA	3" x 2"	No Hub Cast Iron Reducing Long Sweep..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	96.71 2.46 14.78	32.81
22 13 16 00-0289	EA	4" x 3"	No Hub Cast Iron Reducing Long Sweep..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	144.77 3.26 19.54	43.41
<b>22 13 16 00-0290</b>			<b>No Hub Cast Iron Short Sweeps (22 13 16 00-0278)</b>		
22 13 16 00-0291	EA	2"	No Hub Cast Iron Short Sweep..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	59.42 2.15 12.89	28.67
22 13 16 00-0292	EA	3"	No Hub Cast Iron Short Sweep..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	71.86 2.46 14.78	32.81
22 13 16 00-0293	EA	4"	No Hub Cast Iron Short Sweep..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	102.13 3.26 19.54	43.41
22 13 16 00-0294	EA	5"	No Hub Cast Iron Short Sweep..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	143.90 3.59 21.54	47.91
22 13 16 00-0295	EA	6"	No Hub Cast Iron Short Sweep..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	159.42 4.29 25.71	57.13
22 13 16 00-0296	EA	8"	No Hub Cast Iron Short Sweep..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	309.44 5.55 33.27	73.95
22 13 16 00-0297	EA	10"	No Hub Cast Iron Short Sweep..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	504.47 7.76 46.58	103.55
<b>22 13 16 00-0298</b>			<b>No Hub Cast Iron 1/4 Bends (22 13 16 00-0278)</b>		
22 13 16 00-0299	EA	1-1/2"	No Hub Cast Iron 1/4 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	53.97 2.06 12.36	27.46
22 13 16 00-0300	EA	2"	No Hub Cast Iron 1/4 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	56.45 2.15 12.89	28.67
22 13 16 00-0301	EA	3"	No Hub Cast Iron 1/4 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	67.05 2.46 14.78	32.81
22 13 16 00-0302	EA	4"	No Hub Cast Iron 1/4 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	91.49 3.26 19.54	43.41
22 13 16 00-0303	EA	5"	No Hub Cast Iron 1/4 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	130.69 3.59 21.54	47.91
22 13 16 00-0304	EA	6"	No Hub Cast Iron 1/4 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	150.97 4.29 25.71	57.13

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0305	EA			8" No Hub Cast Iron 1/4 Bend ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	284.81 5.55 33.27	73.95
<b>22 13 16 00-0306</b>				<b>No Hub Cast Iron 1/8 Bends</b> (22 13 16 00-0278)		
22 13 16 00-0307	EA			1-1/2" No Hub Cast Iron 1/8 Bend ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	51.23 2.06 12.36	27.46
22 13 16 00-0308	EA			2" No Hub Cast Iron 1/8 Bend ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	53.20 2.15 12.89	28.67
22 13 16 00-0309	EA			3" No Hub Cast Iron 1/8 Bend ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	63.86 2.46 14.78	32.81
22 13 16 00-0310	EA			4" No Hub Cast Iron 1/8 Bend ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	84.33 3.26 19.54	43.41
22 13 16 00-0311	EA			6" No Hub Cast Iron 1/8 Bend ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	139.96 4.81 28.84	64.11
22 13 16 00-0312	EA			8" No Hub Cast Iron 1/8 Bend ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	242.84 6.31 37.86	84.20
22 13 16 00-0313	EA			10" No Hub Cast Iron 1/8 Bend ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	375.33 7.77 46.59	103.58
<b>22 13 16 00-0314</b>				<b>No Hub Cast Iron Wyes</b> (22 13 16 00-0278)		
22 13 16 00-0315	EA			1-1/2" No Hub Cast Iron Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	82.51 3.24 19.41	43.20
22 13 16 00-0316	EA			2" No Hub Cast Iron Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	105.81 4.39 26.34	58.55
22 13 16 00-0317	EA			3" No Hub Cast Iron Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	120.77 4.81 28.84	64.11
22 13 16 00-0318	EA			4" No Hub Cast Iron Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	166.16 6.31 37.86	84.20
22 13 16 00-0319	EA			5" No Hub Cast Iron Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	226.31 6.99 41.95	93.28
22 13 16 00-0320	EA			6" No Hub Cast Iron Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	268.53 8.30 49.82	110.73
22 13 16 00-0321	EA			8" No Hub Cast Iron Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	462.61 11.09 66.55	148.00
22 13 16 00-0322	EA			10" No Hub Cast Iron Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	767.83 12.32 73.94	164.40
<b>22 13 16 00-0323</b>				<b>No Hub Cast Iron Reducing Wyes</b> (22 13 16 00-0278)		
22 13 16 00-0324	EA			3" x 1-1/2" No Hub Cast Iron Reducing Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	103.20 4.19 25.13	55.93
22 13 16 00-0325	EA			3" x 2" No Hub Cast Iron Reducing Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	115.56 4.81 28.84	64.11
22 13 16 00-0326	EA			4" x 2" No Hub Cast Iron Reducing Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	131.12 5.31 31.88	70.87
22 13 16 00-0327	EA			4" x 3" No Hub Cast Iron Reducing Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	151.37 5.90 35.42	78.75
22 13 16 00-0328	EA			6" x 2" No Hub Cast Iron Reducing Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	196.56 7.07 42.40	94.22
22 13 16 00-0329	EA			6" x 3" No Hub Cast Iron Reducing Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	209.90 7.38 44.28	98.49
22 13 16 00-0330	EA			6" x 4" No Hub Cast Iron Reducing Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	240.76 8.63 51.76	115.10
22 13 16 00-0331	EA			8" x 4" No Hub Cast Iron Reducing Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	312.32 8.72 52.34	116.36
22 13 16 00-0332	EA			8" x 6" No Hub Cast Iron Reducing Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	361.96 9.59 57.51	127.91
22 13 16 00-0333	EA			10" x 4" No Hub Cast Iron Reducing Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	564.87 10.22 61.29	136.26

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 13 Facility Sanitary Sewerage**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
22 13 16 00-0334	EA 10" x 6" No Hub Cast Iron Reducing Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	595.94 10.94 65.61	145.86
22 13 16 00-0335	EA 10" x 8" No Hub Cast Iron Reducing Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	686.52 11.68 70.05	155.76
<b>22 13 16 00-0336 No Hub Cast Iron Combination Wye And 1/8 Bends (22 13 16 00-0278)</b>			
22 13 16 00-0337	EA 1-1/2" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	93.36 3.77 22.60	50.28
22 13 16 00-0338	EA 2" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	106.54 4.39 26.34	58.55
22 13 16 00-0339	EA 3" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	126.25 4.81 28.84	64.11
22 13 16 00-0340	EA 4" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	181.67 6.31 37.86	84.20
22 13 16 00-0341	EA 6" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	333.78 9.71 58.24	129.52
22 13 16 00-0342	EA 8" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	599.52 12.46 74.75	166.17
22 13 16 00-0343	EA 10" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	703.49 15.06 90.35	200.90
<b>22 13 16 00-0344 No Hub Cast Iron Reducing Combination Wye And 1/8 Bends (22 13 16 00-0278)</b>			
22 13 16 00-0345	EA 2" x 1-1/2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	107.44 4.39 26.34	58.55
22 13 16 00-0346	EA 3" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	118.30 4.81 28.84	64.11
22 13 16 00-0347	EA 4" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	136.61 5.31 31.88	70.87
22 13 16 00-0348	EA 4" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	156.69 5.90 35.42	78.75
22 13 16 00-0349	EA 6" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	212.51 7.07 42.40	94.22
22 13 16 00-0350	EA 6" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	237.78 7.38 44.28	98.49
22 13 16 00-0351	EA 6" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	265.16 8.63 51.76	115.10
22 13 16 00-0352	EA 8" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	357.94 8.72 52.34	116.36
22 13 16 00-0353	EA 8" x 6" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	466.23 9.59 57.51	127.91
<b>22 13 16 00-0354 No Hub Cast Iron Double Wyes (22 13 16 00-0278)</b>			
22 13 16 00-0355	EA 2" No Hub Cast Iron Double Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	134.27 5.46 32.74	72.79
22 13 16 00-0356	EA 3" No Hub Cast Iron Double Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	179.18 6.64 39.85	88.64
22 13 16 00-0357	EA 4" No Hub Cast Iron Double Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	240.63 7.26 43.58	96.92
22 13 16 00-0358	EA 6" No Hub Cast Iron Double Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	373.53 10.46 62.76	139.58
22 13 16 00-0359	EA 8" No Hub Cast Iron Double Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	727.34 14.12 84.70	188.27
<b>22 13 16 00-0360 No Hub Cast Iron Reducing Double Wyes (22 13 16 00-0278)</b>			
22 13 16 00-0361	EA 3" x 2" No Hub Cast Iron Double Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	160.64 6.05 36.27	80.66
22 13 16 00-0362	EA 4" x 2" No Hub Cast Iron Double Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	192.64 6.96 41.78	92.88

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 13 16 00-0363	EA		4" x 3" No Hub Cast Iron Double Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	212.03 7.59 45.54	101.25
	22 13 16 00-0364	EA		6" x 4" No Hub Cast Iron Double Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	317.76 9.23 55.35	123.07
<b>22 13 16 00-0365</b>	<b>No Hub Cast Iron Double Combination Wye And 1/8 Bends (22 13 16 00-0278)</b>					
	22 13 16 00-0366	EA		2" No Hub Cast Iron Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	175.16 6.56 39.33	87.43
	22 13 16 00-0367	EA		3" No Hub Cast Iron Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	213.49 7.26 43.58	96.92
	22 13 16 00-0368	EA		4" No Hub Cast Iron Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	322.60 9.62 57.69	128.31
	22 13 16 00-0369	EA		6" No Hub Cast Iron Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	449.06 14.85 89.08	198.07
<b>22 13 16 00-0370</b>	<b>No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bends (22 13 16 00-0278)</b>					
	22 13 16 00-0371	EA		3" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	163.90 5.64 33.84	75.21
	22 13 16 00-0372	EA		4" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	189.99 6.56 39.33	87.43
	22 13 16 00-0373	EA		4" x 3" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	228.78 7.16 42.96	95.50
<b>22 13 16 00-0374</b>	<b>No Hub Cast Iron Sanitary Tees (22 13 16 00-0278)</b>					
	22 13 16 00-0375	EA		1-1/2" No Hub Cast Iron Sanitary Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	80.39 3.17 19.05	42.30
	22 13 16 00-0376	EA		2" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	106.71 4.39 26.34	58.55
	22 13 16 00-0377	EA		3" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	118.75 4.81 28.84	64.11
	22 13 16 00-0378	EA		4" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	161.57 6.31 37.86	84.20
	22 13 16 00-0379	EA		5" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	227.26 6.99 41.95	93.28
	22 13 16 00-0380	EA		6" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	267.86 8.30 49.82	110.73
	22 13 16 00-0381	EA		8" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	519.20 11.09 66.55	148.00
<b>22 13 16 00-0382</b>	<b>No Hub Cast Iron Reducing Sanitary Tees (22 13 16 00-0278)</b>					
	22 13 16 00-0383	EA		2" x 1-1/2" No Hub Cast Iron Reducing Sanitary Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	90.52 3.58 21.48	47.75
	22 13 16 00-0384	EA		3" x 1-1/2" No Hub Cast Iron Reducing Sanitary Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	104.77 4.19 25.13	55.93
	22 13 16 00-0385	EA		3" x 2" No Hub Cast Iron Reducing Sanitary Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	108.78 4.39 26.34	58.55
	22 13 16 00-0386	EA		3" x 4" No Hub Cast Iron Reducing Sanitary Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	130.44 4.39 26.34	58.55
	22 13 16 00-0387	EA		4" x 2" No Hub Cast Iron Reducing Sanitary Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	145.69 5.94 35.63	79.25
	22 13 16 00-0388	EA		4" x 3" No Hub Cast Iron Reducing Sanitary Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	150.95 5.94 35.63	79.25
	22 13 16 00-0389	EA		5" x 2" No Hub Cast Iron Reducing Sanitary Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	195.37 6.64 39.86	88.62
	22 13 16 00-0390	EA		5" x 3" No Hub Cast Iron Reducing Sanitary Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	202.70 6.64 39.86	88.62
	22 13 16 00-0391	EA		5" x 4" No Hub Cast Iron Reducing Sanitary Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	203.60 6.64 39.86	88.62

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 13 Facility Sanitary Sewerage**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
22 13 16 00-0392	EA 6" x 4" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	211.20 6.92 41.51	92.33
22 13 16 00-0393	EA 8" x 6" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	408.66 9.35 56.12	124.81
<b>22 13 16 00-0394 No Hub Cast Iron Sanitary Tapped Tees (22 13 16 00-0278)</b>			
22 13 16 00-0395	EA 2" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	61.93 2.15 12.89	28.67
22 13 16 00-0396	EA 3" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	72.03 2.46 14.78	32.81
22 13 16 00-0397	EA 4" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	88.41 3.26 19.54	43.41
<b>22 13 16 00-0398 No Hub Cast Iron Cleanout Tees (22 13 16 00-0278)</b>			
22 13 16 00-0399	EA 2" No Hub Cast Iron Cleanout Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	58.63 2.15 12.89	28.67
22 13 16 00-0400	EA 3" No Hub Cast Iron Cleanout Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	74.44 2.46 14.78	32.81
22 13 16 00-0401	EA 4" No Hub Cast Iron Cleanout Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	109.40 3.26 19.54	43.41
22 13 16 00-0402	EA 6" No Hub Cast Iron Cleanout Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	182.50 4.81 28.84	64.11
<b>22 13 16 00-0403 No Hub Cast Iron Two-Way Cleanout Tees (22 13 16 00-0278)</b>			
22 13 16 00-0404	EA 4" No Hub Cast Iron Single Two-Way Cleanout Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	252.62 6.31 37.86	84.20
22 13 16 00-0405	EA 4" No Hub Cast Iron Double Two-Way Cleanout Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	309.20 9.59 57.54	127.91
<b>22 13 16 00-0406 No Hub Cast Iron Cleanout Plugs (22 13 16 00-0278)</b>			
22 13 16 00-0407	EA 2" No Hub Cast Iron Cleanout Plug ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	49.62 2.15 12.89	28.67
22 13 16 00-0408	EA 3" No Hub Cast Iron Cleanout Plug ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	59.72 2.46 14.78	32.81
22 13 16 00-0409	EA 4" No Hub Cast Iron Cleanout Plug ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	85.00 3.26 19.54	43.41
22 13 16 00-0410	EA 6" No Hub Cast Iron Cleanout Plug ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	133.25 4.81 28.84	64.11
22 13 16 00-0411	EA 8" No Hub Cast Iron Cleanout Plug ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	177.19 6.31 37.86	84.20
<b>22 13 16 00-0412 No Hub Cast Iron Sanitary Crosses (22 13 16 00-0278)</b>			
22 13 16 00-0413	EA 1-1/2" No Hub Cast Iron Sanitary Cross ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	107.68 4.24 25.45	56.54
22 13 16 00-0414	EA 2" No Hub Cast Iron Sanitary Cross ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	116.33 4.39 26.34	58.55
22 13 16 00-0415	EA 3" No Hub Cast Iron Sanitary Cross ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	141.08 4.81 28.84	64.11
22 13 16 00-0416	EA 4" No Hub Cast Iron Sanitary Cross ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	210.66 6.31 37.86	84.20
<b>22 13 16 00-0417 No Hub Cast Iron Reducing Sanitary Crosses (22 13 16 00-0278)</b>			
22 13 16 00-0418	EA 3" x 2" No Hub Cast Iron Sanitary Cross ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	153.18 5.64 33.83	75.21
22 13 16 00-0419	EA 4" x 2" No Hub Cast Iron Sanitary Cross ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	173.19 5.81 34.83	77.43
22 13 16 00-0420	EA 4" x 3" No Hub Cast Iron Sanitary Cross ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	190.07 6.06 36.35	80.87

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>22 13 16 00-0421 No Hub Cast Iron Reducers (22 13 16 00-0278)</b>		
22 13 16 00-0422 EA 3" x 2" No Hub Cast Iron Reducer.....	97.36	58.55
For Below Ground Installation, Add	4.39	
For Work In Restricted Working Space, Add	26.34	
22 13 16 00-0423 EA 4" x 2" No Hub Cast Iron Reducer.....	133.38	79.25
For Below Ground Installation, Add	5.94	
For Work In Restricted Working Space, Add	35.63	
22 13 16 00-0424 EA 4" x 3" No Hub Cast Iron Reducer.....	133.83	79.25
For Below Ground Installation, Add	5.94	
For Work In Restricted Working Space, Add	35.63	
22 13 16 00-0425 EA 5" x 2" No Hub Cast Iron Reducer.....	154.29	88.62
For Below Ground Installation, Add	6.64	
For Work In Restricted Working Space, Add	39.86	
22 13 16 00-0426 EA 5" x 3" No Hub Cast Iron Reducer.....	157.25	88.62
For Below Ground Installation, Add	6.64	
For Work In Restricted Working Space, Add	39.86	
22 13 16 00-0427 EA 5" x 4" No Hub Cast Iron Reducer.....	158.43	88.62
For Below Ground Installation, Add	6.64	
For Work In Restricted Working Space, Add	39.86	
22 13 16 00-0428 EA 6" x 3" No Hub Cast Iron Reducer.....	184.61	98.49
For Below Ground Installation, Add	7.38	
For Work In Restricted Working Space, Add	44.28	
22 13 16 00-0429 EA 6" x 4" No Hub Cast Iron Reducer.....	185.05	98.49
For Below Ground Installation, Add	7.38	
For Work In Restricted Working Space, Add	44.28	
22 13 16 00-0430 EA 6" x 5" No Hub Cast Iron Reducer.....	186.40	98.49
For Below Ground Installation, Add	7.38	
For Work In Restricted Working Space, Add	44.28	
22 13 16 00-0431 EA 8" x 2" No Hub Cast Iron Reducer.....	256.35	138.10
For Below Ground Installation, Add	10.35	
For Work In Restricted Working Space, Add	62.11	
22 13 16 00-0432 EA 8" x 3" No Hub Cast Iron Reducer.....	259.76	138.10
For Below Ground Installation, Add	10.35	
For Work In Restricted Working Space, Add	62.11	
22 13 16 00-0433 EA 8" x 4" No Hub Cast Iron Reducer.....	265.25	138.10
For Below Ground Installation, Add	10.35	
For Work In Restricted Working Space, Add	62.11	
22 13 16 00-0434 EA 8" x 5" No Hub Cast Iron Reducer.....	270.96	138.10
For Below Ground Installation, Add	10.35	
For Work In Restricted Working Space, Add	62.11	
22 13 16 00-0435 EA 8" x 6" No Hub Cast Iron Reducer.....	271.63	138.10
For Below Ground Installation, Add	10.35	
For Work In Restricted Working Space, Add	62.11	
22 13 16 00-0436 EA 10" x 4" No Hub Cast Iron Reducer.....	324.25	145.67
For Below Ground Installation, Add	10.92	
For Work In Restricted Working Space, Add	65.51	
22 13 16 00-0437 EA 10" x 6" No Hub Cast Iron Reducer.....	346.72	152.07
For Below Ground Installation, Add	11.40	
For Work In Restricted Working Space, Add	68.42	
22 13 16 00-0438 EA 10" x 8" No Hub Cast Iron Reducer.....	389.63	165.08
For Below Ground Installation, Add	12.37	
For Work In Restricted Working Space, Add	74.24	
<b>22 13 16 00-0439 No Hub Cast Iron Blind Plugs (22 13 16 00-0278)</b>		
22 13 16 00-0440 EA 1-1/2" No Hub Cast Iron Blind Plug.....	26.09	13.74
For Below Ground Installation, Add	1.03	
For Work In Restricted Working Space, Add	6.18	
22 13 16 00-0441 EA 2" No Hub Cast Iron Blind Plug.....	26.75	14.33
For Below Ground Installation, Add	1.07	
For Work In Restricted Working Space, Add	6.45	
22 13 16 00-0442 EA 3" No Hub Cast Iron Blind Plug.....	33.97	16.46
For Below Ground Installation, Add	1.23	
For Work In Restricted Working Space, Add	7.39	
22 13 16 00-0443 EA 4" No Hub Cast Iron Blind Plug.....	45.08	21.71
For Below Ground Installation, Add	1.63	
For Work In Restricted Working Space, Add	9.76	
22 13 16 00-0444 EA 5" No Hub Cast Iron Blind Plug.....	59.81	24.39
For Below Ground Installation, Add	1.83	
For Work In Restricted Working Space, Add	10.96	
22 13 16 00-0445 EA 6" No Hub Cast Iron Blind Plug.....	66.40	28.56
For Below Ground Installation, Add	2.14	
For Work In Restricted Working Space, Add	12.87	
22 13 16 00-0446 EA 8" No Hub Cast Iron Blind Plug.....	129.58	36.97
For Below Ground Installation, Add	2.77	
For Work In Restricted Working Space, Add	16.63	
22 13 16 00-0447 EA 10" No Hub Cast Iron Blind Plug.....	166.30	39.79
For Below Ground Installation, Add	2.98	
For Work In Restricted Working Space, Add	17.90	
<b>22 13 16 00-0448 No Hub Cast Iron P-Traps (22 13 16 00-0278)</b>		
22 13 16 00-0449 EA 2" No Hub Cast Iron P-Trap.....	62.38	28.67
For Below Ground Installation, Add	2.15	
For Work In Restricted Working Space, Add	12.89	

**22 Plumbing****22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
22 13 16 00-0450	EA 3" No Hub Cast Iron P-Trap <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	93.52 2.46 14.78	32.81
22 13 16 00-0451	EA 4" No Hub Cast Iron P-Trap <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	142.03 3.26 19.54	43.41
22 13 16 00-0452	EA 5" No Hub Cast Iron P-Trap <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	248.34 3.62 21.71	48.30
22 13 16 00-0453	EA 6" No Hub Cast Iron P-Trap <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	262.49 4.32 25.91	57.60
<b>22 13 16 00-0454</b>	<b>No Hub Cast Iron Deep Seal P-Traps</b> (22 13 16 00-0278)		
22 13 16 00-0455	EA 2" No Hub Cast Iron Deep Seal P-Trap <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	100.91 2.73 16.37	36.44
22 13 16 00-0456	EA 3" No Hub Cast Iron Deep Seal P-Trap <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	146.57 3.63 21.79	48.45
22 13 16 00-0457	EA 4" No Hub Cast Iron Deep Seal P-Trap <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	214.56 4.80 28.77	64.00
<b>22 13 16 00-0458</b>	<b>No Hub Cast Iron Closet Flanges</b> (22 13 16 00-0278)		
22 13 16 00-0459	EA 4" No Hub Cast Iron Closet Flange <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	95.91 3.26 19.54	43.41
22 13 16 00-0460	EA 4" x 2-1/2" No Hub Cast Iron Offset Closet Flange <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	102.30 3.26 19.54	43.41
<b>22 13 16 00-0461</b>	<b>No Hub Cast Iron Closet Bends</b> (22 13 16 00-0278)		
22 13 16 00-0462	EA 4" x 16" No Hub Cast Iron Closet Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	185.63 3.26 19.54	43.41
<b>22 13 16 00-0463</b>	<b>No Hub Cast Iron Threaded Adapter</b> (22 13 16 00-0278)		
22 13 16 00-0464	EA 1-1/4" No Hub Cast Iron Threaded Adapter <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	71.25 2.73 16.37	36.44
22 13 16 00-0465	EA 1-1/2" No Hub Cast Iron Threaded Adapter <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	76.40 2.73 16.37	36.44
<b>22 13 16 00-0466</b>	<b>No Hub Couplings</b> (22 13 16 00-0278) Note: Includes stainless steel shield/clamps assembly with elastomeric gasket, ASTM C 564. (Fernco NH).		
22 13 16 00-0467	EA 1-1/2" No Hub Coupling <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	18.04 2.35 4.87	
22 13 16 00-0468	EA 2" No Hub Coupling <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	18.04 2.35 4.87	
22 13 16 00-0469	EA 3" No Hub Coupling <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	21.41 2.78 5.78	
22 13 16 00-0470	EA 4" No Hub Coupling <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	25.42 3.30 6.86	
22 13 16 00-0471	EA 5" No Hub Coupling <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	58.78 7.64 15.87	
22 13 16 00-0472	EA 6" No Hub Coupling <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	64.58 8.40 17.44	
22 13 16 00-0473	EA 8" No Hub Coupling <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	121.67 15.82 32.85	
22 13 16 00-0474	EA 10" No Hub Coupling <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	167.61 21.79 45.25	
22 13 16 00-0475	EA 2" x 1-1/2" No Hub Reducing Coupling	21.41	
22 13 16 00-0476	EA 3" x 2" No Hub Reducing Coupling	33.20	
22 13 16 00-0477	EA 4" x 2" No Hub Reducing Coupling	46.32	
22 13 16 00-0478	EA 4" x 3" No Hub Reducing Coupling	39.47	
<b>22 13 16 00-0479</b>	<b>Cast Iron Mechanical Joint Couplings With Neoprene Gasket And Bolts</b> (22 13 16 00-0278) Note: For underground connections. See CSI section 22 13 16 00-0861 for additional FERNCO couplings.		
22 13 16 00-0480	EA 1-1/2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	36.87	
22 13 16 00-0481	EA 2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	38.06	
22 13 16 00-0482	EA 3" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	39.96	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
					UNIT COST	UNIT COST

22 13 16 00-0483	EA			4" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	46.62	
22 13 16 00-0484	EA			5" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	88.01	
22 13 16 00-0485	EA			6" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	120.84	
22 13 16 00-0486	EA			8" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	211.71	
22 13 16 00-0487	EA			10" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	323.51	

**22 13 16 00-0488 Cut And Prepare Existing Pipe In-Place** (22 13 16 00-0288)  
 Note: For use when connecting pipe to an existing in-place system.

22 13 16 00-0489	EA			Cut And Prepare 1-1/2" Cast Iron Pipe, No Hub.....	9.86	
				<i>For Work In Restricted Working Space, Add</i>	2.96	
22 13 16 00-0490	EA			Cut And Prepare 2" Cast Iron Pipe, No Hub.....	12.06	
				<i>For Work In Restricted Working Space, Add</i>	3.62	
22 13 16 00-0491	EA			Cut And Prepare 3" Cast Iron Pipe, No Hub.....	13.16	
				<i>For Work In Restricted Working Space, Add</i>	3.95	
22 13 16 00-0492	EA			Cut And Prepare 4" Cast Iron Pipe, No Hub.....	16.45	
				<i>For Work In Restricted Working Space, Add</i>	4.94	
22 13 16 00-0493	EA			Cut And Prepare 6" Cast Iron Pipe, No Hub.....	19.73	
				<i>For Work In Restricted Working Space, Add</i>	5.92	
22 13 16 00-0494	EA			Cut And Prepare 8" Cast Iron Pipe, No Hub.....	26.31	
				<i>For Work In Restricted Working Space, Add</i>	7.89	
22 13 16 00-0495	EA			Cut And Prepare 10" Cast Iron Pipe, No Hub.....	30.70	
				<i>For Work In Restricted Working Space, Add</i>	9.21	

**22 13 16 00-0496 Copper Drain-Waste-Vent (DWV) Pipe** (22 13 16)  
 See CSI section 22 11 16 00-0436 for copper and brass fittings.

22 13 16 00-0497	LF			1-1/4" Hard Drawn DWV Copper Tube/Pipe.....	14.95	4.74
22 13 16 00-0498	LF			1-1/2" Hard Drawn DWV Copper Tube/Pipe.....	17.79	5.30
22 13 16 00-0499	LF			2" Hard Drawn DWV Copper Tube/Pipe.....	22.85	6.54
22 13 16 00-0500	LF			3" Hard Drawn DWV Copper Tube/Pipe.....	49.90	9.06
22 13 16 00-0501	LF			4" Hard Drawn DWV Copper Tube/Pipe.....	68.87	10.22
22 13 16 00-0502	LF			5" Hard Drawn DWV Copper Tube/Pipe.....	132.49	11.73
22 13 16 00-0503	LF			6" Hard Drawn DWV Copper Tube/Pipe.....	189.46	18.18

**22 13 16 00-0504 Polyvinyl Chloride (PVC) Drain-Waste-Vent (DWV) Pipe And Fittings** (22 13 16)  
 Note: Aboveground installation. See CSI section 33 31 11 00-0002 for underground installation.

**22 13 16 00-0505 Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies** (22 13 16 00-0504)

22 13 16 00-0506	LF			1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	22.60	4.24
				<i>Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.</i>		
				<i>For Work In Restricted Working Space, Add</i>	4.86	
22 13 16 00-0507	LF			2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	25.42	5.05
				<i>Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.</i>		
				<i>For Work In Restricted Working Space, Add</i>	5.40	
22 13 16 00-0508	LF			3" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	35.74	7.27
				<i>Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.</i>		
				<i>For Work In Restricted Working Space, Add</i>	6.72	
22 13 16 00-0509	LF			4" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	44.59	7.87
				<i>Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.</i>		
				<i>For Work In Restricted Working Space, Add</i>	7.33	
22 13 16 00-0510	LF			6" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	69.05	10.10
				<i>Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.</i>		
				<i>For Work In Restricted Working Space, Add</i>	9.39	
22 13 16 00-0511	LF			8" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	90.20	13.42
				<i>Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.</i>		
				<i>For Work In Restricted Working Space, Add</i>	10.76	
22 13 16 00-0512	LF			10" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	126.84	17.97
				<i>Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.</i>		
				<i>For Work In Restricted Working Space, Add</i>	14.03	

**22 13 16 00-0513 Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe** (22 13 16 00-0504)  
 Note: Excludes fittings or hangers.

**22 13 16 00-0514 Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe (ASTM D-2665)** (22 13 16 00-0513)  
 Note: Excludes fittings or hangers.

22 13 16 00-0515	LF			1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe.....	8.62	4.24
				<i>For Work In Restricted Working Space, Add</i>	1.89	
22 13 16 00-0516	LF			2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe.....	10.59	5.05
				<i>For Work In Restricted Working Space, Add</i>	2.27	
22 13 16 00-0517	LF			3" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe.....	16.92	7.27
				<i>For Work In Restricted Working Space, Add</i>	3.26	
22 13 16 00-0518	LF			4" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe.....	20.34	7.87
				<i>For Work In Restricted Working Space, Add</i>	3.53	
22 13 16 00-0519	LF			6" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe.....	29.50	9.48
				<i>For Work In Restricted Working Space, Add</i>	4.26	
22 13 16 00-0520	LF			8" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe.....	42.16	12.62
				<i>For Work In Restricted Working Space, Add</i>	5.69	

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 13 Facility Sanitary Sewerage**



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

22 13 16 00-0521 LF 10" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe .....60.81 16.89  
 For Work In Restricted Working Space, Add 7.59

**22 13 16 00-0522 Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe (ASTM F-891)** (22 13 16 00-0513)

Note: Excludes fittings or hangers.

22 13 16 00-0523 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe .....7.93 4.24  
 For Work In Restricted Working Space, Add 1.89  
 22 13 16 00-0524 LF 2" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe .....9.77 5.05  
 For Work In Restricted Working Space, Add 2.27  
 22 13 16 00-0525 LF 3" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe .....15.37 7.27  
 For Work In Restricted Working Space, Add 3.26  
 22 13 16 00-0526 LF 4" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe .....18.29 7.87  
 For Work In Restricted Working Space, Add 3.53  
 22 13 16 00-0527 LF 6" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe .....25.68 9.48  
 For Work In Restricted Working Space, Add 4.26  
 22 13 16 00-0528 LF 8" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe .....36.80 12.62  
 For Work In Restricted Working Space, Add 5.69  
 22 13 16 00-0529 LF 10" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe .....54.97 16.89  
 For Work In Restricted Working Space, Add 7.59

**22 13 16 00-0530 Polyvinyl Chloride (PVC) DWV Fittings (ASTM D-2665)** (22 13 16 00-0504)

**22 13 16 00-0531 Polyvinyl Chloride (PVC) DWV 1/4 Bends** (22 13 16 00-0530)

22 13 16 00-0532 EA 1-1/2" Polyvinyl Chloride (PVC) DWV 1/4 Bends .....30.87 16.86  
 For Work In Restricted Working Space, Add 7.57  
 22 13 16 00-0533 EA 2" Polyvinyl Chloride (PVC) DWV 1/4 Bends .....39.46 21.51  
 For Work In Restricted Working Space, Add 9.69  
 22 13 16 00-0534 EA 3" Polyvinyl Chloride (PVC) DWV 1/4 Bends .....65.62 28.87  
 For Work In Restricted Working Space, Add 13.02  
 22 13 16 00-0535 EA 4" Polyvinyl Chloride (PVC) DWV 1/4 Bends .....97.61 33.62  
 For Work In Restricted Working Space, Add 15.14  
 22 13 16 00-0536 EA 6" Polyvinyl Chloride (PVC) DWV 1/4 Bends .....352.42 43.72  
 For Work In Restricted Working Space, Add 19.69  
 22 13 16 00-0537 EA 8" Polyvinyl Chloride (PVC) DWV 1/4 Bends .....579.60 58.86  
 For Work In Restricted Working Space, Add 26.50  
 22 13 16 00-0538 EA 10" Polyvinyl Chloride (PVC) DWV 1/4 Bends .....765.47 78.45  
 For Work In Restricted Working Space, Add 35.33

**22 13 16 00-0539 Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends** (22 13 16 00-0530)

22 13 16 00-0540 EA 1-1/2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends .....46.69 16.86  
 For Work In Restricted Working Space, Add 7.57  
 22 13 16 00-0541 EA 2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends .....48.56 21.51  
 For Work In Restricted Working Space, Add 9.69  
 22 13 16 00-0542 EA 3" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends .....89.03 28.87  
 For Work In Restricted Working Space, Add 13.02  
 22 13 16 00-0543 EA 4" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends .....140.52 33.62  
 For Work In Restricted Working Space, Add 15.14  
 22 13 16 00-0544 EA 6" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends .....269.54 43.72  
 For Work In Restricted Working Space, Add 19.69  
 22 13 16 00-0545 EA 8" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends .....470.68 58.86  
 For Work In Restricted Working Space, Add 26.50  
 22 13 16 00-0546 EA 10" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends .....763.51 78.45  
 For Work In Restricted Working Space, Add 35.33

**22 13 16 00-0547 Polyvinyl Chloride (PVC) DWV 1/8 Bends** (22 13 16 00-0530)

22 13 16 00-0548 EA 1-1/2" Polyvinyl Chloride (PVC) DWV 1/8 Bends .....32.17 16.86  
 For Work In Restricted Working Space, Add 7.57  
 22 13 16 00-0549 EA 2" Polyvinyl Chloride (PVC) DWV 1/8 Bends .....39.35 21.51  
 For Work In Restricted Working Space, Add 9.69  
 22 13 16 00-0550 EA 3" Polyvinyl Chloride (PVC) DWV 1/8 Bends .....63.67 28.87  
 For Work In Restricted Working Space, Add 13.02  
 22 13 16 00-0551 EA 4" Polyvinyl Chloride (PVC) DWV 1/8 Bends .....88.08 33.62  
 For Work In Restricted Working Space, Add 15.14  
 22 13 16 00-0552 EA 6" Polyvinyl Chloride (PVC) DWV 1/8 Bends .....328.15 43.72  
 For Work In Restricted Working Space, Add 19.69  
 22 13 16 00-0553 EA 8" Polyvinyl Chloride (PVC) DWV 1/8 Bends .....523.19 58.86  
 For Work In Restricted Working Space, Add 26.50  
 22 13 16 00-0554 EA 10" Polyvinyl Chloride (PVC) DWV 1/8 Bends .....599.53 78.45  
 For Work In Restricted Working Space, Add 35.33

**22 13 16 00-0555 Polyvinyl Chloride (PVC) DWV Sanitary Tees** (22 13 16 00-0530)

22 13 16 00-0556 EA 1-1/2" Polyvinyl Chloride (PVC) DWV Sanitary Tees .....47.94 25.24  
 For Work In Restricted Working Space, Add 11.36  
 22 13 16 00-0557 EA 2" Polyvinyl Chloride (PVC) DWV Sanitary Tees .....62.86 32.31  
 For Work In Restricted Working Space, Add 14.54  
 22 13 16 00-0558 EA 3" Polyvinyl Chloride (PVC) DWV Sanitary Tees .....103.46 43.41  
 For Work In Restricted Working Space, Add 19.53  
 22 13 16 00-0559 EA 4" Polyvinyl Chloride (PVC) DWV Sanitary Tees .....148.86 50.48  
 For Work In Restricted Working Space, Add 22.72  
 22 13 16 00-0560 EA 6" Polyvinyl Chloride (PVC) DWV Sanitary Tees .....523.83 65.52  
 For Work In Restricted Working Space, Add 29.53

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0561	EA		8" Polyvinyl Chloride (PVC) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	682.44 39.75	88.23
<b>22 13 16 00-0562</b>			<b>Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees</b> <small>(22 13 16 00-0530)</small>		
22 13 16 00-0563	EA		2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	59.59 12.42	27.56
22 13 16 00-0564	EA		2" x 1-1/2" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	70.07 13.48	29.88
22 13 16 00-0565	EA		2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	59.34 13.48	29.88
22 13 16 00-0566	EA		3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	85.39 16.81	37.35
22 13 16 00-0567	EA		3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	87.51 17.87	39.68
22 13 16 00-0568	EA		4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	102.54 18.93	41.99
22 13 16 00-0569	EA		4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	165.77 19.99	44.42
22 13 16 00-0570	EA		4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	206.97 21.65	48.05
22 13 16 00-0571	EA		6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	502.26 27.26	60.47
22 13 16 00-0572	EA		8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	1,545.62 34.07	75.61
22 13 16 00-0573	EA		8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	1,599.37 36.35	80.66
<b>22 13 16 00-0574</b>			<b>Polyvinyl Chloride (PVC) DWV Double Sanitary Tees</b> <small>(22 13 16 00-0530)</small>		
22 13 16 00-0575	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	80.82 15.14	33.62
22 13 16 00-0576	EA		2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	109.03 19.38	43.00
22 13 16 00-0577	EA		3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	211.42 26.05	57.85
22 13 16 00-0578	EA		4" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	301.29 30.29	67.24
<b>22 13 16 00-0579</b>			<b>Polyvinyl Chloride (PVC) DWV Reducing Double Sanitary Tees</b> <small>(22 13 16 00-0530)</small>		
22 13 16 00-0580	EA		2" x 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee ..... <i>For Work In Restricted Working Space, Add</i>	97.70 17.26	38.37
22 13 16 00-0581	EA		3" x 3" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee ..... <i>For Work In Restricted Working Space, Add</i>	162.97 20.60	45.73
22 13 16 00-0582	EA		3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee ..... <i>For Work In Restricted Working Space, Add</i>	187.47 22.72	50.48
22 13 16 00-0583	EA		4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee ..... <i>For Work In Restricted Working Space, Add</i>	328.88 24.83	55.13
22 13 16 00-0584	EA		4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee ..... <i>For Work In Restricted Working Space, Add</i>	346.75 28.17	62.49
<b>22 13 16 00-0585</b>			<b>Polyvinyl Chloride (PVC) DWV Reducers</b> <small>(22 13 16 00-0530)</small>		
22 13 16 00-0586	EA		2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers ..... <i>For Work In Restricted Working Space, Add</i>	40.04 8.63	19.18
22 13 16 00-0587	EA		3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers ..... <i>For Work In Restricted Working Space, Add</i>	70.30 10.30	22.82
22 13 16 00-0588	EA		3" x 2" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	67.98 11.36	25.24
22 13 16 00-0589	EA		4" x 2" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	100.98 12.42	27.56
22 13 16 00-0590	EA		4" x 3" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	109.24 14.08	31.29
22 13 16 00-0591	EA		6" x 3" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	369.26 16.35	36.34
22 13 16 00-0592	EA		6" x 4" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	310.83 17.42	38.67
22 13 16 00-0593	EA		8" x 4" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	763.02 20.82	46.24
22 13 16 00-0594	EA		8" x 6" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	647.66 23.09	51.29
22 13 16 00-0595	EA		10" x 6" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	868.45 27.51	61.08
22 13 16 00-0596	EA		10" x 8" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	685.77 30.92	68.65
<b>22 13 16 00-0597</b>			<b>Polyvinyl Chloride (PVC) DWV P-Traps</b> <small>(22 13 16 00-0530)</small>		
22 13 16 00-0598	EA		1-1/2" Polyvinyl Chloride (PVC) DWV P-Traps ..... <i>For Work In Restricted Working Space, Add</i>	57.58 11.36	25.24
22 13 16 00-0599	EA		2" Polyvinyl Chloride (PVC) DWV P-Traps ..... <i>For Work In Restricted Working Space, Add</i>	75.32 14.54	32.31
22 13 16 00-0600	EA		3" Polyvinyl Chloride (PVC) DWV P-Traps ..... <i>For Work In Restricted Working Space, Add</i>	198.92 19.53	43.41
22 13 16 00-0601	EA		4" Polyvinyl Chloride (PVC) DWV P-Traps ..... <i>For Work In Restricted Working Space, Add</i>	394.37 22.72	50.48

<b>22</b>	<b>Plumbing</b>
<b>22 10</b>	<b>Plumbing Piping</b>
<b>22 13</b>	<b>Facility Sanitary Sewerage</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0602	EA		6" Polyvinyl Chloride (PVC) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	661.84 29.53	65.52
<b>22 13 16 00-0603</b>			<b>Polyvinyl Chloride (PVC) DWV Closet Flanges</b> (22 13 16 00-0530)		
22 13 16 00-0604	EA		4" Polyvinyl Chloride (PVC) DWV Closet Flanges <i>For Work In Restricted Working Space, Add</i>	88.29 15.14	33.62
22 13 16 00-0605	EA		4" x 3" Polyvinyl Chloride (PVC) DWV Closet Flanges <i>For Work In Restricted Working Space, Add</i>	73.38 14.08	31.29
<b>22 13 16 00-0606</b>			<b>Polyvinyl Chloride (PVC) DWV Wyes</b> (22 13 16 00-0530)		
22 13 16 00-0607	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	58.01 11.36	25.24
22 13 16 00-0608	EA		2" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	68.71 14.54	32.31
22 13 16 00-0609	EA		3" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	110.94 19.53	43.41
22 13 16 00-0610	EA		4" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	161.10 22.72	50.48
22 13 16 00-0611	EA		6" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	477.89 29.53	65.52
22 13 16 00-0612	EA		8" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	595.17 39.75	88.23
22 13 16 00-0613	EA		10" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	783.77 53.00	117.61
<b>22 13 16 00-0614</b>			<b>Polyvinyl Chloride (PVC) DWV Reducing Wyes</b> (22 13 16 00-0530)		
22 13 16 00-0615	EA		2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	77.36 12.42	27.56
22 13 16 00-0616	EA		2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	80.58 13.48	29.88
22 13 16 00-0617	EA		3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	112.03 16.81	37.35
22 13 16 00-0618	EA		3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	94.99 17.87	39.68
22 13 16 00-0619	EA		4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	152.01 18.93	41.99
22 13 16 00-0620	EA		4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	135.21 19.99	44.42
22 13 16 00-0621	EA		4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	152.25 21.65	48.05
22 13 16 00-0622	EA		6" x 6" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	431.56 26.20	58.15
22 13 16 00-0623	EA		6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	531.12 27.26	60.47
22 13 16 00-0624	EA		8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	510.12 34.07	75.61
22 13 16 00-0625	EA		8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	640.01 36.35	80.66
22 13 16 00-0626	EA		10" x 10" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	589.79 42.91	95.20
22 13 16 00-0627	EA		10" x 10" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	730.22 45.17	100.25
22 13 16 00-0628	EA		10" x 10" x 8" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	847.69 48.58	107.82
<b>22 13 16 00-0629</b>			<b>Polyvinyl Chloride (PVC) DWV Double Wyes</b> (22 13 16 00-0530)		
22 13 16 00-0630	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	93.39 15.14	33.62
22 13 16 00-0631	EA		2" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	119.76 19.38	43.00
22 13 16 00-0632	EA		3" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	229.30 26.05	57.85
22 13 16 00-0633	EA		4" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	389.81 30.29	67.24
22 13 16 00-0634	EA		6" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	785.43 39.37	87.43
22 13 16 00-0635	EA		8" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	914.98 53.00	117.71
22 13 16 00-0636	EA		10" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	1,412.03 70.67	156.88
<b>22 13 16 00-0637</b>			<b>Polyvinyl Chloride (PVC) DWV Reducing Double Wyes</b> (22 13 16 00-0530)		
22 13 16 00-0638	EA		2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	107.92 17.26	38.37
22 13 16 00-0639	EA		3" x 3" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	193.67 20.60	45.73
22 13 16 00-0640	EA		3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	181.79 22.72	50.48
22 13 16 00-0641	EA		4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	255.94 24.83	55.13
22 13 16 00-0642	EA		4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	322.61 28.17	62.49

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0643	EA		6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	491.76 34.83	77.33
22 13 16 00-0644	EA		8" x 8" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	576.25 41.64	92.47
22 13 16 00-0645	EA		8" x 8" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	729.06 46.19	102.57
22 13 16 00-0646	EA		10" x 10" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	771.35 50.48	112.06
22 13 16 00-0647	EA		10" x 10" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	994.78 55.02	122.15
22 13 16 00-0648	EA		10" x 10" x 8" x 8" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	1,199.98 61.83	137.30
<b>22 13 16 00-0649</b>			<b>Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends</b> <small>(22 13 16 00-0530)</small>		
22 13 16 00-0650	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	70.58 11.36	25.24
22 13 16 00-0651	EA		2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	88.32 14.54	32.31
22 13 16 00-0652	EA		3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	169.88 19.53	43.41
22 13 16 00-0653	EA		4" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	293.28 22.72	50.48
<b>22 13 16 00-0654</b>			<b>Polyvinyl Chloride (PVC) DWV Reducing Combination Wye And 1/8 Bends</b> <small>(22 13 16 00-0530)</small>		
22 13 16 00-0655	EA		2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	127.49 13.48	29.88
22 13 16 00-0656	EA		3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	199.47 16.81	37.35
22 13 16 00-0657	EA		3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	149.21 17.87	39.68
22 13 16 00-0658	EA		4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	266.07 19.99	44.42
22 13 16 00-0659	EA		4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	288.20 21.65	48.05
<b>22 13 16 00-0660</b>			<b>Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends</b> <small>(22 13 16 00-0530)</small>		
22 13 16 00-0661	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	103.14 15.14	33.62
22 13 16 00-0662	EA		2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	120.84 19.38	43.00
22 13 16 00-0663	EA		3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	184.55 26.05	57.85
22 13 16 00-0664	EA		4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	615.82 30.29	67.24
22 13 16 00-0665	EA		6" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	2,000.49 39.37	87.43
<b>22 13 16 00-0666</b>			<b>Polyvinyl Chloride (PVC) DWV Reducing Double Combination Wye And 1/8 Bends</b> <small>(22 13 16 00-0530)</small>		
22 13 16 00-0667	EA		2" x 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	229.84 17.26	38.37
22 13 16 00-0668	EA		3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	367.63 22.72	50.48
22 13 16 00-0669	EA		4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	626.81 24.83	55.13
22 13 16 00-0670	EA		4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	570.01 28.17	62.49
22 13 16 00-0671	EA		6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	1,337.28 34.83	77.33
<b>22 13 16 00-0672</b>			<b>Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug</b> <small>(22 13 16 00-0530)</small>		
22 13 16 00-0673	EA		2" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug ..... <i>For Work In Restricted Working Space, Add</i>	144.36 14.54	32.31
22 13 16 00-0674	EA		3" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug ..... <i>For Work In Restricted Working Space, Add</i>	248.34 19.53	43.41
22 13 16 00-0675	EA		4" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug ..... <i>For Work In Restricted Working Space, Add</i>	394.43 22.72	50.48
22 13 16 00-0676	EA		6" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug ..... <i>For Work In Restricted Working Space, Add</i>	1,024.51 29.53	65.52
22 13 16 00-0677	EA		8" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug ..... <i>For Work In Restricted Working Space, Add</i>	1,285.53 39.75	88.23
22 13 16 00-0678	EA		10" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug ..... <i>For Work In Restricted Working Space, Add</i>	1,706.05 53.00	117.61
<b>22 13 16 00-0679</b>			<b>Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug</b> <small>(22 13 16 00-0530)</small>		
22 13 16 00-0680	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug ..... <i>For Work In Restricted Working Space, Add</i>	41.82 7.57	16.86
22 13 16 00-0681	EA		2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug ..... <i>For Work In Restricted Working Space, Add</i>	59.07 9.69	21.51

**22 Plumbing****22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
22 13 16 00-0682	EA 3" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	84.58 13.02	28.87
22 13 16 00-0683	EA 4" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	147.23 15.14	33.62
22 13 16 00-0684	EA 6" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	331.18 19.69	43.72
22 13 16 00-0685	EA 8" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	735.89 26.50	58.86
22 13 16 00-0686	EA 10" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	1,349.58 35.31	78.45
<b>22 13 16 00-0687</b>	<b>Polyvinyl Chloride (PVC) Couplings</b> (22 13 16 00-0530)		
22 13 16 00-0688	EA 1-1/2" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	30.15 7.57	16.86
22 13 16 00-0689	EA 2" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	37.84 9.69	21.51
22 13 16 00-0690	EA 3" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	57.53 13.02	28.87
22 13 16 00-0691	EA 4" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	73.69 15.14	33.62
22 13 16 00-0692	EA 6" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	193.71 19.69	43.72
22 13 16 00-0693	EA 8" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	458.34 26.50	58.86
22 13 16 00-0694	EA 10" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	691.16 35.33	78.45
<b>22 13 16 00-0695</b>	<b>Polyvinyl Chloride (PVC) Male Adapters</b> (22 13 16 00-0530)		
22 13 16 00-0696	EA 1-1/2" Polyvinyl Chloride (PVC) Male Adapters <i>For Work In Restricted Working Space, Add</i>	17.59 3.79	8.37
22 13 16 00-0697	EA 2" Polyvinyl Chloride (PVC) Male Adapters <i>For Work In Restricted Working Space, Add</i>	28.38 4.85	10.80
22 13 16 00-0698	EA 3" Polyvinyl Chloride (PVC) Male Adapters <i>For Work In Restricted Working Space, Add</i>	55.63 6.51	14.43
22 13 16 00-0699	EA 4" Polyvinyl Chloride (PVC) Male Adapters <i>For Work In Restricted Working Space, Add</i>	102.98 7.57	16.86
<b>22 13 16 00-0700</b>	<b>Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe</b> (22 13 16 00-0504)		
	Note: In place piping.		
22 13 16 00-0701	EA 1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	7.40	
22 13 16 00-0702	EA 2", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	8.14	
22 13 16 00-0703	EA 3", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	10.35	
22 13 16 00-0704	EA 4", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	13.98	
22 13 16 00-0705	EA 6", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	19.97	
22 13 16 00-0706	EA 8", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	26.64	
22 13 16 00-0707	EA 10", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	32.57	
<b>22 13 16 00-0708</b>	<b>Acrylonitrile Butadiene Styrene (ABS) Drain-Waste-Vent (DWV) Pipe And Fittings</b> (22 13 16)		
	Note: Aboveground installation.		
<b>22 13 16 00-0709</b>	<b>Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assemblies</b> (22 13 16 00-0708)		
	Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.		
22 13 16 00-0710	LF 1-1/2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	24.19 5.81	4.24
22 13 16 00-0711	LF 2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	26.88 6.43	5.05
22 13 16 00-0712	LF 3" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	36.48 7.99	7.27
22 13 16 00-0713	LF 4" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	41.94 8.87	7.87
22 13 16 00-0714	LF 6" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	69.13 11.80	10.10
<b>22 13 16 00-0715</b>	<b>Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe (ASTM F-628)</b> (22 13 16 00-0708)		
	Note: Excludes fittings or hangers.		
22 13 16 00-0716	LF 1-1/2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	9.31 1.89	4.24
22 13 16 00-0717	LF 2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	11.59 2.27	5.05

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0718	LF		3" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe ..... <i>For Work In Restricted Working Space, Add</i>	19.18 3.26	7.27
22 13 16 00-0719	LF		4" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe ..... <i>For Work In Restricted Working Space, Add</i>	23.69 3.53	7.87
22 13 16 00-0720	LF		6" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe ..... <i>For Work In Restricted Working Space, Add</i>	38.49 4.26	9.48
<b>22 13 16 00-0721</b>			<b>Acrylonitrile Butadiene Styrene (ABS) DWV Fittings (ASTM D-2661)</b> (22 13 16 00-0708)		
<b>22 13 16 00-0722</b>			<b>Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends</b> (22 13 16 00-0721)		
22 13 16 00-0723	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends ..... <i>For Work In Restricted Working Space, Add</i>	38.00 7.57	16.86
22 13 16 00-0724	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	50.51 9.69	21.51
22 13 16 00-0725	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	99.59 13.02	28.87
22 13 16 00-0726	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	160.55 15.14	33.62
22 13 16 00-0727	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	476.43 19.69	43.72
<b>22 13 16 00-0728</b>			<b>Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends</b> (22 13 16 00-0721)		
22 13 16 00-0729	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	55.65 7.57	16.86
22 13 16 00-0730	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	67.76 9.69	21.51
22 13 16 00-0731	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	142.41 13.02	28.87
22 13 16 00-0732	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	245.76 15.14	33.62
<b>22 13 16 00-0733</b>			<b>Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends</b> (22 13 16 00-0721)		
22 13 16 00-0734	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	40.39 7.57	16.86
22 13 16 00-0735	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	48.84 9.69	21.51
22 13 16 00-0736	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	90.80 13.02	28.87
22 13 16 00-0737	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	144.34 15.14	33.62
22 13 16 00-0738	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	493.53 19.69	43.72
<b>22 13 16 00-0739</b>			<b>Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees</b> (22 13 16 00-0721)		
22 13 16 00-0740	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	59.59 11.36	25.24
22 13 16 00-0741	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	81.12 14.54	32.31
22 13 16 00-0742	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	148.35 19.53	43.41
22 13 16 00-0743	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	235.65 22.72	50.48
22 13 16 00-0744	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	965.35 29.53	65.52
<b>22 13 16 00-0745</b>			<b>Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees</b> (22 13 16 00-0721)		
22 13 16 00-0746	EA		2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	76.05 12.42	27.56
22 13 16 00-0747	EA		2" x 1-1/2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	93.60 13.48	29.88
22 13 16 00-0748	EA		2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	76.24 13.48	29.88
22 13 16 00-0749	EA		3" x 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	119.61 16.81	37.35
22 13 16 00-0750	EA		3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	123.72 17.87	39.68
22 13 16 00-0751	EA		4" x 4" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	293.61 18.93	41.99
22 13 16 00-0752	EA		4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	281.81 19.99	44.42
22 13 16 00-0753	EA		4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	324.51 21.65	48.05
22 13 16 00-0754	EA		6" x 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	1,060.13 27.26	60.47
<b>22 13 16 00-0755</b>			<b>Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees</b> (22 13 16 00-0721)		
22 13 16 00-0756	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	116.50 15.14	33.62
22 13 16 00-0757	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	160.93 19.38	43.00

MINOR	CSI	UOM	DESCRIPTION
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TOTAL DIRECT	DEMOLITION
UNIT COST	UNIT COST

22 13 16 00-0758	EA	3"	Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	357.40 26.05	57.85
22 13 16 00-0759	EA	4"	Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	534.62 30.29	67.24
<b>22 13 16 00-0760</b>			<b>Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Sanitary Tees</b> <small>(22 13 16 00-0721)</small>		
22 13 16 00-0761	EA	2" x 2" x 1-1/2" x 1-1/2"	Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	132.42 17.26	38.37
22 13 16 00-0762	EA	3" x 3" x 1-1/2" x 1-1/2"	Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	206.56 20.60	45.73
22 13 16 00-0763	EA	3" x 3" x 2" x 2"	Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	238.89 22.72	50.48
22 13 16 00-0764	EA	4" x 4" x 2" x 2"	Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	437.18 23.34	51.81
22 13 16 00-0765	EA	4" x 4" x 3" x 3"	Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	457.54 26.47	58.74
<b>22 13 16 00-0766</b>			<b>Acrylonitrile Butadiene Styrene (ABS) DWV Wyes</b> <small>(22 13 16 00-0721)</small>		
22 13 16 00-0767	EA	1-1/2"	Acrylonitrile Butadiene Styrene (ABS) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	81.62 11.36	25.24
22 13 16 00-0768	EA	2"	Acrylonitrile Butadiene Styrene (ABS) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	93.37 14.54	32.31
22 13 16 00-0769	EA	3"	Acrylonitrile Butadiene Styrene (ABS) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	164.54 19.53	43.41
22 13 16 00-0770	EA	4"	Acrylonitrile Butadiene Styrene (ABS) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	260.96 22.72	50.48
22 13 16 00-0771	EA	6"	Acrylonitrile Butadiene Styrene (ABS) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	778.17 29.53	65.52
<b>22 13 16 00-0772</b>			<b>Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes</b> <small>(22 13 16 00-0721)</small>		
22 13 16 00-0773	EA	2" x 1-1/2" x 1-1/2"	Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	119.46 12.42	27.56
22 13 16 00-0774	EA	2" x 2" x 1-1/2"	Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	122.20 13.48	29.88
22 13 16 00-0775	EA	3" x 3" x 2"	Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	136.83 17.87	39.68
22 13 16 00-0776	EA	4" x 4" x 2"	Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	215.47 19.99	44.42
22 13 16 00-0777	EA	4" x 4" x 3"	Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	246.07 21.65	48.05
22 13 16 00-0778	EA	6" x 6" x 4"	Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	652.46 27.26	60.47
<b>22 13 16 00-0779</b>			<b>Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes</b> <small>(22 13 16 00-0721)</small>		
22 13 16 00-0780	EA	1-1/2"	Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	143.54 15.14	33.62
22 13 16 00-0781	EA	2"	Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	184.31 19.38	43.00
22 13 16 00-0782	EA	3"	Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	396.28 26.05	57.85
22 13 16 00-0783	EA	4"	Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	727.83 30.29	67.24
<b>22 13 16 00-0784</b>			<b>Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Wyes</b> <small>(22 13 16 00-0721)</small>		
22 13 16 00-0785	EA	2" x 2" x 1-1/2" x 1-1/2"	Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	166.87 17.26	38.37
22 13 16 00-0786	EA	3" x 3" x 1-1/2" x 1-1/2"	Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	286.93 20.60	45.73
22 13 16 00-0787	EA	3" x 3" x 2" x 2"	Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	305.47 22.72	50.48
22 13 16 00-0788	EA	4" x 4" x 2" x 2"	Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	458.63 24.83	55.13
22 13 16 00-0789	EA	4" x 4" x 3" x 3"	Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	590.34 28.17	62.49
<b>22 13 16 00-0790</b>			<b>Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bend</b> <small>(22 13 16 00-0721)</small>		
22 13 16 00-0791	EA	1-1/2"	Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	107.75 11.36	25.24
22 13 16 00-0792	EA	2"	Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	139.28 14.54	32.31
22 13 16 00-0793	EA	3"	Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	214.77 19.53	43.41
22 13 16 00-0794	EA	4"	Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	364.97 21.35	47.44



	MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>22 13 16 00-0795</b>		<b>Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Combination Wye And 1/8 Bend</b> <small>(22 13 16 00-0721)</small>		
22 13 16 00-0796	EA	2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	118.49 13.48	29.88
22 13 16 00-0797	EA	3" x 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	230.21 16.81	37.35
22 13 16 00-0798	EA	3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	168.41 17.87	39.68
22 13 16 00-0799	EA	4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	309.09 19.99	44.42
22 13 16 00-0800	EA	4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	334.72 21.65	48.05
<b>22 13 16 00-0801</b>		<b>Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bend</b> <small>(22 13 16 00-0721)</small>		
22 13 16 00-0802	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	229.05 19.38	43.00
22 13 16 00-0803	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	466.09 26.05	57.85
<b>22 13 16 00-0804</b>		<b>Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Combination Wye And 1/8 Bend</b> <small>(22 13 16 00-0721)</small>		
22 13 16 00-0805	EA	2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	189.87 17.26	38.37
22 13 16 00-0806	EA	3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	448.52 22.72	50.48
<b>22 13 16 00-0807</b>		<b>Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug</b> <small>(22 13 16 00-0721)</small>		
22 13 16 00-0808	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug..... <i>For Work In Restricted Working Space, Add</i>	120.07 11.36	25.24
22 13 16 00-0809	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug..... <i>For Work In Restricted Working Space, Add</i>	151.59 14.54	32.31
22 13 16 00-0810	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug..... <i>For Work In Restricted Working Space, Add</i>	242.29 19.53	43.41
22 13 16 00-0811	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug..... <i>For Work In Restricted Working Space, Add</i>	406.91 22.72	50.48
<b>22 13 16 00-0812</b>		<b>Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug</b> <small>(22 13 16 00-0721)</small>		
22 13 16 00-0813	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug..... <i>For Work In Restricted Working Space, Add</i>	53.42 7.57	16.86
22 13 16 00-0814	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug..... <i>For Work In Restricted Working Space, Add</i>	77.79 9.69	21.51
22 13 16 00-0815	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug..... <i>For Work In Restricted Working Space, Add</i>	113.30 13.02	28.87
22 13 16 00-0816	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug..... <i>For Work In Restricted Working Space, Add</i>	215.03 15.14	33.62
22 13 16 00-0817	EA	6" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug..... <i>For Work In Restricted Working Space, Add</i>	517.36 19.69	43.72
<b>22 13 16 00-0818</b>		<b>Acrylonitrile Butadiene Styrene (ABS) DWV Couplings</b> <small>(22 13 16 00-0721)</small>		
22 13 16 00-0819	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings..... <i>For Work In Restricted Working Space, Add</i>	34.95 7.57	16.86
22 13 16 00-0820	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings..... <i>For Work In Restricted Working Space, Add</i>	42.55 9.69	21.51
22 13 16 00-0821	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings..... <i>For Work In Restricted Working Space, Add</i>	71.27 13.02	28.87
22 13 16 00-0822	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings..... <i>For Work In Restricted Working Space, Add</i>	96.41 15.14	33.62
22 13 16 00-0823	EA	6" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings..... <i>For Work In Restricted Working Space, Add</i>	292.66 19.69	43.72
<b>22 13 16 00-0824</b>		<b>Acrylonitrile Butadiene Styrene (ABS) DWV Reducers</b> <small>(22 13 16 00-0721)</small>		
22 13 16 00-0825	EA	2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	53.39 8.63	19.18
22 13 16 00-0826	EA	3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	112.40 10.30	22.82
22 13 16 00-0827	EA	3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	103.32 11.36	25.24
22 13 16 00-0828	EA	4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	170.51 12.42	27.56
22 13 16 00-0829	EA	4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	182.03 14.08	31.29
<b>22 13 16 00-0830</b>		<b>Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps</b> <small>(22 13 16 00-0721)</small>		
22 13 16 00-0831	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	85.60 11.36	25.24

**22 Plumbing****22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0832	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	125.72 14.54	32.31
22 13 16 00-0833	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	419.04 19.53	43.41
22 13 16 00-0834	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	800.83 22.72	50.48
<b>22 13 16 00-0835</b>			<b>Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges</b> (22 13 16 00-0721)		
22 13 16 00-0836	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges <i>For Work In Restricted Working Space, Add</i>	117.14 15.14	33.62
22 13 16 00-0837	EA		4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges <i>For Work In Restricted Working Space, Add</i>	109.46 14.08	31.29
<b>22 13 16 00-0838</b>			<b>Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters</b> (22 13 16 00-0721)		
22 13 16 00-0839	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters <i>For Work In Restricted Working Space, Add</i>	25.01 3.79	8.37
22 13 16 00-0840	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters <i>For Work In Restricted Working Space, Add</i>	38.12 4.85	10.80
22 13 16 00-0841	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters <i>For Work In Restricted Working Space, Add</i>	85.71 6.51	14.43
22 13 16 00-0842	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters <i>For Work In Restricted Working Space, Add</i>	166.83 7.57	16.86
<b>22 13 16 00-0843</b>			<b>Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushings</b> (22 13 16 00-0721)		
22 13 16 00-0844	EA		2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	39.01 8.63	19.18
22 13 16 00-0845	EA		3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	89.58 10.30	22.82
22 13 16 00-0846	EA		3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	72.97 11.36	25.24
22 13 16 00-0847	EA		4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	168.73 12.42	27.56
22 13 16 00-0848	EA		4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	120.74 14.08	31.29
22 13 16 00-0849	EA		6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	343.93 16.37	36.34
<b>22 13 16 00-0850</b>			<b>Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Couplings</b> (22 13 16 00-0721)		
22 13 16 00-0851	EA		1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling <i>For Work In Restricted Working Space, Add</i>	106.50 7.57	16.86
22 13 16 00-0852	EA		2" x 2" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling <i>For Work In Restricted Working Space, Add</i>	118.99 9.69	21.51
22 13 16 00-0853	EA		3" x 3" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling <i>For Work In Restricted Working Space, Add</i>	135.51 13.02	28.87
22 13 16 00-0854	EA		4" x 4" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling <i>For Work In Restricted Working Space, Add</i>	148.00 15.14	33.62
<b>22 13 16 00-0855</b>			<b>Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe</b> (22 13 16 00-0708) Note: In place piping.		
22 13 16 00-0856	EA		1-1/2", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	7.40	
22 13 16 00-0857	EA		2", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	8.14	
22 13 16 00-0858	EA		3", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	10.35	
22 13 16 00-0859	EA		4", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	13.98	
22 13 16 00-0860	EA		6", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	19.97	
<b>22 13 16 00-0861</b>			<b>Elastomeric Flexible Pipe Couplings</b> (22 13 16)		
<b>22 13 16 00-0862</b>			<b>Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Couplings</b> (22 13 16 00-0861) Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps.		
22 13 16 00-0863	EA		1-1/4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-125) <i>For Work In Restricted Working Space, Add</i>	12.60 2.63	4.38
22 13 16 00-0864	EA		1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-150) <i>For Work In Restricted Working Space, Add</i>	13.56 2.80	4.66
22 13 16 00-0865	EA		2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-22) <i>For Work In Restricted Working Space, Add</i>	14.26 2.96	4.94
22 13 16 00-0866	EA		3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-33) <i>For Work In Restricted Working Space, Add</i>	16.37 3.13	5.21
22 13 16 00-0867	EA		4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-44) <i>For Work In Restricted Working Space, Add</i>	18.41 3.29	5.48
22 13 16 00-0868	EA		5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-55) <i>For Work In Restricted Working Space, Add</i>	23.18 3.45	5.75
22 13 16 00-0869	EA		6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-66) <i>For Work In Restricted Working Space, Add</i>	27.99 3.62	6.03
22 13 16 00-0870	EA		8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-88) <i>For Work In Restricted Working Space, Add</i>	37.66 3.95	6.58
22 13 16 00-0871	EA		10" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1010) <i>For Work In Restricted Working Space, Add</i>	49.41 4.61	7.68

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>22 13 16 00-0872 Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Couplings</b> <small>(22 13 16 00-0861)</small>		
Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps.		
22 13 16 00-0873 EA 1-1/2" x 1-1/4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-150/125) .....	13.41	4.66
For Work In Restricted Working Space, Add .....		
	2.80	
22 13 16 00-0874 EA 2" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-215) .....	14.51	4.94
For Work In Restricted Working Space, Add .....		
	2.96	
22 13 16 00-0875 EA 3" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-315) .....	17.60	5.21
For Work In Restricted Working Space, Add .....		
	3.13	
22 13 16 00-0876 EA 3" x 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-32) .....	15.92	5.21
For Work In Restricted Working Space, Add .....		
	3.13	
22 13 16 00-0877 EA 4" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-415) .....	21.43	5.48
For Work In Restricted Working Space, Add .....		
	3.29	
22 13 16 00-0878 EA 4" x 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-42) .....	20.57	5.48
For Work In Restricted Working Space, Add .....		
	3.29	
22 13 16 00-0879 EA 4" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-43) .....	18.98	5.48
For Work In Restricted Working Space, Add .....		
	3.29	
22 13 16 00-0880 EA 5" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-53) .....	26.92	5.75
For Work In Restricted Working Space, Add .....		
	3.45	
22 13 16 00-0881 EA 5" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-54) .....	24.48	5.75
For Work In Restricted Working Space, Add .....		
	3.45	
22 13 16 00-0882 EA 6" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-63) .....	33.02	6.03
For Work In Restricted Working Space, Add .....		
	3.62	
22 13 16 00-0883 EA 6" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-64) .....	29.38	6.03
For Work In Restricted Working Space, Add .....		
	3.62	
22 13 16 00-0884 EA 6" x 5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-65) .....	30.39	6.03
For Work In Restricted Working Space, Add .....		
	3.62	
22 13 16 00-0885 EA 8" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-84) .....	59.43	10.96
For Work In Restricted Working Space, Add .....		
	6.58	
22 13 16 00-0886 EA 8" x 6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-86) .....	49.32	10.96
For Work In Restricted Working Space, Add .....		
	6.58	
22 13 16 00-0887 EA 10" x 8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-10-8) .....	61.97	12.33
For Work In Restricted Working Space, Add .....		
	7.40	

<b>22 13 16 00-0888 Elastomeric Flexible Pipe Caps (Fernco QC)</b> <small>(22 13 16)</small>		
Note: For cast iron, steel, copper or plastic pipe. Includes stainless steel clamp.		
22 13 16 00-0889 EA 1-1/2" Elastomeric Flexible Pipe Cap (Fernco QC-101) .....	47.91	29.59
22 13 16 00-0890 EA 2" Elastomeric Flexible Pipe Cap (Fernco QC-102) .....	51.35	31.47
22 13 16 00-0891 EA 3" Elastomeric Flexible Pipe Cap (Fernco QC-103) .....	59.40	36.07
22 13 16 00-0892 EA 4" Elastomeric Flexible Pipe Cap (Fernco QC-104) .....	78.41	47.68
22 13 16 00-0893 EA 5" Elastomeric Flexible Pipe Cap (Fernco QC-105) .....	93.95	57.00
22 13 16 00-0894 EA 6" Elastomeric Flexible Pipe Cap (Fernco QC-106) .....	108.45	65.78
22 13 16 00-0895 EA 8" Elastomeric Flexible Pipe Cap (Fernco QC-108) .....	144.75	83.31
22 13 16 00-0896 EA 10" Elastomeric Flexible Pipe Cap (Fernco QC-110) .....	176.64	93.18
22 13 16 00-0897 EA 12" Elastomeric Flexible Pipe Cap (Fernco QC-112) .....	221.36	103.60

<b>22 13 16 00-0898 Cast Iron Vent Stack Flashing Sleeves With Caulking Recess (Josam 26450 Series)</b> <small>(22 13 16)</small>		
22 13 16 00-0899 EA 1-1/2" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess .....	92.81	22.72
22 13 16 00-0900 EA 2" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess .....	97.86	25.24
22 13 16 00-0901 EA 3" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess .....	146.85	32.81
22 13 16 00-0902 EA 4" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess .....	172.18	37.86
22 13 16 00-0903 EA 5" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess .....	200.88	42.90
22 13 16 00-0904 EA 6" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess .....	339.58	47.95

<b>22 13 16 00-0905 Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess (Josam 26440 Series)</b> <small>(22 13 16)</small>		
22 13 16 00-0906 EA 1-1/2" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess .....	193.71	22.72
22 13 16 00-0907 EA 2" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess .....	198.76	25.24
22 13 16 00-0908 EA 3" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess .....	236.07	32.81
22 13 16 00-0909 EA 4" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess .....	295.59	37.86
22 13 16 00-0910 EA 5" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess .....	404.55	42.90
22 13 16 00-0911 EA 6" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess .....	414.64	47.95

<b>22 13 16 00-0912 Cast Iron Vandal Proof Hooded Vent Cap (Josam 26700 Series)</b> <small>(22 13 16)</small>		
Note: Includes counterflashing collar, deep protective hood and recessed securing screws.		
22 13 16 00-0913 EA 1-1/2" Cast Iron Vandal Proof Hooded Vent Cap .....	370.31	22.72
22 13 16 00-0914 EA 2" Cast Iron Vandal Proof Hooded Vent Cap .....	375.36	25.24
22 13 16 00-0915 EA 3" Cast Iron Vandal Proof Hooded Vent Cap .....	431.11	32.81
22 13 16 00-0916 EA 4" Cast Iron Vandal Proof Hooded Vent Cap .....	485.21	37.86
22 13 16 00-0917 EA 5" Cast Iron Vandal Proof Hooded Vent Cap .....	566.37	42.90
22 13 16 00-0918 EA 6" Cast Iron Vandal Proof Hooded Vent Cap .....	618.77	47.95

**22 13 19 Sanitary Waste Piping Specialties** (22 13)

**22 13 19 13 Sanitary Drains** (22 13 19)

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 13 Facility Sanitary Sewerage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19	13-0001		<b>Round Top Floor Drains</b> <small>(22 13 19 13)</small>		
22 13 19	13-0002	EA	Bronze Top, 6" Round Top Floor Drain With 1-1/2" Outlet.....	737.59	108.53
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19	13-0003	EA	Bronze Top, 6" Round Top Floor Drain With 2" Outlet.....	810.37	121.65
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19	13-0004	EA	Bronze Top, 6" Round Top Floor Drain With 3" Outlet.....	789.78	134.57
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19	13-0005	EA	Bronze Top, 6" Round Top Floor Drain With 4" Outlet.....	817.50	148.51
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19	13-0006	EA	Cast Iron Top, 9" Round Top Floor Drain With 2" Outlet.....	739.84	121.65
			<i>For Ductile Iron Grate, Add</i>	48.00	
			<i>For Cast Iron Dome Grate, Add</i>	17.00	
			<i>For Nikaloy Dome Grate, Add</i>	178.50	
			<i>For Bronze Dome Grate, Add</i>	143.00	
			<i>For Cast Iron Extension Collar, Each 3", Add</i>	57.50	
			<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
22 13 19	13-0007	EA	Cast Iron Top, 9" Round Top Floor Drain With 3" Outlet.....	765.79	134.57
			<i>For Ductile Iron Grate, Add</i>	48.00	
			<i>For Cast Iron Dome Grate, Add</i>	17.00	
			<i>For Nikaloy Dome Grate, Add</i>	178.50	
			<i>For Bronze Dome Grate, Add</i>	143.00	
			<i>For Cast Iron Extension Collar, Each 3", Add</i>	57.50	
			<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
22 13 19	13-0008	EA	Cast Iron Top, 9" Round Top Floor Drain With 4" Outlet.....	793.51	148.51
			<i>For Ductile Iron Grate, Add</i>	48.00	
			<i>For Cast Iron Dome Grate, Add</i>	17.00	
			<i>For Nikaloy Dome Grate, Add</i>	178.50	
			<i>For Bronze Dome Grate, Add</i>	143.00	
			<i>For Cast Iron Extension Collar, Each 3", Add</i>	57.50	
			<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
22 13 19	13-0009	EA	Nikaloy Top, 9" Round Top Floor Drain With 2" Outlet.....	1,234.03	121.65
			<i>For Ductile Iron Grate, Add</i>	48.00	
			<i>For Cast Iron Dome Grate, Add</i>	17.00	
			<i>For Nikaloy Dome Grate, Add</i>	178.50	
			<i>For Bronze Dome Grate, Add</i>	143.00	
			<i>For Cast Iron Extension Collar, Each 3", Add</i>	57.50	
			<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
22 13 19	13-0010	EA	Nikaloy Top, 9" Round Top Floor Drain With 3" Outlet.....	1,259.98	134.57
			<i>For Ductile Iron Grate, Add</i>	48.00	
			<i>For Cast Iron Dome Grate, Add</i>	17.00	
			<i>For Nikaloy Dome Grate, Add</i>	178.50	
			<i>For Bronze Dome Grate, Add</i>	143.00	
			<i>For Cast Iron Extension Collar, Each 3", Add</i>	57.50	
			<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
22 13 19	13-0011	EA	Nikaloy Top, 9" Round Top Floor Drain With 4" Outlet.....	1,287.70	148.51
			<i>For Ductile Iron Grate, Add</i>	48.00	
			<i>For Cast Iron Dome Grate, Add</i>	17.00	
			<i>For Nikaloy Dome Grate, Add</i>	178.50	
			<i>For Bronze Dome Grate, Add</i>	143.00	
			<i>For Cast Iron Extension Collar, Each 3", Add</i>	57.50	
			<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
22 13 19	13-0012	EA	Bronze Top, 9" Round Top Floor Drain With 2" Outlet.....	1,162.06	121.65
			<i>For Ductile Iron Grate, Add</i>	48.00	
			<i>For Cast Iron Dome Grate, Add</i>	17.00	
			<i>For Nikaloy Dome Grate, Add</i>	178.50	
			<i>For Bronze Dome Grate, Add</i>	143.00	
			<i>For Cast Iron Extension Collar, Each 3", Add</i>	57.50	
			<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
22 13 19	13-0013	EA	Bronze Top, 9" Round Top Floor Drain With 3" Outlet.....	1,187.87	134.57
			<i>For Ductile Iron Grate, Add</i>	48.00	
			<i>For Cast Iron Dome Grate, Add</i>	17.00	
			<i>For Nikaloy Dome Grate, Add</i>	178.50	
			<i>For Bronze Dome Grate, Add</i>	143.00	
			<i>For Cast Iron Extension Collar, Each 3", Add</i>	57.50	
			<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0014 EA Bronze Top, 9" Round Top Floor Drain With 4" Outlet.....	1,215.73	148.51
For Ductile Iron Grate, Add	48.00	
For Cast Iron Dome Grate, Add	17.00	
For Nikaloy Dome Grate, Add	178.50	
For Bronze Dome Grate, Add	143.00	
For Cast Iron Extension Collar, Each 3", Add	57.50	
For Galvanized Extension Collar, Each 3", Add	117.50	
For Galvanized Cast Iron Parts, Add	87.50	
For Vandal Proof Screws, Add	30.50	
22 13 19 13-0015 EA Cast Iron Top, 12-5/8" Round Top Floor Drain With 2" Outlet .....	1,277.10	121.55
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Galvanized Cast Iron Parts, Add	132.00	
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
For Vandal Proof Screws, Add	30.50	
22 13 19 13-0016 EA Cast Iron Top, 12-5/8" Round Top Floor Drain With 3" Outlet .....	1,303.02	134.57
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Galvanized Cast Iron Parts, Add	132.00	
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
For Vandal Proof Screws, Add	30.50	
22 13 19 13-0017 EA Cast Iron Top, 12-5/8" Round Top Floor Drain With 4" Outlet .....	1,330.88	148.51
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Galvanized Cast Iron Parts, Add	132.00	
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
For Vandal Proof Screws, Add	30.50	
22 13 19 13-0018 EA Nikaloy Top, 12-5/8" Round Top Floor Drain With 2" Outlet .....	2,015.97	121.55
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Galvanized Cast Iron Parts, Add	132.00	
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
For Vandal Proof Screws, Add	30.50	
22 13 19 13-0019 EA Nikaloy Top, 12-5/8" Round Top Floor Drain With 3" Outlet .....	2,041.89	134.57
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Galvanized Cast Iron Parts, Add	132.00	
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
For Vandal Proof Screws, Add	30.50	
22 13 19 13-0020 EA Nikaloy Top, 12-5/8" Round Top Floor Drain With 4" Outlet .....	2,069.75	148.51
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Galvanized Cast Iron Parts, Add	132.00	
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
For Vandal Proof Screws, Add	30.50	
22 13 19 13-0021 EA Bronze Top, 12-5/8" Round Top Floor Drain With 2" Outlet.....	1,917.62	121.55
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Galvanized Cast Iron Parts, Add	132.00	
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
For Vandal Proof Screws, Add	30.50	
22 13 19 13-0022 EA Bronze Top, 12-5/8" Round Top Floor Drain With 3" Outlet.....	1,943.54	134.57
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Galvanized Cast Iron Parts, Add	132.00	
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
For Vandal Proof Screws, Add	30.50	

**22 Plumbing****22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

22 13 19 13-0023	EA	Bronze Top, 12-5/8" Round Top Floor Drain With 4" Outlet.....	1,971.40	148.51
		<i>For Ductile Iron Grate, Add</i>	53.00	
		<i>For Cast Iron Dome Grate, Add</i>	28.00	
		<i>For Nikaloy Dome Grate, Add</i>	255.00	
		<i>For Cast Iron Extension Collar, Each 2", Add</i>	51.00	
		<i>For Galvanized Extension Collar, Each 2", Add</i>	102.50	
		<i>For Galvanized Cast Iron Parts, Add</i>	132.00	
		<i>For Primer Tap, Add</i>	33.50	
		<i>For Chained Grate, Add</i>	48.50	
		<i>For Vandal Proof Screws, Add</i>	30.50	
<b>22 13 19 13-0024</b>		<b>Square Or Rectangular Top Drains <small>(22 13 19 13)</small></b>		
22 13 19 13-0025	EA	5" x 5" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	876.47	121.55
		<i>For Sediment Bucket, Add</i>	22.50	
		<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
		<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0026	EA	5" x 5" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	902.67	134.67
		<i>For Sediment Bucket, Add</i>	22.50	
		<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
		<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0027	EA	5" x 5" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	930.25	148.51
		<i>For Sediment Bucket, Add</i>	22.50	
		<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
		<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0028	EA	6" x 6" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	948.44	121.55
		<i>For Sediment Bucket, Add</i>	22.50	
		<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
		<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0029	EA	6" x 6" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	974.64	134.67
		<i>For Sediment Bucket, Add</i>	22.50	
		<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
		<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0030	EA	6" x 6" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	1,002.22	148.51
		<i>For Sediment Bucket, Add</i>	22.50	
		<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
		<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0031	EA	8" x 8" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	1,265.10	121.55
		<i>For Sediment Bucket, Add</i>	22.50	
		<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
		<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0032	EA	8" x 8" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	1,291.30	134.67
		<i>For Sediment Bucket, Add</i>	22.50	
		<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
		<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0033	EA	8" x 8" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	1,318.88	148.51
		<i>For Sediment Bucket, Add</i>	22.50	
		<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
		<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0034	EA	5" x 5" Floor Drain With 2" Bottom Outlet, Bronze Top.....	823.70	121.55
		<i>For Sediment Bucket, Add</i>	22.50	
		<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
		<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0035	EA	5" x 5" Floor Drain With 3" Bottom Outlet, Bronze Top.....	849.90	134.67
		<i>For Sediment Bucket, Add</i>	22.50	
		<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
		<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0036	EA	5" x 5" Floor Drain With 4" Bottom Outlet, Bronze Top.....	877.48	148.51
		<i>For Sediment Bucket, Add</i>	22.50	
		<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
		<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0037	EA	6" x 6" Floor Drain With 2" Bottom Outlet, Bronze Top.....	914.86	121.55
		<i>For Sediment Bucket, Add</i>	22.50	
		<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
		<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0038	EA	6" x 6" Floor Drain With 3" Bottom Outlet, Bronze Top.....	941.06	134.67
		<i>For Sediment Bucket, Add</i>	22.50	
		<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
		<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0039	EA	6" x 6" Floor Drain With 4" Bottom Outlet, Bronze Top.....	968.64	148.51
		<i>For Sediment Bucket, Add</i>	22.50	
		<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
		<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0040	EA	8" x 8" Floor Drain With 2" Bottom Outlet, Bronze Top.....	1,171.54	121.55
		<i>For Sediment Bucket, Add</i>	22.50	
		<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
		<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0041	EA	8" x 8" Floor Drain With 3" Bottom Outlet, Bronze Top.....	1,197.74	134.67
		<i>For Sediment Bucket, Add</i>	22.50	
		<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
		<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0042	EA	8" x 8" Floor Drain With 4" Bottom Outlet, Bronze Top.....	1,225.32	148.51
		<i>For Sediment Bucket, Add</i>	22.50	
		<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
		<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0043	EA	12" x 12" Can Wash Drain With 3" Bottom Outlet, Cast Iron Top .....	3,049.73	134.67
		<i>For Galvanized Cast Iron Parts, Add</i>	318.00	
		<i>For No-Hub Side Outlet, Add</i>	76.00	
		<i>For Chained Grate, Add</i>	48.50	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0044	EA		12" x 12" Can Wash Drain With 4" Bottom Outlet, Cast Iron Top ..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For No-Hub Side Outlet, Add</i> <i>For Chained Grate, Add</i>	3,077.31 318.00 76.00 48.50	148.51
22 13 19 13-0045	EA		12" x 12" Can Wash Drain With 3" Bottom Outlet, Nikaloy Top ..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For No-Hub Side Outlet, Add</i> <i>For Chained Grate, Add</i>	3,831.79 318.00 76.00 48.50	134.67
22 13 19 13-0046	EA		12" x 12" Can Wash Drain With 4" Bottom Outlet, Nikaloy Top ..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For No-Hub Side Outlet, Add</i> <i>For Chained Grate, Add</i>	3,859.37 318.00 76.00 48.50	148.51
22 13 19 13-0047	EA		12" x 12" Can Wash Drain With 3" Bottom Outlet, Bronze Top ..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For No-Hub Side Outlet, Add</i> <i>For Chained Grate, Add</i>	3,738.23 318.00 76.00 48.50	134.67
22 13 19 13-0048	EA		12" x 12" Can Wash Drain With 4" Bottom Outlet, Bronze Top ..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For No-Hub Side Outlet, Add</i> <i>For Chained Grate, Add</i>	3,765.81 318.00 76.00 48.50	148.51
22 13 19 13-0049	EA		5" x 9" Floor Drain With 2" Bottom Outlet, Nikaloy Top ..... <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,284.29 120.94 22.50 11.00	121.55
22 13 19 13-0050	EA		5" x 9" Floor Drain With 3" Bottom Outlet, Nikaloy Top ..... <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,310.49 120.94 22.50 11.00	134.67
22 13 19 13-0051	EA		5" x 9" Floor Drain With 4" Bottom Outlet, Nikaloy Top ..... <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,338.07 120.94 22.50 11.00	148.51
22 13 19 13-0052	EA		5" x 13" Floor Drain With 2" Bottom Outlet, Nikaloy Top ..... <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,656.13 120.94 22.50 11.00	121.55
22 13 19 13-0053	EA		5" x 13" Floor Drain With 3" Bottom Outlet, Nikaloy Top ..... <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,682.33 120.94 22.50 11.00	134.67
22 13 19 13-0054	EA		5" x 13" Floor Drain With 4" Bottom Outlet, Nikaloy Top ..... <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,709.91 120.94 22.50 11.00	148.51
22 13 19 13-0055	EA		5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Nikaloy Top ..... <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,742.49 120.94 22.50 11.00	121.55
22 13 19 13-0056	EA		5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Nikaloy Top ..... <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,768.69 120.94 22.50 11.00	134.67
22 13 19 13-0057	EA		5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Nikaloy Top ..... <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,796.27 120.94 22.50 11.00	148.51
22 13 19 13-0058	EA		5" x 21" Floor Drain With 2" Bottom Outlet, Nikaloy Top ..... <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	2,411.80 120.94 22.50 11.00	121.55
22 13 19 13-0059	EA		5" x 21" Floor Drain With 3" Bottom Outlet, Nikaloy Top ..... <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	2,438.00 120.94 22.50 11.00	134.67
22 13 19 13-0060	EA		5" x 21" Floor Drain With 4" Bottom Outlet, Nikaloy Top ..... <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	2,465.58 120.94 22.50 11.00	148.51
22 13 19 13-0061	EA		5" x 9" Floor Drain With 2" Bottom Outlet, Bronze Top ..... <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,207.53 120.94 22.50 11.00	121.55
22 13 19 13-0062	EA		5" x 9" Floor Drain With 3" Bottom Outlet, Bronze Top ..... <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,233.73 120.94 22.50 11.00	134.67
22 13 19 13-0063	EA		5" x 9" Floor Drain With 4" Bottom Outlet, Bronze Top ..... <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,261.31 120.94 22.50 11.00	148.51
22 13 19 13-0064	EA		5" x 13" Floor Drain With 2" Bottom Outlet, Bronze Top ..... <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,524.19 120.94 22.50 11.00	121.55
22 13 19 13-0065	EA		5" x 13" Floor Drain With 3" Bottom Outlet, Bronze Top ..... <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,550.39 120.94 22.50 11.00	134.67

**22 Plumbing****22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
22 13 19 13-0066	EA 5" x 13" Floor Drain With 4" Bottom Outlet, Bronze Top .....	1,577.97	148.51
	For Rough Bronze Body, Add	120.94	
	For Sediment Bucket, Add	22.50	
	For Vandal Proof Screws, Add	11.00	
22 13 19 13-0067	EA 5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Bronze Top .....	1,610.55	121.55
	For Rough Bronze Body, Add	120.94	
	For Sediment Bucket, Add	22.50	
	For Vandal Proof Screws, Add	11.00	
22 13 19 13-0068	EA 5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Bronze Top .....	1,636.75	134.67
	For Rough Bronze Body, Add	120.94	
	For Sediment Bucket, Add	22.50	
	For Vandal Proof Screws, Add	11.00	
22 13 19 13-0069	EA 5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Bronze Top .....	1,664.33	148.51
	For Rough Bronze Body, Add	120.94	
	For Sediment Bucket, Add	22.50	
	For Vandal Proof Screws, Add	11.00	
22 13 19 13-0070	EA 5" x 21" Floor Drain With 2" Bottom Outlet, Bronze Top .....	2,155.11	121.55
	For Rough Bronze Body, Add	120.94	
	For Sediment Bucket, Add	22.50	
	For Vandal Proof Screws, Add	11.00	
22 13 19 13-0071	EA 5" x 21" Floor Drain With 3" Bottom Outlet, Bronze Top .....	2,181.31	134.67
	For Rough Bronze Body, Add	120.94	
	For Sediment Bucket, Add	22.50	
	For Vandal Proof Screws, Add	11.00	
22 13 19 13-0072	EA 5" x 21" Floor Drain With 4" Bottom Outlet, Bronze Top .....	2,208.89	148.51
	For Rough Bronze Body, Add	120.94	
	For Sediment Bucket, Add	22.50	
	For Vandal Proof Screws, Add	11.00	
<b>22 13 19 13-0073 Funnel Type Floor Drains (22 13 19 13)</b>			
22 13 19 13-0074	EA 7" Diameter Floor Drain With 4" Round Funnel With 1-1/2" Outlet, Bronze Top .....	1,212.67	108.53
	For Vandal Proof Screws, Add	11.00	
	For Galvanized Cast Iron Parts, Add	105.00	
	For Satin Finish Bronze Top, Deduct	-19.50	
22 13 19 13-0075	EA 7" Diameter Floor Drain With 4" Round Funnel With 2" Outlet, Bronze Top .....	1,238.71	121.55
	For Vandal Proof Screws, Add	11.00	
	For Galvanized Cast Iron Parts, Add	105.00	
	For Satin Finish Bronze Top, Deduct	-19.50	
22 13 19 13-0076	EA 7" Diameter Floor Drain With 4" Round Funnel With 3" Outlet, Bronze Top .....	1,264.63	134.57
	For Vandal Proof Screws, Add	11.00	
	For Galvanized Cast Iron Parts, Add	105.00	
	For Satin Finish Bronze Top, Deduct	-19.50	
22 13 19 13-0077	EA 7" Diameter Floor Drain With 4" Round Funnel With 4" Outlet, Bronze Top .....	1,292.49	148.51
	For Vandal Proof Screws, Add	11.00	
	For Galvanized Cast Iron Parts, Add	105.00	
	For Satin Finish Bronze Top, Deduct	-19.50	
22 13 19 13-0078	EA 7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Nikaloy Top .....	1,778.48	121.55
	For Vandal Proof Screws, Add	11.00	
	For Primer Tap, Add	15.10	
	For Galvanized Cast Iron Parts, Add	105.00	
	For Satin Finish Bronze Top, Deduct	-19.50	
22 13 19 13-0079	EA 7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Nikaloy Top .....	1,804.40	134.57
	For Vandal Proof Screws, Add	11.00	
	For Primer Tap, Add	15.10	
	For Galvanized Cast Iron Parts, Add	105.00	
	For Satin Finish Bronze Top, Deduct	-19.50	
22 13 19 13-0080	EA 7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Nikaloy Top .....	1,832.26	148.51
	For Vandal Proof Screws, Add	11.00	
	For Primer Tap, Add	15.10	
	For Galvanized Cast Iron Parts, Add	105.00	
	For Satin Finish Bronze Top, Deduct	-19.50	
22 13 19 13-0081	EA 7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Bronze Top .....	1,684.92	121.55
	For Vandal Proof Screws, Add	11.00	
	For Primer Tap, Add	15.10	
	For Galvanized Cast Iron Parts, Add	105.00	
	For Satin Finish Bronze Top, Deduct	-19.50	
22 13 19 13-0082	EA 7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Bronze Top .....	1,710.84	134.57
	For Vandal Proof Screws, Add	11.00	
	For Primer Tap, Add	15.10	
	For Galvanized Cast Iron Parts, Add	105.00	
	For Satin Finish Bronze Top, Deduct	-19.50	
22 13 19 13-0083	EA 7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Bronze Top .....	1,738.70	148.51
	For Vandal Proof Screws, Add	11.00	
	For Primer Tap, Add	15.10	
	For Galvanized Cast Iron Parts, Add	105.00	
	For Satin Finish Bronze Top, Deduct	-19.50	
<b>22 13 19 13-0084 Floor Drain With Sediment Bucket Bottom Outlet (22 13 19 13)</b>			
22 13 19 13-0085	EA 12-5/8" Round Floor Drain With Sediment Bucket, 2" Bottom Outlet, Satin Bronze Top, Without Trap .....	2,584.78	108.53
	For Galvanized Cast Iron Parts, Add	247.00	
	For Primer Tap, Add	33.50	
	For Vandal Proof Screws, Add	30.50	
22 13 19 13-0086	EA 12-5/8" Round Floor Drain With Sediment Bucket, 3" Bottom Outlet, Satin Bronze Top, Without Trap .....	2,610.91	121.55
	For Galvanized Cast Iron Parts, Add	247.00	
	For Primer Tap, Add	33.50	
	For Vandal Proof Screws, Add	30.50	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0087	EA			12-5/8" Round Floor Drain With Sediment Bucket, 4" Bottom Outlet, Satin Bronze Top, Without Trap..... For Galvanized Cast Iron Parts, Add For Primer Tap, Add For Vandal Proof Screws, Add	2,636.83 247.00 33.50 30.50	134.57
22 13 19 13-0088	EA			12-5/8" Round Floor Drain With Sediment Bucket, 5" Bottom Outlet, Satin Bronze Top, Without Trap..... For Galvanized Cast Iron Parts, Add For Primer Tap, Add For Vandal Proof Screws, Add	2,664.69 247.00 33.50 30.50	148.51
22 13 19 13-0089	EA			12-5/8" Round Floor Drain With Sediment Bucket, 6" Bottom Outlet, Satin Bronze Top, Without Trap..... For Galvanized Cast Iron Parts, Add For Primer Tap, Add For Vandal Proof Screws, Add	2,693.42 247.00 33.50 30.50	162.84
22 13 19 13-0090	EA			12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate ..... For Vandal Proof Screws, Add For Primer Tap, Add For Aluminum Bucket, Add For Galvanized Cast Iron Parts, Add	2,793.23 29.50 31.00 77.50 273.75	121.55
22 13 19 13-0091	EA			12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate ..... For Vandal Proof Screws, Add For Primer Tap, Add For Aluminum Bucket, Add For Galvanized Cast Iron Parts, Add	2,819.43 29.50 31.00 77.50 273.75	134.67
22 13 19 13-0092	EA			12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate ..... For Vandal Proof Screws, Add For Primer Tap, Add For Aluminum Bucket, Add For Galvanized Cast Iron Parts, Add	2,847.01 29.50 31.00 77.50 273.75	148.51
22 13 19 13-0093	EA			12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate ..... For Vandal Proof Screws, Add For Primer Tap, Add For Aluminum Bucket, Add For Galvanized Cast Iron Parts, Add	2,875.74 29.50 31.00 77.50 273.75	162.84
22 13 19 13-0094	EA			12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate ..... For Vandal Proof Screws, Add For Primer Tap, Add For Aluminum Bucket, Add For Galvanized Cast Iron Parts, Add	1,711.31 29.50 31.00 77.50 273.75	121.55
22 13 19 13-0095	EA			12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate ..... For Vandal Proof Screws, Add For Primer Tap, Add For Aluminum Bucket, Add For Galvanized Cast Iron Parts, Add	1,737.51 29.50 31.00 77.50 273.75	134.67
22 13 19 13-0096	EA			12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate ..... For Vandal Proof Screws, Add For Primer Tap, Add For Aluminum Bucket, Add For Galvanized Cast Iron Parts, Add	1,765.09 29.50 31.00 77.50 273.75	148.51
22 13 19 13-0097	EA			12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate ..... For Vandal Proof Screws, Add For Primer Tap, Add For Aluminum Bucket, Add For Galvanized Cast Iron Parts, Add	1,793.82 29.50 31.00 77.50 273.75	162.84
22 13 19 13-0098	EA			12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate ..... For Vandal Proof Screws, Add For Primer Tap, Add For Aluminum Bucket, Add For Galvanized Cast Iron Parts, Add	2,606.12 29.50 31.00 77.50 273.75	121.55
22 13 19 13-0099	EA			12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate ..... For Vandal Proof Screws, Add For Primer Tap, Add For Aluminum Bucket, Add For Galvanized Cast Iron Parts, Add	2,632.32 29.50 31.00 77.50 273.75	134.67
22 13 19 13-0100	EA			12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate ..... For Vandal Proof Screws, Add For Primer Tap, Add For Aluminum Bucket, Add For Galvanized Cast Iron Parts, Add	2,659.90 29.50 31.00 77.50 273.75	148.51
22 13 19 13-0101	EA			12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate ..... For Vandal Proof Screws, Add For Primer Tap, Add For Aluminum Bucket, Add For Galvanized Cast Iron Parts, Add	2,688.63 29.50 31.00 77.50 273.75	162.84
22 13 19 13-0102				<b>Other Drains</b> (22 13 19 13)		
22 13 19 13-0103				<b>Shower Drains</b> (22 13 19 13-0102)		
22 13 19 13-0104	EA			4-1/4" Stainless Steel Shower Drain Strainer ..... Note: Includes two 2-5/8" screws.	43.91	10.96

**22 Plumbing****22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
22 13 19 13-0105	EA 4-1/4" Brass Shower Drain Strainer ..... Note: Includes two 2-5/8" screws.	48.71	10.96
22 13 19 13-0106	EA 4" Brass Shower Drain For Polyvinyl Chloride (PVC) Pipe ..... Note: Fits over 2" polyvinyl chloride (PVC) pipe or inside 3" polyvinyl chloride (PVC) pipe.	101.62	21.93
22 13 19 13-0107	EA 4" Chrome Finish, Threaded Brass Shower Drain And Gasket..... Note: For 2" pipe. Kohler K-9132.	129.22	21.93
<b>22 13 19 13-0108</b>	<b>Acid Resistant Floor Drains</b> (22 13 19 13-0102)		
22 13 19 13-0109	EA 9" Diameter Floor Drain With 2" Bottom Outlet, Acid Resistant Top ..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Primer Tap, Add</i> <i>For Vandal Proof Screws, Add</i>	1,222.18 87.50 33.50 30.50	108.53
22 13 19 13-0110	EA 9" Diameter Floor Drain With 3" Bottom Outlet, Acid Resistant Top ..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Primer Tap, Add</i> <i>For Vandal Proof Screws, Add</i>	1,248.31 87.50 33.50 30.50	121.55
22 13 19 13-0111	EA 9" Diameter Floor Drain With 4" Bottom Outlet, Acid Resistant Top ..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Primer Tap, Add</i> <i>For Vandal Proof Screws, Add</i>	1,274.23 87.50 33.50 30.50	134.57
<b>22 13 19 13-0112</b>	<b>Rotary And Lever Drains</b> (22 13 19 13-0102)		
22 13 19 13-0113	EA 1-1/2" Drain, 3" Sink Opening Lever Drain.....	244.63	73.20
22 13 19 13-0114	EA 2" Drain, 3" Sink Opening Lever Drain.....	259.77	80.76
22 13 19 13-0115	EA 1-1/2" Drain, 3-1/2" Sink Opening Lever Drain.....	244.63	73.20
22 13 19 13-0116	EA 2" Drain, 3-1/2" Sink Opening Lever Drain.....	259.77	80.76
22 13 19 13-0117	EA 1-1/2" Drain, 3" Sink Opening Twist Drain .....	244.63	73.20
22 13 19 13-0118	EA 2" Drain, 3" Sink Opening Twist Drain .....	259.77	80.76
22 13 19 13-0119	EA 1-1/2" Drain, 3-1/2" Sink Opening Twist Drain .....	244.63	73.20
22 13 19 13-0120	EA 2" Drain, 3-1/2" Sink Opening Twist Drain .....	259.77	80.76
22 13 19 13-0121	EA 1-1/2"-2" Drain, 3-1/2" Sink Opening Rotary Twist Drain (Fisher 16100).....	335.58	80.76
<b>22 13 19 13-0122</b>	<b>Floor Receptor</b> (22 13 19 13)		
<b>22 13 19 13-0123</b>	<b>9" Diameter Round Shallow Receptor</b> (22 13 19 13-0122) Note: With slotted medium duty grate, aluminum secondary strainer and white acid resisting coated interior and top.		
22 13 19 13-0124	EA 9" Diameter x 3" Shallow Cast Iron Floor Receptor, 2" Drain Connection..... <i>For Flange With Seepage Holes, Add</i> <i>For Flange With Seepage Holes And Clamp Collar, Add</i> <i>For Trap Primer Connection, Add</i> <i>For Full Grate With 2" Square Center Opening, Add</i> <i>For Vandal Proof Secured Grate, Add</i> <i>For White Acid Resistant Bucket, Add</i> <i>For Stainless Steel Liner For Bucket, Add</i>	1,500.36 58.50 97.00 38.00 36.00 33.50 47.00 62.50	121.65
22 13 19 13-0125	EA 9" Diameter x 3" Shallow Cast Iron Floor Receptor, 3" Drain Connection..... <i>For Flange With Seepage Holes, Add</i> <i>For Flange With Seepage Holes And Clamp Collar, Add</i> <i>For Trap Primer Connection, Add</i> <i>For Full Grate With 2" Square Center Opening, Add</i> <i>For Vandal Proof Secured Grate, Add</i> <i>For White Acid Resistant Bucket, Add</i> <i>For Stainless Steel Liner For Bucket, Add</i>	1,526.69 58.50 97.00 38.00 36.00 33.50 47.00 62.50	134.77
22 13 19 13-0126	EA 9" Diameter x 3" Shallow Cast Iron Floor Receptor, 4" Drain Connection..... <i>For Flange With Seepage Holes, Add</i> <i>For Flange With Seepage Holes And Clamp Collar, Add</i> <i>For Trap Primer Connection, Add</i> <i>For Full Grate With 2" Square Center Opening, Add</i> <i>For Vandal Proof Secured Grate, Add</i> <i>For White Acid Resistant Bucket, Add</i> <i>For Stainless Steel Liner For Bucket, Add</i>	1,553.98 58.50 97.00 38.00 36.00 33.50 47.00 62.50	148.51
<b>22 13 19 13-0127</b>	<b>Square Top Floor Receptors</b> (22 13 19 13-0122) Note: With acid resistant coating.		
22 13 19 13-0128	EA 8" x 8" Floor Drain With 1-1/2" Bottom Outlet, Acid Resistant Top ..... <i>For Flange With Seepage Holes, Add</i> <i>For Flange With Seepage Holes And Clamp Collar, Add</i> <i>For Trap Primer Connection, Add</i> <i>For Full Grate With 2" Square Center Opening, Add</i> <i>For Vandal Proof Secured Grate, Add</i> <i>For White Acid Resistant Bucket, Add</i> <i>For Stainless Steel Liner For Bucket, Add</i>	1,771.63 37.50 69.00 39.50 36.00 15.50 88.00 97.00	108.53
22 13 19 13-0129	EA 8" x 8" Floor Drain With 2" Bottom Outlet, Acid Resistant Top..... <i>For Flange With Seepage Holes, Add</i> <i>For Flange With Seepage Holes And Clamp Collar, Add</i> <i>For Trap Primer Connection, Add</i> <i>For Full Grate With 2" Square Center Opening, Add</i> <i>For Vandal Proof Secured Grate, Add</i> <i>For White Acid Resistant Bucket, Add</i> <i>For Stainless Steel Liner For Bucket, Add</i>	1,797.78 37.50 69.00 39.50 36.00 15.50 88.00 97.00	121.65

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 13 19 13-0130 EA 8" x 8" Floor Drain With 3" Bottom Outlet, Acid Resistant Top..... <i>For Flange With Seepage Holes, Add</i> <i>For Flange With Seepage Holes And Clamp Collar, Add</i> <i>For Trap Primer Connection, Add</i> <i>For Full Grate With 2" Square Center Opening, Add</i> <i>For Vandal Proof Secured Grate, Add</i> <i>For White Acid Resistant Bucket, Add</i> <i>For Stainless Steel Liner For Bucket, Add</i>	1,823.59 37.50 69.00 39.50 36.00 15.50 88.00 97.00	134.57
22 13 19 13-0131 EA 8" x 8" Floor Drain With 4" Bottom Outlet, Acid Resistant Top..... <i>For Flange With Seepage Holes, Add</i> <i>For Flange With Seepage Holes And Clamp Collar, Add</i> <i>For Trap Primer Connection, Add</i> <i>For Full Grate With 2" Square Center Opening, Add</i> <i>For Vandal Proof Secured Grate, Add</i> <i>For White Acid Resistant Bucket, Add</i> <i>For Stainless Steel Liner For Bucket, Add</i>	1,851.45 37.50 69.00 39.50 36.00 15.50 88.00 97.00	148.51

**22 13 19 13-0132 Floor Drain Accessories (22 13 19 13)**

22 13 19 13-0133 EA 3" Trap Guard Floor Drain Insert (ProVent TG3H)..... Note: Prevents emission of sewer gases.	93.40	12.62
22 13 19 13-0134 EA 2" Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG22) ..... Note: Prevents emission of sewer gases.	76.36	12.62
22 13 19 13-0135 EA 3" Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG33) ..... Note: Prevents emission of sewer gases.	83.18	12.62
22 13 19 13-0136 EA 3" Trap Guard Drain Insert For 4" Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG34IP)..... Note: Prevents emission of sewer gases.	100.22	12.62
22 13 19 13-0137 EA 3" Trap Guard Drain Insert For 4" Hub (ProVent TG34TP)..... Note: Prevents emission of sewer gases.	90.00	12.62
22 13 19 13-0138 EA 2" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-02) ..... Note: Prevents emission of sewer gases.	127.74	12.62
22 13 19 13-0139 EA 3" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-03) ..... Note: Prevents emission of sewer gases.	141.46	12.62
22 13 19 13-0140 EA 4" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-04) ..... Note: Prevents emission of sewer gases.	175.52	12.62

**22 13 19 26 Grease Removal Devices (22 13 19)**

**22 13 19 26-0001 Manual Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26)**

Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval and flow control fitting.

**22 13 19 26-0002 Standard Manual Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26-0001)**

Note: Josam 60100H/60210A, Smith 8100/8400, Wade 5100, or Zurn Z1173/Z1170 series.

22 13 19 26-0003 EA 7 GPM, 14 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60102H. <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,079.76  1,309.83	75.72
22 13 19 26-0004 EA 10 GPM, 20 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60103H. <i>For Flange And Clamp Device, Add</i> <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,258.67  373.74 1,383.80	170.36
22 13 19 26-0005 EA 15 GPM, 30 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60104H. <i>For Flange And Clamp Device, Add</i> <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,779.65  386.36 1,511.21	189.29
22 13 19 26-0006 EA 20 GPM, 40 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60105H. <i>For Flange And Clamp Device, Add</i> <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	2,146.97  398.98 1,633.18	208.22
22 13 19 26-0007 EA 25 GPM, 50 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60106H. <i>For Flange And Clamp Device, Add</i> <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	2,403.00  441.99 1,700.43	227.15
22 13 19 26-0008 EA 35 GPM, 70 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60107H. <i>For Flange And Clamp Device, Add</i> <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	2,949.22  478.43 1,870.77	265.01
22 13 19 26-0009 EA 50 GPM, 100 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60108H. <i>For Flange And Clamp Device, Add</i> <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	3,841.64  544.63 1,994.07	302.86
22 13 19 26-0010 EA 75 GPM, 150 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60109H. <i>For Flange And Clamp Device, Add</i>	7,519.51  771.15	340.72
22 13 19 26-0011 EA 100 GPM, 200 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60110H. <i>For Flange And Clamp Device, Add</i>	8,516.75  892.19	426.29
22 13 19 26-0012 EA 150 GPM, 300 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60213A. <i>For Flange And Clamp Device, Add</i>	10,529.30  1,222.71	682.06
22 13 19 26-0013 EA 200 GPM, 400 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60214A. <i>For Flange And Clamp Device, Add</i>	15,092.34  1,465.67	852.58
22 13 19 26-0014 EA 250 GPM, 500 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60215A. <i>For Flange And Clamp Device, Add</i>	17,609.41  1,892.30	1,023.10
22 13 19 26-0015 EA 350 GPM, 700 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60216A., <i>For Flange And Clamp Device, Add</i>	22,862.49  2,243.74	1,193.61

**22 Plumbing****22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
22 13 19 26-0016	EA 500 GPM, 1,000 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60217A. <i>For Flange And Clamp Device, Add</i>	29,553.92  2,630.70	1,364.12
<b>22 13 19 26-0017</b>	<b>Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor</b> (22 13 19 26-0001) Note: Josam 60110A, Smith 8100, Wade 5100LR, or Zurn Z1171 series.		
22 13 19 26-0018	EA 20 GPM, 40 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60115A.	3,079.58	208.22
22 13 19 26-0019	EA 35 GPM, 70 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60117A.	3,961.31	265.01
22 13 19 26-0020	EA 50 GPM, 100 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Smith 8150.	6,517.00	302.86
<b>22 13 19 26-0021</b>	<b>Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor</b> (22 13 19 26) Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval, grease recovery cone, flexible hose, grease draw off valve and flow control fitting.		
<b>22 13 19 26-0022</b>	<b>Standard Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor</b> (22 13 19 26-0021) Note: Josam 60100-SA, Smith 8300GTX, Wade 5100JCX, or Zurn Z1173-TD series.		
22 13 19 26-0023	EA 7 GPM, 14 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60102-SA. <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	2,702.41  1,309.83	75.72
22 13 19 26-0024	EA 10 GPM, 20 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60103-SA. <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	3,176.88  1,383.80	170.36
22 13 19 26-0025	EA 15 GPM, 30 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60104-SA. <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	3,395.23  1,511.21	189.29
22 13 19 26-0026	EA 20 GPM, 40 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60105-SA. <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	4,140.54  1,633.18	208.22
22 13 19 26-0027	EA 25 GPM, 50 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60106-SA. <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	4,988.28  1,700.43	227.15
22 13 19 26-0028	EA 35 GPM, 70 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60107-SA. <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	5,161.81  1,870.77	265.01
22 13 19 26-0029	EA 50 GPM, 100 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60108-SA. <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	5,892.32  1,994.07	302.86
<b>22 13 19 26-0030</b>	<b>Low Profile Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor</b> (22 13 19 26-0021) Note: Josam 60115A-SA, Smith 8100GTX, or Zurn Z1171-TD series.		
22 13 19 26-0031	EA 35 GPM, 70 LB Capacity Low Profile Semi Automatic Epoxy Coated Steel Grease Interceptor..... Note: Josam 60115A-SA.	6,923.40	265.01
<b>22 13 19 26-0032</b>	<b>Automatic Cleaning Stainless Steel Grease Interceptor</b> (22 13 19 26) Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer (Lowe Engineering 20 Greasestopper).		
22 13 19 26-0033	EA 20 GPM, 69 LB Capacity Automatic Cleaning Stainless Steel Grease Interceptor ..... Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer (Lowe Engineering 20 Greasestopper).	5,919.30	208.22
22 13 19 26-0034	EA 25 GPM, 91 LB Capacity Automatic Cleaning Stainless Steel Grease Interceptor ..... Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer (Lowe Engineering 25 Greasestopper).	6,878.87	227.15
22 13 19 26-0035	EA 35 GPM, 70 LB Capacity, 110 Volt, Automatic Cleaning Stainless Steel Grease Trap/Removal Device (Guardian GGX35) .....	5,915.72	265.01
<b>22 13 19 26-0036</b>	<b>Precast Concrete Grease Interceptor</b> (22 13 19 26) Note: Includes two access manholes, cast iron non-skid surface, lift hole, frame and cover for heavy-traffic.		
22 13 19 26-0037	EA 1,000 Gallon Pre-Cast Grease Interceptor.....	5,233.75	383.91
22 13 19 26-0038	EA 1,250 Gallon Pre-Cast Grease Interceptor.....	5,988.18	383.91
22 13 19 26-0039	EA 1,500 Gallon Pre-Cast Grease Interceptor.....	6,796.47	438.90
22 13 19 26-0040	EA 2,000 Gallon Pre-Cast Grease Interceptor.....	7,734.06	619.83
22 13 19 26-0041	EA 2,500 Gallon Pre-Cast Grease Interceptor.....	8,707.88	833.95
22 13 19 26-0042	EA 4,000 Gallon Pre-Cast Grease Interceptor.....	13,061.05	1,097.20
22 13 19 26-0043	EA 5,000 Gallon Pre-Cast Grease Interceptor.....	16,767.77	1,799.24
<b>22 13 19 26-0044</b>	<b>Coated Steel Manual Oil Interceptor</b> (22 13 19 26) Note: Includes internal air relief, and flow control fitting.		
22 13 19 26-0045	EA 10 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	3,500.37	288.31
22 13 19 26-0046	EA 15 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	4,697.02	342.58
22 13 19 26-0047	EA 20 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	5,689.96	421.51
22 13 19 26-0048	EA 25 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	6,179.60	456.59
22 13 19 26-0049	EA 35 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	7,396.82	498.24
22 13 19 26-0050	EA 50 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	9,707.55	548.12
22 13 19 26-0051	EA 75 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	16,176.04	630.97
22 13 19 26-0052	EA 100 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	17,719.96	776.34
22 13 19 26-0053	EA 150 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	21,711.73	841.46
22 13 19 26-0054	EA 200 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	30,317.17	1,009.54
22 13 19 26-0055	EA 250 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	34,942.28	1,085.26

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST

22 13 19 26-0056	EA	350 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off .....	43,989.18	1,294.24
22 13 19 26-0057	EA	400 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off .....	52,914.50	1,060.53
22 13 19 26-0058	EA	500 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off .....	62,685.45	1,261.94

**22 13 19 33 Backwater Valves** (22 13 19)

**22 13 19 33-0001 Cast Iron Body Terminal Backwater Valves** (22 13 19 33)

22 13 19 33-0002	EA	2" Cast Iron Body Terminal Backwater Valve .....	344.18	28.97
22 13 19 33-0003	EA	3" Cast Iron Body Terminal Backwater Valve .....	355.28	36.44
22 13 19 33-0004	EA	4" Cast Iron Body Terminal Backwater Valve .....	511.07	48.45
22 13 19 33-0005	EA	6" Cast Iron Body Terminal Backwater Valve .....	1,352.47	66.33
22 13 19 33-0006	EA	8" Cast Iron Body Terminal Backwater Valve .....	1,655.83	87.29
22 13 19 33-0007	EA	10" Cast Iron Body Terminal Backwater Valve .....	4,744.88	107.69
22 13 19 33-0008	EA	12" Cast Iron Body Terminal Backwater Valve .....	5,380.73	139.68

**22 13 19 33-0009 Cast Iron Backwater Sewer Line Valve** (22 13 19 33)

Note: Offset type with bronze swing check assembly, threaded bronze cover, and bell and spigot connections.

22 13 19 33-0010	EA	2" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly .....	858.54	69.06
22 13 19 33-0011	EA	3" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly .....	1,298.69	83.79
22 13 19 33-0012	EA	4" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly .....	1,608.60	108.03
22 13 19 33-0013	EA	6" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly .....	2,240.49	120.51
22 13 19 33-0014	EA	8" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly .....	3,094.86	142.80

**22 13 19 33-0015 Cast Iron, Straight Through Shear Gate, Swing Check Backwater Valve** (22 13 19 33)

Note: Offset type with bronze, manually operated shear gate, non-rising stem, and bell and spigot connections.

22 13 19 33-0016	EA	3" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve .....	2,283.10	109.34
22 13 19 33-0017	EA	4" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve .....	2,337.21	145.37
22 13 19 33-0018	EA	5" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve .....	3,388.35	178.48
22 13 19 33-0019	EA	6" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve .....	3,419.38	198.98

**22 13 19 33-0020 Polyvinyl Chloride (PVC) Backwater Sewer Line Valve** (22 13 19 33)

Note: Oatey.

22 13 19 33-0021	EA	3" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43900).....	121.24	36.44
22 13 19 33-0022	EA	4" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43904).....	146.14	48.45
22 13 19 33-0023	EA	6" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43908).....	412.72	66.33

**22 13 19 33-0024 Polyvinyl Chloride (PVC) Extendable Backwater Valves** (22 13 19 33)

Note: Includes valve body, flapper assembly and collar.

22 13 19 33-0025	EA	3" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check).....	283.63	72.89
22 13 19 33-0026	EA	4" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check).....	377.67	96.92
22 13 19 33-0027	EA	6" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check).....	643.73	132.65

Note: Includes valve body, flapper assembly and collar.

**22 13 19 36 Air-Admittance Valves** (22 13 19)

**22 13 19 36-0001 Acrylonitrile Butadiene Styrene (ABS) And Polyvinyl Chloride (PVC) Automatic Drain Vent** (22 13 19 36)

22 13 19 36-0002	EA	1-1/4", 1-1/2" And 2" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Mini Vent.....	142.01	14.13
22 13 19 36-0003	EA	2", 3" And 4" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Maxi Vent.....	168.36	14.13

**22 13 23 Sanitary Waste Interceptors** (22 13)

**22 13 23 00-0001 Sediment Bucket Solids Interceptors** (22 13 23)

22 13 23 00-0002	EA	1-1/2" Or 2" Top Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1180) .....	1,057.18	142.96
Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.				
22 13 23 00-0003	EA	1-1/2" Or 2" Bottom Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1184) .....	1,058.47	142.96
Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.				
22 13 23 00-0004	EA	1-1/2" Or 2" Top Access, Acid Resistant Coated Steel (Inside And Outside), Aluminum Cover, Removable Stainless Steel Sediment Bucket Solids Interceptor (Jay R. Smith 8714 ARIO).....	1,480.79	142.96
Note: On floor mount. Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.				
22 13 23 00-0005	EA	1-1/2" Or 2" Bottom Access, 15 GPM, Acid Resistant Coated Cast Iron, Aluminum Strainer, Removable Stainless Steel Screens, Sediment Bucket Solids Interceptor (Jay R. Smith 8730-ARIO).....	1,480.79	142.96
Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.				
22 13 23 00-0006	EA	1-1/2" Or 2" Top Access, Acid Resistant Coated Cast Aluminum (Inside And Outside) Removable Stainless Steel Screen, Sediment Bucket Solids Interceptor (Josam 61030) .....	1,576.40	142.96
Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.				

**22 13 23 00-0007 Solid Interceptors, Cast Iron With Internal Deep Seal Trap** (22 13 23)

<b>22</b>	<b>Plumbing</b>
<b>22 10</b>	<b>Plumbing Piping</b>
<b>22 13</b>	<b>Facility Sanitary Sewerage</b>

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
22 13 23 00-0008	EA 1-1/2" Inlet Cast Iron Solid Interceptor, Painted Enamel ..... <i>For Stainless Steel Bucket, Add</i>	320.32 175.00	48.89
22 13 23 00-0009	EA 2" Inlet Cast Iron Solid Interceptor, Painted Enamel ..... <i>For Stainless Steel Bucket, Add</i>	326.57 175.00	52.08
22 13 23 00-0010	<b>Sediment Strainers</b> (22 13 23)		
22 13 23 00-0011	EA 2" Strainer, Pump Suction Side.....	153.38	66.61
22 13 29	<b>Sanitary Sewerage Pumps</b> (22 13)		
Note: Includes extra set of gaskets, bearings and seals.			
22 13 29 13	<b>Wet-Pit-Mounted, Vertical Sewerage Pumps</b> (22 13 29)		
22 13 29 13-0001	Vertical Column, Flanged Discharge, Non-Clog Sump Or Drainage Pumps (Crane-DEMING Series 4500) (22 13 29 13) Note: Mounted on steel support plate. Excludes float and float switch, and sump cover See CSI section 22 13 29 13-0030 for float and float switch, 22 13 29 13-0034 for sump cover.		
22 13 29 13-0002	1-1/2" Solids 1,750 RPM Vertical Sump Or Drainage Pumps (22 13 29 13-0001)		
22 13 29 13-0003	EA 1/2 HP, Up To 75 GPM Sump Or Drainage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM.....	5,943.83	1,211.05
22 13 29 13-0004	EA 3/4 HP, Up To 125 GPM Sump Or Drainage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM.....	6,160.29	1,211.05
22 13 29 13-0005	EA 1 HP, Up To 150 GPM Sump Or Drainage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM.....	6,376.75	1,211.05
22 13 29 13-0006	EA 1-1/2 HP, Up To 150 GPM Sump Or Drainage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM.....	6,583.22	1,211.05
22 13 29 13-0007	2" Solids 1,750 RPM Vertical Sump Or Drainage Pumps (22 13 29 13-0001)		
22 13 29 13-0008	EA 3/4 HP, Up To 75 GPM Sump Or Drainage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	6,543.26	1,211.05
22 13 29 13-0009	EA 1 HP, Up To 100 GPM Sump Or Drainage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	6,626.52	1,211.05
22 13 29 13-0010	EA 2 HP, Up To 200 GPM Sump Or Drainage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	6,684.80	1,211.05
22 13 29 13-0011	EA 3 HP, Up To 300 GPM Sump Or Drainage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	7,084.42	1,211.05
22 13 29 13-0012	EA 5 HP, Up To 400 GPM Sump Or Drainage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	7,475.72	1,211.05
22 13 29 13-0013	EA 7-1/2 HP, Up To 500 GPM Sump Or Drainage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	8,075.15	1,211.05
22 13 29 13-0014	EA 10 HP, Up To 600 GPM Sump Or Drainage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	8,674.59	1,211.05
22 13 29 13-0015	EA 15 HP, Up To 600 GPM Sump Or Drainage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	10,075.22	1,611.64
22 13 29 13-0016	3" Solids 1,750 RPM Vertical Sump Or Drainage Pumps (22 13 29 13-0001)		
22 13 29 13-0017	EA 2 HP, Up To 300 GPM Sump Or Drainage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	6,960.42	1,211.05
22 13 29 13-0018	EA 3 HP, Up To 400 GPM Sump Or Drainage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	6,960.42	1,211.05
22 13 29 13-0019	EA 5 HP, Up To 500 GPM Sump Or Drainage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	7,104.67	1,211.05
22 13 29 13-0020	EA 7-1/2 HP, Up To 700 GPM Sump Or Drainage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	8,223.88	1,211.05
22 13 29 13-0021	EA 10 HP, Up To 800 GPM Sump Or Drainage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	8,420.21	1,211.05
22 13 29 13-0022	EA 15 HP, Up To 900 GPM Sump Or Drainage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	10,144.28	1,611.64
22 13 29 13-0023	EA 20 HP, Up To 900 GPM Sump Or Drainage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	10,643.81	1,611.64
22 13 29 13-0024	Extra Column Assemblies Addition, 5' Or Less (22 13 29 13-0001)		
22 13 29 13-0025	EA 2-1/2" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	544.22	
22 13 29 13-0026	EA 3" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	653.44	
22 13 29 13-0027	EA 4" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	730.37	
22 13 29 13-0028	EA 5" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	743.67	
22 13 29 13-0029	EA 6" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	834.84	
22 13 29 13-0030	Float Switches (22 13 29 13-0001) Note: Copper coated floats, brass rods and stops and switch brackets.		
22 13 29 13-0031	EA Float Switch Copper Coated Float, Add, General Purpose For vertical sewage pumps.....	489.13	
22 13 29 13-0032	EA Float Switch Copper Coated Float, Add, Weather Proof For vertical sewage pumps.....	513.82	
22 13 29 13-0033	EA Float Switch Copper Coated Float, Add, Explosion Proof For vertical sewage pumps.....	525.22	
22 13 29 13-0034	Square Or Round Steel Sump Covers (22 13 29 13-0001)		
22 13 29 13-0035	EA 24" Steel Sump Covers, Square Or Round.....	702.64	40.38
22 13 29 13-0036	EA 30" Steel Sump Covers, Square Or Round.....	777.92	45.43
22 13 29 13-0037	EA 36" Steel Sump Covers, Square Or Round.....	1,079.25	60.57
22 13 29 13-0038	EA 40" Steel Sump Covers, Square Or Round.....	1,564.76	70.67
22 13 29 13-0039	EA 42" Steel Sump Covers, Square Or Round.....	1,677.31	73.20
22 13 29 13-0040	EA 48" Steel Sump Covers, Square Or Round.....	1,793.34	75.72
22 13 29 13-0041	EA 54" Steel Sump Covers, Square Or Round.....	2,284.00	90.86
22 13 29 13-0042	EA 60" Steel Sump Covers, Square Or Round.....	3,092.09	100.95
22 13 29 13-0043	EA 72" Steel Sump Covers, Square Or Round.....	3,921.14	126.20
22 13 29 13-0044	EA 84" Steel Sump Covers, Square Or Round.....	4,982.69	138.81
22 13 29 16	<b>Submersible Sewerage Pumps</b> (22 13 29)		
22 13 29 16-0001	Submersible Sewage Pumps With Vortex Impeller (22 13 29 16)		
22 13 29 16-0002	Submersible Single Seal Sewage Pumps With Cast Iron Vortex Impeller (22 13 29 16-0001) Note: Includes 25' cord.		
22 13 29 16-0003	EA 1/2 HP Manual Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	1,155.19	73.45

MINOR	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 13 29 16-0004	EA	1/2 HP Automatic Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,229.01	73.45
22 13 29 16-0005	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,206.29	73.45
22 13 29 16-0006	EA	1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,315.12	73.45
22 13 29 16-0007	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,315.12	73.45
22 13 29 16-0008	EA	1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,398.32	91.81
22 13 29 16-0009	EA	1 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,494.85	91.81
22 13 29 16-0010	EA	1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,507.15	91.81

**22 13 29 16-0011 Submersible Single Seal Sewage Pumps With Bronze Vortex Impeller (22 13 29**

16-0001  
Note: Includes 20' cord.

22 13 29 16-0012	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,176.01	73.45
22 13 29 16-0013	EA	1/2 HP Automatic Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,282.00	73.45
22 13 29 16-0014	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,231.84	73.45
22 13 29 16-0015	EA	1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,334.05	73.45
22 13 29 16-0016	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,425.85	73.45
22 13 29 16-0017	EA	1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,339.65	91.81
22 13 29 16-0018	EA	1 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,449.43	91.81
22 13 29 16-0019	EA	1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,448.48	91.81
22 13 29 16-0020	EA	1-1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,681.06	147.99
22 13 29 16-0021	EA	1-1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,773.80	147.99
22 13 29 16-0022	EA	1-1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,789.89	147.99
22 13 29 16-0023	EA	2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,812.44	180.88
22 13 29 16-0024	EA	2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,918.43	180.88
22 13 29 16-0025	EA	2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,921.27	180.88

**22 13 29 16-0026 Submersible Double Seal Sewage Pumps With Bronze Vortex Impeller (22 13 29**

16-0001  
Note: Includes 20' cord.

22 13 29 16-0027	EA	1/2 HP Manual Submersible Double Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,387.99	73.45
22 13 29 16-0028	EA	1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,567.80	73.45
22 13 29 16-0029	EA	1 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron And Bronze Impeller	1,541.22	91.81
22 13 29 16-0030	EA	1 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron And Bronze Impeller	1,650.05	91.81
22 13 29 16-0031	EA	1-1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,897.77	147.99
22 13 29 16-0032	EA	1-1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,006.60	147.99
22 13 29 16-0033	EA	2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,030.10	180.88
22 13 29 16-0034	EA	2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,138.93	180.88

**22 13 29 16-0035 Submersible Sewage Pumps With Semi-Open Impeller (22 13 29 16)**

Note: Includes 25' of cord with pump.

22 13 29 16-0036	EA	1 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	3,556.06	91.81
22 13 29 16-0037	EA	1.5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	3,815.74	150.07
22 13 29 16-0038	EA	2 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	4,095.87	183.42
22 13 29 16-0039	EA	3 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	4,294.25	222.33
22 13 29 16-0040	EA	5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	4,822.33	261.24
22 13 29 16-0041	EA	7.5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	5,388.97	300.14

**22 13 29 16-0042 Submersible Sewage Pumps, Explosion Proof (22 13 29 16)**

Note: Includes 25' of cord with pump.

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

22 13 29 16-0043	EA	1 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	5,946.89	329.02
22 13 29 16-0044	EA	1 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	5,490.63	329.02
22 13 29 16-0045	EA	1 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	5,490.63	329.02
22 13 29 16-0046	EA	1.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	6,253.68	438.68
22 13 29 16-0047	EA	1.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	5,797.42	438.68
22 13 29 16-0048	EA	1.5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	5,797.42	438.68
22 13 29 16-0049	EA	2 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	6,654.59	548.35
22 13 29 16-0050	EA	2 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	6,198.32	548.35
22 13 29 16-0051	EA	2 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	6,198.32	548.35
22 13 29 16-0052	EA	3 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	6,967.07	658.03
22 13 29 16-0053	EA	3 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	6,510.81	658.03
22 13 29 16-0054	EA	3 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	6,510.81	658.03
22 13 29 16-0055	EA	5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	7,704.47	767.70
22 13 29 16-0056	EA	5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	7,248.21	767.70
22 13 29 16-0057	EA	5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	7,248.21	767.70
22 13 29 16-0058	EA	7.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	7,996.05	877.37
22 13 29 16-0059	EA	7.5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	7,996.05	877.37
<b>22 13 29 16-0060</b>		<b>Submersible Sewage Pump Accessories <small>(22 13 29 16)</small></b>		
22 13 29 16-0061	EA	Simplex Plug In Pump Control Panel with Alarm Float Only, 115 Volt, 1 Phase, 0-15 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump..... Note: Includes alarm horn, warning light and alarm float switch.	572.15	81.28
22 13 29 16-0062	EA	Simplex Plug In Pump Control Panel with Alarm Float Only, 230 Volt, 1 Phase, 0-15 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump..... Note: Includes alarm horn, warning light, and alarm float switch.	590.23	81.28
22 13 29 16-0063	EA	Simplex Control Panel With 3 Floats, 115/208/230 Volt, 1 Phase, 0-20 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump..... Note: Includes alarm horn, warning light, HOA switch and three 20' control float switches.	1,149.85	108.38
22 13 29 16-0064	EA	Simplex Control Panel 208/230/460 Volt, 3 Phase, 1-23 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump..... Note: Includes alarm horn and warning light. Control float switches not included.	1,612.79	108.38
22 13 29 16-0065	EA	Simplex Intrinsically Safe Control Panel, 230 Volt, 1 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors..... Note: Includes alarm horn and warning light. Control float switches not included.	3,704.95	108.38
22 13 29 16-0066	EA	Simplex Intrinsically Safe Control Panel, 200/230/460 Volt, 3 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors..... Note: Includes alarm horn and warning light. Control float switches not included.	3,875.42	108.38
22 13 29 16-0067	EA	Duplex Intrinsically Safe Control Panel, 230 Volt, 1 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors..... Note: Includes alarm horn and warning light. Control float switches not included.	6,187.67	135.46
22 13 29 16-0068	EA	Duplex Intrinsically Safe Control Panel, 200/230/460 Volt, 3 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors..... Note: Includes alarm horn and warning light. Control float switches not included.	5,217.92	135.46
22 13 29 16-0069	EA	Electrical Alternator Duplex Control Panel with 3 Floats, 115 Volt, 1 Phase, 7-20 Amperes Range, Indoor NEMA 1 Enclosure For Submersible Sewage Pumps..... Note: Includes alarm horn, warning light, and three 20' float switches.	1,279.09	135.46
22 13 29 16-0070	EA	Electrical Alternator Duplex Control Panel With 3 Floats, 115 Volt, 1 Phase, 7-20 Amperes Range, Indoor NEMA 4X Enclosure For Submersible Sewage Pumps..... Note: Includes alarm horn, warning light, and three 20' float switches.	1,405.68	135.46
22 13 29 16-0071	EA	Electrical Alternator Duplex Control Panel With 3 Floats, 115/200/230 Volt, 1 Phase, 0-20 Amperes, Indoor NEMA 1 Enclosure For Submersible Sewage Pumps..... Note: Includes alarm horn, warning light, and three 20' float switches.	1,350.52	135.46
22 13 29 16-0072	EA	Electrical Alternator Duplex Control Panel With 3 Floats, 115/200/230 Volt, 1 Phase, 0-30 Amperes Range, Indoor NEMA 4X Enclosure For Submersible Sewage Pumps..... Note: Includes alarm horn, warning light, and three 20' float switches.	1,464.60	135.46
22 13 29 16-0073	EA	Electrical Alternator Duplex Control Panel, 200/230/460 Volt, 3 Phase, 1-25 Amperes Range, Indoor/Outdoor NEMA 4X Enclosure For Submersible Sewage Pumps..... Note: Includes alarm horn and warning light. Float switches not included..	2,483.54	135.46
22 13 29 16-0074	EA	Alarm System, 115 Volt, Indoor/Outdoor 4X Enclosure..... Note: Includes alarm horn, warning light and 15' tethered float.	470.96	54.18
22 13 29 16-0075	EA	Variable Level (Clamp Type) Float Switch With 15' Cord..... Note: Not for use with Intrinsically Safe Control Systems.	93.96	27.10
22 13 29 16-0076	EA	Variable Level (Clamp Type) Float Switch With 15' Cord For Intrinsically Safe Control Systems Only.....	111.52	27.10
22 13 29 16-0077	EA	Variable Level (Adjustable Weight Type) Float Switch With 25' Cord..... Note: Not for use with Intrinsically Safe Control Systems.	118.27	27.10
22 13 29 16-0078	EA	Variable Level (Adjustable Weight Type) Float Switch With 25' Cord For Intrinsically Safe Control Systems Only.....	124.52	27.10
22 13 29 16-0079	EA	Float Switch Tree With (3) 15' Floats..... Note: Not for use with Intrinsically Safe Control Systems.	339.20	27.10
22 13 29 16-0080	EA	Float Switch Tree And (3) Floats With 15' Cords For Intrinsically Safe Control Systems Only.....	385.82	27.10
22 13 29 16-0081	EA	Float Switch Tree And (4) Floats With 15' Cords..... Note: Not for use with Intrinsically Safe Control Systems.	376.82	27.10



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 13 29 16-0082	EA		Float Switch Tree And (4) Floats With 15' Cords For Intrinsically Safe Control Systems Only .....	438.72	27.10
22 13 29 16-0083	EA		Float Switch Tree .....	184.13	27.10
			Note: Tree only.		
22 13 29 16-0084	EA		Adjustable Weight For Float Switch .....	50.94	13.54
22 13 29 16-0085	EA		Rail And Disconnect System, Stainless Steel, For 2" Horizontal Discharge .....	956.23	81.28
			Note: Lifting equipment not included.		
22 13 29 16-0086	EA		Rail And Disconnect System, Stainless Steel, For 3" Horizontal Discharge .....	1,494.16	108.38
			Note: Lifting equipment not included.		
22 13 29 16-0087	EA		Rail And Disconnect System, Stainless Steel, For 4" Horizontal Discharge .....	1,950.00	135.46
			Note: Lifting equipment not included.		
22 13 29 16-0088	EA		Rail And Disconnect System, Stainless Steel Non-Sparking, For 3" Horizontal Discharge .....	2,124.03	81.28
22 13 29 16-0089	EA		Rail And Disconnect System, Stainless Steel Non-Sparking, For 4" Horizontal Discharge .....	2,995.16	81.28
22 13 29 16-0090	EA		Intermediate Guide Rail Bracket, Stainless Steel, For 2" Rail System .....	283.34	54.18
22 13 29 16-0091	EA		Intermediate Guide Rail Bracket, Stainless Steel, For 3" Rail Systems .....	491.97	67.74
22 13 29 16-0092	EA		Intermediate Guide Rail Bracket, Stainless Steel, For 4" Rail Systems .....	496.50	81.28
22 13 29 16-0093	EA		12' Stainless Steel Lifting Cable .....	139.78	27.10
22 13 29 16-0094	EA		Disconnect Fitting For 2" Horizontal Discharge .....	269.59	27.10
			Note: Used for shallow systems where guide rails are not necessary.		

**22 13 29 33 Sewerage Pump Basins and Pits (22 13 29)**

22 13 29 33-0001			Sewage Sump Pump Basin (22 13 29 33)		
22 13 29 33-0002			High Density Polyethylene (HDPE) Basin (22 13 29 33-0001)		
22 13 29 33-0003	EA		18" Diameter x 24" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub .....	110.93	
22 13 29 33-0004	EA		18" Diameter x 30" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub .....	140.64	
22 13 29 33-0005	EA		24" Diameter x 30" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub .....	301.05	
22 13 29 33-0006	EA		24" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub .....	417.09	
22 13 29 33-0007	EA		30" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub .....	533.12	
22 13 29 33-0008	EA		36" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub .....	618.32	

**22 13 29 33-0009 Fiberglass Basin (22 13 29 33-0001)**

22 13 29 33-0010	EA		18" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub .....	326.48	
22 13 29 33-0011	EA		24" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub .....	661.32	
22 13 29 33-0012	EA		30" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub .....	1,185.78	
22 13 29 33-0013	EA		36" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub .....	1,595.24	
22 13 29 33-0014	EA		36" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub .....	1,837.83	
22 13 29 33-0015	EA		36" Diameter x 60" High Fiberglass Basin And Lid With Inlet And Hub .....	1,941.04	
22 13 29 33-0016	EA		36" Diameter x 72" High Fiberglass Basin And Lid With Inlet And Hub .....	2,279.82	
22 13 29 33-0017	EA		48" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub .....	2,647.22	

**22 14 Facility Storm Drainage (22 10)**

**22 14 13 Facility Storm Drainage Piping (22 14)**

See CSI section 22 13 16 00-0000 for storm drainage piping.

**22 14 26 Facility Storm Drains (22 14)**

**22 14 26 13 Roof Drains (22 14 26)**

22 14 26 13-0001			Cast Iron Roof Drains (22 14 26 13)		
22 14 26 13-0002			Cast Iron Roof Drains With Large Polypropylene Dome (22 14 26 13-0001)		
			Note: Dome free area is 124 square inches.		
22 14 26 13-0003	EA		15" Diameter Cast Iron Roof Drain With 2" Outlet, 124 Square Inch Free Area Polypropylene Dome .....	889.64	168.29
			For Galvanized Iron Parts, Add	518.00	
			For Deck Clamp Assembly, Add	130.00	
			For Bronze Dome, Add	448.80	
			For Drain Receiver, Add	147.00	
			For 4" Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0004	EA		15" Diameter Cast Iron Roof Drain With 3" Outlet, 124 Square Inch Free Area Polypropylene Dome .....	973.77	201.91
			For Galvanized Iron Parts, Add	518.00	
			For Deck Clamp Assembly, Add	130.00	
			For Bronze Dome, Add	448.80	
			For Drain Receiver, Add	147.00	
			For 4" Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0005	EA		15" Diameter Cast Iron Roof Drain With 4" Outlet, 124 Square Inch Free Area Polypropylene Dome .....	1,057.90	252.39
			For Galvanized Iron Parts, Add	518.00	
			For Deck Clamp Assembly, Add	130.00	
			For Bronze Dome, Add	448.80	
			For Drain Receiver, Add	147.00	
			For 4" Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0006	EA		15" Diameter Cast Iron Roof Drain With 5" Outlet, 124 Square Inch Free Area Polypropylene Dome .....	1,421.70	302.86
			For Galvanized Iron Parts, Add	518.00	
			For Deck Clamp Assembly, Add	130.00	
			For Bronze Dome, Add	448.80	
			For Drain Receiver, Add	147.00	
			For 4" Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0007	EA		15" Diameter Cast Iron Roof Drain With 6" Outlet, 124 Square Inch Free Area Polypropylene Dome .....	1,463.76	336.48
			For Galvanized Iron Parts, Add	518.00	
			For Deck Clamp Assembly, Add	130.00	
			For Bronze Dome, Add	448.80	
			For Drain Receiver, Add	147.00	
			For 4" Fixed Extension Collar, Cast Iron, Add	357.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0008	EA		15" Diameter Cast Iron Roof Drain With 8" Outlet, 124 Square Inch Free Area Polypropylene Dome .....	1,733.19	353.34
			<i>For Galvanized Iron Parts, Add</i>	518.00	
			<i>For Deck Clamp Assembly, Add</i>	130.00	
			<i>For Bronze Dome, Add</i>	448.80	
			<i>For Drain Receiver, Add</i>	147.00	
			<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	357.00	
22 14 26 13-0009	EA		15" Diameter Cast Iron Roof Drain With 10" Outlet, 124 Square Inch Free Area Polypropylene Dome .....	2,351.46	365.96
			<i>For Galvanized Iron Parts, Add</i>	518.00	
			<i>For Deck Clamp Assembly, Add</i>	130.00	
			<i>For Bronze Dome, Add</i>	448.80	
			<i>For Drain Receiver, Add</i>	147.00	
			<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	357.00	
<b>22 14 26 13-0010</b>			<b>Cast Iron Roof Drains With Expansion Joint</b> <small>(22 14 26 13-0001)</small>		
			Note: With polypropylene dome. Dome free area is 124 square inches.		
22 14 26 13-0011	EA		15" Diameter Cast Iron Roof Drain With Expansion Joint, 2" Outlet, Polypropylene Dome .....	1,406.85	168.29
			<i>For Galvanized Iron Parts, Add</i>	518.00	
			<i>For Deck Clamp Assembly, Add</i>	130.00	
			<i>For Drain Receiver, Add</i>	147.00	
			<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	357.00	
22 14 26 13-0012	EA		15" Diameter Cast Iron Roof Drain With Expansion Joint, 3" Outlet, Polypropylene Dome .....	1,527.11	201.91
			<i>For Galvanized Iron Parts, Add</i>	518.00	
			<i>For Deck Clamp Assembly, Add</i>	130.00	
			<i>For Drain Receiver, Add</i>	147.00	
			<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	357.00	
22 14 26 13-0013	EA		15" Diameter Cast Iron Roof Drain With Expansion Joint, 4" Outlet, Polypropylene Dome .....	1,681.59	252.39
			<i>For Galvanized Iron Parts, Add</i>	518.00	
			<i>For Deck Clamp Assembly, Add</i>	130.00	
			<i>For Drain Receiver, Add</i>	147.00	
			<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	357.00	
22 14 26 13-0014	EA		15" Diameter Cast Iron Roof Drain With Expansion Joint, 5" Outlet, Polypropylene Dome .....	2,328.72	302.86
			<i>For Galvanized Iron Parts, Add</i>	518.00	
			<i>For Deck Clamp Assembly, Add</i>	130.00	
			<i>For Drain Receiver, Add</i>	147.00	
			<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	357.00	
22 14 26 13-0015	EA		15" Diameter Cast Iron Roof Drain With Expansion Joint, 6" Outlet, Polypropylene Dome .....	2,501.98	336.48
			<i>For Galvanized Iron Parts, Add</i>	518.00	
			<i>For Deck Clamp Assembly, Add</i>	130.00	
			<i>For Drain Receiver, Add</i>	147.00	
			<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	357.00	
<b>22 14 26 13-0016</b>			<b>Cast Iron Roof Drains With Flat Bronze Promenade Top</b> <small>(22 14 26 13-0001)</small>		
22 14 26 13-0017	EA		14" x 14" Cast Iron Roof Drain With 2" Outlet, Bronze Promenade Top .....	1,916.07	168.29
			<i>For Galvanized Iron Parts, Add</i>	480.00	
			<i>For Deck Clamp Assembly, Add</i>	130.00	
			<i>For Drain Receiver, Add</i>	147.00	
			<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	357.00	
22 14 26 13-0018	EA		14" x 14" Cast Iron Roof Drain With 3" Outlet, Bronze Promenade Top .....	2,000.20	201.91
			<i>For Galvanized Iron Parts, Add</i>	480.00	
			<i>For Deck Clamp Assembly, Add</i>	130.00	
			<i>For Drain Receiver, Add</i>	147.00	
			<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	357.00	
22 14 26 13-0019	EA		14" x 14" Cast Iron Roof Drain With 4" Outlet, Bronze Promenade Top .....	2,084.33	252.39
			<i>For Galvanized Iron Parts, Add</i>	480.00	
			<i>For Deck Clamp Assembly, Add</i>	130.00	
			<i>For Drain Receiver, Add</i>	147.00	
			<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	357.00	
22 14 26 13-0020	EA		14" x 14" Cast Iron Roof Drain With 5" Outlet, Bronze Promenade Top .....	2,432.93	302.86
			<i>For Galvanized Iron Parts, Add</i>	480.00	
			<i>For Deck Clamp Assembly, Add</i>	130.00	
			<i>For Drain Receiver, Add</i>	147.00	
			<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	357.00	
22 14 26 13-0021	EA		14" x 14" Cast Iron Roof Drain With 6" Outlet, Bronze Promenade Top .....	2,474.99	336.48
			<i>For Galvanized Iron Parts, Add</i>	480.00	
			<i>For Deck Clamp Assembly, Add</i>	130.00	
			<i>For Drain Receiver, Add</i>	147.00	
			<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	357.00	
<b>22 14 26 13-0022</b>			<b>Cast Iron Scupper Drain With L-Shaped Bronze Grate</b> <small>(22 14 26 13-0001)</small>		
22 14 26 13-0023	EA		Cast Iron Scupper Drain With 2" Outlet, L-Shaped Bronze Grate .....	1,240.88	67.34
			<i>For Galvanized Cast Iron Parts, Add</i>	128.00	
			<i>For Vandal Proof Grate, Add</i>	33.00	
22 14 26 13-0024	EA		Cast Iron Scupper Drain With 3" Outlet, L-Shaped Bronze Grate .....	1,274.53	84.09
			<i>For Galvanized Cast Iron Parts, Add</i>	128.00	
			<i>For Vandal Proof Grate, Add</i>	33.00	
22 14 26 13-0025	EA		Cast Iron Scupper Drain With 4" Outlet, L-Shaped Bronze Grate .....	1,289.82	91.77
			<i>For Galvanized Cast Iron Parts, Add</i>	128.00	
			<i>For Vandal Proof Grate, Add</i>	33.00	
22 14 26 13-0026	EA		Cast Iron Scupper Drain With 5" Outlet, L-Shaped Bronze Grate .....	1,815.22	121.65
			<i>For Galvanized Iron Parts, Add</i>	258.00	
			<i>For Vandal Proof Grate, Add</i>	33.00	
22 14 26 13-0027	EA		Cast Iron Scupper Drain With 6" Outlet, L-Shaped Bronze Grate .....	1,868.89	148.51
			<i>For Galvanized Iron Parts, Add</i>	258.00	
			<i>For Vandal Proof Grate, Add</i>	33.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>22 14 26 13-0028</b>	<b>Cast Iron Roof Drain With Flat Cast Iron Grate</b> <small>(22 14 26 13-0001)</small>				
22 14 26 13-0029	EA 9" x 9" Cast Iron Roof Drain With 2" Outlet, Cast Iron Promenade Top.....			977.08	168.29
	For Galvanized Cast Iron Parts, Add			144.00	
	For Deck Clamp Assembly, Add			80.40	
	For 4" Fixed Extension Collar, Cast Iron, Add			93.60	
22 14 26 13-0030	EA 9" x 9" Cast Iron Roof Drain With 3" Outlet, Cast Iron Promenade Top.....			1,061.21	201.91
	For Galvanized Cast Iron Parts, Add			144.00	
	For Deck Clamp Assembly, Add			80.40	
	For 4" Fixed Extension Collar, Cast Iron, Add			93.60	
22 14 26 13-0031	EA 9" x 9" Cast Iron Roof Drain With 4" Outlet, Cast Iron Promenade Top.....			1,145.34	252.39
	For Galvanized Cast Iron Parts, Add			144.00	
	For Deck Clamp Assembly, Add			80.40	
	For 4" Fixed Extension Collar, Cast Iron, Add			93.60	

<b>22 14 26 13-0032</b>	<b>Cast Iron Roof Drains With Large Cast Iron Dome</b> <small>(22 14 26 13-0001)</small>				
22 14 26 13-0033	EA 15" Diameter Cast Iron Roof Drain With 2" Outlet, Cast Iron Dome .....			1,053.11	168.29
	For Galvanized Iron Parts, Add			518.00	
	For Deck Clamp Assembly, Add			130.00	
	For Drain Receiver, Add			147.00	
	For 4" Fixed Extension Collar, Cast Iron, Add			357.00	
22 14 26 13-0034	EA 15" Diameter Cast Iron Roof Drain With 3" Outlet, Cast Iron Dome .....			1,137.24	201.91
	For Galvanized Iron Parts, Add			518.00	
	For Deck Clamp Assembly, Add			130.00	
	For Drain Receiver, Add			147.00	
	For 4" Fixed Extension Collar, Cast Iron, Add			357.00	
22 14 26 13-0035	EA 15" Diameter Cast Iron Roof Drain With 4" Outlet, Cast Iron Dome .....			1,221.37	252.39
	For Galvanized Iron Parts, Add			518.00	
	For Deck Clamp Assembly, Add			130.00	
	For Drain Receiver, Add			147.00	
	For 4" Fixed Extension Collar, Cast Iron, Add			357.00	
22 14 26 13-0036	EA 15" Diameter Cast Iron Roof Drain With 5" Outlet, Cast Iron Dome .....			1,585.17	302.86
	For Galvanized Iron Parts, Add			518.00	
	For Deck Clamp Assembly, Add			130.00	
	For Drain Receiver, Add			147.00	
	For 4" Fixed Extension Collar, Cast Iron, Add			357.00	
22 14 26 13-0037	EA 15" Diameter Cast Iron Roof Drain With 6" Outlet, Cast Iron Dome .....			1,627.23	336.48
	For Galvanized Iron Parts, Add			518.00	
	For Deck Clamp Assembly, Add			130.00	
	For Drain Receiver, Add			147.00	
	For 4" Fixed Extension Collar, Cast Iron, Add			357.00	
22 14 26 13-0038	EA 15" Diameter Cast Iron Roof Drain With 8" Outlet, Cast Iron Dome .....			1,896.66	353.34
	For Galvanized Iron Parts, Add			518.00	
	For Deck Clamp Assembly, Add			130.00	
	For Drain Receiver, Add			147.00	
	For 4" Fixed Extension Collar, Cast Iron, Add			357.00	
22 14 26 13-0039	EA 15" Diameter Cast Iron Roof Drain With 10" Outlet, Cast Iron Dome .....			2,514.93	365.96
	For Galvanized Iron Parts, Add			518.00	
	For Deck Clamp Assembly, Add			130.00	
	For Drain Receiver, Add			147.00	
	For 4" Fixed Extension Collar, Cast Iron, Add			357.00	

<b>22 14 26 13-0040</b>	<b>Aluminum Roof Drains</b> <small>(22 14 26 13)</small>				
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<b>22 14 26 13-0041</b>	<b>Aluminum Dome Roof Drains</b> <small>(22 14 26 13-0040)</small>				
22 14 26 13-0042	EA 15" Diameter Roof Drain With 2" Outlet, Aluminum Dome.....			1,081.62	168.29
	For Galvanized Cast Iron Parts, Add			518.00	
	For Deck Clamp Assembly, Add			130.00	
	For Drain Receiver, Add			147.00	
	For 4" Fixed Extension Collar, Cast Iron, Add			357.00	
22 14 26 13-0043	EA 15" Diameter Roof Drain With 3" Outlet, Aluminum Dome.....			1,165.75	201.91
	For Galvanized Cast Iron Parts, Add			518.00	
	For Deck Clamp Assembly, Add			130.00	
	For Drain Receiver, Add			147.00	
	For 4" Fixed Extension Collar, Cast Iron, Add			357.00	
22 14 26 13-0044	EA 15" Diameter Roof Drain With 4" Outlet, Aluminum Dome.....			1,249.88	252.39
	For Galvanized Cast Iron Parts, Add			518.00	
	For Deck Clamp Assembly, Add			130.00	
	For Drain Receiver, Add			147.00	
	For 4" Fixed Extension Collar, Cast Iron, Add			357.00	
22 14 26 13-0045	EA 15" Diameter Roof Drain With 6" Outlet, Aluminum Dome.....			1,655.74	336.18
	For Galvanized Cast Iron Parts, Add			518.00	
	For Deck Clamp Assembly, Add			130.00	
	For Drain Receiver, Add			147.00	
	For 4" Fixed Extension Collar, Cast Iron, Add			357.00	
22 14 26 13-0046	EA 15" Diameter Roof Drain With 8" Outlet, Aluminum Dome.....			1,925.38	353.34
	For Galvanized Cast Iron Parts, Add			518.00	
	For Deck Clamp Assembly, Add			130.00	
	For Drain Receiver, Add			147.00	
	For 4" Fixed Extension Collar, Cast Iron, Add			357.00	
22 14 26 13-0047	EA 15" Diameter Roof Drain With 10" Outlet, Aluminum Dome.....			2,543.44	365.96
	For Galvanized Cast Iron Parts, Add			518.00	
	For Deck Clamp Assembly, Add			130.00	
	For Drain Receiver, Add			147.00	
	For 4" Fixed Extension Collar, Cast Iron, Add			357.00	

<b>22 14 26 13-0048</b>	<b>Retrofit Roof Drains</b> <small>(22 14 26 13)</small>				
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<b>22</b>	<b>Plumbing</b>
<b>22 10</b>	<b>Plumbing Piping</b>
<b>22 14</b>	<b>Facility Storm Drainage</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0049			<b>Copolymer Retrofit Roof Drains With Copolymer Strainer Dome</b> (22 14 26 13-0048)		
22 14 26 13-0050	EA		Copolymer Retrofit 3" Roof Drains, With Copolymer Dome .....	736.44	201.91
22 14 26 13-0051	EA		Copolymer Retrofit 4" Roof Drains, With Copolymer Dome .....	832.71	252.39
22 14 26 13-0052	EA		Copolymer Retrofit 5" Roof Drains, With Copolymer Dome .....	1,007.50	302.86
22 14 26 13-0053	EA		Copolymer Retrofit 6" Roof Drains, With Copolymer Dome .....	1,098.14	336.18
22 14 26 13-0054			<b>Copolymer Retrofit Roof Drains With Cast Aluminum Strainer Dome</b> (22 14 26 13-0048)		
22 14 26 13-0055	EA		Copolymer Retrofit Drain, 3", With Cast Aluminum Dome .....	845.75	201.91
22 14 26 13-0056	EA		Copolymer Retrofit Drain, 4", With Cast Aluminum Dome .....	937.17	252.39
22 14 26 13-0057	EA		Copolymer Retrofit Drain, 5", With Cast Aluminum Dome .....	1,119.24	302.86
22 14 26 13-0058	EA		Copolymer Retrofit Drain, 6", With Cast Aluminum Dome .....	1,175.87	336.18
22 14 26 13-0059			<b>Aluminum Retrofit Roof Drains With Cast Aluminum Strainer Dome</b> (22 14 26 13-0048)		
22 14 26 13-0060	EA		Aluminum Retrofit 3" Roof Drains, With Cast Aluminum Dome .....	741.29	201.91
			<i>For Copolymer Strainer Dome, Deduct</i> .....	-24.00	
22 14 26 13-0061	EA		Aluminum Retrofit 4" Roof Drains, With Cast Aluminum Dome .....	837.57	252.39
			<i>For Copolymer Strainer Dome, Deduct</i> .....	-24.00	
22 14 26 13-0062	EA		Aluminum Retrofit 5" Roof Drains, With Cast Aluminum Dome .....	1,012.35	302.86
			<i>For Copolymer Strainer Dome, Deduct</i> .....	-24.00	
22 14 26 13-0063	EA		Aluminum Retrofit 6" Roof Drains, With Cast Aluminum Dome .....	1,064.13	336.18
			<i>For Copolymer Strainer Dome, Deduct</i> .....	-24.00	
22 14 26 13-0064			<b>Bronze Downspout Nozzles</b> (22 14 26 13)		
22 14 26 13-0065	EA		2" Outlet, Bronze Roof Drain Downspout Nozzle .....	439.54	100.95
22 14 26 13-0066	EA		3" Outlet, Bronze Roof Drain Downspout Nozzle .....	439.54	100.95
22 14 26 13-0067	EA		4" Outlet, Bronze Roof Drain Downspout Nozzle .....	439.54	100.95
22 14 26 13-0068	EA		5" Outlet, Bronze Roof Drain Downspout Nozzle .....	680.23	126.20
22 14 26 13-0069	EA		6" Outlet, Bronze Roof Drain Downspout Nozzle .....	680.23	126.20
22 14 26 13-0070	EA		8" Outlet, Bronze Roof Drain Downspout Nozzle .....	879.41	126.20
22 14 26 16			<b>Facility Area Drains</b> (22 14 26)		
22 14 26 16-0001			<b>Area Drain</b> (22 14 26 16)		
22 14 26 16-0002	EA		12" x 12" Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer .....	2,793.23	121.55
			<i>For Ductile Iron Grate, Add</i> .....	123.50	
			<i>For Vandal Proof Screws, Add</i> .....	29.50	
			<i>For Primer Tap, Add</i> .....	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i> .....	152.25	
22 14 26 16-0003	EA		12" x 12" Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer .....	2,819.43	134.67
			<i>For Ductile Iron Grate, Add</i> .....	123.50	
			<i>For Vandal Proof Screws, Add</i> .....	29.50	
			<i>For Primer Tap, Add</i> .....	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i> .....	152.25	
22 14 26 16-0004	EA		12" x 12" Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer .....	2,847.01	148.51
			<i>For Ductile Iron Grate, Add</i> .....	123.50	
			<i>For Vandal Proof Screws, Add</i> .....	29.50	
			<i>For Primer Tap, Add</i> .....	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i> .....	152.25	
22 14 26 16-0005	EA		12" x 12" Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer .....	2,875.74	162.84
			<i>For Ductile Iron Grate, Add</i> .....	123.50	
			<i>For Vandal Proof Screws, Add</i> .....	29.50	
			<i>For Primer Tap, Add</i> .....	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i> .....	152.25	
22 14 26 16-0006	EA		12" x 12" Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer .....	1,711.31	121.55
			<i>For Ductile Iron Grate, Add</i> .....	123.50	
			<i>For Vandal Proof Screws, Add</i> .....	29.50	
			<i>For Primer Tap, Add</i> .....	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i> .....	152.25	
22 14 26 16-0007	EA		12" x 12" Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer .....	1,737.51	134.67
			<i>For Ductile Iron Grate, Add</i> .....	123.50	
			<i>For Vandal Proof Screws, Add</i> .....	29.50	
			<i>For Primer Tap, Add</i> .....	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i> .....	152.25	
22 14 26 16-0008	EA		12" x 12" Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer .....	1,765.09	148.51
			<i>For Ductile Iron Grate, Add</i> .....	123.50	
			<i>For Vandal Proof Screws, Add</i> .....	29.50	
			<i>For Primer Tap, Add</i> .....	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i> .....	152.25	
22 14 26 16-0009	EA		12" x 12" Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer .....	1,793.82	162.84
			<i>For Ductile Iron Grate, Add</i> .....	123.50	
			<i>For Vandal Proof Screws, Add</i> .....	29.50	
			<i>For Primer Tap, Add</i> .....	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i> .....	152.25	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0010	EA			12" x 12" Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	2,606.12	121.55
				For Ductile Iron Grate, Add	123.50	
				For Vandal Proof Screws, Add	29.50	
				For Primer Tap, Add	36.00	
				For Galvanized Cast Iron Parts, Add	152.25	
22 14 26 16-0011	EA			12" x 12" Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	2,632.32	134.67
				For Ductile Iron Grate, Add	123.50	
				For Vandal Proof Screws, Add	29.50	
				For Primer Tap, Add	36.00	
				For Galvanized Cast Iron Parts, Add	152.25	
22 14 26 16-0012	EA			12" x 12" Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	2,659.90	148.51
				For Ductile Iron Grate, Add	123.50	
				For Vandal Proof Screws, Add	29.50	
				For Primer Tap, Add	36.00	
				For Galvanized Cast Iron Parts, Add	152.25	
22 14 26 16-0013	EA			12" x 12" Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	2,688.63	162.84
				For Ductile Iron Grate, Add	123.50	
				For Vandal Proof Screws, Add	29.50	
				For Primer Tap, Add	36.00	
				For Galvanized Cast Iron Parts, Add	152.25	
22 14 26 16-0014	EA			16" x 16" Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	5,652.78	121.55
				For Ductile Iron Grate, Add	123.50	
				For Primer Tap, Add	36.00	
				For Galvanized Cast Iron Parts, Add	258.50	
22 14 26 16-0015	EA			16" x 16" Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	5,678.98	134.67
				For Ductile Iron Grate, Add	123.50	
				For Primer Tap, Add	36.00	
				For Galvanized Cast Iron Parts, Add	258.50	
22 14 26 16-0016	EA			16" x 16" Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	5,706.56	148.51
				For Ductile Iron Grate, Add	123.50	
				For Primer Tap, Add	36.00	
				For Galvanized Cast Iron Parts, Add	258.50	
22 14 26 16-0017	EA			16" x 16" Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	5,735.29	162.84
				For Ductile Iron Grate, Add	123.50	
				For Primer Tap, Add	36.00	
				For Galvanized Cast Iron Parts, Add	258.50	
22 14 26 16-0018	EA			16" x 16" Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	2,750.05	121.55
				For Ductile Iron Grate, Add	123.50	
				For Primer Tap, Add	36.00	
				For Galvanized Cast Iron Parts, Add	258.50	
22 14 26 16-0019	EA			16" x 16" Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	2,776.25	134.67
				For Ductile Iron Grate, Add	123.50	
				For Primer Tap, Add	36.00	
				For Galvanized Cast Iron Parts, Add	258.50	
22 14 26 16-0020	EA			16" x 16" Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	2,803.83	148.51
				For Ductile Iron Grate, Add	123.50	
				For Primer Tap, Add	36.00	
				For Galvanized Cast Iron Parts, Add	258.50	
22 14 26 16-0021	EA			16" x 16" Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	2,832.56	162.84
				For Ductile Iron Grate, Add	123.50	
				For Primer Tap, Add	36.00	
				For Galvanized Cast Iron Parts, Add	258.50	
22 14 26 16-0022	EA			16" x 16" Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	5,357.71	121.55
				For Ductile Iron Grate, Add	123.50	
				For Primer Tap, Add	36.00	
				For Galvanized Cast Iron Parts, Add	258.50	
22 14 26 16-0023	EA			16" x 16" Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	5,383.91	134.67
				For Ductile Iron Grate, Add	123.50	
				For Primer Tap, Add	36.00	
				For Galvanized Cast Iron Parts, Add	258.50	
22 14 26 16-0024	EA			16" x 16" Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	5,411.49	148.51
				For Ductile Iron Grate, Add	123.50	
				For Primer Tap, Add	36.00	
				For Galvanized Cast Iron Parts, Add	258.50	
22 14 26 16-0025	EA			16" x 16" Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	5,440.22	162.84
				For Ductile Iron Grate, Add	123.50	
				For Primer Tap, Add	36.00	
				For Galvanized Cast Iron Parts, Add	258.50	
22 14 26 16-0026	EA			9" Diameter Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	1,233.92	121.55
				For Vandal Proof Grate, Add	30.50	
				For Galvanized Cast Iron Parts, Add	87.50	

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 14 Facility Storm Drainage**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
22 14 26 16-0027	EA 9" Diameter Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	1,260.12	134.67
	For Vandal Proof Grate, Add	30.50	
	For Galvanized Cast Iron Parts, Add	87.50	
22 14 26 16-0028	EA 9" Diameter Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	1,287.70	148.51
	For Vandal Proof Grate, Add	30.50	
	For Galvanized Cast Iron Parts, Add	87.50	
22 14 26 16-0029	EA 9" Diameter Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	739.73	121.55
	For Vandal Proof Grate, Add	30.50	
	For Galvanized Cast Iron Parts, Add	87.50	
22 14 26 16-0030	EA 9" Diameter Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	765.93	134.67
	For Vandal Proof Grate, Add	30.50	
	For Galvanized Cast Iron Parts, Add	87.50	
22 14 26 16-0031	EA 9" Diameter Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	793.51	148.51
	For Vandal Proof Grate, Add	30.50	
	For Galvanized Cast Iron Parts, Add	87.50	
22 14 26 16-0032	EA 9" Diameter Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	1,161.95	121.55
	For Vandal Proof Grate, Add	30.50	
	For Galvanized Cast Iron Parts, Add	87.50	
22 14 26 16-0033	EA 9" Diameter Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	1,188.15	134.67
	For Vandal Proof Grate, Add	30.50	
	For Galvanized Cast Iron Parts, Add	87.50	
22 14 26 16-0034	EA 9" Diameter Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	1,215.73	148.51
	For Vandal Proof Grate, Add	30.50	
	For Galvanized Cast Iron Parts, Add	87.50	
22 14 26 16-0035	EA 12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Nikaloy Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	3,760.01	121.55
	For Vandal Proof Screws, Add	30.50	
	For Ductile Iron Grate, Add	126.00	
	For Galvanized Cast Iron Parts, Add	307.50	
22 14 26 16-0036	EA 12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Nikaloy Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	3,786.21	134.67
	For Vandal Proof Screws, Add	30.50	
	For Ductile Iron Grate, Add	126.00	
	For Galvanized Cast Iron Parts, Add	307.50	
22 14 26 16-0037	EA 12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Nikaloy Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	3,813.79	148.51
	For Vandal Proof Screws, Add	30.50	
	For Ductile Iron Grate, Add	126.00	
	For Galvanized Cast Iron Parts, Add	307.50	
22 14 26 16-0038	EA 12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Cast Iron Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	2,438.19	121.55
	For Vandal Proof Screws, Add	30.50	
	For Ductile Iron Grate, Add	126.00	
	For Galvanized Cast Iron Parts, Add	307.50	
22 14 26 16-0039	EA 12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Cast Iron Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	2,464.39	134.67
	For Vandal Proof Screws, Add	30.50	
	For Ductile Iron Grate, Add	126.00	
	For Galvanized Cast Iron Parts, Add	307.50	
22 14 26 16-0040	EA 12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Cast Iron Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	2,491.97	148.51
	For Vandal Proof Screws, Add	30.50	
	For Ductile Iron Grate, Add	126.00	
	For Galvanized Cast Iron Parts, Add	307.50	
22 14 26 16-0041	EA 12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Bronze Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	3,529.71	121.55
	For Vandal Proof Screws, Add	30.50	
	For Ductile Iron Grate, Add	126.00	
	For Galvanized Cast Iron Parts, Add	307.50	
22 14 26 16-0042	EA 12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Bronze Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	3,555.91	134.67
	For Vandal Proof Screws, Add	30.50	
	For Ductile Iron Grate, Add	126.00	
	For Galvanized Cast Iron Parts, Add	307.50	
22 14 26 16-0043	EA 12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Bronze Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	3,583.49	148.51
	For Vandal Proof Screws, Add	30.50	
	For Ductile Iron Grate, Add	126.00	
	For Galvanized Cast Iron Parts, Add	307.50	

**22 14 26 19 Facility Trench Drains (22 14 26)**

22 14 26 19-0001	Trench Drain (22 14 26 19) Note: Each section is 39.4" in length.		
22 14 26 19-0002	EA 6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,052.04	121.55
	For Vandal Proof Screws, Add	48.50	
	For Ductile Iron Grate, Add	66.00	
	For Galvanized Cast Iron Parts, Add	98.25	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 19-0003	EA			6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....	1,078.24	134.67
				<i>For Vandal Proof Screws, Add</i>	48.50	
				<i>For Ductile Iron Grate, Add</i>	66.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0004	EA			6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....	1,105.82	148.51
				<i>For Vandal Proof Screws, Add</i>	48.50	
				<i>For Ductile Iron Grate, Add</i>	66.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0005	EA			6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....	634.28	121.55
				<i>For Vandal Proof Screws, Add</i>	48.50	
				<i>For Ductile Iron Grate, Add</i>	66.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0006	EA			6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....	660.48	134.67
				<i>For Vandal Proof Screws, Add</i>	48.50	
				<i>For Ductile Iron Grate, Add</i>	66.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0007	EA			6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....	688.06	148.51
				<i>For Vandal Proof Screws, Add</i>	48.50	
				<i>For Ductile Iron Grate, Add</i>	66.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0008	EA			6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....	995.11	121.55
				<i>For Vandal Proof Screws, Add</i>	48.50	
				<i>For Ductile Iron Grate, Add</i>	66.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0009	EA			6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....	1,021.31	134.67
				<i>For Vandal Proof Screws, Add</i>	48.50	
				<i>For Ductile Iron Grate, Add</i>	66.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0010	EA			6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....	1,048.89	148.51
				<i>For Vandal Proof Screws, Add</i>	48.50	
				<i>For Ductile Iron Grate, Add</i>	66.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0011	EA			6" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....	929.96	60.57
				<i>For Vandal Proof Screws, Add</i>	48.50	
				<i>For Ductile Iron Grate, Add</i>	66.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0012	EA			6" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....	512.20	60.57
				<i>For Vandal Proof Screws, Add</i>	48.50	
				<i>For Ductile Iron Grate, Add</i>	66.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0013	EA			6" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....	873.03	60.57
				<i>For Vandal Proof Screws, Add</i>	48.50	
				<i>For Ductile Iron Grate, Add</i>	66.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0014	EA			12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....	1,677.30	121.55
				<i>For Vandal Proof Screws, Add</i>	48.50	
				<i>For Ductile Iron Grate, Add</i>	181.50	
				<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
				<i>For Sediment Bucket, Add</i>	116.00	
				<i>For Galvanized Sediment Bucket, Add</i>	188.50	
				<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0015	EA			12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....	1,703.50	134.67
				<i>For Vandal Proof Screws, Add</i>	48.50	
				<i>For Ductile Iron Grate, Add</i>	181.50	
				<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
				<i>For Sediment Bucket, Add</i>	116.00	
				<i>For Galvanized Sediment Bucket, Add</i>	188.50	
				<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0016	EA			12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....	1,731.08	148.51
				<i>For Vandal Proof Screws, Add</i>	48.50	
				<i>For Ductile Iron Grate, Add</i>	181.50	
				<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
				<i>For Sediment Bucket, Add</i>	116.00	
				<i>For Galvanized Sediment Bucket, Add</i>	188.50	
				<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0017	EA			12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....	1,160.38	121.55
				<i>For Vandal Proof Screws, Add</i>	48.50	
				<i>For Ductile Iron Grate, Add</i>	181.50	
				<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
				<i>For Sediment Bucket, Add</i>	116.00	
				<i>For Galvanized Sediment Bucket, Add</i>	188.50	
				<i>For Galvanized Cast Iron Parts, Add</i>	131.50	

**22 Plumbing****22 10 Plumbing Piping****22 14 Facility Storm Drainage**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

22 14 26 19-0018	EA	12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,186.58	134.67
		<i>For Vandal Proof Screws, Add</i>	48.50	
		<i>For Ductile Iron Grate, Add</i>	181.50	
		<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
		<i>For Sediment Bucket, Add</i>	116.00	
		<i>For Galvanized Sediment Bucket, Add</i>	188.50	
		<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0019	EA	12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,214.16	148.51
		<i>For Vandal Proof Screws, Add</i>	48.50	
		<i>For Ductile Iron Grate, Add</i>	181.50	
		<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
		<i>For Sediment Bucket, Add</i>	116.00	
		<i>For Galvanized Sediment Bucket, Add</i>	188.50	
		<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0020	EA	12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,606.60	121.55
		<i>For Vandal Proof Screws, Add</i>	48.50	
		<i>For Ductile Iron Grate, Add</i>	181.50	
		<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
		<i>For Sediment Bucket, Add</i>	116.00	
		<i>For Galvanized Sediment Bucket, Add</i>	188.50	
		<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0021	EA	12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,632.80	134.67
		<i>For Vandal Proof Screws, Add</i>	48.50	
		<i>For Ductile Iron Grate, Add</i>	181.50	
		<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
		<i>For Sediment Bucket, Add</i>	116.00	
		<i>For Galvanized Sediment Bucket, Add</i>	188.50	
		<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0022	EA	12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,660.38	148.51
		<i>For Vandal Proof Screws, Add</i>	48.50	
		<i>For Ductile Iron Grate, Add</i>	181.50	
		<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
		<i>For Sediment Bucket, Add</i>	116.00	
		<i>For Galvanized Sediment Bucket, Add</i>	188.50	
		<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0023	EA	12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,401.86	121.55
		<i>For Vandal Proof Screws, Add</i>	48.50	
		<i>For Ductile Iron Grate, Add</i>	181.50	
		<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
		<i>For Sediment Bucket, Add</i>	116.00	
		<i>For Galvanized Sediment Bucket, Add</i>	188.50	
		<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0024	EA	12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,428.06	134.67
		<i>For Vandal Proof Screws, Add</i>	48.50	
		<i>For Ductile Iron Grate, Add</i>	181.50	
		<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
		<i>For Sediment Bucket, Add</i>	116.00	
		<i>For Galvanized Sediment Bucket, Add</i>	188.50	
		<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0025	EA	12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,455.64	148.51
		<i>For Vandal Proof Screws, Add</i>	48.50	
		<i>For Ductile Iron Grate, Add</i>	181.50	
		<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
		<i>For Sediment Bucket, Add</i>	116.00	
		<i>For Galvanized Sediment Bucket, Add</i>	188.50	
		<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0026	EA	12" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,555.20	60.57
		<i>For Vandal Proof Screws, Add</i>	48.50	
		<i>For Ductile Iron Grate, Add</i>	181.50	
		<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
22 14 26 19-0027	EA	12" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,038.28	60.57
		<i>For Vandal Proof Screws, Add</i>	48.50	
		<i>For Ductile Iron Grate, Add</i>	181.50	
		<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
22 14 26 19-0028	EA	12" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,484.50	60.57
		<i>For Vandal Proof Screws, Add</i>	48.50	
		<i>For Ductile Iron Grate, Add</i>	181.50	
		<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
22 14 26 19-0029	EA	12" Wide Trench Drain x 15" Extension Section, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,279.76	60.57
		<i>For Vandal Proof Screws, Add</i>	48.50	
		<i>For Ductile Iron Grate, Add</i>	181.50	
		<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	

**22 14 29 Sump Pumps (22 14)**

See CSI section 22 11 16 00-0000 for pipe extensions into well.

**22 14 29 13 Wet-Pit-Mounted, Vertical Sump Pumps (22 14 29)**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**22 14 29 13-0001 Vertical Mounted Sump Pumps** (22 14 29 13)

Note: Supplied with 1750 RPM premium efficient motor with drip cover, float switch assembly, steel support mounting plate and 5' column sections.

22 14 29 13-0002	EA		1 HP Vertical Mounted Cast Iron Sump Pump, 1-1/2" Discharge, Single Stage, 25 GPM 40' Head.....	5,256.08	292.93
			<i>For Explosion Proof Motor, Add</i>	274.20	
22 14 29 13-0003	EA		1-1/2 HP Vertical Mounted Cast Iron Sump Pump, 2" Discharge, Single Stage, 75 GPM 40' Head.....	5,566.63	354.55
			<i>For Explosion Proof Motor, Add</i>	304.83	
22 14 29 13-0004	EA		2 HP Vertical Mounted Cast Iron Sump Pump, 2-1/2" Discharge, Single Stage, 100 GPM 40' Head.....	6,363.04	421.23
			<i>For Explosion Proof Motor, Add</i>	393.80	
22 14 29 13-0005	EA		3 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 150 GPM 40' Head.....	6,802.52	518.19
			<i>For Explosion Proof Motor, Add</i>	446.30	
22 14 29 13-0006	EA		5 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 200 GPM 40' Head.....	7,186.96	561.63
			<i>For Explosion Proof Motor, Add</i>	651.95	
22 14 29 13-0007	EA		10 HP Vertical Mounted Cast Iron Sump Pump, 4" Discharge, Single Stage, 300 GPM 70' Head.....	8,524.29	673.75
			<i>For Explosion Proof Motor, Add</i>	739.46	
22 14 29 13-0008	EA		15 HP Vertical Mounted Cast Iron Sump Pump, 5" Discharge, Single Stage, 500 GPM 70' Head.....	9,952.54	697.71
			<i>For Explosion Proof Motor, Add</i>	1,212.01	
22 14 29 13-0009	EA		20 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 800 GPM 70' Head.....	12,035.95	849.39
			<i>For Explosion Proof Motor, Add</i>	1,608.73	
22 14 29 13-0010	EA		30 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 1,000 GPM 70' Head.....	13,010.75	990.60
			<i>For Explosion Proof Motor, Add</i>	2,085.66	
22 14 29 13-0011	EA		50 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 1,600 GPM 70' Head.....	17,440.77	1,189.15
			<i>For Explosion Proof Motor, Add</i>	2,717.19	
22 14 29 13-0012	EA		60 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 2,000 GPM 70' Head.....	24,101.59	1,320.80
			<i>For Explosion Proof Motor, Add</i>	4,306.95	

**22 14 29 13-0013 Extra Column Assemblies** (22 14 29 13)

22 14 29 13-0014	EA		1-1/2" Diameter x 5' Long Extra Column Assembly.....	815.72	
22 14 29 13-0015	EA		2" Diameter x 5' Long Extra Column Assembly.....	892.59	
22 14 29 13-0016	EA		2-1/2" Diameter x 5' Long Extra Column Assembly.....	976.70	
22 14 29 13-0017	EA		3" Diameter x 5' Long Extra Column Assembly.....	1,172.72	
22 14 29 13-0018	EA		4" Diameter x 5' Long Extra Column Assembly.....	1,310.79	
22 14 29 13-0019	EA		5" Diameter x 5' Long Extra Column Assembly.....	1,334.66	
22 14 29 13-0020	EA		6" Diameter x 5' Long Extra Column Assembly.....	1,498.29	
22 14 29 13-0021	EA		8" Diameter x 5' Long Extra Column Assembly.....	1,639.48	

**22 14 29 13-0022 Support Plate** (22 14 29 13)

22 14 29 13-0023	EA		24" Steel Support Plate, Round Or Square.....	702.64	40.38
22 14 29 13-0024	EA		30" Steel Support Plate, Round Or Square.....	777.92	45.43
22 14 29 13-0025	EA		36" Steel Support Plate, Round Or Square.....	1,079.25	60.57
22 14 29 13-0026	EA		40" Steel Support Plate, Round Or Square.....	1,564.76	70.67
22 14 29 13-0027	EA		42" Steel Support Plate, Round Or Square.....	1,677.31	73.20
22 14 29 13-0028	EA		48" Steel Support Plate, Round Or Square.....	1,793.24	75.72
22 14 29 13-0029	EA		54" Steel Support Plate, Round Or Square.....	2,284.00	90.86
22 14 29 13-0030	EA		60" Steel Support Plate, Round Or Square.....	3,092.09	100.95
22 14 29 13-0031	EA		72" Steel Support Plate, Round Or Square.....	4,127.82	126.20
22 14 29 13-0032	EA		84" Steel Support Plate, Round Or Square.....	4,982.69	138.81

**22 14 29 16 Submersible Sump Pumps** (22 14 29)

**22 14 29 16-0001 Submersible Sump Pump With Vortex Impeller** (22 14 29 16)

**22 14 29 16-0002 Submersible Sump Pump With Cast Iron Vortex Impeller** (22 14 29 16-0001)

22 14 29 16-0003	EA		1/3 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	426.33	65.78
22 14 29 16-0004	EA		1/3 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	469.38	65.78
22 14 29 16-0005	EA		1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	723.54	69.61
22 14 29 16-0006	EA		1/2 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	791.67	69.61

**22 14 29 16-0007 Submersible Sump Pump With Bronze Vortex Impeller** (22 14 29 16-0001)

Note: Includes 20' of cord with pump.

22 14 29 16-0008	EA		1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,198.57	69.61
22 14 29 16-0009	EA		1/2 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,301.24	69.61
22 14 29 16-0010	EA		1 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,368.58	76.73
22 14 29 16-0011	EA		1 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,478.35	76.73
22 14 29 16-0012	EA		1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,525.43	87.70
22 14 29 16-0013	EA		1-1/2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,633.31	87.70
22 14 29 16-0014	EA		2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,642.14	104.14
22 14 29 16-0015	EA		2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,735.83	104.14

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 14 Facility Storm Drainage**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

22 14 29 16-0016		Submersible Sump Pump With Semi-Open Impeller (22 14 29 16)	
Note: Includes 20' of cord with pump.			
22 14 29 16-0017	EA	1/3 HP Manual Submersible Sump Pump, 115 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller .....	1,015.54 65.78
22 14 29 16-0018	EA	1/3 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller .....	1,047.89 65.78
22 14 29 16-0019	EA	1/2 HP Manual Submersible Sump Pump, 115 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller .....	1,304.49 69.61
22 14 29 16-0020	EA	1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller .....	1,327.21 69.61
22 14 29 16-0021	EA	3/4 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller .....	1,589.06 73.45
22 14 29 16-0022	EA	3/4 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller .....	1,589.06 73.45
22 14 29 16-0023	EA	1 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller .....	1,680.44 76.73
22 14 29 16-0024	EA	1 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller .....	1,680.44 76.73
22 14 29 16-0025	EA	1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller .....	1,917.88 87.70
22 14 29 16-0026	EA	1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller .....	1,917.88 87.70
22 14 29 16-0027	EA	2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller .....	2,230.98 104.14
22 14 29 16-0028	EA	2 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller .....	2,191.64 104.14

**22 14 29 19 Sump-Pump Basins and Pits (22 14 29)**  
See CSI section 22 13 29 33-0000 for basins and pits.

**22 15 General Service Compressed-Air Systems (22 10)**

**22 15 13 General Service Compressed-Air Piping (22 15)**

22 15 13 00-0001		Quick Disconnect, Air-Service (22 15 13)	
22 15 13 00-0002		Combination Steel And Brass (22 15 13 00-0001)	
22 15 13 00-0003	EA	1/2" Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket .....	51.86 15.35
22 15 13 00-0004	EA	3/4" Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket .....	57.74 18.63

**22 15 13 00-0005 Refrigerated Air Dryers With Ambient Air Filters (22 15 13)**

Note: 120 Voltage, 1 Phase

22 15 13 00-0006	EA	3 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters .....	711.23 87.45
22 15 13 00-0007	EA	5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters .....	813.28 89.89
22 15 13 00-0008	EA	7.5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters .....	958.03 92.32
22 15 13 00-0009	EA	10 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters .....	1,078.32 97.17
22 15 13 00-0010	EA	15 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters .....	1,404.58 109.32
22 15 13 00-0011	EA	20 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters .....	1,588.06 124.38
22 15 13 00-0012	EA	25 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters .....	1,781.63 140.90
22 15 13 00-0013	EA	30 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters .....	2,094.07 157.90
22 15 13 00-0014	EA	40 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters .....	2,427.44 184.63
22 15 13 00-0015	EA	50 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters .....	2,735.40 197.26
22 15 13 00-0016	EA	60 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters .....	3,214.45 218.64
22 15 13 00-0017	EA	75 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters .....	3,697.66 242.93
		<i>For 230 Voltage, Add</i>	963.54
22 15 13 00-0018	EA	85 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters .....	3,996.71 267.23
		<i>For 230 Voltage, Add</i>	1,038.68
22 15 13 00-0019	EA	100 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters .....	4,304.21 296.38
		<i>For 230 Voltage, Add</i>	1,113.82
22 15 13 00-0020	EA	125 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters .....	4,653.74 315.82
		<i>For 230 Voltage, Add</i>	1,206.63
22 15 13 00-0021	EA	175 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters .....	4,921.12 327.96
		<i>For 230 Voltage, Add</i>	1,279.56
22 15 13 00-0022	EA	200 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters .....	8,525.53 340.11
		<i>For 230 Voltage, Add</i>	2,353.60
22 15 13 00-0023	EA	250 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters .....	9,161.25 352.26
		<i>For 230 Voltage, Add</i>	2,537.02
22 15 13 00-0024	EA	300 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters .....	9,779.29 364.40
		<i>For 230 Voltage, Add</i>	2,715.14
22 15 13 00-0025	EA	400 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters .....	11,617.93 388.70
		<i>For 230 Voltage, Add</i>	3,252.16
22 15 13 00-0026	EA	500 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters .....	13,178.03 485.87
		<i>For 230 Voltage, Add</i>	3,661.89
22 15 13 00-0027	EA	600 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters .....	18,742.55 583.04
		<i>For 230 Voltage, Add</i>	5,272.94
22 15 13 00-0028	EA	800 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters .....	25,448.90 680.21
		<i>For 230 Voltage, Add</i>	7,226.54
22 15 13 00-0029	EA	1,000 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters .....	28,494.07 777.39
		<i>For 230 Voltage, Add</i>	8,081.79

**22 15 13 00-0030 Oil And Water Separator For Air Compressor (22 15 13)**

22 15 13 00-0031	EA	0-60 SCFM Oil/Water Separator .....	635.76 35.10
22 15 13 00-0032	EA	85 SCFM Oil/Water Separator .....	851.31 41.12
22 15 13 00-0033	EA	190 SCFM Oil/Water Separator .....	994.88 46.61
22 15 13 00-0034	EA	245 SCFM Oil/Water Separator .....	1,248.53 54.84

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 15 13 00-0035 EA 320 SCFM Oil/Water Separator.....	1,484.10	65.80
22 15 13 00-0036 EA 700 SCFM Oil/Water Separator.....	2,992.42	137.09
<b>22 15 13 00-0037 Heavy Duty Industrial Pressure Regulator (22 15 13)</b>		
22 15 13 00-0038 EA 3/8" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	112.82	29.15
22 15 13 00-0039 EA 1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	157.30	38.87
22 15 13 00-0040 EA 3/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	266.30	48.59
22 15 13 00-0041 EA 1" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	335.52	72.88
22 15 13 00-0042 EA 1-1/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	466.68	85.03
22 15 13 00-0043 EA 1-1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	490.97	97.17
<b>22 15 13 00-0044 Combination Air System; Filter Regulator Lubricator (22 15 13)</b>		
22 15 13 00-0045 EA 3/8" Filter Regulator Lubricator, Max 150 PSI Input, 150 CFM, 40 Micron Filter.....	425.37	87.45
22 15 13 00-0046 EA 1/2" Filter Regulator Lubricator, Max 150 PSI Input, 150 CFM, 40 Micron Filter.....	527.87	116.61
<b>22 15 13 00-0047 Heatless Desiccant Air Dryers (22 15 13)</b>		
22 15 13 00-0048 EA 5 SCFM Heatless Desiccant Air Dryer.....	2,447.78	87.45
22 15 13 00-0049 EA 10 SCFM Heatless Desiccant Air Dryer.....	2,942.04	97.17
22 15 13 00-0050 EA 15 SCFM Heatless Desiccant Air Dryer.....	2,971.80	106.89
22 15 13 00-0051 EA 20 SCFM Heatless Desiccant Air Dryer.....	3,394.38	121.46
22 15 13 00-0052 EA 30 SCFM Heatless Desiccant Air Dryer.....	4,673.12	145.76
22 15 13 00-0053 EA 50 SCFM Heatless Desiccant Air Dryer.....	4,621.49	194.34
22 15 13 00-0054 EA 85 SCFM Heatless Desiccant Air Dryer.....	6,205.22	242.93
22 15 13 00-0055 EA 100 SCFM Heatless Desiccant Air Dryer.....	6,589.39	291.53
22 15 13 00-0056 EA 125 SCFM Heatless Desiccant Air Dryer.....	7,544.61	340.11
22 15 13 00-0057 EA 175 SCFM Heatless Desiccant Air Dryer.....	8,663.23	388.70
22 15 13 00-0058 EA 200 SCFM Heatless Desiccant Air Dryer.....	9,312.16	437.28
22 15 13 00-0059 EA 300 SCFM Heatless Desiccant Air Dryer.....	11,380.60	485.87
22 15 13 00-0060 EA 400 SCFM Heatless Desiccant Air Dryer.....	12,647.51	583.04
22 15 13 00-0061 EA 500 SCFM Heatless Desiccant Air Dryer.....	14,618.67	680.21
22 15 13 00-0062 EA 600 SCFM Heatless Desiccant Air Dryer.....	16,866.79	777.39
<b>22 15 13 00-0063 Air Cooled Aftercoolers (22 15 13)</b>		
22 15 13 00-0064 EA 20 SCFM Air-Cooled Aftercooler.....	622.41	60.73
22 15 13 00-0065 EA 35 SCFM Air-Cooled Aftercooler.....	839.68	72.88
22 15 13 00-0066 EA 43 SCFM Air-Cooled Aftercooler.....	922.91	85.03
22 15 13 00-0067 EA 70 SCFM Air-Cooled Aftercooler.....	1,126.94	97.17
22 15 13 00-0068 EA 125 SCFM Air-Cooled Aftercooler.....	1,566.70	109.32
22 15 13 00-0069 EA 185 SCFM Air-Cooled Aftercooler.....	1,758.96	121.46
22 15 13 00-0070 EA 260 SCFM Air-Cooled Aftercooler.....	3,394.89	145.76
22 15 13 00-0071 EA 365 SCFM Air-Cooled Aftercooler.....	3,551.31	170.05
22 15 13 00-0072 EA 560 SCFM Air-Cooled Aftercooler.....	3,706.57	194.34
22 15 13 00-0073 EA 650 SCFM Air-Cooled Aftercooler.....	4,345.65	218.64
22 15 13 00-0074 EA 750 SCFM Air-Cooled Aftercooler.....	4,751.37	242.93
22 15 13 00-0075 EA 900 SCFM Air-Cooled Aftercooler.....	5,447.02	267.23
22 15 13 00-0076 EA 1,100 SCFM Air-Cooled Aftercooler.....	6,986.59	291.53
22 15 13 00-0077 EA 1,460 SCFM Air-Cooled Aftercooler.....	7,989.29	315.82
22 15 13 00-0078 EA 1,800 SCFM Air-Cooled Aftercooler.....	8,251.50	340.11
22 15 13 00-0079 EA 2,500 SCFM Air-Cooled Aftercooler.....	8,848.17	364.40
<b>22 15 13 00-0080 Compressed Air Coalescing Filters (22 15 13)</b>		
<b>22 15 13 00-0081 1.0 Micron Filter Rated Compressed Air Coalescing Filters (22 15 13 00-0080)</b>		
22 15 13 00-0082 EA 10 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating.....	218.62	35.64
22 15 13 00-0083 EA 20 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating.....	259.87	35.64
22 15 13 00-0084 EA 50 SCFM, 1/2", Coalescing Filter, 1.0 Micron Filter Rating.....	284.09	41.12
22 15 13 00-0085 EA 75 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating.....	327.10	47.16
22 15 13 00-0086 EA 100 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating.....	381.17	52.10
22 15 13 00-0087 EA 140 SCFM, 1", Coalescing Filter, 1.0 Micron Filter Rating.....	432.56	63.06
22 15 13 00-0088 EA 175 SCFM, 1-1/4" Coalescing Filter, 1.0 Micron Filter Rating.....	506.30	68.54
22 15 13 00-0089 EA 250 SCFM, 1-1/2" Coalescing Filter, 1.0 Micron Filter Rating.....	565.25	82.25
22 15 13 00-0090 EA 280 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating.....	726.17	109.67
22 15 13 00-0091 EA 350 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating.....	830.19	123.38
<b>22 15 13 00-0092 0.01 Micron Filter Rated Compressed Air Coalescing Filters (22 15 13 00-0080)</b>		
22 15 13 00-0093 EA 16 SCFM, 3/8" Coalescing Filter, 0.01 Micron Filter Rating.....	265.77	35.64
22 15 13 00-0094 EA 30 SCFM, 1/2" Coalescing Filter, 0.01 Micron Filter Rating.....	288.50	41.12
22 15 13 00-0095 EA 60 SCFM, 3/4" Coalescing Filter, 0.01 Micron Filter Rating.....	331.23	47.16
22 15 13 00-0096 EA 100 SCFM, 1" Coalescing Filter, 0.01 Micron Filter Rating.....	389.42	46.61
22 15 13 00-0097 EA 140 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating.....	441.99	63.06
22 15 13 00-0098 EA 180 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating.....	501.00	68.54
22 15 13 00-0099 EA 250 SCFM, 1-1/2" Coalescing Filter, 0.01 Micron Filter Rating.....	575.86	82.25
22 15 13 00-0100 EA 280 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating.....	743.84	109.67
22 15 13 00-0101 EA 350 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating.....	853.76	123.38
<b>22 15 13 00-0102 Compressed Air Storage Tanks (22 15 13)</b>		
<b>22 15 13 00-0103 Horizontal Compressed Air Storage Tanks (22 15 13 00-0102)</b>		

<b>22</b>	<b>22 Plumbing</b>
	<b>22 10 Plumbing Piping</b>
	<b>22 15 General Service Compressed-Air Systems</b>



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST

22 15 13 00-0104	EA	12 Gallon Horizontal Compressed Air Storage Tank, ASME .....	361.74	77.74
22 15 13 00-0105	EA	15 Gallon Horizontal Compressed Air Storage Tank, ASME .....	660.79	85.03
22 15 13 00-0106	EA	20 Gallon Horizontal Compressed Air Storage Tank, ASME .....	700.21	89.40
22 15 13 00-0107	EA	30 Gallon Horizontal Compressed Air Storage Tank, ASME .....	798.87	97.17
22 15 13 00-0108	EA	60 Gallon Horizontal Compressed Air Storage Tank, ASME .....	1,042.33	131.18
22 15 13 00-0109	EA	80 Gallon Horizontal Compressed Air Storage Tank, ASME .....	1,259.80	145.76
22 15 13 00-0110	EA	120 Gallon Horizontal Compressed Air Storage Tank, ASME .....	1,895.44	170.05
22 15 13 00-0111	EA	200 Gallon Horizontal Compressed Air Storage Tank, ASME .....	2,833.49	194.34
22 15 13 00-0112	EA	240 Gallon Horizontal Compressed Air Storage Tank, ASME .....	3,160.21	206.49
22 15 13 00-0113	EA	325 Gallon Horizontal Compressed Air Storage Tank, ASME .....	4,577.85	218.64
22 15 13 00-0114	EA	400 Gallon Horizontal Compressed Air Storage Tank, ASME .....	6,035.21	255.09
22 15 13 00-0115	EA	660 Gallon Horizontal Compressed Air Storage Tank, ASME .....	8,689.14	303.67

**22 15 13 00-0116 Vertical Compressed Air Storage Tanks** (22 15 13 00-0102)

22 15 13 00-0117	EA	10 Gallon Vertical Compressed Air Storage Tank, ASME .....	615.54	77.74
22 15 13 00-0118	EA	15 Gallon Vertical Compressed Air Storage Tank, ASME .....	645.45	85.03
22 15 13 00-0119	EA	20 Gallon Vertical Compressed Air Storage Tank, ASME .....	700.21	89.40
22 15 13 00-0120	EA	30 Gallon Vertical Compressed Air Storage Tank, ASME .....	829.23	97.17
22 15 13 00-0121	EA	60 Gallon Vertical Compressed Air Storage Tank, ASME .....	1,133.43	131.18
22 15 13 00-0122	EA	80 Gallon Vertical Compressed Air Storage Tank, ASME .....	1,303.67	145.76
22 15 13 00-0123	EA	120 Gallon Vertical Compressed Air Storage Tank, ASME .....	1,800.05	170.05
22 15 13 00-0124	EA	200 Gallon Vertical Compressed Air Storage Tank, ASME .....	2,636.88	194.34
22 15 13 00-0125	EA	240 Gallon Vertical Compressed Air Storage Tank, ASME .....	2,909.61	206.49
22 15 13 00-0126	EA	325 Gallon Vertical Compressed Air Storage Tank, ASME .....	3,964.44	218.64
22 15 13 00-0127	EA	400 Gallon Vertical Compressed Air Storage Tank, ASME .....	5,083.21	255.09
22 15 13 00-0128	EA	500 Gallon Vertical Compressed Air Storage Tank, ASME .....	6,634.68	279.38
22 15 13 00-0129	EA	660 Gallon Vertical Compressed Air Storage Tank, ASME .....	11,044.43	315.82

**22 15 19 General Service Packaged Air Compressors and Receivers** (22 15)

Note: Includes V-belt drive, receiver, motor, starter mounted and wired. Excludes piping, pressure reducing valve station, or air dryer.

**22 15 19 13 General Service Packaged Reciprocating Air Compressors** (22 15 19)

**22 15 19 13-0001 Single Stage Compressor** (22 15 19 13)

Note: Includes receiver, reciprocating air cooled, 140 PSIG working pressure, splash lubricated, tank mounted.

22 15 19 13-0002	EA	1/2 HP 1-Stage Air Compressor, 1.5 ACFM Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure .....	2,724.00	344.77
22 15 19 13-0003	EA	3/4 HP 1-Stage Air Compressor, 2.0 ACFM Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure .....	2,847.19	397.93
22 15 19 13-0004	EA	1 HP 1-Stage Air Compressor, 2.5 ACFM Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure .....	3,249.54	469.94
22 15 19 13-0005	EA	2 HP 1-Stage Air Compressor, Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure .....	3,701.59	518.52
22 15 19 13-0006	EA	3 HP 1-Stage Air Compressor, Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure .....	4,525.27	547.67
22 15 19 13-0007	EA	3 HP 1-Stage Air Compressor, Air Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure .....	4,834.53	567.11
22 15 19 13-0008	EA	5 HP 1-Stage Air Compressor, Air Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure .....	5,429.28	648.15
22 15 19 13-0009	EA	5 HP 1-Stage Air Compressor, Air Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure .....	5,823.19	687.02
22 15 19 13-0010	EA	7.5 HP 1-Stage Air Compressor, Air Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure .....	6,985.38	777.78

**22 15 19 13-0011 Two Stage Compressor** (22 15 19 13)

Note: With receiver, reciprocating air cooled, discharge pressure 80-200 PSIG, receiver capacity as noted, splash lubricated, tank mounted.

22 15 19 13-0012	EA	1-1/2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 5.0 ACFM, 80-200 PSIG Discharge Pressure .....	5,206.82	605.98
22 15 19 13-0013	EA	2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 7.0 ACFM, 80-200 PSIG Discharge Pressure .....	5,591.58	712.96
22 15 19 13-0014	EA	3 HP 2-Stage Air Compressor, 60 Gallon Receiver, 12 ACFM, 80-200 PSIG Discharge Pressure .....	5,845.64	777.78
22 15 19 13-0015	EA	5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 15 ACFM, 80-200 PSIG Discharge Pressure .....	6,679.13	1,037.04
22 15 19 13-0016	EA	5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 16.5 ACFM, 80-200 PSI Max Discharge Pressure .....	7,198.29	1,037.04
22 15 19 13-0017	EA	7.5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 19.8 ACFM, 80-200 PSIG Discharge Pressure .....	7,733.93	1,296.30
22 15 19 13-0018	EA	7.5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 25.6 ACFM, 80-200 PSI Max Discharge Pressure .....	8,204.80	1,296.30
22 15 19 13-0019	EA	10 HP 2-Stage Air Compressor, 80 Gallon Receiver, 35.0 ACFM, 80-200 PSI Max Discharge Pressure .....	10,518.59	1,603.37
22 15 19 13-0020	EA	10 HP 2-Stage Air Compressor, 120 Gallon Receiver, 38 ACFM, 80-200 PSIG Discharge Pressure .....	11,288.09	1,651.95
22 15 19 13-0021	EA	15 HP 2-Stage Air Compressor, 120 Gallon Receiver, 50 ACFM, 80-200 PSIG Discharge Pressure .....	12,193.55	1,930.65
22 15 19 13-0022	EA	20 HP 2-Stage Air Compressor, 120 Gallon Receiver, 70 ACFM, 80-200 PSIG Discharge Pressure .....	18,361.21	2,185.44
22 15 19 13-0023	EA	25 HP 2-Stage Air Compressor, 120 Gallon Receiver, 84.4 ACFM, 175 PSI Max Discharge Pressure .....	19,727.22	2,469.47
22 15 19 13-0024	EA	30 HP 2-Stage Air Compressor, 120 Gallon Receiver, 97.2 ACFM, 175 PSI Max Discharge Pressure .....	21,987.57	2,729.32
22 15 19 13-0025	EA	30 HP 2-Stage Air Compressor, 250 Gallon Receiver, 101 ACFM, 175 PSI Max Discharge Pressure .....	23,920.53	2,991.21

**22 15 19 19 General Service Packaged Rotary-Screw Air Compressors** (22 15 19)

**22 15 19 19-0001 Rotary Screw Air Compressor, Base Mounted Without Receiver** (22 15 19 19)

Note: Oil flooded.

22 15 19 19-0002	EA	3 HP, 8.5 SCFM, Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated .....	8,893.38	875.18
22 15 19 19-0003	EA	5 HP, 16.6 SCFM, Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated .....	9,923.67	1,166.90
22 15 19 19-0004	EA	7.5 HP, 27 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated .....	12,723.93	1,463.02
22 15 19 19-0005	EA	10 HP, 37 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated .....	14,717.30	1,864.42
22 15 19 19-0006	EA	15 HP, 56 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated .....	16,839.00	2,193.42
22 15 19 19-0007	EA	20 HP, 79 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated .....	20,433.69	2,467.61
22 15 19 19-0008	EA	25 HP, 114 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated .....	22,393.64	2,741.79
22 15 19 19-0009	EA	30 HP, 137 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated .....	26,934.92	3,070.80
22 15 19 19-0010	EA	40 HP, 183 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated .....	29,608.57	3,290.14
22 15 19 19-0011	EA	50 HP, 214 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated .....	33,237.87	3,545.68
22 15 19 19-0012	EA	60 HP, 256 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated .....	43,225.04	3,838.51
22 15 19 19-0013	EA	75 HP, 320 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated .....	47,963.27	4,057.84
22 15 19 19-0014	EA	100 HP, 494 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated .....	77,012.36	4,386.86

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 15 19 19-0015	EA			125 HP, 592 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated.....	96,090.94	4,743.29
22 15 19 19-0016	EA			150 HP, 695 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated.....	111,627.48	5,105.20
22 15 19 19-0017	EA			220 HP, 996 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated.....	145,260.38	5,483.58
22 15 19 19-0018	EA			250 HP, 1,000 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated.....	165,043.45	5,834.52

**22 15 19 19-0019 Rotary Screw Air Compressor, Base Mounted With Receiver** (22 15 19 19)

Note: Includes receiver, motor, starter mounted and wired. Excludes piping, pressure reducing valve station, or air dryer.

22 15 19 19-0020	EA			5 HP, 18.5 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 150 PSIG Max Discharge Pressure, Lubricated.....	11,099.63	1,166.90
22 15 19 19-0021	EA			5 HP, 18.5 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 150 PSIG Max Discharge Pressure, Lubricated.....	11,795.06	1,166.90
22 15 19 19-0022	EA			7.5 HP, 28 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	13,276.89	1,463.02
22 15 19 19-0023	EA			7.5 HP, 28 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	14,037.52	1,463.02
22 15 19 19-0024	EA			10 HP, 38 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	15,021.55	1,864.42
22 15 19 19-0025	EA			10 HP, 38 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	15,825.64	1,864.42
22 15 19 19-0026	EA			15 HP, 55 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	17,090.13	2,193.42
22 15 19 19-0027	EA			15 HP, 55 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	17,959.42	2,193.42
22 15 19 19-0028	EA			20 HP, 75 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	29,590.24	2,467.61
22 15 19 19-0029	EA			25 HP, 102 SCFM, 120 gallon receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	31,876.16	2,741.79
22 15 19 19-0030	EA			30 HP, 125 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	33,944.79	3,070.80

**22 30 Plumbing Equipment** (22)

**22 31 Domestic Water Softeners** (22 30)

**22 31 16 Commercial Domestic Water Softeners** (22 31)

**22 31 16 00-0001 Commercial Water Softeners (Watts Pure Water)** (22 31 16)

**22 31 16 00-0002 Commercial Water Softeners (Watts Pure Water)** (22 31 16 00-0001)

**22 31 16 00-0003 1" Pipe Connection, Commercial Water Softeners (Watts Pure Water)** (22 31 16 00-0002)

Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.

22 31 16 00-0004	EA			30,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111A11).....	4,219.72	277.63
22 31 16 00-0005	EA			45,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111B11).....	4,410.72	290.24
22 31 16 00-0006	EA			60,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111C11).....	4,762.11	302.86
22 31 16 00-0007	EA			90,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111D11).....	5,486.04	315.48
22 31 16 00-0008	EA			120,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111E11).....	5,848.13	328.11

**22 31 16 00-0009 1-1/2" Pipe Connection, Commercial Water Softeners (Watts Pure Water)** (22 31 16 00-0002)

Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.

22 31 16 00-0010	EA			60,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121C11).....	6,335.91	302.86
22 31 16 00-0011	EA			90,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121D11).....	6,664.16	315.48
22 31 16 00-0012	EA			120,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121E11).....	7,028.03	328.11
22 31 16 00-0013	EA			150,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121F11).....	8,357.95	340.72
22 31 16 00-0014	EA			210,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121G11).....	9,293.95	353.34
22 31 16 00-0015	EA			300,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121H11).....	11,324.31	365.96

**22 31 16 00-0016 2" Pipe Connection, Commercial Water Softeners (Watts Pure Water)** (22 31 16 00-0002)

Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.

22 31 16 00-0017	EA			90,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131D11).....	9,640.65	315.48
22 31 16 00-0018	EA			120,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131E11).....	9,992.04	328.11

**22 Plumbing****22 30 Plumbing Equipment****22 31 Domestic Water Softeners**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
22 31 16 00-0019	EA	150,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131F11).....	11,325.52		340.72
22 31 16 00-0020	EA	210,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131G11).....	12,261.53		353.34
22 31 16 00-0021	EA	300,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131H11).....	14,402.39		365.96
22 31 16 00-0022	EA	450,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131I11).....	19,010.00		378.58
22 31 16 00-0023	EA	600,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131J11).....	22,245.22		391.19
22 31 16 00-0024		<b>3" Pipe Connection, Commercial Water Softeners (Watts Pure Water) <small>(22 31 16 00-0024)</small></b> <small>Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.</small>			
22 31 16 00-0025	EA	300,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151H11).....	23,356.82		365.96
22 31 16 00-0026	EA	450,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151I11).....	26,989.49		378.58
22 31 16 00-0027	EA	600,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J11).....	30,181.93		391.19
22 31 16 00-0028	EA	900,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151K11).....	38,011.99		403.82
22 31 16 00-0029	EA	1050,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151L11).....	42,093.82		416.44
22 31 16 00-0030		<b>Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) <small>(22 31 16 00-0030)</small></b>			
22 31 16 00-0031		<b>2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) <small>(22 31 16 00-0031)</small></b> <small>Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and two fully automatic metered demand control valves.</small>			
22 31 16 00-0032	EA	90,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131D21).....	15,828.91		473.23
22 31 16 00-0033	EA	120,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131E21).....	16,531.57		492.15
22 31 16 00-0034	EA	150,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131F21).....	18,831.20		511.08
22 31 16 00-0035	EA	210,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131G21).....	20,592.58		530.01
22 31 16 00-0036	EA	300,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131H21).....	25,150.42		548.94
22 31 16 00-0037	EA	450,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131I21).....	33,340.66		567.87
22 31 16 00-0038	EA	600,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131J21).....	39,253.07		586.80
22 31 16 00-0039		<b>3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) <small>(22 31 16 00-0039)</small></b> <small>Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and two fully automatic metered demand control valves.</small>			
22 31 16 00-0040	EA	300,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151H21).....	42,909.56		548.94
22 31 16 00-0041	EA	450,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151I21).....	49,303.21		567.87
22 31 16 00-0042	EA	600,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J21).....	55,413.46		586.80
22 31 16 00-0043	EA	900,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151K21).....	70,528.06		605.72
22 31 16 00-0044	EA	1,050,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151L21).....	78,752.15		624.66
22 31 16 00-0045		<b>Twin Alternating, Commercial Water Softeners (Watts Pure Water) <small>(22 31 16 00-0045)</small></b>			
22 31 16 00-0046		<b>1" Pipe Connection, Twin Alternating, Commercial Water Softeners (Watts Pure Water) <small>(22 31 16 00-0046)</small></b> <small>Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.</small>			
22 31 16 00-0047	EA	30,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161A21).....	5,541.80		416.44
22 31 16 00-0048	EA	45,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161B21).....	5,911.16		435.37
22 31 16 00-0049	EA	60,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161C21).....	6,449.85		454.29
22 31 16 00-0050	EA	90,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161D21).....	7,749.60		473.23
22 31 16 00-0051	EA	120,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21).....	8,575.25		492.15

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 31 16 00-0052			<b>1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softeners (Watts Pure Water)</b> (22 31 16 00-0045) Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0053	EA		60,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161A21).....	10,893.20	454.29
22 31 16 00-0054	EA		90,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161B21).....	11,487.15	473.23
22 31 16 00-0055	EA		120,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161C21).....	12,366.27	492.15
22 31 16 00-0056	EA		150,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161D21).....	14,161.50	511.08
22 31 16 00-0057	EA		210,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21).....	15,983.48	530.01
22 31 16 00-0058	EA		300,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21).....	20,026.22	548.94

**22 32 Domestic Water Filtration Equipment** (22 30)

**22 32 16 Domestic-Water Freestanding Cartridge Filters** (22 32)

22 32 16 00-0001			<b>Commercial Water Filters Housings</b> (22 32 16)		
22 32 16 00-0002			<b>Commercial Multi-Cartridge Stainless Steel Water Filter Housings</b> (22 32 16 00-0001)		
22 32 16 00-0003			<b>Commercial Multi-Cartridge Stainless Steel Water Filter Housings</b> (22 32 16 00-0002)		
22 32 16 00-0004	EA		25 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X1).....	2,183.33	178.21
22 32 16 00-0005	EA		30 GPM Max Flow Rate, 5 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS5X1).....	2,226.78	191.93
22 32 16 00-0006	EA		60 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X2).....	2,370.05	205.63
22 32 16 00-0007	EA		90 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X3).....	2,623.82	219.35
22 32 16 00-0008	EA		120 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X4).....	2,702.92	233.05
22 32 16 00-0009	EA		150 GPM Max Flow Rate, 5 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS5X4).....	3,275.74	246.76
22 32 16 00-0010	EA		250 GPM Max Flow Rate, 12 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS12X3).....	9,195.54	260.47
22 32 16 00-0011	EA		300 GPM Max Flow Rate, 12 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS12X4).....	10,696.94	274.18
22 32 16 00-0012	EA		500 GPM Max Flow Rate, 22 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS22X3).....	13,579.65	287.89
22 32 16 00-0013	EA		600 GPM Max Flow Rate, 22 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS22X4).....	15,063.23	301.60

**22 32 16 00-0014 Commercial Water Filter Cartridges** (22 32 16 00-0002)

22 32 16 00-0015			<b>(Depth) Water Filter Cartridges</b> (22 32 16 00-0014)		
22 32 16 00-0016	EA		50 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M50).....	11.06	2.20
22 32 16 00-0017	EA		20 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M20).....	11.06	2.20
22 32 16 00-0018	EA		10 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M10).....	11.06	2.20
22 32 16 00-0019	EA		5 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M5).....	9.28	2.20
22 32 16 00-0020	EA		1 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M1).....	11.51	2.20
22 32 16 00-0021	EA		50 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M50).....	11.51	2.20
22 32 16 00-0022	EA		20 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M20).....	12.40	2.20
22 32 16 00-0023	EA		5 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Big Pure Water PWMB20M5).....	15.52	2.20
22 32 16 00-0024	EA		1 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M1).....	12.40	2.20
22 32 16 00-0025	EA		50 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M50).....	14.63	2.20
22 32 16 00-0026	EA		20 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M20).....	14.63	2.20
22 32 16 00-0027	EA		5 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M5).....	14.63	2.20
22 32 16 00-0028	EA		1 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M1).....	15.97	2.20
22 32 16 00-0029	EA		50 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M50).....	20.87	2.20
22 32 16 00-0030	EA		20 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M20).....	19.08	2.20
22 32 16 00-0031	EA		5 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M5).....	19.08	2.20
22 32 16 00-0032	EA		1 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M1).....	20.87	2.20

**22 32 16 00-0033 Pleated Water Filter Cartridges** (22 32 16 00-0014)

22 32 16 00-0034	EA		50 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M50).....	19.53	2.20
22 32 16 00-0035	EA		20 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M20).....	19.53	2.20
22 32 16 00-0036	EA		5 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M5).....	19.98	2.20
22 32 16 00-0037	EA		1 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M1).....	21.31	2.20
22 32 16 00-0038	EA		1 Micron Absolute, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M1AB).....	32.01	2.20
22 32 16 00-0039	EA		50 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M50).....	30.67	2.20
22 32 16 00-0040	EA		20 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M20).....	30.67	2.20
22 32 16 00-0041	EA		5 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Big Pure Water PWPL20M5).....	30.67	2.20
22 32 16 00-0042	EA		1 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M1).....	40.47	2.20
22 32 16 00-0043	EA		1 Micron Absolute, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M1AB).....	57.40	2.20
22 32 16 00-0044	EA		50 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M50).....	48.05	2.20
22 32 16 00-0045	EA		20 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M20).....	66.76	2.20
22 32 16 00-0046	EA		5 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M5).....	69.44	2.20
22 32 16 00-0047	EA		1 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M1).....	78.35	2.20

**22 Plumbing****22 30 Plumbing Equipment****22 32 Domestic Water Filtration Equipment**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

22 32 16 00-0048		Commercial Non-Metallic Water Filter Housings (22 32 16 00-0001)		
22 32 16 00-0049		Commercial Non-Metallic Water Filter Housings (22 32 16 00-0048)		
22 32 16 00-0050	EA	150 GPM Max Flow Rate, 1 Cartridge, Commercial Non-Metallic Water Filter Housing (Watts Big Bubba® PWWJCHSG).....	1,720.13	164.51
22 32 16 00-0051		Commercial Water Filter Cartridges (22 32 16 00-0048)		
22 32 16 00-0052		Carbon Water Filter Cartridges (22 32 16 00-0051)		
22 32 16 00-0053	EA	Activated 26-1/4" Length, Carbon Water Filter Cartridge (Watts Big Bubba® PWWJCAC5).....	559.58	2.20
22 32 16 00-0054		(Depth) Water Filter Cartridges (22 32 16 00-0051)		
22 32 16 00-0055	EA	50 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB50).....	116.22	2.20
22 32 16 00-0056	EA	20 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB20).....	115.33	2.20
22 32 16 00-0057	EA	5 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB5).....	115.33	2.20
22 32 16 00-0058	EA	1 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB1).....	132.26	2.20
22 32 16 00-0059		Pleated Water Filter Cartridges (22 32 16 00-0051)		
22 32 16 00-0060	EA	150 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCM150).....	307.38	2.20
22 32 16 00-0061	EA	50 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP50).....	288.66	2.20
22 32 16 00-0062	EA	20 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP20).....	314.51	2.20
22 32 16 00-0063	EA	5 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP5).....	329.66	2.20
22 32 16 00-0064	EA	1 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP1).....	351.04	2.20
22 32 16 00-0065	EA	1 Absolute, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP1AB).....	380.45	2.20
22 33		Electric Domestic Water Heaters (22 30)		
22 33 13		Instantaneous Electric Domestic Water Heaters (22 33)		
22 33 13 13		Flow-Control, Instantaneous Electric Domestic Water Heaters (22 33 13)		
22 33 13 13-0001		Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters (22 33 13 13)		
22 33 13 13-0002	EA	3 To 10 KW Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012, EX48, EX65, EX75, EX95).....	363.46	54.82
22 33 13 13-0003	EA	7.2 KW, 0.75 GPM, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch RP7P).....	509.84	54.82
22 33 13 16		Thermostat-Control, Instantaneous Electric Domestic Water Heaters (22 33 13)		
22 33 13 16-0001		Thermostat Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters (22 33 13 16)		
		Note: Temperature rise decreases with increased flow rate.		
22 33 13 16-0002	EA	3 To 10 KW Thermostat-Control, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012T, EX48T, EX65T, EX75T, EX95T, EX012240T).....	488.64	82.21
22 33 13 16-0003	EA	12 KW, 2.0 GPM, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE12).....	653.14	109.62
22 33 13 16-0004	EA	17.25 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE115).....	1,107.20	191.85
22 33 13 16-0005	EA	26.85 KW, 4.0 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE125).....	1,668.16	219.25
22 33 13 16-0006	EA	12 KW, 1.6 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Temptra 12 Plus).....	954.00	109.62
22 33 13 16-0007	EA	14.4 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Temptra 15 Plus).....	1,312.79	164.44
22 33 13 16-0008	EA	19.2 KW, 2.8 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Temptra 20 Plus).....	1,470.55	219.25
22 33 13 16-0009	EA	24 KW, 3.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Temptra 24 Plus).....	1,521.51	219.25
22 33 13 16-0010	EA	28.8 KW, 4.5 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Temptra 29 Plus).....	1,569.64	219.25
22 33 13 16-0011	EA	36 KW, 4.5 GPM At 55 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Temptra 36 Plus).....	1,640.43	219.25
22 33 30		Residential, Electric Domestic Water Heaters (22 33)		
22 33 30 13		Residential, Small-Capacity Electric Domestic Water Heaters (22 33 30)		
22 33 30 13-0001		Small-Capacity, Electric Domestic Water Heaters (A.O. Smith ProMax) (22 33 30 13)		
		Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 13-0002	EA	2 Gallon, Small-Capacity, Electric Domestic Water Heater.....	718.99	172.66
22 33 30 13-0003	EA	10 Gallon, Small-Capacity, Electric Domestic Water Heater.....	865.49	183.62
22 33 30 13-0004	EA	20 Gallon, Small-Capacity, Electric Domestic Water Heater.....	1,006.51	191.85
22 33 30 16		Residential, Storage Electric Domestic Water Heaters (22 33 30)		



**22 33 30 16-0001 Electric Domestic Water Heaters (A.O. Smith ProMax)** (22 33 30 16)  
Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.

22 33 30 16-0002	EA	30 Gallon, Electric Domestic Water Heater.....	1,067.40	191.85
22 33 30 16-0003	EA	40 Gallon, Electric Domestic Water Heater.....	1,014.37	197.33
22 33 30 16-0004	EA	50 Gallon, Electric Domestic Water Heater.....	1,003.52	202.81
22 33 30 16-0005	EA	55 Gallon, Electric Domestic Water Heater.....	1,107.50	205.55
22 33 30 16-0006	EA	66 Gallon, Electric Domestic Water Heater.....	1,555.67	211.02
22 33 30 16-0007	EA	80 Gallon, Electric Domestic Water Heater.....	1,587.69	219.25
22 33 30 16-0008	EA	120 Gallon, Electric Domestic Water Heater.....	2,076.28	232.95

**22 33 30 16-0009 Low-Boy, Electric Domestic Water Heaters (A.O. Smith ProMax)** (22 33 30 16)  
Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.

22 33 30 16-0010	EA	30 Gallon, Low-Boy, Electric Domestic Water Heater.....	1,137.32	191.85
22 33 30 16-0011	EA	40 Gallon, Low-Boy, Electric Domestic Water Heater.....	1,092.23	197.33
22 33 30 16-0012	EA	50 Gallon, Low-Boy, Electric Domestic Water Heater.....	1,153.02	202.81

**22 33 30 16-0013 High Efficiency, Electric Domestic Water Heaters (A.O. Smith Conservationist)** (22 33 30 16)  
Note: Includes .95 energy factor glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.

22 33 30 16-0014	EA	40 Gallon, High Efficiency, Electric Domestic Water Heater.....	1,173.91	197.33
22 33 30 16-0015	EA	50 Gallon, High Efficiency, Electric Domestic Water Heater.....	1,274.49	202.81
22 33 30 16-0016	EA	66 Gallon, High Efficiency, Electric Domestic Water Heater.....	1,544.70	211.02
22 33 30 16-0017	EA	80 Gallon, High Efficiency, Electric Domestic Water Heater.....	1,673.26	219.25

**22 33 30 16-0018 Water Heater Accessories** (22 33 30 16)

22 33 30 16-0019	EA	2 Gallon, Expansion Pressure Tank For Water Heaters.....	87.41	10.96
22 33 30 16-0020	EA	4.4 Gallon, Expansion Pressure Tank For Water Heaters.....	102.02	10.96
22 33 30 16-0021	EA	7.6 Gallon, Expansion Pressure Tank For Water Heaters.....	192.28	10.96
22 33 30 16-0022	EA	14 Gallon, Expansion Pressure Tank For Water Heaters.....	255.80	10.96
22 33 30 16-0023	EA	20" Diameter, 3" Deep, Aluminum Water Heater Drain Pan.....	63.12	8.22
22 33 30 16-0024	EA	22" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan.....	68.74	8.22
22 33 30 16-0025	EA	24" Diameter, 3" Deep, Aluminum Water Heater Drain Pan.....	72.49	8.22
22 33 30 16-0026	EA	26" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan.....	85.61	8.22
22 33 30 16-0027	EA	22" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan.....	34.90	8.22
22 33 30 16-0028	EA	24" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan.....	37.90	8.22
22 33 30 16-0029	EA	26" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan.....	42.12	8.22
22 33 30 16-0030	EA	28" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan.....	47.55	8.22

**22 33 33 Light-Commercial Electric Domestic Water Heaters** (22 33)

**22 33 33 00-0001 Heavy Duty Electric Commercial Water Heaters (A.O. Smith DSE)** (22 33 33)  
Note: Includes glass lined tank, ASME tank construction, drain valve, and temperature and pressure relief valve.

22 33 33 00-0002	EA	3 KW, 5 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-5-3).....	4,796.64	191.85
22 33 33 00-0003	EA	3 KW, 10 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-10-3).....	4,982.45	191.85
22 33 33 00-0004	EA	6 KW, 10 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-10-6).....	5,183.75	191.85
22 33 33 00-0005	EA	3 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-3).....	5,238.57	219.25
22 33 33 00-0006	EA	6 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-6).....	5,470.84	219.25
22 33 33 00-0007	EA	9 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-9).....	5,842.46	219.25
22 33 33 00-0008	EA	12 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-12).....	6,090.21	219.25
22 33 33 00-0009	EA	15 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-15).....	6,291.51	219.25
22 33 33 00-0010	EA	18 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-18).....	6,508.29	219.25
22 33 33 00-0011	EA	6 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-6).....	5,703.10	219.25
22 33 33 00-0012	EA	9 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-9).....	5,919.88	219.25
22 33 33 00-0013	EA	12 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-12).....	6,167.63	219.25
22 33 33 00-0014	EA	15 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-15).....	6,368.93	219.25
22 33 33 00-0015	EA	18 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-18).....	6,585.71	219.25
22 33 33 00-0016	EA	24 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-24).....	8,180.60	219.25
22 33 33 00-0017	EA	9 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-9).....	6,230.80	274.06
22 33 33 00-0018	EA	12 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-12).....	6,432.10	274.06
22 33 33 00-0019	EA	15 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-15).....	6,679.85	274.06
22 33 33 00-0020	EA	18 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-18).....	6,896.63	274.06
22 33 33 00-0021	EA	24 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-24).....	8,507.00	274.06
22 33 33 00-0022	EA	30 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-30).....	9,250.25	274.06
22 33 33 00-0023	EA	36 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-36).....	9,978.01	274.06
22 33 33 00-0024	EA	9 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-9).....	7,207.55	328.88
22 33 33 00-0025	EA	12 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-12).....	7,408.85	328.88
22 33 33 00-0026	EA	15 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-15).....	7,610.15	328.88
22 33 33 00-0027	EA	18 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-18).....	7,826.93	328.88
22 33 33 00-0028	EA	24 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-24).....	9,483.75	328.88
22 33 33 00-0029	EA	30 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-30).....	10,227.00	328.88
22 33 33 00-0030	EA	36 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-36).....	10,954.77	328.88
22 33 33 00-0031	EA	45 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-45).....	12,270.94	328.88
22 33 33 00-0032	EA	54 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-54).....	12,859.34	328.88
22 33 33 00-0033	EA	60 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-60).....	14,903.27	328.88
22 33 33 00-0034	EA	75 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-75).....	17,535.61	328.88
22 33 33 00-0035	EA	90 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-90).....	21,964.14	328.88
22 33 33 00-0036	EA	9 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-9).....	8,139.08	438.50
22 33 33 00-0037	EA	12 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-12).....	8,371.35	438.50

**22 Plumbing****22 30 Plumbing Equipment****22 33 Electric Domestic Water Heaters**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

22 33 33 00-0038	EA	15 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-15)	8,588.13	438.50
22 33 33 00-0039	EA	18 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-18)	8,773.94	438.50
22 33 33 00-0040	EA	24 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-24)	10,415.28	438.50
22 33 33 00-0041	EA	30 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-30)	11,158.53	438.50
22 33 33 00-0042	EA	36 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-36)	11,870.81	438.50
22 33 33 00-0043	EA	45 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-45)	13,217.95	438.50
22 33 33 00-0044	EA	54 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-54)	13,790.87	438.50
22 33 33 00-0045	EA	60 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-60)	15,850.29	438.50
22 33 33 00-0046	EA	75 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-75)	18,498.11	438.50
22 33 33 00-0047	EA	90 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-90)	22,911.15	438.50
22 33 33 00-0048	EA	12 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-12)	9,100.34	493.31
22 33 33 00-0049	EA	15 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-15)	9,317.12	493.31
22 33 33 00-0050	EA	18 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-18)	9,502.94	493.31
22 33 33 00-0051	EA	24 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-24)	11,159.76	493.31
22 33 33 00-0052	EA	30 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-30)	11,825.59	493.31
22 33 33 00-0053	EA	36 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-36)	12,599.81	493.31
22 33 33 00-0054	EA	45 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-45)	13,946.94	493.31
22 33 33 00-0055	EA	54 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-54)	14,535.35	493.31
22 33 33 00-0056	EA	60 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-60)	16,470.89	493.31
22 33 33 00-0057	EA	75 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-75)	19,227.11	493.31
22 33 33 00-0058	EA	90 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-90)	23,640.15	493.31
22 33 33 00-0059	EA	15 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-15)	10,231.94	548.12
22 33 33 00-0060	EA	18 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-18)	10,479.69	548.12
22 33 33 00-0061	EA	24 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-24)	12,090.06	548.12
22 33 33 00-0062	EA	30 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-30)	12,833.31	548.12
22 33 33 00-0063	EA	36 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-36)	13,561.07	548.12
22 33 33 00-0064	EA	45 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-45)	14,877.24	548.12
22 33 33 00-0065	EA	54 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-54)	15,481.13	548.12
22 33 33 00-0066	EA	60 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-60)	17,509.58	548.12
22 33 33 00-0067	EA	75 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-75)	20,141.92	548.12
22 33 33 00-0068	EA	90 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-90)	24,585.93	548.12
22 33 33 00-0069	EA	15 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-15)	11,008.63	657.75
22 33 33 00-0070	EA	18 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-18)	11,225.41	657.75
22 33 33 00-0071	EA	24 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-24)	12,835.78	657.75
22 33 33 00-0072	EA	30 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-30)	13,548.06	657.75
22 33 33 00-0073	EA	36 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-36)	14,306.79	657.75
22 33 33 00-0074	EA	45 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-45)	15,622.96	657.75
22 33 33 00-0075	EA	54 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-54)	16,180.40	657.75
22 33 33 00-0076	EA	60 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-60)	18,270.79	657.75
22 33 33 00-0077	EA	75 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-75)	20,918.61	657.75
22 33 33 00-0078	EA	90 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-90)	25,316.17	657.75

**22 33 33 00-0079 Standard Duty Electric Commercial Water Heaters (A.O. Smith DEL And DEN)** (22 33 33)

Note: Includes glass lined tank, drain valve, and temperature and pressure relief valve.

22 33 33 00-0080	EA	Up To 2.5 KW, 6 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-6S)	1,343.63	191.85
22 33 33 00-0081	EA	Up To 6 KW, 10 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-10S)	1,441.18	191.85
22 33 33 00-0082	EA	Up To 6 KW, 20 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-20S)	1,568.78	219.25
22 33 33 00-0083	EA	Up To 12 KW, 30 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-30D)	2,683.65	219.25
22 33 33 00-0084	EA	Up To 12 KW, 40 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-40D)	3,102.96	274.06
22 33 33 00-0085	EA	Up To 12 KW, 50 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-50D)	3,444.86	328.88
22 33 33 00-0086	EA	Up To 12 KW, 80 Gallon, Dual Element Standard Upright Electric Commercial Water Heater (DEN-80D)	4,142.25	493.31

**22 33 33 00-0087 Water Heater Accessories** (22 33 33)

22 33 33 00-0088	EA	Up To 80 Gallon Water Heater Strap	41.54	
Note: Includes (4) Straps (4) J-Clips (4) Lag Bolts (2) 3/8" Carriage Bolts (2) 3/8" Hex Nuts				
22 33 33 00-0089	EA	>80 To 120 Gallon Water Heater Strap	60.39	
Note: Includes (4) Straps (4) J-Clips (4) Lag Bolts (2) 3/8" Carriage Bolts (2) 3/8" Hex Nuts				

**22 33 33 00-0090 Removal And Reinstallation Of Water Heater** (22 33 33)

Note: Includes storage and cleaning.

22 33 33 00-0091	EA	Removal And Reinstallation Of Water Heater Electric, Up To 82 Gallon	365.42	
22 33 33 00-0092	EA	Removal And Reinstallation Of Water Heater Electric, 83 Gallon To 200 Gallon	1,096.25	

**22 34 Fuel-Fired Domestic Water Heaters** (22 30)**22 34 13 Instantaneous, Tankless, Gas Domestic Water Heaters** (22 34)**22 34 13 00-0001 Instantaneous, Tankless, Gas Domestic Water Heaters** (22 34 13)**22 34 13 00-0002 Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters** (22 34 13)00-0001

Note: Includes vent connection. Excludes vent.

22 34 13 00-0003	EA	4.2 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-42PVN)	1,468.63	219.25
22 34 13 00-0004	EA	5.3 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53PVN)	1,582.03	221.99
22 34 13 00-0005	EA	5.3 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53DVN)	1,730.35	227.47
22 34 13 00-0006	EA	6.6 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-66DVN)	2,006.05	232.95
22 34 13 00-0007	EA	7.4 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74PVN)	2,418.19	246.65
22 34 13 00-0008	EA	7.4 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74DVN)	2,467.24	246.65

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>22 34 13 00-009</b>	<b>Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters</b> (22 34)		
13 00-0001			
22 34 13 00-010	EA 5.3 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53XN).....	1,576.55	219.25
22 34 13 00-011	EA 7.4 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74XN).....	2,418.19	246.65

**22 34 30 Residential Gas Domestic Water Heaters** (22 34)

**22 34 30 13 Residential, Atmospheric, Gas Domestic Water Heaters** (22 34 30)

<b>22 34 30 13-0001</b>	<b>Atmospheric, Gas Domestic Water Heaters (A.O. Smith ProMax)</b> (22 34 30 13)		
	Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 30 13-0002	EA 30 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-30) .....	1,122.75	211.02
22 34 30 13-0003	EA 40 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-40) .....	1,107.24	216.50
22 34 30 13-0004	EA 50 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCVX-50) .....	1,440.55	221.99
22 34 30 13-0005	EA 65 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-65) .....	1,552.83	227.47
22 34 30 13-0006	EA 75 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith FCG-75) .....	1,688.29	232.95
22 34 30 13-0007	EA 100 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith FCG-100).....	2,449.24	246.65

**22 34 30 16 Residential, Direct-Vent, Gas Domestic Water Heaters** (22 34 30)

<b>22 34 30 16-0001</b>	<b>Direct-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax)</b> (22 34 30 16)		
	Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 30 16-0002	EA 40 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-40) .....	1,970.98	216.50
22 34 30 16-0003	EA 50 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-50) .....	2,234.76	221.99
22 34 30 16-0004	EA 75 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-75) .....	2,876.82	227.47

**22 34 30 19 Residential, Power-Vent, Gas Domestic Water Heaters** (22 34 30)

<b>22 34 30 19-0001</b>	<b>Power-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax)</b> (22 34 30 19)		
	Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 30 19-0002	EA 40 Gallon, Power-Vent, Gas Domestic Water Heater (A. O. Smith GPVH-40) .....	1,800.23	216.50
22 34 30 19-0003	EA 50 Gallon, Power-Vent, Gas Domestic Water Heater (A. O. Smith GPVH-50) .....	1,873.48	221.99

**22 34 36 Commercial Gas Domestic Water Heaters** (22 34)

**22 34 36 13 Commercial, Atmospheric, Gas Domestic Water Heaters** (22 34 36)

<b>22 34 36 13-0001</b>	<b>Gas Fired Commercial Water Heaters (A.O. Smith BTR)</b> (22 34 36 13)		
	Note: Includes automatic flue damper, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 36 13-0002	EA 120 MBH Input, 71 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-120) .....	6,518.68	328.88
22 34 36 13-0003	EA 154 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-154) .....	6,953.12	383.68
22 34 36 13-0004	EA 180 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-180) .....	8,609.12	438.50
22 34 36 13-0005	EA 199 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-199) .....	7,436.98	438.50
22 34 36 13-0006	EA 199 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200) .....	8,561.24	438.50
22 34 36 13-0007	EA 199 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200A).....	11,434.02	482.35
22 34 36 13-0008	EA 250 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250) .....	8,279.55	493.31
22 34 36 13-0009	EA 250 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250A).....	12,312.36	542.64
22 34 36 13-0010	EA 251 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251) .....	8,409.45	493.31
22 34 36 13-0011	EA 251 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251A).....	11,740.17	542.64
22 34 36 13-0012	EA 275 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275) .....	9,309.14	602.94
22 34 36 13-0013	EA 275 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275A).....	12,831.91	663.23
22 34 36 13-0014	EA 305 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305) .....	10,484.43	602.94
22 34 36 13-0015	EA 305 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305A).....	12,909.23	663.23
22 34 36 13-0016	EA 365 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365) .....	10,130.19	657.75
22 34 36 13-0017	EA 365 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365A).....	14,251.50	723.53
22 34 36 13-0018	EA 390 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400) .....	12,898.26	657.75
22 34 36 13-0019	EA 390 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400A).....	16,911.37	723.53
22 34 36 13-0020	EA 500 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-500) .....	16,843.06	712.56
22 34 36 13-0021	EA 150 MBH Input, 32 Gallon, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-151) .....	8,406.72	383.68
22 34 36 13-0022	EA 150 MBH Input, 32 Gallon, ASME Rated Tank, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-151A) .....	10,091.74	422.06
22 34 36 13-0023	EA 199 MBH Input, 32 Gallon, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-201) .....	8,732.84	438.50
22 34 36 13-0024	EA 199 MBH Input, 32 Gallon, ASME Rated Tank, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-201A) .....	10,475.23	482.35
22 34 36 13-0025	EA Sidewall Power Vent System For BTR-120 through BTR-200.....	2,094.48	274.06
22 34 36 13-0026	EA Sidewall Power Vent System For BTR-250 through BTR-500.....	2,295.52	274.06

**22 34 36 13-0027 Removal And Reinstallation Of Water Heater** (22 34 36 13)

Note: Includes storage and cleaning.

**22 Plumbing****22 30 Plumbing Equipment****22 34 Fuel-Fired Domestic Water Heaters**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

22 34 36 13-0028	EA	Removal And Reinstallation Of Water Heater Gas Fired, Up To 86 Gallon .....	498.29	
22 34 36 13-0029	EA	Removal And Reinstallation Of Water Heater Gas Fired, 87 Gallon To 200 Gallon.....	1,317.61	

**22 34 36 19 Commercial, Power-Vent, Gas Domestic Water Heaters (22 34 36)****22 34 36 19-0001 Induced Draft Blower Gas Fired Commercial Water Heaters (A.O. Smith BTN) (22 34 36 19)**

Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 36 19-0002	EA	90 MBH Input, 98 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-100) .....	5,296.99	328.88
22 34 36 19-0003	EA	120 MBH Input, 71 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-120) .....	7,601.19	328.88
22 34 36 19-0004	EA	154 MBH Input, 81 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-154) .....	9,272.72	383.68
22 34 36 19-0005	EA	180 MBH Input, 99 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-180) .....	9,645.24	438.50
22 34 36 19-0006	EA	199 MBH Input, 99 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-199) .....	9,691.63	438.50
22 34 36 19-0007	EA	199 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-200) .....	9,908.13	438.50
22 34 36 19-0008	EA	199 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-200A) .....	11,635.06	482.35
22 34 36 19-0009	EA	250 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-250) .....	10,930.15	493.31
22 34 36 19-0010	EA	250 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-250A) .....	13,456.72	542.64
22 34 36 19-0011	EA	275 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-275) .....	11,443.23	602.94
22 34 36 19-0012	EA	275 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-275A) .....	14,038.13	663.23
22 34 36 19-0013	EA	310 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-310) .....	11,690.66	602.94
22 34 36 19-0014	EA	310 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-310A) .....	14,192.77	663.23
22 34 36 19-0015	EA	366 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-366) .....	13,114.76	657.75
22 34 36 19-0016	EA	366 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-366A) .....	15,426.79	723.53
22 34 36 19-0017	EA	390 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-400) .....	15,913.82	657.75
22 34 36 19-0018	EA	390 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-400A) .....	18,365.03	723.53

**22 34 36 19-0019 Condensing Gas Fired Commercial Water Heaters (A.O. Smith BTX And BTH) (22 34 36 19)**

Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 36 19-0020	EA	76 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX-80) .....	4,090.77	328.88
22 34 36 19-0021	EA	100 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX-100) .....	5,513.49	328.88
22 34 36 19-0022	EA	120 MBH Input, 60 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120) .....	6,688.79	328.88
22 34 36 19-0023	EA	120 MBH Input, 60 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120A) .....	9,661.88	361.76
22 34 36 19-0024	EA	150 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150) .....	9,891.30	383.68
22 34 36 19-0025	EA	150 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150A) .....	12,488.73	422.06
22 34 36 19-0026	EA	199 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199) .....	10,031.85	438.50
22 34 36 19-0027	EA	199 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199A) .....	12,856.75	482.35
22 34 36 19-0028	EA	250 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250) .....	11,595.12	493.31
22 34 36 19-0029	EA	250 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250A) .....	14,121.69	542.64
22 34 36 19-0030	EA	300 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-300A) .....	18,491.88	663.23
22 34 36 19-0031	EA	399.9 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-400A) .....	19,432.07	723.53
22 34 36 19-0032	EA	499.9 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-500A) .....	22,367.18	783.81

**22 34 36 23 Commercial, High-Efficiency, Gas Domestic Water Heaters (22 34 36)****22 34 36 23-0001 Gas Fired Domestic Hot Water Skid Package (Laars Mighty Therm) (22 34 36 23)**

Note: Includes (2) Laars Mighty Therm boilers, (2) B&amp;G boiler primary pumps (one per boiler), T&amp;P valve, circuit setter, storage tank (sized for 10 minutes buffer based on 50 degree city water supply, and operating set point for the tank at 130 degrees storage), and all necessary accessories for system monitoring such as gauges and thermometers. UL listed and labeled. Excludes piping insulation or seismic calculations.

22 34 36 23-0002	EA	400 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-400) .....	77,215.60	1,455.06
22 34 36 23-0003	EA	1,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-1000) .....	93,377.98	1,546.01
22 34 36 23-0004	EA	2,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-2000) .....	113,478.55	1,636.95
22 34 36 23-0005	EA	3,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-3000) .....	135,676.87	1,727.89
22 34 36 23-0006	EA	4,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-4000) .....	142,211.09	1,818.83

**22 34 36 23-0007 Gas Fired Volume Water Heater (Laars Mighty Therm) (22 34 36 23)**

22 34 36 23-0008	EA	200 MBH Gas Fired Volume Water Heater (Laars MT2V0200) .....	9,659.56	808.10
22 34 36 23-0009	EA	300 MBH Gas Fired Volume Water Heater (Laars MT2V0300) .....	10,481.87	909.12

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 34 36 23-0010	EA			400 MBH Gas Fired Volume Water Heater (Laars MT2V0400).....	12,140.14	1,111.15
22 34 36 23-0011	EA			500 MBH Gas Fired Volume Water Heater (Laars MT2V0500).....	17,669.19	1,212.16
22 34 36 23-0012	EA			750 MBH Gas Fired Volume Water Heater (Laars MT2V0750).....	19,438.23	1,414.18
22 34 36 23-0013	EA			1,000 MBH Gas Fired Volume Water Heater (Laars MT2V1000).....	22,234.83	1,616.21
22 34 36 23-0014	EA			1,250 MBH Gas Fired Volume Water Heater (Laars MT2V1250).....	24,564.52	1,818.23
22 34 36 23-0015	EA			1,500 MBH Gas Fired Volume Water Heater (Laars MT2V1500).....	29,360.03	2,020.26
22 34 36 23-0016	EA			1,750 MBH Gas Fired Volume Water Heater (Laars MT2V1750).....	30,466.93	2,121.27
22 34 36 23-0017	EA			2,000 MBH Gas Fired Volume Water Heater (Laars MT2V2000).....	32,681.51	2,222.28

**22 34 36 26 Commercial, Coil-Type, Finned-Tube, Gas Domestic Water Heaters (22 34 36)**

**22 34 36 26-0001 Laars Rheos+ 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heaters (22 34 36 26)**

22 34 36 26-0002	EA			1,200 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+) .....	40,314.91	1,535.40
22 34 36 26-0003	EA			1,600 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+) .....	57,258.33	1,697.02
22 34 36 26-0004	EA			2,000 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+) .....	62,173.11	1,777.82
22 34 36 26-0005	EA			2,400 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+) .....	67,331.06	1,939.44

**22 34 36 26-0006 Laars Rheos 86% Efficient Gas Fired, Copper Fin Tube LoNox Water Heaters (22 34 36 26)**

22 34 36 26-0007	EA			1,200 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos) .....	35,636.15	1,535.40
22 34 36 26-0008	EA			1,600 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos) .....	39,368.11	1,697.02
22 34 36 26-0009	EA			2,000 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos) .....	43,089.50	1,777.82
22 34 36 26-0010	EA			2,400 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos) .....	46,810.73	1,939.44

**22 34 36 26-0011 Laars Pennant 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heaters (22 34 36 26)**

22 34 36 26-0012	EA			200 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant) .....	8,930.30	727.29
22 34 36 26-0013	EA			300 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant) .....	9,819.38	808.10
22 34 36 26-0014	EA			400 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant) .....	11,518.81	969.72
22 34 36 26-0015	EA			500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant) .....	16,481.08	1,010.13
22 34 36 26-0016	EA			750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant) .....	18,091.87	1,212.16
22 34 36 26-0017	EA			1,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant) .....	22,338.98	1,454.59
22 34 36 26-0018	EA			1,250 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant) .....	25,471.71	1,535.40
22 34 36 26-0019	EA			1,500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant) .....	28,263.52	1,656.62
22 34 36 26-0020	EA			1,750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant) .....	30,898.87	1,737.42
22 34 36 26-0021	EA			2,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant) .....	33,220.27	1,777.82

**22 34 36 26-0022 Patterson Kelley Thermific Sealed Combustion, Gas Fired, Copper Fin Tube Water Heaters (22 34 36 26)**

22 34 36 26-0023	EA			700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific).....	29,982.89	1,212.16
22 34 36 26-0024	EA			1,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific).....	32,929.25	1,454.59
22 34 36 26-0025	EA			1,500 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific).....	44,232.13	1,656.62
22 34 36 26-0026	EA			1,700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific).....	45,547.05	1,737.42
22 34 36 26-0027	EA			2,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific).....	47,707.43	1,777.82

**22 34 36 26-0028 Patterson Kelley Modufire Forced Draft, Water, Gas Fired, Copper Fin Tube Water Heaters (22 34 36 26)**

22 34 36 26-0029	EA			1,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire) .....	38,091.09	1,454.59
22 34 36 26-0030	EA			1,500 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire) .....	46,146.58	1,656.62
22 34 36 26-0031	EA			2,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire) .....	48,958.08	1,777.82

**22 34 46 Oil-Fired Domestic Water Heaters (22 34)**

**22 34 46 11 Standard-capacity, Oil-Fired Domestic Water Heaters (22 34 46)**

**22 34 46 11-0001 Oil-Fired Domestic Water Heaters (Bock) (22 34 46 11)**

Note: Includes burner, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 46 11-0002	EA			60 MBH, 20 Gallon, Oil-Fired Domestic Water Heater (Bock 20E) .....	2,143.31	168.82
22 34 46 11-0003	EA			104 MBH, 32 Gallon, Oil-Fired Domestic Water Heater (Bock 32E).....	2,113.08	168.82
22 34 46 11-0004	EA			104 MBH, 33 Gallon, Oil-Fired Domestic Water Heater (Bock 33ES).....	2,210.21	168.82
22 34 46 11-0005	EA			125 MBH, 40 Gallon, Oil-Fired Domestic Water Heater (Bock 40E).....	2,336.92	173.21
22 34 46 11-0006	EA			140 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 50ES).....	2,998.48	177.59
22 34 46 11-0007	EA			152 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 51E).....	2,518.17	177.59

**22 34 46 11-0008 Oil Fired Commercial Water Heaters (22 34 46 11)**

Note: Includes burner, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 46 11-0009	EA			173 MBH, 68 Gallon, Oil-Fired Commercial Water Heater (Bock 71E).....	3,480.05	263.10
22 34 46 11-0010	EA			199 MBH, 67 Gallon, Oil-Fired Commercial Water Heater (Bock 72E).....	4,112.40	263.10
22 34 46 11-0011	EA			242 MBH, 67 Gallon, Oil-Fired Commercial Water Heater (Bock 73E).....	4,136.73	263.10
22 34 46 11-0012	EA			190 MBH, 113 Gallon, Oil-Fired Commercial Water Heater (Bock 120E).....	5,973.83	350.79

**22 Plumbing**

**22 30 Plumbing Equipment**

**22 34 Fuel-Fired Domestic Water Heaters**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 46 11-0013	EA		415 MBH, 91 Gallon, Oil-Fired Commercial Water Heater (Bock 361E)	8,218.44	438.50
22 34 46 11-0014	EA		623 MBH, 83 Gallon, Oil-Fired Commercial Water Heater (Bock 541E)	10,383.82	482.35

**22 35 Domestic Water Heat Exchangers (22.30)**

**22 35 23 Circulating, Domestic Water Heat Exchangers (22.35)**

**22 35 23 13 Circulating, Compact Domestic Water Heat Exchangers (22.35.23)**

**22 35 23 13-0001 Steam Driven Water Heaters (22.35.23.13)**

**22 35 23 13-0002 Constant Flow (22.35.23.13-0001)**

22 35 23 13-0003	EA		30 GPM, 700 LB/Hour Steam Water Heater, Constant Flow	6,776.58	548.12
22 35 23 13-0004	EA		90 GPM, 1,250 LB/Hour Steam Water Heater, Constant Flow	8,466.88	671.67
22 35 23 13-0005	EA		140 GPM, 2,500 LB/Hour Steam Water Heater, Constant Flow	10,845.32	878.43
22 35 23 13-0006	EA		230 GPM, 5,000 LB/Hour Steam Water Heater, Constant Flow	14,667.36	1,223.52
22 35 23 13-0007	EA		500 GPM, 7,500 LB/Hour Steam Water Heater, Constant Flow	21,593.27	2,015.12
22 35 23 13-0008	EA		900 GPM, 10,000 LB/Hour Steam Water Heater, Constant Flow	23,512.36	2,283.81
22 35 23 13-0009	EA		1,400 GPM, 15,000 LB/Hour Steam Water Heater, Constant Flow	30,939.35	2,635.16
22 35 23 13-0010	EA		2,400 GPM, 20,000 LB/Hour Steam Water Heater, Constant Flow	37,240.20	3,114.33

**22 35 23 13-0011 Variable Flow (22.35.23.13-0001)**

22 35 23 13-0012	EA		30 GPM, 700 LB/Hour Steam Water Heater, Variable Flow	10,151.63	1,068.84
22 35 23 13-0013	EA		90 GPM, 1,250 LB/Hour Steam Water Heater, Variable Flow	11,483.71	1,305.08
22 35 23 13-0014	EA		140 GPM, 2,500 LB/Hour Steam Water Heater, Variable Flow	14,643.69	1,687.56
22 35 23 13-0015	EA		230 GPM, 5,000 LB/Hour Steam Water Heater, Variable Flow	19,170.77	2,354.52
22 35 23 13-0016	EA		500 GPM, 7,500 LB/Hour Steam Water Heater, Variable Flow	28,508.75	3,937.72
22 35 23 13-0017	EA		900 GPM, 10,000 LB/Hour Steam Water Heater, Variable Flow	34,802.35	4,336.44
22 35 23 13-0018	EA		1,400 GPM, 15,000 LB/Hour Steam Water Heater, Variable Flow	40,302.23	5,075.19
22 35 23 13-0019	EA		2,400 GPM, 20,000 LB/Hour Steam Water Heater, Variable Flow	51,121.32	6,063.35

**22 40 Plumbing Fixtures (22)**

Note: The following Energy Policy Act Flow Rates Requirements superseded flow rates standards listed in section. Plumbing fixtures and trim should not exceed the maximum flow rates set forth in The Energy Policy Act 92. lavatory faucets - 2.5 gal/min, lavatory replacement aerators - 2.5 gal/min, kitchen faucets - 2.5 gal/min, kitchen replacement aerators - 2.5 gal/min, metering faucets - 0.25 gal/cycle, gravity tank-type toilets - 1.6 gal/flush, flushometer tank toilets - 1.6 gal/flush, electromechanical hydraulic toilets - 1.6 gal/flush, blowdown toilets - 3.5 gal/flush, urinals - 1.0 gal/flush.

**22 41 Residential Plumbing Fixtures (22.40)**

**22 41 39 Residential Faucets, Supplies, and Trim (22.41)**

**22 41 39 00-0001 Residential Kitchen Faucets (22.41.39)**

22 41 39 00-0002	EA		Chrome Single Handle Kitchen Faucet (Delta 100LF-WF)	178.18	50.48
22 41 39 00-0003	EA		Chrome Single Handle Kitchen Faucet With Spray (Delta 400LF-WF)	204.63	50.48
22 41 39 00-0004	EA		Chrome Single Handle Kitchen Faucet With Integrated Spray (Delta 300LF-WF)	204.63	50.48
22 41 39 00-0005	EA		Chrome Two Handle Kitchen Faucet, Three Hole Installation 8" Center (Delta 2102LF-LHP+H215)	197.33	50.48
22 41 39 00-0006	EA		Chrome Two Handle Kitchen Faucet With Spray, Three Hole Installation, 8" Center (Delta 2402LF-LHP+H215)	211.53	50.48

**22 41 39 00-0007 Residential Lavatory Faucets (22.41.39)**

22 41 39 00-0008	EA		Chrome, Single Acrylic Handle, Bath Faucet (Delta 502-DST)	161.26	36.34
			<i>For Faucet With Brass Pop-Up, Add</i>	11.00	
22 41 39 00-0009	EA		Chrome, Single Lever Handle, Lavatory Faucet (Delta 500-WF)	161.26	36.34
			<i>For Faucet With Brass Pop-Up, Add</i>	11.00	
22 41 39 00-0010	EA		Chrome, Two Handle, Bath Faucet With Acrylic Handles (Delta 2502LF)	117.76	36.34
			<i>For Faucet With Brass Pop-Up, Add</i>	16.50	
			<i>For Faucet With Plastic Pop-Up, Add</i>	14.00	

**22 41 39 00-0011 Residential Bath And Shower Faucets (22.41.39)**

22 41 39 00-0012	EA		Single Lever Handle, Chrome Shower Only, Pressure Balanced/Anti-Scald Valve (American Standard T675.501)	209.40	43.82
			<i>For Faucet With Polished Nickel Or Brass Finish, Add</i>	25.00	
22 41 39 00-0013	EA		Single Lever Handle, Chrome Bath And Shower, Pressure Balanced/Anti-Scald Valve (American Standard T675.502)	245.58	43.82
			<i>For Faucet With Polished Nickel Or Brass Finish, Add</i>	25.00	
22 41 39 00-0014	EA		Two-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard Cadet 3275)	193.63	43.82
			<i>For Faucet With Polished Nickel Or Brass Finish, Add</i>	75.00	
			<i>For Faucet With Lever Handles, Add</i>	8.10	
22 41 39 00-0015	EA		Three-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard Cadet 3375)	213.11	43.82
			<i>For Faucet With Polished Nickel Or Brass Finish, Add</i>	75.00	
			<i>For Faucet With Lever Handles, Add</i>	8.10	
22 41 39 00-0016	EA		Hand Shower With Hose And 25" Slide Bar (American Standard 1662.602)	235.70	27.41
22 41 39 00-0017	EA		Wall Mount, Hand Shower With Hose (Delta 55011)	196.96	27.41
22 41 39 00-0018	EA		Wall Mount, Hand Shower Unit With Hose (Delta Faucet 62001 DS)	261.71	27.41

**22 41 39 00-0019 Residential Laundry Faucets (22.41.39)**

22 41 39 00-0020	EA		Stream Straightener Nozzle Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2123LF)	139.49	32.23
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**22 41 39 00-0021 Residential Laundry/Wash Basin Faucets (22.41.39)**

22 41 39 00-0022	EA		Hose Thread Spout Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121LF)	140.58	32.23
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 41 39 00-0023	EA		Hose Thread Spout With Vacuum Breaker Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121LF+RP12503).....	199.19	35.52
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**22 41 39 00-0024 Other Residential Faucets (22 41 39)**

22 41 39 00-0025	EA		Sillcock, Compact, Brass, IPS Or Copper To Hose.....	38.85	8.22
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**22 42 Commercial Plumbing Fixtures (22 40)**

Note: Prices are for commercial grade unless otherwise indicated. Includes final connection and all associated trim (seat, supply stop and line, wax seal, valve). Excludes rough-in within the wall and carrier.

**22 42 13 Commercial Water Closets, Urinals, and Bidets (22 42)**

**22 42 13 13 Commercial Water Closets (22 42 13)**

**22 42 13 13-0001 Vitreous China Water Closets (22 42 13 13)**

Note: With a 2" ball pass.

**22 42 13 13-0002 Floor Mounted Elongated Vitreous China Water Closets (22 42 13 13-0001)**

Note: Includes wax seal and toilet seat. Excludes flush valve.

22 42 13 13-0003	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Madera™).....		601.26	104.99
22 42 13 13-0004	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Colorado).....		596.17	104.99
22 42 13 13-0005	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Priolo®).....		699.69	104.99
22 42 13 13-0006	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Yorkville™).....		879.02	104.99
22 42 13 13-0007	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Cadet™).....		795.86	104.99
22 42 13 13-0008	EA	1 Piece Tank Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Compact Cadet™).....		748.91	104.99
22 42 13 13-0009	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet With Concealed Trapway (American Standard Cadet® 3 FloWise® RIGHT HEIGHT®).....		752.14	104.99
22 42 13 13-0010	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (Kohler® Wellcomme™).....		594.05	104.99
22 42 13 13-0011	EA	1.28 GPF Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (Toto® CT705E).....		630.30	104.99

**22 42 13 13-0012 Wall Hung Elongated Vitreous China Water Closets (22 42 13 13-0001)**

Note: Includes wax seal and toilet seat. Excludes flush valve.

22 42 13 13-0013	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Aftwall®).....		697.39	129.22
22 42 13 13-0014	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Aftwall® ADA Retrofit).....		840.89	129.22
22 42 13 13-0015	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Glenwall™).....		1,035.49	129.22
22 42 13 13-0016	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler® Kingston™).....		700.07	129.22
22 42 13 13-0017	EA	Flush Valve Type, Blow Out, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler® Stratton™).....		1,009.02	129.22
22 42 13 13-0018	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Toto® CT708E Or CT708EV).....		763.21	129.22
22 42 13 13-0019	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Zurn Z5615-BWL).....		664.93	129.22
22 42 13 13-0020	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Sloan ST-2459).....		693.41	129.22

**22 42 13 13-0021 Floor Mounted Elongated Handicapped Water Closets (22 42 13 13-0001)**

Note: Includes wax seal and toilet seat. Excludes flush valve.

22 42 13 13-0022	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Madera™ ADA).....		608.40	104.99
22 42 13 13-0023	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Colorado Right Height®).....		620.85	104.99
22 42 13 13-0024	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Right Width™ Right Height®).....		675.72	104.99
22 42 13 13-0025	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Huron).....		743.60	104.99
22 42 13 13-0026	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Priolo® ADA).....		740.77	104.99
22 42 13 13-0027	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Back Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Yorkville™ ADA).....		957.44	104.99
22 42 13 13-0028	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Cadet Right Height™ ADA).....		821.67	104.99
22 42 13 13-0029	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Toto® CT705ELN).....		664.30	104.99
22 42 13 13-0030	EA	2 Piece Tank Type, High Efficiency Water Closet Floor Mounted, Elongated, (Sterling 402077) With Open-Front Seat (Kohler K-4650).....		744.94	104.99
22 42 13 13-0031	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler Highline™ ADA K-3519).....		838.72	104.99
22 42 13 13-0032	EA	2 Piece Tank Type, Dual-Flush 1.1 And 1.6 GPF, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Vortens Vienna ELX-DF 3113-3436).....		673.95	104.99
22 42 13 13-0033	EA	2 Piece Tank Type, High Efficiency Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Niagara Stealth™).....		658.69	104.99
22 42 13 13-0034	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Zurn HET Z5667-BWL).....		635.74	104.99

**22 Plumbing****22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
22 42 13 13-0035		<b>Floor Mounted, 10" High Bowl, Children's Height Vitreous China Water Closets</b> <small>(22 42 13 13-0001)</small>			
		Note: Includes wax seal and toilet seat. Excludes flush valve.			
22 42 13 13-0036	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Elongated Vitreous China Water Closet (Kohler® Primary™) .....	671.31		104.99
22 42 13 13-0037	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Round Front Vitreous China Water Closet (American Standard Baby Devoro™) .....	614.61		104.99
22 42 13 13-0038	EA	2 Piece Tank Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Round Front Vitreous China Water Closet (American Standard Baby Devoro™) .....	702.87		104.99
22 42 13 13-0039		<b>Floor Mounted Round Bowl Vitreous China Water Closets</b> <small>(22 42 13 13-0001)</small>			
22 42 13 13-0040	EA	2 Piece Tank Type, Floor Mounted, Floor Outlet, Round Vitreous China Water Closet (Toto® CST715) With SoftClose® Seat (Toto® SS113) .....	648.26		104.99
22 42 13 13-0041	EA	2 Piece Tank Type, Dual Flush, Floor Mounted, Floor Outlet, Round Vitreous China Water Closet (Vortens 3208-3412) .....	663.89		104.99
22 42 13 13-0042		<b>Stainless Steel Water Closets</b> <small>(22 42 13 13)</small>			
22 42 13 13-0043	EA	Wall Hung Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2105-T-1-HS) .....	3,750.55		227.15
22 42 13 13-0044	EA	Floor Mounted Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2120-T-3-HS) .....	3,954.84		227.15
22 42 13 13-0045		<b>Water Closet Carriers</b> <small>(22 42 13 13)</small>			
22 42 13 13-0046		<b>Pipe Grip Adaptor Type, Water Closet Carriers</b> <small>(22 42 13 13-0045)</small>			
		Note: Includes coated cast iron construction, plated hardware and adjustable feet. Excludes waste piping and fittings.			
22 42 13 13-0047	EA	Pipe Grip Adaptor Type, Water Closet Carrier .....	558.02		53.30
22 42 13 13-0048		<b>No-Hub, Water Closet Carriers</b> <small>(22 42 13 13-0045)</small>			
		Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot.			
22 42 13 13-0049	EA	Vertical Close With Offset, No-Hub, Single Water Closet Carrier .....	867.28		53.30
		<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-75.89		
		<i>For Positioning Frame, Add</i>	48.86		
		<i>For Supply Pipe Support, Add</i>	50.00		
		<i>For Vandal Proof Trim, Add</i>	64.58		
		<i>For Auxiliary Inlet, Add</i>	212.43		
		<i>For Special Duty 500 LB Carrier, Add</i>	360.23		
22 42 13 13-0050	EA	Vertical Close On Stack, No-Hub, Single Water Closet Carrier .....	867.28		53.30
		<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-75.89		
		<i>For Positioning Frame, Add</i>	48.86		
		<i>For Supply Pipe Support, Add</i>	50.00		
		<i>For Vandal Proof Trim, Add</i>	64.58		
		<i>For Auxiliary Inlet, Add</i>	212.43		
		<i>For Special Duty 500 LB Carrier, Add</i>	360.23		
22 42 13 13-0051	EA	Horizontal Adjustable, No-Hub, Single Water Closet Carrier .....	947.71		53.30
		<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-75.89		
		<i>For Positioning Frame, Add</i>	48.86		
		<i>For Supply Pipe Support, Add</i>	50.00		
		<i>For Vandal Proof Trim, Add</i>	64.58		
		<i>For Auxiliary Inlet, Add</i>	212.43		
		<i>For Horizontal No Hub Cast Long Barrel, Add</i>	218.92		
		<i>For Carrier For Wide Chase Installations, Add</i>	287.49		
		<i>For Special Duty 1,000 LB Carrier, Add</i>	360.24		
22 42 13 13-0052	EA	Vertical Adjustable On Stack, No-Hub, Single Water Closet Carrier .....	1,050.79		53.30
		<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-75.89		
		<i>For Positioning Frame, Add</i>	48.86		
		<i>For Supply Pipe Support, Add</i>	50.00		
		<i>For Vandal Proof Trim, Add</i>	64.58		
		<i>For 4" Branch, Add</i>	167.95		
		<i>For Auxiliary Inlet, Add</i>	212.43		
		<i>For Carrier For Wide Chase Installations, Add</i>	287.49		
		<i>For Double 4" Branches, Add</i>	337.04		
		<i>For Special Duty 1,000 LB Carrier, Add</i>	360.24		
22 42 13 13-0053	EA	Vertical Close With Offset, No-Hub, Double Water Closet (Back To Back) Carrier .....	1,444.82		78.23
		<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-151.77		
		<i>For Positioning Frame, Add</i>	105.28		
		<i>For Supply Pipe Support, Add</i>	107.56		
		<i>For Vandal Proof Trim, Add</i>	129.15		
		<i>For Auxiliary Inlet, Add</i>	227.57		
		<i>For Special Duty 500 LB Carrier, Add</i>	720.46		
22 42 13 13-0054	EA	Vertical Close On Stack, No-Hub, Double Water Closet (Back To Back) Carrier .....	1,485.61		78.23
		<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-151.77		
		<i>For Positioning Frame, Add</i>	105.28		
		<i>For Supply Pipe Support, Add</i>	107.56		
		<i>For Vandal Proof Trim, Add</i>	129.15		
		<i>For Auxiliary Inlet, Add</i>	227.57		
		<i>For Special Duty 500 LB Carrier, Add</i>	720.46		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0055	EA		Vertical Adjustable On Stack, No-Hub, Double Water Closet (Back To Back) Carrier..... <i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i> <i>For Positioning Frame, Add</i> <i>For Supply Pipe Support, Add</i> <i>For Vandal Proof Trim, Add</i> <i>For 4" Branch, Add</i> <i>For Auxiliary Inlet, Add</i> <i>For Double 4" Branches, Add</i> <i>For Carrier For Wide Chase Installations, Add</i> <i>For Special Duty 1,000 LB Carrier, Add</i>	1,810.72 -151.77 105.28 107.56 129.15 175.52 227.57 352.18 620.40 720.48	78.23
22 42 13 13-0056	EA		Horizontal Adjustable, No-Hub, Double Water Closet (Back To Back) Carrier ..... <i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i> <i>For Positioning Frame, Add</i> <i>For Supply Pipe Support, Add</i> <i>For Vandal Proof Trim, Add</i> <i>For Horizontal No Hub Cast Long Barrel, Add</i> <i>For Carrier For Wide Chase Installations, Add</i> <i>For Special Duty 1,000 LB Carrier, Add</i>	1,704.23 -151.77 105.28 107.56 129.15 226.49 620.40 720.48	78.23
<b>22 42 13 13-0057</b>			<b>Hub And Spigot, Water Closet Carriers</b> (22-42 13 13-0045) Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot.		
22 42 13 13-0058	EA		Vertical Close With Offset, Hub And Spigot, Single Water Closet Carrier ..... <i>For Positioning Frame, Add</i> <i>For Supply Pipe Support, Add</i> <i>For Vandal Proof Trim, Add</i> <i>For Hanger Type Closet Adapter, Add</i> <i>For Auxiliary Inlet, Add</i>	867.28 48.86 50.00 64.58 161.99 212.43	53.30
22 42 13 13-0059	EA		Vertical Close On Stack, Hub And Spigot, Single Water Closet Carrier ..... <i>For Positioning Frame, Add</i> <i>For Supply Pipe Support, Add</i> <i>For Vandal Proof Trim, Add</i> <i>For Auxiliary Inlet, Add</i> <i>For Special Duty 500 LB Carrier, Add</i>	867.28 48.86 50.00 64.58 212.43 360.23	53.30
22 42 13 13-0060	EA		Vertical Adjustable On Stack, Hub And Spigot, Single Water Closet Carrier..... <i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i> <i>For Positioning Frame, Add</i> <i>For Supply Pipe Support, Add</i> <i>For Vandal Proof Trim, Add</i> <i>For 4" Branch, Add</i> <i>For Auxiliary Inlet, Add</i> <i>For Carrier For Wide Chase Installations, Add</i> <i>For Double 4" Branches, Add</i> <i>For Special Duty 1,000 LB Carrier, Add</i>	1,089.30 -75.89 48.86 50.00 64.58 167.95 212.43 287.49 337.04 360.24	53.30
22 42 13 13-0061	EA		Vertical Close With Offset, Hub And Spigot, Double Water Closet (Back To Back) Carrier..... <i>For Positioning Frame, Add</i> <i>For Supply Pipe Support, Add</i> <i>For Vandal Proof Trim, Add</i> <i>For Auxiliary Inlet, Add</i> <i>For Hanger Type Closet Adapter, Add</i>	1,444.82 105.28 107.56 129.15 227.57 323.98	78.23
22 42 13 13-0062	EA		Vertical Adjustable On Stack, Hub And Spigot, Double Water Closet (Back To Back) Carrier ..... <i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i> <i>For Positioning Frame, Add</i> <i>For Supply Pipe Support, Add</i> <i>For Vandal Proof Trim, Add</i> <i>For 4" Branch, Add</i> <i>For Auxiliary Inlet, Add</i> <i>For Double 4" Branches, Add</i> <i>For Carrier For Wide Chase Installations, Add</i> <i>For Special Duty 1,000 LB Carrier, Add</i>	1,849.24 -151.77 105.28 107.56 129.15 175.52 227.57 352.18 620.40 720.48	78.23
<b>22 42 13 13-0063</b>			<b>Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Water Closet Carriers</b> (22-42 13 13-0045) Note: Includes coated cast iron construction, plastic fitting adaptor with extension and plated hardware.		
22 42 13 13-0064	EA		Vertical On Stack, Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Single Water Closet Carrier..... <i>For Positioning Frame, Add</i> <i>For Supply Pipe Support, Add</i> <i>For Vandal Proof Trim, Add</i> <i>For Hanger Type Closet Adapter, Add</i>	669.03 48.86 50.00 64.58 161.99	53.30
<b>22 42 13 13-0065</b>			<b>Institutional Water Closet Carriers</b> (22-42 13 13-0045) Note: Includes coated cast iron construction, ABS extension with integral test cap, buttress feet, plated hardware and neoprene fixture gasket.		
22 42 13 13-0066	EA		Vertical On Stack, No-Hub, 90 Degree Institutional, Double Waste Fitting With Vent And Carrier, Water Closet Carrier ..... <i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i> <i>For Positioning Frame, Add</i> <i>For Supply Pipe Support, Add</i> <i>For Vandal Proof Trim, Add</i> <i>For Auxiliary Inlet, Add</i>	2,374.87 -151.77 105.28 107.56 129.15 227.57	78.23
<b>22 42 13 13-0067</b>			<b>Removal And Reinstallation Of Fixtures And Trim</b> (22-42 13 13) Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 13 13-0068	EA		Removal And Reinstallation Of Wall Hung Water Closet With Tank.....	461.41	
22 42 13 13-0069	EA		Removal And Reinstallation Of Wall Hung Water Closet With Flush Valve.....	461.41	
22 42 13 13-0070	EA		Removal And Reinstallation Of Floor Mount Water Closet With Tank.....	354.84	
22 42 13 13-0071	EA		Removal And Reinstallation Of Floor Mount Water Closet With Flush Valve.....	354.84	

**22 Plumbing****22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST
**22 42 13 16 Commercial Urinals (22 42 13)**

22 42 13 16-0001	Vitreous China Urinals (22 42 13 16) Note: Excludes flush valve unless indicated otherwise.		
22 42 13 16-0002	Wall Hung Urinals (22 42 13 16-0001)		
22 42 13 16-0003	EA Wall Hung Washout, Vitreous China Urinal (American Standard Maybrook™) .....	564.83	108.03
22 42 13 16-0004	EA Wall Hung, Washout, Vitreous China Urinal With Top Spud (American Standard Washbrook®) .....	690.52	108.03
22 42 13 16-0005	EA Wall Hung, Washout, Vitreous China Urinal With Back Spud (American Standard Washbrook®) .....	716.80	108.03
22 42 13 16-0006	EA Wall Hung, Blowout, Vitreous China Urinal (American Standard Lynbrook™) .....	755.41	108.03
22 42 13 16-0007	EA Wall Hung Siphon Jet, Vitreous China Urinal (American Standard Trimbrook™) .....	688.47	108.03
22 42 13 16-0008	EA Wall Hung, Siphon Jet, Vitreous China Urinal (American Standard Allbrook™) .....	582.35	108.03
22 42 13 16-0009	EA Wall Hung, Washout, Vitreous China Urinal (Toto® UT447E Or UT447EV) .....	706.93	108.03
22 42 13 16-0010	EA Wall Hung, Washout, Vitreous China Urinal (Toto® UT104E Or UT104EV) .....	605.36	108.03
22 42 13 16-0011	EA Wall Hung, Washout, Vitreous China Urinal (Zurn Z5798) .....	654.72	108.03
22 42 13 16-0012	EA 0.125 To 0.5 GPF, HEU, Wall Hung, Washout, Vitreous China Urinal (Sloan SU-1009-A) .....	598.10	108.03
22 42 13 16-0013	EA 1.0 GPF, HEU, Wall Hung, Washout, Vitreous China Urinal (Sloan SU-1006-A) .....	595.95	108.03
22 42 13 16-0014	Floor Mounted Urinals (22 42 13 16-0001)		
22 42 13 16-0015	EA Washout, Floor Mounted, Vitreous China Urinal (American Standard Stallbrook™) .....	947.08	136.29
22 42 13 16-0016	EA Washout, Floor Mounted, Vitreous China Urinal (Kohler® Branham™) .....	1,067.07	136.29
22 42 13 16-0017	EA Floor Mounted Urinal Seam Cover For 21" Centers (Kohler® K-4931) .....	308.29	25.24
22 42 13 16-0018	EA Floor Mounted Urinal Seam Cover For 24" Centers (Kohler® K-4932) .....	350.26	25.24

**22 42 13 16-0019 Waterfree Urinals (22 42 13 16-0001)**

22 42 13 16-0020	EA Waterfree, Wall Hung, Vitreous China Urinal (American Standard Large FloWise® Flush-Free) .....	630.12	75.72
22 42 13 16-0021	EA Waterfree, Wall Hung, Vitreous China Urinal (SLOAN WES-1000) .....	1,017.71	75.72
	For Colored Fixtures, Add	66.90	
	For >1, Deduct	-87.25	
22 42 13 16-0022	EA Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-2000) .....	881.79	75.72
	For Colored Fixtures, Add	66.90	
	For >1, Deduct	-71.75	
22 42 13 16-0023	EA Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-4000) .....	685.16	75.72
	For Colored Fixtures, Add	66.90	
	For >1, Deduct	-49.34	
22 42 13 16-0024	EA Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-5000) .....	685.16	75.72
	For Colored Fixtures, Add	66.90	
	For >1, Deduct	-49.34	
22 42 13 16-0025	EA Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-7000) .....	839.65	75.72
	For Colored Fixtures, Add	66.90	
	For >1, Deduct	-66.95	
22 42 13 16-0026	EA Waterfree, Wall Hung, Stainless Steel Urinal (Falcon F-9000) .....	1,252.70	75.72
	For >1, Deduct	-114.04	

**22 42 13 16-0027 Stainless Steel Urinals (22 42 13 16)**

22 42 13 16-0028	EA Wall Hung Urinal, Stainless Steel, Blowout Jet (Acorn 2160-T-1) .....	3,865.47	227.15
22 42 13 16-0029	EA 5' Wall Hung Trough Urinal, Stainless Steel With Strainer And Washdown Pipe (Elkay EU6014C) .....	5,015.58	277.63

**22 42 13 16-0030 Urinal Carriers (22 42 13 16)****22 42 13 16-0031 Floor Mounted, Urinal Carriers (22 42 13 16-0030)**

Note: Includes adjustable supporting rods, structural uprights and welded feet.

22 42 13 16-0032	EA Floor Mounted Hanger Plate Type, Single Urinal Carrier .....	487.54	38.37
	For Up To 4" Extension Sleeves And Hardware, Add	23.79	
22 42 13 16-0033	EA Floor Mounted Bearing Plate Type, Single Urinal Carrier .....	530.58	38.37
	For Up To 4" Extension Sleeves And Hardware, Add	23.79	

**22 42 13 16-0034 Wall Mounted, Urinal Carriers (22 42 13 16-0030)**

Note: Includes wall plate and adjustable supporting rods.

22 42 13 16-0035	EA Wall Mounted Hanger Plate Type, Single Urinal Carrier .....	219.06	38.37
	For Up To 6-1/2" Extension Sleeves And Hardware, Add	23.79	

**22 42 13 16-0036 Removal And Reinstallation Of Fixtures And Trim (22 42 13 16)**

Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.

22 42 13 16-0037	EA Removal And Reinstallation Of Wall Hung Urinal With Flush Valve .....	459.91	
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**22 42 16 Commercial Lavatories and Sinks (22 42)****22 42 16 13 Commercial Lavatories (22 42 16)****22 42 16 13-0001 Lavatories (22 42 16 13)**

Note: Includes trap, drain and supply valves. Excludes faucets. See CSI section 22 42 39 00-0000 for faucets.

**22 42 16 13-0002 Wall Hung Lavatories (22 42 16 13-0001)**

22 42 16 13-0003	EA 19" x 17" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™) .....	572.05	67.64
22 42 16 13-0004	EA 20" x 18" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™) .....	598.85	67.64
22 42 16 13-0005	EA 22" x 19" Porcelain Enameled Cast Iron Wall Hung Lavatory (Kohler® Hampton™) .....	748.99	67.64
22 42 16 13-0006	EA 18" x 16" Vitreous China Wall Hung Lavatory (American Standard Penlyn™) .....	523.17	67.64
22 42 16 13-0007	EA 19" x 17" Vitreous China Wall Hung Lavatory (American Standard Declyn™) .....	448.28	67.64

	MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 42 16 13-0008	EA	20" x 18" Vitreous China Wall Hung Lavatory (Kohler® Soho®) .....	571.61	67.64
22 42 16 13-0009	EA	27" x 20" Wheelchair Accessible, Vitreous China Wall Hung Lavatory (American Standard Wheel Chair Users) .....	676.90	67.64
22 42 16 13-0010	EA	20" x 18" Vitreous China Wall Hung Lavatory (American Standard Roxalyn™) .....	535.79	67.64
22 42 16 13-0011	EA	20" x 18" Vitreous China Wall Hung Lavatory (American Standard Lucerne™) .....	470.35	67.64
<b>22 42 16 13-0012</b>		<b>Countertop Lavatories (22 42 16 13-0001)</b>		
22 42 16 13-0013	EA	20" x 18" Oval Vitreous China Countertop Lavatory (Kohler® Pennington®) .....	522.00	81.77
22 42 16 13-0014	EA	21" x 18" Vitreous China Countertop Lavatory (American Standard Cadet™ Oval) .....	532.62	81.77
22 42 16 13-0015	EA	19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Farmington™) .....	562.21	81.77
22 42 16 13-0016	EA	19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Ellington™) .....	593.73	81.77
22 42 16 13-0017	EA	24" x 18" Enameled Cast Iron Countertop Lavatory (Kohler® Thoreau®) .....	769.00	88.33
<b>22 42 16 13-0018</b>		<b>Undercounter Lavatories (22 42 16 13-0001)</b>		
22 42 16 13-0019	EA	15" x 12" Vitreous China Undercounter Lavatory (American Standard Ovalyn™) .....	520.03	81.77
22 42 16 13-0020	EA	17" x 14" Vitreous China Undercounter Lavatory (American Standard Ovalyn™) .....	486.48	81.77
22 42 16 13-0021	EA	19" x 16" Vitreous China Undercounter Lavatory (American Standard Ovalyn™) .....	486.48	81.77
22 42 16 13-0022	EA	21" x 17" Vitreous China Undercounter Lavatory (American Standard Ovalyn™) .....	527.16	81.77
22 42 16 13-0023	EA	15" x 12" Oval Vitreous China Undercounter Lavatory (Kohler® Caxton®) .....	501.53	81.77
22 42 16 13-0024	EA	17" x 14" Oval Vitreous China Undercounter Lavatory (Kohler® Caxton®) .....	495.34	81.77
22 42 16 13-0025	EA	19" x 15" Oval Vitreous China Undercounter Lavatory (Kohler® Caxton®) .....	501.64	81.77
22 42 16 13-0026	EA	18" x 12" Rectangular Vitreous China Undercounter Lavatory (Kohler® Ladena®) .....	640.54	81.77
22 42 16 13-0027	EA	21" x 14" Rectangular Vitreous China Undercounter Lavatory (Kohler® Ladena®) .....	640.54	81.77
<b>22 42 16 13-0028</b>		<b>Pedestal Lavatories (22 42 16 13-0001)</b>		
22 42 16 13-0029	EA	19" x 24" x 35" High Vitreous China Pedestal Sink (American Standard Cadet™) .....	653.17	194.34
<b>22 42 16 13-0030</b>		<b>Cultured Marble Vanity Tops (22 42 16 13-0001)</b>		
		Note: Includes predrilled holes for faucet.		
22 42 16 13-0031	EA	25" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink .....	350.29	75.72
22 42 16 13-0032	EA	31" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink .....	391.71	80.76
22 42 16 13-0033	EA	37" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink .....	464.89	85.81
22 42 16 13-0034	EA	49" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink .....	622.59	90.86
22 42 16 13-0035	EA	25" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink .....	373.37	75.72
22 42 16 13-0036	EA	31" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink .....	398.21	80.76
22 42 16 13-0037	EA	37" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink .....	503.28	85.81
22 42 16 13-0038	EA	43" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink .....	545.29	88.33
22 42 16 13-0039	EA	49" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink .....	606.36	90.86
<b>22 42 16 13-0040</b>		<b>Quartz Vanity Tops (22 42 16 13-0001)</b>		
		Note: Includes predrilled holes for faucet.		
22 42 16 13-0041	EA	25" x 22" Quartz Vanity Top With Integrated Backsplash And Sink .....	681.60	75.72
22 42 16 13-0042	EA	31" x 22" Quartz Vanity Top With Integrated Backsplash And Sink .....	710.64	80.76
22 42 16 13-0043	EA	37" x 22" Quartz Vanity Top With Integrated Backsplash And Sink .....	810.86	85.81
22 42 16 13-0044	EA	43" x 22" Quartz Vanity Top With Integrated Backsplash And Sink .....	817.20	88.33
22 42 16 13-0045	EA	49" x 22" Quartz Vanity Top With Integrated Backsplash And Sink .....	887.73	90.86
22 42 16 13-0046	EA	61" x 22" Quartz Vanity Top With Integrated Backsplash And Two Sinks .....	1,171.85	95.91
22 42 16 13-0047	EA	73" x 22" Quartz Vanity Top With Integrated Backsplash And Two Sinks .....	1,374.86	100.94
22 42 16 13-0048	EA	22" End Splash For Quartz Vanity Tops .....	37.05	
<b>22 42 16 13-0049</b>		<b>Solid Surface Vanity Tops (22 42 16 13-0001)</b>		
		Note: Includes predrilled holes for faucet.		
22 42 16 13-0050	EA	25" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink .....	579.54	75.72
22 42 16 13-0051	EA	31" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink .....	646.34	80.76
22 42 16 13-0052	EA	37" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink .....	721.88	85.81
22 42 16 13-0053	EA	43" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink .....	790.19	88.33
22 42 16 13-0054	EA	49" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink .....	852.72	90.86
22 42 16 13-0055	EA	55" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink .....	934.86	93.38
22 42 16 13-0056	EA	61" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink .....	1,035.45	95.91
22 42 16 13-0057	EA	61" x 22" Solid Surface Vanity Top With Integrated Backsplash And Two Sinks .....	1,060.24	95.91
22 42 16 13-0058	EA	73" x 22" Solid Surface Vanity Top With Integrated Backsplash And Two Sinks .....	1,141.59	100.94
22 42 16 13-0059	EA	22" End Splash For Solid Surface Vanity Tops .....	54.45	
<b>22 42 16 13-0060</b>		<b>Stainless Steel Lavatories (22 42 16 13-0001)</b>		
22 42 16 13-0061	EA	18" x 15" Wall Mounted Lavatory, Stainless Steel (Acorn 1950-1) .....	1,933.76	176.67
<b>22 42 16 13-0062</b>		<b>Solid Surface Multi-Station Lavatory Systems (22 42 16 13-0001)</b>		
		Note: ADA compliant. Includes integral faucets.		
22 42 16 13-0063	EA	2 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-2) .....	5,534.44	139.72
		For Integral Liquid Soap Dispenser, Add	171.00	
		For Integral Photovoltaic Power Panels, Add	563.00	
22 42 16 13-0064	EA	3 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-3) .....	8,114.01	139.72
		For Integral Liquid Soap Dispenser, Add	171.00	
		For Integral Photovoltaic Power Panels, Add	657.00	
22 42 16 13-0065	EA	12" Length, Solid Surface Countertop Extension (Bradley MG-EXT-12) .....	376.60	46.57
22 42 16 13-0066	EA	18" Length, Solid Surface Countertop Extension (Bradley MG-EXT-18) .....	466.22	46.57

**22 Plumbing****22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
22 42 16 13-0067	EA 36" Length, Solid Surface Countertop Extension (Bradley MG-EXT-36) .....	922.65	46.57
22 42 16 13-0068	<b>Lavatory Carriers</b> (22 42 16 13)		
22 42 16 13-0069	<b>Floor Mounted, Lavatory Carriers</b> (22 42 16 13-0068)		
22 42 16 13-0070	<b>Floor Mounted Plate Type, Lavatory Carriers</b> (22 42 16 13-0069) Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 42 16 13-0071	EA Floor Mounted Hanger Plate Type, Single Lavatory Carrier .....	487.54	38.37
	For Up To 4" Extension Sleeves And Hardware, Add	23.79	
	For Valve Plate For Attaching To Upright, Add	84.20	
	For Corner Carrier, Add	163.89	
22 42 16 13-0072	EA Floor Mounted Bearing Plate Type, Single Lavatory Carrier .....	530.58	38.37
	For Up To 4" Extension Sleeves And Hardware, Add	23.79	
	For Valve Plate For Attaching To Upright, Add	84.20	
22 42 16 13-0073	EA Floor Mounted Hanger Plate Type, Double Lavatory (Back To Back) Carrier .....	606.49	38.37
	For Up To 4" Extension Sleeves And Hardware, Add	47.57	
	For Valve Plate For Attaching To Upright, Add	168.41	
22 42 16 13-0074	EA Floor Mounted Bearing Plate Type, Double Lavatory (Back To Back) Carrier .....	693.71	38.37
	For Up To 4" Extension Sleeves And Hardware, Add	47.57	
	For Valve Plate For Attaching To Upright, Add	168.41	
22 42 16 13-0075	<b>Floor Mounted, Lavatory Carriers With Arms</b> (22 42 16 13-0069) Note: Includes leveling and securing screws, structural uprights and welded feet.		
22 42 16 13-0076	EA Floor Mounted, Single Lavatory Carrier With Concealed Arms .....	626.68	45.43
	For Up To 6-1/2" Extension Sleeves And Hardware, Add	23.79	
	For Concealed Arm Carrier For Wheelchair Lavatory, Add	32.86	
	For Valve Plate For Attaching To Upright, Add	86.22	
	For 2" Chrome Plated Escutcheons, Add	80.43	
	For 4" Or 6" Chrome Plated Escutcheons, Add	146.13	
22 42 16 13-0077	EA Floor Mounted, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms .....	835.11	45.43
	For Up To 4-1/2" Extension Sleeves And Hardware, Add	23.79	
	For Vandal Proof Trim, Add	64.58	
	For Valve Plate For Attaching To Upright, Add	86.22	
	For Heavy Duty Carrier, Add	82.69	
22 42 16 13-0078	EA Floor Mounted, Double Lavatory (Back To Back) Carrier With Concealed Arms .....	833.98	45.43
	For Up To 6-1/2" Extension Sleeves And Hardware, Add	47.57	
	For Concealed Arm Carrier For Wheelchair Lavatory, Add	65.71	
	For Valve Plate For Attaching To Upright, Add	172.45	
	For 2" Chrome Plated Escutcheons, Add	160.86	
	For 4" Or 6" Chrome Plated Escutcheons, Add	292.26	
22 42 16 13-0079	EA Floor Mounted, Double Lavatory (Back To Back) Carrier With Exposed Acid Resistant White Coated Arms .....	1,232.74	45.43
	For Up To 4-1/2" Extension Sleeves And Hardware, Add	47.57	
	For Vandal Proof Trim, Add	129.15	
	For Valve Plate For Attaching To Upright, Add	172.45	
	For Heavy Duty Carrier, Add	165.38	
22 42 16 13-0080	<b>Wall Mounted, Lavatory Carriers</b> (22 42 16 13-0068)		
22 42 16 13-0081	<b>Wall Mounted Plate Type, Lavatory Carriers</b> (22 42 16 13-0080) Note: Includes wall plate and adjustable supporting rods.		
22 42 16 13-0082	EA Wall Mounted Hanger Plate Type, Single Lavatory Carrier .....	219.06	38.37
	For Double Plate Carrier, Add	65.14	
22 42 16 13-0083	<b>Wall Mounted Plate Type, Lavatory Carriers With Arms</b> (22 42 16 13-0080) Note: Includes wall plate and leveling and securing screws.		
22 42 16 13-0084	EA Wall Mounted Fixed Steel Plate Type, Single Lavatory Carrier With Concealed Arms .....	362.73	45.43
	For Up To 4" Extension Sleeves And Hardware, Add	23.79	
	For 2" Chrome Plated Escutcheons, Add	80.43	
22 42 16 13-0085	EA Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Concealed Arms .....	426.17	45.43
	For Movable Mounting Brackets, Deduct	-61.16	
	For Up To 4" Extension Sleeves And Hardware, Add	23.79	
	For 2" Chrome Plated Escutcheons, Add	80.43	
	For 4" Or 6" Chrome Plated Escutcheons, Add	146.13	
22 42 16 13-0086	EA Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms .....	622.15	45.43
	For Up To 4-1/2" Extension Sleeves And Hardware, Add	23.79	
	For Vandal Proof Trim, Add	64.58	
22 42 16 13-0087	<b>Removal And Reinstallation Of Lavatory And Trim</b> (22 42 16 13) Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 16 13-0088	EA Removal And Reinstallation Of Wall Hung Lavatory With Faucet .....	296.93	
<b>22 42 16 16</b>	<b>Commercial Sinks</b> (22 42 16)		
22 42 16 16-0001	<b>Sinks</b> (22 42 16 16) Note: Includes drain, trap and supply valves. Excludes faucets. See CSI section 22 42 39 00-0000 for faucets.		
22 42 16 16-0002	<b>Kitchen Sinks</b> (22 42 16 16-0001)		
22 42 16 16-0003	EA 25" x 22" x 8-3/4" Enameled Cast Iron Kitchen Sink, Single Bowl (Kohler® Mayfield®) .....	697.63	94.89
22 42 16 16-0004	EA 22" x 33" x 9-5/8" Enameled Cast Iron Kitchen Sink, Double Bowl (Kohler® Brookfield®) .....	902.57	108.03
22 42 16 16-0005	EA 15" x 17" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1517) .....	832.57	92.88
	For 18 Gauge, Add	227.00	
22 42 16 16-0006	EA 17" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1722) .....	852.81	92.88
	For 18 Gauge, Add	237.12	

MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

22 42 16 16-0007	EA	22" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2222).....	898.36	92.88
		<i>For 18 Gauge, Add</i>	259.89	
22 42 16 16-0008	EA	25" x 22" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2522).....	940.83	94.89
		<i>For 18 Gauge, Add</i>	275.07	
22 42 16 16-0009	EA	31" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR3122).....	1,178.42	108.03
		<i>For 18 Gauge, Add</i>	374.60	
22 42 16 16-0010	EA	33" x 21" x 7-1/2" Stainless Steel Kitchen Sink, Double Bowl, 20 Gauge (Elkay PSR3321).....	1,202.87	108.03
		<i>For 18 Gauge, Add</i>	386.64	
22 42 16 16-0011	EA	15" x 17" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR151710).....	1,160.66	92.88
22 42 16 16-0012	EA	17" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR172210).....	1,183.43	92.88
22 42 16 16-0013	EA	22" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR222210).....	1,240.79	92.88
22 42 16 16-0014	EA	25" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR252210).....	1,319.53	94.89
22 42 16 16-0015	EA	31" x 22" x 11-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR312210).....	1,590.85	108.03
22 42 16 16-0016	EA	33" x 22" x 8" Stainless Steel Kitchen Sink, Double Bowl, 18 Gauge (Elkay LR3322).....	1,525.90	108.03
<b>22 42 16 16-0017</b>		<b>Undermount Kitchen Sinks</b> (22 42 16 16-0001)		
22 42 16 16-0018	EA	21" x 15" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU2115) With Strainer (Elkay LK99).....	1,039.14	92.88
22 42 16 16-0019	EA	21" x 15" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU211510) With Strainer (Elkay LK99).....	1,036.68	92.88
22 42 16 16-0020	EA	21" x 15" x 7-1/2" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH2115) With Strainer (Elkay LK99).....	1,047.58	92.88
22 42 16 16-0021	EA	21" x 15" x 10" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH211510) With Strainer (Elkay LK99).....	1,104.93	92.88
22 42 16 16-0022	EA	21" x 15-3/4" x 4-3/8" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELUHAD2115) With Strainer (Elkay LK99).....	1,068.66	92.88
		Note: Available in 4-1/2", 5, or 5-1/2" depths.		
22 42 16 16-0023	EA	25" x 20-1/2" x 7-7/8" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELUHF2520) With Strainer (Elkay LK99).....	1,215.66	92.88
22 42 16 16-0024	EA	32" x 20-1/2" x 7-7/8" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELUHF3320) With Strainer (Elkay LK99).....	1,435.43	92.88
22 42 16 16-0025	EA	21" x 18" x 5-1/2" Deep, Single Compartment Stainless Steel Sink, Undermount, 18 Gauge (Just Manufacturing Co. US-ADA-1821-A).....	856.38	92.88
22 42 16 16-0026	EA	32" x 18" x 5-1/2" Deep, Two Compartment Stainless Steel Sink, Undermount, 18 Gauge (Just Manufacturing Co. UD-ADA-1832-A).....	1,103.15	92.88
<b>22 42 16 16-0027</b>		<b>Multi-Station Wash Sink, Wall Mounted</b> (22 42 16 16-0001)		
		Note: Includes concealed wall hanger, soap dish(s), strainer, supply lines and P-Trap. Excludes faucets.		
22 42 16 16-0028	EA	36" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™).....	1,892.97	164.05
		Note: Excludes faucets.		
22 42 16 16-0029	EA	48" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™).....	2,514.42	176.67
		Note: Excludes faucets.		
22 42 16 16-0030	EA	60" Wide, 3 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™).....	2,884.94	189.29
		Note: Excludes faucets.		
22 42 16 16-0031	EA	48" Wide, 2 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951).....	2,113.69	126.20
		Note: Excludes faucets.		
22 42 16 16-0032	EA	62" Wide, 3 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951).....	2,344.68	138.81
		Note: Excludes faucets.		
22 42 16 16-0033	EA	80" Wide, 4 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951).....	2,571.14	151.43
		Note: Excludes faucets.		
22 42 16 16-0034	EA	102" Wide, 5 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951).....	2,852.31	170.36
		Note: Excludes faucets.		
22 42 16 16-0035	EA	27" Diameter, 2 Person, Stainless Steel, Sensor Operated Compact Wash Fountain.....	2,726.63	277.63
		Note: Includes sensor operated spray heads.		
<b>22 42 16 16-0036</b>		<b>Utility Or Laundry Sinks</b> (22 42 16 16-0001)		
22 42 16 16-0037	EA	23" x 21" Molded Stone Single Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FL-1).....	637.26	108.03
22 42 16 16-0038	EA	40" x 24" Molded Stone Double Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FLTD-II).....	734.93	108.03
22 42 16 16-0039	EA	22" x 17" Molded Stone Single Laundry Sink, Drop-In (Fiat Products DL1).....	635.36	108.03
22 42 16 16-0040	EA	24" x 21" Enameled Cast Iron Single Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2210).....	980.57	108.03
22 42 16 16-0041	EA	48" x 21" Enameled Cast Iron Double Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2220).....	1,396.72	121.15
<b>22 42 16 16-0042</b>		<b>Refinish Sink/Lavatory</b> (22 42 16 16-0001)		
22 42 16 16-0043	EA	Refinish Sink/Lavatory.....	233.79	
<b>22 42 16 16-0044</b>		<b>Service Sinks</b> (22 42 16 16-0001)		
22 42 16 16-0045	EA	22" x 18" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Lakewell™).....	1,014.78	162.54
22 42 16 16-0046	EA	24" x 20" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Akron™).....	1,068.06	162.54
22 42 16 16-0047	EA	28" x 28" Enameled Cast Iron Floor Type Corner Service Sink With Removable Vinyl Coated Rim Guard (American Standard Florwell™).....	1,333.80	215.03
22 42 16 16-0048	EA	12" x 12" x 10" Cast Iron Floor Sink With Dome Strainer And Full Grate (Zurn FD2377-PO3-F).....	556.43	151.43
22 42 16 16-0049	EA	24" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB2424).....	641.49	151.43
22 42 16 16-0050	EA	36" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB3624).....	706.85	181.71
22 42 16 16-0051	EA	24" x 24" x 10" Molded Stone Mop Service Sink With Strainer (Swanstone MS-2424-010).....	585.59	151.43
22 42 16 16-0052	EA	36" x 24" x 10" Molded Stone Mop Service Sink With Strainer (Swanstone MS-2436-010).....	665.74	181.71
22 42 16 16-0053	EA	24" x 24" x 12" Terrazzo Mop Service Sink With Strainer (Acorn TSH-24).....	836.58	151.43
22 42 16 16-0054	EA	36" x 24" x 12" Terrazzo Mop Service Sink With Strainer (Acorn TSH-3624).....	1,031.58	181.71
22 42 16 16-0055	EA	33" x 33" x 10", Type 304 Stainless Steel, ADA Mop Sink (IMC Teddy FS-ADA).....	1,679.06	67.34

**22 Plumbing****22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
22 42 16 16-0056		<b>Stainless Steel Sink And Drainboard</b> (22 42 16 16-0001)		
22 42 16 16-0057	EA	Stainless Steel Sink With One 24" x 24" x 14" Depth Compartment And Drainboard, 14 Gauge Stainless Steel With Tubular Adjustable Legs (Advance Tabco 94-41-24-24L) .....	3,425.89	252.39
22 42 16 16-0058		<b>Soapstone Sinks</b> (22 42 16 16-0001)		
22 42 16 16-0059	EA	26-1/2" x 18-1/2" x 7-3/4" Single Bowl Soapstone Sink .....	1,065.17	92.88
22 42 16 16-0060	SF	Soapstone Sink Backsplash .....	171.97	
22 42 16 16-0061	EA	30" x 18-1/2" x 10" Single Bowl Soapstone Sink .....	1,359.43	108.03
22 42 16 16-0062	EA	36" x 18-1/2" x 10" Double Bowl Soapstone Sink .....	1,593.79	108.03
22 42 16 16-0063		<b>Classroom Sinks</b> (22 42 16 16-0001)		
		Note: Includes drain, trap and supply valves.		
22 42 16 16-0064	EA	25" x 17" x 6-1/2", 20 Gauge Stainless Steel, Top Mounting Type, 15-34" x 14" x 6-3/8" Deep Single Bowl, Drop-In Classroom ADA Sink (Elkay CDKAD2517654) .....	772.90	92.88
		Note: Includes single manual handle faucet, gooseneck faucet and basket strainer (LKD208513LC, LK1141A, LK35)		
22 42 16 16-0065		<b>Sink Carriers</b> (22 42 16 16)		
22 42 16 16-0066		<b>Floor Mounted, Sink Carriers</b> (22 42 16 16-0065)		
		Note: With support plates, adjustable coupling with 4" piping connection, mounting studs, structural uprights, welded feet and chrome plated trim.		
22 42 16 16-0067	EA	Floor Mounted Heavy Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling .....	708.44	38.37
		For Vandal Proof Trim, Add	64.58	
		For Valve Plate For Attaching To Upright, Add	84.20	
22 42 16 16-0068	EA	Floor Mounted Heavy Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling And 4" x 2" Waste Fitting .....	1,096.99	38.37
		For Vandal Proof Trim, Add	64.58	
		For Auxiliary Vent, Add	191.83	
22 42 16 16-0069	EA	Floor Mounted Heavy Duty Support Plate Type, Single Sink Carrier With Exposed Acid Resistant White Coated Arms .....	1,373.41	38.37
		For Up To 4" Extension Sleeves And Hardware, Add	48.71	
		For Vandal Proof Trim, Add	64.58	
22 42 16 16-0070		<b>Removal And Reinstallation Of Sink And Trim</b> (22 42 16 16)		
		Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 16 16-0071	EA	Removal And Reinstallation Of Wall Hung Service Sink With Faucet .....	407.08	
<b>22 42 19</b>		<b>Commercial Bathtubs</b> (22 42)		
22 42 19 00-0001		<b>Recessed Alcove Bathtubs</b> (22 42 19)		
22 42 19 00-0002		<b>Porcelain Enameled Cast Iron, Recessed Alcove Bathtubs</b> (22 42 19 00-0001)		
22 42 19 00-0003	EA	54" x 30-1/4" x 14", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Seaforth™) .....	1,475.00	280.65
22 42 19 00-0004	EA	60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Mendota®) .....	1,265.20	280.65
22 42 19 00-0005	EA	60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Dynametric®) .....	1,480.27	280.65
22 42 19 00-0006	EA	66" x 32" x 17", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Bellwether®) .....	1,902.22	280.65
22 42 19 00-0007		<b>Porcelain Enameled Steel, Recessed Alcove Bathtubs</b> (22 42 19 00-0001)		
22 42 19 00-0008	EA	60" x 30" x 14-1/4", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Salem®) .....	659.10	280.65
22 42 19 00-0009	EA	60" x 30" x 16-5/8", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Solar®) .....	674.12	280.65
22 42 19 00-0010		<b>Porcelain Finished Metal Alloy, Recessed Alcove Bathtubs</b> (22 42 19 00-0001)		
22 42 19 00-0011	EA	60" x 32" x 17-3/4", Porcelain Finished Metal Alloy, Recessed Alcove Bathtub (American Standard Cambridge™) .....	969.89	280.65
22 42 19 00-0012		<b>Acrylic, Recessed Alcove Bathtubs</b> (22 42 19 00-0001)		
22 42 19 00-0013	EA	60" x 32" x 19", Acrylic, Recessed Alcove Bathtub (Kohler® Archer®) .....	998.30	280.65
22 42 19 00-0014	EA	60" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®) .....	1,179.94	280.65
22 42 19 00-0015	EA	66" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®) .....	1,203.40	280.65
22 42 19 00-0016	EA	72" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®) .....	1,188.98	280.65
22 42 19 00-0017	EA	72" x 42" x 21", Acrylic, Recessed Alcove Bathtub (Kohler® Windward®) .....	1,240.85	280.65
22 42 19 00-0018		<b>Bathtub Refinishing</b> (22 42 19 00-0001)		
22 42 19 00-0019	EA	Refinish Porcelain Finished Bathtub With Acrylic Urethane Enamel .....	569.45	
22 42 19 00-0020		<b>Tub And Shower Combinations</b> (22 42 19)		
22 42 19 00-0021		<b>Acrylic Tub And Shower Combination</b> (22 42 19 00-0020)		
22 42 19 00-0022	EA	1 Piece, 60" x 32" x 72" Acrylic Tub And Shower (Delta 226032) .....	1,082.46	100.59
		For 2 Piece Enclosure, Deduct	-236.67	
22 42 19 00-0023		<b>Fiberglass Tub And Shower Combination</b> (22 42 19 00-0020)		
22 42 19 00-0024	EA	1 Piece 60" x 32" x 72" Fiberglass Tub And Shower (Aquatic 2603-SG) .....	816.98	100.59

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 42 19 00-0025	EA			2 Piece 60" x 30" x 72" Fiberglass Tub And Shower (Aquatic 2603-2P).....	649.40	67.06
22 42 19 00-0026	EA			4 Piece 60" x 32" x 75-1/2" Fiberglass Tub And Shower (Aquatic 26030-4P) .....	1,295.43	151.83
22 42 19 00-0027	EA			3 Piece Tub/Shower Surrounds, 32" x 72" Side Walls, 48" x 72" Back, (Swanstone SK-324872).....	2,949.70	376.83
				<i>For 2 Piece Enclosure, Deduct</i>	-618.49	

**22 42 23 Commercial Showers (22 42)**

**22 42 23 00-0001 Shower Enclosures (22 42 23)**  
Note: Includes precast concrete receptors. Excludes plumbing hook-up and door or curtain.

**22 42 23 00-0002 Powder Coated Or Baked Enamel Steel Shower Enclosure (22 42 23 00-0001)**

22 42 23 00-0003	EA			32" x 32" x 82" Baked Enamel Steel Shower Enclosure (General Partitions).....	1,444.90	162.83
22 42 23 00-0004	EA			36" x 36" x 82" Baked Enamel Steel Shower Enclosure (General Partitions).....	1,444.90	162.83
22 42 23 00-0005	EA			40" x 40" x 82" Baked Enamel Steel Shower Enclosure (General Partitions).....	2,161.21	162.83
22 42 23 00-0006	EA			40" x 48" x 82" Handicapped, Baked Enamel Steel Shower Enclosure (General Partitions).....	2,373.87	162.83

**22 42 23 00-0007 Solid Plastic Core High Density Polymer (HDP) Shower Enclosure (22 42 23 00-0001)**

22 42 23 00-0008	EA			32" x 32" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions).....	2,351.48	162.83
22 42 23 00-0009	EA			36" x 36" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions).....	2,351.48	162.83
22 42 23 00-0010	EA			40" x 40" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions).....	3,358.80	162.83
22 42 23 00-0011	EA			40" x 48" x 82" Handicapped, Solid Plastic Shower Enclosure (General Partitions).....	3,750.53	162.83

**22 42 23 00-0012 Composite Fiberglass Shower Enclosure, 4 Piece Knock-Down (22 42 23 00-0001)**

22 42 23 00-0013	EA			32" x 32" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 3232CS).....	1,217.77	162.83
22 42 23 00-0014	EA			36" x 36" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 3636CS).....	1,250.87	162.83
22 42 23 00-0015	EA			34" x 48" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 4834CS).....	1,283.97	162.83
22 42 23 00-0016	EA			30" x 60" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 6030CSL).....	1,350.18	162.83
22 42 23 00-0017	EA			34" x 60" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 6034CS).....	1,437.90	162.83

**22 42 23 00-0018 1 Piece Shower Units (22 42 23)**

22 42 23 00-0019	EA			1 Piece, 32" x 32" x 73" Fiberglass Shower With Drain (Swanstone FS03232).....	1,037.50	100.59
22 42 23 00-0020	EA			1 Piece, 36" x 36" x 73" Fiberglass Shower With Drain (Swanstone FS03636).....	1,158.90	100.59

**22 42 23 00-0021 Personnel Type Shower Receptors (22 42 23)**

**22 42 23 00-0022 Acrylic Shower Receptors (22 42 23 00-0021)**

22 42 23 00-0023	EA			36" x 36" Acrylic Shower Receptor.....	439.28	41.11
22 42 23 00-0024	EA			42" x 42" Acrylic Shower Receptor.....	464.49	41.11
22 42 23 00-0025	EA			48" x 48" Acrylic Shower Receptor.....	514.83	41.11
22 42 23 00-0026	EA			60" x 60" Acrylic Shower Receptor.....	626.16	49.33
22 42 23 00-0027	EA			48" x 32" Acrylic Shower Receptor.....	440.47	41.11
22 42 23 00-0028	EA			48" x 36" Acrylic Shower Receptor.....	473.62	41.11
22 42 23 00-0029	EA			48" x 42" Acrylic Shower Receptor.....	535.30	41.11
22 42 23 00-0030	EA			60" x 30" Acrylic Shower Receptor.....	844.12	110.28
22 42 23 00-0031	EA			60" x 32" Acrylic Shower Receptor.....	594.79	49.33
22 42 23 00-0032	EA			60" x 36" Acrylic Shower Receptor.....	599.06	49.33
22 42 23 00-0033	EA			60" x 42" Acrylic Shower Receptor.....	602.97	49.33
22 42 23 00-0034	EA			60" x 48" Acrylic Shower Receptor.....	664.25	49.33
22 42 23 00-0035	EA			36" x 36" Acrylic Corner Shower Receptor.....	641.34	41.11
22 42 23 00-0036	EA			42" x 42" Acrylic Corner Shower Receptor.....	736.48	41.11
22 42 23 00-0037	EA			47-1/2" x 47-1/2" Acrylic Corner Shower Receptor.....	1,172.15	104.76

**22 42 23 00-0038 Molded Stone Shower Receptors (22 42 23 00-0021)**

22 42 23 00-0039	EA			32" x 32" Molded Stone Shower Receptor (Fiat 32WL).....	292.70	41.11
22 42 23 00-0040	EA			34" x 34" Molded Stone Shower Receptor (Fiat 34WL).....	306.92	41.11
22 42 23 00-0041	EA			36" x 36" Molded Stone Shower Receptor (Fiat 36WL).....	308.51	41.11
22 42 23 00-0042	EA			42" x 42" Molded Stone Shower Receptor (Fiat 4242WL).....	378.83	41.11
22 42 23 00-0043	EA			42" x 34" Molded Stone Shower Receptor (Fiat 42WL).....	336.16	41.11
22 42 23 00-0044	EA			48" x 32" Molded Stone Shower Receptor (Fiat 4832WL).....	355.92	41.11
22 42 23 00-0045	EA			48" x 34" Molded Stone Shower Receptor (Fiat 48WL).....	358.29	41.11
22 42 23 00-0046	EA			54" x 34" Molded Stone Shower Receptor (Fiat 54WL).....	414.94	49.33
22 42 23 00-0047	EA			60" x 34" Molded Stone Shower Receptor (Fiat 60WL).....	429.95	49.33
22 42 23 00-0048	EA			36" x 36" Molded Stone Corner Shower Receptor (Fiat 36WLC).....	340.11	41.11
22 42 23 00-0049	EA			38" x 38" Molded Stone Corner Shower Receptor (Fiat 38WLC).....	348.81	41.11

**22 42 23 00-0050 Precast Terrazzo Shower Receptors (22 42 23 00-0021)**

22 42 23 00-0051	EA			30" x 30" Precast Terrazzo Shower Receptor.....	550.31	41.11
22 42 23 00-0052	EA			32" x 32" Precast Terrazzo Shower Receptor.....	571.65	41.11
22 42 23 00-0053	EA			34" x 34" Precast Terrazzo Shower Receptor.....	591.40	41.11
22 42 23 00-0054	EA			36" x 36" Precast Terrazzo Shower Receptor.....	593.77	41.11
22 42 23 00-0055	EA			40" x 40" Precast Terrazzo Shower Receptor.....	649.88	41.11
22 42 23 00-0056	EA			42" x 42" Precast Terrazzo Shower Receptor.....	678.32	41.11
22 42 23 00-0057	EA			48" x 48" Precast Terrazzo Shower Receptor.....	953.32	41.11
22 42 23 00-0058	EA			36" x 32" Precast Terrazzo Shower Receptor.....	586.66	41.11
22 42 23 00-0059	EA			42" x 32" Precast Terrazzo Shower Receptor.....	597.99	41.11
22 42 23 00-0060	EA			42" x 34" Precast Terrazzo Shower Receptor.....	618.27	41.11
22 42 23 00-0061	EA			42" x 36" Precast Terrazzo Shower Receptor.....	643.55	41.11
22 42 23 00-0062	EA			32" x 48" Precast Terrazzo Shower Receptor.....	645.92	41.11

**22 Plumbing****22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

22 42 23 00-0063	EA	48" x 34" Precast Terrazzo Shower Receptor.....	678.32	41.11
22 42 23 00-0064	EA	54" x 32" Precast Terrazzo Shower Receptor.....	710.72	41.11
22 42 23 00-0065	EA	60" x 30" Precast Terrazzo Shower Receptor.....	960.68	49.33
22 42 23 00-0066	EA	60" x 32" Precast Terrazzo Shower Receptor.....	1,050.34	49.33
22 42 23 00-0067	EA	60" x 34" Precast Terrazzo Shower Receptor.....	1,054.74	49.33
22 42 23 00-0068	EA	60" x 36" Precast Terrazzo Shower Receptor.....	1,059.11	49.33
22 42 23 00-0069	EA	32" x 32" Precast Terrazzo Corner Shower Receptor.....	596.93	41.11
22 42 23 00-0070	EA	34" x 34" Precast Terrazzo Corner Shower Receptor.....	597.99	41.11
22 42 23 00-0071	EA	36" x 36" Precast Terrazzo Corner Shower Receptor.....	600.09	41.11
22 42 23 00-0072	EA	40" x 40" Precast Terrazzo Corner Shower Receptor.....	719.41	41.11
22 42 23 00-0073	EA	36" x 36", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor.....	1,308.12	41.11
22 42 23 00-0074	EA	60" x 30", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor.....	1,456.43	49.33
22 42 23 00-0075	EA	60" x 36", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor.....	1,518.07	49.33

**22 42 23 00-0076 Shower Receptors Accessories (22 42 23 00-0021)**

22 42 23 00-0077	SF	Polyvinyl Chloride (PVC) Shower Pan Liner.....	3.68	
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**22 42 23 00-0078 Removal And Reinstallation Of Fixtures And Trim (22 42 23)**

Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.

22 42 23 00-0079	EA	Removal And Reinstallation Of Shower Head.....	49.33	
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**22 42 33 Wash Fountains (22 42)****22 42 33 00-0001 Circular Wash Fountain, Deep Bowl (22 42 33)**

Note: Includes trim and trap. 2" IPS waste outlets foot control/hand control operated.

22 42 33 00-0002	EA	36" Stainless Steel Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2705F-A-LSD).....	8,304.96	163.01
		<i>For Metal Soap Dispenser, Add</i> .....	100.00	
		<i>For Stainless Steel Pedestal Panels, Add</i> .....	100.00	
22 42 33 00-0003	EA	36" Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2805F-A-LSD).....	4,922.64	163.01
		<i>For Metal Soap Dispenser, Add</i> .....	100.00	
		<i>For Stainless Steel Pedestal Panels, Add</i> .....	100.00	
22 42 33 00-0004	EA	36" Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3105AIRLSDE).....	8,552.08	163.01
		<i>For Metal Soap Dispenser, Add</i> .....	100.00	
		<i>For Stainless Steel Pedestal Panels, Add</i> .....	100.00	
22 42 33 00-0005	EA	54" Stainless Steel Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2708F-A-LSD).....	10,585.43	186.29
		<i>For Metal Soap Dispenser, Add</i> .....	100.00	
		<i>For Stainless Steel Pedestal Panels, Add</i> .....	100.00	
22 42 33 00-0006	EA	54" Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2808F-A-LSD).....	5,680.13	186.29
		<i>For Metal Soap Dispenser, Add</i> .....	100.00	
		<i>For Stainless Steel Pedestal Panels, Add</i> .....	100.00	
22 42 33 00-0007	EA	54" Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3108AIRLSDE).....	10,248.41	186.29
		<i>For Metal Soap Dispenser, Add</i> .....	100.00	
		<i>For Stainless Steel Pedestal Panels, Add</i> .....	100.00	

**22 42 33 00-0008 Semi-Circular Wash Fountain, Deep Bowl (22 42 33)**

Note: Includes trim and trap. 2" IPS waste outlets foot control/hand control operated.

22 42 33 00-0009	EA	36" Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2703F-A-LSD).....	7,246.07	139.72
		<i>For Metal Soap Dispenser, Add</i> .....	100.00	
		<i>For Stainless Steel Pedestal Panels, Add</i> .....	100.00	
22 42 33 00-0010	EA	36" Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2803F-A-LSD).....	4,495.71	139.72
		<i>For Metal Soap Dispenser, Add</i> .....	100.00	
		<i>For Stainless Steel Pedestal Panels, Add</i> .....	100.00	
22 42 33 00-0011	EA	36" Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3103AIRLSDE).....	6,482.06	139.72
		<i>For Metal Soap Dispenser, Add</i> .....	100.00	
		<i>For Stainless Steel Pedestal Panels, Add</i> .....	100.00	
22 42 33 00-0012	EA	54" Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2704F-A-LSD).....	8,891.51	163.01
		<i>For Metal Soap Dispenser, Add</i> .....	100.00	
		<i>For Stainless Steel Pedestal Panels, Add</i> .....	100.00	
22 42 33 00-0013	EA	54" Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2804F-A-LSD).....	5,425.56	163.01
		<i>For Metal Soap Dispenser, Add</i> .....	100.00	
		<i>For Stainless Steel Pedestal Panels, Add</i> .....	100.00	
22 42 33 00-0014	EA	54" Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3104AIRLSDE).....	7,711.38	163.01
		<i>For Metal Soap Dispenser, Add</i> .....	100.00	
		<i>For Stainless Steel Pedestal Panels, Add</i> .....	100.00	

**22 42 39 Commercial Faucets, Supplies, and Trim (22 42)****22 42 39 00-0001 Other Trim (22 42 39)**

22 42 39 00-0002	EA	Faucet Aerator, Male Thread 13/16" Male, 2 GPM (Delta RP330).....	17.86	5.48
22 42 39 00-0003	EA	1-1/2" Pop-up Tailpiece (Chicago Faucet 226-ACP).....	114.92	16.44
22 42 39 00-0004	EA	Lavatory Drainline Guard And Shutoff Covers (IPS Truebro Lav Guard 102).....	62.41	15.15



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 42 39 00-0005	EA Soft Lavatory Drainline Guard And Shutoff Covers (IPS Truebro Soft-Guard Plus).....	65.28	15.15
22 42 39 00-0006	EA Lavatory Protective Enclosure (IPS Truebro Lav Shield).....	163.29	15.15
22 42 39 00-0007	EA 36" Wide, Undersink Protective Enclosure (IPS Truebro Basin Guard).....	200.21	15.15
22 42 39 00-0008	EA 42" Wide, Undersink Protective Enclosure (IPS Truebro Basin Guard).....	227.03	15.15
22 42 39 00-0009	EA 1/2" NPT x 3/8" Compression Chrome, Quarter Turn Angle Stop (SharkBite 23036).....	35.51	10.60
22 42 39 00-0010	EA 1/2" NPT x 3/8" Compression Chrome, Quarter Turn Straight Stop (SharkBite 23037).....	35.51	10.60
22 42 39 00-0011	EA 1/2" NPT x 3/8" Compression Chrome, Quarter Turn Dual Angle Stop (SharkBite 25558).....	48.56	10.60
22 42 39 00-0012	PR 16" Long, 3/8" OD x 1/2" IPS, Stainless Steel Braided Sink Supply Line (Pair).....	33.89	11.64
22 42 39 00-0013	EA 12" Long, 3/8" OD x 7/8" BC, Stainless Steel Braided Toilet Supply Line.....	21.03	6.85
22 42 39 00-0014	EA 12" Long, 1/2" OD x 7/8" BC, Stainless Steel Braided Toilet Supply Line.....	21.62	6.85

**22 42 39 00-0015 Kitchen Faucets** (22 42 39)

22 42 39 00-0016	EA Top Cast Kitchen Faucet, Single Handle, Chrome Finish (Delta 140-DST).....	191.69	50.48
22 42 39 00-0017	EA Top Cast Kitchen Faucet With Spray, Single Handle, Chrome Finish (Delta 440-DST).....	215.93	50.48
22 42 39 00-0018	EA Top Cast Kitchen Faucet, Single Handle, Stainless Steel Finish (Delta 140-SS-DST).....	188.36	50.48
22 42 39 00-0019	EA Top Cast Kitchen Faucet With Spray, Single Handle, Stainless Steel Finish (Delta 440-SS-DST).....	211.99	50.48
22 42 39 00-0020	EA Top Cast Kitchen Faucet, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2102LF-LHP+H24).....	178.88	50.48
22 42 39 00-0021	EA Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2402LF-LHP+H24).....	195.95	50.48
22 42 39 00-0022	EA Top Cast Kitchen Faucet, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 21987LF).....	253.51	50.48
22 42 39 00-0023	EA Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 21996LF).....	181.28	50.48
22 42 39 00-0024	EA Bottom Mount Kitchen Faucet, Single Handle, Chrome Finish (Delta 101LF-WF).....	174.82	50.48
22 42 39 00-0025	EA Bottom Mount Kitchen Faucet With Spray, Single Handle, Chrome Finish (Delta 175LF-WF).....	206.42	50.48
22 42 39 00-0026	EA Bottom Mount Kitchen Faucet, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2274-LHP+H24).....	352.81	50.48
22 42 39 00-0027	EA Bottom Mount Kitchen Faucet With Spray, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2276-LHP+H24).....	386.75	50.48
22 42 39 00-0028	EA Deck Mount Sink Faucet, 8" Center Set, Lever Handles (Chicago Faucet 1100 ABCP).....	364.78	54.82
22 42 39 00-0029	EA Deck Mount Sink Faucet, 8" Center Set, 4" Wristblade Handles (Chicago Faucet 1100-GN2AE3-317CP).....	363.12	54.82
22 42 39 00-0030	EA Deck Mount Gooseneck Sink Faucet, 4" Center Set, Blade Handles (Chicago Faucet 802-317CP).....	271.80	54.82
22 42 39 00-0031	EA Chrome Single Handle Kitchen Faucet With Integrated Spray (Elkay LKLG1041CR).....	623.68	50.48
22 42 39 00-0032	EA Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041NK).....	788.37	50.48
22 42 39 00-0033	EA Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041RB).....	843.27	50.48
22 42 39 00-0034	EA Chrome Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLG1041CR).....	623.68	50.48
22 42 39 00-0035	EA Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLG1041NK).....	788.37	50.48
22 42 39 00-0036	EA Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLG1041RB).....	843.27	50.48

**22 42 39 00-0037 Lavatory Faucets** (22 42 39)

22 42 39 00-0038	EA Single Handle Centerset Lavatory Faucet, Polished Chrome Finish (Delta Lahara 538-MPU-DST).....	231.37	36.34
22 42 39 00-0039	EA 4" Centerset Lavatory Faucet With Chrome Lever Handle (Delta 501LF-WF).....	161.26	36.34
22 42 39 00-0040	EA 4" Classic Style Centerset Lavatory Faucet With Chrome Lever Handles (Delta 2523LF-MPU).....	199.61	36.34
22 42 39 00-0041	EA 4" Centerset Lavatory Faucet With Chrome Lever Handles (Delta 2529LF-HDM).....	218.74	36.34
22 42 39 00-0042	EA Classic Style Widespread Lavatory Faucet With Chrome Lever Handles (Delta 3530LF-MPU).....	268.14	36.34
22 42 39 00-0043	EA Widespread Lavatory Gooseneck Faucet With Chrome Lever Handles (Delta 3579LF-WFHDF).....	312.02	36.34
22 42 39 00-0044	EA Self Closing/Metered Faucet, Brass, Single Hole, Push Handle (Delta 86T104).....	191.36	36.34
22 42 39 00-0045	EA Self Closing/Metered Faucet, Double Hole, Push Handles (American Standard 1340.225.002).....	290.12	36.34
22 42 39 00-0046	EA Single Inlet, Push Handle Metering Faucet, ADA (Chicago Faucet 333-665).....	209.71	36.34
22 42 39 00-0047	EA 3" Reach, 4-Arm Handle Single Basin Faucet (T&S Brass 0710).....	214.52	36.34
22 42 39 00-0048	EA 3" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0712).....	258.58	36.34
22 42 39 00-0049	EA 4" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0805).....	253.37	36.34
22 42 39 00-0050	EA 4" Classic Style Centerset Lavatory Faucet With Chrome Lever Handles (Zurn Z81104).....	207.41	36.34

**22 42 39 00-0051 Bath And Shower Faucets** (22 42 39)

**22 42 39 00-0052 Bath And Shower Faucets With Valve Body** (22 42 39 00-0051)

22 42 39 00-0053	EA Single Lever Handle Chrome Tub Filler, Pressure-Balance (American Standard T480 500).....	214.97	43.82
22 42 39 00-0054	EA Single Lever Handle, Chrome Shower Only, Pressure-Balance (American Standard T480.501).....	251.14	43.82
22 42 39 00-0055	EA Single Lever Handle, Chrome Shower And Tub Filler, Pressure-Balance (American Standard T480.502).....	274.33	43.82
22 42 39 00-0056	EA Two Lever Handle, Chrome Tub Filler (American Standard Colony Soft 3275.505).....	199.20	43.82
	For Faucet With Metal Cross Handles, Add	45.75	
22 42 39 00-0057	EA Two Lever Handle, Chrome Shower Only (American Standard Colony Soft 3275.501).....	208.47	43.82
	For Faucet With Metal Cross Handles, Add	45.75	
22 42 39 00-0058	EA Two Lever Handle, Chrome Shower And Tub Filler (American Standard Colony Soft 3275.502).....	235.37	43.82
	For Faucet With Metal Cross Handles, Add	45.75	
22 42 39 00-0059	EA Three Lever Handle, Chrome Shower And Tub Filler (American Standard Colony Soft 3375.502).....	265.98	43.82
	For Faucet With Metal Cross Handles, Add	45.75	

**22 42 39 00-0060 Shower Valves And Trim** (22 42 39)

See CSI section 22 41 39 00-0011 for residential shower valves and heads.

22 42 39 00-0061	EA Removable Hand Held Shower With Hose Wall Hook And Inline Vacuum Breaker (Powers 141-318 with 141-319).....	350.78	68.15
22 42 39 00-0062	EA Concealed Thermostatic/Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 2502-600CP).....	775.35	68.15
22 42 39 00-0063	EA Concealed Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 1762-ISCP).....	541.46	68.15
22 42 39 00-0064	EA Senior Institutional Shower Head (Symmons® 4-150).....	209.17	43.82
22 42 39 00-0065	EA Universal Institutional Shower Head (Symmons® 4-151).....	347.29	43.82
22 42 39 00-0066	EA Fre-Flo Institutional Shower Head (Symmons® 4-295).....	245.53	43.82
22 42 39 00-0067	EA Fre-Flo Institutional Shower Head With Short Arm (Symmons® 4-385).....	185.98	43.82
22 42 39 00-0068	EA Wall Mounted Shower Valve And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-300-B30-V-X).....	774.86	65.62

**22 Plumbing**

**22 40 Plumbing Fixtures**

**22 42 Commercial Plumbing Fixtures**



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

22 42 39 00-0069	EA	Wall Mounted Shower Valve, Tub Faucet, And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-400-B30-V-X).....	638.12	75.72
22 42 39 00-0070	EA	Wall Mounted Shower Valve, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-500-B30-V-X).....	839.69	75.72
22 42 39 00-0071	EA	Wall Mounted Shower Valve, Tub Faucet, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-600-B30-V-X).....	1,179.49	80.76
22 42 39 00-0072	EA	Stainless Steel Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-801S/1-802S).....	1,071.83	68.15
		<i>For Hand Spray, Hose And Wall Hooks, Add</i>	106.44	
		<i>For Recessed Soap Dish, Add</i>	108.12	
		<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	165.51	
		<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0073	EA	Stainless Steel Corner Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-807).....	1,273.12	68.15
		<i>For Hand Spray, Hose And Wall Hooks, Add</i>	106.44	
		<i>For Recessed Soap Dish, Add</i>	108.12	
		<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	165.51	
		<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0074	EA	Stainless Steel Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S).....	868.91	68.15
		<i>For Hand Spray, Hose And Wall Hooks, Add</i>	19.32	
		<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	78.39	
		<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0075	EA	Stainless Steel Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-911RS).....	1,308.51	68.15
		<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0076	EA	Stainless Steel Double Outlet Institutional Shower System With Thru-Ceiling Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-902S-FS).....	1,403.26	68.15
		<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	59.07	
		<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0077	EA	Stainless Steel Institutional Triple Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-931).....	2,583.51	68.15
		<i>For Recessed Soap Dish, Add</i>	83.94	
		<i>For Pressure Balance And Metering Combination, Add</i>	227.79	
22 42 39 00-0078	EA	Stainless Steel Institutional Double Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-921).....	2,257.59	68.15
		<i>For Recessed Soap Dish, Add</i>	83.94	
		<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0079	EA	Stainless Steel Tub And Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-941-231).....	1,136.38	68.15
22 42 39 00-0080	EA	Stainless Steel Double Outlet Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Hand Spray, Hose, Wall Hooks, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-912RS-FS).....	1,741.01	68.15
		<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	59.07	
		<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0081	EA	Stainless Steel Single Supply Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-60).....	1,134.86	68.15
22 42 39 00-0082	EA	Stainless Steel Single Supply Single Outlet Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-22-FS).....	1,131.52	68.15
		<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	59.07	
22 42 39 00-0083	EA	Single Lever Handle, Chrome, Pressure-Balance, Shower System (Symmons SafetyMix 1-100-X-3/4).....	834.64	60.57
22 42 39 00-0084	EA	Single Lever Handle, Chrome, Pressure-Balance, Shower Valve (Symmons SafetyMix 4-500).....	644.50	43.82

**22 42 39 00-0085 Service Sink Faucets (22 42 39)**

22 42 39 00-0086	EA	4-5/8" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet With Lever Handles (Kohler® Kinlock™).....	462.37	84.05
22 42 39 00-0087	EA	3" Spout, Wall Mount, Service Sink Faucet With Lever Handles (American Standard 8340.235).....	333.06	84.05
22 42 39 00-0088	EA	3" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet With Lever Handles (American Standard 8340.243).....	358.10	84.05
22 42 39 00-0089	EA	6" Spout With Vacuum Breaker And Top Brace, Wall Mount Service Sink Faucet, Lever Handles (American Standard 8344.012).....	371.09	84.05
22 42 39 00-0090	EA	7-1/4" Spout With Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8355.101).....	485.56	117.81
22 42 39 00-0091	EA	7-1/4" Spout With Vacuum Break And Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8355.110).....	544.20	134.27
22 42 39 00-0092	EA	11" Spout With Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8345.115).....	625.83	134.27
22 42 39 00-0093	EA	Wall Mount Service Sink Faucet With Atmospheric Vacuum Breaker Spout, Lever Handles (Chicago Faucet 305-VBRFC).....	368.35	84.05
22 42 39 00-0094	EA	44" Flexible Stainless Steel Hose With Insulated Handle, 23" Riser, Pre-Rinse Faucet (Chicago Faucet 923-XKCAB).....	749.02	134.27

**22 42 39 00-0095 Laboratory Faucets And Fittings (22 42 39)**

22 42 39 00-0096	EA	Cold Faucet, Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Laboratory Faucet (Chicago Faucet 927).....	187.82	35.74
22 42 39 00-0097	EA	Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet (Chicago Faucet 929).....	306.62	50.48
22 42 39 00-0098	EA	Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet With Vacuum Breaker (Chicago Faucet 930).....	395.88	50.48
22 42 39 00-0099	EA	Cold Wall Mount, Gooseneck Spout With Aerator, Laboratory Faucet (Chicago Faucet 933).....	245.08	47.14
22 42 39 00-0100	EA	6" Spout With Aerator, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 940).....	333.36	67.24

MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

22 42 39 00-0101	EA	6" Spout With Aerator And Vacuum Breaker, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 940-VBE7-CP) .....	449.75	67.24
22 42 39 00-0102	EA	Dual Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet (Chicago Faucet 946) .....	359.45	50.48
22 42 39 00-0103	EA	Gooseneck Spout With Aerator, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 942) .....	354.51	67.24
22 42 39 00-0104	EA	Single Control, Single Hole Deck Mount Sink Faucet (Chicago Faucet 350-CP) .....	231.66	38.81
22 42 39 00-0105	EA	Dual Control, Single Hole Deck Mount Sink Faucet (Chicago Faucet 50-CP) .....	326.39	54.82
22 42 39 00-0106	EA	4" Center Set, Deck Mount, Lavatory Faucet With Blade Handles (Chicago Faucet 802) .....	252.63	54.82
22 42 39 00-0107	EA	4" Center Set, Deck Mount, Gooseneck Sink Faucet With Blade Handles (Chicago Faucet 895-317CP) .....	307.37	54.82
22 42 39 00-0108	EA	Gas Ball Valve, Removable Nozzle, With Index Button (Chicago Faucet 909-AGVCP) .....	82.02	33.72
22 42 39 00-0109	EA	Dual Service Lab Fitting, Two Gas And One Water Outlet (Chicago Faucet 1332-CP) .....	496.84	60.57
22 42 39 00-0110	EA	Dual Service Lab Fitting With Wristblade Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-317CP) .....	637.46	60.57
22 42 39 00-0111	EA	Dual Service Lab Fitting With Metal Cross Handle, Inline Vacuum Breaker, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7-204CP) .....	765.56	60.57
22 42 39 00-0112	EA	Dual Service Lab Fitting With Plastic Cross Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7CP) .....	677.59	60.57
22 42 39 00-0113	EA	Dual Service Lab Fitting With Chemical Resistant Coating And Plastic Cross Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7SAM) .....	805.86	60.57
22 42 39 00-0114	EA	Single, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-131WSA) .....	135.34	33.32
22 42 39 00-0115	EA	90 Degree Double, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-132AWSA) .....	188.72	39.98
22 42 39 00-0116	EA	180 Degree Double, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-132SWSA) .....	188.72	39.98
22 42 39 00-0117	EA	Three Way, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-133WSA) .....	242.10	46.64
22 42 39 00-0118	EA	Four Way, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-134WSA) .....	295.48	53.30
<b>22 42 39 00-0119    Gooseneck Faucets With Independent Eyewash (22 42 39)</b>				
22 42 39 00-0120	EA	Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA) .....	812.73	37.86
22 42 39 00-0121	EA	Single Lever Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-SL) .....	881.20	35.33
22 42 39 00-0122	EA	8" Stem, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-8) .....	1,137.74	37.86
22 42 39 00-0123	EA	Serrated Tip With Vacuum Breaker, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-ST) .....	1,201.71	37.86
22 42 39 00-0124	EA	Thermostatic Mixing Valve Kit For The SEF-1800 (Speakman SEF-TW) .....	1,460.30	25.24
22 42 39 00-0125	EA	Foot Pedal Activation, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-FP) .....	1,759.36	63.10
22 42 39 00-0126	EA	Thermostatic Mixing Valve Kit, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-TW) .....	2,457.29	63.10
22 42 39 00-0127	EA	8" Stem, Thermostatic Mixing Valve Kit, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-8TW) .....	2,538.71	63.10
22 42 39 00-0128	EA	Adjustable Aerated Outlet Heads, Gooseneck Faucet Mounted Eyewash (WaterSaver EW101) .....	257.34	38.37
22 42 39 00-0129	EA	Gooseneck Faucet Mounted Eyewash With Faucet Control Valve (WaterSaver EW200) .....	282.23	38.37
22 42 39 00-0130	EA	Gooseneck Faucet Mounted Eyewash With Faucet Control Valve (WaterSaver EW201) .....	303.97	38.37
22 42 39 00-0131	EA	6 Gallon Capacity, Tempering Valve (WaterSaver AP3600) .....	1,303.60	25.24
<b>22 42 39 00-0132    Bubblers And Glass Fillers (22 42 39)</b>				
22 42 39 00-0133	EA	Self-Closing Bubbler Faucet, Metering Handle (Chicago Faucet 748-665CP) .....	328.82	35.74
22 42 39 00-0134	EA	Wall Mount Glass Filler, 1/2" Flanged Female Inlet (Chicago Faucet 313-CP) .....	294.46	47.14
22 42 39 00-0135	EA	7" Overall Outlet Height, Deck Mount Glass Filler, 1/2" Flanged Female Inlet (Chicago Faucet 709-CP) .....	324.38	35.74
22 42 39 00-0136	EA	Wall Mount, Push Button Single Glass Filler (Chicago Faucet 324-CP) .....	203.09	51.19
22 42 39 00-0137	EA	Deck Mount, Lever Handle Drinking Faucet (Haws 5054LF) .....	384.62	38.81
22 42 39 00-0138	EA	Push Button Bubbler, 1/2" OD (Haws 5017LF) .....	389.72	38.81
22 42 39 00-0139	EA	Push Button Bubbler, 3/8" NPT (Haws 5010-6427) .....	325.25	38.81
<b>22 42 39 00-0140    Automatic Electronic Sensor Faucets (22 42 39)</b>				
22 42 39 00-0141	EA	Electronic Lavatory Faucet (American Standard 6055.205.002) .....	602.99	84.20
		<i>For Faucet With Temperature Control, Add</i>	<i>40.00</i>	
22 42 39 00-0142	EA	Electronic Lavatory Gooseneck Faucet (American Standard 6055.105.002) .....	608.56	84.20
		<i>For Faucet With Temperature Control, Add</i>	<i>40.00</i>	
22 42 39 00-0143	EA	Electronic Gooseneck Faucet (Chicago Faucet 116.103.AB.1) .....	813.83	91.43
22 42 39 00-0144	EA	Electronic Lavatory Faucet (Chicago Faucet 116.112.AB.1) .....	847.17	84.20
22 42 39 00-0145	EA	Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880) .....	1,254.57	91.43
22 42 39 00-0146	EA	Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880-BDT) .....	1,568.20	91.43
22 42 39 00-0147	EA	Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-35187) .....	1,465.35	91.43
22 42 39 00-0148	EA	Solar Powered, Electronic Lavatory Faucet With Integral Mixing Valve (Sloan Solis EAF-275-ISM) .....	1,024.95	84.20
22 42 39 00-0149	EA	Deck Mount, AC Power, Electronic Lavatory Faucet (T&S Brass EC1100) .....	857.43	84.20
22 42 39 00-0150	EA	Wall Mount, AC Power, Electronic Lavatory Faucet (T&S Brass EC1101) .....	905.12	84.20
22 42 39 00-0151	EA	Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC1102) .....	785.90	84.20
22 42 39 00-0152	EA	Deck Mount, DC Power, Electronic Lavatory Faucet (T&S Brass EC2100) .....	905.12	84.20
22 42 39 00-0153	EA	Deck Mount, DC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC2102) .....	792.54	84.20
22 42 39 00-0154	EA	Deck Mount, AC Power, Electronic Lavatory Gooseneck Faucet (T&S Brass EC3100) .....	792.54	84.20
22 42 39 00-0155	EA	Wall Mount, AC Power, Electronic Lavatory Gooseneck Faucet (T&S Brass EC3101) .....	890.59	84.20
22 42 39 00-0156	EA	Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC3102) .....	757.41	84.20
22 42 39 00-0157	EA	4" Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC3103) .....	727.33	84.20
22 42 39 00-0158	EA	Self-Generating EcoPower System, Single Supply Sensor Faucet, Standard Spout (Toto "Eco-Power" TEL3GKCN-60) .....	1,225.42	84.20
<b>22 42 39 00-0159    Removal And Reinstallation Of Fixtures And Trim (22 42 39)</b>				
		Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 39 00-0160	EA	Removal And Reinstallation Of Faucet .....	87.70	
<b>22 42 43    Flushometers (22 42)</b>				

**22 Plumbing**  
**22 40 Plumbing Fixtures**  
**22 42 Commercial Plumbing Fixtures**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 42 43 00-0001 Water Closet Flush Valves (22 42 43)</b>					
	22 42 43 00-0002	EA	Exposed Manual Water Closet Flush Valve (Sloan Regal-115XL).....	271.66	34.43
	22 42 43 00-0003	EA	Exposed Manual Water Closet Flush Valve (Sloan Regal-113-1.6).....	263.39	34.43
	22 42 43 00-0004	EA	Exposed Manual Water Closet Flush Valve (Sloan Regal-110 Or 111).....	305.43	34.43
	22 42 43 00-0005	EA	Back Spud, Concealed Manual Water Closet Flush Valve (Sloan Royal-140).....	421.35	34.43
	22 42 43 00-0006	EA	Top Spud, Concealed Manual Water Closet Flush Valve (Sloan Royal-142).....	468.75	34.43
	22 42 43 00-0007	EA	Exposed Infrared Water Closet Flush Valve (Sloan Royal 115-1.6 ES-S).....	857.91	34.43
	22 42 43 00-0008	EA	Concealed Infrared Water Closet Flush Valve, Back Spud (Sloan Royal-140 ES-S).....	858.99	34.43
	22 42 43 00-0009	EA	Concealed Infrared Water Closet Flush Valve, Top Spud (Sloan Royal-153-1.6-ES-S).....	906.80	34.43
	22 42 43 00-0010	EA	Exposed Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8113).....	842.61	34.43
	22 42 43 00-0011	EA	Dual Flush Water Closet Flush Valve (Sloan Uppercut WES-115)..... Note: "Green". 1.6 Gallons or 1.1 Gallons per flush. Includes instructional placards on proper operation.	372.99	34.43
	22 42 43 00-0012	EA	Exposed Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8110).....	694.28	34.43
	22 42 43 00-0013	EA	Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima EBV-89A).....	368.69	34.43
	22 42 43 00-0014	EA	Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 40118X).....	365.42	34.43
	22 42 43 00-0015	EA	Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima Smooth EBV-200A).....	368.69	30.28
	22 42 43 00-0016	EA	Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 40180X).....	400.90	30.28
	22 42 43 00-0017	EA	1.28 GPF, Exposed Infrared Water Closet Flush Valve (Toto EcoPower TET1LN).....	870.27	34.43
	22 42 43 00-0018	EA	Exposed Infrared Water Closet Flush Valve (1-1/2" V.B.) 1.28 GPF (Toto EcoPower TET1LN32).....	953.59	34.43
	22 42 43 00-0019	EA	1.28 GPF, Back Spud, Concealed Infrared Water Closet Flush Valve (Toto EcoPower TET2LN31 Or TET3LN31).....	1,213.14	34.43
	22 42 43 00-0020	EA	1.28 GPF, Top Spud, Concealed Infrared Water Closet Flush Valve (Toto EcoPower TET2LN32 Or TET3LN32).....	1,213.14	34.43
	22 42 43 00-0021	EA	Exposed Infrared Water Closet Flush Valve (Zurn ZEMS6000AV-HET-IS).....	787.62	34.43
	22 42 43 00-0022	EA	Exposed Infrared Water Closet Flush Valve (Zurn ZTS6200EV).....	780.58	34.43
	22 42 43 00-0023	EA	Slide Over Handle AC Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan EL-600-A).....	386.87	30.28
	22 42 43 00-0024	EA	6 Volt DC, 120 Volt AC Hardwired Power Transformer (Sloan EL-451).....	119.78	5.43
	22 42 43 00-0025	EA	Exposed Solar/Battery Powered Water Closet Flush Valve (Sloan Solis 8111-1.28).....	547.59	34.43
	22 42 43 00-0026	EA	Exposed Manual Water Closet Flush Valve (Zurn Z6000AV-HET).....	292.31	34.43
	22 42 43 00-0027	EA	Exposed Battery Powered Water Closet Flush Valve (Zurn ZER6000AV-HET).....	802.26	34.43
<b>22 42 43 00-0028 Urinal Flush Valves (22 42 43)</b>					
	22 42 43 00-0029	EA	3/4" Top Spud, Exposed Manual Urinal Flush Valve (Sloan Regal 186 XL)..... Note: 0.5, 1.0 or 1.5 GPF.	237.50	34.43
	22 42 43 00-0030	EA	1-1/4" Top Spud, Exposed Manual Urinal Flush Valve (Sloan Regal 180)..... Note: 1.0, 1.5 or 3.5 GPF.	255.88	34.43
	22 42 43 00-0031	EA	Back Spud, Concealed Manual Urinal Flush Valve (Sloan Royal 195)..... Note: 1.0 or 1.5 GPF.	343.71	34.43
	22 42 43 00-0032	EA	Top Spud, Concealed Manual Urinal Flush Valve (Sloan Royal 197)..... Note: 1.0 or 1.5 GPF.	416.06	34.43
	22 42 43 00-0033	EA	Exposed Infrared Urinal Flush Valve (Sloan Royal 186-ES-S)..... Note: 1.0 or 1.5 GPF.	654.57	34.43
	22 42 43 00-0034	EA	Back Spud, Concealed Infrared Urinal Flush Valve (Sloan Royal 195-WB-ES-S)..... Note: 0.5, 1.0 or 1.5 GPF.	879.71	34.43
	22 42 43 00-0035	EA	Top Spud, Concealed Infrared Urinal Flush Valve (Sloan Royal 197-WB-ES-S)..... Note: 0.5, 1.0 or 1.5 GPF.	986.94	34.43
	22 42 43 00-0036	EA	Top Spud, Exposed Battery Powered Urinal Flush Valve (Sloan G2 Opt+8186-1)..... Note: 1.0 GPF.	643.80	34.43
	22 42 43 00-0037	EA	Foot Operated Flush Valve..... Note: Can be used for water closets.	727.32	34.43
	22 42 43 00-0038	EA	Exposed Infrared Urinal Flush Valve (3/4" V.B.) (Toto EcoPower TEU1LN12)..... Note: 0.5 GPF.	948.23	34.43
	22 42 43 00-0039	EA	Top Spud, Exposed Solar/Battery Powered Urinal Flush Valve (Sloan Solis 8186-0.13)..... Note: 0.13 GPF.	497.11	34.43
	22 42 43 00-0040	EA	3/4" Top Spud, Exposed Manual Urinal Flush Valve (Zurn Z6003AV-ULF)..... Note: 0.125 GPF.	272.00	34.43
	22 42 43 00-0041	EA	Top Spud, Exposed Battery Powered Urinal Flush Valve (Zurn ZTR6203-ULF)..... Note: 0.125 GPF.	694.34	34.43
	22 42 43 00-0042	EA	Exposed Infrared Urinal Flush Valve (Zurn ZEMS6003AV-ULF-IS)..... Note: 0.125 GPF.	700.05	34.43
<b>22 42 43 00-0043 Removal And Reinstallation Of Fixtures And Trim (22 42 43)</b>					
	22 42 43 00-0044	EA	Removal And Reinstallation Of Flush Valve..... Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.	137.03	
<b>22 42 43 00-0045 Plumbing Control Transformers (22 42 43)</b>					
	22 42 43 00-0046	EA	6 Volt DC, 120 Volt AC Plug In Style Power Transformer (Zurn P6000-PC6).....	54.92	
<b>22 42 46 Chemical Toilets (22 42)</b>					
Note: Includes toilet, urinal, holding tank, and ventilation system. Building to be priced separately.					
<b>22 42 46 00-0001 Standard Chemical Toilets (22 42 46)</b>					
<b>22 42 46 00-0002 Small Tank Chemical Toilets (22 42 46 00-0001)</b>					
	22 42 46 00-0003	EA	Chemical Toilet, Small Tank 7,000 Uses/Year..... For Extra Urinal, Add	4,198.61 137.19	1,009.54
<b>22 42 46 00-0004 Medium Tank Chemical Toilets (22 42 46 00-0001)</b>					
	22 42 46 00-0005	EA	Chemical Toilet, Medium Tank 13,000 Uses/Year..... For Extra Urinal, Add	4,989.20 162.40	1,202.37

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

**22 42 46 00-0006 Large Tank Chemical Toilets (22 42 46 00-0001)**

22 42 46 00-0007	EA	Chemical Toilet, Large Tank 28,000 Uses/Year For Extra Urinal, Add	6,028.67 221.29	1,363.89
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**22 43 Healthcare Plumbing Fixtures (22 40)**

**22 43 13 Healthcare Water Closets (22 43)**

**22 43 13 00-0001 Healthcare Water Closets (22 43 13)**

22 43 13 00-0002	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Priolo® ADA)	752.65	104.99
22 43 13 00-0003	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Madera™ ADA)	620.28	104.99

**22 43 16 Healthcare Sinks (22 43)**

**22 43 16 00-0001 Healthcare Sinks (22 43 16)**

Note: Includes trap, drain and supply valves. Excludes faucets and flush valves.

22 43 16 00-0002	EA	25" x 21", Wall Mounted, Blow Out Flushing Rim, Vitreous China Clinic Service Sink (American Standard)	1,207.24	67.64
22 43 16 00-0003	EA	29" x 20", Floor Mounted, Siphon Jet Flushing Rim, Vitreous China Clinic Service Sink (American Standard)	1,296.61	194.34
22 43 16 00-0004	EA	28" x 22", Wall Mounted, Vitreous China Surgeon's Scrub Sink (American Standard) For Painted Bracket Supports, Add	1,159.42 26.92	67.64
22 43 16 00-0005	EA	20" x 17", Wall Mounted, Vitreous China Intensive Care Unit Sink (American Standard)	1,015.98	67.64

**22 43 16 00-0006 Surgical Scrub Sinks (22 43 16)**

22 43 16 00-0007	EA	25" Wide x 20" Deep x 43" High Single Surgical Scrub Sink (FHCSS25-IR) Note: Features infra red sensor operated water, under counter mixing valve, swivel gooseneck spout with aerator. Unit will be supported by a z-bracket and main support bracket supplied with the sink.	4,293.15	151.43
22 43 16 00-0008	EA	32" Wide x 27-1/2" Deep x 37-1/8" High Single Surgical Scrub Sink (FHCSS32) Note: Features knee operated water and soap, adjustable water temperature, faucet with rose spray aerator, wall mounted or free standing, large scrub area, sloped bottom to minimize splash. Unit will be supported by a z-bracket and two main brackets supplied with the sink. It is recommended that a chair carrier be used for support. 14 gauge 304 SS and skirts are 16 gauge 304 SS.	6,575.59	201.91
22 43 16 00-0009	EA	32" Wide x 27-1/2" Deep x 37-1/8" High Single Surgical Scrub Sink (FHCSS32-IR) Note: Features infra red sensor operated water, adjustable water temperature, faucet with rose spray aerator, wall mounted or free standing, large scrub area, sloped bottom to minimize splash. Unit will be supported by a z-bracket and two main brackets supplied with the sink. It is recommended that a chair carrier be used for support. 14 gauge 304 SS and skirts are 16 gauge 304 SS.	6,575.59	201.91
22 43 16 00-0010	EA	64" Wide x 27-1/2" Deep x 37-1/8" High Double Surgical Scrub Sink (FHCSS64) Note: Features knee operated water and soap, adjustable water temperature, faucet with rose spray aerator, wall mounted or free standing, large scrub area, sloped bottom to minimize splash. Unit will be supported by a z-bracket and two main brackets supplied with the sink. It is recommended that a chair carrier be used for support. 14 gauge 304 SS and skirts are 16 gauge 304 SS.	8,676.23	252.39
22 43 16 00-0011	EA	64" Wide x 27-1/2" Deep x 37-1/8" High Double Surgical Scrub Sink (FHCSS64-IR) Note: Features infra red sensor operated water, adjustable water temperature, faucet with rose spray aerator, wall mounted or free standing, large scrub area, sloped bottom to minimize splash. Unit will be supported by a z-bracket and two main brackets supplied with the sink. It is recommended that a chair carrier be used for support. 14 gauge 304 SS and skirts are 16 gauge 304 SS.	8,676.23	252.39
22 43 16 00-0012	EA	96" Wide x 27-1/2" Deep x 37-1/8" High Triple Surgical Scrub Sink (FHCSS96) Note: Features knee operated water and soap, adjustable water temperature, faucet with rose spray aerator, wall mounted or free standing, large scrub area, sloped bottom to minimize splash. Unit will be supported by a z-bracket and two main brackets supplied with the sink. It is recommended that a chair carrier be used for support. 14 gauge 304 SS and skirts are 16 gauge 304 SS.	11,322.24	302.86
22 43 16 00-0013	EA	96" Wide x 27-1/2" Deep x 37-1/8" High Triple Surgical Scrub Sink (FHCSS96-IR) Note: Features infra red sensor operated water, adjustable water temperature, faucet with rose spray aerator, wall mounted or free standing, large scrub area, sloped bottom to minimize splash. Unit will be supported by a z-bracket and two main brackets supplied with the sink. It is recommended that a chair carrier be used for support. 14 gauge 304 SS and skirts are 16 gauge 304 SS.	11,322.24	302.86
22 43 16 00-0014	EA	Single Chair Carrier (FHC P-617106-846)	469.56	75.72
22 43 16 00-0015	EA	Double Chair Carrier (FHC P-617106-851)	497.84	80.76
22 43 16 00-0016	EA	Triple Chair Carrier (FHC P-617106-852)	544.30	85.81
22 43 16 00-0017	EA	60" Wide x 23" Deep x 38-1/4" High, 2.2 GPM, Laminar Flow Spray Head, Chrome Color Finish, Wall Mounted, Stainless Steel Scrub Sink (Sloan ESS-2100-C)	10,396.39	100.95

**22 43 39 Healthcare Faucets (22 43)**

**22 43 39 00-0001 Medical Faucet Spouts (22 43 39)**

22 43 39 00-0002	EA	Deck Mounted, Rigid Gooseneck Medical Lavatory Spout (American Standard 7522)	99.53	15.15
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**22 43 39 00-0003 Centerset Medical Faucets (22 43 39)**

22 43 39 00-0004	EA	Rigid Gooseneck Centerset Medical Lavatory Faucet, 8" Centers 6" Wrist Action Handles, Adjustable Centers (T&S B-0865-04)	513.99	74.10
22 43 39 00-0005	EA	Swivel Gooseneck Centerset Medical Lavatory Faucet, 8" Centers, 6" Wrist Action Handles, Adjustable Centers (T&S B-0866-04)	519.79	74.10
22 43 39 00-0006	EA	Swivel Gooseneck Centerset Medical Lavatory Faucet With Aerator 8" Centers, 6" Wrist Action Handles, Adjustable Centers (T&S B-0867-04)	519.20	74.10
22 43 39 00-0007	EA	Surgical Sink Rigid Gooseneck Faucets, 8" Centers, 6" Wrist Action Handles (T&S B-0322-04)	464.13	74.10
22 43 39 00-0008	EA	Surgical Sink Rigid Gooseneck Faucets With Stream Regulator Outlet, 8" Centers, 6" Wrist Action Handles (T&S B-0323-04)	444.42	74.10

**22 Plumbing**  
**22 40 Plumbing Fixtures**  
**22 43 Healthcare Plumbing Fixtures**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
22 43 39 00-0009	<b>Electronic Proximity Medical Faucets</b> (22 43 39)		
22 43 39 00-0010	EA DC Or Plug-In AC Powered, Single Inlet, Electronic Proximity Medical Lavatory Faucet (American Standard Selectronic™ ICU).....	570.35	74.10
22 43 39 00-0011	<b>Bedpan Washers</b> (22 43 39)		
22 43 39 00-0012	EA Self Closing Pedal Valve Bed Pan Washer, With Volume Control, Vacuum Breaker, Wall Hook Hose Connection, Polyvinyl Chloride Hose (T&S B-0675).....	1,217.37	134.67
22 43 39 00-0013	EA Pedal Valve Bed Panwasher With Volume Control Valve, Vacuum Breaker, Wall Hook Hose Connection, Extended Spray Polyvinyl Chloride Hose (T&S B-0676).....	1,156.67	134.67
22 43 39 00-0014	EA Self Closing Single Pedal Valve Bedpan Washer With Volume Control, Vacuum Breaker, Wall Hook Hose Connection Polyvinyl Chloride Hose (T&S B-0685).....	1,138.69	134.67
22 43 39 00-0015	EA Single Pedal Valve Bedpan Washer With Volume Control, Vacuum Breaker, Wall Hook Hose Connection, Polyvinyl Chloride Hose, Extended Spray (T&S B-0686).....	1,121.20	134.67
22 43 39 00-0016	<b>Foot And Knee Faucet Controls</b> (22 43 39)		
22 43 39 00-0017	EA Single Supply Metering Pedal Valve (Chicago Faucet 628).....	384.31	134.67
22 43 39 00-0018	EA Double Supply Metering Pedal Valve (Chicago Faucet 625).....	448.31	134.67
22 43 39 00-0019	EA Knee Actuated Metering Mixing Valve (Chicago Faucet 745-VOCP).....	941.67	134.67
22 43 43	<b>Healthcare Plumbing Fixture Flushometers</b> (22 43)		
22 43 43 00-0001	<b>Healthcare Plumbing Fixture Flushometers</b> (22 43 43)		
22 43 43 00-0002	EA Exposed Manual Service Sink Flush Valve (Sloan Royal-117).....	226.66	34.43
22 43 43 00-0003	EA Exposed Manual Water Closet Flush Valve With Bedpan Washer (Sloan Slimline BPW).....	505.68	34.43
22 43 46	<b>Healthcare Patient Care Units</b> (22 43)		
22 43 46 00-0001	<b>Patient Care Units</b> (22 43 46)		
22 43 46 00-0002	EA 47" Swivel Toilet Modular Sink And Water Closet Patient Care Unit (Willoughby WH-1700-AQCT-WB-BWSEV) .....	16,088.90	201.91
	For SDB Single Temperature Dialysis Box, Add	1,170.73	
	For DDB Dual Temperature Dialysis Box, Add	1,243.44	
	For BWSEV Bedpan Washer With Elevated Valve, Add	921.86	
	For LOCK Flush Valve Lockout Device, Add	659.90	
22 43 46 00-0003	EA 31" Swing Front Cabinet Modular Sink And Water Closet Patient Care Unit (Willoughby WH-2600-SST-DC-AQCT-WB) .....	12,683.01	176.67
	For SDB Single Temperature Dialysis Box, Add	1,170.73	
	For DDB Dual Temperature Dialysis Box, Add	1,243.44	
	For BWSEV Bedpan Washer With Elevated Valve, Add	921.86	
	For LOCK Flush Valve Lockout Device, Add	659.90	
22 43 46 00-0004	<b>Patient Care Plumbing Accessories</b> (22 43 46)		
22 43 46 00-0005	EA One Valve Supply Recessed Stainless Steel Dialysis Box With Locking Door (Bradley 7920).....	1,531.72	27.41
22 43 46 00-0006	EA Two Valve Supply Recessed Stainless Steel Dialysis Box With Locking Door (Bradley 7919).....	1,686.97	27.41
22 45	<b>Emergency Plumbing Fixtures</b> (22 40)		
22 45 13	<b>Emergency Showers</b> (22 45)		
22 45 13 00-0001	<b>Emergency Drench Showers</b> (22 45 13)		
22 45 13 00-0002	<b>Emergency Drench Showers (Haws)</b> (22 45 13 00-0001) Note: Includes one pull rod.		
22 45 13 00-0003	EA Horizontal Or Vertical Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8122) .....	665.30	176.67
22 45 13 00-0004	EA Horizontal Or Vertical Mounted, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8123) .....	762.12	176.67
22 45 13 00-0005	EA Horizontal Mounted, Barrier-Free, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8122HWC).....	815.90	176.67
22 45 13 00-0006	EA Horizontal Or Vertical Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8130) .....	977.26	176.67
22 45 13 00-0007	EA Horizontal Mounted, All Stainless Steel, Corrosion Resistant, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8133H).....	1,310.74	176.67
22 45 13 00-0008	EA Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8100) .....	1,038.50	201.91
22 45 13 00-0009	EA Wall Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Stainless Steel Push Flag (Haws 8111FP).....	1,137.38	227.15
22 45 13 00-0010	EA Flush To Ceiling, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8169).....	1,035.18	227.15
22 45 13 00-0011	EA Concealed Ceiling Supply, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8163) .....	1,056.70	227.15
22 45 13 00-0012	EA Flush To Ceiling, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead And Pull Down Lever Ball Valve Mounted In A Recessed Stainless Steel Cabinet (Haws 8164) .....	1,460.09	227.15
22 45 13 00-0013	<b>Emergency Drench Showers (Speakman)</b> (22 45 13 00-0001) Note: Includes one pull rod.		
22 45 13 00-0014	EA Vertical Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-220).....	577.61	176.67
22 45 13 00-0015	EA Horizontal Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-227).....	594.36	176.67
22 45 13 00-0016	EA Floor Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-253).....	925.87	201.91
22 45 13 00-0017	<b>Emergency Drench Showers (WaterSaver)</b> (22 45 13 00-0001) Note: Includes one pull rod.		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 13 00-0018 EA Emergency Shower, Vertically Mounted (WaterSaver ES635).....	716.31	176.67
22 45 13 00-0019 EA Emergency Shower, Horizontally Mounted (WaterSaver ES643).....	732.19	176.67
22 45 13 00-0020 EA All-Stainless Steel, Emergency Shower, Horizontally Mounted (WaterSaver ES691).....	1,509.52	176.67
22 45 13 00-0021 EA Emergency Shower, Recess Mounted (WaterSaver ES629).....	1,121.68	227.15
22 45 13 00-0022 EA Emergency Shower, Semi-Concealed (WaterSaver ES658).....	1,480.82	227.15
<b>22 45 13 00-0023 Emergency Drench Showers (Guardian)</b> <small>(22 45 13 00-0001)</small>		
22 45 13 00-0024 EA 11-3/4" Bowl Diameter, 20 GPM, 2 Spray Heads, Height Impact Plastic, Flip Top Dust Covers, Pull Handle Activator, Emergency Wash Station Drench Shower (Guardian G1902P).....	1,111.08	201.91
<b>22 45 13 00-0025 Emergency Drench Showers (Hughes)</b> <small>(22 45 13 00-0001)</small>		
22 45 13 00-0026 EA 41-5/16" Length x 40-13/16" Width x 94-13/16" Height, Covered ABS Eye/Face Wash, Emergency Cubicle Shower (Hughes SD32K45G).....	9,160.92	201.91
22 45 13 00-0027 EA 30-13/16" Length x 19-13/16" Width x 103" Height, Floor Mounted, Closed ABS Bowl, Galvanized Pipe, Top Inlet, Floor Mounted, Emergency Shower Station (Hughes 18G45GT).....	1,503.82	201.91
<b>22 45 16 Eyewash Equipment</b> <small>(22 45)</small>		
<b>22 45 16 00-0001 Emergency Eyewash Equipment</b> <small>(22 45 16)</small>		
<b>22 45 16 00-0002 Emergency Eyewash Equipment (Haws)</b> <small>(22 45 16 00-0001)</small>		
22 45 16 00-0003 EA Faucet Mounted, Stainless Steel Emergency Eyewash (Haws Axion® eyePOD® 7620).....	289.79	5.05
22 45 16 00-0004 EA Wall Mounted, Freeze Protected, Emergency Eye Wash With Soft-Flo Heads And Stainless Steel Bowl (Haws 7433FP).....	1,374.03	227.15
<b>22 45 16 00-0005 Emergency Eyewash Equipment (WaterSaver)</b> <small>(22 45 16 00-0001)</small>		
22 45 16 00-0006 EA Auto Flow, Right Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW805).....	672.91	50.48
22 45 16 00-0007 EA Auto Flow, Left Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW805LH).....	672.91	50.48
22 45 16 00-0008 EA Right Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW806).....	684.93	50.48
22 45 16 00-0009 EA Left Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW806LH).....	684.93	50.48
22 45 16 00-0010 EA Stainless Steel Bowl, Emergency Eye Wash, Deck Mounted (WaterSaver EW822).....	905.72	50.48
22 45 16 00-0011 EA Swing-Down, Auto Flow, Emergency Eye Wash, Wall Mounted (WaterSaver EW848).....	1,030.10	50.48
22 45 16 00-0012 EA Swing-Down, Auto Flow, Emergency Eye Wash, Deck Mounted (WaterSaver EW849).....	1,030.10	50.48
22 45 16 00-0013 EA Right Hand Mounting, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW893).....	1,897.61	50.48
22 45 16 00-0014 EA Left Hand Mounting, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW893LH).....	1,897.61	50.48
22 45 16 00-0015 EA Right Hand Mounting, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW895).....	1,985.13	50.48
22 45 16 00-0016 EA Left Hand Mounting, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW895LH).....	1,985.13	50.48
22 45 16 00-0017 EA Swing-Down, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Wall Mounted (WaterSaver EW898).....	2,445.68	50.48
22 45 16 00-0018 EA Swing-Down, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW899).....	2,445.68	50.48
22 45 16 00-0019 EA Ball Valve With Flag Handle, Emergency Eye Wash, Recess Deck Mounted (WaterSaver EW808).....	1,260.86	176.67
22 45 16 00-0020 EA Push-Down Valve, Emergency Eye Wash, Recess Deck Mounted (WaterSaver EW810).....	1,243.89	176.67
22 45 16 00-0021 EA Stainless Steel Bowl, Emergency Eye Wash, Wall Mounted (WaterSaver EW814).....	909.29	176.67
22 45 16 00-0022 EA Stainless Steel Bowl And Cover, Emergency Eye Wash, Wall Mounted (WaterSaver EW814BC).....	1,262.15	176.67
22 45 16 00-0023 EA Plastic Bowl, Emergency Eye Wash, Wall Mounted (WaterSaver EW814P).....	783.32	176.67
<b>22 45 16 00-0024 Emergency Eyewash Equipment (Fendall)</b> <small>(22 45 16 00-0001)</small>		
22 45 16 00-0025 EA 7 Gallon Capacity, 15-minute Constant Flow, Plastic, Mounted Eyewash Station (Fendall H-3838).....	617.82	54.82
Note: Includes emergency sign, installation DVD, mounting bracket and tamper seal		
<b>22 45 16 00-0026 Emergency Eyewash Equipment (Porta Stream)</b> <small>(22 45 16 00-0001)</small>		
22 45 16 00-0027 EA 26" Height x 20" Width x 20" Depth, 16 Gallon Capacity, Eyewash Station (Porta Stream II H-1142).....	458.12	36.50
<b>22 45 16 00-0028 Emergency Eyewash Equipment (Pure Flow)</b> <small>(22 45 16 00-0001)</small>		
22 45 16 00-0029 EA 30" Height x 29" Width x 23" Depth, 0.4 GPM Constant Flow, 7 Gallon Capacity, Eyewash Station (Pure Flow 1000 H-1297).....	593.62	54.82
<b>22 45 16 00-0030 Emergency Eyewash Equipment (U-Line)</b> <small>(22 45 16 00-0001)</small>		
22 45 16 00-0031 EA 11-1/2" Bowl Diameter, Twin Spray Heads, Flip-top Dust Covers, Plastic, Mounted Eyewash Station (U-Line H-5457).....	668.40	219.25
Note: Includes emergency sign and inspection tag		
22 45 16 00-0032 EA 11-1/2" Bowl Diameter, Twin Spray Heads, Flip-top Dust Covers, Stainless Steel, Mounted Eyewash Station (U-Line H-5795).....	752.00	219.25
Note: Includes emergency sign and inspection tag		
22 45 16 00-0033 EA 20" Height x 11" Width x 14" Depth, 3-minute Constant Flow, 1 Gallon Capacity, Pull Strap Activation, Wall Mounted Or Tabletop Use Flash Flood Eyewash Station (U-Line H-7917).....	237.02	36.50
22 45 16 00-0034 EA 1" Head Diameter, Single Faucet With Easy Pull-knob, Faucet Mounted Eyewash Station (U-Line H-5100).....	133.30	18.31
<b>22 45 23 Personal Eyewash Equipment</b> <small>(22 45)</small>		
<b>22 45 23 00-0001 Portable Eyewash Equipment</b> <small>(22 45 23)</small>		
<b>22 45 23 00-0002 Portable Eyewash Equipment (Bradley)</b> <small>(22 45 23 00-0001)</small>		
22 45 23 00-0003 EA Portable (Wall Mounted) Heated Gravity-Fed Emergency Eye/Face Wash (Bradley S19-921H).....	1,506.10	15.15

22	<b>Plumbing</b>
22 40	<b>Plumbing Fixtures</b>
22 45	<b>Emergency Plumbing Fixtures</b>

MINOR	
CSI UOM DESCRIPTION	

TOTAL DIRECT	DEMOLITION
UNIT COST	UNIT COST

22 45 26 Eye/Face Wash Equipment (22 45)					
22 45 26 00-0001	Emergency Eye/Face Wash Equipment (22 45 26)				
22 45 26 00-0002	Emergency Eye/Face Wash Equipment (Haws) (22 45 26 00-0001)				
22 45 26 00-0003	EA Unmounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7460).....	720.33		126.20	
	Note: Excludes p-trap and tailpiece.				
22 45 26 00-0004	EA Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly Without Receptor (Haws 7324).....	724.47		176.67	
22 45 26 00-0005	EA Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7260B-7270B).....	708.33		176.67	
	Note: Excludes p-trap and tailpiece.				
22 45 26 00-0006	EA Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7260BT-7270BT).....	771.80		176.67	
	Note: Excludes p-trap and tailpiece.				
22 45 26 00-0007	EA Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360B-7460B).....	778.25		176.67	
	Note: Excludes p-trap and tailpiece.				
22 45 26 00-0008	EA Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360BT-7460BT).....	854.63		176.67	
	Note: Excludes p-trap and tailpiece.				
22 45 26 00-0009	EA Wall Mounted, Barrier-Free, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360BTWC).....	1,160.13		176.67	
22 45 26 00-0010	EA Wall Mounted, All Stainless Steel, Corrosion Resistant, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl And Dust Cover (Haws 7778B).....	2,182.07		176.67	
22 45 26 00-0011	EA Pedestal Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7261-7271).....	887.90		201.91	
22 45 26 00-0012	EA Pedestal Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7361-7461).....	1,011.60		201.91	
22 45 26 00-0013	EA Pedestal Mounted, All Stainless Steel, Corrosion Resistant, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7777).....	2,259.45		201.91	
22 45 26 00-0014	EA Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 7611).....	601.16		50.48	
22 45 26 00-0015	EA Right Side Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Stainless Steel Axion® MSR Wash Head Assembly (Haws 7612).....	579.65		50.48	
22 45 26 00-0016	EA Left Side Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Stainless Steel Axion® MSR Wash Head Assembly (Haws 7612LH).....	606.54		50.48	
22 45 26 00-0017	EA Wall Or Deck Mounted, Barrier-Free, Swing-Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 7610).....	762.52		50.48	
22 45 26 00-0018	EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet (Haws 7655WCC).....	1,860.18		252.39	
22 45 26 00-0019	EA Surface Wall Mounted, Wheelchair Accessible, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet (Haws 7655WCSM).....	2,248.69		201.91	
22 45 26 00-0020	EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet And Drain Pan (Haws 7656WCC).....	2,311.99		252.39	
22 45 26 00-0021	EA Surface Wall Mounted, Wheelchair Accessible, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet And Drain Pan (Haws 7656WCSM).....	2,711.25		201.91	
22 45 26 00-0022	Emergency Eye/Face Wash Equipment (Speakman) (22 45 26 00-0001)				
22 45 26 00-0023	EA Wall Mounted, Lifesaver® Emergency Eye/Face Wash And Plastic Bowl (Speakman SE-495).....	647.40		176.67	
22 45 26 00-0024	EA Floor Mounted, DuraJade™ Finish, Lifesaver® Emergency Eye/Face Wash And Plastic Bowl (Speakman SE-496).....	791.87		201.91	
22 45 26 00-0025	Emergency Eye/Face Wash Equipment (WaterSaver) (22 45 26 00-0001)				
22 45 26 00-0026	EA Wide Area, Emergency Eye/Face Wash With Stainless Steel Bowl, Wall Mounted (WaterSaver FE724).....	1,130.72		176.67	
22 45 26 00-0027	EA Wide Area, Emergency Eye/Face Wash With Stainless Steel Bowl And Cover, Wall Mounted (WaterSaver FE724BC).....	1,483.58		176.67	
22 45 26 00-0028	EA Wide Area, Push-Down Valve, Emergency Eye/Face Wash, Recess Deck Mounted (WaterSaver FE727).....	1,438.72		176.67	
22 45 26 00-0029	EA Push-Down Valve, Emergency Eye/Face Wash, Recess Deck Mounted (WaterSaver FE765).....	1,331.68		176.67	
22 45 26 00-0030	EA Auto Flow, Right Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE774).....	707.92		50.48	
22 45 26 00-0031	EA Auto Flow, Left Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE774LH).....	707.92		50.48	
22 45 26 00-0032	EA Right Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE775).....	687.04		50.48	
22 45 26 00-0033	EA Left Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE775LH).....	687.04		50.48	
22 45 26 00-0034	EA Swing-Down, Auto Flow, Emergency Eye/Face Wash, Wall Mounted (WaterSaver FE778).....	1,045.80		50.48	
22 45 26 00-0035	EA Swing-Down, Auto Flow, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE779).....	1,045.80		50.48	
22 45 26 00-0036	Emergency Eye/Face Wash Equipment (Guardian) (22 45 26 00-0001)				
	Note: Includes one pull rod.				
22 45 26 00-0037	EA All-Stainless Steel Handicapped Accessible Safety Station With WideArea™ Eye/Face Wash (Guardian GBF1994).....	4,545.46		176.67	
22 45 29 Hand-Held Emergency Drench Hoses (22 45)					
22 45 29 00-0001	Hand-Held Emergency Eye/Face/Body Wash With Hose (22 45 29)				
22 45 29 00-0002	Hand-Held Emergency Eye/Face/Body Wash With Hose (Haws) (22 45 29 00-0001)				
22 45 29 00-0003	EA Counter Mounted, Hand-Held Emergency Eye/Face/Body Wash With Axion® MSR Wash Head Assembly And 8' Hose (Haws 8904).....	642.55		63.10	
22 45 29 00-0004	EA Wall Mounted, Hand-Held Emergency Eye/Face/Body Wash With Axion® MSR Wash Head Assembly And 12' Recoil Hose (Haws 8905).....	739.36		63.10	
22 45 29 00-0005	Hand-Held Emergency Eye/Face/Body Wash With Hose (WaterSaver) (22 45 29 00-0001)				



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 45 29 00-0006	EA		Emergency Drench Hose Unit, Deck Mounted (WaterSaver EW1020) .....	547.01	63.10
22 45 29 00-0007	EA		Emergency Drench Hose Unit, Wall Mounted (WaterSaver EW1025) .....	505.10	63.10
22 45 29 00-0008	EA		Emergency Eye Wash Drench Hose Unit, Wall Mounted (WaterSaver EW1014) .....	751.67	63.10
22 45 29 00-0009	EA		Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1022) .....	705.03	63.10
22 45 29 00-0010	EA		Emergency Eye Wash Drench Hose Unit, Wall Mounted (WaterSaver EW1026) .....	721.73	63.10
22 45 29 00-0011	EA		Ball Valve With Flag Handle, Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1028) .....	941.61	63.10
22 45 29 00-0012	EA		Ball Valve With Flag Handle And Vacuum Breaker, Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1028VB).....	1,087.84	63.10
22 45 29 00-0013	EA		Emergency Eye Wash Drench Hose Unit, 45 Degree Panel Mounted (WaterSaver EW1041).....	1,038.25	63.10

**22 45 33 Combination Emergency Fixture Units (22 45)**

22 45 33 00-0001			<b>Emergency Shower With Eye/Face Wash (22 45 33)</b>		
22 45 33 00-0002			<b>Emergency Shower With Eye/Face Wash (Haws) (22 45 33 00-0001)</b>		
22 45 33 00-0003	EA		Floor Mounted, All Stainless Steel, Corrosion Resistant, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8330) .....	3,802.70	328.11
22 45 33 00-0004	EA		Floor Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eyewash With Soft-Flo Heads And Stainless Steel Bowl (Haws 8300FP) .....	2,576.37	328.11
			Note: Includes freeze protection bury valve.		
22 45 33 00-0005	EA		Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8300-8309) .....	1,796.47	328.11
22 45 33 00-0006	EA		Floor Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eyewash With Soft-Flo Heads And Stainless Steel Bowl (Haws 8300.158) .....	2,856.06	328.11
22 45 33 00-0007	EA		Floor Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8300CRP-8309CRP) .....	2,097.67	328.11
22 45 33 00-0008	EA		Floor Mounted, Barrier-Free, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8309WC) .....	1,973.96	328.11
22 45 33 00-0009	EA		Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317) .....	1,688.90	328.11
22 45 33 00-0010	EA		Floor Mounted, Corrosion Resistant, PVC Plastic, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8336) .....	2,759.24	328.11
22 45 33 00-0011	EA		Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Ceiling Mounted Axion® MSR Stainless Steel Showerhead (Haws 8355WCC).....	3,022.80	328.11
22 45 33 00-0012	EA		Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8355WCW) .....	3,081.96	328.11
22 45 33 00-0013	EA		Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan And Ceiling Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCC).....	3,442.33	328.11
22 45 33 00-0014	EA		Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan, Daylight Drain And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCDD).....	3,652.09	328.11
22 45 33 00-0015	EA		Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCW).....	3,592.93	328.11
22 45 33 00-0016	EA		Floor Mounted, 120 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFP) .....	5,367.88	328.11
22 45 33 00-0017	EA		Floor Mounted, 220 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFP.220V).....	5,658.32	328.11
22 45 33 00-0018	EA		Floor Mounted, C1D1 Rated, 120 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFPC1D1).....	11,951.31	328.11
22 45 33 00-0019	EA		Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8320-8325).....	1,688.90	328.11
22 45 33 00-0020	EA		Floor Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8320CRP) .....	1,909.42	328.11
22 45 33 00-0021			<b>Emergency Shower With Eye/Face Wash (Speakman) (22 45 33 00-0001)</b>		
22 45 33 00-0022	EA		Floor Mounted, Emergency Drench Shower With Plastic Showerhead And Eye/Face Wash With Plastic Bowl (Speakman SE-690) .....	1,514.19	328.11
22 45 33 00-0023	EA		3.18 GPM, 1-1/4" IPS Galvanized Steel Piping, Durajade Powder-Coat, Yellow Bowl Color, ADA compliant, Push-handle Activated, Pull-rod Shower, Brass Fittings, Floor Mounted, Combination Emergency Station (Speakman SE-697) .....	1,058.32	201.91
22 45 33 00-0024			<b>Emergency Shower With Eye/Face Wash (WaterSaver) (22 45 33 00-0001)</b>		
22 45 33 00-0025	EA		All-Stainless Steel, Wide Area, Emergency Shower With Eye/Face Wash Station, Floor Mounted (WaterSaver SS994) .....	4,917.94	274.06
22 45 33 00-0026	EA		Polished Chrome Construction, Wide Area, Emergency Shower With Eye/Face Wash Station, Floor Mounted (WaterSaver SS909PCC) .....	5,024.29	274.06
22 45 33 00-0027	EA		Emergency Shower With Eye Wash Station And Stainless Steel Bowl, Floor Mounted (WaterSaver SS902) .....	2,027.31	274.06
22 45 33 00-0028	EA		Emergency Shower With Eye Wash Station And Plastic Bowl, Floor Mounted (WaterSaver SS902P) .....	1,861.86	274.06
22 45 33 00-0029	EA		Emergency Shower With Eye Wash Station And Stainless Steel Bowl And Cover, Floor Mounted (WaterSaver SS902BC).....	2,380.16	274.06
22 45 33 00-0030			<b>Emergency Shower With Eye/Face Wash (Guardian) (22 45 33 00-0001)</b>		
22 45 33 00-0031	EA		Emergency Eye Wash Station With Plastic Bowl And Shower Head (Guardian H-5101) .....	1,236.00	219.25
22 45 33 00-0032	EA		Emergency Eye Wash Station With Stainless Steel Bowl And Shower Head (Guardian H-6618).....	2,473.50	219.25
22 45 33 00-0033	EA		Emergency Eye Wash Station With Plastic Bowl And Shower Head (U-Line H-6697) .....	1,043.50	219.25

**22 Plumbing****22 40 Plumbing Fixtures****22 45 Emergency Plumbing Fixtures**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

22 45 33 00-0034		Emergency Shower With Eye/Face Wash (Hughes) (22 45 33 00-0001)		
22 45 33 00-0035	EA	120 Volt, 35-13/64" Length x 14-45/64" Width x 104-1/2" Height, Freeze Protected, ABS Bowl, Floor Mounted, Emergency Shower Station (Hughes H5G45G-1H).....	3,348.52	201.91
22 45 33 00-0036	EA	29-1/2" Length x 12-13/32" Width x 103" Height, Open ABS Bowl, Galvanized Pipe, Floor Mounted, Emergency Combination Shower (Hughes 18G75G).....	1,276.12	201.91

**22 45 36 Emergency Fixture Water-Tempering Equipment (22 45)**

22 45 36 00-0001		Emergency Fixture Water-Tempering Equipment (22 45 36)		
22 45 36 00-0002		Emergency Fixture Water-Tempering Equipment (Haws) (22 45 36 00-0001)		
22 45 36 00-0003	EA	10 GPM, 1/2" Inlet, 1/2" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201EW).....	680.20	63.10
22 45 36 00-0004	EA	12 GPM, 1/2" Inlet, 3/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201EFE).....	997.54	63.10
22 45 36 00-0005	EA	31 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201E).....	1,465.48	63.10
22 45 36 00-0006	EA	78 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9202E).....	1,729.03	63.10
22 45 36 00-0007	EA	31 GPM, 1" Inlet, 1-1/4" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws 9201H).....	2,449.77	63.10
22 45 36 00-0008	EA	12 GPM, 1/2" Inlet, 3/4" Outlet, Secondary High Temperature Limit Valve, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.EWE).....	2,584.23	63.10
22 45 36 00-0009	EA	74 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.SHE).....	4,343.04	63.10
22 45 36 00-0010	EA	78 GPM, 2" Inlet, 2" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.HF).....	5,219.76	63.10
22 45 36 00-0011	EA	1/2" Inlet, 1/2" Outlet, Brass Scald Protection Bleed Valve (Haws SP157B).....	760.88	63.10

**22 45 39 Emergency Plumbing Fixture Accessories (22 45)**

22 45 39 00-0001		Emergency Plumbing Fixture Accessories (22 45 39)		
22 45 39 00-0002		Emergency Plumbing Fixture Accessories (Haws) (22 45 39 00-0001)		
22 45 39 00-0003	EA	Pedestal Mounted, Powder Coated Aluminum Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220).....	174.85	20.19
22 45 39 00-0004	EA	Wall Mounted, Powder Coated Aluminum Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220W).....	244.77	20.19
22 45 39 00-0005	EA	Pedestal Mounted, Stainless Steel Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220SS).....	255.52	20.19
22 45 39 00-0006	EA	Axon® MSR Stainless Steel Showerhead For Emergency Drench Showers (Haws SP829SS).....	284.08	7.57
22 45 39 00-0007	EA	Stainless Steel Dust Cover For Emergency Eye/Face Wash Bowls (Haws 9102).....	289.79	5.05
22 45 39 00-0008	EA	3-Sided ABS Plastic Safety Sign For Emergency Combination Shower And Eyewash Units (Haws 9020).....	316.01	10.10
22 45 39 00-0009	EA	Emergency Body Spray Kit With 8' Hose And ABS Plastic Head For Emergency Plumbing Fixtures (Haws 8901RFK).....	554.83	75.72
22 45 39 00-0010	EA	Class 1, Div. 1, Group B, C And D, Indicator Light For Emergency Plumbing Fixtures (Haws 8317IDLTEXP).....	570.73	32.57
22 45 39 00-0011	EA	Vapor Tight And Gasketed, Green Area Light For Emergency Plumbing Fixtures (Haws 8317LT).....	850.42	32.57
22 45 39 00-0012	EA	Privacy Curtain For Horizontal Emergency Drench Shower Or Combination Emergency Drench Shower And Eyewash Units (Haws 9037).....	997.54	75.72
22 45 39 00-0013	EA	Class 1, Div. 1, Group B, C And D, White Area Light For Emergency Plumbing Fixtures (Haws 8317LTEXP).....	1,899.25	32.57
22 45 39 00-0014	EA	1/2" Supply, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001.5).....	2,099.66	108.58
22 45 39 00-0015	EA	1-1/4" Supply, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001).....	2,142.69	108.58
22 45 39 00-0016	EA	1-1/4" Supply, Class 1, Division 2, Groups B, C, And D Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001EXP).....	3,982.18	108.58
22 45 39 00-0017	EA	1-1/4" Supply, 90 db, Class 1, Division 1, Groups C And D, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001EXPC1D1).....	7,585.86	108.58

**22 45 39 00-0018 Emergency Plumbing Fixture Accessories (Speakman) (22 45 39 00-0001)**

22 45 39 00-0019	EA	Privacy Curtain For Emergency Showers.....	999.08	75.72
		Note: Curtain includes stainless steel curtain rod and mounting accessories.		

**22 45 39 00-0020 Emergency Plumbing Fixture Accessories (WaterSaver) (22 45 39 00-0001)**

22 45 39 00-0021	EA	Hand And Foot Control For Emergency Eyewash Equipment (WaterSaver HFC).....	144.86	16.44
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**22 45 39 00-0022 Emergency Plumbing Fixture Accessories (U-Liner) (22 45 39 00-0001)**

22 45 39 00-0023	EA	58" Height x 29" Width x 20" Depth, Portable Eyewash Stand (U-Line H-5193).....	158.31	13.70
		Note: Includes eyewash station bolts to stand		
22 45 39 00-0024	EA	12" Height x 18" Width, Aluminum, Corrosion Resistant With Engineer-grade Reflective Surface, Eyewash Sign (U-Line S-17343A).....	60.41	13.70
22 45 39 00-0025	EA	7" Height x 10" Width, 0.055" Thick HDPE, Plastic, Eyewash Sign (U-Line S-17343P).....	36.24	8.77
		Note: Includes pre-drilled mounting holes and 4 strips of double-sided mounting tape		
22 45 39 00-0026	EA	7" Height x 10" Width, Vinyl, Eyewash Sign (U-Line S-17343V).....	28.54	8.77
		Note: Includes 4 mil flexible vinyl with adhesive backing		

**22 47 Drinking Fountains and Water Coolers (22 40)****22 47 13 Drinking Fountains (22 47)**

22 47 13 00-0001		Indoor Drinking Fountains (22 47 13)		
22 47 13 00-0002		Face Mounted Indoor Drinking Fountain (22 47 13 00-0001)		
22 47 13 00-0003	EA	Stainless Steel, Standard Length, Semi-Circular Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-S).....	1,633.73	164.05
22 47 13 00-0004	EA	Stainless Steel, Standard Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-SBP).....	2,367.48	176.67

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 47 13 00-0005	EA		Stainless Steel, Extended Length, Semi-Circular Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-E).....	2,143.03	164.05
	22 47 13 00-0006	EA		Stainless Steel, Extended Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-EBP).....	2,550.89	176.67
	22 47 13 00-0007	EA		Stainless Steel, Standard Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRF5).....	1,105.21	164.05
	22 47 13 00-0008	EA		Stainless Steel, Standard Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners With Back Panel (Halsey-Taylor HRF5BP).....	1,317.83	176.67
	22 47 13 00-0009	EA		Stainless Steel, Extended Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRF6).....	1,246.10	164.05
	22 47 13 00-0010	EA		Stainless Steel, Extended Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRF6BP).....	1,508.29	176.67
<b>22 47 13 00-0011</b>				<b>Wall Mounted Indoor Drinking Fountain</b> (22 47 13 00-0001)		
	22 47 13 00-0012	EA		Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor 5701).....	1,139.27	176.67
	22 47 13 00-0013	EA		Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain/Bottle Filling Station With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor HTHB-HAC8WF).....	1,604.34	176.67
	22 47 13 00-0014	EA		Bi-Level, Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain/Bottle Filling Station With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor HTHB-HAC8LWF).....	2,192.77	176.67
<b>22 47 13 00-0015</b>				<b>Semi-Recessed Indoor Drinking Fountain</b> (22 47 13 00-0001)		
	22 47 13 00-0016	EA		Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubbler (Halsey-Taylor 5801).....	1,521.10	189.29
	22 47 13 00-0017	EA		Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubbler And Cuspidor (Halsey-Taylor 5801C).....	3,221.65	189.29
<b>22 47 13 00-0018</b>				<b>Fully Recessed Indoor Drinking Fountain</b> (22 47 13 00-0001)		
	22 47 13 00-0019	EA		Stainless Steel Fully-Recessed, With Bubbler, Indoor Drinking Fountain (Halsey-Taylor 8880, Haws 2400).....	1,626.92	201.91
	22 47 13 00-0020	EA		Stainless Steel Fully-Recessed, With Bubbler And Cuspidor, Indoor Drinking Fountain (Halsey-Taylor 8800 With 10245, Haws 2403).....	2,931.56	201.91
<b>22 47 13 00-0021</b>				<b>Countertop Indoor Drinking Fountain</b> (22 47 13 00-0001)		
	22 47 13 00-0022	EA		Stainless Steel Countertop Circular Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 10000).....	683.67	126.20
	22 47 13 00-0023	EA		Stainless Steel Countertop Rectangular Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 6000).....	659.11	126.20
	22 47 13 00-0024	EA		Stainless Steel Countertop Oval Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 6028).....	793.70	126.20
<b>22 47 13 00-0025</b>				<b>Bowl And Bracket Indoor Drinking Fountain</b> (22 47 13 00-0001)		
	22 47 13 00-0026	EA		Stainless Steel, Bowl And Bracket With Pushbutton Bubbler, Indoor Drinking Fountain (Halsey-Taylor 2501A).....	581.50	126.20
	22 47 13 00-0027	EA		Stainless Steel, Bowl And Bracket, Self Closing Lever Handle Stop, Indoor Drinking Fountain (Halsey-Taylor 4540).....	695.59	126.20
<b>22 47 13 00-0028</b>				<b>Multi-Station Indoor Drinking Fountain</b> (22 47 13 00-0001)		
	22 47 13 00-0029	EA		Two Station, Stainless Steel, Indoor Drinking Fountains With Bubbler And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7020).....	3,044.54	201.91
	22 47 13 00-0030	EA		Three Station, Stainless Steel, Indoor Drinking Fountains With Bubbler And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7030).....	3,818.64	201.91
	22 47 13 00-0031	EA		Two Station, Marblyte, Face-Mounted Indoor Drinking Fountain With Bubblers (Halsey-Taylor 7120).....	2,905.91	201.91
	22 47 13 00-0032	EA		Two Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1430).....	2,457.06	201.91
	22 47 13 00-0033	EA		Three Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1435).....	3,083.83	201.91
	22 47 13 00-0034	EA		Bi-Level, Stainless Steel, Indoor Drinking Fountain With Bubblers And Back Panel (Halsey-Taylor HRF5EBP, Haws 1119.14 With 6700.4).....	2,702.83	257.56
	22 47 13 00-0035	EA		Two Station, Cast Aluminum Indoor Drinking Fountains With Bubblers (Haws 1441).....	4,426.67	201.91
	22 47 13 00-0036	EA		Three Station, Cast Aluminum Indoor Drinking Fountains With Bubblers (Haws 1408).....	4,349.15	201.91
<b>22 47 13 00-0037</b>				<b>Outdoor Drinking Fountains</b> (22 47 13)		
<b>22 47 13 00-0038</b>				<b>Face Mounted Outdoor Drinking Fountains</b> (22 47 13 00-0037)		
	22 47 13 00-0039	EA		Stainless Steel Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor HRF6-FR).....	1,425.37	201.91
	22 47 13 00-0040	EA		Stainless Steel Freeze Resistant Face Mounted, With Back Panel, Outdoor Drinking Fountain With Bubbler (Halsey-Taylor HRF6BP-FR).....	1,558.77	201.91
	22 47 13 00-0041	EA		Stone Aggregate Weather Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4592).....	1,500.84	201.91
	22 47 13 00-0042	EA		Stone Aggregate Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4592-FR).....	2,183.63	201.91
<b>22 47 13 00-0043</b>				<b>Free Standing Outdoor Drinking Fountains</b> (22 47 13 00-0037)		
	22 47 13 00-0044	EA		Steel Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4715).....	2,669.15	189.29
	22 47 13 00-0045	EA		Steel Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4715-FR).....	3,733.70	189.29
	22 47 13 00-0046	EA		Steel Barrier-Free Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4710).....	2,665.61	189.29
	22 47 13 00-0047	EA		Steel Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4710-FR).....	3,665.70	189.29
	22 47 13 00-0048	EA		Steel Barrier-Free Bi-level Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4720).....	3,951.16	201.91
	22 47 13 00-0049	EA		Steel Barrier-Free Bi-level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4720-FR).....	4,022.25	201.91
	22 47 13 00-0050	EA		Stone Aggregate Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4591).....	1,517.71	189.29
	22 47 13 00-0051	EA		Stone Aggregate Barrier-Free Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4590).....	2,591.92	189.29
	22 47 13 00-0052	EA		Stone Aggregate Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4590-FR).....	3,656.47	189.29

**22 Plumbing****22 40 Plumbing Fixtures****22 47 Drinking Fountains and Water Coolers**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
22 47 13 00-0053	EA	Stone Aggregate Barrier-Free Bi-level Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4595) .....	4,299.57		201.91
22 47 13 00-0054	EA	Stone Aggregate Barrier-Free Bi-level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4595-FR) .....	6,017.95		201.91
<b>22 47 16 Pressure Water Coolers (22 47)</b>					
<b>22 47 16 00-0001 Indoor Water Coolers (22 47 16)</b>					
<b>22 47 16 00-0002 Face Mounted Indoor Water Coolers (22 47 16 00-0001)</b>					
22 47 16 00-0003	EA	Stainless Steel, Semi-Circular Water Cooler With Bubbler, Face-Mounted, Extended Length, 180 Degree Push Bar, 7.5 GPH (Halsey-Taylor OVL-II ER-Q) .....	3,058.62		201.91
22 47 16 00-0004	EA	Stainless Steel, Semi-Circular Water Cooler, Electronic Sensor, Face-Mounted, Extended Length, With Bubbler, 7.5 GPH (Halsey-Taylor OVL-II EREE-Q) .....	3,263.10		201.91
<b>22 47 16 00-0005 Wall Mounted Indoor Water Coolers (22 47 16 00-0001)</b>					
22 47 16 00-0006	EA	Stainless Steel Wall-Mounted Compact Water Cooler, 4 GPH, With Bubbler, (Halsey-Taylor SW4A-Q) .....	1,474.52		201.91
22 47 16 00-0007	EA	Stainless Steel Wall-Mounted Compact Water Cooler, 8 GPH, With Bubbler (Halsey-Taylor SW8A-Q) .....	1,527.17		201.91
22 47 16 00-0008	EA	Stainless Steel Wall-Mounted Compact Water Cooler, 14 GPH, With Bubbler (Halsey-Taylor SW14A-Q) .....	1,692.17		201.91
22 47 16 00-0009	EA	Stainless Steel Wall-Mounted Vandal Resistant Compact Water Cooler With Bubbler, 8 GPH (Halsey-Taylor SW8A-VR-Q-SS) .....	1,755.35		201.91
22 47 16 00-0010	EA	Stainless Steel Wall-Mounted Vandal Resistant Barrier Free Water Cooler With Bubbler, 8 GPH (Halsey-Taylor HVR8-CHILD ADA) .....	1,309.52		201.91
22 47 16 00-0011	EA	Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubbler, Front And Side Pushbar, 8 GPH (Halsey-Taylor WC8AFS-Q-SS) .....	1,511.38		201.91
22 47 16 00-0012	EA	Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubbler, Front And Side Pushbar, 8 GPH (Halsey-Taylor HAC8FS-Q Child SS) .....	1,196.31		201.91
22 47 16 00-0013	EA	Stainless Steel, Wall Mounted, Barrier Free, Bi-Level Indoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HAC8FSBL-Q-SS) .....	1,999.38		302.86
22 47 16 00-0014	EA	Stainless Steel Wall-Mounted Water Cooler, 8 GPH, With Bubbler, (Halsey-Taylor HAC8VR-BL) .....	1,781.97		201.91
<b>22 47 16 00-0015 Simulated Recessed Indoor Water Coolers (22 47 16 00-0001)</b>					
22 47 16 00-0016	EA	Stainless Steel Simulated Recessed Water Cooler With Bubbler, 8 GPH (Halsey-Taylor RWM8A-Q) .....	1,751.69		201.91
<b>22 47 16 00-0017 Fully Recessed Indoor Water Coolers (22 47 16 00-0001)</b>					
22 47 16 00-0018	EA	Stainless Steel Fully-Recessed Water Cooler With Bubbler, 8 GPH (Halsey-Taylor RC8A-Q) .....	3,374.10		227.15
22 47 16 00-0019	EA	Stainless Steel Fully-Recessed Water Cooler With Bubbler And Cup Dispenser, 8 GPH (Halsey-Taylor RC8AQ + 14762) .....	4,112.75		227.15
22 47 16 00-0020	EA	Stainless Steel Fully-Recessed Water Cooler With Bubbler And Cup Dispenser And Glass Filler, 8 GPH (Halsey-Taylor RC8A-Q-14700) .....	4,807.32		227.15
<b>22 47 16 00-0021 Free Standing Indoor Water Coolers (22 47 16 00-0001)</b>					
22 47 16 00-0022	EA	Stainless Steel, Free-Standing Indoor Water Cooler, 4 GPH, With Bubbler (Halsey-Taylor SCWT4A-Q) .....	1,417.88		176.67
22 47 16 00-0023	EA	Stainless Steel, Free-Standing Indoor Water Cooler, 8 GPH, With Bubbler (Halsey-Taylor SCWT8A-Q) .....	1,520.56		176.67
22 47 16 00-0024	EA	Stainless Steel, Free-Standing Indoor Water Cooler, 14 GPH, With Bubbler (Halsey-Taylor SCWT14A-Q) .....	1,721.54		176.67
22 47 16 00-0025	EA	Stainless Steel, Free-Standing Vandal Resistant Water Cooler With Bubbler, 14 GPH (Halsey-Taylor SCWT14A-VR-Q) .....	1,911.98		176.67
<b>22 47 16 00-0026 Bottled Water Coolers (22 47 16 00-0001)</b>					
22 47 16 00-0027	EA	Free-Standing Bottled Water Cooler With Chilled Or Room Temperature Water .....	497.94		100.95
22 47 16 00-0028	EA	Free-Standing Bottled Water Cooler With Chilled Or Hot Water .....	592.25		100.95
<b>22 47 16 00-0029 Multi-Station Indoor Water Coolers (22 47 16 00-0001)</b>					
22 47 16 00-0030	EA	Stainless Steel, Wall Mounted, Two Station, Semi-Circular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II SER-Q) .....	3,390.41		302.86
22 47 16 00-0031	EA	Stainless Steel, Wall Mounted, Two Station, Electronic Sensor Semi Circular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II-SEREE-Q) .....	5,160.57		302.86
22 47 16 00-0032	EA	Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Indoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BL-CHILD ADA-SS) .....	2,163.49		302.86
<b>22 47 16 00-0033 Outdoor Water Coolers (22 47 16)</b>					
<b>22 47 16 00-0034 Wall Mounted Outdoor Water Coolers (22 47 16 00-0033)</b>					
22 47 16 00-0035	EA	Stainless Steel, Wall Mounted, Barrier Free, Vandal Resistant, Frost Resistant Outdoor Water Cooler With Bubbler, 8 GPH (Halsey-Taylor HVR8FR-CHILD ADA-SS) .....	1,514.79		126.20
22 47 16 00-0036	EA	Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Outdoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BLFR-CHILD ADA-SS) .....	2,590.37		126.20
<b>22 47 16 00-0037 Free Standing Outdoor Water Coolers (22 47 16 00-0033)</b>					
22 47 16 00-0038	EA	Stainless Steel Free-Standing Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-Q) .....	2,496.26		189.29
22 47 16 00-0039	EA	Stainless Steel Free-Standing Frost Resistant Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-FR-Q) .....	2,987.72		189.29
<b>22 47 16 00-0040 Removal And Reinstallation Of Fixtures And Trim (22 47 16)</b>					
Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.					
22 47 16 00-0041	EA	Removal And Reinstallation Of Wall Hung Water Cooler .....	490.85		
22 47 16 00-0042	EA	Removal And Reinstallation Of Floor Mount Water Cooler .....	109.62		

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**22 47 19 Water-Station Water Coolers (22 47)**

<b>22 47 19 00-0001 Bottle Filler (22 47 19)</b>			
22 47 19 00-0002	EA Outdoor Tubular Bottle Filling Station, Surface Mount (Elkay LK4410BF).....	3,600.75	201.91
	<i>For Stainless Steel Carrier, Add</i>	205.00	
22 47 19 00-0003	EA Outdoor Tubular Bottle Filling Station, Surface Mount, Freeze Resistant (Elkay LK4410BFFRK).....	4,549.38	201.91
	<i>For Stainless Steel Carrier, Add</i>	205.00	
22 47 19 00-0004	EA Tri-level Outdoor Tubular Bottle Filling Station With Single Bottle Filler And Two Drinking Fountain Basins, Surface Mount (Elkay LK4430BF1).....	5,835.69	227.15
	<i>For Stainless Steel Carrier, Add</i>	205.00	
22 47 19 00-0005	EA Tri-level Outdoor Tubular Bottle Filling Station With Two Bottle Fillers And Single Drinking Fountain Basin, Surface Mount (Elkay LK4430BF2).....	6,303.23	227.15
	<i>For Stainless Steel Carrier, Add</i>	205.00	
22 47 19 00-0006	EA Tri-level Outdoor Tubular Bottle Filling Station With Three Bottle Fillers, Surface Mount (Elkay LK4430BF3).....	6,770.76	227.15
	<i>For Stainless Steel Carrier, Add</i>	205.00	

**22 47 23 Remote Water Coolers (22 47)**

<b>22 47 23 00-0001 Remote Chillers (22 47 23)</b>			
22 47 23 00-0002	EA 1.5 GPH Remote Chiller (Halsey-Taylor SJ1-Q).....	871.73	68.15
22 47 23 00-0003	EA 5 GPH Remote Chiller (Halsey-Taylor SJ5-Q).....	1,320.42	75.72
22 47 23 00-0004	EA 8 GPH Remote Chiller (Halsey-Taylor SJ8-Q).....	1,138.54	88.33
22 47 23 00-0005	EA 10 GPH Remote Chiller (Halsey-Taylor SJ10-Q).....	1,463.05	100.95
22 47 23 00-0006	EA 19 GPH Remote Chiller (Halsey-Taylor SJ19-Q).....	2,290.68	151.43
22 47 23 00-0007	EA 30 GPH Remote Chiller (Halsey-Taylor SJ30-Q).....	2,483.53	164.05

**22 47 26 Fixture Carriers (22 47)**

<b>22 47 26 00-0001 Water Cooler Carriers (22 47 26)</b>			
<b>22 47 26 00-0002 Floor Mounted, Water Cooler Carriers (22 47 26 00-0001)</b>			
Note: Includes adjustable supporting rods, structural uprights and welded feet.			
22 47 26 00-0003	EA Floor Mounted Hanger Plate Type, Single Water Cooler Carrier.....	487.54	38.37
	<i>For Up To 4" Extension Sleeves And Hardware, Add</i>	23.79	
	<i>For Bi-Level Carrier, Add</i>	270.76	
22 47 26 00-0004	EA Floor Mounted Bearing Plate Type, Single Water Cooler Carrier.....	530.58	38.37
	<i>For Up To 4" Extension Sleeves And Hardware, Add</i>	23.79	
	<i>For Bi-Level Carrier, Add</i>	270.76	

**22 50 Pool and Fountain Plumbing Systems (22)**

**22 51 Swimming Pool Plumbing Systems (22 50)**

**22 51 13 Swimming Pool Piping (22 51)**

<b>22 51 13 00-0001 Swimming Pool Gutters (22 51 13)</b>			
22 51 13 00-0002	LF Swimming Pool Gutters, Stainless.....	345.10	22.72

**22 51 19 Swimming Pool Water Treatment Equipment (22 51)**

<b>22 51 19 00-0001 Swimming Pool Heaters (22 51 19)</b>			
Note: Excludes wiring, external piping, base or pad. Commercial pools.			
<b>22 51 19 00-0002 Electric Pool Heaters (22 51 19 00-0001)</b>			
22 51 19 00-0003	EA 12 KW Heater (1 Degree/Hour), For 4,800 Gallon Pool.....	4,535.84	201.91
22 51 19 00-0004	EA 18 KW Heater (1 Degree/Hour), For 7,200 Gallon Pool.....	5,074.29	217.05
22 51 19 00-0005	EA 24 KW Heater (1 Degree/Hour), For 9,600 Gallon Pool.....	5,631.06	252.39
22 51 19 00-0006	EA 30 KW Heater (1 Degree/Hour), For 12,000 Gallon Pool.....	5,941.68	302.86
22 51 19 00-0007	EA 36 KW Heater (1 Degree/Hour), For 14,400 Gallon Pool.....	6,487.88	424.01
22 51 19 00-0008	EA 60 KW Heater (1 Degree/Hour), For 24,000 Gallon Pool.....	7,371.99	605.72

**22 51 19 00-0009 Gas Fired Pool Heaters (22 51 19 00-0001)**

22 51 19 00-0010	EA 120 MBH Output Gas Fired Pool Heater.....	5,405.39	951.07
22 51 19 00-0011	EA 180 MBH Output Gas Fired Pool Heater.....	6,140.09	1,086.94
22 51 19 00-0012	EA 240 MBH Output Gas Fired Pool Heater.....	6,937.79	1,222.80
22 51 19 00-0013	EA 300 MBH Output Gas Fired Pool Heater.....	7,987.17	1,494.54
22 51 19 00-0014	EA 360 MBH Output Gas Fired Pool Heater.....	8,226.33	1,576.78
22 51 19 00-0015	EA 400 MBH Output Gas Fired Pool Heater.....	9,653.92	1,932.37
22 51 19 00-0016	EA 500 MBH Output Gas Fired Pool Heater.....	15,156.49	2,229.66
22 51 19 00-0017	EA 600 MBH Output Gas Fired Pool Heater.....	17,570.05	2,452.62
22 51 19 00-0018	EA 750 MBH Output Gas Fired Pool Heater.....	19,809.83	2,675.59
22 51 19 00-0019	EA 1,000 MBH Output Gas Fired Pool Heater.....	25,390.02	3,158.67

**22 51 19 00-0020 Surge Tanks (22 51 19)**

Note: Includes 100 GPM vertical pump with 2 HP motor and electronic float switch. Prices are for 1' To 5' sump depth for pump.			
22 51 19 00-0021	EA 1,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch.....	16,931.07	776.97
22 51 19 00-0022	EA 1,500 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch.....	18,969.19	776.97
22 51 19 00-0023	EA 2,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch.....	22,915.42	992.91

**22 Plumbing****22 50 Pool and Fountain Plumbing Systems****22 51 Swimming Pool Plumbing Systems**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
22 51 19 00-0024	EA	5,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch.....	30,408.52	1,602.46
<b>22 51 19 00-0025</b>		<b>Diatomite Type Filter System (22 51 19)</b>		
22 51 19 00-0026	EA	35,000 Gallon Filter System, Diatomite.....	14,201.16	2,841.93
22 51 19 00-0027	EA	45,000 Gallon Filter System, Diatomite.....	16,919.67	3,410.31
<b>22 51 19 00-0028</b>		<b>Silver Recovery System, X-Ray Film Processing (22 51 19)</b>		
22 51 19 00-0029	EA	20 Gallon/Day Capacity, Silver Recovery System .....	2,051.66	342.58
22 51 19 00-0030	EA	40 Gallon/Day Capacity, Silver Recovery System .....	3,025.41	456.81
<b>22 51 19 00-0031</b>		<b>Inline Water Filter (22 51 19)</b> Note: 3/8" NPT threaded inlet and outlet, 125 PSI, includes one filter cartridge.		
22 51 19 00-0032	EA	2 GPM Water Filter, 100 Degree Temperature, 8" x 5" Diameter, Plastic Body.....	261.74	100.95
22 51 19 00-0033	EA	6 GPM Water Filter, 250 Degree Temperature, 12" x 5" Diameter, Stainless Steel Body.....	492.59	151.43
<b>22 51 19 00-0034</b>		<b>Ultra-Violet Pool Treatment Lights (22 51 19)</b>		
<b>22 51 19 00-0035</b>		<b>Stainless Steel Ultra-Violet Pool Treatment Lights (22 51 19 00-0034)</b> Note: Delta ELP Amalgam Series		
22 51 19 00-0036	EA	3" Flanged, 79 GPM, 2 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	12,742.50	314.76
22 51 19 00-0037	EA	3" Flanged, 116 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	13,470.24	314.76
22 51 19 00-0038	EA	3" Flanged, 158 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	14,094.03	314.76
22 51 19 00-0039	EA	4" Flanged, 254 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	14,540.62	333.34
22 51 19 00-0040	EA	4" Flanged, 295 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	14,849.75	333.34
22 51 19 00-0041	EA	4" Flanged, 329 GPM, 7 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	17,656.73	333.34
22 51 19 00-0042	EA	6" Flanged, 396 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	20,865.28	598.59
22 51 19 00-0043	EA	6" Flanged, 440 GPM, 2 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	30,909.09	598.59
22 51 19 00-0044	EA	6" Flanged, 650 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	33,926.55	598.59
22 51 19 00-0045	EA	8" Flanged, 695 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	36,390.38	718.12
22 51 19 00-0046	EA	8" Flanged, 920 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	39,078.17	718.12
22 51 19 00-0047	EA	8" Flanged, 1140 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	40,954.58	718.12
22 51 19 00-0048	EA	8" Flanged, 1260 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	42,983.13	718.12
22 51 19 00-0049	EA	10" Flanged, 1510 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	46,173.62	816.26
22 51 19 00-0050	EA	10" Flanged, 1760 GPM, 7 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	49,723.57	816.26
22 51 19 00-0051	EA	10" Flanged, 2010 GPM, 8 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	53,273.51	816.26
22 51 19 00-0052	EA	10" Flanged, 2520 GPM, 10 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	57,584.16	816.26
<b>22 51 19 00-0053</b>		<b>HDPE Ultra-Violet Pool Treatment Lights (22 51 19 00-0034)</b> Note: Delta EL Series		
22 51 19 00-0054	EA	3" Flanged, 116 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing.....	6,365.31	314.76
22 51 19 00-0055	EA	3" Flanged, 158 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing.....	7,075.27	314.76
22 51 19 00-0056	EA	4" Flanged, 254 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing.....	7,813.28	333.34
<b>22 51 19 00-0057</b>		<b>In-Line, Stainless Steel Ultra-Violet Pool Treatment Lights (22 51 19 00-0034)</b> Note: Delta EM Series		
22 51 19 00-0058	EA	3" Flanged, 100 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	24,622.14	314.76
22 51 19 00-0059	EA	3" Flanged, 170 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	24,875.69	314.76
22 51 19 00-0060	EA	6" Flanged, 300 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	26,583.25	598.59
22 51 19 00-0061	EA	6" Flanged, 600 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	33,652.69	598.59
22 51 19 00-0062	EA	8" Flanged, 1300 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	46,938.77	718.12
22 51 19 00-0063	EA	10" Flanged, 2000 GPM, 2 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	52,969.24	816.26
22 51 19 00-0064	EA	12" Flanged, 3000 GPM, 3 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	62,462.06	1,056.28
22 51 19 00-0065	EA	12" Flanged, 4000 GPM, 4 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	70,069.07	1,056.28

## 22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities (22)

### 22 63 Gas Systems for Laboratory and Healthcare Facilities (22 60)

#### 22 63 13 Gas Piping for Laboratory and Healthcare Facilities (22 63)

##### 22 63 13 53 Laboratory Gas Piping (22 63 13)

See CSI section 23 21 13 23-0001 for black steel pipe, 23 21 13 23-2177 for PVC piping.

##### 22 63 13 70 Healthcare Gas Piping (22 63 13)

#### 22 63 13 70-0001 Zone Valve Assemblies (22 63 13 70)

#### 22 63 13 70-0002 Single Zone Valve Assemblies (22 63 13 70-0001)

22 63 13 70-0003	EA	1/2" Single Zone Valve Assembly With Gauge (Amico VBU-M-05).....	400.79	80.16
22 63 13 70-0004	EA	3/4" Single Zone Valve Assembly With Gauge (Amico VBU-M-07).....	428.46	86.92
22 63 13 70-0005	EA	1" Single Zone Valve Assembly With Gauge (Amico VBU-M-10).....	455.83	92.47
22 63 13 70-0006	EA	1-1/4" Single Zone Valve Assembly With Gauge (Amico VBU-M-12).....	511.87	100.95
22 63 13 70-0007	EA	1-1/2" Single Zone Valve Assembly With Gauge (Amico VBU-M-15).....	583.98	107.11
22 63 13 70-0008	EA	2" Single Zone Valve Assembly With Gauge (Amico VBU-M-20).....	719.91	115.59

#### 22 63 13 70-0009 Double Zone Valve Assemblies (22 63 13 70-0001)

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 63 13 70-0010	EA 1/2" x 1/2" Double Zone Valve Assembly With Gauges (Amico VBU-M-0505)	573.17	114.89
22 63 13 70-0011	EA 1/2" x 3/4" Double Zone Valve Assembly With Gauges (Amico VBU-M-0507)	600.84	121.65
22 63 13 70-0012	EA 1/2" x 1" Double Zone Valve Assembly With Gauges (Amico VBU-M-0510)	633.66	127.10
22 63 13 70-0013	EA 1/2" x 1-1/4" Double Zone Valve Assembly With Gauges (Amico VBU-M-0512)	698.79	135.68
22 63 13 70-0014	EA 1/2" x 1-1/2" Double Zone Valve Assembly With Gauges (Amico VBU-M-0515)	779.99	141.84
22 63 13 70-0015	EA 3/4" x 3/4" Double Zone Valve Assembly With Gauges (Amico VBU-M-0707)	626.68	128.41
22 63 13 70-0016	EA 3/4" x 1" Double Zone Valve Assembly With Gauges (Amico VBU-M-0710)	659.51	133.97
22 63 13 70-0017	EA 3/4" x 1-1/4" Double Zone Valve Assembly With Gauges (Amico VBU-M-0712)	726.47	142.45
22 63 13 70-0018	EA 3/4" x 1-1/2" Double Zone Valve Assembly With Gauges (Amico VBU-M-0715)	773.12	148.61
22 63 13 70-0019	EA 1" x 1" Double Zone Valve Assembly With Gauges (Amico VBU-M-1010)	685.06	139.42
22 63 13 70-0020	EA 1" x 1-1/4" Double Zone Valve Assembly With Gauges (Amico VBU-M-1012)	726.57	148.00
22 63 13 70-0021	EA 1" x 1-1/2" Double Zone Valve Assembly With Gauges (Amico VBU-M-1015)	802.30	154.16
22 63 13 70-0022	EA 1-1/4" x 1-1/4" Double Zone Valve Assembly With Gauges (Amico VBU-M-1212)	833.51	156.48
22 63 13 70-0023	EA 1-1/4" x 1-1/2" Double Zone Valve Assembly With Gauges (Amico VBU-M-1215)	865.62	162.74
22 63 13 70-0024	EA 1-1/2" x 1-1/2" Double Zone Valve Assembly With Gauges (Amico VBU-M-1515)	946.82	168.90

**22 63 13 70-0025 Triple Zone Valve Assemblies** (22 63 13 70-0001)

22 63 13 70-0026	EA 1/2" x 1/2" x 1/2" Triple Zone Valve Assembly With Gauges (Amico VBU-M-050505)	778.27	149.52
22 63 13 70-0027	EA 1/2" x 1/2" x 3/4" Triple Zone Valve Assembly With Gauges (Amico VBU-M-050507)	805.93	156.38
22 63 13 70-0028	EA 1/2" x 1/2" x 1" Triple Zone Valve Assembly With Gauges (Amico VBU-M-050510)	838.76	161.83
22 63 13 70-0029	EA 1/2" x 1/2" x 1-1/4" Triple Zone Valve Assembly With Gauges (Amico VBU-M-050512)	905.71	170.41
22 63 13 70-0030	EA 1/2" x 1/2" x 1-1/2" Triple Zone Valve Assembly With Gauges (Amico VBU-M-050515)	988.73	176.57
22 63 13 70-0031	EA 1/2" x 3/4" x 3/4" Triple Zone Valve Assembly With Gauges (Amico VBU-M-050707)	835.42	163.14
22 63 13 70-0032	EA 1/2" x 3/4" x 1" Triple Zone Valve Assembly With Gauges (Amico VBU-M-050710)	868.23	168.59
22 63 13 70-0033	EA 1/2" x 3/4" x 1-1/4" Triple Zone Valve Assembly With Gauges (Amico VBU-M-050712)	933.37	177.18
22 63 13 70-0034	EA 1/2" x 3/4" x 1-1/2" Triple Zone Valve Assembly With Gauges (Amico VBU-M-050715)	1,016.39	183.34
22 63 13 70-0035	EA 1/2" x 1" x 1" Triple Zone Valve Assembly With Gauges (Amico VBU-M-051010)	901.05	174.15
22 63 13 70-0036	EA 1/2" x 1" x 1-1/4" Triple Zone Valve Assembly With Gauges (Amico VBU-M-051012)	966.20	182.73
22 63 13 70-0037	EA 1/2" x 1" x 1-1/2" Triple Zone Valve Assembly With Gauges (Amico VBU-M-051015)	1,049.20	188.89
22 63 13 70-0038	EA 3/4" x 3/4" x 3/4" Triple Zone Valve Assembly With Gauges (Amico VBU-M-070707)	863.09	169.90
22 63 13 70-0039	EA 3/4" x 3/4" x 1" Triple Zone Valve Assembly With Gauges (Amico VBU-M-070710)	895.90	175.46
22 63 13 70-0040	EA 3/4" x 3/4" x 1-1/4" Triple Zone Valve Assembly With Gauges (Amico VBU-M-070712)	961.04	183.94
22 63 13 70-0041	EA 3/4" x 3/4" x 1-1/2" Triple Zone Valve Assembly With Gauges (Amico VBU-M-070715)	1,044.06	190.10
22 63 13 70-0042	EA 3/4" x 1" x 1" Triple Zone Valve Assembly With Gauges (Amico VBU-M-071010)	928.73	180.91
22 63 13 70-0043	EA 3/4" x 1" x 1-1/4" Triple Zone Valve Assembly With Gauges (Amico VBU-M-071012)	993.86	189.49
22 63 13 70-0044	EA 3/4" x 1" x 1-1/2" Triple Zone Valve Assembly With Gauges (Amico VBU-M-071015)	1,075.05	195.65
22 63 13 70-0045	EA 1" x 1" x 1" Triple Zone Valve Assembly With Gauges (Amico VBU-M-101010)	914.28	186.46
22 63 13 70-0046	EA 1" x 1" x 1-1/4" Triple Zone Valve Assembly With Gauges (Amico VBU-M-101012)	977.60	194.95
22 63 13 70-0047	EA 1" x 1" x 1-1/2" Triple Zone Valve Assembly With Gauges (Amico VBU-M-101015)	1,109.70	201.21

**22 63 13 70-0048 Medical Gas Copper Pipe And Fittings** (22 63 13 70)

**22 63 13 70-0049 Medical Gas Copper Pipe, ASTM B819** (22 63 13 70-0048)

22 63 13 70-0050	LF 1/4" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 1/4")	7.75	3.51
22 63 13 70-0051	LF 3/8" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 3/8")	9.45	3.51
22 63 13 70-0052	LF 1/2" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 1/2")	10.11	3.51
22 63 13 70-0053	LF 5/8" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 5/8")	11.31	3.51
22 63 13 70-0054	LF 3/4" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 3/4")	15.29	3.51
22 63 13 70-0055	LF 1" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 1")	17.81	3.51
22 63 13 70-0056	LF 1-1/4" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 1-1/4")	21.34	3.51
22 63 13 70-0057	LF 1-1/2" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 1-1/2")	26.49	3.51
22 63 13 70-0058	LF 2" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 2")	37.16	3.51
22 63 13 70-0059	LF 2-1/2" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 2-1/2")	51.98	5.81
22 63 13 70-0060	LF 3" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 3")	62.95	5.81
22 63 13 70-0061	LF 3-1/2" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 3-1/2")	80.59	8.77
22 63 13 70-0062	LF 4" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 4")	110.82	8.77

**22 63 13 70-0063 Medical Gas Copper Fittings** (22 63 13 70-0048)

**22 63 13 70-0064 Medical Gas Copper 90 Degree Elbows** (22 63 13 70-0063)

22 63 13 70-0065	EA 1/4" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P049)	43.58	26.64
22 63 13 70-0066	EA 3/8" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P050)	45.03	27.84
22 63 13 70-0067	EA 1/2" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P079)	47.70	29.27
22 63 13 70-0068	EA 5/8" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P080)	53.27	30.80
22 63 13 70-0069	EA 3/4" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P081)	52.49	30.80
22 63 13 70-0070	EA 1" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P082)	64.02	36.61
22 63 13 70-0071	EA 1-1/4" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P055)	68.24	39.02
22 63 13 70-0072	EA 1-1/2" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P056)	83.27	44.94
22 63 13 70-0073	EA 2" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P057)	103.22	53.16
22 63 13 70-0074	EA 2-1/2" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P058)	187.90	90.00

## 22 Plumbing

## 22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities

## 22 63 Gas Systems for Laboratory and Healthcare Facilities

	MINOR		DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 63 13 70-0075	EA	3"	90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 1VMA3)	230.93	106.34
22 63 13 70-0076	EA	4"	90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 1VMA4)	359.70	130.02
<b>22 63 13 70-0077 Medical Gas Copper Tees <small>(22 63 13 70-0063)</small></b>					
22 63 13 70-0078	EA	1/4"	Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P095)	66.42	39.02
22 63 13 70-0079	EA	3/8"	Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P096)	68.71	41.77
22 63 13 70-0080	EA	1/2"	Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P098)	69.29	44.94
22 63 13 70-0081	EA	5/8"	Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R568)	88.84	48.78
22 63 13 70-0082	EA	3/4"	Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P103)	77.50	48.78
22 63 13 70-0083	EA	1"	Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P109)	101.51	58.54
22 63 13 70-0084	EA	1-1/4"	Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P113)	117.88	65.01
22 63 13 70-0085	EA	1-1/2"	Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P117)	137.52	73.12
22 63 13 70-0086	EA	2"	Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R499)	173.48	83.53
22 63 13 70-0087	EA	2-1/2"	Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 1VMD9)	300.38	146.24
22 63 13 70-0088	EA	3"	Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 1VME5)	384.97	167.18
22 63 13 70-0089	EA	4"	Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 1VMG2)	624.59	233.94
<b>22 63 13 70-0090 Medical Gas Copper Couplings <small>(22 63 13 70-0063)</small></b>					
22 63 13 70-0091	EA	1/4"	Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R491)	36.09	23.35
22 63 13 70-0092	EA	3/8"	Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R495)	37.90	24.34
22 63 13 70-0093	EA	1/2"	Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R489)	39.04	25.43
22 63 13 70-0094	EA	5/8"	Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R493)	43.19	26.64
22 63 13 70-0095	EA	3/4"	Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R490)	43.58	27.84
22 63 13 70-0096	EA	1"	Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R492)	52.71	32.44
22 63 13 70-0097	EA	1-1/4"	Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R501)	59.25	34.42
22 63 13 70-0098	EA	1-1/2"	Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R509)	68.04	39.02
22 63 13 70-0099	EA	2"	Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R516)	82.51	44.94
22 63 13 70-0100	EA	2-1/2"	Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R615)	152.15	77.94
22 63 13 70-0101	EA	3"	Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R690)	187.91	90.00
22 63 13 70-0102	EA	4"	Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R692)	253.05	109.62
<b>22 63 13 70-0103 Medical Gas Copper Caps <small>(22 63 13 70-0063)</small></b>					
22 63 13 70-0104	EA	1/4"	Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R498)	23.26	14.58
22 63 13 70-0105	EA	3/8"	Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R521)	24.01	14.58
22 63 13 70-0106	EA	1/2"	Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P121)	22.69	14.58
22 63 13 70-0107	EA	5/8"	Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R511)	25.64	15.35
22 63 13 70-0108	EA	3/4"	Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P122)	24.37	15.35
22 63 13 70-0109	EA	1"	Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P123)	31.15	18.31
22 63 13 70-0110	EA	1-1/4"	Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P124)	35.58	20.18
22 63 13 70-0111	EA	1-1/2"	Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P125)	41.38	22.47
22 63 13 70-0112	EA	2"	Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P126)	53.94	26.64
22 63 13 70-0113	EA	2-1/2"	Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 1VMG6)	87.13	29.27
22 63 13 70-0114	EA	3"	Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 1VMG7)	106.67	32.44
22 63 13 70-0115	EA	4"	Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 1VMG8)	157.50	36.61
<b>22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities <small>(22 60)</small></b>					
<b>22 66 53 Laboratory Chemical-Waste and Vent Piping <small>(22 66)</small></b>					
<b>22 66 53 00-0001 Polypropylene Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings <small>(22 66 53)</small></b>					
<b>22 66 53 00-0002 Schedule 40 Polypropylene Acid Resistant DWV Pipe And Fuseal Fittings <small>(22 66 53 00-0001)</small></b>					
<b>22 66 53 00-0003 Schedule 40 Polypropylene Acid Resistant DWV Pipe <small>(22 66 53 00-0002)</small></b>					
22 66 53 00-0004	LF	1-1/2"	Schedule 40 Polypropylene Acid Resistant DWV Pipe	19.07	5.75
			<i>For Schedule 80, Add</i>	5.41	
			<i>For Fire Retardant Thermoplastic Pipe (Proxylene), Add</i>	4.63	
			<i>For Work In Restricted Working Space, Add</i>	2.60	
22 66 53 00-0005	LF	2"	Schedule 40 Polypropylene Acid Resistant DWV Pipe	23.83	6.46
			<i>For Schedule 80, Add</i>	7.32	
			<i>For Fire Retardant Thermoplastic Pipe (Proxylene), Add</i>	6.26	
			<i>For Work In Restricted Working Space, Add</i>	2.93	
22 66 53 00-0006	LF	3"	Schedule 40 Polypropylene Acid Resistant DWV Pipe	39.52	9.39
			<i>For Schedule 80, Add</i>	13.21	
			<i>For Fire Retardant Thermoplastic Pipe (Proxylene), Add</i>	11.30	
			<i>For Work In Restricted Working Space, Add</i>	4.24	
22 66 53 00-0007	LF	4"	Schedule 40 Polypropylene Acid Resistant DWV Pipe	54.41	12.21
			<i>For Schedule 80, Add</i>	18.75	
			<i>For Fire Retardant Thermoplastic Pipe (Proxylene), Add</i>	16.05	
			<i>For Work In Restricted Working Space, Add</i>	5.51	
22 66 53 00-0008	LF	6"	Schedule 40 Polypropylene Acid Resistant DWV Pipe	91.91	17.97
			<i>For Schedule 80, Add</i>	33.79	
			<i>For Fire Retardant Thermoplastic Pipe (Proxylene), Add</i>	28.92	
			<i>For Work In Restricted Working Space, Add</i>	8.08	
<b>22 66 53 00-0009 Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bends <small>(22 66 53 00-0002)</small></b>					
22 66 53 00-0010	EA	1-1/2"	Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	74.51	21.71
			<i>For Work In Restricted Working Space, Add</i>	9.77	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0011 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend..... <i>For Work In Restricted Working Space, Add</i>	95.06 12.89	28.67
22 66 53 00-0012 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend..... <i>For Work In Restricted Working Space, Add</i>	137.71 14.78	32.81
22 66 53 00-0013 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend..... <i>For Work In Restricted Working Space, Add</i>	205.94 19.54	43.41
22 66 53 00-0014 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend..... <i>For Work In Restricted Working Space, Add</i>	442.21 28.84	64.11
<b>22 66 53 00-0015 Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bends</b> <small>(22 66 53 00-0002)</small>		
22 66 53 00-0016 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	73.80 9.77	21.71
22 66 53 00-0017 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	93.17 12.89	28.67
22 66 53 00-0018 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	141.33 14.78	32.81
22 66 53 00-0019 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	169.55 19.54	43.41
22 66 53 00-0020 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	385.81 28.84	64.11
<b>22 66 53 00-0021 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tees</b> <small>(22 66 53 00-0002)</small>		
22 66 53 00-0022 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	121.73 20.89	46.44
22 66 53 00-0023 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	150.22 26.34	58.55
22 66 53 00-0024 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	221.03 28.84	64.11
22 66 53 00-0025 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	313.22 37.86	84.20
22 66 53 00-0026 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	573.85 60.57	134.67
<b>22 66 53 00-0027 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tees</b> <small>(22 66 53 00-0002)</small>		
22 66 53 00-0028 EA 2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee ..... <i>For Work In Restricted Working Space, Add</i>	150.13 26.34	58.55
22 66 53 00-0029 EA 3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	212.31 28.84	64.11
22 66 53 00-0030 EA 3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee ..... <i>For Work In Restricted Working Space, Add</i>	204.56 28.84	64.11
22 66 53 00-0031 EA 4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	293.34 37.86	84.20
22 66 53 00-0032 EA 4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	300.84 37.86	84.20
22 66 53 00-0033 EA 6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	518.50 60.57	134.67
<b>22 66 53 00-0034 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tees With Plug</b> <small>(22 66 53 00-0002)</small>		
22 66 53 00-0035 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug ..... <i>For Work In Restricted Working Space, Add</i>	147.18 20.89	46.44
22 66 53 00-0036 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug ..... <i>For Work In Restricted Working Space, Add</i>	156.36 26.34	58.55
22 66 53 00-0037 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug ..... <i>For Work In Restricted Working Space, Add</i>	239.86 28.84	64.11
22 66 53 00-0038 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug ..... <i>For Work In Restricted Working Space, Add</i>	321.90 37.86	84.20
22 66 53 00-0039 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug ..... <i>For Work In Restricted Working Space, Add</i>	466.52 60.57	134.67
<b>22 66 53 00-0040 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wyes</b> <small>(22 66 53 00-0002)</small>		
22 66 53 00-0041 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye..... <i>For Work In Restricted Working Space, Add</i>	136.01 20.89	46.44
22 66 53 00-0042 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye..... <i>For Work In Restricted Working Space, Add</i>	163.44 26.34	58.55
22 66 53 00-0043 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye..... <i>For Work In Restricted Working Space, Add</i>	228.91 28.84	64.11
22 66 53 00-0044 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye..... <i>For Work In Restricted Working Space, Add</i>	319.75 37.86	84.20
22 66 53 00-0045 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye..... <i>For Work In Restricted Working Space, Add</i>	693.26 60.57	134.67
<b>22 66 53 00-0046 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wyes</b> <small>(22 66 53 00-0002)</small>		
22 66 53 00-0047 EA 2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	180.92 26.34	58.55
22 66 53 00-0048 EA 3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	219.94 28.84	64.11

**22 Plumbing****22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0049	EA		3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	219.94 28.84	64.11
22 66 53 00-0050	EA		4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	312.00 37.86	84.20
22 66 53 00-0051	EA		4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	312.00 37.86	84.20
22 66 53 00-0052	EA		6" x 6" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	590.40 60.57	134.67
22 66 53 00-0053	EA		6" x 6" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	596.42 60.57	134.67
22 66 53 00-0054	EA		6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	521.03 60.57	134.67
<b>22 66 53 00-0055</b>			<b>Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Crosses <sup>(22 66 53 00-0002)</sup></b>		
22 66 53 00-0056	EA		1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross..... <i>For Work In Restricted Working Space, Add</i>	168.71 26.11	58.05
22 66 53 00-0057	EA		2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross..... <i>For Work In Restricted Working Space, Add</i>	207.59 32.92	73.20
22 66 53 00-0058	EA		3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross..... <i>For Work In Restricted Working Space, Add</i>	315.96 36.05	80.16
22 66 53 00-0059	EA		4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross..... <i>For Work In Restricted Working Space, Add</i>	450.92 47.32	105.19
22 66 53 00-0060	EA		6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross..... <i>For Work In Restricted Working Space, Add</i>	835.44 75.72	168.29
<b>22 66 53 00-0061</b>			<b>Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bends <sup>(22 66 53 00-0002)</sup></b>		
22 66 53 00-0062	EA		1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	117.08 20.89	46.44
22 66 53 00-0063	EA		2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	157.11 26.34	58.55
22 66 53 00-0064	EA		3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	184.85 28.84	64.11
22 66 53 00-0065	EA		4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	264.15 37.86	84.20
22 66 53 00-0066	EA		2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	136.48 26.34	58.55
22 66 53 00-0067	EA		3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	176.55 28.84	64.11
22 66 53 00-0068	EA		3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	179.88 28.84	64.11
22 66 53 00-0069	EA		4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	251.81 37.86	84.20
22 66 53 00-0070	EA		4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	253.91 37.86	84.20
<b>22 66 53 00-0071</b>			<b>Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Traps <sup>(22 66 53 00-0002)</sup></b>		
22 66 53 00-0072	EA		1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap..... <i>For Work In Restricted Working Space, Add</i>	140.28 24.23	53.91
22 66 53 00-0073	EA		2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap..... <i>For Work In Restricted Working Space, Add</i>	188.15 31.88	70.87
22 66 53 00-0074	EA		3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap..... <i>For Work In Restricted Working Space, Add</i>	305.30 43.27	96.21
22 66 53 00-0075	EA		4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap..... <i>For Work In Restricted Working Space, Add</i>	454.22 55.07	122.46
<b>22 66 53 00-0076</b>			<b>Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapters <sup>(22 66 53 00-0002)</sup></b>		
22 66 53 00-0077	EA		1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter..... <i>For Work In Restricted Working Space, Add</i>	72.53 9.77	21.71
22 66 53 00-0078	EA		2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter..... <i>For Work In Restricted Working Space, Add</i>	84.62 12.89	28.67
22 66 53 00-0079	EA		3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter..... <i>For Work In Restricted Working Space, Add</i>	100.81 14.78	32.81
22 66 53 00-0080	EA		4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter..... <i>For Work In Restricted Working Space, Add</i>	139.43 19.54	43.41
22 66 53 00-0081	EA		6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter..... <i>For Work In Restricted Working Space, Add</i>	207.43 28.84	64.11
<b>22 66 53 00-0082</b>			<b>Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapters <sup>(22 66 53 00-0002)</sup></b>		
22 66 53 00-0083	EA		1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter..... <i>For Work In Restricted Working Space, Add</i>	67.52 9.77	21.71
22 66 53 00-0084	EA		2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter..... <i>For Work In Restricted Working Space, Add</i>	88.41 12.89	28.67
22 66 53 00-0085	EA		3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter..... <i>For Work In Restricted Working Space, Add</i>	107.76 14.78	32.81
22 66 53 00-0086	EA		4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter..... <i>For Work In Restricted Working Space, Add</i>	146.26 19.54	43.41

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>22 66 53 00-0087</b>	<b>Schedule 40 Polypropylene Acid Resistant DWV Fuseal Couplings</b> <small>(22 66 53 00-0002)</small>		
22 66 53 00-0088	EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling..... <i>For Work In Restricted Working Space, Add</i>	61.29 9.77	21.71
22 66 53 00-0089	EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling..... <i>For Work In Restricted Working Space, Add</i>	77.21 12.89	28.67
22 66 53 00-0090	EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling..... <i>For Work In Restricted Working Space, Add</i>	90.82 14.78	32.81
22 66 53 00-0091	EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling..... <i>For Work In Restricted Working Space, Add</i>	120.10 19.54	43.41
22 66 53 00-0092	EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling..... <i>For Work In Restricted Working Space, Add</i>	176.05 28.84	64.11
<b>22 66 53 00-0093</b>	<b>Glass Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings</b> <small>(22 66 53)</small>		
<b>22 66 53 00-0094</b>	<b>Glass Acid Resistant DWV Pipe</b> <small>(22 66 53 00-0093)</small>		
22 66 53 00-0095	LF 1-1/2" Glass Acid Resistant DWV Pipe..... <i>For Work In Restricted Working Space, Add</i>	22.37 3.33	5.55
22 66 53 00-0096	LF 2" Glass Acid Resistant DWV Pipe..... <i>For Work In Restricted Working Space, Add</i>	27.44 3.63	6.06
22 66 53 00-0097	LF 3" Glass Acid Resistant DWV Pipe..... <i>For Work In Restricted Working Space, Add</i>	38.07 5.11	8.48
22 66 53 00-0098	LF 4" Glass Acid Resistant DWV Pipe..... <i>For Work In Restricted Working Space, Add</i>	60.31 6.61	11.01
22 66 53 00-0099	LF 6" Glass Acid Resistant DWV Pipe..... <i>For Work In Restricted Working Space, Add</i>	98.69 9.01	15.05
<b>22 66 53 00-0100</b>	<b>Glass Acid Resistant DWV 90 Or 60 Degree Sweeps</b> <small>(22 66 53 00-0093)</small>		
22 66 53 00-0101	EA 1-1/2" Glass Acid Resistant DWV 90 Or 60 Degree Sweep..... <i>For Work In Restricted Working Space, Add</i>	73.32 14.81	24.73
22 66 53 00-0102	EA 2" Glass Acid Resistant DWV 90 Or 60 Degree Sweep..... <i>For Work In Restricted Working Space, Add</i>	82.62 15.72	26.25
22 66 53 00-0103	EA 3" Glass Acid Resistant DWV 90 Or 60 Degree Sweep..... <i>For Work In Restricted Working Space, Add</i>	109.36 17.87	29.78
22 66 53 00-0104	EA 4" Glass Acid Resistant DWV 90 Or 60 Degree Sweep..... <i>For Work In Restricted Working Space, Add</i>	158.26 23.63	39.37
22 66 53 00-0105	EA 6" Glass Acid Resistant DWV 90 Or 60 Degree Sweep..... <i>For Work In Restricted Working Space, Add</i>	351.36 32.71	54.51
<b>22 66 53 00-0106</b>	<b>Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweeps</b> <small>(22 66 53 00-0093)</small>		
22 66 53 00-0107	EA 1-1/2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep..... <i>For Work In Restricted Working Space, Add</i>	73.52 14.87	24.83
22 66 53 00-0108	EA 2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep..... <i>For Work In Restricted Working Space, Add</i>	82.21 15.59	25.94
22 66 53 00-0109	EA 3" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep..... <i>For Work In Restricted Working Space, Add</i>	109.16 17.81	29.68
22 66 53 00-0110	EA 4" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep..... <i>For Work In Restricted Working Space, Add</i>	158.26 23.63	39.37
22 66 53 00-0111	EA 6" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep..... <i>For Work In Restricted Working Space, Add</i>	351.34 32.71	54.51
<b>22 66 53 00-0112</b>	<b>Glass Acid Resistant DWV 90 Or 60 Degree Bends</b> <small>(22 66 53 00-0093)</small>		
22 66 53 00-0113	EA 1-1/2" Glass Acid Resistant DWV 90 Or 60 Degree Bend..... <i>For Work In Restricted Working Space, Add</i>	74.18 14.87	24.83
22 66 53 00-0114	EA 2" Glass Acid Resistant DWV 90 Or 60 Degree Bend..... <i>For Work In Restricted Working Space, Add</i>	83.00 15.59	25.94
22 66 53 00-0115	EA 3" Glass Acid Resistant DWV 90 Or 60 Degree Bend..... <i>For Work In Restricted Working Space, Add</i>	110.53 17.81	29.68
22 66 53 00-0116	EA 4" Glass Acid Resistant DWV 90 Or 60 Degree Bend..... <i>For Work In Restricted Working Space, Add</i>	158.26 23.63	39.37
<b>22 66 53 00-0117</b>	<b>Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bends</b> <small>(22 66 53 00-0093)</small>		
22 66 53 00-0118	EA 1-1/2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend..... <i>For Work In Restricted Working Space, Add</i>	74.18 14.87	24.83
22 66 53 00-0119	EA 2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend..... <i>For Work In Restricted Working Space, Add</i>	83.00 15.59	25.94
22 66 53 00-0120	EA 3" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend..... <i>For Work In Restricted Working Space, Add</i>	110.53 17.81	29.68
22 66 53 00-0121	EA 4" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend..... <i>For Work In Restricted Working Space, Add</i>	158.26 23.63	39.37
<b>22 66 53 00-0122</b>	<b>Glass Acid Resistant DWV 90 Degree Bends With Long Leg</b> <small>(22 66 53 00-0093)</small>		
22 66 53 00-0123	EA 1-1/2" Glass Acid Resistant DWV 90 Degree Bend With Long Leg..... <i>For Work In Restricted Working Space, Add</i>	83.51 14.87	24.83
22 66 53 00-0124	EA 2" Glass Acid Resistant DWV 90 Degree Bends With Long Leg..... <i>For Work In Restricted Working Space, Add</i>	96.41 15.59	25.94
<b>22 66 53 00-0125</b>	<b>Glass Acid Resistant DWV Double Quarter Bends</b> <small>(22 66 53 00-0093)</small>		
22 66 53 00-0126	EA 1-1/2" Glass Acid Resistant DWV Double Quarter Bend..... <i>For Work In Restricted Working Space, Add</i>	117.16 22.31	37.15

**22 Plumbing****22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0127	EA		2" x 1-1/2" Glass Acid Resistant DWV Double Quarter Bend ..... <i>For Work In Restricted Working Space, Add</i>	141.71 23.08	38.47
22 66 53 00-0128	EA		2" Glass Acid Resistant DWV Double Quarter Bend ..... <i>For Work In Restricted Working Space, Add</i>	134.14 23.40	38.97
22 66 53 00-0129	EA		3" Glass Acid Resistant DWV Double Quarter Bend ..... <i>For Work In Restricted Working Space, Add</i>	176.09 26.72	44.52
22 66 53 00-0130	EA		4" Glass Acid Resistant DWV Double Quarter Bend ..... <i>For Work In Restricted Working Space, Add</i>	280.85 35.43	59.06
22 66 53 00-0131	EA		6" Glass Acid Resistant DWV Double Quarter Bend ..... <i>For Work In Restricted Working Space, Add</i>	424.80 49.07	81.77
<b>22 66 53 00-0132</b>			<b>Glass Acid Resistant DWV Sanitary Tees (22 66 53 00-0093)</b>		
22 66 53 00-0133	EA		1-1/2" Glass Acid Resistant DWV Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	113.32 22.41	37.35
22 66 53 00-0134	EA		2" Glass Acid Resistant DWV Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	116.34 23.32	38.87
22 66 53 00-0135	EA		3" Glass Acid Resistant DWV Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	146.43 26.65	44.42
22 66 53 00-0136	EA		4" Glass Acid Resistant DWV Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	221.44 35.43	59.06
22 66 53 00-0137	EA		6" Glass Acid Resistant DWV Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	440.35 49.06	81.77
<b>22 66 53 00-0138</b>			<b>Glass Acid Resistant DWV Reducing Sanitary Tees (22 66 53 00-0093)</b>		
22 66 53 00-0139	EA		2" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	115.33 23.02	38.37
22 66 53 00-0140	EA		3" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	134.71 25.14	41.89
22 66 53 00-0141	EA		3" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	142.02 25.74	42.90
22 66 53 00-0142	EA		4" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	181.00 31.19	51.99
22 66 53 00-0143	EA		4" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	188.36 31.50	52.50
22 66 53 00-0144	EA		4" x 3" Glass Acid Resistant DWV Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	197.09 32.41	54.01
22 66 53 00-0145	EA		6" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	329.58 40.59	67.64
22 66 53 00-0146	EA		6" x 3" Glass Acid Resistant DWV Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	352.89 41.49	69.15
22 66 53 00-0147	EA		6" x 4" Glass Acid Resistant DWV Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	364.09 44.52	74.20
<b>22 66 53 00-0148</b>			<b>Glass Acid Resistant DWV Double Sanitary Tees (22 66 53 00-0093)</b>		
22 66 53 00-0149	EA		1-1/2" Glass Acid Resistant DWV Double Sanitary Tee ..... <i>For Work In Restricted Working Space, Add</i>	158.16 29.68	49.47
22 66 53 00-0150	EA		2" Glass Acid Resistant DWV Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	163.19 31.19	51.99
22 66 53 00-0151	EA		3" Glass Acid Resistant DWV Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	206.15 35.74	59.56
22 66 53 00-0152	EA		4" Glass Acid Resistant DWV Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	324.28 47.24	78.75
22 66 53 00-0153	EA		6" Glass Acid Resistant DWV Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	558.25 65.43	109.03
<b>22 66 53 00-0154</b>			<b>Glass Acid Resistant DWV Reducing Double Sanitary Tees (22 66 53 00-0093)</b>		
22 66 53 00-0155	EA		2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee ..... <i>For Work In Restricted Working Space, Add</i>	161.17 30.59	50.98
22 66 53 00-0156	EA		3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee ..... <i>For Work In Restricted Working Space, Add</i>	183.30 32.71	54.51
22 66 53 00-0157	EA		3" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	192.34 33.32	55.53
22 66 53 00-0158	EA		4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee ..... <i>For Work In Restricted Working Space, Add</i>	269.11 38.47	64.11
22 66 53 00-0159	EA		4" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	267.93 39.37	65.62
22 66 53 00-0160	EA		4" x 3" Glass Acid Resistant DWV Reducing Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	286.75 41.50	69.15
22 66 53 00-0161	EA		6" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	373.07 48.45	80.76
22 66 53 00-0162	EA		6" x 3" Glass Acid Resistant DWV Reducing Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	403.39 50.57	84.30
22 66 53 00-0163	EA		6" x 4" Glass Acid Resistant DWV Reducing Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	455.85 56.32	93.89
<b>22 66 53 00-0164</b>			<b>Glass Acid Resistant DWV Tees (22 66 53 00-0093)</b>		
22 66 53 00-0165	EA		1-1/2" Glass Acid Resistant DWV Tee..... <i>For Work In Restricted Working Space, Add</i>	122.49 22.42	37.35
22 66 53 00-0166	EA		2" Glass Acid Resistant DWV Tee ..... <i>For Work In Restricted Working Space, Add</i>	125.50 23.32	38.87
22 66 53 00-0167	EA		3" Glass Acid Resistant DWV Tee ..... <i>For Work In Restricted Working Space, Add</i>	157.81 26.65	44.42

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0168 EA 4" Glass Acid Resistant DWV Tee..... <i>For Work In Restricted Working Space, Add</i>	239.29 35.43	59.06
22 66 53 00-0169 EA 6" Glass Acid Resistant DWV Tee..... <i>For Work In Restricted Working Space, Add</i>	461.77 49.07	81.77
<b>22 66 53 00-0170 Glass Acid Resistant DWV Reducing Tees (22 66 53 00-0093)</b>		
22 66 53 00-0171 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	124.48 23.01	38.37
22 66 53 00-0172 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	144.27 25.14	41.89
22 66 53 00-0173 EA 3" x 2" Glass Acid Resistant DWV Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	147.65 25.74	42.90
22 66 53 00-0174 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	183.11 31.20	51.99
22 66 53 00-0175 EA 4" x 2" Glass Acid Resistant DWV Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	187.37 31.49	52.50
22 66 53 00-0176 EA 4" x 3" Glass Acid Resistant DWV Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	218.58 32.42	54.01
22 66 53 00-0177 EA 6" x 3" Glass Acid Resistant DWV Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	392.13 41.49	69.15
22 66 53 00-0178 EA 6" x 4" Glass Acid Resistant DWV Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	410.01 44.51	74.20
<b>22 66 53 00-0179 Glass Acid Resistant DWV Test Tees With Cleanout (22 66 53 00-0093)</b>		
22 66 53 00-0180 EA 1-1/2" Glass Acid Resistant DWV Test Tee With Cleanout..... <i>For Work In Restricted Working Space, Add</i>	138.20 22.42	37.35
22 66 53 00-0181 EA 2" Glass Acid Resistant DWV Test Tee With Cleanout..... <i>For Work In Restricted Working Space, Add</i>	152.13 23.32	38.87
22 66 53 00-0182 EA 3" Glass Acid Resistant DWV Test Tee With Cleanout..... <i>For Work In Restricted Working Space, Add</i>	191.38 26.65	44.42
22 66 53 00-0183 EA 4" Glass Acid Resistant DWV Test Tee With Cleanout..... <i>For Work In Restricted Working Space, Add</i>	315.79 35.43	59.06
22 66 53 00-0184 EA 6" Glass Acid Resistant DWV Test Tee With Cleanout..... <i>For Work In Restricted Working Space, Add</i>	461.77 49.07	81.77
<b>22 66 53 00-0185 Glass Acid Resistant DWV Wyes (22 66 53 00-0093)</b>		
22 66 53 00-0186 EA 1-1/2" Glass Acid Resistant DWV Wye..... <i>For Work In Restricted Working Space, Add</i>	115.29 22.42	37.35
22 66 53 00-0187 EA 2" Glass Acid Resistant DWV Wye..... <i>For Work In Restricted Working Space, Add</i>	118.30 23.32	38.87
22 66 53 00-0188 EA 3" Glass Acid Resistant DWV Wye..... <i>For Work In Restricted Working Space, Add</i>	154.28 26.65	44.42
22 66 53 00-0189 EA 4" Glass Acid Resistant DWV Wye..... <i>For Work In Restricted Working Space, Add</i>	230.20 35.43	59.06
22 66 53 00-0190 EA 6" Glass Acid Resistant DWV Wye..... <i>For Work In Restricted Working Space, Add</i>	434.35 49.07	81.77
<b>22 66 53 00-0191 Glass Acid Resistant DWV Reducing Wyes (22 66 53 00-0093)</b>		
22 66 53 00-0192 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	117.28 23.01	38.37
22 66 53 00-0193 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	138.77 25.14	41.89
22 66 53 00-0194 EA 3" x 2" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	142.48 25.74	42.90
22 66 53 00-0195 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	188.87 31.20	51.99
22 66 53 00-0196 EA 4" x 2" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	190.64 31.49	52.50
22 66 53 00-0197 EA 4" x 3" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	204.84 32.42	54.01
22 66 53 00-0198 EA 6" x 2" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	321.04 40.58	67.64
22 66 53 00-0199 EA 6" x 3" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	364.91 41.49	69.15
22 66 53 00-0200 EA 6" x 4" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	395.87 44.51	74.20
<b>22 66 53 00-0201 Glass Acid Resistant DWV Double Wyes (22 66 53 00-0093)</b>		
22 66 53 00-0202 EA 1-1/2" Glass Acid Resistant DWV Double Wye..... <i>For Work In Restricted Working Space, Add</i>	177.92 29.68	49.47
22 66 53 00-0203 EA 2" Glass Acid Resistant DWV Double Wye..... <i>For Work In Restricted Working Space, Add</i>	182.98 31.20	51.99
22 66 53 00-0204 EA 3" Glass Acid Resistant DWV Double Wye..... <i>For Work In Restricted Working Space, Add</i>	236.84 35.73	59.56
22 66 53 00-0205 EA 4" Glass Acid Resistant DWV Double Wye..... <i>For Work In Restricted Working Space, Add</i>	355.60 47.24	78.75
22 66 53 00-0206 EA 6" Glass Acid Resistant DWV Double Wye..... <i>For Work In Restricted Working Space, Add</i>	575.21 65.44	109.03
<b>22 66 53 00-0207 Glass Acid Resistant DWV Reducing Double Wyes (22 66 53 00-0093)</b>		

**22 Plumbing**

**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities**

**22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

22 66 53 00-0208	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye.....	180.93	50.98
		<i>For Work In Restricted Working Space, Add</i>	30.58	
22 66 53 00-0209	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye.....	188.01	54.51
		<i>For Work In Restricted Working Space, Add</i>	32.71	
22 66 53 00-0210	EA	3" x 2" Glass Acid Resistant DWV Reducing Double Wye.....	211.49	55.53
		<i>For Work In Restricted Working Space, Add</i>	33.31	
22 66 53 00-0211	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye.....	256.83	64.11
		<i>For Work In Restricted Working Space, Add</i>	38.47	
22 66 53 00-0212	EA	4" x 2" Glass Acid Resistant DWV Reducing Double Wye.....	269.51	65.62
		<i>For Work In Restricted Working Space, Add</i>	39.37	
22 66 53 00-0213	EA	4" x 3" Glass Acid Resistant DWV Reducing Double Wye.....	310.72	69.15
		<i>For Work In Restricted Working Space, Add</i>	41.49	
22 66 53 00-0214	EA	6" x 2" Glass Acid Resistant DWV Reducing Double Wye.....	460.17	80.76
		<i>For Work In Restricted Working Space, Add</i>	48.44	
22 66 53 00-0215	EA	6" x 3" Glass Acid Resistant DWV Reducing Double Wye.....	482.64	84.30
		<i>For Work In Restricted Working Space, Add</i>	50.58	
22 66 53 00-0216	EA	6" x 4" Glass Acid Resistant DWV Reducing Double Wye.....	518.91	93.89
		<i>For Work In Restricted Working Space, Add</i>	56.34	

**22 66 53 00-0217 Glass Acid Resistant DWV Combination Wye And 1/8 Bends (22 66 53 00-0093)**

22 66 53 00-0218	EA	1-1/2" Glass Acid Resistant DWV Combination Wye And 1/8 Bend .....	125.65	37.35
		<i>For Work In Restricted Working Space, Add</i>	22.42	
22 66 53 00-0219	EA	2" Glass Acid Resistant DWV Combination Wye And 1/8 Bend .....	129.10	38.87
		<i>For Work In Restricted Working Space, Add</i>	23.32	
22 66 53 00-0220	EA	3" Glass Acid Resistant DWV Combination Wye And 1/8 Bend .....	160.69	44.42
		<i>For Work In Restricted Working Space, Add</i>	26.65	
22 66 53 00-0221	EA	4" Glass Acid Resistant DWV Combination Wye And 1/8 Bend .....	233.54	59.06
		<i>For Work In Restricted Working Space, Add</i>	35.43	
22 66 53 00-0222	EA	6" Glass Acid Resistant DWV Combination Wye And 1/8 Bend .....	424.99	81.77
		<i>For Work In Restricted Working Space, Add</i>	49.07	

**22 66 53 00-0223 Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bends (22 66 53 00-0093)**

22 66 53 00-0224	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	128.08	38.37
		<i>For Work In Restricted Working Space, Add</i>	23.01	
22 66 53 00-0225	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	140.41	41.89
		<i>For Work In Restricted Working Space, Add</i>	25.14	
22 66 53 00-0226	EA	3" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	149.02	42.90
		<i>For Work In Restricted Working Space, Add</i>	25.74	
22 66 53 00-0227	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	184.94	51.99
		<i>For Work In Restricted Working Space, Add</i>	31.20	
22 66 53 00-0228	EA	4" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	191.49	52.50
		<i>For Work In Restricted Working Space, Add</i>	31.49	
22 66 53 00-0229	EA	4" x 3" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	205.82	54.01
		<i>For Work In Restricted Working Space, Add</i>	32.42	
22 66 53 00-0230	EA	6" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	321.63	67.64
		<i>For Work In Restricted Working Space, Add</i>	40.58	
22 66 53 00-0231	EA	6" x 3" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	359.21	69.15
		<i>For Work In Restricted Working Space, Add</i>	41.49	
22 66 53 00-0232	EA	6" x 4" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	369.70	74.20
		<i>For Work In Restricted Working Space, Add</i>	44.51	

**22 66 53 00-0233 Glass Acid Resistant DWV Double Combination Wye And 1/8 Bends (22 66 53 00-0093)**

22 66 53 00-0234	EA	1-1/2" Double Glass Combination Wye And 1/8 Bend .....	168.10	49.47
		<i>For Work In Restricted Working Space, Add</i>	29.68	
22 66 53 00-0235	EA	2" Double Glass Combination Wye And 1/8 Bend .....	191.22	51.99
		<i>For Work In Restricted Working Space, Add</i>	31.20	
22 66 53 00-0236	EA	3" Double Glass Combination Wye And 1/8 Bend .....	249.27	59.56
		<i>For Work In Restricted Working Space, Add</i>	35.73	
22 66 53 00-0237	EA	4" Double Glass Combination Wye And 1/8 Bend .....	384.53	78.75
		<i>For Work In Restricted Working Space, Add</i>	47.24	
22 66 53 00-0238	EA	6" Double Glass Combination Wye And 1/8 Bend .....	621.37	109.03
		<i>For Work In Restricted Working Space, Add</i>	65.44	

**22 66 53 00-0239 Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bends (22 66 53 00-0093)**

22 66 53 00-0240	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend .....	172.61	50.98
		<i>For Work In Restricted Working Space, Add</i>	30.58	
22 66 53 00-0241	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend .....	211.17	54.51
		<i>For Work In Restricted Working Space, Add</i>	32.71	
22 66 53 00-0242	EA	3" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend .....	209.40	55.53
		<i>For Work In Restricted Working Space, Add</i>	33.31	
22 66 53 00-0243	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend .....	272.93	64.11
		<i>For Work In Restricted Working Space, Add</i>	38.47	
22 66 53 00-0244	EA	4" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend .....	272.07	65.62
		<i>For Work In Restricted Working Space, Add</i>	39.37	
22 66 53 00-0245	EA	4" x 3" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend .....	301.63	69.15
		<i>For Work In Restricted Working Space, Add</i>	41.49	
22 66 53 00-0246	EA	6" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend .....	418.00	80.76
		<i>For Work In Restricted Working Space, Add</i>	48.44	
22 66 53 00-0247	EA	6" x 3" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend .....	444.03	84.30
		<i>For Work In Restricted Working Space, Add</i>	50.58	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0248 EA 6" x 4" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	514.33 56.34	93.89
<b>22 66 53 00-0249 Glass Acid Resistant DWV Partition Crosses (Compact)</b> (22 66 53 00-0093)		
22 66 53 00-0250 EA 2" x 1-1/2" Glass Acid Resistant DWV Partition Cross (Compact)..... <i>For Work In Restricted Working Space, Add</i>	185.70 30.58	50.98
22 66 53 00-0251 EA 2" Glass Acid Resistant DWV Partition Cross (Compact) ..... <i>For Work In Restricted Working Space, Add</i>	187.75 31.20	51.99
22 66 53 00-0252 EA 2" x 1-1/2" x 1-1/2" x 1-1/2" Glass Acid Resistant DWV Partition Cross (Compact) ..... <i>For Work In Restricted Working Space, Add</i>	196.88 30.29	50.48
<b>22 66 53 00-0253 Glass Acid Resistant DWV Upright Y Or H (Vent Branch)</b> (22 66 53 00-0093)		
22 66 53 00-0254 EA 1-1/2" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch) ..... <i>For Work In Restricted Working Space, Add</i>	172.49 22.42	37.35
22 66 53 00-0255 EA 2" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	188.26 23.32	38.87
22 66 53 00-0256 EA 3" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	216.38 26.65	44.42
22 66 53 00-0257 EA 4" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	312.72 35.43	59.06
22 66 53 00-0258 EA 6" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	564.51 49.07	81.77
<b>22 66 53 00-0259 Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)</b> (22 66 53 00-0093)		
22 66 53 00-0260 EA 2" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	174.08 23.01	38.37
22 66 53 00-0261 EA 3" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	197.27 25.14	41.89
22 66 53 00-0262 EA 3" x 2" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	208.77 25.74	42.90
22 66 53 00-0263 EA 4" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	243.83 31.20	51.99
22 66 53 00-0264 EA 4" x 2" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	256.15 31.49	52.50
22 66 53 00-0265 EA 4" x 3" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	278.59 32.42	54.01
22 66 53 00-0266 EA 6" x 3" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	394.81 41.49	69.15
22 66 53 00-0267 EA 6" x 4" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	446.26 44.51	74.20
<b>22 66 53 00-0268 Glass Acid Resistant DWV Reducers Or Increasers</b> (22 66 53 00-0093)		
22 66 53 00-0269 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increasers, Add</i> <i>For Work In Restricted Working Space, Add</i>	71.42 1.68 15.14	25.24
22 66 53 00-0270 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increasers, Add</i> <i>For Work In Restricted Working Space, Add</i>	85.59 2.49 16.35	27.26
22 66 53 00-0271 EA 3" x 2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increasers, Add</i> <i>For Work In Restricted Working Space, Add</i>	90.34 2.78 16.66	27.76
22 66 53 00-0272 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increasers, Add</i> <i>For Work In Restricted Working Space, Add</i>	113.23 3.89 19.38	32.31
22 66 53 00-0273 EA 4" x 2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increasers, Add</i> <i>For Work In Restricted Working Space, Add</i>	117.25 4.13 19.69	32.81
22 66 53 00-0274 EA 4" x 3" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increasers, Add</i> <i>For Work In Restricted Working Space, Add</i>	124.47 4.47 20.60	34.33
22 66 53 00-0275 EA 6" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increasers, Add</i> <i>For Work In Restricted Working Space, Add</i>	221.11 11.31 23.93	39.88
22 66 53 00-0276 EA 6" x 2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increasers, Add</i> <i>For Work In Restricted Working Space, Add</i>	231.07 12.02 24.23	40.38
22 66 53 00-0277 EA 6" x 3" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increasers, Add</i> <i>For Work In Restricted Working Space, Add</i>	244.38 12.85 25.14	41.89
22 66 53 00-0278 EA 6" x 4" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increasers, Add</i> <i>For Work In Restricted Working Space, Add</i>	259.13 13.22 28.17	46.94
<b>22 66 53 00-0279 Glass Acid Resistant DWV Swivel P-Traps</b> (22 66 53 00-0093)		
22 66 53 00-0280 EA 1-1/2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	148.40 22.41	37.35
22 66 53 00-0281 EA 2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	157.41 23.02	38.37
22 66 53 00-0282 EA 2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	173.15 23.32	38.87
22 66 53 00-0283 EA 1-1/2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	157.95 22.41	37.35

**22 Plumbing****22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0284	EA		2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	169.58 23.02	38.37
22 66 53 00-0285	EA		2" Glass Acid Resistant DWV Swivel P-Trap ..... <i>For Work In Restricted Working Space, Add</i>	186.89 23.32	38.87
22 66 53 00-0286	EA		1-1/2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	160.57 22.41	37.35
22 66 53 00-0287	EA		2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	169.58 23.02	38.37
22 66 53 00-0288	EA		2" Glass Acid Resistant DWV Swivel P-Trap ..... <i>For Work In Restricted Working Space, Add</i>	186.89 23.32	38.87
<b>22 66 53 00-0289</b>			<b>Glass Acid Resistant DWV Drum P-Traps</b> (22 66 53 00-0093)		
22 66 53 00-0290	EA		1-1/2" Glass Acid Resistant DWV Drum P-Trap ..... <i>For Work In Restricted Working Space, Add</i>	190.28 22.41	37.35
22 66 53 00-0291	EA		2" x 1-1/2" Glass Acid Resistant DWV Drum P-Trap ..... <i>For Work In Restricted Working Space, Add</i>	231.81 23.02	38.37
22 66 53 00-0292	EA		3" Glass Acid Resistant DWV Drum P-Trap..... <i>For Work In Restricted Working Space, Add</i>	238.06 23.32	38.87
22 66 53 00-0293	EA		1-1/2" Glass Acid Resistant DWV Drum P-Trap ..... <i>For Work In Restricted Working Space, Add</i>	206.18 22.41	37.35
22 66 53 00-0294	EA		2" x 1-1/2" Glass Acid Resistant DWV Drum P-Trap ..... <i>For Work In Restricted Working Space, Add</i>	217.48 23.02	38.37
22 66 53 00-0295	EA		2" Glass Acid Resistant DWV Drum P-Trap..... <i>For Work In Restricted Working Space, Add</i>	241.13 23.32	38.87
<b>22 66 53 00-0296</b>			<b>Glass Acid Resistant DWV Cleanout Plugs</b> (22 66 53 00-0093)		
22 66 53 00-0297	EA		1-1/2" Glass Acid Resistant DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	34.99 7.57	12.62
22 66 53 00-0298	EA		2" Glass Acid Resistant DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	38.55 7.88	13.12
22 66 53 00-0299	EA		3" Glass Acid Resistant DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	46.88 8.78	14.64
22 66 53 00-0300	EA		4" Glass Acid Resistant DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	71.04 11.81	19.68
22 66 53 00-0301	EA		6" Glass Acid Resistant DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	100.78 16.35	27.26
<b>22 66 53 00-0302</b>			<b>Glass Acid Resistant DWV Sink Fittings</b> (22 66 53 00-0093)		
22 66 53 00-0303	EA		1-1/2" Glass Acid Resistant DWV Interceptor Trap..... <i>For Work In Restricted Working Space, Add</i>	378.42 29.68	49.47
22 66 53 00-0304	EA		1-1/2" x 6-1/2" Long Glass Acid Resistant DWV Tailpiece Assembly ..... <i>For Work In Restricted Working Space, Add</i>	43.37 7.57	12.62
22 66 53 00-0305	EA		1-1/2" x 10-1/2" Long Glass Acid Resistant DWV Tailpiece Assembly ..... <i>For Work In Restricted Working Space, Add</i>	46.84 7.57	12.62
22 66 53 00-0306	EA		1-1/2" Split Coupling (Threaded To Beaded Pipe) For Glass Acid Resistant DWV Pipe And Fittings ..... <i>For Work In Restricted Working Space, Add</i>	71.94 15.14	25.24
22 66 53 00-0307	EA		3" Diameter Hemispherical Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings..... <i>For Work In Restricted Working Space, Add</i>	124.16 15.75	26.25
22 66 53 00-0308	EA		6" Diameter Hemispherical Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings..... <i>For Work In Restricted Working Space, Add</i>	125.47 15.75	26.25
22 66 53 00-0309	EA		3" x 9" Oval Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings..... <i>For Work In Restricted Working Space, Add</i>	138.55 15.75	26.25
22 66 53 00-0310	EA		3" x 6" Oval Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings..... <i>For Work In Restricted Working Space, Add</i>	117.09 15.75	26.25
<b>22 66 53 00-0311</b>			<b>Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapters</b> (22 66 53 00-0093) Note: Includes teflon spacer.		
22 66 53 00-0312	EA		1-1/2" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter ..... <i>For Work In Restricted Working Space, Add</i>	123.06 22.35	37.25
22 66 53 00-0313	EA		2" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter ..... <i>For Work In Restricted Working Space, Add</i>	128.58 23.44	39.07
22 66 53 00-0314	EA		3" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter ..... <i>For Work In Restricted Working Space, Add</i>	169.55 26.72	44.52
22 66 53 00-0315	EA		4" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter ..... <i>For Work In Restricted Working Space, Add</i>	238.03 35.46	59.16
<b>22 66 53 00-0316</b>			<b>Bead To Bead Drainline Couplings For Glass Acid Resistant DWV Pipe And Fittings</b> (22 66 53 00-0093) Note: Includes segmented stainless steel outer band, Buna-N rubber compression liner with TFE seal ring, stainless steel bolt and silver plated stainless hex nut.		
22 66 53 00-0317	EA		1-1/2" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	16.43	
22 66 53 00-0318	EA		2" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	20.72	
22 66 53 00-0319	EA		3" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	27.70	
22 66 53 00-0320	EA		4" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	46.68	
22 66 53 00-0321	EA		6" Bead To Bead, Stainless Steel, TFE Seal Ring Couplings, Glass Piping.....	108.74	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>22 66 53 00-0322</b>	<b>Bead To Plain End Drainline Couplings For Glass Acid Resistant DWV Pipe And Fittings</b> <small>(22 66 53 00-0093)</small>		
	Note: Includes stainless steel band with bolt, Buna-N rubber compression liner with TFE seal ring and silver plated stainless hex nut.		
22 66 53 00-0323	EA 1-1/2" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	21.18	
22 66 53 00-0324	EA 2" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	26.50	
22 66 53 00-0325	EA 3" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	45.00	
22 66 53 00-0326	EA 4" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	67.08	
22 66 53 00-0327	EA 6" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	163.55	
<b>22 66 53 00-0328</b>	<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings</b> <small>(22 66 53)</small>		
	Note: Acid resistant. ASTM A518.		
<b>22 66 53 00-0329</b>	<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe</b> <small>(22 66 53 00-0328)</small>		
22 66 53 00-0330	LF 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	132.94	8.99
22 66 53 00-0331	LF 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	187.92	11.21
22 66 53 00-0332	LF 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	257.02	12.92
22 66 53 00-0333	LF 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	423.49	18.03
22 66 53 00-0334	LF 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	751.74	24.16
22 66 53 00-0335	LF 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	1,336.69	30.48
22 66 53 00-0336	LF 12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	2,391.29	41.05
22 66 53 00-0337	LF 15" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	4,274.52	47.07
<b>22 66 53 00-0338</b>	<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Fittings</b> <small>(22 66 53 00-0328)</small>		
<b>22 66 53 00-0339</b>	<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweeps</b> <small>(22 66 53 00-0338)</small>		
22 66 53 00-0340	EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	507.97	76.52
22 66 53 00-0341	EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	673.13	84.20
22 66 53 00-0342	EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	1,113.92	100.75
22 66 53 00-0343	EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	1,674.71	119.08
22 66 53 00-0344	EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	3,895.06	194.19
<b>22 66 53 00-0345</b>	<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends</b> <small>(22 66 53 00-0338)</small>		
22 66 53 00-0346	EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	277.44	76.52
22 66 53 00-0347	EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	370.29	84.20
22 66 53 00-0348	EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	467.54	100.75
22 66 53 00-0349	EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	1,317.62	119.08
22 66 53 00-0350	EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	3,034.88	194.19
22 66 53 00-0351	EA 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	4,640.41	241.94
22 66 53 00-0352	EA 12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	6,852.64	290.95
<b>22 66 53 00-0353</b>	<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends</b> <small>(22 66 53 00-0338)</small>		
22 66 53 00-0354	EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	277.44	76.52
22 66 53 00-0355	EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	370.29	84.20
22 66 53 00-0356	EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	467.54	100.75
22 66 53 00-0357	EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	946.97	119.08
22 66 53 00-0358	EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	2,555.74	194.19
22 66 53 00-0359	EA 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	3,759.66	241.94
22 66 53 00-0360	EA 12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	5,361.68	290.95
<b>22 66 53 00-0361</b>	<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends</b> <small>(22 66 53 00-0338)</small>		
22 66 53 00-0362	EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	277.44	76.52
22 66 53 00-0363	EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	370.29	84.20
22 66 53 00-0364	EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	467.30	100.65
<b>22 66 53 00-0365</b>	<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweeps</b> <small>(22 66 53 00-0338)</small>		
22 66 53 00-0366	EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep.....	394.97	76.52
22 66 53 00-0367	EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep.....	727.38	84.20
22 66 53 00-0368	EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep.....	811.07	100.75
<b>22 66 53 00-0369</b>	<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tees</b> <small>(22 66 53 00-0338)</small>		
22 66 53 00-0370	EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	388.66	114.49
22 66 53 00-0371	EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	497.63	126.90
22 66 53 00-0372	EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	706.34	151.53
22 66 53 00-0373	EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	1,217.54	178.95
22 66 53 00-0374	EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	3,876.93	291.53
22 66 53 00-0375	EA 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	5,533.56	364.03
<b>22 66 53 00-0376</b>	<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tees</b> <small>(22 66 53 00-0338)</small>		
22 66 53 00-0377	EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	363.45	109.74

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22 66 53 00-0378	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	429.80	117.81
22 66 53 00-0379	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	485.68	121.95
22 66 53 00-0380	EA	4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	559.00	134.67
22 66 53 00-0381	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	601.59	138.91
22 66 53 00-0382	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	666.41	143.06
22 66 53 00-0383	EA	6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	843.15	154.86
22 66 53 00-0384	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	943.31	158.85
22 66 53 00-0385	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	1,062.73	166.15
<b>22 66 53 00-0386</b>		<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tees</b> (22 66 53 00-0386)		
22 66 53 00-0387	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee.....	451.89	114.49
22 66 53 00-0388	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee.....	551.38	126.60
22 66 53 00-0389	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee.....	765.06	151.53
<b>22 66 53 00-0390</b>		<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tees</b> (22 66 53 00-0390)		
22 66 53 00-0391	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	426.70	109.74
22 66 53 00-0392	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	540.78	122.56
22 66 53 00-0393	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	656.42	139.32
22 66 53 00-0394	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	707.72	143.46
<b>22 66 53 00-0395</b>		<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wyes</b> (22 66 53 00-0395)		
22 66 53 00-0396	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	384.35	114.69
22 66 53 00-0397	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	547.35	126.90
22 66 53 00-0398	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	706.16	151.43
22 66 53 00-0399	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	1,225.54	178.30
22 66 53 00-0400	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	4,898.02	291.24
<b>22 66 53 00-0401</b>		<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes</b> (22 66 53 00-0401)		
22 66 53 00-0402	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	399.58	109.74
22 66 53 00-0403	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	429.75	117.81
22 66 53 00-0404	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	455.11	122.66
22 66 53 00-0405	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	509.28	134.67
22 66 53 00-0406	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	529.51	139.12
22 66 53 00-0407	EA	4" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	648.96	143.46
22 66 53 00-0408	EA	6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	892.41	155.04
22 66 53 00-0409	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	1,074.39	158.85
22 66 53 00-0410	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	1,121.50	166.15
22 66 53 00-0411	EA	8" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	2,842.88	234.95
22 66 53 00-0412	EA	8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	3,075.99	242.72
22 66 53 00-0413	EA	8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	3,786.12	255.14
<b>22 66 53 00-0414</b>		<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends</b> (22 66 53 00-0414)		
22 66 53 00-0415	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	469.91	114.49
22 66 53 00-0416	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	564.94	126.60
22 66 53 00-0417	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	855.47	151.53
22 66 53 00-0418	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	1,343.40	178.48
<b>22 66 53 00-0419</b>		<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends</b> (22 66 53 00-0419)		
22 66 53 00-0420	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	381.50	109.74
22 66 53 00-0421	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	447.83	117.81
22 66 53 00-0422	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	500.10	122.56
22 66 53 00-0423	EA	4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	540.92	134.67
22 66 53 00-0424	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	633.82	139.32
22 66 53 00-0425	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	725.75	143.36
22 66 53 00-0426	EA	6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	951.11	155.04
22 66 53 00-0427	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	1,205.55	158.94
22 66 53 00-0428	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	1,325.31	166.43
<b>22 66 53 00-0429</b>		<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducers</b> (22 66 53 00-0429)		
22 66 53 00-0430	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	234.61	72.08
22 66 53 00-0431	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	258.72	76.12
22 66 53 00-0432	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	291.92	80.16
22 66 53 00-0433	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	490.35	88.84
22 66 53 00-0434	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	514.50	92.98
22 66 53 00-0435	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	555.81	99.35
22 66 53 00-0436	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	734.41	106.94
22 66 53 00-0437	EA	8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	1,072.63	145.67
22 66 53 00-0438	EA	8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	1,140.87	158.00
<b>22 66 53 00-0439</b>		<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increasers</b> (22 66 53 00-0439)		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 66 53 00-0440	EA	2" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser .....	641.12	168.29
22 66 53 00-0441	EA	2" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser .....	876.17	168.29
22 66 53 00-0442	EA	3" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser .....	897.26	168.29
22 66 53 00-0443	EA	4" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser .....	987.53	221.56
<b>22 66 53 00-0444</b>		<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Traps (22 66 53 00-0338)</b>		
22 66 53 00-0445	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap .....	774.66	76.52
22 66 53 00-0446	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap .....	939.82	84.20
22 66 53 00-0447	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap .....	1,145.56	100.75
22 66 53 00-0448	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap .....	3,473.72	119.08
<b>22 66 53 00-0449</b>		<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hubs (22 66 53 00-0338)</b>		
22 66 53 00-0450	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub .....	363.33	76.52
22 66 53 00-0451	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub .....	465.21	84.20
22 66 53 00-0452	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub .....	648.34	100.75
22 66 53 00-0453	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub .....	837.73	119.08
22 66 53 00-0454	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub .....	1,668.47	166.15
<b>22 66 53 00-0455</b>		<b>Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings (22 66 53 00-0328)</b>		
Note: Labor costs for installation of lead and oakum are included in the installation costs for fittings.				
22 66 53 00-0456	LB	Lead (1 LB/Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings.....	6.03	
22 66 53 00-0457	LB	Seal-Tite Packing (1/8 LB/Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings .....	82.87	
<b>22 66 53 00-0458</b>		<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings (22 66 53)</b>		
Note: ASTM A518.				
<b>22 66 53 00-0459</b>		<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe (22 66 53 00-0458)</b>		
22 66 53 00-0460	LF	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	105.70	6.76
22 66 53 00-0461	LF	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	120.38	7.47
22 66 53 00-0462	LF	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	166.54	9.39
22 66 53 00-0463	LF	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	210.66	10.90
<b>22 66 53 00-0464</b>		<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Fittings (22 66 53 00-0458)</b>		
<b>22 66 53 00-0465</b>		<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweeps (22 66 53 00-0464)</b>		
22 66 53 00-0466	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep .....	374.21	53.60
22 66 53 00-0467	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep .....	402.75	60.57
22 66 53 00-0468	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep .....	561.20	66.84
22 66 53 00-0469	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep .....	677.13	80.76
<b>22 66 53 00-0470</b>		<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends (22 66 53 00-0464)</b>		
22 66 53 00-0471	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend .....	197.92	53.60
22 66 53 00-0472	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	239.08	59.96
22 66 53 00-0473	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	312.95	67.04
22 66 53 00-0474	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	414.05	80.16
22 66 53 00-0475	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend .....	234.08	56.64
<b>22 66 53 00-0476</b>		<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends (22 66 53 00-0464)</b>		
22 66 53 00-0477	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend .....	197.92	53.60
22 66 53 00-0478	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	239.08	59.96
22 66 53 00-0479	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	312.95	67.04
22 66 53 00-0480	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	414.05	80.16
<b>22 66 53 00-0481</b>		<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bends (22 66 53 00-0464)</b>		
22 66 53 00-0482	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend .....	238.60	53.60
22 66 53 00-0483	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	302.37	59.96
22 66 53 00-0484	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	480.19	67.04
22 66 53 00-0485	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	536.09	80.16
<b>22 66 53 00-0486</b>		<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends (22 66 53 00-0464)</b>		
22 66 53 00-0487	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend .....	229.56	53.60
22 66 53 00-0488	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	275.24	59.96
22 66 53 00-0489	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	439.51	67.04
22 66 53 00-0490	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	495.41	80.16

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22 66 53 00-0491		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bends <small>(22 66 53 00-0464)</small>		
22 66 53 00-0492	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bend.....	346.95	80.66
22 66 53 00-0493		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tees <small>(22 66 53 00-0464)</small>		
22 66 53 00-0494	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee .....	274.62	80.66
22 66 53 00-0495	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee .....	344.15	90.86
22 66 53 00-0496	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee .....	463.70	101.25
22 66 53 00-0497	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee .....	719.61	121.25
22 66 53 00-0498		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tees <small>(22 66 53 00-0464)</small>		
22 66 53 00-0499	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	320.93	87.43
22 66 53 00-0500	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	398.96	94.29
22 66 53 00-0501	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Sanitary Reducing Tee.....	426.56	97.62
22 66 53 00-0502	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	455.26	107.72
22 66 53 00-0503	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	505.08	110.75
22 66 53 00-0504	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	550.80	114.08
22 66 53 00-0505		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wyes <small>(22 66 53 00-0464)</small>		
22 66 53 00-0506	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	275.02	80.97
22 66 53 00-0507	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	326.06	90.86
22 66 53 00-0508	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	445.62	101.25
22 66 53 00-0509	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	719.61	121.25
22 66 53 00-0510		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes <small>(22 66 53 00-0464)</small>		
22 66 53 00-0511	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	308.06	87.93
22 66 53 00-0512	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	385.38	94.19
22 66 53 00-0513	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	404.40	97.93
22 66 53 00-0514	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	455.74	108.03
22 66 53 00-0515	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	506.00	111.35
22 66 53 00-0516	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	537.66	114.38
22 66 53 00-0517		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wyes <small>(22 66 53 00-0464)</small>		
22 66 53 00-0518	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye .....	419.30	107.82
22 66 53 00-0519	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	543.47	121.35
22 66 53 00-0520	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	707.52	134.27
22 66 53 00-0521	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	929.09	161.43
22 66 53 00-0522	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye .....	465.04	114.18
22 66 53 00-0523	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye .....	524.84	120.95
22 66 53 00-0524	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	634.36	127.61
22 66 53 00-0525	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	700.01	141.33
22 66 53 00-0526	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	855.40	148.51
22 66 53 00-0527		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Crosses <small>(22 66 53 00-0464)</small>		
22 66 53 00-0528	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross .....	473.48	107.82
22 66 53 00-0529	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	561.31	121.15
22 66 53 00-0530	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	826.19	134.97
22 66 53 00-0531	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	1,168.91	161.63
22 66 53 00-0532	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross .....	510.19	114.18
22 66 53 00-0533	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross .....	683.00	120.95
22 66 53 00-0534	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	720.17	127.61
22 66 53 00-0535	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	767.77	141.23
22 66 53 00-0536	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	994.74	147.90
22 66 53 00-0537		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends <small>(22 66 53 00-0464)</small>		
22 66 53 00-0538	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend .....	310.38	80.36
22 66 53 00-0539	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend .....	362.23	90.86
22 66 53 00-0540	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend .....	445.62	101.25
22 66 53 00-0541	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend .....	769.33	121.25
22 66 53 00-0542		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends <small>(22 66 53 00-0464)</small>		
22 66 53 00-0543	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	343.62	87.53
22 66 53 00-0544	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	385.78	94.49
22 66 53 00-0545	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	422.48	97.93

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 66 53 00-0546	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	586.82	108.03
22 66 53 00-0547	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	600.92	111.35
22 66 53 00-0548	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	677.78	114.38
<b>22 66 53 00-0549</b>		<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bends</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0550	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend .....	504.89	107.62
22 66 53 00-0551	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend .....	642.58	121.05
22 66 53 00-0552	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend .....	947.50	134.57
22 66 53 00-0553	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend .....	1,137.79	161.93
<b>22 66 53 00-0554</b>		<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bends</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0555	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend .....	550.87	114.18
22 66 53 00-0556	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend .....	669.42	120.84
22 66 53 00-0557	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend .....	697.57	127.61
22 66 53 00-0558	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend .....	776.81	141.23
22 66 53 00-0559	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend .....	994.74	147.90
<b>22 66 53 00-0560</b>		<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducers-Increasers</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0561	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser .....	234.93	57.24
22 66 53 00-0562	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser .....	267.10	60.57
22 66 53 00-0563	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser .....	313.88	70.67
22 66 53 00-0564	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser .....	380.90	67.14
22 66 53 00-0565	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser .....	404.02	70.46
22 66 53 00-0566	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser .....	427.13	73.80
<b>22 66 53 00-0567</b>		<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tees</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0568	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee .....	219.83	47.14
22 66 53 00-0569	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee .....	256.22	53.30
22 66 53 00-0570	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee .....	302.90	60.37
22 66 53 00-0571	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee .....	571.27	73.50
<b>22 66 53 00-0572</b>		<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plugs</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0573	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug .....	94.44	26.86
22 66 53 00-0574	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug .....	112.76	29.98
22 66 53 00-0575	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug .....	122.57	33.52
22 66 53 00-0576	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug .....	159.56	40.08
<b>22 66 53 00-0577</b>		<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Traps</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0578	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap .....	418.94	53.30
22 66 53 00-0579	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap .....	428.93	59.96
22 66 53 00-0580	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap .....	534.43	67.04
22 66 53 00-0581	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap .....	685.26	80.16
22 66 53 00-0582	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap .....	592.14	57.34
22 66 53 00-0583	EA	2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap .....	823.74	64.00
22 66 53 00-0584	EA	3" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap .....	1,000.91	70.67
22 66 53 00-0585	EA	4" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap .....	1,247.17	84.20
<b>22 66 53 00-0586</b>		<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum Traps</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0587	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap .....	800.89	60.87
22 66 53 00-0588	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap .....	1,280.71	67.34
22 66 53 00-0589	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap .....	836.68	60.57
22 66 53 00-0590	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap .....	1,280.71	67.34
<b>22 66 53 00-0591</b>		<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Traps</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0592	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap .....	741.76	60.57
22 66 53 00-0593	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap .....	873.90	67.34
22 66 53 00-0594	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long P-Trap .....	863.80	60.57
22 66 53 00-0595	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap .....	1,936.13	67.34
22 66 53 00-0596	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap .....	1,136.07	67.34

**22 Plumbing****22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

22 66 53 00-0597		<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bends</b> <i>(22 66 53 00-0464)</i>		
22 66 53 00-0598	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend.....	293.21	53.91
22 66 53 00-0599	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend.....	389.19	60.57
22 66 53 00-0600		<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapters</b> <i>(22 66 53 00-0464)</i>		
22 66 53 00-0601	EA	1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter.....	141.93	40.38
22 66 53 00-0602	EA	1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter .....	278.07	43.82
22 66 53 00-0603	EA	2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter .....	193.24	50.48
22 66 53 00-0604		<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter</b> <i>(22 66 53 00-0464)</i>		
22 66 53 00-0605	EA	1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter .....	276.02	57.44
22 66 53 00-0606	EA	1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter .....	303.26	60.57
22 66 53 00-0607	EA	1-1/2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter .....	339.95	63.90
22 66 53 00-0608	EA	1-1/2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter .....	363.34	70.46
22 66 53 00-0609	EA	2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	339.99	64.00
22 66 53 00-0610	EA	2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	358.55	67.34
22 66 53 00-0611	EA	2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	386.45	73.80
22 66 53 00-0612	EA	3" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	445.01	70.67
22 66 53 00-0613	EA	4" x 4" Mechanical Joint High Silicon Iron Alloy Hub To Mechanical Joint Adapter .....	551.09	84.20
22 66 53 00-0614		<b>Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings</b> <i>(22 66 53 00-0464)</i>		
22 66 53 00-0615	EA	1-1/2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting.....	108.48	
22 66 53 00-0616	EA	2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting.....	126.56	
22 66 53 00-0617	EA	3" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting.....	135.60	
22 66 53 00-0618	EA	4" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting.....	149.16	
22 66 53 00-0619		<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Fittings</b> <i>(22 66 53 00-0464)</i>		
22 66 53 00-0620	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Outlet .....	786.20	26.96
22 66 53 00-0621	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Stopper .....	295.92	13.42
22 66 53 00-0622	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Overflow.....	558.09	13.42
22 66 53 00-0623		<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drains With Stainless Steel Strainer Plates</b> <i>(22 66 53 00-0464)</i>		
22 66 53 00-0624	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain With Stainless Steel Strainer.....	2,796.46	134.67
22 66 53 00-0625	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Sediment Basin Floor Drain With Stainless Steel Strainer.....	3,466.49	141.43
22 66 53 00-0626	EA	Stainless Steel Funnel Attachment For Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain .....	2,379.68	13.42
<b>22 66 83</b>		<b>Chemical-Waste Tanks</b> <i>(22 66)</i>		
<b>22 66 83 16</b>		<b>Chemical-Waste Neutralization Tanks</b> <i>(22 66 83)</i>		
22 66 83 16-0001		<b>Acid Neutralization Tank</b> <i>(22 66 83 16)</i>		
22 66 83 16-0002		<b>Polyethylene Acid Neutralization Tank</b> <i>(22 66 83 16-0001)</i>		
22 66 83 16-0003	EA	5 Gallon Capacity Polyethylene Acid Neutralization Tank .....	470.03	205.55
22 66 83 16-0004	EA	15 Gallon Capacity Polyethylene Acid Neutralization Tank .....	832.76	285.03
22 66 83 16-0005	EA	30 Gallon Capacity Polyethylene Acid Neutralization Tank .....	1,047.83	411.09
22 66 83 16-0006	EA	55 Gallon Capacity Polyethylene Acid Neutralization Tank .....	1,349.56	548.12
22 66 83 16-0007	EA	100 Gallon Capacity Polyethylene Acid Neutralization Tank .....	1,722.91	657.75
22 66 83 16-0008	EA	150 Gallon Capacity Polyethylene Acid Neutralization Tank .....	2,338.99	822.19
22 66 83 16-0009	EA	200 Gallon Capacity Polyethylene Acid Neutralization Tank .....	2,717.57	1,027.74
22 66 83 16-0010	EA	275 Gallon Capacity Polyethylene Acid Neutralization Tank .....	3,506.03	1,233.28
22 66 83 16-0011	EA	350 Gallon Capacity Polyethylene Acid Neutralization Tank .....	3,998.21	1,479.93
22 66 83 16-0012		<b>Polypropylene Acid Neutralization Tank</b> <i>(22 66 83 16-0001)</i>		
22 66 83 16-0013	EA	5 Gallon Capacity Polypropylene Acid Neutralization Tank .....	744.38	205.55
22 66 83 16-0014	EA	15 Gallon Capacity Polypropylene Acid Neutralization Tank .....	1,267.15	285.03
22 66 83 16-0015	EA	30 Gallon Capacity Polypropylene Acid Neutralization Tank .....	2,209.33	411.09
22 66 83 16-0016	EA	55 Gallon Capacity Polypropylene Acid Neutralization Tank .....	2,912.18	548.12
22 66 83 16-0017	EA	100 Gallon Capacity Polypropylene Acid Neutralization Tank .....	3,682.00	657.75
22 66 83 16-0018	EA	150 Gallon Capacity Polypropylene Acid Neutralization Tank .....	3,818.52	822.19
22 66 83 16-0019	EA	200 Gallon Capacity Polypropylene Acid Neutralization Tank .....	4,190.57	1,027.74
22 66 83 16-0020	EA	275 Gallon Capacity Polypropylene Acid Neutralization Tank .....	6,078.07	1,233.28
22 66 83 16-0021	EA	350 Gallon Capacity Polypropylene Acid Neutralization Tank .....	6,604.54	1,479.93
22 66 83 16-0022		<b>Chemical Dilution Trap</b> <i>(22 66 83 16)</i>		
22 66 83 16-0023	EA	1 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap .....	437.79	68.52
		Note: 1-1/2" top inlet and side outlet with anti siphon.		
22 66 83 16-0024	EA	1-1/2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap .....	451.48	68.52
		Note: 1-1/2" top inlet and side outlet with anti siphon.		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 66 83 16-0025	EA	2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap Note: 1-1/2" top inlet and side outlet with anti siphon.	465.17	68.52
22 66 83 16-0026	EA	5 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap Note: 1-1/2" top inlet and side outlet with anti siphon.	510.70	82.21

## 22 67 Processed Water Systems for Laboratory and Healthcare Facilities (22 60)

### 22 67 13 Processed Water Piping for Laboratory and Healthcare Facilities (22 67)

#### 22 67 13 53 Laboratory Water Piping (22 67 13)

#### 22 67 13 53-0001 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe And Fittings (22 67 13 53)

#### 22 67 13 53-0002 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe (22 67 13 53-0001)

22 67 13 53-0003	LF	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe <i>For Work In Restricted Working Space, Add</i>	7.34	2.92
			1.30	
22 67 13 53-0004	LF	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe <i>For Work In Restricted Working Space, Add</i>	9.22	3.64
			1.62	
22 67 13 53-0005	LF	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe <i>For Work In Restricted Working Space, Add</i>	11.26	3.84
			1.73	
22 67 13 53-0006	LF	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe <i>For Work In Restricted Working Space, Add</i>	16.45	4.24
			1.89	
22 67 13 53-0007	LF	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe <i>For Work In Restricted Working Space, Add</i>	21.63	5.05
			2.27	

#### 22 67 13 53-0008 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 90 Degree Elbows (22 67 13 53-0001)

22 67 13 53-0009	EA	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	27.66	10.80
			4.89	
22 67 13 53-0010	EA	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	34.92	14.43
			6.51	
22 67 13 53-0011	EA	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	42.29	17.97
			8.08	
22 67 13 53-0012	EA	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	67.24	28.67
			12.89	
22 67 13 53-0013	EA	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	83.76	36.44
			16.37	

#### 22 67 13 53-0014 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 45 Degree Elbows (22 67 13 53-0001)

22 67 13 53-0015	EA	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	27.66	10.90
			4.89	
22 67 13 53-0016	EA	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	34.92	14.43
			6.51	
22 67 13 53-0017	EA	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	42.29	17.97
			8.08	
22 67 13 53-0018	EA	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	67.51	28.67
			12.89	
22 67 13 53-0019	EA	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	83.76	36.44
			16.37	

#### 22 67 13 53-0020 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Tees (22 67 13 53-0001)

22 67 13 53-0021	EA	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Tee <i>For Work In Restricted Working Space, Add</i>	40.13	17.97
			8.08	
22 67 13 53-0022	EA	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Tee <i>For Work In Restricted Working Space, Add</i>	47.93	21.71
			9.77	
22 67 13 53-0023	EA	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Tee <i>For Work In Restricted Working Space, Add</i>	60.63	28.67
			12.89	
22 67 13 53-0024	EA	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Tee <i>For Work In Restricted Working Space, Add</i>	97.40	43.41
			19.54	
22 67 13 53-0025	EA	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Tee <i>For Work In Restricted Working Space, Add</i>	124.40	53.91
			24.23	

#### 22 67 13 53-0026 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Tees (22 67 13 53-0001)

22 67 13 53-0027	EA	3/4" x 1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Tee <i>For Work In Restricted Working Space, Add</i>	74.53	20.19
			9.08	
22 67 13 53-0028	EA	1" x 1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Tee <i>For Work In Restricted Working Space, Add</i>	87.56	23.52
			10.60	
22 67 13 53-0029	EA	1" x 3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Tee <i>For Work In Restricted Working Space, Add</i>	92.75	25.54
			11.51	
22 67 13 53-0030	EA	1-1/2" x 1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Tee <i>For Work In Restricted Working Space, Add</i>	119.98	36.34
			16.36	
22 67 13 53-0031	EA	2" x 1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Tee <i>For Work In Restricted Working Space, Add</i>	148.60	48.45
			21.81	

**22 Plumbing****22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 67 Processed Water Systems for Laboratory and Healthcare Facilities**
 MINOR  
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 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 67 13 53-0032			<b>Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Inserts</b> (22 67 13 53-0001)		
22 67 13 53-0033	EA		3/4" x 1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert.....	35.93	12.82
			<i>For Work In Restricted Working Space, Add</i>	5.75	
22 67 13 53-0034	EA		1" x 1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert.....	42.49	14.84
			<i>For Work In Restricted Working Space, Add</i>	6.66	
22 67 13 53-0035	EA		1" x 3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert.....	48.29	16.86
			<i>For Work In Restricted Working Space, Add</i>	7.57	
22 67 13 53-0036	EA		1-1/2" x 1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert.....	63.47	20.19
			<i>For Work In Restricted Working Space, Add</i>	9.08	
22 67 13 53-0037	EA		1-1/2" x 3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert.....	68.05	22.21
			<i>For Work In Restricted Working Space, Add</i>	10.00	
22 67 13 53-0038	EA		1-1/2" x 1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert.....	70.98	23.52
			<i>For Work In Restricted Working Space, Add</i>	10.60	
22 67 13 53-0039	EA		2" x 1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert.....	104.79	33.02
			<i>For Work In Restricted Working Space, Add</i>	14.84	
22 67 13 53-0040			<b>Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Male Thread Adapters</b> (22 67 13 53-0001)		
22 67 13 53-0041	EA		1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Male Thread Adapter.....	30.89	10.90
			<i>For Work In Restricted Working Space, Add</i>	4.89	
22 67 13 53-0042	EA		3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Male Thread Adapter.....	39.38	14.43
			<i>For Work In Restricted Working Space, Add</i>	6.51	
22 67 13 53-0043	EA		1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Male Thread Adapter.....	47.20	17.97
			<i>For Work In Restricted Working Space, Add</i>	8.08	
22 67 13 53-0044	EA		1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Male Thread Adapter.....	70.62	28.67
			<i>For Work In Restricted Working Space, Add</i>	12.89	
22 67 13 53-0045	EA		2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Male Thread Adapter.....	92.01	36.34
			<i>For Work In Restricted Working Space, Add</i>	16.36	
22 67 13 53-0046			<b>Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Female Thread Adapters</b> (22 67 13 53-0001)		
22 67 13 53-0047	EA		1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Female Thread Adapter.....	30.89	10.90
			<i>For Work In Restricted Working Space, Add</i>	4.89	
22 67 13 53-0048	EA		3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Female Thread Adapter.....	39.38	14.43
			<i>For Work In Restricted Working Space, Add</i>	6.51	
22 67 13 53-0049	EA		1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Female Thread Adapter.....	47.20	17.97
			<i>For Work In Restricted Working Space, Add</i>	8.08	
22 67 13 53-0050	EA		1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Female Thread Adapter.....	70.62	28.67
			<i>For Work In Restricted Working Space, Add</i>	12.89	
22 67 13 53-0051	EA		2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Female Thread Adapter.....	91.45	36.44
			<i>For Work In Restricted Working Space, Add</i>	16.37	
22 67 13 53-0052			<b>Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Couplings</b> (22 67 13 53-0001)		
22 67 13 53-0053	EA		1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Coupling.....	23.36	10.90
			<i>For Work In Restricted Working Space, Add</i>	4.89	
22 67 13 53-0054	EA		3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Coupling.....	31.39	14.43
			<i>For Work In Restricted Working Space, Add</i>	6.51	
22 67 13 53-0055	EA		1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Coupling.....	39.52	17.97
			<i>For Work In Restricted Working Space, Add</i>	8.08	
22 67 13 53-0056	EA		1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Coupling.....	62.32	28.67
			<i>For Work In Restricted Working Space, Add</i>	12.89	
22 67 13 53-0057	EA		2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Coupling.....	81.61	36.44
			<i>For Work In Restricted Working Space, Add</i>	16.37	
22 67 13 53-0058			<b>Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Unions</b> (22 67 13 53-0001)		
22 67 13 53-0059	EA		1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Union.....	75.32	17.97
			<i>For Work In Restricted Working Space, Add</i>	8.08	
22 67 13 53-0060	EA		3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Union.....	84.03	21.71
			<i>For Work In Restricted Working Space, Add</i>	9.77	
22 67 13 53-0061	EA		1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Union.....	100.43	28.67
			<i>For Work In Restricted Working Space, Add</i>	12.89	
22 67 13 53-0062	EA		1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Union.....	169.31	43.41
			<i>For Work In Restricted Working Space, Add</i>	19.54	
22 67 13 53-0063	EA		2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Union.....	230.11	53.91
			<i>For Work In Restricted Working Space, Add</i>	24.23	
22 67 13 53-0064			<b>Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Caps</b> (22 67 13 53-0001)		
22 67 13 53-0065	EA		1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Cap.....	26.33	11.05
			<i>For Work In Restricted Working Space, Add</i>	4.95	
22 67 13 53-0066	EA		3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Cap.....	33.08	14.43
			<i>For Work In Restricted Working Space, Add</i>	6.51	
22 67 13 53-0067	EA		1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Cap.....	39.52	17.97
			<i>For Work In Restricted Working Space, Add</i>	8.08	
22 67 13 53-0068	EA		1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Cap.....	62.63	28.67
			<i>For Work In Restricted Working Space, Add</i>	12.89	
22 67 13 53-0069	EA		2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Cap.....	81.61	36.44
			<i>For Work In Restricted Working Space, Add</i>	16.37	



MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 67 13 53-0070	<b>Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 150 LB Flanges</b> <small>(22 67 13 53-0001)</small>		
22 67 13 53-0071	EA 1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 150 LB Flange.....	45.36	18.17
	<i>For Work In Restricted Working Space, Add</i>	8.08	
22 67 13 53-0072	EA 3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 150 LB Flange.....	53.30	21.51
	<i>For Work In Restricted Working Space, Add</i>	9.77	
22 67 13 53-0073	EA 1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 150 LB Flange.....	67.18	28.97
	<i>For Work In Restricted Working Space, Add</i>	12.89	
22 67 13 53-0074	EA 1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 150 LB Flange.....	101.70	43.82
	<i>For Work In Restricted Working Space, Add</i>	19.54	
22 67 13 53-0075	EA 2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 150 LB Flange.....	123.17	53.91
	<i>For Work In Restricted Working Space, Add</i>	24.23	
22 67 13 53-0076	<b>Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe And Fittings</b> <small>(22 67 13 53)</small>		
22 67 13 53-0077	<b>Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe</b> <small>(22 67 13 53-0076)</small>		
22 67 13 53-0078	LF 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe .....	11.21	2.92
	<i>For Work In Restricted Working Space, Add</i>	1.30	
22 67 13 53-0079	LF 3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe .....	14.29	3.64
	<i>For Work In Restricted Working Space, Add</i>	1.62	
22 67 13 53-0080	LF 1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe .....	18.24	3.84
	<i>For Work In Restricted Working Space, Add</i>	1.73	
22 67 13 53-0081	LF 1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe .....	22.82	4.24
	<i>For Work In Restricted Working Space, Add</i>	1.89	
22 67 13 53-0082	LF 2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe .....	30.98	5.05
	<i>For Work In Restricted Working Space, Add</i>	2.27	
22 67 13 53-0083	<b>Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 90 Degree Elbows</b> <small>(22 67 13 53-0076)</small>		
22 67 13 53-0084	EA 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 90 Degree Elbow .....	39.23	10.80
	<i>For Work In Restricted Working Space, Add</i>	4.89	
22 67 13 53-0085	EA 3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 90 Degree Elbow .....	50.52	14.43
	<i>For Work In Restricted Working Space, Add</i>	6.51	
22 67 13 53-0086	EA 1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 90 Degree Elbow .....	62.93	17.97
	<i>For Work In Restricted Working Space, Add</i>	8.08	
22 67 13 53-0087	EA 1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 90 Degree Elbow .....	91.78	28.67
	<i>For Work In Restricted Working Space, Add</i>	12.89	
22 67 13 53-0088	EA 2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 90 Degree Elbow .....	120.73	36.44
	<i>For Work In Restricted Working Space, Add</i>	16.37	
22 67 13 53-0089	<b>Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 45 Degree Elbows</b> <small>(22 67 13 53-0076)</small>		
22 67 13 53-0090	EA 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 45 Degree Elbow .....	38.96	10.90
	<i>For Work In Restricted Working Space, Add</i>	4.89	
22 67 13 53-0091	EA 3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 45 Degree Elbow .....	50.65	14.43
	<i>For Work In Restricted Working Space, Add</i>	6.51	
22 67 13 53-0092	EA 1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 45 Degree Elbow .....	63.07	17.97
	<i>For Work In Restricted Working Space, Add</i>	8.08	
22 67 13 53-0093	EA 1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 45 Degree Elbow .....	93.64	28.67
	<i>For Work In Restricted Working Space, Add</i>	12.89	
22 67 13 53-0094	EA 2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 45 Degree Elbow .....	120.73	36.44
	<i>For Work In Restricted Working Space, Add</i>	16.37	
22 67 13 53-0095	<b>Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Tees</b> <small>(22 67 13 53-0076)</small>		
22 67 13 53-0096	EA 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Tee .....	54.26	17.97
	<i>For Work In Restricted Working Space, Add</i>	8.08	
22 67 13 53-0097	EA 3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Tee .....	64.84	21.71
	<i>For Work In Restricted Working Space, Add</i>	9.77	
22 67 13 53-0098	EA 1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Tee .....	80.97	28.67
	<i>For Work In Restricted Working Space, Add</i>	12.89	
22 67 13 53-0099	EA 1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Tee .....	122.22	43.41
	<i>For Work In Restricted Working Space, Add</i>	19.54	
22 67 13 53-0100	EA 2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Tee .....	156.52	53.91
	<i>For Work In Restricted Working Space, Add</i>	24.23	
22 67 13 53-0101	<b>Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Tees</b> <small>(22 67 13 53-0076)</small>		
22 67 13 53-0102	EA 3/4" x 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Tee .....	63.89	20.19
	<i>For Work In Restricted Working Space, Add</i>	9.08	
22 67 13 53-0103	EA 1" x 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Tee .....	78.54	23.52
	<i>For Work In Restricted Working Space, Add</i>	10.60	
22 67 13 53-0104	EA 1" x 3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Tee .....	81.58	25.54
	<i>For Work In Restricted Working Space, Add</i>	11.51	
22 67 13 53-0105	EA 1-1/2" x 1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Tee .....	116.68	36.34
	<i>For Work In Restricted Working Space, Add</i>	16.36	
22 67 13 53-0106	EA 2" x 1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Tee .....	150.72	48.45
	<i>For Work In Restricted Working Space, Add</i>	21.81	

**22 Plumbing****22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 67 Processed Water Systems for Laboratory and Healthcare Facilities**
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22 67 13 53-0107	Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Inserts <small>(22 67 13 53-0076)</small>		
22 67 13 53-0108	EA 3/4" x 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert.....	45.19	12.82
	<i>For Work In Restricted Working Space, Add</i>	5.75	
22 67 13 53-0109	EA 1" x 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert .....	51.29	14.84
	<i>For Work In Restricted Working Space, Add</i>	6.66	
22 67 13 53-0110	EA 1" x 3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert .....	54.32	16.86
	<i>For Work In Restricted Working Space, Add</i>	7.57	
22 67 13 53-0111	EA 1-1/2" x 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert .....	70.56	20.19
	<i>For Work In Restricted Working Space, Add</i>	9.08	
22 67 13 53-0112	EA 1-1/2" x 3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert .....	73.60	22.21
	<i>For Work In Restricted Working Space, Add</i>	10.00	
22 67 13 53-0113	EA 1-1/2" x 1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert .....	75.61	23.52
	<i>For Work In Restricted Working Space, Add</i>	10.60	
22 67 13 53-0114	EA 2" x 1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert .....	105.49	33.02
	<i>For Work In Restricted Working Space, Add</i>	14.84	
<b>22 67 13 53-0115</b>	<b>Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Male Thread Adapters <small>(22 67 13 53-0076)</small></b>		
22 67 13 53-0116	EA 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Male Thread Adapter .....	39.23	10.90
	<i>For Work In Restricted Working Space, Add</i>	4.89	
22 67 13 53-0117	EA 3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Male Thread Adapter .....	49.72	14.43
	<i>For Work In Restricted Working Space, Add</i>	6.51	
22 67 13 53-0118	EA 1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Male Thread Adapter .....	58.80	17.97
	<i>For Work In Restricted Working Space, Add</i>	8.08	
22 67 13 53-0119	EA 1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Male Thread Adapter .....	81.64	28.67
	<i>For Work In Restricted Working Space, Add</i>	12.89	
22 67 13 53-0120	EA 2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Male Thread Adapter .....	114.81	36.34
	<i>For Work In Restricted Working Space, Add</i>	16.36	
<b>22 67 13 53-0121</b>	<b>Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Female Thread Adapters <small>(22 67 13 53-0076)</small></b>		
22 67 13 53-0122	EA 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Female Thread Adapter .....	39.23	10.90
	<i>For Work In Restricted Working Space, Add</i>	4.89	
22 67 13 53-0123	EA 3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Female Thread Adapter .....	49.72	14.43
	<i>For Work In Restricted Working Space, Add</i>	6.51	
22 67 13 53-0124	EA 1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Female Thread Adapter .....	58.80	17.97
	<i>For Work In Restricted Working Space, Add</i>	8.08	
22 67 13 53-0125	EA 1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Female Thread Adapter .....	81.64	28.67
	<i>For Work In Restricted Working Space, Add</i>	12.89	
22 67 13 53-0126	EA 2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Female Thread Adapter .....	114.86	36.44
	<i>For Work In Restricted Working Space, Add</i>	16.37	
<b>22 67 13 53-0127</b>	<b>Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Couplings <small>(22 67 13 53-0076)</small></b>		
22 67 13 53-0128	EA 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Coupling .....	36.96	10.90
	<i>For Work In Restricted Working Space, Add</i>	4.89	
22 67 13 53-0129	EA 3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Coupling .....	47.05	14.43
	<i>For Work In Restricted Working Space, Add</i>	6.51	
22 67 13 53-0130	EA 1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Coupling .....	55.86	17.97
	<i>For Work In Restricted Working Space, Add</i>	8.08	
22 67 13 53-0131	EA 1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Coupling .....	81.11	28.67
	<i>For Work In Restricted Working Space, Add</i>	12.89	
22 67 13 53-0132	EA 2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Coupling .....	104.45	36.44
	<i>For Work In Restricted Working Space, Add</i>	16.37	
<b>22 67 13 53-0133</b>	<b>Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Unions <small>(22 67 13 53-0076)</small></b>		
22 67 13 53-0134	EA 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Union .....	118.95	
	<i>For Work In Restricted Working Space, Add</i>	8.08	
22 67 13 53-0135	EA 3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Union .....	137.93	21.71
	<i>For Work In Restricted Working Space, Add</i>	9.77	
22 67 13 53-0136	EA 1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Union .....	167.54	28.67
	<i>For Work In Restricted Working Space, Add</i>	12.89	
22 67 13 53-0137	EA 1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Union .....	274.54	43.41
	<i>For Work In Restricted Working Space, Add</i>	19.54	
22 67 13 53-0138	EA 2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Union .....	356.86	53.91
	<i>For Work In Restricted Working Space, Add</i>	24.23	
<b>22 67 13 53-0139</b>	<b>Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Caps <small>(22 67 13 53-0076)</small></b>		
22 67 13 53-0140	EA 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Cap .....	37.17	11.05
	<i>For Work In Restricted Working Space, Add</i>	4.95	
22 67 13 53-0141	EA 3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Cap .....	47.05	14.43
	<i>For Work In Restricted Working Space, Add</i>	6.51	
22 67 13 53-0142	EA 1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Cap .....	55.73	17.97
	<i>For Work In Restricted Working Space, Add</i>	8.08	
22 67 13 53-0143	EA 1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Cap .....	81.37	28.67
	<i>For Work In Restricted Working Space, Add</i>	12.89	

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22 67 13 53-0144	EA	2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Cap..... <i>For Work In Restricted Working Space, Add</i>	104.45 16.37	36.44
22 67 13 53-0145		<b>Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 150 LB Flanges</b> <small>(22 67 13 53-0076)</small>		
22 67 13 53-0146	EA	1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 150 LB Flange ..... <i>For Work In Restricted Working Space, Add</i>	71.20 8.08	18.17
22 67 13 53-0147	EA	3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 150 LB Flange ..... <i>For Work In Restricted Working Space, Add</i>	82.18 9.77	21.51
22 67 13 53-0148	EA	1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 150 LB Flange ..... <i>For Work In Restricted Working Space, Add</i>	99.78 12.89	28.97
22 67 13 53-0149	EA	1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 150 LB Flange ..... <i>For Work In Restricted Working Space, Add</i>	144.09 19.54	43.82
22 67 13 53-0150	EA	2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 150 LB Flange ..... <i>For Work In Restricted Working Space, Add</i>	179.46 24.23	53.91

**END OF SECTION 22**

**22 Plumbing**

22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities

22 67 Processed Water Systems for Laboratory and Healthcare Facilities



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UNIT COST UNIT COST

## 23 Heating, Ventilating, and Air-Conditioning (HVAC)

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise. HVAC equipment shall conform to California Title 24.

### 23 01 Operation and Maintenance of HVAC Systems <sup>(23)</sup>

#### 23 01 10 Operation and Maintenance of Facility Fuel Systems <sup>(23 01)</sup>

##### 23 01 10 91 Facility Fuel Systems Restoration <sup>(23 01 10)</sup>

##### 23 01 10 91-0001 Professional Certification For Hospital <sup>(23 01 10 91)</sup>

23 01 10 91-0002 HR Hospital/Lab Certification - Oxygen, Air, Water Lines, Medical Gases, Nitrogen And Vacuum ..... 177.50

##### 23 01 10 91-0003 Purge Gas Systems <sup>(23 01 10 91)</sup>

Note: Includes collection and refilling/bleeding of system. For natural gas, flammable gases and other gases that should not be released inside the building. See CSI section 23 01 60 71-0001 for refrigerant.

23 01 10 91-0004	EA	Up To 100', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....	506.38
23 01 10 91-0005	EA	>100' To 250', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....	723.26
23 01 10 91-0006	EA	>250' To 500', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....	759.58
23 01 10 91-0007	EA	>500' To 1,000', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....	837.68
23 01 10 91-0008	EA	>1,000' To 2,000', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....	1,517.12
23 01 10 91-0009	EA	Up To 100', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....	680.61
23 01 10 91-0010	EA	>100' To 250', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....	977.81
23 01 10 91-0011	EA	>250' To 500', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....	1,034.93
23 01 10 91-0012	EA	>500' To 1,000', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....	1,157.20
23 01 10 91-0013	EA	>1,000' To 2,000', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....	2,103.43
23 01 10 91-0014	EA	Up To 100', >4" To 10" Diameter Pipe, Purge Gas Systems.....	805.79
23 01 10 91-0015	EA	>100' To 250', >4" To 10" Diameter Pipe, Purge Gas Systems.....	1,185.10
23 01 10 91-0016	EA	>250' To 500', >4" To 10" Diameter Pipe, Purge Gas Systems.....	2,731.59
23 01 10 91-0017	EA	>500' To 1,000', >4" To 10" Diameter Pipe, Purge Gas Systems.....	4,264.77
23 01 10 91-0018	EA	>1,000' To 2,000', >4" To 10" Diameter Pipe, Purge Gas Systems.....	8,013.70

#### 23 01 20 Operation and Maintenance of HVAC Piping and Pumps <sup>(23 01)</sup>

##### 23 01 20 91 HVAC Piping and Pumps Restoration <sup>(23 01 20)</sup>

##### 23 01 20 91-0001 Lock Out/Tag Out System <sup>(23 01 20 91)</sup>

23 01 20 91-0002	EA	Up To 1", Lock Out/Tag Out Valve.....	27.41
Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).			
23 01 20 91-0003	EA	>1" To 3", Lock Out/Tag Out Valve.....	32.89
Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).			
23 01 20 91-0004	EA	>3" To 6", Lock Out/Tag Out Valve.....	38.37
Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).			
23 01 20 91-0005	EA	>6" To 10", Lock Out/Tag Out Valve.....	43.85
Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).			
23 01 20 91-0006	EA	>10" To 14", Lock Out/Tag Out Valve.....	54.82
Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).			
23 01 20 91-0007	EA	Lock Out/Tag Out Padlock System.....	10.96
23 01 20 91-0008	EA	Lock Out/Tag Out Tag.....	3.48

##### 23 01 20 91-0009 Freeze Pipe Using CO2 Kit <sup>(23 01 20 91)</sup>

Note: For use on chilled water or cold water piping systems. Excludes cutting existing pipe, and installation of valve or fittings.

23 01 20 91-0010 EA Up To 2" Freeze Pipe Using CO2 Kit..... 317.44

##### 23 01 20 91-0011 Pipe Freezing <sup>(23 01 20 91)</sup>

Note: For use on any water piping systems. Excludes excavation, cutting existing pipe, and installation of valve or fittings.

23 01 20 91-0012	EA	Up To 1" Pipe Freezing, First Location.....	814.87
Note: Includes freezing on each side of valve or fitting.			
23 01 20 91-0013	EA	Up To 1" Pipe Freezing, Each Additional Location After First.....	348.04
Note: Includes freezing on each side of valve or fitting.			
23 01 20 91-0014	EA	>1" To 1-1/2" Pipe Freezing, First Location.....	992.96
Note: Includes freezing on each side of valve or fitting.			
23 01 20 91-0015	EA	>1" To 1-1/2" Pipe Freezing, Each Additional Location After First.....	399.14
Note: Includes freezing on each side of valve or fitting.			
23 01 20 91-0016	EA	>1-1/2" To 2" Pipe Freezing, First Location.....	1,413.08
Note: Includes freezing on each side of valve or fitting.			
23 01 20 91-0017	EA	>1-1/2" To 2" Pipe Freezing, Each Additional Location After First.....	450.40
Note: Includes freezing on each side of valve or fitting.			
23 01 20 91-0018	EA	>2" To 3" Pipe Freezing, First Location.....	1,615.36
Note: Includes freezing on each side of valve or fitting.			
23 01 20 91-0019	EA	>2" To 3" Pipe Freezing, Each Additional Location After First.....	542.62
Note: Includes freezing on each side of valve or fitting.			
23 01 20 91-0020	EA	>3" To 4" Pipe Freezing, First Location.....	2,441.90
Note: Includes freezing on each side of valve or fitting.			
23 01 20 91-0021	EA	>3" To 4" Pipe Freezing, Each Additional Location After First.....	622.97
Note: Includes freezing on each side of valve or fitting.			
23 01 20 91-0022	EA	>4" To 6" Pipe Freezing, First Location.....	5,306.31
Note: Includes freezing on each side of valve or fitting.			

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 01 Operation and Maintenance of HVAC Systems****23 01 20 Operation and Maintenance of HVAC Piping and Pumps**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 01 20 91-0023	EA	>4" To 6" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	872.65	
23 01 20 91-0024	EA	>6" To 8" Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	7,058.44	
23 01 20 91-0025	EA	>6" To 8" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	1,331.94	
23 01 20 91-0026	EA	>8" To 10" Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	9,797.16	
23 01 20 91-0027	EA	>8" To 10" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	1,869.54	
23 01 20 91-0028	EA	>10" To 12" Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	12,662.56	
23 01 20 91-0029	EA	>10" To 12" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	2,485.46	
<b>23 01 20 91-0030</b>		<b>Water/Chlorine Pipe Disinfection/Flush/Testing</b> <small>(23 01 20 91)</small> Note: For existing piping when required. Water/chlorine solution per specification entitled "Water Distribution".		
23 01 20 91-0031	LF	Up To 1", Water/Chlorine Pipe Disinfection/Flush/Testing For >250 To 500, Deduct For >500 To 2000, Deduct For >2000, Deduct	1.83 -0.14 -0.34 -0.50	
23 01 20 91-0032	LF	>1" To 2", Water/Chlorine Pipe Disinfection/Flush/Testing For >250 To 500, Deduct For >500 To 2000, Deduct For >2000, Deduct	2.53 -0.18 -0.46 -0.66	
23 01 20 91-0033	LF	>2" To 3", Water/Chlorine Pipe Disinfection/Flush/Testing For >250 To 500, Deduct For >500 To 2000, Deduct For >2000, Deduct	3.89 -0.27 -0.68 -0.99	
23 01 20 91-0034	LF	4", Water/Chlorine Pipe Disinfection/Flush/Testing For >250 To 500, Deduct For >500 To 2000, Deduct For >2000, Deduct	5.38 -0.36 -0.91 -1.32	
23 01 20 91-0035	LF	6", Water/Chlorine Pipe Disinfection/Flush/Testing For >250 To 500, Deduct For >500 To 2000, Deduct For >2000, Deduct	6.65 -0.44 -1.10 -1.59	
23 01 20 91-0036	LF	8", Water/Chlorine Pipe Disinfection/Flush/Testing For >250 To 500, Deduct For >500 To 2000, Deduct For >2000, Deduct	8.44 -0.55 -1.37 -1.99	
23 01 20 91-0037	LF	10", Water/Chlorine Pipe Disinfection/Flush/Testing For >250 To 500, Deduct For >500 To 2000, Deduct For >2000, Deduct	11.09 -0.73 -1.83 -2.65	
23 01 20 91-0038	LF	12", Water/Chlorine Pipe Disinfection/Flush/Testing For >250 To 500, Deduct For >500 To 2000, Deduct For >2000, Deduct	13.31 -0.88 -2.19 -3.18	
<b>23 01 20 91-0039</b>		<b>Shut Down Existing Piping System</b> <small>(23 01 20 91)</small>		
23 01 20 91-0040	EA	Shut Down Existing Interior Piping System Note: Includes lock out/tag out and average line tracing. Use when valves are greater than 25' from work. When the shut-off valves for multiple lines are located with a 10' radius, the quantity used shall be one.	226.12	
<b>23 01 20 91-0041</b>		<b>Purge Liquid Systems</b> <small>(23 01 20 91)</small> Note: Includes collection of liquid, refilling with liquid and bleeding of air from system.		
23 01 20 91-0042	EA	Up To 50', Up To 3/4" Diameter Pipe, Purge Liquid System	173.29	
23 01 20 91-0043	EA	>50' To 100', Up To 3/4" Diameter Pipe, Purge Liquid System	216.60	
23 01 20 91-0044	EA	>100 To 250', Up To 3/4" Diameter Pipe, Purge Liquid System	309.16	
23 01 20 91-0045	EA	>250 To 500', Up To 3/4" Diameter Pipe, Purge Liquid System	370.47	
23 01 20 91-0046	EA	>500 To 1,000', Up To 3/4" Diameter Pipe, Purge Liquid System	391.64	
23 01 20 91-0047	EA	>1,000 To 2,000', Up To 3/4" Diameter Pipe, Purge Liquid System	747.74	
23 01 20 91-0048	EA	Up To 100', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	360.86	
23 01 20 91-0049	EA	>100 To 250', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	515.37	
23 01 20 91-0050	EA	>250 To 500', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	617.52	
23 01 20 91-0051	EA	>500 To 1,000', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	652.80	
23 01 20 91-0052	EA	>1,000 To 2,000', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	1,246.27	
23 01 20 91-0053	EA	Up To 100', >1-1/2" To 4" Diameter Pipe, Purge Liquid System	480.34	
23 01 20 91-0054	EA	>100 To 250', >1-1/2" To 4" Diameter Pipe, Purge Liquid System	685.44	
23 01 20 91-0055	EA	>250 To 500', >1-1/2" To 4" Diameter Pipe, Purge Liquid System	816.01	
23 01 20 91-0056	EA	>500 To 1,000', >1-1/2" To 4" Diameter Pipe, Purge Liquid System	867.66	
23 01 20 91-0057	EA	>1,000 To 2,000', >1-1/2" To 4" Diameter Pipe, Purge Liquid System	1,671.83	
23 01 20 91-0058	EA	Up To 100', >4" To 10" Diameter Pipe, Purge Liquid System	592.18	
23 01 20 91-0059	EA	>100 To 250', >4" To 10" Diameter Pipe, Purge Liquid System	846.23	
23 01 20 91-0060	EA	>250 To 500', >4" To 10" Diameter Pipe, Purge Liquid System	2,329.51	
23 01 20 91-0061	EA	>1,000 To 2,000', >4" To 10" Diameter Pipe, Purge Liquid System	3,696.83	
<b>23 01 20 91-0062</b>		<b>Special Cleaning Of Piping Systems</b> <small>(23 01 20 91)</small>		
<b>23 01 20 91-0063</b>		<b>Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing</b> <small>(23 01 20 91-0062)</small>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 20 91-0064	LF		Up To 1", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing.....	2.32	
			For >250 To 500, Deduct	-0.16	
			For >500 To 2000, Deduct	-0.39	
			For >2000, Deduct	-0.57	
23 01 20 91-0065	LF		>1" To 2", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing.....	3.88	
			For >250 To 500, Deduct	-0.25	
			For >500 To 2000, Deduct	-0.63	
			For >2000, Deduct	-0.91	
23 01 20 91-0066	LF		>2" To 3", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing.....	5.45	
			For >250 To 500, Deduct	-0.35	
			For >500 To 2000, Deduct	-0.87	
			For >2000, Deduct	-1.26	
23 01 20 91-0067	LF		>3" To 4", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing.....	7.05	
			For >250 To 500, Deduct	-0.45	
			For >500 To 2000, Deduct	-1.12	
			For >2000, Deduct	-1.62	
23 01 20 91-0068	LF		>4" To 6", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing.....	9.78	
			For >250 To 500, Deduct	-0.63	
			For >500 To 2000, Deduct	-1.57	
			For >2000, Deduct	-2.27	
<b>23 01 20 91-0069</b>			<b>Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing (23 01 20 91-0062)</b>		
23 01 20 91-0070	LF		Up To 1", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing.....	2.51	
			For >250 To 500, Deduct	-0.16	
			For >500 To 2000, Deduct	-0.39	
			For >2000, Deduct	-0.57	
23 01 20 91-0071	LF		>1" To 2", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing.....	4.13	
			For >250 To 500, Deduct	-0.25	
			For >500 To 2000, Deduct	-0.63	
			For >2000, Deduct	-0.91	
23 01 20 91-0072	LF		>2" To 3", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing.....	5.79	
			For >250 To 500, Deduct	-0.35	
			For >500 To 2000, Deduct	-0.87	
			For >2000, Deduct	-1.26	
23 01 20 91-0073	LF		>3" To 4", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing.....	7.57	
			For >250 To 500, Deduct	-0.45	
			For >500 To 2000, Deduct	-1.12	
			For >2000, Deduct	-1.62	
23 01 20 91-0074	LF		>4" To 6", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing.....	10.46	
			For >250 To 500, Deduct	-0.63	
			For >500 To 2000, Deduct	-1.57	
			For >2000, Deduct	-2.27	
<b>23 01 20 91-0075</b>			<b>Drewspers 4945/4395 Pipe Disinfection/Flush/Testing (23 01 20 91-0062)</b>		
23 01 20 91-0076	LF		Up To 1", Drewspers 4945/4395 Pipe Disinfection/Flush/Testing.....	2.57	
			For >250 To 500, Deduct	-0.16	
			For >500 To 2000, Deduct	-0.39	
			For >2000, Deduct	-0.57	
23 01 20 91-0077	LF		>1" To 2", Drewspers 4945/4395 Pipe Disinfection/Flush/Testing.....	4.22	
			For >250 To 500, Deduct	-0.25	
			For >500 To 2000, Deduct	-0.63	
			For >2000, Deduct	-0.91	
23 01 20 91-0078	LF		>2" To 3", Drewspers 4945/4395 Pipe Disinfection/Flush/Testing.....	5.93	
			For >250 To 500, Deduct	-0.35	
			For >500 To 2000, Deduct	-0.87	
			For >2000, Deduct	-1.26	
23 01 20 91-0079	LF		>3" To 4", Drewspers 4945/4395 Pipe Disinfection/Flush/Testing.....	7.76	
			For >250 To 500, Deduct	-0.45	
			For >500 To 2000, Deduct	-1.12	
			For >2000, Deduct	-1.62	
23 01 20 91-0080	LF		>4" To 6", Drewspers 4945/4395 Pipe Disinfection/Flush/Testing.....	10.73	
			For >250 To 500, Deduct	-0.63	
			For >500 To 2000, Deduct	-1.57	
			For >2000, Deduct	-2.27	
<b>23 01 20 91-0081</b>			<b>Add-A-Valve Emergency Shut Off Device (23 01 20 91)</b>		
23 01 20 91-0082	EA		1/2" Add-A-Valve Emergency Shut Off Device (Jomar 800-103ADD) .....	322.74	
23 01 20 91-0083	EA		3/4" Add-A-Valve Emergency Shut Off Device (Jomar 800-104ADD) .....	406.20	
23 01 20 91-0084	EA		1" Add-A-Valve Emergency Shut Off Device (Jomar 800-105ADD) .....	562.17	
23 01 20 91-0085	EA		1-1/4" Add-A-Valve Emergency Shut Off Device (Jomar 800-106ADD) .....	858.67	
23 01 20 91-0086	EA		1-1/2" Add-A-Valve Emergency Shut Off Device (Jomar 800-107ADD) .....	1,059.70	
23 01 20 91-0087	EA		2" Add-A-Valve Emergency Shut Off Device (Jomar 800-108ADD) .....	1,598.42	
<b>23 01 30</b>			<b>Operation and Maintenance of HVAC Air Distribution (23 01)</b>		
<b>23 01 30 51</b>			<b>HVAC Air-Distribution System Cleaning (23 01 30)</b>		
<b>23 01 30 51-0001</b>			<b>Cleaning Of Ductwork And HVAC Equipment (23 01 30 51)</b>		
23 01 30 51-0002	LF		Up To 2 SF Cross Section, Clean Supply/Return Ductwork .....	3.53	
			Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.		
			For Exhaust Ductwork, Add		0.88

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 01 Operation and Maintenance of HVAC Systems**

**23 01 30 Operation and Maintenance of HVAC Air Distribution**



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 01 30 51-0003	LF	>2 SF To 4 SF Cross Section, Clean Supply/Return Ductwork	4.43
		Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	
		<i>For Exhaust Ductwork, Add</i>	1.11
23 01 30 51-0004	LF	>4 SF To 8 SF Cross Section, Clean Supply/Return Ductwork	5.94
		Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	
		<i>For Exhaust Ductwork, Add</i>	1.49
23 01 30 51-0005	LF	>8 SF Cross Section, Clean Supply/Return Ductwork	8.40
		Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	
		<i>For Exhaust Ductwork, Add</i>	2.10
23 01 30 51-0006	SF	Clean Duct Dampers	11.89
23 01 30 51-0007	SF	Clean Duct Fire Dampers	23.78
23 01 30 51-0008	SF	Clean Louver	9.52
23 01 30 51-0009	EA	Clean Turning Vane Set	28.55
23 01 30 51-0010	EA	Clean Grille/Diffuser/Register	28.55
		Note: Includes removal and reinstallation.	
23 01 30 51-0011	LF	Clean Linear Diffuser	7.14
		Note: Includes removal and reinstallation.	
23 01 30 51-0012	EA	Cut Access For Cleaning Duct And Install Duct Insulated Access Doors	91.40
		<i>For Stainless Steel, Add</i>	54.60
23 01 30 51-0013	EA	Clean Variable Air Volume (VAV) Unit	85.63
23 01 30 51-0014	EA	Clean Fan Powered Induction Unit (PIU) Unit	114.17
23 01 30 51-0015	EA	Clean Fan Coil Unit (FCU)	114.17
23 01 30 51-0016	EA	Clean Packaged Terminal Air Conditioning Unit	114.17
23 01 30 51-0017	EA	Clean Supply Or Return Fan	228.34
23 01 30 51-0018	EA	Clean Exhaust Fan	199.81
23 01 30 51-0019	EA	Clean Duct Coil	171.26
23 01 30 51-0020	SF	Clean Air Handling Unit Interior Housing With High Efficiency Particulate Air (HEPA) Vacuum	5.71
		Note: Excluding fan and coils.	
23 01 30 51-0021	EA	Clean Air Handling Unit Fan	228.34
23 01 30 51-0022	EA	Clean Air Handling Unit Coil	342.52
23 01 30 51-0023	SF	Clean Equipment Surfaces, Rust Reform And Prime	3.03
23 01 30 51-0024	SF	Clean Interior Equipment Surfaces, Rust Reform And Prime	3.59
23 01 30 51-0025	SF	High Efficiency Particulate Air (HEPA) Vacuuming Of Walls, Ceilings And Floors In Mechanical Rooms	0.61
23 01 30 51-0026	EA	Cleaning Of Ductwork Minimum Set-up Charge	802.58
		Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	
23 01 30 51-0027	SF	Apply Antimicrobial Agent To Ductwork And Surfaces After Cleaning	0.50

**23 01 30 61 HVAC Air-Distribution Duct Repair (23 01 30)**

23 01 30 61-0001		<b>Repair And Seal Ductwork (23 01 30 61)</b>	
		Note: Includes removal of existing insulation, repair/seal ductwork with Duct Sealer and reinstallation of insulation. Excludes new ductwork.	
23 01 30 61-0002	SF	Repair And Sealing Of Ductwork	2.04
		Note: Clean, apply sealant and tape	

**23 01 50 Operation and Maintenance of Central Heating Equipment (23 01)**

**23 01 50 61 Central Heating Equipment Repair (23 01 50)**

23 01 50 61-0001		<b>Boiler Repairs (23 01 50 61)</b>	
23 01 50 61-0002		<b>Setup And Maintenance (23 01 50 61-0001)</b>	
23 01 50 61-0003	EA	Set-up Charge For Boiler Fire Side Maintenance	2,350.47
		Note: Includes removing/relocating doors, plates, portals, and burners required to access fireside.	
23 01 50 61-0004	EA	Close-up Charge For Boiler Fire Side Maintenance	2,541.79
		Note: Includes replacement of doors, plates, portals, burners, adhesive, rope, wool, and seals.	
		<i>For Burner Seals, Add</i>	635.05
		<i>Note: Used when burner must be removed from door for maintenance.</i>	
23 01 50 61-0005	EA	Setup Charge For Boiler Water Side Maintenance	3,133.98
		Note: Includes closing valves, draining, and positioning equipment needed for tube replacement.	
23 01 50 61-0006	EA	Up To 100 HP, Hydrostatic Test - Boiler Maintenance	1,566.99
		Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test.	
23 01 50 61-0007	EA	>100 HP, Hydrostatic Test - Boiler Maintenance	3,133.98
		Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test.	
23 01 50 61-0008	EA	Removal And Replacement Of Handhole	97.94
23 01 50 61-0009	EA	Removal And Replacement Of Manhole	293.81
23 01 50 61-0010	SF	Sheet Metal Jacket Patch	11.06

**23 01 50 61-0011 Boiler Tube Replacement (23 01 50 61-0001)**

23 01 50 61-0012	EA	Removal Of Up To 2" Boiler Tube	235.05
23 01 50 61-0013	EA	Removal Of >2" To 3" Boiler Tube	293.82
23 01 50 61-0014	EA	Removal Of >3" To 4" Boiler Tube	411.33
23 01 50 61-0015	LF	Place 1-1/2" Boiler Tube Into Position For Termination	7.67
		Note: Includes black steel tube, fasteners and accessories.	
23 01 50 61-0016	LF	Place 2" Boiler Tube Into Position For Termination	8.89
		Note: Includes black steel tube, fasteners and accessories.	
23 01 50 61-0017	LF	Place 2-1/2" Boiler Tube Into Position For Termination	10.12
		Note: Includes black steel tube, fasteners and accessories.	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 50 61-0018	LF		Place 3" Boiler Tube Into Position For Termination ..... Note: Includes black steel tube, fasteners and accessories.	14.29	
23 01 50 61-0019	LF		Place 3-1/2" Boiler Tube Into Position For Termination ..... Note: Includes black steel tube, fasteners and accessories.	16.68	
23 01 50 61-0020	LF		Place 4" Boiler Tube Into Position For Termination ..... Note: Includes black steel tube, fasteners and accessories.	21.20	
23 01 50 61-0021	EA		1-1/2" Rolled Boiler Tube Termination (2 Per New Tube).....	29.38	
23 01 50 61-0022	EA		2" Rolled Boiler Tube Termination (2 Per New Tube).....	44.07	
23 01 50 61-0023	EA		2-1/2" Rolled Boiler Tube Termination (2 Per New Tube).....	58.76	
23 01 50 61-0024	EA		3" Rolled Boiler Tube Termination (2 Per New Tube).....	73.46	
23 01 50 61-0025	EA		3-1/2" Rolled Boiler Tube Termination (2 Per New Tube).....	88.15	
23 01 50 61-0026	EA		4" Rolled Boiler Tube Termination (2 Per New Tube).....	102.84	
23 01 50 61-0027	EA		1-1/2" Welded Boiler Tube Termination (2 Per New Tube).....	88.15	
23 01 50 61-0028	EA		2" Welded Boiler Tube Termination (2 Per New Tube).....	117.53	
23 01 50 61-0029	EA		2-1/2" Welded Boiler Tube Termination (2 Per New Tube).....	146.90	
23 01 50 61-0030	EA		3" Welded Boiler Tube Termination (2 Per New Tube).....	176.28	
23 01 50 61-0031	EA		3-1/2" Welded Boiler Tube Termination (2 Per New Tube).....	205.67	
23 01 50 61-0032	EA		4" Welded Boiler Tube Termination (2 Per New Tube).....	235.05	
23 01 50 61-0033	EA		Plug Boiler Tube Hole Where Boiler Tube Is Not Replaced.....	327.30	
<b>23 01 50 61-0034</b>			<b>Cast Iron Boiler Section Replacement</b> (23 01 50 61-0001)		
23 01 50 61-0035	EA		Removal And Replacement Of Front Section Of Weil McLain Model 80 Cast Iron Boiler.....	2,500.40	
23 01 50 61-0036	EA		Removal And Replacement Of Rear Section Of Weil McLain Model 80 Cast Iron Boiler .....	1,691.68	
23 01 50 61-0037	EA		Removal And Replacement Of Inside Section Of Weil McLain Model 80 Cast Iron Boiler .....	2,182.54	
23 01 50 61-0038	EA		Removal And Replacement Of Front Section Of Weil McLain Model 88 Cast Iron Boiler.....	4,550.30	
23 01 50 61-0039	EA		Removal And Replacement Of Rear Section Of Weil McLain Model 88 Cast Iron Boiler .....	3,300.66	
23 01 50 61-0040	EA		Removal And Replacement Of Inside Section Of Weil McLain Model 88 Cast Iron Boiler .....	3,942.32	
23 01 50 61-0041	EA		Removal And Replacement Of Front Section Of Weil McLain Model 94 Cast Iron Boiler.....	7,313.66	
23 01 50 61-0042	EA		Removal And Replacement Of Rear Section Of Weil McLain Model 94 Cast Iron Boiler .....	5,605.27	
23 01 50 61-0043	EA		Removal And Replacement Of Inside Section Of Weil McLain Model 94 Cast Iron Boiler .....	6,158.49	
<b>23 01 50 61-0044</b>			<b>Cast Iron Grate Replacement</b> (23 01 50 61-0001)		
23 01 50 61-0045	SF		Removal And Replacement Of Cast Iron Boiler Grates, Prepared From Casting Mold .....	122.76	
			Note: Includes support, linkages and removal of existing.		
23 01 50 61-0046	EA		Prepare Cast Iron Boiler Grate Mold.....	1,752.05	
			Note: Includes preparing unique size mold for grate casting. Mold to be used for multiple castings.		
<b>23 01 50 61-0047</b>			<b>Replacement Or Conversion Of Boiler Burners</b> (23 01 50 61-0001)		
			Note: Includes mounting plate, mechanical and electrical labor for installation of burners.		
23 01 50 61-0048	EA		700 MBH Max Input Burner With 2" Boiler Connection, Screwed.....	8,862.86	1,076.10
23 01 50 61-0049	EA		2,100 MBH Max Input Burner With 2-1/2" Boiler Connection, Screwed.....	12,759.73	1,332.29
23 01 50 61-0050	EA		2,800 MBH Max Input Burner With 3" Boiler Connection, Screwed.....	15,076.81	1,614.03
23 01 50 61-0051	EA		3,800 MBH Max Input Burner With 4" Boiler Connection, Flanged.....	17,763.35	1,737.21
<b>23 01 50 61-0052</b>			<b>Boiler And Chiller Water Treatment</b> (23 01 50 61)		
			Note: 3 LB chemical per 50 gallon system water.		
23 01 50 61-0053	LB		Boil Out Boiler And System With Caustic Soda .....	1.37	
			Note: Includes disposal after treatment.		
23 01 50 61-0054	LB		Boil Out Boiler And System With Trisodium Phosphate.....	2.05	
			Note: Includes disposal after treatment.		
23 01 50 61-0055	GAL		Corrosion Resistant Chemical Treatment, Based On Gallons Of Chemical Required .....	128.08	
<b>23 01 60</b>			<b>Operation and Maintenance of Central Cooling Equipment</b> (23 01)		
<b>23 01 60 71</b>			<b>Refrigerant Recovery/Recycling</b> (23 01 60)		
<b>23 01 60 71-0001</b>			<b>Refrigerant Recovery, Reclaim And Recycling</b> (23 01 60 71)		
23 01 60 71-0002	LB		Recovery Of Refrigerant .....	8.59	
23 01 60 71-0003	LB		Recovery And Recharging Of Refrigerant .....	16.10	
			Note: Includes cleaning refrigerant gas prior to recharging.		
<b>23 05</b>			<b>Common Work Results for HVAC</b> (23)		
<b>23 05 13</b>			<b>Common Motor Requirements for HVAC Equipment</b> (23 05)		
			Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor.		
<b>23 05 13 00-0001</b>			<b>Premium Efficient, Motors</b> (23 05 13)		
			Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. Excludes installation. See CSI section 23 05 13 00-0216 for installation.		
<b>23 05 13 00-0002</b>			<b>Premium Efficient, Open Drip Proof Motors</b> (23 05 13 00-0001)		
			Note: NEMA premium efficiency, open drip proof, three phase AC motors.		
<b>23 05 13 00-0003</b>			<b>Steel Frame, Premium Efficient, Open Drip Proof Motors</b> (23 05 13 00-0002)		
23 05 13 00-0004	EA		1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	672.37	
23 05 13 00-0005	EA		1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	761.34	
23 05 13 00-0006	EA		1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor .....	892.60	
23 05 13 00-0007	EA		1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	749.67	
23 05 13 00-0008	EA		1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	796.34	
23 05 13 00-0009	EA		1-1/2 HP, 1,200 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	1,044.29	





23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 05 Common Work Results for HVAC

23 05 13 Common Motor Requirements for HVAC Equipment



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

Table with 5 columns: CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Lists various motor specifications and their costs.

23 05 13 00-0197 Premium Efficient, Explosion Proof Motors (23 05 13 00-0001)

Note: NEMA premium efficiency, explosion proof, three phase AC motors.

Table with 5 columns: CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Lists explosion proof motor specifications and their costs.

23 05 13 00-0216 Motor Mounting (23 05 13)

Note: Includes handling and motor installation on mounting base. Excludes mounting base.

Table with 5 columns: CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Lists motor mounting specifications and their costs.

23 05 16 Expansion Fittings and Loops for HVAC Piping (23 05)

23 05 16 00-0001 Stainless Steel Bellows Type Expansion Joints (23 05 16)

Note: Includes internal sleeves and external covers.

23 05 16 00-0002 Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joints (23 05 16 00-0001)

Note: Carbon steel ends. Includes internal sleeves and external covers.

Table with 5 columns: CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Lists threaded expansion joint specifications and their costs.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 05 16 00-0004	EA 3/4" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	226.57 6.83	99.69
23 05 16 00-0005	EA 1" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	264.10 8.91	114.27
23 05 16 00-0006	EA 1-1/4" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	297.56 10.69	127.55
23 05 16 00-0007	EA 1-1/2" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	321.65 11.87	137.09
23 05 16 00-0008	EA 2" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	372.42 12.46	161.32
<b>23 05 16 00-0009 Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joints</b> <small>(23 05 16 00-0001)</small>			
Note: Carbon steel ends. Includes internal sleeves and external covers.			
23 05 16 00-0010	EA 1-1/4" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	681.30 142.88	88.38
23 05 16 00-0011	EA 1-1/2" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	741.78 152.22	106.06
23 05 16 00-0012	EA 2" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	777.34 152.25	134.65
23 05 16 00-0013	EA 2-1/2" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	837.75 163.53	146.47
23 05 16 00-0014	EA 3" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	921.74 176.71	171.73
23 05 16 00-0015	EA 4" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	1,123.18 190.61	287.89
23 05 16 00-0016	EA 5" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	1,529.70 284.19	314.85
23 05 16 00-0017	EA 6" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	1,412.39 243.39	349.83
23 05 16 00-0018	EA 8" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	1,817.17 315.47	447.00
23 05 16 00-0019	EA 10" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	2,312.53 408.08	544.17
23 05 16 00-0020	EA 12" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	3,039.57 553.52	412.21
23 05 16 00-0021	EA 14" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	3,873.21 725.37	777.39
23 05 16 00-0022	EA 16" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	5,013.09 986.05	855.13
<b>23 05 16 00-0023 Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joints</b> <small>(23 05 16 00-0001)</small>			
Note: Carbon steel ends. Includes internal sleeves and external covers.			
23 05 16 00-0024	EA 1-1/4" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	701.37 114.76	121.22
23 05 16 00-0025	EA 1-1/2" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	733.50 122.26	122.22
23 05 16 00-0026	EA 2" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	741.91 122.28	126.27
23 05 16 00-0027	EA 2-1/2" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	801.05 131.34	137.68
23 05 16 00-0028	EA 3" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	893.05 142.22	161.92
23 05 16 00-0029	EA 4" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	1,256.59 153.09	322.44
23 05 16 00-0030	EA 5" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	1,569.61 228.26	329.13
23 05 16 00-0031	EA 6" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	1,510.22 195.49	364.40
23 05 16 00-0032	EA 8" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	1,845.10 253.39	416.39
23 05 16 00-0033	EA 10" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	2,329.36 327.77	510.16
23 05 16 00-0034	EA 12" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	3,015.08 444.58	618.41
23 05 16 00-0035	EA 14" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	3,680.33 605.17	629.69
23 05 16 00-0036	EA 16" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	4,865.17 822.65	787.10
<b>23 05 16 00-0037</b>	<b>Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joints</b> <small>(23 05 16)</small>		
<b>23 05 16 00-0038</b>	<b>Flanged, 150 LB, Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joints</b> <small>(23 05 16 00-0037)</small>		
23 05 16 00-0039	EA 2" Flanged, 150 LB, Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	674.45	134.65
23 05 16 00-0040	EA 2-1/2" Flanged, 150 LB, Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	727.24	146.47
23 05 16 00-0041	EA 3" Flanged, 150 LB, Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	802.32	171.73
23 05 16 00-0042	EA 4" Flanged, 150 LB, Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	994.37	287.89
23 05 16 00-0043	EA 5" Flanged, 150 LB, Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	1,337.65	314.85
23 05 16 00-0044	EA 6" Flanged, 150 LB, Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	1,247.91	349.83
23 05 16 00-0045	EA 8" Flanged, 150 LB, Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	1,603.98	447.00
23 05 16 00-0046	EA 10" Flanged, 150 LB, Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	2,036.75	544.17
23 05 16 00-0047	EA 12" Flanged, 150 LB, Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	2,665.51	412.70
23 05 16 00-0048	EA 14" Flanged, 150 LB, Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	3,383.01	777.39











**Heating, Ventilating, and Air-Conditioning (HVAC) 23**

**Common Work Results for HVAC 23 05**

Expansion Fittings and Loops for HVAC Piping 23 05 16



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0229 EA 20" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	5,471.61	1,068.91
23 05 16 00-0230 EA 24" x 10" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	7,119.31	1,311.85
<b>23 05 16 00-0231</b> Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 800) (23 05 16 00-0091)		
<b>23 05 16 00-0232</b> 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802) (23 05 16 00-0231)		
23 05 16 00-0233 EA 1" x 1-3/8" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	442.88	75.76
23 05 16 00-0234 EA 1-1/2" x 1-3/8" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	500.99	81.32
23 05 16 00-0235 EA 2" x 1-5/8" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	666.50	84.14
23 05 16 00-0236 EA 2-1/2" x 2-1/4" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	851.15	91.92
23 05 16 00-0237 EA 3" x 2-1/4" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	1,173.24	182.50
23 05 16 00-0238 EA 4" x 2-5/8" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	1,576.71	233.82
23 05 16 00-0239 EA 5" x 3-1/4" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	1,910.42	254.99
23 05 16 00-0240 EA 6" x 2-3/4" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	2,111.86	242.93
23 05 16 00-0241 EA 8" x 4" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	2,895.58	277.63
23 05 16 00-0242 EA 10" x 5-1/4" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	3,743.21	330.20
23 05 16 00-0243 EA 12" x 6" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	5,178.56	413.47
<b>23 05 16 00-0244</b> 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803) (23 05 16 00-0231)		
23 05 16 00-0245 EA 1" x 1-3/4" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	489.88	75.76
23 05 16 00-0246 EA 1-1/2" x 2" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	547.96	81.32
23 05 16 00-0247 EA 2" x 2-3/4" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	741.69	84.14
23 05 16 00-0248 EA 2-1/2" x 3-1/4" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	954.54	91.92
23 05 16 00-0249 EA 3" x 3-5/8" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	1,286.02	182.50
23 05 16 00-0250 EA 4" x 3-5/8" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	1,745.89	233.82
23 05 16 00-0251 EA 5" x 4" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	2,117.19	254.99
23 05 16 00-0252 EA 6" x 4" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	2,365.63	242.93
23 05 16 00-0253 EA 8" x 6" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	3,243.34	277.63
23 05 16 00-0254 EA 10" x 6" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	4,203.75	330.20
23 05 16 00-0255 EA 12" x 7" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	5,827.08	413.47
<b>23 05 16 00-0256</b> 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805) (23 05 16 00-0231)		
23 05 16 00-0257 EA 1" x 3" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	536.87	75.76
23 05 16 00-0258 EA 1-1/2" x 3-1/2" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	679.56	81.32
23 05 16 00-0259 EA 2" x 4" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	863.87	84.14
23 05 16 00-0260 EA 2-1/2" x 4" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	1,142.52	91.92
23 05 16 00-0261 EA 3" x 5" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	1,549.19	182.50
23 05 16 00-0262 EA 4" x 5-1/4" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	1,999.65	233.82
23 05 16 00-0263 EA 5" x 6" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	2,615.33	254.99
23 05 16 00-0264 EA 6" x 6" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	2,788.58	242.93
23 05 16 00-0265 EA 8" x 8" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	4,192.62	277.63
23 05 16 00-0266 EA 10" x 8" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	5,566.57	330.20
23 05 16 00-0267 EA 12" x 9" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	6,964.34	413.47
<b>23 05 16 00-0268</b> Mercer Rubber, Series 450 (23 05 16 00-0091)		
<b>23 05 16 00-0269</b> Expansion Joints, 2 Arch (452) (23 05 16 00-0268)		
23 05 16 00-0270 EA 1-1/2" x 12" Expansion Joints, 2 Arch	540.93	81.32
23 05 16 00-0271 EA 2" x 12" Expansion Joints, 2 Arch	603.05	84.14
23 05 16 00-0272 EA 2-1/2" x 12" Expansion Joints, 2 Arch	667.88	91.92
23 05 16 00-0273 EA 3" x 12" Expansion Joints, 2 Arch	912.42	182.50
23 05 16 00-0274 EA 4" x 12" Expansion Joints, 2 Arch	1,052.73	233.82
23 05 16 00-0275 EA 6" x 12" Expansion Joints, 2 Arch	1,167.28	242.93
23 05 16 00-0276 EA 8" x 12" Expansion Joints, 2 Arch	1,311.88	277.63
23 05 16 00-0277 EA 10" x 14" Expansion Joints, 2 Arch	1,755.36	330.20
23 05 16 00-0278 EA 12" x 14" Expansion Joints, 2 Arch	2,072.85	413.77
23 05 16 00-0279 EA 14" x 14" Expansion Joints, 2 Arch	2,401.71	419.60
23 05 16 00-0280 EA 16" x 14" Expansion Joints, 2 Arch	2,902.75	523.28
23 05 16 00-0281 EA 18" x 14" Expansion Joints, 2 Arch	3,243.52	593.73
23 05 16 00-0282 EA 20" x 14" Expansion Joints, 2 Arch	3,674.33	668.16
23 05 16 00-0283 EA 24" x 16" Expansion Joints, 2 Arch	4,401.56	820.35
<b>23 05 16 00-0284</b> Mercer Rubber, Series 502 And 701 (23 05 16 00-0091)		
<b>23 05 16 00-0285</b> 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR) (23 05 16 00-0284)		
Note: Baked enamel, coated ductile iron backup rings.		
23 05 16 00-0286 EA 1-1/2" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	847.22	106.33
23 05 16 00-0287 EA 2" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	901.47	134.69
23 05 16 00-0288 EA 2-1/2" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	963.75	146.93
23 05 16 00-0289 EA 3" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	1,032.24	186.68
23 05 16 00-0290 EA 4" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	1,331.57	313.35
23 05 16 00-0291 EA 5" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	1,571.35	354.79
23 05 16 00-0292 EA 6" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	1,623.10	351.08

# 23 Heating, Ventilating, and Air-Conditioning (HVAC)

## 23 05 Common Work Results for HVAC

### 23 05 16 Expansion Fittings and Loops for HVAC Piping



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 05 16 00-0293	EA	8" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	1,936.90	447.00
23 05 16 00-0294	EA	10" x 12" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	2,278.01	544.17
23 05 16 00-0295	EA	12" x 12" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	2,659.69	413.47
23 05 16 00-0296	EA	14" x 12" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	3,274.45	777.39
23 05 16 00-0297	EA	16" x 12" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	3,803.96	855.13
23 05 16 00-0298	EA	18" x 12" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	4,211.93	948.42
23 05 16 00-0299	EA	20" x 12" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	4,776.10	1,068.91
23 05 16 00-0300	EA	24" x 14" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	5,700.09	1,311.85
23 05 16 00-0301	EA	30" x 14" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	8,443.15	2,137.82
23 05 16 00-0302	EA	36" x 14" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	10,612.14	2,850.43
23 05 16 00-0303	EA	42" x 16" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	14,235.82	4,275.65
23 05 16 00-0304	EA	48" x 16" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	16,869.01	5,344.56
23 05 16 00-0305	EA	60" x 16" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	22,966.51	7,696.16

#### 23 05 16 00-0306 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N) (23 05 16 00-0284)

Note: Butyl 502B, Neoprene 502N. Baked enamel, coated ductile iron backup rings.

23 05 16 00-0307	EA	1-1/2" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	922.41	106.33
23 05 16 00-0308	EA	2" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	976.66	134.69
23 05 16 00-0309	EA	2-1/2" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	1,048.34	146.93
23 05 16 00-0310	EA	3" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	1,116.83	186.68
23 05 16 00-0311	EA	4" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	1,406.76	313.35
23 05 16 00-0312	EA	5" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	1,684.13	354.79
23 05 16 00-0313	EA	6" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	1,717.09	351.08
23 05 16 00-0314	EA	8" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	2,077.89	447.00
23 05 16 00-0315	EA	10" x 12" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	2,428.39	544.17
23 05 16 00-0316	EA	12" x 12" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	2,819.47	413.47
23 05 16 00-0317	EA	14" x 12" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	3,490.62	777.39
23 05 16 00-0318	EA	16" x 12" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	4,057.73	855.13
23 05 16 00-0319	EA	18" x 12" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	4,493.90	948.42
23 05 16 00-0320	EA	20" x 12" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	5,095.66	1,068.91
23 05 16 00-0321	EA	24" x 14" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	6,076.04	1,311.85
23 05 16 00-0322	EA	30" x 14" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	8,997.68	2,137.82
23 05 16 00-0323	EA	36" x 14" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	11,270.06	2,850.43
23 05 16 00-0324	EA	42" x 16" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	15,081.72	4,275.65
23 05 16 00-0325	EA	48" x 16" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	17,846.48	5,344.56
23 05 16 00-0326	EA	60" x 16" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	24,301.14	7,696.16

#### 23 05 16 00-0327 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joints (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN) (23 05 16 00-0284)

Note: Nitrile 502Ni, Nitrile/Neoprene 502NiN, Ethylene Propylene Diene Monomer (EPDM) 502E, Neoprene/Natural 502NR or Natural/Neoprene 502RN. Baked enamel, coated ductile iron backup rings.

23 05 16 00-0328	EA	1-1/2" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	950.61	106.33
23 05 16 00-0329	EA	2" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	1,033.05	134.69
23 05 16 00-0330	EA	2-1/2" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	1,095.33	146.93
23 05 16 00-0331	EA	3" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	1,173.22	186.68
23 05 16 00-0332	EA	4" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	1,481.95	313.35
23 05 16 00-0333	EA	5" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	1,740.52	354.79
23 05 16 00-0334	EA	6" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	1,811.07	351.08
23 05 16 00-0335	EA	8" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	2,153.08	447.00
23 05 16 00-0336	EA	10" x 12" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	2,522.37	544.17
23 05 16 00-0337	EA	12" x 12" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	2,932.25	413.47
23 05 16 00-0338	EA	14" x 12" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	3,603.40	777.39
23 05 16 00-0339	EA	16" x 12" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	4,208.11	855.13
23 05 16 00-0340	EA	18" x 12" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	4,663.08	948.42

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0341	EA	20" x 12" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	5,321.23	1,068.91
23 05 16 00-0342	EA	24" x 14" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	6,282.82	1,311.85
23 05 16 00-0343	EA	30" x 14" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	9,025.88	2,137.82
23 05 16 00-0344	EA	36" x 14" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	11,646.01	2,850.43
23 05 16 00-0345	EA	42" x 16" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	15,608.05	4,275.65
23 05 16 00-0346	EA	48" x 16" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	18,429.21	5,344.56
23 05 16 00-0347	EA	60" x 16" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	25,090.63	7,696.16
<b>23 05 16 00-0348</b>		<b>2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joints (Mercer 502H, 502HN Or 502NH)</b> <small>(23 05 16 00-0284)</small>		
		Note: Hypalon 502H, Hypalon/Neoprene 502HN Or Neoprene/Hypalon 502NH. Baked enamel, coated ductile iron backup rings.		
23 05 16 00-0349	EA	1-1/2" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	997.60	106.33
23 05 16 00-0350	EA	2" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	1,051.85	134.69
23 05 16 00-0351	EA	2-1/2" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	1,123.53	146.93
23 05 16 00-0352	EA	3" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	1,220.21	186.68
23 05 16 00-0353	EA	4" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	1,519.55	313.35
23 05 16 00-0354	EA	5" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	1,815.71	354.79
23 05 16 00-0355	EA	6" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	1,886.27	351.08
23 05 16 00-0356	EA	8" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	2,228.27	447.00
23 05 16 00-0357	EA	10" x 12" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	2,616.36	544.17
23 05 16 00-0358	EA	12" x 12" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	3,063.83	413.47
23 05 16 00-0359	EA	14" x 12" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	3,734.99	777.39
23 05 16 00-0360	EA	16" x 12" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	4,377.29	855.13
23 05 16 00-0361	EA	18" x 12" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	4,851.05	948.42
23 05 16 00-0362	EA	20" x 12" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	5,528.00	1,068.91
23 05 16 00-0363	EA	24" x 14" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	6,498.99	1,311.85
23 05 16 00-0364	EA	30" x 14" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	9,646.20	2,137.82
23 05 16 00-0365	EA	36" x 14" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	12,097.15	2,850.43
23 05 16 00-0366	EA	42" x 16" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	16,134.38	4,275.65
23 05 16 00-0367	EA	48" x 16" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	18,880.35	5,344.56
23 05 16 00-0368	EA	60" x 16" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	25,692.16	7,696.16
<b>23 05 16 00-0369</b>		<b>2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)</b> <small>(23 05 16 00-0284)</small>		
		Note: Baked enamel, coated ductile iron backup rings.		
23 05 16 00-0370	EA	1-1/2" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	1,241.97	106.33
23 05 16 00-0371	EA	2" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	1,352.61	134.69
23 05 16 00-0372	EA	2-1/2" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	1,443.09	146.93
23 05 16 00-0373	EA	3" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	1,915.73	186.68
23 05 16 00-0374	EA	4" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	2,515.82	313.35
23 05 16 00-0375	EA	5" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	3,075.15	354.79
23 05 16 00-0376	EA	6" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	3,333.68	351.08
23 05 16 00-0377	EA	8" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	4,296.00	447.00
23 05 16 00-0378	EA	10" x 12" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	5,680.37	544.17
23 05 16 00-0379	EA	12" x 12" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	6,503.80	413.47
23 05 16 00-0380	EA	14" x 12" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	7,485.11	777.39
23 05 16 00-0381	EA	16" x 12" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	9,151.88	855.13
23 05 16 00-0382	EA	18" x 12" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	10,151.98	948.42
23 05 16 00-0383	EA	20" x 12" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	11,919.19	1,068.91
23 05 16 00-0384	EA	24" x 14" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	15,625.22	1,311.85
23 05 16 00-0385	EA	30" x 14" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	26,169.29	2,137.82

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 16 Expansion Fittings and Loops for HVAC Piping**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 05 16 00-0386	EA	36" x 14" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	32,887.30	2,850.43
23 05 16 00-0387	EA	42" x 16" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	43,127.74	4,275.65
23 05 16 00-0388	EA	48" x 16" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	50,479.12	5,344.56
23 05 16 00-0389	EA	60" x 16" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	66,952.89	7,696.16

**23 05 16 00-0390 Teflon Lined Expansion Joints (Mercer 701)** (23 05 16 00-0284)

Note: Natural rubber, neoprene, butyl, ethylene propylene diene monomer (EPDM) Or nitrile. Includes baked enamel coated ductile iron backer rings. Series 701.

23 05 16 00-0391	EA	1-1/2" Teflon Lined Expansion Joint (Mercer 701)	834.62	81.32
		<i>For Hypalon Tube And Cover, Add</i>	13.44	
		<i>For Viton Tube And Cover, Add</i>	672.01	
23 05 16 00-0392	EA	2" Teflon Lined Expansion Joint (Mercer 701)	971.96	84.14
		<i>For Hypalon Tube And Cover, Add</i>	16.07	
		<i>For Viton Tube And Cover, Add</i>	803.60	
23 05 16 00-0393	EA	2-1/2" Teflon Lined Expansion Joint (Mercer 701)	1,107.23	91.92
		<i>For Hypalon Tube And Cover, Add</i>	18.47	
		<i>For Viton Tube And Cover, Add</i>	923.43	
23 05 16 00-0394	EA	3" Teflon Lined Expansion Joint (Mercer 701)	1,389.55	182.50
		<i>For Hypalon Tube And Cover, Add</i>	20.49	
		<i>For Viton Tube And Cover, Add</i>	1,024.47	
23 05 16 00-0395	EA	4" Teflon Lined Expansion Joint (Mercer 701)	1,708.52	233.93
		<i>For Hypalon Tube And Cover, Add</i>	24.81	
		<i>For Viton Tube And Cover, Add</i>	1,240.64	
23 05 16 00-0396	EA	5" Teflon Lined Expansion Joint (Mercer 701)	2,025.19	254.77
		<i>For Hypalon Tube And Cover, Add</i>	30.31	
		<i>For Viton Tube And Cover, Add</i>	1,515.56	
23 05 16 00-0397	EA	6" Teflon Lined Expansion Joint (Mercer 701)	2,125.96	242.93
		<i>For Hypalon Tube And Cover, Add</i>	32.80	
		<i>For Viton Tube And Cover, Add</i>	1,640.09	
23 05 16 00-0398	EA	8" Teflon Lined Expansion Joint (Mercer 701)	2,547.38	277.43
		<i>For Hypalon Tube And Cover, Add</i>	39.85	
		<i>For Viton Tube And Cover, Add</i>	1,992.55	
23 05 16 00-0399	EA	10" Teflon Lined Expansion Joint (Mercer 701)	3,205.13	330.20
		<i>For Hypalon Tube And Cover, Add</i>	50.89	
		<i>For Viton Tube And Cover, Add</i>	2,544.73	
23 05 16 00-0400	EA	12" Teflon Lined Expansion Joint (Mercer 701)	4,095.94	413.77
		<i>For Hypalon Tube And Cover, Add</i>	65.37	
		<i>For Viton Tube And Cover, Add</i>	3,268.43	
23 05 16 00-0401	EA	14" Teflon Lined Expansion Joint (Mercer 701)	4,589.89	419.89
		<i>For Hypalon Tube And Cover, Add</i>	75.00	
		<i>For Viton Tube And Cover, Add</i>	3,750.12	
23 05 16 00-0402	EA	16" Teflon Lined Expansion Joint (Mercer 701)	5,698.90	523.28
		<i>For Hypalon Tube And Cover, Add</i>	93.05	
		<i>For Viton Tube And Cover, Add</i>	4,652.41	
23 05 16 00-0403	EA	18" Teflon Lined Expansion Joint (Mercer 701)	6,351.48	594.61
		<i>For Hypalon Tube And Cover, Add</i>	103.25	
		<i>For Viton Tube And Cover, Add</i>	5,162.29	
23 05 16 00-0404	EA	20" Teflon Lined Expansion Joint (Mercer 701)	7,426.53	666.90
		<i>For Hypalon Tube And Cover, Add</i>	121.86	
		<i>For Viton Tube And Cover, Add</i>	6,092.77	
23 05 16 00-0405	EA	24" Teflon Lined Expansion Joint (Mercer 701)	9,693.10	821.51
		<i>For Hypalon Tube And Cover, Add</i>	161.00	
		<i>For Viton Tube And Cover, Add</i>	8,050.07	

**23 05 16 00-0406 Accessories For Mercer Rubber, Series 451 And 501** (23 05 16 00-0091)**23 05 16 00-0407 Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints** (23 05 16 00-0406)

23 05 16 00-0408	EA	1-1/2" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	35.72	
23 05 16 00-0409	EA	2" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	45.11	
23 05 16 00-0410	EA	2-1/2" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	50.75	
23 05 16 00-0411	EA	3" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	54.51	
23 05 16 00-0412	EA	4" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	80.83	
23 05 16 00-0413	EA	5" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	99.63	
23 05 16 00-0414	EA	6" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	109.03	
23 05 16 00-0415	EA	8" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	120.30	
23 05 16 00-0416	EA	10" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	154.14	
23 05 16 00-0417	EA	12" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	182.34	
23 05 16 00-0418	EA	14" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	244.37	
23 05 16 00-0419	EA	16" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	263.17	
23 05 16 00-0420	EA	18" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	281.96	
23 05 16 00-0421	EA	20" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	310.16	
23 05 16 00-0422	EA	24" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	385.35	
23 05 16 00-0423	EA	30" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	479.34	
23 05 16 00-0424	EA	36" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	582.73	
23 05 16 00-0425	EA	42" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	827.09	
23 05 16 00-0426	EA	48" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	986.87	

**23 05 16 00-0427 Control Rods For Mercer 451 And 501 Expansion Joints** (23 05 16 00-0406)

23 05 16 00-0428	SET	1-1/2" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2	74.68	
23 05 16 00-0429	SET	2" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2	94.45	
23 05 16 00-0430	SET	2-1/2" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2	109.82	
23 05 16 00-0431	SET	3" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2	131.79	
23 05 16 00-0432	SET	4" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2	131.79	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 05 16 00-0433	SET		5" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2.....	142.77	
23 05 16 00-0434	SET		6" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2.....	164.74	
23 05 16 00-0435	SET		8" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2.....	241.61	
23 05 16 00-0436	SET		10" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 3.....	472.24	
23 05 16 00-0437	SET		12" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 3.....	647.96	
23 05 16 00-0438	SET		14" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 4.....	966.45	
23 05 16 00-0439	SET		16" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 4.....	1,087.26	
23 05 16 00-0440	SET		18" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 5.....	1,449.68	
23 05 16 00-0441	SET		20" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 5.....	1,548.52	
23 05 16 00-0442	SET		24" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 5.....	1,746.20	
23 05 16 00-0443	SET		30" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 5.....	2,558.90	
23 05 16 00-0444	SET		36" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 5.....	3,766.96	
23 05 16 00-0445	SET		42" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 3.....	2,547.92	
23 05 16 00-0446	SET		48" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 4.....	3,349.63	
23 05 16 00-0447	SET		60" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 4.....	5,227.62	

**23 05 17 Sleeves and Sleeve Seals for HVAC Piping (23 05)**

**23 05 17 00-0001 Wall Seals And Sleeves (23 05 17)**  
Note: Up to 12" walls. Excludes drilling hole.

**23 05 17 00-0002 Ductile Iron Wall Sleeve (23 05 17 00-0001)**  
Note: Includes rubber gasket seal.

23 05 17 00-0003	EA		3" Ductile Iron Wall Sleeve With Rubber Gasket Seal.....	113.20	48.05
23 05 17 00-0004	EA		4" Ductile Iron Wall Sleeve With Rubber Gasket Seal.....	138.13	56.13
23 05 17 00-0005	EA		6" Ductile Iron Wall Sleeve With Rubber Gasket Seal.....	168.27	67.34
23 05 17 00-0006	EA		8" Ductile Iron Wall Sleeve With Rubber Gasket Seal.....	241.52	100.95
23 05 17 00-0007	EA		10" Ductile Iron Wall Sleeve With Rubber Gasket Seal.....	312.90	134.57
23 05 17 00-0008	EA		12" Ductile Iron Wall Sleeve With Rubber Gasket Seal.....	386.85	168.29

**23 05 17 00-0009 Steel Pipe Sleeves (23 05 17 00-0001)**  
Note: Includes link seals 12" length.

23 05 17 00-0010	EA		2" Steel Pipe Sleeve With Link Seals.....	132.36	48.72
23 05 17 00-0011	EA		2-1/2" Steel Pipe Sleeve With Link Seals.....	162.74	52.81
23 05 17 00-0012	EA		3" Steel Pipe Sleeve With Link Seals.....	191.74	56.91
23 05 17 00-0013	EA		4" Steel Pipe Sleeve With Link Seals.....	236.60	68.27
23 05 17 00-0014	EA		6" Steel Pipe Sleeve With Link Seals.....	341.36	85.26
23 05 17 00-0015	EA		10" Steel Pipe Sleeve With Link Seals.....	591.16	102.35
23 05 17 00-0016	EA		13-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals.....	693.62	127.94
23 05 17 00-0017	EA		17-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals.....	919.65	157.42
23 05 17 00-0018	EA		23-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals.....	1,249.95	204.71
23 05 17 00-0019	EA		29-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals.....	1,381.68	255.89

**23 05 19 Meters and Gages for HVAC Piping (23 05)**

See CSI section 33 19 00 00-0000 for water utility service metering.

**23 05 19 00-0001 Thermometers (23 05 19)**

**23 05 19 00-0002 Dial Type, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometers (23 05 19 00-0001)**  
Note: Various ranges.

23 05 19 00-0003	EA		2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer.....	106.94	35.10
23 05 19 00-0004	EA		2-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer.....	125.30	35.10
23 05 19 00-0005	EA		3-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer.....	125.30	35.10

**23 05 19 00-0006 Liquid Filled Industrial Union Connection Type Thermometers (23 05 19 00-0001)**  
Note: Various ranges.

23 05 19 00-0007	EA		7" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer.....	143.66	35.10
23 05 19 00-0008	EA		9" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer.....	143.66	35.10
23 05 19 00-0009	EA		12" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer.....	182.06	35.10
23 05 19 00-0010	EA		7" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer.....	148.67	35.10
23 05 19 00-0011	EA		9" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer.....	157.02	35.10
23 05 19 00-0012	EA		12" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer.....	187.07	35.10

**23 05 19 00-0013 Liquid Filled Industrial Separable Socket Type Thermometers (23 05 19 00-0001)**  
Note: Various ranges. Socket connection for thermowell.

23 05 19 00-0014	EA		7" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer.....	143.66	35.10
23 05 19 00-0015	EA		9" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer.....	143.66	35.10
23 05 19 00-0016	EA		12" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer.....	182.06	35.10
23 05 19 00-0017	EA		7" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer.....	165.37	35.10
23 05 19 00-0018	EA		9" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer.....	182.06	35.10
23 05 19 00-0019	EA		12" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer.....	186.32	35.10

**23 05 19 00-0020 1" NPT, 304 Stainless Steel Thermowells (23 05 19 00-0001)**

23 05 19 00-0021	EA		4" Long, 1" NPT, 304 Stainless Steel Thermowell.....	162.64	65.80
23 05 19 00-0022	EA		8" Long, 1" NPT, 304 Stainless Steel Thermowell.....	162.57	65.80

**23 05 19 00-0023 Pressure Gauges (23 05 19)**

**23 05 19 00-0024 Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges (23 05 19 00-0023)**

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 19 Meters and Gages for HVAC Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0025	EA		2" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	38.10	13.70
23 05 19 00-0026	EA		4" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	47.95	13.70
<b>23 05 19 00-0027</b>			<b>Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges</b> <small>(23 05 19 00-0023)</small>		
23 05 19 00-0028	EA		3-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	195.78	13.70
23 05 19 00-0029	EA		4-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	195.78	13.70
23 05 19 00-0030	EA		6" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	252.96	13.70
23 05 19 00-0031	EA		8-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	589.69	13.70
<b>23 05 19 00-0032</b>			<b>Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges</b> <small>(23 05 19 00-0023)</small>		
			Note: Liquid filled.		
23 05 19 00-0033	EA		2-1/2" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	122.24	13.70
23 05 19 00-0034	EA		4" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	273.87	13.70
<b>23 05 19 00-0035</b>			<b>Steel Case, 0 To 10K PSI High Pressure, Pressure Gauges</b> <small>(23 05 19 00-0023)</small>		
23 05 19 00-0036	EA		4-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge.....	326.25	13.70
23 05 19 00-0037	EA		6-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge.....	326.25	13.70
23 05 19 00-0038	EA		8-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge.....	326.25	13.70
<b>23 05 19 00-0039</b>			<b>Gauge Accessories</b> <small>(23 05 19 00-0023)</small>		
23 05 19 00-0040	EA		Pete's Plug (Valve Cock For Removable Pressure Gauge Or Thermometer).....	84.08	10.96
23 05 19 00-0041	EA		1/4" Snubber Valve.....	52.06	10.96
23 05 19 00-0042	EA		1/4" Female Pipe Thread, Brass Gauge Cock.....	32.81	16.45
23 05 19 00-0043	EA		1/4" Male Pipe Thread, Brass Gauge Cock.....	28.34	16.45
23 05 19 00-0044	EA		1/4" Pressure Pigtail Steam Siphon.....	29.96	16.45
23 05 19 00-0045	EA		1/4" x 3" Long Black Steel Nipple.....	6.39	5.48
23 05 19 00-0046	EA		1/4" Steel Thread-O-Let.....	70.09	27.42
23 05 19 00-0047	EA		1/4", 300 LB, Black Steel Union.....	72.12	10.96
23 05 19 00-0048	EA		1/4" Black Steel Coupling.....	23.80	10.96
23 05 19 00-0049	EA		1/4", 300 LB, Black Steel Plug.....	13.59	6.58
23 05 19 00-0050	EA		1/4", 150 LB, Black Steel Cap.....	14.21	6.58
23 05 19 00-0051	LF		1/4" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	7.56	3.62
23 05 19 00-0052	LF		1/4" Schedule 80, Plain End, Black Steel Pipe.....	7.06	3.62
23 05 19 00-0053	LF		1/4" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe.....	7.72	
23 05 19 00-0054	EA		1/4" Threaded, 800 LB, Forged Steel, Ball Valve.....	102.90	
<b>23 05 19 00-0055</b>			<b>Valve Lock Covers</b> <small>(23 05 19)</small>		
23 05 19 00-0056	EA		Valve Lock Cover.....	75.01	16.78
<b>23 05 19 00-0057</b>			<b>Venturi Flowmeters</b> <small>(23 05 19)</small>		
<b>23 05 19 00-0058</b>			<b>Threaded, Brass, Venturi Flowmeters</b> <small>(23 05 19 00-0057)</small>		
23 05 19 00-0059	EA		3/4" Threaded, Brass, Venturi Flowmeter.....	278.85	74.58
			For Portable Venturi Flow Meter, Add.....	995.00	
23 05 19 00-0060	EA		1" Threaded, Brass, Venturi Flowmeter.....	308.33	89.49
			For Portable Venturi Flow Meter, Add.....	995.00	
23 05 19 00-0061	EA		1-1/4" Threaded, Brass, Venturi Flowmeter.....	340.10	99.47
			For Portable Venturi Flow Meter, Add.....	995.00	
23 05 19 00-0062	EA		1-1/2" Threaded, Brass, Venturi Flowmeter.....	383.31	111.87
			For Portable Venturi Flow Meter, Add.....	995.00	
23 05 19 00-0063	EA		2" Threaded, Brass, Venturi Flowmeter.....	456.06	127.88
			For Portable Venturi Flow Meter, Add.....	995.00	
23 05 19 00-0064	EA		2-1/2" Threaded, Brass, Venturi Flowmeter.....	619.77	173.06
			For Portable Venturi Flow Meter, Add.....	995.00	
<b>23 05 19 00-0065</b>			<b>Butt Weld, Carbon Steel, Venturi Flowmeters</b> <small>(23 05 19 00-0057)</small>		
23 05 19 00-0066	EA		3" Butt Weld, Carbon Steel, Venturi Flowmeter.....	969.26	153.53
			For Portable Venturi Flow Meter, Add.....	995.00	
			For Flanged Ends, Add.....	231.77	
23 05 19 00-0067	EA		4" Butt Weld, Carbon Steel, Venturi Flowmeter.....	1,317.62	184.23
			For Portable Venturi Flow Meter, Add.....	995.00	
			For Flanged Ends, Add.....	332.20	
23 05 19 00-0068	EA		5" Butt Weld, Carbon Steel, Venturi Flowmeter.....	1,718.77	230.29
			For Portable Venturi Flow Meter, Add.....	995.00	
			For Flanged Ends, Add.....	440.36	
23 05 19 00-0069	EA		6" Butt Weld, Carbon Steel, Venturi Flowmeter.....	2,070.95	307.06
			For Portable Venturi Flow Meter, Add.....	995.00	
			For Flanged Ends, Add.....	509.89	
23 05 19 00-0070	EA		8" Butt Weld, Carbon Steel, Venturi Flowmeter.....	2,966.34	368.47
			For Portable Venturi Flow Meter, Add.....	995.00	
			For Flanged Ends, Add.....	780.29	
23 05 19 00-0071	EA		10" Butt Weld, Carbon Steel, Venturi Flowmeter.....	4,739.85	460.59
			For Portable Venturi Flow Meter, Add.....	995.00	
			For Flanged Ends, Add.....	1,336.53	
23 05 19 00-0072	EA		12" Butt Weld, Carbon Steel, Venturi Flowmeter.....	7,066.30	641.55
			For Portable Venturi Flow Meter, Add.....	995.00	
			For Flanged Ends, Add.....	2,024.12	

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
23 05 19 00-0073	EA	14" Butt Weld, Carbon Steel, Venturi Flowmeter <i>For Portable Venturi Flow Meter, Add For Flanged Ends, Add</i>	9,959.32 995.00 2,812.13	962.32
23 05 19 00-0074	EA	16" Butt Weld, Carbon Steel, Venturi Flowmeter <i>For Portable Venturi Flow Meter, Add For Flanged Ends, Add</i>	14,609.90 995.00 4,364.99	1,069.25
<b>23 05 19 00-0075</b>		<b>Turbine Flowmeter <small>(23 05 19)</small></b>		
23 05 19 00-0076	EA	Saddle Mount Turbine Flowmeter	665.08	82.25
<b>23 05 19 00-0077</b>		<b>Sight Flow Indicator <small>(23 05 19)</small></b>		
<b>23 05 19 00-0078</b>		<b>Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator <small>(23 05 19 00-0077)</small></b>		
23 05 19 00-0079	EA	1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	143.71	15.97
23 05 19 00-0080	EA	3/8" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	150.12	16.80
23 05 19 00-0081	EA	1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	162.31	17.65
23 05 19 00-0082	EA	3/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	182.18	23.79
23 05 19 00-0083	EA	1" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	217.80	28.83
23 05 19 00-0084	EA	1-1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	247.40	36.50
23 05 19 00-0085	EA	1-1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	349.59	42.20
23 05 19 00-0086	EA	2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	387.65	49.88
<b>23 05 19 00-0087</b>		<b>Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator <small>(23 05 19 00-0077)</small></b>		
23 05 19 00-0088	EA	1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	186.34	15.97
23 05 19 00-0089	EA	3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	191.81	16.80
23 05 19 00-0090	EA	1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	206.84	17.65
23 05 19 00-0091	EA	3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	220.08	23.79
23 05 19 00-0092	EA	1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	233.91	28.83
23 05 19 00-0093	EA	1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	254.03	36.50
23 05 19 00-0094	EA	1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	478.43	42.20
23 05 19 00-0095	EA	2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	512.70	49.88
<b>23 05 19 00-0096</b>		<b>Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator <small>(23 05 19 00-0077)</small></b>		
23 05 19 00-0097	EA	1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	268.76	15.97
23 05 19 00-0098	EA	3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	283.70	16.80
23 05 19 00-0099	EA	1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	308.21	17.65
23 05 19 00-0100	EA	3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	335.65	23.79
23 05 19 00-0101	EA	1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	385.48	28.83
23 05 19 00-0102	EA	1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	408.45	36.50
23 05 19 00-0103	EA	1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	819.47	42.20
23 05 19 00-0104	EA	2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	863.22	49.88
<b>23 05 19 00-0105</b>		<b>Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicators <small>(23 05 19 00-0077)</small></b>		
23 05 19 00-0106	EA	1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	183.50	15.97
23 05 19 00-0107	EA	3/8" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	190.86	16.80
23 05 19 00-0108	EA	1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	202.10	17.65
23 05 19 00-0109	EA	3/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	219.13	23.79
23 05 19 00-0110	EA	1" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	232.96	28.83
23 05 19 00-0111	EA	1-1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	254.03	36.50
23 05 19 00-0112	EA	1-1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	472.74	42.20
23 05 19 00-0113	EA	2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	505.13	49.88

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0114			<b>Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicators <sup>(23 05 19 00-0077)</sup></b>		
23 05 19 00-0115	EA		1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	266.86	15.97
23 05 19 00-0116	EA		3/8" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	287.49	16.80
23 05 19 00-0117	EA		1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	313.89	17.65
23 05 19 00-0118	EA		3/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	335.65	23.79
23 05 19 00-0119	EA		1" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	385.48	28.83
23 05 19 00-0120	EA		1-1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	412.24	36.50
23 05 19 00-0121	EA		1-1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	819.47	42.20
23 05 19 00-0122	EA		2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	863.22	49.88
23 05 19 00-0123			<b>Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicators <sup>(23 05 19 00-0077)</sup></b>		
23 05 19 00-0124	EA		1" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	393.06	28.83
23 05 19 00-0125	EA		1-1/4" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	442.56	36.50
23 05 19 00-0126	EA		1-1/2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	503.06	42.20
23 05 19 00-0127	EA		2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	565.76	49.88
23 05 19 00-0128			<b>Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicators <sup>(23 05 19 00-0077)</sup></b>		
23 05 19 00-0129	EA		1-1/2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	866.59	115.10
23 05 19 00-0130	EA		2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	969.48	146.13
23 05 19 00-0131	EA		3" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	1,424.09	171.63
23 05 19 00-0132	EA		4" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	2,151.52	287.72
23 05 19 00-0133	EA		6" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	3,464.31	341.60
23 05 19 00-0134			<b>Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicators <sup>(23 05 19 00-0077)</sup></b>		
23 05 19 00-0135	EA		1" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	664.25	82.21
23 05 19 00-0136	EA		1-1/4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	784.20	95.92
23 05 19 00-0137	EA		1-1/2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	847.17	115.10
23 05 19 00-0138	EA		2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,061.85	146.13
23 05 19 00-0139	EA		3" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,537.30	171.63
23 05 19 00-0140	EA		4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	2,274.20	287.72
23 05 19 00-0141			<b>Flowmeters <sup>(23 05 19)</sup></b>		
23 05 19 00-0142			<b>Polyvinyl Chloride (PVC) Turbine Flowmeters <sup>(23 05 19 00-0141)</sup></b>		
23 05 19 00-0143	EA		2", Sensor Signal Only, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP100)	1,555.27	188.52
23 05 19 00-0144	EA		3", Sensor Signal Only, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP100)	1,828.47	201.03
23 05 19 00-0145	EA		4", Sensor Signal Only, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP100)	2,093.28	209.47
23 05 19 00-0146	EA		6", Sensor Signal Only, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP100)	2,601.38	215.40
23 05 19 00-0147	EA		2", Flanged, Sensor Signal Only, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP100)	1,485.11	146.19
23 05 19 00-0148	EA		3", Flanged, Sensor Signal Only, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP100)	1,845.73	186.45
23 05 19 00-0149	EA		4", Flanged, Sensor Signal Only, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP100)	2,314.15	312.56
23 05 19 00-0150	EA		6", Flanged, Sensor Signal Only, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP100)	3,037.91	394.82
23 05 19 00-0151	EA		2", Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP101)	2,510.31	188.52
			For Analog Output, Add	75.00	
23 05 19 00-0152	EA		3", Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP101)	2,783.51	201.03
			For Analog Output, Add	75.00	
23 05 19 00-0153	EA		4", Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP101)	3,048.32	209.47
			For Analog Output, Add	75.00	
23 05 19 00-0154	EA		6", Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP101)	3,556.42	215.40
			For Analog Output, Add	75.00	
23 05 19 00-0155	EA		2", Flanged, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametric WTP101)	2,440.14	146.19
			For Analog Output, Add	75.00	
23 05 19 00-0156	EA		3", Flanged, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametric WTP101)	2,800.76	186.45
			For Analog Output, Add	75.00	
23 05 19 00-0157	EA		4", Flanged, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametric WTP101)	3,269.19	312.56
			For Analog Output, Add	75.00	
23 05 19 00-0158	EA		6", Flanged, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametric WTP101)	3,992.94	394.82
			For Analog Output, Add	75.00	
23 05 19 00-0159	EA		2", Blind 4-20mA DC, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP102)	2,262.25	188.52
23 05 19 00-0160	EA		3", Blind 4-20mA DC, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP102)	2,535.45	201.03
23 05 19 00-0161	EA		4", Blind 4-20mA DC, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP102)	2,800.26	209.47
23 05 19 00-0162	EA		6", Blind 4-20mA DC, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP102)	3,308.36	215.40
23 05 19 00-0163	EA		2", Blind 4-20mA DC, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP102)	2,386.28	188.63
23 05 19 00-0164	EA		3", Blind 4-20mA DC, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP102)	2,721.49	201.25
23 05 19 00-0165	EA		4", Blind 4-20mA DC, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP102)	3,048.32	209.47
23 05 19 00-0166	EA		6", Blind 4-20mA DC, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP102)	3,680.45	215.51
23 05 19 00-0167	EA		2", Battery, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP104)	2,733.56	188.52
23 05 19 00-0168	EA		3", Battery, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP104)	3,006.76	201.03
23 05 19 00-0169	EA		4", Battery, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP104)	3,271.57	209.47
23 05 19 00-0170	EA		6", Battery, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP104)	3,779.67	215.40
23 05 19 00-0171	EA		2", Flanged, Battery, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP104)	2,683.39	146.19
23 05 19 00-0172	EA		3", Flanged, Battery, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP104)	3,024.02	186.45
23 05 19 00-0173	EA		4", Flanged, Battery, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP104)	3,492.44	312.56
23 05 19 00-0174	EA		6", Flanged, Battery, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP104)	4,216.19	394.82



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 05 19 00-0175			<b>Flanged, Main Line Flowmeters</b> (23 05 19 00-0141) Note: Six digit totalizer with rate indicator. AWWA Standard #C704-70.		
23 05 19 00-0176			<b>150 LB, Flanged, Main Line Flow Meters</b> (23 05 19 00-0175)		
23 05 19 00-0177	EA		2" x 14" Long, 150 LB, Flanged, Main Line Flow Meter ..... For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	2,511.06 165.00	146.19
23 05 19 00-0178	EA		2-1/2" x 16" Long, 150 LB, Flanged, Main Line Flow Meter ..... For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	2,527.67 165.00	159.52
23 05 19 00-0179	EA		3" x 16" Long, 150 LB, Flanged, Main Line Flow Meter ..... For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	2,561.61 165.00	186.68
23 05 19 00-0180	EA		4" x 20" Long, 150 LB, Flanged, Main Line Flow Meter ..... For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	3,153.76 165.00	313.35
23 05 19 00-0181	EA		6" x 22" Long, 150 LB, Flanged, Main Line Flow Meter ..... For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	3,696.66 165.00	394.82
23 05 19 00-0182	EA		8" x 24" Long, 150 LB, Flanged, Main Line Flow Meter ..... For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	4,454.06 165.00	504.49
23 05 19 00-0183	EA		10" x 26" Long, 150 LB, Flanged, Main Line Flow Meter ..... For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	5,522.16 165.00	602.44
23 05 19 00-0184	EA		12" x 28" Long, 150 LB, Flanged, Main Line Flow Meter ..... For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	6,371.04 165.00	731.54
23 05 19 00-0185	EA		14" x 42" Long, 150 LB, Flanged, Main Line Flow Meter ..... For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	7,769.57 165.00	860.63
23 05 19 00-0186	EA		16" x 48" Long, 150 LB, Flanged, Main Line Flow Meter ..... For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	8,783.19 165.00	946.69
23 05 19 00-0187	EA		18" x 54" Long, 150 LB, Flanged, Main Line Flow Meter ..... For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	9,826.57 165.00	1,049.97
23 05 19 00-0188	EA		20" x 60" Long, 150 LB, Flanged, Main Line Flow Meter ..... For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	11,300.23 165.00	1,183.37
23 05 19 00-0189	EA		24" x 60" Long, 150 LB, Flanged, Main Line Flow Meter ..... For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	14,983.30 165.00	1,452.32
23 05 19 00-0190	EA		30" x 60" Long, 150 LB, Flanged, Main Line Flow Meter ..... For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	19,344.16 165.00	2,366.74
23 05 19 00-0191	EA		36" x 60" Long, 150 LB, Flanged, Main Line Flow Meter ..... For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	23,603.07 165.00	3,155.65
23 05 19 00-0192			<b>300 LB, Flanged, Main Line Flow Meters</b> (23 05 19 00-0175)		
23 05 19 00-0193	EA		2" x 20" Long, 300 LB, Flanged, Main Line Flow Meter ..... For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	2,835.04 165.00	146.23
23 05 19 00-0194	EA		2-1/2" x 20" Long, 300 LB, Flanged, Main Line Flow Meter ..... For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	2,851.65 165.00	159.52
23 05 19 00-0195	EA		3" x 20" Long, 300 LB, Flanged, Main Line Flow Meter ..... For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	2,885.59 165.00	186.68
23 05 19 00-0196	EA		4" x 24" Long, 300 LB, Flanged, Main Line Flow Meter ..... For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	3,403.61 165.00	312.56
23 05 19 00-0197	EA		6" x 26" Long, 300 LB, Flanged, Main Line Flow Meter ..... For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	4,124.97 165.00	394.82
23 05 19 00-0198	EA		8" x 28" Long, 300 LB, Flanged, Main Line Flow Meter ..... For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	5,148.69 165.00	504.49
23 05 19 00-0199	EA		10" x 30" Long, 300 LB, Flanged, Main Line Flow Meter ..... For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	6,883.97 165.00	602.44
23 05 19 00-0200	EA		12" x 32" Long, 300 LB, Flanged, Main Line Flow Meter ..... For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	8,693.82 165.00	731.54
23 05 19 00-0201	EA		14" x 42" Long, 300 LB, Flanged, Main Line Flow Meter ..... For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	10,399.86 165.00	860.63
23 05 19 00-0202	EA		16" x 48" Long, 300 LB, Flanged, Main Line Flow Meter ..... For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	11,940.63 165.00	946.69
23 05 19 00-0203			<b>Adjustable, Insertion Turbine Flowmeters</b> (23 05 19 00-0141)		
23 05 19 00-0204	EA		For 1-1/2" To 3" Pipe, Probe Assembly With Display, Adjustable, Insertion Turbine Flowmeter .....	2,155.00	109.67
23 05 19 00-0205	EA		For 1-1/2" To 10" Pipe, Probe Assembly With Display, Adjustable, Insertion Turbine Flowmeter .....	2,209.91	109.67
23 05 19 00-0206	EA		For 1-1/2" To 3" Pipe, Probe Assembly With 4-20mA Transmitter, Adjustable, Insertion Turbine Flowmeter .....	1,770.76	219.35
23 05 19 00-0207	EA		For 1-1/2" To 10" Pipe, Probe Assembly With 4-20mA Transmitter, Adjustable, Insertion Turbine Flowmeter .....	1,935.35	109.67
23 05 19 00-0208	EA		For 1-1/2" To 3" Pipe, Probe Assembly With Display And 4-20mA Transmitter, Adjustable, Insertion Turbine Flowmeter.....	2,539.38	109.67
23 05 19 00-0209	EA		For 1-1/2" To 10" Pipe, Probe Assembly With Display And 4-20mA Transmitter, Adjustable, Insertion Turbine Flowmeter.....	2,594.29	109.67
23 05 19 00-0210			<b>Epoxy Coated Cast Iron High-Volume Turbine Meters</b> (23 05 19 00-0141) Note: AWWA C-701, Class II.		
23 05 19 00-0211			<b>Meters With Mechanical Display</b> (23 05 19 00-0210)		
23 05 19 00-0212	EA		2", 4.4 To 175 GPM Mechanical Display, Epoxy Coated Cast Iron High-Volume Turbine Meter (Master Meter) .....	1,991.40	188.63
23 05 19 00-0213	EA		3", 6 To 330 GPM Mechanical Display, Epoxy Coated Cast Iron High-Volume Turbine Meter (Master Meter) .....	2,431.13	201.25
23 05 19 00-0214	EA		4", 9 To 440 GPM Mechanical Display, Epoxy Coated Cast Iron High-Volume Turbine Meter (Master Meter) .....	3,046.42	209.47
23 05 19 00-0215	EA		6", 35 To 1,150 GPM Mechanical Display, Epoxy Coated Cast Iron High-Volume Turbine Meter (Master Meter) .....	4,274.70	215.51
23 05 19 00-0216	EA		8", 37 To 2,000 GPM Mechanical Display, Epoxy Coated Cast Iron High-Volume Turbine Meter (Master Meter) .....	5,979.09	233.05
23 05 19 00-0217			<b>Electrical Output, Epoxy Coated Cast Iron High-Volume Turbine Meters</b> (23 05 19 00-0210)		
23 05 19 00-0218	EA		2", Electrical Output, Epoxy Coated Cast Iron High-Volume Turbine Meter .....	2,194.58	188.63
23 05 19 00-0219	EA		3", Electrical Output, Epoxy Coated Cast Iron High-Volume Turbine Meter .....	2,639.79	201.25
23 05 19 00-0220	EA		4", Electrical Output, Epoxy Coated Cast Iron High-Volume Turbine Meter .....	3,282.54	209.47
23 05 19 00-0221	EA		6", Electrical Output, Epoxy Coated Cast Iron High-Volume Turbine Meter .....	4,488.86	215.51
23 05 19 00-0222	EA		8", Electrical Output, Epoxy Coated Cast Iron High-Volume Turbine Meter .....	6,179.52	233.05

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 19 Meters and Gages for HVAC Piping**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 05 19 00-0223		<b>Bronze High-Volume Turbine Meters</b> (23 05 19 00-0141) Note: AWWA C-701, Class II.		
23 05 19 00-0224		<b>Mechanical Display, Bronze High-Volume Turbine Meters</b> (23 05 19 00-0223)		
23 05 19 00-0225	EA	1-1/2", 3 To 160 GPM Mechanical Display, Bronze High-Volume Turbine Meter (Master Meter) .....	1,536.96	164.51
23 05 19 00-0226	EA	2", 4 To 350 GPM Mechanical Display, Bronze High-Volume Turbine Meter (Master Meter) .....	1,771.75	188.63
23 05 19 00-0227	EA	3", 5 To 530 GPM Mechanical Display, Bronze High-Volume Turbine Meter (Master Meter) .....	2,615.08	201.25
23 05 19 00-0228	EA	4", 9 To 1,350 GPM Mechanical Display, Bronze High-Volume Turbine Meter (Master Meter) .....	3,801.46	209.47
23 05 19 00-0229	EA	6", 25 To 2,700 GPM Mechanical Display, Bronze High-Volume Turbine Meter (Master Meter) .....	6,745.74	215.51
23 05 19 00-0230		<b>Electrical Output, Bronze High-Volume Turbine Meters</b> (23 05 19 00-0223)		
23 05 19 00-0231	EA	1-1/2", 3 To 160 GPM Electrical Output, Bronze High-Volume Turbine Meter .....	1,745.63	164.51
23 05 19 00-0232	EA	2", 4 To 350 GPM Electrical Output, Bronze High-Volume Turbine Meter .....	1,983.17	188.63
23 05 19 00-0233	EA	3", 5 To 530 GPM Electrical Output, Bronze High-Volume Turbine Meter .....	2,823.75	201.25
23 05 19 00-0234	EA	4", 9 To 1,350 GPM Electrical Output, Bronze High-Volume Turbine Meter .....	4,010.12	209.47
23 05 19 00-0235	EA	6", 25 To 2,700 GPM Electrical Output, Bronze High-Volume Turbine Meter .....	7,124.63	215.51
23 05 19 00-0236		<b>Multi-Jet Meters</b> (23 05 19 00-0141)		
23 05 19 00-0237		<b>Hostile Environment Multi-Jet Meters</b> (23 05 19 00-0236) Note: Wetted materials are Viton, PP, 316 stainless steel and electroless-nickel plated bronze. AWWA C-708, Class II.		
23 05 19 00-0238	EA	1/2", 1 To 20 GPM Hostile Environment Multi-Jet Meter (Master Meter) .....	914.18	34.54
23 05 19 00-0239	EA	3/4", 1 To 30 GPM Hostile Environment Multi-Jet Meter (Master Meter) .....	1,071.57	45.52
23 05 19 00-0240	EA	1", 1 To 50 GPM Hostile Environment Multi-Jet Meter (Master Meter) .....	1,312.47	52.10
23 05 19 00-0241	EA	1-1/2", 5 To 100 GPM Hostile Environment Multi-Jet Meter (Master Meter) .....	2,185.31	68.54
23 05 19 00-0242	EA	2", 8 To 160 GPM Hostile Environment Multi-Jet Meter (Master Meter) .....	3,102.71	78.42
23 05 19 00-0243		<b>High-Pressure Multi-Jet Meters</b> (23 05 19 00-0236) Note: Wetted materials are bronze, glass-filled Noryl, PP and nylon. AWWA C-708, Class II.		
23 05 19 00-0244	EA	3/4", 1 To 30 GPM High-Pressure Multi-Jet Meter (Master Meter) .....	2,685.98	45.52
23 05 19 00-0245	EA	1", 1 To 50 GPM High-Pressure Multi-Jet Meter (Master Meter) .....	3,832.93	52.10
23 05 19 00-0246	EA	1-1/2", 5 To 100 GPM High-Pressure Multi-Jet Meter (Master Meter) .....	6,965.40	68.54
23 05 19 00-0247	EA	2", 8 To 160 GPM High-Pressure Multi-Jet Meter (Master Meter) .....	8,821.79	78.42
23 05 19 00-0248		<b>Flanged, 150 LB, 4-20 mA Output, Fabricated Steel Body, Main Propeller Meters</b> (23 05 19 00-0141)		
23 05 19 00-0249	EA	3", 45 To 250 GPM, Flanged, 150 LB, 4-20 mA Output, Fabricated Steel Body, Main Propeller Meter .....	3,345.11	369.33
23 05 19 00-0250	EA	4", 55 To 500 GPM, Flanged, 150 LB, 4-20 mA Output, Fabricated Steel Body, Main Propeller Meter .....	3,549.13	312.56
23 05 19 00-0251	EA	6", 120 To 1,200 GPM, Flanged, 150 LB, 4-20 mA Output, Fabricated Steel Body, Main Propeller Meter .....	3,927.29	394.82
23 05 19 00-0252	EA	8", 150 To 1,500 GPM, Flanged, 150 LB, 4-20 mA Output, Fabricated Steel Body, Main Propeller Meter .....	4,882.37	504.49
23 05 19 00-0253		<b>In-Line Flowmeters</b> (23 05 19 00-0141)		
23 05 19 00-0254		<b>Standard Flowmeter, Polyvinyl Chloride (PVC), Brass, 316 Stainless Steel, Viton</b> (23 05 19 00-0253)		
23 05 19 00-0255	EA	3/4" In Line Flowmeter .....	372.92	45.52
23 05 19 00-0256	EA	1" In Line Flowmeter .....	386.08	52.10
23 05 19 00-0257	EA	1-1/2" In Line Flowmeter .....	565.02	68.54
23 05 19 00-0258	EA	3/4" In Line Flowmeter With SPDP Switch .....	498.75	45.52
23 05 19 00-0259	EA	1" In Line Flowmeter With SPDP Switch .....	511.91	52.10
23 05 19 00-0260	EA	1-1/2" In Line Flowmeter With SPDP Switch .....	748.81	68.54
23 05 19 00-0261		<b>Water Flow Switches</b> (23 05 19)		
23 05 19 00-0262	EA	Flexible Paddle, Single Switch, Brass Body, Water Flow Switch (Taco IFS01BF-1) .....	248.55	32.33
23 05 19 00-0263	EA	Rigid Paddle, Single Switch, Brass Body, Water Flow Switch (Taco IFS01BR-1) .....	257.22	32.33
23 05 19 00-0264	EA	Flexible Paddle, Double Switch, Brass Body, Water Flow Switch (Taco IFS02BF-1) .....	330.49	32.33
23 05 19 00-0265	EA	Rigid Paddle, Double Switch, Brass Body, Water Flow Switch (Taco IFS02BR-1) .....	341.58	32.33
23 05 19 00-0266	EA	Flexible Paddle, High Current Single Switch, Brass Body, Water Flow Switch (Taco IFSH1BF-1) .....	268.32	32.33
23 05 19 00-0267	EA	Rigid Paddle, High Current Single Switch, Brass Body, Water Flow Switch (Taco IFSH1BR-1) .....	278.43	32.33
23 05 19 00-0268	EA	Flexible Paddle, High Current Double Switch, Brass Body, Water Flow Switch (Taco IFSH2BF-1) .....	350.26	32.33
23 05 19 00-0269	EA	Rigid Paddle, High Current Double Switch, Brass Body, Water Flow Switch (Taco IFSH2BR-1) .....	360.37	32.33
23 05 19 00-0270	EA	Flexible Paddle, Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS01SF-1) .....	686.17	32.33
23 05 19 00-0271	EA	Rigid Paddle, Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS01SR-1) .....	695.97	32.33
23 05 19 00-0272	EA	Flexible Paddle, Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS02SF-1) .....	789.11	32.33
23 05 19 00-0273	EA	Rigid Paddle, Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS02SR-1) .....	802.59	32.33
23 05 19 00-0274	EA	Flexible Paddle, High Current Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH1SF-1) .....	709.45	32.33
23 05 19 00-0275	EA	Rigid Paddle, High Current Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH1SR-1) .....	722.93	32.33
23 05 19 00-0276	EA	Flexible Paddle, High Current Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH2SF-1) .....	812.39	32.33
23 05 19 00-0277	EA	Rigid Paddle, High Current Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH2SR-1) .....	827.09	32.33
23 05 23		<b>General-Duty Valves For HVAC Piping</b> (23 05) Note: Flanged valves exclude bolt and gasket sets. See CSI section 23 21 13 23-0669 for bolt and gasket sets.		
23 05 23 00-0001		<b>Triple Duty Valves</b> (23 05 23) Note: Valves function as a shut-off, check valve and calibrated balancing valve.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 05 23 00-0002		<b>Straight Pattern, Triple Duty Valves</b> (23 05 23 00-0001)			
Note: Bell & Gossett 3DX and 3DS-S Series.					
23 05 23 00-0003	EA	1"	Threaded, Straight Pattern, Triple Duty Valve	303.53	11.51
23 05 23 00-0004	EA	1-1/4"	Threaded, Straight Pattern, Triple Duty Valve	351.35	14.58
23 05 23 00-0005	EA	1-1/2"	Threaded, Straight Pattern, Triple Duty Valve	381.19	16.88
23 05 23 00-0006	EA	2"	Flanged, Straight Pattern, Triple Duty Valve	989.89	146.13
23 05 23 00-0007	EA	2-1/2"	Flanged, Straight Pattern, Triple Duty Valve	1,115.98	146.38
23 05 23 00-0008	EA	3"	Flanged, Straight Pattern, Triple Duty Valve	1,221.45	171.63
23 05 23 00-0009	EA	4"	Flanged, Straight Pattern, Triple Duty Valve	2,503.75	287.72
23 05 23 00-0010	EA	5"	Flanged, Straight Pattern Triple Duty Valve	2,911.94	307.44
23 05 23 00-0011	EA	6"	Flanged, Straight Pattern, Triple Duty Valve	3,879.92	341.60
23 05 23 00-0012	EA	8"	Flanged, Straight Pattern, Triple Duty Valve	5,227.57	436.49
23 05 23 00-0013	EA	10"	Flanged, Straight Pattern, Triple Duty Valve	8,402.01	531.38

23 05 23 00-0014		<b>Flanged, Angle Pattern, Triple Duty Valves</b> (23 05 23 00-0001)			
Note: Bell & Gossett 3D-S Series.					
23 05 23 00-0015	EA	2"	Flanged, Angle Pattern, Triple Duty Valve	966.69	146.13
23 05 23 00-0016	EA	2-1/2"	Flanged, Angle Pattern, Triple Duty Valve	1,088.15	146.38
23 05 23 00-0017	EA	3"	Flanged, Angle Pattern, Triple Duty Valve	1,198.26	171.63
23 05 23 00-0018	EA	4"	Flanged, Angle Pattern, Triple Duty Valve	2,443.44	287.72
23 05 23 00-0019	EA	5"	Flanged, Angle Pattern, Triple Duty Valve	2,837.72	307.44
23 05 23 00-0020	EA	6"	Flanged, Angle Pattern, Triple Duty Valve	3,184.07	341.60
23 05 23 00-0021	EA	8"	Flanged, Angle Pattern, Triple Duty Valve	4,898.20	436.49
23 05 23 00-0022	EA	10"	Flanged, Angle Pattern, Triple Duty Valve	6,551.06	531.38

23 05 23 00-0023		<b>Balanced, Straight Pattern, Triple Duty Valves</b> (23 05 23 00-0001)			
Note: Bell & Gossett 3DS-B Series.					
23 05 23 00-0024	EA	3"	Flanged, Balanced, Straight Pattern, Triple Duty Valve	1,119.40	171.63
23 05 23 00-0025	EA	4"	Flanged, Balanced, Straight Pattern, Triple Duty Valve	2,234.69	287.72
23 05 23 00-0026	EA	5"	Flanged, Balanced, Straight Pattern, Triple Duty Valve	2,601.13	307.44
23 05 23 00-0027	EA	6"	Flanged, Balanced, Straight Pattern, Triple Duty Valve	3,457.77	341.60
23 05 23 00-0028	EA	8"	Flanged, Balanced, Straight Pattern, Triple Duty Valve	4,652.34	436.49
23 05 23 00-0029	EA	10"	Flanged, Balanced, Straight Pattern, Triple Duty Valve	7,441.74	531.38
23 05 23 00-0030	EA	12"	Flanged, Balanced, Straight Pattern, Triple Duty Valve	11,215.08	645.24
23 05 23 00-0031	EA	14"	Flanged, Balanced, Straight Pattern, Triple Duty Valve	13,633.54	759.10
23 05 23 00-0032	EA	16"	Flanged, Balanced, Straight Pattern, Triple Duty Valve	17,090.87	835.02

23 05 23 00-0033		<b>Grooved Straight Pattern, Triple Duty Valves</b> (23 05 23 00-0001)			
Note: Bell & Gossett 3DS-G Series.					
23 05 23 00-0034	EA	2"	Grooved, Straight Pattern, Triple Duty Valve	1,060.58	27.08
23 05 23 00-0035	EA	2-1/2"	Grooved, Straight Pattern, Triple Duty Valve	1,264.17	32.31
23 05 23 00-0036	EA	3"	Grooved, Straight Pattern, Triple Duty Valve	1,472.02	35.03
23 05 23 00-0037	EA	4"	Grooved, Straight Pattern, Triple Duty Valve	2,446.10	37.76
23 05 23 00-0038	EA	5"	Grooved, Straight Pattern, Triple Duty Valve	2,832.30	48.39
23 05 23 00-0039	EA	6"	Grooved, Straight Pattern Triple Duty Valve	3,776.32	62.06
23 05 23 00-0040	EA	8"	Grooved, Straight Pattern Triple Duty Valve	5,137.01	78.76
23 05 23 00-0041	EA	10"	Grooved, Straight Pattern Triple Duty Valve	8,111.86	88.24
23 05 23 00-0042	EA	12"	Grooved, Straight Pattern Triple Duty Valve	12,884.62	107.60

23 05 23 00-0043		<b>Plug Valves</b> (23 05 23)			
23 05 23 00-0044		<b>Plug Valves, Lubricated, Semisteel Screwed, Wrench Operated</b> (23 05 23 00-0043)			
Note: Includes wrench.					
23 05 23 00-0045	EA	1/2"	Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	283.87	10.96
23 05 23 00-0046	EA	3/4"	Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	296.16	12.06
23 05 23 00-0047	EA	1"	Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	374.67	13.70
23 05 23 00-0048	EA	1-1/4"	Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	448.38	14.58
23 05 23 00-0049	EA	1-1/2"	Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	492.59	16.88
23 05 23 00-0050	EA	2"	Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	581.45	19.95
23 05 23 00-0051	EA	2-1/2"	Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	872.51	26.96
23 05 23 00-0052	EA	3"	Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	1,068.18	31.29

23 05 23 00-0053		<b>Plug Valves, Lubricated, Semisteel Flanged</b> (23 05 23 00-0043)			
Note: Wrench operated for 4", gear operated for 6" and 10".					
23 05 23 00-0054	EA	2"	Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	414.70	146.13
23 05 23 00-0055	EA	2-1/2"	Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	489.13	146.38
23 05 23 00-0056	EA	3"	Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	598.78	171.63
23 05 23 00-0057	EA	4"	Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	880.52	287.72
23 05 23 00-0058	EA	6"	Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	1,815.64	341.60
23 05 23 00-0059	EA	8"	Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	3,041.26	436.49
23 05 23 00-0060	EA	10"	Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	4,828.76	531.38
23 05 23 00-0061	EA	12"	Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	7,126.31	645.24

23 05 23 00-0062		<b>Plug Valves, Forged Steel, Screwed</b> (23 05 23 00-0043)			
23 05 23 00-0063	EA	1/2"	Plug Valve, 1,500 LB, Forged Steel, Screwed	1,098.31	10.96
23 05 23 00-0064	EA	3/4"	Plug Valve, 1,500 LB, Forged Steel, Screwed	1,297.36	12.06
23 05 23 00-0065	EA	1"	Plug Valve, 1,500 LB, Forged Steel, Screwed	1,466.50	13.70
23 05 23 00-0066	EA	1-1/4"	Plug Valve, 1,500 LB, Forged Steel, Screwed	1,759.35	14.58
23 05 23 00-0067	EA	1-1/2"	Plug Valve, 1,500 LB, Forged Steel, Screwed	2,048.81	16.88

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0068	EA		2" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	2,695.91	19.95
<b>23 05 23 00-0069</b>			<b>Plug Valves, Eccentric, Cast Iron Flanged</b> <small>(23 05 23 00-0043)</small>		
23 05 23 00-0070	EA		4" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	996.92	287.72
23 05 23 00-0071	EA		6" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	1,519.74	341.60
23 05 23 00-0072	EA		8" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	2,063.25	436.49
23 05 23 00-0073	EA		10" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	2,915.50	531.38
23 05 23 00-0074	EA		12" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	3,759.51	645.24
<b>23 05 23 00-0075</b>			<b>Foot Valves</b> <small>(23 05 23)</small>		
<b>23 05 23 00-0076</b>			<b>Single Poppet Foot Valves, Metal To Metal Seat Construction</b> <small>(23 05 23 00-0075)</small>		
23 05 23 00-0077	EA		1" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	91.61	27.42
23 05 23 00-0078	EA		1-1/4" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	104.25	30.70
23 05 23 00-0079	EA		1-1/2" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	134.10	35.10
23 05 23 00-0080	EA		2" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	177.01	39.48
23 05 23 00-0081	EA		2-1/2" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	405.97	64.70
23 05 23 00-0082	EA		3" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	519.46	78.96
<b>23 05 23 00-0083</b>			<b>Double Poppet Foot Valves, Metal To Metal Seat Construction</b> <small>(23 05 23 00-0075)</small>		
23 05 23 00-0084	EA		1" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	91.61	27.42
23 05 23 00-0085	EA		1-1/4" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	198.73	30.70
23 05 23 00-0086	EA		1-1/2" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	188.60	35.10
23 05 23 00-0087	EA		2" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	256.92	39.48
23 05 23 00-0088	EA		3" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	505.04	64.70
23 05 23 00-0089	EA		4" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	687.56	77.87
<b>23 05 23 00-0090</b>			<b>Float Valves</b> <small>(23 05 23)</small>		
<b>23 05 23 00-0091</b>			<b>Float Valve Assembly For Maintaining Liquid Level In Tanks</b> <small>(23 05 23 00-0090)</small>		
<b>23 05 23 00-0092</b>			<b>Single Seat, Bronze Construction</b> <small>(23 05 23 00-0091)</small>		
			Note: For storage tanks, reservoirs, cooling towers and filtration plants.		
23 05 23 00-0093	EA		Inlet Size 1/2", Maximum PSI 100, Single Seat Float Valve.....	216.86	23.02
23 05 23 00-0094	EA		Inlet Size 3/4", Maximum PSI 100, Single Seat Float Valve.....	248.49	27.41
23 05 23 00-0095	EA		Inlet Size 1", Maximum PSI 100, Single Seat Float Valve.....	323.04	29.59
23 05 23 00-0096	EA		Inlet Size 1-1/4", Maximum PSI 90, Single Seat Float Valve.....	540.15	37.27
23 05 23 00-0097	EA		Inlet Size 1-1/2", Maximum PSI 90, Single Seat Float Valve.....	551.11	42.75
<b>23 05 23 00-0098</b>			<b>Double Seat, Bronze Construction</b> <small>(23 05 23 00-0091)</small>		
			Note: For hot or cold water or oil to open tanks.		
23 05 23 00-0099	EA		Pipe Size 1/2" Maximum PSI 150, Double Seat Float Valve.....	1,173.21	23.02
23 05 23 00-0100	EA		Pipe Size 3/4" Maximum PSI 150, Double Seat Float Valve.....	1,181.99	27.41
23 05 23 00-0101	EA		Pipe Size 1" Maximum PSI 150, Double Seat Float Valve.....	1,364.60	29.59
23 05 23 00-0102	EA		Pipe Size 1-1/4" Maximum PSI 150, Double Seat Float Valve.....	1,508.04	37.27
23 05 23 00-0103	EA		Pipe Size 1-1/2" Maximum PSI 150, Double Seat Float Valve.....	1,723.94	42.75
23 05 23 00-0104	EA		Pipe Size 2" Maximum PSI 150, Double Seat Float Valve.....	2,261.89	50.42
23 05 23 00-0105	EA		Pipe Size 2-1/2" Maximum PSI 150, Double Seat Float Valve.....	2,629.43	67.64
23 05 23 00-0106	EA		Pipe Size 3" Maximum PSI 150, Double Seat Float Valve.....	3,162.98	77.73
<b>23 05 23 00-0107</b>			<b>Float Valve Single Seated Balanced For Air Oil Or Water</b> <small>(23 05 23 00-0090)</small>		
			Note: Includes arm, ball and bracket.		
<b>23 05 23 00-0108</b>			<b>Brass Body Threaded Ends</b> <small>(23 05 23 00-0107)</small>		
23 05 23 00-0109	EA		1/2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	227.57	29.70
23 05 23 00-0110	EA		3/4" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	257.33	33.00
23 05 23 00-0111	EA		1" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	319.13	36.50
23 05 23 00-0112	EA		1-1/4" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	510.04	58.98
23 05 23 00-0113	EA		1-1/2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	533.70	67.20
23 05 23 00-0114	EA		2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	600.24	83.31
<b>23 05 23 00-0115</b>			<b>Cast Iron Body Flanged</b> <small>(23 05 23 00-0107)</small>		
23 05 23 00-0116	EA		2-1/2" Cast Iron Body, Flanged, Float Valve, Single Seated With Arm Ball And Bracket.....	7,386.69	146.38
23 05 23 00-0117	EA		3" Cast Iron Body, Flanged, Float Valve, Single Seated With Arm Ball And Bracket.....	8,931.98	171.63
<b>23 05 23 00-0118</b>			<b>Float Operated Valves</b> <small>(23 05 23 00-0090)</small>		
<b>23 05 23 00-0119</b>			<b>For Condensate Receivers Tanks And Vessels</b> <small>(23 05 23 00-0118)</small>		
			Note: Cast iron body, self-contained, float in-line mount.		
23 05 23 00-0120	EA		1" Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket.....	820.16	51.52
<b>23 05 23 00-0121</b>			<b>For Condensate Receivers Tanks And Vessels</b> <small>(23 05 23 00-0118)</small>		
			Note: Cast iron body, external float tank mount, flanged.		
23 05 23 00-0122	EA		3/4" Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket.....	1,030.00	95.91
<b>23 05 23 00-0123</b>			<b>Needle Valves</b> <small>(23 05 23)</small>		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0124		<b>Bronze Needle Valve</b> (23 05 23 00-0123) Note: For heating and cooling applications.		
23 05 23 00-0125	EA	1/4" Needle Valve, Bronze.....	112.67	10.96
23 05 23 00-0126	EA	3/8" Needle Valve, Bronze.....	125.72	10.96
23 05 23 00-0127	EA	1/2" Needle Valve, Bronze.....	137.58	10.96
23 05 23 00-0128	EA	3/4" Needle Valve, Bronze.....	209.10	12.06
23 05 23 00-0129	EA	1" Needle Valve, Bronze.....	321.05	13.70
23 05 23 00-0130		<b>Eccentric Valves With Taps</b> (23 05 23)		
23 05 23 00-0131		<b>Screwed Eccentric Valves With Taps</b> (23 05 23 00-0130)		
23 05 23 00-0132	EA	1/2" Diameter Eccentric Valves With Taps, Screwed.....	178.14	10.96
23 05 23 00-0133	EA	3/4" Diameter Eccentric Valves With Taps, Screwed.....	192.63	12.06
23 05 23 00-0134	EA	1" Diameter Eccentric Valves With Taps, Screwed.....	242.20	13.70
23 05 23 00-0135	EA	1-1/4" Diameter Eccentric Valves With Taps, Screwed.....	294.93	14.58
23 05 23 00-0136	EA	1-1/2" Diameter Eccentric Valves With Taps, Screwed.....	323.75	16.88
23 05 23 00-0137	EA	2" Diameter Eccentric Valves With Taps, Screwed.....	380.81	19.95
23 05 23 00-0138	EA	2-1/2" Diameter Eccentric Valves With Taps, Screwed.....	569.51	26.96
23 05 23 00-0139	EA	3" Diameter Eccentric Valves With Taps, Screwed.....	689.05	31.29
23 05 23 00-0140		<b>Flanged Eccentric Valves With Taps</b> (23 05 23 00-0130)		
23 05 23 00-0141	EA	2-1/2" Diameter Eccentric Valves With Taps, Flanged.....	699.72	146.38
23 05 23 00-0142	EA	3" Diameter Eccentric Valves With Taps, Flanged.....	829.81	171.63
23 05 23 00-0143	EA	4" Diameter Eccentric Valves With Taps, Flanged.....	1,140.30	287.72
23 05 23 00-0144	EA	5" Diameter Eccentric Valves With Taps, Flanged.....	1,481.95	307.44
23 05 23 00-0145	EA	6" Diameter Eccentric Valves With Taps, Flanged.....	1,856.24	341.60
23 05 23 00-0146	EA	8" Diameter Eccentric Valves With Taps, Flanged.....	3,123.08	436.49
23 05 23 00-0147	EA	10" Diameter Eccentric Valves With Taps, Flanged.....	4,343.32	531.38
23 05 23 00-0148	EA	12" Diameter Eccentric Valves With Taps, Flanged.....	7,339.64	645.24
23 05 23 00-0149		<b>Earthquake-Sensitive Gas Shut-Off Valve</b> (23 05 23)		
23 05 23 00-0150		<b>0.5 PSI Threaded Earthquake Gas Shutoff Valves</b> (23 05 23 00-0149)		
23 05 23 00-0151	EA	3/4" Diameter Threaded, 0.5 PSI Earthquake Gas Shutoff Valve.....	158.71	12.06
23 05 23 00-0152	EA	1" Diameter Threaded, 0.5 PSI Earthquake Gas Shutoff Valve.....	179.96	13.70
23 05 23 00-0153		<b>7 PSI Threaded Earthquake Gas Shutoff Valves</b> (23 05 23 00-0149)		
23 05 23 00-0154	EA	1-1/4" Diameter Threaded, 7 PSI Earthquake Gas Shutoff Valve.....	210.63	14.58
23 05 23 00-0155	EA	1-1/2" Diameter Threaded, 7 PSI Earthquake Gas Shutoff Valve.....	283.00	16.88
23 05 23 00-0156		<b>60 PSI Threaded Earthquake Gas Shutoff Valves</b> (23 05 23 00-0149)		
23 05 23 00-0157	EA	3/4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	195.39	12.06
23 05 23 00-0158	EA	1" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	205.43	13.70
23 05 23 00-0159	EA	1-1/4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	231.00	14.58
23 05 23 00-0160	EA	1-1/2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	313.56	16.88
23 05 23 00-0161	EA	2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	710.94	19.95
23 05 23 00-0162	EA	2-1/2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	847.29	26.85
23 05 23 00-0163	EA	3" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	1,097.70	31.29
23 05 23 00-0164	EA	4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	1,271.89	35.33
23 05 23 00-0165		<b>60 PSI Flanged Earthquake Gas Shutoff Valves</b> (23 05 23 00-0149)		
23 05 23 00-0166	EA	2" Flanged, 60 PSI Earthquake Gas Shutoff Valve.....	997.75	146.13
23 05 23 00-0167	EA	3" Flanged, 60 PSI Earthquake Gas Shutoff Valve.....	1,228.51	171.63
23 05 23 00-0168	EA	4" Flanged, 60 PSI Earthquake Gas Shutoff Valve.....	1,735.93	287.72
23 05 23 00-0169	EA	6" Flanged, 60 PSI Earthquake Gas Shutoff Valve.....	2,822.71	341.60
23 05 23 00-0170	EA	8" Flanged, 60 PSI Earthquake Gas Shutoff Valve.....	7,571.94	436.49
23 05 23 00-0171		<b>Emergency Shut-Off Valve With Fusible Link</b> (23 05 23)		
23 05 23 00-0172		<b>Threaded, Fusible Brass Gate Valves (Morrison Bros. 939)</b> (23 05 23 00-0171) Note: Brass globe/gate valve used to shut off product flow in the event of a fire. Fusible element in the handwheel automatically closes the valve when in contact with 165° F.		
23 05 23 00-0173	EA	1/4" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series).....	66.92	17.65
		For Work In Restricted Working Space, Add	9.58	
23 05 23 00-0174	EA	3/8" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series).....	68.64	18.63
		For Work In Restricted Working Space, Add	10.09	
23 05 23 00-0175	EA	1/2" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series).....	107.39	17.65
		For Work In Restricted Working Space, Add	10.61	
23 05 23 00-0176	EA	3/4" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series).....	207.58	23.79
		For Work In Restricted Working Space, Add	14.30	
23 05 23 00-0177	EA	1" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series).....	511.07	28.83
		For Work In Restricted Working Space, Add	17.31	
23 05 23 00-0178		<b>Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)</b> (23 05 23 00-0171) Note: Ductile iron body, cap, seat and swing arm. Viton® encapsulated Teflon® o-ring, Teflon® gasket, and stainless steel spring.		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 05 Common Work Results for HVAC**

**23 05 23 General-Duty Valves For HVAC Piping**



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 05 23 00-0179	EA	1-1/2" Diameter Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI).....	397.49	16.88
23 05 23 00-0180	EA	2" Diameter Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI).....	430.48	19.95
23 05 23 00-0181	EA	3" Diameter Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI).....	720.72	31.29

**23 05 23 00-0182 Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)** (23 05 23 00-0171)

Note: Ductile iron body, cap, seat and swing arm. Viton® encapsulated Teflon® o-ring, Teflon® gasket, and stainless steel spring.

23 05 23 00-0183	EA	2" Diameter Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI).....	596.05	146.13
23 05 23 00-0184	EA	3" Diameter Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI).....	955.57	171.63
23 05 23 00-0185	EA	4" Diameter Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI).....	2,161.59	287.72

**23 05 23 00-0186 Solenoid Valves** (23 05 23)

**23 05 23 00-0187 Bronze Body Solenoid Valves, 150 PSI Maximum Water Pressure** (23 05 23 00-0186)

23 05 23 00-0188	EA	1/4" Solenoid Valve, Bronze, 150 PSI, Water.....	120.20	10.96
23 05 23 00-0189	EA	1/2" Solenoid Valve, Bronze, 150 PSI, Water.....	139.46	10.96
23 05 23 00-0190	EA	3/4" Solenoid Valve, Bronze, 150 PSI, Water.....	178.56	12.06
23 05 23 00-0191	EA	1" Solenoid Valve, Bronze, 150 PSI, Water.....	262.72	13.70
23 05 23 00-0192	EA	1-1/2" Solenoid Valve, Bronze, 150 PSI, Water.....	462.83	16.88
23 05 23 00-0193	EA	2" Solenoid Valve, Bronze, 150 PSI, Water.....	723.70	19.95
23 05 23 00-0194	EA	2-1/2" Solenoid Valve, Bronze, 150 PSI, Water.....	985.69	26.96
23 05 23 00-0195	EA	3" Solenoid Valve, Bronze, 150 PSI, Water.....	1,428.65	31.29

**23 05 23 00-0196 Gate Valves** (23 05 23)

**23 05 23 00-0197 Class 125 Brazed Or Soldered Bronze Gate Valves** (23 05 23 00-0196)

Note: 125 psi steam, basic rating, 200 psi cold working pressure. (Milwaukee Valve 105)

23 05 23 00-0198	EA	1/4" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve.....	80.10	10.96
		For 150 LB Rating, Add	4.82	
		For 200 LB Rating, Add	7.23	
		For Work In Restricted Working Space, Add	9.58	
23 05 23 00-0199	EA	3/8" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve.....	81.78	10.96
		For 150 LB Rating, Add	4.82	
		For 200 LB Rating, Add	7.23	
		For Work In Restricted Working Space, Add	10.08	
23 05 23 00-0200	EA	1/2" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve.....	83.84	10.96
		For 150 LB Rating, Add	4.85	
		For 200 LB Rating, Add	7.27	
		For Work In Restricted Working Space, Add	10.61	
23 05 23 00-0201	EA	3/4" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve.....	99.75	12.06
		For 150 LB Rating, Add	5.21	
		For 200 LB Rating, Add	7.81	
		For Work In Restricted Working Space, Add	14.30	
23 05 23 00-0202	EA	1" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve.....	121.51	13.70
		For 150 LB Rating, Add	6.38	
		For 200 LB Rating, Add	9.57	
		For Work In Restricted Working Space, Add	17.31	
23 05 23 00-0203	EA	1-1/4" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve.....	177.27	14.58
		For 150 LB Rating, Add	10.42	
		For 200 LB Rating, Add	15.63	
		For Work In Restricted Working Space, Add	21.93	
23 05 23 00-0204	EA	1-1/2" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve.....	197.56	16.88
		For 150 LB Rating, Add	11.32	
		For 200 LB Rating, Add	16.98	
		For Work In Restricted Working Space, Add	25.30	
23 05 23 00-0205	EA	2" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve.....	236.84	19.95
		For 150 LB Rating, Add	13.72	
		For 200 LB Rating, Add	20.58	
		For Work In Restricted Working Space, Add	29.90	
23 05 23 00-0206	EA	2-1/2" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve.....	532.52	26.96
		For 150 LB Rating, Add	39.79	
		For 200 LB Rating, Add	59.69	
		For Chain Operated Type, Add	179.06	
		For Work In Restricted Working Space, Add	40.38	
23 05 23 00-0207	EA	3" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve.....	624.85	31.29
		For 150 LB Rating, Add	46.95	
		For 200 LB Rating, Add	70.43	
		For Work In Restricted Working Space, Add	46.59	

**23 05 23 00-0208 Class 125 Brazed Or Soldered Bronze Lead Free Gate Valves** (23 05 23 00-0196)

Note: 125 psi steam, basic rating, 200 psi cold working pressure. (Milwaukee Valve UP105, Nibco T113-LF)

23 05 23 00-0209	EA	1/4" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve.....	96.16	10.96
		For 150 LB Rating, Add	6.42	
		For 200 LB Rating, Add	9.64	
		For Work In Restricted Working Space, Add	9.58	
23 05 23 00-0210	EA	3/8" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve.....	97.70	10.96
		For 150 LB Rating, Add	6.41	
		For 200 LB Rating, Add	9.62	
		For Work In Restricted Working Space, Add	10.08	
23 05 23 00-0211	EA	1/2" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve.....	113.51	10.96
		For 150 LB Rating, Add	7.81	
		For 200 LB Rating, Add	11.72	
		For Work In Restricted Working Space, Add	10.61	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0212	EA		3/4" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve.....	129.42	12.06
			For 150 LB Rating, Add	8.18	
			For 200 LB Rating, Add	12.26	
			For Work In Restricted Working Space, Add	14.30	
23 05 23 00-0213	EA		1" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve.....	155.36	13.70
			For 150 LB Rating, Add	9.77	
			For 200 LB Rating, Add	14.65	
			For Work In Restricted Working Space, Add	17.31	
23 05 23 00-0214	EA		1-1/4" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve.....	223.57	14.58
			For 150 LB Rating, Add	15.05	
			For 200 LB Rating, Add	22.57	
			For Work In Restricted Working Space, Add	21.93	
23 05 23 00-0215	EA		1-1/2" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve.....	255.80	16.88
			For 150 LB Rating, Add	17.15	
			For 200 LB Rating, Add	25.72	
			For Work In Restricted Working Space, Add	25.30	
23 05 23 00-0216	EA		2" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve.....	326.83	19.95
			For 150 LB Rating, Add	22.72	
			For 200 LB Rating, Add	34.08	
			For Work In Restricted Working Space, Add	29.90	
<b>23 05 23 00-0217</b>			<b>Class 125 Threaded, Bronze Gate Valves</b> <small>(23 05 23 00-0196)</small>		
			Note: 125 psi steam, basic rating, 200 psi cold working pressure.		
23 05 23 00-0218	EA		1/4" Diameter, 125 LB, Threaded Bronze Gate Valve .....	62.72	10.96
			For 150 LB Rating, Add	3.08	
			For 200 LB Rating, Add	4.62	
			For 250 LB Rating, Add	7.70	
			For 300 LB Rating, Add	10.78	
			For Work In Restricted Working Space, Add	9.58	
23 05 23 00-0219	EA		3/8" Diameter, 125 LB, Threaded Bronze Gate Valve .....	64.40	10.96
			For 150 LB Rating, Add	3.08	
			For 200 LB Rating, Add	4.62	
			For 250 LB Rating, Add	7.70	
			For 300 LB Rating, Add	10.78	
			For Work In Restricted Working Space, Add	10.08	
23 05 23 00-0220	EA		1/2" Diameter, 125 LB, Threaded Bronze Gate Valve .....	66.17	10.96
			For 150 LB Rating, Add	3.08	
			For 200 LB Rating, Add	4.62	
			For 250 LB Rating, Add	7.70	
			For 300 LB Rating, Add	10.78	
			For Work In Restricted Working Space, Add	10.61	
23 05 23 00-0221	EA		3/4" Diameter, 125 LB, Threaded Bronze Gate Valve .....	84.41	12.06
			For 150 LB Rating, Add	3.68	
			For 200 LB Rating, Add	5.51	
			For 250 LB Rating, Add	9.19	
			For 300 LB Rating, Add	12.86	
			For Work In Restricted Working Space, Add	14.30	
23 05 23 00-0222	EA		1" Diameter, 125 LB, Threaded Bronze Gate Valve .....	113.22	13.70
			For 150 LB Rating, Add	5.55	
			For 200 LB Rating, Add	8.33	
			For 250 LB Rating, Add	13.88	
			For 300 LB Rating, Add	19.43	
			For Work In Restricted Working Space, Add	17.31	
23 05 23 00-0223	EA		1-1/4" Diameter, 125 LB, Threaded Bronze Gate Valve .....	147.95	14.58
			For 150 LB Rating, Add	7.49	
			For 200 LB Rating, Add	11.23	
			For 250 LB Rating, Add	18.72	
			For 300 LB Rating, Add	26.20	
			For Work In Restricted Working Space, Add	21.93	
23 05 23 00-0224	EA		1-1/2" Diameter, 125 LB, Threaded Bronze Gate Valve .....	178.66	16.88
			For 150 LB Rating, Add	9.43	
			For 200 LB Rating, Add	14.15	
			For 250 LB Rating, Add	23.58	
			For 300 LB Rating, Add	33.02	
			For Work In Restricted Working Space, Add	25.30	
23 05 23 00-0225	EA		2" Diameter, 125 LB, Threaded Bronze Gate Valve .....	228.54	19.95
			For 150 LB Rating, Add	12.89	
			For 200 LB Rating, Add	19.33	
			For 250 LB Rating, Add	32.22	
			For 300 LB Rating, Add	45.11	
			For Work In Restricted Working Space, Add	29.90	
23 05 23 00-0226	EA		2-1/2" Diameter, 125 LB, Threaded Bronze Gate Valve .....	502.19	26.96
			For 150 LB Rating, Add	36.76	
			For 200 LB Rating, Add	55.14	
			For 250 LB Rating, Add	91.90	
			For 300 LB Rating, Add	128.65	
			For Chain Operated Type, Add	165.41	
			For Work In Restricted Working Space, Add	40.38	
23 05 23 00-0227	EA		3" Diameter, 125 LB, Threaded Bronze Gate Valve .....	594.70	31.29
			For 150 LB Rating, Add	43.94	
			For 200 LB Rating, Add	65.91	
			For 250 LB Rating, Add	109.85	
			For 300 LB Rating, Add	153.79	
			For Chain Operated Type, Add	197.73	
			For Work In Restricted Working Space, Add	46.59	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 05 23 00-0228	EA 4" Diameter, 125 LB, Threaded Bronze Gate Valve .....	1,223.43	35.33
	For 150 LB Rating, Add	104.68	
	For 200 LB Rating, Add	157.01	
	For 250 LB Rating, Add	261.69	
	For 300 LB Rating, Add	366.37	
	For Chain Operated Type, Add	471.04	
	For Work In Restricted Working Space, Add	53.00	
<b>23 05 23 00-0229</b>	<b>200 PSI, Non Rising Stem, Crimped Bronze Gate Valves</b> <small>(23 05 23 00-0196)</small>		
	Note: 200 psi cold working pressure.		
23 05 23 00-0230	EA 1/2" Diameter, 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve .....	116.41	10.96
	For Work In Restricted Working Space, Add	7.40	
23 05 23 00-0231	EA 3/4" Diameter, 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve .....	131.10	12.06
	For Work In Restricted Working Space, Add	8.43	
23 05 23 00-0232	EA 1" Diameter, 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve .....	172.29	13.70
	For Work In Restricted Working Space, Add	10.07	
23 05 23 00-0233	EA 1-1/4" Diameter, 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve .....	234.91	14.58
	For Work In Restricted Working Space, Add	11.10	
23 05 23 00-0234	EA 1-1/2" Diameter, 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve .....	272.32	16.88
	For Work In Restricted Working Space, Add	12.33	
23 05 23 00-0235	EA 2" Diameter, 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve .....	374.83	19.95
	For Work In Restricted Working Space, Add	14.80	
<b>23 05 23 00-0236</b>	<b>Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valves</b> <small>(23 05 23 00-0196)</small>		
	Note: 125 psi steam, basic rating. 200 psi cold working pressure.		
23 05 23 00-0237	EA 1-1/2" Diameter, Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve .....	266.26	16.88
	For 150 LB Rating, Add	36.39	
	For 250 LB Rating, Add	63.68	
	For Chain Operated Type, Add	63.68	
	For Work In Restricted Working Space, Add	25.30	
23 05 23 00-0238	EA 2" Diameter, Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve .....	407.08	19.95
	For 150 LB Rating, Add	61.48	
	For 250 LB Rating, Add	107.60	
	For Chain Operated Type, Add	107.60	
	For Work In Restricted Working Space, Add	29.90	
23 05 23 00-0239	EA 2-1/2" Diameter, Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve .....	596.98	26.96
	For 150 LB Rating, Add	92.47	
	For 250 LB Rating, Add	161.83	
	For Chain Operated Type, Add	161.83	
	For Work In Restricted Working Space, Add	40.38	
23 05 23 00-0240	EA 3" Diameter, Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve .....	761.96	31.29
	For 150 LB Rating, Add	121.33	
	For 250 LB Rating, Add	212.33	
	For Chain Operated Type, Add	212.33	
	For Work In Restricted Working Space, Add	46.59	
23 05 23 00-0241	EA 4" Diameter, Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve .....	1,809.71	35.33
	For 150 LB Rating, Add	326.61	
	For 250 LB Rating, Add	571.56	
	For Chain Operated Type, Add	571.56	
	For Work In Restricted Working Space, Add	53.00	
<b>23 05 23 00-0242</b>	<b>Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valves</b> <small>(23 05 23 00-0196)</small>		
	Note: 125 psi steam, basic rating. 200 psi cold working pressure.		
23 05 23 00-0243	EA 1-1/2" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	397.81	115.10
	For 150 LB Rating, Add	73.54	
	For 250 LB Rating, Add	126.79	
	For 300 LB Rating, ASTM A182, Add	325.69	
	For Chain Operated Type, Add	126.79	
	For Work In Restricted Working Space, Add	43.27	
23 05 23 00-0244	EA 2" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	447.91	146.13
	For 150 LB Rating, Add	76.91	
	For 250 LB Rating, Add	132.60	
	For 300 LB Rating, ASTM A182, Add	356.56	
	For Chain Operated Type, Add	132.60	
	For Work In Restricted Working Space, Add	54.81	
23 05 23 00-0245	EA 2-1/2" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	501.74	146.38
	For 150 LB Rating, Add	92.28	
	For 250 LB Rating, Add	159.10	
	For 300 LB Rating, ASTM A182, Add	409.97	
	For Chain Operated Type, Add	159.10	
	For Work In Restricted Working Space, Add	55.07	
23 05 23 00-0246	EA 3" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	612.51	171.63
	For 150 LB Rating, Add	115.34	
	For 250 LB Rating, Add	198.86	
	For 300 LB Rating, ASTM A182, Add	505.11	
	For Chain Operated Type, Add	198.86	
	For Work In Restricted Working Space, Add	64.44	
23 05 23 00-0247	EA 4" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	890.86	287.72
	For 150 LB Rating, Add	153.79	
	For 250 LB Rating, Add	265.16	
	For 300 LB Rating, ASTM A182, Add	710.59	
	For Chain Operated Type, Add	265.16	
	For Work In Restricted Working Space, Add	108.17	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0248	EA		5" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	1,073.05	307.44
			For 150 LB Rating, Add	199.91	
			For 250 LB Rating, Add	344.67	
			For 300 LB Rating, ASTM A182, Add	881.20	
			For Chain Operated Type, Add	344.67	
			For Work In Restricted Working Space, Add	115.11	
23 05 23 00-0249	EA		6" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	1,276.86	341.60
			For 150 LB Rating, Add	246.02	
			For 250 LB Rating, Add	424.17	
			For 300 LB Rating, ASTM A182, Add	1,062.60	
			For Chain Operated Type, Add	424.17	
			For Work In Restricted Working Space, Add	128.56	
23 05 23 00-0250	EA		8" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	1,947.49	436.49
			For 150 LB Rating, Add	407.53	
			For 250 LB Rating, Add	702.64	
			For 300 LB Rating, ASTM A182, Add	1,676.38	
			For Chain Operated Type, Add	702.64	
			For Work In Restricted Working Space, Add	162.67	
23 05 23 00-0251	EA		10" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	2,520.10	531.38
			For 150 LB Rating, Add	538.21	
			For 250 LB Rating, Add	927.94	
			For 300 LB Rating, ASTM A182, Add	2,187.99	
			For Chain Operated Type, Add	927.94	
			For Work In Restricted Working Space, Add	199.27	
23 05 23 00-0252	EA		12" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	3,456.51	645.24
			For 150 LB Rating, Add	768.91	
			For 250 LB Rating, Add	1,325.70	
			For 300 LB Rating, ASTM A182, Add	3,053.96	
			For Chain Operated Type, Add	1,325.70	
			For Work In Restricted Working Space, Add	241.53	
<b>23 05 23 00-0253</b>			<b>Class 125 Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valves</b> <small>(23 05 23 00-0196)</small>		
			Note: 125 psi steam, basic rating. 200 psi cold working pressure.		
23 05 23 00-0254	EA		1-1/2" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve .....	530.30	16.88
			For 175 LB Rating, Add	222.99	
			For 250 LB Rating, Add	334.48	
			For Work In Restricted Working Space, Add	25.30	
23 05 23 00-0255	EA		2" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve .....	676.18	19.95
			For 175 LB Rating, Add	288.26	
			For 250 LB Rating, Add	432.39	
			For Work In Restricted Working Space, Add	29.90	
23 05 23 00-0256	EA		2-1/2" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve .....	784.71	26.96
			For 175 LB Rating, Add	325.05	
			For 250 LB Rating, Add	487.58	
			For Work In Restricted Working Space, Add	40.38	
23 05 23 00-0257	EA		3" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve .....	872.63	31.29
			For 175 LB Rating, Add	358.66	
			For 250 LB Rating, Add	537.99	
			For Work In Restricted Working Space, Add	46.59	
23 05 23 00-0258	EA		4" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve .....	1,167.19	35.33
			For 175 LB Rating, Add	495.26	
			For 250 LB Rating, Add	742.89	
			For Work In Restricted Working Space, Add	53.00	
<b>23 05 23 00-0259</b>			<b>Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valves</b> <small>(23 05 23 00-0196)</small>		
			Note: 125 psi steam, basic rating. 200 psi cold working pressure for up to 12". 100 psi steam, basic rating. 150 psi cold working pressure for >12" to 24". 50 psi steam, basic rating. 150 psi cold working pressure for >24".		
23 05 23 00-0260	EA		1-1/2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	509.79	115.10
			For 150 LB Rating, Add	54.83	
			For 175 LB Rating, Add	113.32	
			For 250 LB Rating, Add	237.61	
			For Chain Operated Type, Add	182.78	
			For Work In Restricted Working Space, Add	43.27	
23 05 23 00-0261	EA		2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	559.11	146.13
			For 150 LB Rating, Add	56.46	
			For 175 LB Rating, Add	116.68	
			For 250 LB Rating, Add	244.66	
			For Chain Operated Type, Add	188.20	
			For Work In Restricted Working Space, Add	54.81	
23 05 23 00-0262	EA		2-1/2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	572.24	146.38
			For 150 LB Rating, Add	58.30	
			For 175 LB Rating, Add	120.49	
			For 250 LB Rating, Add	252.65	
			For Chain Operated Type, Add	194.35	
			For Work In Restricted Working Space, Add	55.07	
23 05 23 00-0263	EA		3" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	642.46	171.63
			For 150 LB Rating, Add	64.15	
			For 175 LB Rating, Add	132.57	
			For 250 LB Rating, Add	277.98	
			For Chain Operated Type, Add	213.83	
			For Work In Restricted Working Space, Add	64.44	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 05 Common Work Results for HVAC**

**23 05 23 General-Duty Valves For HVAC Piping**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0264	EA		4" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....879.19	879.19	287.72
			For 150 LB Rating, Add	77.80	
			For 175 LB Rating, Add	160.78	
			For 250 LB Rating, Add	337.12	
			For Chain Operated Type, Add	259.32	
			For Work In Restricted Working Space, Add	108.17	
23 05 23 00-0265	EA		5" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....1,107.33	1,107.33	307.44
			For 150 LB Rating, Add	108.54	
			For 175 LB Rating, Add	224.32	
			For 250 LB Rating, Add	470.35	
			For Chain Operated Type, Add	361.81	
			For Work In Restricted Working Space, Add	115.11	
23 05 23 00-0266	EA		6" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....1,254.93	1,254.93	341.60
			For 150 LB Rating, Add	123.96	
			For 175 LB Rating, Add	256.18	
			For 250 LB Rating, Add	537.16	
			For Chain Operated Type, Add	413.20	
			For Work In Restricted Working Space, Add	128.56	
23 05 23 00-0267	EA		8" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....1,939.89	1,939.89	436.49
			For 150 LB Rating, Add	209.65	
			For 175 LB Rating, Add	433.28	
			For 250 LB Rating, Add	908.49	
			For Chain Operated Type, Add	698.84	
			For Work In Restricted Working Space, Add	162.67	
23 05 23 00-0268	EA		10" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....2,815.23	2,815.23	531.38
			For 150 LB Rating, Add	322.65	
			For 175 LB Rating, Add	666.81	
			For 250 LB Rating, Add	1,398.16	
			For Chain Operated Type, Add	1,075.51	
			For Work In Restricted Working Space, Add	199.27	
23 05 23 00-0269	EA		12" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....3,531.34	3,531.34	645.24
			For 150 LB Rating, Add	408.93	
			For 175 LB Rating, Add	845.13	
			For 250 LB Rating, Add	1,772.05	
			For Chain Operated Type, Add	1,363.12	
			For Work In Restricted Working Space, Add	241.53	
23 05 23 00-0270	EA		14" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....6,959.94	6,959.94	917.03
			For 150 LB Rating, Add	872.05	
			For 175 LB Rating, Add	1,802.23	
			For 250 LB Rating, Add	3,778.88	
			For Work In Restricted Working Space, Add	343.88	
23 05 23 00-0271	EA		16" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....8,993.66	8,993.66	1,008.73
			For 150 LB Rating, Add	1,159.91	
			For 175 LB Rating, Add	2,397.15	
			For 250 LB Rating, Add	5,026.29	
			For Work In Restricted Working Space, Add	378.27	
23 05 23 00-0272	EA		18" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....12,224.45	12,224.45	1,118.77
			For 150 LB Rating, Add	1,623.90	
			For 175 LB Rating, Add	3,356.06	
			For 250 LB Rating, Add	7,036.89	
			For Work In Restricted Working Space, Add	419.54	
23 05 23 00-0273	EA		20" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....15,493.13	15,493.13	1,260.91
			For 150 LB Rating, Add	2,087.55	
			For 175 LB Rating, Add	4,314.27	
			For 250 LB Rating, Add	9,046.05	
			For Work In Restricted Working Space, Add	472.84	
23 05 23 00-0274	EA		24" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....21,133.15	21,133.15	1,547.48
			For 150 LB Rating, Add	2,879.82	
			For 175 LB Rating, Add	5,951.63	
			For 250 LB Rating, Add	12,479.22	
			For Work In Restricted Working Space, Add	580.31	
23 05 23 00-0275	EA		30" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....43,949.73	43,949.73	2,521.82
			For 150 LB Rating, Add	6,119.62	
			For 175 LB Rating, Add	12,647.21	
			For 250 LB Rating, Add	26,518.34	
			For Work In Restricted Working Space, Add	945.68	
23 05 23 00-0276	EA		36" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....56,039.79	56,039.79	3,362.43
			For 150 LB Rating, Add	7,775.51	
			For 175 LB Rating, Add	16,069.40	
			For 250 LB Rating, Add	33,693.89	
			For Work In Restricted Working Space, Add	1,260.91	
23 05 23 00-0277			<b>Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valves</b> (23 05 23 00-0196)		
			Note: 800 psig at 850 degrees F.		
23 05 23 00-0278	EA		1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....159.73	159.73	10.96
			For Work In Restricted Working Space, Add	9.58	
23 05 23 00-0279	EA		1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....163.18	163.18	10.96
			For Work In Restricted Working Space, Add	10.61	
23 05 23 00-0280	EA		3/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....192.62	192.62	12.06
			For Work In Restricted Working Space, Add	14.30	
23 05 23 00-0281	EA		1" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....233.83	233.83	13.70
			For Work In Restricted Working Space, Add	17.31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0282	EA		1-1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	357.27	14.58
			<i>For Work In Restricted Working Space, Add</i>	21.93	
23 05 23 00-0283	EA		1-1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	422.56	16.88
			<i>For Work In Restricted Working Space, Add</i>	25.30	
23 05 23 00-0284	EA		2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	531.41	19.95
			<i>For Work In Restricted Working Space, Add</i>	29.90	
<b>23 05 23 00-0285</b>			<b>Cast Steel Flanged Gate Valves</b> <small>(23 05 23 00-0196)</small>		
<b>23 05 23 00-0286</b>			<b>Class 150, Cast Steel, Flanged, Gate Valves</b> <small>(23 05 23 00-0285)</small>		
23 05 23 00-0287	EA		2" Diameter, Class 150, Cast Steel, Flanged, Gate Valve	1,053.18	146.13
			<i>For Work In Restricted Working Space, Add</i>	54.81	
23 05 23 00-0288	EA		2-1/2" Diameter, Class 150, Cast Steel, Flanged, Gate Valve	1,432.06	146.38
			<i>For Work In Restricted Working Space, Add</i>	55.07	
23 05 23 00-0289	EA		3" Diameter, Class 150, Cast Steel, Flanged, Gate Valve	1,463.31	171.63
			<i>For Work In Restricted Working Space, Add</i>	64.44	
23 05 23 00-0290	EA		4" Diameter, Class 150, Cast Steel, Flanged, Gate Valve	1,940.01	287.72
			<i>For Work In Restricted Working Space, Add</i>	108.17	
23 05 23 00-0291	EA		6" Diameter, Class 150, Cast Steel, Flanged, Gate Valve	2,820.95	341.60
			<i>For Work In Restricted Working Space, Add</i>	128.56	
23 05 23 00-0292	EA		8" Diameter, Class 150, Cast Steel, Flanged, Gate Valve	4,313.90	436.49
			<i>For Work In Restricted Working Space, Add</i>	162.67	
23 05 23 00-0293	EA		10" Diameter, Class 150, Cast Steel, Flanged, Gate Valve	6,169.10	531.38
			<i>For Work In Restricted Working Space, Add</i>	199.27	
23 05 23 00-0294	EA		12" Diameter, Class 150, Cast Steel, Flanged, Gate Valve	7,846.32	645.24
			<i>For Work In Restricted Working Space, Add</i>	241.54	
<b>23 05 23 00-0295</b>			<b>Class 300, Cast Steel, Flanged, Gate Valves</b> <small>(23 05 23 00-0285)</small>		
23 05 23 00-0296	EA		2" Diameter, Class 300, Cast Steel, Flanged, Gate Valve	1,354.03	146.13
			<i>For Work In Restricted Working Space, Add</i>	54.81	
23 05 23 00-0297	EA		2-1/2" Diameter, Class 300, Cast Steel, Flanged, Gate Valve	1,733.15	146.38
			<i>For Work In Restricted Working Space, Add</i>	55.07	
23 05 23 00-0298	EA		3" Diameter, Class 300, Cast Steel, Flanged, Gate Valve	1,764.40	171.63
			<i>For Work In Restricted Working Space, Add</i>	64.44	
23 05 23 00-0299	EA		4" Diameter, Class 300, Cast Steel, Flanged, Gate Valve	2,548.35	287.72
			<i>For Work In Restricted Working Space, Add</i>	108.17	
23 05 23 00-0300	EA		6" Diameter, Class 300, Cast Steel, Flanged, Gate Valve	4,052.00	341.60
			<i>For Work In Restricted Working Space, Add</i>	128.56	
23 05 23 00-0301	EA		8" Diameter, Class 300, Cast Steel, Flanged, Gate Valve	6,026.09	436.49
			<i>For Work In Restricted Working Space, Add</i>	162.67	
23 05 23 00-0302	EA		10" Diameter, Class 300, Cast Steel, Flanged, Gate Valve	7,744.14	531.38
			<i>For Work In Restricted Working Space, Add</i>	199.27	
23 05 23 00-0303	EA		12" Diameter, Class 300, Cast Steel, Flanged, Gate Valve	12,981.76	645.24
			<i>For Work In Restricted Working Space, Add</i>	241.54	
<b>23 05 23 00-0304</b>			<b>Class 600, Cast Steel, Flanged, Gate Valves</b> <small>(23 05 23 00-0285)</small>		
23 05 23 00-0305	EA		2" Diameter, Class 600, Cast Steel, Flanged, Gate Valve	1,950.20	146.13
			<i>For Work In Restricted Working Space, Add</i>	54.81	
23 05 23 00-0306	EA		2-1/2" Diameter, Class 600, Cast Steel, Flanged, Gate Valve	2,453.19	146.38
			<i>For Work In Restricted Working Space, Add</i>	55.07	
23 05 23 00-0307	EA		3" Diameter, Class 600, Cast Steel, Flanged, Gate Valve	2,484.44	171.63
			<i>For Work In Restricted Working Space, Add</i>	64.44	
23 05 23 00-0308	EA		4" Diameter, Class 600, Cast Steel, Flanged, Gate Valve	3,755.06	287.72
			<i>For Work In Restricted Working Space, Add</i>	108.17	
23 05 23 00-0309	EA		6" Diameter, Class 600, Cast Steel, Flanged, Gate Valve	7,179.95	341.60
			<i>For Work In Restricted Working Space, Add</i>	128.56	
23 05 23 00-0310	EA		8" Diameter, Class 600, Cast Steel, Flanged, Gate Valve	15,119.04	436.49
			<i>For Work In Restricted Working Space, Add</i>	162.67	
23 05 23 00-0311	EA		10" Diameter, Class 600, Cast Steel, Flanged, Gate Valve	22,447.05	531.38
			<i>For Work In Restricted Working Space, Add</i>	199.27	
23 05 23 00-0312	EA		12" Diameter, Class 600, Cast Steel, Flanged, Gate Valve	29,908.99	645.24
			<i>For Work In Restricted Working Space, Add</i>	241.54	
<b>23 05 23 00-0313</b>			<b>Ball Valves</b> <small>(23 05 23)</small>		
			See CSI section 23 23 13 00-0000 for refrigeration valves.		
<b>23 05 23 00-0314</b>			<b>Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valves</b> <small>(23 05 23 00-0313)</small>		
			Note: 125 LB WSP.		
23 05 23 00-0315	EA		1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	47.80	10.96
			<i>For Extension Stems And Sleeves On Insulated Pipe, Add</i>	2.63	
			<i>For Full Port, Add</i>	5.59	
			<i>For Work In Restricted Working Space, Add</i>	10.61	
23 05 23 00-0316	EA		3/4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	66.77	12.06
			<i>For Extension Stems And Sleeves On Insulated Pipe, Add</i>	2.63	
			<i>For Full Port, Add</i>	8.60	
			<i>For Work In Restricted Working Space, Add</i>	14.30	
23 05 23 00-0317	EA		1" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	83.49	13.70
			<i>For Extension Stems And Sleeves On Insulated Pipe, Add</i>	2.63	
			<i>For Full Port, Add</i>	11.61	
			<i>For Work In Restricted Working Space, Add</i>	17.31	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 05 23 00-0318	EA	1-1/4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	116.40	14.58
		<i>For Extension Stems And Sleeves On Insulated Pipe, Add</i>	2.63	
		<i>For Full Port, Add</i>	19.49	
		<i>For Work In Restricted Working Space, Add</i>	21.93	
23 05 23 00-0319	EA	1-1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	139.65	16.88
		<i>For Extension Stems And Sleeves On Insulated Pipe, Add</i>	2.63	
		<i>For Full Port, Add</i>	24.89	
		<i>For Work In Restricted Working Space, Add</i>	25.30	
23 05 23 00-0320	EA	2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	168.95	19.95
		<i>For Extension Stems And Sleeves On Insulated Pipe, Add</i>	2.63	
		<i>For Full Port, Add</i>	31.18	
		<i>For Work In Restricted Working Space, Add</i>	29.90	
23 05 23 00-0321	EA	2-1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	461.61	26.96
		<i>For Extension Stems And Sleeves On Insulated Pipe, Add</i>	2.63	
		<i>For Full Port, Add</i>	147.15	
		<i>For Work In Restricted Working Space, Add</i>	40.38	
23 05 23 00-0322	EA	3" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	532.60	31.29
		<i>For Extension Stems And Sleeves On Insulated Pipe, Add</i>	2.63	
		<i>For Full Port, Add</i>	169.78	
		<i>For Work In Restricted Working Space, Add</i>	46.59	
23 05 23 00-0323	EA	4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	691.05	35.33
		<i>For Extension Stems And Sleeves On Insulated Pipe, Add</i>	2.63	
		<i>For Full Port, Add</i>	231.47	
		<i>For Work In Restricted Working Space, Add</i>	53.00	
<b>23 05 23 00-0324</b>		<b>Screwed, 150 LB, Full Port, Carbon Steel Ball Valves</b> <small>(23 05 23 00-0313)</small>		
23 05 23 00-0325	EA	1/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve.....	55.70	10.96
		<i>For Work In Restricted Working Space, Add</i>	9.58	
23 05 23 00-0326	EA	1/2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve.....	61.18	10.96
		<i>For Work In Restricted Working Space, Add</i>	10.61	
23 05 23 00-0327	EA	3/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve.....	84.99	12.06
		<i>For Work In Restricted Working Space, Add</i>	14.30	
23 05 23 00-0328	EA	1" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve.....	107.90	13.70
		<i>For Work In Restricted Working Space, Add</i>	17.31	
23 05 23 00-0329	EA	1-1/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve.....	158.89	14.58
		<i>For Work In Restricted Working Space, Add</i>	21.93	
23 05 23 00-0330	EA	1-1/2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve.....	193.02	16.88
		<i>For Work In Restricted Working Space, Add</i>	25.30	
23 05 23 00-0331	EA	2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve.....	249.32	19.95
		<i>For Work In Restricted Working Space, Add</i>	29.90	
<b>23 05 23 00-0332</b>		<b>Flanged, 150 LB, Full Port, Carbon Steel Ball Valves</b> <small>(23 05 23 00-0313)</small>		
23 05 23 00-0333	EA	1-1/2" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve.....	334.63	115.10
		<i>For 150 LB Rating, Add</i>	55.21	
		<i>For 250 LB Rating, Add</i>	95.20	
		<i>For 300 LB Rating, ASTM A182, Add</i>	262.51	
		<i>For Chain Operated Type, Add</i>	95.20	
		<i>For Work In Restricted Working Space, Add</i>	43.27	
		<i>For Work In Restricted Working Space, Add</i>	43.27	
23 05 23 00-0334	EA	2" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve.....	418.90	146.13
		<i>For 150 LB Rating, Add</i>	68.50	
		<i>For 250 LB Rating, Add</i>	118.10	
		<i>For 300 LB Rating, ASTM A182, Add</i>	327.55	
		<i>For Chain Operated Type, Add</i>	118.10	
		<i>For Work In Restricted Working Space, Add</i>	54.81	
		<i>For Work In Restricted Working Space, Add</i>	54.81	
23 05 23 00-0335	EA	2-1/2" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve.....	615.01	146.38
		<i>For 150 LB Rating, Add</i>	125.12	
		<i>For 250 LB Rating, Add</i>	215.73	
		<i>For 300 LB Rating, ASTM A182, Add</i>	523.24	
		<i>For Chain Operated Type, Add</i>	215.73	
		<i>For Work In Restricted Working Space, Add</i>	55.07	
		<i>For Work In Restricted Working Space, Add</i>	55.07	
23 05 23 00-0336	EA	3" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve.....	681.30	171.63
		<i>For 150 LB Rating, Add</i>	135.29	
		<i>For 250 LB Rating, Add</i>	233.25	
		<i>For 300 LB Rating, ASTM A182, Add</i>	573.90	
		<i>For Chain Operated Type, Add</i>	233.25	
		<i>For Work In Restricted Working Space, Add</i>	64.44	
		<i>For Work In Restricted Working Space, Add</i>	64.44	
23 05 23 00-0337	EA	4" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve.....	1,015.80	287.72
		<i>For Work In Restricted Working Space, Add</i>	108.17	
23 05 23 00-0338	EA	6" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve.....	2,205.13	341.60
		<i>For Work In Restricted Working Space, Add</i>	128.56	
23 05 23 00-0339	EA	8" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve.....	3,694.42	436.49
		<i>For Work In Restricted Working Space, Add</i>	162.67	
<b>23 05 23 00-0340</b>		<b>Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valves</b> <small>(23 05 23 00-0313)</small>		
23 05 23 00-0341	EA	1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve.....	40.49	10.96
		<i>For True Union Socket Or Thread Type, Add</i>	3.90	
		<i>For Work In Restricted Working Space, Add</i>	10.61	
23 05 23 00-0342	EA	3/4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve.....	53.56	12.06
		<i>For True Union Socket Or Thread Type, Add</i>	4.86	
		<i>For Work In Restricted Working Space, Add</i>	14.30	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0343	EA		1" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve..... <i>For True Union Socket Or Thread Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	65.91 6.31 17.31	13.70
23 05 23 00-0344	EA		1-1/4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve..... <i>For True Union Socket Or Thread Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	83.88 8.15 21.93	14.58
23 05 23 00-0345	EA		1-1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve..... <i>For True Union Socket Or Thread Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	103.10 11.94 25.30	16.88
23 05 23 00-0346	EA		2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve..... <i>For True Union Socket Or Thread Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	123.58 14.80 29.90	19.95
23 05 23 00-0347	EA		2-1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve..... <i>For True Union Socket Or Thread Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	186.08 27.66 40.38	26.96
23 05 23 00-0348	EA		3" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve..... <i>For True Union Socket Or Thread Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	242.83 43.16 46.59	31.29
23 05 23 00-0349	EA		4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve..... <i>For True Union Socket Or Thread Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	344.01 76.21 53.00	35.33
<b>23 05 23 00-0350</b>			<b>Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valves</b> <small>(23 05 23 00-0313)</small>		
23 05 23 00-0351	EA		1/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve ..... <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	85.26 16.82 14.37	16.44
23 05 23 00-0352	EA		3/8" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve ..... <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	87.77 16.82 15.12	16.44
23 05 23 00-0353	EA		1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve ..... <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	90.41 16.82 15.91	16.44
23 05 23 00-0354	EA		3/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve ..... <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	111.12 17.83 21.45	18.09
23 05 23 00-0355	EA		1" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve ..... <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	145.24 26.41 25.97	20.56
23 05 23 00-0356	EA		1-1/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve ..... <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	189.95 36.15 32.89	21.87
23 05 23 00-0357	EA		1-1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve ..... <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	233.30 48.06 37.95	25.32
23 05 23 00-0358	EA		2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve ..... <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	323.31 78.22 44.84	29.93
23 05 23 00-0359	EA		2-1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve ..... <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	623.75 189.83 60.57	40.43
23 05 23 00-0360	EA		3" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve ..... <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	902.84 301.44 69.89	46.94
<b>23 05 23 00-0361</b>			<b>Threaded, 150 LB, Full Port, Stainless Steel Body, Ball Valves</b> <small>(23 05 23 00-0313)</small>		
23 05 23 00-0362	EA		1/2" Threaded, 150 LB, Full Port, Stainless Steel Body, Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	94.01 10.61	10.96
23 05 23 00-0363	EA		3/4" Threaded, 150 LB, Full Port, Stainless Steel Body, Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	131.63 14.30	12.06
23 05 23 00-0364	EA		1" Threaded, 150 LB, Full Port, Stainless Steel Body, Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	169.66 17.31	13.70
23 05 23 00-0365	EA		1-1/4" Threaded, 150 LB, Full Port, Stainless Steel Body, Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	234.36 21.93	14.58
23 05 23 00-0366	EA		1-1/2" Threaded, 150 LB, Full Port, Stainless Steel Body, Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	300.24 25.30	16.88
23 05 23 00-0367	EA		2" Threaded, 150 LB, Full Port, Stainless Steel Body, Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	403.54 29.90	19.95
23 05 23 00-0368	EA		2-1/2" Threaded, 150 LB, Full Port, Stainless Steel Body, Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	794.35 40.38	26.96
23 05 23 00-0369	EA		3" Threaded, 150 LB, Full Port, Stainless Steel Body, Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	1,074.93 46.59	31.29
<b>23 05 23 00-0370</b>			<b>Crimped Bronze, Ball Valves</b> <small>(23 05 23 00-0313)</small>		
<b>23 05 23 00-0371</b>			<b>Crimped Bronze, 250 PSI, Ball Valves</b> <small>(23 05 23 00-0370)</small>		
			Note: Nibco®		
23 05 23 00-0372	EA		1/2" Crimped Bronze, 250 PSI, Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	80.08 7.40	10.96
23 05 23 00-0373	EA		3/4" Crimped Bronze, 250 PSI, Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	103.60 8.43	12.06
23 05 23 00-0374	EA		1" Crimped Bronze, 250 PSI, Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	132.96 10.07	13.70
23 05 23 00-0375	EA		1-1/4" Crimped Bronze, 250 PSI, Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	214.76 11.10	14.58

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 05 23 00-0376	EA	1-1/2" Crimped Bronze, 250 PSI, Ball Valve.....	283.83		16.88
		<i>For Work In Restricted Working Space, Add</i>	12.33		
23 05 23 00-0377	EA	2" Crimped Bronze, 250 PSI, Ball Valve.....	427.74		19.95
		<i>For Work In Restricted Working Space, Add</i>	14.80		
<b>23 05 23 00-0378</b>		<b>Crimped Bronze, 200 PSI, Full Port Ball Valves</b> (23 05 23 00-0370)			
23 05 23 00-0379	EA	1/2" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve.....	52.35		10.96
23 05 23 00-0380	EA	3/4" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve.....	66.99		12.06
23 05 23 00-0381	EA	1" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve.....	81.46		13.70
23 05 23 00-0382	EA	1-1/4" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve.....	114.82		14.58
23 05 23 00-0383	EA	1-1/2" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve.....	148.85		16.88
23 05 23 00-0384	EA	2" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve.....	221.42		19.95
<b>23 05 23 00-0385</b>		<b>Crimped Bronze, 250 PSI, Full Port Ball Valves</b> (23 05 23 00-0370)			
23 05 23 00-0386	EA	1/2" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve.....	60.58		10.96
23 05 23 00-0387	EA	3/4" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve.....	72.98		12.06
23 05 23 00-0388	EA	1" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve.....	91.03		13.70
23 05 23 00-0389	EA	1-1/4" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve.....	144.74		14.58
23 05 23 00-0390	EA	1-1/2" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve.....	213.20		16.88
23 05 23 00-0391	EA	2" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve.....	296.23		19.95
<b>23 05 23 00-0392</b>		<b>Crimped x Threaded Bronze, 250 PSI, Full Port Ball Valves</b> (23 05 23 00-0370)			
23 05 23 00-0393	EA	1/2" Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve.....	58.34		10.96
23 05 23 00-0394	EA	3/4" Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve.....	70.89		12.06
23 05 23 00-0395	EA	1" Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve.....	86.24		13.70
<b>23 05 23 00-0396</b>		<b>Globe Valves</b> (23 05 23)			
<b>23 05 23 00-0397</b>		<b>Threaded Or Sweated, 125 LB, Bronze Body, Globe Valves</b> (23 05 23 00-0396)			
23 05 23 00-0398	EA	1/8" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve.....	70.43		10.96
		<i>For 150 LB Rating, Add</i>	10.87		
		<i>For 200 LB Rating, Add</i>	13.32		
		<i>For 250 LB Rating, Add</i>	15.78		
		<i>For 300 LB Rating, Add</i>	19.28		
		<i>For Work In Restricted Working Space, Add</i>	10.61		
23 05 23 00-0399	EA	1/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve.....	66.98		10.96
		<i>For 150 LB Rating, Add</i>	10.87		
		<i>For 200 LB Rating, Add</i>	13.32		
		<i>For 250 LB Rating, Add</i>	15.78		
		<i>For 300 LB Rating, Add</i>	19.28		
		<i>For Work In Restricted Working Space, Add</i>	9.58		
23 05 23 00-0400	EA	3/8" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve.....	85.94		10.96
		<i>For 150 LB Rating, Add</i>	16.23		
		<i>For 200 LB Rating, Add</i>	19.89		
		<i>For 250 LB Rating, Add</i>	23.55		
		<i>For 300 LB Rating, Add</i>	28.79		
		<i>For Work In Restricted Working Space, Add</i>	10.08		
23 05 23 00-0401	EA	1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve.....	87.71		10.96
		<i>For 150 LB Rating, Add</i>	16.23		
		<i>For 200 LB Rating, Add</i>	19.89		
		<i>For 250 LB Rating, Add</i>	23.55		
		<i>For 300 LB Rating, Add</i>	28.79		
		<i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i>	71.72		
		<i>For Work In Restricted Working Space, Add</i>	10.61		
23 05 23 00-0402	EA	3/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve.....	104.39		11.51
		<i>For 150 LB Rating, Add</i>	17.59		
		<i>For 200 LB Rating, Add</i>	21.56		
		<i>For 250 LB Rating, Add</i>	25.53		
		<i>For 300 LB Rating, Add</i>	31.20		
		<i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i>	81.47		
		<i>For Work In Restricted Working Space, Add</i>	14.30		
23 05 23 00-0403	EA	1" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve.....	134.38		11.51
		<i>For 150 LB Rating, Add</i>	23.77		
		<i>For 200 LB Rating, Add</i>	29.14		
		<i>For 250 LB Rating, Add</i>	34.51		
		<i>For 300 LB Rating, Add</i>	42.17		
		<i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i>	107.43		
		<i>For Work In Restricted Working Space, Add</i>	17.31		
23 05 23 00-0404	EA	1-1/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve.....	205.52		14.58
		<i>For 150 LB Rating, Add</i>	41.05		
		<i>For 200 LB Rating, Add</i>	50.32		
		<i>For 250 LB Rating, Add</i>	59.59		
		<i>For 300 LB Rating, Add</i>	72.84		
		<i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i>	174.91		
		<i>For Work In Restricted Working Space, Add</i>	21.93		
23 05 23 00-0405	EA	1-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve.....	273.60		16.88
		<i>For 150 LB Rating, Add</i>	58.67		
		<i>For 200 LB Rating, Add</i>	71.92		
		<i>For 250 LB Rating, Add</i>	85.17		
		<i>For 300 LB Rating, Add</i>	104.10		
		<i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i>	241.93		
		<i>For Work In Restricted Working Space, Add</i>	25.30		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0406	EA		2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve.....	322.16	19.95
			For 150 LB Rating, Add	68.98	
			For 200 LB Rating, Add	84.55	
			For 250 LB Rating, Add	100.13	
			For 300 LB Rating, Add	122.38	
			For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	284.61	
			For Work In Restricted Working Space, Add	29.90	
23 05 23 00-0407	EA		2-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve.....	358.94	26.96
			For 150 LB Rating, Add	69.54	
			For 200 LB Rating, Add	85.25	
			For 250 LB Rating, Add	100.95	
			For 300 LB Rating, Add	123.38	
			For Work In Restricted Working Space, Add	40.38	
23 05 23 00-0408	EA		3" Globe Valve, Bronze, Threaded Or Soldered, 125 LB.....	657.90	31.29
			For 150 LB Rating, Add	155.80	
			For 200 LB Rating, Add	190.98	
			For 250 LB Rating, Add	226.17	
			For 300 LB Rating, Add	276.42	
			For Work In Restricted Working Space, Add	46.59	
<b>23 05 23 00-0409</b>			<b>Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valves (23 05 23 00-0396)</b>		
23 05 23 00-0410	EA		2" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	490.58	19.95
			For 150 LB Rating, Add	121.19	
			For 200 LB Rating, Add	148.55	
			For 250 LB Rating, Add	175.91	
			For 300 LB Rating, Add	215.01	
			For Chain Operated Type, Add	326.42	
			For Work In Restricted Working Space, Add	29.90	
23 05 23 00-0411	EA		2-1/2" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	608.45	26.96
			For 150 LB Rating, Add	146.89	
			For 200 LB Rating, Add	180.06	
			For 250 LB Rating, Add	213.23	
			For 300 LB Rating, Add	260.61	
			For Chain Operated Type, Add	395.66	
			For Work In Restricted Working Space, Add	40.38	
23 05 23 00-0412	EA		3" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	723.92	31.29
			For 150 LB Rating, Add	176.27	
			For 200 LB Rating, Add	216.07	
			For 250 LB Rating, Add	255.87	
			For 300 LB Rating, Add	312.74	
			For Chain Operated Type, Add	474.79	
			For Work In Restricted Working Space, Add	46.59	
23 05 23 00-0413	EA		4" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	934.77	35.33
			For 150 LB Rating, Add	235.03	
			For 200 LB Rating, Add	288.10	
			For 250 LB Rating, Add	341.17	
			For 300 LB Rating, Add	416.98	
			For Chain Operated Type, Add	633.06	
			For Work In Restricted Working Space, Add	52.99	
<b>23 05 23 00-0414</b>			<b>Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valves (23 05 23 00-0396)</b>		
23 05 23 00-0415	EA		2" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	399.95	146.13
			For 150 LB Rating, Add	67.34	
			For 250 LB Rating, Add	97.76	
			For Chain Operated Type, Add	108.62	
			For Work In Restricted Working Space, Add	54.81	
23 05 23 00-0416	EA		2-1/2" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	448.38	146.38
			For 150 LB Rating, Add	82.10	
			For 250 LB Rating, Add	119.17	
			For Chain Operated Type, Add	132.42	
			For Work In Restricted Working Space, Add	55.07	
23 05 23 00-0417	EA		3" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	532.59	171.63
			For 150 LB Rating, Add	98.51	
			For 250 LB Rating, Add	143.01	
			For Chain Operated Type, Add	158.90	
			For Work In Restricted Working Space, Add	64.44	
23 05 23 00-0418	EA		4" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	784.27	287.72
			For 150 LB Rating, Add	131.35	
			For 250 LB Rating, Add	190.67	
			For Chain Operated Type, Add	211.86	
			For Work In Restricted Working Space, Add	108.17	
23 05 23 00-0419	EA		5" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	972.95	307.44
			For 150 LB Rating, Add	182.66	
			For 250 LB Rating, Add	265.16	
			For Chain Operated Type, Add	294.62	
			For Work In Restricted Working Space, Add	115.11	
23 05 23 00-0420	EA		6" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	1,173.36	341.60
			For 150 LB Rating, Add	230.90	
			For 250 LB Rating, Add	335.17	
			For Chain Operated Type, Add	372.42	
			For Work In Restricted Working Space, Add	128.56	
23 05 23 00-0421	EA		8" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	1,687.60	436.49
			For 150 LB Rating, Add	355.07	
			For 250 LB Rating, Add	515.42	
			For Chain Operated Type, Add	572.69	
			For Work In Restricted Working Space, Add	162.67	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 05 Common Work Results for HVAC**

**23 05 23 General-Duty Valves For HVAC Piping**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 05 23 00-0422	EA 10" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve .....	2,408.77	531.38
	For 150 LB Rating, Add	540.81	
	For 250 LB Rating, Add	785.05	
	For Chain Operated Type, Add	872.28	
	For Work In Restricted Working Space, Add	199.27	
23 05 23 00-0423	EA 12" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve .....	4,106.27	645.24
	For 150 LB Rating, Add	1,023.36	
	For 250 LB Rating, Add	1,485.52	
	For Chain Operated Type, Add	1,650.58	
	For Work In Restricted Working Space, Add	241.53	
<b>23 05 23 00-0424</b>	<b>Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valves (23 05 23 00-0396)</b>		
23 05 23 00-0425	EA 1/8" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve .....	61.93	10.96
	For 150 LB Rating, Add	8.23	
	For 200 LB Rating, Add	10.09	
	For 300 LB Rating, Add	14.61	
	For Work In Restricted Working Space, Add	10.61	
23 05 23 00-0426	EA 1/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve .....	58.48	10.96
	For 150 LB Rating, Add	8.23	
	For 200 LB Rating, Add	10.09	
	For 300 LB Rating, Add	14.61	
	For Work In Restricted Working Space, Add	9.58	
23 05 23 00-0427	EA 3/8" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve .....	60.16	10.96
	For 150 LB Rating, Add	8.23	
	For 200 LB Rating, Add	10.09	
	For 300 LB Rating, Add	14.61	
	For Work In Restricted Working Space, Add	10.08	
23 05 23 00-0428	EA 1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve .....	63.70	10.96
	For 150 LB Rating, Add	8.78	
	For 200 LB Rating, Add	10.77	
	For 300 LB Rating, Add	15.58	
	For Work In Restricted Working Space, Add	10.61	
23 05 23 00-0429	EA 3/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve .....	86.95	11.51
	For 150 LB Rating, Add	12.18	
	For 200 LB Rating, Add	14.93	
	For 300 LB Rating, Add	21.61	
	For Work In Restricted Working Space, Add	14.30	
23 05 23 00-0430	EA 1" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve .....	109.25	11.51
	For 150 LB Rating, Add	15.98	
	For 200 LB Rating, Add	19.59	
	For 300 LB Rating, Add	28.35	
	For Work In Restricted Working Space, Add	17.31	
23 05 23 00-0431	EA 1-1/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve .....	149.67	14.58
	For 150 LB Rating, Add	23.74	
	For 200 LB Rating, Add	29.10	
	For 300 LB Rating, Add	42.12	
	For Work In Restricted Working Space, Add	21.93	
23 05 23 00-0432	EA 1-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve .....	173.62	16.88
	For 150 LB Rating, Add	27.68	
	For 200 LB Rating, Add	33.93	
	For 300 LB Rating, Add	49.11	
	For Work In Restricted Working Space, Add	25.30	
23 05 23 00-0433	EA 2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve .....	234.14	19.95
	For 150 LB Rating, Add	41.69	
	For 200 LB Rating, Add	51.10	
	For 300 LB Rating, Add	73.96	
	For Work In Restricted Working Space, Add	29.90	
23 05 23 00-0434	EA 2-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve .....	388.75	29.27
	For 150 LB Rating, Add	75.20	
	For 200 LB Rating, Add	92.18	
	For 300 LB Rating, Add	133.42	
	For Work In Restricted Working Space, Add	43.85	
23 05 23 00-0435	EA 3" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve .....	579.48	33.99
	For 150 LB Rating, Add	127.35	
	For 200 LB Rating, Add	156.11	
	For 300 LB Rating, Add	225.95	
	For Work In Restricted Working Space, Add	50.60	
<b>23 05 23 00-0436</b>	<b>Flanged, 125 LB, Iron Body, Angle Globe Valves (23 05 23 00-0396)</b>		
23 05 23 00-0437	EA 2" Flanged, 125 LB, Iron Body, Angle Globe Valve .....	741.63	146.13
	For 250 LB Rating, Add	335.35	
	For Chain Operated Type, Add	217.98	
	For Work In Restricted Working Space, Add	54.81	
23 05 23 00-0438	EA 2-1/2" Flanged, 125 LB, Iron Body, Angle Globe Valve .....	844.57	146.38
	For 250 LB Rating, Add	396.61	
	For Chain Operated Type, Add	257.80	
	For Work In Restricted Working Space, Add	55.07	
23 05 23 00-0439	EA 3" Flanged, 125 LB, Iron Body, Angle Globe Valve .....	993.77	171.63
	For 250 LB Rating, Add	467.38	
	For Chain Operated Type, Add	303.80	
	For Work In Restricted Working Space, Add	64.44	
23 05 23 00-0440	EA 4" Flanged, 125 LB, Iron Body, Angle Globe Valve .....	1,473.14	287.72
	For 250 LB Rating, Add	667.55	
	For Chain Operated Type, Add	433.91	
	For Work In Restricted Working Space, Add	108.17	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0441	EA		5" Flanged, 125 LB, Iron Body, Angle Globe Valve ..... <i>For 250 LB Rating, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,377.67 1,196.38 777.64 115.11	307.44
23 05 23 00-0442	EA		6" Flanged, 125 LB, Iron Body, Angle Globe Valve ..... <i>For 250 LB Rating, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,422.49 1,196.38 777.64 128.56	341.60
23 05 23 00-0443	EA		8" Flanged, 125 LB, Iron Body, Angle Globe Valve ..... <i>For 250 LB Rating, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,444.80 2,341.55 1,522.01 162.67	436.49
<b>23 05 23 00-0444</b>			<b>Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valves</b> <small>(23 05 23 00-0396)</small> Note: 800 PSIG at 850 degrees F.		
23 05 23 00-0445	EA		1/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve ..... <i>For Work In Restricted Working Space, Add</i>	201.81 9.58	17.76
23 05 23 00-0446	EA		1/2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve ..... <i>For Work In Restricted Working Space, Add</i>	205.26 10.61	17.76
23 05 23 00-0447	EA		3/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve ..... <i>For Work In Restricted Working Space, Add</i>	240.94 14.30	23.90
23 05 23 00-0448	EA		1" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve ..... <i>For Work In Restricted Working Space, Add</i>	297.74 17.31	28.83
23 05 23 00-0449	EA		1-1/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve ..... <i>For Work In Restricted Working Space, Add</i>	484.58 21.93	36.50
23 05 23 00-0450	EA		1-1/2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve ..... <i>For Work In Restricted Working Space, Add</i>	581.55 25.30	42.20
23 05 23 00-0451	EA		2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve ..... <i>For Work In Restricted Working Space, Add</i>	740.27 29.90	49.88
<b>23 05 23 00-0452</b>			<b>Check Valves</b> <small>(23 05 23)</small>		
<b>23 05 23 00-0453</b>			<b>Iron Body Wafer Type Check Valve</b> <small>(23 05 23 00-0452)</small>		
<b>23 05 23 00-0454</b>			<b>Single Disk Type</b> <small>(23 05 23 00-0453)</small>		
23 05 23 00-0455	EA		2" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB ..... <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	453.41 56.83 67.66 81.19 158.34	146.19
23 05 23 00-0456	EA		2-1/2" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB ..... <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	538.21 74.46 88.64 106.37 196.28	146.47
23 05 23 00-0457	EA		3" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB ..... <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	663.08 94.11 112.04 134.45 244.66	171.73
23 05 23 00-0458	EA		4" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB ..... <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	967.76 127.47 151.75 182.10 345.30	287.89
23 05 23 00-0459	EA		6" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB ..... <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	1,455.84 199.66 237.70 285.23 528.86	404.06
23 05 23 00-0460	EA		8" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB ..... <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	2,037.80 306.41 364.77 437.72 772.33	464.66
23 05 23 00-0461	EA		10" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB ..... <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	3,042.71 489.39 582.61 699.13 1,191.15	565.68
<b>23 05 23 00-0462</b>			<b>Twin Disc Type</b> <small>(23 05 23 00-0453)</small>		
23 05 23 00-0463	EA		2" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB ..... <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	574.29 82.22 97.88 117.45 212.73	146.19
23 05 23 00-0464	EA		2-1/2" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB ..... <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	653.50 98.67 117.46 140.96 248.16	146.47

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 05 Common Work Results for HVAC**

**23 05 23 General-Duty Valves For HVAC Piping**



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 05 23 00-0465	EA	3" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	763.12	171.73
		<i>For 150 LB Rating, Add</i>	115.12	
		<i>For 200 LB Rating, Add</i>	137.05	
		<i>For 300 LB Rating, Add</i>	164.46	
		<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	289.67	
23 05 23 00-0466	EA	4" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	1,056.94	287.89
		<i>For 150 LB Rating, Add</i>	146.20	
		<i>For 200 LB Rating, Add</i>	174.05	
		<i>For 300 LB Rating, Add</i>	208.85	
		<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	385.43	
23 05 23 00-0467	EA	6" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	1,627.68	404.06
		<i>For 150 LB Rating, Add</i>	235.75	
		<i>For 200 LB Rating, Add</i>	280.66	
		<i>For 300 LB Rating, Add</i>	336.79	
		<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	606.19	
23 05 23 00-0468	EA	8" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	2,291.64	464.66
		<i>For 150 LB Rating, Add</i>	360.03	
		<i>For 200 LB Rating, Add</i>	428.61	
		<i>For 300 LB Rating, Add</i>	514.33	
		<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	886.94	
23 05 23 00-0469	EA	10" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	3,422.51	555.57
		<i>For 150 LB Rating, Add</i>	570.18	
		<i>For 200 LB Rating, Add</i>	678.79	
		<i>For 300 LB Rating, Add</i>	814.54	
		<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	1,363.29	
23 05 23 00-0470	EA	12" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	4,493.73	686.88
		<i>For 150 LB Rating, Add</i>	763.91	
		<i>For 200 LB Rating, Add</i>	909.42	
		<i>For 300 LB Rating, Add</i>	1,091.31	
		<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	1,808.17	
23 05 23 00-0471	EA	14" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	8,472.90	806.84
		<i>For 150 LB Rating, Add</i>	1,553.39	
		<i>For 200 LB Rating, Add</i>	1,849.28	
		<i>For 300 LB Rating, Add</i>	2,219.13	
		<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	3,543.86	
23 05 23 00-0472	EA	16" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	11,626.35	946.69
		<i>For 150 LB Rating, Add</i>	2,193.03	
		<i>For 200 LB Rating, Add</i>	2,610.75	
		<i>For 300 LB Rating, Add</i>	3,132.89	
		<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	4,936.02	
23 05 23 00-0473	EA	18" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	15,493.75	1,054.27
		<i>For 150 LB Rating, Add</i>	2,977.57	
		<i>For 200 LB Rating, Add</i>	3,544.73	
		<i>For 300 LB Rating, Add</i>	4,253.67	
		<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	6,643.48	
23 05 23 00-0474	EA	20" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	18,435.42	1,183.37
		<i>For 150 LB Rating, Add</i>	3,560.80	
		<i>For 200 LB Rating, Add</i>	4,239.05	
		<i>For 300 LB Rating, Add</i>	5,086.86	
		<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	7,926.13	
23 05 23 00-0475	EA	24" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	24,100.44	1,452.32
		<i>For 150 LB Rating, Add</i>	4,678.77	
		<i>For 200 LB Rating, Add</i>	5,569.97	
		<i>For 300 LB Rating, Add</i>	6,683.96	
		<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	10,390.06	

**23 05 23 00-0476 Lift Check Valves (23 05 23 00-0452)**

**23 05 23 00-0477 Bronze Body, Threaded, Vertical Lift Check Valves (23 05 23 00-0476)**

Note: Watts #600 series.

23 05 23 00-0478	EA	3/8" Lift Check Valve, Bronze, Threaded	115.91	10.96
23 05 23 00-0479	EA	1/2" Lift Check Valve, Bronze, Threaded	122.65	10.96
23 05 23 00-0480	EA	3/4" Lift Check Valve, Bronze, Threaded	156.37	11.51
23 05 23 00-0481	EA	1" Lift Check Valve, Bronze, Threaded	206.06	11.51
23 05 23 00-0482	EA	1-1/4" Lift Check Valve, Bronze, Threaded	285.74	14.58
23 05 23 00-0483	EA	1-1/2" Lift Check Valve, Bronze, Threaded	347.64	16.88
23 05 23 00-0484	EA	2" Lift Check Valve, Bronze, Threaded	495.56	19.95

**23 05 23 00-0485 Bronze Body, Threaded, 300 LB, Lift Check Valves (23 05 23 00-0476)**

Note: Crane 366E.

23 05 23 00-0486	EA	1/2" Lift Check Valve, Bronze, Threaded, 300 LB	719.01	10.96
23 05 23 00-0487	EA	3/4" Lift Check Valve, Bronze, Threaded, 300 LB	873.33	11.51
23 05 23 00-0488	EA	1" Lift Check Valve, Bronze, Threaded, 300 LB	1,567.05	11.51
23 05 23 00-0489	EA	1-1/4" Lift Check Valve, Bronze, Threaded, 300 LB	2,088.50	14.58
23 05 23 00-0490	EA	1-1/2" Lift Check Valve, Bronze, Threaded, 300 LB	2,268.46	16.88
23 05 23 00-0491	EA	2" Lift Check Valve, Bronze, Threaded, 300 LB	2,914.11	19.95

**23 05 23 00-0492 Iron Body, Flanged, 125 LB Vertical Lift Check Valves (23 05 23 00-0476)**

Note: Mueller 105MAP.

23 05 23 00-0493	EA	2" Lift Check Valve, Iron Body, Flanged, 125 LB	1,049.33	146.13
23 05 23 00-0494	EA	2-1/2" Lift Check Valve, Iron Body, Flanged, 125 LB	986.32	146.38
23 05 23 00-0495	EA	3" Lift Check Valve, Iron Body, Flanged, 125 LB	1,080.37	171.63
23 05 23 00-0496	EA	4" Lift Check Valve, Iron Body, Flanged, 125 LB	1,523.74	287.72
23 05 23 00-0497	EA	5" Lift Check Valve, Iron Body, Flanged, 125 LB	1,880.02	307.44
23 05 23 00-0498	EA	6" Lift Check Valve, Iron Body, Flanged, 125 LB	2,303.02	341.60
23 05 23 00-0499	EA	8" Lift Check Valve, Iron Body, Flanged, 125 LB	3,973.09	436.49

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0500	EA		10" Lift Check Valve, Iron Body, Flanged, 125 LB .....	4,983.86	531.38
23 05 23 00-0501	EA		12" Lift Check Valve, Iron Body, Flanged, 125 LB .....	7,991.78	645.24
23 05 23 00-0502	EA		14" Lift Check Valve, Iron Body, Flanged, 125 LB .....	10,937.84	917.03
23 05 23 00-0503	EA		16" Lift Check Valve, Iron Body, Flanged, 125 LB .....	12,117.36	1,008.73
<b>23 05 23 00-0504</b>			<b>Bronze Body Swing Check Valves</b> <small>(23 05 23 00-0452)</small>		
<b>23 05 23 00-0505</b>			<b>Bronze Body, Threaded, Brazed Or Soldered Installation, 125 LB, Swing Check Valves</b> <small>(23 05 23 00-0504)</small>		
23 05 23 00-0506	EA		1/8" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB .....	78.58	10.96
			<i>For 300 LB Rating, Add</i>	16.85	
			<i>For Work In Restricted Working Space, Add</i>	10.61	
23 05 23 00-0507	EA		1/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB .....	75.13	10.96
			<i>For 300 LB Rating, Add</i>	16.85	
			<i>For Work In Restricted Working Space, Add</i>	9.58	
23 05 23 00-0508	EA		3/8" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB .....	76.81	10.96
			<i>For 300 LB Rating, Add</i>	16.85	
			<i>For Work In Restricted Working Space, Add</i>	10.08	
23 05 23 00-0509	EA		1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB .....	80.27	10.96
			<i>For 300 LB Rating, Add</i>	17.51	
			<i>For Work In Restricted Working Space, Add</i>	10.61	
23 05 23 00-0510	EA		3/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB .....	102.06	11.51
			<i>For 300 LB Rating, Add</i>	21.22	
			<i>For Work In Restricted Working Space, Add</i>	14.30	
23 05 23 00-0511	EA		1" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB .....	131.57	11.51
			<i>For 300 LB Rating, Add</i>	28.81	
			<i>For Work In Restricted Working Space, Add</i>	17.31	
23 05 23 00-0512	EA		1-1/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB .....	176.79	14.58
			<i>For 300 LB Rating, Add</i>	40.44	
			<i>For Work In Restricted Working Space, Add</i>	21.93	
23 05 23 00-0513	EA		1-1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB .....	229.54	16.88
			<i>For 300 LB Rating, Add</i>	56.63	
			<i>For Work In Restricted Working Space, Add</i>	25.30	
23 05 23 00-0514	EA		2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB .....	286.36	19.95
			<i>For 300 LB Rating, Add</i>	72.81	
			<i>For Work In Restricted Working Space, Add</i>	29.90	
23 05 23 00-0515	EA		2-1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB .....	563.79	26.96
			<i>For 300 LB Rating, Add</i>	167.38	
			<i>For Work In Restricted Working Space, Add</i>	40.38	
23 05 23 00-0516	EA		3" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB .....	765.72	31.29
			<i>For 300 LB Rating, Add</i>	238.06	
			<i>For Work In Restricted Working Space, Add</i>	46.59	
23 05 23 00-0517	EA		4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB .....	867.41	35.33
			<i>For 300 LB Rating, Add</i>	269.39	
			<i>For Work In Restricted Working Space, Add</i>	53.00	
<b>23 05 23 00-0518</b>			<b>125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves</b> <small>(23 05 23 00-0452)</small>		
23 05 23 00-0519	EA		1" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves .....	332.28	82.21
			<i>For 150 LB Rating, Add</i>	155.62	
			<i>For 250 LB Rating, Add</i>	297.52	
			<i>For Work In Restricted Working Space, Add</i>	31.03	
23 05 23 00-0520	EA		1-1/4" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves .....	371.30	95.92
			<i>For 150 LB Rating, Add</i>	171.46	
			<i>For 250 LB Rating, Add</i>	327.78	
			<i>For Work In Restricted Working Space, Add</i>	35.75	
23 05 23 00-0521	EA		1-1/2" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves .....	417.71	115.10
			<i>For 150 LB Rating, Add</i>	185.96	
			<i>For 250 LB Rating, Add</i>	355.51	
			<i>For Work In Restricted Working Space, Add</i>	43.27	
23 05 23 00-0522	EA		2" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves .....	522.36	146.13
			<i>For 150 LB Rating, Add</i>	230.96	
			<i>For 250 LB Rating, Add</i>	441.55	
			<i>For Work In Restricted Working Space, Add</i>	54.81	
23 05 23 00-0523	EA		2-1/2" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves .....	579.94	146.38
			<i>For 150 LB Rating, Add</i>	269.55	
			<i>For 250 LB Rating, Add</i>	515.31	
			<i>For Work In Restricted Working Space, Add</i>	55.07	
23 05 23 00-0524	EA		3" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves .....	645.56	171.63
			<i>For 150 LB Rating, Add</i>	292.92	
			<i>For 250 LB Rating, Add</i>	559.99	
			<i>For Work In Restricted Working Space, Add</i>	64.44	
23 05 23 00-0525	EA		4" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves .....	1,026.26	287.72
			<i>For 150 LB Rating, Add</i>	452.68	
			<i>For 250 LB Rating, Add</i>	865.42	
			<i>For Work In Restricted Working Space, Add</i>	108.17	
23 05 23 00-0526	EA		5" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves .....	1,361.10	307.44
			<i>For 150 LB Rating, Add</i>	664.63	
			<i>For 250 LB Rating, Add</i>	1,270.61	
			<i>For Work In Restricted Working Space, Add</i>	115.11	
23 05 23 00-0527	EA		6" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves .....	1,561.77	341.60
			<i>For 150 LB Rating, Add</i>	770.60	
			<i>For 250 LB Rating, Add</i>	1,473.21	
			<i>For Work In Restricted Working Space, Add</i>	128.56	
23 05 23 00-0528	EA		8" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves .....	3,371.50	436.49
			<i>For 150 LB Rating, Add</i>	1,923.91	
			<i>For 250 LB Rating, Add</i>	3,678.06	
			<i>For Work In Restricted Working Space, Add</i>	162.67	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0529	EA		10" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves .....	4,515.48	531.38
			<i>For 150 LB Rating, Add</i>	2,618.86	
			<i>For 250 LB Rating, Add</i>	5,006.64	
			<i>For Work In Restricted Working Space, Add</i>	199.27	
23 05 23 00-0530	EA		12" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves .....	6,810.96	645.24
			<i>For 150 LB Rating, Add</i>	4,083.98	
			<i>For 250 LB Rating, Add</i>	7,807.61	
			<i>For Work In Restricted Working Space, Add</i>	241.53	
23 05 23 00-0531	EA		14" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves .....	7,945.73	917.03
			<i>For 150 LB Rating, Add</i>	4,623.63	
			<i>For 250 LB Rating, Add</i>	8,839.29	
			<i>For Work In Restricted Working Space, Add</i>	343.88	
23 05 23 00-0532	EA		16" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves .....	11,164.26	1,008.73
			<i>For 150 LB Rating, Add</i>	6,734.28	
			<i>For 250 LB Rating, Add</i>	12,874.36	
			<i>For Work In Restricted Working Space, Add</i>	378.27	
23 05 23 00-0533	EA		18" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves .....	16,963.74	1,118.77
			<i>For 150 LB Rating, Add</i>	10,584.39	
			<i>For 250 LB Rating, Add</i>	20,234.86	
			<i>For Work In Restricted Working Space, Add</i>	419.54	
23 05 23 00-0534	EA		20" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves .....	23,240.39	1,260.91
			<i>For 150 LB Rating, Add</i>	14,731.70	
			<i>For 250 LB Rating, Add</i>	28,163.54	
			<i>For Work In Restricted Working Space, Add</i>	472.84	
23 05 23 00-0535	EA		24" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves .....	32,262.95	1,547.48
			<i>For 150 LB Rating, Add</i>	20,623.45	
			<i>For 250 LB Rating, Add</i>	39,427.18	
			<i>For Work In Restricted Working Space, Add</i>	580.31	
<b>23 05 23 00-0536</b>			<b>Class 800 Forged Steel, Screwed, Chrome Trim, Bolted Bonnet, Piston</b>		
			<b>Check, Swing Check Valves</b> (23 05 23 00-0452)		
			Note: 800 PSIG at 850 Degrees F.		
23 05 23 00-0537	EA		1/2" Class 800, Threaded, Forged Steel Swing Check Valve .....	185.00	10.96
			<i>For Work In Restricted Working Space, Add</i>	10.61	
23 05 23 00-0538	EA		3/4" 800, Threaded, Forged Steel Swing Check Valve .....	217.56	12.06
			<i>For Work In Restricted Working Space, Add</i>	14.30	
23 05 23 00-0539	EA		1" Class 800, Threaded, Forged Steel Swing Check Valve .....	257.21	13.70
			<i>For Work In Restricted Working Space, Add</i>	17.31	
23 05 23 00-0540	EA		1-1/4" Class 800, Threaded, Forged Steel Swing Check Valve .....	399.37	14.58
			<i>For Work In Restricted Working Space, Add</i>	21.93	
23 05 23 00-0541	EA		1-1/2" 800, Threaded, Forged Steel Swing Check Valve .....	474.00	16.88
			<i>For Work In Restricted Working Space, Add</i>	25.30	
23 05 23 00-0542	EA		2" Class 800, Threaded, Forged Steel Swing Check Valve .....	642.08	19.95
			<i>For Work In Restricted Working Space, Add</i>	29.90	
<b>23 05 23 00-0543</b>			<b>Swing Check Valves, 150 LB Polyvinyl Chloride (PVC) Socket Weld End</b>		
			<b>Connections</b> (23 05 23 00-0452)		
23 05 23 00-0544	EA		1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB .....	56.33	10.96
			<i>For Work In Restricted Working Space, Add</i>	10.61	
23 05 23 00-0545	EA		3/4" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB .....	68.62	12.06
			<i>For Work In Restricted Working Space, Add</i>	14.30	
23 05 23 00-0546	EA		1" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB .....	79.48	13.70
			<i>For Work In Restricted Working Space, Add</i>	17.31	
23 05 23 00-0547	EA		1-1/4" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB .....	95.77	14.58
			<i>For Work In Restricted Working Space, Add</i>	21.93	
23 05 23 00-0548	EA		1-1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB .....	108.33	16.88
			<i>For Work In Restricted Working Space, Add</i>	25.30	
23 05 23 00-0549	EA		2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB .....	136.97	19.95
			<i>For Work In Restricted Working Space, Add</i>	29.90	
23 05 23 00-0550	EA		2-1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB .....	187.73	26.96
			<i>For Work In Restricted Working Space, Add</i>	40.38	
23 05 23 00-0551	EA		3" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB .....	224.24	31.29
			<i>For Work In Restricted Working Space, Add</i>	46.59	
<b>23 05 23 00-0552</b>			<b>Crimped Bronze, 200 PSI, Y-Pattern, Swing Check Valves</b> (23 05 23 00-0452)		
			Note: Nibco®		
23 05 23 00-0553	EA		1/2" Crimped Bronze, 200 PSI, Y-Pattern Check Valve .....	152.71	10.96
			<i>For Work In Restricted Working Space, Add</i>	7.40	
23 05 23 00-0554	EA		3/4" Crimped Bronze, 200 PSI, Y-Pattern Check Valve .....	194.37	12.06
			<i>For Work In Restricted Working Space, Add</i>	8.43	
23 05 23 00-0555	EA		1" Crimped Bronze, 200 PSI, Y-Pattern Check Valve .....	268.65	13.70
			<i>For Work In Restricted Working Space, Add</i>	10.07	
23 05 23 00-0556	EA		1-1/4" Crimped Bronze, 200 PSI, Y-Pattern Check Valve .....	358.07	14.58
			<i>For Work In Restricted Working Space, Add</i>	11.10	
23 05 23 00-0557	EA		1-1/2" Crimped Bronze, 200 PSI, Y-Pattern Check Valve .....	427.17	16.88
			<i>For Work In Restricted Working Space, Add</i>	12.33	
23 05 23 00-0558	EA		2" Crimped Bronze, 200 PSI, Y-Pattern Check Valve .....	611.22	19.95
			<i>For Work In Restricted Working Space, Add</i>	14.80	
<b>23 05 23 00-0559</b>			<b>Crimped Bronze, 250 PSI, In-Line, Check Valves</b> (23 05 23 00-0452)		
23 05 23 00-0560	EA		1/2" Crimped Bronze, 250 PSI, In-Line Check Valve .....	46.03	10.96
23 05 23 00-0561	EA		3/4" Crimped Bronze, 250 PSI, In-Line Check Valve .....	55.43	12.06
23 05 23 00-0562	EA		1" Crimped Bronze, 250 PSI, In-Line Check Valve .....	65.08	13.70
23 05 23 00-0563	EA		1-1/4" Crimped Bronze, 250 PSI, In-Line Check Valve .....	82.57	14.58

MINOR		DESCRIPTION		TOTAL DIRECT	DEMOLITION
CSI	UOM			UNIT COST	UNIT COST
23 05 23 00-0564	EA	1-1/2"	Crimped Bronze, 200 PSI, In-Line Check Valve.....	105.80	16.88
23 05 23 00-0565	EA	2"	Crimped Bronze, 200 PSI, In-Line Check Valve.....	167.05	19.95
<b>23 05 23 00-0566</b>			<b>Diaphragm Valves</b> <small>(23 05 23)</small>		
<b>23 05 23 00-0567</b>			<b>Polytetrafluoroethylene (PTFE) Or Viton Lined, Threaded Cast Iron Diaphragm Valves</b> <small>(23 05 23 00-0566)</small>		
23 05 23 00-0568	EA	1/2"	Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	273.29	32.81
23 05 23 00-0569	EA	3/4"	Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	351.48	36.34
23 05 23 00-0570	EA	1"	Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	380.01	44.93
23 05 23 00-0571	EA	1-1/2"	Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	604.08	67.14
23 05 23 00-0572	EA	2"	Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	978.18	80.76
<b>23 05 23 00-0573</b>			<b>Polytetrafluoroethylene (PTFE) Or Viton Lined, Flanged Cast Iron Diaphragm Valves</b> <small>(23 05 23 00-0566)</small>		
23 05 23 00-0574	EA	1/2"	Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	238.26	52.62
23 05 23 00-0575	EA	3/4"	Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	276.01	54.82
23 05 23 00-0576	EA	1"	Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	329.65	82.21
23 05 23 00-0577	EA	1-1/2"	Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	496.14	115.10
23 05 23 00-0578	EA	2"	Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	778.80	146.13
23 05 23 00-0579	EA	2-1/2"	Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	983.44	146.38
23 05 23 00-0580	EA	3"	Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	1,218.45	171.63
23 05 23 00-0581	EA	4"	Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	1,738.33	287.72
23 05 23 00-0582	EA	6"	Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	3,515.25	341.60
23 05 23 00-0583	EA	8"	Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	5,437.01	436.49
<b>23 05 23 00-0584</b>			<b>Ethylene Propylene Diene Monomer (EPDM) Lined, Threaded Cast Iron Diaphragm Valves</b> <small>(23 05 23 00-0566)</small>		
23 05 23 00-0585	EA	1/2"	Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	165.16	32.81
23 05 23 00-0586	EA	3/4"	Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	217.73	36.34
23 05 23 00-0587	EA	1"	Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	246.26	44.93
23 05 23 00-0588	EA	1-1/2"	Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	421.94	67.14
23 05 23 00-0589	EA	2"	Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	554.17	80.76
<b>23 05 23 00-0590</b>			<b>Ethylene Propylene Diene Monomer (EPDM) Lined, Flanged Cast Iron Diaphragm Valves</b> <small>(23 05 23 00-0566)</small>		
23 05 23 00-0591	EA	1/2"	Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	164.53	52.62
23 05 23 00-0592	EA	3/4"	Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	191.64	54.82
23 05 23 00-0593	EA	1"	Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	245.27	82.21
23 05 23 00-0594	EA	1-1/2"	Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	381.24	115.10
23 05 23 00-0595	EA	2"	Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	511.27	146.13
23 05 23 00-0596	EA	2-1/2"	Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	611.92	146.38
23 05 23 00-0597	EA	3"	Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	742.66	171.63
23 05 23 00-0598	EA	4"	Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	1,177.48	287.72
23 05 23 00-0599	EA	6"	Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	2,258.76	341.60
23 05 23 00-0600	EA	8"	Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	3,444.09	436.49
<b>23 05 23 00-0601</b>			<b>125 LB, Hand Wheel Operated, Flanged Cast Iron Diaphragm Valves</b> <small>(23 05 23 00-0566)</small>		
23 05 23 00-0602	EA	1"	Diaphragm Valve, Cast Iron, 125 LB, Flanged.....	304.23	82.21
23 05 23 00-0603	EA	1-1/2"	Diaphragm Valve, Cast Iron, 125 LB, Flanged.....	486.80	115.10
23 05 23 00-0604	EA	2"	Diaphragm Valve, Cast Iron, 125 LB, Flanged.....	652.25	146.13

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 05 23 00-0605	EA	2-1/2" Diaphragm Valve, Cast Iron, 125 LB, Flanged .....	915.90	146.38
23 05 23 00-0606	EA	3" Diaphragm Valve, Cast Iron, 125 LB, Flanged .....	1,015.07	171.63
23 05 23 00-0607	EA	4" Diaphragm Valve, Cast Iron, 125 LB, Flanged .....	1,597.87	287.72
23 05 23 00-0608	EA	6" Diaphragm Valve, Cast Iron, 125 LB, Flanged .....	3,115.78	341.60
23 05 23 00-0609	EA	8" Diaphragm Valve, Cast Iron, 125 LB, Flanged .....	6,395.08	436.49
<b>23 05 23 00-0610 Plastic Diaphragm Valves (23 05 23 00-0606)</b>				
<b>23 05 23 00-0611 Polyvinyl Chloride (PVC), True Union Socket Connections, Diaphragm Valves (23 05 23 00-0610)</b>				
23 05 23 00-0612	EA	1/2" Polyvinyl Chloride (PVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 314).....	186.65	32.81
23 05 23 00-0613	EA	3/4" Polyvinyl Chloride (PVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 314).....	208.63	36.24
23 05 23 00-0614	EA	1" Polyvinyl Chloride (PVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 314).....	263.92	44.93
23 05 23 00-0615	EA	1-1/4" Polyvinyl Chloride (PVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 314) .....	383.17	58.05
23 05 23 00-0616	EA	1-1/2" Polyvinyl Chloride (PVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 314) .....	403.26	67.24
23 05 23 00-0617	EA	2" Polyvinyl Chloride (PVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 314).....	473.33	80.76
<b>23 05 23 00-0618 Chlorinated Polyvinyl Chloride (CPVC), True Union Socket Connections, Diaphragm Valves (23 05 23 00-0610)</b>				
23 05 23 00-0619	EA	1/2" Chlorinated Polyvinyl Chloride (CPVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 315) .....	262.96	32.81
23 05 23 00-0620	EA	3/4" Chlorinated Polyvinyl Chloride (CPVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 315) .....	286.60	36.24
23 05 23 00-0621	EA	1" Chlorinated Polyvinyl Chloride (CPVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 315) .....	365.11	44.93
23 05 23 00-0622	EA	1-1/4" Chlorinated Polyvinyl Chloride (CPVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 315) .....	472.74	58.05
23 05 23 00-0623	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 315) .....	529.32	67.24
23 05 23 00-0624	EA	2" Chlorinated Polyvinyl Chloride (CPVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 315) .....	576.18	80.76
<b>23 05 23 00-0625 Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves (23 05 23 00-0610)</b>				
<b>23 05 23 00-0626 Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves (23 05 23 00-0625)</b>				
23 05 23 00-0627	EA	1/2" Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve .....	130.05	32.81
23 05 23 00-0628	EA	3/4" Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve .....	145.67	36.34
23 05 23 00-0629	EA	1" Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve .....	181.11	44.93
23 05 23 00-0630	EA	1-1/4" Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve .....	255.47	58.05
23 05 23 00-0631	EA	1-1/2" Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve .....	273.63	67.14
23 05 23 00-0632	EA	2" Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve .....	326.70	80.76
<b>23 05 23 00-0633 Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves (23 05 23 00-0625)</b>				
23 05 23 00-0634	EA	1/2" Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve.....	130.05	32.81
23 05 23 00-0635	EA	3/4" Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve.....	145.67	36.34
23 05 23 00-0636	EA	1" Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve.....	181.11	44.93
23 05 23 00-0637	EA	1-1/4" Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve .....	255.47	58.05
23 05 23 00-0638	EA	1-1/2" Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve .....	273.63	67.14
23 05 23 00-0639	EA	2" Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve.....	326.70	80.76
<b>23 05 23 00-0640 Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves (23 05 23 00-0610)</b>				
<b>23 05 23 00-0641 Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves (23 05 23 00-0640)</b>				
23 05 23 00-0642	EA	1/2" Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve.....	117.14	32.81
23 05 23 00-0643	EA	3/4" Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve.....	130.70	36.34
23 05 23 00-0644	EA	1" Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve.....	162.83	44.93
23 05 23 00-0645	EA	1-1/4" Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve.....	227.60	58.05
23 05 23 00-0646	EA	1-1/2" Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve.....	245.76	67.14
23 05 23 00-0647	EA	2" Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve.....	293.68	80.76
<b>23 05 23 00-0648 Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves (23 05 23 00-0640)</b>				
23 05 23 00-0649	EA	1/2" Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve.....	117.14	32.81
23 05 23 00-0650	EA	3/4" Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve.....	130.70	36.34
23 05 23 00-0651	EA	1" Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve.....	162.83	44.93
23 05 23 00-0652	EA	1-1/4" Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve.....	227.60	58.05
23 05 23 00-0653	EA	1-1/2" Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve.....	245.76	67.14
23 05 23 00-0654	EA	2" Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve.....	293.68	80.76

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 05 23 00-0655			<b>Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves</b> (23 05 23 00-0610)		
23 05 23 00-0656			<b>Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves</b> (23 05 23 00-0655)		
23 05 23 00-0657	EA		1/2" Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve .....	149.36	32.81
23 05 23 00-0658	EA		3/4" Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve .....	161.77	36.34
23 05 23 00-0659	EA		1" Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve .....	220.97	44.93
23 05 23 00-0660	EA		1-1/4" Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve .....	294.72	58.05
23 05 23 00-0661	EA		1-1/2" Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve .....	312.88	67.14
23 05 23 00-0662	EA		2" Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve .....	379.37	80.76
23 05 23 00-0663			<b>Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves</b> (23 05 23 00-0655)		
23 05 23 00-0664	EA		1/2" Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve .....	149.36	32.81
23 05 23 00-0665	EA		3/4" Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve .....	161.77	36.34
23 05 23 00-0666	EA		1" Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve .....	220.97	44.93
23 05 23 00-0667	EA		1-1/4" Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve .....	294.69	58.05
23 05 23 00-0668	EA		1-1/2" Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve .....	312.88	67.14
23 05 23 00-0669	EA		2" Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve .....	379.37	80.76
23 05 23 00-0670			<b>Flow Control Valves And Meters</b> (23 05 23)		
23 05 23 00-0671			<b>Conditioned Water Balancing Valves</b> (23 05 23 00-0670) Note: Working pressures up to 300 PSIG. Iron and bronze body construction (combination balancing, flow measuring and shut-off). Excludes portable read-out meter.		
23 05 23 00-0672	EA		1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG .....	155.28	55.93
23 05 23 00-0673	EA		3/4" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG .....	186.52	74.58
23 05 23 00-0674	EA		1" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG .....	1,304.71	85.21
23 05 23 00-0675	EA		1-1/4" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG .....	1,403.67	105.29
23 05 23 00-0676	EA		1-1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG .....	1,503.01	111.87
23 05 23 00-0677	EA		2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG .....	1,607.13	127.88
23 05 23 00-0678	EA		2-1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG .....	2,854.11	222.63
23 05 23 00-0679	EA		3" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG .....	2,748.41	254.45
23 05 23 00-0680	EA		3" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG .....	1,520.95	171.73
23 05 23 00-0681	EA		4" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG .....	2,137.72	287.89
23 05 23 00-0682	EA		6" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG .....	3,289.08	363.65
23 05 23 00-0683	EA		8" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG .....	4,421.24	464.66
23 05 23 00-0684	EA		10" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG .....	6,264.49	565.68
23 05 23 00-0685			<b>Read Out Meters</b> (23 05 23 00-0670) Note: For use with conditioned portable water balancing valves.		
23 05 23 00-0686	EA		0.5 - 25% Accuracy Read Out Meter For Use With Portable Water Balancing Valve .....	1,159.67	
23 05 23 00-0687	EA		0.5 - 50% Accuracy Read Out Meter For Use With Portable Water Balancing Valve .....	1,569.37	
23 05 23 00-0688	EA		0.5 - 75% Accuracy Read Out Meter For Use With Portable Water Balancing Valve .....	1,569.37	
23 05 23 00-0689	EA		0.5 - 100% Accuracy Read Out Meter For Use With Portable Water Balancing Valve .....	1,569.37	
23 05 23 00-0690			<b>Balancing Valves</b> (23 05 23)		
23 05 23 00-0691			<b>Balancing Valves With Lever</b> (23 05 23 00-0690) Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
23 05 23 00-0692	EA		1/2" Threaded Balancing Valve With Lever .....	218.29	34.54
23 05 23 00-0693	EA		3/4" Threaded Balancing Valve With Lever .....	244.98	45.52
23 05 23 00-0694	EA		1" Threaded Balancing Valve With Lever .....	548.21	52.10
23 05 23 00-0695	EA		1-1/4" Threaded Balancing Valve With Lever .....	601.13	64.70
23 05 23 00-0696	EA		1-1/2" Threaded Balancing Valve With Lever .....	640.44	68.54
23 05 23 00-0697	EA		2" Threaded Balancing Valve With Lever .....	851.45	78.42
23 05 23 00-0698	EA		2-1/2" Flanged Balancing Valve With Lever .....	1,136.48	146.47
23 05 23 00-0699	EA		3" Flanged Balancing Valve With Lever .....	1,111.03	171.73
23 05 23 00-0700	EA		4" Flanged Balancing Valve With Lever .....	1,387.32	287.89
23 05 23 00-0701	EA		5" Flanged Balancing Valve With Lever .....	2,027.71	327.28
23 05 23 00-0702	EA		6" Flanged Balancing Valve With Lever .....	2,093.86	363.65
23 05 23 00-0703	EA		8" Flanged Balancing Valve With Lever .....	2,799.06	464.66
23 05 23 00-0704			<b>Balancing Valves With Nut</b> (23 05 23 00-0690) Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
23 05 23 00-0705	EA		4" Flanged Balancing Valve With Nut .....	1,332.02	287.89
23 05 23 00-0706	EA		5" Flanged Balancing Valve With Nut .....	1,986.59	327.28
23 05 23 00-0707	EA		6" Flanged Balancing Valve With Nut .....	2,034.31	363.65
23 05 23 00-0708	EA		8" Flanged Balancing Valve With Nut .....	2,728.16	464.66
23 05 23 00-0709			<b>Balancing Valves With Hand Wheel</b> (23 05 23 00-0690) Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
23 05 23 00-0710	EA		4" Flanged Balancing Valve With Hand Wheel .....	1,865.15	287.89
23 05 23 00-0711	EA		5" Flanged Balancing Valve With Hand Wheel .....	2,550.92	327.28

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 05 23 00-0712	EA	6" Flanged Balancing Valve With Hand Wheel .....	2,598.64	363.65
23 05 23 00-0713	EA	8" Flanged Balancing Valve With Hand Wheel .....	3,732.04	464.66
23 05 23 00-0714	EA	10" Flanged Balancing Valve With Hand Wheel .....	5,749.14	565.68
23 05 23 00-0715	EA	12" Flanged Balancing Valve With Hand Wheel .....	7,544.33	456.45
23 05 23 00-0716	EA	14" Flanged Balancing Valve With Hand Wheel .....	9,814.32	860.63

**23 05 23 00-0717 Balancing Valves With Chain Wheel** (23 05 23 00-0690)

Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.

23 05 23 00-0718	EA	4" Flanged Balancing Valve With Chain Wheel .....	2,165.75	287.89
23 05 23 00-0719	EA	5" Flanged Balancing Valve With Chain Wheel .....	2,850.09	327.28
23 05 23 00-0720	EA	6" Flanged Balancing Valve With Chain Wheel .....	2,897.81	363.65
23 05 23 00-0721	EA	8" Flanged Balancing Valve With Chain Wheel .....	4,092.18	464.66
23 05 23 00-0722	EA	10" Flanged Balancing Valve With Chain Wheel .....	6,102.20	565.68
23 05 23 00-0723	EA	12" Flanged Balancing Valve With Chain Wheel .....	8,201.11	456.13
23 05 23 00-0724	EA	14" Flanged Balancing Valve With Chain Wheel .....	10,382.90	860.63

**23 05 23 00-0725 Calibrated Balancing Valves** (23 05 23 00-0690)

Note: Bell &amp; Gossett CB Series.

23 05 23 00-0726	EA	1/2" Braze Or Soldered Calibrated Balancing Valve (CB-1/2S) .....	117.32	10.96
23 05 23 00-0727	EA	3/4" Braze Or Soldered Calibrated Balancing Valve (CB-3/4S) .....	137.82	12.06
23 05 23 00-0728	EA	1" Braze Or Soldered Calibrated Balancing Valve (CB-1S) .....	168.34	13.70
23 05 23 00-0729	EA	1-1/4" Braze Or Soldered Calibrated Balancing Valve (CB-1-1/4S) .....	226.76	14.58
23 05 23 00-0730	EA	1" Threaded Calibrated Balancing Valve (CB-1) .....	179.61	13.70
23 05 23 00-0731	EA	1-1/4" Threaded Calibrated Balancing Valve (CB-1-1/4) .....	246.22	14.58
23 05 23 00-0732	EA	1-1/2" Threaded Calibrated Balancing Valve (CB-1-1/2) .....	286.14	16.89
23 05 23 00-0733	EA	2" Threaded Calibrated Balancing Valve (CB-2) .....	386.50	19.96
23 05 23 00-0734	EA	2-1/2" Threaded Calibrated Balancing Valve (CB-2-1/2) .....	719.78	29.28
23 05 23 00-0735	EA	3" Threaded Calibrated Balancing Valve (CB-3) .....	1,013.69	34.00
23 05 23 00-0736	EA	2-1/2" Flanged Calibrated Balancing Valve (CB-2-1/2F) .....	957.36	159.03
23 05 23 00-0737	EA	3" Flanged Calibrated Balancing Valve (CB-3F) .....	1,385.65	186.45
23 05 23 00-0738	EA	4" Flanged Calibrated Balancing Valve (CB-4F) .....	2,168.80	312.56
23 05 23 00-0739	EA	5" Flanged Calibrated Balancing Valve (CB-5F) .....	3,121.96	355.34
23 05 23 00-0740	EA	6" Flanged Calibrated Balancing Valve (CB-6F) .....	4,105.85	394.82
23 05 23 00-0741	EA	8" Flanged Calibrated Balancing Valve (CB-8F) .....	7,412.49	504.49
23 05 23 00-0742	EA	10" Flanged Calibrated Balancing Valve (CB-10F) .....	10,293.43	602.44
23 05 23 00-0743	EA	12" Flanged Calibrated Balancing Valve (CB-12F) .....	21,672.79	731.54
23 05 23 00-0744	EA	4" Grooved Calibrated Balancing Valve (CB-4G) .....	2,566.51	37.76
23 05 23 00-0745	EA	5" Grooved Calibrated Balancing Valve (CB-5G) .....	2,960.57	48.39
23 05 23 00-0746	EA	6" Grooved Calibrated Balancing Valve (CB-6G) .....	3,934.01	62.06
23 05 23 00-0747	EA	8" Grooved Calibrated Balancing Valve (CB-8G) .....	7,359.26	78.76
23 05 23 00-0748	EA	10" Grooved Calibrated Balancing Valve (CB-10G) .....	9,890.75	88.24
23 05 23 00-0749	EA	12" Grooved Calibrated Balancing Valve (CB-12G) .....	20,356.30	107.60

**23 05 23 00-0750 Butterfly Valves** (23 05 23)**23 05 23 00-0751 Cast Iron Body, Iron Disc, 150 PSI, Wafer Type, Butterfly Valves** (23 05 23 00-0750)

Note: With on-off handle

23 05 23 00-0752	EA	2" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type .....	314.80	146.13
		For 200 PSI, Add .....	63.40	
		For Work In Restricted Working Space, Add .....	54.81	
23 05 23 00-0753	EA	2-1/2" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type .....	323.32	146.38
		For 200 PSI, Add .....	67.09	
		For Work In Restricted Working Space, Add .....	55.07	
23 05 23 00-0754	EA	3" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type .....	365.32	171.63
		For 200 PSI, Add .....	72.25	
		For Work In Restricted Working Space, Add .....	64.44	
23 05 23 00-0755	EA	4" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type .....	549.47	287.72
		For 200 PSI, Add .....	90.68	
		For Work In Restricted Working Space, Add .....	108.17	
23 05 23 00-0756	EA	5" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type .....	697.31	341.60
		For 200 PSI, Add .....	129.01	
		For Work In Restricted Working Space, Add .....	128.56	
23 05 23 00-0757	EA	6" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type .....	803.12	379.55
		For 200 PSI, Add .....	157.77	
		For Work In Restricted Working Space, Add .....	142.33	
23 05 23 00-0758	EA	8" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type .....	1,036.78	436.49
		For 200 PSI, Add .....	237.39	
		For Work In Restricted Working Space, Add .....	162.67	
23 05 23 00-0759	EA	10" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type .....	1,622.62	531.38
		For 200 PSI, Add .....	460.03	
		For Work In Restricted Working Space, Add .....	199.27	
23 05 23 00-0760	EA	12" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type .....	2,026.15	645.24
		For 200 PSI, Add .....	586.10	
		For Work In Restricted Working Space, Add .....	241.53	

**23 05 23 00-0761 Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve** (23 05 23 00-0750)

23 05 23 00-0762	EA	2-1/2" Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve .....	1,139.53	29.27
		For Work In Restricted Working Space, Add .....	17.27	
23 05 23 00-0763	EA	3" Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve .....	1,233.73	33.99
		For Work In Restricted Working Space, Add .....	20.56	
23 05 23 00-0764	EA	4" Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve .....	1,542.32	38.37
		For Work In Restricted Working Space, Add .....	27.13	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**23 05 23 00-0765 Cast Iron Body, Bronze Disc, Gear Operated, 200 LB, Lug Type, Butterfly Valves** (23 05 23 00-0765)

23 05 23 00-0766	EA		2" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	545.18	146.13
			<i>For Work In Restricted Working Space, Add</i>	54.81	
23 05 23 00-0767	EA		2-1/2" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	549.10	146.38
			<i>For Work In Restricted Working Space, Add</i>	55.07	
23 05 23 00-0768	EA		3" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	598.78	171.63
			<i>For Work In Restricted Working Space, Add</i>	64.44	
23 05 23 00-0769	EA		4" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	793.67	287.72
			<i>For Work In Restricted Working Space, Add</i>	108.17	
23 05 23 00-0770	EA		5" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	967.63	341.60
			<i>For Work In Restricted Working Space, Add</i>	128.56	
23 05 23 00-0771	EA		6" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	1,071.82	379.55
			<i>For Work In Restricted Working Space, Add</i>	142.33	
23 05 23 00-0772	EA		8" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	1,316.32	436.49
			<i>For Work In Restricted Working Space, Add</i>	162.67	
23 05 23 00-0773	EA		10" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	1,664.09	531.38
			<i>For Work In Restricted Working Space, Add</i>	199.27	
23 05 23 00-0774	EA		12" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	2,258.08	645.24
			<i>For Work In Restricted Working Space, Add</i>	241.53	

**23 05 23 00-0775 Cast Iron Body, Bronze Disc, Gear Operated, 150 LB, Lug Type, Butterfly Valves** (23 05 23 00-0775)

23 05 23 00-0776	EA		14" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	3,739.99	859.71
			<i>For 200 PSI, Add</i>	933.74	
			<i>For Work In Restricted Working Space, Add</i>	343.88	
23 05 23 00-0777	EA		16" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	4,745.53	1,008.73
			<i>For 200 PSI, Add</i>	1,254.46	
			<i>For Work In Restricted Working Space, Add</i>	378.27	
23 05 23 00-0778	EA		18" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	6,578.29	1,123.35
			<i>For 200 PSI, Add</i>	1,863.82	
			<i>For Work In Restricted Working Space, Add</i>	420.30	
23 05 23 00-0779	EA		20" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	8,423.70	1,260.91
			<i>For 200 PSI, Add</i>	2,465.13	
			<i>For Work In Restricted Working Space, Add</i>	472.84	
23 05 23 00-0780	EA		24" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	11,289.69	1,547.48
			<i>For 200 PSI, Add</i>	3,365.94	
			<i>For Work In Restricted Working Space, Add</i>	581.96	
23 05 23 00-0781	EA		30" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	23,182.70	2,445.59
			<i>For 200 PSI, Add</i>	7,225.25	
			<i>For Work In Restricted Working Space, Add</i>	933.77	
23 05 23 00-0782	EA		36" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	29,391.16	3,334.89
			<i>For 200 PSI, Add</i>	9,180.16	
			<i>For Work In Restricted Working Space, Add</i>	1,167.21	

**23 05 23 00-0783 Polyvinyl Chloride (PVC) Butterfly Valves, With Operator** (23 05 23 00-0783)
**23 05 23 00-0784 Polyvinyl Chloride (PVC) Butterfly Valves, Ethylene Propylene Diene Monomer (EPDM) Liner And Seals** (23 05 23 00-0783)

23 05 23 00-0785	EA		1-1/2" Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals.....	230.59	95.92
23 05 23 00-0786	EA		2" Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals.....	263.69	120.59
23 05 23 00-0787	EA		3" Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals.....	303.05	141.33
23 05 23 00-0788	EA		4" Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals.....	439.31	239.76
23 05 23 00-0789	EA		6" Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals.....	605.33	284.66
23 05 23 00-0790	EA		8" Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals.....	825.60	360.57
23 05 23 00-0791	EA		10" Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals.....	1,313.93	427.00
23 05 23 00-0792	EA		12" Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals.....	1,715.60	521.88

**23 05 23 00-0793 Polyvinyl Chloride (PVC) Butterfly Valves, Viton Liner And Seals** (23 05 23 00-0783)

23 05 23 00-0794	EA		1-1/2" Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals.....	351.31	95.92
23 05 23 00-0795	EA		2" Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals.....	384.41	120.59
23 05 23 00-0796	EA		3" Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals.....	446.47	141.33
23 05 23 00-0797	EA		4" Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals.....	619.88	239.76
23 05 23 00-0798	EA		6" Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals.....	920.02	284.66
23 05 23 00-0799	EA		8" Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals.....	1,337.36	360.57
23 05 23 00-0800	EA		10" Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals.....	2,490.15	427.00
23 05 23 00-0801	EA		12" Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals.....	3,315.88	521.88

**23 05 23 00-0802 Polyvinyl Chloride (PVC)/Polypropylene Butterfly Valves, With Operator** (23 05 23 00-0783)
**23 05 23 00-0803 Polyvinyl Chloride (PVC)/Polypropylene Butterfly Valves, Ethylene Propylene Diene Monomer (EPDM) Liner And Seals** (23 05 23 00-0802)

23 05 23 00-0804	EA		2" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals.....	274.21	120.59
23 05 23 00-0805	EA		2-1/2" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals.....	281.92	121.15
23 05 23 00-0806	EA		3" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals.....	310.53	141.33

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**
 MINOR  
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 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 05 23 00-0807	EA	4" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals .....	437.73	239.76
23 05 23 00-0808	EA	6" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals .....	599.16	284.66
23 05 23 00-0809	EA	8" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals .....	911.20	360.57
23 05 23 00-0810	EA	10" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals .....	1,445.20	427.00
23 05 23 00-0811	EA	12" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals .....	1,862.80	521.88

**23 05 23 00-0812 Polyvinyl Chloride (PVC)/Polypropylene Butterfly Valves, Viton Liner And Seals** (23 05 23 00-0802)

23 05 23 00-0813	EA	2" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals .....	341.18	49.88
23 05 23 00-0814	EA	2-1/2" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals .....	372.68	60.30
23 05 23 00-0815	EA	3" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals .....	390.91	67.24
23 05 23 00-0816	EA	4" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals .....	457.28	77.63
23 05 23 00-0817	EA	6" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals .....	733.56	126.20
23 05 23 00-0818	EA	8" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals .....	1,579.79	201.91
23 05 23 00-0819	EA	10" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals .....	2,362.16	224.12
23 05 23 00-0820	EA	12" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals .....	3,321.51	252.39

**23 05 23 00-0821 Polyvinylidene Fluoride (PVDF) Butterfly Valves, With Operator** (23 05 23 00-0750)
**23 05 23 00-0822 Polyvinylidene Fluoride (PVDF) Butterfly Valves, Viton Liner And Seals** (23 05 23 00-0821)

23 05 23 00-0823	EA	2" Butterfly Valve, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals .....	941.75	120.59
23 05 23 00-0824	EA	2-1/2" Butterfly Valve, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals .....	978.32	121.15
23 05 23 00-0825	EA	3" Butterfly Valve, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals .....	1,067.06	141.33
23 05 23 00-0826	EA	4" Butterfly Valve, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals .....	1,501.12	239.76
23 05 23 00-0827	EA	6" Butterfly Valve, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals .....	2,685.45	284.66
23 05 23 00-0828	EA	8" Butterfly Valve, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals .....	5,248.08	360.57
23 05 23 00-0829	EA	10" Butterfly Valve, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals .....	7,807.58	427.00
23 05 23 00-0830	EA	12" Butterfly Valve, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals .....	9,731.96	521.88

**23 05 29 Hangers and Supports for HVAC Piping and Equipment** (23 05)
**23 05 29 00-0001 Hangers And Supports** (23 05 29)
**23 05 29 00-0002 Clevis Hangers** (23 05 29 00-0001)
**23 05 29 00-0003 Steel Clevis Hanger (Cooper B-Line B3100)** (23 05 29 00-0002)

Note: Type 1.

23 05 29 00-0004	EA	1/2" Steel Clevis Hanger (Cooper B-Line B3100) .....	20.47	9.09
		<i>For Work In Restricted Working Space, Add</i> .....	5.45	
23 05 29 00-0005	EA	3/4" Steel Clevis Hanger (Cooper B-Line B3100) .....	22.49	10.10
		<i>For Work In Restricted Working Space, Add</i> .....	6.06	
23 05 29 00-0006	EA	1" Steel Clevis Hanger (Cooper B-Line B3100) .....	23.64	10.10
		<i>For Work In Restricted Working Space, Add</i> .....	6.38	
23 05 29 00-0007	EA	1-1/4" Steel Clevis Hanger (Cooper B-Line B3100) .....	24.58	10.92
		<i>For Work In Restricted Working Space, Add</i> .....	6.56	
23 05 29 00-0008	EA	1-1/2" Steel Clevis Hanger (Cooper B-Line B3100) .....	24.88	10.92
		<i>For Work In Restricted Working Space, Add</i> .....	6.56	
23 05 29 00-0009	EA	2" Steel Clevis Hanger (Cooper B-Line B3100) .....	26.07	11.11
		<i>For Work In Restricted Working Space, Add</i> .....	6.73	
23 05 29 00-0010	EA	2-1/2" Steel Clevis Hanger (Cooper B-Line B3100) .....	28.98	11.51
		<i>For Work In Restricted Working Space, Add</i> .....	6.93	
23 05 29 00-0011	EA	3" Steel Clevis Hanger (Cooper B-Line B3100) .....	31.16	12.11
		<i>For Work In Restricted Working Space, Add</i> .....	7.13	
23 05 29 00-0012	EA	3-1/2" Steel Clevis Hanger (Cooper B-Line B3100) .....	32.44	13.30
		<i>For Work In Restricted Working Space, Add</i> .....	7.60	
23 05 29 00-0013	EA	4" Steel Clevis Hanger (Cooper B-Line B3100) .....	35.84	14.13
		<i>For Work In Restricted Working Space, Add</i> .....	8.08	
23 05 29 00-0014	EA	5" Steel Clevis Hanger (Cooper B-Line B3100) .....	46.17	16.91
		<i>For Work In Restricted Working Space, Add</i> .....	10.15	
23 05 29 00-0015	EA	6" Steel Clevis Hanger (Cooper B-Line B3100) .....	55.63	20.19
		<i>For Work In Restricted Working Space, Add</i> .....	12.11	
23 05 29 00-0016	EA	8" Steel Clevis Hanger (Cooper B-Line B3100) .....	75.74	25.24
		<i>For Work In Restricted Working Space, Add</i> .....	15.14	
23 05 29 00-0017	EA	10" Steel Clevis Hanger (Cooper B-Line B3100) .....	112.32	34.33
		<i>For Work In Restricted Working Space, Add</i> .....	20.19	
23 05 29 00-0018	EA	12" Steel Clevis Hanger (Cooper B-Line B3100) .....	132.43	37.86
		<i>For Work In Restricted Working Space, Add</i> .....	22.72	
23 05 29 00-0019	EA	14" Steel Clevis Hanger (Cooper B-Line B3100) .....	166.71	42.40
		<i>For Work In Restricted Working Space, Add</i> .....	26.05	
23 05 29 00-0020	EA	16" Steel Clevis Hanger (Cooper B-Line B3100) .....	209.39	50.48
		<i>For Work In Restricted Working Space, Add</i> .....	30.29	
23 05 29 00-0021	EA	18" Steel Clevis Hanger (Cooper B-Line B3100) .....	260.90	63.10
		<i>For Work In Restricted Working Space, Add</i> .....	37.86	
23 05 29 00-0022	EA	20" Steel Clevis Hanger (Cooper B-Line B3100) .....	434.46	75.72
		<i>For Work In Restricted Working Space, Add</i> .....	45.43	
23 05 29 00-0023	EA	24" Steel Clevis Hanger (Cooper B-Line B3100) .....	676.62	88.33
		<i>For Work In Restricted Working Space, Add</i> .....	53.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 05 29 00-0024</b>			<b>Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)</b> (23 05 29 00-0002)		
23 05 29 00-0025	EA		1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) .....	26.57	9.09
			<i>For Work In Restricted Working Space, Add</i>	5.45	
23 05 29 00-0026	EA		3/4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) .....	28.59	10.10
			<i>For Work In Restricted Working Space, Add</i>	6.06	
23 05 29 00-0027	EA		1" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) .....	29.87	10.10
			<i>For Work In Restricted Working Space, Add</i>	6.38	
23 05 29 00-0028	EA		1-1/4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) .....	30.95	10.92
			<i>For Work In Restricted Working Space, Add</i>	6.56	
23 05 29 00-0029	EA		1-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) .....	31.73	10.92
			<i>For Work In Restricted Working Space, Add</i>	6.56	
23 05 29 00-0030	EA		2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) .....	32.53	11.11
			<i>For Work In Restricted Working Space, Add</i>	6.73	
23 05 29 00-0031	EA		2-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) .....	36.87	11.51
			<i>For Work In Restricted Working Space, Add</i>	6.93	
23 05 29 00-0032	EA		3" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) .....	38.79	12.11
			<i>For Work In Restricted Working Space, Add</i>	7.13	
23 05 29 00-0033	EA		3-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) .....	43.43	14.13
			<i>For Work In Restricted Working Space, Add</i>	8.08	
23 05 29 00-0034	EA		4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) .....	48.58	14.13
			<i>For Work In Restricted Working Space, Add</i>	8.08	
23 05 29 00-0035	EA		5" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) .....	82.08	16.91
			<i>For Work In Restricted Working Space, Add</i>	10.15	
23 05 29 00-0036	EA		6" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) .....	102.07	20.19
			<i>For Work In Restricted Working Space, Add</i>	12.11	
23 05 29 00-0037	EA		8" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) .....	121.01	25.24
			<i>For Work In Restricted Working Space, Add</i>	15.14	
<b>23 05 29 00-0038</b>			<b>Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)</b> (23 05 29 00-0002)		
23 05 29 00-0039	EA		1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) .....	20.25	9.09
			<i>For Work In Restricted Working Space, Add</i>	5.45	
23 05 29 00-0040	EA		3/4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) .....	22.32	10.10
			<i>For Work In Restricted Working Space, Add</i>	6.06	
23 05 29 00-0041	EA		1" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) .....	23.59	10.10
			<i>For Work In Restricted Working Space, Add</i>	6.38	
23 05 29 00-0042	EA		1-1/4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) .....	24.24	10.92
			<i>For Work In Restricted Working Space, Add</i>	6.56	
23 05 29 00-0043	EA		1-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) .....	24.41	10.92
			<i>For Work In Restricted Working Space, Add</i>	6.56	
23 05 29 00-0044	EA		2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) .....	25.12	11.11
			<i>For Work In Restricted Working Space, Add</i>	6.73	
23 05 29 00-0045	EA		2-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) .....	27.73	11.51
			<i>For Work In Restricted Working Space, Add</i>	6.93	
23 05 29 00-0046	EA		3" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) .....	29.04	12.11
			<i>For Work In Restricted Working Space, Add</i>	7.13	
23 05 29 00-0047	EA		3-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) .....	32.69	14.13
			<i>For Work In Restricted Working Space, Add</i>	8.08	
23 05 29 00-0048	EA		4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) .....	33.90	14.13
			<i>For Work In Restricted Working Space, Add</i>	8.08	
<b>23 05 29 00-0049</b>			<b>Extended Steel Clevis Hanger (Cooper B-Line B3108)</b> (23 05 29 00-0002)		
23 05 29 00-0050	EA		3/4" Steel Extended Clevis Hanger (Cooper B-Line B3108) .....	29.94	10.10
			<i>For Work In Restricted Working Space, Add</i>	6.06	
23 05 29 00-0051	EA		1" Steel Extended Clevis Hanger (Cooper B-Line B3108) .....	31.09	10.10
			<i>For Work In Restricted Working Space, Add</i>	6.38	
23 05 29 00-0052	EA		1-1/4" Steel Extended Clevis Hanger (Cooper B-Line B3108) .....	31.69	10.92
			<i>For Work In Restricted Working Space, Add</i>	6.56	
23 05 29 00-0053	EA		1-1/2" Steel Extended Clevis Hanger (Cooper B-Line B3108) .....	32.90	10.92
			<i>For Work In Restricted Working Space, Add</i>	6.56	
23 05 29 00-0054	EA		2" Steel Extended Clevis Hanger (Cooper B-Line B3108) .....	35.51	11.11
			<i>For Work In Restricted Working Space, Add</i>	6.73	
23 05 29 00-0055	EA		2-1/2" Steel Extended Clevis Hanger (Cooper B-Line B3108) .....	38.30	11.51
			<i>For Work In Restricted Working Space, Add</i>	6.93	
23 05 29 00-0056	EA		3" Steel Extended Clevis Hanger (Cooper B-Line B3108) .....	40.30	12.11
			<i>For Work In Restricted Working Space, Add</i>	7.13	
23 05 29 00-0057	EA		4" Steel Extended Clevis Hanger (Cooper B-Line B3108) .....	48.75	14.13
			<i>For Work In Restricted Working Space, Add</i>	8.08	
23 05 29 00-0058	EA		5" Steel Extended Clevis Hanger (Cooper B-Line B3108) .....	61.55	16.91
			<i>For Work In Restricted Working Space, Add</i>	10.15	
23 05 29 00-0059	EA		6" Steel Extended Clevis Hanger (Cooper B-Line B3108) .....	76.25	20.19
			<i>For Work In Restricted Working Space, Add</i>	12.11	
23 05 29 00-0060	EA		8" Steel Extended Clevis Hanger (Cooper B-Line B3108) .....	109.57	25.24
			<i>For Work In Restricted Working Space, Add</i>	15.14	
23 05 29 00-0061	EA		10" Steel Extended Clevis Hanger (Cooper B-Line B3108) .....	154.69	34.33
			<i>For Work In Restricted Working Space, Add</i>	20.19	
23 05 29 00-0062	EA		12" Steel Extended Clevis Hanger (Cooper B-Line B3108) .....	173.72	37.86
			<i>For Work In Restricted Working Space, Add</i>	22.72	
<b>23 05 29 00-0063</b>			<b>Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)</b> (23 05 29 00-0002)		
23 05 29 00-0064	EA		2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) .....	36.95	11.11
			<i>For Work In Restricted Working Space, Add</i>	6.73	
23 05 29 00-0065	EA		2-1/2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) .....	39.64	11.51
			<i>For Work In Restricted Working Space, Add</i>	6.93	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 05 29 00-0066	EA	3"	Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	41.82	12.11
			<i>For Work In Restricted Working Space, Add</i>	7.13	
23 05 29 00-0067	EA	3-1/2"	Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	46.16	14.13
			<i>For Work In Restricted Working Space, Add</i>	8.08	
23 05 29 00-0068	EA	4"	Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	49.19	14.13
			<i>For Work In Restricted Working Space, Add</i>	8.08	
23 05 29 00-0069	EA	5"	Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	60.99	16.91
			<i>For Work In Restricted Working Space, Add</i>	10.15	
23 05 29 00-0070	EA	6"	Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	70.97	20.19
			<i>For Work In Restricted Working Space, Add</i>	12.11	
23 05 29 00-0071	EA	8"	Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	94.93	25.24
			<i>For Work In Restricted Working Space, Add</i>	15.14	
<b>23 05 29 00-0072 Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT) (23 05 29 00-0002)</b>					
23 05 29 00-0073	EA	1/2"	Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	25.79	9.34
			<i>For Work In Restricted Working Space, Add</i>	5.60	
23 05 29 00-0074	EA	3/4"	Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	27.31	10.10
			<i>For Work In Restricted Working Space, Add</i>	6.06	
23 05 29 00-0075	EA	1"	Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	28.37	10.10
			<i>For Work In Restricted Working Space, Add</i>	6.38	
23 05 29 00-0076	EA	1-1/4"	Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	29.55	10.43
			<i>For Work In Restricted Working Space, Add</i>	6.49	
23 05 29 00-0077	EA	1-1/2"	Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	30.20	10.76
			<i>For Work In Restricted Working Space, Add</i>	6.61	
23 05 29 00-0078	EA	2"	Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	31.81	11.11
			<i>For Work In Restricted Working Space, Add</i>	6.73	
23 05 29 00-0079	EA	2-1/2"	Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	36.41	11.61
			<i>For Work In Restricted Working Space, Add</i>	6.89	
23 05 29 00-0080	EA	3"	Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	42.85	12.11
			<i>For Work In Restricted Working Space, Add</i>	7.13	
23 05 29 00-0081	EA	3-1/2"	Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	46.77	13.12
			<i>For Work In Restricted Working Space, Add</i>	7.57	
23 05 29 00-0082	EA	4"	Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	49.24	14.13
			<i>For Work In Restricted Working Space, Add</i>	8.08	
23 05 29 00-0083	EA	5"	Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	61.82	17.16
			<i>For Work In Restricted Working Space, Add</i>	9.71	
23 05 29 00-0084	EA	6"	Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	82.55	20.19
			<i>For Work In Restricted Working Space, Add</i>	12.11	
<b>23 05 29 00-0085 Adjustable Hangers (23 05 29 00-0001)</b>					
<b>23 05 29 00-0086 Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) (23 05 29 00-0085)</b>					
Note: Type 5.					
23 05 29 00-0087	EA	1/2"	Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	18.86	7.96
			<i>For Work In Restricted Working Space, Add</i>	4.77	
23 05 29 00-0088	EA	3/4"	Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	20.61	8.83
			<i>For Work In Restricted Working Space, Add</i>	5.30	
23 05 29 00-0089	EA	1"	Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	22.54	9.82
			<i>For Work In Restricted Working Space, Add</i>	5.89	
23 05 29 00-0090	EA	1-1/4"	Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	24.83	10.90
			<i>For Work In Restricted Working Space, Add</i>	6.54	
23 05 29 00-0091	EA	1-1/2"	Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	26.11	11.44
			<i>For Work In Restricted Working Space, Add</i>	6.87	
23 05 29 00-0092	EA	2"	Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	28.10	12.00
			<i>For Work In Restricted Working Space, Add</i>	7.19	
23 05 29 00-0093	EA	2-1/2"	Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	32.96	12.54
			<i>For Work In Restricted Working Space, Add</i>	7.52	
23 05 29 00-0094	EA	3"	Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	34.44	13.08
			<i>For Work In Restricted Working Space, Add</i>	7.85	
23 05 29 00-0095	EA	4"	Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	41.48	14.72
			<i>For Work In Restricted Working Space, Add</i>	8.83	
<b>23 05 29 00-0096 Adjustable Swivel Steel Ring (Cooper B-Line B3170) (23 05 29 00-0085)</b>					
Note: Type 10.					
23 05 29 00-0097	EA	1/2"	Adjustable Swivel Steel Ring (Cooper B-Line B3170)	21.54	10.10
			<i>For Work In Restricted Working Space, Add</i>	6.06	
			<i>For 304 Stainless Steel, Add</i>	8.91	
			<i>For 316 Stainless Steel, Add</i>	11.48	
23 05 29 00-0098	EA	3/4"	Adjustable Swivel Steel Ring (Cooper B-Line B3170)	22.72	10.10
			<i>For Work In Restricted Working Space, Add</i>	6.38	
			<i>For 304 Stainless Steel, Add</i>	9.70	
			<i>For 316 Stainless Steel, Add</i>	12.50	
23 05 29 00-0099	EA	1"	Adjustable Swivel Steel Ring (Cooper B-Line B3170)	23.90	11.11
			<i>For Work In Restricted Working Space, Add</i>	6.73	
			<i>For 304 Stainless Steel, Add</i>	9.70	
			<i>For 316 Stainless Steel, Add</i>	12.50	
23 05 29 00-0100	EA	1-1/4"	Adjustable Swivel Steel Ring (Cooper B-Line B3170)	25.40	12.11
			<i>For Work In Restricted Working Space, Add</i>	7.13	
			<i>For 304 Stainless Steel, Add</i>	10.89	
			<i>For 316 Stainless Steel, Add</i>	14.03	
23 05 29 00-0101	EA	1-1/2"	Adjustable Swivel Steel Ring (Cooper B-Line B3170)	28.57	14.13
			<i>For Work In Restricted Working Space, Add</i>	8.08	
			<i>For 304 Stainless Steel, Add</i>	10.89	
			<i>For 316 Stainless Steel, Add</i>	14.03	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0102	EA		2" Adjustable Swivel Steel Ring (Cooper B-Line B3170) ..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	30.57 8.65 11.42 14.71	14.13
23 05 29 00-0103	EA		2-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170) ..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	33.88 9.32 18.61 23.97	15.15
23 05 29 00-0104	EA		3" Adjustable Swivel Steel Ring (Cooper B-Line B3170) ..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	36.60 10.10 19.47 25.08	17.16
23 05 29 00-0105	EA		3-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170) ..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	40.79 11.05 26.07 33.58	18.42
23 05 29 00-0106	EA		4" Adjustable Swivel Steel Ring (Cooper B-Line B3170) ..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	44.33 12.11 26.07 33.58	20.19
23 05 29 00-0107	EA		5" Adjustable Swivel Steel Ring (Cooper B-Line B3170) ..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	53.62 13.63 54.05 69.62	22.72
23 05 29 00-0108	EA		6" Adjustable Swivel Steel Ring (Cooper B-Line B3170) ..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	58.80 15.14 54.91 70.72	25.24
23 05 29 00-0109	EA		8" Adjustable Swivel Steel Ring (Cooper B-Line B3170) ..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	70.45 18.17 65.21 83.98	30.28
<b>23 05 29 00-0110</b>			<b>Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) (23 05 29 00-0085)</b>		
23 05 29 00-0111	EA		1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) ..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	24.28 6.06 26.99 34.77	10.10
23 05 29 00-0112	EA		3/4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) ..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	25.34 6.38 26.99 34.77	10.10
23 05 29 00-0113	EA		1" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) ..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	26.52 6.73 26.99 34.77	11.11
23 05 29 00-0114	EA		1-1/4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) ..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	27.84 7.13 26.99 34.77	12.11
23 05 29 00-0115	EA		1-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) ..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	31.35 8.08 29.24 37.66	14.13
23 05 29 00-0116	EA		2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) ..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	33.27 8.65 29.24 37.66	14.13
23 05 29 00-0117	EA		2-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) ..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	42.69 9.32 76.76 98.86	15.15
23 05 29 00-0118	EA		3" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) ..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	48.06 10.10 95.11 122.49	17.16
23 05 29 00-0119	EA		3-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) ..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	52.39 11.05 102.63 132.18	18.42
23 05 29 00-0120	EA		4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) ..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	59.31 12.11 124.94 160.91	20.19
23 05 29 00-0121	EA		5" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) ..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	64.62 13.63 126.65 163.12	22.72
23 05 29 00-0122	EA		6" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) ..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	78.26 15.14 183.35 236.13	25.24

23 05 29 00-0123 Roller Hangers (23 05 29 00-0001)

23 05 29 00-0124 Single Pipe Roll (Cooper B-Line B3114) (23 05 29 00-0123)

Note: Excludes rod and nuts. Type 41.

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 05 Common Work Results for HVAC**

**23 05 29 Hangers and Supports for HVAC Piping and Equipment**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0125	EA		2" Single Pipe Roll (Cooper B-Line B3114)..... Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	35.27 4.85	8.08
23 05 29 00-0126	EA		2-1/2" Single Pipe Roll (Cooper B-Line B3114) ..... Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	38.72 5.45	9.10
23 05 29 00-0127	EA		3" Single Pipe Roll (Cooper B-Line B3114)..... Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	42.88 6.37	10.61
23 05 29 00-0128	EA		3-1/2" Single Pipe Roll (Cooper B-Line B3114) ..... Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	49.37 7.27	12.12
23 05 29 00-0129	EA		4" Single Pipe Roll (Cooper B-Line B3114)..... Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	69.61 8.18	13.63
23 05 29 00-0130	EA		5" Single Pipe Roll (Cooper B-Line B3114)..... Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	60.80 9.09	15.16
23 05 29 00-0131	EA		6" Single Pipe Roll (Cooper B-Line B3114)..... Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	75.96 10.91	18.18
23 05 29 00-0132	EA		8" Single Pipe Roll (Cooper B-Line B3114)..... Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	103.85 12.73	21.22
23 05 29 00-0133	EA		10" Single Pipe Roll (Cooper B-Line B3114)..... Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	123.08 15.15	25.25
<b>23 05 29 00-0134 Adjustable Clevis Roller Hanger (Cooper B-Line B3110) (23 05 29 00-0123)</b>					
Note: Type 43.					
23 05 29 00-0135	EA		2" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	51.81 8.23 160.97 207.32	14.26
23 05 29 00-0136	EA		2-1/2" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	53.78 8.82 160.97 207.32	14.69
23 05 29 00-0137	EA		3" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	58.55 9.40 179.59 231.29	15.36
23 05 29 00-0138	EA		3-1/2" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	69.12 9.87 239.05 307.87	16.45
23 05 29 00-0139	EA		4" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	72.78 10.97 239.05 307.87	18.64
23 05 29 00-0140	EA		5" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	82.42 12.04 279.05 359.38	20.07
23 05 29 00-0141	EA		6" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	96.38 13.16 346.57 446.34	21.94
23 05 29 00-0142	EA		8" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	133.43 16.45 518.69 668.02	27.42
23 05 29 00-0143	EA		10" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	166.74 21.94 617.89 795.77	37.29
23 05 29 00-0144	EA		12" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	219.89 24.68 908.42 1,169.94	41.12
23 05 29 00-0145	EA		14" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	475.74 28.30 2,517.37 3,242.07	47.16
23 05 29 00-0146	EA		16" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	599.27 32.90 3,231.36 4,161.60	54.84
<b>23 05 29 00-0147 Roller Chair (Cooper B-Line B3120) (23 05 29 00-0123)</b>					
23 05 29 00-0148	EA		2" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	50.21 8.23	14.26
23 05 29 00-0149	EA		2-1/2" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	54.13 8.82	14.69
23 05 29 00-0150	EA		3" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	56.64 9.40	15.36
23 05 29 00-0151	EA		3-1/2" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	65.13 9.87	16.45

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0152	EA		4" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	72.60 10.97	18.64
23 05 29 00-0153	EA		5" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	79.30 12.04	20.07
23 05 29 00-0154	EA		6" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	98.42 13.16	21.94
23 05 29 00-0155	EA		8" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	128.58 16.45	27.42
23 05 29 00-0156	EA		10" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	165.62 21.94	37.29
23 05 29 00-0157	EA		12" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	216.95 24.68	41.12
23 05 29 00-0158	EA		14" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	235.60 28.30	47.16
23 05 29 00-0159	EA		16" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	285.04 32.90	54.84
23 05 29 00-0160	EA		18" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	386.80 41.13	68.54
23 05 29 00-0161	EA		20" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	479.86 49.35	82.25
<b>23 05 29 00-0162 Adjustable Roller Support (Cooper B-Line B3122) (23 05 29 00-0123)</b>					
23 05 29 00-0163	EA		2" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	57.71 8.23	14.26
23 05 29 00-0164	EA		2-1/2" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	65.22 8.82	14.69
23 05 29 00-0165	EA		3" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	68.47 9.40	15.36
23 05 29 00-0166	EA		3-1/2" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	72.37 9.87	16.45
23 05 29 00-0167	EA		4" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	87.77 10.97	18.64
23 05 29 00-0168	EA		5" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	99.84 12.04	20.07
23 05 29 00-0169	EA		6" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	116.96 13.16	21.94
23 05 29 00-0170	EA		8" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	166.75 16.45	27.42
23 05 29 00-0171	EA		10" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	206.78 21.94	37.29
23 05 29 00-0172	EA		12" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	239.73 24.68	41.12
23 05 29 00-0173	EA		14" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	344.69 28.30	47.16
23 05 29 00-0174	EA		16" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	414.06 32.90	54.84
23 05 29 00-0175	EA		18" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	467.09 41.13	68.54
<b>23 05 29 00-0176 Adjustable Double Roller Support (Cooper B-Line B3122A) (23 05 29 00-0123)</b>					
23 05 29 00-0177	EA		2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	58.14 8.23	14.26
23 05 29 00-0178	EA		2-1/2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	65.61 8.82	14.69
23 05 29 00-0179	EA		3" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	69.12 9.40	15.36
23 05 29 00-0180	EA		3-1/2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	71.80 9.87	16.45
23 05 29 00-0181	EA		4" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	92.15 10.97	18.64
23 05 29 00-0182	EA		5" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	105.00 12.04	20.07
23 05 29 00-0183	EA		6" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	123.11 13.16	21.94
23 05 29 00-0184	EA		8" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	176.28 16.45	27.42
23 05 29 00-0185	EA		10" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	218.21 21.94	37.29
23 05 29 00-0186	EA		12" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	253.12 24.68	41.12
23 05 29 00-0187	EA		14" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	366.09 28.30	47.16
<b>23 05 29 00-0188 Pipe And Riser Clamps (23 05 29 00-0001)</b> Note: Includes bolts and weldless eye nuts.					
<b>23 05 29 00-0189 Steel Pipe Clamp (Cooper B-Line B3140) (23 05 29 00-0188)</b> Note: Type 4.					
23 05 29 00-0190	EA		1/2" Steel Pipe Clamp (Cooper B-Line B3140)..... <i>For Work In Restricted Working Space, Add</i>	18.76 3.92	6.54
23 05 29 00-0191	EA		3/4" Steel Pipe Clamp (Cooper B-Line B3140)..... <i>For Work In Restricted Working Space, Add</i>	18.98 3.99	6.65
23 05 29 00-0192	EA		1" Steel Pipe Clamp (Cooper B-Line B3140)..... <i>For Work In Restricted Working Space, Add</i>	19.23 4.05	6.76

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 05 29 00-0193	EA	1-1/4" Steel Pipe Clamp (Cooper B-Line B3140)	21.18	6.87
		<i>For Work In Restricted Working Space, Add</i>	4.12	
23 05 29 00-0194	EA	1-1/2" Steel Pipe Clamp (Cooper B-Line B3140)	21.40	6.97
		<i>For Work In Restricted Working Space, Add</i>	4.19	
23 05 29 00-0195	EA	2" Steel Pipe Clamp (Cooper B-Line B3140)	22.93	7.08
		<i>For Work In Restricted Working Space, Add</i>	4.25	
23 05 29 00-0196	EA	2-1/2" Steel Pipe Clamp (Cooper B-Line B3140)	23.88	7.30
		<i>For Work In Restricted Working Space, Add</i>	4.38	
23 05 29 00-0197	EA	3" Steel Pipe Clamp (Cooper B-Line B3140)	25.40	7.52
		<i>For Work In Restricted Working Space, Add</i>	4.51	
23 05 29 00-0198	EA	3-1/2" Steel Pipe Clamp (Cooper B-Line B3140)	29.90	7.64
		<i>For Work In Restricted Working Space, Add</i>	4.58	
23 05 29 00-0199	EA	4" Steel Pipe Clamp (Cooper B-Line B3140)	34.26	9.82
		<i>For Work In Restricted Working Space, Add</i>	5.89	
23 05 29 00-0200	EA	5" Steel Pipe Clamp (Cooper B-Line B3140)	49.55	13.08
		<i>For Work In Restricted Working Space, Add</i>	7.85	
23 05 29 00-0201	EA	6" Steel Pipe Clamp (Cooper B-Line B3140)	68.57	16.36
		<i>For Work In Restricted Working Space, Add</i>	9.81	
23 05 29 00-0202	EA	8" Steel Pipe Clamp (Cooper B-Line B3140)	80.79	19.08
		<i>For Work In Restricted Working Space, Add</i>	11.45	
23 05 29 00-0203	EA	10" Steel Pipe Clamp (Cooper B-Line B3140)	120.46	21.80
		<i>For Work In Restricted Working Space, Add</i>	13.08	
23 05 29 00-0204	EA	12" Steel Pipe Clamp (Cooper B-Line B3140)	166.84	23.98
		<i>For Work In Restricted Working Space, Add</i>	14.39	
23 05 29 00-0205	EA	14" Steel Pipe Clamp (Cooper B-Line B3140)	275.43	26.16
		<i>For Work In Restricted Working Space, Add</i>	15.70	
23 05 29 00-0206	EA	16" Steel Pipe Clamp (Cooper B-Line B3140)	298.56	28.34
		<i>For Work In Restricted Working Space, Add</i>	17.00	
23 05 29 00-0207	EA	18" Steel Pipe Clamp (Cooper B-Line B3140)	491.93	30.52
		<i>For Work In Restricted Working Space, Add</i>	18.31	
23 05 29 00-0208	EA	20" Steel Pipe Clamp (Cooper B-Line B3140)	570.03	32.70
		<i>For Work In Restricted Working Space, Add</i>	19.62	
23 05 29 00-0209	EA	24" Steel Pipe Clamp (Cooper B-Line B3140)	745.88	35.98
		<i>For Work In Restricted Working Space, Add</i>	21.58	

**23 05 29 00-0210 Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) (23 05 29 00-0188)**

23 05 29 00-0211	EA	3" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	41.27	7.06
		<i>For Work In Restricted Working Space, Add</i>	4.21	
23 05 29 00-0212	EA	4" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	55.26	7.06
		<i>For Work In Restricted Working Space, Add</i>	4.21	
23 05 29 00-0213	EA	5" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	60.86	7.32
		<i>For Work In Restricted Working Space, Add</i>	4.39	
23 05 29 00-0214	EA	6" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	99.11	7.57
		<i>For Work In Restricted Working Space, Add</i>	4.57	
23 05 29 00-0215	EA	8" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	107.94	8.07
		<i>For Work In Restricted Working Space, Add</i>	4.84	
23 05 29 00-0216	EA	10" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	187.57	8.07
		<i>For Work In Restricted Working Space, Add</i>	4.83	
23 05 29 00-0217	EA	12" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	305.43	9.09
		<i>For Work In Restricted Working Space, Add</i>	5.45	
23 05 29 00-0218	EA	14" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	388.18	10.10
		<i>For Work In Restricted Working Space, Add</i>	6.06	
23 05 29 00-0219	EA	16" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	421.55	12.11
		<i>For Work In Restricted Working Space, Add</i>	7.27	
23 05 29 00-0220	EA	18" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	1,321.95	14.13
		<i>For Work In Restricted Working Space, Add</i>	8.48	
23 05 29 00-0221	EA	20" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	1,520.04	15.15
		<i>For Work In Restricted Working Space, Add</i>	9.08	
23 05 29 00-0222	EA	24" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	1,948.53	16.15
		<i>For Work In Restricted Working Space, Add</i>	9.69	

**23 05 29 00-0223 Steel Riser Clamp (Cooper B-Line B3373) (23 05 29 00-0188)**

Note: Type 8.

23 05 29 00-0224	EA	1/2" Steel Riser Clamp (Cooper B-Line B3373)	19.21	6.06
		<i>For Work In Restricted Working Space, Add</i>	3.63	
23 05 29 00-0225	EA	3/4" Steel Riser Clamp (Cooper B-Line B3373)	20.08	6.16
		<i>For Work In Restricted Working Space, Add</i>	3.70	
23 05 29 00-0226	EA	1" Steel Riser Clamp (Cooper B-Line B3373)	20.36	6.26
		<i>For Work In Restricted Working Space, Add</i>	3.76	
23 05 29 00-0227	EA	1-1/4" Steel Riser Clamp (Cooper B-Line B3373)	22.21	6.36
		<i>For Work In Restricted Working Space, Add</i>	3.82	
23 05 29 00-0228	EA	1-1/2" Steel Riser Clamp (Cooper B-Line B3373)	23.15	6.46
		<i>For Work In Restricted Working Space, Add</i>	3.88	
23 05 29 00-0229	EA	2" Steel Riser Clamp (Cooper B-Line B3373)	23.74	6.56
		<i>For Work In Restricted Working Space, Add</i>	3.94	
23 05 29 00-0230	EA	2-1/2" Steel Riser Clamp (Cooper B-Line B3373)	24.78	6.76
		<i>For Work In Restricted Working Space, Add</i>	4.06	
23 05 29 00-0231	EA	3" Steel Riser Clamp (Cooper B-Line B3373)	26.37	6.96
		<i>For Work In Restricted Working Space, Add</i>	4.18	
23 05 29 00-0232	EA	3-1/2" Steel Riser Clamp (Cooper B-Line B3373)	29.25	7.06
		<i>For Work In Restricted Working Space, Add</i>	4.24	
23 05 29 00-0233	EA	4" Steel Riser Clamp (Cooper B-Line B3373)	35.29	9.09
		<i>For Work In Restricted Working Space, Add</i>	5.45	
23 05 29 00-0234	EA	5" Steel Riser Clamp (Cooper B-Line B3373)	45.46	12.11
		<i>For Work In Restricted Working Space, Add</i>	7.27	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0235	EA		6" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	57.75 9.08	15.15
23 05 29 00-0236	EA		8" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	80.30 10.60	17.67
23 05 29 00-0237	EA		10" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	106.92 12.11	20.19
23 05 29 00-0238	EA		12" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	130.37 13.33	22.21
23 05 29 00-0239	EA		14" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	177.77 14.54	24.23
23 05 29 00-0240	EA		16" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	347.70 15.75	26.25
<b>23 05 29 00-0241</b>			<b>Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) (23 05 29 00-0188)</b>		
23 05 29 00-0242	EA		1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)..... <i>For Work In Restricted Working Space, Add</i>	36.11 3.63	6.06
23 05 29 00-0243	EA		3/4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)..... <i>For Work In Restricted Working Space, Add</i>	36.67 3.70	6.16
23 05 29 00-0244	EA		1" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)..... <i>For Work In Restricted Working Space, Add</i>	38.25 3.76	6.26
23 05 29 00-0245	EA		1-1/4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)..... <i>For Work In Restricted Working Space, Add</i>	41.05 3.82	6.36
23 05 29 00-0246	EA		1-1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)..... <i>For Work In Restricted Working Space, Add</i>	46.71 3.88	6.46
23 05 29 00-0247	EA		2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)..... <i>For Work In Restricted Working Space, Add</i>	49.77 3.94	6.56
23 05 29 00-0248	EA		2-1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)..... <i>For Work In Restricted Working Space, Add</i>	54.03 4.06	6.76
23 05 29 00-0249	EA		3" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)..... <i>For Work In Restricted Working Space, Add</i>	59.59 4.18	6.96
23 05 29 00-0250	EA		4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)..... <i>For Work In Restricted Working Space, Add</i>	80.86 5.45	9.09
<b>23 05 29 00-0251</b>			<b>Copper Tubing Riser Clamp (Cooper B-Line B3373CT) (23 05 29 00-0188)</b>		
23 05 29 00-0252	EA		1/2" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	33.73	6.06
23 05 29 00-0253	EA		3/4" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	33.94	6.16
23 05 29 00-0254	EA		1" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	34.14	6.26
23 05 29 00-0255	EA		1-1/4" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	35.04	6.36
23 05 29 00-0256	EA		1-1/2" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	40.18	6.46
23 05 29 00-0257	EA		2" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	41.86	6.56
23 05 29 00-0258	EA		2-1/2" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	47.38	6.76
23 05 29 00-0259	EA		3" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	53.09	6.96
23 05 29 00-0260	EA		3-1/2" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	66.14	7.06
23 05 29 00-0261	EA		4" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	70.70	9.09
23 05 29 00-0262	EA		5" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	93.99	12.11
23 05 29 00-0263	EA		6" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	120.14	15.15
<b>23 05 29 00-0264</b>			<b>Two Bolt Steel Underground Clamp (Cooper B-Line B3132) (23 05 29 00-0188)</b>		
			Note: Type 42		
23 05 29 00-0265	EA		4" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)..... <i>For Work In Restricted Working Space, Add</i>	84.47 4.21	7.06
23 05 29 00-0266	EA		6" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)..... <i>For Work In Restricted Working Space, Add</i>	89.58 4.57	7.57
23 05 29 00-0267	EA		8" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)..... <i>For Work In Restricted Working Space, Add</i>	98.50 4.84	8.07
23 05 29 00-0268	EA		10" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)..... <i>For Work In Restricted Working Space, Add</i>	105.43 4.83	8.07
23 05 29 00-0269	EA		12" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)..... <i>For Work In Restricted Working Space, Add</i>	127.87 5.45	9.09
23 05 29 00-0270	EA		14" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)..... <i>For Work In Restricted Working Space, Add</i>	405.93 6.06	10.10
23 05 29 00-0271	EA		16" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)..... <i>For Work In Restricted Working Space, Add</i>	544.50 7.27	12.11
23 05 29 00-0272	EA		18" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)..... <i>For Work In Restricted Working Space, Add</i>	648.96 8.48	14.13
23 05 29 00-0273	EA		20" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)..... <i>For Work In Restricted Working Space, Add</i>	948.01 9.08	15.15
23 05 29 00-0274	EA		24" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)..... <i>For Work In Restricted Working Space, Add</i>	1,308.91 9.69	16.15
<b>23 05 29 00-0275</b>			<b>Four Bolt Steel Underground Clamp (Cooper B-Line B3134) (23 05 29 00-0188)</b>		
23 05 29 00-0276	EA		4" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)..... <i>For Work In Restricted Working Space, Add</i>	77.70 4.21	7.06
23 05 29 00-0277	EA		6" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)..... <i>For Work In Restricted Working Space, Add</i>	83.78 4.57	7.57
23 05 29 00-0278	EA		8" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)..... <i>For Work In Restricted Working Space, Add</i>	148.96 4.84	8.07
23 05 29 00-0279	EA		10" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)..... <i>For Work In Restricted Working Space, Add</i>	166.08 4.83	8.07
23 05 29 00-0280	EA		12" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)..... <i>For Work In Restricted Working Space, Add</i>	239.70 5.45	9.09
23 05 29 00-0281	EA		14" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)..... <i>For Work In Restricted Working Space, Add</i>	369.42 6.06	10.10

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 05 29 00-0282	EA 16" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)..... <i>For Work In Restricted Working Space, Add</i>	496.24 7.27	12.11
23 05 29 00-0283	EA 18" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)..... <i>For Work In Restricted Working Space, Add</i>	590.78 8.48	14.13
23 05 29 00-0284	EA 20" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)..... <i>For Work In Restricted Working Space, Add</i>	866.29 9.08	15.15
23 05 29 00-0285	EA 24" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)..... <i>For Work In Restricted Working Space, Add</i>	1,187.95 9.69	16.15
<b>23 05 29 00-0286</b>	<b>Split Pipe Clamps And Rings (23 05 29 00-0001)</b>		
<b>23 05 29 00-0287</b>	<b>Adjustable Split Ring Swivel Hanger (Cooper B-Line B3171) (23 05 29 00-0286)</b> Note: Type 6.		
23 05 29 00-0288	EA 3/4" Adjustable Swivel Ring (Cooper B-Line B3171) ..... <i>For Work In Restricted Working Space, Add</i>	32.19 5.56	9.26
23 05 29 00-0289	EA 1" Adjustable Swivel Ring (Cooper B-Line B3171) ..... <i>For Work In Restricted Working Space, Add</i>	34.09 5.89	9.82
23 05 29 00-0290	EA 1-1/4" Adjustable Swivel Ring (Cooper B-Line B3171) ..... <i>For Work In Restricted Working Space, Add</i>	36.96 6.54	10.90
23 05 29 00-0291	EA 1-1/2" Adjustable Swivel Ring (Cooper B-Line B3171) ..... <i>For Work In Restricted Working Space, Add</i>	39.97 6.87	11.44
23 05 29 00-0292	EA 2" Adjustable Swivel Ring (Cooper B-Line B3171) ..... <i>For Work In Restricted Working Space, Add</i>	43.35 7.19	12.00
23 05 29 00-0293	EA 2-1/2" Adjustable Swivel Ring (Cooper B-Line B3171) ..... <i>For Work In Restricted Working Space, Add</i>	54.59 7.52	12.54
23 05 29 00-0294	EA 3" Adjustable Swivel Ring (Cooper B-Line B3171) ..... <i>For Work In Restricted Working Space, Add</i>	60.21 7.85	13.08
23 05 29 00-0295	EA 4" Adjustable Swivel Ring (Cooper B-Line B3171) ..... <i>For Work In Restricted Working Space, Add</i>	81.39 8.83	14.72
23 05 29 00-0296	EA 5" Adjustable Swivel Ring (Cooper B-Line B3171) ..... <i>For Work In Restricted Working Space, Add</i>	103.56 11.12	18.54
23 05 29 00-0297	EA 6" Adjustable Swivel Ring (Cooper B-Line B3171) ..... <i>For Work In Restricted Working Space, Add</i>	139.86 13.08	21.80
<b>23 05 29 00-0298</b>	<b>Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R) (23 05 29 00-0286)</b> Note: Type 11.		
23 05 29 00-0299	EA 1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	20.08 4.70	7.68
23 05 29 00-0300	EA 3/4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	21.21 4.91	7.68
23 05 29 00-0301	EA 1" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	23.30 5.48	9.86
23 05 29 00-0302	EA 1-1/4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	25.47 5.77	9.86
23 05 29 00-0303	EA 1-1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	28.81 5.98	9.86
23 05 29 00-0304	EA 2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	34.02 6.58	10.96
23 05 29 00-0305	EA 2-1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	46.96 6.85	10.96
23 05 29 00-0306	EA 3" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	52.60 7.15	12.06
23 05 29 00-0307	EA 4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	55.82 7.83	13.16
<b>23 05 29 00-0308</b>	<b>Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H) (23 05 29 00-0286)</b> Note: Type 12.		
23 05 29 00-0309	EA 1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)..... <i>For Work In Restricted Working Space, Add</i>	20.08 4.70	7.68
23 05 29 00-0310	EA 3/4" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)..... <i>For Work In Restricted Working Space, Add</i>	21.21 4.91	8.22
23 05 29 00-0311	EA 1" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)..... <i>For Work In Restricted Working Space, Add</i>	23.30 5.48	9.32
23 05 29 00-0312	EA 1-1/4" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)..... <i>For Work In Restricted Working Space, Add</i>	25.47 5.77	9.86
23 05 29 00-0313	EA 1-1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)..... <i>For Work In Restricted Working Space, Add</i>	28.81 5.98	9.86
23 05 29 00-0314	EA 2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)..... <i>For Work In Restricted Working Space, Add</i>	34.02 6.58	10.96
23 05 29 00-0315	EA 2-1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)..... <i>For Work In Restricted Working Space, Add</i>	46.96 6.85	11.51
23 05 29 00-0316	EA 3" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)..... <i>For Work In Restricted Working Space, Add</i>	52.60 7.15	12.06
<b>23 05 29 00-0317</b>	<b>Pipe Straps (23 05 29 00-0001)</b>		
<b>23 05 29 00-0318</b>	<b>Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B-3180) (23 05 29 00-0317)</b>		
23 05 29 00-0319	EA 1/2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)..... <i>For Work In Restricted Working Space, Add</i>	13.57 3.29	5.48
23 05 29 00-0320	EA 3/4" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)..... <i>For Work In Restricted Working Space, Add</i>	14.15 3.46	6.58
23 05 29 00-0321	EA 1" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)..... <i>For Work In Restricted Working Space, Add</i>	14.79 3.65	6.58

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0322	EA		1-1/4" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) ..... <i>For Work In Restricted Working Space, Add</i>	15.63 3.87	6.58
23 05 29 00-0323	EA		1-1/2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) ..... <i>For Work In Restricted Working Space, Add</i>	16.52 4.11	7.68
23 05 29 00-0324	EA		2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) ..... <i>For Work In Restricted Working Space, Add</i>	19.27 4.39	7.68
23 05 29 00-0325	EA		2-1/2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) ..... <i>For Work In Restricted Working Space, Add</i>	24.06 4.70	7.68
23 05 29 00-0326	EA		3" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) ..... <i>For Work In Restricted Working Space, Add</i>	31.56 5.06	7.68
23 05 29 00-0327	EA		4" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) ..... <i>For Work In Restricted Working Space, Add</i>	37.44 5.92	9.86
23 05 29 00-0328	EA		6" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) ..... <i>For Work In Restricted Working Space, Add</i>	46.33 6.58	10.96
23 05 29 00-0329	EA		8" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) ..... <i>For Work In Restricted Working Space, Add</i>	58.48 7.23	12.06
<b>23 05 29 00-0330</b>			<b>Two Hole Copper-Clad Pipe Straps</b> (23 05 29 00-0317)		
23 05 29 00-0331	EA		1/2" Two Hole Copper-Clad Pipe Strap ..... <i>For Work In Restricted Working Space, Add</i>	6.12 1.64	
23 05 29 00-0332	EA		3/4" Two Hole Copper-Clad Pipe Strap ..... <i>For Work In Restricted Working Space, Add</i>	6.50 1.73	
23 05 29 00-0333	EA		1" Two Hole Copper-Clad Pipe Strap ..... <i>For Work In Restricted Working Space, Add</i>	7.34 1.81	
23 05 29 00-0334	EA		1-1/4" Two Hole Copper-Clad Pipe Strap ..... <i>For Work In Restricted Working Space, Add</i>	8.21 1.89	
23 05 29 00-0335	EA		1-1/2" Two Hole Copper-Clad Pipe Strap ..... <i>For Work In Restricted Working Space, Add</i>	8.84 1.97	
23 05 29 00-0336	EA		2" Two Hole Copper-Clad Pipe Strap ..... <i>For Work In Restricted Working Space, Add</i>	9.59 2.14	
<b>23 05 29 00-0337</b>			<b>One Hole Galvanized Steel Pipe Straps</b> (23 05 29 00-0317)		
23 05 29 00-0338	EA		1/2" One Hole Galvanized Steel Pipe Strap (Anvil 185D) ..... <i>For Work In Restricted Working Space, Add</i>	2.98 0.55	
23 05 29 00-0339	EA		3/4" One Hole Galvanized Steel Pipe Strap (Anvil 185D) ..... <i>For Work In Restricted Working Space, Add</i>	3.60 0.59	
23 05 29 00-0340	EA		1" One Hole Galvanized Steel Pipe Strap (Anvil 185D) ..... <i>For Work In Restricted Working Space, Add</i>	3.87 0.63	
23 05 29 00-0341	EA		1-1/4" Galvanized Steel Strap, 1 Hole ..... <i>For Work In Restricted Working Space, Add</i>	4.17 0.69	
23 05 29 00-0342	EA		1-1/2" Galvanized Steel Strap, 1 Hole ..... <i>For Work In Restricted Working Space, Add</i>	4.46 0.75	
23 05 29 00-0343	EA		2" Galvanized Steel Strap, 1 Hole ..... <i>For Work In Restricted Working Space, Add</i>	4.99 0.82	
<b>23 05 29 00-0344</b>			<b>Pipe and Equipment Support Brackets</b> (23 05 29 00-0001)		
<b>23 05 29 00-0345</b>			<b>Pipe and Equipment Supports, Light Duty Welded Steel Bracket (Cooper B-Line B3068)</b> (23 05 29 00-0344) Note: Up to 750# load.		
23 05 29 00-0346	EA		9" x 9" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068) ..... <i>For Galvanized, Add</i> <i>For Work In Restricted Working Space, Add</i>	141.34 23.42 7.27	12.11
23 05 29 00-0347	EA		13" x 13" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068) ..... <i>For Galvanized, Add</i> <i>For Work In Restricted Working Space, Add</i>	143.48 23.85 7.27	12.11
23 05 29 00-0348	EA		19" x 19" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068) ..... <i>For Galvanized, Add</i> <i>For Work In Restricted Working Space, Add</i>	151.95 25.54 7.27	12.11
<b>23 05 29 00-0349</b>			<b>Pipe and Equipment Supports, Medium Duty Welded Steel Bracket (Cooper B-Line B3066)</b> (23 05 29 00-0344) Note: Up to 1500# load.		
23 05 29 00-0350	EA		12" Wide x 18" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066) ..... <i>For Galvanized, Add</i> <i>For Work In Restricted Working Space, Add</i>	348.27 64.81 7.27	12.11
23 05 29 00-0351	EA		18" Wide x 24" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066) ..... <i>For Galvanized, Add</i> <i>For Work In Restricted Working Space, Add</i>	409.19 76.99 7.27	12.11
23 05 29 00-0352	EA		24" Wide x 30" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066) ..... <i>For Galvanized, Add</i> <i>For Work In Restricted Working Space, Add</i>	533.41 101.84 7.27	12.11
<b>23 05 29 00-0353</b>			<b>Pipe Alignment Guide</b> (23 05 29 00-0001)		
<b>23 05 29 00-0354</b>			<b>Pipe Alignment Guide, 1" Insulation</b> (23 05 29 00-0353)		
23 05 29 00-0355	EA		1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1/2).....	825.82	19.18
23 05 29 00-0356	EA		3/4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-3/4).....	826.82	19.68
23 05 29 00-0357	EA		1" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1).....	827.83	20.19
23 05 29 00-0358	EA		1-1/4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1-1/4).....	828.84	20.70
23 05 29 00-0359	EA		1-1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1-1/2).....	906.55	21.20
23 05 29 00-0360	EA		2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-2).....	922.52	23.22

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 05 29 00-0361	EA	2-1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-2-1/2).....	924.03	23.98
23 05 29 00-0362	EA	3" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-3).....	925.55	24.73
23 05 29 00-0363	EA	4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-4).....	979.46	26.25
23 05 29 00-0364	EA	5" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-5).....	1,138.02	33.32
23 05 29 00-0365	EA	6" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-6).....	1,152.15	40.38
23 05 29 00-0366	EA	8" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-8).....	1,290.89	50.48
23 05 29 00-0367	EA	10" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-10).....	2,437.47	60.57
23 05 29 00-0368	EA	12" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-12).....	3,727.26	80.76
23 05 29 00-0369	EA	14" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-14).....	4,584.19	100.95
23 05 29 00-0370	EA	16" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-16).....	5,528.81	113.07
23 05 29 00-0371	EA	18" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-18).....	5,956.74	126.20
23 05 29 00-0372	EA	20" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-20).....	6,314.77	144.37
23 05 29 00-0373	EA	24" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-24).....	8,003.47	151.43

**23 05 29 00-0374 Pipe Alignment Guide, 1-1/2" Insulation (23 05 29 00-0353)**

23 05 29 00-0375	EA	1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1/2).....	826.82	19.68
23 05 29 00-0376	EA	3/4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-3/4).....	904.53	20.19
23 05 29 00-0377	EA	1" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1).....	905.54	20.70
23 05 29 00-0378	EA	1-1/4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1-1/4).....	906.55	21.20
23 05 29 00-0379	EA	1-1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1-1/2).....	907.56	21.71
23 05 29 00-0380	EA	2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-2).....	923.53	23.72
23 05 29 00-0381	EA	2-1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-2-1/2).....	925.04	24.48
23 05 29 00-0382	EA	3" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-3).....	977.44	25.24
23 05 29 00-0383	EA	4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-4).....	980.46	26.76
23 05 29 00-0384	EA	5" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-5).....	1,139.54	34.07
23 05 29 00-0385	EA	6" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-6).....	1,154.17	41.39
23 05 29 00-0386	EA	8" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-8).....	1,293.42	51.74
23 05 29 00-0387	EA	10" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-10).....	2,440.49	62.09
23 05 29 00-0388	EA	12" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-12).....	3,731.30	82.78
23 05 29 00-0389	EA	14" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-14).....	4,589.24	103.48
23 05 29 00-0390	EA	16" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-16).....	5,534.87	116.10
23 05 29 00-0391	EA	18" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-18).....	5,962.80	129.22
23 05 29 00-0392	EA	20" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-20).....	6,321.84	147.90
23 05 29 00-0393	EA	24" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-24).....	8,011.05	155.22

**23 05 29 00-0394 Pipe Alignment Guide, 2" Insulation (23 05 29 00-0353)**

23 05 29 00-0395	EA	1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1/2).....	904.53	20.19
23 05 29 00-0396	EA	3/4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-3/4).....	917.47	20.70
23 05 29 00-0397	EA	1" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1).....	918.48	21.20
23 05 29 00-0398	EA	1-1/4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1-1/4).....	919.49	21.71
23 05 29 00-0399	EA	1-1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1-1/2).....	920.50	22.21
23 05 29 00-0400	EA	2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-2).....	975.41	24.23
23 05 29 00-0401	EA	2-1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-2-1/2).....	977.44	25.24
23 05 29 00-0402	EA	3" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-3).....	978.70	25.87
23 05 29 00-0403	EA	4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-4).....	1,125.90	27.26
23 05 29 00-0404	EA	5" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-5).....	1,141.05	34.83
23 05 29 00-0405	EA	6" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-6).....	1,274.75	42.40
23 05 29 00-0406	EA	8" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-8).....	1,427.25	53.00
23 05 29 00-0407	EA	10" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-10).....	2,443.52	63.60
23 05 29 00-0408	EA	12" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-12).....	3,735.33	84.81
23 05 29 00-0409	EA	14" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-14).....	4,594.29	106.00
23 05 29 00-0410	EA	16" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-16).....	5,540.70	119.01
23 05 29 00-0411	EA	18" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-18).....	5,969.36	132.50
23 05 29 00-0412	EA	20" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-20).....	6,328.90	151.43
23 05 29 00-0413	EA	24" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-24).....	8,018.62	159.00

**23 05 29 00-0414 Pipe Alignment Guide, 2-1/2" Insulation (23 05 29 00-0353)**

23 05 29 00-0415	EA	1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1/2).....	917.47	20.70
23 05 29 00-0416	EA	3/4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-3/4).....	969.36	21.20
23 05 29 00-0417	EA	1" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1).....	970.37	21.71
23 05 29 00-0418	EA	1-1/4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1-1/4).....	971.38	22.21
23 05 29 00-0419	EA	1-1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1-1/2).....	972.39	22.72
23 05 29 00-0420	EA	2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-2).....	976.43	24.73
23 05 29 00-0421	EA	2-1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-2-1/2).....	978.70	25.87
23 05 29 00-0422	EA	3" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-3).....	1,124.39	26.50
23 05 29 00-0423	EA	4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-4).....	1,126.92	27.76
23 05 29 00-0424	EA	5" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-5).....	1,260.61	35.33
23 05 29 00-0425	EA	6" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-6).....	1,276.76	43.41
23 05 29 00-0426	EA	8" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-8).....	2,424.85	54.26
23 05 29 00-0427	EA	10" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-10).....	3,695.96	65.11
23 05 29 00-0428	EA	12" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-12).....	4,555.92	86.82
23 05 29 00-0429	EA	14" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-14).....	4,600.15	108.53
23 05 29 00-0430	EA	16" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-16).....	5,546.98	122.15
23 05 29 00-0431	EA	18" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-18).....	5,975.92	135.78
23 05 29 00-0432	EA	20" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-20).....	6,336.48	155.22
23 05 29 00-0433	EA	24" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-24).....	8,026.69	163.04

**23 05 29 00-0434 Pipe Alignment Guide, 3" Insulation (23 05 29 00-0353)**

23 05 29 00-0435	EA	1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1/2).....	969.36	21.20
23 05 29 00-0436	EA	3/4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-3/4).....	970.37	21.71
23 05 29 00-0437	EA	1" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1).....	971.38	22.21



Table with columns: MINOR, CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Contains multiple sections for Pipe Alignment Guide, Sway Bracing, and Pipe Stand.

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 05 Common Work Results for HVAC

23 05 29 Hangers and Supports for HVAC Piping and Equipment



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

Table with columns for CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, and DEMOLITION UNIT COST. Rows include items like '23 05 29 00-0502 EA 24" to 29" High Pipe Stand With Adjustable Saddle For 2" Pipe' and '23 05 29 00-0503 EA 24" to 29" High Pipe Stand With Adjustable Saddle For 2-1/2" Pipe'.

23 05 29 00-0517 Pipe Isolators Wrap At Hanger (23 05 29 00-0001)

Note: Superstrut S-176.

Table row: 23 05 29 00-0518 LF Pipe Isolator Wrap (Cooper B-LINE B-1999) .....6.63

23 05 29 00-0519 Channel Mounted Cushion Clamp (23 05 29 00-0001)

Note: Includes fastening into channel.

Table with multiple rows for Channel Mounted Cushion Clamps, including '23 05 29 00-0520 EA 1/2" Channel Mounted Cushion Clamp For 3/8" Pipe' and '23 05 29 00-0521 EA 5/8" Channel Mounted Cushion Clamp For 1/2" Pipe'.

23 05 29 00-0530 Galvanized Steel Cushion Tube Clamp (KMC) (23 05 29 00-0001)

Note: Excludes fastening bolt and drilling if necessary.

Table with multiple rows for Galvanized Steel Cushion Tube Clamps, including '23 05 29 00-0531 EA 1/2" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3/8" Pipe' and '23 05 29 00-0532 EA 1/2" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3/8" Pipe'.

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0541 EA 1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1-1/4" Pipe ..... Note: 1-7/32" Center To Center Length, 13/32" Hole Diameter For Screw	4.38	
23 05 29 00-0542 EA 1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1-1/4" Pipe ..... Note: 1-11/16" Center To Center Length, 17/32" Hole Diameter For Screw	4.94	
23 05 29 00-0543 EA 1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1-1/2" Pipe ..... Note: 1-5/16" Center To Center Length, 9/32" Hole Diameter For Screw	4.39	
23 05 29 00-0544 EA 1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1-1/2" Pipe ..... Note: 1-9/16" Center To Center Length, 13/32" Hole Diameter For Screw	4.76	
23 05 29 00-0545 EA 1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1-1/2" Pipe ..... Note: 1-13/16" Center To Center Length, 17/32" Hole Diameter For Screw	5.36	
23 05 29 00-0546 EA 2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 2" Pipe..... Note: 1-7/16" Center To Center Length, 9/32" Hole Diameter For Screw	5.41	
23 05 29 00-0547 EA 2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 2" Pipe..... Note: 1-9/16" Center To Center Length, 13/32" Hole Diameter For Screw	5.74	
23 05 29 00-0548 EA 2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 2" Pipe ..... Note: 1-11/16" Center To Center Length, 17/32" Hole Diameter For Screw	6.39	
23 05 29 00-0549 EA 2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 2-1/2" Pipe ..... Note: 1-11/16" Center To Center Length, 9/32" Hole Diameter For Screw	6.59	
23 05 29 00-0550 EA 2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 2-1/2" Pipe ..... Note: 1-13/16" Center To Center Length, 13/32" Hole Diameter For Screw	7.57	
23 05 29 00-0551 EA 2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 2-1/2" Pipe ..... Note: 1-15/16" Center To Center Length, 17/32" Hole Diameter For Screw	7.65	
23 05 29 00-0552 EA 3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3" Pipe..... Note: 1-15/16" Center To Center Length, 9/32" Hole Diameter For Screw	6.79	
23 05 29 00-0553 EA 3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3" Pipe..... Note: 2-1/16" Center To Center Length, 13/32" Hole Diameter For Screw	7.57	
23 05 29 00-0554 EA 3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 3" Pipe ..... Note: 2-3/16" Center To Center Length, 17/32" Hole Diameter For Screw	8.05	
23 05 29 00-0555 EA 3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3-1/2" Pipe ..... Note: 2-3/16" Center To Center Length, 9/32" Hole Diameter For Screw	7.05	
23 05 29 00-0556 EA 3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3-1/2" Pipe ..... Note: 2-5/16" Center To Center Length, 13/32" Hole Diameter For Screw	7.52	
23 05 29 00-0557 EA 3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 3-1/2" Pipe ..... Note: 2-7/16" Center To Center Length, 17/32" Hole Diameter For Screw	9.36	
23 05 29 00-0558 EA 4" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 4" Pipe..... Note: 2-7/16" Center To Center Length, 9/32" Hole Diameter For Screw	6.99	
23 05 29 00-0559 EA 4" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 4" Pipe..... Note: 2-9/16" Center To Center Length, 13/32" Hole Diameter For Screw	7.68	
23 05 29 00-0560 EA 4" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 4" Pipe..... Note: 2-11/16" Center To Center Length, 17/32" Hole Diameter For Screw	9.76	
<b>23 05 29 00-0561</b> <b>Rooftop Pipe Supports</b> <small>(23 05 29 00-0001)</small> Note: Excludes pipe/conduit clamps and straps.		
<b>23 05 29 00-0562</b> <b>Rooftop Support Base</b> <small>(23 05 29 00-0561)</small>		
23 05 29 00-0563 EA 4" x 6" x 4.8" Rooftop Support Base (Cooper B-Line Dura-Blok DBM).....	41.64	8.22
23 05 29 00-0564 EA 4" x 6" x 9.6" Rooftop Support Base (Cooper B-Line Dura-Blok DBP).....	58.29	10.96
<b>23 05 29 00-0565</b> <b>Rooftop Support Base With 14 Gauge Galvanized Channel</b> <small>(23 05 29 00-0561)</small>		
23 05 29 00-0566 EA 5" x 6" x 4.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB5).....	47.92	8.22
23 05 29 00-0567 EA 5" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10).....	68.48	10.96
23 05 29 00-0568 EA 5" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB20).....	129.94	13.70
23 05 29 00-0569 EA 5" x 6" x 30.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB30).....	180.93	16.44
23 05 29 00-0570 EA 5" x 6" x 41.4" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB40).....	252.46	19.19
23 05 29 00-0571 EA 5" x 6" x 52" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB48).....	265.35	21.93
<b>23 05 29 00-0572</b> <b>Rooftop Support Base With 12 Gauge Galvanized Channel</b> <small>(23 05 29 00-0561)</small>		
23 05 29 00-0573 EA 6-7/16" x 6" x 9.6" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB610).....	85.14	10.96
23 05 29 00-0574 EA 6-7/16" x 6" x 20.2" Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB620).....	137.37	13.70
23 05 29 00-0575 EA 6-7/16" x 6" x 30.8" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB630).....	183.91	16.44
23 05 29 00-0576 EA 6-7/16" x 6" x 41.4" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB640).....	252.63	19.19
23 05 29 00-0577 EA 6-7/16" x 6" x 52" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB648).....	286.96	16.44
<b>23 05 29 00-0578</b> <b>Rooftop Bridge Support Base With 12 Gauge Galvanized Channel</b> <small>(23 05 29 00-0561)</small>		
23 05 29 00-0579 EA 5-5/8" x 6" x 28" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-28).....	143.63	16.44
23 05 29 00-0580 EA 5-5/8" x 6" x 36" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-36).....	163.34	19.19
23 05 29 00-0581 EA 5-5/8" x 6" x 42" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-42).....	168.76	21.93
23 05 29 00-0582 EA 5-5/8" x 6" x 50" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-50).....	184.36	24.67
23 05 29 00-0583 EA 5-5/8" x 6" x 60" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-60).....	238.18	27.41
<b>23 05 29 00-0584</b> <b>Rooftop Pipe Support Base And Rod</b> <small>(23 05 29 00-0561)</small>		
23 05 29 00-0585 EA 9.69" To 11.19" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1/2CT).....	104.87	10.96
23 05 29 00-0586 EA 9.84" To 11.34" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-3/4CT).....	104.87	10.96
23 05 29 00-0587 EA 9.95" To 11.45" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1CT).....	105.49	10.96
23 05 29 00-0588 EA 10.13" To 11.63" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/4CT).....	111.61	13.70
23 05 29 00-0589 EA 10.28" To 11.78" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/2CT).....	107.05	13.70
23 05 29 00-0590 EA 10.53" To 12.03" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-2CT).....	112.90	13.70

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0591		<b>Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly</b> <small>(23 05 29 00-0561)</small>		
23 05 29 00-0592	EA	7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR2-3 1/2).....	134.72	10.96
23 05 29 00-0593	EA	7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR4-6).....	151.09	10.96
23 05 29 00-0594	EA	8.34" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR8-10).....	198.41	13.70
23 05 29 00-0595	EA	9.38" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR12-14).....	265.32	13.70
23 05 29 00-0596	EA	9.78" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR16-20).....	364.69	13.70
23 05 29 00-0597		<b>Rooftop Support Base And Adjustable Height Roller Assembly</b> <small>(23 05 29 00-0561)</small> Note: Includes base, two zinc all threaded rod risers and pipe roller.		
23 05 29 00-0598	EA	Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Roller Assembly (Cooper B-Line Dura-Blok DBR10-12).....	166.31	16.44
23 05 29 00-0599		<b>Rooftop Support Base And Adjustable Height Channel Assembly</b> <small>(23 05 29 00-0561)</small> Note: Includes base, two zinc all threaded rod and 14 gauge slotted channel.		
23 05 29 00-0600	EA	Up To 8" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-8).....	107.36	13.70
23 05 29 00-0601	EA	Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-12).....	147.60	16.44
23 05 29 00-0602	EA	Up To 16" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-16).....	164.10	19.19
23 05 29 00-0603		<b>Rooftop Support Bases With Channel Support And Risers Assembly</b> <small>(23 05 29 00-0561)</small> Note: Includes two support bases, two 12 gauge galvanized channel risers and one 12 gauge galvanized channel support. Dimensions are "overall" (height x width x length).		
23 05 29 00-0604	EA	23" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2318DS).....	410.24	21.93
23 05 29 00-0605	EA	29" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2918DS).....	414.95	21.93
23 05 29 00-0606	EA	41" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4118DS).....	431.47	21.93
23 05 29 00-0607	EA	53" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5318DS).....	469.39	21.93
23 05 29 00-0608	EA	23" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2324DS).....	401.83	21.93
23 05 29 00-0609	EA	29" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2924DS).....	417.64	21.93
23 05 29 00-0610	EA	41" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4124DS).....	434.16	21.93
23 05 29 00-0611	EA	53" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5324DS).....	472.07	21.93
23 05 29 00-0612	EA	23" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2336DS).....	420.62	21.93
23 05 29 00-0613	EA	29" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2936DS).....	426.14	21.93
23 05 29 00-0614	EA	41" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4136DS).....	442.34	21.93
23 05 29 00-0615	EA	53" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5336DS).....	480.41	21.93
23 05 29 00-0616	EA	23" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2348DS).....	439.81	21.93
23 05 29 00-0617	EA	29" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2948DS).....	444.85	21.93
23 05 29 00-0618	EA	41" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4148DS).....	461.05	21.93
23 05 29 00-0619	EA	53" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5348DS).....	499.12	21.93
23 05 29 00-0620		<b>Threaded Rod, Accessories And Attachments</b> <small>(23 05 29)</small>		
23 05 29 00-0621		<b>Threaded Rod And Rod Accessories</b> <small>(23 05 29 00-0620)</small>		
23 05 29 00-0622		<b>Threaded Rod</b> <small>(23 05 29 00-0621)</small> Note: Fully threaded.		
23 05 29 00-0623	LF	3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	3.09	0.69
		For Galvanized, Add	0.69	
		For Zinc Plated, Add	0.49	
		For Work In Restricted Working Space, Add	0.41	
23 05 29 00-0624	LF	1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	4.20	0.74
		For Galvanized, Add	1.10	
		For Zinc Plated, Add	0.78	
		For Work In Restricted Working Space, Add	0.44	
23 05 29 00-0625	LF	5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	5.75	0.76
		For Galvanized, Add	1.70	
		For Zinc Plated, Add	1.21	
		For Work In Restricted Working Space, Add	0.45	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0626	LF		3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	9.26	0.78
			<i>For Galvanized, Add</i>	3.08	
			<i>For Zinc Plated, Add</i>	2.19	
			<i>For Work In Restricted Working Space, Add</i>	0.47	
23 05 29 00-0627	LF		7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	10.08	0.81
			<i>For Galvanized, Add</i>	3.39	
			<i>For Zinc Plated, Add</i>	2.41	
			<i>For Work In Restricted Working Space, Add</i>	0.48	
23 05 29 00-0628	LF		1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	13.71	0.91
			<i>For Galvanized, Add</i>	4.76	
			<i>For Zinc Plated, Add</i>	3.39	
			<i>For Work In Restricted Working Space, Add</i>	0.55	
23 05 29 00-0629	LF		1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	17.02	1.02
			<i>For Galvanized, Add</i>	6.00	
			<i>For Zinc Plated, Add</i>	4.27	
			<i>For Work In Restricted Working Space, Add</i>	0.61	
<b>23 05 29 00-0630</b>			<b>Rod Couplings</b> (23 05 29 00-062 1)		
23 05 29 00-0631	EA		3/8" Diameter, Threaded Rod Coupling Nut.....	8.41	
			<i>For Work In Restricted Working Space, Add</i>	2.02	
23 05 29 00-0632	EA		1/2" Diameter, Threaded Rod Coupling Nut.....	9.58	
			<i>For Work In Restricted Working Space, Add</i>	2.24	
23 05 29 00-0633	EA		5/8" Diameter, Threaded Rod Coupling Nut.....	12.15	
			<i>For Work In Restricted Working Space, Add</i>	2.53	
23 05 29 00-0634	EA		3/4" Diameter, Threaded Rod Coupling Nut.....	15.02	
			<i>For Work In Restricted Working Space, Add</i>	2.76	
23 05 29 00-0635	EA		7/8" Diameter, Threaded Rod Coupling Nut.....	22.64	
			<i>For Work In Restricted Working Space, Add</i>	3.03	
23 05 29 00-0636	EA		1" Diameter, Threaded Rod Coupling Nut.....	26.87	
			<i>For Work In Restricted Working Space, Add</i>	3.56	
23 05 29 00-0637	EA		1-1/8" Diameter, Threaded Rod Coupling Nut.....	53.14	
			<i>For Work In Restricted Working Space, Add</i>	4.04	
<b>23 05 29 00-0638</b>			<b>Flat Washers</b> (23 05 29 00-062 1)		
			Note: Zinc plated.		
23 05 29 00-0639	EA		3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.60	0.22
			<i>For Galvanized, Add</i>	0.04	
			<i>For Work In Restricted Working Space, Add</i>	0.14	
23 05 29 00-0640	EA		1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.83	0.22
			<i>For Galvanized, Add</i>	0.08	
			<i>For Work In Restricted Working Space, Add</i>	0.15	
23 05 29 00-0641	EA		5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.21	0.33
			<i>For Galvanized, Add</i>	0.15	
			<i>For Work In Restricted Working Space, Add</i>	0.18	
23 05 29 00-0642	EA		3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.67	0.33
			<i>For Galvanized, Add</i>	0.22	
			<i>For Work In Restricted Working Space, Add</i>	0.24	
23 05 29 00-0643	EA		7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.97	0.44
			<i>For Galvanized, Add</i>	0.26	
			<i>For Work In Restricted Working Space, Add</i>	0.28	
23 05 29 00-0644	EA		1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	2.31	0.44
			<i>For Galvanized, Add</i>	0.32	
			<i>For Work In Restricted Working Space, Add</i>	0.31	
23 05 29 00-0645	EA		1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	2.59	0.54
			<i>For Galvanized, Add</i>	0.36	
			<i>For Work In Restricted Working Space, Add</i>	0.34	
<b>23 05 29 00-0646</b>			<b>Hex Nuts</b> (23 05 29 00-062 1)		
			Note: Grade 2 and zinc plated.		
23 05 29 00-0647	EA		3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.74	0.27
			<i>For Galvanized, Add</i>	0.03	
			<i>For Work In Restricted Working Space, Add</i>	0.19	
23 05 29 00-0648	EA		1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.96	0.27
			<i>For Galvanized, Add</i>	0.07	
			<i>For Work In Restricted Working Space, Add</i>	0.21	
23 05 29 00-0649	EA		5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.34	0.27
			<i>For Galvanized, Add</i>	0.15	
			<i>For Work In Restricted Working Space, Add</i>	0.22	
23 05 29 00-0650	EA		3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.60	0.54
			<i>For Galvanized, Add</i>	0.21	
			<i>For Work In Restricted Working Space, Add</i>	0.23	
23 05 29 00-0651	EA		7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	2.36	0.54
			<i>For Galvanized, Add</i>	0.39	
			<i>For Work In Restricted Working Space, Add</i>	0.24	
23 05 29 00-0652	EA		1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	3.02	0.54
			<i>For Galvanized, Add</i>	0.53	
			<i>For Work In Restricted Working Space, Add</i>	0.28	
23 05 29 00-0653	EA		1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	5.00	0.54
			<i>For Galvanized, Add</i>	1.00	
			<i>For Work In Restricted Working Space, Add</i>	0.31	
<b>23 05 29 00-0654</b>			<b>Turnbuckle (Cooper B-Line B3202)</b> (23 05 29 00-062 1)		
			Note: Type 13.		
23 05 29 00-0655	EA		3/8" Turnbuckle (Cooper B-Line B3202).....	30.02	5.48
			<i>For Work In Restricted Working Space, Add</i>	3.29	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0656	EA		1/2" Turnbuckle (Cooper B-Line B3202) ..... <i>For Work In Restricted Working Space, Add</i>	35.88 3.65	6.03
23 05 29 00-0657	EA		5/8" Turnbuckle (Cooper B-Line B3202) ..... <i>For Work In Restricted Working Space, Add</i>	38.48 4.11	6.58
23 05 29 00-0658	EA		3/4" Turnbuckle (Cooper B-Line B3202) ..... <i>For Work In Restricted Working Space, Add</i>	48.86 4.70	7.68
23 05 29 00-0659	EA		7/8" Turnbuckle (Cooper B-Line B3202) ..... <i>For Work In Restricted Working Space, Add</i>	63.77 5.48	8.22
23 05 29 00-0660	EA		1" Turnbuckle (Cooper B-Line B3202) ..... <i>For Work In Restricted Working Space, Add</i>	79.36 6.58	8.78
23 05 29 00-0661	EA		1-1/8" Turnbuckle (Cooper B-Line B3202) ..... <i>For Work In Restricted Working Space, Add</i>	110.89 8.23	9.87
<b>23 05 29 00-0662</b>			<b>Swivel Turnbuckle (Cooper B-Line B3224)</b> (23 05 29 00-0621) Note: Type 15.		
23 05 29 00-0663	EA		3/8" Swivel Turnbuckle (Cooper B-Line B3224) ..... <i>For Work In Restricted Working Space, Add</i>	17.98 3.29	5.48
23 05 29 00-0664	EA		1/2" Swivel Turnbuckle (Cooper B-Line B3224) ..... <i>For Work In Restricted Working Space, Add</i>	20.93 3.65	6.13
23 05 29 00-0665	EA		5/8" Swivel Turnbuckle (Cooper B-Line B3224) ..... <i>For Work In Restricted Working Space, Add</i>	28.39 4.11	6.80
23 05 29 00-0666	EA		3/4" Swivel Turnbuckle (Cooper B-Line B3224) ..... <i>For Work In Restricted Working Space, Add</i>	34.56 4.70	7.79
<b>23 05 29 00-0667</b>			<b>Forged Steel Clevis (Cooper B-Line B3201)</b> (23 05 29 00-0621) Note: Type 14.		
23 05 29 00-0668	EA		3-9/16" Forged Steel Clevis With Pin, 3/8" To 5/8" Rod Size (Cooper B-Line B3201) ..... <i>For Work In Restricted Working Space, Add</i>	104.32 6.06	10.10
23 05 29 00-0669	EA		4" Forged Steel Clevis With Pin, 3/4" To 7/8" Rod Size (Cooper B-Line B3201) ..... <i>For Work In Restricted Working Space, Add</i>	156.12 6.38	10.60
23 05 29 00-0670	EA		5-1/16" Forged Steel Clevis With Pin, 1" Rod Size (Cooper B-Line B3201) ..... <i>For Work In Restricted Working Space, Add</i>	169.00 6.73	11.11
23 05 29 00-0671	EA		5-1/16" Forged Steel Clevis With Pin, 1-1/8" Rod Size (Cooper B-Line B3201) ..... <i>For Work In Restricted Working Space, Add</i>	175.88 7.13	12.11
23 05 29 00-0672	EA		5-1/16" Forged Steel Clevis With Pin, 1-1/4" Rod Size (Cooper B-Line B3201) ..... <i>For Work In Restricted Working Space, Add</i>	184.62 8.08	13.63
23 05 29 00-0673	EA		6" Forged Steel Clevis With Pin, 1-1/2" Rod Size (Cooper B-Line B3201) ..... <i>For Work In Restricted Working Space, Add</i>	310.12 10.60	17.67
23 05 29 00-0674	EA		5-15/16" Forged Steel Clevis With Pin, 1-3/4" Rod Size (Cooper B-Line B3201) ..... <i>For Work In Restricted Working Space, Add</i>	336.06 12.11	20.19
23 05 29 00-0675	EA		7" Forged Steel Clevis With Pin, 2" Rod Size (Cooper B-Line B3201) ..... <i>For Work In Restricted Working Space, Add</i>	395.44 15.14	25.24
<b>23 05 29 00-0676</b>			<b>Welded Eye Rod (Cooper B-Line B3211)</b> (23 05 29 00-0621)		
23 05 29 00-0677	EA		3/8" Diameter x 8" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	29.61 3.56	5.92
23 05 29 00-0678	EA		3/8" Diameter x 10" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	30.60 3.63	6.03
23 05 29 00-0679	EA		3/8" Diameter x 12" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	31.58 3.70	6.13
23 05 29 00-0680	EA		3/8" Diameter x 14" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	31.81 3.77	6.25
23 05 29 00-0681	EA		3/8" Diameter x 18" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	33.80 3.91	6.47
23 05 29 00-0682	EA		3/8" Diameter x 24" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	36.05 4.11	6.91
23 05 29 00-0683	EA		3/8" Diameter x 30" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	37.49 4.32	7.23
23 05 29 00-0684	EA		3/8" Diameter x 36" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	40.49 4.52	7.56
23 05 29 00-0685	EA		3/8" Diameter x 42" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	42.71 4.73	7.90
23 05 29 00-0686	EA		3/8" Diameter x 48" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	44.94 4.93	8.22
23 05 29 00-0687	EA		1/2" Diameter x 8" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	40.10 3.95	6.58
23 05 29 00-0688	EA		1/2" Diameter x 10" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	41.09 4.02	6.69
23 05 29 00-0689	EA		1/2" Diameter x 12" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	42.13 4.09	6.80
23 05 29 00-0690	EA		1/2" Diameter x 14" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	43.15 4.16	6.91
23 05 29 00-0691	EA		1/2" Diameter x 18" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	45.16 4.31	7.12
23 05 29 00-0692	EA		1/2" Diameter x 24" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	48.98 4.53	7.57
23 05 29 00-0693	EA		1/2" Diameter x 30" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	52.01 4.75	7.90
23 05 29 00-0694	EA		1/2" Diameter x 36" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	55.83 4.97	8.22
23 05 29 00-0695	EA		1/2" Diameter x 42" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	58.84 5.18	8.67
23 05 29 00-0696	EA		1/2" Diameter x 48" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	61.90 5.40	8.99

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0697	EA		5/8" Diameter x 8" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	54.76 4.42	7.35
23 05 29 00-0698	EA		5/8" Diameter x 10" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	56.53 4.49	7.46
23 05 29 00-0699	EA		5/8" Diameter x 12" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	58.35 4.57	7.57
23 05 29 00-0700	EA		5/8" Diameter x 14" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	59.37 4.64	7.79
23 05 29 00-0701	EA		5/8" Diameter x 18" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	62.18 4.79	8.00
23 05 29 00-0702	EA		5/8" Diameter x 24" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	66.79 5.02	8.33
23 05 29 00-0703	EA		5/8" Diameter x 30" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	71.38 5.25	8.78
23 05 29 00-0704	EA		5/8" Diameter x 36" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	75.22 5.48	9.10
23 05 29 00-0705	EA		5/8" Diameter x 42" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	79.83 5.70	9.54
23 05 29 00-0706	EA		5/8" Diameter x 48" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	84.42 5.93	9.87
23 05 29 00-0707	EA		3/4" Diameter x 8" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	67.53 5.02	8.33
23 05 29 00-0708	EA		3/4" Diameter x 10" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	70.11 5.09	8.44
23 05 29 00-0709	EA		3/4" Diameter x 12" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	71.90 5.17	8.67
23 05 29 00-0710	EA		3/4" Diameter x 14" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	74.47 5.25	8.78
23 05 29 00-0711	EA		3/4" Diameter x 18" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	78.84 5.41	8.99
23 05 29 00-0712	EA		3/4" Diameter x 24" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	84.98 5.64	9.43
23 05 29 00-0713	EA		3/4" Diameter x 30" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	91.16 5.87	9.76
23 05 29 00-0714	EA		3/4" Diameter x 36" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	98.11 6.11	10.20
23 05 29 00-0715	EA		3/4" Diameter x 42" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	105.01 6.34	10.53
23 05 29 00-0716	EA		3/4" Diameter x 48" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	111.19 6.57	10.96
23 05 29 00-0717	EA		7/8" Diameter x 8" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	80.97 5.82	9.65
23 05 29 00-0718	EA		7/8" Diameter x 10" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	84.32 5.90	9.87
23 05 29 00-0719	EA		7/8" Diameter x 12" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	86.91 5.98	9.98
23 05 29 00-0720	EA		7/8" Diameter x 14" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	89.48 6.06	10.09
23 05 29 00-0721	EA		7/8" Diameter x 18" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	94.66 6.23	10.42
23 05 29 00-0722	EA		7/8" Diameter x 24" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	103.15 6.47	10.75
23 05 29 00-0723	EA		7/8" Diameter x 30" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	110.88 6.71	11.19
23 05 29 00-0724	EA		7/8" Diameter x 36" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	119.40 6.96	11.63
23 05 29 00-0725	EA		7/8" Diameter x 42" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	127.13 7.20	11.95
23 05 29 00-0726	EA		7/8" Diameter x 48" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	134.88 7.44	12.39
23 05 29 00-0727	EA		1" Diameter x 8" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	101.66 6.95	11.63
23 05 29 00-0728	EA		1" Diameter x 10" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	105.05 7.04	11.74
23 05 29 00-0729	EA		1" Diameter x 12" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	108.44 7.13	11.84
23 05 29 00-0730	EA		1" Diameter x 14" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	111.82 7.22	12.06
23 05 29 00-0731	EA		1" Diameter x 18" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	118.57 7.40	12.39
23 05 29 00-0732	EA		1" Diameter x 24" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	128.73 7.68	12.83
23 05 29 00-0733	EA		1" Diameter x 30" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	138.89 7.95	13.27
23 05 29 00-0734	EA		1" Diameter x 36" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	149.77 8.23	13.70
23 05 29 00-0735	EA		1" Diameter x 42" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	159.93 8.50	14.15
23 05 29 00-0736	EA		1" Diameter x 48" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	170.10 8.78	14.58
<b>23 05 29 00-0737</b>			<b>Welded Linked Eye Rod (Cooper B-Line B3211X) (23 05 29 00-0621)</b>		
23 05 29 00-0738	EA		3/8" Diameter x 16" Length Shank, Linked Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	63.77 4.83	8.00
23 05 29 00-0739	EA		3/8" Diameter x 20" Length Shank, Linked Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	65.48 4.96	8.22
23 05 29 00-0740	EA		3/8" Diameter x 24" Length Shank, Linked Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	67.20 5.10	8.55

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0741	EA	3/8" Diameter x 30" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	67.89 5.30	8.88
23 05 29 00-0742	EA	3/8" Diameter x 36" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	71.11 5.51	9.21
23 05 29 00-0743	EA	3/8" Diameter x 48" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	75.10 5.92	9.86
23 05 29 00-0744	EA	3/8" Diameter x 60" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	77.72 6.33	10.53
23 05 29 00-0745	EA	3/8" Diameter x 72" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	82.96 6.74	11.29
23 05 29 00-0746	EA	1/2" Diameter x 16" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	83.05 5.33	8.89
23 05 29 00-0747	EA	1/2" Diameter x 20" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	84.80 5.48	9.10
23 05 29 00-0748	EA	1/2" Diameter x 24" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	86.61 5.62	9.32
23 05 29 00-0749	EA	1/2" Diameter x 30" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	88.62 5.84	9.76
23 05 29 00-0750	EA	1/2" Diameter x 36" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	91.89 6.06	10.09
23 05 29 00-0751	EA	1/2" Diameter x 48" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	98.48 6.50	10.85
23 05 29 00-0752	EA	1/2" Diameter x 60" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	103.81 6.94	11.52
23 05 29 00-0753	EA	1/2" Diameter x 72" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	110.41 7.37	12.28
23 05 29 00-0754	EA	5/8" Diameter x 16" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	112.00 5.95	9.87
23 05 29 00-0755	EA	5/8" Diameter x 20" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	115.05 6.11	10.20
23 05 29 00-0756	EA	5/8" Diameter x 24" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	118.14 6.26	10.42
23 05 29 00-0757	EA	5/8" Diameter x 30" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	120.19 6.48	10.85
23 05 29 00-0758	EA	5/8" Diameter x 36" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	124.79 6.71	11.19
23 05 29 00-0759	EA	5/8" Diameter x 48" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	132.72 7.16	11.95
23 05 29 00-0760	EA	5/8" Diameter x 60" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	140.62 7.61	12.72
23 05 29 00-0761	EA	5/8" Diameter x 72" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	147.28 8.07	13.49
23 05 29 00-0762	EA	3/4" Diameter x 16" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	142.18 6.74	11.19
23 05 29 00-0763	EA	3/4" Diameter x 20" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	146.60 6.90	11.52
23 05 29 00-0764	EA	3/4" Diameter x 24" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	149.65 7.05	11.74
23 05 29 00-0765	EA	3/4" Diameter x 30" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	154.29 7.29	12.17
23 05 29 00-0766	EA	3/4" Diameter x 36" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	161.47 7.52	12.51
23 05 29 00-0767	EA	3/4" Diameter x 48" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	171.98 7.98	13.27
23 05 29 00-0768	EA	3/4" Diameter x 60" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	182.53 8.45	14.04
23 05 29 00-0769	EA	3/4" Diameter x 72" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	194.36 8.92	14.91
23 05 29 00-0770	EA	7/8" Diameter x 16" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	171.00 7.79	12.94
23 05 29 00-0771	EA	7/8" Diameter x 20" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	176.69 7.96	13.27
23 05 29 00-0772	EA	7/8" Diameter x 24" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	181.09 8.12	13.49
23 05 29 00-0773	EA	7/8" Diameter x 30" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	185.72 8.36	13.93
23 05 29 00-0774	EA	7/8" Diameter x 36" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	194.27 8.60	14.37
23 05 29 00-0775	EA	7/8" Diameter x 48" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	208.70 9.09	15.14
23 05 29 00-0776	EA	7/8" Diameter x 60" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	221.85 9.58	16.01
23 05 29 00-0777	EA	7/8" Diameter x 72" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	236.30 10.07	16.78
23 05 29 00-0778	EA	1" Diameter x 16" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	218.29 9.29	15.47
23 05 29 00-0779	EA	1" Diameter x 20" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	224.03 9.47	15.79
23 05 29 00-0780	EA	1" Diameter x 24" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	229.78 9.65	16.12
23 05 29 00-0781	EA	1" Diameter x 30" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	235.83 9.92	16.56
23 05 29 00-0782	EA	1" Diameter x 36" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	246.96 10.20	17.00
23 05 29 00-0783	EA	1" Diameter x 48" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	264.21 10.75	17.88
23 05 29 00-0784	EA	1" Diameter x 60" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	281.46 11.30	18.86

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0785	EA		1" Diameter x 72" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	299.89 11.84	19.74
<b>23 05 29 00-0786</b>			<b>Attachments</b> (23 05 29 00-0620)		
<b>23 05 29 00-0787</b>			<b>Welded Beam Attachments (B-Line B-3083)</b> (23 05 29 00-0786) Note: Type 22.		
23 05 29 00-0788	EA		3/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)..... <i>For Work In Restricted Working Space, Add</i>	42.80 6.14	10.23
23 05 29 00-0789	EA		1/2" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)..... <i>For Work In Restricted Working Space, Add</i>	45.65 6.47	10.75
23 05 29 00-0790	EA		5/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)..... <i>For Work In Restricted Working Space, Add</i>	48.58 6.82	11.36
23 05 29 00-0791	EA		3/4" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)..... <i>For Work In Restricted Working Space, Add</i>	61.50 7.22	12.08
23 05 29 00-0792	EA		7/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)..... <i>For Work In Restricted Working Space, Add</i>	73.47 7.67	12.79
23 05 29 00-0793	EA		1" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)..... <i>For Work In Restricted Working Space, Add</i>	102.35 8.77	14.63
23 05 29 00-0794	EA		1-1/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)..... <i>For Work In Restricted Working Space, Add</i>	143.90 9.21	15.36
<b>23 05 29 00-0795</b>			<b>C-Clamp Style Beam Clamps (B-Line B-3034)</b> (23 05 29 00-0786) Note: Type 23. Top or bottom flange mount.		
23 05 29 00-0796	EA		3/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)..... <i>For Work In Restricted Working Space, Add</i>	16.43 4.11	5.59
23 05 29 00-0797	EA		1/2" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)..... <i>For Work In Restricted Working Space, Add</i>	19.35 4.39	7.12
23 05 29 00-0798	EA		5/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)..... <i>For Work In Restricted Working Space, Add</i>	21.82 4.70	7.68
23 05 29 00-0799	EA		3/4" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)..... <i>For Work In Restricted Working Space, Add</i>	27.55 5.06	8.22
23 05 29 00-0800	EA		7/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)..... <i>For Work In Restricted Working Space, Add</i>	39.02 5.48	8.78
<b>23 05 29 00-0801</b>			<b>Bottom Mount I-Beam Clamps (B-Line B-3055)</b> (23 05 29 00-0786) Note: Type 21. For attaching threaded rod centered under beam flanges.		
23 05 29 00-0802	EA		3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)..... <i>For Work In Restricted Working Space, Add</i>	42.27 5.48	7.68
23 05 29 00-0803	EA		1/2" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)..... <i>For Work In Restricted Working Space, Add</i>	61.06 5.98	9.87
23 05 29 00-0804	EA		5/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)..... <i>For Work In Restricted Working Space, Add</i>	86.24 6.58	10.96
23 05 29 00-0805	EA		3/4" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)..... <i>For Work In Restricted Working Space, Add</i>	102.92 7.31	12.06
23 05 29 00-0806	EA		1" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)..... <i>For Work In Restricted Working Space, Add</i>	244.31 8.23	13.16
<b>23 05 29 00-0807</b>			<b>Steel U-Bolts (B-Line B-3188)</b> (23 05 29 00-0786) Note: Type 24. Includes plate and nuts.		
23 05 29 00-0808	EA		1/2" Pipe Size, Steel U-Bolt (B-Line B-3188)..... <i>For Work In Restricted Working Space, Add</i>	13.36 3.29	2.74
23 05 29 00-0809	EA		3/4" Pipe Size, Steel U-Bolt (B-Line B-3188)..... <i>For Work In Restricted Working Space, Add</i>	14.45 3.46	3.28
23 05 29 00-0810	EA		1" Pipe Size, Steel U-Bolt (B-Line B-3188)..... <i>For Work In Restricted Working Space, Add</i>	15.51 3.65	3.28
23 05 29 00-0811	EA		1-1/4" Pipe Size, Steel U-Bolt (B-Line B-3188)..... <i>For Work In Restricted Working Space, Add</i>	17.48 3.87	3.28
23 05 29 00-0812	EA		1-1/2" Pipe Size, Steel U-Bolt (B-Line B-3188)..... <i>For Work In Restricted Working Space, Add</i>	18.12 4.11	3.84
23 05 29 00-0813	EA		2" Pipe Size, Steel U-Bolt (B-Line B-3188)..... <i>For Work In Restricted Working Space, Add</i>	19.39 4.39	3.84
23 05 29 00-0814	EA		2-1/2" Pipe Size, Steel U-Bolt (B-Line B-3188)..... <i>For Work In Restricted Working Space, Add</i>	27.09 4.70	3.84
23 05 29 00-0815	EA		3" Pipe Size, Steel U-Bolt (B-Line B-3188)..... <i>For Work In Restricted Working Space, Add</i>	29.80 5.06	4.38
23 05 29 00-0816	EA		4" Pipe Size, Steel U-Bolt (B-Line B-3188)..... <i>For Work In Restricted Working Space, Add</i>	35.68 5.48	4.94
<b>23 05 29 00-0817</b>			<b>Copper Standoff Brackets With Flange</b> (23 05 29 00-0786) Note: Installed in wood, concrete, concrete block or steel.		
23 05 29 00-0818	EA		Clamp Size 1/2", Copper Standoff Brackets With Flange..... <i>For Work In Restricted Working Space, Add</i>	33.52 9.40	15.68
23 05 29 00-0819	EA		Clamp Size 3/4", Copper Standoff Brackets With Flange..... <i>For Work In Restricted Working Space, Add</i>	33.65 9.40	15.68
23 05 29 00-0820	EA		Clamp Size 1", Copper Standoff Brackets With Flange..... <i>For Work In Restricted Working Space, Add</i>	33.79 9.40	15.68
23 05 29 00-0821	EA		Clamp Size 1 1/4", Copper Standoff Brackets With Flange..... <i>For Work In Restricted Working Space, Add</i>	35.94 9.97	16.67
23 05 29 00-0822	EA		Clamp Size 1 1/2", Copper Standoff Brackets With Flange..... <i>For Work In Restricted Working Space, Add</i>	36.21 9.97	16.67

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 05 29 00-0823	Malleable Iron Eye Sockets (B-Line B-3222) (23 05 29 00-0786)		
	Note: Type 16.		
23 05 29 00-0824	EA 3/8" Rod Size, Malleable Iron Eye Socket.....	9.38	1.64
	For Work In Restricted Working Space, Add	1.00	
23 05 29 00-0825	EA 1/2" Rod Size, Malleable Iron Eye Socket.....	11.97	2.20
	For Work In Restricted Working Space, Add	1.31	
23 05 29 00-0826	EA 5/8" Rod Size, Malleable Iron Eye Socket.....	20.01	2.20
	For Work In Restricted Working Space, Add	1.33	
23 05 29 00-0827	EA 3/4" Rod Size, Malleable Iron Eye Socket.....	27.87	2.20
	For Work In Restricted Working Space, Add	1.31	
23 05 29 00-0828	EA 7/8" Rod Size, Malleable Iron Eye Socket.....	30.23	2.74
	For Work In Restricted Working Space, Add	1.64	
<b>23 05 29 00-0829</b>	<b>Steel Weldless Eye Nuts (B-Line B-3200) (23 05 29 00-0786)</b>		
	Note: Type 17.		
23 05 29 00-0830	EA 3/8" Rod Size, Steel Weldless Eye Nut.....	29.17	1.64
	For Work In Restricted Working Space, Add	1.00	
23 05 29 00-0831	EA 1/2" Rod Size, Steel Weldless Eye Nut.....	30.22	2.20
	For Work In Restricted Working Space, Add	1.31	
23 05 29 00-0832	EA 5/8" Rod Size, Steel Weldless Eye Nut.....	30.27	2.20
	For Work In Restricted Working Space, Add	1.33	
23 05 29 00-0833	EA 3/4" Rod Size, Steel Weldless Eye Nut.....	30.22	2.20
	For Work In Restricted Working Space, Add	1.31	
23 05 29 00-0834	EA 7/8" Rod Size, Steel Weldless Eye Nut.....	58.26	2.41
	For Work In Restricted Working Space, Add	1.48	
23 05 29 00-0835	EA 1" Rod Size, Steel Weldless Eye Nut.....	58.80	2.74
	For Work In Restricted Working Space, Add	1.64	
<b>23 05 29 00-0836</b>	<b>Top Mount I-Beam Clamps (B-Line B-3042) (23 05 29 00-0786)</b>		
	Note: For attaching threaded rod to either side of an I-beam.		
23 05 29 00-0837	EA 3/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp.....	21.20	5.12
	For Work In Restricted Working Space, Add	3.07	
23 05 29 00-0838	EA 1/2" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp.....	25.33	5.63
	For Work In Restricted Working Space, Add	3.39	
23 05 29 00-0839	EA 5/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp.....	30.45	6.14
	For Work In Restricted Working Space, Add	3.72	
23 05 29 00-0840	EA 3/4" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp.....	41.15	6.65
	For Work In Restricted Working Space, Add	3.92	
23 05 29 00-0841	EA 7/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp.....	62.32	7.67
	For Work In Restricted Working Space, Add	4.61	
23 05 29 00-0842	EA 3/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp.....	22.22	5.12
	For Work In Restricted Working Space, Add	3.07	
23 05 29 00-0843	EA 1/2" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp.....	26.77	5.63
	For Work In Restricted Working Space, Add	3.39	
23 05 29 00-0844	EA 5/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp.....	30.45	6.14
	For Work In Restricted Working Space, Add	3.72	
23 05 29 00-0845	EA 3/4" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp.....	44.94	6.65
	For Work In Restricted Working Space, Add	3.92	
23 05 29 00-0846	EA 7/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp.....	68.79	7.67
	For Work In Restricted Working Space, Add	4.61	
23 05 29 00-0847	EA 3/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp.....	24.59	5.12
	For Work In Restricted Working Space, Add	3.07	
23 05 29 00-0848	EA 1/2" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp.....	29.43	5.63
	For Work In Restricted Working Space, Add	3.39	
23 05 29 00-0849	EA 5/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp.....	36.70	6.14
	For Work In Restricted Working Space, Add	3.72	
23 05 29 00-0850	EA 3/4" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp.....	52.02	6.65
	For Work In Restricted Working Space, Add	3.92	
23 05 29 00-0851	EA 7/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp.....	82.64	7.67
	For Work In Restricted Working Space, Add	4.61	
<b>23 05 29 00-0852</b>	<b>Side Beam Brackets (B-Line B-3062) (23 05 29 00-0786)</b>		
	Note: Type 34.		
23 05 29 00-0853	EA 3/8" Rod Size, Side Beam Bracket.....	18.12	7.12
	For Work In Restricted Working Space, Add	4.11	
23 05 29 00-0854	EA 1/2" Rod Size, Side Beam Bracket.....	21.18	7.12
	For Work In Restricted Working Space, Add	4.39	
23 05 29 00-0855	EA 5/8" Rod Size, Side Beam Bracket.....	26.85	7.68
	For Work In Restricted Working Space, Add	4.70	
23 05 29 00-0856	EA 3/4" Rod Size, Side Beam Bracket.....	45.79	8.22
	For Work In Restricted Working Space, Add	5.06	
23 05 29 00-0857	EA 7/8" Rod Size, Side Beam Bracket.....	53.36	9.32
	For Work In Restricted Working Space, Add	5.48	
<b>23 05 29 00-0858</b>	<b>Hex Lag Bolts (23 05 29 00-0786)</b>		
	Note: Also known as coach screws.		
23 05 29 00-0859	EA 3/8" x 3-1/2" Long, Hex Lag Bolt.....	2.87	
	For Work In Restricted Working Space, Add	0.69	
23 05 29 00-0860	EA 3/8" x 4" Long, Hex Lag Bolt.....	3.15	
	For Work In Restricted Working Space, Add	0.71	
23 05 29 00-0861	EA 3/8" x 6" Long, Hex Lag Bolt.....	3.58	
	For Work In Restricted Working Space, Add	0.74	
23 05 29 00-0862	EA 3/8" x 8" Long, Hex Lag Bolt.....	4.38	
	For Work In Restricted Working Space, Add	0.76	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0863	EA		3/8" x 10" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	4.69 0.79	
23 05 29 00-0864	EA		3/8" x 12" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	5.08 0.82	
23 05 29 00-0865	EA		1/2" x 3-1/2" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	3.86 0.82	
23 05 29 00-0866	EA		1/2" x 4" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	4.36 0.86	
23 05 29 00-0867	EA		1/2" x 6" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	5.14 0.89	
23 05 29 00-0868	EA		1/2" x 8" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	6.02 0.93	
23 05 29 00-0869	EA		1/2" x 10" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	7.17 0.98	
23 05 29 00-0870	EA		1/2" x 12" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	7.70 1.03	
23 05 29 00-0871	EA		5/8" x 4" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	5.22 0.91	
23 05 29 00-0872	EA		3/4" x 5" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	6.04 0.93	
<b>23 05 29 00-0873</b>			<b>Stainless Steel Threaded Rod And Rod Accessories</b> (23 05 29 00-0873)		
<b>23 05 29 00-0874</b>			<b>304 Stainless Steel Threaded Rod</b> (23 05 29 00-0873)		
23 05 29 00-0875	LF		1/4" Diameter, 304 Stainless Steel Threaded Rod..... <i>For Work In Restricted Working Space, Add</i>	3.44 0.33	0.54
23 05 29 00-0876	LF		5/16" Diameter, 304 Stainless Steel Threaded Rod..... <i>For Work In Restricted Working Space, Add</i>	5.18 0.36	0.54
23 05 29 00-0877	LF		3/8" Diameter, 304 Stainless Steel Threaded Rod..... <i>For Work In Restricted Working Space, Add</i>	6.58 0.38	0.65
23 05 29 00-0878	LF		7/16" Diameter, 304 Stainless Steel Threaded Rod..... <i>For Work In Restricted Working Space, Add</i>	9.24 0.39	0.65
23 05 29 00-0879	LF		1/2" Diameter, 304 Stainless Steel Threaded Rod..... <i>For Work In Restricted Working Space, Add</i>	11.14 0.41	0.65
23 05 29 00-0880	LF		5/8" Diameter, 304 Stainless Steel Threaded Rod..... <i>For Work In Restricted Working Space, Add</i>	16.83 0.43	0.77
23 05 29 00-0881	LF		3/4" Diameter, 304 Stainless Steel Threaded Rod..... <i>For Work In Restricted Working Space, Add</i>	23.67 0.46	0.77
23 05 29 00-0882	LF		7/8" Diameter, 304 Stainless Steel Threaded Rod..... <i>For Work In Restricted Working Space, Add</i>	32.64 0.48	0.77
23 05 29 00-0883	LF		1" Diameter, 304 Stainless Steel Threaded Rod..... <i>For Work In Restricted Working Space, Add</i>	41.89 0.55	0.88
23 05 29 00-0884	LF		1-1/4" Diameter, 304 Stainless Steel Threaded Rod..... <i>For Work In Restricted Working Space, Add</i>	88.80 0.69	1.10
<b>23 05 29 00-0885</b>			<b>304 Stainless Steel Flat Washers</b> (23 05 29 00-0873)		
23 05 29 00-0886	EA		3/8", 304 Stainless Steel Flat Washer..... <i>For Work In Restricted Working Space, Add</i>	0.73 0.14	0.22
23 05 29 00-0887	EA		1/2", 304 Stainless Steel Flat Washer..... <i>For Work In Restricted Working Space, Add</i>	1.44 0.15	0.22
<b>23 05 29 00-0888</b>			<b>304 Stainless Steel Hex Nuts</b> (23 05 29 00-0873)		
23 05 29 00-0889	EA		3/8-16, 304 Stainless Steel Hex Nut..... <i>For Work In Restricted Working Space, Add</i>	2.48 0.63	1.10
23 05 29 00-0890	EA		1/2-13, 304 Stainless Steel Hex Nut..... <i>For Work In Restricted Working Space, Add</i>	3.23 0.69	1.10
<b>23 05 29 00-0891</b>			<b>316 Stainless Steel U-Bolts</b> (23 05 29 00-0873) Note: Type 24. Includes nuts.		
23 05 29 00-0892	EA		1/2" Pipe Size, 316 Stainless Steel U-Bolt..... <i>For Work In Restricted Working Space, Add</i>	25.02 3.29	5.48
23 05 29 00-0893	EA		3/4" Pipe Size, 316 Stainless Steel U-Bolt..... <i>For Work In Restricted Working Space, Add</i>	25.85 3.46	5.81
23 05 29 00-0894	EA		1" Pipe Size, 316 Stainless Steel U-Bolt..... <i>For Work In Restricted Working Space, Add</i>	26.90 3.65	6.13
23 05 29 00-0895	EA		1-1/4" Pipe Size, 316 Stainless Steel U-Bolt..... <i>For Work In Restricted Working Space, Add</i>	28.06 3.87	6.47
23 05 29 00-0896	EA		1-1/2" Pipe Size, 316 Stainless Steel U-Bolt..... <i>For Work In Restricted Working Space, Add</i>	29.33 4.11	6.80
23 05 29 00-0897	EA		2" Pipe Size, 316 Stainless Steel U-Bolt..... <i>For Work In Restricted Working Space, Add</i>	36.28 4.39	7.34
23 05 29 00-0898	EA		2-1/2" Pipe Size, 316 Stainless Steel U-Bolt..... <i>For Work In Restricted Working Space, Add</i>	38.83 4.70	7.79
23 05 29 00-0899	EA		3" Pipe Size, 316 Stainless Steel U-Bolt..... <i>For Work In Restricted Working Space, Add</i>	41.66 5.06	8.44
23 05 29 00-0900	EA		3-1/2" Pipe Size, 316 Stainless Steel U-Bolt..... <i>For Work In Restricted Working Space, Add</i>	43.74 5.26	8.77
23 05 29 00-0901	EA		4" Pipe Size, 316 Stainless Steel U-Bolt..... <i>For Work In Restricted Working Space, Add</i>	46.16 5.48	9.10
23 05 29 00-0902	EA		5" Pipe Size, 316 Stainless Steel U-Bolt..... <i>For Work In Restricted Working Space, Add</i>	80.24 5.63	9.43
23 05 29 00-0903	EA		6" Pipe Size, 316 Stainless Steel U-Bolt..... <i>For Work In Restricted Working Space, Add</i>	133.18 5.75	9.54

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 05 29 00-0904	EA	8" Pipe Size, 316 Stainless Steel U-Bolt <i>For Work In Restricted Working Space, Add</i>	198.87	5.87	9.76
23 05 29 00-0905	EA	10" Pipe Size, 316 Stainless Steel U-Bolt <i>For Work In Restricted Working Space, Add</i>	283.51	6.05	10.08
23 05 29 00-0906	EA	12" Pipe Size, 316 Stainless Steel U-Bolt <i>For Work In Restricted Working Space, Add</i>	438.44	6.23	10.42
<b>23 05 29 00-0907</b>		<b>Hanger Strap</b> (23 05 29 00-0620)			
23 05 29 00-0908	LF	3/4" Wide x 0.025" Thick Galvanized Hanger Strap			5.27
<b>23 05 29 00-0909</b>		<b>Shields And Saddles</b> (23 05 29)			
<b>23 05 29 00-0910</b>		<b>Insulation Protection Shield</b> (23 05 29 00-0909) Note: Type 40.			
<b>23 05 29 00-0911</b>		<b>Insulation Protection Shield (Cooper B-Line B3151)</b> (23 05 29 00-0910)			
23 05 29 00-0912	EA	1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151) <i>For Work In Restricted Working Space, Add</i>	16.70	2.63	2.63
23 05 29 00-0913	EA	2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151) <i>For Work In Restricted Working Space, Add</i>	16.95	2.67	2.66
23 05 29 00-0914	EA	2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151) <i>For Work In Restricted Working Space, Add</i>	17.38	2.70	2.70
23 05 29 00-0915	EA	3" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151) <i>For Work In Restricted Working Space, Add</i>	18.25	2.73	2.73
23 05 29 00-0916	EA	4" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151) <i>For Work In Restricted Working Space, Add</i>	20.33	2.80	2.80
23 05 29 00-0917	EA	6" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151) <i>For Work In Restricted Working Space, Add</i>	25.17	2.86	2.86
23 05 29 00-0918	EA	8" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length (Cooper B-Line B3151) <i>For Work In Restricted Working Space, Add</i>	29.53	2.93	2.93
23 05 29 00-0919	EA	10" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length (Cooper B-Line B3151) <i>For Work In Restricted Working Space, Add</i>	36.47	2.99	2.99
23 05 29 00-0920	EA	12" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151) <i>For Work In Restricted Working Space, Add</i>	47.34	3.03	3.02
23 05 29 00-0921	EA	14" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151) <i>For Work In Restricted Working Space, Add</i>	51.72	3.06	3.06
23 05 29 00-0922	EA	16" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151) <i>For Work In Restricted Working Space, Add</i>	71.91	3.09	3.09
23 05 29 00-0923	EA	18" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151) <i>For Work In Restricted Working Space, Add</i>	81.01	3.13	3.12
23 05 29 00-0924	EA	20" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151) <i>For Work In Restricted Working Space, Add</i>	151.96	3.16	3.15
23 05 29 00-0925	EA	24" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151) <i>For Work In Restricted Working Space, Add</i>	165.32	3.23	3.22
23 05 29 00-0926	EA	30" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151) <i>For Work In Restricted Working Space, Add</i>	200.19	3.29	3.29
<b>23 05 29 00-0927</b>		<b>Insulation Protection Shield (Cooper B-Line B3154)</b> (23 05 29 00-0910)			
23 05 29 00-0928	EA	1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154) <i>For Work In Restricted Working Space, Add</i>	14.52	2.63	2.63
23 05 29 00-0929	EA	2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154) <i>For Work In Restricted Working Space, Add</i>	14.73	2.67	2.66
23 05 29 00-0930	EA	2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154) <i>For Work In Restricted Working Space, Add</i>	15.07	2.70	2.70
23 05 29 00-0931	EA	3" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154) <i>For Work In Restricted Working Space, Add</i>	15.73	2.73	2.73
23 05 29 00-0932	EA	4" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154) <i>For Work In Restricted Working Space, Add</i>	17.31	2.80	2.80
23 05 29 00-0933	EA	6" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154) <i>For Work In Restricted Working Space, Add</i>	20.87	2.86	2.86
23 05 29 00-0934	EA	8" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154) <i>For Work In Restricted Working Space, Add</i>	22.53	2.93	2.93
23 05 29 00-0935	EA	10" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154) <i>For Work In Restricted Working Space, Add</i>	29.19	2.99	2.99
23 05 29 00-0936	EA	12" Outside Diameter, 14 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154) <i>For Work In Restricted Working Space, Add</i>	35.39	3.03	3.02
<b>23 05 29 00-0937</b>		<b>Pipe Covering Protection Saddle</b> (23 05 29 00-0909) Note: Sizes are pipe sizes.			
<b>23 05 29 00-0938</b>		<b>Saddle, For 1" Insulation (Cooper B-Line B3160)</b> (23 05 29 00-0937)			
23 05 29 00-0939	EA	3/4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) <i>For Work In Restricted Working Space, Add</i>	25.91	3.62	3.63
23 05 29 00-0940	EA	1" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) <i>For Work In Restricted Working Space, Add</i>	26.01	3.65	3.66
23 05 29 00-0941	EA	1-1/4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) <i>For Work In Restricted Working Space, Add</i>	26.11	3.68	3.69
23 05 29 00-0942	EA	1-1/2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) <i>For Work In Restricted Working Space, Add</i>	27.49	3.75	3.75
23 05 29 00-0943	EA	2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) <i>For Work In Restricted Working Space, Add</i>	27.59	3.78	3.78
23 05 29 00-0944	EA	2-1/2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) <i>For Work In Restricted Working Space, Add</i>	28.54	3.84	3.84
23 05 29 00-0945	EA	3" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) <i>For Work In Restricted Working Space, Add</i>	32.02	3.90	3.90



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0946	EA		4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) ..... <i>For Work In Restricted Working Space, Add</i>	36.25 3.96	3.96
23 05 29 00-0947	EA		6" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) ..... <i>For Work In Restricted Working Space, Add</i>	41.03 4.08	4.09
23 05 29 00-0948	EA		8" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) ..... <i>For Work In Restricted Working Space, Add</i>	50.49 4.24	4.24
23 05 29 00-0949	EA		10" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) ..... <i>For Work In Restricted Working Space, Add</i>	56.76 4.30	4.30
23 05 29 00-0950	EA		12" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) ..... <i>For Work In Restricted Working Space, Add</i>	67.80 4.39	4.30
23 05 29 00-0951	EA		14" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) ..... <i>For Work In Restricted Working Space, Add</i>	74.29 4.46	4.45
<b>23 05 29 00-0952 Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) (23 05 29 00-0937)</b>					
23 05 29 00-0953	EA		3/4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) ..... <i>For Work In Restricted Working Space, Add</i>	29.59 3.02	3.63
23 05 29 00-0954	EA		1" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) ..... <i>For Work In Restricted Working Space, Add</i>	29.69 3.65	3.66
23 05 29 00-0955	EA		1-1/4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) ..... <i>For Work In Restricted Working Space, Add</i>	29.79 3.68	3.69
23 05 29 00-0956	EA		1-1/2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) ..... <i>For Work In Restricted Working Space, Add</i>	30.93 3.75	3.75
23 05 29 00-0957	EA		2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) ..... <i>For Work In Restricted Working Space, Add</i>	33.59 3.78	3.78
23 05 29 00-0958	EA		2-1/2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) ..... <i>For Work In Restricted Working Space, Add</i>	36.34 3.84	3.84
23 05 29 00-0959	EA		3" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) ..... <i>For Work In Restricted Working Space, Add</i>	36.96 3.90	3.90
23 05 29 00-0960	EA		4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) ..... <i>For Work In Restricted Working Space, Add</i>	42.33 3.96	3.90
23 05 29 00-0961	EA		6" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) ..... <i>For Work In Restricted Working Space, Add</i>	47.91 4.08	4.09
23 05 29 00-0962	EA		8" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) ..... <i>For Work In Restricted Working Space, Add</i>	57.24 4.24	4.24
23 05 29 00-0963	EA		10" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) ..... <i>For Work In Restricted Working Space, Add</i>	64.74 4.30	4.30
23 05 29 00-0964	EA		12" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) ..... <i>For Work In Restricted Working Space, Add</i>	77.64 4.39	4.39
23 05 29 00-0965	EA		14" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) ..... <i>For Work In Restricted Working Space, Add</i>	85.34 4.46	4.45
<b>23 05 29 00-0966 Saddle, For 2" Insulation (Cooper B-Line B3162) (23 05 29 00-0937)</b>					
23 05 29 00-0967	EA		3/4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) ..... <i>For Work In Restricted Working Space, Add</i>	31.72 3.81	3.81
23 05 29 00-0968	EA		1" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) ..... <i>For Work In Restricted Working Space, Add</i>	31.82 3.84	3.84
23 05 29 00-0969	EA		1-1/4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) ..... <i>For Work In Restricted Working Space, Add</i>	33.64 3.87	3.87
23 05 29 00-0970	EA		1-1/2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) ..... <i>For Work In Restricted Working Space, Add</i>	34.72 3.93	3.93
23 05 29 00-0971	EA		2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) ..... <i>For Work In Restricted Working Space, Add</i>	35.68 3.96	3.96
23 05 29 00-0972	EA		2-1/2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) ..... <i>For Work In Restricted Working Space, Add</i>	35.89 4.02	4.04
23 05 29 00-0973	EA		3" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) ..... <i>For Work In Restricted Working Space, Add</i>	38.07 4.08	4.10
23 05 29 00-0974	EA		4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) ..... <i>For Work In Restricted Working Space, Add</i>	40.24 4.14	4.16
23 05 29 00-0975	EA		6" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) ..... <i>For Work In Restricted Working Space, Add</i>	52.16 4.30	4.29
23 05 29 00-0976	EA		8" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) ..... <i>For Work In Restricted Working Space, Add</i>	59.50 4.46	4.45
23 05 29 00-0977	EA		10" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) ..... <i>For Work In Restricted Working Space, Add</i>	62.60 4.52	4.52
23 05 29 00-0978	EA		12" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) ..... <i>For Work In Restricted Working Space, Add</i>	85.74 4.61	4.61
23 05 29 00-0979	EA		14" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) ..... <i>For Work In Restricted Working Space, Add</i>	95.32 4.67	4.68
23 05 29 00-0980	EA		16" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) ..... <i>For Work In Restricted Working Space, Add</i>	105.11 4.79	4.79
23 05 29 00-0981	EA		18" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) ..... <i>For Work In Restricted Working Space, Add</i>	114.89 4.91	4.91
23 05 29 00-0982	EA		20" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) ..... <i>For Work In Restricted Working Space, Add</i>	126.30 5.04	5.04
23 05 29 00-0983	EA		24" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) ..... <i>For Work In Restricted Working Space, Add</i>	145.17 5.16	5.16
<b>23 05 29 00-0984 Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) (23 05 29 00-0937)</b>					
23 05 29 00-0985	EA		1-1/4" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) ..... <i>For Work In Restricted Working Space, Add</i>	35.80 3.96	3.96
23 05 29 00-0986	EA		1-1/2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) ..... <i>For Work In Restricted Working Space, Add</i>	37.94 4.02	4.03
23 05 29 00-0987	EA		2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) ..... <i>For Work In Restricted Working Space, Add</i>	39.01 4.05	4.07

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 05 29 00-0988	EA	2-1/2"	Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	40.18	4.13
			<i>For Work In Restricted Working Space, Add</i>	4.11	
23 05 29 00-0989	EA	3"	Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	40.49	4.20
			<i>For Work In Restricted Working Space, Add</i>	4.21	
23 05 29 00-0990	EA	4"	Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	47.62	4.26
			<i>For Work In Restricted Working Space, Add</i>	4.27	
23 05 29 00-0991	EA	6"	Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	54.96	4.39
			<i>For Work In Restricted Working Space, Add</i>	4.39	
23 05 29 00-0992	EA	8"	Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	64.54	4.56
			<i>For Work In Restricted Working Space, Add</i>	4.55	
23 05 29 00-0993	EA	10"	Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	69.40	4.63
			<i>For Work In Restricted Working Space, Add</i>	4.64	
23 05 29 00-0994	EA	12"	Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	87.96	4.72
			<i>For Work In Restricted Working Space, Add</i>	4.73	
23 05 29 00-0995	EA	14"	Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	105.19	4.79
			<i>For Work In Restricted Working Space, Add</i>	4.79	
23 05 29 00-0996	EA	16"	Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	122.62	4.90
			<i>For Work In Restricted Working Space, Add</i>	4.91	
23 05 29 00-0997	EA	18"	Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	130.44	5.03
			<i>For Work In Restricted Working Space, Add</i>	5.04	
23 05 29 00-0998	EA	20"	Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	139.14	5.16
			<i>For Work In Restricted Working Space, Add</i>	5.16	
23 05 29 00-0999	EA	24"	Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	147.84	5.28
			<i>For Work In Restricted Working Space, Add</i>	5.28	
<b>23 05 29 00-1000</b>			<b>Saddle, For 3" Insulation (Cooper B-Line B3164)</b> <small>(23 05 29 00-0937)</small>		
23 05 29 00-1001	EA	2"	Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	40.39	4.16
			<i>For Work In Restricted Working Space, Add</i>	4.14	
23 05 29 00-1002	EA	2-1/2"	Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	44.36	4.23
			<i>For Work In Restricted Working Space, Add</i>	4.24	
23 05 29 00-1003	EA	3"	Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	46.39	4.29
			<i>For Work In Restricted Working Space, Add</i>	4.30	
23 05 29 00-1004	EA	4"	Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	48.42	4.36
			<i>For Work In Restricted Working Space, Add</i>	4.36	
23 05 29 00-1005	EA	6"	Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	56.16	4.50
			<i>For Work In Restricted Working Space, Add</i>	4.49	
23 05 29 00-1006	EA	8"	Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	71.40	4.66
			<i>For Work In Restricted Working Space, Add</i>	4.67	
23 05 29 00-1007	EA	10"	Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	77.72	4.73
			<i>For Work In Restricted Working Space, Add</i>	4.73	
23 05 29 00-1008	EA	12"	Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	102.52	4.83
			<i>For Work In Restricted Working Space, Add</i>	4.82	
23 05 29 00-1009	EA	14"	Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	123.29	4.90
			<i>For Work In Restricted Working Space, Add</i>	4.91	
23 05 29 00-1010	EA	16"	Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	144.07	5.02
			<i>For Work In Restricted Working Space, Add</i>	5.01	
23 05 29 00-1011	EA	18"	Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	146.77	5.15
			<i>For Work In Restricted Working Space, Add</i>	5.16	
23 05 29 00-1012	EA	20"	Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	149.37	5.27
			<i>For Work In Restricted Working Space, Add</i>	5.28	
23 05 29 00-1013	EA	24"	Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	190.97	5.41
			<i>For Work In Restricted Working Space, Add</i>	5.40	
<b>23 05 29 00-1014</b>			<b>Saddle, For 4" Insulation (Cooper B-Line B3165)</b> <small>(23 05 29 00-0937)</small>		
23 05 29 00-1015	EA	2"	Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	46.01	4.25
			<i>For Work In Restricted Working Space, Add</i>	4.24	
23 05 29 00-1016	EA	2-1/2"	Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	50.71	4.32
			<i>For Work In Restricted Working Space, Add</i>	4.33	
23 05 29 00-1017	EA	3"	Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	53.10	4.39
			<i>For Work In Restricted Working Space, Add</i>	4.39	
23 05 29 00-1018	EA	4"	Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	55.63	4.45
			<i>For Work In Restricted Working Space, Add</i>	4.46	
23 05 29 00-1019	EA	6"	Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	68.78	4.60
			<i>For Work In Restricted Working Space, Add</i>	4.61	
23 05 29 00-1020	EA	8"	Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	81.93	4.77
			<i>For Work In Restricted Working Space, Add</i>	4.76	
23 05 29 00-1021	EA	10"	Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	84.76	4.84
			<i>For Work In Restricted Working Space, Add</i>	4.85	
23 05 29 00-1022	EA	12"	Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	109.73	4.95
			<i>For Work In Restricted Working Space, Add</i>	4.94	
23 05 29 00-1023	EA	14"	Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	134.30	5.01
			<i>For Work In Restricted Working Space, Add</i>	5.01	
23 05 29 00-1024	EA	16"	Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	159.06	5.14
			<i>For Work In Restricted Working Space, Add</i>	5.13	
23 05 29 00-1025	EA	18"	Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	195.65	5.26
			<i>For Work In Restricted Working Space, Add</i>	5.25	
23 05 29 00-1026	EA	20"	Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	232.03	5.39
			<i>For Work In Restricted Working Space, Add</i>	5.40	
23 05 29 00-1027	EA	24"	Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	248.50	5.53
			<i>For Work In Restricted Working Space, Add</i>	5.53	
23 05 29 00-1028	EA	30"	Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	261.67	5.67
			<i>For Work In Restricted Working Space, Add</i>	5.68	
23 05 29 00-1029	EA	36"	Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	271.41	5.81
			<i>For Work In Restricted Working Space, Add</i>	5.80	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 05 29 00-1030</b>		<b>Adjustable Pipe Saddle Support (Cooper B-Line B3096) (23 05 29 00-0909)</b>		
23 05 29 00-1031	EA	2" Adjustable Pipe Saddle Support (Cooper B-Line B3096) .....	105.14	13.70
23 05 29 00-1032	EA	3" Adjustable Pipe Saddle Support (Cooper B-Line B3096) .....	110.88	15.90
23 05 29 00-1033	EA	4" Adjustable Pipe Saddle Support (Cooper B-Line B3096) .....	135.12	18.10
23 05 29 00-1034	EA	5" Adjustable Pipe Saddle Support (Cooper B-Line B3096) .....	140.56	19.74
23 05 29 00-1035	EA	6" Adjustable Pipe Saddle Support (Cooper B-Line B3096) .....	155.95	21.94
23 05 29 00-1036	EA	8" Adjustable Pipe Saddle Support (Cooper B-Line B3096) .....	176.10	27.42
23 05 29 00-1037	EA	10" Adjustable Pipe Saddle Support (Cooper B-Line B3096) .....	229.95	36.74
23 05 29 00-1038	EA	12" Adjustable Pipe Saddle Support (Cooper B-Line B3096) .....	279.50	54.84
<b>23 05 29 00-1039</b>		<b>Pipe Stanchion Support (Cooper B-Line B3090) (23 05 29 00-0909)</b>		
23 05 29 00-1040	EA	2-1/2" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090) .....	131.70	13.70
23 05 29 00-1041	EA	3" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090) .....	135.62	15.90
23 05 29 00-1042	EA	3-1/2" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090) .....	145.21	17.00
23 05 29 00-1043	EA	4" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090) .....	147.77	18.10
23 05 29 00-1044	EA	5" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090) .....	155.11	19.74
23 05 29 00-1045	EA	6" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090) .....	163.96	21.94
23 05 29 00-1046	EA	8" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090) .....	208.42	27.42
23 05 29 00-1047	EA	10" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090) .....	281.38	36.74
23 05 29 00-1048	EA	12" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090) .....	364.63	54.84
<b>23 05 29 00-1049</b>		<b>Pipe Saddle Support (Cooper B-Line B3095) (23 05 29 00-0909)</b>		
23 05 29 00-1050	EA	2-1/2" Pipe Saddle Support (Cooper B-Line B3095) .....	64.38	13.70
23 05 29 00-1051	EA	3" Pipe Saddle Support (Cooper B-Line B3095) .....	68.30	15.90
23 05 29 00-1052	EA	3-1/2" Pipe Saddle Support (Cooper B-Line B3095) .....	106.18	17.00
23 05 29 00-1053	EA	4" Pipe Saddle Support (Cooper B-Line B3095) .....	108.74	18.10
23 05 29 00-1054	EA	5" Pipe Saddle Support (Cooper B-Line B3095) .....	119.71	19.74
23 05 29 00-1055	EA	6" Pipe Saddle Support (Cooper B-Line B3095) .....	132.68	21.94
23 05 29 00-1056	EA	8" Pipe Saddle Support (Cooper B-Line B3095) .....	151.10	27.42
23 05 29 00-1057	EA	10" Pipe Saddle Support (Cooper B-Line B3095) .....	174.06	36.74
23 05 29 00-1058	EA	12" Pipe Saddle Support (Cooper B-Line B3095) .....	215.69	54.84
<b>23 05 29 00-1059</b>		<b>360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0909)</b>		
		Note: Insert is for use as isolated protective insulation at hangers.		
<b>23 05 29 00-1060</b>		<b>1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-1059)</b>		
23 05 29 00-1061	EA	1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	15.50	6.98
23 05 29 00-1062	EA	3/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	15.75	6.98
23 05 29 00-1063	EA	1" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	15.81	6.98
23 05 29 00-1064	EA	1-1/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	16.06	6.98
23 05 29 00-1065	EA	1-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	17.18	7.40
23 05 29 00-1066	EA	2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	17.92	7.63
23 05 29 00-1067	EA	2-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	18.79	7.95
23 05 29 00-1068	EA	3" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	19.72	8.26
23 05 29 00-1069	EA	4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	21.33	8.58
23 05 29 00-1070	EA	6" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	22.13	7.40
23 05 29 00-1071	EA	8" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	33.61	9.66
23 05 29 00-1072	EA	10" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	39.72	11.38
23 05 29 00-1073	EA	12" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	45.35	13.21
23 05 29 00-1074	EA	14" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	50.70	13.63
<b>23 05 29 00-1075</b>		<b>1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-1059)</b>		
23 05 29 00-1076	EA	1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	13.13	5.26
23 05 29 00-1077	EA	3/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	14.36	5.26
23 05 29 00-1078	EA	1" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	14.67	5.37
23 05 29 00-1079	EA	1-1/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	15.13	5.47
23 05 29 00-1080	EA	1-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	15.57	5.47
23 05 29 00-1081	EA	2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	16.34	5.69
23 05 29 00-1082	EA	2-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	17.26	5.90
23 05 29 00-1083	EA	3" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	17.75	6.01
23 05 29 00-1084	EA	4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	19.49	6.55
23 05 29 00-1085	EA	6" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	29.48	11.27
23 05 29 00-1086	EA	8" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	26.17	8.48
23 05 29 00-1087	EA	10" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	31.64	9.98
23 05 29 00-1088	EA	12" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	35.97	11.48
23 05 29 00-1089	EA	14" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	42.54	13.85
<b>23 05 29 00-1090</b>		<b>2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-1059)</b>		
23 05 29 00-1091	EA	1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	17.88	6.01
23 05 29 00-1092	EA	3/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	18.08	6.01
23 05 29 00-1093	EA	1" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	18.66	6.12
23 05 29 00-1094	EA	1-1/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	19.16	6.23
23 05 29 00-1095	EA	1-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	19.70	6.34
23 05 29 00-1096	EA	2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	20.45	6.55
23 05 29 00-1097	EA	2-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	21.52	6.76

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 05 29 00-1098	EA	3" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	22.50	6.98
23 05 29 00-1099	EA	4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	24.68	7.40
23 05 29 00-1100	EA	6" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	28.21	8.37
23 05 29 00-1101	EA	8" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	44.24	14.28
23 05 29 00-1102	EA	10" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	48.64	16.53
23 05 29 00-1103	EA	12" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	56.26	19.53
23 05 29 00-1104	EA	14" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	63.08	21.90
23 05 29 00-1105	EA	16" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	70.52	24.69
23 05 29 00-1106	EA	18" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	81.02	28.98
23 05 29 00-1107	EA	20" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	89.97	32.21
23 05 29 00-1108	EA	24" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	101.67	36.50

**23 05 29 00-1109 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate**

23 05 29 00-1110	EA	1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	20.49	6.98
23 05 29 00-1111	EA	3/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	20.71	6.98
23 05 29 00-1112	EA	1" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	21.42	7.08
23 05 29 00-1113	EA	1-1/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	21.95	7.19
23 05 29 00-1114	EA	1-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	22.48	7.19
23 05 29 00-1115	EA	2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	23.41	7.52
23 05 29 00-1116	EA	2-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	24.61	7.73
23 05 29 00-1117	EA	3" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	25.74	8.05
23 05 29 00-1118	EA	4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	28.19	8.48
23 05 29 00-1119	EA	6" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	32.28	9.66
23 05 29 00-1120	EA	8" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	41.73	10.74
23 05 29 00-1121	EA	10" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	49.55	12.34
23 05 29 00-1122	EA	12" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	57.18	15.35
23 05 29 00-1123	EA	14" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	64.26	16.85
23 05 29 00-1124	EA	16" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	76.73	21.47
23 05 29 00-1125	EA	18" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	82.15	22.55
23 05 29 00-1126	EA	20" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	93.36	25.76
23 05 29 00-1127	EA	24" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	110.34	31.13

**23 05 29 00-1128 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate**

23 05 29 00-1129	EA	1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	41.55	7.19
23 05 29 00-1130	EA	3/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	49.37	7.52
23 05 29 00-1131	EA	1" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	51.27	7.52
23 05 29 00-1132	EA	1-1/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	52.49	7.73
23 05 29 00-1133	EA	1-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	53.93	7.95
23 05 29 00-1134	EA	2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	55.54	8.05
23 05 29 00-1135	EA	2-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	58.46	8.26
23 05 29 00-1136	EA	3" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	61.01	8.80
23 05 29 00-1137	EA	4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	67.18	9.13
23 05 29 00-1138	EA	6" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	76.85	11.16
23 05 29 00-1139	EA	8" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	99.00	12.24
23 05 29 00-1140	EA	10" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	117.69	12.89
23 05 29 00-1141	EA	12" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	135.29	16.64
23 05 29 00-1142	EA	14" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	152.22	17.71
23 05 29 00-1143	EA	16" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	182.67	23.61
23 05 29 00-1144	EA	18" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	196.63	25.76
23 05 29 00-1145	EA	20" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	222.64	27.91
23 05 29 00-1146	EA	24" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	261.60	34.35

**23 05 29 00-1147 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate**

23 05 29 00-1148	EA	1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	20.49	6.98
23 05 29 00-1149	EA	3/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	24.76	8.48
23 05 29 00-1150	EA	1" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	25.75	8.48
23 05 29 00-1151	EA	1-1/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	26.33	8.58
23 05 29 00-1152	EA	1-1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	27.05	8.69
23 05 29 00-1153	EA	2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	28.03	9.02
23 05 29 00-1154	EA	2-1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	29.51	9.34
23 05 29 00-1155	EA	3" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	30.78	9.66
23 05 29 00-1156	EA	4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	33.87	10.20
23 05 29 00-1157	EA	6" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	38.72	11.60
23 05 29 00-1158	EA	8" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	50.04	12.89
23 05 29 00-1159	EA	10" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	59.46	14.81
23 05 29 00-1160	EA	12" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	68.60	18.47
23 05 29 00-1161	EA	14" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	77.12	20.18
23 05 29 00-1162	EA	16" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	92.09	25.76
23 05 29 00-1163	EA	18" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	98.58	27.05
23 05 29 00-1164	EA	20" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	112.08	30.92
23 05 29 00-1165	EA	24" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	132.42	37.36

**23 05 29 00-1166 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate**

23 05 29 00-1167	EA	1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	27.62	9.45
23 05 29 00-1168	EA	3/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	27.93	9.45
23 05 29 00-1169	EA	1" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	28.90	9.55

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1170	EA		1-1/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	29.68	9.66
23 05 29 00-1171	EA		1-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	30.24	9.66
23 05 29 00-1172	EA		2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	31.94	10.31
23 05 29 00-1173	EA		2-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	33.17	10.42
23 05 29 00-1174	EA		3" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	34.75	10.84
23 05 29 00-1175	EA		4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	38.08	11.48
23 05 29 00-1176	EA		6" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	43.54	12.99
23 05 29 00-1177	EA		8" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	55.48	14.06
23 05 29 00-1178	EA		10" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	66.90	16.74
23 05 29 00-1179	EA		12" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	77.19	20.82
23 05 29 00-1180	EA		14" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	86.78	22.65
23 05 29 00-1181	EA		16" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	103.64	28.98
23 05 29 00-1182	EA		18" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	110.86	30.38
23 05 29 00-1183	EA		20" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	124.77	34.78
23 05 29 00-1184	EA		24" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	149.00	42.08
23 05 29 00-1185	EA		26" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	170.47	49.49
23 05 29 00-1186	EA		28" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	194.69	58.40
23 05 29 00-1187	EA		30" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	221.26	69.03
23 05 29 00-1188	EA		42" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	319.19	106.60
23 05 29 00-1189	EA		44" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	344.62	117.34
23 05 29 00-1190	EA		46" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	367.75	126.67
23 05 29 00-1191	<b>Equipment Housekeeping Pads</b> <small>(23 05 29)</small>				
	See CSI section 03 31 13 00-0002 for Concrete Equipment Pads.				
23 05 29 00-1192	<b>Molded Plastic Condenser Pad</b> <small>(23 05 29 00-1191)</small>				
23 05 29 00-1193	EA		30" Round Molded Plastic Pad .....	130.19	13.70
23 05 29 00-1194	EA		30" Octagon Molded Plastic Pad .....	136.95	13.70
23 05 29 00-1195	EA		30" x 30" Molded Plastic Pad.....	130.19	13.70
23 05 29 00-1196	EA		36" x 36" Molded Plastic Pad.....	170.70	13.70
23 05 29 00-1197	EA		36" x 48" Molded Plastic Pad.....	246.49	13.70
23 05 29 00-1198	<b>Inertia Base</b> <small>(23 05 29 00-1191)</small>				
	Note: Includes spring isolators.				
23 05 29 00-1199	EA		Up To 12 SF Inertia Base, 8" Thick With Spring Base .....	1,318.31	
23 05 29 00-1200	EA		>12 To 16 SF Inertia Base, 8" Thick With Spring Base .....	1,590.65	
23 05 29 00-1201	EA		>16 To 20 SF Inertia Base, 8" Thick With Spring Base .....	1,821.81	
23 05 29 00-1202	EA		>20 To 24 SF Inertia Base, 8" Thick With Spring Base .....	2,080.43	
23 05 29 00-1203	<b>Hanger Assemblies</b> <small>(23 05 29)</small>				
	Note: Includes hanger, rod, nuts, washers, clamps, upper attachment, etc. Not for use where detail is available.				
23 05 29 00-1204	EA		1/2" Standard Duty Clevis Pipe Hanger Assembly .....	47.30	17.05
			Note: Includes hanger, rod, nuts, washers and clamp.		
			<i>For Work In Restricted Working Space, Add</i>	10.97	
23 05 29 00-1205	EA		3/4" Standard Duty Clevis Pipe Hanger Assembly .....	49.33	18.06
			Note: Includes hanger, rod, nuts, washers and clamp.		
			<i>For Work In Restricted Working Space, Add</i>	11.58	
23 05 29 00-1206	EA		1" Standard Duty Clevis Pipe Hanger Assembly .....	51.00	19.14
			Note: Includes hanger, rod, nuts, washers and clamp.		
			<i>For Work In Restricted Working Space, Add</i>	12.05	
23 05 29 00-1207	EA		1-1/4" Standard Duty Clevis Pipe Hanger Assembly .....	51.96	19.17
			Note: Includes hanger, rod, nuts, washers and clamp.		
			<i>For Work In Restricted Working Space, Add</i>	12.24	
23 05 29 00-1208	EA		1-1/2" Standard Duty Clevis Pipe Hanger Assembly .....	52.26	19.17
			Note: Includes hanger, rod, nuts, washers and clamp.		
			<i>For Work In Restricted Working Space, Add</i>	12.24	
23 05 29 00-1209	EA		2" Standard Duty Clevis Pipe Hanger Assembly .....	53.45	19.32
			Note: Includes hanger, rod, nuts, washers and clamp.		
			<i>For Work In Restricted Working Space, Add</i>	12.41	
23 05 29 00-1210	EA		2-1/2" Standard Duty Clevis Pipe Hanger Assembly .....	60.64	19.94
			Note: Includes hanger, rod, nuts, washers and clamp.		
			<i>For Work In Restricted Working Space, Add</i>	12.19	
23 05 29 00-1211	EA		3" Standard Duty Clevis Pipe Hanger Assembly .....	62.79	20.52
			Note: Includes hanger, rod, nuts, washers and clamp.		
			<i>For Work In Restricted Working Space, Add</i>	12.38	
23 05 29 00-1212	EA		4" Standard Duty Clevis Pipe Hanger Assembly .....	75.81	23.16
			Note: Includes hanger, rod, nuts, washers and clamp.		
			<i>For Work In Restricted Working Space, Add</i>	13.67	
23 05 29 00-1213	EA		6" Standard Duty Clevis Pipe Hanger Assembly .....	112.30	29.93
			Note: Includes hanger, rod, nuts, washers and clamp.		
			<i>For Work In Restricted Working Space, Add</i>	17.96	
23 05 29 00-1214	EA		8" Standard Duty Clevis Pipe Hanger Assembly .....	131.90	34.72
			Note: Includes hanger, rod, nuts, washers and clamp.		
			<i>For Work In Restricted Working Space, Add</i>	20.83	
23 05 29 00-1215	EA		10" Standard Duty Clevis Pipe Hanger Assembly .....	183.46	44.11
			Note: Includes hanger, rod, nuts, washers and clamp.		
			<i>For Work In Restricted Working Space, Add</i>	26.13	
23 05 29 00-1216	EA		12" Standard Duty Clevis Pipe Hanger Assembly .....	203.14	47.46
			Note: Includes hanger, rod, nuts, washers and clamp.		
			<i>For Work In Restricted Working Space, Add</i>	28.53	
23 05 29 00-1217	<b>Steel Shapes For Hanger Devices</b> <small>(23 05 29)</small>				
23 05 29 00-1218	<b>Angle Iron For Hanger Devices</b> <small>(23 05 29 00-1217)</small>				

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 05 29 00-1219	LF	1/2" x 1/2" x 1/8" Angle Iron For Hanger Devices .....	2.69	1.59
23 05 29 00-1220	LF	3/4" x 3/4" x 1/8" Angle Iron For Hanger Devices .....	3.54	1.99
23 05 29 00-1221	LF	1" x 1" x 1/8" Angle Iron For Hanger Devices .....	4.40	2.38
23 05 29 00-1222	LF	1-1/4" x 1-1/4" x 3/16" Angle Iron For Hanger Devices .....	6.20	2.97
23 05 29 00-1223	LF	1-1/2" x 1-1/2" x 3/16" Angle Iron For Hanger Devices .....	6.97	3.19
23 05 29 00-1224	LF	2" x 2" x 1/4" Angle Iron For Hanger Devices .....	9.60	3.58
23 05 29 00-1225	LF	2-1/2" x 2-1/2" x 1/4" Angle Iron For Hanger Devices .....	12.00	4.36
23 05 29 00-1226	LF	3" x 2" x 3/8" Angle Iron For Hanger Devices .....	15.74	5.11
23 05 29 00-1227	LF	3" x 3" x 3/8" Angle Iron For Hanger Devices .....	18.84	5.97

**23 05 29 00-1228 Channels For Hanger Devices (23 05 29 00-1217)**

23 05 29 00-1229	LF	C2 x 1.78, 2" Wide Channels For Hanger Devices .....	7.83	3.88
23 05 29 00-1230	LF	C3 x 4.1, 3" Wide Channels For Hanger Devices .....	13.66	5.58
23 05 29 00-1231	LF	C4 x 5.4, 4" Wide Channels For Hanger Devices .....	17.12	6.70
23 05 29 00-1232	LF	C5 x 6.7 - 5" Wide Channels For Hanger Devices .....	20.58	7.82
23 05 29 00-1233	LF	C6 x 8.2 - 6" Wide Channels For Hanger Devices .....	24.94	9.39
23 05 29 00-1234	LF	C7 x 9.8 - 7" Wide Channels For Hanger Devices .....	29.76	11.18
23 05 29 00-1235	LF	C8 x 11.5 - 8" Wide Channels For Hanger Devices .....	33.81	12.30

**23 05 29 00-1236 Structural Bar Tees For Hanger Devices (23 05 29 00-1217)**

23 05 29 00-1237	LF	3/4" x 3/4" x 1/8" Structural Bar Tee For Hanger Devices .....	8.42	5.46
23 05 29 00-1238	LF	1" x 1" x 1/8" Structural Bar Tee For Hanger Devices .....	10.13	6.45
23 05 29 00-1239	LF	1-1/2" x 1-1/2" x 1/4" Structural Bar Tee For Hanger Devices .....	14.91	7.45
23 05 29 00-1240	LF	2" x 2" x 1/4" Structural Bar Tee For Hanger Devices .....	19.23	9.94
23 05 29 00-1241	LF	2-1/2" x 2-1/2" x 3/8" Structural Bar Tee For Hanger Devices .....	26.70	11.92
23 05 29 00-1242	LF	3" x 3" x 3/8" Structural Bar Tee For Hanger Devices .....	33.43	15.41

**23 05 29 00-1243 Structural Zees For Hanger Devices (23 05 29 00-1217)**

23 05 29 00-1244	LF	1-1/4" x 1-3/4" x 1-3/4" Structural Zee For Hanger Devices .....	14.94	7.45
23 05 29 00-1245	LF	2-1/16" x 3" x 2-11/16" Structural Zee For Hanger Devices .....	18.33	7.45
23 05 29 00-1246	LF	3-1/16" x 4" x 3-1/16" Structural Zee For Hanger Devices .....	27.10	7.45
23 05 29 00-1247	LF	3-1/4" x 5" x 3-1/4" Structural Zee For Hanger Devices .....	34.56	7.45
23 05 29 00-1248	LF	3-1/2" x 6" x 3-1/2" Structural Zee For Hanger Devices .....	42.49	7.45

**23 05 29 00-1249 Junior I-beams For Hanger Devices (23 05 29 00-1217)**

23 05 29 00-1250	LF	3" I-beam (Junior) For Hanger Devices .....	18.26	10.93
23 05 29 00-1251	LF	4" I-beam (Junior) For Hanger Devices .....	21.12	11.92
23 05 29 00-1252	LF	5" I-beam (Junior) For Hanger Devices .....	24.57	12.92
23 05 29 00-1253	LF	6" I-beam (Junior) For Hanger Devices .....	26.89	14.41
23 05 29 00-1254	LF	7" I-beam (Junior) For Hanger Devices .....	32.36	15.41
23 05 29 00-1255	LF	8" I-beam (Junior) For Hanger Devices .....	35.08	16.39

**23 05 33 Heat Tracing for HVAC Piping (23 05)**

See CSI section 23 83 13 00-0000 for heat tracing cables.

**23 05 48 Vibration and Seismic Controls for HVAC (23 05)****23 05 48 13 Vibration Controls for HVAC (23 05 48)****23 05 48 13-0001 Unhoused Stable Steel Spring Isolators (23 05 48 13)**

Note: Includes leveling adjustment, cast top, base plate and pad. For use with floor mounted equipment only.

23 05 48 13-0002	EA	60 LB Unhoused Steel Spring Isolator .....	98.20	30.69
23 05 48 13-0003	EA	115 LB Unhoused Steel Spring Isolator .....	104.17	30.69
23 05 48 13-0004	EA	1,130 LB Unhoused Steel Spring Isolator .....	123.97	30.69

**23 05 48 13-0005 Housed Stable Steel Spring Isolators (23 05 48 13)**

Note: Includes leveling adjustment, top plate, base plate and pad. For use with floor mounted equipment only. Mason Industries, Inc.

23 05 48 13-0006	EA	To 770 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection .....	539.27	30.69
23 05 48 13-0007	EA	To 1,040 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection .....	612.87	30.69
23 05 48 13-0008	EA	To 1,600 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection .....	649.67	30.69
23 05 48 13-0009	EA	To 2,250 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection .....	796.86	30.69
23 05 48 13-0010	EA	To 3,250 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection .....	833.66	30.69
23 05 48 13-0011	EA	To 730 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection .....	603.67	30.69
23 05 48 13-0012	EA	To 930 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection .....	668.07	30.69
23 05 48 13-0013	EA	To 1,440 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection .....	714.06	30.69
23 05 48 13-0014	EA	To 1,860 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection .....	925.65	30.69
23 05 48 13-0015	EA	To 2,880 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection .....	1,008.45	30.69
23 05 48 13-0016	EA	To 3,720 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection .....	1,201.64	30.69

**23 05 48 13-0017 Vibration Isolators (23 05 48 13)****23 05 48 13-0018 Spring And Rubber Hanger For 1" Deflection (23 05 48 13-0017)**

23 05 48 13-0019	EA	50 To 500 LB Rated Spring And Rubber Hanger For Vibration Isolation With 3/4" Max Rod Size .....	127.13	19.74
23 05 48 13-0020	EA	600 To 1,000 LB Rated Spring And Rubber Hanger For Vibration Isolation With 7/8" Max Rod Size .....	264.88	21.94

**23 05 48 13-0021 Rubber-In-Shear Isolator Hanger (23 05 48 13-0017)**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0022 EA 45-340 LB Rubber In Shear Hanger 0.38" Deflection With <1/2" Rod Size .....	71.37	16.45
23 05 48 13-0023 EA 130-700 LB Rubber In Shear Hanger 0.43" Deflection With <3/4" Rod Size .....	92.30	19.74
<b>23 05 48 13-0024 Spring Hanger For 1" Deflection (23 05 48 13-0017)</b>		
23 05 48 13-0025 EA 50 To 1,000 LB Rubber In Shear Hanger For 1" Deflection With <3/4" Rod Size .....	81.09	19.74
<b>23 05 48 13-0026 Rubber-In-Shear Vibration Isolator (23 05 48 13-0017)</b>		
23 05 48 13-0027 EA 45 To 340 LB Rubber In Shear Vibration Isolation With 0.38" Deflection .....	149.27	37.29
23 05 48 13-0028 EA 130 To 700 LB Rubber In Shear Vibration Isolation With 0.43" Deflection .....	202.12	37.29
23 05 48 13-0029 EA 550 To 1,920 LB Rubber In Shear Vibration Isolation With 0.48" Deflection .....	383.50	37.29
<b>23 05 48 13-0030 Two-Piece Spring Type Vibration Isolator (23 05 48 13-0017)</b>		
Note: For equipment support aluminum construction 1/2" adjusting and leveling bolt 1" deflection.		
23 05 48 13-0031 EA 50 To 1,000 LB Rated Load 2-Piece Isolator Spring Type Vibration Isolator .....	127.00	37.29
23 05 48 13-0032 EA >1,000 To 1,600 LB Rated Load 2-Piece Isolator Spring Type Vibration Isolator .....	130.94	37.29
<b>23 05 48 13-0033 Open Double Spring Type Vibration Isolator (23 05 48 13-0017)</b>		
Note: For equipment support 1" deflection neoprene pad and 5/8" stud bolt.		
23 05 48 13-0034 EA 150 To 450 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator .....	97.48	18.64
23 05 48 13-0035 EA 500 To 1,000 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator .....	97.48	18.64
23 05 48 13-0036 EA 1,100 To 1,600 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator .....	110.61	18.64
23 05 48 13-0037 EA 1,700 To 2,400 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator .....	110.61	18.64
23 05 48 13-0038 EA 2,500 To 3,400 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator .....	169.99	18.64
<b>23 05 48 13-0039 Isolation Pads (23 05 48 13-0017)</b>		
<b>23 05 48 13-0040 Laminated Neoprene And Cork Isolation Pad (23 05 48 13-0039)</b>		
23 05 48 13-0041 EA 2" x 2", 1" Thick Laminated Neoprene And Cork Isolation Pad .....	6.60	2.74
23 05 48 13-0042 EA 3" x 3", 1" Thick Laminated Neoprene And Cork Isolation Pad .....	8.41	2.85
23 05 48 13-0043 EA 4" x 4", 1" Thick Laminated Neoprene And Cork Isolation Pad .....	10.49	2.96
23 05 48 13-0044 EA 12" x 12", 1" Thick Laminated Neoprene And Cork Isolation Pad .....	40.86	3.40
23 05 48 13-0045 EA 18" x 18", 1" Thick Laminated Neoprene And Cork Isolation Pad .....	77.99	3.84
<b>23 05 48 13-0046 Neoprene And Steel Plate Isolation Pad (23 05 48 13-0039)</b>		
23 05 48 13-0047 EA 6" x 4", 5/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad .....	64.03	2.74
23 05 48 13-0048 EA 6" x 4", 7/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad .....	70.48	2.74
<b>23 05 48 13-0049 Neoprene Isolation Pad (23 05 48 13-0039)</b>		
23 05 48 13-0050 EA 2" x 2", 3/8" Thick Ribbed Neoprene Isolation Pad .....	6.17	2.74
23 05 48 13-0051 EA 3" x 3", 3/8" Thick Ribbed Neoprene Isolation Pad .....	7.02	2.74
23 05 48 13-0052 EA 4" x 4", 3/8" Thick Ribbed Neoprene Isolation Pad .....	8.36	2.74
23 05 48 13-0053 EA 12" x 12", 3/8" Thick Ribbed Neoprene Isolation Pad .....	40.20	3.29
23 05 48 13-0054 EA 18" x 18", 3/8" Thick Ribbed Neoprene Isolation Pad .....	73.31	3.84
<b>23 05 48 13-0055 Ribbed Neoprene Isolation Pad (23 05 48 13-0039)</b>		
23 05 48 13-0056 EA 2" x 2", 3/8" Thick Ribbed Neoprene Isolation Pad .....	6.06	2.74
23 05 48 13-0057 EA 3" x 3", 3/8" Thick Ribbed Neoprene Isolation Pad .....	6.81	2.85
23 05 48 13-0058 EA 4" x 4", 3/8" Thick Ribbed Neoprene Isolation Pad .....	7.99	2.96
23 05 48 13-0059 EA 6" x 6", 3/8" Thick Ribbed Neoprene Isolation Pad .....	10.77	3.18
23 05 48 13-0060 EA 9" x 9", 3/8" Thick Ribbed Neoprene Isolation Pad .....	18.34	3.40
23 05 48 13-0061 EA 18" x 18", 3/8" Thick Ribbed Neoprene Isolation Pad .....	33.47	3.84
<b>23 05 48 13-0062 Cork And Ribbed Neoprene Isolation Pad (23 05 48 13-0039)</b>		
23 05 48 13-0063 EA 2" x 2", 7/8" Thick Cork And Ribbed Neoprene Isolation Pad .....	6.31	2.74
23 05 48 13-0064 EA 3" x 3", 7/8" Thick Cork And Ribbed Neoprene Isolation Pad .....	7.99	2.85
23 05 48 13-0065 EA 4" x 4", 7/8" Thick Cork And Ribbed Neoprene Isolation Pad .....	9.85	2.96
23 05 48 13-0066 EA 6" x 6", 7/8" Thick Cork And Ribbed Neoprene Isolation Pad .....	13.56	3.18
23 05 48 13-0067 EA 9" x 9", 7/8" Thick Cork And Ribbed Neoprene Isolation Pad .....	24.34	3.40
23 05 48 13-0068 EA 18" x 18", 7/8" Thick Cork And Ribbed Neoprene Isolation Pad .....	51.39	3.84
<b>23 05 48 13-0069 Cork, Ribbed Neoprene And Steel Isolation Pad (23 05 48 13-0039)</b>		
23 05 48 13-0070 EA 2" x 2", 1-1/8" Thick Cork, Ribbed Neoprene And Steel Isolation Pad .....	62.33	2.74
23 05 48 13-0071 EA 3" x 3", 1-1/8" Thick Cork, Ribbed Neoprene And Steel Isolation Pad .....	78.32	2.85
23 05 48 13-0072 EA 4" x 4", 1-1/8" Thick Cork, Ribbed Neoprene And Steel Isolation Pad .....	103.94	2.96
23 05 48 13-0073 EA 5" x 5", 1-1/8" Thick Cork, Ribbed Neoprene And Steel Isolation Pad .....	133.03	3.18
23 05 48 13-0074 EA 6" x 6", 1-1/8" Thick Cork, Ribbed Neoprene And Steel Isolation Pad .....	163.11	3.40
23 05 48 13-0075 EA 8" x 8", 1-1/8" Thick Cork, Ribbed Neoprene And Steel Isolation Pad .....	198.18	3.84
<b>23 05 48 13-0076 Rubber Cube Isolation Pad (23 05 48 13-0039)</b>		
23 05 48 13-0077 EA 2" x 2", 3/4" Thick Rubber Cube Isolation Pad .....	6.40	2.74
23 05 48 13-0078 EA 4" x 4", 3/4" Thick Rubber Cube Isolation Pad .....	9.93	2.96
23 05 48 13-0079 EA 18" x 18", 3/4" Thick Rubber Cube Isolation Pad .....	60.85	3.84

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 48 Vibration and Seismic Controls for HVAC**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

				TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
<b>23 05 48 13-0080</b>		<b>Threaded Flexible Bronze Hose Connectors</b> (23 05 48 13)			
Note: Includes hex threaded nipple ends.					
23 05 48 13-0081	EA	3/8" Diameter x 9" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends .....	69.30		17.54
23 05 48 13-0082	EA	1/2" Diameter x 10" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends .....	81.60		24.12
23 05 48 13-0083	EA	3/4" Diameter x 11" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends .....	100.12		29.61
23 05 48 13-0084	EA	1" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends .....	116.59		35.10
23 05 48 13-0085	EA	1-1/4" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends .....	133.77		46.06
23 05 48 13-0086	EA	1-1/2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends .....	150.74		49.02
23 05 48 13-0087	EA	2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends .....	201.46		58.12
23 05 48 13-0088	EA	2-1/2" Diameter x 16" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends .....	277.23		90.59
<b>23 05 48 13-0089</b>		<b>Weld End Flexible Hose Connectors</b> (23 05 48 13)			
23 05 48 13-0090	EA	1/2" Diameter x 10" Flexible Hose Connection, Weld Ends .....	273.01		62.95
23 05 48 13-0091	EA	3/4" Diameter x 10" Flexible Hose Connection, Weld Ends .....	320.29		69.09
23 05 48 13-0092	EA	1" Diameter x 10" Flexible Hose Connection, Weld Ends .....	362.87		73.15
23 05 48 13-0093	EA	1-1/4" Diameter x 11" Flexible Hose Connection, Weld Ends .....	405.22		83.35
23 05 48 13-0094	EA	1-1/2" Diameter x 12" Flexible Hose Connection, Weld Ends .....	461.18		89.93
23 05 48 13-0095	EA	2" Diameter x 14" Flexible Hose Connection, Weld Ends .....	577.61		117.01
23 05 48 13-0096	EA	2-1/2" Diameter x 16" Flexible Hose Connection, Weld Ends .....	882.43		131.61
23 05 48 13-0097	EA	3" Diameter x 16" Flexible Hose Connection, Weld Ends .....	1,095.06		148.05
23 05 48 13-0098	EA	4" Diameter x 18" Flexible Hose Connection, Weld Ends .....	1,509.62		219.35
<b>23 05 48 13-0099</b>		<b>Flanged Flexible Hose Connectors</b> (23 05 48 13)			
<b>23 05 48 13-0100</b>		<b>Flanged Flexible Molded Rubber Hose Connectors</b> (23 05 48 13-0099)			
Note: With helical wire reinforcement 150 PSI.					
23 05 48 13-0101	EA	1-1/2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI .....	210.37		82.25
23 05 48 13-0102	EA	2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI .....	227.82		91.36
23 05 48 13-0103	EA	2-1/2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI .....	373.51		182.50
23 05 48 13-0104	EA	3" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI .....	519.09		271.44
23 05 48 13-0105	EA	4" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI .....	675.85		350.40
23 05 48 13-0106	EA	6" Diameter x 18" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI .....	852.22		364.40
23 05 48 13-0107	EA	8" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI .....	1,033.74		416.20
23 05 48 13-0108	EA	10" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI .....	1,335.05		495.30
23 05 48 13-0109	EA	12" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI .....	3,279.66		619.48
<b>23 05 48 13-0110</b>		<b>Flanged Flexible Corrugated Stainless Steel Hose Connectors</b> (23 05 48 13-0099)			
Note: With braided metal wire.					
23 05 48 13-0111	EA	1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation .....	164.71		74.79
23 05 48 13-0112	EA	1" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation .....	162.53		102.88
23 05 48 13-0113	EA	1-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation .....	307.15		137.09
23 05 48 13-0114	EA	2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation .....	400.98		205.63
23 05 48 13-0115	EA	2-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation .....	431.67		226.25
23 05 48 13-0116	EA	3" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation .....	502.54		273.96
23 05 48 13-0117	EA	4" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation .....	643.46		350.73
23 05 48 13-0118	EA	6" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation .....	884.17		436.41
23 05 48 13-0119	EA	8" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation .....	1,432.61		583.04
23 05 48 13-0120	EA	10" Diameter x 13" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation .....	1,685.13		674.19
23 05 48 13-0121	EA	12" Diameter x 14" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation .....	2,156.59		728.81
<b>23 05 48 13-0122</b>		<b>Flanged Flexible Molded Teflon Hose Connectors</b> (23 05 48 13-0099)			
Note: 150 PSI.					
23 05 48 13-0123	EA	2-1/2" Diameter x 3-3/16" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation .....	899.18		159.03
23 05 48 13-0124	EA	3" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation .....	1,009.12		186.45
23 05 48 13-0125	EA	4" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation .....	1,531.78		313.35
23 05 48 13-0126	EA	6" Diameter x 4" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation .....	1,861.84		364.40
23 05 48 13-0127	EA	8" Diameter x 6" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation .....	2,442.32		447.00
<b>23 05 48 13-0128</b>		<b>Flexible Hose Connectors Braided Metal Hose Type</b> (23 05 48 13)			
<b>23 05 48 13-0129</b>		<b>Braided Metal Hose Type Flexible Bronze Hose Connectors</b> (23 05 48 13-0128)			
Note: MPT connection.					
23 05 48 13-0130	EA	1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	35.37		2.20
23 05 48 13-0131	EA	1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	42.22		2.20
23 05 48 13-0132	EA	1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	47.05		2.85
23 05 48 13-0133	EA	1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	57.15		2.85
23 05 48 13-0134	EA	3/4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	47.33		2.63
23 05 48 13-0135	EA	3/4" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	57.11		2.63
23 05 48 13-0136	EA	3/4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	65.40		3.39





MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0137	EA	3/4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	80.63	3.39
23 05 48 13-0138	EA	1" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	64.51	3.07
23 05 48 13-0139	EA	1" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	70.51	3.07
23 05 48 13-0140	EA	1" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	83.85	4.06
23 05 48 13-0141	EA	1" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	106.13	4.06
23 05 48 13-0142	EA	1" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	128.24	4.06
23 05 48 13-0143	EA	1" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	150.42	4.06
23 05 48 13-0144	EA	1-1/4" Or 1-1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	91.84	3.94
23 05 48 13-0145	EA	1-1/4" Or 1-1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	101.19	3.94
23 05 48 13-0146	EA	1-1/4" Or 1-1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	129.69	3.94
23 05 48 13-0147	EA	1-1/4" Or 1-1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	180.29	5.25
23 05 48 13-0148	EA	1-1/4" Or 1-1/2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	209.01	5.25
23 05 48 13-0149	EA	1-1/4" Or 1-1/2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	247.22	5.25
23 05 48 13-0150	EA	2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	125.65	4.75
23 05 48 13-0151	EA	2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	145.19	4.75
23 05 48 13-0152	EA	2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	183.04	4.75
23 05 48 13-0153	EA	2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	244.13	6.36
23 05 48 13-0154	EA	2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	301.81	6.36
23 05 48 13-0155	EA	2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	359.45	6.36
23 05 48 13-0156	EA	2-1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	174.36	5.96
23 05 48 13-0157	EA	2-1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	198.43	5.65
23 05 48 13-0158	EA	2-1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	222.75	5.65
23 05 48 13-0159	EA	2-1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	274.76	7.57
23 05 48 13-0160	EA	2-1/2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	323.65	7.57
23 05 48 13-0161	EA	2-1/2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	371.02	7.57
23 05 48 13-0162	EA	3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	274.78	7.57
23 05 48 13-0163	EA	3" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	307.26	7.57
23 05 48 13-0164	EA	3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	492.30	7.57
23 05 48 13-0165	EA	3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	593.70	10.10
23 05 48 13-0166	EA	3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	475.61	10.10
23 05 48 13-0167	EA	3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	539.52	10.10
23 05 48 13-0168	EA	4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	501.54	8.54
23 05 48 13-0169	EA	4" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	539.49	8.54
23 05 48 13-0170	EA	4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	577.43	8.54
23 05 48 13-0171	EA	4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	660.25	11.39
23 05 48 13-0172	EA	4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	735.86	11.39
23 05 48 13-0173	EA	4" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	813.08	11.39

23 05 48 13-0174 **Braided Stainless Steel Flexible Hose Connectors** (23 05 48 13-0128)  
 Note: Over braided carbon steel connection.

23 05 48 13-0175	EA	2" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	149.60	4.81
23 05 48 13-0176	EA	2" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	180.65	4.81
23 05 48 13-0177	EA	2" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	211.11	4.81
23 05 48 13-0178	EA	2" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	276.33	6.45
23 05 48 13-0179	EA	2" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	338.08	6.45
23 05 48 13-0180	EA	2" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	399.76	6.45
23 05 48 13-0181	EA	2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	169.61	5.65
23 05 48 13-0182	EA	2-1/2" Or 3" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	202.06	5.65
23 05 48 13-0183	EA	2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	234.66	5.65
23 05 48 13-0184	EA	2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	304.04	7.57
23 05 48 13-0185	EA	2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	368.96	7.57
23 05 48 13-0186	EA	2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	432.99	7.57
23 05 48 13-0187	EA	4" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	180.17	7.57
23 05 48 13-0188	EA	4" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	217.34	7.77
23 05 48 13-0189	LF	4" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	255.05	7.57
23 05 48 13-0190	EA	4" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	337.78	10.10
23 05 48 13-0191	EA	4" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	412.77	10.10
23 05 48 13-0192	EA	4" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	489.90	10.10
23 05 48 13-0193	EA	6" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	363.22	14.74
23 05 48 13-0194	EA	6" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	535.14	14.85
23 05 48 13-0195	EA	6" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	717.65	19.55
23 05 48 13-0196	EA	6" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	889.63	19.55
23 05 48 13-0197	EA	6" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	1,061.57	19.55



MINOR					TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST		UNIT COST
23 05 48 13-0198	EA	8" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	627.73		17.36	
23 05 48 13-0199	EA	8" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	757.79		17.36	
23 05 48 13-0200	EA	8" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	1,027.32		22.58	
23 05 48 13-0201	EA	8" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	1,285.35		22.58	
23 05 48 13-0202	EA	8" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	1,543.30		22.58	
23 05 48 13-0203	EA	10" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	672.60		21.70	
23 05 48 13-0204	EA	10" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	997.78		21.70	
23 05 48 13-0205	EA	10" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	1,336.38		28.27	
23 05 48 13-0206	EA	10" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	1,662.70		28.27	
23 05 48 13-0207	EA	10" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	1,987.63		28.27	
23 05 48 13-0208	EA	12" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	1,333.49		26.24	
23 05 48 13-0209	EA	12" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	1,739.31		26.24	
23 05 48 13-0210	EA	12" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	2,176.10		35.31	
23 05 48 13-0211	EA	12" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	2,585.47		35.31	
23 05 48 13-0212	EA	12" Diameter x 72" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	2,996.76		35.31	
<b>23 05 48 13-0213 Braided Metal Hose Type Flexible Bronze Hose Connectors</b> <small>(23 05 48 13-0128)</small> Note: Flanged end connection (carbon steel ends).						
23 05 48 13-0214	EA	2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	220.42		4.75	
23 05 48 13-0215	EA	2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	468.76		134.57	
23 05 48 13-0216	EA	2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	559.60		134.57	
23 05 48 13-0217	EA	2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	650.43		134.57	
23 05 48 13-0218	EA	2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	741.31		134.57	
23 05 48 13-0219	EA	2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	452.63		171.63	
23 05 48 13-0220	EA	2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	548.35		171.63	
23 05 48 13-0221	EA	2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	644.10		171.63	
23 05 48 13-0222	EA	2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	739.90		171.63	
23 05 48 13-0223	EA	2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	834.02		171.63	
23 05 48 13-0224	EA	4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	653.53		287.72	
23 05 48 13-0225	EA	4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	765.26		288.44	
23 05 48 13-0226	EA	4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	878.80		287.72	
23 05 48 13-0227	EA	4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	1,005.75		287.72	
23 05 48 13-0228	EA	4" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	1,102.76		287.72	
23 05 48 13-0229	EA	6" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	977.03		368.47	
23 05 48 13-0230	EA	6" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	1,230.19		368.47	
23 05 48 13-0231	EA	6" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	1,483.49		369.79	
23 05 48 13-0232	EA	6" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	1,736.68		368.47	
23 05 48 13-0233	EA	6" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	1,989.83		368.47	
23 05 48 13-0234	EA	8" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	1,529.00		443.76	
23 05 48 13-0235	EA	8" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	1,720.52		443.76	
23 05 48 13-0236	EA	8" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	2,100.23		443.76	
23 05 48 13-0237	EA	8" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	2,480.09		443.76	
23 05 48 13-0238	EA	8" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	2,859.77		443.76	
23 05 48 13-0239	EA	10" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	2,417.89		540.24	
23 05 48 13-0240	EA	10" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	2,895.04		540.24	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0241	EA		10" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	3,375.40	540.24
23 05 48 13-0242	EA		10" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	3,854.72	540.24
23 05 48 13-0243	EA		10" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	4,242.10	540.24
23 05 48 13-0244	EA		12" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	3,245.95	656.00
23 05 48 13-0245	EA		12" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	3,851.44	656.00
23 05 48 13-0246	EA		12" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	4,456.90	656.00
23 05 48 13-0247	EA		12" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	5,062.35	656.00
23 05 48 13-0248	EA		12" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	5,667.84	656.00

**23 05 53 Identification for HVAC Piping and Equipment (23 05)**

**23 05 53 00-0001 Systems Identification (23 05 53)**

**23 05 53 00-0002 Pipe Marker Snap-On Type Plastic (23 05 53 00-0001)**

Note: Outside diameters of insulation where necessary.

23 05 53 00-0003	EA	1/2" Outside Diameter Snap-On Plastic Marker.....	18.38
23 05 53 00-0004	EA	3/4" Outside Diameter Snap-On Plastic Marker.....	18.66
23 05 53 00-0005	EA	1" Outside Diameter Snap-On Plastic Marker.....	18.80
23 05 53 00-0006	EA	1-1/4" Outside Diameter Snap-On Plastic Marker.....	19.09
23 05 53 00-0007	EA	1-1/2" Outside Diameter Snap-On Plastic Marker.....	22.10
23 05 53 00-0008	EA	2" Outside Diameter Snap-On Plastic Marker.....	22.60
23 05 53 00-0009	EA	2-1/2" Outside Diameter Snap-On Plastic Marker.....	35.61
23 05 53 00-0010	EA	3" Outside Diameter Snap-On Plastic Marker.....	36.00
23 05 53 00-0011	EA	3-1/2" Outside Diameter Snap-On Plastic Marker.....	36.42
23 05 53 00-0012	EA	4" Outside Diameter Snap-On Plastic Marker.....	36.65
23 05 53 00-0013	EA	4-1/2" Outside Diameter Snap-On Plastic Marker.....	36.88
23 05 53 00-0014	EA	5" Outside Diameter Snap-On Plastic Marker.....	37.12
23 05 53 00-0015	EA	6" Outside Diameter Snap-On Plastic Marker.....	38.88
23 05 53 00-0016	EA	7" Outside Diameter Snap-On Plastic Marker.....	39.14
23 05 53 00-0017	EA	8" Outside Diameter Snap-On Plastic Marker.....	48.07
23 05 53 00-0018	EA	10" Outside Diameter Snap-On Plastic Marker.....	49.75
23 05 53 00-0019	EA	12" Outside Diameter Snap-On Plastic Marker.....	57.34
23 05 53 00-0020	EA	14" Outside Diameter Snap-On Plastic Marker.....	65.75

**23 05 53 00-0021 Pipe Markers Pressure-Sensitive (23 05 53 00-0001)**

Note: Outside diameter includes insulation where necessary.

23 05 53 00-0022	EA	1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	12.86
23 05 53 00-0023	EA	3/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	13.40
23 05 53 00-0024	EA	1" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	14.51
23 05 53 00-0025	EA	1-1/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	14.72
23 05 53 00-0026	EA	1-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	15.76
23 05 53 00-0027	EA	2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	16.09
23 05 53 00-0028	EA	2-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	18.23
23 05 53 00-0029	EA	3" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	18.66
23 05 53 00-0030	EA	3-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	18.99
23 05 53 00-0031	EA	4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	19.33
23 05 53 00-0032	EA	4-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	20.01
23 05 53 00-0033	EA	5" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	20.75
23 05 53 00-0034	EA	6" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	21.40
23 05 53 00-0035	EA	7" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	22.03
23 05 53 00-0036	EA	8" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	24.40
23 05 53 00-0037	EA	10" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	25.60
23 05 53 00-0038	EA	12" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	29.96

**23 05 53 00-0039 Valve Identification Tag (23 05 53 00-0001)**

Note: Includes beaded chain and/or "S" hook.

23 05 53 00-0040	EA	2" Diameter Identification Tag, Brass.....	11.02
23 05 53 00-0041	EA	1-1/2" Diameter Identification Tag, Plastic.....	10.42
23 05 53 00-0042	EA	1-1/2" Diameter Identification Tag, Brass.....	10.23

**23 05 53 00-0043 Medical Pipe Labels Pressure-Sensitive (23 05 53 00-0001)**

23 05 53 00-0044	LF	3" Wide, Vinyl Medical Gas Pipe Pressure Sensitive Stick-On Label.....	20.24
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Note: To be wrapped around pipe insulation per location

**23 05 66 Anti-Microbial Ultraviolet Emitters for HVAC Ducts and Equipment (23 05)**

**23 05 66 00-0001 Double Ended Ultraviolet HVAC Microbial Control Fixtures (23 05 66)**

23 05 66 00-0002	EA	24" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-241-VO).....	939.35	75.86
23 05 66 00-0003	EA	30" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-301-VO).....	941.73	79.12

Note: Includes tube.





23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 05 Common Work Results for HVAC

23 05 93 Testing, Adjusting, and Balancing for HVAC



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>23 05 93 00-0009</b>		<b>Air Conditioning Equipment</b> <small>(23 05 93)</small>		
23 05 93 00-0010	EA	Balancing Constant Volume Air Handling Unit.....	808.10	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-404.05	
23 05 93 00-0011	EA	Balancing Package A/C Unit.....	303.04	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-151.52	
23 05 93 00-0012	EA	Balancing Rooftop Heat And Cool Unit.....	404.06	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-202.03	
23 05 93 00-0013	EA	Balancing Variable Volume Air Handling Unit.....	1,414.18	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-707.09	
 <b>23 05 93 00-0014</b>		 <b>Registers, Diffusers, Terminal Air Units And Dampers</b> <small>(23 05 93)</small>		
23 05 93 00-0015	EA	Balancing HVAC Duct System, Ceiling Height To 12' Supply, Return, Exhaust, Register And Diffuser.....	85.63	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-42.82	
23 05 93 00-0016	EA	Balancing HVAC Duct System, Ceiling Height >12' Supply, Return, Exhaust, Register And Diffuser.....	142.72	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-71.36	
23 05 93 00-0017	EA	Balancing HVAC Duct System, Floor Height Supply, Return, Exhaust, Register And Diffuser.....	74.21	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-37.11	
23 05 93 00-0018	EA	Balance Variable Air Volume Box.....	80.41	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-40.21	
23 05 93 00-0019	EA	Balance Constant Volume Box.....	80.41	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-40.21	
23 05 93 00-0020	EA	Balance Fan Powered Box.....	91.33	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-45.67	
23 05 93 00-0021	EA	Balance Lab Fume Hood.....	371.07	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-185.54	
23 05 93 00-0022	EA	Balance General Hood.....	285.43	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-142.72	
23 05 93 00-0023	EA	Balance Induction Unit.....	171.27	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-85.64	
23 05 93 00-0024	EA	Balance Moduline - Master.....	68.49	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-34.25	
23 05 93 00-0025	EA	Balance Moduline - Slave.....	34.25	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-17.13	
23 05 93 00-0026	EA	Balance Dampers.....	31.80	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-15.90	
23 05 93 00-0027	EA	Balance Regenerators.....	455.96	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-227.98	
 <b>23 05 93 00-0028</b>		 <b>Water Balancing Of Components</b> <small>(23 05 93)</small>		
23 05 93 00-0029	EA	Water Balance, Air Cool Condenser.....	555.62	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-277.81	
23 05 93 00-0030	EA	Water Balance, Cabinet Heater.....	70.71	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-35.36	
23 05 93 00-0031	EA	Water Balance, Chiller, Air Cooled.....	606.03	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-303.02	
23 05 93 00-0032	EA	Water Balance, Chiller, Water Cooled.....	808.10	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-404.05	
23 05 93 00-0033	EA	Water Balance, Cooling Tower.....	404.06	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-202.03	
23 05 93 00-0034	EA	Water Balance, Fan Coil And Vent.....	101.07	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-50.54	
23 05 93 00-0035	EA	Water Balance, Fin Tube And Radiant Panel.....	101.01	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-50.51	
23 05 93 00-0036	EA	Water Balance, Main And Duct Re-Heat Coil.....	111.11	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-55.56	
23 05 93 00-0037	EA	Water Balance, Pumps.....	303.05	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-151.53	
23 05 93 00-0038	EA	Water Balance, Unit Heater.....	70.71	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-35.36	
23 05 93 00-0039	EA	Water Balancing, Converter.....	303.16	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-151.58	
23 05 93 00-0040	EA	Water Balancing, Cocks And Valves.....	50.50	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-25.25	
23 05 93 00-0041	EA	Water Balance, Convectur.....	60.60	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-30.30	
23 05 93 00-0042	EA	Water Balancing, Backflow Preventer Or Reduced Pressure Zone Valves.....	75.76	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-37.88	
23 05 93 00-0043	EA	Water Balance, Boiler, Up To 500 MBH.....	656.58	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-328.29	
23 05 93 00-0044	EA	>500 To 1,000 MBH, Water Balance, Boiler.....	1,212.16	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-606.08	
23 05 93 00-0045	EA	>1,000 MBH, Water Balance, Boiler.....	2,222.29	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-1,111.15	
 <b>23 05 93 00-0046</b>		 <b>Non Destructive Testing</b> <small>(23 05 93)</small>		
23 05 93 00-0047		<b>X-Ray Welds, Non-Destructive Testing</b> <small>(23 05 93 00-0046)</small>		
23 05 93 00-0048		<b>Minimum Charge For X-Ray Welds</b> <small>(23 05 93 00-0047)</small>		
23 05 93 00-0049	EA	X-Ray Welds Minimum Set-Up Charge.....	894.51	
		Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		





Table with columns: MINOR, CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include HVAC piping tests (e.g., >1,000' To 2,000', >4" To 10" Piping, Pneumatic Testing) and EPA testing of sludge.

23 07 HVAC Insulation (23)

23 07 13 Duct Insulation (23 07)

Note: Based on SF surface area of duct to receive insulation.

23 07 13 00-0001 FSK Fiber Glass Duct Wrap Insulation (23 07 13)
Note: Foil-scrim kraft (FSK) facing lapped and joints sealed vapor tight. See CSI section 23 33 53 00-0000 for internal duct insulation.

23 07 13 00-0002 Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation (23 07 13 00-0001)

Table detailing duct wrap insulation for Type 75. Includes rows for 1" thick with facing, 1-1/2" thick with facing, and 2" thick, with associated costs and adjustments.

23 07 13 00-0008 Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation (23 07 13 00-0001)

Table detailing duct wrap insulation for Type 100. Includes rows for 1" thick with facing, 1-1/2" thick with facing, and 2" thick, with associated costs and adjustments.

23 07 13 00-0012 Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation (23 07 13 00-0001)

Table detailing duct wrap insulation for Type 150. Includes rows for 1" thick with facing, 1-1/2" thick with facing, and 2" thick, with associated costs and adjustments.

23 07 13 00-0016 3 LB/CF FSK Rigid Fiber Glass Board Insulation (23 07 13)

Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fasteners.

Table detailing rigid fiber glass board insulation for 3 LB/CF. Includes rows for 1" thick with facing and 1-1/2" thick with facing, with associated costs and adjustments.



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 13 00-0019	SF		2" Thick, 3 LB/CF FSK Rigid Fiber Glass Board Insulation..... <i>For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add</i> <i>For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add</i> <i>For Non-Metallic Weatherproof Paste, 2 LB, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.96 34.97 26.46 21.67 4.20	8.22
<b>23 07 13 00-0020</b>			<b>4.253 LB/CF FSK Rigid Fiber Glass Board Insulation (23 07 13)</b> Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fastener.		
23 07 13 00-0021	SF		1" Thick, 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation..... <i>For Work In Restricted Working Space, Add</i>	11.28 3.15	6.17
23 07 13 00-0022	SF		1-1/2" Thick, 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation..... <i>For Work In Restricted Working Space, Add</i>	14.53 3.83	7.50
23 07 13 00-0023	SF		2" Thick, 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation..... <i>For Work In Restricted Working Space, Add</i>	18.50 4.62	9.05
<b>23 07 13 00-0024</b>			<b>Sheet Flexible Elastomeric Insulation (23 07 13)</b>		
23 07 13 00-0025	SF		3/8" Thick, Sheet Flexible Elastomeric Insulation .....	8.66	2.90
23 07 13 00-0026	SF		1/2" Thick, Sheet Flexible Elastomeric Insulation .....	9.25	3.06
23 07 13 00-0027	SF		3/4" Thick, Sheet Flexible Elastomeric Insulation .....	12.14	3.22
23 07 13 00-0028	SF		1" Thick, Sheet Flexible Elastomeric Insulation .....	14.00	3.38
23 07 13 00-0029	SF		1-1/2" Thick, Sheet Flexible Elastomeric Insulation .....	19.38	3.71
23 07 13 00-0030	SF		2" Thick, Sheet Flexible Elastomeric Insulation .....	22.92	4.03
<b>23 07 13 00-0031</b>			<b>Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation (23 07 13)</b> Note: Jacketing is a 3-ply laminate consisting of a PVC core, 0.012" thick aluminum foil jacketing and UV-protective Mylar film.		
23 07 13 00-0032	SF		1/2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation .....	12.82	3.06
23 07 13 00-0033	SF		3/4" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation .....	14.10	3.22
23 07 13 00-0034	SF		1" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation.....	15.71	3.38
23 07 13 00-0035	SF		1-1/2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation.....	24.52	3.71
23 07 13 00-0036	SF		2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation.....	29.05	4.03
<b>23 07 13 00-0037</b>			<b>Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation (23 07 13)</b> Note: Jacketing is a 3-ply laminate consisting of a PVC core, 0.012" thick aluminum foil jacketing and UV-protective Mylar film.		
23 07 13 00-0038	SF		1/2" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation .....	15.36	3.06
23 07 13 00-0039	SF		3/4" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation .....	16.64	3.22
23 07 13 00-0040	SF		1" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation .....	18.70	3.38
23 07 13 00-0041	SF		1-1/2" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation .....	27.47	3.71
<b>23 07 16 HVAC Equipment Insulation (23 07)</b>					
<b>23 07 16 00-0001</b>			<b>Calcium Silicate Block Insulation (23 07 16)</b>		
23 07 16 00-0002	SF		1" Thick, Calcium Silicate Block Insulation .....	16.29	6.73
			<i>For Work In Restricted Working Space, Add</i>	4.04	
23 07 16 00-0003	SF		1-1/2" Thick, Calcium Silicate Block Insulation .....	19.40	7.57
			<i>For Work In Restricted Working Space, Add</i>	4.55	
23 07 16 00-0004	SF		2" Thick, Calcium Silicate Block Insulation .....	23.18	8.73
			<i>For Work In Restricted Working Space, Add</i>	5.26	
23 07 16 00-0005	SF		2-1/2" Thick, Calcium Silicate Block Insulation .....	27.59	10.25
			<i>For Work In Restricted Working Space, Add</i>	6.15	
23 07 16 00-0006	SF		3" Thick, Calcium Silicate Block Insulation .....	33.73	12.62
			<i>For Work In Restricted Working Space, Add</i>	7.57	
<b>23 07 19 HVAC Piping Insulation (23 07)</b>					
			See CSI section 22 07 19 00-0000 for pipe insulation.		
<b>23 07 19 00-0001</b>			<b>Calcium Silicate Pipe Insulation (23 07 19)</b> Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint. See CSI section 22 07 19 00-0590 for protective jacketing.		
<b>23 07 19 00-0002</b>			<b>1" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)</b>		
23 07 19 00-0003	LF		1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation .....	13.58	3.53
			<i>For Work In Restricted Working Space, Add</i>	2.65	
23 07 19 00-0004	LF		3/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation .....	13.58	3.53
			<i>For Work In Restricted Working Space, Add</i>	2.65	
23 07 19 00-0005	LF		1" Diameter Pipe, 1" Thick Calcium Silicate Insulation .....	13.51	3.58
			<i>For Work In Restricted Working Space, Add</i>	2.69	
23 07 19 00-0006	LF		1-1/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation .....	13.72	3.63
			<i>For Work In Restricted Working Space, Add</i>	2.72	
23 07 19 00-0007	LF		1-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation .....	13.88	3.68
			<i>For Work In Restricted Working Space, Add</i>	2.76	
23 07 19 00-0008	LF		2" Diameter Pipe, 1" Thick Calcium Silicate Insulation .....	14.86	3.78
			<i>For Work In Restricted Working Space, Add</i>	2.84	
23 07 19 00-0009	LF		2-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation .....	15.54	3.94
			<i>For Work In Restricted Working Space, Add</i>	2.95	
23 07 19 00-0010	LF		3" Diameter Pipe, 1" Thick Calcium Silicate Insulation .....	16.22	4.04
			<i>For Work In Restricted Working Space, Add</i>	3.03	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 07 HVAC Insulation****23 07 19 HVAC Piping Insulation**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 07 19 00-0011	LF 4" Diameter Pipe, 1" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	18.53 3.26	4.34
23 07 19 00-0012	LF 6" Diameter Pipe, 1" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	20.63 3.68	4.91
<b>23 07 19 00-0013</b>	<b>1-1/2" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)</b>		
23 07 19 00-0014	LF 1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	14.22 2.76	3.68
23 07 19 00-0015	LF 3/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	14.30 2.76	3.68
23 07 19 00-0016	LF 1" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	15.31 2.92	3.90
23 07 19 00-0017	LF 1-1/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	15.93 2.98	3.97
23 07 19 00-0018	LF 1-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	16.56 3.03	4.04
23 07 19 00-0019	LF 2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	17.77 3.20	4.26
23 07 19 00-0020	LF 2-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	18.61 3.25	4.33
23 07 19 00-0021	LF 3" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	19.32 3.36	4.48
23 07 19 00-0022	LF 4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	21.52 3.64	4.85
23 07 19 00-0023	LF 6" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	24.95 4.24	5.66
23 07 19 00-0024	LF 8" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	29.26 4.48	5.97
23 07 19 00-0025	LF 10" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	36.84 5.36	7.15
23 07 19 00-0026	LF 12" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	43.32 6.24	8.32
23 07 19 00-0027	LF 14" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	48.24 6.84	9.13
23 07 19 00-0028	LF 16" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	57.50 8.71	11.62
23 07 19 00-0029	LF 18" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	61.96 9.14	12.19
<b>23 07 19 00-0030</b>	<b>2" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)</b>		
23 07 19 00-0031	LF 1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	18.04 3.03	4.04
23 07 19 00-0032	LF 3/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	18.47 3.03	4.04
23 07 19 00-0033	LF 1" Diameter Pipe, 2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	19.06 3.07	4.09
23 07 19 00-0034	LF 1-1/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	19.82 3.11	4.14
23 07 19 00-0035	LF 1-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	20.35 3.14	4.19
23 07 19 00-0036	LF 2" Diameter Pipe, 2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	21.22 3.26	4.34
23 07 19 00-0037	LF 2-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	23.71 3.37	4.50
23 07 19 00-0038	LF 3" Diameter Pipe, 2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	24.14 3.49	4.65
23 07 19 00-0039	LF 4" Diameter Pipe, 2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	26.74 3.68	4.91
23 07 19 00-0040	LF 6" Diameter Pipe, 2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	32.77 4.42	5.88
23 07 19 00-0041	LF 8" Diameter Pipe, 2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	37.03 4.66	6.22
23 07 19 00-0042	LF 10" Diameter Pipe, 2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	45.60 5.58	7.43
23 07 19 00-0043	LF 12" Diameter Pipe, 2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	52.27 6.68	8.91
23 07 19 00-0044	LF 14" Diameter Pipe, 2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	64.06 9.32	12.43
23 07 19 00-0045	LF 16" Diameter Pipe, 2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	67.43 9.32	12.43
23 07 19 00-0046	LF 18" Diameter Pipe, 2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	72.29 9.78	13.05
23 07 19 00-0047	LF 20" Diameter Pipe, 2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	86.14 11.19	14.91
23 07 19 00-0048	LF 24" Diameter Pipe, 2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	100.33 13.51	18.01
<b>23 07 19 00-0049</b>	<b>2-1/2" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)</b>		
23 07 19 00-0050	LF 1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	21.65 3.50	4.65
23 07 19 00-0051	LF 3/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	22.10 3.50	4.65
23 07 19 00-0052	LF 1" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	22.48 3.55	4.73

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0053	LF		1-1/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	22.69 3.58	4.77
23 07 19 00-0054	LF		1-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	23.27 3.60	4.81
23 07 19 00-0055	LF		2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	24.25 3.75	5.01
23 07 19 00-0056	LF		2-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	27.27 3.88	5.18
23 07 19 00-0057	LF		3" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	27.72 4.02	5.36
23 07 19 00-0058	LF		4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	32.01 4.24	5.65
23 07 19 00-0059	LF		6" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	39.84 4.82	6.42
23 07 19 00-0060	LF		8" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	45.47 5.37	7.15
23 07 19 00-0061	LF		10" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	54.30 6.19	8.25
23 07 19 00-0062	LF		12" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	63.20 7.70	10.26
23 07 19 00-0063	LF		14" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	69.90 8.40	11.20
23 07 19 00-0064	LF		16" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	84.88 10.73	14.32
23 07 19 00-0065	LF		18" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	89.63 11.27	15.03
23 07 19 00-0066	LF		20" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	103.99 12.89	17.18
23 07 19 00-0067	LF		24" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	122.18 15.56	20.75
<b>23 07 19 00-0068 3" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)</b>					
23 07 19 00-0069	LF		1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	27.30 3.87	5.15
23 07 19 00-0070	LF		3/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	27.40 3.87	5.15
23 07 19 00-0071	LF		1" Diameter Pipe, 3" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	27.65 3.91	5.21
23 07 19 00-0072	LF		1-1/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	27.93 3.93	5.24
23 07 19 00-0073	LF		1-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	28.19 3.98	5.30
23 07 19 00-0074	LF		2" Diameter Pipe, 3" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	29.15 4.12	5.50
23 07 19 00-0075	LF		2-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	32.34 4.26	5.68
23 07 19 00-0076	LF		3" Diameter Pipe, 3" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	32.99 4.42	5.88
23 07 19 00-0077	LF		4" Diameter Pipe, 3" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	38.88 4.66	6.22
23 07 19 00-0078	LF		6" Diameter Pipe, 3" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	46.12 5.30	7.06
23 07 19 00-0079	LF		8" Diameter Pipe, 3" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	53.58 5.90	7.87
23 07 19 00-0080	LF		10" Diameter Pipe, 3" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	63.64 6.81	9.08
23 07 19 00-0081	LF		12" Diameter Pipe, 3" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	73.51 8.46	11.28
23 07 19 00-0082	LF		14" Diameter Pipe, 3" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	81.60 9.24	12.32
23 07 19 00-0083	LF		16" Diameter Pipe, 3" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	95.48 11.81	15.75
23 07 19 00-0084	LF		18" Diameter Pipe, 3" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	102.95 12.40	16.53
23 07 19 00-0085	LF		20" Diameter Pipe, 3" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	120.56 14.18	18.90
23 07 19 00-0086	LF		24" Diameter Pipe, 3" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	142.61 17.12	22.83
<b>23 07 19 00-0087 3-1/2" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)</b>					
23 07 19 00-0088	LF		1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	34.79 4.24	5.65
23 07 19 00-0089	LF		3/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	36.09 4.24	5.65
23 07 19 00-0090	LF		1" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	36.18 4.26	5.68
23 07 19 00-0091	LF		1-1/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	36.28 4.29	5.72
23 07 19 00-0092	LF		1-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	37.43 4.35	5.79
23 07 19 00-0093	LF		2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	39.70 4.49	5.98
23 07 19 00-0094	LF		2-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	43.12 4.65	6.21
23 07 19 00-0095	LF		3" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	44.65 4.82	6.42

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 07 HVAC Insulation****23 07 19 HVAC Piping Insulation**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 07 19 00-0096	LF	4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	50.86	6.79
		<i>For Work In Restricted Working Space, Add</i>	5.09	
23 07 19 00-0097	LF	6" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	56.75	7.71
		<i>For Work In Restricted Working Space, Add</i>	5.78	
23 07 19 00-0098	LF	8" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	69.10	8.58
		<i>For Work In Restricted Working Space, Add</i>	6.44	
23 07 19 00-0099	LF	10" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	83.98	9.90
		<i>For Work In Restricted Working Space, Add</i>	7.43	
23 07 19 00-0100	LF	12" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	101.67	12.31
		<i>For Work In Restricted Working Space, Add</i>	9.23	
23 07 19 00-0101	LF	14" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	107.11	13.44
		<i>For Work In Restricted Working Space, Add</i>	10.08	
23 07 19 00-0102	LF	16" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	124.89	17.18
		<i>For Work In Restricted Working Space, Add</i>	12.88	
23 07 19 00-0103	LF	18" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	143.46	18.03
		<i>For Work In Restricted Working Space, Add</i>	13.52	
23 07 19 00-0104	LF	20" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	154.82	20.62
		<i>For Work In Restricted Working Space, Add</i>	15.47	

**23 07 19 00-0105 4" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)**

23 07 19 00-0106	LF	1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	43.44	6.28
		<i>For Work In Restricted Working Space, Add</i>	4.70	
23 07 19 00-0107	LF	3/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation	43.48	6.28
		<i>For Work In Restricted Working Space, Add</i>	4.70	
23 07 19 00-0108	LF	1" Diameter Pipe, 4" Thick Calcium Silicate Insulation	43.76	6.38
		<i>For Work In Restricted Working Space, Add</i>	4.79	
23 07 19 00-0109	LF	1-1/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation	44.96	6.46
		<i>For Work In Restricted Working Space, Add</i>	4.84	
23 07 19 00-0110	LF	1-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	47.61	6.66
		<i>For Work In Restricted Working Space, Add</i>	4.99	
23 07 19 00-0111	LF	2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	48.60	6.86
		<i>For Work In Restricted Working Space, Add</i>	5.15	
23 07 19 00-0112	LF	2-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	53.08	6.97
		<i>For Work In Restricted Working Space, Add</i>	5.23	
23 07 19 00-0113	LF	3" Diameter Pipe, 4" Thick Calcium Silicate Insulation	54.61	7.22
		<i>For Work In Restricted Working Space, Add</i>	5.42	
23 07 19 00-0114	LF	4" Diameter Pipe, 4" Thick Calcium Silicate Insulation	62.00	7.63
		<i>For Work In Restricted Working Space, Add</i>	5.72	
23 07 19 00-0115	LF	6" Diameter Pipe, 4" Thick Calcium Silicate Insulation	71.72	8.65
		<i>For Work In Restricted Working Space, Add</i>	6.49	
23 07 19 00-0116	LF	8" Diameter Pipe, 4" Thick Calcium Silicate Insulation	85.46	9.65
		<i>For Work In Restricted Working Space, Add</i>	7.24	
23 07 19 00-0117	LF	10" Diameter Pipe, 4" Thick Calcium Silicate Insulation	98.40	11.15
		<i>For Work In Restricted Working Space, Add</i>	8.36	
23 07 19 00-0118	LF	12" Diameter Pipe, 4" Thick Calcium Silicate Insulation	112.05	13.85
		<i>For Work In Restricted Working Space, Add</i>	10.39	
23 07 19 00-0119	LF	14" Diameter Pipe, 4" Thick Calcium Silicate Insulation	119.18	15.13
		<i>For Work In Restricted Working Space, Add</i>	11.35	
23 07 19 00-0120	LF	16" Diameter Pipe, 4" Thick Calcium Silicate Insulation	141.11	19.34
		<i>For Work In Restricted Working Space, Add</i>	14.51	
23 07 19 00-0121	LF	18" Diameter Pipe, 4" Thick Calcium Silicate Insulation	150.08	20.27
		<i>For Work In Restricted Working Space, Add</i>	15.20	
23 07 19 00-0122	LF	20" Diameter Pipe, 4" Thick Calcium Silicate Insulation	166.08	23.20
		<i>For Work In Restricted Working Space, Add</i>	17.40	

**23 07 19 00-0123 Weather-Protective Coating For Calcium Silicate Pipe Insulation (23 07 19 00-0001)**

23 07 19 00-0124	SF	1/4" Thick (Two 1/8" Coats), Weatherproof Coating Over Glass Cloth Mesh (Insulokote ET)	5.23	
		<i>For Work In Restricted Working Space, Add</i>	1.00	

**23 08 Commissioning of HVAC (23)**

See CSI section 01 91 13 00-0001 for commissioning, 23 05 93 00-0000 for testing and balancing.

**23 09 Instrumentation and Control for HVAC (23)****23 09 23 Direct-Digital Control System for HVAC (23 09)****23 09 23 11 Control Valves (23 09 23)****23 09 23 11-0001 Valves With Actuator (23 09 23 11)**

23 09 23 11-0002	EA	1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G215+NV24-MFT US)	666.16	14.15
23 09 23 11-0003	EA	3/4" 2-Way Bronze Globe Valve With Actuator (Belimo G220+NV24-MFT US)	688.80	19.08
23 09 23 11-0004	EA	1" 2-Way Bronze Globe Valve With Actuator (Belimo B225+NV24-MFT US)	753.81	23.09
23 09 23 11-0005	EA	1-1/4" 2-Way Bronze Globe Valve With Actuator (Belimo B232+NV24-MFT US)	822.48	29.24
23 09 23 11-0006	EA	1-1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G240+NV24-MFT US)	936.87	33.75
23 09 23 11-0007	EA	2" 2-Way Bronze Globe Valve With Actuator (Belimo G250+NV24-MFT US)	1,058.78	39.88
23 09 23 11-0008	EA	2-1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G665+GMX24-MFTX1)	1,980.02	79.76
23 09 23 11-0009	EA	3" 2-Way Bronze Globe Valve With Actuator (Belimo G680+GMX24-MFTX1)	2,146.32	93.33
23 09 23 11-0010	EA	4" 2-Way Bronze Globe Valve With Actuator (Belimo G6100C+GMX24-MFTX1)	2,896.78	137.09
23 09 23 11-0011	EA	5" 2-Way Bronze Globe Valve With Actuator (Belimo G6125C+GMX24-MFTX1)	4,261.07	198.12
23 09 23 11-0012	EA	6" 2-Way Bronze Globe Valve With Actuator (Belimo G6150C+GMX24-MFTX1)	4,719.77	219.35
23 09 23 11-0013	EA	1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G315+NV24-MFT US)	716.51	21.23
23 09 23 11-0014	EA	3/4" 3-Way Bronze Globe Valve With Actuator (Belimo G320+NV24-MFT US)	738.40	28.61
23 09 23 11-0015	EA	1" 3-Way Bronze Globe Valve With Actuator (Belimo G325+NV24-MFT US)	799.86	34.63
23 09 23 11-0016	EA	1-1/4" 3-Way Bronze Globe Valve With Actuator (Belimo G332+NV24-MFT US)	886.56	43.87

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 09 23 11-0017	EA	1-1/2"	3-Way Bronze Globe Valve With Actuator (Belimo G340+NV24-MFT US)	1,138.89	50.62
23 09 23 11-0018	EA	2"	3-Way Bronze Globe Valve With Actuator (Belimo G350+NV24-MFT US)	1,263.29	59.82
23 09 23 11-0019	EA	2-1/2"	3-Way Bronze Globe Valve With Actuator (Belimo G765+GMX24-MFTX1)	2,230.98	119.65
23 09 23 11-0020	EA	3"	3-Way Bronze Globe Valve With Actuator (Belimo G780+GMX24-MFTX1)	2,452.05	140.01
23 09 23 11-0021	EA	4"	3-Way Bronze Globe Valve With Actuator (Belimo G7100+2*GMX24-MFTX1)	3,568.22	205.63
23 09 23 11-0022	EA	5"	3-Way Bronze Globe Valve With Actuator (Belimo G7125+2*GMX24-MFTX1)	5,175.61	297.17
23 09 23 11-0023	EA	6"	3-Way Bronze Globe Valve With Actuator (Belimo G7150+2*GMX24-MFTX1)	5,753.65	329.02
23 09 23 11-0024	EA	1/2"	Two Way Brass Zone Valve With Actuator (Belimo ZONE215N-35+ZONE24NC)	115.13	14.15
23 09 23 11-0025	EA	3/4"	Two Way Brass Zone Valve With Actuator (Belimo ZONE220N-50+ZONE24NC)	136.38	19.08
23 09 23 11-0026	EA	1"	Two Way Brass Zone Valve With Actuator (Belimo ZONE225N-80+ZONE24NC)	171.58	23.09
23 09 23 11-0027	EA	1/2"	Two Way Brass Zone Valve With Actuator (Belimo ZONE315N-35+ZONE24NC)	141.77	21.23
23 09 23 11-0028	EA	3/4"	Two Way Brass Zone Valve With Actuator (Belimo ZONE320N-50+ZONE24NC)	166.62	28.61
23 09 23 11-0029	EA	1"	Two Way Brass Zone Valve With Actuator (Belimo ZONE325N-80+ZONE24NC)	208.11	34.63
23 09 23 11-0030	EA	1/2"	2-Way Brass Ball Valve With Actuator (Belimo B215B+LRB24-3)	189.31	14.15
23 09 23 11-0031	EA	3/4"	2-Way Brass Ball Valve With Actuator (Belimo B220B+LRB24-3)	224.98	19.08
23 09 23 11-0032	EA	1"	2-Way Brass Ball Valve With Actuator (Belimo B225+LRB24-3)	256.25	23.09
23 09 23 11-0033	EA	1-1/4"	2-Way Brass Ball Valve With Actuator (Belimo B232+ARB24-3)	333.20	29.24
23 09 23 11-0034	EA	1-1/2"	2-Way Brass Ball Valve With Actuator (Belimo B240+ARB24-3)	345.51	33.75
23 09 23 11-0035	EA	2"	2-Way Brass Ball Valve With Actuator (Belimo B250+ARB24-3)	439.41	39.88
23 09 23 11-0036	EA	2-1/2"	2-Way Brass Ball Valve With Actuator (Belimo B265+ARB24-3)	942.51	79.76
23 09 23 11-0037	EA	3"	2-Way Brass Ball Valve With Actuator (Belimo B280+ARB24-3)	1,106.52	93.33
23 09 23 11-0038	EA	1/2"	3-Way Brass Ball Valve With Actuator (Belimo B315B+LRB24-3)	230.37	21.23
23 09 23 11-0039	EA	3/4"	3-Way Brass Ball Valve With Actuator (Belimo B320B+LRB24-3)	267.39	28.61
23 09 23 11-0040	EA	1"	3-Way Brass Ball Valve With Actuator (Belimo B325+LRB24-3)	344.54	34.63
23 09 23 11-0041	EA	1-1/4"	3-Way Brass Ball Valve With Actuator (Belimo B331+ARB24-3)	487.59	43.87
23 09 23 11-0042	EA	1-1/2"	3-Way Brass Ball Valve With Actuator (Belimo B341+ARB24-3)	515.07	50.62
23 09 23 11-0043	EA	2"	3-Way Brass Ball Valve With Actuator (Belimo B352+ARB24-3)	680.87	59.82
23 09 23 11-0044	EA	2"	2-Way Butterfly Valve With Actuator (Belimo F650HD+AMB24-3X1)	561.78	73.11
23 09 23 11-0045	EA	2-1/2"	2-Way Butterfly Valve With Actuator (Belimo F665HD+AMB24-3X1)	590.60	79.76
23 09 23 11-0046	EA	3"	2-Way Butterfly Valve With Actuator (Belimo F680HD+GMB24-3X1)	773.70	93.33
23 09 23 11-0047	EA	4"	2-Way Butterfly Valve With Actuator (Belimo F6100HD+2*GMB24-3X1)	1,184.71	156.68
23 09 23 11-0048	EA	5"	2-Way Butterfly Valve With Actuator (Belimo F6125HD+SY2-24)	2,357.33	198.12
23 09 23 11-0049	EA	6"	2-Way Butterfly Valve With Actuator (Belimo F6150HD+SY3-24)	2,489.48	219.35
23 09 23 11-0050	EA	8"	2-Way Butterfly Valve With Actuator (Belimo F6200HD+SY4-24)	3,375.16	250.68
23 09 23 11-0051	EA	10"	2-Way Butterfly Valve With Actuator (Belimo F6250HD+SY4-24)	4,140.92	307.08
23 09 23 11-0052	EA	12"	2-Way Butterfly Valve With Actuator (Belimo F6300HS+SY4-24)	5,115.89	372.22
23 09 23 11-0053	EA	14"	2-Way Butterfly Valve With Actuator (Belimo F6350HD+SY5-24)	5,690.77	438.68
23 09 23 11-0054	EA	16"	2-Way Butterfly Valve With Actuator (Belimo F6400HD+SY6-110)	7,503.23	482.55
23 09 23 11-0055	EA	18"	2-Way Butterfly Valve With Actuator (Belimo F6450HD+SY8-110)	9,082.38	536.07
23 09 23 11-0056	EA	2"	3-Way Butterfly Valve With Actuator (Belimo F750HD+AMB24-3X1)	1,032.16	109.67
23 09 23 11-0057	EA	2-1/2"	3-Way Butterfly Valve With Actuator (Belimo F765HD+GMB24-3X1)	1,213.67	119.65
23 09 23 11-0058	EA	3"	3-Way Butterfly Valve With Actuator (Belimo F780HD+2*GMB24-3X1)	1,496.54	140.01
23 09 23 11-0059	EA	4"	3-Way Butterfly Valve With Actuator (Belimo F7100HD+2*GMB24-3X1)	1,932.57	235.01
23 09 23 11-0060	EA	5"	3-Way Butterfly Valve With Actuator (Belimo F7125HD+SY3-24)	3,916.04	297.17
23 09 23 11-0061	EA	6"	3-Way Butterfly Valve With Actuator (Belimo F7150HD+SY3-24)	4,059.33	329.02
23 09 23 11-0062	EA	8"	3-Way Butterfly Valve With Actuator (Belimo F7200HD+SY4-24)	5,108.47	376.06
23 09 23 11-0063	EA	10"	3-Way Butterfly Valve With Actuator (Belimo F7250HD+SY4-24)	6,753.57	460.62
23 09 23 11-0064	EA	12"	3-Way Butterfly Valve With Actuator (Belimo F7300HD+SY5-24)	8,208.59	558.33
23 09 23 11-0065	EA	14"	3-Way Butterfly Valve With Actuator (Belimo F7350HD+SY6-110)	12,761.54	658.03
23 09 23 11-0066	EA	16"	3-Way Butterfly Valve With Actuator (Belimo F7400HD+SY7-110)	14,227.55	723.83
23 09 23 11-0067	EA	18"	3-Way Butterfly Valve With Actuator (Belimo F7450HD+SY8-110)	21,827.56	804.12

**23 09 23 11-0068 Valve Actuators (23 09 23 11)**

23 09 23 11-0069	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3-T)	412.46	90.61
23 09 23 11-0070	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 95 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3)	418.28	90.61
23 09 23 11-0071	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-SR-T)	511.01	90.61
23 09 23 11-0072	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxiliary Switch, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3-S)	466.59	90.61
23 09 23 11-0073	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-SR)	475.08	90.61
23 09 23 11-0074	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 150 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-MFT)	530.82	90.61
23 09 23 11-0075	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 2.5 Seconds Run Time, 35 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRQX24-1)	639.80	90.61
23 09 23 11-0076	EA	24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 150 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-MFT95)	652.94	90.61
23 09 23 11-0077	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 2.5 Seconds Run Time, 35 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRQX24-MFT)	684.62	90.61
23 09 23 11-0078	EA	120 Volt AC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX120-3)	497.59	90.61
23 09 23 11-0079	EA	120 Volt AC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX120-SR)	564.06	90.61
23 09 23 11-0080	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-T)	503.20	90.61
23 09 23 11-0081	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3)	511.71	90.61
23 09 23 11-0082	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARB24-3-5-14)	514.89	90.61
23 09 23 11-0083	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxiliary Switch, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-S)	572.75	90.61
23 09 23 11-0084	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T)	597.70	90.61

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 09 23 11-0085	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR).....	610.95	90.61
23 09 23 11-0086	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, Variable Run Time (90 To 350 Seconds), 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT).....	608.32	90.61
23 09 23 11-0087	EA	24 Volt AC/DC Power Supply, Phasecut Control Input, 95 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-PC).....	616.80	90.61
23 09 23 11-0088	EA	24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT95).....	616.27	90.61
23 09 23 11-0089	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, NEMA 4X, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T N4).....	671.32	90.61
23 09 23 11-0090	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, NEMA 4X, Variable Run Time (75 To 350 Seconds), 160 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT-T N4).....	810.55	90.61
23 09 23 11-0091	EA	100-240 Volt AC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-3).....	544.08	90.61
23 09 23 11-0092	EA	100-240 Volt AC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-SR).....	646.01	90.61
23 09 23 11-0093	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 15 Seconds Run Time, 801 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY2-24).....	1,445.38	90.61
23 09 23 11-0094	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 1,335 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY3-24).....	1,619.47	90.61
23 09 23 11-0095	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 16 Seconds Run Time, 3,560 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY4-24).....	1,941.66	90.61
23 09 23 11-0096	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 4,450 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY5-24).....	2,198.04	90.61
23 09 23 11-0097	EA	120 Volt AC Power Supply, On/Off Control Input, 28 Seconds Run Time, 5,785 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY6-110).....	2,599.85	90.61
23 09 23 11-0098	EA	120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 8,900 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY7-110).....	3,060.59	90.61
23 09 23 11-0099	EA	120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 13,350 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY8-110).....	4,120.06	90.61
23 09 23 11-0100	EA	120 Volt AC Power Supply, On/Off Control Input, 58 Seconds Run Time, 17,800 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY9-110).....	5,027.18	90.61

**23 09 23 12 Control Dampers (23 09 23)****23 09 23 12-0001 Rectangular Galvanized Volume Control Dampers (23 09 23 12)**

Note: Excludes actuators.

23 09 23 12-0002	EA	8" x 8" Low Leakage Volume Control Damper (Johnson Controls VOPSN-008X008).....	179.90	35.40
23 09 23 12-0003	EA	10" x 10" Low Leakage Volume Control Damper (Johnson Controls VOPSN-010X010).....	202.68	38.82
23 09 23 12-0004	EA	12" x 12" Low Leakage Volume Control Damper (Johnson Controls VOPSN-012X012).....	226.57	42.82
23 09 23 12-0005	EA	14" x 14" Low Leakage Volume Control Damper (Johnson Controls VOPSN-014X014).....	262.04	50.24
23 09 23 12-0006	EA	16" x 16" Low Leakage Volume Control Damper (Johnson Controls VOPSN-016X016).....	296.35	57.09
23 09 23 12-0007	EA	18" x 18" Low Leakage Volume Control Damper (Johnson Controls VOPSN-018X018).....	300.31	64.23
23 09 23 12-0008	EA	20" x 20" Low Leakage Volume Control Damper (Johnson Controls VOPSN-020X020).....	367.89	71.36
23 09 23 12-0009	EA	24" x 24" Low Leakage Volume Control Damper (Johnson Controls VOPSN-024X024).....	439.39	85.63
23 09 23 12-0010	EA	32" x 32" Low Leakage Volume Control Damper (Johnson Controls VOPSN-032X032).....	563.33	99.90
23 09 23 12-0011	EA	48" x 48" Low Leakage Volume Control Damper (Johnson Controls VOPSN-048X048).....	833.33	114.17
23 09 23 12-0012	EA	60" x 60" Low Leakage Volume Control Damper (Johnson Controls VOPSN-060X060).....	1,521.02	128.44
23 09 23 12-0013	EA	72" x 72" Low Leakage Volume Control Damper (Johnson Controls VOPSN-072X072).....	1,930.26	142.72

**23 09 23 12-0014 Round Galvanized Control Dampers (23 09 23 12)**

Note: Excludes actuators.

23 09 23 12-0015	EA	6" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG06).....	175.31	39.96
23 09 23 12-0016	EA	8" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG08).....	181.10	42.82
23 09 23 12-0017	EA	10" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG10).....	188.75	42.82
23 09 23 12-0018	EA	12" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG12).....	209.62	48.53
23 09 23 12-0019	EA	14" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG14).....	237.97	48.53
23 09 23 12-0020	EA	16" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG16).....	258.54	57.09
23 09 23 12-0021	EA	18" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG18).....	347.22	60.09
23 09 23 12-0022	EA	20" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG20).....	362.96	62.28
23 09 23 12-0023	EA	22" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG22).....	385.28	67.15
23 09 23 12-0024	EA	24" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG24).....	408.04	72.00

**23 09 23 12-0025 Remote Damper Control (23 09 23 12)**

23 09 23 12-0026	EA	Remote Cable Control Concealed Ceiling Regulator For Damper (Young Regulator Co. 270-275B).....	257.58	
		<i>For Each 10' Flexible Casing And Wire, Add</i>	33.46	
23 09 23 12-0027	EA	Remote Cable Control Concealed Ceiling Regulator For Damper (Young Regulator Co. 270-301B).....	264.43	
		<i>For Each 10' Flexible Casing And Wire, Add</i>	33.46	

**23 09 23 13 Energy Meters (23 09 23)****23 09 23 13-0001 Surge Protectors (23 09 23 13)**

23 09 23 13-0002	EA	Surge Protector, T100's, Summit, BCU, UPCM, PCM, TCM (Transtector TR2255).....	288.53	8.69
23 09 23 13-0003	EA	Surge Protector, 1AC Outlet (Transtector TR2251).....	218.13	8.69
23 09 23 13-0004	EA	Surge Protector, 2 AC Outlets (Transtector TR2254).....	339.27	8.69
23 09 23 13-0005	EA	Surge Protector, DB-15 Connection (Transtector TR2259-DLP15).....	183.75	8.69
23 09 23 13-0006	EA	Surge Protector, DB-25 Connection (Transtector TR2259-DLP25).....	183.75	8.69
23 09 23 13-0007	EA	Surge Protector, DB-9 Connection (Transtector TR2259-DLP9).....	183.75	8.69
23 09 23 13-0008	EA	Surge Protector, Individual Wire Connection (Transtector TR2258).....	265.62	8.69
23 09 23 13-0009	EA	Surge Protector, Trane Communication Links (Transtector TR2257).....	164.11	8.69

**23 09 23 14 Flow Instruments (23 09 23)**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>23 09 23 14-0001 Water Flow Meters</b> <small>(23 09 23 14)</small>		
23 09 23 14-0002 EA	Insertion Electromagnetic Water Flow Meter (Onicon F-3500) ..... Note: Excludes pipe fittings.	4,318.18 96.92
<b>23 09 23 14-0003 Air Flow Monitoring Stations</b> <small>(23 09 23 14)</small>		
23 09 23 14-0004 EA	Analog Transmitter, 2 Point, 3 Sensor Air Flow Monitoring Station (Ebtron GTA116) ..... Note: 10' cable, 36" x 24" typical duct size.	3,402.97 109.61
23 09 23 14-0005 EA	Analog Transmitter, 3 Point, 4 Sensor Air Flow Monitoring Station (Ebtron GTA116) ..... Note: 10' cable, 48" x 36" typical duct size.	4,873.89 109.61
23 09 23 14-0006 EA	Analog Transmitter, 4 Point, 4 Sensor Air Flow Monitoring Station (Ebtron GTA116) ..... Note: 10' cable, 60" x 48" typical duct size.	6,059.03 109.61
<b>23 09 23 16 Gas Instruments</b> <small>(23 09 23)</small>		
<b>23 09 23 16-0001 Gas Sensors</b> <small>(23 09 23 16)</small>		
23 09 23 16-0002 EA	6-1/4" x 6-1/8" CO2 Sensor, 0-2,000 ppm (Kele WCO-1B).....	1,790.75 52.11
23 09 23 16-0003 EA	Wall Mounted CO2 Sensor, 0-2,000 ppm With LCD Display (Kele CD-AW-LCD) .....	793.03 34.74
23 09 23 16-0004 EA	CO Monitor/Transmitter, 0 To 250 ppm (Kele GMT-CO-S2)..... Note: Solid state sensor.	1,424.69 52.11
23 09 23 16-0005 EA	CO2 Transmitter, Duct Mount, No Display, 0-10 Volt DC Out, 24 Volt AC/Volt DC, 0-10 Or 4-20mA, 0-2,000 ppm Range With CD-AD Duct Probe Assembly (CDE CD-AD-LCD; CD-AD) .....	778.36 62.54
<b>23 09 23 19 Moisture Instruments</b> <small>(23 09 23)</small>		
<b>23 09 23 19-0001 Relative Humidity Sensors</b> <small>(23 09 23 19)</small>		
23 09 23 19-0002 EA	3% Duct Mounted RH Sensor (Kele HD30K).....	488.31 62.54
23 09 23 19-0003 EA	10K Ohm Thermistor 3% Duct Mounted RH Sensor (Kele HD30K-T3) .....	501.39 62.54
23 09 23 19-0004 EA	3% RH Outdoor Air Sensor (Kele HO30K).....	569.95 86.85
23 09 23 19-0005 EA	2% Surface Mounted RH Transmitter (Kele HW20K) .....	438.81 34.74
<b>23 09 23 21 Motion Instruments</b> <small>(23 09 23)</small>		
<b>23 09 23 21-0001 Peco Motion Sensors</b> <small>(23 09 23 21)</small>		
23 09 23 21-0002 EA	Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SA200-001).....	161.31 24.42
23 09 23 21-0003 EA	Wall/Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SB200-001).....	158.19 24.42
23 09 23 21-0004 EA	Wall/Ceiling Passive Infrared, 24 Volt, Master Motion Sensor (Peco SD200-001) .....	210.56 24.42
23 09 23 21-0005 EA	Wall/Ceiling Mount, Passive Infrared, 24 Volt, Master Time Sensor (Peco SD200-002) .....	187.45 24.42
23 09 23 21-0006 EA	Door Switch Occupancy Sensor (Peco SE200-001).....	60.46 24.42
23 09 23 21-0007 EA	Window Switch Occupancy Sensor (Peco SE200-002).....	56.16 24.42
23 09 23 21-0008 EA	Power Pack And Controller (Peco SF200-001).....	100.44 24.42
<b>23 09 23 23 Pressure Instruments</b> <small>(23 09 23)</small>		
<b>23 09 23 23-0001 Pressure Sensors</b> <small>(23 09 23 23)</small>		
23 09 23 23-0002 EA	0 To 0.5" W.C., Differential Pressure Transmitters With NEMA 1 Case (Kele T30-005).....	649.82 73.35
23 09 23 23-0003 EA	0 To 5" W.C., Differential Pressure Transmitters With NEMA 1 Case (Kele T30-050).....	579.54 73.35
23 09 23 23-0004 EA	0.05 To 12" W.C., Adjustable Differential Pressure Switches (Kele AFS-222) .....	239.43 73.35
23 09 23 23-0005 EA	0.05 To 2" W.C., Adjustable Differential Pressure Switches (Kele AFS-262) .....	247.60 73.35
23 09 23 23-0006 EA	0.4 To 2" W.C., Manual Reset Adjustable Differential Pressure Switches (Kele AFS-460) .....	263.58 73.35
23 09 23 23-0007 EA	0.05 To 12" W.C., 1/8" NPT, Adjustable Differential Pressure Switches (Kele AFS-145).....	245.23 73.35
23 09 23 23-0008 EA	0 To 100 psid, Bypass Valve Assembly Option, Water Differential Pressure Transmitter (Kele 360C-P210D-BVA) .....	2,360.52 73.35
23 09 23 23-0009 EA	0 To 60 psid, Bypass Valve Assembly Option, Water Differential Pressure Transmitter (Kele 360C-P160D-BVA) .....	2,360.52 73.35
23 09 23 23-0010 EA	Magnahelic Gauge.....	634.62 44.84
<b>23 09 23 23-0011 Room Pressure Monitoring</b> <small>(23 09 23 23)</small>		
23 09 23 23-0012 EA	Hospital Room Pressure Monitor With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8640-PM) .....	2,809.76 57.09
23 09 23 23-0013 EA	Hospital Room Pressure Controller With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8630-PC)..... Note: Excludes dampers and actuators.	4,518.58 57.09
23 09 23 23-0014 EA	Hospital Room Pressure Status Remote Visual Display (TSI 8694-4).....	359.37 34.25
23 09 23 23-0015 EA	Hospital Room Pressure Status Remote Negative/Neutral Key Switch (TSI 8694-7) .....	413.91 34.25
<b>23 09 23 27 Temperature Instruments</b> <small>(23 09 23)</small>		
<b>23 09 23 27-0001 Air Temperature Sensors</b> <small>(23 09 23 27)</small>		
23 09 23 27-0002 EA	10K Ohm Thermistor Duct Temperature Sensor (Kele ST-D24).....	186.89 62.54
23 09 23 27-0003 EA	10K Ohm Thermistor Duct Temperature Sensor, 1/2" LB Conduit Fitting (Kele ST-D24-XCO) .....	257.18 62.54
23 09 23 27-0004 EA	10K Ohm Thermistor Duct Temperature Sensor With Greenfield Fitting (Kele ST-D24-XG) .....	194.98 62.54
23 09 23 27-0005 EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing (Kele ST-D24-XH) .....	203.27 62.54
23 09 23 27-0006 EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 18" Probe (Kele ST-D24-XH-XL18).....	206.02 62.54
23 09 23 27-0007 EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 6" Probe (Kele ST-D24-XH-XL6).....	203.30 62.54
23 09 23 27-0008 EA	10K Ohm Thermistor Duct Temperature Sensor With Non Metallic Handibox Housing (Kele ST-D24-XHP) .....	204.76 62.54
23 09 23 27-0009 EA	10K Ohm Thermistor Duct Temperature Sensor With 4" Probe (Kele ST-D24-XL4) .....	218.73 62.54
23 09 23 27-0010 EA	10K Ohm Thermistor Duct Temperature Sensor With Weatherproof Housing (Kele ST-D24-XW).....	230.93 62.54
23 09 23 27-0011 EA	10K Ohm Thermistor Outdoor Air Temperature Sensor (Kele ST-O24) .....	281.72 86.85
23 09 23 27-0012 EA	10K Ohm Thermistor Outdoor Air Temperature Sensor With 25' Lead (Kele ST-O24-XC25).....	291.11 86.85

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 09 Instrumentation and Control for HVAC**

**23 09 23 Direct-Digital Control System for HVAC**



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 09 23 27-0013	EA	Delta Style Surface Mounted 10K Ohm Thermistor Room Temperature Sensor (Kele BA/10K3-R-N-DF).....	126.56		34.74
23 09 23 27-0014	EA	Delta Style Surface Mounted AD592 Room Temperature Sensor (Kele BA/592-10K-R).....	130.01		34.74
23 09 23 27-0015	EA	Stainless Steel Plate 1K Ohm Room Temperature Sensor (Kele BA/1K8-SP).....	120.92		34.74
<b>23 09 23 27-0016</b>		<b>Water Temperature Sensors (23 09 23 27)</b>			
23 09 23 27-0017	EA	5" Immersion 20K Ohm Water Temp Sensor (Honeywell C7041D2001).....	149.57		67.21
23 09 23 27-0018	EA	Strap-On 20K Ohm Water Temp Sensor (Honeywell C7041K2005).....	343.28		67.21
<b>23 09 23 27-0019</b>		<b>Peco Thermostats (23 09 23 27)</b>			
23 09 23 27-0020	EA	3 Heating Stage, 2 Cooling Stage Programmable Thermostat With Humidification/Dehumidification Control (Peco T12532-IAQ).....	338.44		16.29
23 09 23 27-0021	EA	3 Heating Stage, 2 Cooling Stage Programmable Thermostat (Peco T12532-001).....	302.62		16.29
<b>23 09 23 53</b>		<b>Proprietary Control Systems (23 09 23)</b>			
<b>23 09 23 53-0001</b>		<b>Johnson Controls (23 09 23 53)</b>			
<b>23 09 23 53-0002</b>		<b>Johnson Controls, Labor (23 09 23 53-0001)</b>			
23 09 23 53-0003	HR	Johnson Controls - Programmers/Technician.....	140.00		
<b>23 09 23 53-0004</b>		<b>Johnson Controls, Materials (23 09 23 53-0001)</b>			
23 09 23 53-0005	EA	APPL&DATA SERV 5 USER NEW (Johnson Controls MS-ADS05U-0)..... Note: Material Only, Excludes Installation.	16,310.40		
23 09 23 53-0006	EA	CD-R MET APPL&DATA SVR 5 (Johnson Controls MS-ADS05U-6)..... Note: Material Only, Excludes Installation.	7,828.32		
23 09 23 53-0007	EA	ADS05 SRVR SUBS SRVC 3YR (Johnson Controls MS-ADS05U-SC3)..... Note: Material Only, Excludes Installation.	11,089.15		
23 09 23 53-0008	EA	ADS05 SVR SUB SRVC 1 YR (Johnson Controls MS-ADS05U-SCS)..... Note: Material Only, Excludes Installation.	4,079.44		
23 09 23 53-0009	EA	APP&DAT LITE-A SVR,5U,NEW (Johnson Controls MS-ADSLA5U-0)..... Note: Material Only, Excludes Installation.	1,665.74		
23 09 23 53-0010	EA	APP&DAT LITE-E SVR,5U,NEW (Johnson Controls MS-ADSLE5U-0)..... Note: Material Only, Excludes Installation.	4,052.45		
23 09 23 53-0011	EA	ADS05 SVR SUB SRVC 1 YR (Johnson Controls MS-ADSONLY-SCS)..... Note: Material Only, Excludes Installation.	2,283.64		
23 09 23 53-0012	EA	ADVANCED GRAPHIC NEW CD-R (Johnson Controls MS-ADVGRF-0)..... Note: Material Only, Excludes Installation.	2,107.52		
23 09 23 53-0013	EA	ADVANCED GRAPHICS UPGRADE (Johnson Controls MS-ADVGRF-6)..... Note: Material Only, Excludes Installation.	590.01		
23 09 23 53-0014	EA	ADX10 W/RAP&SQL2008 NEW (Johnson Controls MS-ADX10SQL-0)..... Note: Material Only, Excludes Installation.	36,322.78		
23 09 23 53-0015	EA	ADX10 W/SQL2008 UPGRADE (Johnson Controls MS-ADX10SQL-6)..... Note: Material Only, Excludes Installation.	28,343.28		
23 09 23 53-0016	EA	ADX10 W/SQL2008 MIGRATION (Johnson Controls MS-ADX10SQL-8)..... Note: Material Only, Excludes Installation.	25,420.01		
23 09 23 53-0017	EA	EXT APP&DATA SRV 10U NEW (Johnson Controls MS-ADX10U-0)..... Note: Material Only, Excludes Installation.	19,349.49		
23 09 23 53-0018	EA	EXT APP& DATA SRV 10U UP (Johnson Controls MS-ADX10U-6)..... Note: Material Only, Excludes Installation.	9,291.42		
23 09 23 53-0019	EA	EXT APP&DATA SRV 10U MIG (Johnson Controls MS-ADX10U-8)..... Note: Material Only, Excludes Installation.	6,578.41		
23 09 23 53-0020	EA	ADX10 SRVR SUBS SRVC 3YR (Johnson Controls MS-ADX10U-SC3)..... Note: Material Only, Excludes Installation.	13,157.66		
23 09 23 53-0021	EA	ADX10 SVR SUB SRVC 1 YR (Johnson Controls MS-ADX10U-SCS)..... Note: Material Only, Excludes Installation.	4,837.39		
23 09 23 53-0022	EA	ADX25 SVR SUB SRVC 1 YR (Johnson Controls MS-ADX25ONL-SCS)..... Note: Material Only, Excludes Installation.	5,476.16		
23 09 23 53-0023	EA	ADX10 SVR SUB SRVC 1 YR (Johnson Controls MS-ADXONLY-SCS)..... Note: Material Only, Excludes Installation.	2,708.93		
23 09 23 53-0024	EA	EXT APP&DATA SRV 25U NEW (Johnson Controls MS-ADXSWO-0)..... Note: Material Only, Excludes Installation.	39,115.50		
23 09 23 53-0025	EA	EXT APP&DATA SRV 25U UP (Johnson Controls MS-ADXSWO-6)..... Note: Material Only, Excludes Installation.	18,775.43		
23 09 23 53-0026	EA	EXT APP&DATA SRV 25U MIG (Johnson Controls MS-ADXSWO-8)..... Note: Material Only, Excludes Installation.	26,605.52		
23 09 23 53-0027	EA	ADX25 SVR SUB SRVC 1 YR (Johnson Controls MS-ADXSWO-SCS)..... Note: Material Only, Excludes Installation.	9,778.88		
23 09 23 53-0028	EA	ADXSWO W/RAP&SQL2008 NEW (Johnson Controls MS-ADXSWOSQL-0)..... Note: Material Only, Excludes Installation.	56,088.79		
23 09 23 53-0029	EA	ADXSWO W/SQL2008 UPGRADE (Johnson Controls MS-ADXSWOSQL-6)..... Note: Material Only, Excludes Installation.	30,860.78		
23 09 23 53-0030	EA	ADXSWO W/SQL08 MIGRATION (Johnson Controls MS-ADXSWOSQL-8)..... Note: Material Only, Excludes Installation.	47,092.56		
23 09 23 53-0031	EA	PUSH BAR,DOOR,REX SW,36" (Johnson Controls MSB550-2V)..... Note: Material Only, Excludes Installation.	350.11		
23 09 23 53-0032	EA	TERMINAL MODULE (Johnson Controls MS-BACEOL-0)..... Note: Material Only, Excludes Installation.	71.09		
23 09 23 53-0033	EA	BATTERY 12V FOR NAE/NIE (Johnson Controls MS-BAT1010-0)..... Note: Material Only, Excludes Installation.	117.88		
23 09 23 53-0034	EA	BATTERY PACK (Johnson Controls MS-BAT1020-0)..... Note: Material Only, Excludes Installation.	52.68		
23 09 23 53-0035	EA	BLUETOOTH MSTP INTERFACE (Johnson Controls MS-BTCVT-1)..... Note: Material Only, Excludes Installation.	638.34		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0036 EA BLUETOOTH MSTP (Johnson Controls MS-BTCVT-1G) ..... 685.38 Note: Material Only, Excludes Installation.	685.38	
23 09 23 53-0037 EA MS-NIE5910-0 METASYS NIE (Johnson Controls MS-CIGCUST-0025) ..... 18,329.78 Note: Material Only, Excludes Installation.	18,329.78	
23 09 23 53-0038 EA CUSTOM CIG - SIEMENS (Johnson Controls MS-CIGCUST-0027) ..... 18,943.79 Note: Material Only, Excludes Installation.	18,943.79	
23 09 23 53-0039 EA INTERFACE BUFFER KIT (Johnson Controls MS-CIGCUSTKIT-0) ..... 1,110.84 Note: Material Only, Excludes Installation.	1,110.84	
23 09 23 53-0040 EA COPY ADS05 USER (Johnson Controls MS-COPY-ADS05U) ..... 101.80 Note: Material Only, Excludes Installation.	101.80	
23 09 23 53-0041 EA COPY ADX10 USER (Johnson Controls MS-COPY-ADX10U) ..... 101.80 Note: Material Only, Excludes Installation.	101.80	
23 09 23 53-0042 EA COPY ADXSWO 25 USER (Johnson Controls MS-COPY-ADXSWO) ..... 101.80 Note: Material Only, Excludes Installation.	101.80	
23 09 23 53-0043 EA COPY EXPORT UTILITY (Johnson Controls MS-COPY-EXPORT) ..... 101.80 Note: Material Only, Excludes Installation.	101.80	
23 09 23 53-0044 EA COPY SCT (Johnson Controls MS-COPY-SCT) ..... 101.80 Note: Material Only, Excludes Installation.	101.80	
23 09 23 53-0045 EA RMT DISPLAY FOR NCE, FEC (Johnson Controls MS-DIS1710-0) ..... 278.65 Note: Material Only, Excludes Installation.	278.65	
23 09 23 53-0046 EA RMT DISPLAY FOR NCE, FEC (Johnson Controls MS-DIS1710-0G) ..... 276.81 Note: Material Only, Excludes Installation.	276.81	
23 09 23 53-0047 EA ENERGY ESSENTIALS (Johnson Controls MS-EREPORT-0) ..... 1,450.72 Note: Material Only, Excludes Installation.	1,450.72	
23 09 23 53-0048 EA ENERGY ESSENTIAL UPGRADE (Johnson Controls MS-EREPORT-6) ..... 101.80 Note: Material Only, Excludes Installation.	101.80	
23 09 23 53-0049 EA METASYS SYSTEM (Johnson Controls MS-EXPORT-0) ..... 1,688.71 Note: Material Only, Excludes Installation.	1,688.71	
23 09 23 53-0050 EA EXPORT UT UPGRADE S/W (Johnson Controls MS-EXPORT-6) ..... 489.77 Note: Material Only, Excludes Installation.	489.77	
23 09 23 53-0051 EA FEC1611-0, FEC9, W/O (Johnson Controls MS-FEC1611-0) ..... 421.77 Note: Material Only, Excludes Installation.	421.77	
23 09 23 53-0052 EA MS-FEC1611-0G (Johnson Controls MS-FEC1611-0G) ..... 444.15 Note: Material Only, Excludes Installation.	444.15	
23 09 23 53-0053 EA FEC1621-0 FINAL ASSEMBLY (Johnson Controls MS-FEC1621-0) ..... 686.44 Note: Material Only, Excludes Installation.	686.44	
23 09 23 53-0054 EA FEC2611-0,FEC17 (Johnson Controls MS-FEC2611-0) ..... 607.38 Note: Material Only, Excludes Installation.	607.38	
23 09 23 53-0055 EA MS-FEC2611-0G (Johnson Controls MS-FEC2611-0G) ..... 639.56 Note: Material Only, Excludes Installation.	639.56	
23 09 23 53-0056 EA FEC2621-1,FEC 17 (Johnson Controls MS-FEC2621-0) ..... 872.03 Note: Material Only, Excludes Installation.	872.03	
23 09 23 53-0057 EA MS-FEC2621-0G (Johnson Controls MS-FEC2621-0G) ..... 918.25 Note: Material Only, Excludes Installation.	918.25	
23 09 23 53-0058 EA CTRL 10 PT,W/ BASE,UL (Johnson Controls MS-FEU1610-0U) ..... 442.67 Note: Material Only, Excludes Installation.	442.67	
23 09 23 53-0059 EA CTRL 10 PT,W/ BASE,DIS,UL (Johnson Controls MS-FEU1620-0U) ..... 720.41 Note: Material Only, Excludes Installation.	720.41	
23 09 23 53-0060 EA CTRL 17 PT,W/ BASE,UL (Johnson Controls MS-FEU2610-0U) ..... 637.40 Note: Material Only, Excludes Installation.	637.40	
23 09 23 53-0061 EA 1 PKG OF 10 FUSES (Johnson Controls MS-FUSE01-0) ..... 37.94 Note: Material Only, Excludes Installation.	37.94	
23 09 23 53-0062 EA MS GGT-0 GRAPHICS (Johnson Controls MS-GGT-0) ..... 2,129.45 Note: Material Only, Excludes Installation.	2,129.45	
23 09 23 53-0063 EA MS-IOM1711-0 FINAL (Johnson Controls MS-IOM1711-0) ..... 272.63 Note: Material Only, Excludes Installation.	272.63	
23 09 23 53-0064 EA MS-IOM1711-0G (Johnson Controls MS-IOM1711-0G) ..... 287.07 Note: Material Only, Excludes Installation.	287.07	
23 09 23 53-0065 EA IO MOD 6PT,UL (Johnson Controls MS-IOM2710-0U) ..... 374.31 Note: Material Only, Excludes Installation.	374.31	
23 09 23 53-0066 EA MS-IOM2711-0 FINAL (Johnson Controls MS-IOM2711-0) ..... 340.77 Note: Material Only, Excludes Installation.	340.77	
23 09 23 53-0067 EA MS-IOM2711-0G (Johnson Controls MS-IOM2711-0G) ..... 365.48 Note: Material Only, Excludes Installation.	365.48	
23 09 23 53-0068 EA MS-IOM3711-0,FINAL (Johnson Controls MS-IOM3711-0) ..... 443.01 Note: Material Only, Excludes Installation.	443.01	
23 09 23 53-0069 EA MS-IOM3711-0G (Johnson Controls MS-IOM3711-0G) ..... 466.49 Note: Material Only, Excludes Installation.	466.49	
23 09 23 53-0070 EA IOM4711,IOM 17 POINT,UL (Johnson Controls MS-IOM4711-0) ..... 474.54 Note: Material Only, Excludes Installation.	474.54	
23 09 23 53-0071 EA MS-IOM4711-0G (Johnson Controls MS-IOM4711-0G) ..... 480.83 Note: Material Only, Excludes Installation.	480.83	
23 09 23 53-0072 EA MS-LCS8520-0 SERVER (Johnson Controls MS-LCS8520-0) ..... 23,793.50 Note: Material Only, Excludes Installation.	23,793.50	
23 09 23 53-0073 EA LCS8520 SOFTWARE UPGRADE (Johnson Controls MS-LCS85SW-6) ..... 5,358.13 Note: Material Only, Excludes Installation.	5,358.13	
23 09 23 53-0074 EA LOCAL DISPL.TERMINAL KIT (Johnson Controls MS-LDT1102-0) ..... 701.88 Note: Material Only, Excludes Installation.	701.88	
23 09 23 53-0075 EA METASYS INTEGRATOR (Johnson Controls MS-MIG3520-0) ..... 6,567.62 Note: Material Only, Excludes Installation.	6,567.62	
23 09 23 53-0076 EA META INTEGR.R9 PERFORM. (Johnson Controls MS-MIGPST-0) ..... 388.94 Note: Material Only, Excludes Installation.	388.94	
23 09 23 53-0077 EA METASYS INTEGR.SW-FACT. (Johnson Controls MS-MIGSWO-0) ..... 696.38 Note: Material Only, Excludes Installation.	696.38	
23 09 23 53-0078 EA SOFTWARE, METASYS INTEGRA (Johnson Controls MS-MIGSWO-1) ..... 696.38 Note: Material Only, Excludes Installation.	696.38	
23 09 23 53-0079 EA ENGINE IMAG SUBSC SVC 3YR (Johnson Controls MS-MULTENG-SC3) ..... 2,198.56 Note: Material Only, Excludes Installation.	2,198.56	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 09 Instrumentation and Control for HVAC**

**23 09 23 Direct-Digital Control System for HVAC**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 09 23 53-0080	EA	ENGINE IMAGE (Johnson Controls MS-MULTENG-SCS) ..... Note: Material Only, Excludes Installation.	833.47		
23 09 23 53-0081	EA	ENGINE IMAGE (Johnson Controls MS-MULTENGSW-6) ..... Note: Material Only, Excludes Installation.	1,515.54		
23 09 23 53-0082	EA	MVE 10 TO 25 USER (Johnson Controls MS-MVE1025U-8) ..... Note: Material Only, Excludes Installation.	14,915.67		
23 09 23 53-0083	EA	MVE 10 USER SW, NEW ORDER (Johnson Controls MS-MVE10U-0) ..... Note: Material Only, Excludes Installation.	33,768.80		
23 09 23 53-0084	EA	MVE,UPGRADE,10 (Johnson Controls MS-MVE10U-6) ..... Note: Material Only, Excludes Installation.	9,917.58		
23 09 23 53-0085	EA	MVE 10 USER SW-SUBSCRIPT (Johnson Controls MS-MVE10U-SCS) ..... Note: Material Only, Excludes Installation.	6,753.96		
23 09 23 53-0086	EA	MVE 25 USER SW, NEW ORDER (Johnson Controls MS-MVE25U-0) ..... Note: Material Only, Excludes Installation.	47,970.76		
23 09 23 53-0087	EA	MVE,UPGRADE,25 (Johnson Controls MS-MVE25U-6) ..... Note: Material Only, Excludes Installation.	13,013.57		
23 09 23 53-0088	EA	MS-MVE25U-SC3,MVE 25 (Johnson Controls MS-MVE25U-SC3) ..... Note: Material Only, Excludes Installation.	28,569.24		
23 09 23 53-0089	EA	MVE 25 USER SW-SUBSCRIPT (Johnson Controls MS-MVE25U-SCS) ..... Note: Material Only, Excludes Installation.	10,130.93		
23 09 23 53-0090	EA	MVE 5 TO 10 USER (Johnson Controls MS-MVE510U-8) ..... Note: Material Only, Excludes Installation.	27,015.83		
23 09 23 53-0091	EA	MVE 5 TO 25 USER (Johnson Controls MS-MVE525U-8) ..... Note: Material Only, Excludes Installation.	41,712.84		
23 09 23 53-0092	EA	MVE 5 USER SW, NEW ORDER (Johnson Controls MS-MVE5U-0) ..... Note: Material Only, Excludes Installation.	6,351.02		
23 09 23 53-0093	EA	MVE,UPGRADE,5 USERS (Johnson Controls MS-MVE5U-6) ..... Note: Material Only, Excludes Installation.	1,865.23		
23 09 23 53-0094	EA	MVE 5 USER SW-SUBSCRIPT (Johnson Controls MS-MVE5U-SCS) ..... Note: Material Only, Excludes Installation.	2,363.89		
23 09 23 53-0095	EA	NAE 1 RS485 50 DEV (Johnson Controls MS-NAE3510-2) ..... Note: Material Only, Excludes Installation.	3,939.92		
23 09 23 53-0096	EA	NAE 50 DEV,N2/MSTP, UL (Johnson Controls MS-NAE3510-2U) ..... Note: Material Only, Excludes Installation.	4,114.60		
23 09 23 53-0097	EA	NAE 1 RS485 50 DEV MODEM (Johnson Controls MS-NAE3511-2) ..... Note: Material Only, Excludes Installation.	4,156.44		
23 09 23 53-0098	EA	NAE 1 RS485 50 DEV BA UI (Johnson Controls MS-NAE3514-2) ..... Note: Material Only, Excludes Installation.	2,788.62		
23 09 23 53-0099	EA	NAE 1 RS485 50 DEV BA UI (Johnson Controls MS-NAE3514-2G) ..... Note: Material Only, Excludes Installation.	2,844.40		
23 09 23 53-0100	EA	NAE 1 RS485 50 DEV MDM BA (Johnson Controls MS-NAE3515-2) ..... Note: Material Only, Excludes Installation.	3,003.16		
23 09 23 53-0101	EA	NAE 1 LON (Johnson Controls MS-NAE3520-2) ..... Note: Material Only, Excludes Installation.	3,939.82		
23 09 23 53-0102	EA	MS-NAE3520-2G (Johnson Controls MS-NAE3520-2G) ..... Note: Material Only, Excludes Installation.	4,136.83		
23 09 23 53-0103	EA	NAE 1 LON MODEM (Johnson Controls MS-NAE3521-2) ..... Note: Material Only, Excludes Installation.	4,271.61		
23 09 23 53-0104	EA	NAE 1 LON BA UI (Johnson Controls MS-NAE3524-2) ..... Note: Material Only, Excludes Installation.	2,695.67		
23 09 23 53-0105	EA	NAE 1 LON MDM BA UI (Johnson Controls MS-NAE3525-2) ..... Note: Material Only, Excludes Installation.	2,905.20		
23 09 23 53-0106	EA	NAE 1 RS485 100 DEV 1=10 (Johnson Controls MS-NAE4510-2) ..... Note: Material Only, Excludes Installation.	7,638.10		
23 09 23 53-0107	EA	NAE 100 DEV,N2/MSTP, UL (Johnson Controls MS-NAE4510-2U) ..... Note: Material Only, Excludes Installation.	7,976.74		
23 09 23 53-0108	EA	NAE 1 RS485 100 DEV MODEM (Johnson Controls MS-NAE4511-2) ..... Note: Material Only, Excludes Installation.	7,967.80		
23 09 23 53-0109	EA	NAE 1 LON (Johnson Controls MS-NAE4520-2) ..... Note: Material Only, Excludes Installation.	6,801.39		
23 09 23 53-0110	EA	MS-NAE4521-2 (Johnson Controls MS-NAE4521-2) ..... Note: Material Only, Excludes Installation.	7,133.18		
23 09 23 53-0111	EA	NAE 2-N2/MSTP, UL (Johnson Controls MS-NAE5510-1U) ..... Note: Material Only, Excludes Installation.	12,063.98		
23 09 23 53-0112	EA	NAE55, 2 RS485 (Johnson Controls MS-NAE5510-2) ..... Note: Material Only, Excludes Installation.	11,551.82		
23 09 23 53-0113	EA	NAE55, 2 RS485, BA (Johnson Controls MS-NAE5510-2G) ..... Note: Material Only, Excludes Installation.	11,551.82		
23 09 23 53-0114	EA	FIPS 140-2 Hardened NAE5510 w/ Enclosure (Johnson Controls MS-NAE5510-EER) ..... Note: Material Only, Excludes Installation.	23,087.99		
23 09 23 53-0115	EA	NAE55, 2 RS485, MODEM (Johnson Controls MS-NAE5511-2) ..... Note: Material Only, Excludes Installation.	12,013.52		
23 09 23 53-0116	EA	NAE55, 2 RS485, LON (Johnson Controls MS-NAE5520-2) ..... Note: Material Only, Excludes Installation.	12,851.83		
23 09 23 53-0117	EA	NAE55, 2 RS485, LON, MDM (Johnson Controls MS-NAE5521-2) ..... Note: Material Only, Excludes Installation.	13,304.96		
23 09 23 53-0118	EA	NCM4500 NT CBL KIT (Johnson Controls MS-NC45NTE-0) ..... Note: Material Only, Excludes Installation.	191.82		
23 09 23 53-0119	EA	NCM4500 NT CBL KIT,NORTH (Johnson Controls MS-NC45NTK-0) ..... Note: Material Only, Excludes Installation.	147.39		
23 09 23 53-0120	EA	NCE, 33 POINTS, N2 (Johnson Controls MS-NCE2510-0) ..... Note: Material Only, Excludes Installation.	2,423.70		
23 09 23 53-0121	EA	NCE, 33 POINTS, N2 (Johnson Controls MS-NCE2510-0G) ..... Note: Material Only, Excludes Installation.	2,472.16		
23 09 23 53-0122	EA	NCE, 33 POINTS, N2, MDM (Johnson Controls MS-NCE2511-0) ..... Note: Material Only, Excludes Installation.	2,507.29		
23 09 23 53-0123	EA	NCE, 33 PNTS, N2, DISPLY (Johnson Controls MS-NCE2516-0) ..... Note: Material Only, Excludes Installation.	2,691.14		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0124	EA		NCE, 33 PTS, N2, MDM, DIS (Johnson Controls MS-NCE2517-0)..... Note: Material Only, Excludes Installation.	2,774.71	
23 09 23 53-0125	EA		NCE, 33 PNTS, LON (Johnson Controls MS-NCE2520-0)..... Note: Material Only, Excludes Installation.	2,423.70	
23 09 23 53-0126	EA		NCE, 33 PTS, LON, MDM (Johnson Controls MS-NCE2521-0)..... Note: Material Only, Excludes Installation.	2,507.29	
23 09 23 53-0127	EA		NCE, 33 PNTS, LON, DISPLY (Johnson Controls MS-NCE2526-0)..... Note: Material Only, Excludes Installation.	2,691.14	
23 09 23 53-0128	EA		NCE, 33 PTS LON, MDM, DIS (Johnson Controls MS-NCE2527-0)..... Note: Material Only, Excludes Installation.	2,774.71	
23 09 23 53-0129	EA		NCE, 33 POINTS, MSTP (Johnson Controls MS-NCE2560-0)..... Note: Material Only, Excludes Installation.	2,423.70	
23 09 23 53-0130	EA		NCE, 33 POINTS, MSTP (Johnson Controls MS-NCE2560-0G)..... Note: Material Only, Excludes Installation.	2,472.16	
23 09 23 53-0131	EA		NCE 33 PNTS,MSTP UL 864 (Johnson Controls MS-NCE2560-0U)..... Note: Material Only, Excludes Installation.	2,496.14	
23 09 23 53-0132	EA		NCE, 33 POINTS, MSTP, MDM (Johnson Controls MS-NCE2561-0)..... Note: Material Only, Excludes Installation.	2,507.29	
23 09 23 53-0133	EA		NCE, 33 POINTS, MSTP, MDM (Johnson Controls MS-NCE2561-0G)..... Note: Material Only, Excludes Installation.	2,557.41	
23 09 23 53-0134	EA		NCE, 33 PTS, MSTP, DISPLY (Johnson Controls MS-NCE2566-0)..... Note: Material Only, Excludes Installation.	2,538.82	
23 09 23 53-0135	EA		NCE, 33 PTS, MSTP, DISPLY (Johnson Controls MS-NCE2566-0G)..... Note: Material Only, Excludes Installation.	2,589.59	
23 09 23 53-0136	EA		NCE, 33 PTS, MSTP/MDM/DIS (Johnson Controls MS-NCE2567-0)..... Note: Material Only, Excludes Installation.	2,617.66	
23 09 23 53-0137	EA		NCE, 33 PTS, MSTP/MDM/DIS (Johnson Controls MS-NCE2567-0G)..... Note: Material Only, Excludes Installation.	2,670.00	
23 09 23 53-0138	EA		NCM 1 N2 ETH (Johnson Controls MS-NCM4510-2)..... Note: Material Only, Excludes Installation.	10,461.65	
23 09 23 53-0139	EA		NCM LON ETH (Johnson Controls MS-NCM4520-2)..... Note: Material Only, Excludes Installation.	13,838.17	
23 09 23 53-0140	EA		ETHERNET CARD FOR N30 (Johnson Controls MS-NET1300-0)..... Note: Material Only, Excludes Installation.	525.93	
23 09 23 53-0141	EA		NIE55, N1 (Johnson Controls MS-NIE5510-2)..... Note: Material Only, Excludes Installation.	11,551.82	
23 09 23 53-0142	EA		NIE55, N1, MODEM (Johnson Controls MS-NIE5511-2)..... Note: Material Only, Excludes Installation.	12,004.62	
23 09 23 53-0143	EA		NIE85 10KOBJT. RACKMOUNT (Johnson Controls MS-NIE8500-0)..... Note: Material Only, Excludes Installation.	22,833.99	
23 09 23 53-0144	EA		NXE8500 S/W NEW (Johnson Controls MS-NXE85SW-0)..... Note: Material Only, Excludes Installation.	18,697.73	
23 09 23 53-0145	EA		SOFTWARE UPGRADE (Johnson Controls MS-NXE85SW-6)..... Note: Material Only, Excludes Installation.	5,236.85	
23 09 23 53-0146	EA		8500 SW SUB SER (Johnson Controls MS-NXE85SW-SCS)..... Note: Material Only, Excludes Installation.	3,535.20	
23 09 23 53-0147	EA		READY ACCESS PORTAL/TYPE (Johnson Controls MS-RAP-0)..... Note: Material Only, Excludes Installation.	1,606.48	
23 09 23 53-0148	EA		METASYS SCT SOFTWARE (Johnson Controls MS-SCTSWO-0)..... Note: Material Only, Excludes Installation.	2,279.88	
23 09 23 53-0149	EA		MET.SYS.CONF.TOOL CD ROM (Johnson Controls MS-SCTSWO-6)..... Note: Material Only, Excludes Installation.	1,140.46	
23 09 23 53-0150	EA		CONNECTOR KIT,NAE (Johnson Controls MS-TBKNAE-0)..... Note: Material Only, Excludes Installation.	24.27	
23 09 23 53-0151	EA		MS-THINAPP-0, 10 THIN (Johnson Controls MS-THINAPP-0)..... Note: Material Only, Excludes Installation.	832.87	
23 09 23 53-0152	EA		MS-THINSUP-0 (Johnson Controls MS-THINSUP-0)..... Note: Material Only, Excludes Installation.	277.62	
23 09 23 53-0153	EA		VAV MSTP,CLG,UL (Johnson Controls MS-VMA1610-0U)..... Note: Material Only, Excludes Installation.	409.07	
23 09 23 53-0154	EA		NEXSYS FSC 01, UL (Johnson Controls MS-VMA1620-0U)..... Note: Material Only, Excludes Installation.	474.91	
23 09 23 53-0155	EA		MS-VMAACT-700 ACT. ASSY (Johnson Controls MS-VMAACT-700)..... Note: Material Only, Excludes Installation.	72.09	
23 09 23 53-0156	EA		WIRELSS FLDBUS COORDINATR (Johnson Controls MS-ZFR1810-0)..... Note: Material Only, Excludes Installation.	458.12	
23 09 23 53-0157	EA		ASSEMBLY SUPERVOSORY (Johnson Controls MS-ZFR1810-0G)..... Note: Material Only, Excludes Installation.	441.10	
23 09 23 53-0158	EA		WIRELSS FLDBUS ROUTER (Johnson Controls MS-ZFR1811-0)..... Note: Material Only, Excludes Installation.	155.47	
23 09 23 53-0159	EA		WIRELSS FLDBUS ROUTER (Johnson Controls MS-ZFR1811-0G)..... Note: Material Only, Excludes Installation.	171.82	
23 09 23 53-0160	EA		CABLE ACSRY FOR ZFR1811 (Johnson Controls MS-ZFRCBL-0)..... Note: Material Only, Excludes Installation.	22.74	
23 09 23 53-0161	EA		REPEATR ACSRY FOR ZFR1811 (Johnson Controls MS-ZFRRPT-0)..... Note: Material Only, Excludes Installation.	80.21	
23 09 23 53-0162			<b>EMCS General Costs</b> <i>(23 09 23 53)</i>		
23 09 23 53-0163			<b>EMCS System Design Engineering</b> <i>(23 09 23 53-0162)</i> Note: Hourly labor rates are used for engineering projects only. Not used in conjunction with construction tasks.		
23 09 23 53-0164	HR		EMCS Site Inspection Of Existing Facilities.....	268.71	
23 09 23 53-0165	HR		EMCS Engineering Project Management.....	268.71	
23 09 23 53-0166	HR		EMCS System Engineering, Schematic Design And Layout.....	285.00	
23 09 23 53-0167	HR		EMCS System Software Programming And Graphics Programming.....	285.00	
23 09 23 53-0168	HR		EMCS Graphics Picture Creation.....	183.27	
23 09 23 53-0169	HR		EMCS System Controls Training.....	268.71	
23 09 23 53-0170	HR		EMCS On Site System Diagnostics Field Technician.....	268.71	





**23 Heating, Ventilating, and Air-Conditioning (HVAC)**  
**23 09 Instrumentation and Control for HVAC**  
**23 09 23 Direct-Digital Control System for HVAC**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 09 23 53-0269	EA 24 Volt, WPT Repeater (Cypress EnviroSystems WPT-800-RWAL24V) ..... Note: One unit for up to 15 thermostats. For >5 To 10, Deduct For >10, Deduct	831.91 -40.22 -80.36	10.86
<b>23 09 23 53-0270</b>	<b>Delta Controls</b> (23 09 23 53)		
<b>23 09 23 53-0271</b>	<b>Software</b> (23 09 23 53-0270) Note: Excludes programming, set-up and commissioning of application.		
23 09 23 53-0272	EA Orca Software Unlimited Points License (Delta Controls DOW333-USB).....	2,043.76	
23 09 23 53-0273	EA Orca Graphics Module, Delta Controls Orca View With Graphics Creation Capabilities (Delta Controls DOW333-I-USB).....	3,410.46	
23 09 23 53-0274	EA Orca Historical Module, Delta Controls Historian Package With Unlimited Archiving Trend Logs (Delta Controls DHS330-HL-USB).....	7,389.33	
23 09 23 53-0275	EA Web Server Unlimited Points License, Delta Controls Web Server Front End (Delta Controls DWS330-L-USB).....	11,706.73	
23 09 23 53-0276	EA Web Server Limited Points (Maximum I/O 2500) License, Delta Controls Web Server Front End (Delta Controls DWS330-M-USB).....	6,022.63	
23 09 23 53-0277	EA Web Server Limited Points (Maximum I/O 250) License, Delta Controls Web Server Front End (Delta Controls DWS330-S-USB).....	2,043.76	
23 09 23 53-0278	EA 100 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.01).....	4,885.81	
23 09 23 53-0279	EA 1,000 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.02).....	6,022.63	
23 09 23 53-0280	EA KW Meter With H8163-2400-4-3 Series, With 3, 2,400 Amperes CT's And BACnet MS/TP Interface (Delta Controls H8186-CB).....	2,150.88	108.58
23 09 23 53-0281	EA Delta Controls Touch Screen (Delta Controls DHMI-7-I).....	2,317.07	
<b>23 09 23 53-0282</b>	<b>EMCS Central Equipment And Controllers</b> (23 09 23 53-0270)		
23 09 23 53-0283	EA Fully Programmable, Native BACnet Building Controller (Delta Controls DSC-1616E + DFM1616) ..... Note: Includes 32 Universal Inputs/32 Analog Or Binary Outputs HOA's, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), SubLAN (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet At 76,800 BPS, Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup	7,546.97	434.28
23 09 23 53-0284	EA Fully Programmable, Native BACnet Building Controller, 16 Universal Inputs/16 Analog Or Binary Outputs HOA's, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), Sublan (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet At 76,800 BPS (Maximum 12 Devices On LINKnet, With 2 DFM Devices) Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup (Delta Controls DSC-1616E).....	5,728.06	434.28
23 09 23 53-0285	EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146).....	4,213.24	434.28
23 09 23 53-0286	EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 8 Analog Or Binary Outputs (Delta Controls DAC-1180).....	4,213.24	434.28
23 09 23 53-0287	EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146).....	4,213.24	434.28
23 09 23 53-0288	EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3).....	3,936.23	434.28
23 09 23 53-0289	EA VAV Controllers Are Native BACnet Application Controllers That Are Fully Programmable, Communicate On A RS-485 LAN Using The MS/TP BACnet Protocol, 3 Universal Inputs, 4 Binary Outputs, Actuator Position Feedback, Supports 4 BACstat Network Sensors On LINKnet For Room Sensing And Control Or 2 Delta Field Modules On LINKnet For I/O Expansion (Delta Controls DVC-304AF).....	1,371.62	217.14
23 09 23 53-0290	EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240).....	1,249.41	217.14
23 09 23 53-0291	EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3).....	1,330.50	217.14
23 09 23 53-0292	EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240).....	1,249.41	217.14
23 09 23 53-0293	EA Remotely Expandable I/O To Delta's BACnet Controllers, 16 Universal Inputs, 16 Analog Outputs (Delta Controls DFM-1616).....	2,904.63	271.43
23 09 23 53-0294	EA Remotely Expandable I/O To Delta's BACnet Controllers, 4 Universal Inputs, 4 Analog Outputs (Delta Controls DFM-440).....	732.27	108.58
23 09 23 53-0295	EA Remotely Expandable I/O To Delta's BACnet™ Controllers, 4 Universal Inputs, 4 Binary Triac Outputs (Delta Controls DFM-404).....	783.80	108.58
23 09 23 53-0296	EA Remotely Expandable I/O To Delta's BACnet™ Controllers, 16 Universal Inputs (Delta Controls DFM-1600).....	917.43	108.58
<b>23 09 23 53-0297</b>	<b>Network, VAV And Special Sensors</b> (23 09 23 53-0270)		
23 09 23 53-0298	EA BACnet MS/TP VAV Network Room Temperature Sensor With LCD Display (Delta Controls DNS-24).....	240.24	34.74
23 09 23 53-0299	EA BACnet MS/TP VAV Network Temperature And Humidity Sensor With LCD Display (Delta Controls DNS-H24).....	325.08	39.09
23 09 23 53-0300	EA Programmable BACnet MS/TP Thermostat With 8 Button Keypad And LCD Display For DX Unit, Fan Coils And RTU (Delta Controls DAC-T305-G2B).....	634.80	16.29
<b>23 09 23 53-0301</b>	<b>Honeywell Controls</b> (23 09 23 53)		
<b>23 09 23 53-0302</b>	<b>EMCS Central Equipment And Controllers</b> (23 09 23 53-0301)		
<b>23 09 23 53-0303</b>	<b>EMCS Network Area Controllers (BACnet Or Lon)</b> (23 09 23 53-0302) Note: Includes loading software, software license, loading data base and mounting on wall.		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0304 EA Network Area Java Controller Supporting 126 Devices (Honeywell WC2003B2004) ..... Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 minimum RS-232 serial ports, 1 minimum RS-485 electrically isolated ports, 1 LonWorks port (supports 126 devices), and web user interface software.	10,404.73	529.29
23 09 23 53-0305 EA Network Area Java Controller Supporting 27 Devices (Honeywell WC2003B1022) ..... Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-232 port, 1 RS-485 port, 1 LonWorks port with driver, Lon tunnel service, BACnet driver, wind river VxWorks OS with Jeode java virtual machine, Niagara control engine and web user interface software (supports 27 device).	7,154.46	529.29
23 09 23 53-0306 EA Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201) ..... Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Supports up to 10 devices.	5,506.75	529.29
23 09 23 53-0307 EA Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-EZ) ..... Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Includes WEB user interface and Enterprise connectivity pack.	6,817.94	529.29
23 09 23 53-0308 EA Niagara Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LN) ..... Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDIO port and MODBus TCP driver. Excludes RS232 and RS485 communications. Includes Niagara network ethernet communication between stations.	5,461.61	529.29
23 09 23 53-0309 EA Web UI Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LU) ..... Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDIO port and MODBus TCP driver. Excludes RS232 and RS485.	5,461.61	529.29
23 09 23 53-0310 EA 16 Point BACnet IP Network Area Java Controller (Honeywell WEB-216-B) ..... Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	5,915.09	529.29
23 09 23 53-0311 EA 16 Point Web UI And BACnet IP Network Area Java Controller (Honeywell WEB-216-BU) ..... Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	6,391.14	529.29
23 09 23 53-0312 EA 16 Point Niagara Network Area Java Controller (Honeywell WEB-216-N) ..... Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	5,915.09	529.29
23 09 23 53-0313 EA 16 Point Web UI And Niagara Network Area Java Controller (Honeywell WEB-216-NU) ..... Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	6,391.14	529.29
23 09 23 53-0314 EA 34 Point BACnet IP Network Area Java Controller (Honeywell WEB-234-B) ..... Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	6,395.24	529.29
23 09 23 53-0315 EA 34 Point Web UI and BACnet IP Network Area Java Controller (Honeywell WEB-234-BU) ..... Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.	6,871.29	529.29
23 09 23 53-0316 EA 34 Point Niagara Network Area Java Controller (Honeywell WEB-216-N) ..... Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	6,395.24	529.29
23 09 23 53-0317 EA 34 Point Web UI and Niagara Network Area Java Controller (Honeywell WEB-216-NU) ..... Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.	6,871.29	529.29
23 09 23 53-0318 EA Network Area Java Controller Supporting 27 Devices (Controller Only) (Honeywell WEB-403-AX) ..... Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.	6,795.37	529.29
23 09 23 53-0319 EA Unrestricted Network Area Java Controller Supporting 27 Devices (Controller Only) ..... Note: Unrestricted limit on connected devices. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. Honeywell WEB-403-EXP-AX. As with other WEBS controllers, capacity is limited by the characteristics of the application including size and complexity.	8,385.63	529.29
23 09 23 53-0320 EA Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EZ) ..... Note: Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.	8,876.04	529.29
23 09 23 53-0321 EA Expanded Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EXP-EZ) ..... Note: Unrestricted limit on connected devices. Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. As with other WEBS controllers, capacity is limited by the characteristics of the application including size and complexity.	10,466.29	529.29
23 09 23 53-0322 EA Network Area Java Controller Supporting 124 Devices (Controller Only) (Honeywell WEB-545-AX) ..... Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other WEBS controllers, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Excludes UI service and Enterprise connectivity service.	8,898.61	529.29
23 09 23 53-0323 EA Easy Pack Network Area Java Controller Supporting 124 Devices (Honeywell WEB-545-EZ) ..... Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other JACEs, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Includes WEB-545-AX plus User Interface Station Pack (UI-SP-5XX) and Enterprise Connectivity Station Pack (EC-SP-5XX) bundled as an "easy-order" bundle.	11,929.33	529.29

23 09 23 53-0324 **EMCS Network Interfaces** (23 09 23 53-0302)  
Note: Includes installation, start-up and tech labor.







MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0392	EA		Lon Analog IO, 24 Volt AC/DC, 4 Analog PT1000 Inputs (Honeywell XIO-4PT1000).....	502.73	
23 09 23 53-0393	EA		Lon Analog IO, 24 Volt AC/DC, 8 Analog Inputs (Honeywell XIO-8AI) .....	723.31	
23 09 23 53-0394	EA		16 Point IO Module For Network Area Controllers (Honeywell WEB-IO-16).....	853.61	
			Note: Includes 8 universal inputs, 4 relay outputs, and 4 analog outputs.		
23 09 23 53-0395	EA		34 Point IO Module For Network Area Controllers (Honeywell W7750A2005) .....	1,813.92	
			Note: Includes 16 universal inputs, 10 relay outputs, and 8 analog outputs.		
<b>23 09 23 53-0396</b>			<b>EMCS Software</b> <small>(23 09 23 53-0301)</small>		
<b>23 09 23 53-0397</b>			<b>Software Packages And License</b> <small>(23 09 23 53-0396)</small>		
			Note: Includes installation on equipment.		
23 09 23 53-0398	EA		On Board Programming Tool For Network Area Controllers (Honeywell WP-AX-WEB).....	578.65	
			Note: Requires UI services to be installed on NAC.		
23 09 23 53-0399	EA		Software Upgrade To Provide Unrestricted Connected Device Limit (Honeywell WEB-403-EXUP-AX).....	2,214.04	
			Note: Upgrade existing network area controller. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.		
23 09 23 53-0400	EA		WEBStation-AX Software For Windows (Honeywell WEB-S-AX) .....	6,463.61	
			Note: Includes Archon database. WEBs controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes one copy of WP-AX (WEBPro-AX).		
23 09 23 53-0401	EA		Small Building WEBStation-AX Based Software (Honeywell WEB-S-AX-SBS).....	3,847.39	
			Note: For up to 3 NAC controllers. NAC controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes Archon database.		
23 09 23 53-0402	EA		Upgrade Small Building To Large Building Software .....	4,368.58	
			Note: Upgrade WEB-S-AX-SBS to WEB-S-AX.		
23 09 23 53-0403	EA		Additional Copy Of WEBPro-AX (Honeywell WEB-S-AX-W) .....	3,064.95	
			Note: One copy is included with WEB-S-AX and WEBStation-AX.		
23 09 23 53-0404	EA		WEBs Energy Suite (WES) Base Software (Honeywell WES-BASE-AX).....	5,470.85	
			Note: Includes license for 10 points of E <sup>2</sup> Profiler and 2 licensed meters of Cost Profiler. Limit of one WES-BASE per WEBStation-AX Supervisor. Additional E <sup>2</sup> Profiler point requirements or Cost Profiler meter requirements may use one or any combination of point/meter bundles. One WES-BASE required per WES project.		
23 09 23 53-0405	EA		Perpetual License One Meter Point Bundle Of A Cost Profiler Meter And Two E <sup>2</sup> Profiler Points (Honeywell WES-CP-AX) .....	705.22	
			Note: Can be combined with the required single instance of VES-BASE as well as with any combination of other EP points and CP meters.		
23 09 23 53-0406	EA		Perpetual License For One Point Of E <sup>2</sup> Profiler (Honeywell WES-E2-AX).....	464.12	
			Note: Can be combined with the required single instance of VES-BASE as well as with any number of other EP Points and Cost Profiler meters.		
23 09 23 53-0407	EA		Perpetual License For An Unlimited Bundle Of E2 Points And CP Meters.....	29,687.85	
			Note: Sold on a per server basis. Purchase of this product must be accompanied by VES-M1-ENT-AX maintenance. The first year price of maintenance is included with VES-ENT-AX.		
23 09 23 53-0408	EA		Annual Maintenance For Enterprise WEBs-AX Energy Suite (Honeywell WES-M1-ENT-AX).....	27,082.37	
			Note: The first year cost of VES-M1-ENT-AX is included with VES-ENT-AX. After the first year VES-M1-ENT-AX maintenance fee will be invoiced annually.		
23 09 23 53-0409	EA		Standard WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX) .....	10,306.89	
23 09 23 53-0410	EA		Small WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX-SBS).....	7,690.67	
23 09 23 53-0411	EA		Add 500 Modbus TCP Points To WEBStation With WS-OSD Option (Honeywell WS-MTCP-500) .....	2,223.28	
23 09 23 53-0412	EA		Add 500 OPC Points To WEBStation With WS-OSD Option (Honeywell WS-OPC-500) .....	2,223.28	
23 09 23 53-0413	EA		Vykon Oracle Driver For Support Of Oracle Database (Honeywell WS-ORCL).....	15,389.55	
			Note: Excludes Oracle.		
23 09 23 53-0414	EA		Open System Driver Option (Honeywell WS-SNMP-500).....	2,051.94	
			Note: Adds 25 points each of BACnet IP, OPC (client), Modbus TCP and SNMP to a standard WEBStation. Can be purchase with the WS or added later. Web Supervisor required to purchase this option.		
23 09 23 53-0415	EA		Add 500 SNMP Points To WEBStation With WS-OSD Option (Honeywell WS-SNMP-500) .....	2,223.28	
23 09 23 53-0416	EA		WEBStation Software WS-1 And First Copy Of WEBPro Software (Honeywell ZW2000A1003).....	5,814.17	
			Note: For a single Honeywell WEB NP controller. Excludes software keys for the additional nodes.		
23 09 23 53-0417	EA		WEBStation Additional Node (Honeywell ZW2000B1002) .....	2,223.28	
23 09 23 53-0418	EA		WEBStation Software And 20 Pack Of Node Software Keys (Honeywell ZW2000C1001).....	37,277.59	
23 09 23 53-0419	EA		WEBStation Software And 50 Pack Of Node Software Keys (Honeywell ZW2000D1000).....	68,398.34	
23 09 23 53-0420	EA		WEBStation Software And 100 Pack Of Node Software Keys (Honeywell ZW2000E1009).....	119,696.84	
23 09 23 53-0421	EA		Master WEBStation Software For Monitoring Multiple WEBStations (Honeywell ZW2000F1008).....	6,155.82	
23 09 23 53-0422	EA		Additional Master WEBStation Software Licenses (Honeywell ZW200G1007).....	3,077.91	
23 09 23 53-0423	EA		Additional Copies Of Workplace Pro WP-1 (Web Pro) (Honeywell ZW2001A1001).....	2,432.95	
23 09 23 53-0424	EA		Upgrade Existing NAC To Provide Unrestricted Connected Device Limit (Honeywell WC2003B1055).....	2,675.73	
			Note: As with other WEBs, capacity is limited by the characteristics of the application including size and complexity.		
<b>23 09 23 53-0425</b>			<b>Initial Database Generation</b> <small>(23 09 23 53-0396)</small>		
23 09 23 53-0426	PNT		Database Generation For Central Plant.....	72.85	
23 09 23 53-0427	PNT		Database Generation For Programmable Controller .....	72.85	
			Note: For VAV AHU, large CV AHU, or heat exchanger, etc.		
23 09 23 53-0428	EA		Database Generation For Application Specific Controller.....	72.85	
			Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.		
23 09 23 53-0429	EA		Replication Of Database Generation For Application Specific Controller .....	50.71	
			Note: Price per copy made.		
23 09 23 53-0430	EA		Database Generation For Remote IO Modules, Sensors, Etcetera .....	50.71	
<b>23 09 23 53-0431</b>			<b>Application Software Programs</b> <small>(23 09 23 53-0396)</small>		
23 09 23 53-0432	EA		Basic Application Program Package.....	3,040.01	
			Note: One per project. Includes program inputs, command priorities, alarms, trends for analog and digital points, energy totalization, schedules, calendars, special events, occupied and unoccupied setpoints, ventilation and recirculation modes, hot water reset program, chilled water reset program, condenser water reset program, and fail-over logic.		
23 09 23 53-0433	EA		Optimum Start/Stop Program.....	101.63	
			Note: Priced per controller requiring optimum start programming.		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 09 23 53-0434	EA	Duty Cycling Program.....	47.99	
23 09 23 53-0435	EA	Hot Deck/Cold Deck Reset Application Program .....	5,222.64	
23 09 23 53-0436	EA	Boiler Optimization Program .....	6,843.93	
23 09 23 53-0437	EA	Chiller Optimization Program .....	9,270.80	
23 09 23 53-0438	EA	Lighting Control Program.....	4,473.74	
23 09 23 53-0439	EA	Demand Limiting Program .....	89.14	
23 09 23 53-0440	EA	Note: Priced per controller requiring optimum start programming. Email Alarm Server Configuration.....	3,451.29	
<b>23 09 23 53-0441</b>		<b>Color Graphics Generation (23 09 23 53-0396)</b>		
		Note: Priced per page.		
23 09 23 53-0442	EA	Single Site Home Page Graphics Page With HTML Navigation Code.....	1,821.63	
23 09 23 53-0443	EA	Multi Site Home Page Graphics Page With HTML Navigation Code .....	3,234.24	
23 09 23 53-0444	EA	Color Graphics Page For Central Plant.....	827.65	
23 09 23 53-0445	EA	Color Graphics Page For Building Floor Plan .....	764.24	
23 09 23 53-0446	EA	Replication Of Color Graphics Page For Central Plant .....	415.18	
23 09 23 53-0447	EA	Color Graphics Page For Programmable Controller .....	931.12	
		Note: For VAV AHU, large CV AHU, or heat exchanger, etc.		
23 09 23 53-0448	EA	Replication Of Color Graphics Page For Programmable Controller.....	199.12	
		Note: Priced per copy made.		
23 09 23 53-0449	EA	Color Graphics Page For Application Specific Controller.....	861.20	
		Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.		
23 09 23 53-0450	EA	Replication Of Color Graphics Page For Application Specific Cont .....	86.10	
		Note: Priced per copy made.		
<b>23 09 23 53-0451</b>		<b>Sensors, Actuators And Control Devices (23 09 23 53-0301)</b>		
		Note: Includes installation, startup, checkout and miscellaneous parts for installation. Excludes conduit, wire and cable. Excludes engineering and programming labor. Each device is considered one control point. No engineering or programming time required for replacement parts.		
<b>23 09 23 53-0452</b>		<b>Special Sensors (23 09 23 53-0451)</b>		
23 09 23 53-0453	EA	Dewpoint Sensor (Honeywell C7232B1014).....	1,832.38	67.21
23 09 23 53-0454	EA	Enthalpy Sensor -25 To 125 F .....	1,911.66	67.21
23 09 23 53-0455	EA	Outdoor Mounted Temperature And Humidity Transmitter (Honeywell H7635C1002) .....	875.30	134.42
23 09 23 53-0456	EA	Freeze-stat (Honeywell L482A1004).....	605.01	223.98
23 09 23 53-0457	EA	Wall Mounted Occupancy Sensor.....	431.88	67.21
23 09 23 53-0458	EA	Ceiling Mounted Occupancy Sensor.....	344.48	67.21
23 09 23 53-0459	EA	I/P Positioner With Gauge.....	405.52	67.21
23 09 23 53-0460	EA	Non Communicating Duct Mounted Smoke Detector With Sampling Tube .....	485.64	67.21
23 09 23 53-0461	EA	EP Transducer.....	405.52	44.84
23 09 23 53-0462	EA	Electric Heat Sequencer .....	644.77	89.57
<b>23 09 23 53-0463</b>		<b>Meters (23 09 23 53-0451)</b>		
23 09 23 53-0464	EA	208 - 480 Volt, Up To 2,400 Amperes, KW/KWh Meter/Current Transformer .....	4,134.89	537.44
23 09 23 53-0465	EA	208 - 480 Volt, Up To 2,400 Amperes, KW/KWh Meter/Current Transformer With LON interface .....	6,007.94	627.00
23 09 23 53-0466	EA	1 To 300 Amperes, Current Transformer For KW Meter.....	1,447.35	223.98
23 09 23 53-0467	EA	300 To 800 Amperes, Current Transformer For KW Meter .....	1,651.61	223.98
23 09 23 53-0468	EA	800 To 2,400 Amperes, Current Transformer For KW Meter .....	2,043.34	223.98
<b>23 09 23 53-0469</b>		<b>Direct Coupled Actuators (23 09 23 53-0451)</b>		
23 09 23 53-0470	EA	44 IN-LB, 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4105A1002).....	579.36	94.19
23 09 23 53-0471	EA	88 IN-LB, 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4110A1200).....	636.90	94.19
23 09 23 53-0472	EA	175 IN-LB, 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4120A1209).....	735.85	94.19
23 09 23 53-0473	EA	44 IN-LB, 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8105A1008).....	545.68	94.19
23 09 23 53-0474	EA	88 IN-LB, 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8110A1206).....	607.57	94.19
23 09 23 53-0475	EA	175 IN-LB, 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8120A1205).....	668.86	94.19
23 09 23 53-0476	EA	44 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator.....	610.96	94.19
23 09 23 53-0477	EA	88 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7510A2206) .....	699.20	94.19
23 09 23 53-0478	EA	175 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7520A2205).....	794.45	94.19
23 09 23 53-0479	EA	44 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7505A2209).....	499.77	94.19
23 09 23 53-0480	EA	88 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7510A2209).....	546.76	94.19
23 09 23 53-0481	EA	175 IN-LB, 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6120A1200).....	641.16	94.19
23 09 23 53-0482	EA	175 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7220A2007).....	685.60	94.19
23 09 23 53-0483	EA	300 IN-LB, 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6134A10030).....	685.04	94.19
23 09 23 53-0484	EA	300 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7234A2008).....	806.90	94.19
23 09 23 53-0485	EA	Pneumatic Spring Return Damper Actuator Without Positive Positioner (Honeywell MP909E1018) .....	519.03	94.19
23 09 23 53-0486	EA	Pneumatic Spring Return Damper Actuator With Positive Positioner (Honeywell MP909H1368).....	902.54	94.19
23 09 23 53-0487	EA	Foot Mount Kit With Damper Linkage And Connectors For Direct Coupled Actuator .....	392.86	94.19
23 09 23 53-0488	EA	Direct Coupled Damper Actuator Enclosure For Outdoor Use.....	595.09	94.19
<b>23 09 23 53-0489</b>		<b>Thermostats (23 09 23 53-0301)</b>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>23 09 23 53-0490</b>			<b>Electric And Electronic Thermostats</b> <small>(23 09 23 53-0489)</small>		
			Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as one control point.		
23 09 23 53-0491	EA		Line Voltage 120 Volt, Heat/Cool Thermostat (Honeywell T651A3018) .....	191.13	16.29
23 09 23 53-0492	EA		Electronic Non Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell TH5320) .....	205.72	16.29
23 09 23 53-0493	EA		Electronic Programmable Heating/Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6110) .....	189.51	16.29
23 09 23 53-0494	EA		Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6220) .....	211.71	16.29
23 09 23 53-0495	EA		Electronic Programmable Three Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6320) .....	228.40	16.29
23 09 23 53-0496	EA		Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH8321) .....	335.34	16.29
23 09 23 53-0497	EA		Humidity Control Electronic Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7351F) .....	487.65	16.29
23 09 23 53-0498	EA		Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350H) .....	788.80	16.29
23 09 23 53-0499	EA		Modulating Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350M) .....	841.12	16.29
<b>23 09 23 53-0500</b>			<b>Pneumatic Thermostats</b> <small>(23 09 23 53-0489)</small>		
			Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as two control point.		
23 09 23 53-0501	EA		Pneumatic Thermostat (Honeywell TP970B2182) .....	263.42	16.29
<b>23 09 23 53-0502</b>			<b>Thermostats Guards</b> <small>(23 09 23 53-0489)</small>		
23 09 23 53-0503	EA		9-3/4" x 7-1/4" x 3-3/8" Universal Thermostat Guard (Honeywell TG512A1009) .....	64.08	16.29
23 09 23 53-0504	EA		7-1/2" x 6-1/2" x 2-15/16" Universal Thermostat Guard (Honeywell TG511) .....	76.24	16.29
23 09 23 53-0505	EA		5-7/8" x 5-7/8" x 2-1/2" Deep Universal Thermostat Guard (Honeywell TG510) .....	71.86	16.29
<b>23 09 23 53-0506</b>			<b>Johnson Controls</b> <small>(23 09 23 53)</small>		
<b>23 09 23 53-0507</b>			<b>Software</b> <small>(23 09 23 53-0506)</small>		
			Note: Excludes programming, set-up and commissioning of application.		
23 09 23 53-0508	EA		5 Concurrent User Application And Data Server (Johnson Controls MS-ADS05U-0) .....	16,497.40	
23 09 23 53-0509	EA		10 Concurrent User External Application And Data Server (Johnson Controls MS-ADX10U-0) .....	19,508.26	
23 09 23 53-0510	EA		N2 Controllers Commissioning And Download Software (Johnson Controls MW-MTOOL-0) .....	975.12	
23 09 23 53-0511	EA		N2 Controllers Download Cable Kit (Johnson Controls AS-CBLPRO-2) .....	1,471.31	
23 09 23 53-0512	EA		BACnet FEU Controllers Commissioning And Download Software (Johnson Controls MS-CCTSWO-0) .....	2,596.94	
23 09 23 53-0513	EA		BACnet Controllers Download Bluetooth Converter (Johnson Controls MS-BTCVT-0) .....	983.52	
23 09 23 53-0514	EA		New User FX Tools Pro CD-Rom (FX Builder, FX Builder Express, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-0) .....	978.48	
23 09 23 53-0515	EA		Upgrade FX Tools Pro CD-Rom (FX Builder, FX Builder Express, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-6) .....	364.15	
<b>23 09 23 53-0516</b>			<b>Supervisory Controllers</b> <small>(23 09 23 53-0506)</small>		
23 09 23 53-0517	EA		NAE With 1 RS-485, Support For 50 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE3510-2) .....	7,358.40	434.28
23 09 23 53-0518	EA		NAE With 1 RS-485, Support For 100 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE4511-2) .....	11,329.20	434.28
23 09 23 53-0519	EA		NAE With 2 RS-485, Support For 200 Devices (N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE5511-1) .....	15,308.81	434.28
23 09 23 53-0520	EA		NCE, 33 Points, Network Control Engine, 32 N2 Device Support Supervisory Controllers (Johnson Controls MS-NCE2510-0) .....	5,828.87	434.28
<b>23 09 23 53-0521</b>			<b>Controllers</b> <small>(23 09 23 53-0506)</small>		
23 09 23 53-0522	EA		10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-FEU1610-0) .....	856.24	108.58
23 09 23 53-0523	EA		10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus, Mounting Base And Integral Display (Johnson Controls MS-FEU1620-0) .....	1,121.01	217.14
23 09 23 53-0524	EA		17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Mounting Base (Johnson Controls MS-FEU2610-0) .....	1,476.22	217.14
23 09 23 53-0525	EA		17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Integral Display (Johnson Controls MS-FEU2620-0) .....	1,740.98	217.14
23 09 23 53-0526	EA		BACnet MS/TP 4-Point I/O Module With 4 BI, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM1710-0) .....	704.34	108.58
23 09 23 53-0527	EA		BACnet MS/TP 6 Point I/O Module With 2 UI, 2 UO, 2 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM2710-0) .....	771.86	108.58
23 09 23 53-0528	EA		BACnet MS/TP 12 Point I/O Module with 4 UI, 4 UO, 4 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM3710-0) .....	873.13	108.58
23 09 23 53-0529	EA		17 Point I/O Module with 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-IOU4710-0) .....	886.62	108.58
23 09 23 53-0530	EA		BACnet MS/TP Rooftop Controller For Stand-Alone And Networked Zoning Systems (Johnson Controls TEC2664Z-2) .....	1,809.87	217.14
23 09 23 53-0531	EA		32-bit, Integrated VAV Controller/Actuator/DPT, 3 UI, 3 BO, and 2 CO; 24 Volt AC; Field Controller Bus And Sensor Actuator Bus (Johnson Controls MS-VMA1630-0) .....	869.52	108.58
23 09 23 53-0532	EA		32-bit, Integrated VAV Controller/Actuator/Pressure Sensor - DPT, 3 UI and 3 BO, 2 CO, 24 Volt AC, and Sensor Actuator Bus (Johnson Controls MS-VMA1930-0) .....	1,255.43	108.58
			Note: Includes 6-pin Sensor Port for use with TE-7xx Series Non-Communicating Sensors and two Ethernet Ports for BACnet/IP Communications		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

		MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 09 23 53-0533 Master FX Controllers</b> <small>(23 09 23 53-0506)</small>							
23 09 23 53-0534	EA				6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X00-000C).....	2,275.65	217.14
23 09 23 53-0535	EA				6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X01-000C).....	2,435.79	217.14
23 09 23 53-0536	EA				6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X02-000C).....	2,515.37	217.14
23 09 23 53-0537	EA				6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X03-000C).....	2,467.00	217.14
23 09 23 53-0538	EA				6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X04-000C).....	2,391.43	217.14
23 09 23 53-0539	EA				6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X11-000C).....	2,403.54	217.14
23 09 23 53-0540	EA				6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X14-000C).....	2,391.43	217.14
23 09 23 53-0541	EA				6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X50-000C).....	2,435.96	217.14
23 09 23 53-0542	EA				6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X51-000C).....	2,574.26	217.14
23 09 23 53-0543	EA				6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X52-000C).....	2,666.46	217.14
23 09 23 53-0544	EA				6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X53-000C).....	2,620.36	217.14
23 09 23 53-0545	EA				6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X54-000C).....	2,525.99	217.14
23 09 23 53-0546	EA				6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X60-000C).....	2,435.96	217.14
23 09 23 53-0547	EA				6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X61-000C).....	2,574.26	217.14
23 09 23 53-0548	EA				6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X62-000C).....	2,666.46	217.14
23 09 23 53-0549	EA				6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X63-000C).....	2,620.36	217.14
23 09 23 53-0550	EA				6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X64-000C).....	2,525.99	217.14
23 09 23 53-0551	EA				N2 Open Communication Card For FX16 (Johnson Controls LP-NET151-010C).....	271.93	54.28
23 09 23 53-0552	EA				LON Communication Card For FX15 and FX16 (Johnson Controls LP-NET152-010C).....	385.39	54.28
23 09 23 53-0553	EA				RS-232 Communication Card For FX16 (Johnson Controls LP-NET163-000C).....	303.78	54.28
23 09 23 53-0554	EA				BACnet Communications Card For FX16 (Johnson Controls LP-NET164-000C).....	271.93	54.28
23 09 23 53-0555	EA				Remote Medium User Interface For FX16 (Johnson Controls LP-DIS60P20-0C).....	751.27	54.28
23 09 23 53-0556	EA				Facility Explorer Extension I/O Module (Johnson Controls LP-XT91D00-000C).....	692.91	54.28
23 09 23 53-0557	EA				5 UI, 4 BI, 3 AO, 6 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X01-000C).....	706.58	54.28
23 09 23 53-0558	EA				5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X11-000C).....	706.58	54.28
23 09 23 53-0559	EA				5 UI, 4 BI, 3 AO, 6 Relay DO (Manual Overrides For 2 AO And 4 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X51-000C).....	774.84	54.28
23 09 23 53-0560	EA				5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO (Manual Overrides For 2 AO, 2 Triac DO, And 2 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X61-000C).....	774.84	54.28
23 09 23 53-0561	EA				6 UI, 12 BI, 4 AO, 9 Relay DO Expansion I/O Module (Johnson Controls LP-XM14X01-000C).....	971.08	54.28
23 09 23 53-0562	EA				6 UI, 12 BI, 4 AO, 4 Triac DO Expansion I/O Module (Johnson Controls LP-XM14X11-000C).....	971.08	54.28
23 09 23 53-0563	EA				6 UI, 12 BI, 4 AO, 9 Relay DO (Manual Overrides For 3 AO And 7 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X51-000C).....	1,082.00	54.28
23 09 23 53-0564	EA				6 UI, 12 BI, 4 AO, 4 Triac DO, 5 Relay DO (Manual Overrides For 3 AO, 2 Triac DO, And 5 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X61-000C).....	1,082.00	54.28
<b>23 09 23 53-0565 VAV, Network And Special Sensors</b> <small>(23 09 23 53-0506)</small>							
23 09 23 53-0566	EA				3" x 4-1/2", Surface Or Box Mounted, LCD RH Display, 3% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHR7001-0).....	507.60	34.74
23 09 23 53-0567	EA				3" x 4-1/2", Surface Or Box Mounted, Addressing Switch BACnet Temperature Sensor (Johnson Controls NS-BTN7003-0).....	172.81	34.74
23 09 23 53-0568	EA				3" x 4-1/2", Surface Or Box Mounted, 3% RH Accuracy, BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHN7001-0).....	393.86	34.74
23 09 23 53-0569	EA				3" x 4-1/2", Surface Or Box Mounted, LCD Display, 2% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint Addressing Switch BACnet Temperature And Humidity Sensor (Johnson Controls NS-BPB7003-0).....	586.91	34.74
23 09 23 53-0570	EA				3" x 4-1/2", Surface Or Box Mounted, LCD Display, Occupancy Override, Adjustable Temperature Setpoint, BACnet Temperature Sensor (Johnson Controls NS-BTB7001-0).....	197.88	34.74
23 09 23 53-0571	EA				3" x 4-1/2", Surface Or Box Mounted CO2 Sensor, 0 To 2,000 ppm (Johnson Controls NS-BCN7004-0).....	532.48	34.74
<b>23 09 23 53-0572 Sensors - Hard Wired Type</b> <small>(23 09 23 53-0506)</small>							
23 09 23 53-0573	EA				Duct Mount Temperature Sensor, Platinum RT, With Handi-Box (Johnson Controls TFDCR00).....	171.46	62.54
23 09 23 53-0574	EA				Well Insertion Temperature Sensor, With Stainless 4-1/2" Well (Johnson Controls TIGB1C0).....	144.15	34.74
23 09 23 53-0575	EA				BACnet MS/TP Networked, Single Stage Thermostat (Johnson Controls TEC2601-2).....	396.08	16.29
Note: For fan coil units, unit heaters and single stage packaged heating/cooling equipment.							
23 09 23 53-0576	EA				BACnet MS/TP Networked Two Outputs, Dehumidification Capability And Three Speed Fan Control Thermostat (Johnson Controls TEC2616-2).....	534.64	16.29
Note: For two or four pipe fan coils, cabinet unit heaters or other equipment using on/off, floating, or proportional 0 to 10 Volt DC control input, three speeds of fan control, and dehumidification capability.							
23 09 23 53-0577	EA				BACnet MS/TP Networked Thermostats With Two Outputs (Johnson Controls TEC2627/VVT-2).....	396.84	16.29
Note: For VVT systems.							
23 09 23 53-0578	EA				BACnet MS/TP Zone Controller For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2).....	520.12	34.74
23 09 23 53-0579	EA				BACnet Zone Controller With Occupancy Sensor For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2+PIR).....	640.03	34.74

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0580	<b>Melink Intelli-Hood IH3 Controls (23 09 23 53)</b>	
23 09 23 53-0581	<b>Kitchen Ventilation Controllers (23 09 23 53-0580)</b>	
23 09 23 53-0582 EA	Fully Programmable Kitchen Ventilation Controller (Melink Intelli-Hood 2SYS-3001).....8,518.92	434.28
	Note: RS-485 communication protocol supports up to 39 Hood Controllers, 10 graphical user interface devices, 10 auxiliary power supplies, and 10 auxiliary light controllers. Modbus VFD communications interface for support of up to 64 variable frequency drives, programmable I/O points. Includes 3 digital inputs, 4 digital outputs, 1 analog output, and 1 analog input. BACnet over TCP/IP Interface, Real-Time Clock with battery back-up.	
23 09 23 53-0583 EA	Graphical User Interface (Melink Intelli-Hood 2KPD-3001).....1,593.32	89.57
	Note: Full color 2.5" display and programming interface device. RS-485 communication protocol for interface with main controller.	
23 09 23 53-0584 EA	Hood Controller (Melink Intelli-Hood 2ZEN-3001) .....2,634.90	361.54
	Note: 6 point field I/O device, RS-485 communication protocol, supports up to 4 field temperature sensors and 1 optic sensor system.	
23 09 23 53-0585	<b>Kitchen Ventilation Sensors (23 09 23 53-0580)</b>	
23 09 23 53-0586 EA	Duct Mount Stainless Steel RTD (Melink Intelli-Hood 2SEN-3005-Q).....474.27	62.54
	Note: Includes UL listed mounting compression fitting, stainless steel probe protection sleeve, RJ-45 communication connector.	
23 09 23 53-0587 EA	Optic Sensor System For Detection Of Cooking Effluent (Melink Intelli-Hood 2SEN-3004-28) .....4,047.46	347.43
	Note: Includes air purge unit, infrared emitter/receiver with stainless steel housings. Auto-calibration, 0.2 second response time, conformal-coated circuit boards, purge pipe assembly complete with UL listed compression fittings, communication interface cables and blower box assembly.	
23 09 23 53-0588	<b>Siemens Controls (23 09 23 53)</b>	
23 09 23 53-0589 EA	Concealed Temperature Set Point Adjustment, Electric Line Voltage Heating/Cooling Thermostat (Siemens 134-1083) .....382.44	16.29
23 09 23 53-0590 EA	Exposed Temperature Set Point Adjustment, Electric Line Voltage Heating/Cooling Thermostat (Siemens 134-1085) .....271.30	16.29
23 09 23 53-0591 EA	SPST/Manual Reset, 1" To 12" Set Point Range, Differential Static Pressure Airflow Switch (Siemens 141-0575).....285.04	73.35
23 09 23 53-0592 EA	-0.5" To 0.5" WG, Low Differential Pressure Transmitter (Siemens 141-0591) .....426.92	73.35
23 09 23 53-0593 EA	Spring Clip Mounting Kit For Thermostat (Siemens 182-685).....64.53	10.86
23 09 23 53-0594 EA	Two Position, Pneumatic Circuit, RL243 Switching Relay (Siemens 243-0001) .....216.26	108.58
23 09 23 53-0595 EA	3/4" Two Way, Normally Closed, 6.3 Cv, FxF, Brass Trim, Floating, Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 260-02012) .....351.69	19.08
23 09 23 53-0596 EA	1" Three Way, 10 Cv, FxF, Stainless Steel Trim. Floating, Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 266-02079).....620.49	34.63
23 09 23 53-0597 EA	1" Three Way, 10 Cv, FxF, Brass Trim, 0 To 10 Volt DC, 4 To 20 mA Electronic Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 274-03203) .....1,243.70	34.63
23 09 23 53-0598 EA	1-1/4" Two Way, 16 Cv, FxF, Stainless Steel Trim, 0 To 10 Volt DC Electronic Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 298-03006) .....1,054.19	43.87
23 09 23 53-0599 EA	36" Rigid Probe, 4 To 20 mA, 20 To 120 Degree F Range, Duct Averaging Sensor (Siemens 535-490-36).....283.90	62.54
23 09 23 53-0600 EA	-58 To 122 Degree F Range, Outside Air Temperature Sensor (Siemens 536-768) .....236.09	34.74
23 09 23 53-0601 EA	Unit Conditioner Controller With Secure Mode (Siemens 540-110C) .....1,251.56	173.72
23 09 23 53-0602 EA	9-Pin, Female To RJ-11 Cable (Siemens 540-143).....93.10	5.43
23 09 23 53-0603 EA	Terminal Box Controller, Electronic Output, For Trane (Siemens 540-800).....1,437.41	173.72
23 09 23 53-0604 EA	MMI Extension Cable (Siemens 545-712) .....191.27	5.43
23 09 23 53-0605 EA	Remote Pressure Transmitter (Siemens 547-003) .....1,217.52	34.74
23 09 23 53-0606 EA	Cooling Only, GDE, BACnet Actuating Terminal Equipment Controller (Siemens 550-400) .....805.71	86.85
23 09 23 53-0607 EA	BACnet Unit Conditioner Fan Coil Controller (Siemens 550-433).....656.22	86.85
23 09 23 53-0608 EA	Door Lock And Key Assembly (Siemens 567-225).....36.96	21.71
23 09 23 53-0609 EA	Insight Advanced Software Package (Siemens 571-010-381-USB) .....12,306.46	
	Note: Includes one user license and one sentinel key.	
23 09 23 53-0610 EA	BACnet Client Option For Insight Advanced Software Package (Siemens 571-188).....458.19	
23 09 23 53-0611 EA	Soft Controller Option For Insight Advanced Software Package (Siemens 571-620) .....2,730.11	
23 09 23 53-0612 EA	1" Steam, Normally Open, 10 Cv, Stainless Steel Trim, Class 250 Globe Valve (Siemens 599-03059).....413.19	11.52
23 09 23 53-0613 EA	2" Steam, Normally Open, 40 Cv, Stainless Steel Trim, Class 250 Globe Valve (Siemens 599-03062).....868.23	19.96
23 09 23 53-0614 EA	Firefinder XLS Driver, Modular Equipment Controller With RS-485 BLN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, HOA-Ready (Siemens 986-83481C) .....11,438.97	434.28
23 09 23 53-0615 EA	SiPass Driver, Modular Equipment Controller With RS-485 ALN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, Modem With HOA (Siemens 986-83482F) .....12,876.31	434.28
23 09 23 53-0616 EA	7" x 13-7/16" x 3-3/4" Weather Shield (Siemens ASK75.3U).....150.06	16.29
23 09 23 53-0617 EA	Two Position, 24 Volt AC/Volt DC, Standard Cabling, Dual Auxilliary Switches, Electronic Damper Actuator With Spring Return (Siemens GMA126.1U) .....581.68	94.19
23 09 23 53-0618 EA	Modulating, 0 To 10 Volt DC, 24 Volt AC/Volt DC, Standard Cabling, Electronic Damper Actuator With Spring Return (Siemens GMA161.1U).....606.63	94.19
23 09 23 53-0619 EA	License To Enable 4 TX-I/O Modules On the Island Bus And FLN Support On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-36.A) .....3,571.50	
23 09 23 53-0620 EA	License To Enable FLN Support On PXC-16 or PXC-24 "F" Models (Siemens LSM-FLN) .....721.18	
23 09 23 53-0621 EA	License To Enable FLN Support On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-FLN36.A) .....2,321.06	
23 09 23 53-0622 EA	License To Enable BACnet Field Panel Web Server (PXC-36) Or Web Services (PXC-16/24) (Siemens LSM-FPWEB).....1,661.55	
23 09 23 53-0623 EA	License To Enable 4 TX-I/O Modules On the Island Bus On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-IB36.A) .....1,428.35	
23 09 23 53-0624 EA	License To Enable SNMP Agent License To Enable SNMP Agent (Siemens LSM-SNMP) .....4,222.85	
23 09 23 53-0625 EA	16-Switch HOA Upgrade Kit (Siemens PXA16-M) .....673.24	2.17
23 09 23 53-0626 EA	16-Switch HOA Upgrade Kit (Extended Temp, UL 916) With HMI Cable (Siemens PXA16-MR) .....751.16	8.69
23 09 23 53-0627 EA	8-Switch HOA Upgrade Kit (Siemens PXA8-M) .....381.44	2.17
23 09 23 53-0628 EA	18" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC18).....425.00	21.71
23 09 23 53-0629 EA	19" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC19).....705.06	21.71
23 09 23 53-0630 EA	34" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC34).....951.01	21.71
23 09 23 53-0631 EA	Serial Cable Required For HOA Or PXM10T/S Connection To Non-Rooftop Variants Of The 16-Point And 24-Point Compact Series (Siemens PXA-HMI.CABLEPS).....35.21	10.86
23 09 23 53-0632 EA	115 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB115V192VA).....883.16	54.28
23 09 23 53-0633 EA	115 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB115V384VA).....1,283.94	54.28

23 Heating, Ventilating, and Air-Conditioning (HVAC)
23 09 Instrumentation and Control for HVAC
23 09 23 Direct-Digital Control System for HVAC



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

Table with 5 columns: Item ID, UOM, Description, Total Direct Unit Cost, and Demolition Unit Cost. Rows include items like 23 09 23 53-0634 EA 230 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box...

23 09 23 53-0667 Trane Controls (23 09 23 53)

23 09 23 53-0668 Software (23 09 23 53-0667)

Note: Excludes programming, set-up and commissioning of application.

Table with 5 columns: Item ID, UOM, Description, Total Direct Unit Cost, and Demolition Unit Cost. Rows include Summit + Building Management Package, Summit Current Version Software, etc.

23 09 23 53-0674 EMCS Central Equipment And Controllers (23 09 23 53-0667)

Table with 5 columns: Item ID, UOM, Description, Total Direct Unit Cost, and Demolition Unit Cost. Rows include Summit BTMX Operator Display Upgrade, Summit BTMX Retrofit Kit, AHU Controller, FCU Controller, etc.

23 09 23 53-0701 Network, VAV And Special Sensors (23 09 23 53-0667)

Table with 5 columns: Item ID, UOM, Description, Total Direct Unit Cost, and Demolition Unit Cost. Rows include Digital Display Zone Sensor, Single Setpoint Wall Mounted Zone Temperature Sensor.



23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 09 Instrumentation and Control for HVAC

23 09 23 Direct-Digital Control System for HVAC



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 09 23 53-0777		Transformers <small>(23 09 23 53-0737)</small>		
23 09 23 53-0778	EA	50 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X050CBA) .....	126.79	34.74
23 09 23 53-0779	EA	75 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X075CAB) .....	137.80	34.74
23 09 23 53-0780	EA	75 VA, 120/208/240/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X075CBA) .....	137.80	34.74
23 09 23 53-0781	EA	100 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X100CAB) .....	147.76	34.74
23 09 23 53-0782	EA	100 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X100CBA) .....	153.89	34.74

23 09 23 53-0783		Power Supplies <small>(23 09 23 53-0737)</small>		
23 09 23 53-0784	EA	Solid Core Current Operated Switch, Terminals, Adjustable Trip, 0.5-150A, SPST (Kele RIBXKTA) .....	188.69	34.74
23 09 23 53-0785	EA	AC/DC Power Supply, 1.2 Amperes At 24 Volt Output (Kele DCPA-1.2) .....	219.23	34.74
23 09 23 53-0786	EA	DC Power Supply, 5 Volt DC And 24 Volt DC Output (Kele DCP-524) .....	205.47	34.74
23 09 23 53-0787	EA	DC Power Supply, 24 Volt DC, DIN Rail Mounted (Kele DCP-250-D) .....	211.98	34.74
23 09 23 53-0788	EA	DC Power Supply, 24 Volt DC, Hub Mounted (Kele DCP-250-H) .....	206.18	34.74
23 09 23 53-0789	EA	DC Power Supply, 24 Volt DC, Panel Mounted (Kele DCP-250-P) .....	215.89	34.74
23 09 23 53-0790	EA	DC Power Supply, 24 Volt AC In To Custom DC Out, At 1.5 Amperes (Kele DCP-1.5-W-C) .....	162.45	34.74

23 09 23 53-0791		Control Damper Actuators <small>(23 09 23 53-0737)</small>		
23 09 23 53-0792	EA	44 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non Spring Return Direct Coupled Control Damper Actuator (Belimo LMB24-SR) .....	472.08	94.33
23 09 23 53-0793	EA	90 IN-LB, 24 Volt AC/DC, 4-20mA, 2-10 Volt DC, Proportional Control, Non Spring Return Direct Coupled Control Damper Actuator (Belimo NMB24-SR) .....	508.70	94.33
23 09 23 53-0794	EA	90 IN-LB, 2 Position, 24 To 240 Volt AC Spring Return Direct Coupled Control Damper Actuator (Belimo NFBUP) .....	568.68	94.33
23 09 23 53-0795	EA	175 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo AMB24-SR) .....	597.34	94.33
23 09 23 53-0796	EA	90 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Spring Return Direct Coupled Control Damper Actuator (Belimo NFB24-SR) .....	614.35	94.33
23 09 23 53-0797	EA	360 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo GMB24-SR) .....	681.22	94.33

23 09 43 Pneumatic Control System For HVAC (23 09)

23 09 43 00-0001 Pneumatic Tubing For HVAC Instrumentation and Control Devices (23 09 43)

23 09 43 00-0002		Polyurethane Pneumatic Tubing <small>(23 09 43 00-0001)</small>		
23 09 43 00-0003	LF	1/4" Outside Diameter x 1/32" Thick Wall Polyurethane Pneumatic Tubing .....	2.26	0.91
23 09 43 00-0004	LF	5/32" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing .....	2.82	0.94
23 09 43 00-0005	LF	3/8" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing .....	3.62	0.96
23 09 43 00-0006	LF	1/2" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing .....	4.55	0.99

23 09 43 00-0007		Fire Resistant Polyethylene Pneumatic Tubing <small>(23 09 43 00-0001)</small>		
23 09 43 00-0008	LF	1/4" Outside Diameter x .040" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing .....	2.04	0.91
23 09 43 00-0009	LF	5/32" Outside Diameter x .030" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing .....	2.18	0.94
23 09 43 00-0010	LF	3/8" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing .....	2.47	0.96
23 09 43 00-0011	LF	1/2" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing .....	3.03	0.99

23 09 43 00-0012		Nylon Pneumatic Tubing <small>(23 09 43 00-0001)</small>		
23 09 43 00-0013	LF	1/8" Outside Diameter x .016" Thick Wall Nylon Pneumatic Tubing .....	2.37	0.88
23 09 43 00-0014	LF	1/4" Outside Diameter x .035" Thick Wall Nylon Pneumatic Tubing .....	3.09	0.91
23 09 43 00-0015	LF	3/8" Outside Diameter x .050" Thick Wall Nylon Pneumatic Tubing .....	4.56	0.96
23 09 43 00-0016	LF	1/2" Outside Diameter x .062" Thick Wall Nylon Pneumatic Tubing .....	5.80	0.99

23 09 43 00-0017		Flexible Vinyl Pneumatic Tubing <small>(23 09 43 00-0001)</small>		
23 09 43 00-0018	LF	1/4" Outside Diameter Flexible Vinyl Pneumatic Tubing .....	2.33	0.91
23 09 43 00-0019	LF	3/8" Outside Diameter Flexible Vinyl Pneumatic Tubing .....	3.65	0.96
23 09 43 00-0020	LF	1/2" Outside Diameter Flexible Vinyl Pneumatic Tubing .....	4.36	0.99
23 09 43 00-0021	LF	5/8" Outside Diameter Flexible Vinyl Pneumatic Tubing .....	5.27	1.02
23 09 43 00-0022	LF	3/4" Outside Diameter Flexible Vinyl Pneumatic Tubing .....	5.94	1.04
23 09 43 00-0023	LF	1" Outside Diameter Flexible Vinyl Pneumatic Tubing .....	8.06	1.07

23 09 43 00-0024		Braided Vinyl Pneumatic Tubing <small>(23 09 43 00-0001)</small>		
23 09 43 00-0025	LF	5/8" Outside Diameter Braided Vinyl Pneumatic Tubing .....	3.11	1.02
23 09 43 00-0026	LF	3/4" Outside Diameter Braided Vinyl Pneumatic Tubing .....	3.59	1.04
23 09 43 00-0027	LF	1" Outside Diameter Braided Vinyl Pneumatic Tubing .....	4.43	1.07

23 09 43 00-0028		Copper Pneumatic Tubing <small>(23 09 43 00-0001)</small>		
23 09 43 00-0029	LF	1/4" Outside Diameter Copper Pneumatic Tubing .....	4.88	1.95
23 09 43 00-0030	LF	3/8" Outside Diameter Copper Pneumatic Tubing .....	5.90	2.25
23 09 43 00-0031	LF	1/2" Outside Diameter Copper Pneumatic Tubing .....	6.84	2.59
23 09 43 00-0032	LF	5/8" Outside Diameter Copper Pneumatic Tubing .....	8.39	2.98
23 09 43 00-0033	LF	3/4" Outside Diameter Copper Pneumatic Tubing .....	9.55	3.43

23 09 43 00-0034 Brass Couplings (23 09 43 00-0001)  
See CSI section 22 11 16 00-0368 for copper tubing.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 09 43 00-0035</b> <b>Straight Brass Couplings</b> <small>(23 09 43 00-0034)</small> Note: Barb x Barb		
23 09 43 00-0036 EA 1/4" x 1/4" Straight Brass Coupling.....	10.57	4.94
23 09 43 00-0037 EA 3/8" x 1/4" Straight Brass Coupling.....	10.69	4.94
23 09 43 00-0038 EA 3/8" x 3/8" Straight Brass Coupling.....	10.80	4.94
<b>23 09 43 00-0039</b> <b>Elbow Brass Couplings</b> <small>(23 09 43 00-0034)</small> Note: Barb x Barb		
23 09 43 00-0040 EA 1/4" x 1/4" Elbow Brass Coupling .....	11.22	4.94
23 09 43 00-0041 EA 3/8" x 3/8" Elbow Brass Coupling .....	11.61	4.94
<b>23 09 43 00-0042</b> <b>Tee Brass Couplings</b> <small>(23 09 43 00-0034)</small> Note: Barb x Barb		
23 09 43 00-0043 EA 1/4" x 1/4" x 1/4" Tee Brass Coupling.....	17.14	7.68
23 09 43 00-0044 EA 3/8" x 3/8" x 1/4" Tee Brass Coupling.....	19.64	8.22
23 09 43 00-0045 EA 3/8" x 3/8" x 3/8" Tee Brass Coupling.....	19.22	8.22
<b>23 10 Facility Fuel Systems</b> <small>(23)</small>		
<b>23 11 Facility Fuel Piping</b> <small>(23 10)</small>		
<b>23 11 23 Facility Natural-Gas Piping</b> <small>(23 11)</small>		
<b>23 11 23 00-0001</b> <b>Corrugated Stainless Steel Tubing (CSST), Flexible Gas Piping</b> <small>(23 11 23)</small>		
<b>23 11 23 00-0002</b> <b>Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe</b> <small>(23 11 23 00-0001)</small> Note: Includes UV resistant polyethylene jacket. Excludes fittings and pipe hangers.		
23 11 23 00-0003 LF 3/8" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	5.58	1.92
23 11 23 00-0004 LF 1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	6.13	2.08
23 11 23 00-0005 LF 3/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	7.30	2.25
23 11 23 00-0006 LF 1" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	9.15	2.38
23 11 23 00-0007 LF 1-1/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	10.73	2.50
23 11 23 00-0008 LF 1-1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	16.11	2.60
23 11 23 00-0009 LF 2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	21.70	2.77
<b>23 11 23 00-0010</b> <b>Fittings And Accessories For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe</b> <small>(23 11 23 00-0001)</small>		
<b>23 11 23 00-0011</b> <b>Male Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe</b> <small>(23 11 23 00-0010)</small>		
23 11 23 00-0012 EA 3/8" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	26.75	
23 11 23 00-0013 EA 3/8" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	26.75	
23 11 23 00-0014 EA 1/2" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	28.66	
23 11 23 00-0015 EA 1/2" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	28.66	
23 11 23 00-0016 EA 3/4" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	34.21	
23 11 23 00-0017 EA 1" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	46.48	
23 11 23 00-0018 EA 1" x 1", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	46.48	
23 11 23 00-0019 EA 1-1/4" x 1-1/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	77.66	
23 11 23 00-0020 EA 1-1/2" x 1-1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	140.49	
23 11 23 00-0021 EA 2" x 2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	226.21	
<b>23 11 23 00-0022</b> <b>Female Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe</b> <small>(23 11 23 00-0010)</small>		
23 11 23 00-0023 EA 3/8" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	25.95	
23 11 23 00-0024 EA 1/2" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	28.66	
23 11 23 00-0025 EA 1/2" x 3/8", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	28.66	
23 11 23 00-0026 EA 3/4" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	34.21	
23 11 23 00-0027 EA 3/4" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	34.21	
23 11 23 00-0028 EA 1" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	44.53	
23 11 23 00-0029 EA 1" x 1", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	44.53	
<b>23 11 23 00-0030</b> <b>Reducing Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe</b> <small>(23 11 23 00-0010)</small>		
23 11 23 00-0031 EA 3/4" x 1/2", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	34.68	
23 11 23 00-0032 EA 1" x 3/4", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	45.24	
<b>23 11 23 00-0033</b> <b>Couplings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe</b> <small>(23 11 23 00-0010)</small>		

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23 11 23 00-0034	EA	3/8" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	35.38
23 11 23 00-0035	EA	1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	39.17
23 11 23 00-0036	EA	3/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	48.84
23 11 23 00-0037	EA	1" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	69.30
23 11 23 00-0038	EA	1-1/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	128.10
23 11 23 00-0039	EA	1-1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	248.15
23 11 23 00-0040	EA	2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	410.69
<b>23 11 23 00-0041</b>		<b>Tees For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11</b>	
		<b>23 00-0010)</b>	
23 11 23 00-0042	EA	1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	49.04
23 11 23 00-0043	EA	3/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	77.59
23 11 23 00-0044	EA	1" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	121.57
23 11 23 00-0045	EA	1-1/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	207.41
23 11 23 00-0046	EA	1-1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	222.92
23 11 23 00-0047	EA	2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	255.64
<b>23 11 23 00-0048</b>		<b>Indoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST),</b>	
		<b>Flexible Gas Pipe (23 11 23 00-0010)</b>	
23 11 23 00-0049	EA	3/8" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	31.92
23 11 23 00-0050	EA	1/2" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	33.05
23 11 23 00-0051	EA	3/4" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	35.91
23 11 23 00-0052	EA	1" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	47.77
23 11 23 00-0053	EA	1" x 1", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	48.44
<b>23 11 23 00-0054</b>		<b>Outdoor Termination Fittings For Corrugated Stainless Steel Tubing</b>	
		<b>(CSST), Flexible Gas Pipe (23 11 23 00-0010)</b>	
23 11 23 00-0055	EA	3/8" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	35.02
23 11 23 00-0056	EA	1/2" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	36.02
23 11 23 00-0057	EA	3/4" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	42.20
23 11 23 00-0058	EA	1" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	49.54
23 11 23 00-0059	EA	1" x 1", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	49.54
<b>23 11 23 00-0060</b>		<b>Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel</b>	
		<b>Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)</b>	
23 11 23 00-0061	EA	3/8" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	56.57
23 11 23 00-0062	EA	1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	58.01
23 11 23 00-0063	EA	3/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	60.74
23 11 23 00-0064	EA	1" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	94.13
23 11 23 00-0065	EA	1-1/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	97.66
23 11 23 00-0066	EA	1-1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	139.00
23 11 23 00-0067	EA	2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	171.86
<b>23 11 23 00-0068</b>		<b>Outdoor Floor Flange Termination Assembly For Corrugated Stainless</b>	
		<b>Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)</b>	
23 11 23 00-0069	EA	3/8" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	59.57
23 11 23 00-0070	EA	1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	60.95
23 11 23 00-0071	EA	3/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	66.91
23 11 23 00-0072	EA	1" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	117.74
23 11 23 00-0073	EA	1-1/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	121.48
23 11 23 00-0074	EA	1-1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	165.54
23 11 23 00-0075	EA	2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	207.82
<b>23 11 23 00-0076</b>		<b>Indoor Bracket Termination Assembly For Corrugated Stainless Steel</b>	
		<b>Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)</b>	
23 11 23 00-0077	EA	1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	34.02
23 11 23 00-0078	EA	3/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	36.69
23 11 23 00-0079	EA	1" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	54.84
23 11 23 00-0080	EA	1-1/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	83.39
23 11 23 00-0081	EA	1-1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	160.02
23 11 23 00-0082	EA	2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	253.49

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23 11 23 00-0083		<b>Stub-Outs For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe</b> <small>(23 11 23 00-0010)</small> Note: Includes mounting plate.		
23 11 23 00-0084	EA	1/2" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	29.40	
23 11 23 00-0085	EA	3/4" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	32.01	
23 11 23 00-0086	EA	1/2" Fireplace Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	29.43	
23 11 23 00-0087	EA	1/2" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	29.52	
23 11 23 00-0088	EA	3/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	30.81	
23 11 23 00-0089	EA	1" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	36.40	
23 11 23 00-0090	EA	1-1/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	43.54	
23 11 23 00-0091		<b>Flush Mount Gas Valve Kits For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe</b> <small>(23 11 23 00-0010)</small> Note: Includes flush fitting plastic valve box and 90 degree brass shut-off valve.		
23 11 23 00-0092	EA	1/2" x 1/2", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	82.55	20.19
23 11 23 00-0093	EA	3/4" x 3/4", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	92.95	21.20
23 11 23 00-0094		<b>Shut-Off Valves For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe</b> <small>(23 11 23 00-0010)</small>		
23 11 23 00-0095	EA	3/8" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	59.82	17.67
23 11 23 00-0096	EA	1/2" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	69.69	21.00
23 11 23 00-0097	EA	3/4" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	85.40	25.24
23 11 23 00-0098	EA	1" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	107.22	33.72
23 11 23 00-0099		<b>Manifolds For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe</b> <small>(23 11 23 00-0010)</small> Note: Includes mounting hardware.		
23 11 23 00-0100	EA	1/2" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	73.34	21.00
23 11 23 00-0101	EA	3/4" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	83.49	25.24
23 11 23 00-0102	EA	1/2" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	78.28	21.00
23 11 23 00-0103	EA	3/4" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	86.69	25.24
23 11 23 00-0104	EA	2" x 1-1/2" Inlet, Four 1" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	168.09	63.10
23 11 23 00-0105		<b>Pressure Regulators For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe</b> <small>(23 11 23 00-0010)</small>		
23 11 23 00-0106	EA	1/2" Port, 250 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	77.34	21.00
23 11 23 00-0107	EA	1/2" Port, 355 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	77.34	21.00
23 11 23 00-0108	EA	1/2" Port, 425 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	106.89	21.00
23 11 23 00-0109	EA	3/4" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	115.30	25.24
23 11 23 00-0110	EA	3/4" Port, 810 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	115.30	25.24
23 11 23 00-0111	EA	1" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	132.12	33.72
23 11 23 00-0112	EA	1-1/4" Port, 1,000 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	195.29	37.86
23 11 23 00-0113	EA	1/2" Port, 200 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	101.66	21.00
23 11 23 00-0114	EA	3/4" Port, 425 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	249.13	25.24
23 11 23 00-0115	EA	1-1/4" Port, 900 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	601.46	37.86
23 11 23 00-0116		<b>Polymer Coated Stainless Steel, Flexible Gas Appliance Connectors (Brass Craft)</b> <small>(23 11 23)</small>		
23 11 23 00-0117		<b>3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)</b> <small>(23 11 23 00-0116)</small>		
23 11 23 00-0118	EA	12" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-12).....	47.40	15.15
23 11 23 00-0119	EA	18" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-18).....	52.52	16.15
23 11 23 00-0120	EA	24" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-24).....	57.43	16.15
23 11 23 00-0121	EA	30" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-30).....	60.42	17.16
23 11 23 00-0122	EA	36" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-36).....	64.29	17.16
23 11 23 00-0123	EA	48" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-48).....	73.34	18.17
23 11 23 00-0124	EA	60" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-60).....	81.54	18.17
23 11 23 00-0125	EA	72" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-72).....	89.63	19.18
23 11 23 00-0126		<b>3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)</b> <small>(23 11 23 00-0116)</small>		

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23 11 23 00-0127	EA	12" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-12).....	47.40	15.15
23 11 23 00-0128	EA	18" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-18).....	52.52	16.15
23 11 23 00-0129	EA	24" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-24).....	57.43	16.15
23 11 23 00-0130	EA	30" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-30).....	60.42	17.16
23 11 23 00-0131	EA	36" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-36).....	64.29	17.16
23 11 23 00-0132	EA	48" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-48).....	73.34	18.17
23 11 23 00-0133	EA	60" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-60).....	81.54	18.17
23 11 23 00-0134	EA	72" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-72).....	89.63	19.18
<b>23 11 23 00-0135</b>		<b>3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)</b>		
23 11 23 00-0136	EA	12" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-12).....	47.40	15.15
23 11 23 00-0137	EA	18" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-18).....	52.52	16.15
23 11 23 00-0138	EA	24" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-24).....	57.43	16.15
23 11 23 00-0139	EA	30" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-30).....	60.42	17.16
23 11 23 00-0140	EA	36" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-36).....	64.29	17.16
23 11 23 00-0141	EA	48" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-48).....	73.34	18.17
23 11 23 00-0142	EA	60" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-60).....	81.54	18.17
23 11 23 00-0143	EA	72" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-72).....	89.63	19.18
<b>23 11 23 00-0144</b>		<b>3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)</b>		
23 11 23 00-0145	EA	12" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-12).....	47.40	15.15
23 11 23 00-0146	EA	18" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-18).....	52.52	16.15
23 11 23 00-0147	EA	24" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-24).....	70.43	16.15
23 11 23 00-0148	EA	30" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-30).....	60.42	17.16
23 11 23 00-0149	EA	36" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-36).....	64.29	17.16
23 11 23 00-0150	EA	48" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-48).....	73.34	18.17
23 11 23 00-0151	EA	60" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-60).....	81.54	18.17
23 11 23 00-0152	EA	72" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-72).....	89.63	19.18
<b>23 11 23 00-0153</b>		<b>3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)</b>		
23 11 23 00-0154	EA	12" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-12).....	52.41	15.15
23 11 23 00-0155	EA	18" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-18).....	58.74	16.15
23 11 23 00-0156	EA	24" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-24).....	57.43	16.15
23 11 23 00-0157	EA	30" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-30).....	68.36	17.16
23 11 23 00-0158	EA	36" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-36).....	64.29	17.16
23 11 23 00-0159	EA	48" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-48).....	73.34	18.17
23 11 23 00-0160	EA	60" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-60).....	81.54	18.17
23 11 23 00-0161	EA	72" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-72).....	89.63	19.18
<b>23 11 23 00-0162</b>		<b>3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)</b>		
23 11 23 00-0163	EA	12" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-12).....	47.40	15.15
23 11 23 00-0164	EA	24" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-24).....	64.79	16.15
23 11 23 00-0165	EA	30" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-30).....	60.42	17.16

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0166	EA		36" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-36).....	64.29	17.16
23 11 23 00-0167	EA		48" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-48).....	73.34	18.17
23 11 23 00-0168	EA		60" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-60).....	94.79	18.17
23 11 23 00-0169	EA		72" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-72).....	89.63	19.18
<b>23 11 23 00-0170</b>			<b>3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small></b>		
23 11 23 00-0171	EA		12" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-12).....	47.40	15.15
23 11 23 00-0172	EA		18" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-18).....	52.52	16.15
23 11 23 00-0173	EA		24" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-24).....	57.43	16.15
23 11 23 00-0174	EA		30" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-30).....	60.42	17.16
23 11 23 00-0175	EA		36" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-36).....	64.29	17.16
23 11 23 00-0176	EA		48" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-48).....	73.34	18.17
23 11 23 00-0177	EA		60" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-60).....	81.54	18.17
23 11 23 00-0178	EA		72" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-72).....	89.63	19.18
<b>23 11 23 00-0179</b>			<b>3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small></b>		
23 11 23 00-0180	EA		12" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-12).....	47.40	15.15
23 11 23 00-0181	EA		18" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-18).....	52.52	16.15
23 11 23 00-0182	EA		24" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-24).....	57.43	16.15
23 11 23 00-0183	EA		30" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-30).....	60.42	17.16
23 11 23 00-0184	EA		36" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-36).....	64.29	17.16
23 11 23 00-0185	EA		48" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-48).....	73.34	18.17
23 11 23 00-0186	EA		60" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-60).....	81.54	18.17
23 11 23 00-0187	EA		72" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-72).....	89.63	19.18
<b>23 11 23 00-0188</b>			<b>3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small></b>		
23 11 23 00-0189	EA		18" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-18).....	58.74	16.15
23 11 23 00-0190	EA		24" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-24).....	57.43	16.15
23 11 23 00-0191	EA		30" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-30).....	68.36	17.16
23 11 23 00-0192	EA		36" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-36).....	73.08	17.16
23 11 23 00-0193	EA		48" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-48).....	84.50	18.17
<b>23 11 23 00-0194</b>			<b>1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small></b>		
23 11 23 00-0195	EA		12" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-12).....	47.40	15.15
23 11 23 00-0196	EA		18" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-18).....	52.52	16.15
23 11 23 00-0197	EA		24" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-24).....	52.22	16.15
23 11 23 00-0198	EA		30" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-30).....	60.42	17.16
23 11 23 00-0199	EA		36" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-36).....	58.07	17.16
23 11 23 00-0200	EA		48" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-48).....	75.24	18.17
23 11 23 00-0201	EA		60" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-60).....	81.54	18.17
23 11 23 00-0202	EA		72" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-72).....	89.63	19.18
<b>23 11 23 00-0203</b>			<b>1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small></b>		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0204	EA		12" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-12).....	47.40	15.15
23 11 23 00-0205	EA		18" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-18).....	48.28	16.15
23 11 23 00-0206	EA		24" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-24).....	49.35	16.15
23 11 23 00-0207	EA		30" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-30).....	60.42	17.16
23 11 23 00-0208	EA		36" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-36).....	64.29	17.16
23 11 23 00-0209	EA		48" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-48).....	65.22	18.17
23 11 23 00-0210	EA		60" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-60).....	81.54	18.17
23 11 23 00-0211	EA		72" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-72).....	89.63	19.18
<b>23 11 23 00-0212</b>			<b>1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)</b>		
23 11 23 00-0213	EA		12" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-12).....	47.40	15.15
23 11 23 00-0214	EA		18" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-18).....	52.52	16.15
23 11 23 00-0215	EA		24" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-24).....	57.43	16.15
23 11 23 00-0216	EA		30" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-30).....	60.42	17.16
23 11 23 00-0217	EA		36" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-36).....	53.75	17.16
23 11 23 00-0218	EA		48" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-48).....	73.34	18.17
23 11 23 00-0219	EA		60" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-60).....	81.54	18.17
23 11 23 00-0220	EA		72" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-72).....	89.63	19.18
<b>23 11 23 00-0221</b>			<b>3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)</b>		
23 11 23 00-0222	EA		12" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-12).....	65.25	15.15
23 11 23 00-0223	EA		18" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-18).....	70.33	16.15
23 11 23 00-0224	EA		24" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-24).....	75.24	16.15
23 11 23 00-0225	EA		30" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-30).....	78.21	17.16
23 11 23 00-0226	EA		36" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-36).....	82.25	17.16
23 11 23 00-0227	EA		48" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-48).....	90.74	18.17
23 11 23 00-0228	EA		60" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-60).....	99.66	18.17
23 11 23 00-0229	EA		72" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-72).....	107.78	19.18
<b>23 11 23 00-0230</b>			<b>3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)</b>		
23 11 23 00-0231	EA		12" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-12).....	75.35	20.19
23 11 23 00-0232	EA		18" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-18).....	80.43	21.20
23 11 23 00-0233	EA		24" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-24).....	85.33	21.20
23 11 23 00-0234	EA		30" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-30).....	88.30	22.21
23 11 23 00-0235	EA		36" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-36).....	92.34	22.21
23 11 23 00-0236	EA		48" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-48).....	100.84	23.22
23 11 23 00-0237	EA		60" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-60).....	109.76	23.22
23 11 23 00-0238	EA		72" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-72).....	117.88	24.23
<b>23 11 23 00-0239</b>			<b>3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)</b>		
23 11 23 00-0240	EA		12" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-12).....	75.35	20.19
23 11 23 00-0241	EA		18" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-18).....	80.43	21.20
23 11 23 00-0242	EA		24" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-24).....	85.33	21.20

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
23 11 23 00-0243	EA	30" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CS5C4J-30).....	88.30	22.21
23 11 23 00-0244	EA	36" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CS5C4J-36).....	92.34	22.21
23 11 23 00-0245	EA	48" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CS5C4J-48).....	100.84	23.22
23 11 23 00-0246	EA	60" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CS5C4J-60).....	109.76	23.22
23 11 23 00-0247	EA	72" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CS5C4J-72).....	117.88	24.23
<b>23 11 23 00-0248 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <sup>(23 11 23 00-0116)</sup></b>				
23 11 23 00-0249	EA	12" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CS5C4J-12).....	89.85	20.19
23 11 23 00-0250	EA	18" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CS5C4J-18).....	94.94	21.20
23 11 23 00-0251	EA	24" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CS5C4J-24).....	99.84	21.20
23 11 23 00-0252	EA	30" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CS5C4J-30).....	102.81	22.21
23 11 23 00-0253	EA	36" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CS5C4J-36).....	106.87	22.21
23 11 23 00-0254	EA	48" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CS5C4J-48).....	115.36	23.22
23 11 23 00-0255	EA	60" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CS5C4J-60).....	124.28	23.22
<b>23 11 23 00-0256 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <sup>(23 11 23 00-0116)</sup></b>				
23 11 23 00-0257	EA	12" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CS5C2P-12).....	89.85	20.19
23 11 23 00-0258	EA	18" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CS5C2P-18).....	94.94	21.20
23 11 23 00-0259	EA	24" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CS5C2P-24).....	99.84	21.20
23 11 23 00-0260	EA	36" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CS5C2P-36).....	106.87	22.21
23 11 23 00-0261	EA	48" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CS5C2P-48).....	115.36	23.22
23 11 23 00-0262	EA	60" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CS5C2P-60).....	124.28	23.22
<b>23 11 23 00-0263 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <sup>(23 11 23 00-0116)</sup></b>				
23 11 23 00-0264	EA	12" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CS5C4P-12).....	89.85	20.19
23 11 23 00-0265	EA	18" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CS5C4P-18).....	94.94	21.20
23 11 23 00-0266	EA	24" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CS5C4P-24).....	99.84	21.20
23 11 23 00-0267	EA	30" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CS5C4P-30).....	102.81	22.21
23 11 23 00-0268	EA	36" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CS5C4P-36).....	106.87	22.21
23 11 23 00-0269	EA	48" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CS5C4P-48).....	115.36	23.22
23 11 23 00-0270	EA	60" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CS5C4P-60).....	124.28	23.22
23 11 23 00-0271	EA	72" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CS5C4P-72).....	132.39	24.23
<b>23 11 23 00-0272 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <sup>(23 11 23 00-0116)</sup></b>				
23 11 23 00-0273	EA	12" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CS5C4K-12).....	71.52	20.19
23 11 23 00-0274	EA	18" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CS5C4K-18).....	76.63	21.20
23 11 23 00-0275	EA	24" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CS5C4K-24).....	81.55	21.20
23 11 23 00-0276	EA	30" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CS5C4K-30).....	84.48	22.21
23 11 23 00-0277	EA	36" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CS5C4K-36).....	88.54	22.21
23 11 23 00-0278	EA	48" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CS5C4K-48).....	97.01	23.22
23 11 23 00-0279	EA	72" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CS5C4K-72).....	114.02	24.23
<b>23 11 23 00-0280 1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <sup>(23 11 23 00-0116)</sup></b>				

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0281	EA		18" Length, 1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC5K-18).....	86.95	21.20
23 11 23 00-0282	EA		24" Length, 1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC5K-24).....	93.01	21.20
<b>23 11 23 00-0283 Quarter-Turn, Gas Ball Valve</b> <small>(23 11 23)</small>					
23 11 23 00-0284	EA		3/8" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top™ T-3000 102-102).....	42.04	10.75
23 11 23 00-0285	EA		1/2" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-103).....	41.71	10.96
23 11 23 00-0286	EA		3/4" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-104).....	60.82	12.06
23 11 23 00-0287	EA		3/8" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-112).....	41.60	10.75
23 11 23 00-0288	EA		1/2" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-113).....	43.79	10.96
23 11 23 00-0289	EA		1/2" Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-118).....	49.93	10.96
23 11 23 00-0290	EA		5/8" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-121).....	53.47	11.51
23 11 23 00-0291	EA		5/8" (7/8"-14) Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-114).....	56.60	11.51
23 11 23 00-0292	EA		5/8" (15/16"-16) Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-115).....	56.60	11.51
23 11 23 00-0293	EA		3/8" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-312).....	43.94	10.75
23 11 23 00-0294	EA		1/2" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-313).....	46.13	10.96
23 11 23 00-0295	EA		5/8" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-314).....	58.25	11.51
23 11 23 00-0296	EA		1/2" FIP x 1/8" Texas Pattern, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-413).....	46.44	10.96
23 11 23 00-0297	EA		3/4" FIP x 1/8" Texas Pattern, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-414).....	62.58	12.06
23 11 23 00-0298	EA		3/8" (9/16"-24) Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-119).....	43.82	10.75
23 11 23 00-0299	EA		3/8" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-612).....	41.29	10.75
23 11 23 00-0300	EA		1/2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-613).....	41.69	10.96
23 11 23 00-0301	EA		3/4" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-614).....	57.45	12.06
23 11 23 00-0302	EA		1" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-615).....	79.36	13.70
23 11 23 00-0303	EA		1-1/4" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-616).....	116.11	14.25
23 11 23 00-0304	EA		1-1/2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-617).....	138.67	16.44
23 11 23 00-0305	EA		2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-618).....	172.25	19.73
23 11 23 00-0306	EA		1/2" Flathead, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3002 102-713).....	43.05	10.96
23 11 23 00-0307	EA		3/4" Flathead, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3002 102-714).....	57.04	12.06
<b>23 11 23 00-0308 Gas Stops</b> <small>(23 11 23)</small>					
<b>23 11 23 00-0309 Brass/Bronze Gas Stops</b> <small>(23 11 23 00-0309)</small>					
Note: Flat or square head					
23 11 23 00-0310	EA		3/8" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	49.92	10.96
23 11 23 00-0311	EA		1/2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	49.97	10.96
23 11 23 00-0312	EA		3/4" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	65.59	12.06
23 11 23 00-0313	EA		1" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	92.23	13.70
23 11 23 00-0314	EA		1-1/4" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	122.70	14.58
23 11 23 00-0315	EA		1-1/2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	154.60	16.88
23 11 23 00-0316	EA		2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	214.43	19.95
<b>23 11 23 00-0317 Iron Body Gas Stops</b> <small>(23 11 23 00-0308)</small>					
23 11 23 00-0318	EA		1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	67.37	10.96
23 11 23 00-0319	EA		3/4" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	82.70	12.06
23 11 23 00-0320	EA		1" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	102.55	13.70
23 11 23 00-0321	EA		1-1/4" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	132.73	14.58
23 11 23 00-0322	EA		1-1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	167.19	16.88
23 11 23 00-0323	EA		2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	217.29	19.95
23 11 23 00-0324	EA		2-1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	421.64	26.96
23 11 23 00-0325	EA		3" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	565.91	31.29
<b>23 11 23 00-0326 Bronze Body Solenoid Valves, 150 PSI Gas</b> <small>(23 11 23)</small>					
23 11 23 00-0327	EA		1/4" Solenoid Valve, Bronze, 150 PSI, Gas.....	172.55	10.96
23 11 23 00-0328	EA		1/2" Solenoid Valve, Bronze, 150 PSI, Gas.....	201.19	10.96
23 11 23 00-0329	EA		3/4" Solenoid Valve, Bronze, 150 PSI, Gas.....	256.18	12.06
23 11 23 00-0330	EA		1" Solenoid Valve, Bronze, 150 PSI, Gas.....	384.31	13.70
23 11 23 00-0331	EA		1-1/2" Solenoid Valve, Bronze, 150 PSI, Gas.....	687.30	16.88
23 11 23 00-0332	EA		2" Solenoid Valve, Bronze, 150 PSI, Gas.....	1,169.82	19.95
23 11 23 00-0333	EA		2-1/2" Solenoid Valve, Bronze, 150 PSI, Gas.....	1,449.27	26.96
23 11 23 00-0334	EA		3" Solenoid Valve, Bronze, 150 PSI, Gas.....	2,183.81	31.29
<b>23 11 26 Facility Liquefied-Petroleum Gas Piping</b> <small>(23 11)</small>					
<b>23 11 26 00-0001 Fiberglass Reinforced Plastic Pipe And Fittings</b> <small>(23 11 26)</small>					
<b>23 11 26 00-0002 Fiberglass Reinforced Plastic Pipe</b> <small>(23 11 26 00-0001)</small>					
Note: For double containment fiberglass pipe, select both outer containment pipe size and inner containment pipe size (add modifier for use as inner pipe).					
23 11 26 00-0003	LF		2" Fiberglass Reinforced Plastic Pipe.....	18.49	7.27
For Use As Inner Pipe In Double Wall Pipe System, Deduct				-8.14	
23 11 26 00-0004	LF		3" Fiberglass Reinforced Plastic Pipe.....	22.17	8.69
For Use As Inner Pipe In Double Wall Pipe System, Deduct				-9.77	
23 11 26 00-0005	LF		4" Fiberglass Reinforced Plastic Pipe.....	29.68	12.82
For Use As Inner Pipe In Double Wall Pipe System, Deduct				-14.39	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0006	LF		5" Fiberglass Reinforced Plastic Pipe..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	34.70 -16.21	14.74
23 11 26 00-0007	LF		6" Fiberglass Reinforced Plastic Pipe..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	40.40 -18.54	16.46
23 11 26 00-0008	LF		8" Fiberglass Reinforced Plastic Pipe..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	53.67 -21.43	19.07
23 11 26 00-0009	LF		10" Fiberglass Reinforced Plastic Pipe..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	70.68 -25.55	22.68
23 11 26 00-0010	LF		12" Fiberglass Reinforced Plastic Pipe..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	167.57 -32.14	28.56
<b>23 11 26 00-0011</b>			<b>Fiberglass Reinforced Plastic Fittings</b> (23 11 26 00-0001)		
<b>23 11 26 00-0012</b>			<b>Fiberglass Reinforced Plastic Flanged 90 Degree Elbows</b> (23 11 26 00-0011)		
23 11 26 00-0013	EA		2" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	146.54 -81.41	72.38
23 11 26 00-0014	EA		3" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	173.32 -97.70	86.92
23 11 26 00-0015	EA		4" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	206.70 -113.50	100.95
23 11 26 00-0016	EA		5" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	246.45 -124.46	112.82
23 11 26 00-0017	EA		6" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	295.42 -142.34	126.58
23 11 26 00-0018	EA		8" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	417.97 -177.92	158.18
23 11 26 00-0019	EA		10" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	534.18 -214.27	190.54
23 11 26 00-0020	EA		12" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	1,243.84 -265.69	236.27
<b>23 11 26 00-0021</b>			<b>Fiberglass Reinforced Plastic Flanged 45 Degree Elbows</b> (23 11 26 00-0011)		
23 11 26 00-0022	EA		2" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	146.82 -81.41	72.38
23 11 26 00-0023	EA		3" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	173.41 -97.70	86.92
23 11 26 00-0024	EA		4" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	206.99 -113.58	101.05
23 11 26 00-0025	EA		5" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	257.21 -132.50	120.04
23 11 26 00-0026	EA		6" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	295.32 -142.34	126.58
23 11 26 00-0027	EA		8" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	417.97 -177.92	158.18
23 11 26 00-0028	EA		10" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	944.32 -214.27	190.54
23 11 26 00-0029	EA		12" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	1,243.84 -265.69	236.27
<b>23 11 26 00-0030</b>			<b>Fiberglass Reinforced Plastic Flanged Tees</b> (23 11 26 00-0011)		
23 11 26 00-0031	EA		2" Fiberglass Reinforced Plastic Flanged Tee..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	299.74 -122.12	108.63
23 11 26 00-0032	EA		3" Fiberglass Reinforced Plastic Flanged Tee..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	370.32 -147.08	130.84
23 11 26 00-0033	EA		4" Fiberglass Reinforced Plastic Flanged Tee..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	421.82 -170.38	151.53
23 11 26 00-0034	EA		5" Fiberglass Reinforced Plastic Flanged Tee..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	533.21 -198.83	180.00
23 11 26 00-0035	EA		6" Fiberglass Reinforced Plastic Flanged Tee..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	627.17 -214.27	190.54
23 11 26 00-0036	EA		8" Fiberglass Reinforced Plastic Flanged Tee..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	788.56 -265.69	236.27
23 11 26 00-0037	EA		10" Fiberglass Reinforced Plastic Flanged Tee..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	1,252.08 -321.40	285.80
23 11 26 00-0038	EA		12" Fiberglass Reinforced Plastic Flanged Tee..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	1,669.96 -390.71	347.48
<b>23 11 26 00-0039</b>			<b>Fiberglass Reinforced Plastic Flanged Wyes</b> (23 11 26 00-0011)		
23 11 26 00-0040	EA		2" Fiberglass Reinforced Plastic Flanged Wye..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	392.42 -122.12	108.63
23 11 26 00-0041	EA		3" Fiberglass Reinforced Plastic Flanged Wye..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	502.71 -146.90	130.64
23 11 26 00-0042	EA		4" Fiberglass Reinforced Plastic Flanged Wye..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	590.29 -170.36	151.53
23 11 26 00-0043	EA		5" Fiberglass Reinforced Plastic Flanged Wye..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	676.66 -198.83	180.00
23 11 26 00-0044	EA		6" Fiberglass Reinforced Plastic Flanged Wye..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	745.62 -214.27	190.54
23 11 26 00-0045	EA		8" Fiberglass Reinforced Plastic Flanged Wye..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	975.89 -265.69	236.27
23 11 26 00-0046	EA		10" Fiberglass Reinforced Plastic Flanged Wye..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	1,488.36 -321.40	285.80
23 11 26 00-0047	EA		12" Fiberglass Reinforced Plastic Flanged Wye..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	1,927.53 -390.71	347.48

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

		UNIT COST	DEMOLITION UNIT COST
<b>23 11 26 00-0048</b>	<b>Fiberglass Reinforced Plastic Flanged Concentric Reducers</b> (23 11 26 00-0011)		
23 11 26 00-0049	EA 2" Fiberglass Reinforced Plastic Flanged Concentric Reducer.....	224.56	72.38
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-81.41	
23 11 26 00-0050	EA 3" Fiberglass Reinforced Plastic Flanged Concentric Reducer.....	290.22	86.92
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-97.70	
23 11 26 00-0051	EA 4" Fiberglass Reinforced Plastic Flanged Concentric Reducer.....	318.94	101.05
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-113.58	
23 11 26 00-0052	EA 5" Fiberglass Reinforced Plastic Flanged Concentric Reducer.....	370.24	120.04
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-132.50	
23 11 26 00-0053	EA 6" Fiberglass Reinforced Plastic Flanged Concentric Reducer.....	409.37	126.58
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-142.34	
23 11 26 00-0054	EA 8" Fiberglass Reinforced Plastic Flanged Concentric Reducer.....	543.31	158.18
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-177.92	
23 11 26 00-0055	EA 10" Fiberglass Reinforced Plastic Flanged Concentric Reducer.....	693.15	190.54
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-214.27	
23 11 26 00-0056	EA 12" Fiberglass Reinforced Plastic Flanged Concentric Reducer.....	944.54	236.27
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-265.69	
<b>23 11 26 00-0057</b>	<b>Fiberglass Reinforced Plastic Bell x Male Or Female Adapters</b> (23 11 26 00-0011)		
23 11 26 00-0058	EA 2" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter.....	183.15	72.38
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-81.41	
23 11 26 00-0059	EA 3" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter.....	211.12	86.92
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-97.70	
23 11 26 00-0060	EA 4" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter.....	239.92	101.05
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-113.58	
23 11 26 00-0061	EA 4" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter.....	292.83	120.04
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-132.50	
23 11 26 00-0062	EA 6" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter.....	333.63	126.58
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-142.34	
23 11 26 00-0063	EA 8" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter.....	334.62	158.18
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-177.92	
23 11 26 00-0064	EA 10" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter.....	425.65	190.54
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-214.27	
23 11 26 00-0065	EA 12" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter.....	658.58	236.27
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-265.69	
<b>23 11 26 00-0066</b>	<b>Fiberglass Reinforced Plastic Nipples</b> (23 11 26 00-0011)		
23 11 26 00-0067	EA 2" x 6" Fiberglass Reinforced Plastic Nipple.....	33.62	8.69
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-9.77	
23 11 26 00-0068	EA 2" x 12" Fiberglass Reinforced Plastic Nipple.....	67.17	17.36
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-19.49	
23 11 26 00-0069	EA 3" x 8" Fiberglass Reinforced Plastic Nipple.....	109.99	13.32
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-14.99	
23 11 26 00-0070	EA 3" x 12" Fiberglass Reinforced Plastic Nipple.....	127.28	17.75
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-19.95	
23 11 26 00-0071	EA 4" x 8" Fiberglass Reinforced Plastic Nipple.....	118.14	12.62
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-14.24	
23 11 26 00-0072	EA 4" x 12" Fiberglass Reinforced Plastic Nipple.....	142.87	18.98
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-21.35	
23 11 26 00-0073	EA 6" x 12" Fiberglass Reinforced Plastic Nipple.....	177.02	21.26
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-23.48	
23 11 26 00-0074	EA 6" x 12" Fiberglass Reinforced Plastic Nipple.....	211.15	22.77
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-25.64	
23 11 26 00-0075	EA 8" x 18" Fiberglass Reinforced Plastic Nipple.....	113.99	26.57
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-29.89	
23 11 26 00-0076	EA 8" x 24" Fiberglass Reinforced Plastic Nipple.....	155.74	37.96
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-42.67	
23 11 26 00-0077	EA 10" x 18" Fiberglass Reinforced Plastic Nipple.....	188.55	27.04
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-30.38	
23 11 26 00-0078	EA 10" x 24" Fiberglass Reinforced Plastic Nipple.....	283.00	40.42
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-45.50	
23 11 26 00-0079	EA 12" x 18" Fiberglass Reinforced Plastic Nipple.....	219.57	27.90
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-31.33	
23 11 26 00-0080	EA 12" x 24" Fiberglass Reinforced Plastic Nipple.....	288.21	41.75
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-47.00	
<b>23 11 26 00-0081</b>	<b>Fiberglass Reinforced Plastic Sleeve Couplings</b> (23 11 26 00-0011)		
23 11 26 00-0082	EA 2" Fiberglass Reinforced Plastic Sleeve Coupling.....	127.47	72.38
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-81.41	
23 11 26 00-0083	EA 3" Fiberglass Reinforced Plastic Sleeve Coupling.....	153.30	86.92
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-97.70	
23 11 26 00-0084	EA 4" Fiberglass Reinforced Plastic Sleeve Coupling.....	177.37	101.05
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-113.58	
23 11 26 00-0085	EA 5" Fiberglass Reinforced Plastic Sleeve Coupling.....	212.52	120.04
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-132.50	
23 11 26 00-0086	EA 6" Fiberglass Reinforced Plastic Sleeve Coupling.....	235.54	126.58
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-142.34	
23 11 26 00-0087	EA 8" Fiberglass Reinforced Plastic Sleeve Coupling.....	304.34	158.18
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-177.92	
23 11 26 00-0088	EA 10" Fiberglass Reinforced Plastic Sleeve Coupling.....	387.90	190.54
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-214.27	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0089	EA		12" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	474.76 -265.69	236.27
<b>23 11 26 00-0090</b>			<b>Fiberglass Reinforced Plastic Flanges</b> <small>(23 11 26 00-0011)</small>		
23 11 26 00-0091	EA		2" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	129.83 -81.41	72.38
23 11 26 00-0092	EA		3" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	156.43 -97.70	86.92
23 11 26 00-0093	EA		4" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	177.47 -106.56	94.79
23 11 26 00-0094	EA		5" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	213.50 -124.54	112.82
23 11 26 00-0095	EA		6" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	249.27 -142.34	126.58
23 11 26 00-0096	EA		8" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	307.93 -170.31	151.44
23 11 26 00-0097	EA		10" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	409.25 -214.27	190.54
23 11 26 00-0098	EA		12" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	560.19 -265.69	236.27
<b>23 11 26 00-0099</b>			<b>Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing And Fittings</b> <small>(23 11 26)</small>		
<b>23 11 26 00-0100</b>			<b>Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing</b> <small>(23 11 26 00-0099)</small>		
23 11 26 00-0101	LF		2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	105.98	31.19
23 11 26 00-0102	LF		3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	126.28	36.95
23 11 26 00-0103	LF		4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	163.25	54.51
23 11 26 00-0104	LF		6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	227.70	70.67
23 11 26 00-0105	LF		8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	317.13	81.60
23 11 26 00-0106	LF		10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	429.31	96.79
23 11 26 00-0107	LF		12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	548.18	122.12
<b>23 11 26 00-0108</b>			<b>Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Fittings</b> <small>(23 11 26 00-0099)</small>		
<b>23 11 26 00-0109</b>			<b>Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbows</b> <small>(23 11 26 00-0108)</small>		
23 11 26 00-0110	EA		2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	1,835.60	386.05
23 11 26 00-0111	EA		3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	2,119.16	463.38
23 11 26 00-0112	EA		4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	2,639.37	538.49
23 11 26 00-0113	EA		6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	4,507.35	674.94
23 11 26 00-0114	EA		8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	7,245.81	843.84
23 11 26 00-0115	EA		10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	9,744.09	1,015.21
23 11 26 00-0116	EA		12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	12,990.09	1,257.17
<b>23 11 26 00-0117</b>			<b>Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbows</b> <small>(23 11 26 00-0108)</small>		
23 11 26 00-0118	EA		2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	1,838.34	386.05
23 11 26 00-0119	EA		3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	2,114.36	463.38
23 11 26 00-0120	EA		4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	2,635.61	538.49
23 11 26 00-0121	EA		6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	4,485.20	674.94
23 11 26 00-0122	EA		8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	7,213.74	843.84
23 11 26 00-0123	EA		10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	9,700.70	1,015.69
23 11 26 00-0124	EA		12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	12,934.82	1,260.02
<b>23 11 26 00-0125</b>			<b>Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tees</b> <small>(23 11 26 00-0108)</small>		
23 11 26 00-0126	EA		2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	2,568.19	579.08
23 11 26 00-0127	EA		3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	3,209.49	697.90
23 11 26 00-0128	EA		4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	3,628.58	808.14
23 11 26 00-0129	EA		6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	5,763.48	1,016.16
23 11 26 00-0130	EA		8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	7,281.76	1,260.02
23 11 26 00-0131	EA		10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	12,508.27	1,522.48
23 11 26 00-0132	EA		12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	17,034.46	1,845.96

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

<b>23 11 26 00-0133</b>		<b>Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wyes</b> <small>(23 11 26 00-0108)</small>			
23 11 26 00-0134	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye .....	3,718.89	579.08	
23 11 26 00-0135	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye .....	4,855.15	697.09	
23 11 26 00-0136	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye .....	5,720.66	808.14	
23 11 26 00-0137	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye .....	7,234.28	1,016.16	
23 11 26 00-0138	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye .....	9,607.76	1,260.02	
23 11 26 00-0139	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	15,442.12	1,522.48	
23 11 26 00-0140	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	20,232.52	1,845.96	
<b>23 11 26 00-0141</b>		<b>Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducers</b> <small>(23 11 26 00-0108)</small>			
23 11 26 00-0142	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer .....	2,019.23	386.05	
23 11 26 00-0143	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer .....	2,680.71	463.38	
23 11 26 00-0144	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer .....	2,887.15	538.49	
23 11 26 00-0145	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer .....	3,738.53	674.94	
23 11 26 00-0146	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer .....	5,065.78	843.84	
23 11 26 00-0147	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer .....	6,581.30	1,015.21	
23 11 26 00-0148	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer .....	9,214.22	1,257.17	
<b>23 11 26 00-0149</b>		<b>Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapters</b> <small>(23 11 26 00-0108)</small>			
23 11 26 00-0150	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter .....	1,504.97	386.05	
23 11 26 00-0151	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter .....	1,698.60	463.38	
23 11 26 00-0152	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter .....	1,905.98	538.49	
23 11 26 00-0153	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter .....	2,798.09	674.94	
23 11 26 00-0154	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter .....	2,474.59	843.84	
23 11 26 00-0155	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter .....	3,259.91	1,015.21	
23 11 26 00-0156	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter .....	5,663.65	1,257.17	
<b>23 11 26 00-0157</b>		<b>Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipples</b> <small>(23 11 26 00-0108)</small>			
23 11 26 00-0158	EA	2" x 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple .....	325.19	46.34	
23 11 26 00-0159	EA	2" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple .....	650.01	92.47	
23 11 26 00-0160	EA	3" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple .....	1,224.15	71.07	
23 11 26 00-0161	EA	3" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple .....	1,391.97	94.61	
23 11 26 00-0162	EA	4" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple .....	1,332.41	67.47	
23 11 26 00-0163	EA	4" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple .....	1,572.40	101.25	
23 11 26 00-0164	EA	6" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple .....	2,379.58	121.65	
23 11 26 00-0165	EA	8" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple .....	1,133.11	141.77	
23 11 26 00-0166	EA	8" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple .....	1,530.84	202.39	
23 11 26 00-0167	EA	10" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple .....	2,054.27	144.04	
23 11 26 00-0168	EA	10" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple .....	2,084.15	215.78	
23 11 26 00-0169	EA	12" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple .....	2,430.36	148.60	
23 11 26 00-0170	EA	12" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple .....	3,134.72	222.89	
<b>23 11 26 00-0171</b>		<b>Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanges</b> <small>(23 11 26 00-0108)</small>			
23 11 26 00-0172	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	1,197.16	505.38	
23 11 26 00-0173	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	1,750.63	674.94	
23 11 26 00-0174	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	2,215.10	807.89	
23 11 26 00-0175	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	3,056.31	1,015.21	
23 11 26 00-0176	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	4,441.94	1,257.17	

**23 12 Facility Fuel Pumps** (23 10)**23 12 13 Facility Fuel-Oil Pumps** (23 12)**23 12 13 00-0001 Cast Iron Internal Gear Rotary Pump** (23 12 13)

Note: Heavy duty type with relief valve, 1150 RPM drip-proof motor, common base plate. For viscosity to 20 centipoise; diesel oil, and light oil.

**23 12 13 00-0002 10 GPM 1" Discharge** (23 12 13 00-0001)

23 12 13 00-0003	EA	10 GPM Cast Iron Rotary Pump, 20 PSI 1/2 HP With 1" Discharge .....	1,489.06	292.93	
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 12 13 00-0004	EA		10 GPM Cast Iron Rotary Pump, 40 PSI 3/4 HP With 1" Discharge.....	1,560.66	354.55
23 12 13 00-0005	EA		10 GPM Cast Iron Rotary Pump, 60 PSI 1 HP With 1" Discharge.....	1,707.38	421.23
<b>23 12 13 00-0006</b>			<b>25 GPM 1-1/4" Discharge</b> <small>(23 12 13 00-0001)</small>		
23 12 13 00-0007	EA		25 GPM Cast Iron Rotary Pump, 20 PSI 1 HP With 1-1/4" Discharge.....	1,598.81	292.93
23 12 13 00-0008	EA		25 GPM Cast Iron Rotary Pump, 40 PSI 1.5 HP With 1-1/4" Discharge.....	1,682.93	354.55
23 12 13 00-0009	EA		25 GPM Cast Iron Rotary Pump, 60 PSI 2 HP With 1-1/4" Discharge.....	1,766.86	421.23
<b>23 12 13 00-0010</b>			<b>Pump, Fuel Oil, 2 Stage 3450 RPM 100 PSI</b> <small>(23 12 13)</small>		
23 12 13 00-0011	EA		1/4 HP Pump Fuel Oil/Diesel.....	1,116.84	164.14
23 12 13 00-0012	EA		1/3 HP Pump Fuel Oil/Diesel.....	1,312.74	183.85
23 12 13 00-0013	EA		1/2 HP Pump Fuel Oil/Diesel.....	1,435.47	206.07
23 12 13 00-0014	EA		3/4 HP Pump Fuel Oil/Diesel.....	1,566.30	232.33
23 12 13 00-0015	EA		1 HP Pump Fuel Oil/Diesel.....	2,200.65	258.60
23 12 13 00-0016	EA		1-1/2 HP Pump Fuel Oil/Diesel.....	2,690.54	289.40
23 12 13 00-0017	EA		2 HP Pump Fuel Oil/Diesel.....	2,981.78	324.25
23 12 13 00-0018	EA		3 HP Pump Fuel Oil/Diesel.....	3,634.43	362.64
23 12 13 00-0019	EA		5 HP Pump Fuel Oil/Diesel.....	4,283.41	406.58
23 12 13 00-0020	EA		7.5 HP Pump Fuel Oil/Diesel.....	4,795.90	456.08
23 12 13 00-0021	EA		10 HP Pump Fuel Oil/Diesel.....	5,377.04	511.22
<b>23 12 16</b>			<b>Facility Gasoline Dispensing Pumps</b> <small>(23 12)</small>		
<b>23 12 16 00-0001</b>			<b>Unloading Hose And Accessories</b> <small>(23 12 16)</small>		
<b>23 12 16 00-0002</b>			<b>Hoses With Braided Rayon Cord, Neoprene Cover, And End Couplings</b> <small>(23 12 16 00-0001)</small>		
<b>23 12 16 00-0003</b>			<b>Two Braid Hose x 25'</b> <small>(23 12 16 00-0002)</small>		
23 12 16 00-0004	EA		3/4" x 1-3/4", 2-Braid Hose, 25' Long Rayon Cord, Neoprene Cover And End Couplings.....	267.75	40.92
23 12 16 00-0005	EA		1" x 1-1/2", 2-Braid Hose, 25' Long Rayon Cord, Neoprene Cover And End Couplings.....	309.68	40.92
23 12 16 00-0006	EA		1-1/4" x 1-3/4", 2-Braid Hose, 25' Long Rayon Cord, Neoprene Cover And End Couplings.....	426.62	40.92
<b>23 12 16 00-0007</b>			<b>Two Braid Hose x 50'</b> <small>(23 12 16 00-0002)</small>		
23 12 16 00-0008	EA		3/4" x 1-3/4", 2-Braid Hose, 50' Long Rayon Cord, Neoprene Cover And End Couplings.....	533.61	82.86
23 12 16 00-0009	EA		1" x 1-1/2", 2-Braid Hose, 50' Long Rayon Cord, Neoprene Cover And End Couplings.....	615.63	82.86
23 12 16 00-0010	EA		1-1/4" x 1-3/4", 2-Braid Hose, 50' Long Rayon Cord, Neoprene Cover And End Couplings.....	852.05	82.86
<b>23 12 16 00-0011</b>			<b>Three Braid Hose x 25'</b> <small>(23 12 16 00-0002)</small>		
23 12 16 00-0012	EA		1-1/2" x 2-3/32", 3-Braid Hose, 25' Long Rayon Cord, Neoprene Cover And End Couplings.....	644.54	40.92
23 12 16 00-0013	EA		2" x 2-21/32", 3-Braid Hose, 25' Long Rayon Cord, Neoprene Cover And End Couplings.....	801.12	55.24
23 12 16 00-0014	EA		2-1/2" x 3-3/16", 3-Braid Hose, 25' Long Rayon Cord, Neoprene Cover And End Couplings.....	1,123.22	68.54
23 12 16 00-0015	EA		3" x 3-3/4", 3-Braid Hose, 25' Long Rayon Cord, Neoprene Cover And End Couplings.....	1,409.55	82.86
<b>23 12 16 00-0016</b>			<b>Three Braid Hose x 50'</b> <small>(23 12 16 00-0002)</small>		
23 12 16 00-0017	EA		1-1/2" x 2-3/32", 3-Braid Hose, 50' Long Rayon Cord, Neoprene Cover And End Couplings.....	1,154.42	82.86
23 12 16 00-0018	EA		2" x 2-21/32", 3-Braid Hose, 50' Long Rayon Cord, Neoprene Cover And End Couplings.....	1,417.02	109.46
23 12 16 00-0019	EA		2-1/2" x 3-3/16", 3-Braid Hose, 50' Long Rayon Cord, Neoprene Cover And End Couplings.....	1,904.18	138.10
23 12 16 00-0020	EA		3" x 3-3/4", 3-Braid Hose, 50' Long Rayon Cord, Neoprene Cover And End Couplings.....	2,323.02	164.69
<b>23 12 16 00-0021</b>			<b>Tank Car Unloading Hose Assemblies</b> <small>(23 12 16 00-0001)</small>		
<b>23 12 16 00-0022</b>			<b>Flexible Galvanized Hose Assemblies</b> <small>(23 12 16 00-0021)</small>		
			Note: Each end includes a female coupling.		
23 12 16 00-0023	EA		2" Inside Diameter x 10' Flexible Galvanized Hose Assembly With Female Coupling Each End.....	611.65	96.15
23 12 16 00-0024	EA		2-1/2" Inside Diameter x 10' Flexible Galvanized Hose Assembly With Female Coupling Each End.....	739.75	96.15
23 12 16 00-0025	EA		3" Inside Diameter x 10' Flexible Galvanized Hose Assembly With Female Coupling Each End.....	870.97	96.15
23 12 16 00-0026	EA		4" Inside Diameter x 10' Flexible Galvanized Hose Assembly With Female Coupling Each End.....	1,383.34	96.15
<b>23 12 16 00-0027</b>			<b>Standard Gas Station Pumps</b> <small>(23 12 16)</small>		
<b>23 12 16 00-0028</b>			<b>Gasoline Pumps</b> <small>(23 12 16 00-0027)</small>		
			Note: With polished stainless steel dial frame, stainless steel nozzle side panel. Four wheel, self-timing meter, cable retractor, 120 mesh cartridge strainer (60 mesh for diesel fuels). Internal gear pump, reverse flow air separator, 1/2" connector. High speed pump, 3/4 H.P. motor, 1" hose and standard nozzle.		
23 12 16 00-0029	EA		Standard Gas Station Pump, 3/4 HP Motor 1" Hose And Standard Nozzle.....	5,574.74	818.36
<b>23 12 16 00-0030</b>			<b>Gasoline Pumps With Vapor Recovery System</b> <small>(23 12 16 00-0027)</small>		
			Note: With polished stainless steel dial frame, stainless steel nozzle side panel. Four wheel, self-timing meter, cable retractor, 120 mesh cartridge strainer (60 mesh for diesel fuels). Internal gear pump, reverse flow air separator, 1/2" connector. High speed pump, 3/4 H.P. motor, 1" hose and standard nozzle.		
23 12 16 00-0031	EA		Standard Gas Station Pump, 3/4 HP Motor 1" Hose And Standard Nozzle With Vapor Recovery.....	11,166.09	1,227.54
<b>23 12 23</b>			<b>Facility Natural-Gas Pumps</b> <small>(23 12)</small>		
<b>23 12 23 00-0001</b>			<b>Natural Gas Booster Pump</b> <small>(23 12 23)</small>		
23 12 23 00-0002	EA		Natural Gas Booster Pump, 3/4" Outlet Size.....	1,019.71	151.52

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 10 Facility Fuel Systems****23 12 Facility Fuel Pumps**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 12 23 00-0003	EA	Natural Gas Booster Pump, 1" Outlet Size .....	1,207.81	169.19
23 12 23 00-0004	EA	Natural Gas Booster Pump, 1-1/4" Outlet Size .....	1,352.16	176.77
23 12 23 00-0005	EA	Natural Gas Booster Pump, 1-1/2" Outlet Size .....	1,531.76	184.35
23 12 23 00-0006	EA	Natural Gas Booster Pump, 2" Outlet Size .....	1,729.86	189.40

**23 13 Facility Fuel-Storage Tanks (23 10)****23 13 13 Facility Underground Fuel-Oil, Storage Tanks (23 13)****23 13 13 13 Double-Wall Steel, Underground Fuel-Oil, Storage Tanks (23 13 13)****23 13 13 13-0001 Coated Underground Double Wall Storage Tanks (23 13 13 13)**

Note: Includes setting in place with hold down bars and manway and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes excavation, pad, plastic lining, pumps and piping.

23 13 13 13-0002	EA	250 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	13,866.33	684.95
23 13 13 13-0003	EA	550 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	14,978.08	684.95
23 13 13 13-0004	EA	1,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	21,636.44	856.13
23 13 13 13-0005	EA	2,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	29,659.62	1,672.23
23 13 13 13-0006	EA	3,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	47,196.92	2,149.89
23 13 13 13-0007	EA	4,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	52,583.06	2,469.21
23 13 13 13-0008	EA	5,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	56,796.89	3,264.81
23 13 13 13-0009	EA	6,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	58,740.05	3,505.34
23 13 13 13-0010	EA	8,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	71,682.91	4,141.12
23 13 13 13-0011	EA	10,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	83,017.73	4,776.47
23 13 13 13-0012	EA	12,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	106,149.68	5,252.64
23 13 13 13-0013	EA	14,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	125,846.63	6,377.55
23 13 13 13-0014	EA	15,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	130,001.21	6,768.24
23 13 13 13-0015	EA	20,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	159,648.81	10,735.83
23 13 13 13-0016	EA	25,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	196,242.74	13,921.75
23 13 13 13-0017	EA	30,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	231,192.22	15,929.02
23 13 13 13-0018	EA	40,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	297,156.34	17,123.69
23 13 13 13-0019	EA	48,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	402,251.83	17,562.80

**23 13 13 23 Glass-Fiber-Reinforced-Plastic, Underground Fuel-Oil, Storage Tanks (23 13 13)****23 13 13 23-0001 Underground Fiberglass Storage Tanks (23 13 13 23)****23 13 13 23-0002 Single Wall Fiberglass Underground Storage Tanks (23 13 13 23-0001)**

Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1,000 gallon, 4 each: all others 6 each. Excludes excavation and backfill.

23 13 13 23-0003	EA	550 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	3,379.42	684.95
23 13 13 23-0004	EA	1,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	4,243.89	856.13
23 13 13 23-0005	EA	2,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	5,516.77	1,059.28
23 13 13 23-0006	EA	2,500 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	6,284.07	1,290.25
23 13 13 23-0007	EA	3,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	7,045.90	1,513.26
23 13 13 23-0008	EA	4,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	8,602.50	1,991.13
23 13 13 23-0009	EA	5,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	10,393.22	3,026.52
23 13 13 23-0010	EA	6,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	11,837.74	3,822.96
23 13 13 23-0011	EA	8,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	14,135.73	4,300.83
23 13 13 23-0012	EA	10,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	15,974.94	5,097.28
23 13 13 23-0013	EA	12,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	20,457.17	6,053.02
23 13 13 23-0014	EA	15,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	25,201.04	7,566.28
23 13 13 23-0015	EA	20,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	31,910.15	10,114.93
23 13 13 23-0016	EA	25,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	47,157.30	12,583.92
23 13 13 23-0017	EA	30,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	57,677.61	15,132.56
23 13 13 23-0018	EA	40,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	82,497.65	21,902.39
23 13 13 23-0019	EA	50,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	116,733.70	27,875.78

**23 13 13 23-0020 Double Wall Fiberglass Underground Storage Tanks (23 13 13 23-0001)**

Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1,000 gallon, 4 each: all others 6 each. Excludes excavation and backfill.

23 13 13 23-0021	EA	550 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps .....	6,397.31	684.95
23 13 13 23-0022	EA	1,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps .....	8,421.75	856.13
23 13 13 23-0023	EA	2,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps .....	10,099.21	1,035.39
23 13 13 23-0024	EA	3,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps .....	13,167.66	1,513.37
23 13 13 23-0025	EA	4,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps .....	14,851.80	1,991.13
23 13 13 23-0026	EA	5,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps .....	17,263.20	3,026.52
23 13 13 23-0027	EA	6,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps .....	19,319.90	3,822.96
23 13 13 23-0028	EA	8,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps .....	23,658.48	4,300.83
23 13 13 23-0029	EA	10,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps .....	25,497.68	5,097.28
23 13 13 23-0030	EA	12,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps .....	30,830.16	6,053.02
23 13 13 23-0031	EA	15,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps .....	42,248.45	7,566.28
23 13 13 23-0032	EA	20,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps .....	52,486.08	10,114.93
23 13 13 23-0033	EA	30,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps .....	80,974.33	15,132.56

**23 13 13 23-0034 Underground Storage Tank Pump Enclosures (23 13 13 23)**

23 13 13 23-0035	EA	Secondary Containment Collar .....	2,514.71	
23 13 13 23-0036	EA	Turbine Enclosure With Lid 4' Long x 42" Diameter .....	2,514.71	
23 13 13 23-0037	EA	Fitting Kit For Turbine Enclosure .....	502.94	
23 13 13 23-0038	EA	Grommet Kits For Plumbing And Electrical .....	1,005.88	
23 13 13 23-0039	EA	Turbine Electrical Coupling Kit .....	1,257.35	

MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

**23 13 23 Facility Aboveground Fuel-Oil, Storage Tanks (23 13)**
**23 13 23 13 Vertical, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)**

23 13 23 13-0001	Rectangle Double Wall Steel Fuel Day Tank (23 13 23 13)		
	Note: Includes day tank with standard equipment, pump, pump control, level control, backup level control, level alarms, alarm outputs.		
23 13 23 13-0002	EA 10 Gallon Double Wall Steel Day Tank (Tramont TRX).....	1,167.37	131.61
	Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0003	EA 15 Gallon Double Wall Steel Day Tank (Tramont TRX).....	1,253.76	138.19
	Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0004	EA 25 Gallon Double Wall Steel Day Tank (Tramont TRX).....	1,361.07	148.05
	Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0005	EA 50 Gallon Double Wall Steel Day Tank (Tramont TRX).....	1,564.38	157.93
	Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0006	EA 60 Gallon Double Wall Steel Day Tank (Tramont TRX).....	1,745.07	164.51
	Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0007	EA 75 Gallon Double Wall Steel Day Tank (Tramont TRX).....	2,057.05	197.41
	Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0008	EA 100 Gallon Double Wall Steel Day Tank (Tramont TRX).....	2,770.18	230.31
	Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0009	EA 150 Gallon Double Wall Steel Day Tank (Tramont TRX).....	3,507.32	263.21
	Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0010	EA 200 Gallon Double Wall Steel Day Tank (Tramont TRX).....	4,501.60	296.11
	Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0011	EA 275 Gallon Double Wall Steel Day Tank (Tramont TRX).....	5,017.58	329.02
	Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0012	EA 300 Gallon Double Wall Steel Day Tank (Tramont TRX).....	5,740.99	394.82
	Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0013	EA 350 Gallon Double Wall Steel Day Tank (Tramont TRX).....	6,430.10	460.62
	Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0014	EA 400 Gallon Double Wall Steel Day Tank (Tramont TRX).....	7,139.78	526.43
	Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0015	EA 450 Gallon Double Wall Steel Day Tank (Tramont TRX).....	7,924.92	559.33
	Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0016	EA 500 Gallon Double Wall Steel Day Tank (Tramont TRX).....	8,715.19	592.23
	Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0017	EA 550 Gallon Double Wall Steel Day Tank (Tramont TRX).....	9,613.48	625.13
	Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0018	EA 600 Gallon Double Wall Steel Day Tank (Tramont TRX).....	10,398.62	658.03
	Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0019	EA 700 Gallon Double Wall Steel Day Tank (Tramont TRX).....	11,577.98	789.64
	Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0020	EA 800 Gallon Double Wall Steel Day Tank (Tramont TRX).....	12,488.24	855.44
	Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0021	EA 900 Gallon Double Wall Steel Day Tank (Tramont TRX).....	13,703.60	987.04
	Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0022	EA 1,000 Gallon Double Wall Steel Day Tank (Tramont TRX).....	14,924.11	1,118.65
	Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0023	EA 10 Gallon Double Wall Steel Day Tank (Tramont UTRX).....	1,417.66	131.61
	Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0024	EA 15 Gallon Double Wall Steel Day Tank (Tramont UTRX).....	1,505.76	138.19
	Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0025	EA 25 Gallon Double Wall Steel Day Tank (Tramont UTRX).....	1,613.07	148.05
	Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0026	EA 50 Gallon Double Wall Steel Day Tank (Tramont UTRX).....	1,814.67	157.93
	Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0027	EA 60 Gallon Double Wall Steel Day Tank (Tramont UTRX).....	1,995.36	164.51
	Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0028	EA 75 Gallon Double Wall Steel Day Tank (Tramont UTRX).....	2,309.06	197.41
	Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0029	EA 100 Gallon Double Wall Steel Day Tank (Tramont UTRX).....	3,046.19	230.31
	Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0030	EA 150 Gallon Double Wall Steel Day Tank (Tramont UTRX).....	3,783.33	263.21
	Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0031	EA 200 Gallon Double Wall Steel Day Tank (Tramont UTRX).....	4,777.61	296.11
	Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0032	EA 275 Gallon Double Wall Steel Day Tank (Tramont UTRX).....	5,293.59	329.02
	Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0033	EA 300 Gallon Double Wall Steel Day Tank (Tramont UTRX).....	6,016.99	394.82
	Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0034	EA 350 Gallon Double Wall Steel Day Tank (Tramont UTRX).....	6,706.10	460.62
	Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0035	EA 400 Gallon Double Wall Steel Day Tank (Tramont UTRX).....	7,415.79	526.43
	Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0036	EA 450 Gallon Double Wall Steel Day Tank (Tramont UTRX).....	8,200.93	559.33
	Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0037	EA 500 Gallon Double Wall Steel Day Tank (Tramont UTRX).....	8,991.20	592.23
	Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0038	EA 550 Gallon Double Wall Steel Day Tank (Tramont UTRX).....	9,891.20	625.13
	Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0039	EA 600 Gallon Double Wall Steel Day Tank (Tramont UTRX).....	10,676.34	658.03
	Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0040	EA 700 Gallon Double Wall Steel Day Tank (Tramont UTRX).....	11,853.98	789.64
	Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0041	EA 800 Gallon Double Wall Steel Day Tank (Tramont UTRX).....	12,764.24	855.44
	Note: Includes rust-inhibitor coated interior and gray painted exterior.		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23	13-0042	EA	900 Gallon Double Wall Steel Day Tank (Tramont UTRX) ..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	13,979.60	987.04
23 13 23	13-0043	EA	1,000 Gallon Double Wall Steel Day Tank (Tramont UTRX) ..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	15,200.12	1,118.65
23 13 23	13-0044	EA	10 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,365.68	131.61
23 13 23	13-0045	EA	15 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,443.50	138.19
23 13 23	13-0046	EA	25 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,513.09	148.05
23 13 23	13-0047	EA	50 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,783.26	157.93
23 13 23	13-0048	EA	60 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,885.09	164.51
23 13 23	13-0049	EA	75 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,186.79	197.41
23 13 23	13-0050	EA	100 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,836.49	230.31
23 13 23	13-0051	EA	150 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,844.49	263.21
23 13 23	13-0052	EA	200 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,447.90	296.11
23 13 23	13-0053	EA	275 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,126.20	329.02
23 13 23	13-0054	EA	300 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,051.89	394.82
23 13 23	13-0055	EA	350 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,607.29	460.62
23 13 23	13-0056	EA	400 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,364.97	526.43
23 13 23	13-0057	EA	450 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,114.11	559.33
23 13 23	13-0058	EA	500 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,103.24	592.23
23 13 23	13-0059	EA	550 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,512.95	625.13
23 13 23	13-0060	EA	600 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,879.79	658.03
23 13 23	13-0061	EA	700 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	13,585.45	789.64
23 13 23	13-0062	EA	800 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	15,244.86	855.44
23 13 23	13-0063	EA	900 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	17,053.38	987.04
23 13 23	13-0064	EA	1,000 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	18,891.05	1,118.65
23 13 23	13-0065	EA	10 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,497.13	131.61
23 13 23	13-0066	EA	15 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,574.95	138.19
23 13 23	13-0067	EA	25 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,644.54	148.05
23 13 23	13-0068	EA	50 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,914.71	157.93
23 13 23	13-0069	EA	60 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,016.54	164.51
23 13 23	13-0070	EA	75 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,318.24	197.41
23 13 23	13-0071	EA	100 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,967.94	230.31
23 13 23	13-0072	EA	150 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,975.94	263.21
23 13 23	13-0073	EA	200 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	6,654.79	296.11
23 13 23	13-0074	EA	275 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,863.35	329.02
23 13 23	13-0075	EA	300 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,789.05	394.82
23 13 23	13-0076	EA	350 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,346.16	460.62
23 13 23	13-0077	EA	400 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,102.13	526.43
23 13 23	13-0078	EA	450 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,852.98	559.33
23 13 23	13-0079	EA	500 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,840.40	592.23
23 13 23	13-0080	EA	550 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,250.10	625.13
23 13 23	13-0081	EA	600 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,616.95	658.03
23 13 23	13-0082	EA	700 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	14,322.61	789.64
23 13 23	13-0083	EA	800 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	15,983.74	855.44
23 13 23	13-0084	EA	900 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	17,790.54	987.04
23 13 23	13-0085	EA	1,000 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	19,628.20	1,118.65



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0086	EA		10 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,129.71	131.61
23 13 23 13-0087	EA		15 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,216.10	138.19
23 13 23 13-0088	EA		25 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,287.41	148.05
23 13 23 13-0089	EA		50 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,566.15	157.93
23 13 23 13-0090	EA		60 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,715.98	164.51
23 13 23 13-0091	EA		75 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,990.26	197.41
23 13 23 13-0092	EA		100 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,665.67	230.31
23 13 23 13-0093	EA		150 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,721.67	263.21
23 13 23 13-0094	EA		200 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,347.37	296.11
23 13 23 13-0095	EA		275 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,090.81	329.02
23 13 23 13-0096	EA		300 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,064.50	394.82
23 13 23 13-0097	EA		350 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,566.75	460.62
23 13 23 13-0098	EA		400 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,427.30	526.43
23 13 23 13-0099	EA		450 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,334.15	559.33
23 13 23 13-0100	EA		500 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,246.14	592.23
23 13 23 13-0101	EA		550 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,705.56	625.13
23 13 23 13-0102	EA		600 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,046.69	658.03
23 13 23 13-0103	EA		700 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	15,829.49	789.64
23 13 23 13-0104	EA		800 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	17,569.48	855.44
23 13 23 13-0105	EA		900 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	19,458.57	987.04
23 13 23 13-0106	EA		1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	21,373.38	1,118.65
23 13 23 13-0107	EA		10 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,261.17	131.61
23 13 23 13-0108	EA		15 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,347.56	138.19
23 13 23 13-0109	EA		25 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,418.86	148.05
23 13 23 13-0110	EA		50 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,697.60	157.93
23 13 23 13-0111	EA		60 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,847.43	164.51
23 13 23 13-0112	EA		75 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,118.28	197.41
23 13 23 13-0113	EA		100 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,797.12	230.31
23 13 23 13-0114	EA		150 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,853.12	263.21
23 13 23 13-0115	EA		200 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	8,478.82	296.11

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 13 23 13-0116	EA	275 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,827.96	329.02
23 13 23 13-0117	EA	300 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,801.66	394.82
23 13 23 13-0118	EA	350 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,475.34	460.62
23 13 23 13-0119	EA	400 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,164.45	526.43
23 13 23 13-0120	EA	450 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,071.31	559.33
23 13 23 13-0121	EA	500 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,983.30	592.23
23 13 23 13-0122	EA	550 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,442.72	625.13
23 13 23 13-0123	EA	600 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,785.57	658.03
23 13 23 13-0124	EA	700 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	16,566.65	789.64
23 13 23 13-0125	EA	800 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	18,306.64	855.44
23 13 23 13-0126	EA	900 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	20,195.73	987.04
23 13 23 13-0127	EA	1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	22,110.54	1,118.65
23 13 23 13-0128	EA	150% Containment Double Wall Open Top Basin For 10 Gallon Tank.....	1,156.19	131.61
23 13 23 13-0129	EA	150% Containment Double Wall Open Top Basin For 15 Gallon Tank.....	1,253.14	138.19
23 13 23 13-0130	EA	150% Containment Double Wall Open Top Basin For 25 Gallon Tank.....	1,360.11	148.05
23 13 23 13-0131	EA	150% Containment Double Wall Open Top Basin For 50 Gallon Tank.....	1,555.33	157.93
23 13 23 13-0132	EA	150% Containment Double Wall Open Top Basin For 60 Gallon Tank.....	2,070.92	164.51
23 13 23 13-0133	EA	150% Containment Double Wall Open Top Basin For 75 Gallon Tank.....	2,125.76	197.41
23 13 23 13-0134	EA	150% Containment Double Wall Open Top Basin For 100 Gallon Tank.....	2,673.91	230.31
23 13 23 13-0135	EA	150% Containment Double Wall Open Top Basin For 150 Gallon Tank.....	3,310.31	263.21
23 13 23 13-0136	EA	150% Containment Double Wall Open Top Basin For 200 Gallon Tank.....	4,351.77	296.11
23 13 23 13-0137	EA	150% Containment Double Wall Open Top Basin For 275 Gallon Tank.....	5,470.16	329.02
23 13 23 13-0138	EA	150% Containment Double Wall Open Top Basin For 300 Gallon Tank.....	6,566.47	394.82
23 13 23 13-0139	EA	150% Containment Double Wall Open Top Basin For 350 Gallon Tank.....	7,054.04	460.62
23 13 23 13-0140	EA	150% Containment Double Wall Open Top Basin For 400 Gallon Tank.....	7,543.88	526.43
23 13 23 13-0141	EA	150% Containment Double Wall Open Top Basin For 450 Gallon Tank.....	8,284.38	559.33
23 13 23 13-0142	EA	150% Containment Double Wall Open Top Basin For 500 Gallon Tank.....	9,027.13	592.23
23 13 23 13-0143	EA	150% Containment Double Wall Open Top Basin For 550 Gallon Tank.....	9,672.61	625.13
23 13 23 13-0144	EA	150% Containment Double Wall Open Top Basin For 600 Gallon Tank.....	10,324.84	658.03
23 13 23 13-0145	EA	150% Containment Double Wall Open Top Basin For 700 Gallon Tank.....	11,680.15	789.64
23 13 23 13-0146	EA	150% Containment Double Wall Open Top Basin For 800 Gallon Tank.....	12,966.53	855.44
23 13 23 13-0147	EA	150% Containment Double Wall Open Top Basin For 900 Gallon Tank.....	14,398.79	987.04
23 13 23 13-0148	EA	150% Containment Double Wall Open Top Basin For 1,000 Gallon Tank.....	15,781.27	1,118.65
23 13 23 13-0149	EA	200% Containment Double Wall Open Top Basin For 10 Gallon Tank.....	1,219.20	138.19
23 13 23 13-0150	EA	200% Containment Double Wall Open Top Basin For 15 Gallon Tank.....	1,326.42	148.05
23 13 23 13-0151	EA	200% Containment Double Wall Open Top Basin For 25 Gallon Tank.....	1,438.41	157.93
23 13 23 13-0152	EA	200% Containment Double Wall Open Top Basin For 50 Gallon Tank.....	1,638.08	164.51
23 13 23 13-0153	EA	200% Containment Double Wall Open Top Basin For 60 Gallon Tank.....	2,225.58	197.41
23 13 23 13-0154	EA	200% Containment Double Wall Open Top Basin For 75 Gallon Tank.....	2,280.41	230.31
23 13 23 13-0155	EA	200% Containment Double Wall Open Top Basin For 100 Gallon Tank.....	2,855.97	263.21
23 13 23 13-0156	EA	200% Containment Double Wall Open Top Basin For 150 Gallon Tank.....	3,524.68	296.11
23 13 23 13-0157	EA	200% Containment Double Wall Open Top Basin For 200 Gallon Tank.....	4,620.95	329.02
23 13 23 13-0158	EA	200% Containment Double Wall Open Top Basin For 275 Gallon Tank.....	5,798.44	361.92
23 13 23 13-0159	EA	200% Containment Double Wall Open Top Basin For 300 Gallon Tank.....	6,949.54	427.72
23 13 23 13-0160	EA	200% Containment Double Wall Open Top Basin For 350 Gallon Tank.....	7,458.12	493.52
23 13 23 13-0161	EA	200% Containment Double Wall Open Top Basin For 400 Gallon Tank.....	7,969.08	559.33
23 13 23 13-0162	EA	200% Containment Double Wall Open Top Basin For 450 Gallon Tank.....	8,747.66	592.23
23 13 23 13-0163	EA	200% Containment Double Wall Open Top Basin For 500 Gallon Tank.....	9,528.64	625.13
23 13 23 13-0164	EA	200% Containment Double Wall Open Top Basin For 550 Gallon Tank.....	10,206.93	658.03
23 13 23 13-0165	EA	200% Containment Double Wall Open Top Basin For 600 Gallon Tank.....	10,947.18	723.84
23 13 23 13-0166	EA	200% Containment Double Wall Open Top Basin For 700 Gallon Tank.....	12,365.61	855.44
23 13 23 13-0167	EA	200% Containment Double Wall Open Top Basin For 800 Gallon Tank.....	13,827.03	987.04
23 13 23 13-0168	EA	200% Containment Double Wall Open Top Basin For 900 Gallon Tank.....	15,326.68	1,118.65
23 13 23 13-0169	EA	200% Containment Double Wall Open Top Basin For 1,000 Gallon Tank.....	16,773.77	1,250.25
23 13 23 13-0170	EA	150% Containment Double Wall Sealed Top Basin For 10 Gallon Tank.....	1,334.96	131.61
23 13 23 13-0171	EA	150% Containment Double Wall Sealed Top Basin For 15 Gallon Tank.....	1,454.54	138.19
23 13 23 13-0172	EA	150% Containment Double Wall Sealed Top Basin For 25 Gallon Tank.....	1,575.08	148.05
23 13 23 13-0173	EA	150% Containment Double Wall Sealed Top Basin For 50 Gallon Tank.....	1,815.56	157.93
23 13 23 13-0174	EA	150% Containment Double Wall Sealed Top Basin For 60 Gallon Tank.....	2,428.46	164.51
23 13 23 13-0175	EA	150% Containment Double Wall Sealed Top Basin For 75 Gallon Tank.....	2,483.30	197.41
23 13 23 13-0176	EA	150% Containment Double Wall Sealed Top Basin For 100 Gallon Tank.....	3,112.91	230.31
23 13 23 13-0177	EA	150% Containment Double Wall Sealed Top Basin For 150 Gallon Tank.....	3,855.67	263.21
23 13 23 13-0178	EA	150% Containment Double Wall Sealed Top Basin For 200 Gallon Tank.....	5,082.07	296.11

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0179 EA 150% Containment Double Wall Sealed Top Basin For 275 Gallon Tank .....	6,456.79	329.02
23 13 23 13-0180 EA 150% Containment Double Wall Sealed Top Basin For 300 Gallon Tank .....	7,754.49	394.82
23 13 23 13-0181 EA 150% Containment Double Wall Sealed Top Basin For 350 Gallon Tank .....	8,312.22	460.62
23 13 23 13-0182 EA 150% Containment Double Wall Sealed Top Basin For 400 Gallon Tank .....	8,874.47	526.43
23 13 23 13-0183 EA 150% Containment Double Wall Sealed Top Basin For 450 Gallon Tank .....	9,757.53	559.33
23 13 23 13-0184 EA 150% Containment Double Wall Sealed Top Basin For 500 Gallon Tank .....	10,642.84	592.23
23 13 23 13-0185 EA 150% Containment Double Wall Sealed Top Basin For 550 Gallon Tank .....	11,394.66	625.13
23 13 23 13-0186 EA 150% Containment Double Wall Sealed Top Basin For 600 Gallon Tank .....	12,164.58	658.03
23 13 23 13-0187 EA 150% Containment Double Wall Sealed Top Basin For 700 Gallon Tank .....	13,757.50	789.64
23 13 23 13-0188 EA 150% Containment Double Wall Sealed Top Basin For 800 Gallon Tank .....	15,283.74	855.44
23 13 23 13-0189 EA 150% Containment Double Wall Sealed Top Basin For 900 Gallon Tank .....	16,953.60	987.04
23 13 23 13-0190 EA 150% Containment Double Wall Sealed Top Basin For 1,000 Gallon Tank .....	18,573.69	1,118.65
23 13 23 13-0191 EA 200% Containment Double Wall Sealed Top Basin For 10 Gallon Tank .....	1,407.90	138.19
23 13 23 13-0192 EA 200% Containment Double Wall Sealed Top Basin For 15 Gallon Tank .....	1,539.00	148.05
23 13 23 13-0193 EA 200% Containment Double Wall Sealed Top Basin For 25 Gallon Tank .....	1,665.33	157.93
23 13 23 13-0194 EA 200% Containment Double Wall Sealed Top Basin For 50 Gallon Tank .....	1,912.77	164.51
23 13 23 13-0195 EA 200% Containment Double Wall Sealed Top Basin For 60 Gallon Tank .....	2,602.99	197.41
23 13 23 13-0196 EA 200% Containment Double Wall Sealed Top Basin For 75 Gallon Tank .....	2,657.82	230.31
23 13 23 13-0197 EA 200% Containment Double Wall Sealed Top Basin For 100 Gallon Tank .....	3,319.36	263.21
23 13 23 13-0198 EA 200% Containment Double Wall Sealed Top Basin For 150 Gallon Tank .....	4,100.34	296.11
23 13 23 13-0199 EA 200% Containment Double Wall Sealed Top Basin For 200 Gallon Tank .....	5,391.82	329.02
23 13 23 13-0200 EA 200% Containment Double Wall Sealed Top Basin For 275 Gallon Tank .....	6,839.87	361.92
23 13 23 13-0201 EA 200% Containment Double Wall Sealed Top Basin For 300 Gallon Tank .....	8,203.57	427.72
23 13 23 13-0202 EA 200% Containment Double Wall Sealed Top Basin For 350 Gallon Tank .....	8,786.20	493.52
23 13 23 13-0203 EA 200% Containment Double Wall Sealed Top Basin For 400 Gallon Tank .....	9,373.59	559.33
23 13 23 13-0204 EA 200% Containment Double Wall Sealed Top Basin For 450 Gallon Tank .....	10,302.65	592.23
23 13 23 13-0205 EA 200% Containment Double Wall Sealed Top Basin For 500 Gallon Tank .....	11,234.12	625.13
23 13 23 13-0206 EA 200% Containment Double Wall Sealed Top Basin For 550 Gallon Tank .....	12,024.65	658.03
23 13 23 13-0207 EA 200% Containment Double Wall Sealed Top Basin For 600 Gallon Tank .....	12,889.13	723.84
23 13 23 13-0208 EA 200% Containment Double Wall Sealed Top Basin For 700 Gallon Tank .....	14,558.36	855.44
23 13 23 13-0209 EA 200% Containment Double Wall Sealed Top Basin For 800 Gallon Tank .....	16,272.97	987.04
23 13 23 13-0210 EA 200% Containment Double Wall Sealed Top Basin For 900 Gallon Tank .....	18,023.43	1,118.65
23 13 23 13-0211 EA 200% Containment Double Wall Sealed Top Basin For 1,000 Gallon Tank .....	19,721.32	1,250.25

**23 13 23 16 Horizontal, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)**

**23 13 23 16-0001 Single Wall Aboveground Storage Tanks (23 13 23 16)**  
 Note: Includes cradles, supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each; all others 6 each. Excludes pumps, piping, excavation and backfill.

23 13 23 16-0002 EA 300 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	4,302.47	715.28
23 13 23 16-0003 EA 550 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	5,173.01	865.85
23 13 23 16-0004 EA 1,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	6,945.51	1,165.45
23 13 23 16-0005 EA 1,500 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	8,974.91	1,456.81
23 13 23 16-0006 EA 2,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	10,801.32	1,957.03
23 13 23 16-0007 EA 3,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	16,212.19	2,014.59
23 13 23 16-0008 EA 5,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	23,534.79	2,490.77
23 13 23 16-0009 EA 8,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	32,273.67	2,853.95
23 13 23 16-0010 EA 10,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	38,442.87	3,113.38
23 13 23 16-0011 EA 12,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	44,610.02	3,424.74
23 13 23 16-0012 EA 15,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	49,384.71	3,805.23
23 13 23 16-0013 EA 20,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	61,697.16	4,892.43
23 13 23 16-0014 EA 30,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	84,202.39	5,707.90

**23 13 23 16-0015 Double Wall Aboveground Storage Tanks (23 13 23 16)**  
 Note: Includes cradles, supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each; all others 6 each. Excludes pumps, piping, excavation and backfill.

23 13 23 16-0016 EA 300 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings .....	6,797.88	892.51
23 13 23 16-0017 EA 550 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings .....	8,169.44	1,080.04
23 13 23 16-0018 EA 1,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	10,971.07	1,456.81
23 13 23 16-0019 EA 1,500 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings .....	14,204.53	1,821.02
23 13 23 16-0020 EA 2,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	16,928.32	2,446.28
23 13 23 16-0021 EA 3,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings .....	25,955.19	2,518.16
23 13 23 16-0022 EA 5,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings .....	37,919.65	3,102.13
23 13 23 16-0023 EA 8,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	52,354.18	3,567.46
23 13 23 16-0024 EA 10,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings .....	62,531.34	3,891.78
23 13 23 16-0025 EA 12,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	72,674.31	4,280.87
23 13 23 16-0026 EA 15,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings .....	80,444.47	4,756.62
23 13 23 16-0027 EA 20,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings .....	100,418.61	6,115.57
23 13 23 16-0028 EA 30,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	137,622.46	7,134.82

**23 13 23 19 Containment-Dike, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)**

**23 13 23 19-0001 Secondary Containment For Above Ground Tanks (23 13 23 19)**

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**
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23 13 23 19-0002	EA	Steel Dike For 550 Gallon Tank, Uncoated.....	4,726.78	
23 13 23 19-0003	EA	Steel Dike For 1,000 Gallon Tank, Uncoated.....	5,711.82	
23 13 23 19-0004	EA	Steel Dike For 2,000 Gallon Tank, Uncoated.....	12,465.56	
23 13 23 19-0005	EA	Steel Dike For 3,000 Gallon Tank, Uncoated.....	13,648.98	
23 13 23 19-0006	EA	Steel Dike For 5,000 Gallon Tank, Uncoated.....	19,391.31	
23 13 23 19-0007	EA	Steel Dike For 6,000 Gallon Tank, Uncoated.....	21,724.87	
23 13 23 19-0008	EA	Steel Dike For 8,000 Gallon Tank, Uncoated.....	28,676.97	
23 13 23 19-0009	EA	Steel Dike For 10,000 Gallon Tank, Uncoated.....	33,654.95	
23 13 23 19-0010	EA	Steel Dike For 12,000 Gallon Tank, Uncoated.....	38,236.00	
23 13 23 19-0011	EA	Steel Dike For 15,000 Gallon Tank, Uncoated.....	46,558.85	
23 13 23 19-0012	EA	Steel Dike For 20,000 Gallon Tank, Uncoated.....	59,601.66	

**23 13 23 26 Concrete-Vaulted, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)****23 13 23 26-0001****Aboveground Concrete Vaulted Storage Tanks (23 13 23 26)**

Note: Includes setting in place with stand, NPT openings for an emergency vent, regular vent, gauge, fill with an internal 5 gallon minimum overflow containment, supply and return and leak detection. All tanks that are 2000 gallon and larger shall have a ladder for access. Excludes excavation, pad, pumps and piping.

23 13 23 26-0002	EA	500 Gallon Concrete Vaulted Storage Tank .....	26,292.20	1,481.29
		<i>For Low Profile Tanks, Add</i>	9,690.12	
23 13 23 26-0003	EA	1,000 Gallon Concrete Vaulted Storage Tank .....	33,107.92	1,672.23
		<i>For Low Profile Tanks, Add</i>	12,309.83	
23 13 23 26-0004	EA	2,000 Gallon Concrete Vaulted Storage Tank .....	58,711.75	1,991.13
		<i>For Low Profile Tanks, Add</i>	22,373.37	
23 13 23 26-0005	EA	4,000 Gallon Concrete Vaulted Storage Tank .....	93,060.44	4,379.52
23 13 23 26-0006	EA	5,000 Gallon Concrete Vaulted Storage Tank .....	106,308.29	4,783.16
23 13 23 26-0007	EA	6,000 Gallon Concrete Vaulted Storage Tank .....	119,641.09	5,165.46
23 13 23 26-0008	EA	8,000 Gallon Concrete Vaulted Storage Tank .....	132,951.83	5,605.21
23 13 23 26-0009	EA	10,000 Gallon Concrete Vaulted Storage Tank .....	146,255.59	5,966.48

**23 13 33 Facility Fuel-Oil, Storage Tank Accessories (23 13)****23 13 33 00-0001****EPA Requirements (23 13 33)**

23 13 33 00-0002	EA	Fill Pipe Spill Containment Manhole (5 Gallon).....	722.34	
23 13 33 00-0003	EA	Over-Fill Prevention Valve .....	1,367.74	
23 13 33 00-0004	EA	Tank Manway With Cover, Fiberglass .....	4,058.56	
23 13 33 00-0005	EA	Tank Manway With Cover, Steel .....	2,338.85	
23 13 33 00-0006	EA	Vent Fill Alarm (Whistle Vent) .....	119.05	
23 13 33 00-0007	EA	Reservoir Sensor, Liquid Level .....	306.33	
23 13 33 00-0008	EA	Manhole Spill Containment .....	1,156.08	255.74
23 13 33 00-0009	EA	Fill Adapter, 4" .....	281.18	170.53
23 13 33 00-0010	EA	Fill Cap, 4" .....	187.31	63.94
23 13 33 00-0011	EA	2" Vent Cap.....	115.43	42.65
23 13 33 00-0012	EA	4" x 2" Extractor Fitting .....	335.65	63.94
23 13 33 00-0013	EA	Float Vent Valve.....	390.80	127.87
23 13 33 00-0014	EA	Vapor Hose Adapter .....	337.89	85.21
23 13 33 00-0015	EA	Dust Cap.....	152.44	46.54
23 13 33 00-0016	EA	1" Double Poppet Foot Valve.....	447.96	73.03
23 13 33 00-0017	EA	10" Wood Gage Stick .....	37.71	
23 13 33 00-0018	EA	1-1/4" Tank Filled Breather, NPT.....	115.12	
23 13 33 00-0019	EA	1-1/2" Tank Filled Breather, Bayonet .....	151.77	
23 13 33 00-0020	EA	2" Cast Iron Combination Fill Cap And Vent .....	91.14	
23 13 33 00-0021	EA	3" Cast Iron Combination Fill Cap And Vent .....	125.99	
23 13 33 00-0022	EA	4" Cast Iron Combination Fill Cap And Vent .....	203.55	
23 13 33 00-0023	EA	Pressure And Vacuum Control Vent .....	642.21	
23 13 33 00-0024	EA	1/4 HP Fuel/Diesel Pump Set .....	1,571.83	
23 13 33 00-0025	EA	1/3 HP Fuel/Diesel Pump Set .....	1,858.76	
23 13 33 00-0026	EA	1/2 HP Fuel/Diesel Pump Set .....	2,026.25	
23 13 33 00-0027	EA	3/4 HP Fuel/Diesel Pump Set .....	2,221.37	
23 13 33 00-0028	EA	1 HP Fuel/Diesel Pump Set .....	3,173.80	
23 13 33 00-0029	EA	1-1/2 HP Fuel/Diesel Pump Set .....	3,917.60	
23 13 33 00-0030	EA	2 HP Fuel/Diesel Pump Set .....	4,337.50	
23 13 33 00-0031	EA	3 HP Fuel/Diesel Pump Set .....	5,328.61	
23 13 33 00-0032	EA	5 HP Fuel/Diesel Pump Set .....	6,306.51	
23 13 33 00-0033	EA	7.5 HP Fuel/Diesel Pump Set .....	7,059.44	
23 13 33 00-0034	EA	10 HP Fuel/Diesel Pump Set .....	8,152.40	

**23 13 33 00-0035 Tank Bulkhead Fittings (23 13 33)****23 13 33 00-0036 Tank Bulkhead Fittings (23 13 33 00-0035)****23 13 33 00-0037 Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Socket x Threaded Connection (23 13 33 00-0036)**

23 13 33 00-0038	EA	1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread .....	40.95	
23 13 33 00-0039	EA	3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread .....	45.72	
23 13 33 00-0040	EA	1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread .....	50.24	
23 13 33 00-0041	EA	1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread .....	60.18	
23 13 33 00-0042	EA	1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread .....	62.36	
23 13 33 00-0043	EA	2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread .....	80.71	
23 13 33 00-0044	EA	3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread .....	125.18	
23 13 33 00-0045	EA	4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread .....	215.06	

MINOR  
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<b>23 13 33 00-0046</b>	<b>Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Thread x Threaded Connection</b> <small>(23 13 33 00-0036)</small>		
23 13 33 00-0047	EA 1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	47.05	
23 13 33 00-0048	EA 3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	51.81	
23 13 33 00-0049	EA 1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	56.56	
23 13 33 00-0050	EA 1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	70.00	
23 13 33 00-0051	EA 1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	74.77	
23 13 33 00-0052	EA 2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	91.94	
23 13 33 00-0053	EA 3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	140.16	
23 13 33 00-0054	EA 4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	236.35	
<b>23 13 33 00-0055</b>	<b>Chlorinated Polyvinyl Chloride (CPVC) Tank Bulkhead Fittings, Socket x Threaded Connection</b> <small>(23 13 33 00-0036)</small>		
23 13 33 00-0056	EA 1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	48.44	
23 13 33 00-0057	EA 3/4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	55.80	
23 13 33 00-0058	EA 1" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	62.89	
23 13 33 00-0059	EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	80.85	
23 13 33 00-0060	EA 2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	104.57	
23 13 33 00-0061	EA 3" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	160.52	
23 13 33 00-0062	EA 4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	249.00	
<b>23 13 33 00-0063</b>	<b>Polypropylene Tank Bulkhead Fitting Thread x Threaded Connection</b> <small>(23 13 33 00-0036)</small>		
23 13 33 00-0064	EA 1/2" Polypropylene Bulkhead Fitting, Thread x Thread	56.18	
23 13 33 00-0065	EA 3/4" Polypropylene Bulkhead Fitting, Thread x Thread	66.09	
23 13 33 00-0066	EA 1" Polypropylene Bulkhead Fitting, Thread x Thread	80.90	
23 13 33 00-0067	EA 1-1/4" Polypropylene Bulkhead Fitting, Thread x Thread	98.08	
23 13 33 00-0068	EA 1-1/2" Polypropylene Bulkhead Fitting, Thread x Thread	100.27	
23 13 33 00-0069	EA 2" Polypropylene Bulkhead Fitting, Thread x Thread	141.78	
23 13 33 00-0070	EA 3" Polypropylene Bulkhead Fitting, Thread x Thread	250.37	
23 13 33 00-0071	EA 4" Polypropylene Bulkhead Fitting, Thread x Thread	443.23	
<b>23 13 33 00-0072</b>	<b>Polyethylene Tank Bulkhead Fittings Thread x Threaded Connection</b> <small>(23 13 33 00-0036)</small>		
23 13 33 00-0073	EA 3/4" Polyethylene Bulkhead Fitting, Thread x Thread	50.17	
23 13 33 00-0074	EA 1" Polyethylene Bulkhead Fitting, Thread x Thread	63.98	
23 13 33 00-0075	EA 1-1/4" Polyethylene Bulkhead Fitting, Thread x Thread	66.18	
23 13 33 00-0076	EA 1-1/2" Polyethylene Bulkhead Fitting, Thread x Thread	68.37	
23 13 33 00-0077	EA 2" Polyethylene Bulkhead Fitting, Thread x Thread	93.81	
23 13 33 00-0078	EA 3" Polyethylene Bulkhead Fitting, Thread x Thread	117.76	
<b>23 13 33 00-0079</b>	<b>TFE Teflon Tank Bulkhead Fittings, Thread x Threaded Connection</b> <small>(23 13 33 00-0036)</small>		
23 13 33 00-0080	EA 1/8" TFE Teflon Bulkhead Fitting, Thread x Thread	202.29	
23 13 33 00-0081	EA 1/4" TFE Teflon Bulkhead Fitting, Thread x Thread	231.22	
23 13 33 00-0082	EA 3/8" TFE Teflon Bulkhead Fitting, Thread x Thread	283.77	
23 13 33 00-0083	EA 1/2" TFE Teflon Bulkhead Fitting, Thread x Thread	326.91	
23 13 33 00-0084	EA 3/4" TFE Teflon Bulkhead Fitting, Thread x Thread	376.52	
23 13 33 00-0085	EA 1" TFE Teflon Bulkhead Fitting, Thread x Thread	473.65	
23 13 33 00-0086	EA 1-1/2" TFE Teflon Bulkhead Fitting, Thread x Thread	614.76	
23 13 33 00-0087	EA 2" TFE Teflon Bulkhead Fitting, Thread x Thread	679.08	
<b>23 13 33 00-0088</b>	<b>Self-Aligning Bulkhead Fittings</b> <small>(23 13 33 00-0035)</small>		
23 13 33 00-0089	EA 3/4" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	208.17	
23 13 33 00-0090	EA 1" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	208.80	
23 13 33 00-0091	EA 1-1/2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	303.55	
23 13 33 00-0092	EA 2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	310.14	
23 13 33 00-0093	EA 3" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	416.95	

## 23 20 HVAC Piping and Pumps (23)

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

### 23 21 Hydronic Piping and Pumps (23 20)

#### 23 21 13 Hydronic Piping (23 21)

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

#### 23 21 13 23 Aboveground Hydronic Piping (23 21 13)

##### 23 21 13 23-0001 Threaded Black Steel Pipe (23 21 13 23)

##### 23 21 13 23-0002 Threaded Black Steel Pipe Assemblies (23 21 13 23-0001)

Note: ASTM A-53 pipe and A-105 fittings. Threaded and coupled. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR  
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 UNIT COST UNIT COST

23 21 13 23-0003	LF	1/2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly ..... 17.84	4.04
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	4.20
		For Work In Restricted Working Space, Add	4.17
23 21 13 23-0004	LF	3/4" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly ..... 19.29	4.34
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	4.62
		For Work In Restricted Working Space, Add	4.36
23 21 13 23-0005	LF	1" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly ..... 21.07	4.75
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	5.13
		For Work In Restricted Working Space, Add	4.60
23 21 13 23-0006	LF	1-1/4" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly ..... 24.81	4.95
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	6.29
		For Work In Restricted Working Space, Add	4.96
23 21 13 23-0007	LF	1-1/2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly ..... 26.10	5.86
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	6.71
		For Work In Restricted Working Space, Add	5.03
23 21 13 23-0008	LF	2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly ..... 30.86	7.06
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	8.09
		For Work In Restricted Working Space, Add	5.67
23 21 13 23-0009	LF	2-1/2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly ..... 44.18	8.37
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	12.15
		For Work In Restricted Working Space, Add	7.04
23 21 13 23-0010	LF	3" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly ..... 55.85	11.21
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	15.51
		For Work In Restricted Working Space, Add	8.62
23 21 13 23-0011	LF	4" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly ..... 76.42	12.62
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	22.65
		For Work In Restricted Working Space, Add	9.12
23 21 13 23-0012	LF	5" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly ..... 122.28	16.13
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	38.23
		For Work In Restricted Working Space, Add	10.86
23 21 13 23-0013	LF	6" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly ..... 144.99	19.07
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	45.63
		For Work In Restricted Working Space, Add	12.31
23 21 13 23-0014		<b>Threaded Black Steel Pipe And Fittings</b> <small>(23 21 13 23-0001)</small>	
		Note: ASTM A-53 pipe and A-105 fittings. Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.	
23 21 13 23-0015		<b>Threaded And Coupled, Black Steel Piping</b> <small>(23 21 13 23-0014)</small>	
		Note: ASTM A-53. Includes coupling.	
23 21 13 23-0016	LF	3/8" Schedule 40, Threaded And Coupled, Black Steel Pipe ..... 6.38	2.52
		For Schedule 80 Pipe, Add	1.09
		For Work In Restricted Working Space, Add	1.53
23 21 13 23-0017	LF	1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe ..... 8.25	4.04
		For Schedule 80 Pipe, Add	1.57
		For Work In Restricted Working Space, Add	1.84
23 21 13 23-0018	LF	3/4" Schedule 40, Threaded And Coupled, Black Steel Pipe ..... 9.27	4.34
		For Schedule 80 Pipe, Add	1.89
		For Work In Restricted Working Space, Add	1.95
23 21 13 23-0019	LF	1" Schedule 40, Threaded And Coupled, Black Steel Pipe ..... 10.74	4.75
		For Schedule 80 Pipe, Add	2.36
		For Work In Restricted Working Space, Add	2.12
23 21 13 23-0020	LF	1-1/4" Schedule 40, Threaded And Coupled, Black Steel Pipe ..... 12.41	4.95
		For Schedule 80 Pipe, Add	2.97
		For Work In Restricted Working Space, Add	2.24
23 21 13 23-0021	LF	1-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe ..... 14.68	5.86
		For Schedule 80 Pipe, Add	3.53
		For Work In Restricted Working Space, Add	2.63
23 21 13 23-0022	LF	2" Schedule 40, Threaded And Coupled, Black Steel Pipe ..... 18.35	7.06
		For Schedule 80 Pipe, Add	4.54
		For Work In Restricted Working Space, Add	3.19
23 21 13 23-0023	LF	2-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe ..... 24.82	8.37
		For Schedule 80 Pipe, Add	6.75
		For Work In Restricted Working Space, Add	3.79
23 21 13 23-0024	LF	3" Schedule 40, Threaded And Coupled, Black Steel Pipe ..... 32.81	11.21
		For Schedule 80 Pipe, Add	8.87
		For Work In Restricted Working Space, Add	5.05

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0025	LF	4" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	42.87 12.65 5.69	12.62
23 21	13 23-0026	LF	5" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	55.89 16.70 7.25	16.13
23 21	13 23-0027	LF	6" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	70.43 21.69 8.57	19.07
23 21	13 23-0028	LF	8" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	96.60 31.39 10.35	23.05
23 21	13 23-0029	LF	10" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	130.06 43.77 12.65	28.09
23 21	13 23-0030	LF	12" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	173.52 58.71 16.61	36.91
<b>23 21 13 23-0031 Black Malleable Iron 90 Degree Elbows (23 21 13 23-0014)</b>					
23 21	13 23-0032	EA	3/8", 150 LB, Black Malleable Iron 90 Degree Elbow..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	27.73 14.07 0.08 6.73	14.95
23 21	13 23-0033	EA	1/2", 150 LB, Black Malleable Iron 90 Degree Elbow..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	30.59 10.42 0.06 8.08	17.97
23 21	13 23-0034	EA	3/4", 150 LB, Black Malleable Iron 90 Degree Elbow..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	34.56 12.44 0.07 9.04	20.09
23 21	13 23-0035	EA	1", 150 LB, Black Malleable Iron 90 Degree Elbow ..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	41.34 20.48 0.12 10.10	22.41
23 21	13 23-0036	EA	1-1/4", 150 LB, Black Malleable Iron 90 Degree Elbow ..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	50.78 32.74 0.20 11.43	25.44
23 21	13 23-0037	EA	1-1/2", 150 LB, Black Malleable Iron 90 Degree Elbow ..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	59.65 42.63 0.27 12.89	28.67
23 21	13 23-0038	EA	2", 150 LB, Black Malleable Iron 90 Degree Elbow ..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	83.35 72.35 0.46 16.37	36.44
23 21	13 23-0039	EA	2-1/2", 150 LB, Black Malleable Iron 90 Degree Elbow ..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	144.88 158.73 1.03 24.23	53.91
23 21	13 23-0040	EA	3", 150 LB, Black Malleable Iron 90 Degree Elbow ..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	200.09 231.54 1.50 31.88	70.87
23 21	13 23-0041	EA	4", 150 LB, Black Malleable Iron 90 Degree Elbow ..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	312.22 490.29 3.22 33.21	73.82
23 21	13 23-0042	EA	5", 150 LB, Black Malleable Iron 90 Degree Elbow ..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	704.38 1,420.22 9.42 34.65	77.05
23 21	13 23-0043	EA	6", 150 LB, Black Malleable Iron 90 Degree Elbow ..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	801.00 1,639.80 10.88 36.23	80.56
<b>23 21 13 23-0044 Black Malleable Iron Reducing 90 Degree Elbows (23 21 13 23-0014)</b>					
23 21	13 23-0045	EA	1/2" x 3/8", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow ..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	31.66 18.26 0.11 7.40	16.46
23 21	13 23-0046	EA	3/4" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow ..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	35.73 18.99 0.12 8.56	18.98
23 21	13 23-0047	EA	3/4" x 3/8", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow ..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	36.35 25.72 0.16 7.89	17.57
23 21	13 23-0048	EA	1" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow ..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	41.14 24.11 0.15 9.57	21.30

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 21 13 23-0049	EA	1" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	40.26	20.19
		<i>For 300 LB Rating, Add</i>	25.77	
		<i>For Standard Weight Cast Iron Fittings, Add</i>	0.16	
		<i>For Work In Restricted Working Space, Add</i>	9.08	
23 21 13 23-0050	EA	1" x 3/8", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	47.68	18.67
		<i>For 300 LB Rating, Add</i>	48.80	
		<i>For Standard Weight Cast Iron Fittings, Add</i>	0.31	
		<i>For Work In Restricted Working Space, Add</i>	8.42	
23 21 13 23-0051	EA	1-1/4" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow .....	51.40	23.92
		<i>For 300 LB Rating, Add</i>	39.42	
		<i>For Standard Weight Cast Iron Fittings, Add</i>	0.25	
		<i>For Work In Restricted Working Space, Add</i>	10.76	
23 21 13 23-0052	EA	1-1/4" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow .....	51.45	22.72
		<i>For 300 LB Rating, Add</i>	43.66	
		<i>For Standard Weight Cast Iron Fittings, Add</i>	0.28	
		<i>For Work In Restricted Working Space, Add</i>	10.23	
23 21 13 23-0053	EA	1-1/4" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow .....	52.76	21.71
		<i>For 300 LB Rating, Add</i>	50.55	
		<i>For Standard Weight Cast Iron Fittings, Add</i>	0.32	
		<i>For Work In Restricted Working Space, Add</i>	9.75	
23 21 13 23-0054	EA	1-1/2" x 1-1/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow .....	62.44	27.06
		<i>For 300 LB Rating, Add</i>	55.04	
		<i>For Standard Weight Cast Iron Fittings, Add</i>	0.35	
		<i>For Work In Restricted Working Space, Add</i>	12.16	
23 21 13 23-0055	EA	1-1/2" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow .....	60.23	25.54
		<i>For 300 LB Rating, Add</i>	54.91	
		<i>For Standard Weight Cast Iron Fittings, Add</i>	0.35	
		<i>For Work In Restricted Working Space, Add</i>	11.49	
23 21 13 23-0056	EA	1-1/2" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow .....	61.62	24.33
		<i>For 300 LB Rating, Add</i>	62.38	
		<i>For Standard Weight Cast Iron Fittings, Add</i>	0.40	
		<i>For Work In Restricted Working Space, Add</i>	10.96	
23 21 13 23-0057	EA	2" x 1-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow .....	80.52	32.51
		<i>For 300 LB Rating, Add</i>	79.15	
		<i>For Standard Weight Cast Iron Fittings, Add</i>	0.51	
		<i>For Work In Restricted Working Space, Add</i>	14.63	
23 21 13 23-0058	EA	2" x 1-1/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow .....	82.42	30.89
		<i>For 300 LB Rating, Add</i>	89.40	
		<i>For Standard Weight Cast Iron Fittings, Add</i>	0.58	
		<i>For Work In Restricted Working Space, Add</i>	13.90	
23 21 13 23-0059	EA	2" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	80.20	29.38
		<i>For 300 LB Rating, Add</i>	89.26	
		<i>For Standard Weight Cast Iron Fittings, Add</i>	0.58	
		<i>For Work In Restricted Working Space, Add</i>	13.23	
23 21 13 23-0060	EA	2" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	80.61	28.27
		<i>For 300 LB Rating, Add</i>	94.37	
		<i>For Standard Weight Cast Iron Fittings, Add</i>	0.61	
		<i>For Work In Restricted Working Space, Add</i>	12.71	
23 21 13 23-0061	EA	2-1/2" x 2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow .....	154.82	45.13
		<i>For 300 LB Rating, Add</i>	213.22	
		<i>For Standard Weight Cast Iron Fittings, Add</i>	1.39	
		<i>For Work In Restricted Working Space, Add</i>	20.30	
23 21 13 23-0062	EA	2-1/2" x 1-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow .....	154.15	41.29
		<i>For 300 LB Rating, Add</i>	225.18	
		<i>For Standard Weight Cast Iron Fittings, Add</i>	1.48	
		<i>For Work In Restricted Working Space, Add</i>	18.56	
23 21 13 23-0063	EA	3" x 2-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow .....	256.61	62.39
		<i>For 300 LB Rating, Add</i>	397.05	
		<i>For Standard Weight Cast Iron Fittings, Add</i>	2.61	
		<i>For Work In Restricted Working Space, Add</i>	28.05	
23 21 13 23-0064	EA	3" x 2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	221.31	53.60
		<i>For 300 LB Rating, Add</i>	342.96	
		<i>For Standard Weight Cast Iron Fittings, Add</i>	2.25	
		<i>For Work In Restricted Working Space, Add</i>	24.13	
23 21 13 23-0065	EA	4" x 3", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	384.04	70.22
		<i>For 300 LB Rating, Add</i>	675.29	
		<i>For Standard Weight Cast Iron Fittings, Add</i>	4.46	
		<i>For Work In Restricted Working Space, Add</i>	31.59	

**23 21 13 23-0066 Black Malleable Iron 45 Degree Elbows (23 21 13 23-0014)**

23 21 13 23-0067	EA	3/8", 150 LB, Black Malleable Iron 45 Degree Elbow.....	30.41	14.95
		<i>For 300 LB Rating, Add</i>	20.50	
		<i>For Standard Weight Cast Iron Fittings, Add</i>	0.13	
		<i>For Work In Restricted Working Space, Add</i>	6.73	
23 21 13 23-0068	EA	1/2", 150 LB, Black Malleable Iron 45 Degree Elbow.....	32.99	17.97
		<i>For 300 LB Rating, Add</i>	16.18	
		<i>For Standard Weight Cast Iron Fittings, Add</i>	0.10	
		<i>For Work In Restricted Working Space, Add</i>	8.08	
23 21 13 23-0069	EA	3/4", 150 LB, Black Malleable Iron 45 Degree Elbow.....	37.63	20.09
		<i>For 300 LB Rating, Add</i>	19.81	
		<i>For Standard Weight Cast Iron Fittings, Add</i>	0.12	
		<i>For Work In Restricted Working Space, Add</i>	9.04	
23 21 13 23-0070	EA	1", 150 LB, Black Malleable Iron 45 Degree Elbow.....	43.09	22.41
		<i>For 300 LB Rating, Add</i>	24.68	
		<i>For Standard Weight Cast Iron Fittings, Add</i>	0.15	
		<i>For Work In Restricted Working Space, Add</i>	10.10	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0071	EA	1-1/4", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	54.79 42.37 0.27 11.43	25.44
23 21	13 23-0072	EA	1-1/2", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	63.63 52.19 0.33 12.89	28.67
23 21	13 23-0073	EA	2", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	85.82 78.27 0.50 16.37	36.44
23 21	13 23-0074	EA	2-1/2", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	171.17 221.83 1.45 24.23	53.91
23 21	13 23-0075	EA	3", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	223.70 288.21 1.88 31.88	70.87
23 21	13 23-0076	EA	4", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	340.98 559.31 3.68 33.21	73.82
23 21	13 23-0077	EA	5", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,025.13 2,190.02 14.55 34.65	77.05
23 21	13 23-0078	EA	6", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,051.41 2,240.78 14.89 36.23	80.56
<b>23 21 13 23-0079 Black Malleable Iron Tees</b> <small>(23 21 13 23-0014)</small>					
23 21	13 23-0080	EA	3/8", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	35.74 20.14 0.12 8.42	18.47
23 21	13 23-0081	EA	1/2", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	38.56 13.80 0.08 10.10	22.41
23 21	13 23-0082	EA	3/4", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	45.87 19.23 0.11 11.65	25.94
23 21	13 23-0083	EA	1", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	57.95 31.72 0.19 13.76	30.59
23 21	13 23-0084	EA	1-1/4", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	74.11 50.17 0.31 16.37	36.44
23 21	13 23-0085	EA	1-1/2", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	89.43 62.23 0.39 19.54	43.41
23 21	13 23-0086	EA	2", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	122.17 104.23 0.66 24.23	53.91
23 21	13 23-0087	EA	2-1/2", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	195.55 220.65 1.43 31.88	70.87
23 21	13 23-0088	EA	3", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	257.71 323.20 2.10 37.86	84.20
23 21	13 23-0089	EA	4", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	457.69 771.23 5.09 41.95	93.28
23 21	13 23-0090	EA	5", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,129.26 2,321.67 15.41 49.82	110.73
23 21	13 23-0091	EA	6", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,223.47 2,492.24 16.54 56.93	126.58
<b>23 21 13 23-0092 Black Malleable Iron Reducing Tees</b> <small>(23 21 13 23-0014)</small>					
23 21	13 23-0093	EA	1/2", 150 LB, Black Malleable Iron Reducing Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	42.00 22.06 0.13 10.10	22.41

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 20 HVAC Piping and Pumps**

**23 21 Hydronic Piping and Pumps**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 21 13 23-0094	EA 3/4", 150 LB, Black Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	49.73 28.49 0.17 11.65	25.94
23 21 13 23-0095	EA 1", 150 LB, Black Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	59.62 35.73 0.22 13.76	30.59
23 21 13 23-0096	EA 1-1/4", 150 LB, Black Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	81.59 68.12 0.43 16.37	36.44
23 21 13 23-0097	EA 1-1/2", 150 LB, Black Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	95.07 75.76 0.48 19.54	43.41
23 21 13 23-0098	EA 2", 150 LB, Black Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	124.22 109.15 0.70 24.23	53.91
23 21 13 23-0099	EA 2-1/2", 150 LB, Black Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	241.70 331.41 2.17 31.88	70.87
23 21 13 23-0100	EA 3", 150 LB, Black Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	281.32 379.86 2.48 37.86	84.20
23 21 13 23-0101	EA 4", 150 LB, Black Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	516.03 911.25 6.02 41.95	93.28
23 21 13 23-0102	EA 5", 150 LB, Black Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,038.62 2,104.13 13.96 49.82	110.73
23 21 13 23-0103	EA 6", 150 LB, Black Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,179.47 2,386.64 15.84 56.93	126.58
<b>23 21 13 23-0104 Black Malleable Iron Couplings (23 21 13 23-0014)</b>			
23 21 13 23-0105	EA 3/8", 150 LB, Black Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	29.02 17.16 0.11 6.73	14.95
23 21 13 23-0106	EA 1/2", 150 LB, Black Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	32.00 13.81 0.08 8.08	17.97
23 21 13 23-0107	EA 3/4", 150 LB, Black Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	36.07 16.06 0.10 9.04	20.09
23 21 13 23-0108	EA 1", 150 LB, Black Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	42.55 23.38 0.14 10.10	22.41
23 21 13 23-0109	EA 1-1/4", 150 LB, Black Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	49.62 29.96 0.18 11.43	25.44
23 21 13 23-0110	EA 1-1/2", 150 LB, Black Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	58.53 39.95 0.25 12.89	28.67
23 21 13 23-0111	EA 2", 150 LB, Black Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	77.66 58.69 0.37 16.37	36.44
23 21 13 23-0112	EA 2-1/2", 150 LB, Black Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	144.46 157.73 1.02 24.23	53.91
23 21 13 23-0113	EA 3", 150 LB, Black Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	192.40 213.09 1.38 31.88	70.87
23 21 13 23-0114	EA 4", 150 LB, Black Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	284.16 422.95 2.78 33.21	73.82
23 21 13 23-0115	EA 5", 150 LB, Black Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	603.93 1,179.14 7.81 34.65	77.05

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0116	EA	6", 150 LB, Black Malleable Iron Coupling..... For 300 LB Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	677.20 1,342.68 8.90 36.23	80.56
<b>23 21 13 23-0117 Black Malleable Iron Reducing Couplings</b> <small>(23 21 13 23-0014)</small>					
23 21	13 23-0118	EA	1/2", 150 LB, Black Malleable Iron Reducing Coupling..... For 300 LB Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	33.22 16.74 0.10 8.08	17.97
23 21	13 23-0119	EA	3/4", 150 LB, Black Malleable Iron Reducing Coupling..... For 300 LB Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	36.80 17.82 0.11 9.04	20.09
23 21	13 23-0120	EA	1", 150 LB, Black Malleable Iron Reducing Coupling..... For 300 LB Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	44.04 26.96 0.17 10.10	22.41
23 21	13 23-0121	EA	1-1/4", 150 LB, Black Malleable Iron Reducing Coupling..... For 300 LB Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	51.45 34.35 0.21 11.43	25.44
23 21	13 23-0122	EA	1-1/2", 150 LB, Black Malleable Iron Reducing Coupling..... For 300 LB Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	59.84 43.09 0.27 12.89	28.67
23 21	13 23-0123	EA	2", 150 LB, Black Malleable Iron Reducing Coupling..... For 300 LB Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	79.03 61.98 0.39 16.37	36.44
23 21	13 23-0124	EA	2-1/2", 150 LB, Black Malleable Iron Reducing Coupling..... For 300 LB Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	153.06 178.37 1.16 24.23	53.91
23 21	13 23-0125	EA	3", 150 LB, Black Malleable Iron Reducing Coupling..... For 300 LB Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	194.16 217.31 1.41 31.88	70.87
23 21	13 23-0126	EA	4", 150 LB, Black Malleable Iron Reducing Coupling..... For 300 LB Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	286.87 429.45 2.82 33.21	73.82
23 21	13 23-0127	EA	5", 150 LB, Black Malleable Iron Reducing Coupling..... For 300 LB Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	511.47 957.23 6.34 34.65	77.05
23 21	13 23-0128	EA	6", 150 LB, Black Malleable Iron Reducing Coupling..... For 300 LB Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	629.35 1,227.84 8.14 36.23	80.56
<b>23 21 13 23-0129 Black Malleable Iron Caps</b> <small>(23 21 13 23-0014)</small>					
23 21	13 23-0130	EA	1/2", 150 LB, Black Malleable Iron Cap ..... For 300 LB Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	15.82 9.63 0.06 3.63	7.97
23 21	13 23-0131	EA	3/4", 150 LB, Black Malleable Iron Cap ..... For 300 LB Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	18.57 12.86 0.08 4.07	8.99
23 21	13 23-0132	EA	1", 150 LB, Black Malleable Iron Cap ..... For 300 LB Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	21.23 15.50 0.10 4.55	10.00
23 21	13 23-0133	EA	1-1/4", 150 LB, Black Malleable Iron Cap ..... For 300 LB Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	25.15 20.25 0.13 5.14	11.31
23 21	13 23-0134	EA	1-1/2", 150 LB, Black Malleable Iron Cap ..... For 300 LB Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	30.34 27.58 0.18 5.80	12.72
23 21	13 23-0135	EA	2", 150 LB, Black Malleable Iron Cap ..... For 300 LB Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	40.62 40.04 0.26 7.37	16.26
23 21	13 23-0136	EA	2-1/2", 150 LB, Black Malleable Iron Cap ..... For 300 LB Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	73.21 90.67 0.59 10.90	24.03
23 21	13 23-0137	EA	3", 150 LB, Black Malleable Iron Cap ..... For 300 LB Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	102.19 133.36 0.87 14.35	31.59
23 21	13 23-0138	EA	4", 150 LB, Black Malleable Iron Cap ..... For 300 LB Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	143.06 226.77 1.49 14.95	32.92

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 21 13 23-0139	EA 5", 150 LB, Black Malleable Iron Cap..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	274.21 536.47 3.56 15.59	34.35
23 21 13 23-0140	EA 6", 150 LB, Black Malleable Iron Cap..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	461.71 980.95 6.52 16.30	35.87
<b>23 21 13 23-0141</b>	<b>Black Malleable Iron Unions (23 21 13 23-0014)</b>		
23 21 13 23-0142	EA 3/8", 150 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	40.23 6.73	14.95
23 21 13 23-0143	EA 1/2", 150 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	49.76 10.10	22.41
23 21 13 23-0144	EA 3/4", 150 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	57.35 11.65	25.94
23 21 13 23-0145	EA 1", 150 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	70.03 13.76	30.59
23 21 13 23-0146	EA 1-1/4", 150 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	89.20 16.37	36.44
23 21 13 23-0147	EA 1-1/2", 150 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	108.31 19.54	43.41
23 21 13 23-0148	EA 2", 150 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	130.97 24.23	53.91
23 21 13 23-0149	EA 2-1/2", 150 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	268.79 35.77	79.45
23 21 13 23-0150	EA 3", 150 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	336.93 47.06	104.49
23 21 13 23-0151	EA 3/8", 250 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	45.96 6.73	14.95
23 21 13 23-0152	EA 1/2", 250 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	60.64 10.10	22.41
23 21 13 23-0153	EA 3/4", 250 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	65.38 11.65	25.94
23 21 13 23-0154	EA 1", 250 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	78.46 13.76	30.59
23 21 13 23-0155	EA 1-1/4", 250 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	109.22 16.37	36.44
23 21 13 23-0156	EA 1-1/2", 250 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	128.06 19.54	43.41
23 21 13 23-0157	EA 2", 250 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	161.50 24.23	53.91
23 21 13 23-0158	EA 2-1/2", 250 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	372.29 35.77	79.45
23 21 13 23-0159	EA 3", 250 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	453.04 47.06	104.49
23 21 13 23-0160	EA 4", 250 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	688.39 49.03	108.93
23 21 13 23-0161	EA 3/8", 300 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	60.61 6.73	14.95
23 21 13 23-0162	EA 1/2", 300 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	64.54 10.10	22.41
23 21 13 23-0163	EA 3/4", 300 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	73.03 11.65	25.94
23 21 13 23-0164	EA 1", 300 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	90.54 13.76	30.59
23 21 13 23-0165	EA 1-1/4", 300 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	127.40 16.37	36.44
23 21 13 23-0166	EA 1-1/2", 300 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	141.41 19.54	43.41
23 21 13 23-0167	EA 2", 300 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	175.24 24.23	53.91
23 21 13 23-0168	EA 2-1/2", 300 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	423.85 35.77	79.45
23 21 13 23-0169	EA 3", 300 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	550.95 47.06	104.49
23 21 13 23-0170	EA 4", 300 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	1,414.19 49.03	108.93
<b>23 21 13 23-0171</b>	<b>Black Steel Nipples (23 21 13 23-0014)</b>		
23 21 13 23-0172	EA 3/8" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.56 1.07 4.33	9.59
23 21 13 23-0173	EA 1/2" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.23 0.91 4.33	9.59
23 21 13 23-0174	EA 3/4" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.49 1.04 4.33	9.59
23 21 13 23-0175	EA 1" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.54 1.51 4.66	10.40
23 21 13 23-0176	EA 1-1/4" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	20.64 1.91 5.05	11.21

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0177	EA	1-1/2" x Close, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	21.58 2.38 5.05	11.21
23 21	13 23-0178	EA	2" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	28.18 3.24 6.51	14.43
23 21	13 23-0179	EA	2-1/2" x Close, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	47.17 10.13 8.08	17.97
23 21	13 23-0180	EA	3" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	56.62 12.03 9.77	21.71
23 21	13 23-0181	EA	4" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	74.19 18.12 11.39	25.33
23 21	13 23-0182	EA	3/8" x 1-1/2" Long, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.85 1.22 4.33	9.59
23 21	13 23-0183	EA	1/2" x 1-1/2" Long, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.23 0.91 4.33	9.59
23 21	13 23-0184	EA	3/4" x 1-1/2" Long, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.65 1.12 4.33	9.59
23 21	13 23-0185	EA	3/8" x 2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.85 1.22 4.33	9.59
23 21	13 23-0186	EA	1/2" x 2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.23 0.91 4.33	9.59
23 21	13 23-0187	EA	3/4" x 2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.65 1.12 4.33	9.59
23 21	13 23-0188	EA	1" x 2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.83 1.65 4.66	10.40
23 21	13 23-0189	EA	1-1/4" x 2" Long, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	21.16 2.17 5.05	11.21
23 21	13 23-0190	EA	1-1/2" x 2" Long, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	21.96 2.57 5.05	11.21
23 21	13 23-0191	EA	3/8" x 2-1/2" Long, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.54 1.56 4.33	9.59
23 21	13 23-0192	EA	1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.56 1.07 4.33	9.59
23 21	13 23-0193	EA	3/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.94 1.26 4.33	9.59
23 21	13 23-0194	EA	1" x 2-1/2" Long, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	19.03 1.75 4.66	10.40
23 21	13 23-0195	EA	1-1/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	21.42 2.30 5.05	11.21
23 21	13 23-0196	EA	1-1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	22.56 2.87 5.05	11.21
23 21	13 23-0197	EA	2" x 2-1/2" Long, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	29.14 3.72 6.51	14.43
23 21	13 23-0198	EA	3/8" x 3" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.54 1.56 4.33	9.59
23 21	13 23-0199	EA	1/2" x 3" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.56 1.07 4.33	9.59
23 21	13 23-0200	EA	3/4" x 3" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.94 1.26 4.33	9.59
23 21	13 23-0201	EA	1" x 3" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	19.03 1.75 4.66	10.40
23 21	13 23-0202	EA	1-1/4" x 3" Long, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	21.42 2.30 5.05	11.21
23 21	13 23-0203	EA	1-1/2" x 3" Long, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	22.56 2.87 5.05	11.21
23 21	13 23-0204	EA	2" x 3" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	29.14 3.72 6.51	14.43
23 21	13 23-0205	EA	2-1/2" x 3" Long, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	47.70 10.39 8.08	17.97
23 21	13 23-0206	EA	3" x 3" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	58.72 13.08 9.77	21.71

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 21 13 23-0207	EA	3/8" x 3-1/2" Long, Schedule 40 Black Steel Nipple.....	18.10	9.59
		<i>For Schedule 80 Nipples, Add</i>	1.84	
		<i>For Work In Restricted Working Space, Add</i>	4.33	
23 21 13 23-0208	EA	1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple.....	16.98	9.59
		<i>For Schedule 80 Nipples, Add</i>	1.28	
		<i>For Work In Restricted Working Space, Add</i>	4.33	
23 21 13 23-0209	EA	3/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple.....	17.54	9.59
		<i>For Schedule 80 Nipples, Add</i>	1.56	
		<i>For Work In Restricted Working Space, Add</i>	4.33	
23 21 13 23-0210	EA	1" x 3-1/2" Long, Schedule 40 Black Steel Nipple.....	19.86	10.40
		<i>For Schedule 80 Nipples, Add</i>	2.17	
		<i>For Work In Restricted Working Space, Add</i>	4.66	
23 21 13 23-0211	EA	1-1/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple .....	22.27	11.21
		<i>For Schedule 80 Nipples, Add</i>	2.72	
		<i>For Work In Restricted Working Space, Add</i>	5.05	
23 21 13 23-0212	EA	1-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple .....	23.25	11.21
		<i>For Schedule 80 Nipples, Add</i>	3.21	
		<i>For Work In Restricted Working Space, Add</i>	5.05	
23 21 13 23-0213	EA	2" x 3-1/2" Long, Schedule 40 Black Steel Nipple.....	30.70	14.43
		<i>For Schedule 80 Nipples, Add</i>	4.50	
		<i>For Work In Restricted Working Space, Add</i>	6.51	
23 21 13 23-0214	EA	2-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple .....	51.36	17.97
		<i>For Schedule 80 Nipples, Add</i>	12.22	
		<i>For Work In Restricted Working Space, Add</i>	8.08	
23 21 13 23-0215	EA	3" x 3-1/2" Long, Schedule 40 Black Steel Nipple.....	63.53	21.71
		<i>For Schedule 80 Nipples, Add</i>	15.49	
		<i>For Work In Restricted Working Space, Add</i>	9.77	
23 21 13 23-0216	EA	3/8" x 4" Long, Schedule 40 Black Steel Nipple.....	18.10	9.59
		<i>For Schedule 80 Nipples, Add</i>	1.84	
		<i>For Work In Restricted Working Space, Add</i>	4.33	
23 21 13 23-0217	EA	1/2" x 4" Long, Schedule 40 Black Steel Nipple.....	16.98	9.59
		<i>For Schedule 80 Nipples, Add</i>	1.28	
		<i>For Work In Restricted Working Space, Add</i>	4.33	
23 21 13 23-0218	EA	3/4" x 4" Long, Schedule 40 Black Steel Nipple.....	17.54	9.59
		<i>For Schedule 80 Nipples, Add</i>	1.56	
		<i>For Work In Restricted Working Space, Add</i>	4.33	
23 21 13 23-0219	EA	1" x 4" Long, Schedule 40 Black Steel Nipple.....	19.86	10.40
		<i>For Schedule 80 Nipples, Add</i>	2.17	
		<i>For Work In Restricted Working Space, Add</i>	4.66	
23 21 13 23-0220	EA	1-1/4" x 4" Long, Schedule 40 Black Steel Nipple.....	22.27	11.21
		<i>For Schedule 80 Nipples, Add</i>	2.72	
		<i>For Work In Restricted Working Space, Add</i>	5.05	
23 21 13 23-0221	EA	1-1/2" x 4" Long, Schedule 40 Black Steel Nipple.....	23.25	11.21
		<i>For Schedule 80 Nipples, Add</i>	3.21	
		<i>For Work In Restricted Working Space, Add</i>	5.05	
23 21 13 23-0222	EA	2" x 4" Long, Schedule 40 Black Steel Nipple.....	30.70	14.43
		<i>For Schedule 80 Nipples, Add</i>	4.50	
		<i>For Work In Restricted Working Space, Add</i>	6.51	
23 21 13 23-0223	EA	2-1/2" x 4" Long, Schedule 40 Black Steel Nipple.....	51.36	17.97
		<i>For Schedule 80 Nipples, Add</i>	12.22	
		<i>For Work In Restricted Working Space, Add</i>	8.08	
23 21 13 23-0224	EA	3" x 4" Long, Schedule 40 Black Steel Nipple.....	63.53	21.71
		<i>For Schedule 80 Nipples, Add</i>	15.49	
		<i>For Work In Restricted Working Space, Add</i>	9.77	
23 21 13 23-0225	EA	4" x 4" Long, Schedule 40 Black Steel Nipple.....	79.88	25.33
		<i>For Schedule 80 Nipples, Add</i>	20.96	
		<i>For Work In Restricted Working Space, Add</i>	11.39	
23 21 13 23-0226	EA	3/8" x 4-1/2" Long, Schedule 40 Black Steel Nipple.....	19.73	9.59
		<i>For Schedule 80 Nipples, Add</i>	2.66	
		<i>For Work In Restricted Working Space, Add</i>	4.33	
23 21 13 23-0227	EA	1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple.....	17.43	9.59
		<i>For Schedule 80 Nipples, Add</i>	1.51	
		<i>For Work In Restricted Working Space, Add</i>	4.33	
23 21 13 23-0228	EA	3/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple.....	18.34	9.59
		<i>For Schedule 80 Nipples, Add</i>	1.96	
		<i>For Work In Restricted Working Space, Add</i>	4.33	
23 21 13 23-0229	EA	1" x 4-1/2" Long, Schedule 40 Black Steel Nipple.....	20.66	10.40
		<i>For Schedule 80 Nipples, Add</i>	2.57	
		<i>For Work In Restricted Working Space, Add</i>	4.66	
23 21 13 23-0230	EA	1-1/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple .....	23.34	11.21
		<i>For Schedule 80 Nipples, Add</i>	3.26	
		<i>For Work In Restricted Working Space, Add</i>	5.05	
23 21 13 23-0231	EA	1-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple .....	24.68	11.21
		<i>For Schedule 80 Nipples, Add</i>	3.93	
		<i>For Work In Restricted Working Space, Add</i>	5.05	
23 21 13 23-0232	EA	2" x 4-1/2" Long, Schedule 40 Black Steel Nipple.....	32.06	14.43
		<i>For Schedule 80 Nipples, Add</i>	5.18	
		<i>For Work In Restricted Working Space, Add</i>	6.51	
23 21 13 23-0233	EA	2-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple .....	53.77	17.97
		<i>For Schedule 80 Nipples, Add</i>	13.43	
		<i>For Work In Restricted Working Space, Add</i>	8.08	
23 21 13 23-0234	EA	3" x 4-1/2" Long, Schedule 40 Black Steel Nipple.....	66.72	21.71
		<i>For Schedule 80 Nipples, Add</i>	17.08	
		<i>For Work In Restricted Working Space, Add</i>	9.77	
23 21 13 23-0235	EA	4" x 4-1/2" Long, Schedule 40 Black Steel Nipple.....	85.86	25.33
		<i>For Schedule 80 Nipples, Add</i>	23.95	
		<i>For Work In Restricted Working Space, Add</i>	11.39	
23 21 13 23-0236	EA	3/8" x 5" Long, Schedule 40 Black Steel Nipple.....	19.73	9.59
		<i>For Schedule 80 Nipples, Add</i>	2.66	
		<i>For Work In Restricted Working Space, Add</i>	4.33	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0237	EA	1/2" x 5" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.43 1.51 4.33	9.59
23 21	13 23-0238	EA	3/4" x 5" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.34 1.96 4.33	9.59
23 21	13 23-0239	EA	1" x 5" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	20.66 2.57 4.66	10.40
23 21	13 23-0240	EA	1-1/4" x 5" Long, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	23.34 3.26 5.05	11.21
23 21	13 23-0241	EA	1-1/2" x 5" Long, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	24.68 3.93 5.05	11.21
23 21	13 23-0242	EA	2" x 5" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	32.06 5.18 6.51	14.43
23 21	13 23-0243	EA	2-1/2" x 5" Long, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	53.77 13.43 8.08	17.97
23 21	13 23-0244	EA	3" x 5" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	66.72 17.08 9.77	21.71
23 21	13 23-0245	EA	4" x 5" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	85.86 23.95 11.39	25.33
23 21	13 23-0246	EA	3/8" x 6" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	20.33 2.96 4.33	9.59
23 21	13 23-0247	EA	1/2" x 6" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.79 1.69 4.33	9.59
23 21	13 23-0248	EA	3/4" x 6" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.88 2.23 4.33	9.59
23 21	13 23-0249	EA	1" x 6" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	21.60 3.04 4.66	10.40
23 21	13 23-0250	EA	1-1/4" x 6" Long, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	24.55 3.86 5.05	11.21
23 21	13 23-0251	EA	1-1/2" x 6" Long, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	25.84 4.51 5.05	11.21
23 21	13 23-0252	EA	2" x 6" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	33.84 6.07 6.51	14.43
23 21	13 23-0253	EA	2-1/2" x 6" Long, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	54.90 13.99 8.08	17.97
23 21	13 23-0254	EA	3" x 6" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	69.69 18.57 9.77	21.71
23 21	13 23-0255	EA	4" x 6" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	89.16 25.60 11.39	25.33
23 21	13 23-0256	EA	3/8" x 8" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	24.79 5.19 4.33	9.59
23 21	13 23-0257	EA	1/2" x 8" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	20.49 3.04 4.33	9.59
23 21	13 23-0258	EA	3/4" x 8" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	21.85 3.72 4.33	9.59
23 21	13 23-0259	EA	1" x 8" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	25.45 4.96 4.66	10.40
23 21	13 23-0260	EA	1-1/4" x 8" Long, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	29.29 6.23 5.05	11.21
23 21	13 23-0261	EA	1-1/2" x 8" Long, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	31.12 7.15 5.05	11.21
23 21	13 23-0262	EA	2" x 8" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	42.05 10.17 6.51	14.43
23 21	13 23-0263	EA	2-1/2" x 8" Long, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	62.53 17.81 8.08	17.97
23 21	13 23-0264	EA	3" x 8" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	82.64 25.04 9.77	21.71
23 21	13 23-0265	EA	4" x 8" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	97.05 29.55 11.39	25.33
23 21	13 23-0266	EA	3/8" x 10" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	26.06 5.82 4.33	9.59

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 21 13 23-0267	EA	1/2" x 10" Long, Schedule 40 Black Steel Nipple.....	21.71	9.59
		<i>For Schedule 80 Nipples, Add</i>	3.65	
		<i>For Work In Restricted Working Space, Add</i>	4.33	
23 21 13 23-0268	EA	3/4" x 10" Long, Schedule 40 Black Steel Nipple.....	23.05	9.59
		<i>For Schedule 80 Nipples, Add</i>	4.32	
		<i>For Work In Restricted Working Space, Add</i>	4.33	
23 21 13 23-0269	EA	1" x 10" Long, Schedule 40 Black Steel Nipple.....	27.13	10.40
		<i>For Schedule 80 Nipples, Add</i>	5.80	
		<i>For Work In Restricted Working Space, Add</i>	4.66	
23 21 13 23-0270	EA	1-1/4" x 10" Long, Schedule 40 Black Steel Nipple.....	31.77	11.21
		<i>For Schedule 80 Nipples, Add</i>	7.47	
		<i>For Work In Restricted Working Space, Add</i>	5.05	
23 21 13 23-0271	EA	1-1/2" x 10" Long, Schedule 40 Black Steel Nipple.....	33.55	11.21
		<i>For Schedule 80 Nipples, Add</i>	8.36	
		<i>For Work In Restricted Working Space, Add</i>	5.05	
23 21 13 23-0272	EA	2" x 10" Long, Schedule 40 Black Steel Nipple.....	45.61	14.43
		<i>For Schedule 80 Nipples, Add</i>	11.95	
		<i>For Work In Restricted Working Space, Add</i>	6.51	
23 21 13 23-0273	EA	2-1/2" x 10" Long, Schedule 40 Black Steel Nipple.....	66.92	17.97
		<i>For Schedule 80 Nipples, Add</i>	20.00	
		<i>For Work In Restricted Working Space, Add</i>	8.08	
23 21 13 23-0274	EA	3" x 10" Long, Schedule 40 Black Steel Nipple.....	88.82	21.71
		<i>For Schedule 80 Nipples, Add</i>	28.13	
		<i>For Work In Restricted Working Space, Add</i>	9.77	
23 21 13 23-0275	EA	4" x 10" Long, Schedule 40 Black Steel Nipple.....	105.26	25.33
		<i>For Schedule 80 Nipples, Add</i>	33.65	
		<i>For Work In Restricted Working Space, Add</i>	11.39	
23 21 13 23-0276	EA	3/8" x 12" Long, Schedule 40 Black Steel Nipple.....	27.67	9.59
		<i>For Schedule 80 Nipples, Add</i>	6.63	
		<i>For Work In Restricted Working Space, Add</i>	4.33	
23 21 13 23-0277	EA	1/2" x 12" Long, Schedule 40 Black Steel Nipple.....	23.07	9.59
		<i>For Schedule 80 Nipples, Add</i>	4.33	
		<i>For Work In Restricted Working Space, Add</i>	4.33	
23 21 13 23-0278	EA	3/4" x 12" Long, Schedule 40 Black Steel Nipple.....	24.01	9.59
		<i>For Schedule 80 Nipples, Add</i>	4.80	
		<i>For Work In Restricted Working Space, Add</i>	4.33	
23 21 13 23-0279	EA	1" x 12" Long, Schedule 40 Black Steel Nipple.....	28.84	10.40
		<i>For Schedule 80 Nipples, Add</i>	6.66	
		<i>For Work In Restricted Working Space, Add</i>	4.66	
23 21 13 23-0280	EA	1-1/4" x 12" Long, Schedule 40 Black Steel Nipple.....	33.78	11.21
		<i>For Schedule 80 Nipples, Add</i>	8.48	
		<i>For Work In Restricted Working Space, Add</i>	5.05	
23 21 13 23-0281	EA	1-1/2" x 12" Long, Schedule 40 Black Steel Nipple.....	36.10	11.21
		<i>For Schedule 80 Nipples, Add</i>	9.64	
		<i>For Work In Restricted Working Space, Add</i>	5.05	
23 21 13 23-0282	EA	2" x 12" Long, Schedule 40 Black Steel Nipple.....	49.23	14.43
		<i>For Schedule 80 Nipples, Add</i>	13.76	
		<i>For Work In Restricted Working Space, Add</i>	6.51	
23 21 13 23-0283	EA	2-1/2" x 12" Long, Schedule 40 Black Steel Nipple.....	71.43	17.97
		<i>For Schedule 80 Nipples, Add</i>	22.26	
		<i>For Work In Restricted Working Space, Add</i>	8.08	
23 21 13 23-0284	EA	3" x 12" Long, Schedule 40 Black Steel Nipple.....	95.00	21.71
		<i>For Schedule 80 Nipples, Add</i>	31.22	
		<i>For Work In Restricted Working Space, Add</i>	9.77	
23 21 13 23-0285	EA	4" x 12" Long, Schedule 40 Black Steel Nipple.....	116.85	25.33
		<i>For Schedule 80 Nipples, Add</i>	39.45	
		<i>For Work In Restricted Working Space, Add</i>	11.39	

**23 21 13 23-0286 Black Malleable Iron Bushing** (23 21 13 23-0014)

23 21 13 23-0287	EA	1/2" x 3/8", 150 LB, Black Malleable Iron Bushing.....	30.31	16.46
		<i>For Work In Restricted Working Space, Add</i>	7.40	
23 21 13 23-0288	EA	3/4" x 3/8", 150 LB, Black Malleable Iron Bushing.....	34.64	17.67
		<i>For Work In Restricted Working Space, Add</i>	7.95	
23 21 13 23-0289	EA	3/4" x 1/2", 150 LB, Black Malleable Iron Bushing.....	36.66	18.98
		<i>For Work In Restricted Working Space, Add</i>	8.56	
23 21 13 23-0290	EA	1" x 3/8", 150 LB, Black Malleable Iron Bushing.....	39.48	18.88
		<i>For Work In Restricted Working Space, Add</i>	8.48	
23 21 13 23-0291	EA	1" x 1/2", 150 LB, Black Malleable Iron Bushing.....	38.66	20.19
		<i>For Work In Restricted Working Space, Add</i>	9.08	
23 21 13 23-0292	EA	1" x 3/4", 150 LB, Black Malleable Iron Bushing.....	40.27	21.30
		<i>For Work In Restricted Working Space, Add</i>	9.57	
23 21 13 23-0293	EA	1-1/4" x 3/8", 150 LB, Black Malleable Iron Bushing.....	43.07	20.30
		<i>For Work In Restricted Working Space, Add</i>	9.15	
23 21 13 23-0294	EA	1-1/4" x 1/2", 150 LB, Black Malleable Iron Bushing.....	44.52	21.71
		<i>For Work In Restricted Working Space, Add</i>	9.75	
23 21 13 23-0295	EA	1-1/4" x 3/4", 150 LB, Black Malleable Iron Bushing.....	44.92	22.72
		<i>For Work In Restricted Working Space, Add</i>	10.23	
23 21 13 23-0296	EA	1-1/4" x 1", 150 LB, Black Malleable Iron Bushing.....	46.68	23.92
		<i>For Work In Restricted Working Space, Add</i>	10.76	
23 21 13 23-0297	EA	1-1/2" x 3/8", 150 LB, Black Malleable Iron Bushing.....	49.51	22.01
		<i>For Work In Restricted Working Space, Add</i>	9.88	
23 21 13 23-0298	EA	1-1/2" x 1/2", 150 LB, Black Malleable Iron Bushing.....	48.62	23.32
		<i>For Work In Restricted Working Space, Add</i>	10.48	
23 21 13 23-0299	EA	1-1/2" x 3/4", 150 LB, Black Malleable Iron Bushing.....	50.22	24.33
		<i>For Work In Restricted Working Space, Add</i>	10.96	
23 21 13 23-0300	EA	1-1/2" x 1", 150 LB, Black Malleable Iron Bushing.....	50.32	25.54
		<i>For Work In Restricted Working Space, Add</i>	11.49	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0301	EA	1-1/2" x 1-1/4", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	54.24 12.16	27.06
23 21	13 23-0302	EA	2" x 3/8", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	62.16 11.62	25.84
23 21	13 23-0303	EA	2" x 1/2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	61.40 12.23	27.16
23 21	13 23-0304	EA	2" x 3/4", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	59.82 12.71	28.27
23 21	13 23-0305	EA	2" x 1", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	60.48 13.23	29.38
23 21	13 23-0306	EA	2" x 1-1/4", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	62.70 13.90	30.89
23 21	13 23-0307	EA	2" x 1-1/2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	66.98 14.63	32.51
23 21	13 23-0308	EA	2-1/2" x 3/4", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	85.21 16.64	36.95
23 21	13 23-0309	EA	2-1/2" x 1", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	86.96 17.16	38.17
23 21	13 23-0310	EA	2-1/2" x 1-1/4", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	89.18 17.83	39.58
23 21	13 23-0311	EA	2-1/2" x 1-1/2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	89.58 18.56	41.29
23 21	13 23-0312	EA	2-1/2" x 2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	95.16 20.30	45.13
23 21	13 23-0313	EA	3" x 3/4", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	109.35 20.46	45.43
23 21	13 23-0314	EA	3" x 1", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	111.10 20.99	46.64
23 21	13 23-0315	EA	3" x 1-1/4", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	113.32 21.65	48.15
23 21	13 23-0316	EA	3" x 1-1/2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	114.96 22.39	49.77
23 21	13 23-0317	EA	3" x 2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	118.12 24.13	53.60
23 21	13 23-0318	EA	3" x 2-1/2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	131.77 28.05	62.39
23 21	13 23-0319	EA	4" x 3/4", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	148.43 20.86	46.31
23 21	13 23-0320	EA	4" x 1", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	150.08 21.35	47.44
23 21	13 23-0321	EA	4" x 1-1/4", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	152.17 21.98	48.86
23 21	13 23-0322	EA	4" x 1-1/2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	154.45 22.66	50.39
23 21	13 23-0323	EA	4" x 2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	155.67 24.30	53.99
23 21	13 23-0324	EA	4" x 2-1/2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	167.98 27.99	62.25
23 21	13 23-0325	EA	4" x 3", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	179.97 31.59	70.22
<b>23 21 13 23-0326 Black Malleable Iron Square Head Plugs (23 21 13 23-0014)</b>					
23 21	13 23-0327	EA	3/8", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	13.29 2.69	5.96
23 21	13 23-0328	EA	1/2", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	15.37 3.23	7.17
23 21	13 23-0329	EA	3/4", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	16.65 3.62	8.07
23 21	13 23-0330	EA	1", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	19.23 4.04	8.99
23 21	13 23-0331	EA	1-1/4", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	22.52 4.57	10.20
23 21	13 23-0332	EA	1-1/2", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	27.33 5.15	11.41
23 21	13 23-0333	EA	2", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	36.26 6.55	14.54
23 21	13 23-0334	EA	2-1/2", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	58.58 9.69	21.51
23 21	13 23-0335	EA	3", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	78.57 12.75	28.37
23 21	13 23-0336	EA	4", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	119.93 13.28	29.51
23 21	13 23-0337	EA	5", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	208.69 13.86	30.84
23 21	13 23-0338	EA	6", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	249.56 14.49	32.16
<b>23 21 13 23-0339 125 LB Black Cast Iron Screwed Flanges (23 21 13 23-0014)</b>					
Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0669 for Class 150 steel bolt and gasket set.					
23 21	13 23-0340	EA	3/4", 125 LB, Black Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	142.93 18.17	40.38
23 21	13 23-0341	EA	1", 125 LB, Black Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	120.82 20.53	45.63
23 21	13 23-0342	EA	1-1/4", 125 LB, Black Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	133.51 21.25	47.25

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 20 HVAC Piping and Pumps**

**23 21 Hydronic Piping and Pumps**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0343	EA	1-1/2", 125 LB, Black Cast Iron Flange <i>For Work In Restricted Working Space, Add</i>	134.98 23.12	51.39
23 21	13 23-0344	EA	2", 125 LB, Black Cast Iron Flange <i>For Work In Restricted Working Space, Add</i>	138.23 24.13	53.60
23 21	13 23-0345	EA	2-1/2", 125 LB, Black Cast Iron Flange <i>For Work In Restricted Working Space, Add</i>	160.64 27.91	62.09
23 21	13 23-0346	EA	3", 125 LB, Black Cast Iron Flange <i>For Work In Restricted Working Space, Add</i>	205.16 35.42	78.75
23 21	13 23-0347	EA	4", 125 LB, Black Cast Iron Flange <i>For Work In Restricted Working Space, Add</i>	269.20 45.55	101.25
23 21	13 23-0348	EA	5", 125 LB, Black Cast Iron Flange <i>For Work In Restricted Working Space, Add</i>	346.55 54.22	120.61
23 21	13 23-0349	EA	6", 125 LB, Black Cast Iron Flange <i>For Work In Restricted Working Space, Add</i>	395.17 62.27	138.45
<b>23 21 13 23-0350 150 LB, Black Malleable Iron Flanges (23 21 13 23-0014)</b>					
Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0669 for Class 150 steel bolt and gasket set.					
23 21	13 23-0351	EA	1/2", 150 LB, Black Malleable Iron Flange <i>For Work In Restricted Working Space, Add</i>	73.54 16.60	36.84
23 21	13 23-0352	EA	3/4", 150 LB, Black Malleable Iron Flange <i>For Work In Restricted Working Space, Add</i>	80.20 18.17	40.38
23 21	13 23-0353	EA	1", 150 LB, Black Malleable Iron Flange <i>For Work In Restricted Working Space, Add</i>	93.95 20.53	45.63
23 21	13 23-0354	EA	1-1/4", 150 LB, Black Malleable Iron Flange <i>For Work In Restricted Working Space, Add</i>	98.11 21.25	47.25
23 21	13 23-0355	EA	1-1/2", 150 LB, Black Malleable Iron Flange <i>For Work In Restricted Working Space, Add</i>	106.82 23.12	51.39
23 21	13 23-0356	EA	2", 150 LB, Black Malleable Iron Flange <i>For Work In Restricted Working Space, Add</i>	119.23 24.13	53.60
23 21	13 23-0357	EA	2-1/2", 150 LB, Black Malleable Iron Flange <i>For Work In Restricted Working Space, Add</i>	153.87 27.91	62.09
23 21	13 23-0358	EA	3", 150 LB, Black Malleable Iron Flange <i>For Work In Restricted Working Space, Add</i>	194.95 35.42	78.75
23 21	13 23-0359	EA	4", 150 LB, Black Malleable Iron Flange <i>For Work In Restricted Working Space, Add</i>	282.40 45.53	101.25
<b>23 21 13 23-0360 Cut And Thread Existing In-Place Black Steel Pipe (23 21 13 23-0014)</b>					
Note: For use when connecting pipe to an existing in-place system.					
23 21	13 23-0361	EA	1/2", Cut And Thread Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	32.89 9.87	
23 21	13 23-0362	EA	3/4", Cut And Thread Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	36.17 10.85	
23 21	13 23-0363	EA	1", Cut And Thread Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	39.47 11.84	
23 21	13 23-0364	EA	1-1/4", Cut And Thread Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	42.76 12.83	
23 21	13 23-0365	EA	1-1/2", Cut And Thread Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	44.94 13.48	
23 21	13 23-0366	EA	2", Cut And Thread Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	47.14 14.14	
23 21	13 23-0367	EA	2-1/2", Cut And Thread Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	49.34 14.80	
23 21	13 23-0368	EA	3", Cut And Thread Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	51.52 15.46	
23 21	13 23-0369	EA	4", Cut And Thread Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	53.72 16.12	
23 21	13 23-0370	EA	6", Cut And Thread Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	58.10 17.43	
23 21	13 23-0371	EA	8", Cut And Thread Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	62.48 18.74	
23 21	13 23-0372	EA	10", Cut And Thread Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	67.96 20.39	
23 21	13 23-0373	EA	12", Cut And Thread Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	72.35 21.71	
<b>23 21 13 23-0374 Welded Black Steel Pipe (23 21 13 23)</b>					
<b>23 21 13 23-0375 Welded Plain End Black Steel Pipe Assemblies (23 21 13 23-0374)</b>					
Note: ASTM A-53 pipe and A-234 WPB fittings. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.					
23 21	13 23-0376	LF	3/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly <i>For Work In Restricted Working Space, Add</i>	24.00 5.61	7.67
23 21	13 23-0377	LF	1" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly <i>For Work In Restricted Working Space, Add</i>	26.66 6.29	8.18
23 21	13 23-0378	LF	1-1/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly <i>For Work In Restricted Working Space, Add</i>	31.80 7.21	8.70
23 21	13 23-0379	LF	1-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly <i>For Work In Restricted Working Space, Add</i>	33.87 7.54	8.70

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0380	LF		2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	38.73	8.70
			<i>For Work In Restricted Working Space, Add</i>	8.73	
23 21 13 23-0381	LF		2-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly ..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	44.89	8.70
			<i>For Work In Restricted Working Space, Add</i>	10.12	
23 21 13 23-0382	LF		3" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	51.62	8.49
			<i>For Work In Restricted Working Space, Add</i>	10.68	
23 21 13 23-0383	LF		4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	66.99	10.41
			<i>For Work In Restricted Working Space, Add</i>	12.93	
23 21 13 23-0384	LF		6" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	90.07	15.53
			<i>For Work In Restricted Working Space, Add</i>	14.89	
23 21 13 23-0385	LF		8" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	137.18	19.30
			<i>For Work In Restricted Working Space, Add</i>	22.09	
23 21 13 23-0386	LF		10" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	183.23	24.12
			<i>For Work In Restricted Working Space, Add</i>	26.34	
23 21 13 23-0387	LF		12" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	230.36	29.13
			<i>For Work In Restricted Working Space, Add</i>	30.44	
23 21 13 23-0388	LF		14" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	259.77	38.01
			<i>For Work In Restricted Working Space, Add</i>	33.96	
23 21 13 23-0389	LF		16" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	303.41	48.23
			<i>For Work In Restricted Working Space, Add</i>	37.95	
23 21 13 23-0390	LF		18" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	385.24	59.72
			<i>For Work In Restricted Working Space, Add</i>	41.64	
23 21 13 23-0391	LF		20" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	498.04	73.80
			<i>For Work In Restricted Working Space, Add</i>	47.66	
23 21 13 23-0392	LF		24" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	614.03	83.64
			<i>For Work In Restricted Working Space, Add</i>	52.40	
23 21 13 23-0393			<b>Welded Black Steel Pipe And Fittings</b> (23 21 13 23-0374) Note: ASTM A-53 pipe and A-234 WPB fittings. Excludes hangers or fittings.		
23 21 13 23-0394			<b>Welded Plain End Black Steel Piping</b> (23 21 13 23-0393) Note: ASTM A-53		
23 21 13 23-0395	LF		3/4" Schedule 40, Welded Plain End Black Steel Pipe ..... <i>For Schedule 80 Pipe, Add</i> <i>For Schedule A-106 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	10.00 1.59 0.22 2.45	4.10
23 21 13 23-0396	LF		1" Schedule 40, Welded Plain End Black Steel Pipe ..... <i>For Schedule 80 Pipe, Add</i> <i>For Schedule A-106 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	12.67 2.02 0.29 3.07	5.12
23 21 13 23-0397	LF		1-1/4" Schedule 40, Welded Plain End Black Steel Pipe ..... <i>For Schedule 80 Pipe, Add</i> <i>For Schedule A-106 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.84 2.55 0.43 3.68	6.14
23 21 13 23-0398	LF		1-1/2" Schedule 40, Welded Plain End Black Steel Pipe ..... <i>For Schedule 80 Pipe, Add</i> <i>For Schedule A-106 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	19.06 3.10 0.57 4.30	7.16
23 21 13 23-0399	LF		2" Schedule 40, Welded Plain End Black Steel Pipe ..... <i>For Schedule 80 Pipe, Add</i> <i>For Schedule A-106 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	22.65 3.68 0.68 5.10	8.49
23 21 13 23-0400	LF		2-1/2" Schedule 40, Welded Plain End Black Steel Pipe ..... <i>For Schedule 80 Pipe, Add</i> <i>For Schedule A-106 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	25.84 5.68 0.79 5.77	9.62
23 21 13 23-0401	LF		3" Schedule 40, Welded Plain End Black Steel Pipe ..... <i>For Schedule 80 Pipe, Add</i> <i>For Schedule A-106 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	31.15 7.28 1.26 6.20	10.34
23 21 13 23-0402	LF		4" Schedule 40, Welded Plain End Black Steel Pipe ..... <i>For Schedule 80 Pipe, Add</i> <i>For Schedule A-106 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	42.37 10.35 2.01 7.67	12.79

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 21 13 23-0403	LF	6" Schedule 40, Welded Plain End Black Steel Pipe	59.87	20.73
		<i>For Schedule 80 Pipe, Add</i>	15.40	
		<i>For Schedule A-106 Pipe, Add</i>	3.38	
		<i>For Work In Restricted Working Space, Add</i>	9.52	
23 21 13 23-0404	LF	8" Schedule 40, Welded Plain End Black Steel Pipe	83.90	20.74
		<i>For Schedule 80 Pipe, Add</i>	22.11	
		<i>For Schedule A-106 Pipe, Add</i>	5.09	
		<i>For Schedule 30 Pipe, Deduct</i>	-12.63	
		<i>For Work In Restricted Working Space, Add</i>	12.44	
23 21 13 23-0405	LF	10" Schedule 40, Welded Plain End Black Steel Pipe	110.01	24.99
		<i>For Schedule 80 Pipe, Add</i>	29.76	
		<i>For Schedule A-106 Pipe, Add</i>	7.20	
		<i>For Schedule 30 Pipe, Deduct</i>	-17.01	
		<i>For Work In Restricted Working Space, Add</i>	14.99	
23 21 13 23-0406	LF	12" Schedule 40, Welded Plain End Black Steel Pipe	139.79	30.19
		<i>For Schedule 80 Pipe, Add</i>	38.36	
		<i>For Schedule A-106 Pipe, Add</i>	9.53	
		<i>For Schedule 30 Pipe, Deduct</i>	-21.92	
		<i>For Work In Restricted Working Space, Add</i>	18.12	
23 21 13 23-0407	LF	14" Schedule 40, Welded Plain End Black Steel Pipe	136.08	31.84
		<i>For Schedule 80 Pipe, Add</i>	36.49	
		<i>For Schedule A-106 Pipe, Add</i>	8.69	
		<i>For Schedule 30 Pipe, Deduct</i>	-20.85	
		<i>For Schedule 20 Pipe, Deduct</i>	-38.08	
		<i>For Work In Restricted Working Space, Add</i>	19.10	
23 21 13 23-0408	LF	16" Schedule 40, Welded Plain End Black Steel Pipe	149.43	34.25
		<i>For Schedule 80 Pipe, Add</i>	40.31	
		<i>For Schedule A-106 Pipe, Add</i>	9.71	
		<i>For Schedule 30 Pipe, Deduct</i>	-23.04	
		<i>For Schedule 20 Pipe, Deduct</i>	-42.03	
		<i>For Work In Restricted Working Space, Add</i>	20.55	
23 21 13 23-0409	LF	18" Schedule 40, Welded Plain End Black Steel Pipe	186.26	37.05
		<i>For Schedule 80 Pipe, Add</i>	52.23	
		<i>For Schedule A-106 Pipe, Add</i>	13.46	
		<i>For Schedule 30 Pipe, Deduct</i>	-29.84	
		<i>For Schedule 20 Pipe, Deduct</i>	-54.08	
		<i>For Work In Restricted Working Space, Add</i>	22.23	
23 21 13 23-0410	LF	20" Schedule 40, Welded Plain End Black Steel Pipe	220.45	44.37
		<i>For Schedule 80 Pipe, Add</i>	61.63	
		<i>For Schedule A-106 Pipe, Add</i>	15.80	
		<i>For Work In Restricted Working Space, Add</i>	26.63	
23 21 13 23-0411	LF	24" Schedule 40, Welded Plain End Black Steel Pipe	272.20	51.03
		<i>For Schedule 80 Pipe, Add</i>	77.41	
		<i>For Schedule A-106 Pipe, Add</i>	20.42	
		<i>For Work In Restricted Working Space, Add</i>	30.62	
<b>23 21 13 23-0412</b>		<b>Welded Plain End Black Steel 90 Degree Elbows (23 21 13 23-0393)</b>		
23 21 13 23-0413	EA	3/4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	114.87	61.16
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	24.84	
		<i>For Work In Restricted Working Space, Add</i>	27.50	
23 21 13 23-0414	EA	1" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	119.67	64.35
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	25.77	
		<i>For Work In Restricted Working Space, Add</i>	28.94	
23 21 13 23-0415	EA	1-1/4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	133.18	73.32
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	28.41	
		<i>For Work In Restricted Working Space, Add</i>	32.99	
23 21 13 23-0416	EA	1-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	141.85	79.11
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	30.10	
		<i>For Work In Restricted Working Space, Add</i>	35.59	
23 21 13 23-0417	EA	2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	177.55	102.93
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	37.06	
		<i>For Work In Restricted Working Space, Add</i>	46.30	
23 21 13 23-0418	EA	2-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	223.87	128.69
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	46.91	
		<i>For Work In Restricted Working Space, Add</i>	57.87	
23 21 13 23-0419	EA	3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	244.41	138.39
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	51.55	
		<i>For Work In Restricted Working Space, Add</i>	62.22	
23 21 13 23-0420	EA	4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	419.67	239.10
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	88.26	
		<i>For Work In Restricted Working Space, Add</i>	107.54	
23 21 13 23-0421	EA	6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	742.11	394.57
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	160.51	
		<i>For Work In Restricted Working Space, Add</i>	177.49	
23 21 13 23-0422	EA	8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,063.08	522.77
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	236.62	
		<i>For Work In Restricted Working Space, Add</i>	235.15	
23 21 13 23-0423	EA	10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,408.55	597.54
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	328.51	
		<i>For Work In Restricted Working Space, Add</i>	268.74	
23 21 13 23-0424	EA	12" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,915.57	781.79
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	451.60	
		<i>For Work In Restricted Working Space, Add</i>	351.62	
23 21 13 23-0425	EA	14" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,391.77	924.08
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	572.06	
		<i>For Work In Restricted Working Space, Add</i>	415.64	
23 21 13 23-0426	EA	16" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,995.25	1,079.12
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	728.71	
		<i>For Work In Restricted Working Space, Add</i>	485.34	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0427	EA		18" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,576.79 883.62 541.19	1,203.27
23 21 13 23-0428	EA		20" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,628.44 1,176.14 606.83	1,349.14
23 21 13 23-0429	EA		24" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	5,495.55 1,429.20 627.06	1,394.19
<b>23 21 13 23-0430</b>			<b>Welded Plain End Black Steel Reducing 90 Degree Elbows</b> <small>(23 21 13 23-0393)</small>		
23 21 13 23-0431	EA		4" x 3" 90 Standard Weight, Welded Plain End Black Steel Reducing 90 Degree Elbow ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	610.88 145.55 107.74	239.51
23 21 13 23-0432	EA		6" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,077.30 261.78 175.46	390.06
23 21 13 23-0433	EA		6" x 3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,161.73 287.11 175.46	390.06
23 21 13 23-0434	EA		8" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,822.57 464.47 235.15	522.77
23 21 13 23-0435	EA		8" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,023.88 524.86 235.15	522.77
23 21 13 23-0436	EA		10" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,556.17 672.79 268.74	597.54
23 21 13 23-0437	EA		10" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,556.17 672.79 268.74	597.54
23 21 13 23-0438	EA		12" x 10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,277.10 1,157.72 358.32	796.65
23 21 13 23-0439	EA		12" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,277.10 1,157.72 358.32	796.65
23 21 13 23-0440	EA		12" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,824.68 1,321.99 358.32	796.65
<b>23 21 13 23-0441</b>			<b>Welded Plain End Black Steel 45 Degree Elbows</b> <small>(23 21 13 23-0393)</small>		
23 21 13 23-0442	EA		3/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	105.43 22.49 26.10	58.04
23 21 13 23-0443	EA		1" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	108.50 23.09 27.02	60.08
23 21 13 23-0444	EA		1-1/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	121.81 25.69 31.01	68.99
23 21 13 23-0445	EA		1-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	130.00 27.29 33.47	74.41
23 21 13 23-0446	EA		2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	162.75 33.67 43.30	96.21
23 21 13 23-0447	EA		2-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	202.63 41.77 54.35	120.88
23 21 13 23-0448	EA		3" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	234.39 48.54 62.21	138.28
23 21 13 23-0449	EA		4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	403.06 83.29 107.51	239.00
23 21 13 23-0450	EA		6" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	700.81 148.19 177.29	394.16
23 21 13 23-0451	EA		8" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	987.72 214.01 235.15	522.77
23 21 13 23-0452	EA		10" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,270.19 287.00 268.74	597.54
23 21 13 23-0453	EA		12" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,712.75 390.99 350.96	780.35
23 21 13 23-0454	EA		14" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,122.06 490.95 416.19	925.34
23 21 13 23-0455	EA		16" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,621.86 616.87 484.84	1,077.96

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 21 13 23-0456	EA	18" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	3,096.31	1,201.82
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	739.70	
		<i>For Work In Restricted Working Space, Add</i>	540.56	
23 21 13 23-0457	EA	20" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	3,925.29	1,349.14
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	965.20	
		<i>For Work In Restricted Working Space, Add</i>	606.83	
23 21 13 23-0458	EA	24" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	4,576.61	1,394.19
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,153.51	
		<i>For Work In Restricted Working Space, Add</i>	627.06	
<b>23 21 13 23-0459</b>		<b>Welded Plain End Black Steel Tee</b> <small>(23 21 13 23-0393)</small>		
23 21 13 23-0460	EA	3/4" Standard Weight, Welded Plain End Black Steel Tee	219.44	109.21
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	48.64	
		<i>For Work In Restricted Working Space, Add</i>	49.13	
23 21 13 23-0461	EA	1" Standard Weight, Welded Plain End Black Steel Tee	219.39	109.21
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	48.63	
		<i>For Work In Restricted Working Space, Add</i>	49.12	
23 21 13 23-0462	EA	1-1/4" Standard Weight, Welded Plain End Black Steel Tee	249.23	121.50
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	55.65	
		<i>For Work In Restricted Working Space, Add</i>	54.64	
23 21 13 23-0463	EA	1-1/2" Standard Weight, Welded Plain End Black Steel Tee	271.81	136.54
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	60.05	
		<i>For Work In Restricted Working Space, Add</i>	61.41	
23 21 13 23-0464	EA	2" Standard Weight, Welded Plain End Black Steel Tee	332.64	182.29
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	71.10	
		<i>For Work In Restricted Working Space, Add</i>	81.99	
23 21 13 23-0465	EA	2-1/2" Standard Weight, Welded Plain End Black Steel Tee	380.80	204.81
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	82.00	
		<i>For Work In Restricted Working Space, Add</i>	92.12	
23 21 13 23-0466	EA	3" Standard Weight, Welded Plain End Black Steel Tee	454.18	248.72
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	97.14	
		<i>For Work In Restricted Working Space, Add</i>	111.77	
23 21 13 23-0467	EA	4" Standard Weight, Welded Plain End Black Steel Tee	652.25	359.36
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	139.11	
		<i>For Work In Restricted Working Space, Add</i>	161.61	
23 21 13 23-0468	EA	6" Standard Weight, Welded Plain End Black Steel Tee	1,096.70	593.65
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	235.56	
		<i>For Work In Restricted Working Space, Add</i>	267.01	
23 21 13 23-0469	EA	8" Standard Weight, Welded Plain End Black Steel Tee	1,577.06	796.65
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	347.71	
		<i>For Work In Restricted Working Space, Add</i>	358.32	
23 21 13 23-0470	EA	10" Standard Weight, Welded Plain End Black Steel Tee	2,035.08	929.39
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	464.21	
		<i>For Work In Restricted Working Space, Add</i>	418.04	
23 21 13 23-0471	EA	12" Standard Weight, Welded Plain End Black Steel Tee	2,767.44	1,194.98
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	642.12	
		<i>For Work In Restricted Working Space, Add</i>	537.48	
23 21 13 23-0472	EA	14" Standard Weight, Welded Plain End Black Steel Tee	3,659.14	1,394.19
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	878.27	
		<i>For Work In Restricted Working Space, Add</i>	627.06	
23 21 13 23-0473	EA	16" Standard Weight, Welded Plain End Black Steel Tee	4,404.99	1,672.99
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,058.13	
		<i>For Work In Restricted Working Space, Add</i>	752.47	
23 21 13 23-0474	EA	18" Standard Weight, Welded Plain End Black Steel Tee	5,885.23	1,858.88
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,472.94	
		<i>For Work In Restricted Working Space, Add</i>	836.08	
23 21 13 23-0475	EA	20" Standard Weight, Welded Plain End Black Steel Tee	7,918.68	2,091.28
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	2,046.40	
		<i>For Work In Restricted Working Space, Add</i>	940.58	
23 21 13 23-0476	EA	24" Standard Weight, Welded Plain End Black Steel Tee	9,210.91	2,252.15
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	2,408.74	
		<i>For Work In Restricted Working Space, Add</i>	1,012.94	
<b>23 21 13 23-0477</b>		<b>Welded Plain End Black Steel Reducing Tees</b> <small>(23 21 13 23-0393)</small>		
23 21 13 23-0478	EA	3/4" Standard Weight, Welded Plain End Black Steel Reducing Tee	214.32	105.83
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	47.64	
		<i>For Work In Restricted Working Space, Add</i>	47.60	
23 21 13 23-0479	EA	1" Standard Weight, Welded Plain End Black Steel Reducing Tee	219.39	109.21
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	48.63	
		<i>For Work In Restricted Working Space, Add</i>	49.12	
23 21 13 23-0480	EA	1-1/4" Standard Weight, Welded Plain End Black Steel Reducing Tee	245.67	121.50
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	54.58	
		<i>For Work In Restricted Working Space, Add</i>	54.64	
23 21 13 23-0481	EA	1-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee	268.25	136.54
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	58.98	
		<i>For Work In Restricted Working Space, Add</i>	61.41	
23 21 13 23-0482	EA	2" Standard Weight, Welded Plain End Black Steel Reducing Tee	340.63	182.29
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	73.48	
		<i>For Work In Restricted Working Space, Add</i>	82.01	
23 21 13 23-0483	EA	2-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee	380.92	204.91
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	82.02	
		<i>For Work In Restricted Working Space, Add</i>	92.15	
23 21 13 23-0484	EA	3" Standard Weight, Welded Plain End Black Steel Reducing Tee	454.56	248.72
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	97.25	
		<i>For Work In Restricted Working Space, Add</i>	111.77	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0485	EA	4" Standard Weight, Welded Plain End Black Steel Reducing Tee ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	652.77 139.27 161.61	359.36
23 21	13 23-0486	EA	6" Standard Weight, Welded Plain End Black Steel Reducing Tee ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,097.60 235.83 267.01	593.65
23 21	13 23-0487	EA	8" Standard Weight, Welded Plain End Black Steel Reducing Tee ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,578.79 348.23 358.32	796.65
23 21	13 23-0488	EA	10" Standard Weight, Welded Plain End Black Steel Reducing Tee ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,038.01 465.09 418.04	929.39
23 21	13 23-0489	EA	12" Standard Weight, Welded Plain End Black Steel Reducing Tee ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,771.87 643.44 537.48	1,194.98
23 21	13 23-0490	EA	14" Standard Weight, Welded Plain End Black Steel Reducing Tee ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,666.28 880.41 627.06	1,394.19
23 21	13 23-0491	EA	16" Standard Weight, Welded Plain End Black Steel Reducing Tee ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,413.62 1,060.72 752.47	1,672.99
23 21	13 23-0492	EA	18" Standard Weight, Welded Plain End Black Steel Reducing Tee ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	5,899.35 1,477.18 836.08	1,858.88
23 21	13 23-0493	EA	20" Standard Weight, Welded Plain End Black Steel Reducing Tee ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	8,055.78 2,087.53 940.58	2,091.28
23 21	13 23-0494	EA	24" Standard Weight, Welded Plain End Black Steel Reducing Tee ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	9,823.36 2,592.48 1,012.94	2,252.15
23 21	13 23-0495		<b>Welded Plain End Black Steel Eccentric Reducers</b> <small>(23 21 13 23-0393)</small>		
23 21	13 23-0496	EA	1" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	198.15 48.97 29.93	66.56
23 21	13 23-0497	EA	1-1/4" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	207.87 50.86 32.85	73.04
23 21	13 23-0498	EA	1-1/4" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	205.32 50.37 32.09	71.34
23 21	13 23-0499	EA	1-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	219.64 53.16 36.38	80.89
23 21	13 23-0500	EA	1-1/2" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	212.47 51.76 34.23	76.11
23 21	13 23-0501	EA	1-1/2" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	209.92 51.26 33.47	74.41
23 21	13 23-0502	EA	2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	204.41 46.12 43.44	96.58
23 21	13 23-0503	EA	2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	236.72 56.30 42.06	93.51
23 21	13 23-0504	EA	2" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	229.56 54.90 39.91	88.74
23 21	13 23-0505	EA	2-1/2" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	253.33 56.66 55.26	122.87
23 21	13 23-0506	EA	2-1/2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	246.30 56.54 49.58	110.24
23 21	13 23-0507	EA	2-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	307.24 75.30 48.20	107.16
23 21	13 23-0508	EA	3" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	282.45 63.02 62.03	137.87
23 21	13 23-0509	EA	3" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	287.80 64.63 62.03	137.87
23 21	13 23-0510	EA	3" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	299.13 68.03 62.03	137.87
23 21	13 23-0511	EA	4" x 3" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	458.05 99.71 107.74	239.51
23 21	13 23-0512	EA	4" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	463.41 101.31 107.74	239.51
23 21	13 23-0513	EA	4" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	479.51 106.14 107.74	239.51
23 21	13 23-0514	EA	6" x 4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	788.65 175.18 175.46	390.06

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 20 HVAC Piping and Pumps**

**23 21 Hydronic Piping and Pumps**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 21 13 23-0515	EA 6" x 3" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	904.24 209.86 175.46	390.06
23 21 13 23-0516	EA 8" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,149.83 251.50 267.01	593.65
23 21 13 23-0517	EA 8" x 4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,364.92 316.02 267.01	593.65
23 21 13 23-0518	EA 10" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,363.76 301.66 307.06	682.69
23 21 13 23-0519	EA 10" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,622.36 379.24 307.06	682.69
23 21 13 23-0520	EA 10" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,962.59 481.31 -300.50 307.06	682.69
23 21 13 23-0521	EA 12" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,723.02 391.73 357.64	795.11
23 21 13 23-0522	EA 12" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,025.12 482.36 357.64	795.11
23 21 13 23-0523	EA 12" x 6" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	2,535.77 635.56 -429.96 357.64	795.11
23 21 13 23-0524	EA 12" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,714.46 389.16 -167.15 357.64	795.11
23 21 13 23-0525	EA 14" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,325.36 551.30 418.04	929.39
23 21 13 23-0526	EA 14" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,484.45 599.02 418.04	929.39
23 21 13 23-0527	EA 14" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,070.53 1,074.85 418.04	929.39
23 21 13 23-0528	EA 16" x 14" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,992.90 733.27 470.29	1,045.64
23 21 13 23-0529	EA 16" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,461.25 873.77 470.29	1,045.64
23 21 13 23-0530	EA 16" x 10" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	3,643.57 928.47 -664.30 470.29	1,045.64
23 21 13 23-0531	EA 16" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	5,697.46 1,544.64 470.29	1,045.64
23 21 13 23-0532	EA 16" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	6,719.50 1,851.25 470.29	1,045.64
23 21 13 23-0533	EA 18" x 16" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,359.09 1,119.61 537.48	1,194.98
23 21 13 23-0534	EA 18" x 14" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	2,251.97 487.47 -147.32 537.48	1,194.98
23 21 13 23-0535	EA 18" x 12" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	4,605.18 1,193.44 -900.35 537.48	1,194.98
23 21 13 23-0536	EA 18" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,968.05 1,302.30 537.48	1,194.98
23 21 13 23-0537	EA 18" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	8,035.74 2,222.61 537.48	1,194.98
23 21 13 23-0538	EA 20" x 18" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	5,247.49 1,361.86 -1,031.91 606.83	1,349.14
23 21 13 23-0539	EA 20" x 16" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	5,239.15 1,359.36 -1,029.24 606.83	1,349.14
23 21 13 23-0540	EA 20" x 14" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	9,297.48 2,576.85 -2,327.91 606.83	1,349.14
23 21 13 23-0541	EA 20" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	10,925.30 3,065.20 606.83	1,349.14



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0542	EA	20" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	13,367.14 3,797.75 606.83	1,349.14
23 21	13 23-0543	EA	24" x 20" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	6,318.33 1,676.03 -1,353.00 627.06	1,394.19
23 21	13 23-0544	EA	24" x 18" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	6,810.31 1,823.62 -1,510.44 627.06	1,394.19
23 21	13 23-0545	EA	24" x 16" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	9,096.16 2,509.38 -2,241.91 627.06	1,394.19
23 21	13 23-0546	EA	24" x 14" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	13,349.91 3,785.50 627.06	1,394.19
23 21	13 23-0547	EA	24" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	16,539.45 4,742.37 627.06	1,394.19
<b>23 21 13 23-0548 Welded Plain End Black Steel Concentric Reducers</b> <small>(23 21 13 23-0393)</small>					
23 21	13 23-0549	EA	1" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	172.40 41.24 29.93	66.56
23 21	13 23-0550	EA	1-1/4" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	182.12 43.14 32.85	73.04
23 21	13 23-0551	EA	1-1/4" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	179.57 42.64 32.09	71.34
23 21	13 23-0552	EA	1-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	193.89 45.43 36.38	80.89
23 21	13 23-0553	EA	1-1/2" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	186.72 44.04 34.23	76.11
23 21	13 23-0554	EA	1-1/2" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	184.17 43.54 33.47	74.41
23 21	13 23-0555	EA	2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	191.28 42.18 43.44	96.58
23 21	13 23-0556	EA	2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	186.67 41.28 42.06	93.51
23 21	13 23-0557	EA	2" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	197.39 45.25 39.91	88.74
23 21	13 23-0558	EA	2-1/2" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	243.80 53.80 55.26	122.87
23 21	13 23-0559	EA	2-1/2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	240.95 54.93 49.58	110.24
23 21	13 23-0560	EA	2-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	261.95 61.72 48.20	107.16
23 21	13 23-0561	EA	3" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	255.04 54.80 62.03	137.87
23 21	13 23-0562	EA	3" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	258.61 55.87 62.03	137.87
23 21	13 23-0563	EA	3" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	266.37 58.20 62.03	137.87
23 21	13 23-0564	EA	4" x 3" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	421.11 88.62 107.74	239.51
23 21	13 23-0565	EA	4" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	434.82 92.74 107.74	239.51
23 21	13 23-0566	EA	4" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	434.82 92.74 107.74	239.51
23 21	13 23-0567	EA	6" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	714.79 153.03 175.46	390.06
23 21	13 23-0568	EA	6" x 3" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	742.18 161.24 175.46	390.06
23 21	13 23-0569	EA	8" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,060.45 224.68 267.01	593.65
23 21	13 23-0570	EA	8" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,109.31 239.34 267.01	593.65

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 20 HVAC Piping and Pumps**

**23 21 Hydronic Piping and Pumps**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0571	EA	10" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,354.23 298.80 307.06	682.69
23 21	13 23-0572	EA	10" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,333.97 292.72 307.06	682.69
23 21	13 23-0573	EA	10" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,589.00 369.23 307.06	682.69
23 21	13 23-0574	EA	12" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,600.88 355.09 357.64	795.11
23 21	13 23-0575	EA	12" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,662.11 373.46 357.64	795.11
23 21	13 23-0576	EA	12" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,684.29 380.11 357.64	795.11
23 21	13 23-0577	EA	12" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,334.36 575.14 357.64	795.11
23 21	13 23-0578	EA	14" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,008.36 456.20 418.04	929.39
23 21	13 23-0579	EA	14" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,235.38 524.30 418.04	929.39
23 21	13 23-0580	EA	14" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,432.60 583.47 418.04	929.39
23 21	13 23-0581	EA	14" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,194.84 812.14 418.04	929.39
23 21	13 23-0582	EA	16" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,643.73 628.52 470.29	1,045.64
23 21	13 23-0583	EA	16" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,643.73 628.52 470.29	1,045.64
23 21	13 23-0584	EA	16" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,756.95 662.48 470.29	1,045.64
23 21	13 23-0585	EA	16" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,132.92 775.27 470.29	1,045.64
23 21	13 23-0586	EA	16" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,690.02 1,242.40 470.29	1,045.64
23 21	13 23-0587	EA	18" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,967.20 702.04 537.48	1,194.98
23 21	13 23-0588	EA	18" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,257.38 789.10 537.48	1,194.98
23 21	13 23-0589	EA	18" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,378.93 825.56 537.48	1,194.98
23 21	13 23-0590	EA	18" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,709.61 924.77 537.48	1,194.98
23 21	13 23-0591	EA	18" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	7,509.81 2,064.83 537.48	1,194.98
23 21	13 23-0592	EA	20" x 18" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,040.28 999.70 606.83	1,349.14
23 21	13 23-0593	EA	20" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,040.28 999.70 606.83	1,349.14
23 21	13 23-0594	EA	20" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,123.11 1,024.54 606.83	1,349.14
23 21	13 23-0595	EA	20" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,613.50 1,171.66 606.83	1,349.14
23 21	13 23-0596	EA	20" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	5,466.74 1,427.63 606.83	1,349.14
23 21	13 23-0597	EA	24" x 20" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,372.30 1,092.22 627.06	1,394.19
23 21	13 23-0598	EA	24" x 18" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,424.12 1,107.77 627.06	1,394.19
23 21	13 23-0599	EA	24" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,525.41 1,138.15 627.06	1,394.19
23 21	13 23-0600	EA	24" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	6,870.67 1,841.73 627.06	1,394.19

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0601	EA	24" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	7,333.65 1,980.63 627.06	1,394.19
<b>23 21</b>	<b>13 23-0602</b>		<b>Welded Plain End Black Steel Caps <small>(23 21 13 23-0393)</small></b>		
23 21	13 23-0603	EA	1" Standard Weight, Welded Plain End Black Steel Cap..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	62.98 12.50 15.35	34.19
23 21	13 23-0604	EA	1-1/4" Standard Weight, Welded Plain End Black Steel Cap..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	68.83 13.61 16.89	37.56
23 21	13 23-0605	EA	1-1/2" Standard Weight, Welded Plain End Black Steel Cap..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	71.61 14.19 17.50	38.90
23 21	13 23-0606	EA	2" Standard Weight, Welded Plain End Black Steel Cap..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	88.00 17.06 22.42	49.84
23 21	13 23-0607	EA	2-1/2" Standard Weight, Welded Plain End Black Steel Cap..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	103.35 19.75 27.02	60.08
23 21	13 23-0608	EA	3" Standard Weight, Welded Plain End Black Steel Cap..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	123.08 23.94 31.17	69.30
23 21	13 23-0609	EA	4" Standard Weight, Welded Plain End Black Steel Cap..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	205.07 39.08 53.87	119.75
23 21	13 23-0610	EA	6" Standard Weight, Welded Plain End Black Steel Cap..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	345.13 66.45 89.00	197.85
23 21	13 23-0611	EA	8" Standard Weight, Welded Plain End Black Steel Cap..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	488.52 94.58 124.74	277.38
23 21	13 23-0612	EA	10" Standard Weight, Welded Plain End Black Steel Cap..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	652.45 130.13 157.46	350.15
23 21	13 23-0613	EA	12" Standard Weight, Welded Plain End Black Steel Cap..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	742.81 149.93 174.99	389.06
23 21	13 23-0614	EA	14" Standard Weight, Welded Plain End Black Steel Cap..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	996.55 211.87 209.02	464.69
23 21	13 23-0615	EA	16" Standard Weight, Welded Plain End Black Steel Cap..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,157.37 246.07 242.73	539.65
23 21	13 23-0616	EA	18" Standard Weight, Welded Plain End Black Steel Cap..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,296.35 276.93 268.74	597.54
<b>23 21</b>	<b>13 23-0617</b>		<b>150 LB, Welded Plain End Black Steel Neck Flanges <small>(23 21 13 23-0393)</small></b>		
Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0669 for Class 150 steel bolt and gasket set.					
23 21	13 23-0618	EA	2", 150 LB, Welded Plain End Black Steel Neck Flange..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	154.59 39.37 34.71	77.17
23 21	13 23-0619	EA	2-1/2", 150 LB, Welded Plain End Black Steel Neck Flange..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	183.26 42.38 43.31	96.31
23 21	13 23-0620	EA	3", 150 LB, Welded Plain End Black Steel Neck Flange..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	204.01 44.58 49.52	110.13
23 21	13 23-0621	EA	4", 150 LB, Welded Plain End Black Steel Neck Flange..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	267.38 57.59 65.33	145.24
23 21	13 23-0622	EA	6", 150 LB, Welded Plain End Black Steel Neck Flange..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	406.49 88.09 99.05	220.26
23 21	13 23-0623	EA	8", 150 LB, Welded Plain End Black Steel Neck Flange..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	458.46 119.25 101.68	226.13
23 21	13 23-0624	EA	10", 150 LB, Welded Plain End Black Steel Neck Flange..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	599.75 166.88 127.54	283.52
23 21	13 23-0625	EA	12", 150 LB, Welded Plain End Black Steel Neck Flange..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	736.98 228.89 144.71	321.73
23 21	13 23-0626	EA	14", 150 LB, Welded Plain End Black Steel Neck Flange..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	969.86 331.83 174.99	389.06
23 21	13 23-0627	EA	16", 150 LB, Welded Plain End Black Steel Neck Flange..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,281.83 493.93 203.37	452.16
23 21	13 23-0628	EA	18", 150 LB, Welded Plain End Black Steel Neck Flange..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,598.49 666.70 228.02	506.95
23 21	13 23-0629	EA	20", 150 LB, Welded Plain End Black Steel Neck Flange..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,026.60 844.62 289.41	643.45

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 20 HVAC Piping and Pumps**

**23 21 Hydronic Piping and Pumps**



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 21 13 23-0630	EA	24", 150 LB, Welded Plain End Black Steel Neck Flange.....	2,306.07	697.09
		<i>For 300 LB Rating, Add</i>	992.42	
		<i>For Work In Restricted Working Space, Add</i>	313.53	

**23 21 13 23-0631 150 LB, Welded Black Steel Slip-On Flanges** (23 21 13 23-0393)

Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0669 for Class 150 steel bolt and gasket set.

23 21 13 23-0632	EA	2", 150 LB, Welded Black Steel Slip-On Flanges.....	110.72	77.17
		<i>For 300 LB Rating, Add</i>	26.41	
		<i>For Work In Restricted Working Space, Add</i>	27.64	
23 21 13 23-0633	EA	2-1/2", 150 LB, Welded Black Steel Slip-On Flange.....	136.48	96.31
		<i>For 300 LB Rating, Add</i>	33.32	
		<i>For Work In Restricted Working Space, Add</i>	33.78	
23 21 13 23-0634	EA	3", 150 LB, Welded Black Steel Slip-On Flange.....	161.17	110.13
		<i>For 300 LB Rating, Add</i>	39.27	
		<i>For Work In Restricted Working Space, Add</i>	39.92	
23 21 13 23-0635	EA	4", 150 LB, Welded Black Steel Slip-On Flange.....	212.36	145.24
		<i>For 300 LB Rating, Add</i>	52.79	
		<i>For Work In Restricted Working Space, Add</i>	52.20	
23 21 13 23-0636	EA	6", 150 LB, Welded Black Steel Slip-On Flange.....	314.92	220.26
		<i>For 300 LB Rating, Add</i>	80.00	
		<i>For Work In Restricted Working Space, Add</i>	76.77	
23 21 13 23-0637	EA	8", 150 LB, Welded Black Steel Slip-On Flange.....	398.50	226.13
		<i>For 300 LB Rating, Add</i>	113.23	
		<i>For Work In Restricted Working Space, Add</i>	92.61	
23 21 13 23-0638	EA	10", 150 LB, Welded Black Steel Slip-On Flange.....	540.91	283.52
		<i>For 300 LB Rating, Add</i>	180.04	
		<i>For Work In Restricted Working Space, Add</i>	115.76	
23 21 13 23-0639	EA	12", 150 LB, Welded Black Steel Slip-On Flange.....	707.66	321.73
		<i>For 300 LB Rating, Add</i>	268.76	
		<i>For Work In Restricted Working Space, Add</i>	138.92	
23 21 13 23-0640	EA	14", 150 LB, Welded Black Steel Slip-On Flange.....	897.61	389.06
		<i>For 300 LB Rating, Add</i>	378.36	
		<i>For Work In Restricted Working Space, Add</i>	162.07	
23 21 13 23-0641	EA	16", 150 LB, Welded Black Steel Slip-On Flange.....	1,079.28	452.16
		<i>For 300 LB Rating, Add</i>	495.85	
		<i>For Work In Restricted Working Space, Add</i>	179.43	
23 21 13 23-0642	EA	18", 150 LB, Welded Black Steel Slip-On Flange.....	1,195.51	506.95
		<i>For 300 LB Rating, Add</i>	554.44	
		<i>For Work In Restricted Working Space, Add</i>	196.80	
23 21 13 23-0643	EA	20", 150 LB, Welded Black Steel Slip-On Flange.....	1,327.11	643.45
		<i>For 300 LB Rating, Add</i>	626.86	
		<i>For Work In Restricted Working Space, Add</i>	214.16	
23 21 13 23-0644	EA	24", 150 LB, Welded Black Steel Slip-On Flange.....	1,518.67	697.09
		<i>For 300 LB Rating, Add</i>	707.23	
		<i>For Work In Restricted Working Space, Add</i>	248.90	

**23 21 13 23-0645 150 LB, Forged Steel Blind Flanges** (23 21 13 23-0393)

23 21 13 23-0646	EA	2", 150 LB, Forged Steel Blind Flange.....	76.79	27.42
		<i>For 300 LB Rating, Add</i>	23.32	
		<i>For 600 LB Rating, Add</i>	60.91	
		<i>For Work In Restricted Working Space, Add</i>	16.45	
23 21 13 23-0647	EA	2-1/2", 150 LB, Forged Steel Blind Flange.....	101.39	32.90
		<i>For 300 LB Rating, Add</i>	35.38	
		<i>For 600 LB Rating, Add</i>	95.29	
		<i>For Work In Restricted Working Space, Add</i>	19.74	
23 21 13 23-0648	EA	3", 150 LB, Forged Steel Blind Flange.....	124.55	43.87
		<i>For 300 LB Rating, Add</i>	38.66	
		<i>For 600 LB Rating, Add</i>	101.51	
		<i>For Work In Restricted Working Space, Add</i>	26.32	
23 21 13 23-0649	EA	4", 150 LB, Forged Steel Blind Flange.....	160.41	54.84
		<i>For 300 LB Rating, Add</i>	52.11	
		<i>For 600 LB Rating, Add</i>	138.23	
		<i>For Work In Restricted Working Space, Add</i>	32.90	
23 21 13 23-0650	EA	6", 150 LB, Forged Steel Blind Flange.....	219.45	71.29
		<i>For 300 LB Rating, Add</i>	76.47	
		<i>For 600 LB Rating, Add</i>	205.90	
		<i>For Work In Restricted Working Space, Add</i>	42.77	
23 21 13 23-0651	EA	8", 150 LB, Forged Steel Blind Flange.....	286.47	82.25
		<i>For 300 LB Rating, Add</i>	114.84	
		<i>For 600 LB Rating, Add</i>	317.38	
		<i>For Work In Restricted Working Space, Add</i>	49.35	
23 21 13 23-0652	EA	10", 150 LB, Forged Steel Blind Flange.....	435.57	98.70
		<i>For 300 LB Rating, Add</i>	211.26	
		<i>For 600 LB Rating, Add</i>	601.20	
		<i>For Work In Restricted Working Space, Add</i>	59.22	
23 21 13 23-0653	EA	12", 150 LB, Forged Steel Blind Flange.....	567.39	115.15
		<i>For 300 LB Rating, Add</i>	293.85	
		<i>For 600 LB Rating, Add</i>	843.54	
		<i>For Work In Restricted Working Space, Add</i>	69.09	
23 21 13 23-0654	EA	14", 150 LB, Forged Steel Blind Flange.....	957.24	131.61
		<i>For 300 LB Rating, Add</i>	582.86	
		<i>For Work In Restricted Working Space, Add</i>	78.96	
23 21 13 23-0655	EA	16", 150 LB, Forged Steel Blind Flange.....	1,027.66	148.05
		<i>For 300 LB Rating, Add</i>	616.33	
		<i>For Work In Restricted Working Space, Add</i>	88.83	
23 21 13 23-0656	EA	18", 150 LB, Forged Steel Blind Flange.....	1,156.48	180.95
		<i>For 300 LB Rating, Add</i>	673.65	
		<i>For Work In Restricted Working Space, Add</i>	108.58	

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
23 21	13 23-0657	EA 20", 150 LB, Forged Steel Blind Flange..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,482.71 911.77 118.45	197.41
23 21	13 23-0658	EA 24", 150 LB, Forged Steel Blind Flange..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,018.12 1,294.37 138.19	230.31
<b>23 21 13 23-0659 3,000 LB, Forge Steel Thread-O-Lets <small>(23 21 13 23-0393)</small></b>				
23 21	13 23-0660	EA 1/2", 3,000 LB, Forge Steel Thread-O-Let..... <i>For Weld-O-Lets, Add</i> <i>For Sock-O-Lets, Add</i> <i>For Work In Restricted Working Space, Add</i>	76.40 5.96 29.63 19.34	
23 21	13 23-0661	EA 3/4", 3,000 LB, Forge Steel Thread-O-Let..... <i>For Weld-O-Lets, Add</i> <i>For Sock-O-Lets, Add</i> <i>For Work In Restricted Working Space, Add</i>	81.55 7.00 31.69 20.27	
23 21	13 23-0662	EA 1", 3,000 LB, Forge Steel Thread-O-Let..... <i>For Weld-O-Lets, Add</i> <i>For Sock-O-Lets, Add</i> <i>For Work In Restricted Working Space, Add</i>	87.35 7.85 33.98 21.50	
23 21	13 23-0663	EA 1-1/4", 3,000 LB, Forge Steel Thread-O-Let..... <i>For Weld-O-Lets, Add</i> <i>For Sock-O-Lets, Add</i> <i>For Work In Restricted Working Space, Add</i>	99.02 11.13 38.74 23.03	
23 21	13 23-0664	EA 1-1/2", 3,000 LB, Forge Steel Thread-O-Let..... <i>For Weld-O-Lets, Add</i> <i>For Sock-O-Lets, Add</i> <i>For Work In Restricted Working Space, Add</i>	109.26 11.13 42.63 26.10	
23 21	13 23-0665	EA 2", 3,000 LB, Forge Steel Thread-O-Let..... <i>For Weld-O-Lets, Add</i> <i>For Sock-O-Lets, Add</i> <i>For Work In Restricted Working Space, Add</i>	141.56 13.92 55.18 34.12	
23 21	13 23-0666	EA 2-1/2", 3,000 LB, Forge Steel Thread-O-Let..... <i>For Weld-O-Lets, Add</i> <i>For Sock-O-Lets, Add</i> <i>For Work In Restricted Working Space, Add</i>	247.24 50.51 99.00 43.87	
23 21	13 23-0667	EA 3", 3,000 LB, Forge Steel Thread-O-Let..... <i>For Weld-O-Lets, Add</i> <i>For Sock-O-Lets, Add</i> <i>For Work In Restricted Working Space, Add</i>	306.33 50.81 121.49 61.41	
23 21	13 23-0668	EA 4", 3,000 LB, Forge Steel Thread-O-Let..... <i>For Weld-O-Lets, Add</i> <i>For Sock-O-Lets, Add</i> <i>For Work In Restricted Working Space, Add</i>	454.81 99.46 182.77 76.77	
<b>23 21 13 23-0669 Class 150 Flange, Steel Bolt And Gasket Sets <small>(23 21 13 23-0393)</small></b>				
Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.				
23 21	13 23-0670	EA 3/4" To 1-1/2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set..... Note: Includes rubber gasket, and four (4) 1/2" diameter bolts with washers and nut. <i>For Zinc Plated, Add</i> <i>For Hot Dip Galvanized, Add</i> <i>For Advanced Fluoropolymer (Blue Coating), Add</i>	14.65 4.10 5.86 10.26	
23 21	13 23-0671	EA 2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set..... Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut. <i>For Zinc Plated, Add</i> <i>For Hot Dip Galvanized, Add</i> <i>For Advanced Fluoropolymer (Blue Coating), Add</i>	18.63 5.22 7.45 13.04	
23 21	13 23-0672	EA 2-1/2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set..... Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut. <i>For Zinc Plated, Add</i> <i>For Hot Dip Galvanized, Add</i> <i>For Advanced Fluoropolymer (Blue Coating), Add</i>	18.82 5.27 7.53 13.17	
23 21	13 23-0673	EA 3" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set..... Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut. <i>For Zinc Plated, Add</i> <i>For Hot Dip Galvanized, Add</i> <i>For Advanced Fluoropolymer (Blue Coating), Add</i>	18.90 5.29 7.56 13.23	
23 21	13 23-0674	EA 4" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set..... Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut. <i>For Zinc Plated, Add</i> <i>For Hot Dip Galvanized, Add</i> <i>For Advanced Fluoropolymer (Blue Coating), Add</i>	42.46 11.89 16.98 29.72	
23 21	13 23-0675	EA 5" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set..... Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut. <i>For Zinc Plated, Add</i> <i>For Hot Dip Galvanized, Add</i> <i>For Advanced Fluoropolymer (Blue Coating), Add</i>	60.65 16.98 24.26 42.46	
23 21	13 23-0676	EA 6" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set..... Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut. <i>For Zinc Plated, Add</i> <i>For Hot Dip Galvanized, Add</i> <i>For Advanced Fluoropolymer (Blue Coating), Add</i>	65.56 18.36 26.22 45.89	
23 21	13 23-0677	EA 8" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set..... Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut. <i>For Zinc Plated, Add</i> <i>For Hot Dip Galvanized, Add</i> <i>For Advanced Fluoropolymer (Blue Coating), Add</i>	71.79 20.10 28.72 50.25	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 21 13 23-0678	EA	10" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	158.98	
		Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	44.51	
		For Hot Dip Galvanized, Add	63.59	
		For Advanced Fluoropolymer (Blue Coating), Add	111.29	
23 21 13 23-0679	EA	12" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	161.86	
		Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	45.32	
		For Hot Dip Galvanized, Add	64.74	
		For Advanced Fluoropolymer (Blue Coating), Add	113.30	
23 21 13 23-0680	EA	14" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	181.52	
		Note: Includes rubber gasket, and twelve (12) 1" diameter bolts with washers and nut.		
		For Zinc Plated, Add	50.83	
		For Hot Dip Galvanized, Add	72.61	
		For Advanced Fluoropolymer (Blue Coating), Add	127.06	
23 21 13 23-0681	EA	16" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	301.90	
		Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.		
		For Zinc Plated, Add	84.53	
		For Hot Dip Galvanized, Add	120.76	
		For Advanced Fluoropolymer (Blue Coating), Add	211.33	
23 21 13 23-0682	EA	18" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	435.65	
		Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	121.98	
		For Hot Dip Galvanized, Add	174.26	
		For Advanced Fluoropolymer (Blue Coating), Add	304.96	
23 21 13 23-0683	EA	20" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	550.36	
		Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	154.10	
		For Hot Dip Galvanized, Add	220.14	
		For Advanced Fluoropolymer (Blue Coating), Add	385.25	
23 21 13 23-0684	EA	24" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	784.72	
		Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	219.72	
		For Hot Dip Galvanized, Add	313.89	
		For Advanced Fluoropolymer (Blue Coating), Add	549.30	
23 21 13 23-0685	EA	30" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	1,238.93	
		Note: Includes rubber gasket, and twenty-eight (28) 1-1/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	346.90	
		For Hot Dip Galvanized, Add	495.57	
		For Advanced Fluoropolymer (Blue Coating), Add	867.25	
23 21 13 23-0686	EA	36" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	1,763.52	
		Note: Includes rubber gasket, and thirty-two (32) 1-1/2" diameter bolts with washers and nut.		
		For Zinc Plated, Add	493.79	
		For Hot Dip Galvanized, Add	705.41	
		For Advanced Fluoropolymer (Blue Coating), Add	1,234.46	
23 21 13 23-0687		<b>Class 300 Flange, Steel Bolt And Gasket Sets</b> <small>(23 21 13 23-0393)</small>		
		Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.		
23 21 13 23-0688	EA	3/4" To 1-1/2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set .....	23.26	
		Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	6.51	
		For Hot Dip Galvanized, Add	9.30	
		For Advanced Fluoropolymer (Blue Coating), Add	16.28	
23 21 13 23-0689	EA	2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	43.03	
		Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	12.05	
		For Hot Dip Galvanized, Add	17.21	
		For Advanced Fluoropolymer (Blue Coating), Add	30.12	
23 21 13 23-0690	EA	2-1/2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	67.21	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	18.82	
		For Hot Dip Galvanized, Add	26.88	
		For Advanced Fluoropolymer (Blue Coating), Add	47.05	
23 21 13 23-0691	EA	3" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	73.02	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	20.45	
		For Hot Dip Galvanized, Add	29.21	
		For Advanced Fluoropolymer (Blue Coating), Add	51.11	
23 21 13 23-0692	EA	4" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	74.52	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	20.87	
		For Hot Dip Galvanized, Add	29.81	
		For Advanced Fluoropolymer (Blue Coating), Add	52.16	
23 21 13 23-0693	EA	5" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	79.75	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	22.33	
		For Hot Dip Galvanized, Add	31.90	
		For Advanced Fluoropolymer (Blue Coating), Add	55.83	
23 21 13 23-0694	EA	6" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	115.22	
		Note: Includes rubber gasket, and twelve (12) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	32.26	
		For Hot Dip Galvanized, Add	46.09	
		For Advanced Fluoropolymer (Blue Coating), Add	80.65	
23 21 13 23-0695	EA	8" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	178.87	
		Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	50.08	
		For Hot Dip Galvanized, Add	71.55	
		For Advanced Fluoropolymer (Blue Coating), Add	125.21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0696	EA	10" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set..... Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut. For Zinc Plated, Add For Hot Dip Galvanized, Add For Advanced Fluoropolymer (Blue Coating), Add	327.94 91.82 131.18 229.56	
23 21	13 23-0697	EA	12" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set..... Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut. For Zinc Plated, Add For Hot Dip Galvanized, Add For Advanced Fluoropolymer (Blue Coating), Add	473.47 132.57 189.39 331.43	
23 21	13 23-0698	EA	14" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set..... Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut. For Zinc Plated, Add For Hot Dip Galvanized, Add For Advanced Fluoropolymer (Blue Coating), Add	648.16 181.48 259.26 453.71	
23 21	13 23-0699	EA	16" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set..... Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut. For Zinc Plated, Add For Hot Dip Galvanized, Add For Advanced Fluoropolymer (Blue Coating), Add	895.19 250.65 358.08 626.63	
23 21	13 23-0700	EA	18" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set..... Note: Includes rubber gasket, and twenty-four (24) 1-1/4" diameter bolts with washers and nut. For Zinc Plated, Add For Hot Dip Galvanized, Add For Advanced Fluoropolymer (Blue Coating), Add	1,149.44 321.84 459.78 804.61	
23 21	13 23-0701	EA	20" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set..... Note: Includes rubber gasket, and twenty-four (24) 1-1/4" diameter bolts with washers and nut. For Zinc Plated, Add For Hot Dip Galvanized, Add For Advanced Fluoropolymer (Blue Coating), Add	1,219.71 341.52 487.88 853.80	
23 21	13 23-0702	EA	24" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set..... Note: Includes rubber gasket, and twenty-four (24) 1-1/2" diameter bolts with washers and nut. For Zinc Plated, Add For Hot Dip Galvanized, Add For Advanced Fluoropolymer (Blue Coating), Add	1,545.87 432.84 618.35 1,082.11	
23 21	13 23-0703	EA	30" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set..... Note: Includes rubber gasket, and twenty-eight (28) 1-3/4" diameter bolts with washers and nut. For Zinc Plated, Add For Hot Dip Galvanized, Add For Advanced Fluoropolymer (Blue Coating), Add	2,426.76 679.49 970.70 1,698.73	
23 21	13 23-0704	EA	36" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set..... Note: Includes rubber gasket, and thirty-two (32) 2" diameter bolts with washers and nut. For Zinc Plated, Add For Hot Dip Galvanized, Add For Advanced Fluoropolymer (Blue Coating), Add	3,684.04 1,031.53 1,473.62 2,578.83	
23 21	13 23-0705		<b>Class 150 Flange, Stainless Steel Bolt And Gasket Sets</b> <small>(23 21 13 23-0393)</small> Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.		
23 21	13 23-0706	EA	3/4" To 1-1/2" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set..... Note: Includes rubber gasket, and four (4) 1/2" diameter bolts with washers and nut.	14.65	
23 21	13 23-0707	EA	2" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set..... Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.	45.94	
23 21	13 23-0708	EA	2-1/2" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set..... Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.	46.03	
23 21	13 23-0709	EA	3" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set..... Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.	46.11	
23 21	13 23-0710	EA	4" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set..... Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut.	97.43	
23 21	13 23-0711	EA	5" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set..... Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	123.65	
23 21	13 23-0712	EA	6" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set..... Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	139.51	
23 21	13 23-0713	EA	8" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set..... Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	140.32	
23 21	13 23-0714	EA	10" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set..... Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.	361.88	
23 21	13 23-0715	EA	12" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set..... Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.	363.40	
23 21	13 23-0716	EA	14" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set..... Note: Includes rubber gasket, and twelve (12) 1" diameter bolts with washers and nut.	549.96	
23 21	13 23-0717	EA	16" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set..... Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.	732.62	
23 21	13 23-0718	EA	18" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set..... Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.	1,903.34	
23 21	13 23-0719	EA	20" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set..... Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.	2,205.23	
23 21	13 23-0720	EA	24" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set..... Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.	2,546.13	
23 21	13 23-0721		<b>150 LB, Rubber Flange Gasket Replacement</b> <small>(23 21 13 23-0393)</small> Note: Includes unbolting, removal of old gaskets, new 150 LB rubber gasket and rebolting.		
23 21	13 23-0722	EA	1/2", 150 LB, Rubber Flange Gasket Replacement..... For 300 LB Rating Gasket Set, Add For 150 LB Rating Teflon Gasket Set, Add For 300 LB Rating Teflon Gasket Set, Add For Work In Restricted Working Space, Add	30.92 0.22 4.79 5.52 9.09	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 21 13 23-0723	EA	3/4", 150 LB, Rubber Flange Gasket Replacement	33.16	
		<i>For 300 LB Rating Gasket Set, Add</i>	0.29	
		<i>For 150 LB Rating Teflon Gasket Set, Add</i>	6.42	
		<i>For 300 LB Rating Teflon Gasket Set, Add</i>	7.39	
		<i>For Work In Restricted Working Space, Add</i>	9.70	
23 21 13 23-0724	EA	1", 150 LB, Rubber Flange Gasket Replacement	36.80	
		<i>For 300 LB Rating Gasket Set, Add</i>	0.51	
		<i>For 150 LB Rating Teflon Gasket Set, Add</i>	11.21	
		<i>For 300 LB Rating Teflon Gasket Set, Add</i>	12.91	
		<i>For Work In Restricted Working Space, Add</i>	10.61	
23 21 13 23-0725	EA	1-1/4", 150 LB, Rubber Flange Gasket Replacement	40.05	
		<i>For 300 LB Rating Gasket Set, Add</i>	0.58	
		<i>For 150 LB Rating Teflon Gasket Set, Add</i>	12.83	
		<i>For 300 LB Rating Teflon Gasket Set, Add</i>	14.77	
		<i>For Work In Restricted Working Space, Add</i>	11.52	
23 21 13 23-0726	EA	1-1/2", 150 LB, Rubber Flange Gasket Replacement	44.49	
		<i>For 300 LB Rating Gasket Set, Add</i>	0.72	
		<i>For 150 LB Rating Teflon Gasket Set, Add</i>	16.00	
		<i>For 300 LB Rating Teflon Gasket Set, Add</i>	18.42	
		<i>For Work In Restricted Working Space, Add</i>	12.73	
23 21 13 23-0727	EA	2", 150 LB, Rubber Flange Gasket Replacement	49.37	
		<i>For 300 LB Rating Gasket Set, Add</i>	1.02	
		<i>For 150 LB Rating Teflon Gasket Set, Add</i>	22.42	
		<i>For 300 LB Rating Teflon Gasket Set, Add</i>	25.81	
		<i>For Work In Restricted Working Space, Add</i>	13.94	
23 21 13 23-0728	EA	2-1/2", 150 LB, Rubber Flange Gasket Replacement	58.48	
		<i>For 300 LB Rating Gasket Set, Add</i>	1.38	
		<i>For 150 LB Rating Teflon Gasket Set, Add</i>	30.46	
		<i>For 300 LB Rating Teflon Gasket Set, Add</i>	35.07	
		<i>For Work In Restricted Working Space, Add</i>	16.36	
23 21 13 23-0729	EA	3", 150 LB, Rubber Flange Gasket Replacement	62.14	
		<i>For 300 LB Rating Gasket Set, Add</i>	1.60	
		<i>For 150 LB Rating Teflon Gasket Set, Add</i>	35.25	
		<i>For 300 LB Rating Teflon Gasket Set, Add</i>	40.58	
		<i>For Work In Restricted Working Space, Add</i>	17.27	
23 21 13 23-0730	EA	4", 150 LB, Rubber Flange Gasket Replacement	83.22	
		<i>For 300 LB Rating Gasket Set, Add</i>	2.61	
		<i>For 150 LB Rating Teflon Gasket Set, Add</i>	57.67	
		<i>For 300 LB Rating Teflon Gasket Set, Add</i>	66.39	
		<i>For Work In Restricted Working Space, Add</i>	22.73	
23 21 13 23-0731	EA	5", 150 LB, Rubber Flange Gasket Replacement	96.17	
		<i>For 300 LB Rating Gasket Set, Add</i>	2.90	
		<i>For 150 LB Rating Teflon Gasket Set, Add</i>	64.08	
		<i>For 300 LB Rating Teflon Gasket Set, Add</i>	73.78	
		<i>For Work In Restricted Working Space, Add</i>	26.36	
23 21 13 23-0732	EA	6", 150 LB, Rubber Flange Gasket Replacement	110.78	
		<i>For 300 LB Rating Gasket Set, Add</i>	3.77	
		<i>For 150 LB Rating Teflon Gasket Set, Add</i>	83.33	
		<i>For 300 LB Rating Teflon Gasket Set, Add</i>	95.94	
		<i>For Work In Restricted Working Space, Add</i>	30.00	
23 21 13 23-0733	EA	8", 150 LB, Rubber Flange Gasket Replacement	136.97	
		<i>For 300 LB Rating Gasket Set, Add</i>	5.51	
		<i>For 150 LB Rating Teflon Gasket Set, Add</i>	121.75	
		<i>For 300 LB Rating Teflon Gasket Set, Add</i>	140.18	
		<i>For Work In Restricted Working Space, Add</i>	36.37	
23 21 13 23-0734	EA	10", 150 LB, Rubber Flange Gasket Replacement	151.67	
		<i>For 300 LB Rating Gasket Set, Add</i>	7.83	
		<i>For 150 LB Rating Teflon Gasket Set, Add</i>	173.00	
		<i>For 300 LB Rating Teflon Gasket Set, Add</i>	199.18	
		<i>For Work In Restricted Working Space, Add</i>	38.79	
23 21 13 23-0735	EA	12", 150 LB, Rubber Flange Gasket Replacement	175.08	
		<i>For 300 LB Rating Gasket Set, Add</i>	10.01	
		<i>For 150 LB Rating Teflon Gasket Set, Add</i>	221.08	
		<i>For 300 LB Rating Teflon Gasket Set, Add</i>	254.54	
		<i>For Work In Restricted Working Space, Add</i>	43.94	
23 21 13 23-0736	EA	14", 150 LB, Rubber Flange Gasket Replacement	185.72	
		<i>For 300 LB Rating Gasket Set, Add</i>	11.97	
		<i>For 150 LB Rating Teflon Gasket Set, Add</i>	264.29	
		<i>For 300 LB Rating Teflon Gasket Set, Add</i>	304.29	
		<i>For Work In Restricted Working Space, Add</i>	45.46	
23 21 13 23-0737	EA	16", 150 LB, Rubber Flange Gasket Replacement	240.16	
		<i>For 300 LB Rating Gasket Set, Add</i>	13.35	
		<i>For 150 LB Rating Teflon Gasket Set, Add</i>	294.74	
		<i>For 300 LB Rating Teflon Gasket Set, Add</i>	339.36	
		<i>For Work In Restricted Working Space, Add</i>	60.61	
23 21 13 23-0738	EA	18", 150 LB, Rubber Flange Gasket Replacement	261.00	
		<i>For 300 LB Rating Gasket Set, Add</i>	13.93	
		<i>For 150 LB Rating Teflon Gasket Set, Add</i>	307.58	
		<i>For 300 LB Rating Teflon Gasket Set, Add</i>	354.13	
		<i>For Work In Restricted Working Space, Add</i>	66.36	
23 21 13 23-0739	EA	20", 150 LB, Rubber Flange Gasket Replacement	312.37	
		<i>For 300 LB Rating Gasket Set, Add</i>	14.94	
		<i>For 150 LB Rating Teflon Gasket Set, Add</i>	329.99	
		<i>For 300 LB Rating Teflon Gasket Set, Add</i>	379.94	
		<i>For Work In Restricted Working Space, Add</i>	80.90	

**23 21 13 23-0740 Cut And Prepare For Welding Existing In-Place Black Steel Pipe (23 21 13 23-0393)**

Note: For use when connecting pipe to an existing in-place system.

23 21 13 23-0741	EA	1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	21.93	
		<i>For Work In Restricted Working Space, Add</i>	6.58	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0742	EA	3/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	23.68 7.10	
23 21	13 23-0743	EA	1", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	26.64 7.99	
23 21	13 23-0744	EA	1-1/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	27.95 8.39	
23 21	13 23-0745	EA	1-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	29.59 8.88	
23 21	13 23-0746	EA	2", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	31.79 9.54	
23 21	13 23-0747	EA	2-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	33.99 10.20	
23 21	13 23-0748	EA	3", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	37.27 11.18	
23 21	13 23-0749	EA	4", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	40.56 12.17	
23 21	13 23-0750	EA	6", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	43.85 13.16	
23 21	13 23-0751	EA	8", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	47.14 14.14	
23 21	13 23-0752	EA	10", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	51.52 15.46	
23 21	13 23-0753	EA	12", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	55.91 16.77	
23 21	13 23-0754	EA	14", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	60.30 18.09	
23 21	13 23-0755	EA	16", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	64.68 19.40	
23 21	13 23-0756	EA	18", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	67.97 20.39	
23 21	13 23-0757	EA	20", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	71.25 21.38	
23 21	13 23-0758	EA	24", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	75.64 22.69	
<b>23 21</b>	<b>13 23-0759</b>		<b>Welded Plain End Electric Resistance Black Steel Pipe</b> <small>(23 21 13 23-0393)</small> Note: ASTM A-135.		
23 21	13 23-0760	LF	2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings <i>For Work In Restricted Working Space, Add</i>	22.26 5.53	11.26
23 21	13 23-0761	LF	2-1/2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings <i>For Work In Restricted Working Space, Add</i>	24.32 5.53	12.28
23 21	13 23-0762	LF	3" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings <i>For Work In Restricted Working Space, Add</i>	25.34 5.42	12.08
23 21	13 23-0763	LF	4" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings <i>For Work In Restricted Working Space, Add</i>	31.80 6.90	15.36
23 21	13 23-0764	LF	6" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings <i>For Work In Restricted Working Space, Add</i>	51.06 10.21	22.72
23 21	13 23-0765	LF	8.322" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings <i>For Work In Restricted Working Space, Add</i>	63.58 11.87	26.33
23 21	13 23-0766	LF	10.365" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings <i>For Work In Restricted Working Space, Add</i>	84.89 14.76	32.80
23 21	13 23-0767	LF	12.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings <i>For Work In Restricted Working Space, Add</i>	102.95 17.79	39.56
23 21	13 23-0768	LF	14.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings <i>For Work In Restricted Working Space, Add</i>	131.74 23.09	51.32
<b>23 21</b>	<b>13 23-0769</b>		<b>Flanged Steel Fittings</b> <small>(23 21 13 23)</small> See CSI section 23 21 13 23-0394 for steel pipe, 23 21 13 23-0617 for welded neck flange ends.		
<b>23 21</b>	<b>13 23-0770</b>		<b>Flanged Steel Fittings, Standard Weight</b> <small>(23 21 13 23-0769)</small> Note: Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets. See CSI section 23 21 13 23-0669 for Class 150 steel bolt and gasket set.		
<b>23 21</b>	<b>13 23-0771</b>		<b>Flanged Steel, 90 Degree Elbows</b> <small>(23 21 13 23-0770)</small>		
23 21	13 23-0772	EA	2" Standard Weight, Flanged Steel, 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	497.20 341.22 511.84	47.14
23 21	13 23-0773	EA	2-1/2" Standard Weight, Flanged Steel, 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	554.58 380.66 571.00	52.50
23 21	13 23-0774	EA	3" Standard Weight, Flanged Steel, 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	549.79 370.38 555.56	57.95
23 21	13 23-0775	EA	4" Standard Weight, Flanged Steel, 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	698.95 478.40 717.60	67.34
23 21	13 23-0776	EA	5" Standard Weight, Flanged Steel, 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	981.14 694.46 1,041.68	75.41
23 21	13 23-0777	EA	6" Standard Weight, Flanged Steel, 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,035.74 723.61 1,085.41	87.53

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0778	EA	8" Standard Weight, Flanged Steel, 90 Degree Elbow ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,317.14 937.42 1,406.12	96.92
<b>23 21</b>	<b>13 23-0779</b>		<b>Flanged Steel, Reducing 90 Degree Elbows (23 21 13 23-0770)</b>		
23 21	13 23-0780	EA	2-1/2" x 2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	936.35 689.31 1,033.97	49.88
23 21	13 23-0781	EA	3" x 2-1/2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	974.43 713.32 1,069.98	55.23
23 21	13 23-0782	EA	4" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,214.88 896.79 1,345.19	62.59
23 21	13 23-0783	EA	5" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,506.00 1,124.85 1,687.27	66.63
23 21	13 23-0784	EA	6" x 4" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,715.06 1,279.17 1,918.75	77.43
23 21	13 23-0785	EA	8" x 6" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	2,395.29 1,805.58 2,708.38	92.27
<b>23 21</b>	<b>13 23-0786</b>		<b>Flanged Steel, 45 Degree Elbows (23 21 13 23-0770)</b>		
23 21	13 23-0787	EA	2" Standard Weight, Flanged Steel, 45 Degree Elbow ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	651.53 464.69 697.03	47.14
23 21	13 23-0788	EA	2-1/2" Standard Weight, Flanged Steel, 45 Degree Elbow ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	678.90 480.12 720.18	52.50
23 21	13 23-0789	EA	3" Standard Weight, Flanged Steel, 45 Degree Elbow ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	704.11 493.83 740.75	57.95
23 21	13 23-0790	EA	4" Standard Weight, Flanged Steel, 45 Degree Elbow ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	879.00 622.44 933.66	67.34
23 21	13 23-0791	EA	5" Standard Weight, Flanged Steel, 45 Degree Elbow ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,272.64 927.66 1,391.48	75.41
23 21	13 23-0792	EA	6" Standard Weight, Flanged Steel, 45 Degree Elbow ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,237.21 884.78 1,327.18	87.53
23 21	13 23-0793	EA	8" Standard Weight, Flanged Steel, 45 Degree Elbow ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,460.62 1,052.20 1,578.30	96.92
<b>23 21</b>	<b>13 23-0794</b>		<b>Flanged Steel, Tees (23 21 13 23-0770)</b>		
23 21	13 23-0795	EA	2" Standard Weight, Flanged Steel, Tee ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	635.42 423.54 635.30	70.67
23 21	13 23-0796	EA	2-1/2" Standard Weight, Flanged Steel, Tee ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	823.28 564.14 846.20	78.75
23 21	13 23-0797	EA	3" Standard Weight, Flanged Steel, Tee ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	747.54 493.85 740.77	86.82
23 21	13 23-0798	EA	4" Standard Weight, Flanged Steel, Tee ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,073.06 737.30 1,105.96	101.05
23 21	13 23-0799	EA	5" Standard Weight, Flanged Steel, Tee ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,602.17 1,146.06 1,719.08	113.17
23 21	13 23-0800	EA	6" Standard Weight, Flanged Steel, Tee ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,956.85 1,408.00 2,112.00	131.35
23 21	13 23-0801	EA	8" Standard Weight, Flanged Steel, Tee ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	2,165.16 1,549.61 2,324.41	152.14
<b>23 21</b>	<b>13 23-0802</b>		<b>Flanged Steel, Reducing Tees (23 21 13 23-0770)</b>		
23 21	13 23-0803	EA	2-1/2" Standard Weight, Flanged Steel, Reducing Tee ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,012.16 718.46 1,077.70	76.12
23 21	13 23-0804	EA	3" Standard Weight, Flanged Steel, Reducing Tee ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,170.03 835.06 1,252.60	84.20
23 21	13 23-0805	EA	4" Standard Weight, Flanged Steel, Reducing Tee ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	2,023.97 1,503.69 2,255.53	96.31
23 21	13 23-0806	EA	5" Standard Weight, Flanged Steel, Reducing Tee ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	2,186.63 1,618.47 2,427.71	109.13

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0807	EA		6" Standard Weight, Flanged Steel, Reducing Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	2,751.31 2,050.83 3,076.25	125.29
23 21 13 23-0808	EA		8" Standard Weight, Flanged Steel, Reducing Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	3,438.92 2,582.34 3,873.52	140.73
<b>23 21 13 23-0809</b>			<b>Flanged Steel, Concentric Reducers</b> (23 21 13 23-0770)		
23 21 13 23-0810	EA		3" x 2-1/2" Standard Weight, Flanged Steel, Concentric Reducer..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	961.57 703.03 1,054.55	55.23
23 21 13 23-0811	EA		4" x 3" Standard Weight, Flanged Steel, Concentric Reducer..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,092.71 799.06 1,198.58	62.59
23 21 13 23-0812	EA		5" x 4" Standard Weight, Flanged Steel, Concentric Reducer..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,626.67 1,215.73 1,823.59	71.37
23 21 13 23-0813	EA		6" x 4" Standard Weight, Flanged Steel, Concentric Reducer..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,794.37 1,342.62 2,013.92	77.43
23 21 13 23-0814	EA		8" x 6" Standard Weight, Flanged Steel, Concentric Reducer..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	2,101.65 1,570.67 2,356.01	92.27
<b>23 21 13 23-0815</b>			<b>Flanged Steel, Eccentric Reducers</b> (23 21 13 23-0770)		
23 21 13 23-0816	EA		4" x 3" Standard Weight, Flanged Steel, Eccentric Reducer..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,038.69 755.84 1,133.76	62.59
23 21 13 23-0817	EA		5" x 4" Standard Weight, Flanged Steel, Eccentric Reducer..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,415.33 1,046.66 1,569.98	71.37
<b>23 21 13 23-0818</b>			<b>Plain End Couplings And Fittings</b> (23 21 13 23)		
			Note: For use on standard weight steel pipe (Schedule 40), but may be used on lightwall steel or other metallic pipe such as aluminum or stainless steel.		
<b>23 21 13 23-0819</b>			<b>Plain End Piping System Couplings</b> (23 21 13 23-0818)		
<b>23 21 13 23-0820</b>			<b>Plainlock Plain End Piping System Couplings</b> (23 21 13 23-0819)		
			Note: Ductile iron body with gasket, bolts and nuts.		
23 21 13 23-0821	EA		1" Plainlock Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	189.52 36.09	6.06
23 21 13 23-0822	EA		1-1/2" Plainlock Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	193.05 36.09	8.37
23 21 13 23-0823	EA		2" Plainlock Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	197.15 36.09	11.11
23 21 13 23-0824	EA		2-1/2" Plainlock Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	200.63 36.09	13.42
23 21 13 23-0825	EA		3" Plainlock Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	237.18 42.59	16.15
23 21 13 23-0826	EA		4" Plainlock Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	327.34 59.01	21.51
23 21 13 23-0827	EA		6" Plainlock Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	550.68 99.64	35.03
<b>23 21 13 23-0828</b>			<b>Roust-A-Bout Plain End Piping System Couplings</b> (23 21 13 23-0819)		
			Note: Ductile iron body with gasket, bolts and nuts.		
23 21 13 23-0829	EA		1-1/2" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	228.09 53.87	8.37
23 21 13 23-0830	EA		2" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	232.19 53.87	11.11
23 21 13 23-0831	EA		2-1/2" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	235.68 53.87	13.52
23 21 13 23-0832	EA		3" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	343.40 79.80	16.15
23 21 13 23-0833	EA		3-1/2" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	397.67 92.35	18.88
23 21 13 23-0834	EA		4" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	401.67 92.35	21.51
23 21 13 23-0835	EA		5" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	568.12 131.93	26.96
23 21 13 23-0836	EA		6" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	697.04 161.13	35.03
23 21 13 23-0837	EA		8" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	1,205.52 285.72	41.79
23 21 13 23-0838	EA		10" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	1,561.08 371.71	49.47
23 21 13 23-0839	EA		12" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	1,953.54 466.43	58.55
23 21 13 23-0840	EA		14" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	2,746.37 662.33	64.71
23 21 13 23-0841	EA		16" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	3,737.73 907.00	73.20

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13	23-0842		<b>Plain End Piping System Fittings</b> <small>(23 21 13 23-0818)</small> Note: Cast ductile iron bodies.		
23 21 13	23-0843		<b>Plain End Piping System, 90 Degree Elbows</b> <small>(23 21 13 23-0842)</small>		
23 21 13	23-0844	EA	1" Plain End Piping System, 90 Degree Elbow .....	186.83	11.01
			<i>For Galvanized Fittings, Add</i>	34.07	
23 21 13	23-0845	EA	1-1/2" Plain End Piping System, 90 Degree Elbow .....	195.32	16.66
			<i>For Galvanized Fittings, Add</i>	34.07	
23 21 13	23-0846	EA	2" Plain End Piping System, 90 Degree Elbow .....	203.33	22.01
			<i>For Galvanized Fittings, Add</i>	34.07	
23 21 13	23-0847	EA	2-1/2" Plain End Piping System, 90 Degree Elbow .....	210.52	26.86
			<i>For Galvanized Fittings, Add</i>	34.07	
23 21 13	23-0848	EA	3" Plain End Piping System, 90 Degree Elbow .....	253.31	32.51
			<i>For Galvanized Fittings, Add</i>	40.92	
23 21 13	23-0849	EA	4" Plain End Piping System, 90 Degree Elbow .....	362.57	42.80
			<i>For Galvanized Fittings, Add</i>	59.67	
23 21 13	23-0850	EA	5" Plain End Piping System, 90 Degree Elbow .....	1,113.07	53.60
			<i>For Galvanized Fittings, Add</i>	206.54	
23 21 13	23-0851	EA	6" Plain End Piping System, 90 Degree Elbow .....	926.33	70.16
			<i>For Galvanized Fittings, Add</i>	164.23	
23 21 13	23-0852	EA	8" Plain End Piping System, 90 Degree Elbow .....	1,859.31	83.28
			<i>For Galvanized Fittings, Add</i>	346.87	
23 21 13	23-0853	EA	10" Plain End Piping System, 90 Degree Elbow .....	2,325.72	97.32
			<i>For Galvanized Fittings, Add</i>	435.97	
23 21 13	23-0854	EA	12" Plain End Piping System, 90 Degree Elbow .....	2,950.69	116.90
			<i>For Galvanized Fittings, Add</i>	555.08	
23 21 13	23-0855		<b>Plain End Piping System, 45 Degree Elbows</b> <small>(23 21 13 23-0842)</small>		
23 21 13	23-0856	EA	1" Plain End Piping System, 45 Degree Elbow .....	186.83	11.01
			<i>For Galvanized Fittings, Add</i>	34.07	
23 21 13	23-0857	EA	1-1/2" Plain End Piping System, 45 Degree Elbow .....	195.32	16.66
			<i>For Galvanized Fittings, Add</i>	34.07	
23 21 13	23-0858	EA	2" Plain End Piping System, 45 Degree Elbow .....	203.33	22.01
			<i>For Galvanized Fittings, Add</i>	34.07	
23 21 13	23-0859	EA	2-1/2" Plain End Piping System, 45 Degree Elbow .....	210.52	26.86
			<i>For Galvanized Fittings, Add</i>	34.07	
23 21 13	23-0860	EA	3" Plain End Piping System, 45 Degree Elbow .....	253.31	32.51
			<i>For Galvanized Fittings, Add</i>	40.92	
23 21 13	23-0861	EA	4" Plain End Piping System, 45 Degree Elbow .....	362.57	42.80
			<i>For Galvanized Fittings, Add</i>	59.67	
23 21 13	23-0862	EA	5" Plain End Piping System, 45 Degree Elbow .....	1,113.07	53.60
			<i>For Galvanized Fittings, Add</i>	206.54	
23 21 13	23-0863	EA	6" Plain End Piping System, 45 Degree Elbow .....	929.48	70.16
			<i>For Galvanized Fittings, Add</i>	164.86	
23 21 13	23-0864	EA	8" Plain End Piping System, 45 Degree Elbow .....	1,077.93	83.28
			<i>For Galvanized Fittings, Add</i>	190.60	
23 21 13	23-0865	EA	10" Plain End Piping System, 45 Degree Elbow .....	1,475.83	97.32
			<i>For Galvanized Fittings, Add</i>	265.99	
23 21 13	23-0866	EA	12" Plain End Piping System, 45 Degree Elbow .....	1,893.37	116.90
			<i>For Galvanized Fittings, Add</i>	343.62	
23 21 13	23-0867		<b>Plain End Piping System, Tees</b> <small>(23 21 13 23-0842)</small>		
23 21 13	23-0868	EA	1" Plain End Piping System, Tee .....	254.35	16.66
			<i>For Galvanized Fittings, Add</i>	45.87	
23 21 13	23-0869	EA	1-1/2" Plain End Piping System, Tee .....	266.86	25.03
			<i>For Galvanized Fittings, Add</i>	45.87	
23 21 13	23-0870	EA	2" Plain End Piping System, Tee .....	277.90	32.41
			<i>For Galvanized Fittings, Add</i>	45.87	
23 21 13	23-0871	EA	2-1/2" Plain End Piping System, Tee .....	288.88	39.68
			<i>For Galvanized Fittings, Add</i>	45.87	
23 21 13	23-0872	EA	3" Plain End Piping System, Tee .....	403.24	48.76
			<i>For Galvanized Fittings, Add</i>	66.02	
23 21 13	23-0873	EA	4" Plain End Piping System, Tee .....	553.58	63.10
			<i>For Galvanized Fittings, Add</i>	91.81	
23 21 13	23-0874	EA	5" Plain End Piping System, Tee .....	1,132.10	82.48
			<i>For Galvanized Fittings, Add</i>	201.68	
23 21 13	23-0875	EA	6" Plain End Piping System, Tee .....	1,399.38	103.28
			<i>For Galvanized Fittings, Add</i>	248.91	
23 21 13	23-0876	EA	8" Plain End Piping System, Tee .....	1,912.77	125.59
			<i>For Galvanized Fittings, Add</i>	344.88	
23 21 13	23-0877	EA	10" Plain End Piping System, Tee .....	2,852.82	146.38
			<i>For Galvanized Fittings, Add</i>	526.67	
23 21 13	23-0878	EA	12" Plain End Piping System, Tee .....	3,825.24	175.36
			<i>For Galvanized Fittings, Add</i>	712.47	
23 21 13	23-0879		<b>Plain End Piping System, Reducing Tees</b> <small>(23 21 13 23-0842)</small>		
23 21 13	23-0880	EA	1-1/2" Plain End Piping System, Reducing Tee .....	493.59	26.86
			<i>For Galvanized Fittings, Add</i>	90.67	
23 21 13	23-0881	EA	2" Plain End Piping System, Reducing Tee .....	501.90	32.41
			<i>For Galvanized Fittings, Add</i>	90.67	
23 21 13	23-0882	EA	2-1/2" Plain End Piping System, Reducing Tee .....	512.88	39.68
			<i>For Galvanized Fittings, Add</i>	90.67	
23 21 13	23-0883	EA	3" Plain End Piping System, Reducing Tee .....	526.52	48.76
			<i>For Galvanized Fittings, Add</i>	90.67	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0884	EA	4" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	763.84 133.86	63.10
23 21	13 23-0885	EA	6" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	1,291.40 227.31	103.28
23 21	13 23-0886	EA	8" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	1,685.14 299.36	125.59
23 21	13 23-0887	EA	10" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	2,527.01 461.51	146.38
23 21	13 23-0888	EA	12" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	3,732.01 693.82	175.36
<b>23 21 13 23-0889 Plain End Piping System, Wyes (23 21 13 23-0842)</b>					
23 21	13 23-0890	EA	2" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	720.38 134.37	32.41
23 21	13 23-0891	EA	2-1/2" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	731.36 134.37	39.68
23 21	13 23-0892	EA	3" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	828.34 151.04	48.76
23 21	13 23-0893	EA	4" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	1,215.47 224.19	63.10
23 21	13 23-0894	EA	5" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	1,487.75 272.81	82.48
23 21	13 23-0895	EA	6" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	2,033.17 375.67	103.28
23 21	13 23-0896	EA	8" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	2,620.91 486.51	125.59
23 21	13 23-0897	EA	10" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	3,806.59 717.42	146.38
23 21	13 23-0898	EA	12" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	5,792.75 1,105.97	175.36
<b>23 21 13 23-0899 Plain End Piping System, Laterals (23 21 13 23-0842)</b>					
23 21	13 23-0900	EA	2" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	767.89 143.87	32.41
23 21	13 23-0901	EA	2-1/2" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	778.87 143.87	39.68
23 21	13 23-0902	EA	3" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	875.54 160.48	48.76
23 21	13 23-0903	EA	4" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	1,305.60 242.21	63.10
23 21	13 23-0904	EA	5" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	1,702.44 315.74	82.48
23 21	13 23-0905	EA	6" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	2,171.29 403.29	103.28
23 21	13 23-0906	EA	8" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	3,128.26 587.98	125.59
23 21	13 23-0907	EA	10" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	4,369.50 830.01	146.38
23 21	13 23-0908	EA	12" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	5,876.42 1,122.70	175.36
<b>23 21 13 23-0909 Plain End Piping System, Crosses (23 21 13 23-0842)</b>					
23 21	13 23-0910	EA	2" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	853.80 97.63	48.56
23 21	13 23-0911	EA	2-1/2" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	870.25 97.63	59.46
23 21	13 23-0912	EA	3" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	1,015.67 113.24	73.20
23 21	13 23-0913	EA	4" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	1,386.33 155.57	94.59
23 21	13 23-0914	EA	5" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	1,953.24 220.96	123.77
23 21	13 23-0915	EA	6" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	2,565.61 291.76	154.46
23 21	13 23-0916	EA	8" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	3,274.80 374.30	187.07
23 21	13 23-0917	EA	10" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	4,696.75 546.12	218.67
23 21	13 23-0918	EA	12" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	6,694.08 787.47	263.08
<b>23 21 13 23-0919 Plain End Piping System, Adapter Nipples (23 21 13 23-0842)</b>					
Note: Plain to threaded, plain to beveled or plain to grooved.					
23 21	13 23-0920	EA	1" Plain End Piping System, Adapter Nipple <i>For Galvanized Fittings, Add</i>	29.02 4.98	6.06
23 21	13 23-0921	EA	1-1/2" Plain End Piping System, Adapter Nipple <i>For Galvanized Fittings, Add</i>	33.10 5.12	8.37
23 21	13 23-0922	EA	2" Plain End Piping System, Adapter Nipple <i>For Galvanized Fittings, Add</i>	37.09 5.12	11.11
23 21	13 23-0923	EA	2-1/2" Plain End Piping System, Adapter Nipple <i>For Galvanized Fittings, Add</i>	44.19 6.00	13.42
23 21	13 23-0924	EA	3" Plain End Piping System, Adapter Nipple <i>For Galvanized Fittings, Add</i>	53.88 7.41	16.15

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0925	EA	4" Plain End Piping System, Adapter Nipple..... <i>For Galvanized Fittings, Add</i>	81.90 12.40	21.51
23 21	13 23-0926	EA	6" Plain End Piping System, Adapter Nipple..... <i>For Galvanized Fittings, Add</i>	174.48 33.53	26.96
<b>23 21</b>	<b>13 23-0927</b>		<b>Plain End Piping System, Reducing (Swaged) Nipples (23 21 13 23-0942)</b>		
23 21	13 23-0928	EA	1-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	88.69 16.75	14.43
23 21	13 23-0929	EA	2" x 1" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	92.74 16.75	17.16
23 21	13 23-0930	EA	2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	96.82 16.75	19.88
23 21	13 23-0931	EA	2-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	95.83 16.75	19.28
23 21	13 23-0932	EA	2-1/2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	99.81 16.75	21.91
23 21	13 23-0933	EA	2-1/2" x 2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	103.83 16.75	24.53
23 21	13 23-0934	EA	3" x 1" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	114.85 20.40	22.21
23 21	13 23-0935	EA	3" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	118.43 20.40	24.53
23 21	13 23-0936	EA	3" x 2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	103.66 15.69	27.26
23 21	13 23-0937	EA	3" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	111.48 15.69	32.51
23 21	13 23-0938	EA	3-1/2" x 3" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	127.52 18.76	35.03
23 21	13 23-0939	EA	4" x 1" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	156.11 28.68	27.56
23 21	13 23-0940	EA	4" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	159.64 28.68	29.98
23 21	13 23-0941	EA	4" x 2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	135.89 21.72	32.71
23 21	13 23-0942	EA	4" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	139.36 21.72	35.03
23 21	13 23-0943	EA	4" x 3" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	143.47 21.72	37.76
23 21	13 23-0944	EA	4" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	147.41 21.72	40.38
23 21	13 23-0945	EA	5" x 2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	376.59 79.87	38.06
23 21	13 23-0946	EA	5" x 3" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	311.15 61.65	43.00
23 21	13 23-0947	EA	5" x 4" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	275.66 50.73	48.56
23 21	13 23-0948	EA	6" x 1" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	670.32 152.19	41.09
23 21	13 23-0949	EA	6" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	673.81 152.19	43.41
23 21	13 23-0950	EA	6" x 2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	519.40 112.57	46.14
23 21	13 23-0951	EA	6" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	522.99 112.57	48.56
23 21	13 23-0952	EA	6" x 3" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	368.52 72.95	51.19
23 21	13 23-0953	EA	6" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	372.19 72.95	53.60
23 21	13 23-0954	EA	6" x 4" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	305.99 55.33	56.54
23 21	13 23-0955	EA	6" x 5" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	346.53 63.44	61.89
23 21	13 23-0956	EA	8" x 3" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	438.65 87.98	57.85
23 21	13 23-0957	EA	8" x 4" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	446.80 87.98	63.30
23 21	13 23-0958	EA	8" x 5" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	503.37 100.09	68.75
23 21	13 23-0959	EA	8" x 6" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	564.00 112.19	76.82
<b>23 21</b>	<b>13 23-0960</b>		<b>Plain End Piping System, Bull Plugs (23 21 13 23-0942)</b>		
23 21	13 23-0961	EA	1" Plain End Piping System, Bull Plug..... <i>For Galvanized Fittings, Add</i>	379.42 111.10	6.06
23 21	13 23-0962	EA	1-1/2" Plain End Piping System, Bull Plug..... <i>For Galvanized Fittings, Add</i>	382.95 111.10	8.37
23 21	13 23-0963	EA	2" Plain End Piping System, Bull Plug..... <i>For Galvanized Fittings, Add</i>	386.94 111.10	11.11
23 21	13 23-0964	EA	2-1/2" Plain End Piping System, Bull Plug..... <i>For Galvanized Fittings, Add</i>	390.52 111.10	13.42
23 21	13 23-0965	EA	3" Plain End Piping System, Bull Plug..... <i>For Galvanized Fittings, Add</i>	567.10 162.86	16.15
23 21	13 23-0966	EA	4" Plain End Piping System, Bull Plug..... <i>For Galvanized Fittings, Add</i>	733.50 210.36	21.51
23 21	13 23-0967	EA	5" Plain End Piping System, Bull Plug..... <i>For Galvanized Fittings, Add</i>	1,279.54 371.75	26.96

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0968	EA	6" Plain End Piping System, Bull Plug ..... <i>For Galvanized Fittings, Add</i>	1,705.24 495.83	35.03
23 21	13 23-0969	EA	8" Plain End Piping System, Bull Plug ..... <i>For Galvanized Fittings, Add</i>	3,169.82 932.17	41.69
23 21	13 23-0970	EA	10" Plain End Piping System, Bull Plug ..... <i>For Galvanized Fittings, Add</i>	5,713.83 1,692.20	48.76
23 21	13 23-0971	EA	12" Plain End Piping System, Bull Plug ..... <i>For Galvanized Fittings, Add</i>	8,762.16 2,602.31	58.55
<b>23 21</b>	<b>13 23-0972</b>		<b>Carbon Steel Piping Systems (23 21 13 23)</b>		
<b>23 21</b>	<b>13 23-0973</b>		<b>Class 3,000 LB Carbon Steel Socket Weld Fittings (23 21 13 23-0972)</b> Note: ASTM A105		
<b>23 21</b>	<b>13 23-0974</b>		<b>90 Degree Elbows, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-0973)</b>		
23 21	13 23-0975	EA	1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	38.85	19.98
23 21	13 23-0976	EA	3/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	43.71	22.31
23 21	13 23-0977	EA	1" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	56.23	24.93
23 21	13 23-0978	EA	1-1/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	77.45	28.27
23 21	13 23-0979	EA	1-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	88.60	31.80
23 21	13 23-0980	EA	2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	120.65	40.48
23 21	13 23-0981	EA	2-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	242.02	59.86
23 21	13 23-0982	EA	3" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	345.38	78.75
23 21	13 23-0983	EA	4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	605.72	82.08
<b>23 21</b>	<b>13 23-0984</b>		<b>45 Degree Elbows, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-0973)</b>		
23 21	13 23-0985	EA	1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	42.79	19.98
23 21	13 23-0986	EA	3/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	49.67	22.31
23 21	13 23-0987	EA	1" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	58.06	24.93
23 21	13 23-0988	EA	1-1/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	79.77	28.27
23 21	13 23-0989	EA	1-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	94.16	31.80
23 21	13 23-0990	EA	2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	120.54	40.48
23 21	13 23-0991	EA	2-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	276.04	59.86
23 21	13 23-0992	EA	3" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	374.17	78.75
23 21	13 23-0993	EA	4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	593.27	82.08
<b>23 21</b>	<b>13 23-0994</b>		<b>Straight Tees, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-0973)</b>		
23 21	13 23-0995	EA	1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	47.55	24.93
23 21	13 23-0996	EA	3/4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	57.81	28.77
23 21	13 23-0997	EA	1" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	76.94	34.02
23 21	13 23-0998	EA	1-1/4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	102.95	40.48
23 21	13 23-0999	EA	1-1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	124.85	48.25
23 21	13 23-1000	EA	2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	165.91	59.86
23 21	13 23-1001	EA	2-1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	301.46	78.75
23 21	13 23-1002	EA	3" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	415.57	93.48
23 21	13 23-1003	EA	4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	802.31	103.62
<b>23 21</b>	<b>13 23-1004</b>		<b>Reducing Tees, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-0973)</b>		
23 21	13 23-1005	EA	1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	48.63	24.93
23 21	13 23-1006	EA	3/4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	58.93	28.77
23 21	13 23-1007	EA	1" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	78.27	34.02
23 21	13 23-1008	EA	1-1/4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	106.11	40.48
23 21	13 23-1009	EA	1-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	128.56	48.25
23 21	13 23-1010	EA	2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	171.60	59.86
23 21	13 23-1011	EA	2-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	314.98	78.75
23 21	13 23-1012	EA	3" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	435.04	93.48
23 21	13 23-1013	EA	4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	733.01	103.62
<b>23 21</b>	<b>13 23-1014</b>		<b>Straight Couplings, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-0973)</b>		
23 21	13 23-1015	EA	1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	33.99	19.98
23 21	13 23-1016	EA	3/4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	38.33	22.31
23 21	13 23-1017	EA	1" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	44.81	24.93
23 21	13 23-1018	EA	1-1/4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	51.68	28.27
23 21	13 23-1019	EA	1-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	60.31	31.80
23 21	13 23-1020	EA	2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	79.01	40.48
23 21	13 23-1021	EA	2-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	135.95	59.86
23 21	13 23-1022	EA	3" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	181.81	78.75
23 21	13 23-1023	EA	4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	250.15	82.08
<b>23 21</b>	<b>13 23-1024</b>		<b>Reducing Couplings, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-0973)</b>		
23 21	13 23-1025	EA	1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	36.19	19.98
23 21	13 23-1026	EA	3/4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	40.74	22.31
23 21	13 23-1027	EA	1" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	48.67	24.93
23 21	13 23-1028	EA	1-1/4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	56.34	28.27
23 21	13 23-1029	EA	1-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	67.22	31.80
23 21	13 23-1030	EA	2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	86.40	40.48
23 21	13 23-1031	EA	2-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	152.23	59.86
23 21	13 23-1032	EA	3" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	214.55	78.75
23 21	13 23-1033	EA	4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	318.22	82.08

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1034			<b>Caps, 3,000 LB Carbon Steel Socket Weld</b> (23 21 13 23-0973)		
23 21 13 23-1035	EA		1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	20.48	9.39
23 21 13 23-1036	EA		3/4" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	23.42	10.00
23 21 13 23-1037	EA		1" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	27.49	11.51
23 21 13 23-1038	EA		1-1/4" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	32.05	12.52
23 21 13 23-1039	EA		1-1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	36.94	12.52
23 21 13 23-1040	EA		2" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	47.95	16.05
23 21 13 23-1041	EA		2-1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	86.00	19.98
23 21 13 23-1042	EA		3" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	124.55	24.13
23 21 13 23-1043	EA		4" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	179.96	28.09
23 21 13 23-1044			<b>Black Cast Iron Square Head Plug</b> (23 21 13 23-0973)		
23 21 13 23-1045	EA		1/2" Square Head Plug, Black, Cast Iron.....	13.31	7.97
23 21 13 23-1046	EA		3/4" Square Head Plug, Black, Cast Iron.....	15.40	7.97
23 21 13 23-1047	EA		1" Square Head Plug, Black, Cast Iron.....	21.98	12.11
23 21 13 23-1048	EA		1-1/4" Square Head Plug, Black, Cast Iron.....	22.40	12.11
23 21 13 23-1049	EA		1-1/2" Square Head Plug, Black, Cast Iron.....	24.13	12.11
23 21 13 23-1050	EA		2" Square Head Plug, Black, Cast Iron.....	31.97	16.05
23 21 13 23-1051	EA		2-1/2" Square Head Plug, Black, Cast Iron.....	41.28	19.98
23 21 13 23-1052	EA		3" Square Head Plug, Black, Cast Iron.....	54.43	24.13
23 21 13 23-1053	EA		4" Square Head Plug, Black, Cast Iron.....	63.59	28.09
23 21 13 23-1054			<b>Unions, 3,000 LB Carbon Steel Socket Weld</b> (23 21 13 23-0973)		
23 21 13 23-1055	EA		1/2" Union, Carbon Steel, Socket Weld, 3,000 LB.....	60.27	24.93
23 21 13 23-1056	EA		3/4" Union, Carbon Steel, Socket Weld, 3,000 LB.....	66.63	28.77
23 21 13 23-1057	EA		1" Union, Carbon Steel, Socket Weld, 3,000 LB.....	85.30	34.02
23 21 13 23-1058	EA		1-1/4" Union, Carbon Steel, Socket Weld, 3,000 LB.....	108.00	40.48
23 21 13 23-1059	EA		1-1/2" Union, Carbon Steel, Socket Weld, 3,000 LB.....	130.18	48.25
23 21 13 23-1060	EA		2" Union, Carbon Steel, Socket Weld, 3,000 LB.....	162.79	59.86
23 21 13 23-1061	EA		2-1/2" Union, Carbon Steel, Socket Weld, 3,000 LB.....	284.62	65.01
23 21 13 23-1062	EA		3" Union, Carbon Steel, Socket Weld, 3,000 LB.....	383.23	78.75
23 21 13 23-1063			<b>Class 6,000 LB Carbon Steel Socket Weld Fittings</b> (23 21 13 23-0972)		
			Note: ASTM A105		
23 21 13 23-1064			<b>90 Degree Elbow, 6,000 LB Carbon Steel Socket Weld</b> (23 21 13 23-1063)		
23 21 13 23-1065	EA		1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	43.60	19.98
23 21 13 23-1066	EA		3/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	49.13	22.31
23 21 13 23-1067	EA		1" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	66.23	24.93
23 21 13 23-1068	EA		1-1/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	96.10	28.27
23 21 13 23-1069	EA		1-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	110.30	31.80
23 21 13 23-1070	EA		2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	152.53	40.48
23 21 13 23-1071	EA		2-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	322.90	59.86
23 21 13 23-1072	EA		3" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	466.11	78.75
23 21 13 23-1073	EA		4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	862.09	82.08
23 21 13 23-1074			<b>45 Degree Elbow, 6,000 LB Carbon Steel Socket Weld</b> (23 21 13 23-1063)		
23 21 13 23-1075	EA		1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	50.08	19.98
23 21 13 23-1076	EA		3/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	58.82	22.31
23 21 13 23-1077	EA		1" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	69.76	24.93
23 21 13 23-1078	EA		1-1/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	100.97	28.27
23 21 13 23-1079	EA		1-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	120.44	31.80
23 21 13 23-1080	EA		2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	154.46	40.48
23 21 13 23-1081	EA		2-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	381.53	59.86
23 21 13 23-1082	EA		3" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	519.17	78.75
23 21 13 23-1083	EA		4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	859.53	82.08
23 21 13 23-1084			<b>Straight Tees, 6,000 LB Carbon Steel Socket Weld</b> (23 21 13 23-1063)		
23 21 13 23-1085	EA		1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	56.96	24.93
23 21 13 23-1086	EA		3/4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	71.40	28.77
23 21 13 23-1087	EA		1" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	100.98	34.02
23 21 13 23-1088	EA		1-1/4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	142.15	40.48
23 21 13 23-1089	EA		1-1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	173.45	48.25
23 21 13 23-1090	EA		2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	236.46	59.86
23 21 13 23-1091	EA		2-1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	471.31	78.75
23 21 13 23-1092	EA		3" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	670.61	93.48
23 21 13 23-1093	EA		4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	1,401.49	103.62
23 21 13 23-1094			<b>Reducing Tees, 6,000 LB Carbon Steel Socket Weld</b> (23 21 13 23-1063)		
23 21 13 23-1095	EA		1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	48.63	24.93
23 21 13 23-1096	EA		3/4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	58.93	28.77
23 21 13 23-1097	EA		1" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	78.27	34.02
23 21 13 23-1098	EA		1-1/4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	106.11	40.48
23 21 13 23-1099	EA		1-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	128.56	48.25
23 21 13 23-1100	EA		2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	171.60	59.86
23 21 13 23-1101	EA		2-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	314.98	78.75



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1102	EA	3" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	435.04	93.48
23 21	13 23-1103	EA	4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	733.01	103.62
<b>23 21</b>	<b>13 23-1104</b>		<b>Straight Couplings, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-1063)</b>		
23 21	13 23-1105	EA	1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	35.97	19.98
23 21	13 23-1106	EA	3/4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	40.67	22.31
23 21	13 23-1107	EA	1" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	48.39	24.93
23 21	13 23-1108	EA	1-1/4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	56.20	28.27
23 21	13 23-1109	EA	1-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	66.39	31.80
23 21	13 23-1110	EA	2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	87.90	40.48
23 21	13 23-1111	EA	2-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	158.30	59.86
23 21	13 23-1112	EA	3" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	212.63	78.75
23 21	13 23-1113	EA	4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	311.64	82.08
<b>23 21</b>	<b>13 23-1114</b>		<b>Reducing Couplings, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-1063)</b>		
23 21	13 23-1115	EA	1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	39.21	19.98
23 21	13 23-1116	EA	3/4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	44.22	22.31
23 21	13 23-1117	EA	1" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	54.08	24.93
23 21	13 23-1118	EA	1-1/4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	63.07	28.27
23 21	13 23-1119	EA	1-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	76.57	31.80
23 21	13 23-1120	EA	2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	98.77	40.48
23 21	13 23-1121	EA	2-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	182.22	59.86
23 21	13 23-1122	EA	3" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	260.86	78.75
23 21	13 23-1123	EA	4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	411.92	82.08
<b>23 21</b>	<b>13 23-1124</b>		<b>Caps, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-1063)</b>		
23 21	13 23-1125	EA	1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	24.81	9.39
23 21	13 23-1126	EA	3/4" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	29.09	10.00
23 21	13 23-1127	EA	1" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	34.36	11.51
23 21	13 23-1128	EA	1-1/4" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	41.01	12.52
23 21	13 23-1129	EA	1-1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	49.19	12.52
23 21	13 23-1130	EA	2" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	63.93	16.05
23 21	13 23-1131	EA	2-1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	123.65	19.98
23 21	13 23-1132	EA	3" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	183.86	24.13
23 21	13 23-1133	EA	4" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	272.43	28.09
<b>23 21</b>	<b>13 23-1134</b>		<b>Black Cast Iron Square Head Plug (23 21 13 23-1063)</b>		
23 21	13 23-1135	EA	1/2" Square Head Plug, Black Cast Iron.....	13.31	7.97
23 21	13 23-1136	EA	3/4" Square Head Plug, Black Cast Iron.....	15.42	7.97
23 21	13 23-1137	EA	1" Square Head Plug, Black Cast Iron.....	22.00	12.11
23 21	13 23-1138	EA	1-1/4" Square Head Plug, Black Cast Iron.....	22.42	12.11
23 21	13 23-1139	EA	1-1/2" Square Head Plug, Black Cast Iron.....	24.16	12.11
23 21	13 23-1140	EA	2" Square Head Plug, Black Cast Iron.....	32.01	16.05
23 21	13 23-1141	EA	2-1/2" Square Head Plug, Black Cast Iron.....	41.33	19.98
23 21	13 23-1142	EA	3" Square Head Plug, Black Cast Iron.....	54.52	24.13
23 21	13 23-1143	EA	4" Square Head Plug, Black Cast Iron.....	63.69	28.09
<b>23 21</b>	<b>13 23-1144</b>		<b>Unions, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-1063)</b>		
23 21	13 23-1145	EA	1/2" Union, Carbon Steel, Socket Weld, 6,000 LB.....	74.27	24.93
23 21	13 23-1146	EA	3/4" Union, Carbon Steel, Socket Weld, 6,000 LB.....	80.99	28.77
23 21	13 23-1147	EA	1" Union, Carbon Steel, Socket Weld, 6,000 LB.....	106.30	34.02
23 21	13 23-1148	EA	1-1/4" Union, Carbon Steel, Socket Weld, 6,000 LB.....	136.97	40.48
23 21	13 23-1149	EA	1-1/2" Union, Carbon Steel, Socket Weld, 6,000 LB.....	165.53	48.25
23 21	13 23-1150	EA	2" Union, Carbon Steel, Socket Weld, 6,000 LB.....	207.47	59.86
23 21	13 23-1151	EA	2-1/2" Union, Carbon Steel, Socket Weld, 6,000 LB.....	399.02	65.01
23 21	13 23-1152	EA	3" Union, Carbon Steel, Socket Weld, 6,000 LB.....	545.38	78.75
<b>23 21</b>	<b>13 23-1153</b>		<b>Carbon Steel, Seamless Piping System (23 21 13 23-0972)</b>		
Note: ASTM A106 Excludes hangers or fittings. Demolition Note applies to all pipe demolition.					
<b>23 21</b>	<b>13 23-1154</b>		<b>Schedule 40, Carbon Steel, Seamless Piping (23 21 13 23-1153)</b>		
Note: ASTM A106 Excludes hangers, elbow, tee, or reducer fittings.					
23 21	13 23-1155	LF	1/4" ASTM A106 Carbon Steel Pipe, Schedule 40.....	9.89	3.74
			<i>For Schedule 80, Add</i>	1.54	
23 21	13 23-1156	LF	1/2" ASTM A106 Carbon Steel Pipe, Schedule 40.....	10.04	4.04
			<i>For Schedule 80, Add</i>	1.41	
			<i>For Schedule 160, Add</i>	5.88	
23 21	13 23-1157	LF	3/4" ASTM A106 Carbon Steel Pipe, Schedule 40.....	11.31	4.34
			<i>For Schedule 80, Add</i>	1.73	
			<i>For Schedule 160, Add</i>	7.20	
23 21	13 23-1158	LF	1" ASTM A106 Carbon Steel Pipe, Schedule 40.....	12.00	4.75
			<i>For Schedule 80, Add</i>	1.78	
			<i>For Schedule 160, Add</i>	7.41	
23 21	13 23-1159	LF	1-1/2" ASTM A106 Carbon Steel Pipe, Schedule 40.....	16.07	5.86
			<i>For Schedule 80, Add</i>	2.62	
			<i>For Schedule 160, Add</i>	10.94	
23 21	13 23-1160	LF	2" ASTM A106 Carbon Steel Pipe, Schedule 40.....	20.22	7.06
			<i>For Schedule 80, Add</i>	3.46	
			<i>For Schedule 160, Add</i>	14.40	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR  
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 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

		23 21 13 23-1161		90 Degree Elbows, Screwed Carbon Steel (23 21 13 23-1153)			
23 21	13 23-1162	EA	1/4" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel	28.66		15.35	
23 21	13 23-1163	EA	1/2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel	34.66		17.97	
23 21	13 23-1164	EA	3/4" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel	38.72		20.09	
23 21	13 23-1165	EA	1" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel	44.47		22.41	
23 21	13 23-1166	EA	1-1/2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel	70.90		28.67	
23 21	13 23-1167	EA	2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel	89.83		36.44	
23 21	13 23-1168	EA	1/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	30.45		15.35	
23 21	13 23-1169	EA	1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	35.33		17.97	
23 21	13 23-1170	EA	3/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	40.94		20.09	
23 21	13 23-1171	EA	1" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	49.30		22.41	
23 21	13 23-1172	EA	1-1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	82.44		28.67	
23 21	13 23-1173	EA	2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	102.58		36.44	
23 21	13 23-1174	EA	1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	41.61		17.97	
23 21	13 23-1175	EA	3/4" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	48.84		20.09	
23 21	13 23-1176	EA	1" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	57.61		22.41	
23 21	13 23-1177	EA	1-1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	105.78		28.67	
23 21	13 23-1178	EA	2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	164.49		36.44	
		23 21 13 23-1179		45 Degree Elbows, Screwed Carbon Steel (23 21 13 23-1153)			
23 21	13 23-1180	EA	1/4" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	32.40		15.35	
23 21	13 23-1181	EA	1/2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	36.10		17.97	
23 21	13 23-1182	EA	3/4" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	40.59		20.09	
23 21	13 23-1183	EA	1" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	45.89		22.41	
23 21	13 23-1184	EA	1-1/2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	66.29		28.67	
23 21	13 23-1185	EA	2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	96.94		36.44	
23 21	13 23-1186	EA	1/4" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	32.69		15.35	
23 21	13 23-1187	EA	1/2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	37.75		17.97	
23 21	13 23-1188	EA	3/4" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	42.49		20.09	
23 21	13 23-1189	EA	1" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	50.83		22.41	
23 21	13 23-1190	EA	1-1/2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	80.65		28.67	
23 21	13 23-1191	EA	2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	106.56		36.44	
23 21	13 23-1192	EA	1/2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	45.95		17.97	
23 21	13 23-1193	EA	3/4" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	56.67		20.09	
23 21	13 23-1194	EA	1" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	60.55		22.41	
23 21	13 23-1195	EA	1-1/2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	122.43		28.67	
23 21	13 23-1196	EA	2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	165.59		36.44	
		23 21 13 23-1197		Straight Tees, Screwed Carbon Steel (23 21 13 23-1153)			
23 21	13 23-1198	EA	1/4" Tee, Straight, 2,000 LB, Screwed Carbon Steel	38.22		21.30	
23 21	13 23-1199	EA	1/2" Tee, Straight, 2,000 LB, Screwed Carbon Steel	43.67		22.41	
23 21	13 23-1200	EA	3/4" Tee, Straight, 2,000 LB, Screwed Carbon Steel	52.50		25.94	
23 21	13 23-1201	EA	1" Tee, Straight, 2,000 LB, Screwed Carbon Steel	64.57		30.59	
23 21	13 23-1202	EA	1-1/2" Tee, Straight, 2,000 LB, Screwed Carbon Steel	104.44		43.41	
23 21	13 23-1203	EA	2" Tee, Straight, 2,000 LB, Screwed Carbon Steel	129.49		53.91	
23 21	13 23-1204	EA	1/4" Tee, Straight, 3,000 LB, Screwed Carbon Steel	39.75		21.30	
23 21	13 23-1205	EA	1/2" Tee, Straight, 3,000 LB, Screwed Carbon Steel	44.67		22.41	
23 21	13 23-1206	EA	3/4" Tee, Straight, 3,000 LB, Screwed Carbon Steel	55.84		25.94	
23 21	13 23-1207	EA	1" Tee, Straight, 3,000 LB, Screwed Carbon Steel	67.43		30.59	
23 21	13 23-1208	EA	1-1/2" Tee, Straight, 3,000 LB, Screwed Carbon Steel	114.34		43.41	
23 21	13 23-1209	EA	2" Tee, Straight, 3,000 LB, Screwed Carbon Steel	145.87		53.91	
23 21	13 23-1210	EA	1/2" Tee, Straight, 6,000 LB, Screwed Carbon Steel	52.20		22.41	
23 21	13 23-1211	EA	3/4" Tee, Straight, 6,000 LB, Screwed Carbon Steel	63.93		25.94	
23 21	13 23-1212	EA	1" Tee, Straight, 6,000 LB, Screwed Carbon Steel	87.44		30.59	
23 21	13 23-1213	EA	1-1/2" Tee, Straight, 6,000 LB, Screwed Carbon Steel	137.07		43.41	
23 21	13 23-1214	EA	2" Tee, Straight, 6,000 LB, Screwed Carbon Steel	218.35		53.91	
		23 21 13 23-1215		Crosses, Screwed Carbon Steel (23 21 13 23-1153)			
23 21	13 23-1216	EA	1/4" Cross, 2,000 LB, Screwed Carbon Steel	57.89		26.96	
23 21	13 23-1217	EA	1/2" Cross, 2,000 LB, Screwed Carbon Steel	68.67		30.28	
23 21	13 23-1218	EA	3/4" Cross, 2,000 LB, Screwed Carbon Steel	73.85		32.31	
23 21	13 23-1219	EA	1" Cross, 2,000 LB, Screwed Carbon Steel	91.52		38.97	
23 21	13 23-1220	EA	1-1/2" Cross, 2,000 LB, Screwed Carbon Steel	161.43		54.51	
23 21	13 23-1221	EA	2" Cross, 2,000 LB, Screwed Carbon Steel	208.91		67.34	
23 21	13 23-1222	EA	1/2" Cross, 3,000 LB, Screwed Carbon Steel	70.55		30.28	
23 21	13 23-1223	EA	3/4" Cross, 3,000 LB, Screwed Carbon Steel	84.67		32.31	
23 21	13 23-1224	EA	1" Cross, 3,000 LB, Screwed Carbon Steel	100.99		38.97	
23 21	13 23-1225	EA	1-1/2" Cross, 3,000 LB, Screwed Carbon Steel	175.08		54.51	
23 21	13 23-1226	EA	2" Cross, 3,000 LB, Screwed Carbon Steel	233.85		67.34	
23 21	13 23-1227	EA	1/2" Cross, 6,000 LB, Screwed Carbon Steel	105.81		30.28	
23 21	13 23-1228	EA	3/4" Cross, 6,000 LB, Screwed Carbon Steel	180.91		32.31	
23 21	13 23-1229	EA	1" Cross, 6,000 LB, Screwed Carbon Steel	249.29		38.97	
23 21	13 23-1230	EA	1-1/2" Cross, 6,000 LB, Screwed Carbon Steel	395.60		54.51	
23 21	13 23-1231	EA	2" Cross, 6,000 LB, Screwed Carbon Steel	432.14		67.34	
		23 21 13 23-1232		Straight Couplings, Screwed Carbon Steel (23 21 13 23-1153)			
23 21	13 23-1233	EA	1/4" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	26.35		15.35	
23 21	13 23-1234	EA	1/2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	30.05		17.97	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1235	EA		3/4" Coupling, Straight, 3,000 LB, Screwed Carbon Steel.....	34.44	20.09
23 21 13 23-1236	EA		1" Coupling, Straight, 3,000 LB, Screwed Carbon Steel.....	40.13	22.41
23 21 13 23-1237	EA		1-1/2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel.....	59.26	28.67
23 21 13 23-1238	EA		2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel.....	75.21	36.44
23 21 13 23-1239	EA		1/4" Coupling, Straight, 6,000 LB, Screwed Carbon Steel.....	30.87	15.35
23 21 13 23-1240	EA		1/2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel.....	32.91	17.97
23 21 13 23-1241	EA		3/4" Coupling, Straight, 6,000 LB, Screwed Carbon Steel.....	36.63	20.09
23 21 13 23-1242	EA		1" Coupling, Straight, 6,000 LB, Screwed Carbon Steel.....	43.06	22.41
23 21 13 23-1243	EA		1-1/2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel.....	63.74	28.67
23 21 13 23-1244	EA		2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel.....	91.55	36.44
<b>23 21 13 23-1245</b>			<b>Reducing Couplings, Screwed Carbon Steel</b> <small>(23 21 13 23-1153)</small>		
23 21 13 23-1246	EA		1/4" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel.....	26.98	16.36
23 21 13 23-1247	EA		1/2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel.....	31.53	17.97
23 21 13 23-1248	EA		3/4" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel.....	36.70	20.09
23 21 13 23-1249	EA		1" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel.....	43.27	22.41
23 21 13 23-1250	EA		1-1/2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel.....	60.08	28.67
23 21 13 23-1251	EA		2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel.....	79.62	36.44
23 21 13 23-1252	EA		1/2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel.....	89.40	17.97
23 21 13 23-1253	EA		3/4" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel.....	92.61	20.09
23 21 13 23-1254	EA		1" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel.....	108.44	22.41
23 21 13 23-1255	EA		1-1/2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel.....	156.48	28.67
23 21 13 23-1256	EA		2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel.....	225.52	36.44
<b>23 21 13 23-1257</b>			<b>Caps, Screwed Carbon Steel</b> <small>(23 21 13 23-1153)</small>		
23 21 13 23-1258	EA		1/4" Cap, 3,000 LB, Screwed Carbon Steel.....	12.99	6.86
23 21 13 23-1259	EA		1/2" Cap, 3,000 LB, Screwed Carbon Steel.....	14.99	7.97
23 21 13 23-1260	EA		3/4" Cap, 3,000 LB, Screwed Carbon Steel.....	17.59	8.99
23 21 13 23-1261	EA		1" Cap, 3,000 LB, Screwed Carbon Steel.....	21.34	10.00
23 21 13 23-1262	EA		1-1/2" Cap, 3,000 LB, Screwed Carbon Steel.....	29.22	12.72
23 21 13 23-1263	EA		2" Cap, 3,000 LB, Screwed Carbon Steel.....	39.93	16.26
23 21 13 23-1264	EA		1/4" Cap, 6,000 LB, Screwed Carbon Steel.....	18.41	6.86
23 21 13 23-1265	EA		1/2" Cap, 6,000 LB, Screwed Carbon Steel.....	18.47	7.97
23 21 13 23-1266	EA		3/4" Cap, 6,000 LB, Screwed Carbon Steel.....	23.25	8.99
23 21 13 23-1267	EA		1" Cap, 6,000 LB, Screwed Carbon Steel.....	25.48	10.00
23 21 13 23-1268	EA		1-1/2" Cap, 6,000 LB, Screwed Carbon Steel.....	46.07	12.72
23 21 13 23-1269	EA		2" Cap, 6,000 LB, Screwed Carbon Steel.....	56.35	16.26
<b>23 21 13 23-1270</b>			<b>Nipples, Screwed Carbon Steel</b> <small>(23 21 13 23-1153)</small>		
23 21 13 23-1271	EA		1/4" Nipple, 2" Long, Screwed Carbon Steel.....	16.21	9.19
23 21 13 23-1272	EA		1/2" Nipple, 2" Long, Screwed Carbon Steel.....	16.48	9.59
23 21 13 23-1273	EA		3/4" Nipple, 2" Long, Screwed Carbon Steel.....	16.34	9.59
23 21 13 23-1274	EA		1" Nipple, 2" Long, Screwed Carbon Steel.....	18.27	10.40
23 21 13 23-1275	EA		1-1/2" Nipple, 2" Long, Screwed Carbon Steel.....	20.97	11.21
23 21 13 23-1276	EA		2" Nipple, 2" Long, Screwed Carbon Steel.....	24.83	14.43
23 21 13 23-1277	EA		1/4" Nipple, 4" Long, Screwed Carbon Steel.....	17.25	9.19
23 21 13 23-1278	EA		1/2" Nipple, 4" Long, Screwed Carbon Steel.....	17.30	9.59
23 21 13 23-1279	EA		3/4" Nipple, 4" Long, Screwed Carbon Steel.....	17.27	9.59
23 21 13 23-1280	EA		1" Nipple, 4" Long, Screwed Carbon Steel.....	19.53	10.40
23 21 13 23-1281	EA		1-1/2" Nipple, 4" Long, Screwed Carbon Steel.....	23.21	11.21
23 21 13 23-1282	EA		2" Nipple, 4" Long, Screwed Carbon Steel.....	28.10	14.43
23 21 13 23-1283	EA		1/4" Nipple, 6" Long, Screwed Carbon Steel.....	19.72	9.19
23 21 13 23-1284	EA		1/2" Nipple, 6" Long, Screwed Carbon Steel.....	18.60	9.59
23 21 13 23-1285	EA		3/4" Nipple, 6" Long, Screwed Carbon Steel.....	18.73	9.59
23 21 13 23-1286	EA		1" Nipple, 6" Long, Screwed Carbon Steel.....	21.33	10.40
23 21 13 23-1287	EA		1-1/2" Nipple, 6" Long, Screwed Carbon Steel.....	26.26	11.21
23 21 13 23-1288	EA		2" Nipple, 6" Long, Screwed Carbon Steel.....	30.81	14.43
<b>23 21 13 23-1289</b>			<b>Unions, Screwed Carbon Steel</b> <small>(23 21 13 23-1153)</small>		
23 21 13 23-1290	EA		1/4" Union, 3,000 LB, Screwed Carbon Steel.....	33.95	22.31
23 21 13 23-1291	EA		1/2" Union, 3,000 LB, Screwed Carbon Steel.....	35.42	22.41
23 21 13 23-1292	EA		3/4" Union, 3,000 LB, Screwed Carbon Steel.....	40.65	25.94
23 21 13 23-1293	EA		1" Union, 3,000 LB, Screwed Carbon Steel.....	48.54	30.59
23 21 13 23-1294	EA		1-1/2" Union, 3,000 LB, Screwed Carbon Steel.....	69.61	43.41
23 21 13 23-1295	EA		2" Union, 3,000 LB, Screwed Carbon Steel.....	86.42	53.91
23 21 13 23-1296	EA		1/4" Union, 6,000 LB, Screwed Carbon Steel.....	57.95	22.31
23 21 13 23-1297	EA		1/2" Union, 6,000 LB, Screwed Carbon Steel.....	64.44	22.41
23 21 13 23-1298	EA		3/4" Union, 6,000 LB, Screwed Carbon Steel.....	75.79	25.94
23 21 13 23-1299	EA		1" Union, 6,000 LB, Screwed Carbon Steel.....	91.85	30.59
23 21 13 23-1300	EA		1-1/2" Union, 6,000 LB, Screwed Carbon Steel.....	158.16	43.41
23 21 13 23-1301	EA		2" Union, 6,000 LB, Screwed Carbon Steel.....	195.41	53.91
<b>23 21 13 23-1302</b>			<b>Weld Neck Flanges, Screwed Carbon Steel</b> <small>(23 21 13 23-1153)</small>		
23 21 13 23-1303	EA		1/2" Flange, 150 LB, Screwed Carbon Steel.....	75.33	41.69
23 21 13 23-1304	EA		3/4" Flange, 150 LB, Screwed Carbon Steel.....	78.76	43.72
23 21 13 23-1305	EA		1" Flange, 150 LB, Screwed Carbon Steel.....	81.61	45.63
23 21 13 23-1306	EA		1-1/2" Flange, 150 LB, Screwed Carbon Steel.....	90.70	51.39
23 21 13 23-1307	EA		2" Flange, 150 LB, Screwed Carbon Steel.....	94.06	53.60

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
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 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 21 13 23-1308	EA	1/2" Flange, 300 LB, Screwed Carbon Steel.....	76.14	41.69
		<i>For Ring Type Joint, Add</i>	13.58	
		<i>For Blind Flange, Deduct</i>	-27.74	
23 21 13 23-1309	EA	3/4" Flange, 300 LB, Screwed Carbon Steel.....	79.62	43.72
		<i>For Ring Type Joint, Add</i>	14.03	
		<i>For Blind Flange, Deduct</i>	-29.04	
23 21 13 23-1310	EA	1" Flange, 300 LB, Screwed Carbon Steel.....	82.92	45.63
		<i>For Ring Type Joint, Add</i>	14.48	
		<i>For Blind Flange, Deduct</i>	-30.27	
23 21 13 23-1311	EA	1-1/2" Flange, 300 LB, Screwed Carbon Steel .....	93.82	51.39
		<i>For Ring Type Joint, Add</i>	16.75	
		<i>For Blind Flange, Deduct</i>	-34.18	
23 21 13 23-1312	EA	2" Flange, 300 LB, Screwed Carbon Steel.....	97.18	53.60
		<i>For Ring Type Joint, Add</i>	16.75	
		<i>For Blind Flange, Deduct</i>	-35.52	
23 21 13 23-1313	EA	1/2" Flange, 600 LB, Screwed Carbon Steel.....	81.48	41.69
		<i>For Ring Type Joint, Add</i>	18.92	
		<i>For Blind Flange, Deduct</i>	-28.81	
23 21 13 23-1314	EA	3/4" Flange, 600 LB, Screwed Carbon Steel.....	84.51	43.72
		<i>For Ring Type Joint, Add</i>	18.92	
		<i>For Blind Flange, Deduct</i>	-30.02	
23 21 13 23-1315	EA	1" Flange, 600 LB, Screwed Carbon Steel.....	88.22	45.63
		<i>For Ring Type Joint, Add</i>	19.78	
		<i>For Blind Flange, Deduct</i>	-31.33	
23 21 13 23-1316	EA	1-1/2" Flange, 600 LB, Screwed Carbon Steel .....	100.39	51.39
		<i>For Ring Type Joint, Add</i>	23.32	
		<i>For Blind Flange, Deduct</i>	-35.49	
23 21 13 23-1317	EA	2" Flange, 600 LB, Screwed Carbon Steel.....	102.13	53.60
		<i>For Ring Type Joint, Add</i>	21.70	
		<i>For Blind Flange, Deduct</i>	-36.51	
<b>23 21 13 23-1318</b>		<b>Square Head Plugs, Screwed Carbon Steel</b> (23 21 13 23-1153)		
23 21 13 23-1319	EA	1/4" Square Head Plug, Screwed Carbon Steel.....	5.42	2.82
23 21 13 23-1320	EA	1/2" Square Head Plug, Screwed Carbon Steel.....	6.50	3.34
23 21 13 23-1321	EA	3/4" Square Head Plug, Screwed Carbon Steel.....	7.55	3.84
23 21 13 23-1322	EA	1" Square Head Plug, Screwed Carbon Steel.....	11.00	5.65
23 21 13 23-1323	EA	1-1/2" Square Head Plug, Screwed Carbon Steel .....	14.15	5.65
23 21 13 23-1324	EA	2" Square Head Plug, Screwed Carbon Steel.....	20.51	7.37
<b>23 21 13 23-1325</b>		<b>Hex Head Plugs, Screwed Carbon Steel</b> (23 21 13 23-1153)		
23 21 13 23-1326	EA	1/4" Hex Head Plug, Screwed Carbon Steel.....	5.11	2.82
23 21 13 23-1327	EA	1/2" Hex Head Plug, Screwed Carbon Steel.....	6.21	3.34
23 21 13 23-1328	EA	3/4" Hex Head Plug, Screwed Carbon Steel.....	7.36	3.84
23 21 13 23-1329	EA	1" Hex Head Plug, Screwed Carbon Steel.....	10.83	5.65
23 21 13 23-1330	EA	1-1/2" Hex Head Plug, Screwed Carbon Steel.....	13.46	5.65
23 21 13 23-1331	EA	2" Hex Head Plug, Screwed Carbon Steel.....	21.00	7.37
<b>23 21 13 23-1332</b>		<b>Round Head Plugs, Screwed Carbon Steel</b> (23 21 13 23-1153)		
23 21 13 23-1333	EA	1/4" Round Head Plug, Screwed Carbon Steel.....	6.13	2.82
23 21 13 23-1334	EA	1/2" Round Head Plug, Screwed Carbon Steel.....	6.54	3.34
23 21 13 23-1335	EA	3/4" Round Head Plug, Screwed Carbon Steel.....	7.41	3.84
23 21 13 23-1336	EA	1" Round Head Plug, Screwed Carbon Steel.....	11.11	5.65
23 21 13 23-1337	EA	1-1/2" Round Head Plug, Screwed Carbon Steel .....	15.03	5.65
23 21 13 23-1338	EA	2" Round Head Plug, Screwed Carbon Steel.....	20.81	7.37
<b>23 21 13 23-1339</b>		<b>Hexagon Bushings, Screwed Carbon Steel</b> (23 21 13 23-1153)		
23 21 13 23-1340	EA	1/4" Hex Bushing, Screwed Carbon Steel.....	5.34	2.82
23 21 13 23-1341	EA	1/2" Hex Bushing, Screwed Carbon Steel.....	6.19	3.34
23 21 13 23-1342	EA	3/4" Hex Bushing, Screwed Carbon Steel.....	7.28	3.84
23 21 13 23-1343	EA	1" Hex Bushing, Screwed Carbon Steel.....	11.06	5.65
23 21 13 23-1344	EA	1-1/2" Hex Bushing, Screwed Carbon Steel .....	13.40	5.65
23 21 13 23-1345	EA	2" Hex Bushing, Screwed Carbon Steel.....	20.28	7.37
<b>23 21 13 23-1346</b>		<b>90 Degree Street Elbows, Screwed Carbon Steel</b> (23 21 13 23-1153)		
23 21 13 23-1347	EA	1/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	34.40	15.35
23 21 13 23-1348	EA	1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel .....	39.16	17.97
23 21 13 23-1349	EA	3/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel .....	45.87	20.09
23 21 13 23-1350	EA	1" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel .....	53.79	22.41
23 21 13 23-1351	EA	1-1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel .....	86.06	28.67
23 21 13 23-1352	EA	2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel .....	116.12	36.44
23 21 13 23-1353	EA	1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel .....	55.57	17.97
23 21 13 23-1354	EA	3/4" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel .....	79.23	20.09
23 21 13 23-1355	EA	1" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel .....	109.60	22.41
23 21 13 23-1356	EA	1-1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel .....	239.59	28.67
<b>23 21 13 23-1357</b>		<b>Screwed Carbon Steel Laterals</b> (23 21 13 23-1153)		
23 21 13 23-1358	EA	1/2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel .....	146.64	22.41
23 21 13 23-1359	EA	3/4" Lateral, Straight, 3,000 LB, Screwed Carbon Steel .....	176.39	25.94
23 21 13 23-1360	EA	1" Lateral, Straight, 3,000 LB, Screwed Carbon Steel .....	215.86	30.59
23 21 13 23-1361	EA	1-1/2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel .....	277.37	43.41

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 21	13 23-1362	EA	2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel .....	346.06	53.91
23 21	13 23-1363	EA	1/2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel .....	184.96	22.41
23 21	13 23-1364	EA	3/4" Lateral, Straight, 6,000 LB, Screwed Carbon Steel .....	233.37	25.94
23 21	13 23-1365	EA	1" Lateral, Straight, 6,000 LB, Screwed Carbon Steel .....	276.79	30.59
23 21	13 23-1366	EA	1-1/2" Lateral, Straight, 6,000 LB, Screwed Carbon Steel .....	389.39	43.41

**23 21 13 23-1367**
**Grooved-Joint Pipe** (23 21 13 23)

Note: Includes grooving of pipe. Excludes hangers, elbow, tee, reducer fitting or couplings.

**23 21 13 23-1368**
**Schedule 10 Black Grooved Pipe** (23 21 13 23-1367)

23 21	13 23-1369	LF	2" Black Schedule 10 Grooved Pipe .....	23.57	12.82
23 21	13 23-1370	LF	2-1/2" Black Schedule 10 Grooved Pipe .....	32.05	17.57
23 21	13 23-1371	LF	3" Black Schedule 10 Grooved Pipe .....	35.80	19.48
23 21	13 23-1372	LF	3-1/2" Black Schedule 10 Grooved Pipe .....	38.75	20.19
23 21	13 23-1373	LF	4" Black Schedule 10 Grooved Pipe .....	41.44	21.91
23 21	13 23-1374	LF	5" Black Schedule 10 Grooved Pipe .....	55.37	26.86
23 21	13 23-1375	LF	6" Black Schedule 10 Grooved Pipe .....	74.13	38.17
23 21	13 23-1376	LF	8" Black Schedule 10 Grooved Pipe .....	94.11	42.80
23 21	13 23-1377	LF	10" Black Schedule 10 Grooved Pipe .....	116.40	51.59
23 21	13 23-1378	LF	12" Black Schedule 10 Grooved Pipe .....	133.48	58.45

**23 21 13 23-1379**
**Schedule 40 Black Grooved Pipe** (23 21 13 23-1367)

23 21	13 23-1380	LF	3/4" Black Schedule 40 Grooved Pipe .....	14.20	7.77
23 21	13 23-1381	LF	1" Black Schedule 40 Grooved Pipe .....	16.02	8.79
23 21	13 23-1382	LF	1-1/4" Black Schedule 40 Grooved Pipe .....	17.87	9.49
23 21	13 23-1383	LF	1-1/2" Black Schedule 40 Grooved Pipe .....	20.33	10.80
23 21	13 23-1384	LF	2" Black Schedule 40 Grooved Pipe .....	25.75	13.73
23 21	13 23-1385	LF	2-1/2" Black Schedule 40 Grooved Pipe .....	35.58	18.78
23 21	13 23-1386	LF	3" Black Schedule 40 Grooved Pipe .....	41.42	21.41
23 21	13 23-1387	LF	4" Black Schedule 40 Grooved Pipe .....	48.91	23.82
23 21	13 23-1388	LF	5" Black Schedule 40 Grooved Pipe .....	64.37	28.97
23 21	13 23-1389	LF	6" Black Schedule 40 Grooved Pipe .....	88.73	41.79
23 21	13 23-1390	LF	8" Black Schedule 40 Grooved Pipe .....	111.60	47.35
23 21	13 23-1391	LF	10" Black Schedule 40 Grooved Pipe .....	147.07	56.54
23 21	13 23-1392	LF	12" Black Schedule 40 Grooved Pipe .....	171.94	64.91
23 21	13 23-1393	LF	14" Black Schedule 40 Grooved Pipe .....	228.48	87.73
23 21	13 23-1394	LF	16" Black Schedule 40 Grooved Pipe .....	266.15	103.18
23 21	13 23-1395	LF	18" Black Schedule 40 Grooved Pipe .....	328.25	125.29
23 21	13 23-1396	LF	20" Black Schedule 40 Grooved Pipe .....	379.81	146.08
23 21	13 23-1397	LF	24" Black Schedule 40 Grooved Pipe .....	484.45	175.36

**23 21 13 23-1398**
**Schedule 80 Black Grooved Pipe** (23 21 13 23-1367)

23 21	13 23-1399	LF	3/4" Black Schedule 80 Grooved Pipe .....	15.53	8.48
23 21	13 23-1400	LF	1" Black Schedule 80 Grooved Pipe .....	16.95	8.99
23 21	13 23-1401	LF	1-1/4" Black Schedule 80 Grooved Pipe .....	19.45	10.00
23 21	13 23-1402	LF	1-1/2" Black Schedule 80 Grooved Pipe .....	22.02	11.21
23 21	13 23-1403	LF	2" Black Schedule 80 Grooved Pipe .....	28.46	14.43
23 21	13 23-1404	LF	2-1/2" Black Schedule 80 Grooved Pipe .....	39.66	19.88
23 21	13 23-1405	LF	3" Black Schedule 80 Grooved Pipe .....	46.26	22.31
23 21	13 23-1406	LF	4" Black Schedule 80 Grooved Pipe .....	55.26	24.33
23 21	13 23-1407	LF	5" Black Schedule 80 Grooved Pipe .....	79.35	30.59
23 21	13 23-1408	LF	6" Black Schedule 80 Grooved Pipe .....	106.34	43.82
23 21	13 23-1409	LF	8" Black Schedule 80 Grooved Pipe .....	147.16	50.08
23 21	13 23-1410	LF	10" Black Schedule 80 Grooved Pipe .....	181.71	60.47
23 21	13 23-1411	LF	12" Black Schedule 80 Grooved Pipe .....	198.63	73.10

**23 21 13 23-1412**
**Schedule 40 Galvanized Grooved Pipe** (23 21 13 23-1367)

23 21	13 23-1413	LF	3/4" Galvanized Schedule 40 Grooved Pipe .....	16.90	7.77
23 21	13 23-1414	LF	1" Galvanized Schedule 40 Grooved Pipe .....	19.55	8.79
23 21	13 23-1415	LF	1-1/4" Galvanized Schedule 40 Grooved Pipe .....	21.77	9.49
23 21	13 23-1416	LF	1-1/2" Galvanized Schedule 40 Grooved Pipe .....	24.78	10.80
23 21	13 23-1417	LF	2" Galvanized Schedule 40 Grooved Pipe .....	31.35	13.73
23 21	13 23-1418	LF	2-1/2" Galvanized Schedule 40 Grooved Pipe .....	43.85	18.78
23 21	13 23-1419	LF	3" Galvanized Schedule 40 Grooved Pipe .....	51.97	21.41
23 21	13 23-1420	LF	4" Galvanized Schedule 40 Grooved Pipe .....	63.88	23.82
23 21	13 23-1421	LF	5" Galvanized Schedule 40 Grooved Pipe .....	89.27	28.97
23 21	13 23-1422	LF	6" Galvanized Schedule 40 Grooved Pipe .....	120.66	41.79
23 21	13 23-1423	LF	8" Galvanized Schedule 40 Grooved Pipe .....	159.42	47.35
23 21	13 23-1424	LF	10" Galvanized Schedule 40 Grooved Pipe .....	223.66	56.54
23 21	13 23-1425	LF	12" Galvanized Schedule 40 Grooved Pipe .....	263.99	64.91

**23 21 13 23-1426**
**Schedule 80 Galvanized Grooved Pipe** (23 21 13 23-1367)

23 21	13 23-1427	LF	3/4" Galvanized Schedule 80 Grooved Pipe .....	18.16	8.48
23 21	13 23-1428	LF	1" Galvanized Schedule 80 Grooved Pipe .....	23.46	8.99
23 21	13 23-1429	LF	1-1/4" Galvanized Schedule 80 Grooved Pipe .....	23.82	10.00
23 21	13 23-1430	LF	1-1/2" Galvanized Schedule 80 Grooved Pipe .....	31.02	11.91
23 21	13 23-1431	LF	2" Galvanized Schedule 80 Grooved Pipe .....	35.19	14.43
23 21	13 23-1432	LF	2-1/2" Galvanized Schedule 80 Grooved Pipe .....	49.75	19.88
23 21	13 23-1433	LF	3" Galvanized Schedule 80 Grooved Pipe .....	59.67	22.31
23 21	13 23-1434	LF	4" Galvanized Schedule 80 Grooved Pipe .....	74.71	24.33

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1435	LF	5" Galvanized Schedule 80 Grooved Pipe .....	111.87	30.59
23 21	13 23-1436	LF	6" Galvanized Schedule 80 Grooved Pipe .....	145.44	43.82
23 21	13 23-1437	LF	8" Galvanized Schedule 80 Grooved Pipe .....	215.83	50.08
23 21	13 23-1438	LF	10" Galvanized Schedule 80 Grooved Pipe .....	256.96	60.47
23 21	13 23-1439	LF	12" Galvanized Schedule 80 Grooved Pipe .....	282.74	73.10
23 21	13 23-1440		<b>Painted Grooved-Joint Pipe Fittings</b> <small>(23 21 13 23)</small>		
			Note: Couplings are not included with fittings.		
23 21	13 23-1441		<b>Grooved Elbows</b> <small>(23 21 13 23-1440)</small>		
23 21	13 23-1442		<b>90 Degree Grooved Elbows</b> <small>(23 21 13 23-1441)</small>		
			Note: Victaulic No. 10		
23 21	13 23-1443	EA	3/4", Ductile Iron, Grooved 90 Degree Elbow .....	79.30	11.01
			<i>For Galvanized Fittings, Add</i>	20.72	
23 21	13 23-1444	EA	1", Ductile Iron, Grooved 90 Degree Elbow .....	79.30	11.01
			<i>For Galvanized Fittings, Add</i>	20.72	
23 21	13 23-1445	EA	1-1/4", Ductile Iron, Grooved 90 Degree Elbow .....	83.42	13.73
			<i>For Galvanized Fittings, Add</i>	20.72	
23 21	13 23-1446	EA	1-1/2", Ductile Iron, Grooved 90 Degree Elbow .....	87.79	16.66
			<i>For Galvanized Fittings, Add</i>	20.72	
23 21	13 23-1447	EA	2", Ductile Iron, Grooved 90 Degree Elbow .....	95.80	22.01
			<i>For Galvanized Fittings, Add</i>	20.72	
23 21	13 23-1448	EA	2-1/2", Ductile Iron, Grooved 90 Degree Elbow .....	102.99	26.86
			<i>For Galvanized Fittings, Add</i>	20.72	
23 21	13 23-1449	EA	3", Ductile Iron, Grooved 90 Degree Elbow .....	160.28	32.51
			<i>For Galvanized Fittings, Add</i>	36.81	
23 21	13 23-1450	EA	4", Ductile Iron, Grooved 90 Degree Elbow .....	185.82	42.90
			<i>For Galvanized Fittings, Add</i>	40.10	
23 21	13 23-1451	EA	5", Ductile Iron, Grooved 90 Degree Elbow .....	376.15	53.60
			<i>For Galvanized Fittings, Add</i>	97.60	
23 21	13 23-1452	EA	6", Ductile Iron, Grooved 90 Degree Elbow .....	448.89	70.16
			<i>For Galvanized Fittings, Add</i>	113.43	
23 21	13 23-1453	EA	8", Ductile Iron, Grooved 90 Degree Elbow .....	848.63	83.49
			<i>For Galvanized Fittings, Add</i>	238.74	
23 21	13 23-1454	EA	10", Ductile Iron, Grooved 90 Degree Elbow .....	1,273.19	97.42
			<i>For Galvanized Fittings, Add</i>	371.95	
23 21	13 23-1455	EA	12", Ductile Iron, Grooved 90 Degree Elbow .....	1,981.88	116.90
			<i>For Galvanized Fittings, Add</i>	596.18	
23 21	13 23-1456	EA	14", Steel, Grooved 90 Degree Elbow .....	3,954.98	131.95
			<i>For Galvanized Fittings, Add</i>	1,239.85	
23 21	13 23-1457	EA	16", Steel, Grooved 90 Degree Elbow .....	5,135.27	146.08
			<i>For Galvanized Fittings, Add</i>	1,622.35	
23 21	13 23-1458	EA	18", Steel, Grooved 90 Degree Elbow .....	6,474.45	159.61
			<i>For Galvanized Fittings, Add</i>	2,057.62	
23 21	13 23-1459	EA	20", Steel, Grooved 90 Degree Elbow .....	8,442.59	165.97
			<i>For Galvanized Fittings, Add</i>	2,703.92	
23 21	13 23-1460	EA	24", Steel, Grooved 90 Degree Elbow .....	12,085.07	196.26
			<i>For Galvanized Fittings, Add</i>	3,891.00	
23 21	13 23-1461		<b>45 Degree Grooved Elbows</b> <small>(23 21 13 23-1441)</small>		
			Note: Victaulic No. 11		
23 21	13 23-1462	EA	3/4", Ductile Iron, Grooved 45 Degree Elbow .....	79.25	11.01
			<i>For Galvanized Fittings, Add</i>	15.06	
23 21	13 23-1463	EA	1", Ductile Iron, Grooved 45 Degree Elbow .....	79.25	11.01
			<i>For Galvanized Fittings, Add</i>	15.06	
23 21	13 23-1464	EA	1-1/4", Ductile Iron, Grooved 45 Degree Elbow .....	83.37	13.73
			<i>For Galvanized Fittings, Add</i>	15.06	
23 21	13 23-1465	EA	1-1/2", Ductile Iron, Grooved 45 Degree Elbow .....	87.74	16.66
			<i>For Galvanized Fittings, Add</i>	15.06	
23 21	13 23-1466	EA	2", Ductile Iron, Grooved 45 Degree Elbow .....	95.75	22.01
			<i>For Galvanized Fittings, Add</i>	15.06	
23 21	13 23-1467	EA	2-1/2", Ductile Iron, Grooved 45 Degree Elbow .....	102.94	26.86
			<i>For Galvanized Fittings, Add</i>	15.06	
23 21	13 23-1468	EA	3", Ductile Iron, Grooved 45 Degree Elbow .....	160.23	32.51
			<i>For Galvanized Fittings, Add</i>	26.76	
23 21	13 23-1469	EA	4", Ductile Iron, Grooved 45 Degree Elbow .....	185.82	42.90
			<i>For Galvanized Fittings, Add</i>	29.16	
23 21	13 23-1470	EA	5", Ductile Iron, Grooved 45 Degree Elbow .....	376.15	53.60
			<i>For Galvanized Fittings, Add</i>	70.98	
23 21	13 23-1471	EA	6", Ductile Iron, Grooved 45 Degree Elbow .....	448.89	70.16
			<i>For Galvanized Fittings, Add</i>	82.50	
23 21	13 23-1472	EA	8", Ductile Iron, Grooved 45 Degree Elbow .....	848.63	83.49
			<i>For Galvanized Fittings, Add</i>	173.63	
23 21	13 23-1473	EA	10", Ductile Iron, Grooved 45 Degree Elbow .....	1,273.19	97.42
			<i>For Galvanized Fittings, Add</i>	270.51	
23 21	13 23-1474	EA	12", Ductile Iron, Grooved 45 Degree Elbow .....	1,981.88	116.90
			<i>For Galvanized Fittings, Add</i>	433.59	
23 21	13 23-1475	EA	14", Steel, Grooved 45 Degree Elbow .....	3,954.98	131.95
			<i>For Galvanized Fittings, Add</i>	901.71	
23 21	13 23-1476	EA	16", Steel, Grooved 45 Degree Elbow .....	5,135.27	146.08
			<i>For Galvanized Fittings, Add</i>	1,179.89	
23 21	13 23-1477	EA	18", Steel, Grooved 45 Degree Elbow .....	6,474.45	159.61
			<i>For Galvanized Fittings, Add</i>	1,496.45	
23 21	13 23-1478	EA	20", Steel, Grooved 45 Degree Elbow .....	8,443.04	166.28
			<i>For Galvanized Fittings, Add</i>	1,966.49	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1479	EA	24", Steel, Grooved 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	12,085.07 2,829.82	196.26
<b>23 21</b>	<b>13 23-1480</b>		<b>22-1/2 Degree Grooved Elbows (23 21 13 23-1441)</b> Note: Victaulic No. 12		
23 21	13 23-1481	EA	1", Ductile Iron, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	83.38 16.05	11.01
23 21	13 23-1482	EA	1-1/4", Ductile Iron, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	87.50 16.05	13.73
23 21	13 23-1483	EA	1-1/2", Ductile Iron, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	91.87 16.05	16.66
23 21	13 23-1484	EA	2", Ductile Iron, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	99.88 16.05	22.01
23 21	13 23-1485	EA	2-1/2", Ductile Iron, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	107.07 16.05	26.86
23 21	13 23-1486	EA	3", Ductile Iron, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	146.55 23.48	32.51
23 21	13 23-1487	EA	4", Ductile Iron, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	195.48 31.48	42.90
23 21	13 23-1488	EA	5", Ductile Iron, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	487.16 97.63	53.60
23 21	13 23-1489	EA	6", Ductile Iron, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	476.77 89.19	70.16
23 21	13 23-1490	EA	8", Ductile Iron, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	902.71 186.60	83.49
23 21	13 23-1491	EA	10", Steel, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	1,213.51 256.19	97.42
23 21	13 23-1492	EA	12", Steel, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	1,618.36 346.34	116.90
23 21	13 23-1493	EA	14", Steel, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	1,864.68 400.03	131.95
23 21	13 23-1494	EA	16", Steel, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	2,218.17 479.79	146.08
23 21	13 23-1495	EA	18", Steel, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	2,660.33 581.06	159.61
23 21	13 23-1496	EA	20", Steel, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	3,111.26 686.97	165.97
23 21	13 23-1497	EA	24", Steel, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	4,140.55 923.14	196.26
<b>23 21</b>	<b>13 23-1498</b>		<b>11-1/4 Degree Grooved Elbows (23 21 13 23-1441)</b> Note: Victaulic No. 13		
23 21	13 23-1499	EA	1", Ductile Iron, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	83.38 16.05	11.01
23 21	13 23-1500	EA	1-1/4", Ductile Iron, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	87.50 16.05	13.73
23 21	13 23-1501	EA	1-1/2", Ductile Iron, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	91.87 16.05	16.66
23 21	13 23-1502	EA	2", Ductile Iron, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	99.88 16.05	22.01
23 21	13 23-1503	EA	2-1/2", Ductile Iron, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	107.07 16.05	26.86
23 21	13 23-1504	EA	3", Ductile Iron, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	146.54 23.48	32.51
23 21	13 23-1505	EA	4", Ductile Iron, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	195.47 31.48	42.90
23 21	13 23-1506	EA	5", Ductile Iron, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	487.14 97.62	53.60
23 21	13 23-1507	EA	6", Ductile Iron, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	476.75 89.18	70.16
23 21	13 23-1508	EA	8", Ductile Iron, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	902.67 186.60	83.49
23 21	13 23-1509	EA	10", Steel, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	1,213.45 256.17	97.42
23 21	13 23-1510	EA	12", Steel, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	1,618.29 346.32	116.90
23 21	13 23-1511	EA	14", Steel, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	1,864.60 400.01	131.95
23 21	13 23-1512	EA	16", Steel, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	2,218.10 479.76	146.18
23 21	13 23-1513	EA	18", Steel, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	2,660.17 581.03	159.61
23 21	13 23-1514	EA	20", Steel, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	3,111.10 686.93	165.97
23 21	13 23-1515	EA	24", Steel, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	4,140.33 923.08	196.26
<b>23 21</b>	<b>13 23-1516</b>		<b>90 Degree Grooved Long Radius Elbows (23 21 13 23-1441)</b> Note: Victaulic No. 100		
23 21	13 23-1517	EA	2", Ductile Iron, Grooved 90 Degree Long Radius Elbow <i>For Galvanized Fittings, Add</i>	176.57 34.46	22.01
23 21	13 23-1518	EA	2-1/2", Ductile Iron, Grooved 90 Degree Long Radius Elbow <i>For Galvanized Fittings, Add</i>	456.76 99.98	26.86
23 21	13 23-1519	EA	3", Ductile Iron, Grooved 90 Degree Long Radius Elbow <i>For Galvanized Fittings, Add</i>	192.29 34.46	32.51

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1520	EA	4", Ductile Iron, Grooved 90 Degree Long Radius Elbow <i>For Galvanized Fittings, Add</i>	279.37 51.61	42.90
23 21	13 23-1521	EA	5", Ductile Iron, Grooved 90 Degree Long Radius Elbow <i>For Galvanized Fittings, Add</i>	1,182.69 264.55	53.60
23 21	13 23-1522	EA	6", Ductile Iron, Grooved 90 Degree Long Radius Elbow <i>For Galvanized Fittings, Add</i>	734.29 150.99	70.16
23 21	13 23-1523	EA	8", Ductile Iron, Grooved, 90 Degree Long Radius Elbow <i>For Galvanized Fittings, Add</i>	1,634.27 362.18	83.49
23 21	13 23-1524	EA	10", Ductile Iron, Grooved 90 Degree Long Radius Elbow <i>For Galvanized Fittings, Add</i>	3,275.01 750.95	97.42
23 21	13 23-1525	EA	12", Ductile Iron, Grooved 90 Degree Long Radius Elbow <i>For Galvanized Fittings, Add</i>	3,906.55 895.51	116.90
<b>23 21 13 23-1526 Grooved Tees, Wyes And Crosses</b> (23 21 13 23-1440)					
<b>23 21 13 23-1527 Grooved Tees</b> (23 21 13 23-1526)					
Note: Victaulic No. 20					
23 21	13 23-1528	EA	3/4", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	117.67 28.79	14.43
23 21	13 23-1529	EA	1", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	120.95 28.79	16.66
23 21	13 23-1530	EA	1-1/4", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	126.51 28.79	20.40
23 21	13 23-1531	EA	1-1/2", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	133.45 28.79	25.03
23 21	13 23-1532	EA	2", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	144.48 28.79	32.41
23 21	13 23-1533	EA	2-1/2", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	155.50 28.79	39.68
23 21	13 23-1534	EA	3", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	207.49 40.33	48.76
23 21	13 23-1535	EA	4", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	300.75 61.86	63.10
23 21	13 23-1536	EA	5", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	607.42 145.13	82.48
23 21	13 23-1537	EA	6", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	713.75 167.73	103.18
23 21	13 23-1538	EA	8", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	1,409.07 366.38	125.29
23 21	13 23-1539	EA	10", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	2,399.95 654.26	146.08
23 21	13 23-1540	EA	12", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	3,316.11 915.96	175.36
23 21	13 23-1541	EA	14", Steel, Grooved Tee <i>For Galvanized Fittings, Add</i>	3,622.90 999.23	194.85
23 21	13 23-1542	EA	16", Steel, Grooved Tee <i>For Galvanized Fittings, Add</i>	4,536.55 1,272.83	195.95
23 21	13 23-1543	EA	18", Steel, Grooved Tee <i>For Galvanized Fittings, Add</i>	5,637.41 1,594.01	216.14
23 21	13 23-1544	EA	20", Steel, Grooved Tee <i>For Galvanized Fittings, Add</i>	7,942.34 2,283.96	219.58
23 21	13 23-1545	EA	24", Steel, Grooved Tee <i>For Galvanized Fittings, Add</i>	12,101.84 3,509.21	269.76
<b>23 21 13 23-1546 Grooved Wyes (90 Degree True Wye)</b> (23 21 13 23-1526)					
Note: Victaulic No. 33					
23 21	13 23-1547	EA	1", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	429.86 64.78	16.66
23 21	13 23-1548	EA	1-1/4", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	435.42 64.78	20.40
23 21	13 23-1549	EA	1-1/2", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	442.36 64.78	25.03
23 21	13 23-1550	EA	2", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	453.39 64.78	32.41
23 21	13 23-1551	EA	2-1/2", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	464.41 64.78	39.68
23 21	13 23-1552	EA	3", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	557.04 77.44	48.76
23 21	13 23-1553	EA	4", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	728.46 101.42	63.10
23 21	13 23-1554	EA	5", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	1,032.28 145.38	82.48
23 21	13 23-1555	EA	6", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	1,278.87 179.88	103.18
23 21	13 23-1556	EA	8", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	1,806.97 259.07	125.29
23 21	13 23-1557	EA	10", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	3,013.76 447.15	146.08
23 21	13 23-1558	EA	12", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	3,350.37 494.00	175.36
23 21	13 23-1559	EA	14", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	3,817.67 564.09	194.85
23 21	13 23-1560	EA	16", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	4,872.71 732.68	195.75
23 21	13 23-1561	EA	18", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	5,562.50 838.09	216.34



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1562	EA	20", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	7,925.65 1,215.52	219.17
23 21	13 23-1563	EA	24", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	12,215.72 1,869.80	269.76
<b>23 21 13 23-1564 Grooved Crosses (23 21 13 23-1526)</b>					
Note: Victaulic No. 35					
23 21	13 23-1565	EA	3/4", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	294.69 39.32	21.71
23 21	13 23-1566	EA	1", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	299.62 39.32	25.03
23 21	13 23-1567	EA	1-1/4", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	362.19 47.46	30.59
23 21	13 23-1568	EA	1-1/2", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	397.13 51.14	37.55
23 21	13 23-1569	EA	2", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	265.43 28.90	48.56
23 21	13 23-1570	EA	2-1/2", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	281.97 28.90	59.56
23 21	13 23-1571	EA	3", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	455.80 51.93	73.10
23 21	13 23-1572	EA	4", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	718.13 86.44	94.59
23 21	13 23-1573	EA	5", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	1,362.78 176.60	123.67
23 21	13 23-1574	EA	6", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	1,746.68 227.21	154.77
23 21	13 23-1575	EA	8", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	2,276.55 299.23	187.87
23 21	13 23-1576	EA	10", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	3,730.99 510.35	219.17
23 21	13 23-1577	EA	12", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	5,304.24 736.48	263.08
23 21	13 23-1578	EA	14", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	5,525.06 763.03	292.26
23 21	13 23-1579	EA	16", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	7,095.17 998.17	293.98
23 21	13 23-1580	EA	18", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	8,642.83 1,223.52	324.17
23 21	13 23-1581	EA	20", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	12,049.51 1,733.38	329.22
23 21	13 23-1582	EA	24", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	18,446.44 2,675.96	404.63
<b>23 21 13 23-1583 Grooved Reducing Tees (23 21 13 23-1526)</b>					
Note: Victaulic No. 25					
23 21	13 23-1584	EA	1", Steel, Grooved Reducing Tee <i>For Galvanized Fittings, Add</i>	210.14 37.03	16.66
23 21	13 23-1585	EA	1-1/4", Steel, Grooved Reducing Tee <i>For Galvanized Fittings, Add</i>	221.51 38.19	20.40
23 21	13 23-1586	EA	1-1/2", Steel, Grooved Reducing Tee <i>For Galvanized Fittings, Add</i>	233.21 39.14	25.03
23 21	13 23-1587	EA	2", Steel, Grooved Reducing Tee <i>For Galvanized Fittings, Add</i>	277.66 45.83	32.41
23 21	13 23-1588	EA	2-1/2", Steel, Grooved Reducing Tee <i>For Galvanized Fittings, Add</i>	312.26 50.54	39.68
23 21	13 23-1589	EA	3", Steel, Grooved Reducing Tee <i>For Galvanized Fittings, Add</i>	349.68 55.32	48.76
23 21	13 23-1590	EA	4", Steel, Grooved Reducing Tee <i>For Galvanized Fittings, Add</i>	467.61 74.61	63.10
23 21	13 23-1591	EA	5", Steel, Grooved Reducing Tee <i>For Galvanized Fittings, Add</i>	616.24 98.52	82.48
23 21	13 23-1592	EA	6", Steel, Grooved Reducing Tee <i>For Galvanized Fittings, Add</i>	847.59 138.59	103.18
23 21	13 23-1593	EA	8", Steel, Grooved Reducing Tee <i>For Galvanized Fittings, Add</i>	1,331.14 228.67	125.29
23 21	13 23-1594	EA	10", Steel, Grooved Reducing Tee <i>For Galvanized Fittings, Add</i>	1,904.62 337.11	146.08
23 21	13 23-1595	EA	12", Steel, Grooved Reducing Tee <i>For Galvanized Fittings, Add</i>	2,749.35 497.29	175.36
23 21	13 23-1596	EA	14", Steel, Grooved Reducing Tee <i>For Galvanized Fittings, Add</i>	3,116.19 564.81	194.85
23 21	13 23-1597	EA	16", Steel, Grooved Reducing Tee <i>For Galvanized Fittings, Add</i>	3,962.21 733.68	195.95
23 21	13 23-1598	EA	18", Steel, Grooved Reducing Tee <i>For Galvanized Fittings, Add</i>	4,815.03 898.21	216.14
23 21	13 23-1599	EA	20", Steel, Grooved Reducing Tee <i>For Galvanized Fittings, Add</i>	6,752.06 1,284.60	219.48
23 21	13 23-1600	EA	24", Steel, Grooved Reducing Tee <i>For Galvanized Fittings, Add</i>	10,750.60 2,069.23	269.76
<b>23 21 13 23-1601 Grooved 45 Degree Lateral Wyes (23 21 13 23-1526)</b>					
Note: Victaulic No. 30					
23 21	13 23-1602	EA	3/4", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	405.13 69.02	14.43

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 20 HVAC Piping and Pumps**

**23 21 Hydronic Piping and Pumps**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1603	EA	1", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	408.41 69.02	16.66
23 21	13 23-1604	EA	1-1/4", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	413.97 69.02	20.40
23 21	13 23-1605	EA	1-1/2", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	420.91 69.02	25.03
23 21	13 23-1606	EA	2", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	431.94 69.02	32.41
23 21	13 23-1607	EA	2-1/2", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	442.96 69.02	39.68
23 21	13 23-1608	EA	3", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	404.31 59.62	48.76
23 21	13 23-1609	EA	3-1/2", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	645.44 101.02	56.23
23 21	13 23-1610	EA	4", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	747.81 117.59	63.10
23 21	13 23-1611	EA	5", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	1,078.37 171.85	82.48
23 21	13 23-1612	EA	6", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	1,692.84 276.87	103.18
23 21	13 23-1613	EA	8", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	2,403.36 398.80	125.29
23 21	13 23-1614	EA	10", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	3,346.30 562.90	146.08
23 21	13 23-1615	EA	12", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	4,043.86 680.57	175.36
23 21	13 23-1616	EA	14", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	5,810.67 993.34	194.85
23 21	13 23-1617	EA	16", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	7,187.96 1,240.95	195.95
23 21	13 23-1618	EA	18", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	8,030.81 1,387.23	216.14
23 21	13 23-1619	EA	20", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	12,019.02 2,104.19	219.48
23 21	13 23-1620	EA	24", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	18,569.81 3,269.76	269.76
23 21	13 23-1621		<b>Grooved 45 Degree Lateral Reducing Wyes</b> (23 21 13 23-1526) Note: Victaulic No. 30R		
23 21	13 23-1622	EA	3", Steel, Grooved 45 Degree Lateral Reducing Wye <i>For Galvanized Fittings, Add</i>	404.31 43.06	48.76
23 21	13 23-1623	EA	4", Steel, Grooved 45 Degree Lateral Reducing Wye <i>For Galvanized Fittings, Add</i>	747.81 84.92	63.10
23 21	13 23-1624	EA	5", Steel, Grooved 45 Degree Lateral Reducing Wye <i>For Galvanized Fittings, Add</i>	1,078.37 124.11	82.48
23 21	13 23-1625	EA	6", Steel, Grooved 45 Degree Lateral Reducing Wye <i>For Galvanized Fittings, Add</i>	1,388.13 160.35	103.18
23 21	13 23-1626	EA	8", Steel, Grooved 45 Degree Lateral Reducing Wye <i>For Galvanized Fittings, Add</i>	1,968.43 231.48	125.29
23 21	13 23-1627	EA	10", Steel, Grooved 45 Degree Lateral Reducing Wye <i>For Galvanized Fittings, Add</i>	2,399.86 283.50	146.08
23 21	13 23-1628	EA	12", Steel, Grooved 45 Degree Lateral Reducing Wye <i>For Galvanized Fittings, Add</i>	2,913.09 344.52	175.36
23 21	13 23-1629	EA	14", Steel, Grooved 45 Degree Lateral Reducing Wye <i>For Galvanized Fittings, Add</i>	3,261.00 385.95	194.85
23 21	13 23-1630	EA	16", Steel, Grooved 45 Degree Lateral Reducing Wye <i>For Galvanized Fittings, Add</i>	4,131.35 498.88	195.95
23 21	13 23-1631	EA	18", Steel, Grooved 45 Degree Lateral Reducing Wye <i>For Galvanized Fittings, Add</i>	6,216.53 766.03	216.14
23 21	13 23-1632	EA	20", Steel, Grooved 45 Degree Lateral Reducing Wye <i>For Galvanized Fittings, Add</i>	8,954.20 1,121.27	219.48
23 21	13 23-1633	EA	24", Steel, Grooved 45 Degree Lateral Reducing Wye <i>For Galvanized Fittings, Add</i>	14,368.92 1,815.38	269.76
23 21	13 23-1634		<b>Mechanical-T Outlet</b> (23 21 13 23-1526) Note: Includes making opening in pipe. Grooved or treaded branch outlets. Victaulic Styles 920 or 921.		
23 21	13 23-1635	EA	2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet <i>For Galvanized Fittings, Add</i>	136.45 15.81	36.34
23 21	13 23-1636	EA	2" x 1" Mechanical-T Outlet With Threaded Branch Outlet <i>For Galvanized Fittings, Add</i>	136.45 15.81	36.34
23 21	13 23-1637	EA	2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet <i>For Galvanized Fittings, Add</i>	146.41 18.28	36.34
23 21	13 23-1638	EA	2" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet	146.41	36.34
23 21	13 23-1639	EA	2-1/2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	145.53	40.89
23 21	13 23-1640	EA	2-1/2" x 1" Mechanical-T Outlet With Threaded Branch Outlet	145.53	40.89
23 21	13 23-1641	EA	2-1/2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	171.81	40.89
23 21	13 23-1642	EA	3" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	164.29	45.43
23 21	13 23-1643	EA	3" x 1" Mechanical-T Outlet With Threaded Branch Outlet	164.29	45.43
23 21	13 23-1644	EA	3" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	185.44	45.43
23 21	13 23-1645	EA	3" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet	185.44	45.43
23 21	13 23-1646	EA	3" x 2" Mechanical-T Outlet With Threaded Branch Outlet	199.93	45.43
23 21	13 23-1647	EA	4" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	214.77	60.57
23 21	13 23-1648	EA	4" x 1" Mechanical-T Outlet With Threaded Branch Outlet	214.77	60.57
23 21	13 23-1649	EA	4" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	231.29	60.57
23 21	13 23-1650	EA	4" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	235.93	60.57
23 21	13 23-1651	EA	4" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	235.93	60.57

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-	1652	EA 4" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	240.56	60.57
23 21	13 23-	1653	EA 4" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	249.45	60.57
23 21	13 23-	1654	EA 5" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	307.54	83.28
23 21	13 23-	1655	EA 5" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	307.54	83.28
23 21	13 23-	1656	EA 5" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	315.56	83.28
23 21	13 23-	1657	EA 5" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	325.60	83.28
23 21	13 23-	1658	EA 6" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	356.25	106.00
23 21	13 23-	1659	EA 6" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	356.25	106.00
23 21	13 23-	1660	EA 6" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	368.04	106.00
23 21	13 23-	1661	EA 6" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	377.99	106.00
23 21	13 23-	1662	EA 6" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	395.67	106.00
23 21	13 23-	1663	EA 8" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	535.90	140.32
23 21	13 23-	1664	EA 8" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	535.90	140.32
23 21	13 23-	1665	EA 8" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	550.10	140.32
23 21	13 23-	1666	EA 8" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	558.51	140.32
<b>23 21 13 23-1667 Installation-Ready™ Grooved Fittings (23 21 13 23-1440)</b>					
<b>23 21 13 23-1668 Installation-Ready™ 90 Degree Grooved Elbows (23 21 13 23-1667)</b>					
Note: Victaulic No. 101					
23 21	13 23-	1669	EA 1-1/4" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow .....	215.14	10.00
			For Galvanized Fittings, Add	66.00	
			For Galvanized Fittings, Add	51.20	
23 21	13 23-	1670	EA 1-1/2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow .....	224.04	11.99
			For Galvanized Fittings, Add	67.94	
			For Galvanized Fittings, Add	52.70	
23 21	13 23-	1671	EA 2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow .....	231.57	15.99
			For Galvanized Fittings, Add	68.42	
			For Galvanized Fittings, Add	53.08	
23 21	13 23-	1672	EA 2-1/2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow .....	280.27	19.98
			For Galvanized Fittings, Add	82.50	
			For Galvanized Fittings, Add	64.00	
<b>23 21 13 23-1673 Installation-Ready™ 45 Degree Grooved Elbows (23 21 13 23-1667)</b>					
Note: Victaulic No. 103					
23 21	13 23-	1674	EA 1-1/4" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow .....	215.14	10.00
			For Galvanized Fittings, Add	48.00	
			For Galvanized Fittings, Add	51.20	
23 21	13 23-	1675	EA 1-1/2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow .....	224.04	11.99
			For Galvanized Fittings, Add	49.41	
			For Galvanized Fittings, Add	52.70	
23 21	13 23-	1676	EA 2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow .....	231.57	15.99
			For Galvanized Fittings, Add	49.76	
			For Galvanized Fittings, Add	53.08	
23 21	13 23-	1677	EA 2-1/2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow .....	280.27	19.98
			For Galvanized Fittings, Add	60.00	
			For Galvanized Fittings, Add	64.00	
<b>23 21 13 23-1678 Installation-Ready™ Grooved Tees (23 21 13 23-1667)</b>					
Note: Victaulic No. 102					
23 21	13 23-	1679	EA 1-1/4" Ductile Iron, Grooved, Installation-Ready™ Tee .....	329.00	13.32
			For Galvanized Fittings, Add	92.64	
			For Galvanized Fittings, Add	79.06	
23 21	13 23-	1680	EA 1-1/2" Ductile Iron, Grooved, Installation-Ready™ Tee .....	343.33	15.99
			For Galvanized Fittings, Add	95.73	
			For Galvanized Fittings, Add	81.69	
23 21	13 23-	1681	EA 2" Ductile Iron, Grooved, Installation-Ready™ Tee .....	355.82	21.32
			For Galvanized Fittings, Add	97.05	
			For Galvanized Fittings, Add	82.82	
23 21	13 23-	1682	EA 2-1/2" Ductile Iron, Grooved, Installation-Ready™ Tee .....	413.89	26.66
			For Galvanized Fittings, Add	112.05	
			For Galvanized Fittings, Add	95.62	
<b>23 21 13 23-1683 Grooved Fittings (23 21 13 23-1440)</b>					
<b>23 21 13 23-1684 Flanged Adapter Nipple, Grooved (23 21 13 23-1683)</b>					
Note: Victaulic No. 41 and 45					
23 21	13 23-	1685	EA 1" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	288.00	12.11
			For Galvanized Fittings, Add	48.57	
			For 300 LB Rating, Add	40.47	
23 21	13 23-	1686	EA 1-1/4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	290.03	13.42
			For Galvanized Fittings, Add	48.57	
			For 300 LB Rating, Add	40.47	
23 21	13 23-	1687	EA 1-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	295.07	16.86
			For Galvanized Fittings, Add	48.57	
			For 300 LB Rating, Add	40.47	
23 21	13 23-	1688	EA 2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	305.69	23.92
			For Galvanized Fittings, Add	48.57	
			For 300 LB Rating, Add	40.47	
23 21	13 23-	1689	EA 2-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	313.28	28.97
			For Galvanized Fittings, Add	48.57	
			For 300 LB Rating, Add	40.47	
23 21	13 23-	1690	EA 3" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	397.13	34.63
			For Galvanized Fittings, Add	62.15	
			For 300 LB Rating, Add	51.79	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

23 21 13 23-1691	EA 4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	481.66	46.64
	<i>For Galvanized Fittings, Add</i>	74.12	
	<i>For 300 LB Rating, Add</i>	61.77	
23 21 13 23-1692	EA 5" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	672.99	56.44
	<i>For Galvanized Fittings, Add</i>	105.91	
	<i>For 300 LB Rating, Add</i>	88.26	
23 21 13 23-1693	EA 6" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	785.62	76.22
	<i>For Galvanized Fittings, Add</i>	120.84	
	<i>For 300 LB Rating, Add</i>	100.70	
23 21 13 23-1694	EA 8" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	1,081.30	103.18
	<i>For Galvanized Fittings, Add</i>	166.80	
	<i>For 300 LB Rating, Add</i>	139.00	
23 21 13 23-1695	EA 10" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	1,699.94	125.29
	<i>For Galvanized Fittings, Add</i>	272.19	
	<i>For 300 LB Rating, Add</i>	226.82	
23 21 13 23-1696	EA 12" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	2,286.66	146.08
	<i>For Galvanized Fittings, Add</i>	372.16	
	<i>For 300 LB Rating, Add</i>	310.14	
23 21 13 23-1697	EA 14" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	2,701.14	175.36
	<i>For Galvanized Fittings, Add</i>	438.88	
	<i>For 300 LB Rating, Add</i>	365.74	
23 21 13 23-1698	EA 16" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	4,047.06	194.85
	<i>For Galvanized Fittings, Add</i>	675.89	
	<i>For 300 LB Rating, Add</i>	563.24	
23 21 13 23-1699	EA 18" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	4,848.65	292.26
	<i>For Galvanized Fittings, Add</i>	793.89	
	<i>For 300 LB Rating, Add</i>	661.57	
23 21 13 23-1700	EA 20" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	5,122.95	350.71
	<i>For Galvanized Fittings, Add</i>	827.49	
	<i>For 300 LB Rating, Add</i>	689.57	
23 21 13 23-1701	EA 24" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	8,514.88	389.68
	<i>For Galvanized Fittings, Add</i>	1,427.52	
	<i>For 300 LB Rating, Add</i>	1,189.60	

**23 21 13 23-1702 Grooved Concentric Reducers (23 21 13 23-1683)**

Note: Victaulic No. 50

23 21 13 23-1703	EA 1-1/4" x 3/4", Grooved Concentric Reducer.....	305.97	12.11
	<i>For Galvanized Fittings, Add</i>	12.66	
23 21 13 23-1704	EA 1-1/4" x 1", Grooved Concentric Reducer.....	319.96	12.82
	<i>For Galvanized Fittings, Add</i>	13.23	
23 21 13 23-1705	EA 1-1/2" x 3/4", Grooved Concentric Reducer.....	360.40	13.83
	<i>For Galvanized Fittings, Add</i>	40.83	
23 21 13 23-1706	EA 1-1/2" x 1", Grooved Concentric Reducer.....	94.45	14.43
	<i>For Galvanized Fittings, Add</i>	8.74	
23 21 13 23-1707	EA 1-1/2" x 1-1/4", Grooved Concentric Reducer.....	304.28	15.15
	<i>For Galvanized Fittings, Add</i>	33.84	
23 21 13 23-1708	EA 2" x 3/4", Grooved Concentric Reducer.....	97.47	16.46
	<i>For Galvanized Fittings, Add</i>	8.74	
23 21 13 23-1709	EA 2" x 1", Grooved Concentric Reducer.....	98.48	17.16
	<i>For Galvanized Fittings, Add</i>	8.74	
23 21 13 23-1710	EA 2" x 1-1/4", Grooved Concentric Reducer.....	106.81	17.87
	<i>For Galvanized Fittings, Add</i>	9.62	
23 21 13 23-1711	EA 2" x 1-1/2", Grooved Concentric Reducer.....	102.58	19.88
	<i>For Galvanized Fittings, Add</i>	8.74	
23 21 13 23-1712	EA 2-1/2" x 3/4", Grooved Concentric Reducer.....	619.90	18.57
	<i>For Galvanized Fittings, Add</i>	71.16	
23 21 13 23-1713	EA 2-1/2" x 1", Grooved Concentric Reducer.....	493.27	19.28
	<i>For Galvanized Fittings, Add</i>	55.82	
23 21 13 23-1714	EA 2-1/2" x 1-1/4", Grooved Concentric Reducer.....	450.26	19.88
	<i>For Galvanized Fittings, Add</i>	50.53	
23 21 13 23-1715	EA 2-1/2" x 1-1/2", Grooved Concentric Reducer.....	105.54	21.91
	<i>For Galvanized Fittings, Add</i>	8.74	
23 21 13 23-1716	EA 2-1/2" x 2", Grooved Concentric Reducer.....	109.58	24.53
	<i>For Galvanized Fittings, Add</i>	8.74	
23 21 13 23-1717	EA 3" x 3/4", Grooved Concentric Reducer.....	628.24	21.61
	<i>For Galvanized Fittings, Add</i>	90.58	
23 21 13 23-1718	EA 3" x 1", Grooved Concentric Reducer.....	113.61	22.21
	<i>For Galvanized Fittings, Add</i>	12.21	
23 21 13 23-1719	EA 3" x 1-1/4", Grooved Concentric Reducer.....	495.84	22.92
	<i>For Galvanized Fittings, Add</i>	70.15	
23 21 13 23-1720	EA 3" x 1-1/2", Grooved Concentric Reducer.....	465.71	24.53
	<i>For Galvanized Fittings, Add</i>	65.19	
23 21 13 23-1721	EA 3" x 2", Grooved Concentric Reducer.....	104.70	27.26
	<i>For Galvanized Fittings, Add</i>	9.70	
23 21 13 23-1722	EA 3" x 2-1/2", Grooved Concentric Reducer.....	136.65	32.51
	<i>For Galvanized Fittings, Add</i>	13.37	
23 21 13 23-1723	EA 3-1/2" x 3", Grooved Concentric Reducer.....	146.19	35.03
	<i>For Galvanized Fittings, Add</i>	14.24	
23 21 13 23-1724	EA 4" x 1", Grooved Concentric Reducer.....	137.98	27.56
	<i>For Galvanized Fittings, Add</i>	16.56	
23 21 13 23-1725	EA 4" x 1-1/4", Grooved Concentric Reducer.....	805.89	28.27
	<i>For Galvanized Fittings, Add</i>	130.94	
23 21 13 23-1726	EA 4" x 1-1/2", Grooved Concentric Reducer.....	628.62	29.98
	<i>For Galvanized Fittings, Add</i>	100.10	
23 21 13 23-1727	EA 4" x 2", Grooved Concentric Reducer.....	133.92	32.71
	<i>For Galvanized Fittings, Add</i>	14.57	
23 21 13 23-1728	EA 4" x 2-1/2", Grooved Concentric Reducer.....	158.98	35.03
	<i>For Galvanized Fittings, Add</i>	18.26	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1729	EA	4" x 3", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	163.01 18.26	37.76
23 21	13 23-1730	EA	4" x 3-1/2", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	167.05 18.26	40.38
23 21	13 23-1731	EA	5" x 2", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	1,131.49 184.27	38.06
23 21	13 23-1732	EA	5" x 2-1/2", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	894.21 142.97	40.38
23 21	13 23-1733	EA	5" x 3", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	189.26 21.38	43.10
23 21	13 23-1734	EA	5" x 4", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	221.54 25.53	48.45
23 21	13 23-1735	EA	6" x 1", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	259.55 36.94	41.09
23 21	13 23-1736	EA	6" x 1-1/2", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	1,194.80 210.80	43.41
23 21	13 23-1737	EA	6" x 2", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	267.10 36.94	46.14
23 21	13 23-1738	EA	6" x 2-1/2", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	1,208.82 212.00	48.45
23 21	13 23-1739	EA	6" x 3", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	274.69 36.94	51.19
23 21	13 23-1740	EA	6" x 4", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	257.20 32.17	56.54
23 21	13 23-1741	EA	6" x 5", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	347.93 47.59	61.99
23 21	13 23-1742	EA	8" x 3", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	440.55 66.01	57.95
23 21	13 23-1743	EA	8" x 4", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	448.61 66.01	63.30
23 21	13 23-1744	EA	8" x 5", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	456.71 66.01	68.65
23 21	13 23-1745	EA	8" x 6", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	566.16 84.17	76.72
23 21	13 23-1746	EA	10" x 4", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	947.70 157.15	70.36
23 21	13 23-1747	EA	10" x 5", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	1,970.05 346.42	75.72
23 21	13 23-1748	EA	10" x 6", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	1,046.67 171.85	83.79
23 21	13 23-1749	EA	10" x 8", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	1,056.75 171.85	90.56
23 21	13 23-1750	EA	12" x 4", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	2,908.04 418.19	80.16
23 21	13 23-1751	EA	12" x 6", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	1,238.75 164.77	93.58
23 21	13 23-1752	EA	12" x 8", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	1,800.46 247.51	100.35
23 21	13 23-1753	EA	12" x 10", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	1,811.12 247.51	107.42
23 21	13 23-1754	EA	14" x 6", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	5,749.82 171.88	100.85
23 21	13 23-1755	EA	14" x 8", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	3,447.53 100.89	107.62
23 21	13 23-1756	EA	14" x 10", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	2,946.58 85.18	114.69
23 21	13 23-1757	EA	14" x 12", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	2,961.19 85.18	124.37
23 21	13 23-1758	EA	16" x 8", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	5,235.32 155.44	114.79
23 21	13 23-1759	EA	16" x 10", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	4,863.93 143.71	121.85
23 21	13 23-1760	EA	16" x 12", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	4,504.13 132.22	131.65
23 21	13 23-1761	EA	16" x 14", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	4,515.03 132.22	138.91
23 21	13 23-1762	EA	18" x 10", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	6,803.00 202.93	128.61
23 21	13 23-1763	EA	18" x 12", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	6,167.49 182.98	138.31
23 21	13 23-1764	EA	18" x 14", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	5,613.98 165.65	145.58
23 21	13 23-1765	EA	18" x 16", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	5,624.88 165.65	152.94
23 21	13 23-1766	EA	20" x 10", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	7,484.41 223.70	131.95
23 21	13 23-1767	EA	20" x 12", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	6,424.80 190.72	141.74
23 21	13 23-1768	EA	20" x 14", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	6,435.71 190.72	149.01
23 21	13 23-1769	EA	20" x 16", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	5,745.56 169.20	156.18
23 21	13 23-1770	EA	20" x 18", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	6,121.59 180.43	162.94
23 21	13 23-1771	EA	24" x 10", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	16,457.23 498.48	146.78
23 21	13 23-1772	EA	24" x 12", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	16,079.81 486.44	156.58

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 21 13 23-1773	EA	24" x 14", Grooved Concentric Reducer	14,021.61	163.75
		<i>For Galvanized Fittings, Add</i>	422.93	
23 21 13 23-1774	EA	24" x 16", Grooved Concentric Reducer	14,032.59	171.12
		<i>For Galvanized Fittings, Add</i>	422.93	
23 21 13 23-1775	EA	24" x 18", Grooved Concentric Reducer	12,025.19	177.78
		<i>For Galvanized Fittings, Add</i>	360.99	
23 21 13 23-1776	EA	24" x 20", Grooved Concentric Reducer	10,988.78	181.21
		<i>For Galvanized Fittings, Add</i>	329.01	

**23 21 13 23-1777 Grooved Eccentric Reducers** (23 21 13 23-1683)

Note: Victaulic No. 51

23 21 13 23-1778	EA	1-1/2" x 3/4", Grooved Eccentric Reducer	372.12	13.83
		<i>For Galvanized Fittings, Add</i>	42.24	
23 21 13 23-1779	EA	1-1/2" x 1", Grooved Eccentric Reducer	338.92	14.43
		<i>For Galvanized Fittings, Add</i>	38.13	
23 21 13 23-1780	EA	1-1/2" x 1-1/4", Grooved Eccentric Reducer	333.01	15.15
		<i>For Galvanized Fittings, Add</i>	37.30	
23 21 13 23-1781	EA	2" x 3/4", Grooved Eccentric Reducer	707.58	16.46
		<i>For Galvanized Fittings, Add</i>	82.08	
23 21 13 23-1782	EA	2" x 1", Grooved Eccentric Reducer	376.01	17.16
		<i>For Galvanized Fittings, Add</i>	42.10	
23 21 13 23-1783	EA	2" x 1-1/4", Grooved Eccentric Reducer	410.76	17.87
		<i>For Galvanized Fittings, Add</i>	46.16	
23 21 13 23-1784	EA	2" x 1-1/2", Grooved Eccentric Reducer	351.28	19.88
		<i>For Galvanized Fittings, Add</i>	38.64	
23 21 13 23-1785	EA	2-1/2" x 3/4", Grooved Eccentric Reducer	919.24	18.57
		<i>For Galvanized Fittings, Add</i>	107.14	
23 21 13 23-1786	EA	2-1/2" x 1", Grooved Eccentric Reducer	859.29	19.28
		<i>For Galvanized Fittings, Add</i>	99.82	
23 21 13 23-1787	EA	2-1/2" x 1-1/4", Grooved Eccentric Reducer	512.14	19.88
		<i>For Galvanized Fittings, Add</i>	57.97	
23 21 13 23-1788	EA	2-1/2" x 1-1/2", Grooved Eccentric Reducer	414.97	21.91
		<i>For Galvanized Fittings, Add</i>	45.94	
23 21 13 23-1789	EA	2-1/2" x 2", Grooved Eccentric Reducer	190.78	24.53
		<i>For Galvanized Fittings, Add</i>	18.50	
23 21 13 23-1790	EA	3" x 1", Grooved Eccentric Reducer	924.07	22.21
		<i>For Galvanized Fittings, Add</i>	107.07	
23 21 13 23-1791	EA	3" x 1-1/4", Grooved Eccentric Reducer	840.73	22.92
		<i>For Galvanized Fittings, Add</i>	96.93	
23 21 13 23-1792	EA	3" x 1-1/2", Grooved Eccentric Reducer	478.88	24.53
		<i>For Galvanized Fittings, Add</i>	53.13	
23 21 13 23-1793	EA	3" x 2", Grooved Eccentric Reducer	217.80	27.26
		<i>For Galvanized Fittings, Add</i>	21.26	
23 21 13 23-1794	EA	3" x 2-1/2", Grooved Eccentric Reducer	225.63	32.51
		<i>For Galvanized Fittings, Add</i>	21.26	
23 21 13 23-1795	EA	3-1/2" x 3", Grooved Eccentric Reducer	1,031.23	35.03
		<i>For Galvanized Fittings, Add</i>	117.64	
23 21 13 23-1796	EA	4" x 1", Grooved Eccentric Reducer	1,847.03	27.56
		<i>For Galvanized Fittings, Add</i>	309.67	
23 21 13 23-1797	EA	4" x 1-1/2", Grooved Eccentric Reducer	1,136.97	29.98
		<i>For Galvanized Fittings, Add</i>	187.28	
23 21 13 23-1798	EA	4" x 2", Grooved Eccentric Reducer	265.28	32.71
		<i>For Galvanized Fittings, Add</i>	37.10	
23 21 13 23-1799	EA	4" x 2-1/2", Grooved Eccentric Reducer	268.82	35.03
		<i>For Galvanized Fittings, Add</i>	37.10	
23 21 13 23-1800	EA	4" x 3", Grooved Eccentric Reducer	272.85	37.76
		<i>For Galvanized Fittings, Add</i>	37.10	
23 21 13 23-1801	EA	5" x 2", Grooved Eccentric Reducer	1,261.22	38.06
		<i>For Galvanized Fittings, Add</i>	206.52	
23 21 13 23-1802	EA	5" x 2-1/2", Grooved Eccentric Reducer	1,086.49	40.38
		<i>For Galvanized Fittings, Add</i>	175.94	
23 21 13 23-1803	EA	5" x 3", Grooved Eccentric Reducer	1,055.55	43.10
		<i>For Galvanized Fittings, Add</i>	169.94	
23 21 13 23-1804	EA	5" x 4", Grooved Eccentric Reducer	367.32	48.45
		<i>For Galvanized Fittings, Add</i>	50.53	
23 21 13 23-1805	EA	6" x 1", Grooved Eccentric Reducer	1,933.52	41.09
		<i>For Galvanized Fittings, Add</i>	349.30	
23 21 13 23-1806	EA	6" x 2", Grooved Eccentric Reducer	1,776.27	46.14
		<i>For Galvanized Fittings, Add</i>	318.55	
23 21 13 23-1807	EA	6" x 2-1/2", Grooved Eccentric Reducer	2,105.49	48.45
		<i>For Galvanized Fittings, Add</i>	379.32	
23 21 13 23-1808	EA	6" x 3", Grooved Eccentric Reducer	468.99	51.19
		<i>For Galvanized Fittings, Add</i>	73.20	
23 21 13 23-1809	EA	6" x 4", Grooved Eccentric Reducer	428.16	56.54
		<i>For Galvanized Fittings, Add</i>	64.07	
23 21 13 23-1810	EA	6" x 5", Grooved Eccentric Reducer	504.75	61.99
		<i>For Galvanized Fittings, Add</i>	76.85	
23 21 13 23-1811	EA	8" x 3", Grooved Eccentric Reducer	2,070.32	57.95
		<i>For Galvanized Fittings, Add</i>	370.12	
23 21 13 23-1812	EA	8" x 4", Grooved Eccentric Reducer	1,828.34	63.30
		<i>For Galvanized Fittings, Add</i>	323.46	
23 21 13 23-1813	EA	8" x 5", Grooved Eccentric Reducer	1,716.90	68.65
		<i>For Galvanized Fittings, Add</i>	301.16	
23 21 13 23-1814	EA	8" x 6", Grooved Eccentric Reducer	811.30	76.72
		<i>For Galvanized Fittings, Add</i>	129.91	
23 21 13 23-1815	EA	10" x 4", Grooved Eccentric Reducer	3,286.46	70.36
		<i>For Galvanized Fittings, Add</i>	593.56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1816	EA	10" x 5", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	3,110.51 559.23	75.72
23 21	13 23-1817	EA	10" x 6", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	2,385.66 421.71	83.79
23 21	13 23-1818	EA	10" x 8", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	2,048.54 356.92	90.56
23 21	13 23-1819	EA	12" x 4", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	3,354.60 488.08	80.16
23 21	13 23-1820	EA	12" x 6", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	3,159.41 455.59	93.58
23 21	13 23-1821	EA	12" x 8", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	3,092.27 443.93	100.35
23 21	13 23-1822	EA	12" x 10", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	2,796.09 397.62	107.42
23 21	13 23-1823	EA	14" x 6", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	7,768.97 233.86	100.85
23 21	13 23-1824	EA	14" x 8", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	5,031.57 149.52	107.62
23 21	13 23-1825	EA	14" x 10", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	4,808.04 142.33	114.69
23 21	13 23-1826	EA	14" x 12", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	4,822.65 142.33	124.37
23 21	13 23-1827	EA	16" x 8", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	8,585.00 258.27	114.79
23 21	13 23-1828	EA	16" x 10", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	7,956.85 238.66	121.85
23 21	13 23-1829	EA	16" x 12", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	7,502.20 224.26	131.65
23 21	13 23-1830	EA	16" x 14", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	7,513.10 224.26	138.91
23 21	13 23-1831	EA	18" x 10", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	10,766.35 324.61	128.61
23 21	13 23-1832	EA	18" x 12", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	10,135.93 304.81	138.31
23 21	13 23-1833	EA	18" x 14", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	9,238.88 276.93	145.58
23 21	13 23-1834	EA	18" x 16", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	9,249.78 276.93	152.94
23 21	13 23-1835	EA	20" x 10", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	14,131.21 427.76	131.95
23 21	13 23-1836	EA	20" x 12", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	10,518.83 316.41	141.74
23 21	13 23-1837	EA	20" x 14", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	9,885.43 296.63	149.01
23 21	13 23-1838	EA	20" x 16", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	9,739.85 291.83	156.18
23 21	13 23-1839	EA	20" x 18", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	9,385.85 280.64	162.94
23 21	13 23-1840	EA	24" x 12", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	20,405.15 619.23	156.58
23 21	13 23-1841	EA	24" x 14", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	17,436.45 527.76	163.75
23 21	13 23-1842	EA	24" x 16", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	17,447.43 527.76	171.12
23 21	13 23-1843	EA	24" x 18", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	16,481.60 497.80	177.78
23 21	13 23-1844	EA	24" x 20", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	15,068.79 454.27	181.21
23 21	13 23-1845		<b>Close Nipple, Grooved</b> <small>(23 21 13 23-1683)</small> Note: Victaulic No. 143		
23 21	13 23-1846	EA	1-1/4" Ductile Iron, Grooved, Close Nipple <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i> <i>For Galvanized Fittings, Add</i>	53.03 5.91 4.93 8.41	13.32
23 21	13 23-1847	EA	1-1/2" Ductile Iron, Grooved, Close Nipple <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i> <i>For Galvanized Fittings, Add</i>	61.02 6.44 5.37 9.16	16.66
23 21	13 23-1848	EA	2" Ductile Iron, Grooved, Close Nipple <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i> <i>For Galvanized Fittings, Add</i>	76.46 7.77 6.47 11.04	21.99
23 21	13 23-1849	EA	2-1/2" Ductile Iron, Grooved, Close Nipple <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i> <i>For Galvanized Fittings, Add</i>	91.36 9.18 7.65 13.05	26.66
23 21	13 23-1850		<b>Grooved Couplings</b> <small>(23 21 13 23-1440)</small>		
23 21	13 23-1851		<b>Flexible Grooved Coupling</b> <small>(23 21 13 23-1850)</small> Note: Victaulic Style 77		
23 21	13 23-1852	EA	3/4" Grooved Standard Coupling <i>For Galvanized Fittings, Add</i>	54.89 13.06	5.45
23 21	13 23-1853	EA	1" Grooved Standard Coupling <i>For Galvanized Fittings, Add</i>	54.89 13.06	5.45

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 21 13 23-1854	EA	1-1/4" Grooved Standard Coupling	72.36	6.86
		<i>For Galvanized Fittings, Add</i>	17.37	
23 21 13 23-1855	EA	1-1/2" Grooved Standard Coupling	80.15	8.17
		<i>For Galvanized Fittings, Add</i>	18.99	
23 21 13 23-1856	EA	2" Grooved Standard Coupling	88.18	11.01
		<i>For Galvanized Fittings, Add</i>	20.07	
23 21 13 23-1857	EA	2-1/2" Grooved Standard Coupling	105.89	13.42
		<i>For Galvanized Fittings, Add</i>	24.02	
23 21 13 23-1858	EA	3" Grooved Standard Coupling	109.79	16.05
		<i>For Galvanized Fittings, Add</i>	24.02	
23 21 13 23-1859	EA	3-1/2" Grooved Standard Coupling	166.42	18.78
		<i>For Galvanized Fittings, Add</i>	38.70	
23 21 13 23-1860	EA	4" Grooved Standard Coupling	170.37	21.41
		<i>For Galvanized Fittings, Add</i>	38.70	
23 21 13 23-1861	EA	5" Grooved Standard Coupling	252.10	26.86
		<i>For Galvanized Fittings, Add</i>	59.33	
23 21 13 23-1862	EA	6" Grooved Standard Coupling	303.08	35.03
		<i>For Galvanized Fittings, Add</i>	70.14	
23 21 13 23-1863	EA	8" Grooved Standard Coupling	470.92	41.79
		<i>For Galvanized Fittings, Add</i>	114.33	
23 21 13 23-1864	EA	10" Grooved Standard Coupling	753.73	50.08
		<i>For Galvanized Fittings, Add</i>	190.01	
23 21 13 23-1865	EA	12" Grooved Standard Coupling	854.82	54.81
		<i>For Galvanized Fittings, Add</i>	216.34	
23 21 13 23-1866	EA	14" Grooved Standard Coupling	1,048.20	73.10
		<i>For Galvanized Fittings, Add</i>	262.82	
23 21 13 23-1867	EA	16" Grooved Standard Coupling	1,362.68	87.73
		<i>For Galvanized Fittings, Add</i>	344.74	
23 21 13 23-1868	EA	18" Grooved Standard Coupling	1,587.99	97.42
		<i>For Galvanized Fittings, Add</i>	403.74	
23 21 13 23-1869	EA	20" Grooved Standard Coupling	2,432.71	109.64
		<i>For Galvanized Fittings, Add</i>	635.15	
23 21 13 23-1870	EA	24" Grooved Standard Coupling	2,689.87	134.87
		<i>For Galvanized Fittings, Add</i>	696.54	
<b>23 21 13 23-1871</b>		<b>Zero-Flex® Rigid Coupling</b> <small>(23 21 13 23-1850)</small>		
		Note: Victaulic Style 07		
23 21 13 23-1872	EA	1" Grooved Rigid Coupling	73.13	5.45
		<i>For Galvanized Fittings, Add</i>	15.90	
23 21 13 23-1873	EA	1-1/4" Grooved Rigid Coupling	75.20	6.86
		<i>For Galvanized Fittings, Add</i>	15.90	
23 21 13 23-1874	EA	1-1/2" Grooved Rigid Coupling	77.21	8.17
		<i>For Galvanized Fittings, Add</i>	15.90	
23 21 13 23-1875	EA	2" Grooved Rigid Coupling	83.04	11.01
		<i>For Galvanized Fittings, Add</i>	16.30	
23 21 13 23-1876	EA	2-1/2" Grooved Rigid Coupling	96.82	13.42
		<i>For Galvanized Fittings, Add</i>	18.80	
23 21 13 23-1877	EA	3" Grooved Rigid Coupling	100.72	16.05
		<i>For Galvanized Fittings, Add</i>	18.80	
23 21 13 23-1878	EA	3-1/2" Grooved Rigid Coupling	117.84	18.78
		<i>For Galvanized Fittings, Add</i>	21.96	
23 21 13 23-1879	EA	4" Grooved Rigid Coupling	159.19	21.41
		<i>For Galvanized Fittings, Add</i>	31.12	
23 21 13 23-1880	EA	5" Grooved Rigid Coupling	205.17	26.86
		<i>For Galvanized Fittings, Add</i>	40.42	
23 21 13 23-1881	EA	6" Grooved Rigid Coupling	273.11	35.03
		<i>For Galvanized Fittings, Add</i>	54.03	
23 21 13 23-1882	EA	8" Grooved Rigid Coupling	410.01	41.79
		<i>For Galvanized Fittings, Add</i>	85.12	
23 21 13 23-1883	EA	10" Grooved Rigid Coupling	697.64	50.08
		<i>For Galvanized Fittings, Add</i>	152.52	
23 21 13 23-1884	EA	12" Grooved Rigid Coupling	778.79	54.81
		<i>For Galvanized Fittings, Add</i>	170.67	
23 21 13 23-1885	EA	14" Grooved Rigid Coupling	1,019.70	73.10
		<i>For Galvanized Fittings, Add</i>	222.99	
23 21 13 23-1886	EA	16" Grooved Rigid Coupling	1,318.50	87.73
		<i>For Galvanized Fittings, Add</i>	290.82	
23 21 13 23-1887	EA	18" Grooved Rigid Coupling	1,518.29	97.42
		<i>For Galvanized Fittings, Add</i>	336.20	
23 21 13 23-1888	EA	20" Grooved Rigid Coupling	1,798.04	109.64
		<i>For Galvanized Fittings, Add</i>	400.26	
23 21 13 23-1889	EA	24" Grooved Rigid Coupling	2,608.62	134.87
		<i>For Galvanized Fittings, Add</i>	589.57	
<b>23 21 13 23-1890</b>		<b>Large Diameter Grooved Coupling</b> <small>(23 21 13 23-1850)</small>		
		Note: Victaulic Style 770		
23 21 13 23-1891	EA	28" Grooved Coupling	2,927.77	26.86
		<i>For Galvanized Fittings, Add</i>	404.26	
23 21 13 23-1892	EA	30" Grooved Coupling	3,377.09	35.03
		<i>For Galvanized Fittings, Add</i>	465.43	
23 21 13 23-1893	EA	32" Grooved Coupling	5,041.25	41.79
		<i>For Galvanized Fittings, Add</i>	697.01	
23 21 13 23-1894	EA	36" Grooved Coupling	6,707.90	50.08
		<i>For Galvanized Fittings, Add</i>	928.59	
23 21 13 23-1895	EA	42" Grooved Coupling	13,496.36	54.81
		<i>For Galvanized Fittings, Add</i>	1,877.99	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>23 21 13 23-1896 Flexible Coupling (23 21 13 23-1850)</b>					
Note: Victaulic Style 75					
23 21 13 23-1897	EA		1-1/2" Grooved Flexible Coupling .....	71.30	8.17
			For Galvanized Fittings, Add .....	15.10	
23 21 13 23-1898	EA		2" Grooved Flexible Coupling .....	76.99	11.01
			For Galvanized Fittings, Add .....	15.49	
23 21 13 23-1899	EA		2-1/2" Grooved Flexible Coupling .....	90.22	13.42
			For Galvanized Fittings, Add .....	17.95	
23 21 13 23-1900	EA		3" Grooved Flexible Coupling .....	105.53	16.05
			For Galvanized Fittings, Add .....	20.87	
23 21 13 23-1901	EA		3-1/2" Grooved Flexible Coupling .....	143.69	18.78
			For Galvanized Fittings, Add .....	29.57	
23 21 13 23-1902	EA		4" Grooved Flexible Coupling .....	147.64	21.41
			For Galvanized Fittings, Add .....	29.57	
23 21 13 23-1903	EA		5" Grooved Flexible Coupling .....	206.82	26.86
			For Galvanized Fittings, Add .....	42.66	
23 21 13 23-1904	EA		6" Grooved Flexible Coupling .....	253.31	35.03
			For Galvanized Fittings, Add .....	51.39	
23 21 13 23-1905	EA		8" Grooved Flexible Coupling .....	378.12	41.79
			For Galvanized Fittings, Add .....	80.78	
<b>23 21 13 23-1906 Installation-Ready™ Coupling (23 21 13 23-1850)</b>					
Note: Victaulic Style 009N					
23 21 13 23-1907	EA		1-1/4" Ductile Iron, Installation-Ready™ Coupling .....	65.58	5.10
			For Galvanized Fittings, Add .....	14.81	
23 21 13 23-1908	EA		1-1/2" Ductile Iron, Installation-Ready™ Coupling .....	68.29	6.10
			For Galvanized Fittings, Add .....	15.12	
23 21 13 23-1909	EA		2" Ductile Iron, Installation-Ready™ Coupling .....	79.21	8.19
			For Galvanized Fittings, Add .....	17.10	
23 21 13 23-1910	EA		2-1/2" Ductile Iron, Installation-Ready™ Coupling .....	91.99	9.93
			For Galvanized Fittings, Add .....	19.70	
23 21 13 23-1911	EA		3" Ductile Iron, Installation-Ready™ Coupling .....	105.14	11.92
			For Galvanized Fittings, Add .....	22.29	
23 21 13 23-1912	EA		4" Ductile Iron, Installation-Ready™ Coupling .....	146.39	15.92
			For Galvanized Fittings, Add .....	31.30	
23 21 13 23-1913	EA		5" Ductile Iron, Installation-Ready™ Coupling .....	230.17	19.92
			For Galvanized Fittings, Add .....	51.20	
23 21 13 23-1914	EA		6" Ductile Iron, Installation-Ready™ Coupling .....	278.44	26.05
			For Galvanized Fittings, Add .....	61.17	
23 21 13 23-1915	EA		8" Ductile Iron, Installation-Ready™ Coupling .....	446.18	30.98
			For Galvanized Fittings, Add .....	102.21	
<b>23 21 13 23-1916 Grooved Strainers And Suction Diffusers (23 21 13 23-1440)</b>					
<b>23 21 13 23-1917 Grooved Wye Strainers (23 21 13 23-1916)</b>					
Note: Victaulic Style 732					
23 21 13 23-1918	EA		2" Grooved Wye Strainer .....	1,909.06	22.21
23 21 13 23-1919	EA		2-1/2" Grooved Wye Strainer .....	2,010.82	26.96
23 21 13 23-1920	EA		3" Grooved Wye Strainer .....	2,262.07	32.31
23 21 13 23-1921	EA		4" Grooved Wye Strainer .....	2,569.67	43.10
23 21 13 23-1922	EA		5" Grooved Wye Strainer .....	3,709.59	53.91
23 21 13 23-1923	EA		6" Grooved Wye Strainer .....	4,045.11	70.06
23 21 13 23-1924	EA		8" Grooved Wye Strainer .....	6,165.33	83.49
23 21 13 23-1925	EA		10" Grooved Wye Strainer .....	9,855.86	97.62
23 21 13 23-1926	EA		12" Grooved Wye Strainer .....	17,137.49	117.21
<b>23 21 13 23-1927 Grooved Tee Type Strainers (23 21 13 23-1916)</b>					
Note: Victaulic Style 730					
23 21 13 23-1928	EA		1-1/2" Grooved Tee Type Strainer .....	1,472.72	16.86
23 21 13 23-1929	EA		2" Grooved Tee Type Strainer .....	1,885.91	22.21
23 21 13 23-1930	EA		2-1/2" Grooved Tee Type Strainer .....	1,986.75	26.96
23 21 13 23-1931	EA		3" Grooved Tee Type Strainer .....	2,234.88	32.31
23 21 13 23-1932	EA		4" Grooved Tee Type Strainer .....	2,538.85	43.10
23 21 13 23-1933	EA		5" Grooved Tee Type Strainer .....	3,664.71	53.91
23 21 13 23-1934	EA		6" Grooved Tee Type Strainer .....	3,996.73	70.06
23 21 13 23-1935	EA		8" Grooved Tee Type Strainer .....	6,090.40	83.49
23 21 13 23-1936	EA		10" Grooved Tee Type Strainer .....	8,907.61	97.62
23 21 13 23-1937	EA		12" Grooved Tee Type Strainer .....	11,453.76	117.21
23 21 13 23-1938	EA		14" Grooved Tee Type Strainer .....	40,398.36	131.95
23 21 13 23-1939	EA		16" Grooved Tee Type Strainer .....	50,182.36	146.08
23 21 13 23-1940	EA		18" Grooved Tee Type Strainer .....	65,955.56	159.61
<b>23 21 13 23-1941 Grooved Suction Diffuser (23 21 13 23-1916)</b>					
Note: Victaulic Style 731					
23 21 13 23-1942	EA		2-1/2" Grooved x 2" Flanged Suction Diffuser .....	3,884.18	24.93
23 21 13 23-1943	EA		3" Grooved x 2" Flanged Suction Diffuser .....	4,123.67	27.56
23 21 13 23-1944	EA		3" Grooved x 2-1/2" Flanged Suction Diffuser .....	2,983.20	32.31
23 21 13 23-1945	EA		3" Grooved x 3" Flanged Suction Diffuser .....	3,026.00	35.03
23 21 13 23-1946	EA		4" Grooved x 2-1/2" Flanged Suction Diffuser .....	3,276.92	35.03
23 21 13 23-1947	EA		4" Grooved x 3" Flanged Suction Diffuser .....	3,535.38	37.76
23 21 13 23-1948	EA		4" Grooved x 4" Flanged Suction Diffuser .....	4,085.71	37.76

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 21 13 23-1949	EA	5" Grooved x 4" Flanged Suction Diffuser.....	4,563.64	48.45
23 21 13 23-1950	EA	5" Grooved x 5" Flanged Suction Diffuser.....	4,795.57	51.19
23 21 13 23-1951	EA	6" Grooved x 4" Flanged Suction Diffuser.....	4,873.11	56.54
23 21 13 23-1952	EA	6" Grooved x 5" Flanged Suction Diffuser.....	5,820.85	61.99
23 21 13 23-1953	EA	6" Grooved x 6" Flanged Suction Diffuser.....	6,046.32	66.02
23 21 13 23-1954	EA	8" Grooved x 5" Flanged Suction Diffuser.....	6,204.25	68.65
23 21 13 23-1955	EA	8" Grooved x 6" Flanged Suction Diffuser.....	6,548.83	76.72
23 21 13 23-1956	EA	8" Grooved x 8" Flanged Suction Diffuser.....	11,196.86	83.49
23 21 13 23-1957	EA	10" Grooved x 8" Flanged Suction Diffuser.....	12,628.77	90.26
23 21 13 23-1958	EA	10" Grooved x 10" Flanged Suction Diffuser.....	15,194.45	93.58
23 21 13 23-1959	EA	12" Grooved x 10" Flanged Suction Diffuser.....	17,980.48	107.72
23 21 13 23-1960	EA	12" Grooved x 12" Flanged Suction Diffuser.....	24,957.39	114.49
23 21 13 23-1961	EA	14" Grooved x 10" Flanged Suction Diffuser.....	23,239.20	114.49
23 21 13 23-1962	EA	14" Grooved x 12" Flanged Suction Diffuser.....	25,954.28	124.57
23 21 13 23-1963	EA	14" Grooved x 14" Flanged Suction Diffuser.....	31,488.95	131.95
23 21 13 23-1964	EA	16" Grooved x 14" Flanged Suction Diffuser.....	32,418.57	138.71
<b>23 21 13 23-1965 Grooved Steel Valves (23 21 13 23-1440)</b>				
<b>23 21 13 23-1966 Grooved Butterfly Valves With Standard Trim (23 21 13 23-1965)</b>				
23 21 13 23-1967	EA	1-1/2" Butterfly Valve, Grooved, With Standard Trim.....	288.71	11.01
23 21 13 23-1968	EA	2" Butterfly Valve, Grooved, With Standard Trim.....	293.92	14.43
23 21 13 23-1969	EA	3" Butterfly Valve, Grooved, With Standard Trim.....	482.59	21.41
23 21 13 23-1970	EA	4" Butterfly Valve, Grooved, With Standard Trim.....	648.30	28.17
23 21 13 23-1971	EA	6" Butterfly Valve, Grooved, With Standard Trim.....	1,417.26	46.14
23 21 13 23-1972	EA	8" Butterfly Valve, Grooved, With Standard Trim.....	1,963.94	64.91
23 21 13 23-1973	EA	10" Butterfly Valve, Grooved, With Standard Trim.....	2,950.76	87.73
<b>23 21 13 23-1974 Grooved Butterfly Valves With Stainless Steel Trim (23 21 13 23-1965)</b>				
23 21 13 23-1975	EA	1-1/2" Butterfly Valve, Grooved, With Stainless Steel Trim.....	434.53	11.01
23 21 13 23-1976	EA	2" Butterfly Valve, Grooved, With Stainless Steel Trim.....	439.74	14.43
23 21 13 23-1977	EA	3" Butterfly Valve, Grooved, With Stainless Steel Trim.....	680.26	21.41
23 21 13 23-1978	EA	4" Butterfly Valve, Grooved, With Stainless Steel Trim.....	865.42	28.17
23 21 13 23-1979	EA	6" Butterfly Valve, Grooved, With Stainless Steel Trim.....	1,657.06	46.14
23 21 13 23-1980	EA	8" Butterfly Valve, Grooved, With Stainless Steel Trim.....	2,754.64	64.91
23 21 13 23-1981	EA	10" Butterfly Valve, Grooved, With Stainless Steel Trim.....	4,344.20	87.73
<b>23 21 13 23-1982 Grooved Ball Valves With Standard Trim And Handle (23 21 13 23-1965)</b>				
Note: Victaulic No. 721				
23 21 13 23-1983	EA	1-1/2" Ball Valve, Grooved, With Standard Trim.....	243.38	10.80
23 21 13 23-1984	EA	2" Ball Valve, Grooved, With Standard Trim.....	278.56	14.84
23 21 13 23-1985	EA	2-1/2" Ball Valve, Grooved, With Standard Trim.....	637.87	18.17
23 21 13 23-1986	EA	3" Ball Valve, Grooved, With Standard Trim.....	1,047.14	21.51
23 21 13 23-1987	EA	4" Ball Valve, Grooved, With Standard Trim.....	1,631.36	28.27
23 21 13 23-1988	EA	6" Ball Valve, Grooved, With Standard Trim.....	5,077.89	46.44
<b>23 21 13 23-1989 Grooved Ball Valves With Stainless Steel Trim And Handle (23 21 13 23-1965)</b>				
Note: Victaulic No. 721				
23 21 13 23-1990	EA	1-1/2" Ball Valve, Grooved, With Stainless Steel Trim.....	259.35	10.80
23 21 13 23-1991	EA	2" Ball Valve, Grooved, With Stainless Steel Trim.....	444.35	14.84
23 21 13 23-1992	EA	2-1/2" Ball Valve, Grooved, With Stainless Steel Trim.....	1,160.64	18.17
23 21 13 23-1993	EA	3" Ball Valve, Grooved, With Stainless Steel Trim.....	1,501.19	21.51
23 21 13 23-1994	EA	4" Ball Valve, Grooved, With Stainless Steel Trim.....	2,050.95	28.27
23 21 13 23-1995	EA	6" Ball Valve, Grooved, With Stainless Steel Trim.....	5,597.82	46.44
<b>23 21 13 23-1996 Grooved Check Valves (23 21 13 23-1965)</b>				
Note: Victaulic No. 712				
23 21 13 23-1997	EA	2" Check Valve, Grooved.....	369.83	14.84
23 21 13 23-1998	EA	2-1/2" Check Valve, Grooved.....	601.01	18.17
23 21 13 23-1999	EA	3" Check Valve, Grooved.....	700.25	21.51
23 21 13 23-2000	EA	4" Check Valve, Grooved.....	992.87	28.27
<b>23 21 13 23-2001 Grooved Vic-Check Check Valves (23 21 13 23-1965)</b>				
Note: Victaulic No. 716				
23 21 13 23-2002	EA	2-1/2" "Vic-Check" Check Valve, Grooved.....	479.77	18.17
23 21 13 23-2003	EA	3" "Vic-Check" Check Valve, Grooved.....	484.68	21.51
23 21 13 23-2004	EA	4" "Vic-Check" Check Valve, Grooved.....	607.23	28.27
23 21 13 23-2005	EA	6" "Vic-Check" Check Valve, Grooved.....	1,184.95	46.44
23 21 13 23-2006	EA	8" "Vic-Check" Check Valve, Grooved.....	1,621.24	64.61
23 21 13 23-2007	EA	10" "Vic-Check" Check Valve, Grooved.....	4,543.51	87.53
23 21 13 23-2008	EA	12" "Vic-Check" Check Valve, Grooved.....	5,380.69	101.05
<b>23 21 13 23-2009 Grooved Plug Valves With Lever Operator (23 21 13 23-1965)</b>				
Note: Victaulic No. 377				
23 21 13 23-2010	EA	3" Balancing Plug Valve, Grooved, With Lever Handle.....	592.17	21.51
23 21 13 23-2011	EA	4" Balancing Plug Valve, Grooved, With Lever Handle.....	658.56	28.27
23 21 13 23-2012	EA	6" Balancing Plug Valve, Grooved, With Lever Handle.....	1,174.44	46.44

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>23 21 13 23-2013</b>	<b>Grooved Plug Valve With Gear Operator</b> <small>(23 21 13 23-1965)</small>		
	Note: Victaulic No. 377		
23 21 13 23-2014	EA 3" Balancing Plug Valve, Grooved, With Gear Operator.....	1,043.83	21.51
23 21 13 23-2015	EA 4" Balancing Plug Valve, Grooved, With Gear Operator.....	1,110.25	28.27
23 21 13 23-2016	EA 6" Balancing Plug Valve, Grooved, With Gear Operator.....	1,626.14	46.44
23 21 13 23-2017	EA 8" Balancing Plug Valve, Grooved, With Gear Operator.....	2,176.00	64.61
23 21 13 23-2018	EA 10" Balancing Plug Valve, Grooved, With Gear Operator.....	3,410.13	87.53
23 21 13 23-2019	EA 12" Balancing Plug Valve, Grooved, With Gear Operator.....	4,927.64	101.05

**23 21 13 23-2020** **Prepare Pipe For Groove** (23 21 13 23-1440)

**23 21 13 23-2021** **Cut Grooved Pipe** (23 21 13 23-2020)

Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.

23 21 13 23-2022	EA Cut 3/4" Groove Pipe.....	10.57	
23 21 13 23-2023	EA Cut 1" Groove Pipe.....	11.48	
23 21 13 23-2024	EA Cut 1-1/4" Groove Pipe.....	12.96	
23 21 13 23-2025	EA Cut 1-1/2" Groove Pipe.....	14.10	
23 21 13 23-2026	EA Cut 2" Groove Pipe.....	15.46	
23 21 13 23-2027	EA Cut 2-1/2" Groove Pipe.....	16.75	
23 21 13 23-2028	EA Cut 3" Groove Pipe.....	18.27	
23 21 13 23-2029	EA Cut 3-1/2" Groove Pipe.....	19.37	
23 21 13 23-2030	EA Cut 4" Groove Pipe.....	20.61	
23 21 13 23-2031	EA Cut 5" Groove Pipe.....	22.32	
23 21 13 23-2032	EA Cut 6" Groove Pipe.....	22.97	
23 21 13 23-2033	EA Cut 8" Groove Pipe.....	29.77	
23 21 13 23-2034	EA Cut 10" Groove Pipe.....	42.31	
23 21 13 23-2035	EA Cut 12" Groove Pipe.....	53.58	
23 21 13 23-2036	EA Cut 14" Groove Pipe.....	80.38	
23 21 13 23-2037	EA Cut 16" Groove Pipe.....	84.60	
23 21 13 23-2038	EA Cut 18" Groove Pipe.....	89.31	
23 21 13 23-2039	EA Cut 20" Groove Pipe.....	94.56	
23 21 13 23-2040	EA Cut 24" Groove Pipe.....	107.17	

**23 21 13 23-2041** **Roll Grooved Pipe** (23 21 13 23-2020)

Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.

23 21 13 23-2042	EA Roll 3/4" Groove.....	6.05	
23 21 13 23-2043	EA Roll 1" Groove.....	7.05	
23 21 13 23-2044	EA Roll 1-1/4" Groove.....	8.04	
23 21 13 23-2045	EA Roll 1-1/2" Groove.....	9.03	
23 21 13 23-2046	EA Roll 2" Groove.....	13.86	
23 21 13 23-2047	EA Roll 2-1/2" Groove.....	14.61	
23 21 13 23-2048	EA Roll 3" Groove.....	16.07	
23 21 13 23-2049	EA Roll 3-1/2" Groove.....	17.10	
23 21 13 23-2050	EA Roll 4" Groove.....	18.69	
23 21 13 23-2051	EA Roll 5" Groove.....	19.14	
23 21 13 23-2052	EA Roll 6" Groove.....	20.10	
23 21 13 23-2053	EA Roll 8" Groove.....	24.36	
23 21 13 23-2054	EA Roll 10" Groove.....	27.71	
23 21 13 23-2055	EA Roll 12" Groove.....	34.95	
23 21 13 23-2056	EA Roll 14" Groove.....	53.58	
23 21 13 23-2057	EA Roll 16" Groove.....	57.41	
23 21 13 23-2058	EA Roll 18" Groove.....	59.54	
23 21 13 23-2059	EA Roll 20" Groove.....	64.31	
23 21 13 23-2060	EA Roll 24" Groove.....	69.89	

**23 21 13 23-2061** **Standard Gaskets** (23 21 13 23-2020)

Note: For use on replacement of existing gaskets.

23 21 13 23-2062	EA 3/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	37.85	
23 21 13 23-2063	EA 1" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	38.70	
23 21 13 23-2064	EA 1-1/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	40.22	
23 21 13 23-2065	EA 1-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	43.95	
23 21 13 23-2066	EA 2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	44.55	
23 21 13 23-2067	EA 2-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	53.00	
23 21 13 23-2068	EA 3" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	57.90	
23 21 13 23-2069	EA 3-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	72.34	
23 21 13 23-2070	EA 4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	72.83	
23 21 13 23-2071	EA 5" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	92.55	
23 21 13 23-2072	EA 6" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	99.74	
23 21 13 23-2073	EA 8" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	136.39	
23 21 13 23-2074	EA 10" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	172.72	
23 21 13 23-2075	EA 12" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	202.41	
23 21 13 23-2076	EA 14" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	281.44	
23 21 13 23-2077	EA 16" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	381.80	
23 21 13 23-2078	EA 18" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	456.18	
23 21 13 23-2079	EA 20" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	687.70	
23 21 13 23-2080	EA 24" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	948.05	

**23 21 13 23-2081** **Copper Grooved-Joint Pipe Fittings** (23 21 13 23)

Note: Couplings are not included with fittings.

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2082			<b>Grooved Fittings</b> (23 21 13 23-2081)		
23 21 13 23-2083			<b>Grooved 90 Degree Elbows</b> (23 21 13 23-2082)		
23 21 13 23-2084	EA		2" Copper 90 Degree Elbow, Grooved.....	69.54	16.46
23 21 13 23-2085	EA		2-1/2" Copper 90 Degree Elbow, Grooved.....	79.73	20.09
23 21 13 23-2086	EA		3" Copper 90 Degree Elbow, Grooved.....	104.11	24.33
23 21 13 23-2087	EA		4" Copper 90 Degree Elbow, Grooved.....	191.45	32.11
23 21 13 23-2088	EA		5" Copper 90 Degree Elbow, Grooved.....	440.76	40.18
23 21 13 23-2089	EA		6" Copper 90 Degree Elbow, Grooved.....	680.28	52.60
23 21 13 23-2090	EA		8" Copper 90 Degree Elbow, Grooved.....	1,204.85	62.59
23 21 13 23-2091			<b>Grooved 45 Degree Elbows</b> (23 21 13 23-2082)		
23 21 13 23-2092	EA		2" Copper 45 Degree Elbow, Grooved.....	69.54	16.46
23 21 13 23-2093	EA		2-1/2" Copper 45 Degree Elbow, Grooved.....	79.73	20.09
23 21 13 23-2094	EA		3" Copper 45 Degree Elbow, Grooved.....	104.11	24.33
23 21 13 23-2095	EA		4" Copper 45 Degree Elbow, Grooved.....	191.45	32.11
23 21 13 23-2096	EA		5" Copper 45 Degree Elbow, Grooved.....	440.76	40.18
23 21 13 23-2097	EA		6" Copper 45 Degree Elbow, Grooved.....	680.28	52.60
23 21 13 23-2098	EA		8" Copper 45 Degree Elbow, Grooved.....	1,204.85	62.59
23 21 13 23-2099			<b>Grooved Tees</b> (23 21 13 23-2082)		
23 21 13 23-2100	EA		2" Copper Tee, Grooved.....	108.42	24.23
23 21 13 23-2101	EA		2-1/2" Copper Tee, Grooved.....	123.11	29.78
23 21 13 23-2102	EA		3" Copper Tee, Grooved.....	167.67	36.54
23 21 13 23-2103	EA		4" Copper Tee, Grooved.....	301.95	47.25
23 21 13 23-2104	EA		5" Copper Tee, Grooved.....	1,036.27	61.79
23 21 13 23-2105	EA		6" Copper Tee, Grooved.....	871.59	77.33
23 21 13 23-2106	EA		8" Copper Tee, Grooved.....	1,468.00	93.89
23 21 13 23-2107			<b>Grooved Reducing Tees</b> (23 21 13 23-2082)		
23 21 13 23-2108	EA		2-1/2" Copper Tee, Reducing, Grooved.....	154.30	29.78
23 21 13 23-2109	EA		3" Copper Tee, Reducing, Grooved.....	233.91	36.54
23 21 13 23-2110	EA		4" Copper Tee, Reducing, Grooved.....	367.02	47.35
23 21 13 23-2111	EA		5" Copper Tee, Reducing, Grooved.....	955.22	61.89
23 21 13 23-2112	EA		6" Copper Tee, Reducing, Grooved.....	1,169.91	77.33
23 21 13 23-2113			<b>Grooved X Cup Reducing Tees</b> (23 21 13 23-2082)		
23 21 13 23-2114	EA		2" Copper Tee, Reducing, Grooved X Cup.....	125.10	24.23
23 21 13 23-2115	EA		2-1/2" Copper Tee, Reducing, Grooved X Cup.....	154.64	29.78
23 21 13 23-2116	EA		3" Copper Tee, Reducing, Grooved X Cup.....	248.92	36.54
23 21 13 23-2117	EA		4" Copper Tee, Reducing, Grooved X Cup.....	367.02	47.25
23 21 13 23-2118			<b>Grooved Flanged Adapter Nipples</b> (23 21 13 23-2082)		
23 21 13 23-2119	EA		2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	193.50	17.87
23 21 13 23-2120	EA		2-1/2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	207.60	21.71
23 21 13 23-2121	EA		3" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	223.83	25.94
23 21 13 23-2122	EA		4" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	258.42	34.93
23 21 13 23-2123	EA		5" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	338.02	42.30
23 21 13 23-2124	EA		6" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	390.06	57.14
23 21 13 23-2125			<b>Grooved Concentric Reducers</b> (23 21 13 23-2082)		
23 21 13 23-2126	EA		2-1/2" x 2" Copper Concentric Reducer, Grooved.....	89.23	18.37
23 21 13 23-2127	EA		3" x 2" Copper Concentric Reducer, Grooved.....	93.28	20.50
23 21 13 23-2128	EA		3" x 2-1/2" Copper Concentric Reducer, Grooved.....	101.11	24.33
23 21 13 23-2129	EA		4" x 2" Copper Concentric Reducer, Grooved.....	156.09	24.53
23 21 13 23-2130	EA		4" x 2-1/2" Copper Concentric Reducer, Grooved.....	159.63	26.25
23 21 13 23-2131	EA		4" x 3" Copper Concentric Reducer, Grooved.....	163.66	28.27
23 21 13 23-2132	EA		5" x 3" Copper Concentric Reducer, Grooved.....	365.94	32.31
23 21 13 23-2133	EA		5" x 4" Copper Concentric Reducer, Grooved.....	374.01	36.34
23 21 13 23-2134	EA		6" x 3" Copper Concentric Reducer, Grooved.....	402.91	38.37
23 21 13 23-2135	EA		6" x 4" Copper Concentric Reducer, Grooved.....	410.99	42.40
23 21 13 23-2136	EA		6" x 5" Copper Concentric Reducer, Grooved.....	419.07	46.44
23 21 13 23-2137	EA		8" x 6" Copper Concentric Reducer, Grooved.....	687.54	57.54
23 21 13 23-2138			<b>Grooved X Cup Concentric Reducers</b> (23 21 13 23-2082)		
23 21 13 23-2139	EA		2" x 1" Copper Concentric Reducer, Grooved X Cup.....	69.12	12.92
23 21 13 23-2140	EA		2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup.....	70.14	13.42
23 21 13 23-2141	EA		2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup.....	73.22	14.95
23 21 13 23-2142	EA		2-1/2" x 1" Copper Concentric Reducer, Grooved X Cup.....	81.90	14.43
23 21 13 23-2143	EA		2-1/2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup.....	82.90	14.95
23 21 13 23-2144	EA		2-1/2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup.....	85.86	16.46
23 21 13 23-2145	EA		2-1/2" x 2" Copper Concentric Reducer, Grooved X Cup.....	89.90	18.37
23 21 13 23-2146	EA		3" x 1-1/2" Copper Concentric Reducer, Grooved X Cup.....	102.74	18.37
23 21 13 23-2147	EA		3" x 2" Copper Concentric Reducer, Grooved X Cup.....	106.79	20.50
23 21 13 23-2148	EA		4" x 2" Copper Concentric Reducer, Grooved X Cup.....	171.27	24.43

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2149			<b>Grooved Standard Couplings</b> (23 21 13 23-2082)		
23 21 13 23-2150	EA		2" Copper Standard Coupling, Grooved .....	29.10	8.27
23 21 13 23-2151	EA		2-1/2" Copper Standard Coupling, Grooved .....	34.54	10.10
23 21 13 23-2152	EA		3" Copper Standard Coupling, Grooved .....	39.89	12.01
23 21 13 23-2153	EA		4" Copper Standard Coupling, Grooved .....	56.47	16.15
23 21 13 23-2154	EA		5" Copper Standard Coupling, Grooved .....	81.57	20.09
23 21 13 23-2155	EA		6" Copper Standard Coupling, Grooved .....	107.24	26.25
23 21 13 23-2156	EA		8" Copper Standard Coupling, Grooved .....	147.68	31.29
23 21 13 23-2157			<b>Grooved Caps</b> (23 21 13 23-2082)		
23 21 13 23-2158	EA		2" Copper Cap, Grooved .....	41.69	8.27
23 21 13 23-2159	EA		2-1/2" Copper Cap, Grooved .....	57.48	10.10
23 21 13 23-2160	EA		3" Copper Cap, Grooved .....	70.38	12.01
23 21 13 23-2161	EA		4" Copper Cap, Grooved .....	101.72	16.05
23 21 13 23-2162	EA		5" Copper Cap, Grooved .....	163.55	20.09
23 21 13 23-2163	EA		6" Copper Cap, Grooved .....	194.56	26.25
23 21 13 23-2164			<b>Grooved Valves</b> (23 21 13 23-2081)		
23 21 13 23-2165			<b>Grooved Butterfly Valves, Standard Trim, Without Operator</b> (23 21 13 23-2164)		
			Note: Copper body.		
23 21 13 23-2166	EA		2" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body .....	477.21	10.80
			For Chain Wheel, Add .....	43.45	
			For Valve Bracket Insulation, Add .....	38.20	
23 21 13 23-2167	EA		3" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body .....	542.34	16.05
			For Chain Wheel, Add .....	43.45	
			For Valve Bracket Insulation, Add .....	38.20	
23 21 13 23-2168	EA		4" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body .....	716.93	21.10
			For Chain Wheel, Add .....	43.45	
			For Valve Bracket Insulation, Add .....	38.20	
23 21 13 23-2169	EA		6" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body .....	955.91	34.63
			For Chain Wheel, Add .....	43.45	
			For Valve Bracket Insulation, Add .....	38.20	
23 21 13 23-2170	EA		8" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body .....	1,052.59	48.66
			For Chain Wheel, Add .....	43.45	
			For Valve Bracket Insulation, Add .....	38.20	
23 21 13 23-2171			<b>Grooved Butterfly Valves, Standard Trim, With Operator</b> (23 21 13 23-2164)		
			Note: Copper body.		
23 21 13 23-2172	EA		2" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body .....	583.27	10.80
			For Chain Wheel, Add .....	43.45	
			For Valve Bracket Insulation, Add .....	38.20	
23 21 13 23-2173	EA		3" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body .....	648.47	16.05
			For Chain Wheel, Add .....	43.45	
			For Valve Bracket Insulation, Add .....	38.20	
23 21 13 23-2174	EA		4" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body .....	823.06	21.10
			For Chain Wheel, Add .....	43.45	
			For Valve Bracket Insulation, Add .....	38.20	
23 21 13 23-2175	EA		6" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body .....	1,062.11	34.63
			For Chain Wheel, Add .....	43.45	
			For Valve Bracket Insulation, Add .....	38.20	
23 21 13 23-2176	EA		8" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body .....	1,158.72	48.66
			For Chain Wheel, Add .....	43.45	
			For Valve Bracket Insulation, Add .....	38.20	
23 21 13 23-2177			<b>Polyvinyl Chloride (PVC) Pressure Pipe And Fittings</b> (23 21 13 23)		
			Note: Socket or back weld.		
23 21 13 23-2178			<b>Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings</b> (23 21 13 23-2177)		
			Note: ASTM D1785 with D2466 fittings.		
23 21 13 23-2179			<b>Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe</b> (23 21 13 23-2178)		
23 21 13 23-2180	LF		1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe .....	4.68	2.88
			For Work In Restricted Working Space, Add .....	1.30	
23 21 13 23-2181	LF		3/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe .....	5.86	3.61
			For Work In Restricted Working Space, Add .....	1.62	
23 21 13 23-2182	LF		1" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe .....	6.40	3.85
			For Work In Restricted Working Space, Add .....	1.73	
23 21 13 23-2183	LF		1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe .....	7.05	4.14
			For Work In Restricted Working Space, Add .....	1.86	
23 21 13 23-2184	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe .....	7.28	4.21
			For Work In Restricted Working Space, Add .....	1.89	
23 21 13 23-2185	LF		2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe .....	8.87	5.04
			For Work In Restricted Working Space, Add .....	2.27	
23 21 13 23-2186	LF		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe .....	11.05	5.99
			For Work In Restricted Working Space, Add .....	2.69	
23 21 13 23-2187	LF		3" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe .....	13.55	7.24
			For Work In Restricted Working Space, Add .....	3.26	
23 21 13 23-2188	LF		4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe .....	20.18	10.85
			For Work In Restricted Working Space, Add .....	4.89	
23 21 13 23-2189	LF		6" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe .....	28.51	14.47
			For Work In Restricted Working Space, Add .....	6.51	
23 21 13 23-2190	LF		8" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe .....	36.21	17.25
			For Work In Restricted Working Space, Add .....	7.77	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR  
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23 21 13 23-2191	LF	10" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	60.47	19.27
		<i>For Work In Restricted Working Space, Add</i>	8.66	
<b>23 21 13 23-2192</b>		<b>Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows</b> <small>(23 21 13 23-2178)</small>		
23 21 13 23-2193	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	17.12	10.90
		<i>For Work In Restricted Working Space, Add</i>	4.89	
23 21 13 23-2194	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	22.88	14.43
		<i>For Work In Restricted Working Space, Add</i>	6.51	
23 21 13 23-2195	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	29.00	17.97
		<i>For Work In Restricted Working Space, Add</i>	8.08	
23 21 13 23-2196	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	41.92	25.44
		<i>For Work In Restricted Working Space, Add</i>	11.43	
23 21 13 23-2197	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	47.04	28.67
		<i>For Work In Restricted Working Space, Add</i>	12.89	
23 21 13 23-2198	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	60.98	36.44
		<i>For Work In Restricted Working Space, Add</i>	16.37	
23 21 13 23-2199	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	100.24	53.91
		<i>For Work In Restricted Working Space, Add</i>	24.23	
23 21 13 23-2200	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	129.66	70.87
		<i>For Work In Restricted Working Space, Add</i>	31.88	
23 21 13 23-2201	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	167.99	84.20
		<i>For Work In Restricted Working Space, Add</i>	37.86	
23 21 13 23-2202	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	244.30	96.21
		<i>For Work In Restricted Working Space, Add</i>	43.27	
23 21 13 23-2203	EA	8" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	425.92	112.26
		<i>For Work In Restricted Working Space, Add</i>	50.48	
23 21 13 23-2204	EA	10" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	637.00	167.38
		<i>For Work In Restricted Working Space, Add</i>	75.26	
<b>23 21 13 23-2205</b>		<b>Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows</b> <small>(23 21 13 23-2178)</small>		
23 21 13 23-2206	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	17.54	10.90
		<i>For Work In Restricted Working Space, Add</i>	4.89	
23 21 13 23-2207	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	23.71	14.43
		<i>For Work In Restricted Working Space, Add</i>	6.51	
23 21 13 23-2208	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	30.17	17.97
		<i>For Work In Restricted Working Space, Add</i>	8.08	
23 21 13 23-2209	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	42.67	25.44
		<i>For Work In Restricted Working Space, Add</i>	11.43	
23 21 13 23-2210	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	48.70	28.67
		<i>For Work In Restricted Working Space, Add</i>	12.89	
23 21 13 23-2211	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	62.06	36.44
		<i>For Work In Restricted Working Space, Add</i>	16.37	
23 21 13 23-2212	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	100.24	53.91
		<i>For Work In Restricted Working Space, Add</i>	24.23	
23 21 13 23-2213	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	136.66	70.87
		<i>For Work In Restricted Working Space, Add</i>	31.88	
23 21 13 23-2214	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	180.73	84.20
		<i>For Work In Restricted Working Space, Add</i>	37.86	
23 21 13 23-2215	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	245.46	96.21
		<i>For Work In Restricted Working Space, Add</i>	43.27	
23 21 13 23-2216	EA	8" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	411.85	112.26
		<i>For Work In Restricted Working Space, Add</i>	50.48	
23 21 13 23-2217	EA	10" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	637.00	167.38
		<i>For Work In Restricted Working Space, Add</i>	75.26	
<b>23 21 13 23-2218</b>		<b>Schedule 40 Polyvinyl Chloride (PVC) Tees</b> <small>(23 21 13 23-2178)</small>		
23 21 13 23-2219	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees	27.92	17.97
		<i>For Work In Restricted Working Space, Add</i>	8.08	
23 21 13 23-2220	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Tees	33.64	21.71
		<i>For Work In Restricted Working Space, Add</i>	9.77	
23 21 13 23-2221	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Tees	45.04	28.67
		<i>For Work In Restricted Working Space, Add</i>	12.89	
23 21 13 23-2222	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Tees	57.90	36.44
		<i>For Work In Restricted Working Space, Add</i>	16.37	
23 21 13 23-2223	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees	69.21	43.41
		<i>For Work In Restricted Working Space, Add</i>	19.54	
23 21 13 23-2224	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Tees	86.67	53.91
		<i>For Work In Restricted Working Space, Add</i>	24.23	
23 21 13 23-2225	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees	125.92	70.87
		<i>For Work In Restricted Working Space, Add</i>	31.88	
23 21 13 23-2226	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Tees	151.92	84.20
		<i>For Work In Restricted Working Space, Add</i>	37.86	
23 21 13 23-2227	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Tees	214.88	112.26
		<i>For Work In Restricted Working Space, Add</i>	50.48	
23 21 13 23-2228	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Tees	374.29	144.77
		<i>For Work In Restricted Working Space, Add</i>	65.13	
23 21 13 23-2229	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Tees	633.85	179.60
		<i>For Work In Restricted Working Space, Add</i>	80.76	
23 21 13 23-2230	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Tees	1,829.17	268.33
		<i>For Work In Restricted Working Space, Add</i>	120.70	
<b>23 21 13 23-2231</b>		<b>Schedule 40 Polyvinyl Chloride (PVC) Crosses</b> <small>(23 21 13 23-2178)</small>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2232	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	35.22 10.10	22.41
23 21	13 23-2233	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	42.40 12.21	27.16
23 21	13 23-2234	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	56.97 16.11	35.84
23 21	13 23-2235	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	73.44 20.47	45.53
23 21	13 23-2236	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	87.81 24.43	54.31
23 21	13 23-2237	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	110.22 30.29	67.34
23 21	13 23-2238	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	163.64 39.85	88.64
23 21	13 23-2239	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	198.06 47.32	105.19
23 21	13 23-2240	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	283.42 63.10	140.32
23 21	13 23-2241	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	517.66 81.38	180.91
23 21	13 23-2242	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	907.95 100.90	224.32
23 21	13 23-2243	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	2,739.87 150.95	335.57
<b>23 21 13 23-2244 Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts (23 21 13 23-2178)</b>					
23 21	13 23-2245	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	17.64 5.07	11.11
23 21	13 23-2246	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	23.20 6.49	14.23
23 21	13 23-2247	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	30.97 8.67	19.08
23 21	13 23-2248	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	38.18 10.81	23.72
23 21	13 23-2249	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	47.01 13.01	28.57
23 21	13 23-2250	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	65.97 18.04	39.68
23 21	13 23-2251	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	91.86 24.94	54.81
23 21	13 23-2252	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	123.05 31.00	68.15
23 21	13 23-2253	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	169.22 36.06	79.35
23 21	13 23-2254	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	420.81 41.66	91.67
23 21	13 23-2255	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	499.26 55.88	122.96
<b>23 21 13 23-2256 Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts (23 21 13 23-2178)</b>					
23 21	13 23-2257	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	18.04 4.89	10.90
23 21	13 23-2258	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	23.46 6.51	14.43
23 21	13 23-2259	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	29.08 8.08	17.97
23 21	13 23-2260	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	41.42 11.43	25.44
23 21	13 23-2261	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	46.79 12.89	28.67
23 21	13 23-2262	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	59.81 16.37	36.44
23 21	13 23-2263	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	88.34 24.23	53.91
23 21	13 23-2264	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	115.01 31.88	70.87
23 21	13 23-2265	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	145.93 37.86	84.20
<b>23 21 13 23-2266 Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters (23 21 13 23-2178)</b>					
23 21	13 23-2267	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	18.62 4.89	10.90
23 21	13 23-2268	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	24.04 6.51	14.43
23 21	13 23-2269	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	30.25 8.08	17.97
23 21	13 23-2270	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	42.09 11.43	25.44
23 21	13 23-2271	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	48.29 12.89	28.67
23 21	13 23-2272	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	61.15 16.37	36.44

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
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23 21 13 23-2273	EA	2-1/2"	Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	89.83	53.91
			<i>For Work In Restricted Working Space, Add</i>	24.23	
23 21 13 23-2274	EA	3"	Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	119.59	70.87
			<i>For Work In Restricted Working Space, Add</i>	31.88	
23 21 13 23-2275	EA	4"	Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	143.27	84.20
			<i>For Work In Restricted Working Space, Add</i>	37.86	
<b>23 21 13 23-2276 Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters</b> <small>(23 21 13 23-2178)</small>					
23 21 13 23-2277	EA	1/2"	Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	17.12	10.90
			<i>For Work In Restricted Working Space, Add</i>	4.89	
23 21 13 23-2278	EA	3/4"	Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	22.79	14.43
			<i>For Work In Restricted Working Space, Add</i>	6.51	
23 21 13 23-2279	EA	1"	Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	28.17	17.97
			<i>For Work In Restricted Working Space, Add</i>	8.08	
23 21 13 23-2280	EA	1-1/4"	Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	40.09	25.44
			<i>For Work In Restricted Working Space, Add</i>	11.43	
23 21 13 23-2281	EA	1-1/2"	Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	45.29	28.67
			<i>For Work In Restricted Working Space, Add</i>	12.89	
23 21 13 23-2282	EA	2"	Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	57.73	36.44
			<i>For Work In Restricted Working Space, Add</i>	16.37	
23 21 13 23-2283	EA	2-1/2"	Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	94.49	53.91
			<i>For Work In Restricted Working Space, Add</i>	24.23	
23 21 13 23-2284	EA	3"	Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	124.75	70.87
			<i>For Work In Restricted Working Space, Add</i>	31.88	
23 21 13 23-2285	EA	4"	Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	156.75	84.20
			<i>For Work In Restricted Working Space, Add</i>	37.86	
<b>23 21 13 23-2286 Schedule 40 Polyvinyl Chloride (PVC) P-Traps</b> <small>(23 21 13 23-2178)</small>					
23 21 13 23-2287	EA	3/4"	Schedule 40 Polyvinyl Chloride (PVC) P-Traps.....	28.29	14.84
			<i>For Work In Restricted Working Space, Add</i>	6.66	
<b>23 21 13 23-2288 Schedule 40 Polyvinyl Chloride (PVC) Couplings</b> <small>(23 21 13 23-2178)</small>					
23 21 13 23-2289	EA	1/2"	Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	16.79	10.90
			<i>For Work In Restricted Working Space, Add</i>	4.89	
23 21 13 23-2290	EA	3/4"	Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	22.38	14.43
			<i>For Work In Restricted Working Space, Add</i>	6.51	
23 21 13 23-2291	EA	1"	Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	28.17	17.97
			<i>For Work In Restricted Working Space, Add</i>	8.08	
23 21 13 23-2292	EA	1-1/4"	Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	39.76	25.44
			<i>For Work In Restricted Working Space, Add</i>	11.43	
23 21 13 23-2293	EA	1-1/2"	Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	44.79	28.67
			<i>For Work In Restricted Working Space, Add</i>	12.89	
23 21 13 23-2294	EA	2"	Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	57.40	36.44
			<i>For Work In Restricted Working Space, Add</i>	16.37	
23 21 13 23-2295	EA	2-1/2"	Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	87.09	53.91
			<i>For Work In Restricted Working Space, Add</i>	24.23	
23 21 13 23-2296	EA	3"	Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	116.18	70.87
			<i>For Work In Restricted Working Space, Add</i>	31.88	
23 21 13 23-2297	EA	4"	Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	140.60	84.20
			<i>For Work In Restricted Working Space, Add</i>	37.86	
23 21 13 23-2298	EA	6"	Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	189.85	96.21
			<i>For Work In Restricted Working Space, Add</i>	43.27	
23 21 13 23-2299	EA	8"	Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	253.51	112.26
			<i>For Work In Restricted Working Space, Add</i>	50.48	
23 21 13 23-2300	EA	10"	Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	571.62	120.34
			<i>For Work In Restricted Working Space, Add</i>	54.11	
<b>23 21 13 23-2301 Schedule 40 Polyvinyl Chloride (PVC) Unions</b> <small>(23 21 13 23-2178)</small>					
23 21 13 23-2302	EA	1/2"	Schedule 40 Polyvinyl Chloride (PVC) Unions.....	32.31	17.97
			<i>For Work In Restricted Working Space, Add</i>	8.08	
23 21 13 23-2303	EA	3/4"	Schedule 40 Polyvinyl Chloride (PVC) Unions.....	46.63	21.71
			<i>For Work In Restricted Working Space, Add</i>	9.77	
23 21 13 23-2304	EA	1"	Schedule 40 Polyvinyl Chloride (PVC) Unions.....	58.69	28.67
			<i>For Work In Restricted Working Space, Add</i>	12.89	
23 21 13 23-2305	EA	1-1/4"	Schedule 40 Polyvinyl Chloride (PVC) Unions.....	92.87	36.44
			<i>For Work In Restricted Working Space, Add</i>	16.37	
23 21 13 23-2306	EA	1-1/2"	Schedule 40 Polyvinyl Chloride (PVC) Unions.....	105.09	43.41
			<i>For Work In Restricted Working Space, Add</i>	19.54	
23 21 13 23-2307	EA	2"	Schedule 40 Polyvinyl Chloride (PVC) Unions.....	134.62	53.91
			<i>For Work In Restricted Working Space, Add</i>	24.23	
23 21 13 23-2308	EA	2-1/2"	Schedule 40 Polyvinyl Chloride (PVC) Unions.....	204.01	70.87
			<i>For Work In Restricted Working Space, Add</i>	31.88	
23 21 13 23-2309	EA	3"	Schedule 40 Polyvinyl Chloride (PVC) Unions.....	229.76	84.20
			<i>For Work In Restricted Working Space, Add</i>	37.86	
23 21 13 23-2310	EA	4"	Schedule 40 Polyvinyl Chloride (PVC) Unions.....	373.63	112.26
			<i>For Work In Restricted Working Space, Add</i>	50.48	
23 21 13 23-2311	EA	6"	Schedule 40 Polyvinyl Chloride (PVC) Unions.....	492.32	144.77
			<i>For Work In Restricted Working Space, Add</i>	65.11	
23 21 13 23-2312	EA	8"	Schedule 40 Polyvinyl Chloride (PVC) Unions.....	723.27	179.50
			<i>For Work In Restricted Working Space, Add</i>	80.72	
23 21 13 23-2313	EA	10"	Schedule 40 Polyvinyl Chloride (PVC) Unions.....	1,082.76	222.80
			<i>For Work In Restricted Working Space, Add</i>	100.23	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 21 13 23-2314 Schedule 40 Polyvinyl Chloride (PVC) Caps <small>(23 21 13 23-2178)</small>					
23 21 13 23-2315	EA		1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps	8.09	4.91
			<i>For Work In Restricted Working Space, Add</i>	2.23	
23 21 13 23-2316	EA		3/4" Schedule 40 Polyvinyl Chloride (PVC) Caps	10.61	6.46
			<i>For Work In Restricted Working Space, Add</i>	2.93	
23 21 13 23-2317	EA		1" Schedule 40 Polyvinyl Chloride (PVC) Caps	13.44	7.97
			<i>For Work In Restricted Working Space, Add</i>	3.63	
23 21 13 23-2318	EA		1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Caps	19.20	11.46
			<i>For Work In Restricted Working Space, Add</i>	5.21	
23 21 13 23-2319	EA		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps	21.33	12.72
			<i>For Work In Restricted Working Space, Add</i>	5.80	
23 21 13 23-2320	EA		2" Schedule 40 Polyvinyl Chloride (PVC) Caps	26.96	16.26
			<i>For Work In Restricted Working Space, Add</i>	7.37	
23 21 13 23-2321	EA		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps	44.25	24.03
			<i>For Work In Restricted Working Space, Add</i>	10.90	
23 21 13 23-2322	EA		3" Schedule 40 Polyvinyl Chloride (PVC) Caps	56.39	31.59
			<i>For Work In Restricted Working Space, Add</i>	14.35	
23 21 13 23-2323	EA		4" Schedule 40 Polyvinyl Chloride (PVC) Caps	76.44	37.45
			<i>For Work In Restricted Working Space, Add</i>	17.04	
23 21 13 23-2324	EA		6" Schedule 40 Polyvinyl Chloride (PVC) Caps	111.94	42.80
			<i>For Work In Restricted Working Space, Add</i>	19.47	
23 21 13 23-2325	EA		8" Schedule 40 Polyvinyl Chloride (PVC) Caps	233.06	49.98
			<i>For Work In Restricted Working Space, Add</i>	22.72	
23 21 13 23-2326	EA		10" Schedule 40 Polyvinyl Chloride (PVC) Caps	695.07	74.51
			<i>For Work In Restricted Working Space, Add</i>	33.87	

23 21 13 23-2327 Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <small>(23 21 13 23-2178)</small>					
23 21 13 23-2328	EA		1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Socket Weld Flanges	43.65	17.97
			<i>For Work In Restricted Working Space, Add</i>	8.08	
23 21 13 23-2329	EA		3/4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges	58.20	21.71
			<i>For Work In Restricted Working Space, Add</i>	9.77	
23 21 13 23-2330	EA		1" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges	71.51	28.67
			<i>For Work In Restricted Working Space, Add</i>	12.89	
23 21 13 23-2331	EA		1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges	83.96	36.44
			<i>For Work In Restricted Working Space, Add</i>	16.37	
23 21 13 23-2332	EA		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges	95.18	43.41
			<i>For Work In Restricted Working Space, Add</i>	19.54	
23 21 13 23-2333	EA		2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges	120.72	53.91
			<i>For Work In Restricted Working Space, Add</i>	24.23	
23 21 13 23-2334	EA		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges	167.96	70.87
			<i>For Work In Restricted Working Space, Add</i>	31.88	
23 21 13 23-2335	EA		3" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges	194.30	84.20
			<i>For Work In Restricted Working Space, Add</i>	37.86	
23 21 13 23-2336	EA		4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges	254.51	112.26
			<i>For Work In Restricted Working Space, Add</i>	50.48	
23 21 13 23-2337	EA		6" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges	352.63	144.77
			<i>For Work In Restricted Working Space, Add</i>	65.11	
23 21 13 23-2338	EA		8" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges	575.01	179.50
			<i>For Work In Restricted Working Space, Add</i>	80.72	
23 21 13 23-2339	EA		10" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges	1,023.13	222.50
			<i>For Work In Restricted Working Space, Add</i>	100.07	

23 21 13 23-2340 Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings (23 21 13 23-2177)  
 Note: ASTM D1785 with D2467 fittings.

23 21 13 23-2341 Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <small>(23 21 13 23-2340)</small>					
23 21 13 23-2342	LF		1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	4.78	2.92
			<i>For Work In Restricted Working Space, Add</i>	1.30	
23 21 13 23-2343	LF		3/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	5.98	3.64
			<i>For Work In Restricted Working Space, Add</i>	1.62	
23 21 13 23-2344	LF		1" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	7.33	4.34
			<i>For Work In Restricted Working Space, Add</i>	1.95	
23 21 13 23-2345	LF		1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	8.73	5.05
			<i>For Work In Restricted Working Space, Add</i>	2.28	
23 21 13 23-2346	LF		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	10.03	5.75
			<i>For Work In Restricted Working Space, Add</i>	2.60	
23 21 13 23-2347	LF		2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	12.83	7.27
			<i>For Work In Restricted Working Space, Add</i>	3.26	
23 21 13 23-2348	LF		2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	14.89	7.97
			<i>For Work In Restricted Working Space, Add</i>	3.58	
23 21 13 23-2349	LF		3" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	16.95	8.69
			<i>For Work In Restricted Working Space, Add</i>	3.91	
23 21 13 23-2350	LF		4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	22.05	10.90
			<i>For Work In Restricted Working Space, Add</i>	4.89	
23 21 13 23-2351	LF		6" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	32.65	14.43
			<i>For Work In Restricted Working Space, Add</i>	6.51	
23 21 13 23-2352	LF		8" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	42.56	17.26
			<i>For Work In Restricted Working Space, Add</i>	7.77	
23 21 13 23-2353	LF		10" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	79.23	18.57
			<i>For Work In Restricted Working Space, Add</i>	8.36	

23 21 13 23-2354 Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows (23 21 13 23-2340)

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 20 HVAC Piping and Pumps**

**23 21 Hydronic Piping and Pumps**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 21 13 23-2355	EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	19.29 4.89 2.44	10.90
23 21 13 23-2356	EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	25.62 6.51 3.26	14.43
23 21 13 23-2357	EA 1" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	33.25 8.08 4.04	17.97
23 21 13 23-2358	EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	46.50 11.43 5.71	25.44
23 21 13 23-2359	EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	51.95 12.89 6.44	28.67
23 21 13 23-2360	EA 2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	65.48 16.37 8.19	36.44
23 21 13 23-2361	EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	106.32 24.23 12.11	53.91
23 21 13 23-2362	EA 3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	134.99 31.88 15.94	70.87
23 21 13 23-2363	EA 4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	169.82 37.86 18.93	84.20
23 21 13 23-2364	EA 6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	301.82 43.27 21.63	96.21
23 21 13 23-2365	EA 8" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	510.84 50.48 25.24	112.26
23 21 13 23-2366	EA 10" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	637.00 75.26 37.63	167.38
<b>23 21 13 23-2367 Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows (23 21 13 23-2340)</b>			
23 21 13 23-2368	EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	22.03 4.89 2.44	10.90
23 21 13 23-2369	EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	30.45 6.51 3.26	14.43
23 21 13 23-2370	EA 1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	40.07 8.08 4.04	17.97
23 21 13 23-2371	EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	54.91 11.43 5.71	25.44
23 21 13 23-2372	EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	62.77 12.89 6.44	28.67
23 21 13 23-2373	EA 2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	80.30 16.37 8.19	36.44
23 21 13 23-2374	EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	134.88 24.23 12.11	53.91
23 21 13 23-2375	EA 3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	172.13 31.88 15.94	70.87
23 21 13 23-2376	EA 4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	244.84 37.86 18.93	84.20
23 21 13 23-2377	EA 6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	293.59 43.27 21.63	96.21
23 21 13 23-2378	EA 8" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	492.13 50.48 25.24	112.26
23 21 13 23-2379	EA 10" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	615.96 75.26 37.63	167.38
<b>23 21 13 23-2380 Schedule 80 Polyvinyl Chloride (PVC) Tees (23 21 13 23-2340)</b>			
23 21 13 23-2381	EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	34.14 7.67 3.83	17.06
23 21 13 23-2382	EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	41.55 9.77 4.88	21.71
23 21 13 23-2383	EA 1" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	54.20 12.89 6.44	28.67

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2384	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	85.63 16.37 8.19	36.44
23 21	13 23-2385	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	96.19 19.54 9.77	43.41
23 21	13 23-2386	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	119.64 24.23 12.11	53.91
23 21	13 23-2387	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	148.56 31.88 15.94	70.87
23 21	13 23-2388	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	178.98 37.86 18.93	84.20
23 21	13 23-2389	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	229.45 50.48 25.24	112.26
23 21	13 23-2390	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	426.17 65.13 32.57	144.77
23 21	13 23-2391	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	754.10 80.76 40.38	179.60
23 21	13 23-2392	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	1,829.27 120.70 60.35	268.33
<b>23 21 13 23-2393 Schedule 80 Polyvinyl Chloride (PVC) Crosses (23 21 13 23-2340)</b>					
23 21	13 23-2394	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	45.39 9.59 4.79	21.30
23 21	13 23-2395	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	54.79 12.21 6.11	27.16
23 21	13 23-2396	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	71.32 16.11 8.06	35.84
23 21	13 23-2397	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	116.90 20.47 10.23	45.53
23 21	13 23-2398	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	130.10 24.43 12.21	54.31
23 21	13 23-2399	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	161.90 30.29 15.14	67.34
23 21	13 23-2400	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	199.15 39.85 19.93	88.64
23 21	13 23-2401	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	240.49 47.32 23.66	105.19
23 21	13 23-2402	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	306.26 63.10 31.55	140.32
23 21	13 23-2403	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	598.99 81.38 40.69	180.91
23 21	13 23-2404	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	1,096.45 100.90 50.45	224.32
23 21	13 23-2405	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	2,740.02 150.95 75.47	335.57
<b>23 21 13 23-2406 Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts (23 21 13 23-2340)</b>					
23 21	13 23-2407	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	23.46 6.51	14.43
23 21	13 23-2408	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	32.00 8.08	17.97
23 21	13 23-2409	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	46.08 11.43	25.44
23 21	13 23-2410	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	53.86 12.89	28.67
23 21	13 23-2411	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	70.14 16.37	36.44
23 21	13 23-2412	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	107.73 24.23	53.91
23 21	13 23-2413	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	149.14 31.88	70.87
23 21	13 23-2414	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	185.64 37.86	84.20
23 21	13 23-2415	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	210.16 43.27	96.21
23 21	13 23-2416	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	314.61 50.48	112.26

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 20 HVAC Piping and Pumps**

**23 21 Hydronic Piping and Pumps**



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
23 21 13 23-2417	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	508.48 58.64		130.33
<b>23 21 13 23-2418 Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <small>(23 21 13 23-2340)</small></b>					
23 21 13 23-2419	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	16.87 4.89		10.90
23 21 13 23-2420	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	24.96 6.51		14.43
23 21 13 23-2421	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	32.00 8.08		17.97
23 21 13 23-2422	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	48.41 11.43		25.44
23 21 13 23-2423	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	55.95 12.89		28.67
23 21 13 23-2424	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	70.47 16.37		36.44
23 21 13 23-2425	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	114.39 24.23		53.91
23 21 13 23-2426	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	168.54 31.88		70.87
23 21 13 23-2427	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	221.94 37.86		84.20
<b>23 21 13 23-2428 Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <small>(23 21 13 23-2340)</small></b>					
23 21 13 23-2429	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	23.37 4.89		10.90
23 21 13 23-2430	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	29.53 6.51		14.43
23 21 13 23-2431	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	40.57 8.08		17.97
23 21 13 23-2432	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	54.07 11.43		25.44
23 21 13 23-2433	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	65.94 12.89		28.67
23 21 13 23-2434	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	84.54 16.37		36.44
23 21 13 23-2435	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	114.89 24.23		53.91
23 21 13 23-2436	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	144.15 31.88		70.87
23 21 13 23-2437	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	193.55 37.86		84.20
<b>23 21 13 23-2438 Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <small>(23 21 13 23-2340)</small></b>					
23 21 13 23-2439	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	21.45 4.89		10.90
23 21 13 23-2440	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	29.37 6.51		14.43
23 21 13 23-2441	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	38.24 8.08		17.97
23 21 13 23-2442	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	56.49 11.43		25.44
23 21 13 23-2443	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	65.52 12.89		28.67
23 21 13 23-2444	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	93.86 16.37		36.44
23 21 13 23-2445	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	142.86 24.23		53.91
23 21 13 23-2446	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	176.20 31.88		70.87
23 21 13 23-2447	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	246.41 37.86		84.20
<b>23 21 13 23-2448 Schedule 80 Polyvinyl Chloride (PVC) Couplings <small>(23 21 13 23-2340)</small></b>					
23 21 13 23-2449	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	21.78 4.89 2.44		10.90
23 21 13 23-2450	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	29.12 6.51 3.26		14.43
23 21 13 23-2451	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	34.58 8.08 4.04		17.97
23 21 13 23-2452	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	49.83 11.43 5.71		25.44
23 21 13 23-2453	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	55.61 12.89 6.44		28.67

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2454	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	68.06 16.37 8.19	36.44
23 21	13 23-2455	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	114.14 24.23 12.11	53.91
23 21	13 23-2456	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	144.65 31.88 15.94	70.87
23 21	13 23-2457	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	174.32 37.86 18.93	84.20
23 21	13 23-2458	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	247.71 43.27 21.63	96.21
23 21	13 23-2459	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	309.12 50.48 25.24	112.26
23 21	13 23-2460	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	596.59 54.11 27.05	120.34
<b>23 21 13 23-2461 Schedule 80 Polyvinyl Chloride (PVC) Unions (23 21 13 23-2340)</b>					
23 21	13 23-2462	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions ..... <i>For Work In Restricted Working Space, Add</i>	39.24 8.08	17.97
23 21	13 23-2463	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Unions ..... <i>For Work In Restricted Working Space, Add</i>	46.80 9.77	21.71
23 21	13 23-2464	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Unions ..... <i>For Work In Restricted Working Space, Add</i>	59.19 12.89	28.67
23 21	13 23-2465	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Unions ..... <i>For Work In Restricted Working Space, Add</i>	95.20 16.37	36.44
23 21	13 23-2466	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions ..... <i>For Work In Restricted Working Space, Add</i>	117.41 19.54	43.41
23 21	13 23-2467	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Unions ..... <i>For Work In Restricted Working Space, Add</i>	151.61 24.23	53.91
23 21	13 23-2468	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions ..... <i>For Work In Restricted Working Space, Add</i>	238.18 31.88	70.87
23 21	13 23-2469	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Unions ..... <i>For Work In Restricted Working Space, Add</i>	296.23 37.86	84.20
23 21	13 23-2470	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Unions ..... <i>For Work In Restricted Working Space, Add</i>	374.13 50.48	112.26
23 21	13 23-2471	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Unions ..... <i>For Work In Restricted Working Space, Add</i>	492.32 65.11	144.77
23 21	13 23-2472	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Unions ..... <i>For Work In Restricted Working Space, Add</i>	723.27 80.72	179.50
23 21	13 23-2473	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Unions ..... <i>For Work In Restricted Working Space, Add</i>	1,082.23 100.07	222.50
<b>23 21 13 23-2474 Schedule 80 Polyvinyl Chloride (PVC) Threaded Unions (23 21 13 23-2340)</b>					
23 21	13 23-2475	EA	1/2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	39.69	22.43
23 21	13 23-2476	EA	3/4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	47.31	25.94
23 21	13 23-2477	EA	1", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	57.23	30.59
23 21	13 23-2478	EA	1-1/4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	76.14	36.44
23 21	13 23-2479	EA	1-1/2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	91.72	43.41
23 21	13 23-2480	EA	2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	121.37	53.91
23 21	13 23-2481	EA	3", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	259.54	104.49
23 21	13 23-2482	EA	4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	281.66	115.90
<b>23 21 13 23-2483 Schedule 80 Polyvinyl Chloride (PVC) Caps (23 21 13 23-2340)</b>					
23 21	13 23-2484	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	15.07 2.20 1.10	4.85
23 21	13 23-2485	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	17.94 2.93 1.47	6.46
23 21	13 23-2486	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	26.59 3.63 1.82	7.97
23 21	13 23-2487	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Caps..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	34.62 5.14 2.57	11.31
23 21	13 23-2488	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	36.81 5.80 2.90	12.72
23 21	13 23-2489	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	50.77 7.37 3.68	16.26
23 21	13 23-2490	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	90.20 10.90 5.45	24.03
23 21	13 23-2491	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	113.67 14.35 7.17	31.59

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 21 13 23-2492	EA 4" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	162.69 17.04 8.52	37.45
23 21 13 23-2493	EA 6" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	327.97 19.47 9.74	42.80
23 21 13 23-2494	EA 8" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	437.11 22.72 11.36	49.98
23 21 13 23-2495	EA 10" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	778.32 33.87 16.93	74.51
<b>23 21 13 23-2496</b>	<b>Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges</b> <small>(23 21 13 23-2340)</small>		
23 21 13 23-2497	EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	50.81 8.08 4.04	17.97
23 21 13 23-2498	EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	58.20 9.77 4.88	21.71
23 21 13 23-2499	EA 1" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	71.52 12.89 6.44	28.67
23 21 13 23-2500	EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	83.96 16.37 8.19	36.44
23 21 13 23-2501	EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	95.18 19.54 9.77	43.41
23 21 13 23-2502	EA 2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	120.72 24.23 12.11	53.91
23 21 13 23-2503	EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	167.96 31.88 15.94	70.87
23 21 13 23-2504	EA 3" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	194.30 37.86 18.93	84.20
23 21 13 23-2505	EA 4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	254.51 50.48 25.24	112.26
23 21 13 23-2506	EA 6" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	352.64 65.11 32.55	144.77
23 21 13 23-2507	EA 8" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	575.01 80.72 40.36	179.50
23 21 13 23-2508	EA 10" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	1,023.13 100.07 50.04	222.50
<b>23 21 13 23-2509</b>	<b>Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe</b> <small>(23 21 13 23-2177)</small>		
	Note: In place pipe.		
23 21 13 23-2510	EA 1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	5.48 1.64	
23 21 13 23-2511	EA 3/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	5.92 1.78	
23 21 13 23-2512	EA 1", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	6.66 2.00	
23 21 13 23-2513	EA 1-1/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	6.99 2.10	
23 21 13 23-2514	EA 1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	7.40 2.22	
23 21 13 23-2515	EA 2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	8.14 2.44	
23 21 13 23-2516	EA 2-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	8.77 2.63	
23 21 13 23-2517	EA 3", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	10.35 3.11	
23 21 13 23-2518	EA 4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	13.98 4.19	
23 21 13 23-2519	EA 6", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	19.97 5.99	
23 21 13 23-2520	EA 8", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	26.64 7.99	
23 21 13 23-2521	EA 10", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	32.57 9.77	
<b>23 21 13 23-2522</b>	<b>Polyvinylidene Fluoride (PVDF), Socket Weld</b> <small>(23 21 13 23)</small>		
<b>23 21 13 23-2523</b>	<b>Pipe</b> <small>(23 21 13 23-2522)</small>		
23 21 13 23-2524	LF 1/2" Pipe Schedule 40 Polyvinylidene Fluoride (PVDF) Socket Weld	25.32	2.92
23 21 13 23-2525	LF 3/4" Pipe Schedule 40 Polyvinylidene Fluoride (PVDF) Socket Weld	33.76	3.64
23 21 13 23-2526	LF 1" Pipe Schedule 40 Polyvinylidene Fluoride (PVDF) Socket Weld	47.07	3.84
23 21 13 23-2527	LF 1-1/2" Schedule 40 Polyvinylidene Fluoride (PVDF) Socket Weld	65.31	4.24
23 21 13 23-2528	LF 2" Pipe Schedule 40 Polyvinylidene Fluoride (PVDF) Socket Weld	82.61	5.05

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>23 21 13 23-2529</b>			<b>90 Degree Elbows</b> <small>(23 21 13 23-2522)</small>		
23 21 13 23-2530	EA		1/2" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld .....	37.82	10.80
23 21 13 23-2531	EA		3/4" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld .....	50.48	14.43
23 21 13 23-2532	EA		1" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld .....	81.75	17.97
23 21 13 23-2533	EA		1-1/2" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld .....	141.15	28.67
23 21 13 23-2534	EA		2" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld .....	183.75	36.44
<b>23 21 13 23-2535</b>			<b>45 Degree Elbows</b> <small>(23 21 13 23-2522)</small>		
23 21 13 23-2536	EA		1/2" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld .....	43.25	10.90
23 21 13 23-2537	EA		3/4" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld .....	58.13	14.43
23 21 13 23-2538	EA		1" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld .....	81.75	17.97
23 21 13 23-2539	EA		1-1/2" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld .....	122.84	28.67
23 21 13 23-2540	EA		2" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld .....	178.92	36.44
<b>23 21 13 23-2541</b>			<b>Tees</b> <small>(23 21 13 23-2522)</small>		
23 21 13 23-2542	EA		1/2" Tee, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld .....	69.58	17.97
23 21 13 23-2543	EA		3/4" Tee, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld .....	77.83	21.71
23 21 13 23-2544	EA		1" Tee, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld .....	111.98	28.67
23 21 13 23-2545	EA		1-1/2" Tee, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld .....	183.24	43.41
23 21 13 23-2546	EA		2" Tee, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld .....	266.68	53.91
<b>23 21 13 23-2547</b>			<b>Reducing Tees</b> <small>(23 21 13 23-2522)</small>		
23 21 13 23-2548	EA		3/4" x 1/2" Reducing Tees, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld .....	79.18	20.19
23 21 13 23-2549	EA		1" x 1/2" Reducing Insert, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld .....	109.57	23.52
23 21 13 23-2550	EA		1" x 3/4" Reducing Insert, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld .....	112.61	25.54
23 21 13 23-2551	EA		1-1/2" x 1" Reducing Tees, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld .....	191.35	36.34
23 21 13 23-2552	EA		2" x 1-1/2" Reducing Tees, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld .....	284.97	48.45
<b>23 21 13 23-2553</b>			<b>Socket Weld Reducing Couplings</b> <small>(23 21 13 23-2522)</small>		
23 21 13 23-2554	EA		3/4" x 1/2" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld .....	43.12	12.82
23 21 13 23-2555	EA		1" x 1/2" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld .....	54.81	14.84
23 21 13 23-2556	EA		1" x 3/4" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld .....	60.45	16.86
23 21 13 23-2557	EA		1-1/2" x 1/2" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld .....	90.65	20.19
23 21 13 23-2558	EA		1-1/2" x 3/4" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld .....	97.11	22.21
23 21 13 23-2559	EA		1-1/2" x 1" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld .....	99.12	23.52
23 21 13 23-2560	EA		2" x 1-1/2" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld .....	139.62	33.02
<b>23 21 13 23-2561</b>			<b>Male Adapters, Socket Weld X Male Thread</b> <small>(23 21 13 23-2522)</small>		
23 21 13 23-2562	EA		1/2" Male Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld .....	58.95	10.90
23 21 13 23-2563	EA		3/4" Male Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld .....	75.44	14.43
23 21 13 23-2564	EA		1" Male Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld .....	87.29	17.97
23 21 13 23-2565	EA		1-1/2" Male Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld .....	113.79	28.67
23 21 13 23-2566	EA		2" Male Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld .....	153.72	36.34
<b>23 21 13 23-2567</b>			<b>Female Adapters, Socket Weld X Female Thread</b> <small>(23 21 13 23-2522)</small>		
23 21 13 23-2568	EA		1/2" Female Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld .....	58.95	10.90
23 21 13 23-2569	EA		3/4" Female Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld .....	75.64	14.43
23 21 13 23-2570	EA		1" Female Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld .....	87.29	17.97
23 21 13 23-2571	EA		1-1/2" Female Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld .....	113.79	28.67
23 21 13 23-2572	EA		2" Female Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld .....	153.77	36.44
<b>23 21 13 23-2573</b>			<b>Socket Weld Couplings</b> <small>(23 21 13 23-2522)</small>		
23 21 13 23-2574	EA		1/2" Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld .....	31.38	10.90
23 21 13 23-2575	EA		3/4" Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld .....	40.42	14.43
23 21 13 23-2576	EA		1" Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld .....	52.07	17.97
23 21 13 23-2577	EA		1-1/2" Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld .....	95.28	28.67
23 21 13 23-2578	EA		2" Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld .....	130.03	36.44
<b>23 21 13 23-2579</b>			<b>Socket Weld Unions</b> <small>(23 21 13 23-2522)</small>		
23 21 13 23-2580	EA		1/2" Union, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld .....	120.49	17.97
23 21 13 23-2581	EA		3/4" Union, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld .....	144.44	21.71
23 21 13 23-2582	EA		1" Union, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld .....	207.35	28.67
23 21 13 23-2583	EA		1-1/2" Union, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld .....	361.93	43.41
23 21 13 23-2584	EA		2" Union, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld .....	445.97	53.91
<b>23 21 13 23-2585</b>			<b>Caps</b> <small>(23 21 13 23-2522)</small>		
23 21 13 23-2586	EA		1/2" Cap, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld .....	23.07	5.42
23 21 13 23-2587	EA		3/4" Cap, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld .....	32.48	7.23
23 21 13 23-2588	EA		1" Cap, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld .....	40.79	8.95
23 21 13 23-2589	EA		1-1/2" Cap, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld .....	71.79	14.30
23 21 13 23-2590	EA		2" Cap, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld .....	101.31	18.15

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 21 13 23-2591		<b>150 LB Socket Weld Flanges</b> (23 21 13 23-2522)		
23 21 13 23-2592	EA	1/2" Flange, 150 LB Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	83.46	18.17
23 21 13 23-2593	EA	3/4" Flange, 150 LB Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	105.00	21.51
23 21 13 23-2594	EA	1" Flange, 150 LB Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	138.34	28.97
23 21 13 23-2595	EA	1-1/2" Flange, 150 LB Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	199.95	43.82
23 21 13 23-2596	EA	2" Flange, 150 LB Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	312.16	53.91
23 21 13 23-2597		<b>Polyethylene Pipe And Fittings</b> (23 21 13 23)		
23 21 13 23-2598		<b>Small Diameter Tubing</b> (23 21 13 23-2597)		
23 21 13 23-2599		<b>Tubing</b> (23 21 13 23-2598)		
23 21 13 23-2600	LF	1/4" Polyethylene Tubing.....	3.22	
		<i>For Work In Restricted Working Space, Add</i>	0.91	
23 21 13 23-2601	LF	5/16" Polyethylene Tubing.....	3.43	
		<i>For Work In Restricted Working Space, Add</i>	0.93	
23 21 13 23-2602	LF	3/8" Polyethylene Tubing.....	3.60	
		<i>For Work In Restricted Working Space, Add</i>	0.95	
23 21 13 23-2603	LF	1/2" Polyethylene Tubing.....	3.75	
		<i>For Work In Restricted Working Space, Add</i>	1.03	
23 21 13 23-2604		<b>Chrome Plated Pipe</b> (23 21 13 23)		
23 21 13 23-2605		<b>Chrome Plated Nipples</b> (23 21 13 23-2604)		
23 21 13 23-2606		<b>Close</b> (23 21 13 23-2605)		
23 21 13 23-2607	EA	1/4" Diameter Chrome Plated Nipple, Close.....	19.05	8.77
23 21 13 23-2608	EA	3/8" Diameter Chrome Plated Nipple, Close.....	18.38	9.54
23 21 13 23-2609	EA	1/2" Diameter Chrome Plated Nipple, Close.....	22.73	10.96
23 21 13 23-2610	EA	3/4" Diameter Chrome Plated Nipple, Close.....	29.74	13.92
23 21 13 23-2611	EA	1" Diameter Chrome Plated Nipple, Close.....	39.79	18.31
23 21 13 23-2612	EA	1-1/4" Diameter Chrome Plated Nipple, Close.....	56.32	25.54
23 21 13 23-2613	EA	1-1/2" Diameter Chrome Plated Nipple, Close.....	68.54	29.93
23 21 13 23-2614	EA	2" Diameter Chrome Plated Nipple, Close.....	88.15	37.27
23 21 13 23-2615		<b>1-1/2" Nipples</b> (23 21 13 23-2605)		
23 21 13 23-2616	EA	1/4" Diameter, 1-1/2" Length, Chrome Plated Nipple.....	20.32	9.10
23 21 13 23-2617	EA	3/8" Diameter, 1-1/2" Length, Chrome Plated Nipple.....	19.38	9.86
23 21 13 23-2618	EA	1/2" Diameter, 1-1/2" Length, Chrome Plated Nipple.....	23.30	11.29
23 21 13 23-2619	EA	3/4" Diameter, 1-1/2" Length, Chrome Plated Nipple.....	30.78	14.25
23 21 13 23-2620		<b>2" Nipples</b> (23 21 13 23-2605)		
23 21 13 23-2621	EA	1/4" Diameter, 2" Length, Chrome Plated Nipple.....	21.13	9.54
23 21 13 23-2622	EA	3/8" Diameter, 2" Length, Chrome Plated Nipple.....	20.06	10.19
23 21 13 23-2623	EA	1/2" Diameter, 2" Length, Chrome Plated Nipple.....	25.03	11.73
23 21 13 23-2624	EA	3/4" Diameter, 2" Length, Chrome Plated Nipple.....	32.27	14.58
23 21 13 23-2625	EA	1" Diameter, 2" Length, Chrome Plated Nipple.....	42.04	18.97
23 21 13 23-2626	EA	1-1/4" Diameter, 2" Length, Chrome Plated Nipple.....	59.93	26.31
23 21 13 23-2627	EA	1-1/2" Diameter, 2" Length, Chrome Plated Nipple.....	72.71	30.69
23 21 13 23-2628		<b>2-1/2" Nipples</b> (23 21 13 23-2605)		
23 21 13 23-2629	EA	1/4" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	22.32	9.86
23 21 13 23-2630	EA	3/8" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	20.78	10.64
23 21 13 23-2631	EA	1/2" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	26.10	12.06
23 21 13 23-2632	EA	3/4" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	33.05	15.02
23 21 13 23-2633	EA	1" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	43.21	19.40
23 21 13 23-2634	EA	1-1/4" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	63.36	26.64
23 21 13 23-2635	EA	1-1/2" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	77.28	31.02
23 21 13 23-2636	EA	2" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	98.14	38.37
23 21 13 23-2637		<b>3" Nipples</b> (23 21 13 23-2605)		
23 21 13 23-2638	EA	1/4" Diameter, 3" Length, Chrome Plated Nipple.....	23.25	10.19
23 21 13 23-2639	EA	3/8" Diameter, 3" Length, Chrome Plated Nipple.....	21.99	10.96
23 21 13 23-2640	EA	1/2" Diameter, 3" Length, Chrome Plated Nipple.....	25.73	11.73
23 21 13 23-2641	EA	3/4" Diameter, 3" Length, Chrome Plated Nipple.....	35.56	15.35
23 21 13 23-2642	EA	1" Diameter, 3" Length, Chrome Plated Nipple.....	48.29	19.73
23 21 13 23-2643	EA	1-1/4" Diameter, 3" Length, Chrome Plated Nipple.....	67.11	27.08
23 21 13 23-2644	EA	1-1/2" Diameter, 3" Length, Chrome Plated Nipple.....	87.97	31.47
23 21 13 23-2645	EA	2" Diameter, 3" Length, Chrome Plated Nipple.....	106.54	38.81
23 21 13 23-2646		<b>3-1/2" Nipples</b> (23 21 13 23-2605)		
23 21 13 23-2647	EA	1/4" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	24.29	10.64
23 21 13 23-2648	EA	3/8" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	24.00	11.29
23 21 13 23-2649	EA	1/2" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	28.34	12.82
23 21 13 23-2650	EA	3/4" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	39.26	15.67
23 21 13 23-2651	EA	1" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	50.28	20.06
23 21 13 23-2652	EA	1-1/4" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	74.41	27.41
23 21 13 23-2653	EA	1-1/2" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	91.20	31.79



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2654	EA	2" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	113.22	39.13
<b>23 21 13 23-2655</b>		<b>4" Nipples</b> <small>(23 21 13 23-2605)</small>		
23 21 13 23-2656	EA	1/4" Diameter, 4" Length, Chrome Plated Nipple.....	25.33	10.96
23 21 13 23-2657	EA	3/8" Diameter, 4" Length, Chrome Plated Nipple.....	24.61	11.73
23 21 13 23-2658	EA	1/2" Diameter, 4" Length, Chrome Plated Nipple.....	28.54	12.39
23 21 13 23-2659	EA	3/4" Diameter, 4" Length, Chrome Plated Nipple.....	40.74	16.12
23 21 13 23-2660	EA	1" Diameter, 4" Length, Chrome Plated Nipple.....	52.19	20.50
23 21 13 23-2661	EA	1-1/4" Diameter, 4" Length, Chrome Plated Nipple.....	79.99	27.73
23 21 13 23-2662	EA	1-1/2" Diameter, 4" Length, Chrome Plated Nipple.....	97.80	32.12
23 21 13 23-2663	EA	2" Diameter, 4" Length, Chrome Plated Nipple.....	121.38	39.47
<b>23 21 13 23-2664</b>		<b>4-1/2" Nipples</b> <small>(23 21 13 23-2605)</small>		
23 21 13 23-2665	EA	1/4" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	26.26	11.29
23 21 13 23-2666	EA	3/8" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	26.62	12.06
23 21 13 23-2667	EA	1/2" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	31.28	13.49
23 21 13 23-2668	EA	3/4" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	42.45	16.44
23 21 13 23-2669	EA	1" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	58.63	20.83
23 21 13 23-2670	EA	1-1/4" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	85.33	28.17
23 21 13 23-2671	EA	1-1/2" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	100.78	32.56
23 21 13 23-2672	EA	2" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	128.87	39.91
<b>23 21 13 23-2673</b>		<b>5" Nipples</b> <small>(23 21 13 23-2605)</small>		
23 21 13 23-2674	EA	1/4" Diameter, 5" Length, Chrome Plated Nipple.....	29.34	11.73
23 21 13 23-2675	EA	3/8" Diameter, 5" Length, Chrome Plated Nipple.....	27.91	12.39
23 21 13 23-2676	EA	1/2" Diameter, 5" Length, Chrome Plated Nipple.....	32.39	13.92
23 21 13 23-2677	EA	3/4" Diameter, 5" Length, Chrome Plated Nipple.....	44.08	16.77
23 21 13 23-2678	EA	1" Diameter, 5" Length, Chrome Plated Nipple.....	62.56	21.15
23 21 13 23-2679	EA	1-1/4" Diameter, 5" Length, Chrome Plated Nipple.....	90.20	28.51
23 21 13 23-2680	EA	1-1/2" Diameter, 5" Length, Chrome Plated Nipple.....	107.40	32.89
23 21 13 23-2681	EA	2" Diameter, 5" Length, Chrome Plated Nipple.....	133.74	40.23
<b>23 21 13 23-2682</b>		<b>5-1/2" Nipples</b> <small>(23 21 13 23-2605)</small>		
23 21 13 23-2683	EA	1/4" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	30.30	12.06
23 21 13 23-2684	EA	3/8" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	28.92	12.82
23 21 13 23-2685	EA	1/2" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	35.46	14.25
23 21 13 23-2686	EA	3/4" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	45.71	17.21
23 21 13 23-2687	EA	1" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	64.63	21.60
23 21 13 23-2688	EA	1-1/4" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	96.09	28.83
23 21 13 23-2689	EA	1-1/2" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	112.70	33.22
23 21 13 23-2690	EA	2" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	139.92	40.56
<b>23 21 13 23-2691</b>		<b>6" Nipples</b> <small>(23 21 13 23-2605)</small>		
23 21 13 23-2692	EA	1/4" Diameter, 6" Length, Chrome Plated Nipple.....	31.42	12.39
23 21 13 23-2693	EA	3/8" Diameter, 6" Length, Chrome Plated Nipple.....	29.50	13.16
23 21 13 23-2694	EA	1/2" Diameter, 6" Length, Chrome Plated Nipple.....	36.49	14.58
23 21 13 23-2695	EA	3/4" Diameter, 6" Length, Chrome Plated Nipple.....	47.04	17.54
23 21 13 23-2696	EA	1" Diameter, 6" Length, Chrome Plated Nipple.....	70.90	21.93
23 21 13 23-2697	EA	1-1/4" Diameter, 6" Length, Chrome Plated Nipple.....	99.72	29.27
23 21 13 23-2698	EA	1-1/2" Diameter, 6" Length, Chrome Plated Nipple.....	120.83	33.65
23 21 13 23-2699	EA	2" Diameter, 6" Length, Chrome Plated Nipple.....	145.58	41.00
<b>23 21 13 23-2700</b>		<b>8" Nipples</b> <small>(23 21 13 23-2605)</small>		
23 21 13 23-2701	EA	3/8" Diameter, 8" Length, Chrome Plated Nipple.....	35.09	13.92
23 21 13 23-2702	EA	1/2" Diameter, 8" Length, Chrome Plated Nipple.....	51.57	15.35
23 21 13 23-2703	EA	3/4" Diameter, 8" Length, Chrome Plated Nipple.....	62.67	18.31
23 21 13 23-2704	EA	1" Diameter, 8" Length, Chrome Plated Nipple.....	83.21	22.69
23 21 13 23-2705	EA	1-1/4" Diameter, 8" Length, Chrome Plated Nipple.....	119.24	29.93
23 21 13 23-2706	EA	1-1/2" Diameter, 8" Length, Chrome Plated Nipple.....	146.33	34.31
23 21 13 23-2707	EA	2" Diameter, 8" Length, Chrome Plated Nipple.....	180.27	41.66
<b>23 21 13 23-2708</b>		<b>10" Nipples</b> <small>(23 21 13 23-2605)</small>		
23 21 13 23-2709	EA	3/8" Diameter, 10" Length, Chrome Plated Nipple.....	40.36	13.92
23 21 13 23-2710	EA	1/2" Diameter, 10" Length, Chrome Plated Nipple.....	58.22	15.35
23 21 13 23-2711	EA	3/4" Diameter, 10" Length, Chrome Plated Nipple.....	70.37	18.31
23 21 13 23-2712	EA	1" Diameter, 10" Length, Chrome Plated Nipple.....	94.85	22.69
23 21 13 23-2713	EA	1-1/4" Diameter, 10" Length, Chrome Plated Nipple.....	144.17	29.93
23 21 13 23-2714	EA	1-1/2" Diameter, 10" Length, Chrome Plated Nipple.....	165.31	34.31
23 21 13 23-2715	EA	2" Diameter, 10" Length, Chrome Plated Nipple.....	210.62	41.66
<b>23 21 13 23-2716</b>		<b>12" Nipples</b> <small>(23 21 13 23-2605)</small>		
23 21 13 23-2717	EA	3/8" Diameter, 12" Length, Chrome Plated Nipple.....	45.03	15.35
23 21 13 23-2718	EA	1/2" Diameter, 12" Length, Chrome Plated Nipple.....	60.94	16.12
23 21 13 23-2719	EA	3/4" Diameter, 12" Length, Chrome Plated Nipple.....	77.66	18.97
23 21 13 23-2720	EA	1" Diameter, 12" Length, Chrome Plated Nipple.....	111.22	24.11
23 21 13 23-2721	EA	1-1/4" Diameter, 12" Length, Chrome Plated Nipple.....	161.63	31.47

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 21	13 23-2722	EA	2" Diameter, 12" Length, Chrome Plated Nipple.....	237.12	43.19
<b>23 21</b>	<b>13 23-2723</b>		<b>18" Nipples (23 21 13 23-2605)</b>		
23 21	13 23-2724	EA	3/8" Diameter, 18" Length, Chrome Plated Nipple.....	57.23	16.12
<b>23 21</b>	<b>13 23-2725</b>		<b>24" Nipples (23 21 13 23-2605)</b>		
23 21	13 23-2726	EA	3/8" Diameter, 24" Length, Chrome Plated Nipple.....	68.91	16.77
<b>23 21</b>	<b>13 23-2727</b>		<b>30" Nipples (23 21 13 23-2605)</b>		
23 21	13 23-2728	EA	3/8" Diameter, 30" Length, Chrome Plated Nipple.....	76.38	17.54
<b>23 21</b>	<b>13 23-2729</b>		<b>36" Nipples (23 21 13 23-2605)</b>		
23 21	13 23-2730	EA	3/8" Diameter, 36" Length, Chrome Plated Nipple.....	83.86	18.31
<b>23 21</b>	<b>13 23-2731</b>		<b>Chrome Plated Fittings (23 21 13 23-2604)</b>		
<b>23 21</b>	<b>13 23-2732</b>		<b>Chrome Plated 90 Degree Elbows (23 21 13 23-2731)</b>		
23 21	13 23-2733	EA	1/4" 90 Degree Elbow, Chrome Plated.....	24.22	10.19
23 21	13 23-2734	EA	3/8" 90 Degree Elbow, Chrome Plated.....	24.74	10.96
23 21	13 23-2735	EA	1/2" 90 Degree Elbow, Chrome Plated.....	27.80	11.73
23 21	13 23-2736	EA	3/4" 90 Degree Elbow, Chrome Plated.....	35.50	15.35
23 21	13 23-2737	EA	1" 90 Degree Elbow, Chrome Plated.....	48.13	19.73
23 21	13 23-2738	EA	1-1/4" 90 Degree Elbow, Chrome Plated.....	73.79	27.08
23 21	13 23-2739	EA	1-1/2" 90 Degree Elbow, Chrome Plated.....	88.56	31.47
23 21	13 23-2740	EA	2" 90 Degree Elbow, Chrome Plated.....	120.92	38.81
<b>23 21</b>	<b>13 23-2741</b>		<b>Chrome Plated Street 90 Degree Elbows (23 21 13 23-2731)</b>		
23 21	13 23-2742	EA	1/4" Street 90 Degree Elbow, Chrome Plated.....	27.94	10.19
23 21	13 23-2743	EA	3/8" Street 90 Degree Elbow, Chrome Plated.....	28.83	10.96
23 21	13 23-2744	EA	1/2" Street 90 Degree Elbow, Chrome Plated.....	30.63	11.73
23 21	13 23-2745	EA	3/4" Street 90 Degree Elbow, Chrome Plated.....	39.69	15.35
23 21	13 23-2746	EA	1" Street 90 Degree Elbow, Chrome Plated.....	55.84	19.73
23 21	13 23-2747	EA	1-1/4" Street 90 Degree Elbow, Chrome Plated.....	81.69	27.08
23 21	13 23-2748	EA	1-1/2" Street 90 Degree Elbow, Chrome Plated.....	99.64	31.47
23 21	13 23-2749	EA	2" Street 90 Degree Elbow, Chrome Plated.....	146.99	38.81
<b>23 21</b>	<b>13 23-2750</b>		<b>Chrome Plated 45 Degree Elbows (23 21 13 23-2731)</b>		
23 21	13 23-2751	EA	1/4" 45 Degree Elbow, Chrome Plated.....	25.04	10.19
23 21	13 23-2752	EA	3/8" 45 Degree Elbow, Chrome Plated.....	25.93	10.96
23 21	13 23-2753	EA	1/2" 45 Degree Elbow, Chrome Plated.....	28.64	11.73
23 21	13 23-2754	EA	3/4" 45 Degree Elbow, Chrome Plated.....	38.70	15.35
23 21	13 23-2755	EA	1" 45 Degree Elbow, Chrome Plated.....	51.70	19.73
23 21	13 23-2756	EA	1-1/4" 45 Degree Elbow, Chrome Plated.....	78.08	27.08
23 21	13 23-2757	EA	1-1/2" 45 Degree Elbow, Chrome Plated.....	94.30	31.47
23 21	13 23-2758	EA	2" 45 Degree Elbow, Chrome Plated.....	136.69	38.81
<b>23 21</b>	<b>13 23-2759</b>		<b>Chrome Plated Street 45 Degree Elbows (23 21 13 23-2731)</b>		
23 21	13 23-2760	EA	1/2" Street 45 Degree Elbow, Chrome Plated.....	33.74	11.73
<b>23 21</b>	<b>13 23-2761</b>		<b>Chrome Plated Couplings (23 21 13 23-2731)</b>		
23 21	13 23-2762	EA	1/4" Coupling, Chrome Plated.....	23.71	10.19
23 21	13 23-2763	EA	3/8" Coupling, Chrome Plated.....	24.81	10.96
23 21	13 23-2764	EA	1/2" Coupling, Chrome Plated.....	28.01	11.73
23 21	13 23-2765	EA	3/4" Coupling, Chrome Plated.....	35.59	15.35
23 21	13 23-2766	EA	1" Coupling, Chrome Plated.....	46.36	19.73
23 21	13 23-2767	EA	1-1/4" Coupling, Chrome Plated.....	67.36	27.08
23 21	13 23-2768	EA	1-1/2" Coupling, Chrome Plated.....	83.18	31.47
23 21	13 23-2769	EA	2" Coupling, Chrome Plated.....	114.35	38.81
<b>23 21</b>	<b>13 23-2770</b>		<b>Chrome Plated Unions (23 21 13 23-2731)</b>		
23 21	13 23-2771	EA	1/4" Union, Chrome Plated.....	37.74	11.73
23 21	13 23-2772	EA	3/8" Union, Chrome Plated.....	38.85	12.39
23 21	13 23-2773	EA	1/2" Union, Chrome Plated.....	46.89	13.92
23 21	13 23-2774	EA	3/4" Union, Chrome Plated.....	58.22	18.31
23 21	13 23-2775	EA	1" Union, Chrome Plated.....	73.64	23.35
23 21	13 23-2776	EA	1-1/4" Union, Chrome Plated.....	118.96	31.47
23 21	13 23-2777	EA	1-1/2" Union, Chrome Plated.....	147.98	37.27
23 21	13 23-2778	EA	2" Union, Chrome Plated.....	192.87	45.39
<b>23 21</b>	<b>13 23-2779</b>		<b>Chrome Plated Caps (23 21 13 23-2731)</b>		
23 21	13 23-2780	EA	1/4" Cap, Chrome Plated.....	15.83	5.16
23 21	13 23-2781	EA	3/8" Cap, Chrome Plated.....	16.37	5.48

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2782	EA	1/2" Cap, Chrome Plated.....	18.67	5.81
23 21 13 23-2783	EA	3/4" Cap, Chrome Plated.....	23.31	7.68
23 21 13 23-2784	EA	1" Cap, Chrome Plated.....	27.76	9.86
23 21 13 23-2785	EA	1-1/4" Cap, Chrome Plated.....	40.91	13.49
23 21 13 23-2786	EA	1-1/2" Cap, Chrome Plated.....	53.75	15.67
23 21 13 23-2787	EA	2" Cap, Chrome Plated.....	78.42	20.50
<b>23 21 13 23-2788</b>		<b>Chrome Plated Plugs (23 21 13 23-2731)</b>		
23 21 13 23-2789	EA	1/4" Plug, Chrome Plated.....	13.00	5.16
23 21 13 23-2790	EA	3/8" Plug, Chrome Plated.....	13.54	5.48
23 21 13 23-2791	EA	1/2" Plug, Chrome Plated.....	15.68	5.81
23 21 13 23-2792	EA	3/4" Plug, Chrome Plated.....	21.19	7.68
23 21 13 23-2793	EA	1" Plug, Chrome Plated.....	26.14	9.86
23 21 13 23-2794	EA	1-1/4" Plug, Chrome Plated.....	35.32	13.49
23 21 13 23-2795	EA	1-1/2" Plug, Chrome Plated.....	43.52	15.67
23 21 13 23-2796	EA	2" Plug, Chrome Plated.....	60.60	20.50
<b>23 21 13 23-2797</b>		<b>Chrome Plated Tees (23 21 13 23-2731)</b>		
23 21 13 23-2798	EA	1/4" Chrome Plated Tee.....	33.72	15.35
23 21 13 23-2799	EA	3/8" Chrome Plated Tee.....	35.91	16.77
23 21 13 23-2800	EA	1/2" Chrome Plated Tee.....	40.00	18.31
23 21 13 23-2801	EA	3/4" Chrome Plated Tee.....	49.81	22.69
23 21 13 23-2802	EA	1" Chrome Plated Tee.....	70.63	29.27
23 21 13 23-2803	EA	1-1/4" Chrome Plated Tee.....	97.35	40.23
23 21 13 23-2804	EA	1-1/2" Chrome Plated Tee.....	124.32	46.81
23 21 13 23-2805	EA	2" Chrome Plated Tee.....	170.13	57.77
<b>23 21 13 23-2806</b>		<b>Chrome Plated Reducing 90 Degree Elbows (23 21 13 23-2731)</b>		
23 21 13 23-2807	EA	1/2" x 3/8" Reducing 90 Degree Elbow, Chrome Plated.....	38.11	18.31
23 21 13 23-2808	EA	3/4" x 1/2" Reducing 90 Degree Elbow, Chrome Plated.....	44.69	22.69
<b>23 21 13 23-2809</b>		<b>Chrome Plated Bell Reducers (23 21 13 23-2731)</b>		
23 21 13 23-2810	EA	1/2" x 3/8" Bell Reducer, Chrome Plated.....	41.53	18.31
23 21 13 23-2811	EA	3/4" x 1/2" Bell Reducer, Chrome Plated.....	50.58	22.69
23 21 13 23-2812	EA	1" x 1/2" Bell Reducer, Chrome Plated.....	64.30	29.27
<b>23 21 13 23-2813</b>		<b>Chrome Plated Reducing Tees (23 21 13 23-2731)</b>		
23 21 13 23-2814	EA	3/4" x 1/2" Reducing Tee, Chrome Plated.....	54.93	22.69
<b>23 21 13 23-2815</b>		<b>Chrome Plated Bushings (23 21 13 23-2731)</b>		
23 21 13 23-2816	EA	3/8" x 1/4" Bushing, Chrome Plated.....	12.91	5.16
23 21 13 23-2817	EA	1/2" x 1/4" Bushing, Chrome Plated.....	13.89	5.48
23 21 13 23-2818	EA	1/2" x 3/8" Bushing, Chrome Plated.....	14.44	5.81
23 21 13 23-2819	EA	3/4" x 1/2" Bushing, Chrome Plated.....	18.37	7.68
23 21 13 23-2820	EA	1" x 3/4" Bushing, Chrome Plated.....	26.69	9.86
23 21 13 23-2821	EA	1-1/4" x 1" Bushing, Chrome Plated.....	39.00	13.49
<b>23 21 13 23-2822</b>		<b>Aluminum Tubing Assemblies (23 21 13 23)</b>		
Note: ASTM B210 (Tubing), ASTM B26 (Fittings). Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.				
23 21 13 23-2823	LF	1/8" Inside Diameter Aluminum Pipe/Tubing Assembly..... Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	9.27	3.84
23 21 13 23-2824	LF	3/16" Inside Diameter Aluminum Pipe/Tubing Assembly..... Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	10.57	4.38
23 21 13 23-2825	LF	1/4" Inside Diameter Aluminum Pipe/Tubing Assembly..... Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	11.78	4.94
23 21 13 23-2826	LF	5/16" Inside Diameter Aluminum Pipe/Tubing Assembly..... Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	12.92	5.48
23 21 13 23-2827	LF	3/8" Inside Diameter Aluminum Pipe/Tubing Assembly..... Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	14.30	6.03
23 21 13 23-2828	LF	1/2" Inside Diameter Aluminum Pipe/Tubing Assembly..... Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	16.27	6.58
23 21 13 23-2829	LF	5/8" Inside Diameter Aluminum Pipe/Tubing Assembly..... Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	19.01	7.57
23 21 13 23-2830	LF	3/4" Inside Diameter Aluminum Pipe/Tubing Assembly..... Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	23.08	8.58
23 21 13 23-2831	LF	7/8" Inside Diameter Aluminum Pipe/Tubing Assembly..... Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	26.62	9.59
23 21 13 23-2832	LF	1" Inside Diameter Aluminum Pipe/Tubing Assembly.....	31.32	10.10

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
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 UNIT COST UNIT COST
**23 21 16 Hydronic Piping Specialties (23 21)****23 21 16 00-0001 Y-Type Strainers (23 21 16)****23 21 16 00-0002 Screwed Ends, 250 LB, Iron Body, Y-Type Strainers (23 21 16 00-0001)**

23 21 16 00-0003	EA	1/4" Or 3/8" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	77.02	12.28
		<i>For Galvanized Body, Add</i>	20.96	
		<i>For Work In Restricted Working Space, Add</i>	10.53	
23 21 16 00-0004	EA	1/2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	77.56	12.51
		<i>For Galvanized Body, Add</i>	20.96	
		<i>For Work In Restricted Working Space, Add</i>	10.69	
23 21 16 00-0005	EA	3/4" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	98.30	16.89
		<i>For Galvanized Body, Add</i>	25.02	
		<i>For Work In Restricted Working Space, Add</i>	14.48	
23 21 16 00-0006	EA	1" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	125.20	20.18
		<i>For Galvanized Body, Add</i>	33.81	
		<i>For Work In Restricted Working Space, Add</i>	17.27	
23 21 16 00-0007	EA	1-1/4" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	163.93	24.95
		<i>For Galvanized Body, Add</i>	46.32	
		<i>For Work In Restricted Working Space, Add</i>	21.39	
23 21 16 00-0008	EA	1-1/2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	188.34	26.87
		<i>For Galvanized Body, Add</i>	55.79	
		<i>For Work In Restricted Working Space, Add</i>	23.03	
23 21 16 00-0009	EA	2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	259.49	30.70
		<i>For Galvanized Body, Add</i>	85.88	
		<i>For Work In Restricted Working Space, Add</i>	26.32	
23 21 16 00-0010	EA	2-1/2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	495.78	38.38
		<i>For Galvanized Body, Add</i>	193.06	
		<i>For Work In Restricted Working Space, Add</i>	32.90	
23 21 16 00-0011	EA	3" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	641.54	48.04
		<i>For Galvanized Body, Add</i>	252.23	
		<i>For Work In Restricted Working Space, Add</i>	41.13	

**23 21 16 00-0012 Flanged, 125 LB, Iron Body, Y-Type Strainers (23 21 16 00-0001)**

23 21 16 00-0013	EA	1-1/2" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	289.23	115.15
		<i>For Galvanized Body, Add</i>	72.47	
		<i>For Work In Restricted Working Space, Add</i>	43.29	
23 21 16 00-0014	EA	2" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	339.63	146.19
		<i>For Galvanized Body, Add</i>	78.42	
		<i>For Work In Restricted Working Space, Add</i>	54.84	
23 21 16 00-0015	EA	3" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	607.23	186.45
		<i>For Galvanized Body, Add</i>	186.95	
		<i>For Work In Restricted Working Space, Add</i>	70.00	
23 21 16 00-0016	EA	4" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	815.98	312.56
		<i>For Galvanized Body, Add</i>	212.15	
		<i>For Work In Restricted Working Space, Add</i>	117.51	
23 21 16 00-0017	EA	5" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	867.63	314.85
		<i>For Galvanized Body, Add</i>	237.34	
		<i>For Work In Restricted Working Space, Add</i>	117.89	
23 21 16 00-0018	EA	6" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	1,028.38	349.83
		<i>For Galvanized Body, Add</i>	294.77	
		<i>For Work In Restricted Working Space, Add</i>	131.66	
23 21 16 00-0019	EA	8" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	1,716.37	447.00
		<i>For Galvanized Body, Add</i>	580.55	
		<i>For Work In Restricted Working Space, Add</i>	166.58	
23 21 16 00-0020	EA	10" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	3,268.07	544.17
		<i>For Galvanized Body, Add</i>	1,293.93	
		<i>For Work In Restricted Working Space, Add</i>	204.06	
23 21 16 00-0021	EA	12" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	3,662.54	485.87
		<i>For Galvanized Body, Add</i>	1,345.40	
		<i>For Work In Restricted Working Space, Add</i>	291.52	

**23 21 16 00-0022 Screwed Ends, 150 LB, Bronze Body, Y-Type Strainers (23 21 16 00-0001)**

Note: With screwed cap (4" size has bolted cap).

23 21 16 00-0023	EA	1/2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer.....	65.18	12.51
		<i>For 300 LB Rating, Add</i>	50.22	
		<i>For Work In Restricted Working Space, Add</i>	10.69	
23 21 16 00-0024	EA	3/4" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer.....	86.66	16.89
		<i>For 300 LB Rating, Add</i>	65.28	
		<i>For Work In Restricted Working Space, Add</i>	14.48	
23 21 16 00-0025	EA	1" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer.....	105.95	20.18
		<i>For 300 LB Rating, Add</i>	82.23	
		<i>For Work In Restricted Working Space, Add</i>	17.27	
23 21 16 00-0026	EA	1-1/4" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer.....	131.85	24.95
		<i>For 300 LB Rating, Add</i>	102.95	
		<i>For Work In Restricted Working Space, Add</i>	21.39	
23 21 16 00-0027	EA	1-1/2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer.....	155.42	26.87
		<i>For 300 LB Rating, Add</i>	133.71	
		<i>For Work In Restricted Working Space, Add</i>	23.03	
23 21 16 00-0028	EA	2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer.....	215.50	30.70
		<i>For 300 LB Rating, Add</i>	217.19	
		<i>For Work In Restricted Working Space, Add</i>	26.32	
23 21 16 00-0029	EA	2-1/2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer.....	320.52	38.38
		<i>For 300 LB Rating, Add</i>	358.45	
		<i>For Work In Restricted Working Space, Add</i>	32.90	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0030	EA		3" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	574.26 743.19 41.13	48.04
23 21 16 00-0031	EA		4" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	994.18 1,410.44 49.35	57.58
<b>23 21 16 00-0032</b>			<b>Flanged, 150 LB, Bronze Body, Y-Type Strainers</b> (23 21 16 00-0001) Note: With bolted cap.		
23 21 16 00-0033	EA		2" Flanged, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	549.76 220.18 54.84	146.19
23 21 16 00-0034	EA		2-1/2" Flanged, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	573.29 224.33 59.82	159.03
23 21 16 00-0035	EA		3" Flanged, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	661.48 256.88 70.00	186.45
23 21 16 00-0036	EA		4" Flanged, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,431.99 624.18 117.51	312.56
23 21 16 00-0037	EA		6" Flanged, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,015.77 946.15 131.66	349.83
23 21 16 00-0038	EA		8" Flanged, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,246.41 1,614.68 166.58	447.00
23 21 16 00-0039	EA		10" Flanged, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	10,339.05 5,795.30 204.06	544.17
<b>23 21 16 00-0040</b>			<b>Polyvinyl Chloride (PVC) Body, Y-Type Strainers</b> (23 21 16 00-0001)		
<b>23 21 16 00-0041</b>			<b>Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainers</b> (23 21 16 00-0040)		
23 21 16 00-0042	EA		1/2" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer..... <i>For Work In Restricted Working Space, Add</i>	92.13 10.52	12.06
23 21 16 00-0043	EA		3/4" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer..... <i>For Work In Restricted Working Space, Add</i>	110.89 14.14	16.55
23 21 16 00-0044	EA		1" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer..... <i>For Work In Restricted Working Space, Add</i>	134.26 19.40	22.47
23 21 16 00-0045	EA		1-1/4" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer..... <i>For Work In Restricted Working Space, Add</i>	196.82 20.72	24.11
23 21 16 00-0046	EA		1-1/2" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer..... <i>For Work In Restricted Working Space, Add</i>	201.18 22.37	26.09
23 21 16 00-0047	EA		2" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer..... <i>For Work In Restricted Working Space, Add</i>	234.49 25.32	29.59
23 21 16 00-0048	EA		2-1/2" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer..... <i>For Work In Restricted Working Space, Add</i>	466.83 32.89	38.37
23 21 16 00-0049	EA		3" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer..... <i>For Work In Restricted Working Space, Add</i>	471.91 41.11	48.02
23 21 16 00-0050	EA		4" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer..... <i>For Work In Restricted Working Space, Add</i>	732.45 43.74	51.09
<b>23 21 16 00-0051</b>			<b>Flanged, Polyvinyl Chloride (PVC) Body, Y-Type Strainers</b> (23 21 16 00-0040)		
23 21 16 00-0052	EA		2" Flanged, Polyvinyl Chloride (PVC) Body, Y-Type Strainer..... <i>For Work In Restricted Working Space, Add</i>	386.33 41.11	68.52
23 21 16 00-0053	EA		2-1/2" Flanged, Polyvinyl Chloride (PVC) Body, Y-Type Strainer..... <i>For Work In Restricted Working Space, Add</i>	723.17 53.60	89.35
23 21 16 00-0054	EA		3" Flanged, Polyvinyl Chloride (PVC) Body, Y-Type Strainer..... <i>For Work In Restricted Working Space, Add</i>	750.46 69.98	186.37
23 21 16 00-0055	EA		4" Flanged, Polyvinyl Chloride (PVC) Body, Y-Type Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,225.00 117.46	312.43
<b>23 21 16 00-0056</b>			<b>Class 125, Crimped Bronze Body, Y-Type Strainers</b> (23 21 16 00-0001) Note: Nibco®		
23 21 16 00-0057	EA		1/2" Class 125, Crimped Bronze Body, Y-Type Strainer..... <i>For Work In Restricted Working Space, Add</i>	156.95 7.40	10.96
23 21 16 00-0058	EA		3/4" Class 125, Crimped Bronze Body, Y-Type Strainer..... <i>For Work In Restricted Working Space, Add</i>	181.84 8.43	12.06
23 21 16 00-0059	EA		1" Class 125, Crimped Bronze Body, Y-Type Strainer..... <i>For Work In Restricted Working Space, Add</i>	259.25 10.07	13.70
23 21 16 00-0060	EA		1-1/4" Class 125, Crimped Bronze Body, Y-Type Strainer..... <i>For Work In Restricted Working Space, Add</i>	348.09 11.10	14.58
23 21 16 00-0061	EA		1-1/2" Class 125, Crimped Bronze Body, Y-Type Strainer..... <i>For Work In Restricted Working Space, Add</i>	419.31 12.33	16.88
23 21 16 00-0062	EA		2" Class 125, Crimped Bronze Body, Y-Type Strainer..... <i>For Work In Restricted Working Space, Add</i>	621.68 14.80	19.95
<b>23 21 16 00-0063</b>			<b>250 PSI, Crimped Bronze Body, Y-Type Strainers</b> (23 21 16 00-0001)		
23 21 16 00-0064	EA		1/2" 250 PSI, Crimped Bronze Body, Y-Type Strainer.....	73.07	10.96
23 21 16 00-0065	EA		3/4" 250 PSI, Crimped Bronze Body, Y-Type Strainer.....	89.10	12.06
23 21 16 00-0066	EA		1" 250 PSI, Crimped Bronze Body, Y-Type Strainer.....	130.35	13.70

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
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23 21 16 00-0067	EA	1-1/4" 250 PSI, Crimped Bronze Body, Y-Type Strainer.....	159.20	14.58
23 21 16 00-0068	EA	1-1/2" 250 PSI, Crimped Bronze Body, Y-Type Strainer.....	189.88	16.88
23 21 16 00-0069	EA	2" 250 PSI, Crimped Bronze Body, Y-Type Strainer.....	249.21	19.95

**23 21 16 00-0070 Cast Iron Body, Suction Diffusers** (23 21 16)

Note: 175 PSI, steel inlet vanes, steel orifice cylinder and 16 mesh bronze startup strainer.

23 21 16 00-0071	EA	2" x 1-1/2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser.....	534.42	43.21
		<i>For Work In Restricted Working Space, Add</i>	21.16	
23 21 16 00-0072	EA	2" x 2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser.....	560.79	47.93
		<i>For Work In Restricted Working Space, Add</i>	23.50	
23 21 16 00-0073	EA	2-1/2" x 2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser.....	569.38	50.33
		<i>For Work In Restricted Working Space, Add</i>	24.69	
23 21 16 00-0074	EA	2-1/2" x 2-1/2" Flanged, 175 LB, Cast Iron Body, Suction Diffuser.....	1,071.52	159.03
		<i>For Work In Restricted Working Space, Add</i>	59.82	
23 21 16 00-0075	EA	3" x 1-1/2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser.....	587.30	58.57
		<i>For Work In Restricted Working Space, Add</i>	28.67	
23 21 16 00-0076	EA	3" x 2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser.....	666.16	58.57
		<i>For Work In Restricted Working Space, Add</i>	28.67	
23 21 16 00-0077	EA	3" x 2-1/2" Flanged, 175 LB, Cast Iron Body, Suction Diffuser.....	1,120.97	173.10
		<i>For Work In Restricted Working Space, Add</i>	64.91	
23 21 16 00-0078	EA	3" x 3" Flanged, 175 LB, Cast Iron Body, Suction Diffuser.....	1,142.58	186.45
		<i>For Work In Restricted Working Space, Add</i>	70.00	
23 21 16 00-0079	EA	4" x 3" Flanged, 175 LB, Cast Iron Body, Suction Diffuser.....	1,384.11	250.01
		<i>For Work In Restricted Working Space, Add</i>	93.75	
23 21 16 00-0080	EA	4" x 4" Flanged, 175 LB, Cast Iron Body, Suction Diffuser.....	1,625.65	312.56
		<i>For Work In Restricted Working Space, Add</i>	117.51	
23 21 16 00-0081	EA	6" x 4" Flanged, 175 LB, Cast Iron Body, Suction Diffuser.....	1,868.14	314.36
		<i>For Work In Restricted Working Space, Add</i>	117.89	
23 21 16 00-0082	EA	6" x 6" Flanged, 175 LB, Cast Iron Body, Suction Diffuser.....	2,261.96	349.83
		<i>For Work In Restricted Working Space, Add</i>	131.66	
23 21 16 00-0083	EA	8" x 6" Flanged, 175 LB, Cast Iron Body, Suction Diffuser.....	2,550.03	447.00
		<i>For Work In Restricted Working Space, Add</i>	166.58	
23 21 16 00-0084	EA	8" x 8" Flanged, 175 LB, Cast Iron Body, Suction Diffuser.....	3,983.47	447.00
		<i>For Work In Restricted Working Space, Add</i>	166.58	
23 21 16 00-0085	EA	10" x 8" Flanged, 175 LB, Cast Iron Body, Suction Diffuser.....	4,544.46	544.17
		<i>For Work In Restricted Working Space, Add</i>	204.06	
23 21 16 00-0086	EA	10" x 10" Flanged, 175 LB, Cast Iron Body, Suction Diffuser.....	5,328.45	544.17
		<i>For Work In Restricted Working Space, Add</i>	204.06	

**23 21 16 00-0087 Duplex Strainers** (23 21 16)**23 21 16 00-0088 Iron Body, Duplex Strainers** (23 21 16 00-0087)**23 21 16 00-0089 Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainers** (23 21 16 00-0088)

Note: With brass or stainless steel basket.

23 21 16 00-0090	EA	3/4" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer.....	807.94	27.31
		<i>For Work In Restricted Working Space, Add</i>	16.40	
23 21 16 00-0091	EA	1" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer.....	902.16	31.26
		<i>For Work In Restricted Working Space, Add</i>	18.77	
23 21 16 00-0092	EA	1-1/4" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer.....	1,222.99	36.74
		<i>For Work In Restricted Working Space, Add</i>	22.03	
23 21 16 00-0093	EA	1-1/2" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer.....	1,539.56	40.03
		<i>For Work In Restricted Working Space, Add</i>	24.02	
23 21 16 00-0094	EA	2" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer.....	2,063.54	48.80
		<i>For Work In Restricted Working Space, Add</i>	29.38	
23 21 16 00-0095	EA	2-1/2" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer.....	2,596.72	62.51
		<i>For Work In Restricted Working Space, Add</i>	37.50	

**23 21 16 00-0096 Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainers** (23 21 16 00-0088)

Note: With brass or stainless steel basket.

23 21 16 00-0097	EA	2" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer.....	2,811.46	146.19
		<i>For Work In Restricted Working Space, Add</i>	54.84	
23 21 16 00-0098	EA	2-1/2" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer.....	2,906.54	159.03
		<i>For Work In Restricted Working Space, Add</i>	59.82	
23 21 16 00-0099	EA	3" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer.....	3,725.15	186.45
		<i>For Work In Restricted Working Space, Add</i>	70.00	
23 21 16 00-0100	EA	4" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer.....	5,839.79	276.94
		<i>For Work In Restricted Working Space, Add</i>	104.12	
23 21 16 00-0101	EA	6" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer.....	11,424.33	349.83
		<i>For Work In Restricted Working Space, Add</i>	131.66	
23 21 16 00-0102	EA	8" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer.....	21,741.57	447.00
		<i>For Work In Restricted Working Space, Add</i>	166.58	
23 21 16 00-0103	EA	10" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer.....	30,027.15	544.17
		<i>For Work In Restricted Working Space, Add</i>	204.06	
23 21 16 00-0104	EA	12" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer.....	34,015.09	686.05
		<i>For Work In Restricted Working Space, Add</i>	411.75	
23 21 16 00-0105	EA	14" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer.....	40,519.49	777.39
		<i>For Work In Restricted Working Space, Add</i>	291.52	
23 21 16 00-0106	EA	16" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer.....	50,660.53	855.13
		<i>For Work In Restricted Working Space, Add</i>	320.67	

**23 21 16 00-0107 Bronze Body, Duplex Strainers** (23 21 16 00-0087)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0108			<b>Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainers</b> <small>(23 21 16 00-0107)</small>		
			Note: With brass or stainless steel basket.		
23 21 16 00-0109	EA		3/4" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer .....	1,506.30	27.42
			<i>For Work In Restricted Working Space, Add</i>	16.40	
23 21 16 00-0110	EA		1" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer .....	1,671.15	31.26
			<i>For Work In Restricted Working Space, Add</i>	18.77	
23 21 16 00-0111	EA		1-1/4" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer .....	2,447.09	36.74
			<i>For Work In Restricted Working Space, Add</i>	22.03	
23 21 16 00-0112	EA		1-1/2" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer .....	3,218.77	40.03
			<i>For Work In Restricted Working Space, Add</i>	24.02	
23 21 16 00-0113	EA		2" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer .....	4,158.63	48.80
			<i>For Work In Restricted Working Space, Add</i>	29.38	
23 21 16 00-0114	EA		2-1/2" Screwed, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer .....	5,107.69	62.51
			<i>For Work In Restricted Working Space, Add</i>	37.50	
23 21 16 00-0115			<b>Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainers</b> <small>(23 21 16 00-0107)</small>		
			Note: With brass or stainless steel basket.		
23 21 16 00-0116	EA		2" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer .....	5,832.47	146.19
			<i>For Work In Restricted Working Space, Add</i>	54.84	
23 21 16 00-0117	EA		2-1/2" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer .....	6,006.01	159.03
			<i>For Work In Restricted Working Space, Add</i>	59.82	
23 21 16 00-0118	EA		3" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer .....	8,237.05	186.45
			<i>For Work In Restricted Working Space, Add</i>	70.00	
23 21 16 00-0119	EA		4" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer .....	12,980.36	276.94
			<i>For Work In Restricted Working Space, Add</i>	104.12	
23 21 16 00-0120	EA		6" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer .....	28,216.43	349.83
			<i>For Work In Restricted Working Space, Add</i>	131.66	
23 21 16 00-0121			<b>Cast Steel Body, Duplex Strainers</b> <small>(23 21 16 00-0087)</small>		
23 21 16 00-0122			<b>Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainers</b> <small>(23 21 16 00-0121)</small>		
			Note: With brass or stainless steel basket.		
23 21 16 00-0123	EA		1" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer .....	2,347.37	31.26
			<i>For Work In Restricted Working Space, Add</i>	18.77	
23 21 16 00-0124	EA		1-1/4" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer .....	2,891.35	36.74
			<i>For Work In Restricted Working Space, Add</i>	22.03	
23 21 16 00-0125	EA		1-1/2" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer .....	3,431.10	40.03
			<i>For Work In Restricted Working Space, Add</i>	24.02	
23 21 16 00-0126	EA		2" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer .....	5,809.91	48.80
			<i>For Work In Restricted Working Space, Add</i>	29.38	
23 21 16 00-0127			<b>Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainers</b> <small>(23 21 16 00-0121)</small>		
			Note: With brass or stainless steel basket.		
23 21 16 00-0128	EA		2" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer .....	5,932.86	146.19
			<i>For Work In Restricted Working Space, Add</i>	54.84	
23 21 16 00-0129	EA		2-1/2" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer .....	6,520.67	159.03
			<i>For Work In Restricted Working Space, Add</i>	59.82	
23 21 16 00-0130	EA		3" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer .....	8,572.85	186.45
			<i>For Work In Restricted Working Space, Add</i>	70.00	
23 21 16 00-0131	EA		4" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer .....	12,570.71	276.94
			<i>For Work In Restricted Working Space, Add</i>	104.12	
23 21 16 00-0132	EA		6" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer .....	21,458.98	349.83
			<i>For Work In Restricted Working Space, Add</i>	131.66	
23 21 16 00-0133	EA		8" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer .....	41,833.93	447.00
			<i>For Work In Restricted Working Space, Add</i>	166.58	
23 21 16 00-0134			<b>Stainless Steel Body, Duplex Strainers</b> <small>(23 21 16 00-0087)</small>		
23 21 16 00-0135			<b>Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers</b> <small>(23 21 16 00-0134)</small>		
			Note: With stainless steel basket.		
23 21 16 00-0136	EA		1" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer .....	4,652.78	31.26
			<i>For Work In Restricted Working Space, Add</i>	18.77	
23 21 16 00-0137	EA		1-1/4" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer .....	5,879.19	36.74
			<i>For Work In Restricted Working Space, Add</i>	22.03	
23 21 16 00-0138	EA		1-1/2" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer .....	7,092.89	40.03
			<i>For Work In Restricted Working Space, Add</i>	24.02	
23 21 16 00-0139	EA		2" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer .....	11,360.93	48.80
			<i>For Work In Restricted Working Space, Add</i>	29.38	
23 21 16 00-0140			<b>Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers</b> <small>(23 21 16 00-0134)</small>		
			Note: With stainless steel basket.		
23 21 16 00-0141	EA		2" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer .....	11,913.32	146.19
			<i>For Work In Restricted Working Space, Add</i>	54.84	
23 21 16 00-0142	EA		2-1/2" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer .....	12,524.96	159.03
			<i>For Work In Restricted Working Space, Add</i>	59.82	
23 21 16 00-0143	EA		3" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer .....	19,614.22	186.45
			<i>For Work In Restricted Working Space, Add</i>	70.00	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 21 16 00-0144	EA	4" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer.....	23,978.13	276.94
		<i>For Work In Restricted Working Space, Add</i>	104.12	
23 21 16 00-0145	EA	6" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer.....	42,090.75	349.83
		<i>For Work In Restricted Working Space, Add</i>	131.66	
23 21 16 00-0146	EA	8" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer.....	77,738.80	447.00
		<i>For Work In Restricted Working Space, Add</i>	166.58	
<b>23 21 16 00-0147</b>		<b>Horizontal Steel Expansion Tanks <sup>(23 21 16)</sup></b>		
		Note: ASME Code Stamp. 150 PSI with glass gauge and cocks.		
23 21 16 00-0148	EA	10 Gallon Horizontal Steel Expansion Tank.....	647.46	109.67
23 21 16 00-0149	EA	15 Gallon Horizontal Steel Expansion Tank.....	916.35	137.09
23 21 16 00-0150	EA	30 Gallon Horizontal Steel Expansion Tank.....	1,201.33	164.51
23 21 16 00-0151	EA	40 Gallon Horizontal Steel Expansion Tank.....	1,382.78	191.93
23 21 16 00-0152	EA	60 Gallon Horizontal Steel Expansion Tank.....	1,591.41	194.34
<b>23 21 16 00-0153</b>		<b>Horizontal Diaphragm Type (Bladder) Steel Expansion Tanks <sup>(23 21 16)</sup></b>		
		Note: ASME. Precharged with working pressure 125 psi. Armstrong AX Series.		
23 21 16 00-0154	EA	7.8 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	1,581.09	82.25
23 21 16 00-0155	EA	10.9 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	1,649.67	95.96
23 21 16 00-0156	EA	21.7 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	2,464.08	109.67
23 21 16 00-0157	EA	33.6 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	2,564.14	123.38
23 21 16 00-0158	EA	44.4 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	3,480.25	137.09
23 21 16 00-0159	EA	55.7 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	3,669.91	150.79
23 21 16 00-0160	EA	68.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	4,365.66	164.51
23 21 16 00-0161	EA	77.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	4,671.55	178.21
23 21 16 00-0162	EA	90.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	5,149.36	191.93
23 21 16 00-0163	EA	110.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	5,291.37	219.35
23 21 16 00-0164	EA	132.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	6,641.71	246.76
23 21 16 00-0165	EA	158.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	7,616.71	274.18
23 21 16 00-0166	EA	211.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	8,840.28	329.02
<b>23 21 16 00-0167</b>		<b>Vertical Diaphragm Type (Bladder) Steel Expansion Tanks (Armstrong AX) <sup>(23 21 16)</sup></b>		
		Note: ASME. Precharged with working pressure 125 psi		
23 21 16 00-0168	EA	8.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	1,803.87	82.25
23 21 16 00-0169	EA	11.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	1,860.34	95.96
23 21 16 00-0170	EA	22.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	2,667.49	109.67
23 21 16 00-0171	EA	34.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	2,847.45	123.38
23 21 16 00-0172	EA	44.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	3,623.11	137.09
23 21 16 00-0173	EA	56.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	3,810.35	150.79
23 21 16 00-0174	EA	67.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	4,648.98	164.51
23 21 16 00-0175	EA	77.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	5,025.09	178.21
23 21 16 00-0176	EA	91.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	5,558.60	191.93
23 21 16 00-0177	EA	111.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	5,693.34	219.35
23 21 16 00-0178	EA	132.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	7,007.36	246.76
23 21 16 00-0179	EA	158.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	8,132.49	274.18
23 21 16 00-0180	EA	211.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	9,365.74	329.02
<b>23 21 16 00-0181</b>		<b>Diaphragm Type (Residential Style) Steel Expansion Tanks <sup>(23 21 16)</sup></b>		
23 21 16 00-0182	EA	2.1 Gallon Diaphragm Type (Residential Style) Steel Expansion Tank (Watts DET-5-M1) .....	86.50	10.10
23 21 16 00-0183	EA	4.5 Gallon Diaphragm Type (Residential Style) Steel Expansion Tank (Watts DET-12-M1) .....	123.06	10.10
<b>23 21 16 00-0184</b>		<b>Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tanks <sup>(23 21 16)</sup></b>		
23 21 16 00-0185	EA	15 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,062.07	329.13
23 21 16 00-0186	EA	20 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,103.15	329.13
23 21 16 00-0187	EA	30 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,144.23	329.13
23 21 16 00-0188	EA	40 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,251.02	329.13
23 21 16 00-0189	EA	47 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,506.94	438.57
23 21 16 00-0190	EA	60 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,752.93	438.80
23 21 16 00-0191	EA	80 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,801.73	438.80
23 21 16 00-0192	EA	87 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,850.52	438.80
23 21 16 00-0193	EA	120 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	2,351.98	548.35
23 21 16 00-0194	EA	187 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	6,488.90	548.35
23 21 16 00-0195	EA	264 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	8,242.54	657.81
<b>23 21 16 00-0196</b>		<b>Vent Valves <sup>(23 21 16)</sup></b>		
23 21 16 00-0197	EA	1/8", 1.5 PSIG Operating Pressure, Non Vacuum Adjustable Angle Radiator Steam Vent Valve (Hoffman 1A) .....	70.70	16.45
23 21 16 00-0198	EA	1/2" x 3/4", 35 PSIG Operating Pressure, Straight Steam Unit Heater Air Vent Valve (Hoffman 74) .....	166.02	17.69
23 21 16 00-0199	EA	1/2" x 3/4", 3 PSIG Operating Pressure, Non Vacuum Main Steam Air Vent Valve (Hoffman 75) .....	158.44	17.69
23 21 16 00-0200	EA	1/2" x 3/4", 10 PSIG Operating Pressure, Non Vacuum Straight Non-Vacuum Main Steam Air Vent Valve (Hoffman 75H) .....	163.75	17.69
23 21 16 00-0201	EA	3/4", 150 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 78) .....	210.17	17.69
23 21 16 00-0202	EA	1/2" x 3/4", 75 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 79) .....	156.36	17.69
<b>23 21 16 00-0203</b>		<b>Threaded Inlet, Drip-Pan Elbow <sup>(23 21 16)</sup></b>		
<b>23 21 16 00-0204</b>		<b>Cast Iron, Threaded Inlet, Drip-Pan Elbow <sup>(23 21 16 00-0203)</sup></b>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0205	EA		2-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow <i>For Flanged Inlet, Add</i>	279.87 115.87	27.64
23 21 16 00-0206	EA		3" Cast Iron, Threaded Inlet, Drip-Pan Elbow <i>For Flanged Inlet, Add</i>	315.00 124.39	32.76
23 21 16 00-0207	EA		3-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow <i>For Flanged Inlet, Add</i>	399.55 167.82	37.87
23 21 16 00-0208	EA		4" Cast Iron, Threaded Inlet, Drip-Pan Elbow <i>For Flanged Inlet, Add</i>	607.70 295.27	42.99
23 21 16 00-0209	EA		5" Cast Iron, Threaded Inlet, Drip-Pan Elbow <i>For Flanged Inlet, Add</i>	684.71 326.40	51.18
23 21 16 00-0210	EA		6" Cast Iron, Threaded Inlet, Drip-Pan Elbow <i>For Flanged Inlet, Add</i>	957.35 476.99	64.48
23 21 16 00-0211	EA		8" Cast Iron, Threaded Inlet, Drip-Pan Elbow <i>For Flanged Inlet, Add</i>	2,207.75 1,269.27	84.95
<b>23 21 16 00-0212</b>			<b>Cast Steel, Threaded Inlet, Drip-Pan Elbow</b> <small>(23 21 16 00-0203)</small>		
23 21 16 00-0213	EA		2-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow <i>For Flanged Inlet, Add</i>	462.28 239.91	27.64
23 21 16 00-0214	EA		3" Cast Steel, Threaded Inlet, Drip-Pan Elbow <i>For Flanged Inlet, Add</i>	559.58 290.71	32.76
23 21 16 00-0215	EA		3-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow <i>For Flanged Inlet, Add</i>	789.89 433.25	37.87
23 21 16 00-0216	EA		4" Cast Steel, Threaded Inlet, Drip-Pan Elbow <i>For Flanged Inlet, Add</i>	810.61 433.25	42.99
23 21 16 00-0217	EA		5" Cast Steel, Threaded Inlet, Drip-Pan Elbow <i>For Flanged Inlet, Add</i>	1,155.32 646.41	51.18
23 21 16 00-0218	EA		6" Cast Steel, Threaded Inlet, Drip-Pan Elbow <i>For Flanged Inlet, Add</i>	1,206.50 646.41	64.48
23 21 16 00-0219	EA		8" Cast Steel, Threaded Inlet, Drip-Pan Elbow <i>For Flanged Inlet, Add</i>	1,973.61 1,110.06	84.95
<b>23 21 16 00-0220</b>			<b>Pressure Regulating Valve</b> <small>(23 21 16)</small>		
<b>23 21 16 00-0221</b>			<b>Screwed Ends, Iron Body, Water Pressure Reducing Valves</b> <small>(23 21 16 00-0220)</small> Note: For building services, 25 - 75 PSI, up to 300 Lbs. rating		
23 21 16 00-0222	EA		1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	218.46 16.45	13.70
23 21 16 00-0223	EA		3/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	269.47 18.27	15.35
23 21 16 00-0224	EA		1" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	355.27 19.35	16.44
23 21 16 00-0225	EA		1-1/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	610.59 21.93	18.41
23 21 16 00-0226	EA		1-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	829.17 26.31	21.93
23 21 16 00-0227	EA		2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	1,187.90 40.38	33.62
23 21 16 00-0228	EA		2-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	1,292.02 45.43	37.86
23 21 16 00-0229	EA		3" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	1,419.59 50.48	109.54
<b>23 21 16 00-0230</b>			<b>Cast Iron Body, Steam Pressure Regulator And Reducer</b> <small>(23 21 16 00-0220)</small> Note: Single seated, spring loaded, direct acting diaphragm valve.		
<b>23 21 16 00-0231</b>			<b>Screwed Ends, Cast Iron Body, Steam Pressure Regulator And Reducer</b> <small>(23 21 16 00-0230)</small>		
23 21 16 00-0232	EA		1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer <i>For Work In Restricted Working Space, Add</i>	368.31 22.08	18.42
23 21 16 00-0233	EA		3/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer <i>For Work In Restricted Working Space, Add</i>	460.98 31.34	26.10
23 21 16 00-0234	EA		1" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer <i>For Work In Restricted Working Space, Add</i>	592.66 38.26	31.80
23 21 16 00-0235	EA		1-1/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer <i>For Work In Restricted Working Space, Add</i>	793.45 44.46	38.61
23 21 16 00-0236	EA		1-1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer <i>For Work In Restricted Working Space, Add</i>	1,065.75 50.62	43.87
23 21 16 00-0237	EA		2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer <i>For Work In Restricted Working Space, Add</i>	1,246.28 61.41	61.41
<b>23 21 16 00-0238</b>			<b>Flanged, Cast Iron Body, Steam Pressure Regulator And Reducer</b> <small>(23 21 16 00-0230)</small> Note: Single seated, spring loaded, direct acting diaphragm valve.		
23 21 16 00-0239	EA		2-1/2" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer <i>For Work In Restricted Working Space, Add</i>	2,878.54 55.83	148.41
23 21 16 00-0240	EA		3" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer <i>For Work In Restricted Working Space, Add</i>	3,579.56 65.33	174.00
23 21 16 00-0241	EA		4" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer <i>For Work In Restricted Working Space, Add</i>	4,602.59 109.66	291.71
23 21 16 00-0242	EA		6" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer <i>For Work In Restricted Working Space, Add</i>	11,463.63 128.56	341.60
<b>23 21 16 00-0243</b>			<b>Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves</b> <small>(23 21 16 00-0220)</small>		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0244			<b>Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves</b> (23 21 16 00-0243)		
23 21 16 00-0245	EA		1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve ..... <i>For Work In Restricted Working Space, Add</i>	2,087.39 20.07	13.38
23 21 16 00-0246	EA		3/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve ..... <i>For Work In Restricted Working Space, Add</i>	2,131.20 20.07	13.38
23 21 16 00-0247	EA		1" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve ..... <i>For Work In Restricted Working Space, Add</i>	2,270.47 25.34	16.89
23 21 16 00-0248	EA		1-1/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve ..... <i>For Work In Restricted Working Space, Add</i>	2,668.38 32.24	21.49
23 21 16 00-0249	EA		1-1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve ..... <i>For Work In Restricted Working Space, Add</i>	3,054.85 37.18	24.79
23 21 16 00-0250	EA		2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve ..... <i>For Work In Restricted Working Space, Add</i>	3,787.62 43.76	29.17
23 21 16 00-0251			<b>Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves</b> (23 21 16 00-0243)		
23 21 16 00-0252	EA		2-1/2" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve ..... <i>For Work In Restricted Working Space, Add</i>	4,679.84 55.83	148.41
23 21 16 00-0253	EA		3" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve ..... <i>For Work In Restricted Working Space, Add</i>	5,772.90 65.33	174.00
23 21 16 00-0254	EA		4" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve ..... <i>For Work In Restricted Working Space, Add</i>	8,744.47 109.66	291.71
23 21 16 00-0255	EA		6" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve ..... <i>For Work In Restricted Working Space, Add</i>	19,226.35 128.56	341.60
23 21 16 00-0256			<b>Screwed Ends, Cast Iron Body, Air Pressure Reducing Valves</b> (23 21 16 00-0220)		
23 21 16 00-0257	EA		1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve .....	245.37	14.25
23 21 16 00-0258	EA		3/4" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve .....	303.76	15.78
23 21 16 00-0259	EA		1" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve .....	403.09	16.77
23 21 16 00-0260	EA		1-1/4" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve .....	698.97	19.08
23 21 16 00-0261	EA		1-1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve .....	951.05	22.80
23 21 16 00-0262	EA		2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve .....	1,361.09	34.93
23 21 16 00-0263	EA		2-1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve .....	1,474.51	38.06
23 21 16 00-0264	EA		3" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve .....	1,625.34	43.82
23 21 16 00-0265			<b>Screwed Ends, Bronze Body, Water Pressure Reducing Valves</b> (23 21 16 00-0220) Note: For building services, bronze construction, pressure adjustment, union and strainer, factory set at 45 PSI (Watts 25AUB).		
23 21 16 00-0266	EA		1/2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve .....	185.54	13.70
23 21 16 00-0267	EA		3/4" Screwed Ends, Bronze Body, Water Pressure Reducing Valve .....	203.88	15.35
23 21 16 00-0268	EA		1" Screwed Ends, Bronze Body, Water Pressure Reducing Valve .....	253.48	16.99
23 21 16 00-0269	EA		1-1/4" Screwed Ends, Bronze Body, Water Pressure Reducing Valve .....	601.65	18.41
23 21 16 00-0270	EA		1-1/2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve .....	652.00	21.93
23 21 16 00-0271	EA		2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve .....	1,024.60	33.62
23 21 16 00-0272			<b>Plastic Pressure Regulator</b> (23 21 16 00-0220)		
23 21 16 00-0273			<b>Polyvinyl Chloride (PVC) Pressure Regulator Valves</b> (23 21 16 00-0272)		
23 21 16 00-0274	EA		1/4" Polyvinyl Chloride (PVC) Pressure Regulator Valve .....	270.79	16.44
23 21 16 00-0275	EA		1/2" Polyvinyl Chloride (PVC) Pressure Regulator Valve .....	299.48	22.80
23 21 16 00-0276	EA		3/4" Polyvinyl Chloride (PVC) Pressure Regulator Valve .....	532.55	27.41
23 21 16 00-0277	EA		1" Polyvinyl Chloride (PVC) Pressure Regulator Valve .....	600.59	36.61
23 21 16 00-0278	EA		1-1/2" Polyvinyl Chloride (PVC) Pressure Regulator Valve .....	709.72	43.85
23 21 16 00-0279	EA		2" Polyvinyl Chloride (PVC) Pressure Regulator Valve .....	868.56	68.52
23 21 16 00-0280			<b>Polypropylene Pressure Regulator Valves</b> (23 21 16 00-0272)		
23 21 16 00-0281	EA		1/4" Polypropylene Pressure Regulator Valve .....	345.43	16.44
23 21 16 00-0282	EA		1/2" Polypropylene Pressure Regulator Valve .....	423.89	23.02
23 21 16 00-0283	EA		3/4" Polypropylene Pressure Regulator Valve .....	650.99	27.41
23 21 16 00-0284	EA		1" Polypropylene Pressure Regulator Valve .....	769.79	36.61
23 21 16 00-0285	EA		1-1/2" Polypropylene Pressure Regulator Valve .....	898.82	43.85
23 21 16 00-0286	EA		2" Polypropylene Pressure Regulator Valve .....	1,111.41	68.52
23 21 16 00-0287			<b>Teflon (PTFE) Pressure Regulator Valves</b> (23 21 16 00-0272)		
23 21 16 00-0288	EA		1/4" Teflon (PTFE) Pressure Regulator Valve .....	738.57	16.44
23 21 16 00-0289	EA		1/2" Teflon (PTFE) Pressure Regulator Valve .....	846.88	22.80
23 21 16 00-0290	EA		3/4" Teflon Pressure Regulator Valve .....	1,428.31	27.41
23 21 16 00-0291	EA		1" Teflon (PTFE) Pressure Regulator Valve .....	1,974.07	36.61
23 21 16 00-0292	EA		1-1/2" Teflon (PTFE) Pressure Regulator Valve .....	2,381.79	43.85
23 21 16 00-0293	EA		2" Teflon (PTFE) Pressure Regulator Valve .....	3,331.88	68.52
23 21 16 00-0294			<b>Polyvinyl Chloride (PVC), Viton Seals, Pressure Regulator Valves</b> (23 21 16 00-0272)		
23 21 16 00-0295	EA		1/4" Polyvinyl Chloride (PVC), Viton Seals, Pressure Regulator Valve .....	241.53	16.44
23 21 16 00-0296	EA		1/2" Polyvinyl Chloride (PVC), Viton Seals, Pressure Regulator Valve .....	276.73	22.80
23 21 16 00-0297	EA		3/4" Polyvinyl Chloride (PVC), Viton Seals, Pressure Regulator Valve .....	445.75	27.41
23 21 16 00-0298	EA		1" Polyvinyl Chloride (PVC), Viton Seals, Pressure Regulator Valve .....	529.33	36.50

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0299	EA	1-1/2" Polyvinyl Chloride (PVC), Viton Seals, Pressure Regulator Valve .....	616.05	43.85
<b>23 21 16 00-0300</b>		<b>Dual Unit Reducing And Relief Valve (23 21 16)</b>		
23 21 16 00-0301	EA	1/2" Dual Unit Reducing And Relief Valve .....	209.40	33.45
<b>23 21 16 00-0302</b>		<b>Safety Relief Valve (23 21 16)</b>		
		Note: Used in water heater and hot water storage tank applications.		
<b>23 21 16 00-0303</b>		<b>Threaded Inlet, Bronze Body Safety Valves (23 21 16 00-0302)</b>		
		Note: Variable set points to 150 psig pressure, 210 Degree F temperature range.		
23 21 16 00-0304	EA	1/2" x 1/2" Threaded Inlet, Bronze Body Safety Valve .....	77.44	13.70
23 21 16 00-0305	EA	3/4" x 3/4" Threaded Inlet, Bronze Body Safety Valve .....	107.94	15.07
23 21 16 00-0306	EA	1" x 1" Threaded Inlet, Bronze Body Safety Valve .....	156.48	18.36
23 21 16 00-0307	EA	1-1/4" x 1-1/4" Threaded Inlet, Bronze Body Safety Valve.....	203.06	19.46
23 21 16 00-0308	EA	1-1/2" x 1-1/2" Threaded Inlet, Bronze Body Safety Valve.....	279.73	26.04
23 21 16 00-0309	EA	2" x 2" Threaded Inlet, Bronze Body Safety Valve.....	375.96	30.69
23 21 16 00-0310	EA	2-1/2" x 2-1/2" Threaded Inlet, Bronze Body Safety Valve.....	425.72	38.37
<b>23 21 16 00-0311</b>		<b>Plastic Pressure Relief Valves (23 21 16 00-0302)</b>		
<b>23 21 16 00-0312</b>		<b>Polyvinyl Chloride (PVC) Pressure Relief Valves (23 21 16 00-0311)</b>		
23 21 16 00-0313	EA	1/4" Polyvinyl Chloride (PVC) Pressure Relief Valve .....	222.68	16.44
23 21 16 00-0314	EA	1/2" Polyvinyl Chloride (PVC) Pressure Relief Valve.....	244.74	23.02
23 21 16 00-0315	EA	3/4" Polyvinyl Chloride (PVC) Pressure Relief Valve.....	461.23	27.41
23 21 16 00-0316	EA	1" Polyvinyl Chloride (PVC) Pressure Relief Valve.....	545.85	36.73
23 21 16 00-0317	EA	1-1/2" Polyvinyl Chloride (PVC) Pressure Relief Valve.....	709.72	43.85
23 21 16 00-0318	EA	2" Polyvinyl Chloride (PVC) Pressure Relief Valve.....	883.49	68.52
<b>23 21 16 00-0319</b>		<b>Polypropylene Pressure Relief Valves (23 21 16 00-0311)</b>		
23 21 16 00-0320	EA	1/4" Polypropylene Pressure Relief Valve .....	255.86	16.44
23 21 16 00-0321	EA	1/2" Polypropylene Pressure Relief Valve .....	294.50	22.80
23 21 16 00-0322	EA	3/4" Polypropylene Pressure Relief Valve .....	577.34	27.41
23 21 16 00-0323	EA	1" Polypropylene Pressure Relief Valve .....	670.26	36.61
23 21 16 00-0324	EA	1-1/2" Polypropylene Pressure Relief Valve .....	1,182.48	43.85
23 21 16 00-0325	EA	2" Polypropylene Pressure Relief Valve .....	1,447.48	68.52
<b>23 21 16 00-0326</b>		<b>Teflon (PTFE) Pressure Relief Valves (23 21 16 00-0311)</b>		
23 21 16 00-0327	EA	1/4" Teflon (PTFE) Pressure Relief Valve.....	454.91	16.44
23 21 16 00-0328	EA	1/2" Teflon (PTFE) Pressure Relief Valve.....	501.85	22.80
23 21 16 00-0329	EA	3/4" Teflon (PTFE) Pressure Relief Valve.....	950.57	27.41
23 21 16 00-0330	EA	1" Teflon (PTFE) Pressure Relief Valve.....	1,118.13	36.61
23 21 16 00-0331	EA	1-1/2" Teflon (PTFE) Pressure Relief Valve .....	1,829.41	43.85
23 21 16 00-0332	EA	2" Teflon (PTFE) Pressure Relief Valve.....	2,359.82	68.52
<b>23 21 16 00-0333</b>		<b>Polyvinyl Chloride (PVC), Vitron Seals, Pressure Relief Valves (23 21 16 00-0311)</b>		
23 21 16 00-0334	EA	1/2" Polyvinyl Chloride (PVC), Vitron Seals, Pressure Relief Valve.....	230.90	22.80
23 21 16 00-0335	EA	3/4" Polyvinyl Chloride (PVC), Vitron Seals, Pressure Relief Valve.....	263.45	27.41
23 21 16 00-0336	EA	1" Polyvinyl Chloride (PVC), Vitron Seals, Pressure Relief Valve.....	320.72	36.50
23 21 16 00-0337	EA	1-1/2" Polyvinyl Chloride (PVC), Vitron Seals, Pressure Relief Valve.....	411.34	43.85
23 21 16 00-0338	EA	2" Polyvinyl Chloride (PVC), Vitron Seals, Pressure Relief Valve.....	520.16	68.52
<b>23 21 16 00-0339</b>		<b>Threaded, Bronze Body, Temperature And Pressure Relief Valves (23 21 16)</b>		
23 21 16 00-0340	EA	1/2" x 1/2" Threaded, Bronze Body, Temperature And Pressure Relief Valve.....	87.56	27.95
		<i>For Cast Iron Body, Add</i>	52.35	
23 21 16 00-0341	EA	3/4" x 3/4" Threaded, Bronze Body, Temperature And Pressure Relief Valve.....	113.16	33.54
		<i>For Cast Iron Body, Add</i>	72.93	
23 21 16 00-0342	EA	1" x 1" Threaded, Bronze Body, Temperature And Pressure Relief Valve .....	166.01	44.72
		<i>For Cast Iron Body, Add</i>	116.15	
23 21 16 00-0343	EA	1-1/4" x 1-1/4" Threaded, Bronze Body, Temperature And Pressure Relief Valve .....	275.79	47.91
		<i>For Cast Iron Body, Add</i>	246.85	
23 21 16 00-0344	EA	1-1/2" x 1-1/2" Threaded, Bronze Body, Temperature And Pressure Relief Valve .....	465.44	53.72
		<i>For Cast Iron Body, Add</i>	472.21	
23 21 16 00-0345	EA	2" x 2" Threaded, Bronze Body, Temperature And Pressure Relief Valve .....	537.56	77.23
		<i>For Cast Iron Body, Add</i>	514.20	
<b>23 21 16 00-0346</b>		<b>Thermostatic Radiator Valves (23 21 16)</b>		
		Note: For hot water or two pipe low pressure steam.		
23 21 16 00-0347	EA	1/2" Straight Thermostatic Radiator Valve (Danfoss 013G8015).....	73.97	17.69
23 21 16 00-0348	EA	3/4" Straight Thermostatic Radiator Valve (Danfoss 013G8020).....	90.99	23.84
23 21 16 00-0349	EA	1" Straight Thermostatic Radiator Valve (Danfoss 013G8025).....	119.93	28.86
23 21 16 00-0350	EA	1-1/4" Straight Thermostatic Radiator Valve (Danfoss 013G8032).....	182.58	36.56
23 21 16 00-0351	EA	1/2" Angle Thermostatic Radiator Valve (Danfoss 013G8014).....	73.97	17.69
23 21 16 00-0352	EA	3/4" Angle Thermostatic Radiator Valve (Danfoss 013G8019).....	90.99	23.84
23 21 16 00-0353	EA	1" Angle Thermostatic Radiator Valve (Danfoss 013G8024).....	119.93	28.86
23 21 16 00-0354	EA	1-1/4" Angle Thermostatic Radiator Valve (Danfoss 013G8031).....	182.58	36.56
23 21 16 00-0355	EA	Tamper Resistant Valve Mounted Dial And Sensor Thermostatic Operator (Danfoss 013G8240).....	73.72	13.70
23 21 16 00-0356	EA	Tamper Resistant Valve Mounted Dial With Remote Sensor Thermostatic Operator (Danfoss 013G2922).....	122.38	19.20

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0357			<b>ASME Construction Compression Tanks <sup>(23 21 16)</sup></b> Note: With gauge glass taps, 125 PSI, 240 degree F tanks below are sized by capacity and diameter and height. See CSI section 22 12 00 00-0000 for other tanks.		
23 21 16 00-0358	EA		15 Gallon, 13" x 34-1/2" ASME Construction Compression Tank.....	1,056.08	193.03
			<i>For Galvanized Steel Tanks, Add</i>	381.81	
23 21 16 00-0359	EA		24 Gallon, 13" x 51" ASME Construction Compression Tank.....	1,076.47	198.51
			<i>For Galvanized Steel Tanks, Add</i>	387.44	
23 21 16 00-0360	EA		30 Gallon, 13" x 61-1/2" ASME Construction Compression Tank.....	1,176.16	205.09
			<i>For Galvanized Steel Tanks, Add</i>	432.35	
23 21 16 00-0361	EA		40 Gallon, 16-1/4" x 53" ASME Construction Compression Tank.....	1,289.28	212.77
			<i>For Galvanized Steel Tanks, Add</i>	482.88	
23 21 16 00-0362	EA		60 Gallon, 16-1/4" x 76-1/2" ASME Construction Compression Tank.....	1,507.87	224.83
			<i>For Galvanized Steel Tanks, Add</i>	583.95	
23 21 16 00-0363	EA		80 Gallon, 20-1/4" x 68" ASME Construction Compression Tank.....	1,566.59	233.60
			<i>For Galvanized Steel Tanks, Add</i>	606.41	
23 21 16 00-0364	EA		100 Gallon, 20-1/4" x 82" ASME Construction Compression Tank.....	1,945.76	254.44
			<i>For Galvanized Steel Tanks, Add</i>	780.48	
23 21 16 00-0365	EA		120 Gallon, 24-1/4" x 71-1/2" ASME Construction Compression Tank.....	2,120.76	273.08
			<i>For Galvanized Steel Tanks, Add</i>	853.45	
23 21 16 00-0366	EA		144 Gallon, 24-1/4" x 83-1/2" ASME Construction Compression Tank.....	2,644.27	308.18
			<i>For Galvanized Steel Tanks, Add</i>	1,088.79	
23 21 16 00-0367	EA		180 Gallon, 30" x 60" ASME Construction Compression Tank.....	3,364.87	353.14
			<i>For Galvanized Steel Tanks, Add</i>	1,414.95	
23 21 16 00-0368	EA		202 Gallon, 30" x 72" ASME Construction Compression Tank.....	4,036.12	391.52
			<i>For Galvanized Steel Tanks, Add</i>	1,721.66	
23 21 16 00-0369	EA		230 Gallon, 30" x 84" ASME Construction Compression Tank.....	4,414.10	425.52
			<i>For Galvanized Steel Tanks, Add</i>	1,884.49	
23 21 16 00-0370	EA		280 Gallon, 30" x 96" ASME Construction Compression Tank.....	5,588.27	467.20
			<i>For Galvanized Steel Tanks, Add</i>	2,440.36	
23 21 16 00-0371	EA		306 Gallon, 30" x 108" ASME Construction Compression Tank.....	5,762.56	499.01
			<i>For Galvanized Steel Tanks, Add</i>	2,503.11	
23 21 16 00-0372	EA		340 Gallon, 36" x 84" ASME Construction Compression Tank.....	7,444.19	536.29
			<i>For Galvanized Steel Tanks, Add</i>	3,315.91	
23 21 16 00-0373	EA		550 Gallon, 36" x 96" ASME Construction Compression Tank.....	12,443.63	629.51
			<i>For Galvanized Steel Tanks, Add</i>	5,744.99	
23 21 16 00-0374			<b>Compression Tank Air Fittings <sup>(23 21 16)</sup></b>		
23 21 16 00-0375	EA		9" To 24" Diameter Compression Tank Air Fittings.....	164.72	30.70
23 21 16 00-0376	EA		>100 Gallon Compression Tank Air Fittings.....	505.20	36.19
23 21 16 00-0377			<b>Vortex Air Separators With Strainer <sup>(23 21 16)</sup></b> Note: Separators are priced by capacity in gallons per minute and by boiler connection sizes and types.		
23 21 16 00-0378	EA		2" Threaded, 56 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-2N).....	1,264.55	233.60
			<i>For 300 PSIG, Add</i>	136.62	
23 21 16 00-0379	EA		2-1/2" Threaded, 90 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-2-1/2N).....	1,559.48	267.60
			<i>For 300 PSIG, Add</i>	172.99	
23 21 16 00-0380	EA		3" Threaded, 190 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-3N).....	2,373.84	314.76
			<i>For 300 PSIG, Add</i>	284.55	
23 21 16 00-0381	EA		3" Flanged, 190 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-3F).....	2,536.79	333.34
			<i>For 300 PSIG, Add</i>	304.76	
23 21 16 00-0382	EA		4" Flanged, 300 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-4F).....	3,276.40	444.46
			<i>For 300 PSIG, Add</i>	390.45	
23 21 16 00-0383	EA		5" Flanged, 500 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-5F).....	4,125.39	528.63
			<i>For 300 PSIG, Add</i>	498.77	
23 21 16 00-0384	EA		6" Flanged, 700 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-6F).....	4,889.57	598.59
			<i>For 300 PSIG, Add</i>	597.39	
23 21 16 00-0385	EA		8" Flanged, 1,300 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-8F).....	7,005.69	718.12
			<i>For 300 PSIG, Add</i>	887.60	
23 21 16 00-0386	EA		10" Flanged, 2,000 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-10F).....	10,732.53	816.26
			<i>For 300 PSIG, Add</i>	1,424.37	
23 21 16 00-0387	EA		12" Flanged, 2,750 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-12F).....	14,469.25	1,056.28
			<i>For 300 PSIG, Add</i>	1,930.31	
23 21 16 00-0388	EA		14" Flanged, 3400 GPM With Strainer, Vortex Air Separator (Rolairtrol R-14F).....	29,980.61	1,282.69
			<i>For 300 PSIG, Add</i>	4,205.57	
23 21 16 00-0389	EA		16" Flanged, 4400 GPM With Strainer, Vortex Air Separator (Rolairtrol R-16F).....	37,004.37	1,539.23
			<i>For 300 PSIG, Add</i>	5,200.83	
23 21 16 00-0390	EA		18" Flanged, 5200 GPM With Strainer, Vortex Air Separator (Rolairtrol R-16F).....	48,243.80	1,795.77
			<i>For 300 PSIG, Add</i>	6,828.44	
23 21 16 00-0391	EA		20" Flanged, 6300 GPM With Strainer, Vortex Air Separator (Rolairtrol R-20F).....	56,438.45	2,052.31
			<i>For 300 PSIG, Add</i>	7,999.33	
23 21 16 00-0392			<b>Vortex Air Separators <sup>(23 21 16)</sup></b> Note: Without system strainer.		
23 21 16 00-0393	EA		2" Threaded, 56 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-2N).....	1,086.71	233.60
			<i>For 300 PSIG, Add</i>	109.94	
23 21 16 00-0394	EA		2-1/2" Threaded, 90 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-2-1/2N).....	1,365.47	267.60
			<i>For 300 PSIG, Add</i>	143.89	
23 21 16 00-0395	EA		3" Threaded, 190 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-3N).....	2,325.34	314.76
			<i>For 300 PSIG, Add</i>	277.28	
23 21 16 00-0396	EA		3" Flanged, 190 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-3F).....	2,111.04	333.34
			<i>For 300 PSIG, Add</i>	240.90	
23 21 16 00-0397	EA		4" Flanged, 300 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-4F).....	2,829.10	444.46
			<i>For 300 PSIG, Add</i>	323.35	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0398	EA		5" Flanged, 530 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-5F) <i>For 300 PSIG, Add</i>	3,656.53 428.44	528.63
23 21 16 00-0399	EA		6" Flanged, 850 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-6F) <i>For 300 PSIG, Add</i>	4,253.64 502.00	598.59
23 21 16 00-0400	EA		8" Flanged, 1,900 GPM Vortex Air Separator (Rolairtrol RL-8F) <i>For 300 PSIG, Add</i>	5,647.61 683.89	718.12
23 21 16 00-0401	EA		10" Flanged, 3,600 GPM Vortex Air Separator (Rolairtrol RL-10F) <i>For 300 PSIG, Add</i>	7,827.75 988.65	816.26
23 21 16 00-0402	EA		12" Flanged, 4,800 GPM Vortex Air Separator (Rolairtrol RL-12F) <i>For 300 PSIG, Add</i>	12,028.61 1,564.22	1,056.28
23 21 16 00-0403	EA		14" Flanged, 6,100 GPM Vortex Air Separator (Rolairtrol RL-14F) <i>For 300 PSIG, Add</i>	20,389.48 2,766.90	1,282.69
23 21 16 00-0404	EA		16" Flanged, 8,000 GPM Vortex Air Separator (Rolairtrol RL-16F) <i>For 300 PSIG, Add</i>	25,816.57 3,522.66	1,539.23
23 21 16 00-0405	EA		18" Flanged, 9,700 GPM Vortex Air Separator (Rolairtrol RL-18F) <i>For 300 PSIG, Add</i>	34,472.49 4,762.74	1,795.77
23 21 16 00-0406	EA		20" Flanged, 12,000 GPM Vortex Air Separator (Rolairtrol RL-20F) <i>For 300 PSIG, Add</i>	47,073.52 6,594.59	2,052.31
23 21 16 00-0407	EA		22" Flanged, 15,000 GPM Vortex Air Separator (Rolairtrol RL-22F) <i>For 300 PSIG, Add</i>	57,611.07 8,116.92	2,308.85
23 21 16 00-0408	EA		24" Flanged, 17,000 GPM Vortex Air Separator (Rolairtrol RL-24F) <i>For 300 PSIG, Add</i>	68,148.61 9,639.25	2,565.38
<b>23 21 16 00-0409</b>			<b>Grooved, With Strainer, Vortex Air Separators</b> <small>(23 21 16)</small>		
23 21 16 00-0410	EA		3" Grooved, 190 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-3G)	2,220.22	266.67
23 21 16 00-0411	EA		4" Grooved, 300 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-4G)	3,141.38	355.34
23 21 16 00-0412	EA		5" Grooved, 500 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-5G)	3,965.32	422.51
23 21 16 00-0413	EA		6" Grooved, 700 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-6G)	4,708.12	478.88
23 21 16 00-0414	EA		8" Grooved, 1,300 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-8G)	6,777.24	574.65
23 21 16 00-0415	EA		10" Grooved, 2,000 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-10G)	10,905.52	653.01
23 21 16 00-0416	EA		12" Grooved, 2,750 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-12G)	16,577.46	845.12
<b>23 21 16 00-0417</b>			<b>Grooved Vortex Air Separators</b> <small>(23 21 16)</small>		
			Note: Without system strainer.		
23 21 16 00-0418	EA		3" Grooved, 190 GPM Vortex Air Separator (Rolairtrol RL-3G)	1,778.31	266.67
23 21 16 00-0419	EA		4" Grooved, 300 GPM Vortex Air Separator (Rolairtrol RL-4G)	2,694.08	355.34
23 21 16 00-0420	EA		5" Grooved, 530 GPM Vortex Air Separator (Rolairtrol RL-5G)	3,496.46	422.51
23 21 16 00-0421	EA		6" Grooved, 850 GPM Vortex Air Separator (Rolairtrol RL-6G)	4,072.19	478.88
23 21 16 00-0422	EA		8" Grooved, 1,900 GPM Vortex Air Separator (Rolairtrol RL-8G)	5,429.94	574.65
23 21 16 00-0423	EA		10" Grooved, 3,600 GPM Vortex Air Separator (Rolairtrol RL-10G)	7,957.63	653.01
23 21 16 00-0424	EA		12" Grooved, 4,800 GPM Vortex Air Separator (Rolairtrol RL-12G)	13,177.87	845.12
<b>23 21 16 00-0425</b>			<b>Removable Head, Air Eliminator And Dirt Separator</b> <small>(23 21 16)</small>		
			Note: Spirovent VDN.		
23 21 16 00-0426	EA		2", 45 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	3,600.98	233.60
23 21 16 00-0427	EA		2-1/2", 70 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	3,899.67	267.60
23 21 16 00-0428	EA		3", 95 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	5,205.61	314.76
23 21 16 00-0429	EA		4", 170 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	5,953.76	482.55
23 21 16 00-0430	EA		5", 260 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	8,694.12	596.61
23 21 16 00-0431	EA		6", 375 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	11,186.09	675.58
23 21 16 00-0432	EA		8", 625 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	17,460.41	152.45
23 21 16 00-0433	EA		10", 950 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	25,771.98	921.24
23 21 16 00-0434	EA		12", 1,400 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	33,310.19	1,192.13
<b>23 21 16 00-0435</b>			<b>Air Eliminator And Dirt Separator</b> <small>(23 21 16)</small>		
			Note: Spirovent VDT.		
23 21 16 00-0436	EA		2", 45 GPM, Air Eliminator And Dirt Separator (Spirotherm VDT)	3,539.51	233.60
23 21 16 00-0437	EA		2-1/2", 70 GPM, Air Eliminator And Dirt Separator (Spirotherm VDT)	3,910.32	267.60
23 21 16 00-0438	EA		3", 95 GPM, Air Eliminator And Dirt Separator (Spirotherm VDT)	4,293.77	289.91
23 21 16 00-0439	EA		4", 170 GPM, Air Eliminator And Dirt Separator (Spirotherm VDT)	4,843.49	444.46
23 21 16 00-0440	EA		5", 260 GPM, Air Eliminator And Dirt Separator (Spirotherm VDT)	5,595.78	528.63
23 21 16 00-0441	EA		6", 375 GPM, Air Eliminator And Dirt Separator (Spirotherm VDT)	6,062.12	598.59
<b>23 21 16 00-0442</b>			<b>High Velocity, Air Eliminator And Dirt Separator (Spirotherm)</b> <small>(23 21 16)</small>		
23 21 16 00-0443	EA		2", 105 GPM, High Velocity, Flanged, Air Eliminator And Dirt Separator (Spirotherm VHT)	3,857.91	233.60
23 21 16 00-0444	EA		2-1/2", 155 GPM, High Velocity, Flanged, Air Eliminator And Dirt Separator (Spirotherm VHT)	7,060.02	267.60
23 21 16 00-0445	EA		3", 225 GPM, High Velocity, Flanged, Air Eliminator And Dirt Separator (Spirotherm VHT)	7,317.76	289.91
23 21 16 00-0446	EA		4", 405 GPM, High Velocity, Flanged, Air Eliminator And Dirt Separator (Spirotherm VHT)	8,239.85	444.46
23 21 16 00-0447	EA		5", 630 GPM, High Velocity, Flanged, Air Eliminator And Dirt Separator (Spirotherm VHT)	9,581.87	581.67
23 21 16 00-0448	EA		6", 910 GPM, High Velocity, Flanged, Air Eliminator And Dirt Separator (Spirotherm VHT)	10,351.87	658.66
<b>23 21 16 00-0449</b>			<b>Swivel Joints</b> <small>(23 21 16)</small>		
<b>23 21 16 00-0450</b>			<b>Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)</b> <small>(23 21 16 00-0449)</small>		
			Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.		
23 21 16 00-0451	EA		1" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	323.89	28.84
23 21 16 00-0452	EA		1-1/2" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	465.47	42.22
23 21 16 00-0453	EA		2" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	651.69	49.35
23 21 16 00-0454	EA		3" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	972.98	84.45

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	16 00-0455	EA	4" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	1,232.57	95.96
			<i>For Stainless Steel, Add</i>	1,560.96	
23 21	16 00-0456	EA	2" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	910.07	146.19
			<i>For Stainless Steel, Add</i>	1,090.92	
23 21	16 00-0457	EA	3" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	1,229.17	116.63
23 21	16 00-0458	EA	4" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	1,569.47	312.56
23 21	16 00-0459	EA	6" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	2,902.00	394.82
<b>23 21</b>	<b>16 00-0460</b>		<b>Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30) <sup>(23 21 16 00-0460)</sup></b>		
			Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.		
23 21	16 00-0461	EA	1" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	411.43	28.84
			<i>For Stainless Steel, Add</i>	530.57	
23 21	16 00-0462	EA	1-1/2" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	506.82	42.22
			<i>For Stainless Steel, Add</i>	633.68	
23 21	16 00-0463	EA	2" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	682.37	49.35
			<i>For Stainless Steel, Add</i>	874.01	
23 21	16 00-0464	EA	3" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	1,097.03	84.45
			<i>For Stainless Steel, Add</i>	1,392.45	
23 21	16 00-0465	EA	4" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	1,435.18	95.96
			<i>For Stainless Steel, Add</i>	1,864.88	
23 21	16 00-0466	EA	2" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	938.11	146.19
			<i>For Stainless Steel, Add</i>	1,132.98	
23 21	16 00-0467	EA	3" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	1,389.75	116.63
			<i>For Stainless Steel, Add</i>	1,734.62	
23 21	16 00-0468	EA	4" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	1,754.85	312.56
			<i>For Stainless Steel, Add</i>	2,044.74	
23 21	16 00-0469	EA	6" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	3,030.02	394.82
			<i>For Stainless Steel, Add</i>	3,802.10	
<b>23 21</b>	<b>16 00-0470</b>		<b>Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40) <sup>(23 21 16 00-0470)</sup></b>		
			Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.		
23 21	16 00-0471	EA	1" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	483.69	28.84
			<i>For Stainless Steel, Add</i>	638.96	
23 21	16 00-0472	EA	1-1/2" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	561.95	42.22
			<i>For Stainless Steel, Add</i>	716.37	
23 21	16 00-0473	EA	2" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	820.95	49.35
			<i>For Stainless Steel, Add</i>	1,081.88	
23 21	16 00-0474	EA	3" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	1,263.81	84.45
			<i>For Stainless Steel, Add</i>	1,642.62	
23 21	16 00-0475	EA	4" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	1,490.31	95.96
			<i>For Stainless Steel, Add</i>	1,947.57	
23 21	16 00-0476	EA	2" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	1,075.94	146.19
			<i>For Stainless Steel, Add</i>	1,339.73	
23 21	16 00-0477	EA	3" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	1,560.66	116.63
			<i>For Stainless Steel, Add</i>	1,990.98	
23 21	16 00-0478	EA	4" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	1,931.27	312.56
			<i>For Stainless Steel, Add</i>	2,309.37	
23 21	16 00-0479	EA	6" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	3,409.06	394.82
			<i>For Stainless Steel, Add</i>	4,370.66	
<b>23 21</b>	<b>16 00-0480</b>		<b>Basket Strainers <sup>(23 21 16 00-0480)</sup></b>		
<b>23 21</b>	<b>16 00-0481</b>		<b>Bronze Body Basket Strainers <sup>(23 21 16 00-0481)</sup></b>		
<b>23 21</b>	<b>16 00-0482</b>		<b>Screwed Ends, Bronze Body Basket Strainers <sup>(23 21 16 00-0482)</sup></b>		
23 21	16 00-0483	EA	1/2" Screwed Ends, Bronze Body Basket Strainer.....	283.63	21.94
			<i>For Work In Restricted Working Space, Add</i>	13.06	
23 21	16 00-0484	EA	3/4" Screwed Ends, Bronze Body Basket Strainer.....	335.18	25.78
			<i>For Work In Restricted Working Space, Add</i>	15.34	
23 21	16 00-0485	EA	1" Screwed Ends, Bronze Body Basket Strainer.....	388.93	30.70
			<i>For Work In Restricted Working Space, Add</i>	18.28	
23 21	16 00-0486	EA	1-1/4" Screwed Ends, Bronze Body Basket Strainer.....	483.81	34.00
			<i>For Work In Restricted Working Space, Add</i>	20.38	
23 21	16 00-0487	EA	1-1/2" Screwed Ends, Bronze Body Basket Strainer.....	571.05	38.38
			<i>For Work In Restricted Working Space, Add</i>	23.01	
23 21	16 00-0488	EA	2" Screwed Ends, Bronze Body Basket Strainer.....	848.97	43.87
			<i>For Work In Restricted Working Space, Add</i>	26.35	
23 21	16 00-0489	EA	2-1/2" Screwed Ends, Bronze Body Basket Strainer.....	1,200.50	58.68
			<i>For Work In Restricted Working Space, Add</i>	35.29	
23 21	16 00-0490	EA	3" Screwed Ends, Bronze Body Basket Strainer.....	1,686.28	62.51
			<i>For Work In Restricted Working Space, Add</i>	37.43	
<b>23 21</b>	<b>16 00-0491</b>		<b>Flanged, Bronze Body Basket Strainers <sup>(23 21 16 00-0491)</sup></b>		
23 21	16 00-0492	EA	2" Flanged, Bronze Body Basket Strainer.....	1,336.27	146.19
			<i>For Work In Restricted Working Space, Add</i>	54.84	
23 21	16 00-0493	EA	2-1/2" Flanged, Bronze Body Basket Strainer.....	2,004.16	159.03
			<i>For Work In Restricted Working Space, Add</i>	59.82	
23 21	16 00-0494	EA	3" Flanged, Bronze Body Basket Strainer.....	2,273.50	186.45
			<i>For Work In Restricted Working Space, Add</i>	70.00	
23 21	16 00-0495	EA	4" Flanged, Bronze Body Basket Strainer.....	3,844.27	312.56
			<i>For Work In Restricted Working Space, Add</i>	117.51	
23 21	16 00-0496	EA	6" Flanged, Bronze Body Basket Strainer.....	7,265.54	349.83
			<i>For Work In Restricted Working Space, Add</i>	131.66	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0497	EA		8" Flanged, Bronze Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	13,227.82 166.58	447.00
<b>23 21 16 00-0498</b>			<b>Iron Body Basket Strainers</b> (23 21 16 00-0480)		
<b>23 21 16 00-0499</b>			<b>Screwed Ends, Iron Body Basket Strainers</b> (23 21 16 00-0498)		
23 21 16 00-0500	EA		1/2" Screwed Ends, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	356.77 13.06	21.94
23 21 16 00-0501	EA		3/4" Screwed Ends, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	401.74 15.34	25.78
23 21 16 00-0502	EA		1" Screwed Ends, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	474.76 18.28	30.70
23 21 16 00-0503	EA		1-1/4" Screwed Ends, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	622.58 20.38	34.00
23 21 16 00-0504	EA		1-1/2" Screwed Ends, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	683.08 23.01	38.38
23 21 16 00-0505	EA		2" Screwed Ends, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	812.04 26.35	43.87
23 21 16 00-0506	EA		2-1/2" Screwed Ends, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,152.23 35.29	58.68
23 21 16 00-0507	EA		3" Screwed Ends, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,303.05 37.43	62.51
<b>23 21 16 00-0508</b>			<b>Flanged, Iron Body Basket Strainers</b> (23 21 16 00-0498)		
23 21 16 00-0509	EA		2" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	808.35 54.84	146.19
23 21 16 00-0510	EA		2-1/2" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,042.55 59.82	159.03
23 21 16 00-0511	EA		3" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,130.88 70.00	186.45
23 21 16 00-0512	EA		4" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,742.54 117.51	312.56
23 21 16 00-0513	EA		6" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	3,068.02 131.66	349.83
23 21 16 00-0514	EA		8" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	5,405.64 166.58	447.00
23 21 16 00-0515	EA		10" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	7,978.42 204.06	544.17
23 21 16 00-0516	EA		12" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	10,030.09 411.59	686.05
23 21 16 00-0517	EA		14" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	11,896.39 291.52	777.39
23 21 16 00-0518	EA		16" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	12,492.20 320.67	855.13
<b>23 21 16 00-0519</b>			<b>Cast Steel Body Basket Strainers</b> (23 21 16 00-0480)		
<b>23 21 16 00-0520</b>			<b>Screwed Ends, Cast Steel Body Basket Strainers</b> (23 21 16 00-0519)		
23 21 16 00-0521	EA		1" Screwed Ends, Cast Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	611.70 18.28	30.70
23 21 16 00-0522	EA		1-1/4" Screwed Ends, Cast Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	803.06 20.38	34.00
23 21 16 00-0523	EA		1-1/2" Screwed Ends, Cast Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	905.16 23.00	38.38
23 21 16 00-0524	EA		2" Screwed Ends, Cast Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,266.37 26.35	43.87
23 21 16 00-0525	EA		2-1/2" Screwed Ends, Cast Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,774.59 35.29	58.68
23 21 16 00-0526	EA		3" Screwed Ends, Cast Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	2,295.19 37.44	62.51
<b>23 21 16 00-0527</b>			<b>Flanged, Cast Steel Body Basket Strainers</b> (23 21 16 00-0519)		
23 21 16 00-0528	EA		2" Flanged, Cast Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,898.10 54.84	146.19
23 21 16 00-0529	EA		2-1/2" Flanged, Cast Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	2,708.19 59.82	159.03
23 21 16 00-0530	EA		3" Flanged, Cast Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	2,975.51 70.00	186.45
23 21 16 00-0531	EA		4" Flanged, Cast Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	4,242.39 117.51	312.56
23 21 16 00-0532	EA		6" Flanged, Cast Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	7,381.79 131.66	349.83
23 21 16 00-0533	EA		8" Flanged, Cast Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	11,932.36 166.58	447.00
<b>23 21 16 00-0534</b>			<b>Stainless Steel Body Basket Strainers</b> (23 21 16 00-0480)		
<b>23 21 16 00-0535</b>			<b>Screwed Ends, Stainless Steel Body Basket Strainers</b> (23 21 16 00-0534)		
23 21 16 00-0536	EA		1" Screwed Ends, Stainless Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	466.72 18.28	30.70
23 21 16 00-0537	EA		1-1/4" Screwed Ends, Stainless Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	668.58 20.38	34.00

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 21 16 00-0538	EA 1-1/2" Screwed Ends, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	691.39 23.00	38.38
23 21 16 00-0539	EA 2" Screwed Ends, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	1,017.92 26.35	43.87
23 21 16 00-0540	EA 2-1/2" Screwed Ends, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	1,437.44 35.29	58.68
23 21 16 00-0541	EA 3" Screwed Ends, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	2,023.16 37.44	62.51
<b>23 21 16 00-0542</b>	<b>Flanged, Stainless Steel Body Basket Strainers (23 21 16 00-0534)</b>		
23 21 16 00-0543	EA 2" Flanged, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	1,566.89 54.84	146.19
23 21 16 00-0544	EA 2-1/2" Flanged, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	2,354.91 59.82	159.03
23 21 16 00-0545	EA 3" Flanged, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	2,668.08 70.00	186.45
23 21 16 00-0546	EA 4" Flanged, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	4,509.85 117.51	312.56
23 21 16 00-0547	EA 6" Flanged, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	6,867.20 131.66	349.83
23 21 16 00-0548	EA 8" Flanged, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	11,885.25 166.58	447.00
<b>23 21 16 00-0549</b>	<b>Plastic Basket Strainers (23 21 16 00-0480)</b>		
<b>23 21 16 00-0550</b>	<b>Screwed Or Socket Ends, Simplex, Plastic Basket Strainers (23 21 16 00-0549)</b>		
<b>23 21 16 00-0551</b>	<b>Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainers (23 21 16 00-0550)</b>		
23 21 16 00-0552	EA 1/2" Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainer <i>For Work In Restricted Working Space, Add</i>	272.98 13.06	15.36
23 21 16 00-0553	EA 3/4" Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainer <i>For Work In Restricted Working Space, Add</i>	280.59 15.34	17.88
23 21 16 00-0554	EA 1" Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainer <i>For Work In Restricted Working Space, Add</i>	290.39 18.28	21.27
23 21 16 00-0555	EA 1-1/2" Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainer <i>For Work In Restricted Working Space, Add</i>	471.10 23.00	26.87
23 21 16 00-0556	EA 2" Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainer <i>For Work In Restricted Working Space, Add</i>	489.68 26.35	30.70
23 21 16 00-0557	EA 3" Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainer <i>For Work In Restricted Working Space, Add</i>	1,035.17 37.44	43.87
23 21 16 00-0558	EA 4" Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainer <i>For Work In Restricted Working Space, Add</i>	1,370.05 49.34	57.58
<b>23 21 16 00-0559</b>	<b>Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainers (23 21 16 00-0550)</b>		
23 21 16 00-0560	EA 1/2" Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer <i>For Work In Restricted Working Space, Add</i>	1,219.79 13.06	15.36
23 21 16 00-0561	EA 3/4" Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer <i>For Work In Restricted Working Space, Add</i>	1,227.40 15.34	17.88
23 21 16 00-0562	EA 1" Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer <i>For Work In Restricted Working Space, Add</i>	1,237.20 18.28	21.27
23 21 16 00-0563	EA 1-1/2" Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer <i>For Work In Restricted Working Space, Add</i>	2,171.01 23.00	26.87
23 21 16 00-0564	EA 2" Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer <i>For Work In Restricted Working Space, Add</i>	2,223.14 26.35	30.70
23 21 16 00-0565	EA 3" Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer <i>For Work In Restricted Working Space, Add</i>	883.01 37.44	43.87
23 21 16 00-0566	EA 4" Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer <i>For Work In Restricted Working Space, Add</i>	6,074.52 49.34	57.58
<b>23 21 16 00-0567</b>	<b>Flanged, Simplex, Plastic Basket Strainers (23 21 16 00-0549)</b>		
<b>23 21 16 00-0568</b>	<b>Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainers (23 21 16 00-0567)</b>		
23 21 16 00-0569	EA 1" Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainer <i>For Work In Restricted Working Space, Add</i>	454.81 57.56	95.96
23 21 16 00-0570	EA 1-1/2" Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainer <i>For Work In Restricted Working Space, Add</i>	689.42 65.81	109.67
23 21 16 00-0571	EA 2" Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainer <i>For Work In Restricted Working Space, Add</i>	734.28 76.66	127.77
23 21 16 00-0572	EA 3" Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainer <i>For Work In Restricted Working Space, Add</i>	1,326.04 70.00	186.45
23 21 16 00-0573	EA 4" Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainer <i>For Work In Restricted Working Space, Add</i>	1,816.79 117.51	312.56
23 21 16 00-0574	EA 6" Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainer <i>For Work In Restricted Working Space, Add</i>	3,535.27 148.59	394.82
23 21 16 00-0575	EA 8" Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainer <i>For Work In Restricted Working Space, Add</i>	4,632.86 188.01	504.49
<b>23 21 16 00-0576</b>	<b>Flanged, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainers (23 21 16 00-0567)</b>		
23 21 16 00-0577	EA 1-1/2" Flanged, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer <i>For Work In Restricted Working Space, Add</i>	2,575.99 65.81	109.67



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0578	EA		2" Flanged, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer ..... <i>For Work In Restricted Working Space, Add</i>	2,661.34 76.66	127.77
23 21 16 00-0579	EA		3" Flanged, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer ..... <i>For Work In Restricted Working Space, Add</i>	5,930.26 70.00	186.45
23 21 16 00-0580	EA		4" Flanged, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer ..... <i>For Work In Restricted Working Space, Add</i>	7,371.44 117.51	312.56
<b>23 21 16 00-0581</b>			<b>Screwed Or Socket Ends, Duplex, Plastic Basket Strainers</b> <small>(23 21 16 00-0549)</small>		
<b>23 21 16 00-0582</b>			<b>Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainers</b> <small>(23 21 16 00-0581)</small>		
23 21 16 00-0583	EA		1/2" Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainer ..... <i>For Work In Restricted Working Space, Add</i>	1,132.50 13.06	15.36
23 21 16 00-0584	EA		3/4" Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainer ..... <i>For Work In Restricted Working Space, Add</i>	1,140.11 15.34	17.88
23 21 16 00-0585	EA		1" Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainer ..... <i>For Work In Restricted Working Space, Add</i>	1,149.91 18.28	21.27
23 21 16 00-0586	EA		1-1/2" Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainer ..... <i>For Work In Restricted Working Space, Add</i>	1,772.17 23.00	26.87
23 21 16 00-0587	EA		2" Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainer ..... <i>For Work In Restricted Working Space, Add</i>	1,783.31 26.35	30.70
23 21 16 00-0588	EA		3" Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainer ..... <i>For Work In Restricted Working Space, Add</i>	3,953.60 37.44	43.87
23 21 16 00-0589	EA		4" Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainer ..... <i>For Work In Restricted Working Space, Add</i>	5,214.98 49.34	57.58
<b>23 21 16 00-0590</b>			<b>Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainers</b> <small>(23 21 16 00-0581)</small>		
23 21 16 00-0591	EA		1/2" Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer ..... <i>For Work In Restricted Working Space, Add</i>	5,433.05 13.06	15.36
23 21 16 00-0592	EA		3/4" Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer ..... <i>For Work In Restricted Working Space, Add</i>	5,440.66 15.34	17.88
23 21 16 00-0593	EA		1" Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer ..... <i>For Work In Restricted Working Space, Add</i>	5,450.46 18.28	21.27
23 21 16 00-0594	EA		1-1/2" Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer ..... <i>For Work In Restricted Working Space, Add</i>	8,482.70 23.00	26.87
23 21 16 00-0595	EA		2" Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer ..... <i>For Work In Restricted Working Space, Add</i>	8,493.84 26.35	30.70
23 21 16 00-0596	EA		3" Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer ..... <i>For Work In Restricted Working Space, Add</i>	16,613.06 37.44	43.87
23 21 16 00-0597	EA		4" Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer ..... <i>For Work In Restricted Working Space, Add</i>	25,005.49 49.34	57.58
<b>23 21 16 00-0598</b>			<b>Flanged, Duplex, Plastic Basket Strainers</b> <small>(23 21 16 00-0549)</small>		
<b>23 21 16 00-0599</b>			<b>Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainers</b> <small>(23 21 16 00-0598)</small>		
23 21 16 00-0600	EA		1/2" Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainer ..... <i>For Work In Restricted Working Space, Add</i>	1,196.05 24.68	41.12
23 21 16 00-0601	EA		3/4" Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainer ..... <i>For Work In Restricted Working Space, Add</i>	1,223.46 32.90	54.84
23 21 16 00-0602	EA		1" Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainer ..... <i>For Work In Restricted Working Space, Add</i>	1,305.66 57.56	95.96
23 21 16 00-0603	EA		1-1/2" Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainer ..... <i>For Work In Restricted Working Space, Add</i>	1,979.34 65.81	109.67
23 21 16 00-0604	EA		2" Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainer ..... <i>For Work In Restricted Working Space, Add</i>	2,015.51 76.66	127.77
23 21 16 00-0605	EA		3" Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainer ..... <i>For Work In Restricted Working Space, Add</i>	4,198.58 70.00	186.45
23 21 16 00-0606	EA		4" Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainer ..... <i>For Work In Restricted Working Space, Add</i>	5,614.59 117.51	312.56
<b>23 21 16 00-0607</b>			<b>Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainers</b> <small>(23 21 16 00-0598)</small>		
23 21 16 00-0608	EA		1/2" Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer ..... <i>For Work In Restricted Working Space, Add</i>	5,586.53 24.67	41.12
23 21 16 00-0609	EA		3/4" Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer ..... <i>For Work In Restricted Working Space, Add</i>	5,613.92 32.89	54.84
23 21 16 00-0610	EA		1" Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer ..... <i>For Work In Restricted Working Space, Add</i>	5,696.16 57.56	95.96
23 21 16 00-0611	EA		1-1/2" Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer ..... <i>For Work In Restricted Working Space, Add</i>	8,928.66 65.81	109.67
23 21 16 00-0612	EA		2" Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer ..... <i>For Work In Restricted Working Space, Add</i>	8,964.83 76.66	127.77
23 21 16 00-0613	EA		3" Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer ..... <i>For Work In Restricted Working Space, Add</i>	20,303.69 70.00	186.45
23 21 16 00-0614	EA		4" Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer ..... <i>For Work In Restricted Working Space, Add</i>	26,310.60 117.51	312.56
<b>23 21 16 00-0615</b>			<b>Plastic Strainer Baskets</b> <small>(23 21 16 00-0549)</small>		
<b>23 21 16 00-0616</b>			<b>Polyvinyl Chloride (PVC) Strainer Baskets</b> <small>(23 21 16 00-0615)</small>		
23 21 16 00-0617	EA		1/2", 3/4" Or 1" Polyvinyl Chloride (PVC) Strainer Basket .....	96.87	
23 21 16 00-0618	EA		1-1/2", Or 2" Polyvinyl Chloride (PVC) Strainer Basket.....	118.82	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 21 16 00-0619	EA	3" Polyvinyl Chloride (PVC) Strainer Basket.....	266.66	
23 21 16 00-0620	EA	4" Polyvinyl Chloride (PVC) Strainer Basket.....	302.63	
<b>23 21 16 00-0621</b>		<b>Chlorinated Polyvinyl Chloride (CPVC) Strainer Baskets</b> <small>(23 21 16 00-0615)</small>		
23 21 16 00-0622	EA	1/2", 3/4" Or 1" Chlorinated Polyvinyl Chloride (CPVC) Strainer Basket.....	471.33	
23 21 16 00-0623	EA	1-1/2" Or 2" Chlorinated Polyvinyl Chloride (CPVC) Strainer Basket.....	590.18	
23 21 16 00-0624	EA	3" Chlorinated Polyvinyl Chloride (CPVC) Strainer Basket.....	1,311.52	
23 21 16 00-0625	EA	4" Chlorinated Polyvinyl Chloride (CPVC) Strainer Basket.....	1,454.97	
<b>23 21 16 00-0626</b>		<b>Air Vents</b> <small>(23 21 16)</small>		
<b>23 21 16 00-0627</b>		<b>Screwed Ends, Cast Iron, Automatic Air Vents</b> <small>(23 21 16 00-0626)</small>		
		Note: With guided free floating lever.		
23 21 16 00-0628	EA	1/2" NPT, Cast Iron, Automatic Air Vent.....	379.80	31.80
23 21 16 00-0629	EA	3/4" NPT, Cast Iron, Automatic Air Vent.....	463.20	42.22
23 21 16 00-0630	EA	1" NPT, Cast Iron, Automatic Air Vent.....	1,090.45	43.87
23 21 16 00-0631	EA	1-1/4" NPT, Cast Iron, Automatic Air Vent.....	1,615.24	67.78
23 21 16 00-0632	EA	1-1/2" NPT, Cast Iron, Automatic Air Vent.....	2,719.60	72.93
23 21 16 00-0633	EA	2" NPT, Cast Iron, Automatic Air Vent.....	3,114.56	96.19
<b>23 21 16 00-0634</b>		<b>Forged Steel, Stainless Steel Internals, Automatic Air Vents</b> <small>(23 21 16 00-0626)</small>		
		Note: With guided free floating lever.		
23 21 16 00-0635	EA	1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent.....	1,925.78	36.74
23 21 16 00-0636	EA	3/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent.....	2,413.64	42.22
23 21 16 00-0637	EA	1" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent.....	2,880.16	43.87
23 21 16 00-0638	EA	1-1/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent.....	4,725.76	68.00
23 21 16 00-0639	EA	1-1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent.....	5,458.21	72.93
23 21 16 00-0640	EA	2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent.....	8,024.61	95.96
<b>23 21 16 00-0641</b>		<b>Manual Air Vent</b> <small>(23 21 16 00-0626)</small>		
23 21 16 00-0642	EA	Manual Air Vent.....	86.04	39.59
<b>23 21 16 00-0643</b>		<b>Automatic Air Vent</b> <small>(23 21 16 00-0626)</small>		
23 21 16 00-0644	EA	3/4" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR).....	212.29	42.22
23 21 16 00-0645	EA	1" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR).....	231.89	43.87
23 21 16 00-0646	EA	1-1/4" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR).....	329.69	67.78
23 21 16 00-0647	EA	1-1/2" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR).....	405.01	72.93
23 21 16 00-0648	EA	2" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR).....	513.55	78.59
<b>23 21 16 00-0649</b>		<b>Air Release Valves</b> <small>(23 21 16 00-0626)</small>		
<b>23 21 16 00-0650</b>		<b>Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50)</b> <small>(23 21 16 00-0649)</small>		
		Note: Up to 175 psi. Stainless steel float.		
23 21 16 00-0651	EA	1/2" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50).....	178.08	16.45
23 21 16 00-0652	EA	3/4" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50).....	182.47	18.64
23 21 16 00-0653	EA	1" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50).....	191.24	23.03
<b>23 21 16 00-0654</b>		<b>Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200)</b> <small>(23 21 16 00-0649)</small>		
		Note: Up to 175 psi. Stainless steel float.		
23 21 16 00-0655	EA	1" NPT, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200A).....	724.48	23.03
23 21 16 00-0656	EA	2" NPT, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200).....	870.47	40.03
23 21 16 00-0657	EA	3" Flanged, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200).....	1,142.13	93.33
<b>23 21 16 00-0658</b>		<b>Cast Iron, Air/Vacuum Valves</b> <small>(23 21 16 00-0649)</small>		
		Note: Up to 150 psi. Stainless steel float.		
23 21 16 00-0659	EA	1/2" NPT, Cast Iron, Air/Vacuum Valve (Apco 141).....	350.91	16.45
23 21 16 00-0660	EA	1" NPT, Cast Iron, Air/Vacuum Valve (Apco 142).....	433.20	23.03
23 21 16 00-0661	EA	2" NPT, Cast Iron, Air/Vacuum Valve (Apco 144).....	748.34	40.03
23 21 16 00-0662	EA	3" Flanged, Cast Iron, Air/Vacuum Valve (Apco 146).....	1,086.82	93.33
23 21 16 00-0663	EA	4" Flanged, Cast Iron, Air/Vacuum Valve (Apco 152).....	1,700.61	156.68
23 21 16 00-0664	EA	6" Flanged Cast Iron Air Release Valve (APCO 153).....	2,586.61	198.12
<b>23 21 16 00-0665</b>		<b>Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice</b> <small>(23 21 16 00-0649)</small>		
		Note: Up to 150 psi. Stainless Steel float.		
23 21 16 00-0666	EA	1" NPT, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 143C).....	626.77	23.03
23 21 16 00-0667	EA	2" NPT, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 145C).....	962.65	40.03
23 21 16 00-0668	EA	3" Flanged, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 147C).....	1,766.62	93.33
23 21 16 00-0669	EA	4" Flanged, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 149C).....	2,292.84	156.68
<b>23 21 23</b>		<b>Hydronic Pumps</b> <small>(23 21)</small>		
<b>23 21 23 13</b>		<b>In-Line Centrifugal Hydronic Pumps</b> <small>(23 21 23)</small>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>23 21 23 13-0001 Cast Iron Single Stage In-Line Centrifugal Pump <sup>(23 21 23 13)</sup></b>					
Note: For general service, 125 LB flanged, 3550 RPM TEFC motor. Includes packed stuffing boxes and ductile iron case.					
23 21 23 13-0002	EA		3 HP, 50 GPM At 100' Head, Single Stage Cast Iron In-Line Circulating Pump	4,955.88	292.93
			For Mechanical Seal, Add	326.20	
			For Cast Steel Case, Add	733.95	
23 21 23 13-0003	EA		5 HP, 75 GPM At 100' Head, Single Stage Cast Iron In-Line Circulating Pump	5,434.47	354.55
			For Mechanical Seal, Add	349.69	
			For Cast Steel Case, Add	786.81	
23 21 23 13-0004	EA		7-1/2 HP, 100 GPM At 150' Head, Single Stage Cast Iron In-Line Circulating Pump	6,288.95	421.23
			For Mechanical Seal, Add	402.10	
			For Cast Steel Case, Add	904.73	
23 21 23 13-0005	EA		10 HP, 125 GPM At 150' Head, Single Stage Cast Iron In-Line Circulating Pump	7,103.47	561.63
			For Mechanical Seal, Add	433.59	
			For Cast Steel Case, Add	975.59	
23 21 23 13-0006	EA		15 HP, 150 GPM At 200' Head, Single Stage Cast Iron In-Line Circulating Pump	8,122.76	612.14
			For Mechanical Seal, Add	502.89	
			For Cast Steel Case, Add	1,131.51	
23 21 23 13-0007	EA		30 HP, 200 GPM At 300' Head, Single Stage Cast Iron In-Line Circulating Pump	11,982.48	673.75
			For Mechanical Seal, Add	796.98	
			For Cast Steel Case, Add	1,793.20	
23 21 23 13-0008	EA		40 HP, 250 GPM At 300' Head, Single Stage Cast Iron In-Line Circulating Pump	14,113.87	841.44
			For Mechanical Seal, Add	927.08	
			For Cast Steel Case, Add	2,085.94	
23 21 23 13-0009	EA		50 HP, 300 GPM At 300' Head, Single Stage Cast Iron In-Line Circulating Pump	19,495.60	961.64
			For Mechanical Seal, Add	1,328.76	
			For Cast Steel Case, Add	2,989.71	
23 21 23 13-0010	EA		75 HP, 400 GPM At 400' Head, Single Stage Cast Iron In-Line Circulating Pump	24,653.66	1,007.70
			For Mechanical Seal, Add	1,730.44	
			For Cast Steel Case, Add	3,893.48	
23 21 23 13-0011	EA		100 HP, 600 GPM At 400' Head, Single Stage Cast Iron In-Line Circulating Pump	27,049.11	1,295.33
			For Mechanical Seal, Add	1,852.97	
			For Cast Steel Case, Add	4,169.19	

<b>23 21 23 13-0012 Cast Iron, Single Stage, Vertical In-Line, Close Coupled, Pump <sup>(23 21 23 13)</sup></b>					
Note: For general service, 125 LB flanged, 1,800 RPM TEFC motor.					
23 21 23 13-0013	EA		1/2 HP, 1-1/2" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	1,834.52	168.19
23 21 23 13-0014	EA		3/4 HP, 2" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	3,193.89	192.23
23 21 23 13-0015	EA		1 HP, 3" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	3,474.22	215.26
23 21 23 13-0016	EA		1-1/2 HP, 3" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	3,657.10	234.04
23 21 23 13-0017	EA		2 HP, 4" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	4,757.99	256.27
23 21 23 13-0018	EA		3 HP, 5" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	4,902.31	283.24
23 21 23 13-0019	EA		5 HP, 6" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	5,610.47	336.37
23 21 23 13-0020	EA		7-1/2 HP, 6" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	6,539.99	414.05
23 21 23 13-0021	EA		10 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	8,373.93	448.49
23 21 23 13-0022	EA		15 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	9,761.59	474.86
23 21 23 13-0023	EA		20 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	12,488.49	504.56
23 21 23 13-0024	EA		25 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	13,172.08	521.43
23 21 23 13-0025	EA		30 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	13,855.66	538.20
23 21 23 13-0026	EA		40 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	16,419.00	576.68
23 21 23 13-0027	EA		50 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	17,744.86	652.75
23 21 23 13-0028	EA		60 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	19,713.34	942.82
23 21 23 13-0029	EA		75 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	23,641.91	1,885.65
23 21 23 13-0030	EA		100 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	27,222.36	2,262.78

**23 21 23 16 Base-Mounted, Centrifugal Hydronic Pumps <sup>(23 21 23)</sup>**  
See CSI section 26 29 23 00-0000 for variable frequency motor controllers.

<b>23 21 23 16-0001 Single Stage, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump <sup>(23 21 23 16)</sup></b>					
Note: 1800 RPM, welded steel baseplate, internally flushed mechanical seal, bronze wear ring, galvanized drip pan, and 3 phase 230/460V premium efficiency motor. Bell & Gossett 1510 Series.					
23 21 23 16-0002	EA		5 HP, 50 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 1-1/4 BC, BF, 184T)	6,524.05	320.21
23 21 23 16-0003	EA		7.5 HP, 100 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 1-1/2 BC, BF, 213T)	7,327.84	320.61
23 21 23 16-0004	EA		10 HP, 225 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 2 E, BF, 215T)	9,670.83	421.23
23 21 23 16-0005	EA		15 HP, 250 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 2 E, BF, 254T)	10,573.13	518.19
23 21 23 16-0006	EA		15 HP, 300 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 3 G, BF, 254T)	11,861.58	518.19
23 21 23 16-0007	EA		20 HP, 350 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 3 E, BF, 256T)	11,513.35	561.63
23 21 23 16-0008	EA		20 HP, 500 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 4 E, BF, 256T)	12,245.88	561.63
23 21 23 16-0009	EA		25 HP, 600 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 4 E, BF, 284T)	13,382.22	588.91
23 21 23 16-0010	EA		30 HP, 750 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 5 E, BF, 286T)	14,865.67	748.51
23 21 23 16-0011	EA		40 HP, 1,050 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 5 E, BF, 324T)	15,710.86	841.44
23 21 23 16-0012	EA		60 HP, 1,500 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 6 E, BF, 364T)	23,722.42	1,982.26
23 21 23 16-0013	EA		75 HP, 2,000 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 8 G, BF, 365T)	34,603.37	2,378.30
23 21 23 16-0014	EA		100 HP, 3,000 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 8 G, BF, 404TS)	39,126.12	2,972.87

<b>23 21 23 16-0015 Single Stage, Vertical Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump <sup>(23 21 23 16)</sup></b>					
Note: 125 LB flanged, 1750 RPM drip-proof motor, common base plate 100' head. Standard seal and motor. For general service.					
23 21 23 16-0016	EA		1-1/2 HP, 40 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	4,772.91	235.36
			For 300 LB Flanges, Add	1,087.12	
23 21 23 16-0017	EA		2 HP, 50 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	6,021.33	252.54
			For 300 LB Flanges, Add	1,410.63	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 21 23 16-0018	EA	3 HP, 90 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	7,538.06	269.70
		<i>For 300 LB Flanges, Add</i>	1,772.28	
23 21 23 16-0019	EA	5 HP, 100 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	8,812.05	320.21
		<i>For 300 LB Flanges, Add</i>	2,058.71	
23 21 23 16-0020	EA	7-1/2 HP, 150 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	9,261.10	320.61
		<i>For 300 LB Flanges, Add</i>	2,163.76	
23 21 23 16-0021	EA	10 HP, 200 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	9,724.43	421.23
		<i>For 300 LB Flanges, Add</i>	2,241.71	
23 21 23 16-0022	EA	10 HP, 225 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	9,935.29	421.23
		<i>For 300 LB Flanges, Add</i>	2,294.42	
23 21 23 16-0023	EA	10 HP, 250 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	10,402.33	421.23
		<i>For 300 LB Flanges, Add</i>	2,411.18	
23 21 23 16-0024	EA	15 HP, 300 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	12,094.95	518.19
		<i>For 300 LB Flanges, Add</i>	2,790.63	
23 21 23 16-0025	EA	17-1/2 HP, 350 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	12,290.90	517.79
		<i>For 300 LB Flanges, Add</i>	2,830.22	
23 21 23 16-0026	EA	20 HP, 500 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	12,951.43	561.63
		<i>For 300 LB Flanges, Add</i>	2,985.33	
23 21 23 16-0027	EA	25 HP, 600 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	14,205.48	588.91
		<i>For 300 LB Flanges, Add</i>	3,278.66	
23 21 23 16-0028	EA	30 HP, 750 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	15,751.64	748.51
		<i>For 300 LB Flanges, Add</i>	3,601.20	
23 21 23 16-0029	EA	40 HP, 1,050 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	17,864.17	841.44
		<i>For 300 LB Flanges, Add</i>	4,087.24	
23 21 23 16-0030	EA	60 HP, 1,500 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	28,290.46	1,982.26
		<i>For 300 LB Flanges, Add</i>	6,117.05	
23 21 23 16-0031	EA	75 HP, 2,000 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	33,660.96	2,378.30
		<i>For 300 LB Flanges, Add</i>	7,268.56	
23 21 23 16-0032	EA	100 HP, 3,000 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	41,099.89	2,972.87
		<i>For 300 LB Flanges, Add</i>	8,841.62	

**23 21 23 16-0033 Single Stage, Horizontal Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump** (23 21 23 16)

Note: 125 LB flanged, 1750 RPM drip-proof motor, common base plate 100' head. Standard seal and motor. For general service.

23 21 23 16-0034	EA	1-1/2 HP, 40 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	4,591.72	235.36
		<i>For 300 LB Flanges, Add</i>	1,041.82	
23 21 23 16-0035	EA	2 HP, 50 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	4,721.04	252.54
		<i>For 300 LB Flanges, Add</i>	1,066.61	
23 21 23 16-0036	EA	3 HP, 90 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	4,850.49	269.70
		<i>For 300 LB Flanges, Add</i>	1,091.41	
23 21 23 16-0037	EA	5 HP, 100 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	5,257.14	275.77
		<i>For 300 LB Flanges, Add</i>	1,190.09	
23 21 23 16-0038	EA	7-1/2 HP, 100 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	8,485.37	320.21
		<i>For 300 LB Flanges, Add</i>	1,977.04	
23 21 23 16-0039	EA	10 HP, 250 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	10,262.05	421.23
		<i>For 300 LB Flanges, Add</i>	2,401.74	
23 21 23 16-0040	EA	15 HP, 350 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	11,547.45	454.55
		<i>For 300 LB Flanges, Add</i>	2,697.46	
23 21 23 16-0041	EA	20 HP, 500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	12,263.05	505.06
		<i>For 300 LB Flanges, Add</i>	2,832.66	
23 21 23 16-0042	EA	25 HP, 750 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	13,605.49	504.33
		<i>For 300 LB Flanges, Add</i>	3,174.63	
23 21 23 16-0043	EA	40 HP, 1,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	15,301.67	648.15
		<i>For 300 LB Flanges, Add</i>	3,533.90	
23 21 23 16-0044	EA	50 HP, 1,500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	19,424.74	793.12
		<i>For 300 LB Flanges, Add</i>	4,473.96	
23 21 23 16-0045	EA	75 HP, 2,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	24,778.95	990.60
		<i>For 300 LB Flanges, Add</i>	5,716.95	
23 21 23 16-0046	EA	3,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 100 HP	31,125.03	1,189.15
		<i>For 300 LB Flanges, Add</i>	7,207.92	
23 21 23 16-0047	EA	150 HP, 3,500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	36,830.62	1,320.80
		<i>For 300 LB Flanges, Add</i>	8,570.61	
23 21 23 16-0048	EA	200 HP, 4,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	42,502.94	1,698.79
		<i>For 300 LB Flanges, Add</i>	9,806.68	

**23 21 23 16-0049 Two Stage, Horizontal Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump** (23 21 23 16)

Note: 3500 RPM drip-proof motor, common base plate 500' head. Packed stuffing box and boiler feed water service.

23 21 23 16-0050	EA	40 HP, 100 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case	28,511.11	518.19
		<i>For 300 LB Flanges, Add</i>	6,894.67	
23 21 23 16-0051	EA	50 HP, 200 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case	30,780.07	561.63
		<i>For 300 LB Flanges, Add</i>	7,442.49	
23 21 23 16-0052	EA	75 HP, 300 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case	41,087.76	750.97
		<i>For 300 LB Flanges, Add</i>	9,928.08	
23 21 23 16-0053	EA	100 HP, 400 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case	48,080.50	1,031.88
		<i>For 300 LB Flanges, Add</i>	11,547.32	
23 21 23 16-0054	EA	200 HP, 800 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case	66,674.67	1,375.84
		<i>For 300 LB Flanges, Add</i>	16,038.26	

**23 21 23 16-0055 Cast Iron Close Coupling Pumps** (23 21 23 16)
**23 21 23 16-0056 Foot Mounted Cast Iron Close Coupled Pumps** (23 21 23 16-0055)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	23 16-0057	EA	3 HP, 90 GPM At 50' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 1-1/2 AC, BF, 182JM) .....	5,834.15	303.04
23 21	23 16-0058	EA	3 HP, 150 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 2-1/2 AB, BF, 182JM) .....	6,361.11	303.04
23 21	23 16-0059	EA	5 HP, 225 GPM At 50' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 2-1/2 BB, BF, 184JM) .....	7,080.44	319.88
23 21	23 16-0060	EA	5 HP, 350 GPM At 25' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 4 AC, BF, 184JM) .....	7,546.60	319.88
23 21	23 16-0061	EA	7.5 HP, 350 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 4 AC, BF, 213JM) .....	8,685.77	336.37
23 21	23 16-0062	EA	10 HP, 600 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 5 A, BF, 215JM) .....	10,291.67	404.90
23 21	23 16-0063	EA	15 HP, 1,000 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 254JP) .....	13,523.86	498.80
23 21	23 16-0064	EA	20 HP, 1,350 GPM At 30' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 256JP) .....	14,475.06	539.86
23 21	23 16-0065	EA	25 HP, 1,550 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 284JP) .....	16,781.92	583.04
23 21	23 16-0066		<b>Pumps, Polypropylene Body, Housing And Impeller, 115/230 Volt</b> (23 21 23 16)		
23 21	23 16-0067	EA	1/3 HP, Centrifugal Pump, Polypropylene Body .....	1,459.56	156.50
23 21	23 16-0068	EA	1/2 HP, Centrifugal Pump, Polypropylene Body .....	1,557.26	165.93
23 21	23 16-0069	EA	3/4 HP, Centrifugal Pump, Polypropylene Body .....	1,819.54	176.68
23 21	23 23		<b>Vertical-Turbine Hydronic Pumps</b> (23 21 23)		
See CSI section 26 29 23 00-0000 for variable frequency motor controllers.					
23 21	23 23-0001		<b>Cast Iron, Bronze Fitted Vertical Turbine Wet Sump Pumps</b> (23 21 23 23)		
Note: For water supply, cooling towers and process liquids. Multi-stage 1750 RPM drip-proof motor. For 1' to 5' sump depth.					
23 21	23 23-0002	EA	2 HP, 50 GPM Cast Iron Turbine Pump, 3" Discharge 100' Head, 10 Stage .....	9,499.60	748.51
For Each Extra Column Assembly <60", Add				804.86	
For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add				335.09	
For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add				240.09	
23 21	23 23-0003	EA	3 HP, 100 GPM Cast Iron Turbine Pump, 4" Discharge 100' Head, 7 Stage .....	10,890.94	841.44
For Each Extra Column Assembly <60", Add				916.53	
For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add				390.38	
For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add				281.47	
23 21	23 23-0004	EA	15 HP, 250 GPM Cast Iron Turbine Pump, 6" Discharge 150' Head, 5 Stage .....	13,104.41	793.12
For Each Extra Column Assembly <60", Add				1,105.23	
For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add				467.30	
For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add				336.25	
23 21	23 23-0005	EA	25 HP, 500 GPM Cast Iron Turbine Pump, 6" Discharge 150' Head, 3 Stage .....	15,377.13	915.22
For Each Extra Column Assembly <60", Add				1,288.97	
For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add				556.28	
For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add				402.51	
23 21	23 23-0006	EA	50 HP, 1,000 GPM Cast Iron Turbine Pump, 8" Discharge 150' Head, 2 Stage .....	18,860.93	990.60
For Each Extra Column Assembly <60", Add				1,572.58	
For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add				690.73	
For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add				502.12	
23 21	23 23-0007	EA	100 HP, 2,000 GPM Cast Iron Turbine Pump, 10" Discharge 150' Head, 3 Stage .....	24,734.71	1,189.15
For Each Extra Column Assembly <60", Add				2,055.22	
For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add				912.94	
For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add				665.60	
23 21	23 23-0008	EA	150 HP, 3,000 GPM Cast Iron Turbine Pump, 10" Discharge 150' Head, 2 Stage .....	29,642.27	1,486.43
For Each Extra Column Assembly <60", Add				2,466.94	
For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add				1,090.13	
For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add				793.71	
23 21	23 23-0009	EA	200 HP, 4,000 GPM Cast Iron Turbine Pump, 12" Discharge 150' Head, 2 Stage .....	47,070.95	1,698.79
For Each Extra Column Assembly <60", Add				3,874.88	
For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add				1,773.63	
For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add				1,302.92	
23 21	23 23-0010	EA	250 HP, 6,000 GPM Cast Iron Turbine Pump, 14" Discharge 150' Head, 2 Stage .....	61,576.07	1,982.26
For Each Extra Column Assembly <60", Add				5,053.49	
For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add				2,335.63	
For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add				1,719.87	
23 21	23 23-0011	EA	300 HP, 10,000 GPM Cast Iron Turbine Pump, 18" Discharge 100' Head, 2 Stage .....	85,967.98	2,378.30
For Each Extra Column Assembly <60", Add				7,030.33	
For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add				3,285.83	
For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add				2,426.15	
23 21	29		<b>Automatic Condensate Pump Units</b> (23 21)		
23 21	29 00-0001		<b>Automatic Shallow Pan Condensate Pump</b> (23 21 29)		
23 21	29 00-0002	EA	1/150 HP, 205 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 1-ABS) .....	232.30	32.83
23 21	29 00-0003	EA	1/40 HP, 300 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 2-ABS) .....	253.15	32.83
23 21	29 00-0004	EA	1/12 HP, 310 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 3-ABS) .....	400.42	37.88
23 21	29 00-0005		<b>Automatic Condensate Pump With Tank</b> (23 21 29)		
23 21	29 00-0006	EA	1/20 HP Automatic Condensate Pump With Tank (Hartell KT-15-1UL) .....	124.31	25.25
23 21	29 00-0007	EA	1/30 HP Automatic Condensate Pump With Tank (Little Giant VCMX-20) .....	133.21	25.25
23 21	29 00-0008	EA	1/50 HP, 200 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-14ULS) .....	225.48	32.83
23 21	29 00-0009	EA	1/18 HP, 270 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-24ULS) .....	242.40	37.88
23 21	29 00-0010	EA	1/5 HP, 450 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-45ULS) .....	459.02	42.93

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST
**23 22 Steam and Condensate Piping and Pumps** (23 20)**23 22 16 Steam and Condensate Heating Piping Specialties** (23 22)

23 22 16 00-0001 Steam Temperature Regulator, Iron Body (23 22 16)

23 22 16 00-0002 Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body (23 22 16 00-0001)

Note: Up to 150 PSI.

23 22 16 00-0003	EA	1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,296.03	15.78
23 22 16 00-0004	EA	3/4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,363.35	21.26
23 22 16 00-0005	EA	1" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,809.44	26.20
23 22 16 00-0006	EA	1-1/4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,997.69	33.11
23 22 16 00-0007	EA	1-1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,049.52	38.03
23 22 16 00-0008	EA	2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,422.06	41.39
23 22 16 00-0009	EA	2-1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,081.72	75.82
23 22 16 00-0010	EA	3" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,391.80	82.68
23 22 16 00-0011	EA	4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,569.24	193.53
23 22 16 00-0012	EA	6" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	5,852.62	227.15

23 22 16 00-0013 Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body (23 22 16 00-0001)

23 22 16 00-0014	EA	1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,921.85	15.78
23 22 16 00-0015	EA	3/4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,990.14	21.26
23 22 16 00-0016	EA	1" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,078.58	26.20
23 22 16 00-0017	EA	1-1/4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,488.05	33.11
23 22 16 00-0018	EA	1-1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,665.26	38.03
23 22 16 00-0019	EA	2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,026.70	41.39
23 22 16 00-0020	EA	2-1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	4,637.63	75.82
23 22 16 00-0021	EA	3" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,282.75	82.68
23 22 16 00-0022	EA	4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	4,613.71	193.53
23 22 16 00-0023	EA	6" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	7,376.61	227.15

23 22 16 00-0024 Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body (23 22 16 00-0001)

23 22 16 00-0025	EA	1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,619.63	15.78
23 22 16 00-0026	EA	3/4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,657.46	21.26
23 22 16 00-0027	EA	1" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,908.15	26.20
23 22 16 00-0028	EA	1-1/4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,166.47	33.11
23 22 16 00-0029	EA	1-1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,280.99	38.03
23 22 16 00-0030	EA	2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,701.44	41.39
23 22 16 00-0031	EA	2-1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	6,849.81	75.82
23 22 16 00-0032	EA	3" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	4,618.00	82.68
23 22 16 00-0033	EA	4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	5,921.07	193.53
23 22 16 00-0034	EA	6" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	8,265.21	227.15

23 22 16 00-0035 Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body (23 22 16 00-0001)

23 22 16 00-0036	EA	1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,357.02	15.78
23 22 16 00-0037	EA	3/4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,391.18	21.26
23 22 16 00-0038	EA	1" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,682.41	26.20
23 22 16 00-0039	EA	1-1/4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,837.47	33.11
23 22 16 00-0040	EA	1-1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,985.18	38.03
23 22 16 00-0041	EA	2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	4,339.28	41.39
23 22 16 00-0042	EA	2-1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	7,218.50	75.82
23 22 16 00-0043	EA	3" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	4,850.63	82.68
23 22 16 00-0044	EA	4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	6,153.69	193.53
23 22 16 00-0045	EA	6" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	8,497.84	227.15

23 22 16 00-0046 High Temperature Safety Relief Valve (23 22 16)

Note: Used in steam or water boiler, heating systems and unfired pressure vessel applications.

23 22 16 00-0047 Cast Iron Body Safety Valve, Steam Or Water (23 22 16 00-0046)

Note: Variable set points to 500 psig pressure, 400 Degree F temperature range.

23 22 16 00-0048 Threaded (23 22 16 00-0047)

23 22 16 00-0049	EA	3/4" x 1" Threaded Cast Iron Body Safety Relief Valve, Steam or Water.....	481.14	16.44
23 22 16 00-0050	EA	1" x 1-1/4" Threaded Cast Iron Body Safety Relief Valve, Steam or Water.....	503.33	19.46
23 22 16 00-0051	EA	1-1/4" x 1-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water.....	554.93	24.67
23 22 16 00-0052	EA	1-1/2" x 2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water.....	684.73	27.41
23 22 16 00-0053	EA	2" x 2-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water.....	876.76	33.71
23 22 16 00-0054	EA	2-1/2" x 2-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water.....	1,361.71	38.37
23 22 16 00-0055	EA	3" x 3" Threaded Cast Iron Body Safety Relief Valve, Steam or Water.....	1,475.46	44.13

23 22 16 00-0056 Flanged (23 22 16 00-0047)

23 22 16 00-0057	EA	1-1/2" x 2-1/2" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	3,396.29	115.10
23 22 16 00-0058	EA	2" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	3,952.62	173.03
23 22 16 00-0059	EA	2-1/2" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	4,368.02	159.34

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0060	EA		2-1/2" x 4" Flanged Cast Iron Body Safety Relief Valve, Steam or Water .....	5,304.09	230.14
23 22 16 00-0061	EA		3" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	5,663.69	171.63
23 22 16 00-0062	EA		3" x 4" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	6,653.35	230.14
23 22 16 00-0063	EA		4" x 6" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	11,136.32	326.59
23 22 16 00-0064	EA		6" x 8" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	22,161.60	364.74
<b>23 22 16 00-0065</b>			<b>Bronze Body Safety Valve, Threaded, Steam</b> (23 22 16 00-0046)		
Note: Variable set points to 250 psig pressure, 400 Degree F temperature range. Valve also can be set for Air or Gas with variable set points to 300 psig pressure.					
23 22 16 00-0066	EA		3/4" x 3/4" Threaded Bronze Body Safety Relief Valve, Steam .....	523.87	15.07
23 22 16 00-0067	EA		3/4" x 1" Threaded Bronze Body Safety Relief Valve, Steam .....	536.48	16.44
23 22 16 00-0068	EA		1" x 1" Threaded Bronze Body Safety Relief Valve, Steam .....	628.09	18.09
23 22 16 00-0069	EA		1" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Steam .....	693.65	19.46
23 22 16 00-0070	EA		1-1/4" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Steam.....	802.65	21.93
23 22 16 00-0071	EA		1-1/4" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Steam.....	806.30	24.67
23 22 16 00-0072	EA		1-1/2" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Steam.....	907.13	26.04
23 22 16 00-0073	EA		1-1/2" x 2" Threaded Bronze Body Safety Relief Valve, Steam.....	988.70	27.41
23 22 16 00-0074	EA		2" x 2" Threaded Bronze Body Safety Relief Valve, Steam .....	1,373.85	30.69
23 22 16 00-0075	EA		2" x 2-1/2" Threaded Bronze Body Safety Relief Valve, Steam.....	1,501.43	33.71
23 22 16 00-0076	EA		2-1/2" x 2-1/2" Threaded Bronze Body Safety Relief Valve, Steam.....	1,791.78	38.37
<b>23 22 16 00-0077</b>			<b>Bronze Body Safety Valve, Threaded, Water</b> (23 22 16 00-0046)		
Note: Variable set points to 160 psig pressure, 250 Degree F temperature range.					
23 22 16 00-0078	EA		3/4" x 3/4" Threaded Bronze Body Safety Relief Valve, Water.....	245.31	15.07
23 22 16 00-0079	EA		3/4" x 1" Threaded Bronze Body Safety Relief Valve, Water.....	279.66	16.44
23 22 16 00-0080	EA		1" x 1" Threaded Bronze Body Safety Relief Valve, Water.....	388.14	18.09
23 22 16 00-0081	EA		1" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Water.....	427.43	19.46
23 22 16 00-0082	EA		1-1/4" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Water.....	619.26	21.93
23 22 16 00-0083	EA		1-1/2" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Water.....	835.92	26.04
23 22 16 00-0084	EA		2" x 2" Threaded Bronze Body Safety Relief Valve, Water.....	1,220.49	30.69
<b>23 22 16 00-0085</b>			<b>Steam Traps</b> (23 22 16)		
<b>23 22 16 00-0086</b>			<b>Inverted Bucket Steam Traps</b> (23 22 16 00-0085)		
23 22 16 00-0087	EA		1/2" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	295.63	32.90
			<i>For Work In Restricted Working Space, Add</i>	19.74	
23 22 16 00-0088	EA		3/4" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	298.37	34.27
			<i>For Work In Restricted Working Space, Add</i>	20.56	
23 22 16 00-0089	EA		1" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	443.09	36.52
			<i>For Work In Restricted Working Space, Add</i>	21.94	
23 22 16 00-0090	EA		1-1/4" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	716.32	49.84
			<i>For Work In Restricted Working Space, Add</i>	29.91	
23 22 16 00-0091	EA		1-1/2" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	1,065.84	61.42
			<i>For Work In Restricted Working Space, Add</i>	36.55	
23 22 16 00-0092	EA		2" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	1,360.68	91.39
			<i>For Work In Restricted Working Space, Add</i>	54.84	
<b>23 22 16 00-0093</b>			<b>Float And Thermostatic Steam Traps</b> (23 22 16 00-0085)		
23 22 16 00-0094	EA		3/4" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	312.47	34.27
			<i>For Work In Restricted Working Space, Add</i>	20.56	
23 22 16 00-0095	EA		1" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	411.32	36.55
			<i>For Work In Restricted Working Space, Add</i>	21.94	
23 22 16 00-0096	EA		1-1/4" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	508.91	49.85
			<i>For Work In Restricted Working Space, Add</i>	29.91	
23 22 16 00-0097	EA		1-1/2" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	688.02	60.93
			<i>For Work In Restricted Working Space, Add</i>	36.56	
23 22 16 00-0098	EA		2" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	1,257.19	91.36
			<i>For Work In Restricted Working Space, Add</i>	54.84	
23 22 16 00-0099	EA		3/4" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	397.40	34.27
			<i>For Work In Restricted Working Space, Add</i>	20.56	
23 22 16 00-0100	EA		1" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	431.88	36.52
			<i>For Work In Restricted Working Space, Add</i>	21.94	
23 22 16 00-0101	EA		1-1/4" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	564.96	49.84
			<i>For Work In Restricted Working Space, Add</i>	29.91	
23 22 16 00-0102	EA		1-1/2" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	811.34	60.87
			<i>For Work In Restricted Working Space, Add</i>	36.56	
23 22 16 00-0103	EA		2" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	1,382.39	91.39
			<i>For Work In Restricted Working Space, Add</i>	54.84	
23 22 16 00-0104	EA		3/4" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	515.12	34.27
			<i>For Work In Restricted Working Space, Add</i>	20.56	
23 22 16 00-0105	EA		1" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	573.88	36.55
			<i>For Work In Restricted Working Space, Add</i>	21.94	
23 22 16 00-0106	EA		1-1/4" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	873.27	49.84
			<i>For Work In Restricted Working Space, Add</i>	29.91	
23 22 16 00-0107	EA		1-1/2" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	895.43	60.87
			<i>For Work In Restricted Working Space, Add</i>	36.56	
23 22 16 00-0108	EA		2" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	1,735.53	91.39
			<i>For Work In Restricted Working Space, Add</i>	54.84	
23 22 16 00-0109	EA		3/4" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	522.59	34.27
			<i>For Work In Restricted Working Space, Add</i>	20.56	
23 22 16 00-0110	EA		1" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	573.88	36.55
			<i>For Work In Restricted Working Space, Add</i>	21.94	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 22 Steam and Condensate Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0111	EA		1-1/4" 150 PSI Max Pressure Float And Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	873.27 29.91	49.84
23 22 16 00-0112	EA		1-1/2" 150 PSI Max Pressure Float And Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	895.43 36.56	60.87
23 22 16 00-0113	EA		2" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	1,735.53 54.84	91.39
<b>23 22 16 00-0114</b>			<b>Thermostatic Steam Traps</b> <small>(23 22 16 00-0085)</small>		
23 22 16 00-0115	EA		1/2" 25 PSI Maximum Pressure Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	152.49 19.74	32.90
23 22 16 00-0116	EA		3/4" 25 PSI Maximum Pressure Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	253.51 20.56	34.27
23 22 16 00-0117	EA		1" 25 PSI Maximum Pressure Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	312.71 21.94	36.52
<b>23 22 16 00-0118</b>			<b>Thermodynamic Steam Traps</b> <small>(23 22 16 00-0085)</small>		
23 22 16 00-0119	EA		3/8" 600 PSI Maximum Pressure Thermodynamic Steam Trap	333.99	29.61
23 22 16 00-0120	EA		1/2" 600 PSI Maximum Pressure Thermodynamic Steam Trap	473.15	32.90
23 22 16 00-0121	EA		3/4" 600 PSI Maximum Pressure Thermodynamic Steam Trap	586.12	34.27
23 22 16 00-0122	EA		1" 600 PSI Maximum Pressure Thermodynamic Steam Trap	785.02	36.52
<b>23 22 16 00-0123</b>			<b>Steam Moisture Separator</b> <small>(23 22 16 00-0085)</small>		
23 22 16 00-0124	EA		1/2" Steam Moisture Separator, Threaded (Spirax Sarco S1)	632.53	54.84
23 22 16 00-0125	EA		3/4" Steam Moisture Separator, Threaded (Spirax Sarco S1)	674.75	74.03
23 22 16 00-0126	EA		1" Steam Moisture Separator, Threaded (Spirax Sarco S1)	810.97	83.35
23 22 16 00-0127	EA		1-1/2" Steam Moisture Separator, Threaded (Spirax Sarco S2)	1,273.18	95.41
23 22 16 00-0128	EA		2" Steam Moisture Separator, Flanged (Spirax Sarco S3)	1,567.09	146.19
23 22 16 00-0129	EA		2-1/2" Steam Moisture Separator, Flanged (Spirax Sarco S3)	2,348.19	159.03
23 22 16 00-0130	EA		3" Steam Moisture Separator, Flanged (Spirax Sarco S3)	2,693.06	186.45
23 22 16 00-0131	EA		4" Steam Moisture Separator, Flanged (Spirax Sarco S3)	3,710.31	312.56
23 22 16 00-0132	EA		6" Steam Moisture Separator, Flanged (Spirax Sarco S3)	7,200.16	394.82
<b>23 22 16 00-0133</b>			<b>Steam/Condensate Meter</b> <small>(23 22 16)</small>		
			Note: Meter shall be of the rotary volumetric type and sized on the maximum estimated steam demand.		
23 22 16 00-0134	EA		1" Steam/Condensate Meter <i>For Steam Meter Pressure-Compensated Counter, Add</i> <i>For Contactor Used For Dial Counter, Add</i> <i>For Wall Or Panel Mounted Remote Totalizer With Contactor, Add</i> <i>For Direct Reading Pressure Gauge, Add</i> <i>For Direct Reading Thermometer, Stainless Steel Case With Trim, Add</i>	5,433.67 1,220.00 567.00 905.00 79.82 64.52	90.86
23 22 16 00-0135	EA		2" Steam/Condensate Meter <i>For Steam Meter Pressure-Compensated Counter, Add</i> <i>For Contactor Used For Dial Counter, Add</i> <i>For Wall Or Panel Mounted Remote Totalizer With Contactor, Add</i> <i>For Direct Reading Pressure Gauge, Add</i> <i>For Direct Reading Thermometer, Stainless Steel Case With Trim, Add</i>	6,130.67 1,220.00 567.00 905.00 79.82 64.52	106.76
23 22 16 00-0136	EA		2-1/2" Steam/Condensate Meter <i>For Steam Meter Pressure-Compensated Counter, Add</i> <i>For Contactor Used For Dial Counter, Add</i> <i>For Wall Or Panel Mounted Remote Totalizer With Contactor, Add</i> <i>For Direct Reading Pressure Gauge, Add</i> <i>For Direct Reading Thermometer, Stainless Steel Case With Trim, Add</i>	6,502.90 1,220.00 567.00 905.00 79.82 64.52	132.50
23 22 16 00-0137	EA		3" Steam/Condensate Meter <i>For Steam Meter Pressure-Compensated Counter, Add</i> <i>For Contactor Used For Dial Counter, Add</i> <i>For Wall Or Panel Mounted Remote Totalizer With Contactor, Add</i> <i>For Direct Reading Pressure Gauge, Add</i> <i>For Direct Reading Thermometer, Stainless Steel Case With Trim, Add</i>	6,896.33 1,220.00 567.00 905.00 79.82 64.52	174.15
23 22 16 00-0138	EA		4" Steam/Condensate Meter <i>For Steam Meter Pressure-Compensated Counter, Add</i> <i>For Contactor Used For Dial Counter, Add</i> <i>For Wall Or Panel Mounted Remote Totalizer With Contactor, Add</i> <i>For Direct Reading Pressure Gauge, Add</i> <i>For Direct Reading Thermometer, Stainless Steel Case With Trim, Add</i>	7,775.41 1,220.00 567.00 905.00 79.82 64.52	270.56
23 22 16 00-0139	EA		6" Steam/Condensate Meter <i>For Steam Meter Pressure-Compensated Counter, Add</i> <i>For Contactor Used For Dial Counter, Add</i> <i>For Wall Or Panel Mounted Remote Totalizer With Contactor, Add</i> <i>For Direct Reading Pressure Gauge, Add</i> <i>For Direct Reading Thermometer, Stainless Steel Case With Trim, Add</i>	13,315.25 1,220.00 567.00 905.00 79.82 64.52	342.24
23 22 16 00-0140	EA		8" Steam/Condensate Meter <i>For Steam Meter Pressure-Compensated Counter, Add</i> <i>For Contactor Used For Dial Counter, Add</i> <i>For Wall Or Panel Mounted Remote Totalizer With Contactor, Add</i> <i>For Direct Reading Pressure Gauge, Add</i> <i>For Direct Reading Thermometer, Stainless Steel Case With Trim, Add</i>	13,792.05 1,220.00 567.00 905.00 79.82 64.52	432.09
23 22 16 00-0141	EA		10" Steam/Condensate Meter <i>For Steam Meter Pressure-Compensated Counter, Add</i> <i>For Contactor Used For Dial Counter, Add</i> <i>For Wall Or Panel Mounted Remote Totalizer With Contactor, Add</i> <i>For Direct Reading Pressure Gauge, Add</i> <i>For Direct Reading Thermometer, Stainless Steel Case With Trim, Add</i>	14,429.13 1,220.00 567.00 905.00 79.82 64.52	530.01



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 22 16 00-0142	EA		12" Steam/Condensate Meter..... For Steam Meter Pressure-Compensated Counter, Add For Contactor Used For Dial Counter, Add For Wall Or Panel Mounted Remote Totalizer With Contactor, Add For Direct Reading Pressure Gauge, Add For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	15,124.95 1,220.00 567.00 905.00 79.82 64.52	643.59
23 22 16 00-0143	EA		14" Steam/Condensate Meter..... For Steam Meter Pressure-Compensated Counter, Add For Contactor Used For Dial Counter, Add For Wall Or Panel Mounted Remote Totalizer With Contactor, Add For Direct Reading Pressure Gauge, Add For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	16,102.36 1,220.00 567.00 905.00 79.82 64.52	757.16
23 22 16 00-0144	EA		16" Steam/Condensate Meter..... For Steam Meter Pressure-Compensated Counter, Add For Contactor Used For Dial Counter, Add For Wall Or Panel Mounted Remote Totalizer With Contactor, Add For Direct Reading Pressure Gauge, Add For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	16,672.63 1,220.00 567.00 905.00 79.82 64.52	832.88

**23 22 23 Steam Condensate Pumps (23 22)**

**23 22 23 13 Electric-Driven Steam Condensate Pumps (23 22 23)**

**23 22 23 13-0001 Simplex Condensate Pumps And Motors (23 22 23 13)**  
Note: Cast iron receiver, float switch.

**23 22 23 13-0002 20 PSI Discharge Pressure (23 22 23 13-0001)**

23 22 23 13-0003	EA		3 To 6 GPM Simplex Condensate Pump And 1/3 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	1,959.79	514.16
23 22 23 13-0004	EA		9 To 12 GPM Simplex Condensate Pump And 1/3 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	2,511.27	528.30
23 22 23 13-0005	EA		15 GPM Simplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	2,626.91	563.65
23 22 23 13-0006	EA		22.5 GPM Simplex Condensate Pump And 1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	2,890.39	569.71
23 22 23 13-0007	EA		30 GPM Simplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	3,228.89	620.22
23 22 23 13-0008	EA		37.5 GPM Simplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	4,732.52	620.22
23 22 23 13-0009	EA		45 GPM Simplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	4,812.51	662.64
23 22 23 13-0010	EA		60 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	5,864.75	692.94
23 22 23 13-0011	EA		75 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	5,925.74	723.26

**23 22 23 13-0012 30 PSI Discharge Pressure (23 22 23 13-0001)**

23 22 23 13-0013	EA		3 To 6 GPM Simplex Condensate Pump And 1/2 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	2,247.41	549.51
23 22 23 13-0014	EA		9 To 12 GPM Simplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	2,920.71	563.65
23 22 23 13-0015	EA		15 GPM Simplex Condensate Pump And 3/4 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	3,033.60	601.03
23 22 23 13-0016	EA		22.5 GPM Simplex Condensate Pump And 1 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	3,506.05	649.51
23 22 23 13-0017	EA		30 To 37.5 GPM Simplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	4,812.51	663.65
23 22 23 13-0018	EA		45 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	4,945.80	686.88
23 22 23 13-0019	EA		60 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	5,096.89	723.26
23 22 23 13-0020	EA		75 GPM Simplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	5,909.27	769.72

**23 22 23 13-0021 40 PSI Discharge Pressure (23 22 23 13-0001)**

23 22 23 13-0022	EA		3 To 6 GPM Simplex Condensate Pump And 1 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	2,505.98	630.32
23 22 23 13-0023	EA		9 To 15 GPM Simplex Condensate Pump And 1 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	3,161.35	680.82
23 22 23 13-0024	EA		22.5 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	3,699.04	672.75
23 22 23 13-0025	EA		30 To 37.5 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	4,921.92	686.88
23 22 23 13-0026	EA		45 GPM Simplex Condensate Pump And 2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	5,027.08	716.18
23 22 23 13-0027	EA		60 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	5,925.74	723.26
23 22 23 13-0028	EA		75 GPM Simplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	6,010.78	769.72

**23 22 23 13-0029 50 PSI Discharge Pressure (23 22 23 13-0001)**

23 22 23 13-0030	EA		3 To 6 GPM Simplex Condensate Pump And 2 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	4,695.92	682.85
23 22 23 13-0031	EA		9 To 15 GPM Simplex Condensate Pump And 2 HP Motor With 13.6 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	3,411.75	696.99

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 22 Steam and Condensate Piping and Pumps**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 22 23 13-0032	EA	22.5 GPM Simplex Condensate Pump And 2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure .....		3,915.29	702.04
23 22 23 13-0033	EA	30 To 45 GPM Simplex Condensate Pump And 3 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure .....		5,110.92	763.66
23 22 23 13-0034	EA	60 To 75 GPM Simplex Condensate Pump And 5 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure .....		8,043.08	823.26
<b>23 22 23 13-0035</b>		<b>Duplex Condensate Pumps And Motors</b> <small>(23 22 23 13)</small>			
		Note: Cast iron receiver, float switch, alternator assembly.			
<b>23 22 23 13-0036</b>		<b>20 PSI Discharge Pressure</b> <small>(23 22 23 13-0035)</small>			
23 22 23 13-0037	EA	9 To 12 GPM Duplex Condensate Pump And 1/3 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure .....		3,225.08	689.92
23 22 23 13-0038	EA	15 GPM Duplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure .....		3,419.07	757.60
23 22 23 13-0039	EA	22.5 GPM Duplex Condensate Pump And 1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure .....		3,732.70	763.66
23 22 23 13-0040	EA	30 GPM Duplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure .....		4,169.95	832.34
23 22 23 13-0041	EA	37.5 GPM Duplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure .....		5,793.01	832.34
23 22 23 13-0042	EA	45 GPM Duplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure .....		5,906.51	897.00
23 22 23 13-0043	EA	60 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure .....		6,989.45	936.39
23 22 23 13-0044	EA	75 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure .....		7,164.05	982.85
<b>23 22 23 13-0045</b>		<b>30 PSI Discharge Pressure</b> <small>(23 22 23 13-0035)</small>			
23 22 23 13-0046	EA	9 To 12 GPM Duplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure .....		4,170.56	743.45
23 22 23 13-0047	EA	15 GPM Duplex Condensate Pump And 3/4 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure .....		4,368.77	812.14
23 22 23 13-0048	EA	22.5 GPM Duplex Condensate Pump And 1 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure .....		4,834.14	791.95
23 22 23 13-0049	EA	30 To 37.5 GPM Duplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure .....		5,906.51	897.00
23 22 23 13-0050	EA	45 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure .....		6,075.26	930.32
23 22 23 13-0051	EA	60 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure .....		6,925.19	982.85
23 22 23 13-0052	EA	75 GPM Duplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure .....		7,270.12	1,053.57
<b>23 22 23 13-0053</b>		<b>40 PSI Discharge Pressure</b> <small>(23 22 23 13-0035)</small>			
23 22 23 13-0054	EA	9 To 15 GPM Duplex Condensate Pump And 1 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure .....		4,530.05	876.79
23 22 23 13-0055	EA	22.5 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure .....		5,000.49	916.19
23 22 23 13-0056	EA	30 To 37.5 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure .....		6,089.59	930.32
23 22 23 13-0057	EA	45 GPM Duplex Condensate Pump And 2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure .....		6,265.40	976.79
23 22 23 13-0058	EA	60 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure .....		7,165.24	982.85
23 22 23 13-0059	EA	75 GPM Duplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure .....		7,298.78	1,053.57
<b>23 22 23 13-0060</b>		<b>50 PSI Discharge Pressure</b> <small>(23 22 23 13-0035)</small>			
23 22 23 13-0061	EA	9 To 15 GPM Duplex Condensate Pump And 2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure .....		4,728.31	876.79
23 22 23 13-0062	EA	22.5 GPM Duplex Condensate Pump And 2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure .....		5,104.64	963.66
23 22 23 13-0063	EA	30 To 45 GPM Duplex Condensate Pump And 3 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure .....		6,400.12	1,046.49
23 22 23 13-0064	EA	60 To 75 GPM Duplex Condensate Pump And 5 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure .....		11,087.70	1,133.36
<b>23 22 23 13-0065</b>		<b>Steam Condensate Pumps And Motors; ITT Bell &amp; Gossett Series WC</b> <small>(23 22 23 13)</small>			
		Note: Cast iron receiver, float switch			
23 22 23 13-0066	EA	9 GPM Steam Condensate Pump With 6 Gallon Cast Iron Receiver, Float Switch, 22 PSI Discharge Pressure; ITT WC6-20B .....		1,944.26	514.16
23 22 23 13-0067	EA	12 GPM Steam Condensate Pump With 9 Gallon Cast Iron Receiver, Float Switch, 21 PSI Discharge Pressure; ITT WC8-20B .....		2,018.02	528.30
23 22 23 13-0068	EA	18 GPM Steam Condensate Pump With 14 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure; ITT WC12-20B .....		2,413.13	563.65
<b>23 22 23 33</b>		<b>Steam Positive Displacement Pump</b> <small>(23 22 23)</small>			
		Note: Float operated			
23 22 23 33-0001	EA	Steam Positive Displacement Pump Receiver, Float Operated, Kadant LMHT-500 .....		3,181.08	514.16
23 22 23 33-0002	EA	Steam Positive Displacement Pump Receiver, Float Operated, Kadant LMHT-1600 .....		5,809.92	528.30

MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

**23 23 Refrigerant Piping (23 20)**
**23 23 13 Refrigerant Piping Valves (23 23)**
**23 23 13 00-0001 Ball Valves (23 23 13)**
**23 23 13 00-0002 Refrigeration Ball Valves, Sweat, 1400 Series (23 23 13 00-0001)**

23 23 13 00-0003	EA	3/8" Refrigeration Ball Valve, Sweated.....	43.84	10.96
23 23 13 00-0004	EA	1/2" Refrigeration Ball Valve, Sweated.....	45.61	10.96
23 23 13 00-0005	EA	5/8" Refrigeration Ball Valve, Sweated.....	60.59	10.96
23 23 13 00-0006	EA	7/8" Refrigeration Ball Valve, Sweated.....	81.13	12.06
23 23 13 00-0007	EA	1-1/8" Refrigeration Ball Valve, Sweated.....	113.20	13.70
23 23 13 00-0008	EA	1-5/8" Refrigeration Ball Valve, Sweated.....	183.89	16.88

**23 23 13 00-0009 Shut-Off Valves (23 23 13)**
**23 23 13 00-0010 Packless (23 23 13 00-0009)**

23 23 13 00-0011	EA	1/2" Refrigeration Valve, Packless.....	57.34	11.41
23 23 13 00-0012	EA	5/8" Refrigeration Valve, Packless.....	71.51	12.51
23 23 13 00-0013	EA	7/8" Refrigeration Valve, Packless.....	145.77	17.11

**23 23 13 00-0014 Packed (23 23 13 00-0009)**

23 23 13 00-0015	EA	1-1/8" Refrigeration Valve, Packed.....	258.44	24.89
23 23 13 00-0016	EA	1 3/8" Refrigeration Valve, Packed.....	345.22	30.49
23 23 13 00-0017	EA	1-5/8" Refrigeration Valve, Packed.....	420.25	34.32
23 23 13 00-0018	EA	2-1/8" Refrigeration Valve, Packed.....	599.48	39.15
23 23 13 00-0019	EA	2-5/8" Refrigeration Valve, Packed.....	999.16	109.67
23 23 13 00-0020	EA	3-1/8" Refrigeration Valve, Packed.....	1,310.43	137.09
23 23 13 00-0021	EA	4-1/8" Refrigeration Valve, Packed.....	1,862.24	182.82

**23 23 13 00-0022 Check Valves (23 23 13)**

23 23 13 00-0023	EA	5/8" Check Valve, Refrigeration.....	72.81	10.96
23 23 13 00-0024	EA	7/8" Check Valve, Refrigeration.....	226.62	12.06
23 23 13 00-0025	EA	1-1/8" Check Valve, Refrigeration.....	262.95	13.70
23 23 13 00-0026	EA	1 3/8" Check Valve, Refrigeration.....	353.90	14.58
23 23 13 00-0027	EA	1-5/8" Check Valve, Refrigeration.....	465.32	16.89
23 23 13 00-0028	EA	2-1/8" Check Valve, Refrigeration.....	688.69	19.96
23 23 13 00-0029	EA	2-5/8" Check Valve, Refrigeration.....	964.08	29.28
23 23 13 00-0030	EA	3-1/8" Check Valve, Refrigeration.....	1,274.20	38.38

**23 23 13 00-0031 Solenoid Valves (23 23 13)**
**23 23 13 00-0032 Solenoid Valve, 24 Volt Coil (23 23 13 00-0031)**

23 23 13 00-0033	EA	1/2" Solenoid Valve, Refrigeration.....	210.57	10.96
23 23 13 00-0034	EA	5/8" Solenoid Valve, Refrigeration.....	215.66	10.96
23 23 13 00-0035	EA	3/4" Solenoid Valve, Refrigeration.....	266.50	12.06
23 23 13 00-0036	EA	7/8" Solenoid Valve, Refrigeration.....	266.50	12.06
23 23 13 00-0037	EA	1-1/8" Solenoid Valve, Refrigeration.....	373.43	13.70
23 23 13 00-0038	EA	1 3/8" Solenoid Valve, Refrigeration.....	600.14	14.58
23 23 13 00-0039	EA	1-5/8" Solenoid Valve, Refrigeration.....	1,106.58	16.89
23 23 13 00-0040	EA	2-1/8" Solenoid Valve, Refrigeration.....	1,121.91	19.96

**23 23 16 Refrigerant Piping Specialties (23 23)**
**23 23 16 00-0001 Soft Refrigeration Copper Tubing (23 23 16)**

Note: Based on outside diameter. Nitrogenized. Lengths up to 100' See CSI section 22 07 19 00-0368 for flexible elastomeric insulation (insulation on suction line only).

23 23 16 00-0002	LF	1/8" Outside Diameter Soft Refrigeration Copper Tubing.....	4.64	2.61
23 23 16 00-0003	LF	3/16" Outside Diameter Soft Refrigeration Copper Tubing.....	4.87	2.68
23 23 16 00-0004	LF	1/4" Outside Diameter Soft Refrigeration Copper Tubing.....	5.10	2.75
23 23 16 00-0005	LF	5/16" Outside Diameter Soft Refrigeration Copper Tubing.....	5.48	2.80
23 23 16 00-0006	LF	3/8" Outside Diameter Soft Refrigeration Copper Tubing.....	5.66	2.84
23 23 16 00-0007	LF	1/2" Outside Diameter Soft Refrigeration Copper Tubing.....	6.39	2.98
23 23 16 00-0008	LF	5/8" Outside Diameter Soft Refrigeration Copper Tubing.....	7.07	3.01
23 23 16 00-0009	LF	3/4" Outside Diameter Soft Refrigeration Copper Tubing.....	7.76	3.12
23 23 16 00-0010	LF	7/8" Outside Diameter Soft Refrigeration Copper Tubing.....	10.07	3.67
23 23 16 00-0011	LF	1-1/8" Outside Diameter Soft Refrigeration Copper Tubing.....	12.86	4.20
23 23 16 00-0012	LF	1-3/8" Outside Diameter Soft Refrigeration Copper Tubing.....	18.76	4.97
23 23 16 00-0013	LF	1-5/8" Outside Diameter Soft Refrigeration Copper Tubing.....	22.68	5.56

**23 23 16 00-0014 Type L Drawn, ACR Copper Tubing (23 23 16)**

Note: Nitrogenized. Lengths up to 20'. See CSI section 22 07 19 00-0368 for flexible elastomeric insulation (insulation on suction line only).

23 23 16 00-0015	LF	3/8" Outside Diameter Type L Drawn, ACR Copper Tubing.....	6.26	3.07
		<i>For Medical Applications "Oxygen Clean", Add</i>	0.55	
23 23 16 00-0016	LF	1/2" Outside Diameter Type L Drawn, ACR Copper Tubing.....	7.09	3.07
		<i>For Medical Applications "Oxygen Clean", Add</i>	0.59	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 23 Refrigerant Piping**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 23 16 00-0017	LF	5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	7.62	3.07
		<i>For Medical Applications "Oxygen Clean", Add</i>	0.62	
23 23 16 00-0018	LF	3/4" Outside Diameter Type L Drawn, ACR Copper Tubing	11.00	4.61
		<i>For Medical Applications "Oxygen Clean", Add</i>	0.89	
23 23 16 00-0019	LF	7/8" Outside Diameter Type L Drawn, ACR Copper Tubing	12.03	4.94
		<i>For Medical Applications "Oxygen Clean", Add</i>	0.97	
23 23 16 00-0020	LF	1-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	14.10	4.94
		<i>For Medical Applications "Oxygen Clean", Add</i>	1.08	
23 23 16 00-0021	LF	1-3/8" Outside Diameter Type L Drawn, ACR Copper Tubing	17.61	5.70
		<i>For Medical Applications "Oxygen Clean", Add</i>	1.31	
23 23 16 00-0022	LF	1-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	21.38	6.58
		<i>For Medical Applications "Oxygen Clean", Add</i>	1.56	
23 23 16 00-0023	LF	2-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	30.41	8.22
		<i>For Medical Applications "Oxygen Clean", Add</i>	2.14	
23 23 16 00-0024	LF	2-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	45.60	12.39
		<i>For Medical Applications "Oxygen Clean", Add</i>	3.21	
23 23 16 00-0025	LF	3-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	59.09	15.36
		<i>For Medical Applications "Oxygen Clean", Add</i>	4.11	
23 23 16 00-0026	LF	3-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	74.50	18.20
		<i>For Medical Applications "Oxygen Clean", Add</i>	5.09	
23 23 16 00-0027	LF	4-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	92.19	21.94
		<i>For Medical Applications "Oxygen Clean", Add</i>	6.25	
23 23 16 00-0028		Refrigeration Fittings (23 23 16)		
23 23 16 00-0029		Brass Flare Fittings (23 23 16 00-0028)		
23 23 16 00-0030		Brass Flare Unions (23 23 16 00-0029)		
23 23 16 00-0031	EA	3/8" Brass Flare Union	24.71	11.84
23 23 16 00-0032	EA	1/2" Brass Flare Union	24.71	11.84
23 23 16 00-0033	EA	5/8" Brass Flare Union	26.52	11.84
23 23 16 00-0034		90 Degree Elbow Brass Flare Unions (23 23 16 00-0029)		
23 23 16 00-0035	EA	3/8" 90 Degree Brass Flare Elbow Union	25.81	11.84
23 23 16 00-0036	EA	1/2" 90 Degree Brass Flare Elbow Union	25.81	11.84
23 23 16 00-0037	EA	5/8" 90 Degree Brass Flare Elbow Union	31.86	11.84
23 23 16 00-0038		Brass Flare Tees (23 23 16 00-0029)		
23 23 16 00-0039	EA	3/8" Brass Flare Tee	39.93	19.73
23 23 16 00-0040	EA	1/2" Brass Flare Tee	42.64	19.73
23 23 16 00-0041	EA	5/8" Brass Flare Tee	57.34	19.73
23 23 16 00-0042		Male Connector, Half Brass Flare Unions (23 23 16 00-0029)		
23 23 16 00-0043	EA	3/8" Brass Flare Male Connector, Half Union	19.74	11.84
23 23 16 00-0044	EA	1/2" Brass Flare Male Connector, Half Union	21.55	11.84
23 23 16 00-0045	EA	5/8" Brass Flare Male Connector, Half Union	24.13	11.84
23 23 16 00-0046		Female Connector, Half Brass Flare Unions (23 23 16 00-0029)		
23 23 16 00-0047	EA	3/8" Brass Flare Female Connector, Half Union	22.07	11.84
23 23 16 00-0048	EA	1/2" Brass Flare Female Connector, Half Union	24.52	11.84
23 23 16 00-0049	EA	5/8" Brass Flare Female Connector, Half Union	24.52	11.84
23 23 16 00-0050		Long Forged Nuts (23 23 16 00-0029)		
23 23 16 00-0051	EA	3/8" Brass Long Forged Nut	20.84	11.84
23 23 16 00-0052	EA	1/2" Brass Long Forged Nut	21.55	11.84
23 23 16 00-0053	EA	5/8" Brass Long Forged Nut	29.41	11.84
23 23 16 00-0054		Short Forged Nuts (23 23 16 00-0029)		
23 23 16 00-0055	EA	3/8" Brass Short Forged Nut	19.82	11.84
23 23 16 00-0056	EA	1/2" Brass Short Forged Nut	21.45	11.84
23 23 16 00-0057	EA	5/8" Brass Short Forged Nut	21.79	11.84
23 23 16 00-0058		ACR Wrought Copper Fittings (23 23 16 00-0028)		
		Note: Soldered.		
23 23 16 00-0059		ACR Wrought Copper Coupling (23 23 16 00-0058)		
		Note: C x C		
23 23 16 00-0060	EA	1/4" ACR Wrought Copper Coupling	19.32	11.84
23 23 16 00-0061	EA	3/8" ACR Wrought Copper Coupling	19.03	11.84
23 23 16 00-0062	EA	1/2" ACR Wrought Copper Coupling	19.46	11.84
23 23 16 00-0063	EA	5/8" ACR Wrought Copper Coupling	20.09	12.39
23 23 16 00-0064	EA	3/4" ACR Wrought Copper Coupling	28.45	16.34
23 23 16 00-0065	EA	7/8" ACR Wrought Copper Coupling	28.08	16.78
23 23 16 00-0066	EA	1-1/8" ACR Wrought Copper Coupling	37.10	20.84
23 23 16 00-0067	EA	1-3/8" ACR Wrought Copper Coupling	53.12	28.52
23 23 16 00-0068	EA	1-5/8" ACR Wrought Copper Coupling	63.89	33.45
23 23 16 00-0069	EA	2-1/8" ACR Wrought Copper Coupling	83.65	40.58
23 23 16 00-0070	EA	2-5/8" ACR Wrought Copper Coupling	143.87	61.63

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 23 16 00-0071	EA		3-1/8" ACR Wrought Copper Coupling .....	191.70	81.05
23 23 16 00-0072	EA		4-1/8" ACR Wrought Copper Coupling .....	303.88	96.30

**23 23 16 00-0073 ACR Wrought Copper Short Radius 90 Degree Elbows (23 23 16 00-0058)**

Note: C x C

23 23 16 00-0074	EA		1/4" ACR Wrought Copper Short Radius 90 Degree Elbow .....	23.20	11.84
23 23 16 00-0075	EA		3/8" ACR Wrought Copper Short Radius 90 Degree Elbow .....	23.49	11.84
23 23 16 00-0076	EA		1/2" ACR Wrought Copper Short Radius 90 Degree Elbow .....	23.20	11.84
23 23 16 00-0077	EA		5/8" ACR Wrought Copper Short Radius 90 Degree Elbow .....	25.13	12.39
23 23 16 00-0078	EA		3/4" ACR Wrought Copper Short Radius 90 Degree Elbow .....	36.38	16.34
23 23 16 00-0079	EA		7/8" ACR Wrought Copper Short Radius 90 Degree Elbow .....	36.86	16.78
23 23 16 00-0080	EA		1-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow .....	46.91	20.84
23 23 16 00-0081	EA		1-3/8" ACR Wrought Copper Short Radius 90 Degree Elbow .....	58.77	28.52
23 23 16 00-0082	EA		1-5/8" ACR Wrought Copper Short Radius 90 Degree Elbow .....	75.17	33.45
23 23 16 00-0083	EA		2-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow .....	106.28	40.58
23 23 16 00-0084	EA		2-5/8" ACR Wrought Copper Short Radius 90 Degree Elbow .....	183.43	61.63
23 23 16 00-0085	EA		3-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow .....	235.96	81.05
23 23 16 00-0086	EA		4-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow .....	437.21	96.30

**23 23 16 00-0087 ACR Wrought Copper Long Radius 90 Degree Elbows (23 23 16 00-0058)**

Note: C x C

23 23 16 00-0088	EA		1/4" ACR Wrought Copper Long Radius 90 Degree Elbow .....	28.06	11.84
23 23 16 00-0089	EA		3/8" ACR Wrought Copper Long Radius 90 Degree Elbow .....	25.49	11.84
23 23 16 00-0090	EA		1/2" ACR Wrought Copper Long Radius 90 Degree Elbow .....	27.53	11.84
23 23 16 00-0091	EA		5/8" ACR Wrought Copper Long Radius 90 Degree Elbow .....	27.47	12.39
23 23 16 00-0092	EA		3/4" ACR Wrought Copper Long Radius 90 Degree Elbow .....	33.52	16.34
23 23 16 00-0093	EA		7/8" ACR Wrought Copper Long Radius 90 Degree Elbow .....	36.56	16.78
23 23 16 00-0094	EA		1-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow .....	49.60	20.84
23 23 16 00-0095	EA		1-3/8" ACR Wrought Copper Long Radius 90 Degree Elbow .....	72.62	28.52
23 23 16 00-0096	EA		1-5/8" ACR Wrought Copper Long Radius 90 Degree Elbow .....	90.27	33.45
23 23 16 00-0097	EA		2-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow .....	166.22	40.58
23 23 16 00-0098	EA		2-5/8" ACR Wrought Copper Long Radius 90 Degree Elbow .....	259.30	61.63
23 23 16 00-0099	EA		3-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow .....	342.57	81.05
23 23 16 00-0100	EA		4-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow .....	736.43	96.30

**23 23 16 00-0101 ACR Wrought Copper 45 Degree Elbow (23 23 16 00-0058)**

Note: C x C

23 23 16 00-0102	EA		1/4" ACR Wrought Copper 45 Degree Elbow .....	31.58	11.84
23 23 16 00-0103	EA		3/8" ACR Wrought Copper 45 Degree Elbow .....	28.06	11.84
23 23 16 00-0104	EA		1/2" ACR Wrought Copper 45 Degree Elbow .....	26.55	11.84
23 23 16 00-0105	EA		5/8" ACR Wrought Copper 45 Degree Elbow .....	22.20	12.39
23 23 16 00-0106	EA		3/4" ACR Wrought Copper 45 Degree Elbow .....	40.13	16.34
23 23 16 00-0107	EA		7/8" ACR Wrought Copper 45 Degree Elbow .....	31.36	16.78
23 23 16 00-0108	EA		1-1/8" ACR Wrought Copper 45 Degree Elbow .....	46.87	20.84
23 23 16 00-0109	EA		1-3/8" ACR Wrought Copper 45 Degree Elbow .....	63.76	28.52
23 23 16 00-0110	EA		1-5/8" ACR Wrought Copper 45 Degree Elbow .....	75.48	33.45
23 23 16 00-0111	EA		2-1/8" ACR Wrought Copper 45 Degree Elbow .....	102.99	40.58
23 23 16 00-0112	EA		2-5/8" ACR Wrought Copper 45 Degree Elbow .....	182.33	61.63
23 23 16 00-0113	EA		3-1/8" ACR Wrought Copper 45 Degree Elbow .....	247.07	81.05
23 23 16 00-0114	EA		4-1/8" ACR Wrought Copper 45 Degree Elbow .....	411.80	96.30

**23 23 16 00-0115 ACR Wrought Copper Tee (23 23 16 00-0058)**

Note: C x C x C

23 23 16 00-0116	EA		1/4" ACR Wrought Copper Tee .....	40.63	19.73
23 23 16 00-0117	EA		3/8" ACR Wrought Copper Tee .....	41.25	19.73
23 23 16 00-0118	EA		1/2" ACR Wrought Copper Tee .....	38.95	19.73
23 23 16 00-0119	EA		5/8" ACR Wrought Copper Tee .....	40.55	24.89
23 23 16 00-0120	EA		3/4" ACR Wrought Copper Tee .....	58.60	24.89
23 23 16 00-0121	EA		7/8" ACR Wrought Copper Tee .....	45.82	25.22
23 23 16 00-0122	EA		1-1/8" ACR Wrought Copper Tee .....	74.93	33.45
23 23 16 00-0123	EA		1-3/8" ACR Wrought Copper Tee .....	94.23	40.58
23 23 16 00-0124	EA		1-5/8" ACR Wrought Copper Tee .....	123.75	48.15
23 23 16 00-0125	EA		2-1/8" ACR Wrought Copper Tee .....	176.66	64.16
23 23 16 00-0126	EA		2-5/8" ACR Wrought Copper Tee .....	372.25	140.05
23 23 16 00-0127	EA		3-1/8" ACR Wrought Copper Tee .....	463.79	153.98
23 23 16 00-0128	EA		4-1/8" ACR Wrought Copper Tee .....	820.22	171.09

**23 23 16 00-0129 ACR Wrought Copper Male Adapter (23 23 16 00-0058)**

Note: C x M

23 23 16 00-0130	EA		1/4" ACR Wrought Copper Male Adapter .....	35.09	11.84
23 23 16 00-0131	EA		3/8" ACR Wrought Copper Male Adapter .....	40.72	11.84
23 23 16 00-0132	EA		1/2" ACR Wrought Copper Male Adapter .....	31.36	11.84

**23 23 16 00-0133 ACR Wrought Copper Female Adapter (23 23 16 00-0058)**

Note: C x F

23 23 16 00-0134	EA		1/4" ACR Wrought Copper Female Adapter .....	32.87	11.84
23 23 16 00-0135	EA		3/8" ACR Wrought Copper Female Adapter .....	29.64	11.84
23 23 16 00-0136	EA		1/2" ACR Wrought Copper Female Adapter .....	30.86	11.84

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 20 HVAC Piping and Pumps**

**23 23 Refrigerant Piping**



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>23 23 16 00-0137</b>		<b>ACR Wrought Copper Cap</b> <small>(23 23 16 00-0058)</small>		
		Note: C		
23 23 16 00-0138	EA	1/4" ACR Wrought Copper Cap .....	14.51	7.90
23 23 16 00-0139	EA	3/8" ACR Wrought Copper Cap .....	13.48	7.90
23 23 16 00-0140	EA	1/2" ACR Wrought Copper Cap .....	14.48	7.90
<b>23 23 16 00-0141</b>		<b>ACR Wrought Copper P-Trap</b> <small>(23 23 16 00-0058)</small>		
23 23 16 00-0142	EA	5/8" ACR Wrought Copper P-Trap .....	96.00	10.10
23 23 16 00-0143	EA	3/4" ACR Wrought Copper P-Trap .....	131.24	11.11
23 23 16 00-0144	EA	7/8" ACR Wrought Copper P-Trap .....	113.28	11.11
23 23 16 00-0145	EA	1-1/8" ACR Wrought Copper P-Trap .....	155.18	12.12
23 23 16 00-0146	EA	1-3/8" ACR Wrought Copper P-Trap .....	270.12	12.12
23 23 16 00-0147	EA	1-5/8" ACR Wrought Copper P-Trap .....	382.92	13.13
23 23 16 00-0148	EA	2-1/8" ACR Wrought Copper P-Trap .....	698.45	14.14
<b>23 23 16 00-0149</b>		<b>Sight Glass With Moisture And Liquid Indicator, Solder Connection</b> <small>(23 23 16)</small>		
23 23 16 00-0150	EA	1/4" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection .....	52.90	15.16
23 23 16 00-0151	EA	3/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection .....	64.10	18.18
23 23 16 00-0152	EA	1/2" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection .....	77.30	22.22
23 23 16 00-0153	EA	5/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection .....	85.24	25.25
23 23 16 00-0154	EA	7/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection .....	114.42	32.33
23 23 16 00-0155	EA	1-1/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection .....	132.85	39.40
23 23 16 00-0156	EA	1-3/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection .....	202.03	46.47
23 23 16 00-0157	EA	1-5/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection .....	250.53	63.64
23 23 16 00-0158	EA	2-1/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection .....	307.86	78.79
<b>23 23 16 00-0159</b>		<b>Filter Driers, Solder Connections</b> <small>(23 23 16)</small>		
<b>23 23 16 00-0160</b>		<b>Replaceable Core Type Filter Driers, Solder Connections</b> <small>(23 23 16 00-0159)</small>		
23 23 16 00-0161	EA	5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections .....	453.14	9.10
23 23 16 00-0162	EA	7/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections .....	459.80	11.11
23 23 16 00-0163	EA	1-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections .....	588.24	11.11
23 23 16 00-0164	EA	1-3/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections .....	590.11	12.12
23 23 16 00-0165	EA	1-5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections .....	660.71	13.13
23 23 16 00-0166	EA	2-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections .....	749.90	14.14
23 23 16 00-0167	EA	2-5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections .....	877.49	15.16
23 23 16 00-0168	EA	3-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections .....	1,095.55	15.16
<b>23 23 16 00-0169</b>		<b>Sealed In-Line Filter Driers, Solder Connections</b> <small>(23 23 16 00-0159)</small>		
23 23 16 00-0170	EA	1/4" Outside Diameter, 1/4 To 1 Ton, Sealed In-Line Filter Drier, Solder Connections .....	79.28	9.10
23 23 16 00-0171	EA	3/8" Outside Diameter, 1/2 To 2 Ton, Sealed In-Line Filter Drier, Solder Connections .....	101.31	9.10
23 23 16 00-0172	EA	1/2" Outside Diameter, 1 To 7 Ton, Sealed In-Line Filter Drier, Solder Connections .....	129.04	10.10
23 23 16 00-0173	EA	1/2" Outside Diameter, 2 To 7-1/2 Ton, Sealed In-Line Filter Drier, Solder Connections .....	148.80	10.10
23 23 16 00-0174	EA	5/8" Outside Diameter, 2 To 10 Ton, Sealed In-Line Filter Drier, Solder Connections .....	164.01	10.10
23 23 16 00-0175	EA	5/8" Outside Diameter, 4 To 8 Ton, Sealed In-Line Filter Drier, Solder Connections .....	186.93	10.10
23 23 16 00-0176	EA	7/8" Outside Diameter, 5 To 20 Ton, Sealed In-Line Filter Drier, Solder Connections .....	210.66	11.11
23 23 16 00-0177	EA	7/8" Outside Diameter, 7-1/2 To 20 Ton, Sealed In-Line Filter Drier, Solder Connections .....	301.54	11.11
23 23 16 00-0178	EA	1-1/8" Outside Diameter, 15 To 25 Ton, Sealed In-Line Filter Drier, Solder Connections .....	329.60	11.11
<b>23 23 16 00-0179</b>		<b>Bi-Flow Filter Driers, Solder Connections</b> <small>(23 23 16 00-0159)</small>		
23 23 16 00-0180	EA	1/4" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections .....	107.73	9.10
23 23 16 00-0181	EA	3/8" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections .....	121.56	9.10
23 23 16 00-0182	EA	1/2" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections .....	145.61	10.10
23 23 16 00-0183	EA	3/8" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections .....	129.59	9.10
23 23 16 00-0184	EA	1/2" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections .....	162.18	10.10
23 23 16 00-0185	EA	5/8" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections .....	189.78	10.10
<b>23 23 16 00-0186</b>		<b>Refrigerant Compressor Discharge Mufflers</b> <small>(23 23 16)</small>		
23 23 16 00-0187	EA	3/8" Outside Diameter, 2 Ton, Refrigerant Compressor Discharge Muffler .....	98.93	9.10
23 23 16 00-0188	EA	1/2" Outside Diameter, 3 Ton, Refrigerant Compressor Discharge Muffler .....	109.30	9.10
23 23 16 00-0189	EA	5/8" Outside Diameter, 5 Ton, Refrigerant Compressor Discharge Muffler .....	131.52	9.10
23 23 16 00-0190	EA	7/8" Outside Diameter, 7-1/2 To 10 Ton, Refrigerant Compressor Discharge Muffler .....	176.71	11.11
23 23 16 00-0191	EA	1-1/8" Outside Diameter, 10 To 15 Ton, Refrigerant Compressor Discharge Muffler .....	231.05	11.11
23 23 16 00-0192	EA	1-3/8" Outside Diameter, 15 To 25 Ton, Refrigerant Compressor Discharge Muffler .....	274.78	12.12
23 23 16 00-0193	EA	1-5/8" Outside Diameter, 25 To 50 Ton, Refrigerant Compressor Discharge Muffler .....	347.76	13.13
23 23 16 00-0194	EA	2-1/8" Outside Diameter, 50 To 75 Ton, Refrigerant Compressor Discharge Muffler .....	624.16	14.14
23 23 16 00-0195	EA	2-5/8" Outside Diameter, 75 To 100 Ton, Refrigerant Compressor Discharge Muffler .....	701.22	15.16
23 23 16 00-0196	EA	3-1/8" Outside Diameter, 100 To 125 Ton, Refrigerant Compressor Discharge Muffler .....	868.46	15.16
<b>23 23 16 00-0197</b>		<b>Expansion Valves And Vibration Absorbers</b> <small>(23 23 16)</small>		
<b>23 23 16 00-0198</b>		<b>Thermostatic Expansion Valves</b> <small>(23 23 16 00-0197)</small>		
		Note: Outside diameter pipe sizes. Sporlan TP-S.		
23 23 16 00-0199	EA	3/8" In x 5/8" Out, 1/2 To 3 Ton, Thermostatic Expansion Valve .....	204.21	9.10
23 23 16 00-0200	EA	1/2" In x 7/8" Out, 4 To 5 Ton, Thermostatic Expansion Valve .....	284.16	10.10
23 23 16 00-0201	EA	5/8" In x 7/8" Out, 6 To 8 Ton, Thermostatic Expansion Valve .....	477.87	10.10
23 23 16 00-0202	EA	7/8" In x 1-1/8" Out, 7 To 12 Ton, Thermostatic Expansion Valve .....	566.77	11.11

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 23 16 00-0203	EA	7/8" In x 1-3/8" Out, 15 To 20 Ton, Thermostatic Expansion Valve.....	617.28	11.11
<b>23 23 16 00-0204 Electric Expansion Valves</b> <small>(23 23 16 00-0197)</small>				
Note: Sporlan SEI or SEH.				
23 23 16 00-0205	EA	1/2 To 11 Ton Electric Expansion Valve .....	551.95	12.62
Note: Sporlan SEI.				
23 23 16 00-0206	EA	25 Ton Electric Expansion Valve .....	639.74	13.13
Note: Sporlan SEI.				
23 23 16 00-0207	EA	50 Ton Electric Expansion Valve .....	728.03	13.63
Note: Sporlan SEI.				
23 23 16 00-0208	EA	100 Ton Electric Expansion Valve .....	854.39	13.63
Note: Sporlan SEH.				
23 23 16 00-0209	EA	175 Ton Electric Expansion Valve .....	962.44	14.14
Note: Sporlan SEH.				
<b>23 23 16 00-0210 Braided Stainless Steel Over Copper Vibration Absorber</b> <small>(23 23 16 00-0197)</small>				
23 23 16 00-0211	EA	1/4" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	54.29	13.13
23 23 16 00-0212	EA	3/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	55.41	15.16
23 23 16 00-0213	EA	1/2" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	71.57	19.19
23 23 16 00-0214	EA	5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	77.62	23.23
23 23 16 00-0215	EA	3/4" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	91.68	28.28
23 23 16 00-0216	EA	7/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	105.89	32.33
23 23 16 00-0217	EA	1-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber .....	150.65	12.12
23 23 16 00-0218	EA	1-3/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber .....	210.21	13.13
23 23 16 00-0219	EA	1-5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber .....	261.41	13.13
23 23 16 00-0220	EA	2-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber .....	354.25	14.14
23 23 16 00-0221	EA	2-5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber .....	598.57	15.16
23 23 16 00-0222	EA	3-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber .....	782.96	15.16
<b>23 23 16 00-0223 Accumulator, Refrigerant Suction Line</b> <small>(23 23 16)</small>				
23 23 16 00-0224	EA	3/4" Accumulator, Refrigeration Suction Line .....	174.27	45.96
23 23 16 00-0225	EA	7/8" Accumulator, Refrigeration Suction Line .....	236.37	63.13
23 23 16 00-0226	EA	1-1/8" Accumulator, Refrigeration Suction Line .....	283.60	84.14
23 23 16 00-0227	EA	1 3/8" Accumulator, Refrigeration Suction Line .....	396.19	101.01
23 23 16 00-0228	EA	1-5/8" Accumulator, Refrigeration Suction Line .....	543.54	126.27
23 23 16 00-0229	EA	2-1/8" Accumulator, Refrigeration Suction Line .....	821.99	168.39
<b>23 23 16 00-0230 Special Chemicals/Component</b> <small>(23 23 16)</small>				
23 23 16 00-0231	GAL	Special Chemical, Inhibited Propylene Glycol, 100% .....	33.71	
23 23 16 00-0232	GAL	Removal And Storage For Reuse Of Inhibited Propylene Glycol.....	7.83	
23 23 16 00-0233	GAL	Special Chemical, Inhibited Ethylene Glycol, 100%.....	23.02	
23 23 16 00-0234	EA	Internal Coil/Refrigerant Piping Flush .....	293.66	
Note: Up to 10 ton AC system.				
<b>23 23 23 Refrigerants</b> <small>(23 23)</small>				
<b>23 23 23 00-0001 Refrigerant</b> <small>(23 23 23)</small>				
23 23 23 00-0002	LB	R-113 Refrigerant .....	27.39	
23 23 23 00-0003	LB	R-123 Refrigerant .....	20.09	
23 23 23 00-0004	LB	R-134A Refrigerant.....	7.16	
23 23 23 00-0005	LB	R-404A Refrigerant.....	12.82	
23 23 23 00-0006	LB	R-407C Refrigerant.....	12.68	
23 23 23 00-0007	LB	R-408A Refrigerant.....	28.90	
23 23 23 00-0008	LB	R-410A Refrigerant.....	12.42	
23 23 23 00-0009	LB	R-500 Refrigerant .....	24.55	
23 23 23 00-0010	LB	R-507 Refrigerant .....	7.90	
<b>23 25 HVAC Water Treatment</b> <small>(23 20)</small>				
<b>23 25 13 Water Treatment for Closed-Loop Hydronic Systems</b> <small>(23 25)</small>				
<b>23 25 13 00-0001 Polyethylene Chemical Storage Tanks</b> <small>(23 25 13)</small>				
23 25 13 00-0002	EA	15 Gallon Chemical Storage Tank, Polyethylene.....	380.04	84.33
<b>23 25 13 00-0003 Gas Chlorinator</b> <small>(23 25 13)</small>				
23 25 13 00-0004	EA	Gas Chlorinator, Wall Or Cylinder Mounted (10 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit.....	1,117.55	383.68
For Booster Pump, Add			432.67	
23 25 13 00-0005	EA	Gas Chlorinator, Wall Or Cylinder Mounted (25 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit.....	1,276.74	438.50
For Booster Pump, Add			494.56	
23 25 13 00-0006	EA	Gas Chlorinator, Wall Or Cylinder Mounted (50 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit.....	1,769.71	332.16
For Booster Pump, Add			606.53	
<b>23 25 13 00-0007 Bypass Shot Feeders</b> <small>(23 25 13)</small>				
Note: Includes up to 4 ports (in, out, fill and drain). Excludes valves.				

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 20 HVAC Piping and Pumps**

**23 25 HVAC Water Treatment**



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 25 13 00-0008	In Line Mount, 125 PSIG <small>(23 25 13 00-0007)</small>		
23 25 13 00-0009	EA 1.7 Gallon Bypass Shot Chemical Feeder In Line Mount, 125 PSIG .....	1,011.96	285.86
23 25 13 00-0010	Floor Mount, 175 PSIG <small>(23 25 13 00-0007)</small>		
23 25 13 00-0011	EA 5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 175 PSIG.....	1,487.43	430.31
23 25 13 00-0012	EA 12 Gallon Bypass Shot Chemical Feeder, Floor Mount, 175 PSIG.....	1,960.88	569.71
23 25 13 00-0013	Floor Mount, 150 LB ASME Code <small>(23 25 13 00-0007)</small>		
23 25 13 00-0014	EA 5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 150 LB ASME Code .....	1,487.43	430.31
23 25 13 00-0015	EA 10 Gallon Bypass Shot Chemical Feeder, Floor Mount, 150 LB ASME Code .....	1,960.88	569.71
23 25 13 00-0016	Floor Mount, 300 LB ASME Code <small>(23 25 13 00-0007)</small>		
23 25 13 00-0017	EA 5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 300 LB ASME Code .....	1,872.14	430.31
23 25 13 00-0018	EA 10 Gallon Bypass Shot Chemical Feeder, Floor Mount, 300 LB ASME Code .....	2,360.35	569.71

**23 30 HVAC Air Distribution (23)**

**23 31 HVAC Ducts and Casings (23 30)**

Note: Excludes angle iron, threaded rod, anchor bolts or other external supporting devices other than normal sheet metal straps. See CSI section 05 12 23 00-0409 for angle iron, 23 05 29 00-0001 for threaded rod.

**23 31 13 Metal Ducts (23 31)**

**23 31 13 13 Rectangular Metal Ducts (23 31 13)**

23 31 13 13-0001	Steel Sheet Metal Duct <small>(23 31 13 13)</small>		
Note: Includes all fittings, transitions, collars, straps, support straps, fabrication, installation and sealing the joints by tape, mastic, or spray on sealer.			
23 31 13 13-0002	Galvanized Steel Sheet Metal Ductwork <small>(23 31 13 13-0001)</small>		
Note: SMACNA weight for galvanized steel ductwork LB/SF (surface areas) by gauge: 26 gauge - 0.906 LB/SF; 24 gauge - 1.156 LB/SF; 22 gauge - 1.406 LB/SF; 20 gauge - 1.656 LB/SF; 18 gauge - 2.156 LB/SF; 16 gauge - 2.656 LB/SF			
23 31 13 13-0003	LB 2" WG And Less (Class C), Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork.....	11.28	2.94
	For Polyvinyl Chloride (PVC) Coated, Add	0.45	
	For Up To 200, Add	4.05	
	For >200 To 500, Add	2.59	
	For >500 To 1,000, Add	1.74	
	For >1,000 To 2,000, Add	0.97	
	For >2,000 To 5,000, Add	0.43	
	For Work In Restricted Working Space, Add	2.72	
	For Elevated Installation >10' To 15', Add	0.54	
	For Elevated Installation >15' To 20', Add	1.09	
	For Elevated Installation >20' To 25', Add	1.36	
	For Elevated Installation >25' To 30', Add	1.90	
	For Elevated Installation >30' To 35', Add	2.17	
	For Elevated Installation >35' To 40', Add	2.72	
	For Elevated Installation >40', Add	2.99	
23 31 13 13-0004	LB 3" WG (Class B), Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork .....	12.63	2.94
	For Polyvinyl Chloride (PVC) Coated, Add	0.45	
	For Up To 200, Add	4.46	
	For >200 To 500, Add	2.83	
	For >500 To 1,000, Add	1.92	
	For >1,000 To 2,000, Add	1.08	
	For >2,000 To 5,000, Add	0.48	
	For Work In Restricted Working Space, Add	3.12	
	For Elevated Installation >10' To 15', Add	0.62	
	For Elevated Installation >15' To 20', Add	1.25	
	For Elevated Installation >20' To 25', Add	1.56	
	For Elevated Installation >25' To 30', Add	2.18	
	For Elevated Installation >30' To 35', Add	2.50	
	For Elevated Installation >35' To 40', Add	3.12	
	For Elevated Installation >40', Add	3.43	
23 31 13 13-0005	LB 4" Or 6" WG (Class A), Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork.....	14.89	2.94
	For Polyvinyl Chloride (PVC) Coated, Add	0.45	
	For Up To 200, Add	5.14	
	For >200 To 500, Add	3.24	
	For >500 To 1,000, Add	2.24	
	For >1,000 To 2,000, Add	1.26	
	For >2,000 To 5,000, Add	0.57	
	For Work In Restricted Working Space, Add	3.80	
	For Elevated Installation >10' To 15', Add	0.76	
	For Elevated Installation >15' To 20', Add	1.52	
	For Elevated Installation >20' To 25', Add	1.90	
	For Elevated Installation >25' To 30', Add	2.66	
	For Elevated Installation >30' To 35', Add	3.04	
	For Elevated Installation >35' To 40', Add	3.80	
	For Elevated Installation >40', Add	4.18	
23 31 13 13-0006	Alloy 3003-H14, Aluminum Sheet Metal Ductwork <small>(23 31 13 13-0001)</small>		
Note: SMACNA weight for aluminum ductwork LB/SF (surface areas) by gauge: 26 gauge - 0.224 LB/SF; 24 gauge - 0.282 LB/SF; 22 gauge - 0.352 LB/SF; 20 gauge - 0.451 LB/SF; 18 gauge - 0.563 LB/SF; 16 gauge - 0.718 LB/SF; 14 gauge - 0.901 LB/SF; 12 gauge - 0.141 LB/SF			



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0007	LB		2" WG And Less (Class C), Alloy 3003-H14, Aluminum Sheet Metal Ductwork .....	21.55	2.94
			For Work In Restricted Working Space, Add	5.36	
			For Up To 200, Add	7.57	
			For >200 To 500, Add	4.80	
			For >500 To 1,000, Add	3.27	
			For >1,000 To 2,000, Add	1.83	
			For >2,000 To 5,000, Add	0.83	
			For Elevated Installation >10' To 15', Add	1.07	
			For Elevated Installation >15' To 20', Add	2.15	
			For Elevated Installation >20' To 25', Add	2.68	
			For Elevated Installation >25' To 30', Add	3.75	
			For Elevated Installation >30' To 35', Add	4.29	
			For Elevated Installation >35' To 40', Add	5.36	
			For Elevated Installation >40', Add	5.90	
23 31 13 13-0008	LB		3" WG (Class B), Alloy 3003-H14, Aluminum Sheet Metal Ductwork .....	24.23	2.94
			For Work In Restricted Working Space, Add	6.17	
			For Up To 200, Add	8.37	
			For >200 To 500, Add	5.28	
			For >500 To 1,000, Add	3.65	
			For >1,000 To 2,000, Add	2.05	
			For >2,000 To 5,000, Add	0.93	
			For Elevated Installation >10' To 15', Add	1.23	
			For Elevated Installation >15' To 20', Add	2.47	
			For Elevated Installation >20' To 25', Add	3.08	
			For Elevated Installation >25' To 30', Add	4.32	
			For Elevated Installation >30' To 35', Add	4.93	
			For Elevated Installation >35' To 40', Add	6.17	
			For Elevated Installation >40', Add	6.78	
23 31 13 13-0009	LB		4" Or 6" WG (Class A), Alloy 3003-H14, Aluminum Sheet Metal Ductwork .....	28.70	2.94
			For Work In Restricted Working Space, Add	7.51	
			For Up To 200, Add	9.71	
			For >200 To 500, Add	6.08	
			For >500 To 1,000, Add	4.27	
			For >1,000 To 2,000, Add	2.41	
			For >2,000 To 5,000, Add	1.11	
			For Elevated Installation >10' To 15', Add	1.50	
			For Elevated Installation >15' To 20', Add	3.00	
			For Elevated Installation >20' To 25', Add	3.75	
			For Elevated Installation >25' To 30', Add	5.26	
			For Elevated Installation >30' To 35', Add	6.01	
			For Elevated Installation >35' To 40', Add	7.51	
			For Elevated Installation >40', Add	8.26	
23 31 13 13-0010			<b>Type 304, Stainless Steel Sheet Metal Ductwork</b> <small>(23 31 13 13-0001)</small>		
			Note: SMACNA weight for stainless steel ductwork LB/SF (surface areas) by gauge: 26 gauge - 0.748 LB/SF; 24 gauge - 0.987 LB/SF; 22 gauge - 1.231 LB/SF; 20 gauge - 1.491 LB/SF; 18 gauge - 2.016 LB/SF; 16 gauge - 2.499 LB/SF; 14 gauge - 3.154 LB/SF; 12 gauge - 4.427 LB/SF		
23 31 13 13-0011	LB		2" WG And Less (Class C), Type 304, Stainless Steel Sheet Metal Ductwork .....	15.74	3.91
			For Work In Restricted Working Space, Add	3.30	
			For Welded Seams, Add	5.73	
			For Up To 200, Add	6.15	
			For >200 To 500, Add	4.02	
			For >500 To 1,000, Add	2.54	
			For >1,000 To 2,000, Add	1.40	
			For >2,000 To 5,000, Add	0.58	
			For Elevated Installation >10' To 15', Add	0.66	
			For Elevated Installation >15' To 20', Add	1.32	
			For Elevated Installation >20' To 25', Add	1.65	
			For Elevated Installation >25' To 30', Add	2.31	
			For Elevated Installation >30' To 35', Add	2.64	
			For Elevated Installation >35' To 40', Add	3.30	
			For Elevated Installation >40', Add	3.63	
23 31 13 13-0012	LB		3" WG (Class B), Type 304, Stainless Steel Sheet Metal Ductwork .....	18.00	3.91
			For Work In Restricted Working Space, Add	3.98	
			For Welded Seams, Add	6.86	
			For Up To 200, Add	6.83	
			For >200 To 500, Add	4.43	
			For >500 To 1,000, Add	2.85	
			For >1,000 To 2,000, Add	1.58	
			For >2,000 To 5,000, Add	0.67	
			For Elevated Installation >10' To 15', Add	0.80	
			For Elevated Installation >15' To 20', Add	1.59	
			For Elevated Installation >20' To 25', Add	1.99	
			For Elevated Installation >25' To 30', Add	2.78	
			For Elevated Installation >30' To 35', Add	3.18	
			For Elevated Installation >35' To 40', Add	3.98	
			For Elevated Installation >40', Add	4.37	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 31 13 13-0013	LB	4" Or 6" WG (Class A), Type 304, Stainless Steel Sheet Metal Ductwork.....	20.12	3.91
		<i>For Work In Restricted Working Space, Add</i>	4.61	
		<i>For Welded Seams, Add</i>	7.92	
		<i>For Up To 200, Add</i>	7.46	
		<i>For &gt;200 To 500, Add</i>	4.81	
		<i>For &gt;500 To 1,000, Add</i>	3.15	
		<i>For &gt;1,000 To 2,000, Add</i>	1.75	
		<i>For &gt;2,000 To 5,000, Add</i>	0.76	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	0.92	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	1.84	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	2.31	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	3.23	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	3.69	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	4.61	
		<i>For Elevated Installation &gt;40', Add</i>	5.07	
23 31 13 13-0014		<b>Galvanized Steel Sheet Metal Ductwork By LF</b> <small>(23 31 13 13-0001)</small>		
		Note: Ductwork includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed. For fittings add the following equivalent lengths: 0.75' for duct end cap; 1.5' for tap-in; 2.5' for 45 degree elbows; 3' for 90 degree elbows, transition, taper, register box; 4' for 45 degree reducing elbow, offset, turning vanes installed in elbows; 5' for 90 degree reducing elbow, 135 degree angle gooseneck, boots; and 6' for transition/reducer.		
23 31 13 13-0015		<b>30 Gauge Galvanized Steel Metal Ductwork</b> <small>(23 31 13 13-0014)</small>		
23 31 13 13-0016	LF	4" x 4", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	11.53	6.04
		<i>For 3" WG (Class B), Add</i>	1.51	
		<i>For 4" Or 6" WG (Class A), Add</i>	3.23	
		<i>For 10" WG (Class A), Add</i>	4.64	
		<i>For Work In Restricted Working Space, Add</i>	3.02	
23 31 13 13-0017	LF	4" x 6", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	14.40	7.55
		<i>For 3" WG (Class B), Add</i>	1.89	
		<i>For 4" Or 6" WG (Class A), Add</i>	4.03	
		<i>For 10" WG (Class A), Add</i>	5.79	
		<i>For Work In Restricted Working Space, Add</i>	3.78	
23 31 13 13-0018	LF	4" x 8", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	17.28	9.07
		<i>For 3" WG (Class B), Add</i>	2.27	
		<i>For 4" Or 6" WG (Class A), Add</i>	4.83	
		<i>For 10" WG (Class A), Add</i>	6.95	
		<i>For Work In Restricted Working Space, Add</i>	4.53	
23 31 13 13-0019	LF	4" x 10", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	20.16	10.57
		<i>For 3" WG (Class B), Add</i>	2.64	
		<i>For 4" Or 6" WG (Class A), Add</i>	5.64	
		<i>For 10" WG (Class A), Add</i>	8.11	
		<i>For Work In Restricted Working Space, Add</i>	5.29	
23 31 13 13-0020	LF	4" x 12", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	23.05	12.08
		<i>For 3" WG (Class B), Add</i>	3.02	
		<i>For 4" Or 6" WG (Class A), Add</i>	6.44	
		<i>For 10" WG (Class A), Add</i>	9.26	
		<i>For Work In Restricted Working Space, Add</i>	6.04	
23 31 13 13-0021	LF	4" x 14", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	25.91	13.60
		<i>For 3" WG (Class B), Add</i>	3.40	
		<i>For 4" Or 6" WG (Class A), Add</i>	7.25	
		<i>For 10" WG (Class A), Add</i>	10.42	
		<i>For Work In Restricted Working Space, Add</i>	6.80	
23 31 13 13-0022	LF	4" x 16", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	28.80	15.10
		<i>For 3" WG (Class B), Add</i>	3.78	
		<i>For 4" Or 6" WG (Class A), Add</i>	8.06	
		<i>For 10" WG (Class A), Add</i>	11.58	
		<i>For Work In Restricted Working Space, Add</i>	7.55	
23 31 13 13-0023	LF	6" x 6", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	17.28	9.07
		<i>For 3" WG (Class B), Add</i>	2.27	
		<i>For 4" Or 6" WG (Class A), Add</i>	4.83	
		<i>For 10" WG (Class A), Add</i>	6.95	
		<i>For Work In Restricted Working Space, Add</i>	4.53	
23 31 13 13-0024	LF	6" x 8", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	20.16	10.57
		<i>For 3" WG (Class B), Add</i>	2.64	
		<i>For 4" Or 6" WG (Class A), Add</i>	5.64	
		<i>For 10" WG (Class A), Add</i>	8.11	
		<i>For Work In Restricted Working Space, Add</i>	5.29	
23 31 13 13-0025	LF	6" x 10", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	23.05	12.08
		<i>For 3" WG (Class B), Add</i>	3.02	
		<i>For 4" Or 6" WG (Class A), Add</i>	6.44	
		<i>For 10" WG (Class A), Add</i>	9.26	
		<i>For Work In Restricted Working Space, Add</i>	6.04	
23 31 13 13-0026	LF	6" x 12", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	25.91	13.60
		<i>For 3" WG (Class B), Add</i>	3.40	
		<i>For 4" Or 6" WG (Class A), Add</i>	7.25	
		<i>For 10" WG (Class A), Add</i>	10.42	
		<i>For Work In Restricted Working Space, Add</i>	6.80	
23 31 13 13-0027	LF	6" x 14", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	28.80	15.10
		<i>For 3" WG (Class B), Add</i>	3.78	
		<i>For 4" Or 6" WG (Class A), Add</i>	8.06	
		<i>For 10" WG (Class A), Add</i>	11.58	
		<i>For Work In Restricted Working Space, Add</i>	7.55	
23 31 13 13-0028	LF	6" x 16", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	31.68	16.62
		<i>For 3" WG (Class B), Add</i>	4.15	
		<i>For 4" Or 6" WG (Class A), Add</i>	8.86	
		<i>For 10" WG (Class A), Add</i>	12.74	
		<i>For Work In Restricted Working Space, Add</i>	8.31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0029	LF	8" x 8", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	23.05	12.08	
		For 3" WG (Class B), Add	3.02		
		For 4" Or 6" WG (Class A), Add	6.44		
		For 10" WG (Class A), Add	9.26		
		For Work In Restricted Working Space, Add	6.04		
23 31 13 13-0030	LF	8" x 10", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	25.91	13.60	
		For 3" WG (Class B), Add	3.40		
		For 4" Or 6" WG (Class A), Add	7.25		
		For 10" WG (Class A), Add	10.42		
		For Work In Restricted Working Space, Add	6.80		
23 31 13 13-0031	LF	8" x 12", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	28.80	15.10	
		For 3" WG (Class B), Add	3.78		
		For 4" Or 6" WG (Class A), Add	8.06		
		For 10" WG (Class A), Add	11.58		
		For Work In Restricted Working Space, Add	7.55		
23 31 13 13-0032	LF	8" x 14", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	31.68	16.62	
		For 3" WG (Class B), Add	4.15		
		For 4" Or 6" WG (Class A), Add	8.86		
		For 10" WG (Class A), Add	12.74		
		For Work In Restricted Working Space, Add	8.31		
23 31 13 13-0033	LF	8" x 16", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	34.55	18.12	
		For 3" WG (Class B), Add	4.53		
		For 4" Or 6" WG (Class A), Add	9.67		
		For 10" WG (Class A), Add	13.90		
		For Work In Restricted Working Space, Add	9.06		
23 31 13 13-0034	LF	8" x 18", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	37.45	19.64	
		For 3" WG (Class B), Add	4.91		
		For 4" Or 6" WG (Class A), Add	10.47		
		For 10" WG (Class A), Add	15.06		
		For Work In Restricted Working Space, Add	9.82		
23 31 13 13-0035	LF	8" x 20", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	40.31	21.15	
		For 3" WG (Class B), Add	5.29		
		For 4" Or 6" WG (Class A), Add	11.28		
		For 10" WG (Class A), Add	16.21		
		For Work In Restricted Working Space, Add	10.57		
23 31 13 13-0036	LF	8" x 22", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	43.20	22.65	
		For 3" WG (Class B), Add	5.66		
		For 4" Or 6" WG (Class A), Add	12.08		
		For 10" WG (Class A), Add	17.37		
		For Work In Restricted Working Space, Add	11.33		
23 31 13 13-0037	LF	8" x 24", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	46.07	24.17	
		For 3" WG (Class B), Add	6.04		
		For 4" Or 6" WG (Class A), Add	12.89		
		For 10" WG (Class A), Add	18.52		
		For Work In Restricted Working Space, Add	12.08		
23 31 13 13-0038	LF	10" x 10", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	28.80	15.10	
		For 3" WG (Class B), Add	3.78		
		For 4" Or 6" WG (Class A), Add	8.06		
		For 10" WG (Class A), Add	11.58		
		For Work In Restricted Working Space, Add	7.55		
23 31 13 13-0039	LF	10" x 12", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	31.68	16.62	
		For 3" WG (Class B), Add	4.15		
		For 4" Or 6" WG (Class A), Add	8.86		
		For 10" WG (Class A), Add	12.74		
		For Work In Restricted Working Space, Add	8.31		
23 31 13 13-0040	LF	10" x 14", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	34.55	18.12	
		For 3" WG (Class B), Add	4.53		
		For 4" Or 6" WG (Class A), Add	9.67		
		For 10" WG (Class A), Add	13.90		
		For Work In Restricted Working Space, Add	9.06		
23 31 13 13-0041	LF	10" x 16", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	37.45	19.64	
		For 3" WG (Class B), Add	4.91		
		For 4" Or 6" WG (Class A), Add	10.47		
		For 10" WG (Class A), Add	15.06		
		For Work In Restricted Working Space, Add	9.82		
23 31 13 13-0042	LF	10" x 18", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	40.31	21.15	
		For 3" WG (Class B), Add	5.29		
		For 4" Or 6" WG (Class A), Add	11.28		
		For 10" WG (Class A), Add	16.21		
		For Work In Restricted Working Space, Add	10.57		
23 31 13 13-0043	LF	10" x 20", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	43.20	22.65	
		For 3" WG (Class B), Add	5.66		
		For 4" Or 6" WG (Class A), Add	12.08		
		For 10" WG (Class A), Add	17.37		
		For Work In Restricted Working Space, Add	11.33		
23 31 13 13-0044	LF	10" x 22", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	46.07	24.17	
		For 3" WG (Class B), Add	6.04		
		For 4" Or 6" WG (Class A), Add	12.89		
		For 10" WG (Class A), Add	18.52		
		For Work In Restricted Working Space, Add	12.08		
23 31 13 13-0045	LF	10" x 24", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	48.96	25.67	
		For 3" WG (Class B), Add	6.42		
		For 4" Or 6" WG (Class A), Add	13.69		
		For 10" WG (Class A), Add	19.68		
		For Work In Restricted Working Space, Add	12.84		
23 31 13 13-0046	LF	12" x 12", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	34.55	18.12	
		For 3" WG (Class B), Add	4.53		
		For 4" Or 6" WG (Class A), Add	9.67		
		For 10" WG (Class A), Add	13.90		
		For Work In Restricted Working Space, Add	9.06		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 31 HVAC Ducts and Casings**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13 13-0047	LF	12" x 14", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	37.45	19.64
			For 3" WG (Class B), Add	4.91	
			For 4" Or 6" WG (Class A), Add	10.47	
			For 10" WG (Class A), Add	15.06	
			For Work In Restricted Working Space, Add	9.82	
23 31	13 13-0048	LF	12" x 16", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	40.31	21.15
			For 3" WG (Class B), Add	5.29	
			For 4" Or 6" WG (Class A), Add	11.28	
			For 10" WG (Class A), Add	16.21	
			For Work In Restricted Working Space, Add	10.57	
23 31	13 13-0049	LF	12" x 18", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	43.20	22.65
			For 3" WG (Class B), Add	5.66	
			For 4" Or 6" WG (Class A), Add	12.08	
			For 10" WG (Class A), Add	17.37	
			For Work In Restricted Working Space, Add	11.33	
23 31	13 13-0050	LF	12" x 20", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	46.07	24.17
			For 3" WG (Class B), Add	6.04	
			For 4" Or 6" WG (Class A), Add	12.89	
			For 10" WG (Class A), Add	18.52	
			For Work In Restricted Working Space, Add	12.08	
23 31	13 13-0051	LF	12" x 22", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	48.96	25.67
			For 3" WG (Class B), Add	6.42	
			For 4" Or 6" WG (Class A), Add	13.69	
			For 10" WG (Class A), Add	19.68	
			For Work In Restricted Working Space, Add	12.84	
23 31	13 13-0052	LF	12" x 24", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	51.84	27.19
			For 3" WG (Class B), Add	6.80	
			For 4" Or 6" WG (Class A), Add	14.50	
			For 10" WG (Class A), Add	20.85	
			For Work In Restricted Working Space, Add	13.60	
23 31	13 13-0053	LF	14" x 14", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	40.31	21.15
			For 3" WG (Class B), Add	5.29	
			For 4" Or 6" WG (Class A), Add	11.28	
			For 10" WG (Class A), Add	16.21	
			For Work In Restricted Working Space, Add	10.57	
23 31	13 13-0054	LF	14" x 16", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	43.20	22.65
			For 3" WG (Class B), Add	5.66	
			For 4" Or 6" WG (Class A), Add	12.08	
			For 10" WG (Class A), Add	17.37	
			For Work In Restricted Working Space, Add	11.33	
23 31	13 13-0055	LF	14" x 18", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	46.07	24.17
			For 3" WG (Class B), Add	6.04	
			For 4" Or 6" WG (Class A), Add	12.89	
			For 10" WG (Class A), Add	18.52	
			For Work In Restricted Working Space, Add	12.08	
23 31	13 13-0056	LF	14" x 20", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	48.96	25.67
			For 3" WG (Class B), Add	6.42	
			For 4" Or 6" WG (Class A), Add	13.69	
			For 10" WG (Class A), Add	19.68	
			For Work In Restricted Working Space, Add	12.84	
23 31	13 13-0057	LF	14" x 22", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	51.84	27.19
			For 3" WG (Class B), Add	6.80	
			For 4" Or 6" WG (Class A), Add	14.50	
			For 10" WG (Class A), Add	20.85	
			For Work In Restricted Working Space, Add	13.60	
23 31	13 13-0058	LF	14" x 24", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	54.73	28.70
			For 3" WG (Class B), Add	7.17	
			For 4" Or 6" WG (Class A), Add	15.31	
			For 10" WG (Class A), Add	22.00	
			For Work In Restricted Working Space, Add	14.35	
23 31	13 13-0059	LF	16" x 16", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	46.07	24.17
			For 3" WG (Class B), Add	6.04	
			For 4" Or 6" WG (Class A), Add	12.89	
			For 10" WG (Class A), Add	18.52	
			For Work In Restricted Working Space, Add	12.08	
23 31	13 13-0060	LF	16" x 18", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	48.96	25.67
			For 3" WG (Class B), Add	6.42	
			For 4" Or 6" WG (Class A), Add	13.69	
			For 10" WG (Class A), Add	19.68	
			For Work In Restricted Working Space, Add	12.84	
23 31	13 13-0061	LF	16" x 20", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	51.84	27.19
			For 3" WG (Class B), Add	6.80	
			For 4" Or 6" WG (Class A), Add	14.50	
			For 10" WG (Class A), Add	20.85	
			For Work In Restricted Working Space, Add	13.60	
23 31	13 13-0062	LF	16" x 22", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	54.73	28.70
			For 3" WG (Class B), Add	7.17	
			For 4" Or 6" WG (Class A), Add	15.31	
			For 10" WG (Class A), Add	22.00	
			For Work In Restricted Working Space, Add	14.35	
23 31	13 13-0063	LF	16" x 24", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	57.60	30.21
			For 3" WG (Class B), Add	7.55	
			For 4" Or 6" WG (Class A), Add	16.11	
			For 10" WG (Class A), Add	23.16	
			For Work In Restricted Working Space, Add	15.11	
23 31	13 13-0064	LF	18" x 18", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	51.84	27.19
			For 3" WG (Class B), Add	6.80	
			For 4" Or 6" WG (Class A), Add	14.50	
			For 10" WG (Class A), Add	20.85	
			For Work In Restricted Working Space, Add	13.60	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0065	LF	18" x 20", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	54.73	28.70	
		For 3" WG (Class B), Add	7.17		
		For 4" Or 6" WG (Class A), Add	15.31		
		For 10" WG (Class A), Add	22.00		
		For Work In Restricted Working Space, Add	14.35		
23 31 13 13-0066	LF	18" x 22", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	57.60	30.21	
		For 3" WG (Class B), Add	7.55		
		For 4" Or 6" WG (Class A), Add	16.11		
		For 10" WG (Class A), Add	23.16		
		For Work In Restricted Working Space, Add	15.11		
23 31 13 13-0067	LF	18" x 24", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	60.46	31.72	
		For 3" WG (Class B), Add	7.93		
		For 4" Or 6" WG (Class A), Add	16.92		
		For 10" WG (Class A), Add	24.32		
		For Work In Restricted Working Space, Add	15.86		
23 31 13 13-0068	LF	20" x 20", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	57.60	30.21	
		For 3" WG (Class B), Add	7.55		
		For 4" Or 6" WG (Class A), Add	16.11		
		For 10" WG (Class A), Add	23.16		
		For Work In Restricted Working Space, Add	15.11		
23 31 13 13-0069	LF	20" x 22", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	60.46	31.72	
		For 3" WG (Class B), Add	7.93		
		For 4" Or 6" WG (Class A), Add	16.92		
		For 10" WG (Class A), Add	24.32		
		For Work In Restricted Working Space, Add	15.86		
23 31 13 13-0070	LF	20" x 24", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	63.35	33.22	
		For 3" WG (Class B), Add	8.31		
		For 4" Or 6" WG (Class A), Add	17.72		
		For 10" WG (Class A), Add	25.47		
		For Work In Restricted Working Space, Add	16.61		
23 31 13 13-0071	LF	22" x 22", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	63.35	33.22	
		For 3" WG (Class B), Add	8.31		
		For 4" Or 6" WG (Class A), Add	17.72		
		For 10" WG (Class A), Add	25.47		
		For Work In Restricted Working Space, Add	16.61		
23 31 13 13-0072	LF	22" x 24", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	66.23	34.74	
		For 3" WG (Class B), Add	8.69		
		For 4" Or 6" WG (Class A), Add	18.53		
		For 10" WG (Class A), Add	26.63		
		For Work In Restricted Working Space, Add	17.37		
23 31 13 13-0073	LF	24" x 24", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	69.12	36.25	
		For 3" WG (Class B), Add	9.06		
		For 4" Or 6" WG (Class A), Add	19.33		
		For 10" WG (Class A), Add	27.79		
		For Work In Restricted Working Space, Add	18.13		
<b>23 31 13 13-0074</b>		<b>28 Gauge Galvanized Steel Metal Ductwork</b> <small>(23 31 13 13-0014)</small>			
23 31 13 13-0075	LF	4" x 4", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	13.71	7.19	
		For 3" WG (Class B), Add	1.80		
		For 4" Or 6" WG (Class A), Add	3.84		
		For 10" WG (Class A), Add	5.52		
		For Work In Restricted Working Space, Add	3.60		
23 31 13 13-0076	LF	4" x 6", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	17.15	8.99	
		For 3" WG (Class B), Add	2.25		
		For 4" Or 6" WG (Class A), Add	4.80		
		For 10" WG (Class A), Add	6.90		
		For Work In Restricted Working Space, Add	4.50		
23 31 13 13-0077	LF	4" x 8", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	20.58	10.78	
		For 3" WG (Class B), Add	2.70		
		For 4" Or 6" WG (Class A), Add	5.76		
		For 10" WG (Class A), Add	8.28		
		For Work In Restricted Working Space, Add	5.40		
23 31 13 13-0078	LF	4" x 10", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	23.99	12.59	
		For 3" WG (Class B), Add	3.15		
		For 4" Or 6" WG (Class A), Add	6.71		
		For 10" WG (Class A), Add	9.65		
		For Work In Restricted Working Space, Add	6.29		
23 31 13 13-0079	LF	4" x 12", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	27.43	14.39	
		For 3" WG (Class B), Add	3.60		
		For 4" Or 6" WG (Class A), Add	7.67		
		For 10" WG (Class A), Add	11.03		
		For Work In Restricted Working Space, Add	7.19		
23 31 13 13-0080	LF	4" x 14", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	30.85	16.18	
		For 3" WG (Class B), Add	4.05		
		For 4" Or 6" WG (Class A), Add	8.63		
		For 10" WG (Class A), Add	12.41		
		For Work In Restricted Working Space, Add	8.09		
23 31 13 13-0081	LF	4" x 16", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	34.28	17.99	
		For 3" WG (Class B), Add	4.50		
		For 4" Or 6" WG (Class A), Add	9.59		
		For 10" WG (Class A), Add	13.79		
		For Work In Restricted Working Space, Add	8.99		
23 31 13 13-0082	LF	6" x 6", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	20.58	10.78	
		For 3" WG (Class B), Add	2.70		
		For 4" Or 6" WG (Class A), Add	5.76		
		For 10" WG (Class A), Add	8.28		
		For Work In Restricted Working Space, Add	5.40		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 31 13 13-0083	LF	6" x 8", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	23.99	12.59
		For 3" WG (Class B), Add	3.15	
		For 4" Or 6" WG (Class A), Add	6.71	
		For 10" WG (Class A), Add	9.65	
		For Work In Restricted Working Space, Add	6.29	
23 31 13 13-0084	LF	6" x 10", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	27.43	14.39
		For 3" WG (Class B), Add	3.60	
		For 4" Or 6" WG (Class A), Add	7.67	
		For 10" WG (Class A), Add	11.03	
		For Work In Restricted Working Space, Add	7.19	
23 31 13 13-0085	LF	6" x 12", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	30.85	16.18
		For 3" WG (Class B), Add	4.05	
		For 4" Or 6" WG (Class A), Add	8.63	
		For 10" WG (Class A), Add	12.41	
		For Work In Restricted Working Space, Add	8.09	
23 31 13 13-0086	LF	6" x 14", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	34.28	17.99
		For 3" WG (Class B), Add	4.50	
		For 4" Or 6" WG (Class A), Add	9.59	
		For 10" WG (Class A), Add	13.79	
		For Work In Restricted Working Space, Add	8.99	
23 31 13 13-0087	LF	6" x 16", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	37.72	19.78
		For 3" WG (Class B), Add	4.95	
		For 4" Or 6" WG (Class A), Add	10.55	
		For 10" WG (Class A), Add	15.17	
		For Work In Restricted Working Space, Add	9.89	
23 31 13 13-0088	LF	8" x 8", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	27.43	14.39
		For 3" WG (Class B), Add	3.60	
		For 4" Or 6" WG (Class A), Add	7.67	
		For 10" WG (Class A), Add	11.03	
		For Work In Restricted Working Space, Add	7.19	
23 31 13 13-0089	LF	8" x 10", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	30.85	16.18
		For 3" WG (Class B), Add	4.05	
		For 4" Or 6" WG (Class A), Add	8.63	
		For 10" WG (Class A), Add	12.41	
		For Work In Restricted Working Space, Add	8.09	
23 31 13 13-0090	LF	8" x 12", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	34.28	17.99
		For 3" WG (Class B), Add	4.50	
		For 4" Or 6" WG (Class A), Add	9.59	
		For 10" WG (Class A), Add	13.79	
		For Work In Restricted Working Space, Add	8.99	
23 31 13 13-0091	LF	8" x 14", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	37.72	19.78
		For 3" WG (Class B), Add	4.95	
		For 4" Or 6" WG (Class A), Add	10.55	
		For 10" WG (Class A), Add	15.17	
		For Work In Restricted Working Space, Add	9.89	
23 31 13 13-0092	LF	8" x 16", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	41.14	21.58
		For 3" WG (Class B), Add	5.39	
		For 4" Or 6" WG (Class A), Add	11.51	
		For 10" WG (Class A), Add	16.54	
		For Work In Restricted Working Space, Add	10.79	
23 31 13 13-0093	LF	8" x 18", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	44.56	23.37
		For 3" WG (Class B), Add	5.84	
		For 4" Or 6" WG (Class A), Add	12.47	
		For 10" WG (Class A), Add	17.92	
		For Work In Restricted Working Space, Add	11.69	
23 31 13 13-0094	LF	8" x 20", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	48.00	25.18
		For 3" WG (Class B), Add	6.29	
		For 4" Or 6" WG (Class A), Add	13.43	
		For 10" WG (Class A), Add	19.30	
		For Work In Restricted Working Space, Add	12.59	
23 31 13 13-0095	LF	8" x 22", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	51.42	26.97
		For 3" WG (Class B), Add	6.74	
		For 4" Or 6" WG (Class A), Add	14.38	
		For 10" WG (Class A), Add	20.68	
		For Work In Restricted Working Space, Add	13.49	
23 31 13 13-0096	LF	8" x 24", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	54.86	28.77
		For 3" WG (Class B), Add	7.19	
		For 4" Or 6" WG (Class A), Add	15.34	
		For 10" WG (Class A), Add	22.06	
		For Work In Restricted Working Space, Add	14.39	
23 31 13 13-0097	LF	10" x 10", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	34.28	17.99
		For 3" WG (Class B), Add	4.50	
		For 4" Or 6" WG (Class A), Add	9.59	
		For 10" WG (Class A), Add	13.79	
		For Work In Restricted Working Space, Add	8.99	
23 31 13 13-0098	LF	10" x 12", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	37.72	19.78
		For 3" WG (Class B), Add	4.95	
		For 4" Or 6" WG (Class A), Add	10.55	
		For 10" WG (Class A), Add	15.17	
		For Work In Restricted Working Space, Add	9.89	
23 31 13 13-0099	LF	10" x 14", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	41.14	21.58
		For 3" WG (Class B), Add	5.39	
		For 4" Or 6" WG (Class A), Add	11.51	
		For 10" WG (Class A), Add	16.54	
		For Work In Restricted Working Space, Add	10.79	
23 31 13 13-0100	LF	10" x 16", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	44.56	23.37
		For 3" WG (Class B), Add	5.84	
		For 4" Or 6" WG (Class A), Add	12.47	
		For 10" WG (Class A), Add	17.92	
		For Work In Restricted Working Space, Add	11.69	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0101	LF		10" x 18", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	48.00	25.18
			For 3" WG (Class B), Add	6.29	
			For 4" Or 6" WG (Class A), Add	13.43	
			For 10" WG (Class A), Add	19.30	
			For Work In Restricted Working Space, Add	12.59	
23 31 13 13-0102	LF		10" x 20", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	51.42	26.97
			For 3" WG (Class B), Add	6.74	
			For 4" Or 6" WG (Class A), Add	14.38	
			For 10" WG (Class A), Add	20.68	
			For Work In Restricted Working Space, Add	13.49	
23 31 13 13-0103	LF		10" x 22", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	54.86	28.77
			For 3" WG (Class B), Add	7.19	
			For 4" Or 6" WG (Class A), Add	15.34	
			For 10" WG (Class A), Add	22.06	
			For Work In Restricted Working Space, Add	14.39	
23 31 13 13-0104	LF		10" x 24", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	58.30	30.57
			For 3" WG (Class B), Add	7.64	
			For 4" Or 6" WG (Class A), Add	16.31	
			For 10" WG (Class A), Add	23.44	
			For Work In Restricted Working Space, Add	15.29	
23 31 13 13-0105	LF		12" x 12", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	41.14	21.58
			For 3" WG (Class B), Add	5.39	
			For 4" Or 6" WG (Class A), Add	11.51	
			For 10" WG (Class A), Add	16.54	
			For Work In Restricted Working Space, Add	10.79	
23 31 13 13-0106	LF		12" x 14", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	44.56	23.37
			For 3" WG (Class B), Add	5.84	
			For 4" Or 6" WG (Class A), Add	12.47	
			For 10" WG (Class A), Add	17.92	
			For Work In Restricted Working Space, Add	11.69	
23 31 13 13-0107	LF		12" x 16", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	48.00	25.18
			For 3" WG (Class B), Add	6.29	
			For 4" Or 6" WG (Class A), Add	13.43	
			For 10" WG (Class A), Add	19.30	
			For Work In Restricted Working Space, Add	12.59	
23 31 13 13-0108	LF		12" x 18", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	51.42	26.97
			For 3" WG (Class B), Add	6.74	
			For 4" Or 6" WG (Class A), Add	14.38	
			For 10" WG (Class A), Add	20.68	
			For Work In Restricted Working Space, Add	13.49	
23 31 13 13-0109	LF		12" x 20", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	54.86	28.77
			For 3" WG (Class B), Add	7.19	
			For 4" Or 6" WG (Class A), Add	15.34	
			For 10" WG (Class A), Add	22.06	
			For Work In Restricted Working Space, Add	14.39	
23 31 13 13-0110	LF		12" x 22", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	58.30	30.57
			For 3" WG (Class B), Add	7.64	
			For 4" Or 6" WG (Class A), Add	16.31	
			For 10" WG (Class A), Add	23.44	
			For Work In Restricted Working Space, Add	15.29	
23 31 13 13-0111	LF		12" x 24", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	61.71	32.36
			For 3" WG (Class B), Add	8.09	
			For 4" Or 6" WG (Class A), Add	17.26	
			For 10" WG (Class A), Add	24.82	
			For Work In Restricted Working Space, Add	16.19	
23 31 13 13-0112	LF		14" x 14", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	48.00	25.18
			For 3" WG (Class B), Add	6.29	
			For 4" Or 6" WG (Class A), Add	13.43	
			For 10" WG (Class A), Add	19.30	
			For Work In Restricted Working Space, Add	12.59	
23 31 13 13-0113	LF		14" x 16", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	51.42	26.97
			For 3" WG (Class B), Add	6.74	
			For 4" Or 6" WG (Class A), Add	14.38	
			For 10" WG (Class A), Add	20.68	
			For Work In Restricted Working Space, Add	13.49	
23 31 13 13-0114	LF		14" x 18", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	54.86	28.77
			For 3" WG (Class B), Add	7.19	
			For 4" Or 6" WG (Class A), Add	15.34	
			For 10" WG (Class A), Add	22.06	
			For Work In Restricted Working Space, Add	14.39	
23 31 13 13-0115	LF		14" x 20", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	58.30	30.57
			For 3" WG (Class B), Add	7.64	
			For 4" Or 6" WG (Class A), Add	16.31	
			For 10" WG (Class A), Add	23.44	
			For Work In Restricted Working Space, Add	15.29	
23 31 13 13-0116	LF		14" x 22", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	61.71	32.36
			For 3" WG (Class B), Add	8.09	
			For 4" Or 6" WG (Class A), Add	17.26	
			For 10" WG (Class A), Add	24.82	
			For Work In Restricted Working Space, Add	16.19	
23 31 13 13-0117	LF		14" x 24", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	65.16	34.17
			For 3" WG (Class B), Add	8.54	
			For 4" Or 6" WG (Class A), Add	18.22	
			For 10" WG (Class A), Add	26.20	
			For Work In Restricted Working Space, Add	17.09	
23 31 13 13-0118	LF		16" x 16", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	54.86	28.77
			For 3" WG (Class B), Add	7.19	
			For 4" Or 6" WG (Class A), Add	15.34	
			For 10" WG (Class A), Add	22.06	
			For Work In Restricted Working Space, Add	14.39	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 31 13 13-0119	LF 16" x 18", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	58.30	30.57
	For 3" WG (Class B), Add	7.64	
	For 4" Or 6" WG (Class A), Add	16.31	
	For 10" WG (Class A), Add	23.44	
	For Work In Restricted Working Space, Add	15.29	
23 31 13 13-0120	LF 16" x 20", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	61.71	32.36
	For 3" WG (Class B), Add	8.09	
	For 4" Or 6" WG (Class A), Add	17.26	
	For 10" WG (Class A), Add	24.82	
	For Work In Restricted Working Space, Add	16.19	
23 31 13 13-0121	LF 16" x 22", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	65.16	34.17
	For 3" WG (Class B), Add	8.54	
	For 4" Or 6" WG (Class A), Add	18.22	
	For 10" WG (Class A), Add	26.20	
	For Work In Restricted Working Space, Add	17.09	
23 31 13 13-0122	LF 16" x 24", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	68.57	35.96
	For 3" WG (Class B), Add	8.99	
	For 4" Or 6" WG (Class A), Add	19.18	
	For 10" WG (Class A), Add	27.57	
	For Work In Restricted Working Space, Add	17.98	
23 31 13 13-0123	LF 18" x 18", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	61.71	32.36
	For 3" WG (Class B), Add	8.09	
	For 4" Or 6" WG (Class A), Add	17.26	
	For 10" WG (Class A), Add	24.82	
	For Work In Restricted Working Space, Add	16.19	
23 31 13 13-0124	LF 18" x 20", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	65.16	34.17
	For 3" WG (Class B), Add	8.54	
	For 4" Or 6" WG (Class A), Add	18.22	
	For 10" WG (Class A), Add	26.20	
	For Work In Restricted Working Space, Add	17.09	
23 31 13 13-0125	LF 18" x 22", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	68.57	35.96
	For 3" WG (Class B), Add	8.99	
	For 4" Or 6" WG (Class A), Add	19.18	
	For 10" WG (Class A), Add	27.57	
	For Work In Restricted Working Space, Add	17.98	
23 31 13 13-0126	LF 18" x 24", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	71.99	37.77
	For 3" WG (Class B), Add	9.44	
	For 4" Or 6" WG (Class A), Add	20.14	
	For 10" WG (Class A), Add	28.95	
	For Work In Restricted Working Space, Add	18.88	
23 31 13 13-0127	LF 20" x 20", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	68.57	35.96
	For 3" WG (Class B), Add	8.99	
	For 4" Or 6" WG (Class A), Add	19.18	
	For 10" WG (Class A), Add	27.57	
	For Work In Restricted Working Space, Add	17.98	
23 31 13 13-0128	LF 20" x 22", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	71.99	37.77
	For 3" WG (Class B), Add	9.44	
	For 4" Or 6" WG (Class A), Add	20.14	
	For 10" WG (Class A), Add	28.95	
	For Work In Restricted Working Space, Add	18.88	
23 31 13 13-0129	LF 20" x 24", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	75.43	39.56
	For 3" WG (Class B), Add	9.89	
	For 4" Or 6" WG (Class A), Add	21.10	
	For 10" WG (Class A), Add	30.33	
	For Work In Restricted Working Space, Add	19.78	
23 31 13 13-0130	LF 22" x 22", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	75.43	39.56
	For 3" WG (Class B), Add	9.89	
	For 4" Or 6" WG (Class A), Add	21.10	
	For 10" WG (Class A), Add	30.33	
	For Work In Restricted Working Space, Add	19.78	
23 31 13 13-0131	LF 22" x 24", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	78.85	41.36
	For 3" WG (Class B), Add	10.34	
	For 4" Or 6" WG (Class A), Add	22.05	
	For 10" WG (Class A), Add	31.70	
	For Work In Restricted Working Space, Add	20.68	
23 31 13 13-0132	LF 24" x 24", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	82.28	43.16
	For 3" WG (Class B), Add	10.79	
	For 4" Or 6" WG (Class A), Add	23.02	
	For 10" WG (Class A), Add	33.09	
	For Work In Restricted Working Space, Add	21.58	
<b>23 31 13 13-0133</b>	<b>26 Gauge Galvanized Steel Metal Ductwork</b> <small>(23 31 13 13-0014)</small>		
23 31 13 13-0134	LF 4" x 4", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	15.91	8.34
	For 3" WG (Class B), Add	2.09	
	For 4" Or 6" WG (Class A), Add	4.45	
	For 10" WG (Class A), Add	6.40	
	For Work In Restricted Working Space, Add	4.17	
23 31 13 13-0135	LF 4" x 6", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	19.88	10.42
	For 3" WG (Class B), Add	2.61	
	For 4" Or 6" WG (Class A), Add	5.56	
	For 10" WG (Class A), Add	7.99	
	For Work In Restricted Working Space, Add	5.21	
23 31 13 13-0136	LF 4" x 8", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	23.86	12.52
	For 3" WG (Class B), Add	3.13	
	For 4" Or 6" WG (Class A), Add	6.68	
	For 10" WG (Class A), Add	9.60	
	For Work In Restricted Working Space, Add	6.26	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0137	LF	4" x 10", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	27.83	14.61	
		For 3" WG (Class B), Add	3.65		
		For 4" Or 6" WG (Class A), Add	7.79		
		For 10" WG (Class A), Add	11.19		
		For Work In Restricted Working Space, Add	7.30		
23 31 13 13-0138	LF	4" x 12", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	31.81	16.69	
		For 3" WG (Class B), Add	4.17		
		For 4" Or 6" WG (Class A), Add	8.90		
		For 10" WG (Class A), Add	12.79		
		For Work In Restricted Working Space, Add	8.34		
23 31 13 13-0139	LF	4" x 14", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	35.78	18.77	
		For 3" WG (Class B), Add	4.69		
		For 4" Or 6" WG (Class A), Add	10.01		
		For 10" WG (Class A), Add	14.39		
		For Work In Restricted Working Space, Add	9.38		
23 31 13 13-0140	LF	4" x 16", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	39.77	20.86	
		For 3" WG (Class B), Add	5.22		
		For 4" Or 6" WG (Class A), Add	11.13		
		For 10" WG (Class A), Add	15.99		
		For Work In Restricted Working Space, Add	10.43		
23 31 13 13-0141	LF	6" x 6", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	23.86	12.52	
		For 3" WG (Class B), Add	3.13		
		For 4" Or 6" WG (Class A), Add	6.68		
		For 10" WG (Class A), Add	9.60		
		For Work In Restricted Working Space, Add	6.26		
23 31 13 13-0142	LF	6" x 8", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	27.83	14.61	
		For 3" WG (Class B), Add	3.65		
		For 4" Or 6" WG (Class A), Add	7.79		
		For 10" WG (Class A), Add	11.19		
		For Work In Restricted Working Space, Add	7.30		
23 31 13 13-0143	LF	6" x 10", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	31.81	16.69	
		For 3" WG (Class B), Add	4.17		
		For 4" Or 6" WG (Class A), Add	8.90		
		For 10" WG (Class A), Add	12.79		
		For Work In Restricted Working Space, Add	8.34		
23 31 13 13-0144	LF	6" x 12", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	35.79	18.77	
		For 3" WG (Class B), Add	4.69		
		For 4" Or 6" WG (Class A), Add	10.01		
		For 10" WG (Class A), Add	14.39		
		For Work In Restricted Working Space, Add	9.38		
23 31 13 13-0145	LF	6" x 14", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	39.77	20.86	
		For 3" WG (Class B), Add	5.22		
		For 4" Or 6" WG (Class A), Add	11.13		
		For 10" WG (Class A), Add	15.99		
		For Work In Restricted Working Space, Add	10.43		
23 31 13 13-0146	LF	6" x 16", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	43.75	22.95	
		For 3" WG (Class B), Add	5.74		
		For 4" Or 6" WG (Class A), Add	12.24		
		For 10" WG (Class A), Add	17.59		
		For Work In Restricted Working Space, Add	11.47		
23 31 13 13-0147	LF	8" x 8", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	31.81	16.69	
		For 3" WG (Class B), Add	4.17		
		For 4" Or 6" WG (Class A), Add	8.90		
		For 10" WG (Class A), Add	12.79		
		For Work In Restricted Working Space, Add	8.34		
23 31 13 13-0148	LF	8" x 10", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	35.79	18.77	
		For 3" WG (Class B), Add	4.69		
		For 4" Or 6" WG (Class A), Add	10.01		
		For 10" WG (Class A), Add	14.39		
		For Work In Restricted Working Space, Add	9.38		
23 31 13 13-0149	LF	8" x 12", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	39.78	20.86	
		For 3" WG (Class B), Add	5.22		
		For 4" Or 6" WG (Class A), Add	11.13		
		For 10" WG (Class A), Add	15.99		
		For Work In Restricted Working Space, Add	10.43		
23 31 13 13-0150	LF	8" x 14", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	43.75	22.95	
		For 3" WG (Class B), Add	5.74		
		For 4" Or 6" WG (Class A), Add	12.24		
		For 10" WG (Class A), Add	17.59		
		For Work In Restricted Working Space, Add	11.47		
23 31 13 13-0151	LF	8" x 16", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	47.74	25.03	
		For 3" WG (Class B), Add	6.26		
		For 4" Or 6" WG (Class A), Add	13.35		
		For 10" WG (Class A), Add	19.20		
		For Work In Restricted Working Space, Add	12.52		
23 31 13 13-0152	LF	8" x 18", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	51.71	27.12	
		For 3" WG (Class B), Add	6.78		
		For 4" Or 6" WG (Class A), Add	14.46		
		For 10" WG (Class A), Add	20.79		
		For Work In Restricted Working Space, Add	13.56		
23 31 13 13-0153	LF	8" x 20", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	55.68	29.21	
		For 3" WG (Class B), Add	7.30		
		For 4" Or 6" WG (Class A), Add	15.58		
		For 10" WG (Class A), Add	22.39		
		For Work In Restricted Working Space, Add	14.60		
23 31 13 13-0154	LF	8" x 22", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	59.67	31.28	
		For 3" WG (Class B), Add	7.82		
		For 4" Or 6" WG (Class A), Add	16.69		
		For 10" WG (Class A), Add	23.99		
		For Work In Restricted Working Space, Add	15.65		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 31 HVAC Ducts and Casings**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 31 13 13-0155	LF 8" x 24", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	63.64	33.37
	For 3" WG (Class B), Add	8.34	
	For 4" Or 6" WG (Class A), Add	17.80	
	For 10" WG (Class A), Add	25.59	
	For Work In Restricted Working Space, Add	16.69	
23 31 13 13-0156	LF 10" x 10", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	39.78	20.86
	For 3" WG (Class B), Add	5.22	
	For 4" Or 6" WG (Class A), Add	11.13	
	For 10" WG (Class A), Add	15.99	
	For Work In Restricted Working Space, Add	10.43	
23 31 13 13-0157	LF 10" x 12", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	43.75	22.95
	For 3" WG (Class B), Add	5.74	
	For 4" Or 6" WG (Class A), Add	12.24	
	For 10" WG (Class A), Add	17.59	
	For Work In Restricted Working Space, Add	11.47	
23 31 13 13-0158	LF 10" x 14", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	47.74	25.03
	For 3" WG (Class B), Add	6.26	
	For 4" Or 6" WG (Class A), Add	13.35	
	For 10" WG (Class A), Add	19.20	
	For Work In Restricted Working Space, Add	12.52	
23 31 13 13-0159	LF 10" x 16", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	51.71	27.12
	For 3" WG (Class B), Add	6.78	
	For 4" Or 6" WG (Class A), Add	14.46	
	For 10" WG (Class A), Add	20.79	
	For Work In Restricted Working Space, Add	13.56	
23 31 13 13-0160	LF 10" x 18", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	55.68	29.21
	For 3" WG (Class B), Add	7.30	
	For 4" Or 6" WG (Class A), Add	15.58	
	For 10" WG (Class A), Add	22.39	
	For Work In Restricted Working Space, Add	14.60	
23 31 13 13-0161	LF 10" x 20", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	59.67	31.28
	For 3" WG (Class B), Add	7.82	
	For 4" Or 6" WG (Class A), Add	16.69	
	For 10" WG (Class A), Add	23.99	
	For Work In Restricted Working Space, Add	15.65	
23 31 13 13-0162	LF 10" x 22", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	63.64	33.37
	For 3" WG (Class B), Add	8.34	
	For 4" Or 6" WG (Class A), Add	17.80	
	For 10" WG (Class A), Add	25.59	
	For Work In Restricted Working Space, Add	16.69	
23 31 13 13-0163	LF 10" x 24", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	67.62	35.47
	For 3" WG (Class B), Add	8.87	
	For 4" Or 6" WG (Class A), Add	18.92	
	For 10" WG (Class A), Add	27.19	
	For Work In Restricted Working Space, Add	17.73	
23 31 13 13-0164	LF 12" x 12", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	47.74	25.03
	For 3" WG (Class B), Add	6.26	
	For 4" Or 6" WG (Class A), Add	13.35	
	For 10" WG (Class A), Add	19.20	
	For Work In Restricted Working Space, Add	12.52	
23 31 13 13-0165	LF 12" x 14", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	51.71	27.12
	For 3" WG (Class B), Add	6.78	
	For 4" Or 6" WG (Class A), Add	14.46	
	For 10" WG (Class A), Add	20.79	
	For Work In Restricted Working Space, Add	13.56	
23 31 13 13-0166	LF 12" x 16", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	55.68	29.21
	For 3" WG (Class B), Add	7.30	
	For 4" Or 6" WG (Class A), Add	15.58	
	For 10" WG (Class A), Add	22.39	
	For Work In Restricted Working Space, Add	14.60	
23 31 13 13-0167	LF 12" x 18", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	59.67	31.28
	For 3" WG (Class B), Add	7.82	
	For 4" Or 6" WG (Class A), Add	16.69	
	For 10" WG (Class A), Add	23.99	
	For Work In Restricted Working Space, Add	15.65	
23 31 13 13-0168	LF 12" x 20", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	63.64	33.37
	For 3" WG (Class B), Add	8.34	
	For 4" Or 6" WG (Class A), Add	17.80	
	For 10" WG (Class A), Add	25.59	
	For Work In Restricted Working Space, Add	16.69	
23 31 13 13-0169	LF 12" x 22", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	67.62	35.47
	For 3" WG (Class B), Add	8.87	
	For 4" Or 6" WG (Class A), Add	18.92	
	For 10" WG (Class A), Add	27.19	
	For Work In Restricted Working Space, Add	17.73	
23 31 13 13-0170	LF 12" x 24", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	71.60	37.55
	For 3" WG (Class B), Add	9.39	
	For 4" Or 6" WG (Class A), Add	20.03	
	For 10" WG (Class A), Add	28.79	
	For Work In Restricted Working Space, Add	18.78	
23 31 13 13-0171	LF 14" x 14", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	55.68	29.21
	For 3" WG (Class B), Add	7.30	
	For 4" Or 6" WG (Class A), Add	15.58	
	For 10" WG (Class A), Add	22.39	
	For Work In Restricted Working Space, Add	14.60	
23 31 13 13-0172	LF 14" x 16", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	59.67	31.28
	For 3" WG (Class B), Add	7.82	
	For 4" Or 6" WG (Class A), Add	16.69	
	For 10" WG (Class A), Add	23.99	
	For Work In Restricted Working Space, Add	15.65	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0173	LF	14" x 18", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	63.64	33.37	
		For 3" WG (Class B), Add	8.34		
		For 4" Or 6" WG (Class A), Add	17.80		
		For 10" WG (Class A), Add	25.59		
		For Work In Restricted Working Space, Add	16.69		
23 31 13 13-0174	LF	14" x 20", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	67.62	35.47	
		For 3" WG (Class B), Add	8.87		
		For 4" Or 6" WG (Class A), Add	18.92		
		For 10" WG (Class A), Add	27.19		
		For Work In Restricted Working Space, Add	17.73		
23 31 13 13-0175	LF	14" x 22", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	71.60	37.55	
		For 3" WG (Class B), Add	9.39		
		For 4" Or 6" WG (Class A), Add	20.03		
		For 10" WG (Class A), Add	28.79		
		For Work In Restricted Working Space, Add	18.78		
23 31 13 13-0176	LF	14" x 24", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	75.58	39.64	
		For 3" WG (Class B), Add	9.91		
		For 4" Or 6" WG (Class A), Add	21.14		
		For 10" WG (Class A), Add	30.39		
		For Work In Restricted Working Space, Add	19.82		
23 31 13 13-0177	LF	16" x 16", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	63.64	33.37	
		For 3" WG (Class B), Add	8.34		
		For 4" Or 6" WG (Class A), Add	17.80		
		For 10" WG (Class A), Add	25.59		
		For Work In Restricted Working Space, Add	16.69		
23 31 13 13-0178	LF	16" x 18", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	67.62	35.47	
		For 3" WG (Class B), Add	8.87		
		For 4" Or 6" WG (Class A), Add	18.92		
		For 10" WG (Class A), Add	27.19		
		For Work In Restricted Working Space, Add	17.73		
23 31 13 13-0179	LF	16" x 20", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	71.60	37.55	
		For 3" WG (Class B), Add	9.39		
		For 4" Or 6" WG (Class A), Add	20.03		
		For 10" WG (Class A), Add	28.79		
		For Work In Restricted Working Space, Add	18.78		
23 31 13 13-0180	LF	16" x 22", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	75.58	39.64	
		For 3" WG (Class B), Add	9.91		
		For 4" Or 6" WG (Class A), Add	21.14		
		For 10" WG (Class A), Add	30.39		
		For Work In Restricted Working Space, Add	19.82		
23 31 13 13-0181	LF	16" x 24", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	79.56	41.73	
		For 3" WG (Class B), Add	10.43		
		For 4" Or 6" WG (Class A), Add	22.25		
		For 10" WG (Class A), Add	31.99		
		For Work In Restricted Working Space, Add	20.86		
23 31 13 13-0182	LF	18" x 18", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	71.60	37.55	
		For 3" WG (Class B), Add	9.39		
		For 4" Or 6" WG (Class A), Add	20.03		
		For 10" WG (Class A), Add	28.79		
		For Work In Restricted Working Space, Add	18.78		
23 31 13 13-0183	LF	18" x 20", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	75.58	39.64	
		For 3" WG (Class B), Add	9.91		
		For 4" Or 6" WG (Class A), Add	21.14		
		For 10" WG (Class A), Add	30.39		
		For Work In Restricted Working Space, Add	19.82		
23 31 13 13-0184	LF	18" x 22", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	79.56	41.73	
		For 3" WG (Class B), Add	10.43		
		For 4" Or 6" WG (Class A), Add	22.25		
		For 10" WG (Class A), Add	31.99		
		For Work In Restricted Working Space, Add	20.86		
23 31 13 13-0185	LF	18" x 24", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	83.52	43.80	
		For 3" WG (Class B), Add	10.95		
		For 4" Or 6" WG (Class A), Add	23.36		
		For 10" WG (Class A), Add	33.58		
		For Work In Restricted Working Space, Add	21.90		
23 31 13 13-0186	LF	20" x 20", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	79.56	41.73	
		For 3" WG (Class B), Add	10.43		
		For 4" Or 6" WG (Class A), Add	22.25		
		For 10" WG (Class A), Add	31.99		
		For Work In Restricted Working Space, Add	20.86		
23 31 13 13-0187	LF	20" x 22", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	83.52	43.80	
		For 3" WG (Class B), Add	10.95		
		For 4" Or 6" WG (Class A), Add	23.36		
		For 10" WG (Class A), Add	33.58		
		For Work In Restricted Working Space, Add	21.90		
23 31 13 13-0188	LF	20" x 24", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	87.49	45.89	
		For 3" WG (Class B), Add	11.47		
		For 4" Or 6" WG (Class A), Add	24.47		
		For 10" WG (Class A), Add	35.18		
		For Work In Restricted Working Space, Add	22.94		
23 31 13 13-0189	LF	22" x 22", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	87.49	45.89	
		For 3" WG (Class B), Add	11.47		
		For 4" Or 6" WG (Class A), Add	24.47		
		For 10" WG (Class A), Add	35.18		
		For Work In Restricted Working Space, Add	22.94		
23 31 13 13-0190	LF	22" x 24", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	91.48	47.98	
		For 3" WG (Class B), Add	11.99		
		For 4" Or 6" WG (Class A), Add	25.59		
		For 10" WG (Class A), Add	36.78		
		For Work In Restricted Working Space, Add	23.99		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 31 HVAC Ducts and Casings**



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 31 13 13-0191	LF	24" x 24", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	95.46	50.06
		<i>For 3" WG (Class B), Add</i>	12.52	
		<i>For 4" Or 6" WG (Class A), Add</i>	26.70	
		<i>For 10" WG (Class A), Add</i>	38.38	
		<i>For Work In Restricted Working Space, Add</i>	25.03	
<b>23 31 13 13-0192</b>		<b>24 Gauge Galvanized Steel Metal Ductwork (23 31 13 13-0014)</b>		
23 31 13 13-0193	LF	4" x 4", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	24.15	12.95
		<i>For 3" WG (Class B), Add</i>	3.24	
		<i>For 4" Or 6" WG (Class A), Add</i>	6.91	
		<i>For 10" WG (Class A), Add</i>	9.93	
		<i>For Work In Restricted Working Space, Add</i>	6.48	
23 31 13 13-0194	LF	4" x 6", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	30.17	16.18
		<i>For 3" WG (Class B), Add</i>	4.05	
		<i>For 4" Or 6" WG (Class A), Add</i>	8.63	
		<i>For 10" WG (Class A), Add</i>	12.41	
		<i>For Work In Restricted Working Space, Add</i>	8.09	
23 31 13 13-0195	LF	4" x 8", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	36.20	19.42
		<i>For 3" WG (Class B), Add</i>	4.86	
		<i>For 4" Or 6" WG (Class A), Add</i>	10.36	
		<i>For 10" WG (Class A), Add</i>	14.89	
		<i>For Work In Restricted Working Space, Add</i>	9.71	
23 31 13 13-0196	LF	4" x 10", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	42.24	22.66
		<i>For 3" WG (Class B), Add</i>	5.67	
		<i>For 4" Or 6" WG (Class A), Add</i>	12.09	
		<i>For 10" WG (Class A), Add</i>	17.37	
		<i>For Work In Restricted Working Space, Add</i>	11.33	
23 31 13 13-0197	LF	4" x 12", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	48.27	25.91
		<i>For 3" WG (Class B), Add</i>	6.47	
		<i>For 4" Or 6" WG (Class A), Add</i>	13.81	
		<i>For 10" WG (Class A), Add</i>	19.85	
		<i>For Work In Restricted Working Space, Add</i>	12.95	
23 31 13 13-0198	LF	4" x 16", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	54.31	29.14
		<i>For 3" WG (Class B), Add</i>	7.28	
		<i>For 4" Or 6" WG (Class A), Add</i>	15.54	
		<i>For 10" WG (Class A), Add</i>	22.34	
		<i>For Work In Restricted Working Space, Add</i>	14.57	
23 31 13 13-0199	LF	4" x 18", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	60.35	32.37
		<i>For 3" WG (Class B), Add</i>	8.09	
		<i>For 4" Or 6" WG (Class A), Add</i>	17.27	
		<i>For 10" WG (Class A), Add</i>	24.82	
		<i>For Work In Restricted Working Space, Add</i>	16.19	
23 31 13 13-0200	LF	6" x 6", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	36.20	19.42
		<i>For 3" WG (Class B), Add</i>	4.86	
		<i>For 4" Or 6" WG (Class A), Add</i>	10.36	
		<i>For 10" WG (Class A), Add</i>	14.89	
		<i>For Work In Restricted Working Space, Add</i>	9.71	
23 31 13 13-0201	LF	6" x 8", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	42.24	22.66
		<i>For 3" WG (Class B), Add</i>	5.67	
		<i>For 4" Or 6" WG (Class A), Add</i>	12.09	
		<i>For 10" WG (Class A), Add</i>	17.37	
		<i>For Work In Restricted Working Space, Add</i>	11.33	
23 31 13 13-0202	LF	6" x 10", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	48.27	25.91
		<i>For 3" WG (Class B), Add</i>	6.47	
		<i>For 4" Or 6" WG (Class A), Add</i>	13.81	
		<i>For 10" WG (Class A), Add</i>	19.85	
		<i>For Work In Restricted Working Space, Add</i>	12.95	
23 31 13 13-0203	LF	6" x 12", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	54.31	29.14
		<i>For 3" WG (Class B), Add</i>	7.28	
		<i>For 4" Or 6" WG (Class A), Add</i>	15.54	
		<i>For 10" WG (Class A), Add</i>	22.34	
		<i>For Work In Restricted Working Space, Add</i>	14.57	
23 31 13 13-0204	LF	6" x 14", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	60.35	32.37
		<i>For 3" WG (Class B), Add</i>	8.09	
		<i>For 4" Or 6" WG (Class A), Add</i>	17.27	
		<i>For 10" WG (Class A), Add</i>	24.82	
		<i>For Work In Restricted Working Space, Add</i>	16.19	
23 31 13 13-0205	LF	6" x 16", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	66.38	35.61
		<i>For 3" WG (Class B), Add</i>	8.90	
		<i>For 4" Or 6" WG (Class A), Add</i>	18.99	
		<i>For 10" WG (Class A), Add</i>	27.30	
		<i>For Work In Restricted Working Space, Add</i>	17.81	
23 31 13 13-0206	LF	8" x 8", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	48.27	25.91
		<i>For 3" WG (Class B), Add</i>	6.47	
		<i>For 4" Or 6" WG (Class A), Add</i>	13.81	
		<i>For 10" WG (Class A), Add</i>	19.85	
		<i>For Work In Restricted Working Space, Add</i>	12.95	
23 31 13 13-0207	LF	8" x 10", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	54.31	29.14
		<i>For 3" WG (Class B), Add</i>	7.28	
		<i>For 4" Or 6" WG (Class A), Add</i>	15.54	
		<i>For 10" WG (Class A), Add</i>	22.34	
		<i>For Work In Restricted Working Space, Add</i>	14.57	
23 31 13 13-0208	LF	8" x 12", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	60.35	32.37
		<i>For 3" WG (Class B), Add</i>	8.09	
		<i>For 4" Or 6" WG (Class A), Add</i>	17.27	
		<i>For 10" WG (Class A), Add</i>	24.82	
		<i>For Work In Restricted Working Space, Add</i>	16.19	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0209	LF		8" x 14", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	66.38	35.61
			For 3" WG (Class B), Add	8.90	
			For 4" Or 6" WG (Class A), Add	18.99	
			For 10" WG (Class A), Add	27.30	
			For Work In Restricted Working Space, Add	17.81	
23 31 13 13-0210	LF		8" x 16", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	72.41	38.84
			For 3" WG (Class B), Add	9.71	
			For 4" Or 6" WG (Class A), Add	20.72	
			For 10" WG (Class A), Add	29.79	
			For Work In Restricted Working Space, Add	19.43	
23 31 13 13-0211	LF		8" x 18", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	78.44	42.09
			For 3" WG (Class B), Add	10.52	
			For 4" Or 6" WG (Class A), Add	22.44	
			For 10" WG (Class A), Add	32.26	
			For Work In Restricted Working Space, Add	21.04	
23 31 13 13-0212	LF		8" x 20", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	84.47	45.33
			For 3" WG (Class B), Add	11.33	
			For 4" Or 6" WG (Class A), Add	24.17	
			For 10" WG (Class A), Add	34.74	
			For Work In Restricted Working Space, Add	22.66	
23 31 13 13-0213	LF		8" x 22", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	90.51	48.56
			For 3" WG (Class B), Add	12.14	
			For 4" Or 6" WG (Class A), Add	25.90	
			For 10" WG (Class A), Add	37.23	
			For Work In Restricted Working Space, Add	24.28	
23 31 13 13-0214	LF		8" x 24", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	96.55	51.79
			For 3" WG (Class B), Add	12.95	
			For 4" Or 6" WG (Class A), Add	27.63	
			For 10" WG (Class A), Add	39.71	
			For Work In Restricted Working Space, Add	25.90	
23 31 13 13-0215	LF		10" x 10", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	60.35	32.37
			For 3" WG (Class B), Add	8.09	
			For 4" Or 6" WG (Class A), Add	17.27	
			For 10" WG (Class A), Add	24.82	
			For Work In Restricted Working Space, Add	16.19	
23 31 13 13-0216	LF		10" x 12", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	66.38	35.61
			For 3" WG (Class B), Add	8.90	
			For 4" Or 6" WG (Class A), Add	18.99	
			For 10" WG (Class A), Add	27.30	
			For Work In Restricted Working Space, Add	17.81	
23 31 13 13-0217	LF		10" x 14", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	72.41	38.84
			For 3" WG (Class B), Add	9.71	
			For 4" Or 6" WG (Class A), Add	20.72	
			For 10" WG (Class A), Add	29.79	
			For Work In Restricted Working Space, Add	19.43	
23 31 13 13-0218	LF		10" x 16", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	78.44	42.09
			For 3" WG (Class B), Add	10.52	
			For 4" Or 6" WG (Class A), Add	22.44	
			For 10" WG (Class A), Add	32.26	
			For Work In Restricted Working Space, Add	21.04	
23 31 13 13-0219	LF		10" x 18", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	84.47	45.33
			For 3" WG (Class B), Add	11.33	
			For 4" Or 6" WG (Class A), Add	24.17	
			For 10" WG (Class A), Add	34.74	
			For Work In Restricted Working Space, Add	22.66	
23 31 13 13-0220	LF		10" x 20", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	90.51	48.56
			For 3" WG (Class B), Add	12.14	
			For 4" Or 6" WG (Class A), Add	25.90	
			For 10" WG (Class A), Add	37.23	
			For Work In Restricted Working Space, Add	24.28	
23 31 13 13-0221	LF		10" x 22", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	96.55	51.79
			For 3" WG (Class B), Add	12.95	
			For 4" Or 6" WG (Class A), Add	27.63	
			For 10" WG (Class A), Add	39.71	
			For Work In Restricted Working Space, Add	25.90	
23 31 13 13-0222	LF		10" x 24", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	102.58	55.03
			For 3" WG (Class B), Add	13.76	
			For 4" Or 6" WG (Class A), Add	29.35	
			For 10" WG (Class A), Add	42.19	
			For Work In Restricted Working Space, Add	27.52	
23 31 13 13-0223	LF		10" x 26", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	108.62	58.27
			For 3" WG (Class B), Add	14.57	
			For 4" Or 6" WG (Class A), Add	31.08	
			For 10" WG (Class A), Add	44.68	
			For Work In Restricted Working Space, Add	29.14	
23 31 13 13-0224	LF		10" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	114.66	61.51
			For 3" WG (Class B), Add	15.38	
			For 4" Or 6" WG (Class A), Add	32.81	
			For 10" WG (Class A), Add	47.16	
			For Work In Restricted Working Space, Add	30.76	
23 31 13 13-0225	LF		10" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	120.68	64.75
			For 3" WG (Class B), Add	16.19	
			For 4" Or 6" WG (Class A), Add	34.53	
			For 10" WG (Class A), Add	49.63	
			For Work In Restricted Working Space, Add	32.37	
23 31 13 13-0226	LF		12" x 12", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	72.41	38.84
			For 3" WG (Class B), Add	9.71	
			For 4" Or 6" WG (Class A), Add	20.72	
			For 10" WG (Class A), Add	29.79	
			For Work In Restricted Working Space, Add	19.43	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 31 13 13-0227	LF 12" x 14", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	78.44	42.09
	For 3" WG (Class B), Add	10.52	
	For 4" Or 6" WG (Class A), Add	22.44	
	For 10" WG (Class A), Add	32.26	
	For Work In Restricted Working Space, Add	21.04	
23 31 13 13-0228	LF 12" x 16", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	84.47	45.33
	For 3" WG (Class B), Add	11.33	
	For 4" Or 6" WG (Class A), Add	24.17	
	For 10" WG (Class A), Add	34.74	
	For Work In Restricted Working Space, Add	22.66	
23 31 13 13-0229	LF 12" x 18", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	90.51	48.56
	For 3" WG (Class B), Add	12.14	
	For 4" Or 6" WG (Class A), Add	25.90	
	For 10" WG (Class A), Add	37.23	
	For Work In Restricted Working Space, Add	24.28	
23 31 13 13-0230	LF 12" x 20", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	96.55	51.79
	For 3" WG (Class B), Add	12.95	
	For 4" Or 6" WG (Class A), Add	27.63	
	For 10" WG (Class A), Add	39.71	
	For Work In Restricted Working Space, Add	25.90	
23 31 13 13-0231	LF 12" x 22", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	102.58	55.03
	For 3" WG (Class B), Add	13.76	
	For 4" Or 6" WG (Class A), Add	29.35	
	For 10" WG (Class A), Add	42.19	
	For Work In Restricted Working Space, Add	27.52	
23 31 13 13-0232	LF 12" x 24", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	108.62	58.27
	For 3" WG (Class B), Add	14.57	
	For 4" Or 6" WG (Class A), Add	31.08	
	For 10" WG (Class A), Add	44.68	
	For Work In Restricted Working Space, Add	29.14	
23 31 13 13-0233	LF 12" x 26", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	114.66	61.51
	For 3" WG (Class B), Add	15.38	
	For 4" Or 6" WG (Class A), Add	32.81	
	For 10" WG (Class A), Add	47.16	
	For Work In Restricted Working Space, Add	30.76	
23 31 13 13-0234	LF 12" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	120.68	64.75
	For 3" WG (Class B), Add	16.19	
	For 4" Or 6" WG (Class A), Add	34.53	
	For 10" WG (Class A), Add	49.63	
	For Work In Restricted Working Space, Add	32.37	
23 31 13 13-0235	LF 12" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	126.71	67.99
	For 3" WG (Class B), Add	17.00	
	For 4" Or 6" WG (Class A), Add	36.26	
	For 10" WG (Class A), Add	52.12	
	For Work In Restricted Working Space, Add	33.99	
23 31 13 13-0236	LF 14" x 14", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	84.47	45.33
	For 3" WG (Class B), Add	11.33	
	For 4" Or 6" WG (Class A), Add	24.17	
	For 10" WG (Class A), Add	34.74	
	For Work In Restricted Working Space, Add	22.66	
23 31 13 13-0237	LF 14" x 16", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	90.51	48.56
	For 3" WG (Class B), Add	12.14	
	For 4" Or 6" WG (Class A), Add	25.90	
	For 10" WG (Class A), Add	37.23	
	For Work In Restricted Working Space, Add	24.28	
23 31 13 13-0238	LF 14" x 18", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	96.55	51.79
	For 3" WG (Class B), Add	12.95	
	For 4" Or 6" WG (Class A), Add	27.63	
	For 10" WG (Class A), Add	39.71	
	For Work In Restricted Working Space, Add	25.90	
23 31 13 13-0239	LF 14" x 20", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	102.58	55.03
	For 3" WG (Class B), Add	13.76	
	For 4" Or 6" WG (Class A), Add	29.35	
	For 10" WG (Class A), Add	42.19	
	For Work In Restricted Working Space, Add	27.52	
23 31 13 13-0240	LF 14" x 22", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	108.62	58.27
	For 3" WG (Class B), Add	14.57	
	For 4" Or 6" WG (Class A), Add	31.08	
	For 10" WG (Class A), Add	44.68	
	For Work In Restricted Working Space, Add	29.14	
23 31 13 13-0241	LF 14" x 24", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	114.66	61.51
	For 3" WG (Class B), Add	15.38	
	For 4" Or 6" WG (Class A), Add	32.81	
	For 10" WG (Class A), Add	47.16	
	For Work In Restricted Working Space, Add	30.76	
23 31 13 13-0242	LF 14" x 26", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	120.68	64.75
	For 3" WG (Class B), Add	16.19	
	For 4" Or 6" WG (Class A), Add	34.53	
	For 10" WG (Class A), Add	49.63	
	For Work In Restricted Working Space, Add	32.37	
23 31 13 13-0243	LF 14" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	126.71	67.99
	For 3" WG (Class B), Add	17.00	
	For 4" Or 6" WG (Class A), Add	36.26	
	For 10" WG (Class A), Add	52.12	
	For Work In Restricted Working Space, Add	33.99	
23 31 13 13-0244	LF 14" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	132.75	71.21
	For 3" WG (Class B), Add	17.81	
	For 4" Or 6" WG (Class A), Add	37.98	
	For 10" WG (Class A), Add	54.60	
	For Work In Restricted Working Space, Add	35.61	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0245	LF	16" x 16", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	96.55	51.79
			For 3" WG (Class B), Add	12.95	
			For 4" Or 6" WG (Class A), Add	27.63	
			For 10" WG (Class A), Add	39.71	
			For Work In Restricted Working Space, Add	25.90	
23 31 13	13-0246	LF	16" x 18", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	102.58	55.03
			For 3" WG (Class B), Add	13.76	
			For 4" Or 6" WG (Class A), Add	29.35	
			For 10" WG (Class A), Add	42.19	
			For Work In Restricted Working Space, Add	27.52	
23 31 13	13-0247	LF	16" x 20", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	108.62	58.27
			For 3" WG (Class B), Add	14.57	
			For 4" Or 6" WG (Class A), Add	31.08	
			For 10" WG (Class A), Add	44.68	
			For Work In Restricted Working Space, Add	29.14	
23 31 13	13-0248	LF	16" x 22", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	114.66	61.51
			For 3" WG (Class B), Add	15.38	
			For 4" Or 6" WG (Class A), Add	32.81	
			For 10" WG (Class A), Add	47.16	
			For Work In Restricted Working Space, Add	30.76	
23 31 13	13-0249	LF	16" x 24", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	120.68	64.75
			For 3" WG (Class B), Add	16.19	
			For 4" Or 6" WG (Class A), Add	34.53	
			For 10" WG (Class A), Add	49.63	
			For Work In Restricted Working Space, Add	32.37	
23 31 13	13-0250	LF	16" x 26", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	126.71	67.99
			For 3" WG (Class B), Add	17.00	
			For 4" Or 6" WG (Class A), Add	36.26	
			For 10" WG (Class A), Add	52.12	
			For Work In Restricted Working Space, Add	33.99	
23 31 13	13-0251	LF	16" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	132.75	71.21
			For 3" WG (Class B), Add	17.81	
			For 4" Or 6" WG (Class A), Add	37.98	
			For 10" WG (Class A), Add	54.60	
			For Work In Restricted Working Space, Add	35.61	
23 31 13	13-0252	LF	16" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	138.78	74.46
			For 3" WG (Class B), Add	18.61	
			For 4" Or 6" WG (Class A), Add	39.71	
			For 10" WG (Class A), Add	57.08	
			For Work In Restricted Working Space, Add	37.23	
23 31 13	13-0253	LF	18" x 18", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	108.62	58.27
			For 3" WG (Class B), Add	14.57	
			For 4" Or 6" WG (Class A), Add	31.08	
			For 10" WG (Class A), Add	44.68	
			For Work In Restricted Working Space, Add	29.14	
23 31 13	13-0254	LF	18" x 20", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	114.66	61.51
			For 3" WG (Class B), Add	15.38	
			For 4" Or 6" WG (Class A), Add	32.81	
			For 10" WG (Class A), Add	47.16	
			For Work In Restricted Working Space, Add	30.76	
23 31 13	13-0255	LF	18" x 22", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	120.68	64.75
			For 3" WG (Class B), Add	16.19	
			For 4" Or 6" WG (Class A), Add	34.53	
			For 10" WG (Class A), Add	49.63	
			For Work In Restricted Working Space, Add	32.37	
23 31 13	13-0256	LF	18" x 24", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	126.71	67.99
			For 3" WG (Class B), Add	17.00	
			For 4" Or 6" WG (Class A), Add	36.26	
			For 10" WG (Class A), Add	52.12	
			For Work In Restricted Working Space, Add	33.99	
23 31 13	13-0257	LF	18" x 26", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	132.75	71.21
			For 3" WG (Class B), Add	17.81	
			For 4" Or 6" WG (Class A), Add	37.98	
			For 10" WG (Class A), Add	54.60	
			For Work In Restricted Working Space, Add	35.61	
23 31 13	13-0258	LF	18" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	138.78	74.46
			For 3" WG (Class B), Add	18.61	
			For 4" Or 6" WG (Class A), Add	39.71	
			For 10" WG (Class A), Add	57.08	
			For Work In Restricted Working Space, Add	37.23	
23 31 13	13-0259	LF	18" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	144.82	77.70
			For 3" WG (Class B), Add	19.42	
			For 4" Or 6" WG (Class A), Add	41.44	
			For 10" WG (Class A), Add	59.57	
			For Work In Restricted Working Space, Add	38.85	
23 31 13	13-0260	LF	20" x 20", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	120.68	64.75
			For 3" WG (Class B), Add	16.19	
			For 4" Or 6" WG (Class A), Add	34.53	
			For 10" WG (Class A), Add	49.63	
			For Work In Restricted Working Space, Add	32.37	
23 31 13	13-0261	LF	20" x 22", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	126.71	67.99
			For 3" WG (Class B), Add	17.00	
			For 4" Or 6" WG (Class A), Add	36.26	
			For 10" WG (Class A), Add	52.12	
			For Work In Restricted Working Space, Add	33.99	
23 31 13	13-0262	LF	20" x 24", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	132.75	71.21
			For 3" WG (Class B), Add	17.81	
			For 4" Or 6" WG (Class A), Add	37.98	
			For 10" WG (Class A), Add	54.60	
			For Work In Restricted Working Space, Add	35.61	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 31 HVAC Ducts and Casings**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0263	LF		20" x 26", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	138.78	74.46
			For 3" WG (Class B), Add	18.61	
			For 4" Or 6" WG (Class A), Add	39.71	
			For 10" WG (Class A), Add	57.08	
			For Work In Restricted Working Space, Add	37.23	
23 31 13 13-0264	LF		20" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	144.82	77.70
			For 3" WG (Class B), Add	19.42	
			For 4" Or 6" WG (Class A), Add	41.44	
			For 10" WG (Class A), Add	59.57	
			For Work In Restricted Working Space, Add	38.85	
23 31 13 13-0265	LF		20" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	150.86	80.93
			For 3" WG (Class B), Add	20.23	
			For 4" Or 6" WG (Class A), Add	43.16	
			For 10" WG (Class A), Add	62.05	
			For Work In Restricted Working Space, Add	40.47	
23 31 13 13-0266	LF		22" x 22", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	132.75	71.21
			For 3" WG (Class B), Add	17.81	
			For 4" Or 6" WG (Class A), Add	37.98	
			For 10" WG (Class A), Add	54.60	
			For Work In Restricted Working Space, Add	35.61	
23 31 13 13-0267	LF		22" x 24", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	138.78	74.46
			For 3" WG (Class B), Add	18.61	
			For 4" Or 6" WG (Class A), Add	39.71	
			For 10" WG (Class A), Add	57.08	
			For Work In Restricted Working Space, Add	37.23	
23 31 13 13-0268	LF		22" x 26", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	144.82	77.70
			For 3" WG (Class B), Add	19.42	
			For 4" Or 6" WG (Class A), Add	41.44	
			For 10" WG (Class A), Add	59.57	
			For Work In Restricted Working Space, Add	38.85	
23 31 13 13-0269	LF		22" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	150.86	80.93
			For 3" WG (Class B), Add	20.23	
			For 4" Or 6" WG (Class A), Add	43.16	
			For 10" WG (Class A), Add	62.05	
			For Work In Restricted Working Space, Add	40.47	
23 31 13 13-0270	LF		22" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	156.89	84.17
			For 3" WG (Class B), Add	21.04	
			For 4" Or 6" WG (Class A), Add	44.89	
			For 10" WG (Class A), Add	64.53	
			For Work In Restricted Working Space, Add	42.08	
23 31 13 13-0271	LF		24" x 24", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	144.82	77.70
			For 3" WG (Class B), Add	19.42	
			For 4" Or 6" WG (Class A), Add	41.44	
			For 10" WG (Class A), Add	59.57	
			For Work In Restricted Working Space, Add	38.85	
23 31 13 13-0272	LF		24" x 26", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	150.86	80.93
			For 3" WG (Class B), Add	20.23	
			For 4" Or 6" WG (Class A), Add	43.16	
			For 10" WG (Class A), Add	62.05	
			For Work In Restricted Working Space, Add	40.47	
23 31 13 13-0273	LF		24" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	156.89	84.17
			For 3" WG (Class B), Add	21.04	
			For 4" Or 6" WG (Class A), Add	44.89	
			For 10" WG (Class A), Add	64.53	
			For Work In Restricted Working Space, Add	42.08	
23 31 13 13-0274	LF		24" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	162.93	87.41
			For 3" WG (Class B), Add	21.85	
			For 4" Or 6" WG (Class A), Add	46.62	
			For 10" WG (Class A), Add	67.01	
			For Work In Restricted Working Space, Add	43.70	
23 31 13 13-0275	LF		26" x 26", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	156.89	84.17
			For 3" WG (Class B), Add	21.04	
			For 4" Or 6" WG (Class A), Add	44.89	
			For 10" WG (Class A), Add	64.53	
			For Work In Restricted Working Space, Add	42.08	
23 31 13 13-0276	LF		26" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	162.93	87.41
			For 3" WG (Class B), Add	21.85	
			For 4" Or 6" WG (Class A), Add	46.62	
			For 10" WG (Class A), Add	67.01	
			For Work In Restricted Working Space, Add	43.70	
23 31 13 13-0277	LF		26" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	168.96	90.64
			For 3" WG (Class B), Add	22.66	
			For 4" Or 6" WG (Class A), Add	48.34	
			For 10" WG (Class A), Add	69.49	
			For Work In Restricted Working Space, Add	45.32	
23 31 13 13-0278	LF		28" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	168.96	90.64
			For 3" WG (Class B), Add	22.66	
			For 4" Or 6" WG (Class A), Add	48.34	
			For 10" WG (Class A), Add	69.49	
			For Work In Restricted Working Space, Add	45.32	
23 31 13 13-0279	LF		28" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	174.98	93.88
			For 3" WG (Class B), Add	23.47	
			For 4" Or 6" WG (Class A), Add	50.07	
			For 10" WG (Class A), Add	71.97	
			For Work In Restricted Working Space, Add	46.94	
23 31 13 13-0280	LF		30" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	181.03	97.12
			For 3" WG (Class B), Add	24.28	
			For 4" Or 6" WG (Class A), Add	51.80	
			For 10" WG (Class A), Add	74.46	
			For Work In Restricted Working Space, Add	48.56	



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 31 13	13-0281	22 Gauge Galvanized Steel Metal Ductwork <small>(23 31 13 13-0014)</small>		
23 31 13	13-0282	LF 4" x 4", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	24.70	12.95
		For 3" WG (Class B), Add	3.24	
		For 4" Or 6" WG (Class A), Add	6.91	
		For 10" WG (Class A), Add	9.93	
		For Work In Restricted Working Space, Add	6.48	
23 31 13	13-0283	LF 4" x 6", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	30.86	16.18
		For 3" WG (Class B), Add	4.05	
		For 4" Or 6" WG (Class A), Add	8.63	
		For 10" WG (Class A), Add	12.41	
		For Work In Restricted Working Space, Add	8.09	
23 31 13	13-0284	LF 4" x 8", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	37.03	19.42
		For 3" WG (Class B), Add	4.86	
		For 4" Or 6" WG (Class A), Add	10.36	
		For 10" WG (Class A), Add	14.89	
		For Work In Restricted Working Space, Add	9.71	
23 31 13	13-0285	LF 4" x 10", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	43.21	22.66
		For 3" WG (Class B), Add	5.67	
		For 4" Or 6" WG (Class A), Add	12.09	
		For 10" WG (Class A), Add	17.37	
		For Work In Restricted Working Space, Add	11.33	
23 31 13	13-0286	LF 4" x 12", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	49.38	25.91
		For 3" WG (Class B), Add	6.47	
		For 4" Or 6" WG (Class A), Add	13.81	
		For 10" WG (Class A), Add	19.85	
		For Work In Restricted Working Space, Add	12.95	
23 31 13	13-0287	LF 4" x 14", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	55.55	29.14
		For 3" WG (Class B), Add	7.28	
		For 4" Or 6" WG (Class A), Add	15.54	
		For 10" WG (Class A), Add	22.34	
		For Work In Restricted Working Space, Add	14.57	
23 31 13	13-0288	LF 4" x 16", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	61.73	32.37
		For 3" WG (Class B), Add	8.09	
		For 4" Or 6" WG (Class A), Add	17.27	
		For 10" WG (Class A), Add	24.82	
		For Work In Restricted Working Space, Add	16.19	
23 31 13	13-0289	LF 6" x 6", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	37.03	19.42
		For 3" WG (Class B), Add	4.86	
		For 4" Or 6" WG (Class A), Add	10.36	
		For 10" WG (Class A), Add	14.89	
		For Work In Restricted Working Space, Add	9.71	
23 31 13	13-0290	LF 6" x 8", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	43.21	22.66
		For 3" WG (Class B), Add	5.67	
		For 4" Or 6" WG (Class A), Add	12.09	
		For 10" WG (Class A), Add	17.37	
		For Work In Restricted Working Space, Add	11.33	
23 31 13	13-0291	LF 6" x 10", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	49.38	25.91
		For 3" WG (Class B), Add	6.47	
		For 4" Or 6" WG (Class A), Add	13.81	
		For 10" WG (Class A), Add	19.85	
		For Work In Restricted Working Space, Add	12.95	
23 31 13	13-0292	LF 6" x 12", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	55.55	29.14
		For 3" WG (Class B), Add	7.28	
		For 4" Or 6" WG (Class A), Add	15.54	
		For 10" WG (Class A), Add	22.34	
		For Work In Restricted Working Space, Add	14.57	
23 31 13	13-0293	LF 6" x 14", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	61.73	32.37
		For 3" WG (Class B), Add	8.09	
		For 4" Or 6" WG (Class A), Add	17.27	
		For 10" WG (Class A), Add	24.82	
		For Work In Restricted Working Space, Add	16.19	
23 31 13	13-0294	LF 6" x 16", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	67.90	35.61
		For 3" WG (Class B), Add	8.90	
		For 4" Or 6" WG (Class A), Add	18.99	
		For 10" WG (Class A), Add	27.30	
		For Work In Restricted Working Space, Add	17.81	
23 31 13	13-0295	LF 8" x 8", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	49.38	25.91
		For 3" WG (Class B), Add	6.47	
		For 4" Or 6" WG (Class A), Add	13.81	
		For 10" WG (Class A), Add	19.85	
		For Work In Restricted Working Space, Add	12.95	
23 31 13	13-0296	LF 8" x 10", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	55.55	29.14
		For 3" WG (Class B), Add	7.28	
		For 4" Or 6" WG (Class A), Add	15.54	
		For 10" WG (Class A), Add	22.34	
		For Work In Restricted Working Space, Add	14.57	
23 31 13	13-0297	LF 8" x 12", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	61.73	32.37
		For 3" WG (Class B), Add	8.09	
		For 4" Or 6" WG (Class A), Add	17.27	
		For 10" WG (Class A), Add	24.82	
		For Work In Restricted Working Space, Add	16.19	
23 31 13	13-0298	LF 8" x 14", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	67.90	35.61
		For 3" WG (Class B), Add	8.90	
		For 4" Or 6" WG (Class A), Add	18.99	
		For 10" WG (Class A), Add	27.30	
		For Work In Restricted Working Space, Add	17.81	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 31 13 13-0299	LF	8" x 16", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	74.07	38.84
		For 3" WG (Class B), Add	9.71	
		For 4" Or 6" WG (Class A), Add	20.72	
		For 10" WG (Class A), Add	29.79	
		For Work In Restricted Working Space, Add	19.43	
23 31 13 13-0300	LF	8" x 18", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	80.24	42.09
		For 3" WG (Class B), Add	10.52	
		For 4" Or 6" WG (Class A), Add	22.44	
		For 10" WG (Class A), Add	32.26	
		For Work In Restricted Working Space, Add	21.04	
23 31 13 13-0301	LF	8" x 20", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	86.41	45.33
		For 3" WG (Class B), Add	11.33	
		For 4" Or 6" WG (Class A), Add	24.17	
		For 10" WG (Class A), Add	34.74	
		For Work In Restricted Working Space, Add	22.66	
23 31 13 13-0302	LF	8" x 22", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	92.58	48.56
		For 3" WG (Class B), Add	12.14	
		For 4" Or 6" WG (Class A), Add	25.90	
		For 10" WG (Class A), Add	37.23	
		For Work In Restricted Working Space, Add	24.28	
23 31 13 13-0303	LF	8" x 24", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	98.76	51.79
		For 3" WG (Class B), Add	12.95	
		For 4" Or 6" WG (Class A), Add	27.63	
		For 10" WG (Class A), Add	39.71	
		For Work In Restricted Working Space, Add	25.90	
23 31 13 13-0304	LF	10" x 10", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	61.73	32.37
		For 3" WG (Class B), Add	8.09	
		For 4" Or 6" WG (Class A), Add	17.27	
		For 10" WG (Class A), Add	24.82	
		For Work In Restricted Working Space, Add	16.19	
23 31 13 13-0305	LF	10" x 12", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	67.90	35.61
		For 3" WG (Class B), Add	8.90	
		For 4" Or 6" WG (Class A), Add	18.99	
		For 10" WG (Class A), Add	27.30	
		For Work In Restricted Working Space, Add	17.81	
23 31 13 13-0306	LF	10" x 14", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	74.07	38.84
		For 3" WG (Class B), Add	9.71	
		For 4" Or 6" WG (Class A), Add	20.72	
		For 10" WG (Class A), Add	29.79	
		For Work In Restricted Working Space, Add	19.43	
23 31 13 13-0307	LF	10" x 16", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	80.24	42.09
		For 3" WG (Class B), Add	10.52	
		For 4" Or 6" WG (Class A), Add	22.44	
		For 10" WG (Class A), Add	32.26	
		For Work In Restricted Working Space, Add	21.04	
23 31 13 13-0308	LF	10" x 18", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	86.41	45.33
		For 3" WG (Class B), Add	11.33	
		For 4" Or 6" WG (Class A), Add	24.17	
		For 10" WG (Class A), Add	34.74	
		For Work In Restricted Working Space, Add	22.66	
23 31 13 13-0309	LF	10" x 20", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	92.58	48.56
		For 3" WG (Class B), Add	12.14	
		For 4" Or 6" WG (Class A), Add	25.90	
		For 10" WG (Class A), Add	37.23	
		For Work In Restricted Working Space, Add	24.28	
23 31 13 13-0310	LF	10" x 22", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	98.76	51.79
		For 3" WG (Class B), Add	12.95	
		For 4" Or 6" WG (Class A), Add	27.63	
		For 10" WG (Class A), Add	39.71	
		For Work In Restricted Working Space, Add	25.90	
23 31 13 13-0311	LF	10" x 24", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	104.93	55.03
		For 3" WG (Class B), Add	13.76	
		For 4" Or 6" WG (Class A), Add	29.35	
		For 10" WG (Class A), Add	42.19	
		For Work In Restricted Working Space, Add	27.52	
23 31 13 13-0312	LF	10" x 26", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	111.10	58.27
		For 3" WG (Class B), Add	14.57	
		For 4" Or 6" WG (Class A), Add	31.08	
		For 10" WG (Class A), Add	44.68	
		For Work In Restricted Working Space, Add	29.14	
23 31 13 13-0313	LF	10" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	117.28	61.51
		For 3" WG (Class B), Add	15.38	
		For 4" Or 6" WG (Class A), Add	32.81	
		For 10" WG (Class A), Add	47.16	
		For Work In Restricted Working Space, Add	30.76	
23 31 13 13-0314	LF	10" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	123.44	64.75
		For 3" WG (Class B), Add	16.19	
		For 4" Or 6" WG (Class A), Add	34.53	
		For 10" WG (Class A), Add	49.63	
		For Work In Restricted Working Space, Add	32.37	
23 31 13 13-0315	LF	10" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	129.61	67.99
		For 3" WG (Class B), Add	17.00	
		For 4" Or 6" WG (Class A), Add	36.26	
		For 10" WG (Class A), Add	52.12	
		For Work In Restricted Working Space, Add	33.99	
23 31 13 13-0316	LF	12" x 12", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	74.07	38.84
		For 3" WG (Class B), Add	9.71	
		For 4" Or 6" WG (Class A), Add	20.72	
		For 10" WG (Class A), Add	29.79	
		For Work In Restricted Working Space, Add	19.43	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0317	LF	12" x 14", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	80.24 10.52 22.44 32.26 21.04	42.09
23 31 13	13-0318	LF	12" x 16", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	86.41 11.33 24.17 34.74 22.66	45.33
23 31 13	13-0319	LF	12" x 18", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	92.58 12.14 25.90 37.23 24.28	48.56
23 31 13	13-0320	LF	12" x 20", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	98.76 12.95 27.63 39.71 25.90	51.79
23 31 13	13-0321	LF	12" x 22", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	104.93 13.76 29.35 42.19 27.52	55.03
23 31 13	13-0322	LF	12" x 24", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	111.10 14.57 31.08 44.68 29.14	58.27
23 31 13	13-0323	LF	12" x 26", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	117.28 15.38 32.81 47.16 30.76	61.51
23 31 13	13-0324	LF	12" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	123.44 16.19 34.53 49.63 32.37	64.75
23 31 13	13-0325	LF	12" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	129.61 17.00 36.26 52.12 33.99	67.99
23 31 13	13-0326	LF	12" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	135.79 17.81 37.98 54.60 35.61	71.21
23 31 13	13-0327	LF	12" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	141.96 18.61 39.71 57.08 37.23	74.46
23 31 13	13-0328	LF	12" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	148.14 19.42 41.44 59.57 38.85	77.70
23 31 13	13-0329	LF	14" x 14", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	86.41 11.33 24.17 34.74 22.66	45.33
23 31 13	13-0330	LF	14" x 16", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	92.58 12.14 25.90 37.23 24.28	48.56
23 31 13	13-0331	LF	14" x 18", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	98.76 12.95 27.63 39.71 25.90	51.79
23 31 13	13-0332	LF	14" x 20", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	104.93 13.76 29.35 42.19 27.52	55.03
23 31 13	13-0333	LF	14" x 22", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	111.10 14.57 31.08 44.68 29.14	58.27
23 31 13	13-0334	LF	14" x 24", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	117.28 15.38 32.81 47.16 30.76	61.51

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 31 13 13-0335	LF 14" x 26", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	123.44	64.75
	For 3" WG (Class B), Add	16.19	
	For 4" Or 6" WG (Class A), Add	34.53	
	For 10" WG (Class A), Add	49.63	
	For Work In Restricted Working Space, Add	32.37	
23 31 13 13-0336	LF 14" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	129.61	67.99
	For 3" WG (Class B), Add	17.00	
	For 4" Or 6" WG (Class A), Add	36.26	
	For 10" WG (Class A), Add	52.12	
	For Work In Restricted Working Space, Add	33.99	
23 31 13 13-0337	LF 14" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	135.79	71.21
	For 3" WG (Class B), Add	17.81	
	For 4" Or 6" WG (Class A), Add	37.98	
	For 10" WG (Class A), Add	54.60	
	For Work In Restricted Working Space, Add	35.61	
23 31 13 13-0338	LF 14" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	141.96	74.46
	For 3" WG (Class B), Add	18.61	
	For 4" Or 6" WG (Class A), Add	39.71	
	For 10" WG (Class A), Add	57.08	
	For Work In Restricted Working Space, Add	37.23	
23 31 13 13-0339	LF 14" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	148.14	77.70
	For 3" WG (Class B), Add	19.42	
	For 4" Or 6" WG (Class A), Add	41.44	
	For 10" WG (Class A), Add	59.57	
	For Work In Restricted Working Space, Add	38.85	
23 31 13 13-0340	LF 14" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	154.31	80.93
	For 3" WG (Class B), Add	20.23	
	For 4" Or 6" WG (Class A), Add	43.16	
	For 10" WG (Class A), Add	62.05	
	For Work In Restricted Working Space, Add	40.47	
23 31 13 13-0341	LF 16" x 16", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	98.76	51.79
	For 3" WG (Class B), Add	12.95	
	For 4" Or 6" WG (Class A), Add	27.63	
	For 10" WG (Class A), Add	39.71	
	For Work In Restricted Working Space, Add	25.90	
23 31 13 13-0342	LF 16" x 18", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	104.93	55.03
	For 3" WG (Class B), Add	13.76	
	For 4" Or 6" WG (Class A), Add	29.35	
	For 10" WG (Class A), Add	42.19	
	For Work In Restricted Working Space, Add	27.52	
23 31 13 13-0343	LF 16" x 20", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	111.10	58.27
	For 3" WG (Class B), Add	14.57	
	For 4" Or 6" WG (Class A), Add	31.08	
	For 10" WG (Class A), Add	44.68	
	For Work In Restricted Working Space, Add	29.14	
23 31 13 13-0344	LF 16" x 22", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	117.28	61.51
	For 3" WG (Class B), Add	15.38	
	For 4" Or 6" WG (Class A), Add	32.81	
	For 10" WG (Class A), Add	47.16	
	For Work In Restricted Working Space, Add	30.76	
23 31 13 13-0345	LF 16" x 24", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	123.44	64.75
	For 3" WG (Class B), Add	16.19	
	For 4" Or 6" WG (Class A), Add	34.53	
	For 10" WG (Class A), Add	49.63	
	For Work In Restricted Working Space, Add	32.37	
23 31 13 13-0346	LF 16" x 26", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	129.61	67.99
	For 3" WG (Class B), Add	17.00	
	For 4" Or 6" WG (Class A), Add	36.26	
	For 10" WG (Class A), Add	52.12	
	For Work In Restricted Working Space, Add	33.99	
23 31 13 13-0347	LF 16" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	135.79	71.21
	For 3" WG (Class B), Add	17.81	
	For 4" Or 6" WG (Class A), Add	37.98	
	For 10" WG (Class A), Add	54.60	
	For Work In Restricted Working Space, Add	35.61	
23 31 13 13-0348	LF 16" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	141.96	74.46
	For 3" WG (Class B), Add	18.61	
	For 4" Or 6" WG (Class A), Add	39.71	
	For 10" WG (Class A), Add	57.08	
	For Work In Restricted Working Space, Add	37.23	
23 31 13 13-0349	LF 16" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	148.14	77.70
	For 3" WG (Class B), Add	19.42	
	For 4" Or 6" WG (Class A), Add	41.44	
	For 10" WG (Class A), Add	59.57	
	For Work In Restricted Working Space, Add	38.85	
23 31 13 13-0350	LF 16" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	154.31	80.93
	For 3" WG (Class B), Add	20.23	
	For 4" Or 6" WG (Class A), Add	43.16	
	For 10" WG (Class A), Add	62.05	
	For Work In Restricted Working Space, Add	40.47	
23 31 13 13-0351	LF 16" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	160.48	84.17
	For 3" WG (Class B), Add	21.04	
	For 4" Or 6" WG (Class A), Add	44.89	
	For 10" WG (Class A), Add	64.53	
	For Work In Restricted Working Space, Add	42.08	
23 31 13 13-0352	LF 16" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	166.66	87.41
	For 3" WG (Class B), Add	21.85	
	For 4" Or 6" WG (Class A), Add	46.62	
	For 10" WG (Class A), Add	67.01	
	For Work In Restricted Working Space, Add	43.70	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0353	LF	16" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	172.82	90.64	
		For 3" WG (Class B), Add	22.66		
		For 4" Or 6" WG (Class A), Add	48.34		
		For 10" WG (Class A), Add	69.49		
		For Work In Restricted Working Space, Add	45.32		
23 31 13 13-0354	LF	16" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	178.99	93.88	
		For 3" WG (Class B), Add	23.47		
		For 4" Or 6" WG (Class A), Add	50.07		
		For 10" WG (Class A), Add	71.97		
		For Work In Restricted Working Space, Add	46.94		
23 31 13 13-0355	LF	16" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	185.18	97.12	
		For 3" WG (Class B), Add	24.28		
		For 4" Or 6" WG (Class A), Add	51.80		
		For 10" WG (Class A), Add	74.46		
		For Work In Restricted Working Space, Add	48.56		
23 31 13 13-0356	LF	18" x 18", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	111.10	58.27	
		For 3" WG (Class B), Add	14.57		
		For 4" Or 6" WG (Class A), Add	31.08		
		For 10" WG (Class A), Add	44.68		
		For Work In Restricted Working Space, Add	29.14		
23 31 13 13-0357	LF	18" x 20", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	117.28	61.51	
		For 3" WG (Class B), Add	15.38		
		For 4" Or 6" WG (Class A), Add	32.81		
		For 10" WG (Class A), Add	47.16		
		For Work In Restricted Working Space, Add	30.76		
23 31 13 13-0358	LF	18" x 22", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	123.44	64.75	
		For 3" WG (Class B), Add	16.19		
		For 4" Or 6" WG (Class A), Add	34.53		
		For 10" WG (Class A), Add	49.63		
		For Work In Restricted Working Space, Add	32.37		
23 31 13 13-0359	LF	18" x 24", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	129.61	67.99	
		For 3" WG (Class B), Add	17.00		
		For 4" Or 6" WG (Class A), Add	36.26		
		For 10" WG (Class A), Add	52.12		
		For Work In Restricted Working Space, Add	33.99		
23 31 13 13-0360	LF	18" x 26", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	135.79	71.21	
		For 3" WG (Class B), Add	17.81		
		For 4" Or 6" WG (Class A), Add	37.98		
		For 10" WG (Class A), Add	54.60		
		For Work In Restricted Working Space, Add	35.61		
23 31 13 13-0361	LF	18" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	141.96	74.46	
		For 3" WG (Class B), Add	18.61		
		For 4" Or 6" WG (Class A), Add	39.71		
		For 10" WG (Class A), Add	57.08		
		For Work In Restricted Working Space, Add	37.23		
23 31 13 13-0362	LF	18" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	148.14	77.70	
		For 3" WG (Class B), Add	19.42		
		For 4" Or 6" WG (Class A), Add	41.44		
		For 10" WG (Class A), Add	59.57		
		For Work In Restricted Working Space, Add	38.85		
23 31 13 13-0363	LF	18" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	154.31	80.93	
		For 3" WG (Class B), Add	20.23		
		For 4" Or 6" WG (Class A), Add	43.16		
		For 10" WG (Class A), Add	62.05		
		For Work In Restricted Working Space, Add	40.47		
23 31 13 13-0364	LF	18" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	160.48	84.17	
		For 3" WG (Class B), Add	21.04		
		For 4" Or 6" WG (Class A), Add	44.89		
		For 10" WG (Class A), Add	64.53		
		For Work In Restricted Working Space, Add	42.08		
23 31 13 13-0365	LF	18" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	166.66	87.41	
		For 3" WG (Class B), Add	21.85		
		For 4" Or 6" WG (Class A), Add	46.62		
		For 10" WG (Class A), Add	67.01		
		For Work In Restricted Working Space, Add	43.70		
23 31 13 13-0366	LF	18" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	172.82	90.64	
		For 3" WG (Class B), Add	22.66		
		For 4" Or 6" WG (Class A), Add	48.34		
		For 10" WG (Class A), Add	69.49		
		For Work In Restricted Working Space, Add	45.32		
23 31 13 13-0367	LF	18" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	178.99	93.88	
		For 3" WG (Class B), Add	23.47		
		For 4" Or 6" WG (Class A), Add	50.07		
		For 10" WG (Class A), Add	71.97		
		For Work In Restricted Working Space, Add	46.94		
23 31 13 13-0368	LF	18" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	185.18	97.12	
		For 3" WG (Class B), Add	24.28		
		For 4" Or 6" WG (Class A), Add	51.80		
		For 10" WG (Class A), Add	74.46		
		For Work In Restricted Working Space, Add	48.56		
23 31 13 13-0369	LF	18" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	191.34	100.35	
		For 3" WG (Class B), Add	25.09		
		For 4" Or 6" WG (Class A), Add	53.52		
		For 10" WG (Class A), Add	76.94		
		For Work In Restricted Working Space, Add	50.18		
23 31 13 13-0370	LF	18" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	197.51	103.59	
		For 3" WG (Class B), Add	25.90		
		For 4" Or 6" WG (Class A), Add	55.25		
		For 10" WG (Class A), Add	79.42		
		For Work In Restricted Working Space, Add	51.80		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 31 13 13-0371	LF 20" x 20", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	123.44	64.75
	For 3" WG (Class B), Add	16.19	
	For 4" Or 6" WG (Class A), Add	34.53	
	For 10" WG (Class A), Add	49.63	
	For Work In Restricted Working Space, Add	32.37	
23 31 13 13-0372	LF 20" x 22", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	129.61	67.99
	For 3" WG (Class B), Add	17.00	
	For 4" Or 6" WG (Class A), Add	36.26	
	For 10" WG (Class A), Add	52.12	
	For Work In Restricted Working Space, Add	33.99	
23 31 13 13-0373	LF 20" x 24", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	135.79	71.21
	For 3" WG (Class B), Add	17.81	
	For 4" Or 6" WG (Class A), Add	37.98	
	For 10" WG (Class A), Add	54.60	
	For Work In Restricted Working Space, Add	35.61	
23 31 13 13-0374	LF 20" x 26", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	141.96	74.46
	For 3" WG (Class B), Add	18.61	
	For 4" Or 6" WG (Class A), Add	39.71	
	For 10" WG (Class A), Add	57.08	
	For Work In Restricted Working Space, Add	37.23	
23 31 13 13-0375	LF 20" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	148.14	77.70
	For 3" WG (Class B), Add	19.42	
	For 4" Or 6" WG (Class A), Add	41.44	
	For 10" WG (Class A), Add	59.57	
	For Work In Restricted Working Space, Add	38.85	
23 31 13 13-0376	LF 20" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	154.31	80.93
	For 3" WG (Class B), Add	20.23	
	For 4" Or 6" WG (Class A), Add	43.16	
	For 10" WG (Class A), Add	62.05	
	For Work In Restricted Working Space, Add	40.47	
23 31 13 13-0377	LF 20" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	160.48	84.17
	For 3" WG (Class B), Add	21.04	
	For 4" Or 6" WG (Class A), Add	44.89	
	For 10" WG (Class A), Add	64.53	
	For Work In Restricted Working Space, Add	42.08	
23 31 13 13-0378	LF 20" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	166.66	87.41
	For 3" WG (Class B), Add	21.85	
	For 4" Or 6" WG (Class A), Add	46.62	
	For 10" WG (Class A), Add	67.01	
	For Work In Restricted Working Space, Add	43.70	
23 31 13 13-0379	LF 20" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	172.82	90.64
	For 3" WG (Class B), Add	22.66	
	For 4" Or 6" WG (Class A), Add	48.34	
	For 10" WG (Class A), Add	69.49	
	For Work In Restricted Working Space, Add	45.32	
23 31 13 13-0380	LF 20" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	178.99	93.88
	For 3" WG (Class B), Add	23.47	
	For 4" Or 6" WG (Class A), Add	50.07	
	For 10" WG (Class A), Add	71.97	
	For Work In Restricted Working Space, Add	46.94	
23 31 13 13-0381	LF 20" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	185.18	97.12
	For 3" WG (Class B), Add	24.28	
	For 4" Or 6" WG (Class A), Add	51.80	
	For 10" WG (Class A), Add	74.46	
	For Work In Restricted Working Space, Add	48.56	
23 31 13 13-0382	LF 20" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	191.34	100.35
	For 3" WG (Class B), Add	25.09	
	For 4" Or 6" WG (Class A), Add	53.52	
	For 10" WG (Class A), Add	76.94	
	For Work In Restricted Working Space, Add	50.18	
23 31 13 13-0383	LF 20" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	197.51	103.59
	For 3" WG (Class B), Add	25.90	
	For 4" Or 6" WG (Class A), Add	55.25	
	For 10" WG (Class A), Add	79.42	
	For Work In Restricted Working Space, Add	51.80	
23 31 13 13-0384	LF 20" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	203.69	106.84
	For 3" WG (Class B), Add	26.71	
	For 4" Or 6" WG (Class A), Add	56.98	
	For 10" WG (Class A), Add	81.90	
	For Work In Restricted Working Space, Add	53.42	
23 31 13 13-0385	LF 20" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	209.86	110.07
	For 3" WG (Class B), Add	27.52	
	For 4" Or 6" WG (Class A), Add	58.70	
	For 10" WG (Class A), Add	84.39	
	For Work In Restricted Working Space, Add	55.04	
23 31 13 13-0386	LF 22" x 22", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	135.79	71.21
	For 3" WG (Class B), Add	17.81	
	For 4" Or 6" WG (Class A), Add	37.98	
	For 10" WG (Class A), Add	54.60	
	For Work In Restricted Working Space, Add	35.61	
23 31 13 13-0387	LF 22" x 24", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	141.96	74.46
	For 3" WG (Class B), Add	18.61	
	For 4" Or 6" WG (Class A), Add	39.71	
	For 10" WG (Class A), Add	57.08	
	For Work In Restricted Working Space, Add	37.23	
23 31 13 13-0388	LF 22" x 26", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	148.14	77.70
	For 3" WG (Class B), Add	19.42	
	For 4" Or 6" WG (Class A), Add	41.44	
	For 10" WG (Class A), Add	59.57	
	For Work In Restricted Working Space, Add	38.85	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0389	LF	22" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	154.31	80.93	
		For 3" WG (Class B), Add	20.23		
		For 4" Or 6" WG (Class A), Add	43.16		
		For 10" WG (Class A), Add	62.05		
		For Work In Restricted Working Space, Add	40.47		
23 31 13 13-0390	LF	22" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	160.48	84.17	
		For 3" WG (Class B), Add	21.04		
		For 4" Or 6" WG (Class A), Add	44.89		
		For 10" WG (Class A), Add	64.53		
		For Work In Restricted Working Space, Add	42.08		
23 31 13 13-0391	LF	22" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	166.66	87.41	
		For 3" WG (Class B), Add	21.85		
		For 4" Or 6" WG (Class A), Add	46.62		
		For 10" WG (Class A), Add	67.01		
		For Work In Restricted Working Space, Add	43.70		
23 31 13 13-0392	LF	22" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	172.82	90.64	
		For 3" WG (Class B), Add	22.66		
		For 4" Or 6" WG (Class A), Add	48.34		
		For 10" WG (Class A), Add	69.49		
		For Work In Restricted Working Space, Add	45.32		
23 31 13 13-0393	LF	22" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	178.99	93.88	
		For 3" WG (Class B), Add	23.47		
		For 4" Or 6" WG (Class A), Add	50.07		
		For 10" WG (Class A), Add	71.97		
		For Work In Restricted Working Space, Add	46.94		
23 31 13 13-0394	LF	22" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	185.18	97.12	
		For 3" WG (Class B), Add	24.28		
		For 4" Or 6" WG (Class A), Add	51.80		
		For 10" WG (Class A), Add	74.46		
		For Work In Restricted Working Space, Add	48.56		
23 31 13 13-0395	LF	22" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	191.34	100.35	
		For 3" WG (Class B), Add	25.09		
		For 4" Or 6" WG (Class A), Add	53.52		
		For 10" WG (Class A), Add	76.94		
		For Work In Restricted Working Space, Add	50.18		
23 31 13 13-0396	LF	22" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	197.51	103.59	
		For 3" WG (Class B), Add	25.90		
		For 4" Or 6" WG (Class A), Add	55.25		
		For 10" WG (Class A), Add	79.42		
		For Work In Restricted Working Space, Add	51.80		
23 31 13 13-0397	LF	22" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	203.69	106.84	
		For 3" WG (Class B), Add	26.71		
		For 4" Or 6" WG (Class A), Add	56.98		
		For 10" WG (Class A), Add	81.90		
		For Work In Restricted Working Space, Add	53.42		
23 31 13 13-0398	LF	22" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	209.86	110.07	
		For 3" WG (Class B), Add	27.52		
		For 4" Or 6" WG (Class A), Add	58.70		
		For 10" WG (Class A), Add	84.39		
		For Work In Restricted Working Space, Add	55.04		
23 31 13 13-0399	LF	22" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	216.02	113.30	
		For 3" WG (Class B), Add	28.32		
		For 4" Or 6" WG (Class A), Add	60.43		
		For 10" WG (Class A), Add	86.86		
		For Work In Restricted Working Space, Add	56.65		
23 31 13 13-0400	LF	24" x 24", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	148.14	77.70	
		For 3" WG (Class B), Add	19.42		
		For 4" Or 6" WG (Class A), Add	41.44		
		For 10" WG (Class A), Add	59.57		
		For Work In Restricted Working Space, Add	38.85		
23 31 13 13-0401	LF	24" x 26", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	154.31	80.93	
		For 3" WG (Class B), Add	20.23		
		For 4" Or 6" WG (Class A), Add	43.16		
		For 10" WG (Class A), Add	62.05		
		For Work In Restricted Working Space, Add	40.47		
23 31 13 13-0402	LF	24" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	160.48	84.17	
		For 3" WG (Class B), Add	21.04		
		For 4" Or 6" WG (Class A), Add	44.89		
		For 10" WG (Class A), Add	64.53		
		For Work In Restricted Working Space, Add	42.08		
23 31 13 13-0403	LF	24" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	166.66	87.41	
		For 3" WG (Class B), Add	21.85		
		For 4" Or 6" WG (Class A), Add	46.62		
		For 10" WG (Class A), Add	67.01		
		For Work In Restricted Working Space, Add	43.70		
23 31 13 13-0404	LF	24" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	172.82	90.64	
		For 3" WG (Class B), Add	22.66		
		For 4" Or 6" WG (Class A), Add	48.34		
		For 10" WG (Class A), Add	69.49		
		For Work In Restricted Working Space, Add	45.32		
23 31 13 13-0405	LF	24" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	178.99	93.88	
		For 3" WG (Class B), Add	23.47		
		For 4" Or 6" WG (Class A), Add	50.07		
		For 10" WG (Class A), Add	71.97		
		For Work In Restricted Working Space, Add	46.94		
23 31 13 13-0406	LF	24" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	185.18	97.12	
		For 3" WG (Class B), Add	24.28		
		For 4" Or 6" WG (Class A), Add	51.80		
		For 10" WG (Class A), Add	74.46		
		For Work In Restricted Working Space, Add	48.56		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 31 13 13-0407	LF 24" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	191.34	100.35
	For 3" WG (Class B), Add	25.09	
	For 4" Or 6" WG (Class A), Add	53.52	
	For 10" WG (Class A), Add	76.94	
	For Work In Restricted Working Space, Add	50.18	
23 31 13 13-0408	LF 24" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	197.51	103.59
	For 3" WG (Class B), Add	25.90	
	For 4" Or 6" WG (Class A), Add	55.25	
	For 10" WG (Class A), Add	79.42	
	For Work In Restricted Working Space, Add	51.80	
23 31 13 13-0409	LF 24" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	203.69	106.84
	For 3" WG (Class B), Add	26.71	
	For 4" Or 6" WG (Class A), Add	56.98	
	For 10" WG (Class A), Add	81.90	
	For Work In Restricted Working Space, Add	53.42	
23 31 13 13-0410	LF 24" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	209.86	110.07
	For 3" WG (Class B), Add	27.52	
	For 4" Or 6" WG (Class A), Add	58.70	
	For 10" WG (Class A), Add	84.39	
	For Work In Restricted Working Space, Add	55.04	
23 31 13 13-0411	LF 24" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	216.02	113.30
	For 3" WG (Class B), Add	28.32	
	For 4" Or 6" WG (Class A), Add	60.43	
	For 10" WG (Class A), Add	86.86	
	For Work In Restricted Working Space, Add	56.65	
23 31 13 13-0412	LF 24" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	222.20	116.54
	For 3" WG (Class B), Add	29.13	
	For 4" Or 6" WG (Class A), Add	62.15	
	For 10" WG (Class A), Add	89.35	
	For Work In Restricted Working Space, Add	58.27	
23 31 13 13-0413	LF 26" x 26", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	160.48	84.17
	For 3" WG (Class B), Add	21.04	
	For 4" Or 6" WG (Class A), Add	44.89	
	For 10" WG (Class A), Add	64.53	
	For Work In Restricted Working Space, Add	42.08	
23 31 13 13-0414	LF 26" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	166.66	87.41
	For 3" WG (Class B), Add	21.85	
	For 4" Or 6" WG (Class A), Add	46.62	
	For 10" WG (Class A), Add	67.01	
	For Work In Restricted Working Space, Add	43.70	
23 31 13 13-0415	LF 26" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	172.82	90.64
	For 3" WG (Class B), Add	22.66	
	For 4" Or 6" WG (Class A), Add	48.34	
	For 10" WG (Class A), Add	69.49	
	For Work In Restricted Working Space, Add	45.32	
23 31 13 13-0416	LF 26" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	178.99	93.88
	For 3" WG (Class B), Add	23.47	
	For 4" Or 6" WG (Class A), Add	50.07	
	For 10" WG (Class A), Add	71.97	
	For Work In Restricted Working Space, Add	46.94	
23 31 13 13-0417	LF 26" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	185.18	97.12
	For 3" WG (Class B), Add	24.28	
	For 4" Or 6" WG (Class A), Add	51.80	
	For 10" WG (Class A), Add	74.46	
	For Work In Restricted Working Space, Add	48.56	
23 31 13 13-0418	LF 26" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	191.34	100.35
	For 3" WG (Class B), Add	25.09	
	For 4" Or 6" WG (Class A), Add	53.52	
	For 10" WG (Class A), Add	76.94	
	For Work In Restricted Working Space, Add	50.18	
23 31 13 13-0419	LF 26" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	197.51	103.59
	For 3" WG (Class B), Add	25.90	
	For 4" Or 6" WG (Class A), Add	55.25	
	For 10" WG (Class A), Add	79.42	
	For Work In Restricted Working Space, Add	51.80	
23 31 13 13-0420	LF 26" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	203.69	106.84
	For 3" WG (Class B), Add	26.71	
	For 4" Or 6" WG (Class A), Add	56.98	
	For 10" WG (Class A), Add	81.90	
	For Work In Restricted Working Space, Add	53.42	
23 31 13 13-0421	LF 26" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	209.86	110.07
	For 3" WG (Class B), Add	27.52	
	For 4" Or 6" WG (Class A), Add	58.70	
	For 10" WG (Class A), Add	84.39	
	For Work In Restricted Working Space, Add	55.04	
23 31 13 13-0422	LF 26" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	216.02	113.30
	For 3" WG (Class B), Add	28.32	
	For 4" Or 6" WG (Class A), Add	60.43	
	For 10" WG (Class A), Add	86.86	
	For Work In Restricted Working Space, Add	56.65	
23 31 13 13-0423	LF 26" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	222.20	116.54
	For 3" WG (Class B), Add	29.13	
	For 4" Or 6" WG (Class A), Add	62.15	
	For 10" WG (Class A), Add	89.35	
	For Work In Restricted Working Space, Add	58.27	
23 31 13 13-0424	LF 26" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	228.38	119.78
	For 3" WG (Class B), Add	29.95	
	For 4" Or 6" WG (Class A), Add	63.88	
	For 10" WG (Class A), Add	91.83	
	For Work In Restricted Working Space, Add	59.89	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0425	LF	28" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	172.82	90.64	
		For 3" WG (Class B), Add	22.66		
		For 4" Or 6" WG (Class A), Add	48.34		
		For 10" WG (Class A), Add	69.49		
		For Work In Restricted Working Space, Add	45.32		
23 31 13 13-0426	LF	28" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	178.99	93.88	
		For 3" WG (Class B), Add	23.47		
		For 4" Or 6" WG (Class A), Add	50.07		
		For 10" WG (Class A), Add	71.97		
		For Work In Restricted Working Space, Add	46.94		
23 31 13 13-0427	LF	28" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	185.18	97.12	
		For 3" WG (Class B), Add	24.28		
		For 4" Or 6" WG (Class A), Add	51.80		
		For 10" WG (Class A), Add	74.46		
		For Work In Restricted Working Space, Add	48.56		
23 31 13 13-0428	LF	28" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	191.34	100.35	
		For 3" WG (Class B), Add	25.09		
		For 4" Or 6" WG (Class A), Add	53.52		
		For 10" WG (Class A), Add	76.94		
		For Work In Restricted Working Space, Add	50.18		
23 31 13 13-0429	LF	28" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	197.51	103.59	
		For 3" WG (Class B), Add	25.90		
		For 4" Or 6" WG (Class A), Add	55.25		
		For 10" WG (Class A), Add	79.42		
		For Work In Restricted Working Space, Add	51.80		
23 31 13 13-0430	LF	28" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	203.69	106.84	
		For 3" WG (Class B), Add	26.71		
		For 4" Or 6" WG (Class A), Add	56.98		
		For 10" WG (Class A), Add	81.90		
		For Work In Restricted Working Space, Add	53.42		
23 31 13 13-0431	LF	28" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	209.86	110.07	
		For 3" WG (Class B), Add	27.52		
		For 4" Or 6" WG (Class A), Add	58.70		
		For 10" WG (Class A), Add	84.39		
		For Work In Restricted Working Space, Add	55.04		
23 31 13 13-0432	LF	28" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	216.02	113.30	
		For 3" WG (Class B), Add	28.32		
		For 4" Or 6" WG (Class A), Add	60.43		
		For 10" WG (Class A), Add	86.86		
		For Work In Restricted Working Space, Add	56.65		
23 31 13 13-0433	LF	28" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	222.20	116.54	
		For 3" WG (Class B), Add	29.13		
		For 4" Or 6" WG (Class A), Add	62.15		
		For 10" WG (Class A), Add	89.35		
		For Work In Restricted Working Space, Add	58.27		
23 31 13 13-0434	LF	28" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	228.38	119.78	
		For 3" WG (Class B), Add	29.95		
		For 4" Or 6" WG (Class A), Add	63.88		
		For 10" WG (Class A), Add	91.83		
		For Work In Restricted Working Space, Add	59.89		
23 31 13 13-0435	LF	28" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	234.55	123.02	
		For 3" WG (Class B), Add	30.75		
		For 4" Or 6" WG (Class A), Add	65.61		
		For 10" WG (Class A), Add	94.31		
		For Work In Restricted Working Space, Add	61.51		
23 31 13 13-0436	LF	30" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	185.18	97.12	
		For 3" WG (Class B), Add	24.28		
		For 4" Or 6" WG (Class A), Add	51.80		
		For 10" WG (Class A), Add	74.46		
		For Work In Restricted Working Space, Add	48.56		
23 31 13 13-0437	LF	30" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	191.34	100.35	
		For 3" WG (Class B), Add	25.09		
		For 4" Or 6" WG (Class A), Add	53.52		
		For 10" WG (Class A), Add	76.94		
		For Work In Restricted Working Space, Add	50.18		
23 31 13 13-0438	LF	30" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	197.51	103.59	
		For 3" WG (Class B), Add	25.90		
		For 4" Or 6" WG (Class A), Add	55.25		
		For 10" WG (Class A), Add	79.42		
		For Work In Restricted Working Space, Add	51.80		
23 31 13 13-0439	LF	30" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	203.69	106.84	
		For 3" WG (Class B), Add	26.71		
		For 4" Or 6" WG (Class A), Add	56.98		
		For 10" WG (Class A), Add	81.90		
		For Work In Restricted Working Space, Add	53.42		
23 31 13 13-0440	LF	30" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	209.86	110.07	
		For 3" WG (Class B), Add	27.52		
		For 4" Or 6" WG (Class A), Add	58.70		
		For 10" WG (Class A), Add	84.39		
		For Work In Restricted Working Space, Add	55.04		
23 31 13 13-0441	LF	30" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	216.02	113.30	
		For 3" WG (Class B), Add	28.32		
		For 4" Or 6" WG (Class A), Add	60.43		
		For 10" WG (Class A), Add	86.86		
		For Work In Restricted Working Space, Add	56.65		
23 31 13 13-0442	LF	30" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	222.20	116.54	
		For 3" WG (Class B), Add	29.13		
		For 4" Or 6" WG (Class A), Add	62.15		
		For 10" WG (Class A), Add	89.35		
		For Work In Restricted Working Space, Add	58.27		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 31 13 13-0443	LF	30" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	228.38	119.78
		For 3" WG (Class B), Add	29.95	
		For 4" Or 6" WG (Class A), Add	63.88	
		For 10" WG (Class A), Add	91.83	
		For Work In Restricted Working Space, Add	59.89	
23 31 13 13-0444	LF	30" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	234.55	123.02
		For 3" WG (Class B), Add	30.75	
		For 4" Or 6" WG (Class A), Add	65.61	
		For 10" WG (Class A), Add	94.31	
		For Work In Restricted Working Space, Add	61.51	
23 31 13 13-0445	LF	30" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	240.72	126.26
		For 3" WG (Class B), Add	31.56	
		For 4" Or 6" WG (Class A), Add	67.33	
		For 10" WG (Class A), Add	96.79	
		For Work In Restricted Working Space, Add	63.13	
23 31 13 13-0446	LF	32" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	197.51	103.59
		For 3" WG (Class B), Add	25.90	
		For 4" Or 6" WG (Class A), Add	55.25	
		For 10" WG (Class A), Add	79.42	
		For Work In Restricted Working Space, Add	51.80	
23 31 13 13-0447	LF	32" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	203.69	106.84
		For 3" WG (Class B), Add	26.71	
		For 4" Or 6" WG (Class A), Add	56.98	
		For 10" WG (Class A), Add	81.90	
		For Work In Restricted Working Space, Add	53.42	
23 31 13 13-0448	LF	32" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	209.86	110.07
		For 3" WG (Class B), Add	27.52	
		For 4" Or 6" WG (Class A), Add	58.70	
		For 10" WG (Class A), Add	84.39	
		For Work In Restricted Working Space, Add	55.04	
23 31 13 13-0449	LF	32" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	216.02	113.30
		For 3" WG (Class B), Add	28.32	
		For 4" Or 6" WG (Class A), Add	60.43	
		For 10" WG (Class A), Add	86.86	
		For Work In Restricted Working Space, Add	56.65	
23 31 13 13-0450	LF	32" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	222.20	116.54
		For 3" WG (Class B), Add	29.13	
		For 4" Or 6" WG (Class A), Add	62.15	
		For 10" WG (Class A), Add	89.35	
		For Work In Restricted Working Space, Add	58.27	
23 31 13 13-0451	LF	32" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	228.38	119.78
		For 3" WG (Class B), Add	29.95	
		For 4" Or 6" WG (Class A), Add	63.88	
		For 10" WG (Class A), Add	91.83	
		For Work In Restricted Working Space, Add	59.89	
23 31 13 13-0452	LF	32" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	234.55	123.02
		For 3" WG (Class B), Add	30.75	
		For 4" Or 6" WG (Class A), Add	65.61	
		For 10" WG (Class A), Add	94.31	
		For Work In Restricted Working Space, Add	61.51	
23 31 13 13-0453	LF	32" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	240.72	126.26
		For 3" WG (Class B), Add	31.56	
		For 4" Or 6" WG (Class A), Add	67.33	
		For 10" WG (Class A), Add	96.79	
		For Work In Restricted Working Space, Add	63.13	
23 31 13 13-0454	LF	32" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	246.90	129.49
		For 3" WG (Class B), Add	32.37	
		For 4" Or 6" WG (Class A), Add	69.06	
		For 10" WG (Class A), Add	99.28	
		For Work In Restricted Working Space, Add	64.75	
23 31 13 13-0455	LF	34" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	209.86	110.07
		For 3" WG (Class B), Add	27.52	
		For 4" Or 6" WG (Class A), Add	58.70	
		For 10" WG (Class A), Add	84.39	
		For Work In Restricted Working Space, Add	55.04	
23 31 13 13-0456	LF	34" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	216.02	113.30
		For 3" WG (Class B), Add	28.32	
		For 4" Or 6" WG (Class A), Add	60.43	
		For 10" WG (Class A), Add	86.86	
		For Work In Restricted Working Space, Add	56.65	
23 31 13 13-0457	LF	34" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	222.20	116.54
		For 3" WG (Class B), Add	29.13	
		For 4" Or 6" WG (Class A), Add	62.15	
		For 10" WG (Class A), Add	89.35	
		For Work In Restricted Working Space, Add	58.27	
23 31 13 13-0458	LF	34" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	228.38	119.78
		For 3" WG (Class B), Add	29.95	
		For 4" Or 6" WG (Class A), Add	63.88	
		For 10" WG (Class A), Add	91.83	
		For Work In Restricted Working Space, Add	59.89	
23 31 13 13-0459	LF	34" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	234.55	123.02
		For 3" WG (Class B), Add	30.75	
		For 4" Or 6" WG (Class A), Add	65.61	
		For 10" WG (Class A), Add	94.31	
		For Work In Restricted Working Space, Add	61.51	
23 31 13 13-0460	LF	34" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	240.72	126.26
		For 3" WG (Class B), Add	31.56	
		For 4" Or 6" WG (Class A), Add	67.33	
		For 10" WG (Class A), Add	96.79	
		For Work In Restricted Working Space, Add	63.13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0461	LF		34" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	246.90	129.49
			For 3" WG (Class B), Add	32.37	
			For 4" Or 6" WG (Class A), Add	69.06	
			For 10" WG (Class A), Add	99.28	
			For Work In Restricted Working Space, Add	64.75	
23 31 13 13-0462	LF		34" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	253.06	132.72
			For 3" WG (Class B), Add	33.18	
			For 4" Or 6" WG (Class A), Add	70.79	
			For 10" WG (Class A), Add	101.76	
			For Work In Restricted Working Space, Add	66.36	
23 31 13 13-0463	LF		36" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	222.20	116.54
			For 3" WG (Class B), Add	29.13	
			For 4" Or 6" WG (Class A), Add	62.15	
			For 10" WG (Class A), Add	89.35	
			For Work In Restricted Working Space, Add	58.27	
23 31 13 13-0464	LF		36" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	228.38	119.78
			For 3" WG (Class B), Add	29.95	
			For 4" Or 6" WG (Class A), Add	63.88	
			For 10" WG (Class A), Add	91.83	
			For Work In Restricted Working Space, Add	59.89	
23 31 13 13-0465	LF		36" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	234.55	123.02
			For 3" WG (Class B), Add	30.75	
			For 4" Or 6" WG (Class A), Add	65.61	
			For 10" WG (Class A), Add	94.31	
			For Work In Restricted Working Space, Add	61.51	
23 31 13 13-0466	LF		36" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	240.72	126.26
			For 3" WG (Class B), Add	31.56	
			For 4" Or 6" WG (Class A), Add	67.33	
			For 10" WG (Class A), Add	96.79	
			For Work In Restricted Working Space, Add	63.13	
23 31 13 13-0467	LF		36" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	246.90	129.49
			For 3" WG (Class B), Add	32.37	
			For 4" Or 6" WG (Class A), Add	69.06	
			For 10" WG (Class A), Add	99.28	
			For Work In Restricted Working Space, Add	64.75	
23 31 13 13-0468	LF		36" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	253.06	132.72
			For 3" WG (Class B), Add	33.18	
			For 4" Or 6" WG (Class A), Add	70.79	
			For 10" WG (Class A), Add	101.76	
			For Work In Restricted Working Space, Add	66.36	
23 31 13 13-0469	LF		36" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	259.23	135.96
			For 3" WG (Class B), Add	33.99	
			For 4" Or 6" WG (Class A), Add	72.51	
			For 10" WG (Class A), Add	104.24	
			For Work In Restricted Working Space, Add	67.98	
23 31 13 13-0470	LF		38" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	234.55	123.02
			For 3" WG (Class B), Add	30.75	
			For 4" Or 6" WG (Class A), Add	65.61	
			For 10" WG (Class A), Add	94.31	
			For Work In Restricted Working Space, Add	61.51	
23 31 13 13-0471	LF		38" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	240.72	126.26
			For 3" WG (Class B), Add	31.56	
			For 4" Or 6" WG (Class A), Add	67.33	
			For 10" WG (Class A), Add	96.79	
			For Work In Restricted Working Space, Add	63.13	
23 31 13 13-0472	LF		38" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	246.90	129.49
			For 3" WG (Class B), Add	32.37	
			For 4" Or 6" WG (Class A), Add	69.06	
			For 10" WG (Class A), Add	99.28	
			For Work In Restricted Working Space, Add	64.75	
23 31 13 13-0473	LF		38" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	253.06	132.72
			For 3" WG (Class B), Add	33.18	
			For 4" Or 6" WG (Class A), Add	70.79	
			For 10" WG (Class A), Add	101.76	
			For Work In Restricted Working Space, Add	66.36	
23 31 13 13-0474	LF		38" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	259.23	135.96
			For 3" WG (Class B), Add	33.99	
			For 4" Or 6" WG (Class A), Add	72.51	
			For 10" WG (Class A), Add	104.24	
			For Work In Restricted Working Space, Add	67.98	
23 31 13 13-0475	LF		38" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	265.42	139.21
			For 3" WG (Class B), Add	34.80	
			For 4" Or 6" WG (Class A), Add	74.24	
			For 10" WG (Class A), Add	106.72	
			For Work In Restricted Working Space, Add	69.60	
23 31 13 13-0476	LF		38" x 50", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	271.58	142.44
			For 3" WG (Class B), Add	35.61	
			For 4" Or 6" WG (Class A), Add	75.97	
			For 10" WG (Class A), Add	109.20	
			For Work In Restricted Working Space, Add	71.22	
23 31 13 13-0477	LF		40" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	246.90	129.49
			For 3" WG (Class B), Add	32.37	
			For 4" Or 6" WG (Class A), Add	69.06	
			For 10" WG (Class A), Add	99.28	
			For Work In Restricted Working Space, Add	64.75	
23 31 13 13-0478	LF		40" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	253.06	132.72
			For 3" WG (Class B), Add	33.18	
			For 4" Or 6" WG (Class A), Add	70.79	
			For 10" WG (Class A), Add	101.76	
			For Work In Restricted Working Space, Add	66.36	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 31 13 13-0479	LF	40" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	259.23	135.96
		<i>For 3" WG (Class B), Add</i>	33.99	
		<i>For 4" Or 6" WG (Class A), Add</i>	72.51	
		<i>For 10" WG (Class A), Add</i>	104.24	
		<i>For Work In Restricted Working Space, Add</i>	67.98	
23 31 13 13-0480	LF	40" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	265.42	139.21
		<i>For 3" WG (Class B), Add</i>	34.80	
		<i>For 4" Or 6" WG (Class A), Add</i>	74.24	
		<i>For 10" WG (Class A), Add</i>	106.72	
		<i>For Work In Restricted Working Space, Add</i>	69.60	
23 31 13 13-0481	LF	40" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	271.58	142.44
		<i>For 3" WG (Class B), Add</i>	35.61	
		<i>For 4" Or 6" WG (Class A), Add</i>	75.97	
		<i>For 10" WG (Class A), Add</i>	109.20	
		<i>For Work In Restricted Working Space, Add</i>	71.22	
23 31 13 13-0482	LF	40" x 50", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	277.76	145.68
		<i>For 3" WG (Class B), Add</i>	36.42	
		<i>For 4" Or 6" WG (Class A), Add</i>	77.70	
		<i>For 10" WG (Class A), Add</i>	111.69	
		<i>For Work In Restricted Working Space, Add</i>	72.84	
23 31 13 13-0483	LF	40" x 52", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	283.93	148.91
		<i>For 3" WG (Class B), Add</i>	37.23	
		<i>For 4" Or 6" WG (Class A), Add</i>	79.42	
		<i>For 10" WG (Class A), Add</i>	114.17	
		<i>For Work In Restricted Working Space, Add</i>	74.46	
23 31 13 13-0484	LF	40" x 54", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	290.09	152.14
		<i>For 3" WG (Class B), Add</i>	38.04	
		<i>For 4" Or 6" WG (Class A), Add</i>	81.15	
		<i>For 10" WG (Class A), Add</i>	116.65	
		<i>For Work In Restricted Working Space, Add</i>	76.07	
23 31 13 13-0485	LF	42" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	259.23	135.96
		<i>For 3" WG (Class B), Add</i>	33.99	
		<i>For 4" Or 6" WG (Class A), Add</i>	72.51	
		<i>For 10" WG (Class A), Add</i>	104.24	
		<i>For Work In Restricted Working Space, Add</i>	67.98	
23 31 13 13-0486	LF	42" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	265.42	139.21
		<i>For 3" WG (Class B), Add</i>	34.80	
		<i>For 4" Or 6" WG (Class A), Add</i>	74.24	
		<i>For 10" WG (Class A), Add</i>	106.72	
		<i>For Work In Restricted Working Space, Add</i>	69.60	
23 31 13 13-0487	LF	42" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	271.58	142.44
		<i>For 3" WG (Class B), Add</i>	35.61	
		<i>For 4" Or 6" WG (Class A), Add</i>	75.97	
		<i>For 10" WG (Class A), Add</i>	109.20	
		<i>For Work In Restricted Working Space, Add</i>	71.22	
23 31 13 13-0488	LF	42" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	277.76	145.68
		<i>For 3" WG (Class B), Add</i>	36.42	
		<i>For 4" Or 6" WG (Class A), Add</i>	77.70	
		<i>For 10" WG (Class A), Add</i>	111.69	
		<i>For Work In Restricted Working Space, Add</i>	72.84	
23 31 13 13-0489	LF	42" x 50", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	283.93	148.91
		<i>For 3" WG (Class B), Add</i>	37.23	
		<i>For 4" Or 6" WG (Class A), Add</i>	79.42	
		<i>For 10" WG (Class A), Add</i>	114.17	
		<i>For Work In Restricted Working Space, Add</i>	74.46	
23 31 13 13-0490	LF	42" x 52", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	290.09	152.14
		<i>For 3" WG (Class B), Add</i>	38.04	
		<i>For 4" Or 6" WG (Class A), Add</i>	81.15	
		<i>For 10" WG (Class A), Add</i>	116.65	
		<i>For Work In Restricted Working Space, Add</i>	76.07	
23 31 13 13-0491	LF	42" x 54", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	296.27	155.39
		<i>For 3" WG (Class B), Add</i>	38.85	
		<i>For 4" Or 6" WG (Class A), Add</i>	82.87	
		<i>For 10" WG (Class A), Add</i>	119.13	
		<i>For Work In Restricted Working Space, Add</i>	77.69	
23 31 13 13-0492	LF	44" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	271.58	142.44
		<i>For 3" WG (Class B), Add</i>	35.61	
		<i>For 4" Or 6" WG (Class A), Add</i>	75.97	
		<i>For 10" WG (Class A), Add</i>	109.20	
		<i>For Work In Restricted Working Space, Add</i>	71.22	
23 31 13 13-0493	LF	44" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	277.76	145.68
		<i>For 3" WG (Class B), Add</i>	36.42	
		<i>For 4" Or 6" WG (Class A), Add</i>	77.70	
		<i>For 10" WG (Class A), Add</i>	111.69	
		<i>For Work In Restricted Working Space, Add</i>	72.84	
23 31 13 13-0494	LF	44" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	283.93	148.91
		<i>For 3" WG (Class B), Add</i>	37.23	
		<i>For 4" Or 6" WG (Class A), Add</i>	79.42	
		<i>For 10" WG (Class A), Add</i>	114.17	
		<i>For Work In Restricted Working Space, Add</i>	74.46	
23 31 13 13-0495	LF	44" x 50", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	290.09	152.14
		<i>For 3" WG (Class B), Add</i>	38.04	
		<i>For 4" Or 6" WG (Class A), Add</i>	81.15	
		<i>For 10" WG (Class A), Add</i>	116.65	
		<i>For Work In Restricted Working Space, Add</i>	76.07	
23 31 13 13-0496	LF	44" x 52", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	296.27	155.39
		<i>For 3" WG (Class B), Add</i>	38.85	
		<i>For 4" Or 6" WG (Class A), Add</i>	82.87	
		<i>For 10" WG (Class A), Add</i>	119.13	
		<i>For Work In Restricted Working Space, Add</i>	77.69	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0497	LF	44" x 54", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	302.44	158.63	
		For 3" WG (Class B), Add	39.66		
		For 4" Or 6" WG (Class A), Add	84.60		
		For 10" WG (Class A), Add	121.61		
		For Work In Restricted Working Space, Add	79.31		
23 31 13 13-0498	LF	46" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	283.93	148.91	
		For 3" WG (Class B), Add	37.23		
		For 4" Or 6" WG (Class A), Add	79.42		
		For 10" WG (Class A), Add	114.17		
		For Work In Restricted Working Space, Add	74.46		
23 31 13 13-0499	LF	46" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	290.09	152.14	
		For 3" WG (Class B), Add	38.04		
		For 4" Or 6" WG (Class A), Add	81.15		
		For 10" WG (Class A), Add	116.65		
		For Work In Restricted Working Space, Add	76.07		
23 31 13 13-0500	LF	46" x 50", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	296.27	155.39	
		For 3" WG (Class B), Add	38.85		
		For 4" Or 6" WG (Class A), Add	82.87		
		For 10" WG (Class A), Add	119.13		
		For Work In Restricted Working Space, Add	77.69		
23 31 13 13-0501	LF	46" x 52", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	302.44	158.63	
		For 3" WG (Class B), Add	39.66		
		For 4" Or 6" WG (Class A), Add	84.60		
		For 10" WG (Class A), Add	121.61		
		For Work In Restricted Working Space, Add	79.31		
23 31 13 13-0502	LF	46" x 54", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	308.61	161.87	
		For 3" WG (Class B), Add	40.47		
		For 4" Or 6" WG (Class A), Add	86.33		
		For 10" WG (Class A), Add	124.09		
		For Work In Restricted Working Space, Add	80.93		
23 31 13 13-0503	LF	48" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	296.27	155.39	
		For 3" WG (Class B), Add	38.85		
		For 4" Or 6" WG (Class A), Add	82.87		
		For 10" WG (Class A), Add	119.13		
		For Work In Restricted Working Space, Add	77.69		
23 31 13 13-0504	LF	48" x 50", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	302.44	158.63	
		For 3" WG (Class B), Add	39.66		
		For 4" Or 6" WG (Class A), Add	84.60		
		For 10" WG (Class A), Add	121.61		
		For Work In Restricted Working Space, Add	79.31		
23 31 13 13-0505	LF	48" x 52", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	308.61	161.87	
		For 3" WG (Class B), Add	40.47		
		For 4" Or 6" WG (Class A), Add	86.33		
		For 10" WG (Class A), Add	124.09		
		For Work In Restricted Working Space, Add	80.93		
23 31 13 13-0506	LF	48" x 54", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	314.79	165.10	
		For 3" WG (Class B), Add	41.28		
		For 4" Or 6" WG (Class A), Add	88.05		
		For 10" WG (Class A), Add	126.58		
		For Work In Restricted Working Space, Add	82.55		
23 31 13 13-0507	LF	50" x 50", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	308.61	161.87	
		For 3" WG (Class B), Add	40.47		
		For 4" Or 6" WG (Class A), Add	86.33		
		For 10" WG (Class A), Add	124.09		
		For Work In Restricted Working Space, Add	80.93		
23 31 13 13-0508	LF	50" x 52", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	314.79	165.10	
		For 3" WG (Class B), Add	41.28		
		For 4" Or 6" WG (Class A), Add	88.05		
		For 10" WG (Class A), Add	126.58		
		For Work In Restricted Working Space, Add	82.55		
23 31 13 13-0509	LF	50" x 54", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	320.97	168.33	
		For 3" WG (Class B), Add	42.09		
		For 4" Or 6" WG (Class A), Add	89.78		
		For 10" WG (Class A), Add	129.06		
		For Work In Restricted Working Space, Add	84.17		
23 31 13 13-0510	LF	52" x 52", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	320.97	168.33	
		For 3" WG (Class B), Add	42.09		
		For 4" Or 6" WG (Class A), Add	89.78		
		For 10" WG (Class A), Add	129.06		
		For Work In Restricted Working Space, Add	84.17		
23 31 13 13-0511	LF	52" x 54", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	327.13	171.58	
		For 3" WG (Class B), Add	42.89		
		For 4" Or 6" WG (Class A), Add	91.50		
		For 10" WG (Class A), Add	131.54		
		For Work In Restricted Working Space, Add	85.79		
23 31 13 13-0512	LF	54" x 54", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	333.30	174.81	
		For 3" WG (Class B), Add	43.70		
		For 4" Or 6" WG (Class A), Add	93.23		
		For 10" WG (Class A), Add	134.02		
		For Work In Restricted Working Space, Add	87.41		
23 31 13 13-0513		<b>20 Gauge Galvanized Steel Metal Ductwork</b> <small>(23 31 13 13-0014)</small>			
23 31 13 13-0514	LF	4" x 4", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	29.07	15.25	
		For 3" WG (Class B), Add	3.81		
		For 4" Or 6" WG (Class A), Add	8.13		
		For 10" WG (Class A), Add	11.69		
		For Work In Restricted Working Space, Add	7.63		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 31 13 13-0515	LF	4" x 6", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	36.35	19.06
		For 3" WG (Class B), Add	4.77	
		For 4" Or 6" WG (Class A), Add	10.17	
		For 10" WG (Class A), Add	14.62	
		For Work In Restricted Working Space, Add	9.53	
23 31 13 13-0516	LF	4" x 8", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	43.63	22.88
		For 3" WG (Class B), Add	5.72	
		For 4" Or 6" WG (Class A), Add	12.20	
		For 10" WG (Class A), Add	17.54	
		For Work In Restricted Working Space, Add	11.44	
23 31 13 13-0517	LF	4" x 10", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	50.88	26.68
		For 3" WG (Class B), Add	6.67	
		For 4" Or 6" WG (Class A), Add	14.23	
		For 10" WG (Class A), Add	20.46	
		For Work In Restricted Working Space, Add	13.34	
23 31 13 13-0518	LF	4" x 12", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	58.16	30.51
		For 3" WG (Class B), Add	7.63	
		For 4" Or 6" WG (Class A), Add	16.27	
		For 10" WG (Class A), Add	23.39	
		For Work In Restricted Working Space, Add	15.25	
23 31 13 13-0519	LF	4" x 14", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	65.43	34.31
		For 3" WG (Class B), Add	8.58	
		For 4" Or 6" WG (Class A), Add	18.30	
		For 10" WG (Class A), Add	26.31	
		For Work In Restricted Working Space, Add	17.16	
23 31 13 13-0520	LF	4" x 16", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	72.71	38.13
		For 3" WG (Class B), Add	9.53	
		For 4" Or 6" WG (Class A), Add	20.34	
		For 10" WG (Class A), Add	29.24	
		For Work In Restricted Working Space, Add	19.07	
23 31 13 13-0521	LF	6" x 8", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	43.63	22.88
		For 3" WG (Class B), Add	5.72	
		For 4" Or 6" WG (Class A), Add	12.20	
		For 10" WG (Class A), Add	17.54	
		For Work In Restricted Working Space, Add	11.44	
23 31 13 13-0522	LF	6" x 8", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	50.88	26.68
		For 3" WG (Class B), Add	6.67	
		For 4" Or 6" WG (Class A), Add	14.23	
		For 10" WG (Class A), Add	20.46	
		For Work In Restricted Working Space, Add	13.34	
23 31 13 13-0523	LF	6" x 10", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	58.16	30.51
		For 3" WG (Class B), Add	7.63	
		For 4" Or 6" WG (Class A), Add	16.27	
		For 10" WG (Class A), Add	23.39	
		For Work In Restricted Working Space, Add	15.25	
23 31 13 13-0524	LF	6" x 12", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	65.43	34.31
		For 3" WG (Class B), Add	8.58	
		For 4" Or 6" WG (Class A), Add	18.30	
		For 10" WG (Class A), Add	26.31	
		For Work In Restricted Working Space, Add	17.16	
23 31 13 13-0525	LF	6" x 14", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	72.71	38.13
		For 3" WG (Class B), Add	9.53	
		For 4" Or 6" WG (Class A), Add	20.34	
		For 10" WG (Class A), Add	29.24	
		For Work In Restricted Working Space, Add	19.07	
23 31 13 13-0526	LF	6" x 16", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	79.97	41.94
		For 3" WG (Class B), Add	10.49	
		For 4" Or 6" WG (Class A), Add	22.37	
		For 10" WG (Class A), Add	32.15	
		For Work In Restricted Working Space, Add	20.97	
23 31 13 13-0527	LF	8" x 8", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	58.16	30.51
		For 3" WG (Class B), Add	7.63	
		For 4" Or 6" WG (Class A), Add	16.27	
		For 10" WG (Class A), Add	23.39	
		For Work In Restricted Working Space, Add	15.25	
23 31 13 13-0528	LF	8" x 10", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	65.43	34.31
		For 3" WG (Class B), Add	8.58	
		For 4" Or 6" WG (Class A), Add	18.30	
		For 10" WG (Class A), Add	26.31	
		For Work In Restricted Working Space, Add	17.16	
23 31 13 13-0529	LF	8" x 12", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	72.71	38.13
		For 3" WG (Class B), Add	9.53	
		For 4" Or 6" WG (Class A), Add	20.34	
		For 10" WG (Class A), Add	29.24	
		For Work In Restricted Working Space, Add	19.07	
23 31 13 13-0530	LF	8" x 14", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	79.97	41.94
		For 3" WG (Class B), Add	10.49	
		For 4" Or 6" WG (Class A), Add	22.37	
		For 10" WG (Class A), Add	32.15	
		For Work In Restricted Working Space, Add	20.97	
23 31 13 13-0531	LF	8" x 16", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	87.23	45.76
		For 3" WG (Class B), Add	11.44	
		For 4" Or 6" WG (Class A), Add	24.40	
		For 10" WG (Class A), Add	35.08	
		For Work In Restricted Working Space, Add	22.88	
23 31 13 13-0532	LF	8" x 18", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	94.50	49.56
		For 3" WG (Class B), Add	12.39	
		For 4" Or 6" WG (Class A), Add	26.44	
		For 10" WG (Class A), Add	38.00	
		For Work In Restricted Working Space, Add	24.78	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0533	LF	8" x 20", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	101.79	53.38
			For 3" WG (Class B), Add	13.35	
			For 4" Or 6" WG (Class A), Add	28.47	
			For 10" WG (Class A), Add	40.93	
			For Work In Restricted Working Space, Add	26.69	
23 31 13	13-0534	LF	8" x 22", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	109.03	57.19
			For 3" WG (Class B), Add	14.30	
			For 4" Or 6" WG (Class A), Add	30.50	
			For 10" WG (Class A), Add	43.84	
			For Work In Restricted Working Space, Add	28.59	
23 31 13	13-0535	LF	8" x 24", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	116.31	61.00
			For 3" WG (Class B), Add	15.25	
			For 4" Or 6" WG (Class A), Add	32.53	
			For 10" WG (Class A), Add	46.77	
			For Work In Restricted Working Space, Add	30.50	
23 31 13	13-0536	LF	10" x 10", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	72.71	38.13
			For 3" WG (Class B), Add	9.53	
			For 4" Or 6" WG (Class A), Add	20.34	
			For 10" WG (Class A), Add	29.24	
			For Work In Restricted Working Space, Add	19.07	
23 31 13	13-0537	LF	10" x 12", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	79.97	41.94
			For 3" WG (Class B), Add	10.49	
			For 4" Or 6" WG (Class A), Add	22.37	
			For 10" WG (Class A), Add	32.15	
			For Work In Restricted Working Space, Add	20.97	
23 31 13	13-0538	LF	10" x 14", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	87.23	45.76
			For 3" WG (Class B), Add	11.44	
			For 4" Or 6" WG (Class A), Add	24.40	
			For 10" WG (Class A), Add	35.08	
			For Work In Restricted Working Space, Add	22.88	
23 31 13	13-0539	LF	10" x 16", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	94.50	49.56
			For 3" WG (Class B), Add	12.39	
			For 4" Or 6" WG (Class A), Add	26.44	
			For 10" WG (Class A), Add	38.00	
			For Work In Restricted Working Space, Add	24.78	
23 31 13	13-0540	LF	10" x 18", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	101.79	53.38
			For 3" WG (Class B), Add	13.35	
			For 4" Or 6" WG (Class A), Add	28.47	
			For 10" WG (Class A), Add	40.93	
			For Work In Restricted Working Space, Add	26.69	
23 31 13	13-0541	LF	10" x 20", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	109.03	57.19
			For 3" WG (Class B), Add	14.30	
			For 4" Or 6" WG (Class A), Add	30.50	
			For 10" WG (Class A), Add	43.84	
			For Work In Restricted Working Space, Add	28.59	
23 31 13	13-0542	LF	10" x 22", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	116.31	61.00
			For 3" WG (Class B), Add	15.25	
			For 4" Or 6" WG (Class A), Add	32.53	
			For 10" WG (Class A), Add	46.77	
			For Work In Restricted Working Space, Add	30.50	
23 31 13	13-0543	LF	10" x 24", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	123.60	64.82
			For 3" WG (Class B), Add	16.21	
			For 4" Or 6" WG (Class A), Add	34.57	
			For 10" WG (Class A), Add	49.70	
			For Work In Restricted Working Space, Add	32.41	
23 31 13	13-0544	LF	10" x 26", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	130.86	68.63
			For 3" WG (Class B), Add	17.16	
			For 4" Or 6" WG (Class A), Add	36.60	
			For 10" WG (Class A), Add	52.62	
			For Work In Restricted Working Space, Add	34.32	
23 31 13	13-0545	LF	10" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	138.14	72.44
			For 3" WG (Class B), Add	18.11	
			For 4" Or 6" WG (Class A), Add	38.64	
			For 10" WG (Class A), Add	55.55	
			For Work In Restricted Working Space, Add	36.23	
23 31 13	13-0546	LF	10" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	145.38	76.26
			For 3" WG (Class B), Add	19.06	
			For 4" Or 6" WG (Class A), Add	40.67	
			For 10" WG (Class A), Add	58.46	
			For Work In Restricted Working Space, Add	38.13	
23 31 13	13-0547	LF	10" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	152.67	80.07
			For 3" WG (Class B), Add	20.02	
			For 4" Or 6" WG (Class A), Add	42.70	
			For 10" WG (Class A), Add	61.39	
			For Work In Restricted Working Space, Add	40.04	
23 31 13	13-0548	LF	12" x 12", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	87.23	45.76
			For 3" WG (Class B), Add	11.44	
			For 4" Or 6" WG (Class A), Add	24.40	
			For 10" WG (Class A), Add	35.08	
			For Work In Restricted Working Space, Add	22.88	
23 31 13	13-0549	LF	12" x 14", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	94.50	49.56
			For 3" WG (Class B), Add	12.39	
			For 4" Or 6" WG (Class A), Add	26.44	
			For 10" WG (Class A), Add	38.00	
			For Work In Restricted Working Space, Add	24.78	
23 31 13	13-0550	LF	12" x 16", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	101.79	53.38
			For 3" WG (Class B), Add	13.35	
			For 4" Or 6" WG (Class A), Add	28.47	
			For 10" WG (Class A), Add	40.93	
			For Work In Restricted Working Space, Add	26.69	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 31 HVAC Ducts and Casings**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13 13-0551	LF	12" x 18", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	109.03	57.19
			<i>For 3" WG (Class B), Add</i>	14.30	
			<i>For 4" Or 6" WG (Class A), Add</i>	30.50	
			<i>For 10" WG (Class A), Add</i>	43.84	
			<i>For Work In Restricted Working Space, Add</i>	28.59	
23 31	13 13-0552	LF	12" x 20", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	116.31	61.00
			<i>For 3" WG (Class B), Add</i>	15.25	
			<i>For 4" Or 6" WG (Class A), Add</i>	32.53	
			<i>For 10" WG (Class A), Add</i>	46.77	
			<i>For Work In Restricted Working Space, Add</i>	30.50	
23 31	13 13-0553	LF	12" x 22", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	123.60	64.82
			<i>For 3" WG (Class B), Add</i>	16.21	
			<i>For 4" Or 6" WG (Class A), Add</i>	34.57	
			<i>For 10" WG (Class A), Add</i>	49.70	
			<i>For Work In Restricted Working Space, Add</i>	32.41	
23 31	13 13-0554	LF	12" x 24", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	130.86	68.63
			<i>For 3" WG (Class B), Add</i>	17.16	
			<i>For 4" Or 6" WG (Class A), Add</i>	36.60	
			<i>For 10" WG (Class A), Add</i>	52.62	
			<i>For Work In Restricted Working Space, Add</i>	34.32	
23 31	13 13-0555	LF	12" x 26", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	138.14	72.44
			<i>For 3" WG (Class B), Add</i>	18.11	
			<i>For 4" Or 6" WG (Class A), Add</i>	38.64	
			<i>For 10" WG (Class A), Add</i>	55.55	
			<i>For Work In Restricted Working Space, Add</i>	36.23	
23 31	13 13-0556	LF	12" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	145.38	76.26
			<i>For 3" WG (Class B), Add</i>	19.06	
			<i>For 4" Or 6" WG (Class A), Add</i>	40.67	
			<i>For 10" WG (Class A), Add</i>	58.46	
			<i>For Work In Restricted Working Space, Add</i>	38.13	
23 31	13 13-0557	LF	12" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	152.67	80.07
			<i>For 3" WG (Class B), Add</i>	20.02	
			<i>For 4" Or 6" WG (Class A), Add</i>	42.70	
			<i>For 10" WG (Class A), Add</i>	61.39	
			<i>For Work In Restricted Working Space, Add</i>	40.04	
23 31	13 13-0558	LF	12" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	159.94	83.88
			<i>For 3" WG (Class B), Add</i>	20.97	
			<i>For 4" Or 6" WG (Class A), Add</i>	44.74	
			<i>For 10" WG (Class A), Add</i>	64.31	
			<i>For Work In Restricted Working Space, Add</i>	41.94	
23 31	13 13-0559	LF	12" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	167.20	87.70
			<i>For 3" WG (Class B), Add</i>	21.92	
			<i>For 4" Or 6" WG (Class A), Add</i>	46.77	
			<i>For 10" WG (Class A), Add</i>	67.23	
			<i>For Work In Restricted Working Space, Add</i>	43.85	
23 31	13 13-0560	LF	12" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	174.48	91.51
			<i>For 3" WG (Class B), Add</i>	22.88	
			<i>For 4" Or 6" WG (Class A), Add</i>	48.81	
			<i>For 10" WG (Class A), Add</i>	70.16	
			<i>For Work In Restricted Working Space, Add</i>	45.76	
23 31	13 13-0561	LF	14" x 14", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	101.79	53.38
			<i>For 3" WG (Class B), Add</i>	13.35	
			<i>For 4" Or 6" WG (Class A), Add</i>	28.47	
			<i>For 10" WG (Class A), Add</i>	40.93	
			<i>For Work In Restricted Working Space, Add</i>	26.69	
23 31	13 13-0562	LF	14" x 16", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	109.03	57.19
			<i>For 3" WG (Class B), Add</i>	14.30	
			<i>For 4" Or 6" WG (Class A), Add</i>	30.50	
			<i>For 10" WG (Class A), Add</i>	43.84	
			<i>For Work In Restricted Working Space, Add</i>	28.59	
23 31	13 13-0563	LF	14" x 18", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	116.31	61.00
			<i>For 3" WG (Class B), Add</i>	15.25	
			<i>For 4" Or 6" WG (Class A), Add</i>	32.53	
			<i>For 10" WG (Class A), Add</i>	46.77	
			<i>For Work In Restricted Working Space, Add</i>	30.50	
23 31	13 13-0564	LF	14" x 20", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	123.60	64.82
			<i>For 3" WG (Class B), Add</i>	16.21	
			<i>For 4" Or 6" WG (Class A), Add</i>	34.57	
			<i>For 10" WG (Class A), Add</i>	49.70	
			<i>For Work In Restricted Working Space, Add</i>	32.41	
23 31	13 13-0565	LF	14" x 22", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	130.86	68.63
			<i>For 3" WG (Class B), Add</i>	17.16	
			<i>For 4" Or 6" WG (Class A), Add</i>	36.60	
			<i>For 10" WG (Class A), Add</i>	52.62	
			<i>For Work In Restricted Working Space, Add</i>	34.32	
23 31	13 13-0566	LF	14" x 24", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	138.14	72.44
			<i>For 3" WG (Class B), Add</i>	18.11	
			<i>For 4" Or 6" WG (Class A), Add</i>	38.64	
			<i>For 10" WG (Class A), Add</i>	55.55	
			<i>For Work In Restricted Working Space, Add</i>	36.23	
23 31	13 13-0567	LF	14" x 26", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	145.38	76.26
			<i>For 3" WG (Class B), Add</i>	19.06	
			<i>For 4" Or 6" WG (Class A), Add</i>	40.67	
			<i>For 10" WG (Class A), Add</i>	58.46	
			<i>For Work In Restricted Working Space, Add</i>	38.13	
23 31	13 13-0568	LF	14" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	152.67	80.07
			<i>For 3" WG (Class B), Add</i>	20.02	
			<i>For 4" Or 6" WG (Class A), Add</i>	42.70	
			<i>For 10" WG (Class A), Add</i>	61.39	
			<i>For Work In Restricted Working Space, Add</i>	40.04	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0569	LF	14" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	159.94	83.88
			For 3" WG (Class B), Add	20.97	
			For 4" Or 6" WG (Class A), Add	44.74	
			For 10" WG (Class A), Add	64.31	
			For Work In Restricted Working Space, Add	41.94	
23 31 13	13-0570	LF	14" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	167.20	87.70
			For 3" WG (Class B), Add	21.92	
			For 4" Or 6" WG (Class A), Add	46.77	
			For 10" WG (Class A), Add	67.23	
			For Work In Restricted Working Space, Add	43.85	
23 31 13	13-0571	LF	14" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	174.48	91.51
			For 3" WG (Class B), Add	22.88	
			For 4" Or 6" WG (Class A), Add	48.81	
			For 10" WG (Class A), Add	70.16	
			For Work In Restricted Working Space, Add	45.76	
23 31 13	13-0572	LF	14" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	181.74	95.31
			For 3" WG (Class B), Add	23.83	
			For 4" Or 6" WG (Class A), Add	50.84	
			For 10" WG (Class A), Add	73.08	
			For Work In Restricted Working Space, Add	47.66	
23 31 13	13-0573	LF	16" x 16", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	116.31	61.00
			For 3" WG (Class B), Add	15.25	
			For 4" Or 6" WG (Class A), Add	32.53	
			For 10" WG (Class A), Add	46.77	
			For Work In Restricted Working Space, Add	30.50	
23 31 13	13-0574	LF	16" x 18", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	123.60	64.82
			For 3" WG (Class B), Add	16.21	
			For 4" Or 6" WG (Class A), Add	34.57	
			For 10" WG (Class A), Add	49.70	
			For Work In Restricted Working Space, Add	32.41	
23 31 13	13-0575	LF	16" x 20", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	130.86	68.63
			For 3" WG (Class B), Add	17.16	
			For 4" Or 6" WG (Class A), Add	36.60	
			For 10" WG (Class A), Add	52.62	
			For Work In Restricted Working Space, Add	34.32	
23 31 13	13-0576	LF	16" x 22", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	138.14	72.44
			For 3" WG (Class B), Add	18.11	
			For 4" Or 6" WG (Class A), Add	38.64	
			For 10" WG (Class A), Add	55.55	
			For Work In Restricted Working Space, Add	36.23	
23 31 13	13-0577	LF	16" x 24", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	145.38	76.26
			For 3" WG (Class B), Add	19.06	
			For 4" Or 6" WG (Class A), Add	40.67	
			For 10" WG (Class A), Add	58.46	
			For Work In Restricted Working Space, Add	38.13	
23 31 13	13-0578	LF	16" x 26", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	152.67	80.07
			For 3" WG (Class B), Add	20.02	
			For 4" Or 6" WG (Class A), Add	42.70	
			For 10" WG (Class A), Add	61.39	
			For Work In Restricted Working Space, Add	40.04	
23 31 13	13-0579	LF	16" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	159.94	83.88
			For 3" WG (Class B), Add	20.97	
			For 4" Or 6" WG (Class A), Add	44.74	
			For 10" WG (Class A), Add	64.31	
			For Work In Restricted Working Space, Add	41.94	
23 31 13	13-0580	LF	16" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	167.20	87.70
			For 3" WG (Class B), Add	21.92	
			For 4" Or 6" WG (Class A), Add	46.77	
			For 10" WG (Class A), Add	67.23	
			For Work In Restricted Working Space, Add	43.85	
23 31 13	13-0581	LF	16" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	174.48	91.51
			For 3" WG (Class B), Add	22.88	
			For 4" Or 6" WG (Class A), Add	48.81	
			For 10" WG (Class A), Add	70.16	
			For Work In Restricted Working Space, Add	45.76	
23 31 13	13-0582	LF	16" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	181.74	95.31
			For 3" WG (Class B), Add	23.83	
			For 4" Or 6" WG (Class A), Add	50.84	
			For 10" WG (Class A), Add	73.08	
			For Work In Restricted Working Space, Add	47.66	
23 31 13	13-0583	LF	16" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	189.02	99.14
			For 3" WG (Class B), Add	24.78	
			For 4" Or 6" WG (Class A), Add	52.87	
			For 10" WG (Class A), Add	76.01	
			For Work In Restricted Working Space, Add	49.57	
23 31 13	13-0584	LF	16" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	196.29	102.94
			For 3" WG (Class B), Add	25.74	
			For 4" Or 6" WG (Class A), Add	54.91	
			For 10" WG (Class A), Add	78.93	
			For Work In Restricted Working Space, Add	51.47	
23 31 13	13-0585	LF	16" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	203.55	106.76
			For 3" WG (Class B), Add	26.69	
			For 4" Or 6" WG (Class A), Add	56.94	
			For 10" WG (Class A), Add	81.85	
			For Work In Restricted Working Space, Add	53.38	
23 31 13	13-0586	LF	16" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	210.82	110.57
			For 3" WG (Class B), Add	27.64	
			For 4" Or 6" WG (Class A), Add	58.97	
			For 10" WG (Class A), Add	84.77	
			For Work In Restricted Working Space, Add	55.28	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 31 HVAC Ducts and Casings**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13 13-0587	LF	16" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	218.11	114.39
			For 3" WG (Class B), Add	28.60	
			For 4" Or 6" WG (Class A), Add	61.01	
			For 10" WG (Class A), Add	87.70	
			For Work In Restricted Working Space, Add	57.20	
23 31	13 13-0588	LF	18" x 18", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	130.86	68.63
			For 3" WG (Class B), Add	17.16	
			For 4" Or 6" WG (Class A), Add	36.60	
			For 10" WG (Class A), Add	52.62	
			For Work In Restricted Working Space, Add	34.32	
23 31	13 13-0589	LF	18" x 20", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	138.14	72.44
			For 3" WG (Class B), Add	18.11	
			For 4" Or 6" WG (Class A), Add	38.64	
			For 10" WG (Class A), Add	55.55	
			For Work In Restricted Working Space, Add	36.23	
23 31	13 13-0590	LF	18" x 22", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	145.38	76.26
			For 3" WG (Class B), Add	19.06	
			For 4" Or 6" WG (Class A), Add	40.67	
			For 10" WG (Class A), Add	58.46	
			For Work In Restricted Working Space, Add	38.13	
23 31	13 13-0591	LF	18" x 24", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	152.67	80.07
			For 3" WG (Class B), Add	20.02	
			For 4" Or 6" WG (Class A), Add	42.70	
			For 10" WG (Class A), Add	61.39	
			For Work In Restricted Working Space, Add	40.04	
23 31	13 13-0592	LF	18" x 26", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	159.94	83.88
			For 3" WG (Class B), Add	20.97	
			For 4" Or 6" WG (Class A), Add	44.74	
			For 10" WG (Class A), Add	64.31	
			For Work In Restricted Working Space, Add	41.94	
23 31	13 13-0593	LF	18" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	167.20	87.70
			For 3" WG (Class B), Add	21.92	
			For 4" Or 6" WG (Class A), Add	46.77	
			For 10" WG (Class A), Add	67.23	
			For Work In Restricted Working Space, Add	43.85	
23 31	13 13-0594	LF	18" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	174.48	91.51
			For 3" WG (Class B), Add	22.88	
			For 4" Or 6" WG (Class A), Add	48.81	
			For 10" WG (Class A), Add	70.16	
			For Work In Restricted Working Space, Add	45.76	
23 31	13 13-0595	LF	18" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	181.74	95.31
			For 3" WG (Class B), Add	23.83	
			For 4" Or 6" WG (Class A), Add	50.84	
			For 10" WG (Class A), Add	73.08	
			For Work In Restricted Working Space, Add	47.66	
23 31	13 13-0596	LF	18" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	189.02	99.14
			For 3" WG (Class B), Add	24.78	
			For 4" Or 6" WG (Class A), Add	52.87	
			For 10" WG (Class A), Add	76.01	
			For Work In Restricted Working Space, Add	49.57	
23 31	13 13-0597	LF	18" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	196.29	102.94
			For 3" WG (Class B), Add	25.74	
			For 4" Or 6" WG (Class A), Add	54.91	
			For 10" WG (Class A), Add	78.93	
			For Work In Restricted Working Space, Add	51.47	
23 31	13 13-0598	LF	18" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	203.55	106.76
			For 3" WG (Class B), Add	26.69	
			For 4" Or 6" WG (Class A), Add	56.94	
			For 10" WG (Class A), Add	81.85	
			For Work In Restricted Working Space, Add	53.38	
23 31	13 13-0599	LF	18" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	210.82	110.57
			For 3" WG (Class B), Add	27.64	
			For 4" Or 6" WG (Class A), Add	58.97	
			For 10" WG (Class A), Add	84.77	
			For Work In Restricted Working Space, Add	55.28	
23 31	13 13-0600	LF	18" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	218.11	114.39
			For 3" WG (Class B), Add	28.60	
			For 4" Or 6" WG (Class A), Add	61.01	
			For 10" WG (Class A), Add	87.70	
			For Work In Restricted Working Space, Add	57.20	
23 31	13 13-0601	LF	18" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	225.36	118.19
			For 3" WG (Class B), Add	29.55	
			For 4" Or 6" WG (Class A), Add	63.04	
			For 10" WG (Class A), Add	90.62	
			For Work In Restricted Working Space, Add	59.10	
23 31	13 13-0602	LF	18" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	232.63	122.02
			For 3" WG (Class B), Add	30.50	
			For 4" Or 6" WG (Class A), Add	65.07	
			For 10" WG (Class A), Add	93.54	
			For Work In Restricted Working Space, Add	61.01	
23 31	13 13-0603	LF	20" x 20", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	145.38	76.26
			For 3" WG (Class B), Add	19.06	
			For 4" Or 6" WG (Class A), Add	40.67	
			For 10" WG (Class A), Add	58.46	
			For Work In Restricted Working Space, Add	38.13	
23 31	13 13-0604	LF	20" x 22", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	152.67	80.07
			For 3" WG (Class B), Add	20.02	
			For 4" Or 6" WG (Class A), Add	42.70	
			For 10" WG (Class A), Add	61.39	
			For Work In Restricted Working Space, Add	40.04	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0605	LF	20" x 24", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	159.94	83.88	
		For 3" WG (Class B), Add	20.97		
		For 4" Or 6" WG (Class A), Add	44.74		
		For 10" WG (Class A), Add	64.31		
		For Work In Restricted Working Space, Add	41.94		
23 31 13 13-0606	LF	20" x 26", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	167.20	87.70	
		For 3" WG (Class B), Add	21.92		
		For 4" Or 6" WG (Class A), Add	46.77		
		For 10" WG (Class A), Add	67.23		
		For Work In Restricted Working Space, Add	43.85		
23 31 13 13-0607	LF	20" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	174.48	91.51	
		For 3" WG (Class B), Add	22.88		
		For 4" Or 6" WG (Class A), Add	48.81		
		For 10" WG (Class A), Add	70.16		
		For Work In Restricted Working Space, Add	45.76		
23 31 13 13-0608	LF	20" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	181.74	95.31	
		For 3" WG (Class B), Add	23.83		
		For 4" Or 6" WG (Class A), Add	50.84		
		For 10" WG (Class A), Add	73.08		
		For Work In Restricted Working Space, Add	47.66		
23 31 13 13-0609	LF	20" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	189.02	99.14	
		For 3" WG (Class B), Add	24.78		
		For 4" Or 6" WG (Class A), Add	52.87		
		For 10" WG (Class A), Add	76.01		
		For Work In Restricted Working Space, Add	49.57		
23 31 13 13-0610	LF	20" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	196.29	102.94	
		For 3" WG (Class B), Add	25.74		
		For 4" Or 6" WG (Class A), Add	54.91		
		For 10" WG (Class A), Add	78.93		
		For Work In Restricted Working Space, Add	51.47		
23 31 13 13-0611	LF	20" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	203.55	106.76	
		For 3" WG (Class B), Add	26.69		
		For 4" Or 6" WG (Class A), Add	56.94		
		For 10" WG (Class A), Add	81.85		
		For Work In Restricted Working Space, Add	53.38		
23 31 13 13-0612	LF	20" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	210.82	110.57	
		For 3" WG (Class B), Add	27.64		
		For 4" Or 6" WG (Class A), Add	58.97		
		For 10" WG (Class A), Add	84.77		
		For Work In Restricted Working Space, Add	55.28		
23 31 13 13-0613	LF	20" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	218.11	114.39	
		For 3" WG (Class B), Add	28.60		
		For 4" Or 6" WG (Class A), Add	61.01		
		For 10" WG (Class A), Add	87.70		
		For Work In Restricted Working Space, Add	57.20		
23 31 13 13-0614	LF	20" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	225.36	118.19	
		For 3" WG (Class B), Add	29.55		
		For 4" Or 6" WG (Class A), Add	63.04		
		For 10" WG (Class A), Add	90.62		
		For Work In Restricted Working Space, Add	59.10		
23 31 13 13-0615	LF	20" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	232.63	122.02	
		For 3" WG (Class B), Add	30.50		
		For 4" Or 6" WG (Class A), Add	65.07		
		For 10" WG (Class A), Add	93.54		
		For Work In Restricted Working Space, Add	61.01		
23 31 13 13-0616	LF	20" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	239.90	125.82	
		For 3" WG (Class B), Add	31.46		
		For 4" Or 6" WG (Class A), Add	67.11		
		For 10" WG (Class A), Add	96.47		
		For Work In Restricted Working Space, Add	62.91		
23 31 13 13-0617	LF	20" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	247.17	129.65	
		For 3" WG (Class B), Add	32.41		
		For 4" Or 6" WG (Class A), Add	69.14		
		For 10" WG (Class A), Add	99.39		
		For Work In Restricted Working Space, Add	64.82		
23 31 13 13-0618	LF	22" x 22", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	159.94	83.88	
		For 3" WG (Class B), Add	20.97		
		For 4" Or 6" WG (Class A), Add	44.74		
		For 10" WG (Class A), Add	64.31		
		For Work In Restricted Working Space, Add	41.94		
23 31 13 13-0619	LF	22" x 24", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	167.20	87.70	
		For 3" WG (Class B), Add	21.92		
		For 4" Or 6" WG (Class A), Add	46.77		
		For 10" WG (Class A), Add	67.23		
		For Work In Restricted Working Space, Add	43.85		
23 31 13 13-0620	LF	22" x 26", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	174.48	91.51	
		For 3" WG (Class B), Add	22.88		
		For 4" Or 6" WG (Class A), Add	48.81		
		For 10" WG (Class A), Add	70.16		
		For Work In Restricted Working Space, Add	45.76		
23 31 13 13-0621	LF	22" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	181.74	95.31	
		For 3" WG (Class B), Add	23.83		
		For 4" Or 6" WG (Class A), Add	50.84		
		For 10" WG (Class A), Add	73.08		
		For Work In Restricted Working Space, Add	47.66		
23 31 13 13-0622	LF	22" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	189.02	99.14	
		For 3" WG (Class B), Add	24.78		
		For 4" Or 6" WG (Class A), Add	52.87		
		For 10" WG (Class A), Add	76.01		
		For Work In Restricted Working Space, Add	49.57		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0623	LF	22" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	.....	196.29	102.94
		<i>For 3" WG (Class B), Add</i>		25.74	
		<i>For 4" Or 6" WG (Class A), Add</i>		54.91	
		<i>For 10" WG (Class A), Add</i>		78.93	
		<i>For Work In Restricted Working Space, Add</i>		51.47	
23 31 13 13-0624	LF	22" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	.....	203.55	106.76
		<i>For 3" WG (Class B), Add</i>		26.69	
		<i>For 4" Or 6" WG (Class A), Add</i>		56.94	
		<i>For 10" WG (Class A), Add</i>		81.85	
		<i>For Work In Restricted Working Space, Add</i>		53.38	
23 31 13 13-0625	LF	22" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	.....	210.82	110.57
		<i>For 3" WG (Class B), Add</i>		27.64	
		<i>For 4" Or 6" WG (Class A), Add</i>		58.97	
		<i>For 10" WG (Class A), Add</i>		84.77	
		<i>For Work In Restricted Working Space, Add</i>		55.28	
23 31 13 13-0626	LF	22" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	.....	218.11	114.39
		<i>For 3" WG (Class B), Add</i>		28.60	
		<i>For 4" Or 6" WG (Class A), Add</i>		61.01	
		<i>For 10" WG (Class A), Add</i>		87.70	
		<i>For Work In Restricted Working Space, Add</i>		57.20	
23 31 13 13-0627	LF	22" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	.....	225.36	118.19
		<i>For 3" WG (Class B), Add</i>		29.55	
		<i>For 4" Or 6" WG (Class A), Add</i>		63.04	
		<i>For 10" WG (Class A), Add</i>		90.62	
		<i>For Work In Restricted Working Space, Add</i>		59.10	
23 31 13 13-0628	LF	22" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	.....	232.63	122.02
		<i>For 3" WG (Class B), Add</i>		30.50	
		<i>For 4" Or 6" WG (Class A), Add</i>		65.07	
		<i>For 10" WG (Class A), Add</i>		93.54	
		<i>For Work In Restricted Working Space, Add</i>		61.01	
23 31 13 13-0629	LF	22" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	.....	239.90	125.82
		<i>For 3" WG (Class B), Add</i>		31.46	
		<i>For 4" Or 6" WG (Class A), Add</i>		67.11	
		<i>For 10" WG (Class A), Add</i>		96.47	
		<i>For Work In Restricted Working Space, Add</i>		62.91	
23 31 13 13-0630	LF	22" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	.....	247.17	129.65
		<i>For 3" WG (Class B), Add</i>		32.41	
		<i>For 4" Or 6" WG (Class A), Add</i>		69.14	
		<i>For 10" WG (Class A), Add</i>		99.39	
		<i>For Work In Restricted Working Space, Add</i>		64.82	
23 31 13 13-0631	LF	22" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	.....	254.45	133.45
		<i>For 3" WG (Class B), Add</i>		33.36	
		<i>For 4" Or 6" WG (Class A), Add</i>		71.17	
		<i>For 10" WG (Class A), Add</i>		102.31	
		<i>For Work In Restricted Working Space, Add</i>		66.73	
23 31 13 13-0632	LF	24" x 24", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	.....	174.48	91.51
		<i>For 3" WG (Class B), Add</i>		22.88	
		<i>For 4" Or 6" WG (Class A), Add</i>		48.81	
		<i>For 10" WG (Class A), Add</i>		70.16	
		<i>For Work In Restricted Working Space, Add</i>		45.76	
23 31 13 13-0633	LF	24" x 26", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	.....	181.74	95.31
		<i>For 3" WG (Class B), Add</i>		23.83	
		<i>For 4" Or 6" WG (Class A), Add</i>		50.84	
		<i>For 10" WG (Class A), Add</i>		73.08	
		<i>For Work In Restricted Working Space, Add</i>		47.66	
23 31 13 13-0634	LF	24" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	.....	189.02	99.14
		<i>For 3" WG (Class B), Add</i>		24.78	
		<i>For 4" Or 6" WG (Class A), Add</i>		52.87	
		<i>For 10" WG (Class A), Add</i>		76.01	
		<i>For Work In Restricted Working Space, Add</i>		49.57	
23 31 13 13-0635	LF	24" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	.....	196.29	102.94
		<i>For 3" WG (Class B), Add</i>		25.74	
		<i>For 4" Or 6" WG (Class A), Add</i>		54.91	
		<i>For 10" WG (Class A), Add</i>		78.93	
		<i>For Work In Restricted Working Space, Add</i>		51.47	
23 31 13 13-0636	LF	24" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	.....	203.55	106.76
		<i>For 3" WG (Class B), Add</i>		26.69	
		<i>For 4" Or 6" WG (Class A), Add</i>		56.94	
		<i>For 10" WG (Class A), Add</i>		81.85	
		<i>For Work In Restricted Working Space, Add</i>		53.38	
23 31 13 13-0637	LF	24" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	.....	210.82	110.57
		<i>For 3" WG (Class B), Add</i>		27.64	
		<i>For 4" Or 6" WG (Class A), Add</i>		58.97	
		<i>For 10" WG (Class A), Add</i>		84.77	
		<i>For Work In Restricted Working Space, Add</i>		55.28	
23 31 13 13-0638	LF	24" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	.....	218.11	114.39
		<i>For 3" WG (Class B), Add</i>		28.60	
		<i>For 4" Or 6" WG (Class A), Add</i>		61.01	
		<i>For 10" WG (Class A), Add</i>		87.70	
		<i>For Work In Restricted Working Space, Add</i>		57.20	
23 31 13 13-0639	LF	24" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	.....	225.36	118.19
		<i>For 3" WG (Class B), Add</i>		29.55	
		<i>For 4" Or 6" WG (Class A), Add</i>		63.04	
		<i>For 10" WG (Class A), Add</i>		90.62	
		<i>For Work In Restricted Working Space, Add</i>		59.10	
23 31 13 13-0640	LF	24" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	.....	232.63	122.02
		<i>For 3" WG (Class B), Add</i>		30.50	
		<i>For 4" Or 6" WG (Class A), Add</i>		65.07	
		<i>For 10" WG (Class A), Add</i>		93.54	
		<i>For Work In Restricted Working Space, Add</i>		61.01	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0641	LF	24" x 42"	Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	239.90	125.82
			For 3" WG (Class B), Add	31.46	
			For 4" Or 6" WG (Class A), Add	67.11	
			For 10" WG (Class A), Add	96.47	
			For Work In Restricted Working Space, Add	62.91	
23 31 13 13-0642	LF	24" x 44"	Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	247.17	129.65
			For 3" WG (Class B), Add	32.41	
			For 4" Or 6" WG (Class A), Add	69.14	
			For 10" WG (Class A), Add	99.39	
			For Work In Restricted Working Space, Add	64.82	
23 31 13 13-0643	LF	24" x 46"	Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	254.45	133.45
			For 3" WG (Class B), Add	33.36	
			For 4" Or 6" WG (Class A), Add	71.17	
			For 10" WG (Class A), Add	102.31	
			For Work In Restricted Working Space, Add	66.73	
23 31 13 13-0644	LF	24" x 48"	Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	261.71	137.26
			For 3" WG (Class B), Add	34.32	
			For 4" Or 6" WG (Class A), Add	73.21	
			For 10" WG (Class A), Add	105.23	
			For Work In Restricted Working Space, Add	68.63	
23 31 13 13-0645	LF	26" x 26"	Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	189.02	99.14
			For 3" WG (Class B), Add	24.78	
			For 4" Or 6" WG (Class A), Add	52.87	
			For 10" WG (Class A), Add	76.01	
			For Work In Restricted Working Space, Add	49.57	
23 31 13 13-0646	LF	26" x 28"	Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	196.29	102.94
			For 3" WG (Class B), Add	25.74	
			For 4" Or 6" WG (Class A), Add	54.91	
			For 10" WG (Class A), Add	78.93	
			For Work In Restricted Working Space, Add	51.47	
23 31 13 13-0647	LF	26" x 30"	Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	203.55	106.76
			For 3" WG (Class B), Add	26.69	
			For 4" Or 6" WG (Class A), Add	56.94	
			For 10" WG (Class A), Add	81.85	
			For Work In Restricted Working Space, Add	53.38	
23 31 13 13-0648	LF	26" x 32"	Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	210.82	110.57
			For 3" WG (Class B), Add	27.64	
			For 4" Or 6" WG (Class A), Add	58.97	
			For 10" WG (Class A), Add	84.77	
			For Work In Restricted Working Space, Add	55.28	
23 31 13 13-0649	LF	26" x 34"	Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	218.11	114.39
			For 3" WG (Class B), Add	28.60	
			For 4" Or 6" WG (Class A), Add	61.01	
			For 10" WG (Class A), Add	87.70	
			For Work In Restricted Working Space, Add	57.20	
23 31 13 13-0650	LF	26" x 36"	Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	225.36	118.19
			For 3" WG (Class B), Add	29.55	
			For 4" Or 6" WG (Class A), Add	63.04	
			For 10" WG (Class A), Add	90.62	
			For Work In Restricted Working Space, Add	59.10	
23 31 13 13-0651	LF	26" x 38"	Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	232.63	122.02
			For 3" WG (Class B), Add	30.50	
			For 4" Or 6" WG (Class A), Add	65.07	
			For 10" WG (Class A), Add	93.54	
			For Work In Restricted Working Space, Add	61.01	
23 31 13 13-0652	LF	26" x 40"	Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	239.90	125.82
			For 3" WG (Class B), Add	31.46	
			For 4" Or 6" WG (Class A), Add	67.11	
			For 10" WG (Class A), Add	96.47	
			For Work In Restricted Working Space, Add	62.91	
23 31 13 13-0653	LF	26" x 42"	Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	247.17	129.65
			For 3" WG (Class B), Add	32.41	
			For 4" Or 6" WG (Class A), Add	69.14	
			For 10" WG (Class A), Add	99.39	
			For Work In Restricted Working Space, Add	64.82	
23 31 13 13-0654	LF	26" x 44"	Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	254.45	133.45
			For 3" WG (Class B), Add	33.36	
			For 4" Or 6" WG (Class A), Add	71.17	
			For 10" WG (Class A), Add	102.31	
			For Work In Restricted Working Space, Add	66.73	
23 31 13 13-0655	LF	26" x 46"	Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	261.71	137.26
			For 3" WG (Class B), Add	34.32	
			For 4" Or 6" WG (Class A), Add	73.21	
			For 10" WG (Class A), Add	105.23	
			For Work In Restricted Working Space, Add	68.63	
23 31 13 13-0656	LF	26" x 48"	Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	268.99	141.08
			For 3" WG (Class B), Add	35.27	
			For 4" Or 6" WG (Class A), Add	75.24	
			For 10" WG (Class A), Add	108.16	
			For Work In Restricted Working Space, Add	70.54	
23 31 13 13-0657	LF	28" x 28"	Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	203.55	106.76
			For 3" WG (Class B), Add	26.69	
			For 4" Or 6" WG (Class A), Add	56.94	
			For 10" WG (Class A), Add	81.85	
			For Work In Restricted Working Space, Add	53.38	
23 31 13 13-0658	LF	28" x 30"	Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	210.82	110.57
			For 3" WG (Class B), Add	27.64	
			For 4" Or 6" WG (Class A), Add	58.97	
			For 10" WG (Class A), Add	84.77	
			For Work In Restricted Working Space, Add	55.28	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 31 13 13-0659	LF 28" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	218.11	114.39
	For 3" WG (Class B), Add	28.60	
	For 4" Or 6" WG (Class A), Add	61.01	
	For 10" WG (Class A), Add	87.70	
	For Work In Restricted Working Space, Add	57.20	
23 31 13 13-0660	LF 28" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	225.36	118.19
	For 3" WG (Class B), Add	29.55	
	For 4" Or 6" WG (Class A), Add	63.04	
	For 10" WG (Class A), Add	90.62	
	For Work In Restricted Working Space, Add	59.10	
23 31 13 13-0661	LF 28" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	232.63	122.02
	For 3" WG (Class B), Add	30.50	
	For 4" Or 6" WG (Class A), Add	65.07	
	For 10" WG (Class A), Add	93.54	
	For Work In Restricted Working Space, Add	61.01	
23 31 13 13-0662	LF 28" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	239.90	125.82
	For 3" WG (Class B), Add	31.46	
	For 4" Or 6" WG (Class A), Add	67.11	
	For 10" WG (Class A), Add	96.47	
	For Work In Restricted Working Space, Add	62.91	
23 31 13 13-0663	LF 28" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	247.17	129.65
	For 3" WG (Class B), Add	32.41	
	For 4" Or 6" WG (Class A), Add	69.14	
	For 10" WG (Class A), Add	99.39	
	For Work In Restricted Working Space, Add	64.82	
23 31 13 13-0664	LF 28" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	254.45	133.45
	For 3" WG (Class B), Add	33.36	
	For 4" Or 6" WG (Class A), Add	71.17	
	For 10" WG (Class A), Add	102.31	
	For Work In Restricted Working Space, Add	66.73	
23 31 13 13-0665	LF 28" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	261.71	137.26
	For 3" WG (Class B), Add	34.32	
	For 4" Or 6" WG (Class A), Add	73.21	
	For 10" WG (Class A), Add	105.23	
	For Work In Restricted Working Space, Add	68.63	
23 31 13 13-0666	LF 28" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	268.99	141.08
	For 3" WG (Class B), Add	35.27	
	For 4" Or 6" WG (Class A), Add	75.24	
	For 10" WG (Class A), Add	108.16	
	For Work In Restricted Working Space, Add	70.54	
23 31 13 13-0667	LF 28" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	276.24	144.89
	For 3" WG (Class B), Add	36.22	
	For 4" Or 6" WG (Class A), Add	77.27	
	For 10" WG (Class A), Add	111.08	
	For Work In Restricted Working Space, Add	72.44	
23 31 13 13-0668	LF 30" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	218.11	114.39
	For 3" WG (Class B), Add	28.60	
	For 4" Or 6" WG (Class A), Add	61.01	
	For 10" WG (Class A), Add	87.70	
	For Work In Restricted Working Space, Add	57.20	
23 31 13 13-0669	LF 30" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	225.36	118.19
	For 3" WG (Class B), Add	29.55	
	For 4" Or 6" WG (Class A), Add	63.04	
	For 10" WG (Class A), Add	90.62	
	For Work In Restricted Working Space, Add	59.10	
23 31 13 13-0670	LF 30" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	232.63	122.02
	For 3" WG (Class B), Add	30.50	
	For 4" Or 6" WG (Class A), Add	65.07	
	For 10" WG (Class A), Add	93.54	
	For Work In Restricted Working Space, Add	61.01	
23 31 13 13-0671	LF 30" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	239.90	125.82
	For 3" WG (Class B), Add	31.46	
	For 4" Or 6" WG (Class A), Add	67.11	
	For 10" WG (Class A), Add	96.47	
	For Work In Restricted Working Space, Add	62.91	
23 31 13 13-0672	LF 30" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	247.17	129.65
	For 3" WG (Class B), Add	32.41	
	For 4" Or 6" WG (Class A), Add	69.14	
	For 10" WG (Class A), Add	99.39	
	For Work In Restricted Working Space, Add	64.82	
23 31 13 13-0673	LF 30" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	254.45	133.45
	For 3" WG (Class B), Add	33.36	
	For 4" Or 6" WG (Class A), Add	71.17	
	For 10" WG (Class A), Add	102.31	
	For Work In Restricted Working Space, Add	66.73	
23 31 13 13-0674	LF 30" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	261.71	137.26
	For 3" WG (Class B), Add	34.32	
	For 4" Or 6" WG (Class A), Add	73.21	
	For 10" WG (Class A), Add	105.23	
	For Work In Restricted Working Space, Add	68.63	
23 31 13 13-0675	LF 30" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	268.99	141.08
	For 3" WG (Class B), Add	35.27	
	For 4" Or 6" WG (Class A), Add	75.24	
	For 10" WG (Class A), Add	108.16	
	For Work In Restricted Working Space, Add	70.54	
23 31 13 13-0676	LF 30" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	276.24	144.89
	For 3" WG (Class B), Add	36.22	
	For 4" Or 6" WG (Class A), Add	77.27	
	For 10" WG (Class A), Add	111.08	
	For Work In Restricted Working Space, Add	72.44	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0677	LF	30" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	283.52	148.70
			For 3" WG (Class B), Add	37.18	
			For 4" Or 6" WG (Class A), Add	79.31	
			For 10" WG (Class A), Add	114.01	
			For Work In Restricted Working Space, Add	74.35	
23 31 13	13-0678	LF	32" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	232.63	122.02
			For 3" WG (Class B), Add	30.50	
			For 4" Or 6" WG (Class A), Add	65.07	
			For 10" WG (Class A), Add	93.54	
			For Work In Restricted Working Space, Add	61.01	
23 31 13	13-0679	LF	32" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	239.90	125.82
			For 3" WG (Class B), Add	31.46	
			For 4" Or 6" WG (Class A), Add	67.11	
			For 10" WG (Class A), Add	96.47	
			For Work In Restricted Working Space, Add	62.91	
23 31 13	13-0680	LF	32" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	247.17	129.65
			For 3" WG (Class B), Add	32.41	
			For 4" Or 6" WG (Class A), Add	69.14	
			For 10" WG (Class A), Add	99.39	
			For Work In Restricted Working Space, Add	64.82	
23 31 13	13-0681	LF	32" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	254.45	133.45
			For 3" WG (Class B), Add	33.36	
			For 4" Or 6" WG (Class A), Add	71.17	
			For 10" WG (Class A), Add	102.31	
			For Work In Restricted Working Space, Add	66.73	
23 31 13	13-0682	LF	32" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	261.71	137.26
			For 3" WG (Class B), Add	34.32	
			For 4" Or 6" WG (Class A), Add	73.21	
			For 10" WG (Class A), Add	105.23	
			For Work In Restricted Working Space, Add	68.63	
23 31 13	13-0683	LF	32" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	268.99	141.08
			For 3" WG (Class B), Add	35.27	
			For 4" Or 6" WG (Class A), Add	75.24	
			For 10" WG (Class A), Add	108.16	
			For Work In Restricted Working Space, Add	70.54	
23 31 13	13-0684	LF	32" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	276.24	144.89
			For 3" WG (Class B), Add	36.22	
			For 4" Or 6" WG (Class A), Add	77.27	
			For 10" WG (Class A), Add	111.08	
			For Work In Restricted Working Space, Add	72.44	
23 31 13	13-0685	LF	32" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	283.52	148.70
			For 3" WG (Class B), Add	37.18	
			For 4" Or 6" WG (Class A), Add	79.31	
			For 10" WG (Class A), Add	114.01	
			For Work In Restricted Working Space, Add	74.35	
23 31 13	13-0686	LF	32" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	290.81	152.52
			For 3" WG (Class B), Add	38.13	
			For 4" Or 6" WG (Class A), Add	81.34	
			For 10" WG (Class A), Add	116.93	
			For Work In Restricted Working Space, Add	76.26	
23 31 13	13-0687	LF	34" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	247.17	129.65
			For 3" WG (Class B), Add	32.41	
			For 4" Or 6" WG (Class A), Add	69.14	
			For 10" WG (Class A), Add	99.39	
			For Work In Restricted Working Space, Add	64.82	
23 31 13	13-0688	LF	34" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	254.45	133.45
			For 3" WG (Class B), Add	33.36	
			For 4" Or 6" WG (Class A), Add	71.17	
			For 10" WG (Class A), Add	102.31	
			For Work In Restricted Working Space, Add	66.73	
23 31 13	13-0689	LF	34" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	261.71	137.26
			For 3" WG (Class B), Add	34.32	
			For 4" Or 6" WG (Class A), Add	73.21	
			For 10" WG (Class A), Add	105.23	
			For Work In Restricted Working Space, Add	68.63	
23 31 13	13-0690	LF	34" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	268.99	141.08
			For 3" WG (Class B), Add	35.27	
			For 4" Or 6" WG (Class A), Add	75.24	
			For 10" WG (Class A), Add	108.16	
			For Work In Restricted Working Space, Add	70.54	
23 31 13	13-0691	LF	34" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	276.24	144.89
			For 3" WG (Class B), Add	36.22	
			For 4" Or 6" WG (Class A), Add	77.27	
			For 10" WG (Class A), Add	111.08	
			For Work In Restricted Working Space, Add	72.44	
23 31 13	13-0692	LF	34" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	283.52	148.70
			For 3" WG (Class B), Add	37.18	
			For 4" Or 6" WG (Class A), Add	79.31	
			For 10" WG (Class A), Add	114.01	
			For Work In Restricted Working Space, Add	74.35	
23 31 13	13-0693	LF	34" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	290.81	152.52
			For 3" WG (Class B), Add	38.13	
			For 4" Or 6" WG (Class A), Add	81.34	
			For 10" WG (Class A), Add	116.93	
			For Work In Restricted Working Space, Add	76.26	
23 31 13	13-0694	LF	34" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	298.05	156.33
			For 3" WG (Class B), Add	39.08	
			For 4" Or 6" WG (Class A), Add	83.37	
			For 10" WG (Class A), Add	119.85	
			For Work In Restricted Working Space, Add	78.16	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 31 HVAC Ducts and Casings**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13 13-0695	LF	36" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	261.71	137.26
			<i>For 3" WG (Class B), Add</i>	34.32	
			<i>For 4" Or 6" WG (Class A), Add</i>	73.21	
			<i>For 10" WG (Class A), Add</i>	105.23	
			<i>For Work In Restricted Working Space, Add</i>	68.63	
23 31	13 13-0696	LF	36" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	268.99	141.08
			<i>For 3" WG (Class B), Add</i>	35.27	
			<i>For 4" Or 6" WG (Class A), Add</i>	75.24	
			<i>For 10" WG (Class A), Add</i>	108.16	
			<i>For Work In Restricted Working Space, Add</i>	70.54	
23 31	13 13-0697	LF	36" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	276.24	144.89
			<i>For 3" WG (Class B), Add</i>	36.22	
			<i>For 4" Or 6" WG (Class A), Add</i>	77.27	
			<i>For 10" WG (Class A), Add</i>	111.08	
			<i>For Work In Restricted Working Space, Add</i>	72.44	
23 31	13 13-0698	LF	36" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	283.52	148.70
			<i>For 3" WG (Class B), Add</i>	37.18	
			<i>For 4" Or 6" WG (Class A), Add</i>	79.31	
			<i>For 10" WG (Class A), Add</i>	114.01	
			<i>For Work In Restricted Working Space, Add</i>	74.35	
23 31	13 13-0699	LF	36" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	290.81	152.52
			<i>For 3" WG (Class B), Add</i>	38.13	
			<i>For 4" Or 6" WG (Class A), Add</i>	81.34	
			<i>For 10" WG (Class A), Add</i>	116.93	
			<i>For Work In Restricted Working Space, Add</i>	76.26	
23 31	13 13-0700	LF	36" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	298.05	156.33
			<i>For 3" WG (Class B), Add</i>	39.08	
			<i>For 4" Or 6" WG (Class A), Add</i>	83.37	
			<i>For 10" WG (Class A), Add</i>	119.85	
			<i>For Work In Restricted Working Space, Add</i>	78.16	
23 31	13 13-0701	LF	36" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	305.33	160.14
			<i>For 3" WG (Class B), Add</i>	40.04	
			<i>For 4" Or 6" WG (Class A), Add</i>	85.41	
			<i>For 10" WG (Class A), Add</i>	122.77	
			<i>For Work In Restricted Working Space, Add</i>	80.07	
23 31	13 13-0702	LF	38" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	276.24	144.89
			<i>For 3" WG (Class B), Add</i>	36.22	
			<i>For 4" Or 6" WG (Class A), Add</i>	77.27	
			<i>For 10" WG (Class A), Add</i>	111.08	
			<i>For Work In Restricted Working Space, Add</i>	72.44	
23 31	13 13-0703	LF	38" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	283.52	148.70
			<i>For 3" WG (Class B), Add</i>	37.18	
			<i>For 4" Or 6" WG (Class A), Add</i>	79.31	
			<i>For 10" WG (Class A), Add</i>	114.01	
			<i>For Work In Restricted Working Space, Add</i>	74.35	
23 31	13 13-0704	LF	38" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	290.81	152.52
			<i>For 3" WG (Class B), Add</i>	38.13	
			<i>For 4" Or 6" WG (Class A), Add</i>	81.34	
			<i>For 10" WG (Class A), Add</i>	116.93	
			<i>For Work In Restricted Working Space, Add</i>	76.26	
23 31	13 13-0705	LF	38" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	298.05	156.33
			<i>For 3" WG (Class B), Add</i>	39.08	
			<i>For 4" Or 6" WG (Class A), Add</i>	83.37	
			<i>For 10" WG (Class A), Add</i>	119.85	
			<i>For Work In Restricted Working Space, Add</i>	78.16	
23 31	13 13-0706	LF	38" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	305.33	160.14
			<i>For 3" WG (Class B), Add</i>	40.04	
			<i>For 4" Or 6" WG (Class A), Add</i>	85.41	
			<i>For 10" WG (Class A), Add</i>	122.77	
			<i>For Work In Restricted Working Space, Add</i>	80.07	
23 31	13 13-0707	LF	38" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	312.61	163.96
			<i>For 3" WG (Class B), Add</i>	40.99	
			<i>For 4" Or 6" WG (Class A), Add</i>	87.44	
			<i>For 10" WG (Class A), Add</i>	125.70	
			<i>For Work In Restricted Working Space, Add</i>	81.98	
23 31	13 13-0708	LF	38" x 50", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	319.88	167.77
			<i>For 3" WG (Class B), Add</i>	41.94	
			<i>For 4" Or 6" WG (Class A), Add</i>	89.48	
			<i>For 10" WG (Class A), Add</i>	128.63	
			<i>For Work In Restricted Working Space, Add</i>	83.89	
23 31	13 13-0709	LF	40" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	290.81	152.52
			<i>For 3" WG (Class B), Add</i>	38.13	
			<i>For 4" Or 6" WG (Class A), Add</i>	81.34	
			<i>For 10" WG (Class A), Add</i>	116.93	
			<i>For Work In Restricted Working Space, Add</i>	76.26	
23 31	13 13-0710	LF	40" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	298.05	156.33
			<i>For 3" WG (Class B), Add</i>	39.08	
			<i>For 4" Or 6" WG (Class A), Add</i>	83.37	
			<i>For 10" WG (Class A), Add</i>	119.85	
			<i>For Work In Restricted Working Space, Add</i>	78.16	
23 31	13 13-0711	LF	40" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	305.33	160.14
			<i>For 3" WG (Class B), Add</i>	40.04	
			<i>For 4" Or 6" WG (Class A), Add</i>	85.41	
			<i>For 10" WG (Class A), Add</i>	122.77	
			<i>For Work In Restricted Working Space, Add</i>	80.07	
23 31	13 13-0712	LF	40" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	312.61	163.96
			<i>For 3" WG (Class B), Add</i>	40.99	
			<i>For 4" Or 6" WG (Class A), Add</i>	87.44	
			<i>For 10" WG (Class A), Add</i>	125.70	
			<i>For Work In Restricted Working Space, Add</i>	81.98	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0713	LF	40" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	319.88	167.77
			For 3" WG (Class B), Add	41.94	
			For 4" Or 6" WG (Class A), Add	89.48	
			For 10" WG (Class A), Add	128.63	
			For Work In Restricted Working Space, Add	83.89	
23 31 13	13-0714	LF	40" x 50", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	327.14	171.58
			For 3" WG (Class B), Add	42.89	
			For 4" Or 6" WG (Class A), Add	91.51	
			For 10" WG (Class A), Add	131.54	
			For Work In Restricted Working Space, Add	85.79	
23 31 13	13-0715	LF	40" x 52", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	334.40	175.40
			For 3" WG (Class B), Add	43.85	
			For 4" Or 6" WG (Class A), Add	93.54	
			For 10" WG (Class A), Add	134.47	
			For Work In Restricted Working Space, Add	87.70	
23 31 13	13-0716	LF	40" x 54", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	341.68	179.21
			For 3" WG (Class B), Add	44.80	
			For 4" Or 6" WG (Class A), Add	95.57	
			For 10" WG (Class A), Add	137.39	
			For Work In Restricted Working Space, Add	89.60	
23 31 13	13-0717	LF	40" x 56", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	348.96	183.02
			For 3" WG (Class B), Add	45.75	
			For 4" Or 6" WG (Class A), Add	97.61	
			For 10" WG (Class A), Add	140.31	
			For Work In Restricted Working Space, Add	91.51	
23 31 13	13-0718	LF	42" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	305.33	160.14
			For 3" WG (Class B), Add	40.04	
			For 4" Or 6" WG (Class A), Add	85.41	
			For 10" WG (Class A), Add	122.77	
			For Work In Restricted Working Space, Add	80.07	
23 31 13	13-0719	LF	42" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	312.61	163.96
			For 3" WG (Class B), Add	40.99	
			For 4" Or 6" WG (Class A), Add	87.44	
			For 10" WG (Class A), Add	125.70	
			For Work In Restricted Working Space, Add	81.98	
23 31 13	13-0720	LF	42" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	319.88	167.77
			For 3" WG (Class B), Add	41.94	
			For 4" Or 6" WG (Class A), Add	89.48	
			For 10" WG (Class A), Add	128.63	
			For Work In Restricted Working Space, Add	83.89	
23 31 13	13-0721	LF	42" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	327.14	171.58
			For 3" WG (Class B), Add	42.89	
			For 4" Or 6" WG (Class A), Add	91.51	
			For 10" WG (Class A), Add	131.54	
			For Work In Restricted Working Space, Add	85.79	
23 31 13	13-0722	LF	42" x 50", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	334.40	175.40
			For 3" WG (Class B), Add	43.85	
			For 4" Or 6" WG (Class A), Add	93.54	
			For 10" WG (Class A), Add	134.47	
			For Work In Restricted Working Space, Add	87.70	
23 31 13	13-0723	LF	42" x 52", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	341.68	179.21
			For 3" WG (Class B), Add	44.80	
			For 4" Or 6" WG (Class A), Add	95.57	
			For 10" WG (Class A), Add	137.39	
			For Work In Restricted Working Space, Add	89.60	
23 31 13	13-0724	LF	42" x 54", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	348.96	183.02
			For 3" WG (Class B), Add	45.75	
			For 4" Or 6" WG (Class A), Add	97.61	
			For 10" WG (Class A), Add	140.31	
			For Work In Restricted Working Space, Add	91.51	
23 31 13	13-0725	LF	42" x 56", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	356.21	186.83
			For 3" WG (Class B), Add	46.71	
			For 4" Or 6" WG (Class A), Add	99.64	
			For 10" WG (Class A), Add	143.23	
			For Work In Restricted Working Space, Add	93.41	
23 31 13	13-0726	LF	44" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	319.88	167.77
			For 3" WG (Class B), Add	41.94	
			For 4" Or 6" WG (Class A), Add	89.48	
			For 10" WG (Class A), Add	128.63	
			For Work In Restricted Working Space, Add	83.89	
23 31 13	13-0727	LF	44" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	327.14	171.58
			For 3" WG (Class B), Add	42.89	
			For 4" Or 6" WG (Class A), Add	91.51	
			For 10" WG (Class A), Add	131.54	
			For Work In Restricted Working Space, Add	85.79	
23 31 13	13-0728	LF	44" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	334.40	175.40
			For 3" WG (Class B), Add	43.85	
			For 4" Or 6" WG (Class A), Add	93.54	
			For 10" WG (Class A), Add	134.47	
			For Work In Restricted Working Space, Add	87.70	
23 31 13	13-0729	LF	44" x 50", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	341.68	179.21
			For 3" WG (Class B), Add	44.80	
			For 4" Or 6" WG (Class A), Add	95.57	
			For 10" WG (Class A), Add	137.39	
			For Work In Restricted Working Space, Add	89.60	
23 31 13	13-0730	LF	44" x 52", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	348.96	183.02
			For 3" WG (Class B), Add	45.75	
			For 4" Or 6" WG (Class A), Add	97.61	
			For 10" WG (Class A), Add	140.31	
			For Work In Restricted Working Space, Add	91.51	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 31 HVAC Ducts and Casings**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13 13-0731	LF	44" x 54", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	356.21	186.83
			For 3" WG (Class B), Add	46.71	
			For 4" Or 6" WG (Class A), Add	99.64	
			For 10" WG (Class A), Add	143.23	
			For Work In Restricted Working Space, Add	93.41	
23 31	13 13-0732	LF	44" x 56", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	363.49	190.65
			For 3" WG (Class B), Add	47.66	
			For 4" Or 6" WG (Class A), Add	101.68	
			For 10" WG (Class A), Add	146.16	
			For Work In Restricted Working Space, Add	95.32	
23 31	13 13-0733	LF	46" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	334.40	175.40
			For 3" WG (Class B), Add	43.85	
			For 4" Or 6" WG (Class A), Add	93.54	
			For 10" WG (Class A), Add	134.47	
			For Work In Restricted Working Space, Add	87.70	
23 31	13 13-0734	LF	46" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	341.68	179.21
			For 3" WG (Class B), Add	44.80	
			For 4" Or 6" WG (Class A), Add	95.57	
			For 10" WG (Class A), Add	137.39	
			For Work In Restricted Working Space, Add	89.60	
23 31	13 13-0735	LF	46" x 50", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	348.96	183.02
			For 3" WG (Class B), Add	45.75	
			For 4" Or 6" WG (Class A), Add	97.61	
			For 10" WG (Class A), Add	140.31	
			For Work In Restricted Working Space, Add	91.51	
23 31	13 13-0736	LF	46" x 52", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	356.21	186.83
			For 3" WG (Class B), Add	46.71	
			For 4" Or 6" WG (Class A), Add	99.64	
			For 10" WG (Class A), Add	143.23	
			For Work In Restricted Working Space, Add	93.41	
23 31	13 13-0737	LF	46" x 54", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	363.49	190.65
			For 3" WG (Class B), Add	47.66	
			For 4" Or 6" WG (Class A), Add	101.68	
			For 10" WG (Class A), Add	146.16	
			For Work In Restricted Working Space, Add	95.32	
23 31	13 13-0738	LF	46" x 56", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	377.13	198.28
			For 3" WG (Class B), Add	49.57	
			For 4" Or 6" WG (Class A), Add	105.74	
			For 10" WG (Class A), Add	152.01	
			For Work In Restricted Working Space, Add	99.14	
23 31	13 13-0739	LF	46" x 58", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	384.39	202.08
			For 3" WG (Class B), Add	50.52	
			For 4" Or 6" WG (Class A), Add	107.78	
			For 10" WG (Class A), Add	154.93	
			For Work In Restricted Working Space, Add	101.04	
23 31	13 13-0740	LF	48" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	348.96	183.02
			For 3" WG (Class B), Add	45.75	
			For 4" Or 6" WG (Class A), Add	97.61	
			For 10" WG (Class A), Add	140.31	
			For Work In Restricted Working Space, Add	91.51	
23 31	13 13-0741	LF	48" x 50", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	356.21	186.83
			For 3" WG (Class B), Add	46.71	
			For 4" Or 6" WG (Class A), Add	99.64	
			For 10" WG (Class A), Add	143.23	
			For Work In Restricted Working Space, Add	93.41	
23 31	13 13-0742	LF	48" x 52", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	363.49	190.65
			For 3" WG (Class B), Add	47.66	
			For 4" Or 6" WG (Class A), Add	101.68	
			For 10" WG (Class A), Add	146.16	
			For Work In Restricted Working Space, Add	95.32	
23 31	13 13-0743	LF	48" x 54", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	370.78	194.45
			For 3" WG (Class B), Add	48.62	
			For 4" Or 6" WG (Class A), Add	103.71	
			For 10" WG (Class A), Add	149.09	
			For Work In Restricted Working Space, Add	97.23	
23 31	13 13-0744	LF	48" x 56", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	378.03	198.28
			For 3" WG (Class B), Add	49.57	
			For 4" Or 6" WG (Class A), Add	105.74	
			For 10" WG (Class A), Add	152.01	
			For Work In Restricted Working Space, Add	99.14	
23 31	13 13-0745	LF	48" x 58", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	385.31	202.08
			For 3" WG (Class B), Add	50.52	
			For 4" Or 6" WG (Class A), Add	107.78	
			For 10" WG (Class A), Add	154.93	
			For Work In Restricted Working Space, Add	101.04	
23 31	13 13-0746	LF	48" x 60", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	392.56	205.90
			For 3" WG (Class B), Add	51.47	
			For 4" Or 6" WG (Class A), Add	109.81	
			For 10" WG (Class A), Add	157.85	
			For Work In Restricted Working Space, Add	102.95	
23 31	13 13-0747	LF	50" x 50", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	363.49	190.65
			For 3" WG (Class B), Add	47.66	
			For 4" Or 6" WG (Class A), Add	101.68	
			For 10" WG (Class A), Add	146.16	
			For Work In Restricted Working Space, Add	95.32	
23 31	13 13-0748	LF	50" x 52", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	370.78	194.45
			For 3" WG (Class B), Add	48.62	
			For 4" Or 6" WG (Class A), Add	103.71	
			For 10" WG (Class A), Add	149.09	
			For Work In Restricted Working Space, Add	97.23	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0749	LF	50" x 54", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	378.03	198.28	
		For 3" WG (Class B), Add	49.57		
		For 4" Or 6" WG (Class A), Add	105.74		
		For 10" WG (Class A), Add	152.01		
		For Work In Restricted Working Space, Add	99.14		
23 31 13 13-0750	LF	50" x 56", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	385.31	202.08	
		For 3" WG (Class B), Add	50.52		
		For 4" Or 6" WG (Class A), Add	107.78		
		For 10" WG (Class A), Add	154.93		
		For Work In Restricted Working Space, Add	101.04		
23 31 13 13-0751	LF	50" x 58", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	392.56	205.90	
		For 3" WG (Class B), Add	51.47		
		For 4" Or 6" WG (Class A), Add	109.81		
		For 10" WG (Class A), Add	157.85		
		For Work In Restricted Working Space, Add	102.95		
23 31 13 13-0752	LF	50" x 60", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	399.84	209.71	
		For 3" WG (Class B), Add	52.43		
		For 4" Or 6" WG (Class A), Add	111.84		
		For 10" WG (Class A), Add	160.77		
		For Work In Restricted Working Space, Add	104.85		
23 31 13 13-0753	LF	52" x 52", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	378.03	198.28	
		For 3" WG (Class B), Add	49.57		
		For 4" Or 6" WG (Class A), Add	105.74		
		For 10" WG (Class A), Add	152.01		
		For Work In Restricted Working Space, Add	99.14		
23 31 13 13-0754	LF	52" x 54", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	385.31	202.08	
		For 3" WG (Class B), Add	50.52		
		For 4" Or 6" WG (Class A), Add	107.78		
		For 10" WG (Class A), Add	154.93		
		For Work In Restricted Working Space, Add	101.04		
23 31 13 13-0755	LF	52" x 56", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	392.56	205.90	
		For 3" WG (Class B), Add	51.47		
		For 4" Or 6" WG (Class A), Add	109.81		
		For 10" WG (Class A), Add	157.85		
		For Work In Restricted Working Space, Add	102.95		
23 31 13 13-0756	LF	52" x 58", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	399.84	209.71	
		For 3" WG (Class B), Add	52.43		
		For 4" Or 6" WG (Class A), Add	111.84		
		For 10" WG (Class A), Add	160.77		
		For Work In Restricted Working Space, Add	104.85		
23 31 13 13-0757	LF	52" x 60", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	407.13	213.53	
		For 3" WG (Class B), Add	53.38		
		For 4" Or 6" WG (Class A), Add	113.88		
		For 10" WG (Class A), Add	163.70		
		For Work In Restricted Working Space, Add	106.76		
23 31 13 13-0758	LF	54" x 54", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	392.56	205.90	
		For 3" WG (Class B), Add	51.47		
		For 4" Or 6" WG (Class A), Add	109.81		
		For 10" WG (Class A), Add	157.85		
		For Work In Restricted Working Space, Add	102.95		
23 31 13 13-0759	LF	54" x 56", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	399.84	209.71	
		For 3" WG (Class B), Add	52.43		
		For 4" Or 6" WG (Class A), Add	111.84		
		For 10" WG (Class A), Add	160.77		
		For Work In Restricted Working Space, Add	104.85		
23 31 13 13-0760	LF	54" x 58", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	407.13	213.53	
		For 3" WG (Class B), Add	53.38		
		For 4" Or 6" WG (Class A), Add	113.88		
		For 10" WG (Class A), Add	163.70		
		For Work In Restricted Working Space, Add	106.76		
23 31 13 13-0761	LF	54" x 60", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	414.38	217.33	
		For 3" WG (Class B), Add	54.33		
		For 4" Or 6" WG (Class A), Add	115.91		
		For 10" WG (Class A), Add	166.63		
		For Work In Restricted Working Space, Add	108.67		
23 31 13 13-0762	LF	54" x 62", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	421.65	221.15	
		For 3" WG (Class B), Add	55.29		
		For 4" Or 6" WG (Class A), Add	117.95		
		For 10" WG (Class A), Add	169.55		
		For Work In Restricted Working Space, Add	110.57		
23 31 13 13-0763	LF	54" x 64", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	428.91	224.96	
		For 3" WG (Class B), Add	56.24		
		For 4" Or 6" WG (Class A), Add	119.98		
		For 10" WG (Class A), Add	172.47		
		For Work In Restricted Working Space, Add	112.48		
23 31 13 13-0764	LF	56" x 56", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	407.13	213.53	
		For 3" WG (Class B), Add	53.38		
		For 4" Or 6" WG (Class A), Add	113.88		
		For 10" WG (Class A), Add	163.70		
		For Work In Restricted Working Space, Add	106.76		
23 31 13 13-0765	LF	56" x 58", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	414.38	217.33	
		For 3" WG (Class B), Add	54.33		
		For 4" Or 6" WG (Class A), Add	115.91		
		For 10" WG (Class A), Add	166.63		
		For Work In Restricted Working Space, Add	108.67		
23 31 13 13-0766	LF	56" x 60", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	421.65	221.15	
		For 3" WG (Class B), Add	55.29		
		For 4" Or 6" WG (Class A), Add	117.95		
		For 10" WG (Class A), Add	169.55		
		For Work In Restricted Working Space, Add	110.57		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 31 13 13-0767	LF 56" x 62", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	428.91	224.96
	For 3" WG (Class B), Add	56.24	
	For 4" Or 6" WG (Class A), Add	119.98	
	For 10" WG (Class A), Add	172.47	
	For Work In Restricted Working Space, Add	112.48	
23 31 13 13-0768	LF 56" x 64", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	436.19	228.77
	For 3" WG (Class B), Add	57.19	
	For 4" Or 6" WG (Class A), Add	122.01	
	For 10" WG (Class A), Add	175.39	
	For Work In Restricted Working Space, Add	114.39	
23 31 13 13-0769	LF 58" x 58", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	421.65	221.15
	For 3" WG (Class B), Add	55.29	
	For 4" Or 6" WG (Class A), Add	117.95	
	For 10" WG (Class A), Add	169.55	
	For Work In Restricted Working Space, Add	110.57	
23 31 13 13-0770	LF 58" x 60", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	428.91	224.96
	For 3" WG (Class B), Add	56.24	
	For 4" Or 6" WG (Class A), Add	119.98	
	For 10" WG (Class A), Add	172.47	
	For Work In Restricted Working Space, Add	112.48	
23 31 13 13-0771	LF 58" x 62", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	436.19	228.77
	For 3" WG (Class B), Add	57.19	
	For 4" Or 6" WG (Class A), Add	122.01	
	For 10" WG (Class A), Add	175.39	
	For Work In Restricted Working Space, Add	114.39	
23 31 13 13-0772	LF 58" x 64", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	443.46	232.59
	For 3" WG (Class B), Add	58.15	
	For 4" Or 6" WG (Class A), Add	124.04	
	For 10" WG (Class A), Add	178.31	
	For Work In Restricted Working Space, Add	116.29	
23 31 13 13-0773	LF 58" x 66", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	450.72	236.39
	For 3" WG (Class B), Add	59.10	
	For 4" Or 6" WG (Class A), Add	126.08	
	For 10" WG (Class A), Add	181.24	
	For Work In Restricted Working Space, Add	118.20	
23 31 13 13-0774	LF 60" x 60", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	436.19	228.77
	For 3" WG (Class B), Add	57.19	
	For 4" Or 6" WG (Class A), Add	122.01	
	For 10" WG (Class A), Add	175.39	
	For Work In Restricted Working Space, Add	114.39	
23 31 13 13-0775	LF 60" x 62", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	443.46	232.59
	For 3" WG (Class B), Add	58.15	
	For 4" Or 6" WG (Class A), Add	124.04	
	For 10" WG (Class A), Add	178.31	
	For Work In Restricted Working Space, Add	116.29	
23 31 13 13-0776	LF 60" x 64", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	450.72	236.39
	For 3" WG (Class B), Add	59.10	
	For 4" Or 6" WG (Class A), Add	126.08	
	For 10" WG (Class A), Add	181.24	
	For Work In Restricted Working Space, Add	118.20	
23 31 13 13-0777	LF 60" x 66", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	458.01	240.21
	For 3" WG (Class B), Add	60.05	
	For 4" Or 6" WG (Class A), Add	128.12	
	For 10" WG (Class A), Add	184.17	
	For Work In Restricted Working Space, Add	120.11	
23 31 13 13-0778	LF 60" x 68", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	465.28	244.02
	For 3" WG (Class B), Add	61.01	
	For 4" Or 6" WG (Class A), Add	130.15	
	For 10" WG (Class A), Add	187.09	
	For Work In Restricted Working Space, Add	122.01	
23 31 13 13-0779	LF 62" x 62", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	450.72	236.39
	For 3" WG (Class B), Add	59.10	
	For 4" Or 6" WG (Class A), Add	126.08	
	For 10" WG (Class A), Add	181.24	
	For Work In Restricted Working Space, Add	118.20	
23 31 13 13-0780	LF 62" x 64", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	458.01	240.21
	For 3" WG (Class B), Add	60.05	
	For 4" Or 6" WG (Class A), Add	128.12	
	For 10" WG (Class A), Add	184.17	
	For Work In Restricted Working Space, Add	120.11	
23 31 13 13-0781	LF 62" x 66", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	465.28	244.02
	For 3" WG (Class B), Add	61.01	
	For 4" Or 6" WG (Class A), Add	130.15	
	For 10" WG (Class A), Add	187.09	
	For Work In Restricted Working Space, Add	122.01	
23 31 13 13-0782	LF 62" x 68", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	472.54	247.84
	For 3" WG (Class B), Add	61.96	
	For 4" Or 6" WG (Class A), Add	132.18	
	For 10" WG (Class A), Add	190.01	
	For Work In Restricted Working Space, Add	123.92	
23 31 13 13-0783	LF 62" x 70", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	479.81	251.64
	For 3" WG (Class B), Add	62.91	
	For 4" Or 6" WG (Class A), Add	134.21	
	For 10" WG (Class A), Add	192.93	
	For Work In Restricted Working Space, Add	125.82	
23 31 13 13-0784	LF 64" x 64", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	465.28	244.02
	For 3" WG (Class B), Add	61.01	
	For 4" Or 6" WG (Class A), Add	130.15	
	For 10" WG (Class A), Add	187.09	
	For Work In Restricted Working Space, Add	122.01	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0785	LF	64" x 66", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	472.54	247.84
			For 3" WG (Class B), Add	61.96	
			For 4" Or 6" WG (Class A), Add	132.18	
			For 10" WG (Class A), Add	190.01	
			For Work In Restricted Working Space, Add	123.92	
23 31 13	13-0786	LF	64" x 68", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	479.81	251.64
			For 3" WG (Class B), Add	62.91	
			For 4" Or 6" WG (Class A), Add	134.21	
			For 10" WG (Class A), Add	192.93	
			For Work In Restricted Working Space, Add	125.82	
23 31 13	13-0787	LF	64" x 70", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	487.07	255.47
			For 3" WG (Class B), Add	63.87	
			For 4" Or 6" WG (Class A), Add	136.25	
			For 10" WG (Class A), Add	195.85	
			For Work In Restricted Working Space, Add	127.73	
23 31 13	13-0788	LF	66" x 66", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	479.81	251.64
			For 3" WG (Class B), Add	62.91	
			For 4" Or 6" WG (Class A), Add	134.21	
			For 10" WG (Class A), Add	192.93	
			For Work In Restricted Working Space, Add	125.82	
23 31 13	13-0789	LF	66" x 68", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	487.07	255.47
			For 3" WG (Class B), Add	63.87	
			For 4" Or 6" WG (Class A), Add	136.25	
			For 10" WG (Class A), Add	195.85	
			For Work In Restricted Working Space, Add	127.73	
23 31 13	13-0790	LF	66" x 70", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	494.34	259.27
			For 3" WG (Class B), Add	64.82	
			For 4" Or 6" WG (Class A), Add	138.28	
			For 10" WG (Class A), Add	198.78	
			For Work In Restricted Working Space, Add	129.64	
23 31 13	13-0791	LF	66" x 72", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	501.62	263.09
			For 3" WG (Class B), Add	65.77	
			For 4" Or 6" WG (Class A), Add	140.31	
			For 10" WG (Class A), Add	201.70	
			For Work In Restricted Working Space, Add	131.54	
23 31 13	13-0792	LF	68" x 68", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	494.34	259.27
			For 3" WG (Class B), Add	64.82	
			For 4" Or 6" WG (Class A), Add	138.28	
			For 10" WG (Class A), Add	198.78	
			For Work In Restricted Working Space, Add	129.64	
23 31 13	13-0793	LF	68" x 70", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	501.62	263.09
			For 3" WG (Class B), Add	65.77	
			For 4" Or 6" WG (Class A), Add	140.31	
			For 10" WG (Class A), Add	201.70	
			For Work In Restricted Working Space, Add	131.54	
23 31 13	13-0794	LF	68" x 72", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	508.88	266.90
			For 3" WG (Class B), Add	66.72	
			For 4" Or 6" WG (Class A), Add	142.35	
			For 10" WG (Class A), Add	204.62	
			For Work In Restricted Working Space, Add	133.45	
23 31 13	13-0795	LF	68" x 74", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	516.16	270.72
			For 3" WG (Class B), Add	67.68	
			For 4" Or 6" WG (Class A), Add	144.38	
			For 10" WG (Class A), Add	207.55	
			For Work In Restricted Working Space, Add	135.36	
23 31 13	13-0796	LF	70" x 70", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	508.88	266.90
			For 3" WG (Class B), Add	66.72	
			For 4" Or 6" WG (Class A), Add	142.35	
			For 10" WG (Class A), Add	204.62	
			For Work In Restricted Working Space, Add	133.45	
23 31 13	13-0797	LF	70" x 72", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	516.16	270.72
			For 3" WG (Class B), Add	67.68	
			For 4" Or 6" WG (Class A), Add	144.38	
			For 10" WG (Class A), Add	207.55	
			For Work In Restricted Working Space, Add	135.36	
23 31 13	13-0798	LF	70" x 74", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	523.44	274.52
			For 3" WG (Class B), Add	68.63	
			For 4" Or 6" WG (Class A), Add	146.42	
			For 10" WG (Class A), Add	210.47	
			For Work In Restricted Working Space, Add	137.27	
23 31 13	13-0799	LF	70" x 76", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	530.70	278.34
			For 3" WG (Class B), Add	69.59	
			For 4" Or 6" WG (Class A), Add	148.45	
			For 10" WG (Class A), Add	213.39	
			For Work In Restricted Working Space, Add	139.17	
23 31 13	13-0800	LF	70" x 78", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	537.98	282.15
			For 3" WG (Class B), Add	70.54	
			For 4" Or 6" WG (Class A), Add	150.48	
			For 10" WG (Class A), Add	216.32	
			For Work In Restricted Working Space, Add	141.08	
23 31 13	13-0801	LF	70" x 80", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	545.22	285.96
			For 3" WG (Class B), Add	71.49	
			For 4" Or 6" WG (Class A), Add	152.51	
			For 10" WG (Class A), Add	219.24	
			For Work In Restricted Working Space, Add	142.98	
23 31 13	13-0802	LF	70" x 82", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	552.51	289.78
			For 3" WG (Class B), Add	72.45	
			For 4" Or 6" WG (Class A), Add	154.55	
			For 10" WG (Class A), Add	222.17	
			For Work In Restricted Working Space, Add	144.89	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 31 13 13-0803	LF 70" x 84", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	559.78	293.59
	For 3" WG (Class B), Add	73.40	
	For 4" Or 6" WG (Class A), Add	156.58	
	For 10" WG (Class A), Add	225.09	
	For Work In Restricted Working Space, Add	146.80	
23 31 13 13-0804	LF 72" x 72", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	523.44	274.52
	For 3" WG (Class B), Add	68.63	
	For 4" Or 6" WG (Class A), Add	146.42	
	For 10" WG (Class A), Add	210.47	
	For Work In Restricted Working Space, Add	137.27	
23 31 13 13-0805	LF 72" x 74", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	530.70	278.34
	For 3" WG (Class B), Add	69.59	
	For 4" Or 6" WG (Class A), Add	148.45	
	For 10" WG (Class A), Add	213.39	
	For Work In Restricted Working Space, Add	139.17	
23 31 13 13-0806	LF 72" x 76", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	537.98	282.15
	For 3" WG (Class B), Add	70.54	
	For 4" Or 6" WG (Class A), Add	150.48	
	For 10" WG (Class A), Add	216.32	
	For Work In Restricted Working Space, Add	141.08	
23 31 13 13-0807	LF 72" x 78", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	545.22	285.96
	For 3" WG (Class B), Add	71.49	
	For 4" Or 6" WG (Class A), Add	152.51	
	For 10" WG (Class A), Add	219.24	
	For Work In Restricted Working Space, Add	142.98	
23 31 13 13-0808	LF 72" x 80", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	552.51	289.78
	For 3" WG (Class B), Add	72.45	
	For 4" Or 6" WG (Class A), Add	154.55	
	For 10" WG (Class A), Add	222.17	
	For Work In Restricted Working Space, Add	144.89	
23 31 13 13-0809	LF 72" x 82", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	559.78	293.59
	For 3" WG (Class B), Add	73.40	
	For 4" Or 6" WG (Class A), Add	156.58	
	For 10" WG (Class A), Add	225.09	
	For Work In Restricted Working Space, Add	146.80	
23 31 13 13-0810	LF 72" x 84", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	567.05	297.40
	For 3" WG (Class B), Add	74.35	
	For 4" Or 6" WG (Class A), Add	158.62	
	For 10" WG (Class A), Add	228.01	
	For Work In Restricted Working Space, Add	148.70	
23 31 13 13-0811	LF 74" x 74", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	537.98	282.15
	For 3" WG (Class B), Add	70.54	
	For 4" Or 6" WG (Class A), Add	150.48	
	For 10" WG (Class A), Add	216.32	
	For Work In Restricted Working Space, Add	141.08	
23 31 13 13-0812	LF 74" x 76", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	545.22	285.96
	For 3" WG (Class B), Add	71.49	
	For 4" Or 6" WG (Class A), Add	152.51	
	For 10" WG (Class A), Add	219.24	
	For Work In Restricted Working Space, Add	142.98	
23 31 13 13-0813	LF 74" x 78", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	552.51	289.78
	For 3" WG (Class B), Add	72.45	
	For 4" Or 6" WG (Class A), Add	154.55	
	For 10" WG (Class A), Add	222.17	
	For Work In Restricted Working Space, Add	144.89	
23 31 13 13-0814	LF 74" x 80", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	559.78	293.59
	For 3" WG (Class B), Add	73.40	
	For 4" Or 6" WG (Class A), Add	156.58	
	For 10" WG (Class A), Add	225.09	
	For Work In Restricted Working Space, Add	146.80	
23 31 13 13-0815	LF 74" x 82", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	567.05	297.40
	For 3" WG (Class B), Add	74.35	
	For 4" Or 6" WG (Class A), Add	158.62	
	For 10" WG (Class A), Add	228.01	
	For Work In Restricted Working Space, Add	148.70	
23 31 13 13-0816	LF 74" x 84", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	574.32	301.22
	For 3" WG (Class B), Add	75.30	
	For 4" Or 6" WG (Class A), Add	160.65	
	For 10" WG (Class A), Add	230.93	
	For Work In Restricted Working Space, Add	150.61	
23 31 13 13-0817	LF 76" x 76", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	552.51	289.78
	For 3" WG (Class B), Add	72.45	
	For 4" Or 6" WG (Class A), Add	154.55	
	For 10" WG (Class A), Add	222.17	
	For Work In Restricted Working Space, Add	144.89	
23 31 13 13-0818	LF 76" x 78", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	559.78	293.59
	For 3" WG (Class B), Add	73.40	
	For 4" Or 6" WG (Class A), Add	156.58	
	For 10" WG (Class A), Add	225.09	
	For Work In Restricted Working Space, Add	146.80	
23 31 13 13-0819	LF 76" x 80", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	567.05	297.40
	For 3" WG (Class B), Add	74.35	
	For 4" Or 6" WG (Class A), Add	158.62	
	For 10" WG (Class A), Add	228.01	
	For Work In Restricted Working Space, Add	148.70	
23 31 13 13-0820	LF 76" x 82", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	574.32	301.22
	For 3" WG (Class B), Add	75.30	
	For 4" Or 6" WG (Class A), Add	160.65	
	For 10" WG (Class A), Add	230.93	
	For Work In Restricted Working Space, Add	150.61	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0821	LF		76" x 84", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	581.57	305.03
			For 3" WG (Class B), Add	76.26	
			For 4" Or 6" WG (Class A), Add	162.68	
			For 10" WG (Class A), Add	233.85	
			For Work In Restricted Working Space, Add	152.51	
23 31 13 13-0822	LF		78" x 78", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	567.05	297.40
			For 3" WG (Class B), Add	74.35	
			For 4" Or 6" WG (Class A), Add	158.62	
			For 10" WG (Class A), Add	228.01	
			For Work In Restricted Working Space, Add	148.70	
23 31 13 13-0823	LF		78" x 80", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	574.32	301.22
			For 3" WG (Class B), Add	75.30	
			For 4" Or 6" WG (Class A), Add	160.65	
			For 10" WG (Class A), Add	230.93	
			For Work In Restricted Working Space, Add	150.61	
23 31 13 13-0824	LF		78" x 82", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	581.57	305.03
			For 3" WG (Class B), Add	76.26	
			For 4" Or 6" WG (Class A), Add	162.68	
			For 10" WG (Class A), Add	233.85	
			For Work In Restricted Working Space, Add	152.51	
23 31 13 13-0825	LF		78" x 84", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	588.86	308.84
			For 3" WG (Class B), Add	77.21	
			For 4" Or 6" WG (Class A), Add	164.72	
			For 10" WG (Class A), Add	236.78	
			For Work In Restricted Working Space, Add	154.42	
23 31 13 13-0826	LF		80" x 80", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	581.57	305.03
			For 3" WG (Class B), Add	76.26	
			For 4" Or 6" WG (Class A), Add	162.68	
			For 10" WG (Class A), Add	233.85	
			For Work In Restricted Working Space, Add	152.51	
23 31 13 13-0827	LF		80" x 82", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	588.86	308.84
			For 3" WG (Class B), Add	77.21	
			For 4" Or 6" WG (Class A), Add	164.72	
			For 10" WG (Class A), Add	236.78	
			For Work In Restricted Working Space, Add	154.42	
23 31 13 13-0828	LF		80" x 84", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	596.13	312.66
			For 3" WG (Class B), Add	78.16	
			For 4" Or 6" WG (Class A), Add	166.75	
			For 10" WG (Class A), Add	239.70	
			For Work In Restricted Working Space, Add	156.33	
23 31 13 13-0829	LF		80" x 82", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	596.13	312.66
			For 3" WG (Class B), Add	78.16	
			For 4" Or 6" WG (Class A), Add	166.75	
			For 10" WG (Class A), Add	239.70	
			For Work In Restricted Working Space, Add	156.33	
23 31 13 13-0830	LF		82" x 84", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	603.39	316.47
			For 3" WG (Class B), Add	79.12	
			For 4" Or 6" WG (Class A), Add	168.78	
			For 10" WG (Class A), Add	242.63	
			For Work In Restricted Working Space, Add	158.24	
23 31 13 13-0831	LF		84" x 84", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	610.66	320.28
			For 3" WG (Class B), Add	80.07	
			For 4" Or 6" WG (Class A), Add	170.82	
			For 10" WG (Class A), Add	245.55	
			For Work In Restricted Working Space, Add	160.14	
<b>23 31 13 13-0832</b>			<b>18 Gauge Galvanized Steel Metal Ductwork</b> <small>(23 31 13 13-0014)</small>		
23 31 13 13-0833	LF		4" x 4", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	37.87	19.85
			For 3" WG (Class B), Add	4.97	
			For 4" Or 6" WG (Class A), Add	10.59	
			For 10" WG (Class A), Add	15.23	
			For Work In Restricted Working Space, Add	9.93	
23 31 13 13-0834	LF		4" x 6", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	47.33	24.82
			For 3" WG (Class B), Add	6.21	
			For 4" Or 6" WG (Class A), Add	13.24	
			For 10" WG (Class A), Add	19.03	
			For Work In Restricted Working Space, Add	12.41	
23 31 13 13-0835	LF		4" x 8", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	56.78	29.79
			For 3" WG (Class B), Add	7.45	
			For 4" Or 6" WG (Class A), Add	15.88	
			For 10" WG (Class A), Add	22.83	
			For Work In Restricted Working Space, Add	14.89	
23 31 13 13-0836	LF		4" x 10", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	66.25	34.75
			For 3" WG (Class B), Add	8.69	
			For 4" Or 6" WG (Class A), Add	18.53	
			For 10" WG (Class A), Add	26.64	
			For Work In Restricted Working Space, Add	17.38	
23 31 13 13-0837	LF		4" x 12", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	75.73	39.72
			For 3" WG (Class B), Add	9.93	
			For 4" Or 6" WG (Class A), Add	21.18	
			For 10" WG (Class A), Add	30.45	
			For Work In Restricted Working Space, Add	19.86	
23 31 13 13-0838	LF		4" x 14", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	85.18	44.68
			For 3" WG (Class B), Add	11.17	
			For 4" Or 6" WG (Class A), Add	23.83	
			For 10" WG (Class A), Add	34.25	
			For Work In Restricted Working Space, Add	22.34	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13 13-0839	LF	4" x 16", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	94.65	49.64
			For 3" WG (Class B), Add	12.41	
			For 4" Or 6" WG (Class A), Add	26.48	
			For 10" WG (Class A), Add	38.06	
			For Work In Restricted Working Space, Add	24.82	
23 31	13 13-0840	LF	6" x 8", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	56.78	29.79
			For 3" WG (Class B), Add	7.45	
			For 4" Or 6" WG (Class A), Add	15.88	
			For 10" WG (Class A), Add	22.83	
			For Work In Restricted Working Space, Add	14.89	
23 31	13 13-0841	LF	6" x 8", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	66.25	34.75
			For 3" WG (Class B), Add	8.69	
			For 4" Or 6" WG (Class A), Add	18.53	
			For 10" WG (Class A), Add	26.64	
			For Work In Restricted Working Space, Add	17.38	
23 31	13 13-0842	LF	6" x 10", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	75.73	39.72
			For 3" WG (Class B), Add	9.93	
			For 4" Or 6" WG (Class A), Add	21.18	
			For 10" WG (Class A), Add	30.45	
			For Work In Restricted Working Space, Add	19.86	
23 31	13 13-0843	LF	6" x 12", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	85.18	44.68
			For 3" WG (Class B), Add	11.17	
			For 4" Or 6" WG (Class A), Add	23.83	
			For 10" WG (Class A), Add	34.25	
			For Work In Restricted Working Space, Add	22.34	
23 31	13 13-0844	LF	6" x 14", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	94.65	49.64
			For 3" WG (Class B), Add	12.41	
			For 4" Or 6" WG (Class A), Add	26.48	
			For 10" WG (Class A), Add	38.06	
			For Work In Restricted Working Space, Add	24.82	
23 31	13 13-0845	LF	6" x 16", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	104.12	54.61
			For 3" WG (Class B), Add	13.65	
			For 4" Or 6" WG (Class A), Add	29.13	
			For 10" WG (Class A), Add	41.87	
			For Work In Restricted Working Space, Add	27.31	
23 31	13 13-0846	LF	8" x 8", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	75.73	39.72
			For 3" WG (Class B), Add	9.93	
			For 4" Or 6" WG (Class A), Add	21.18	
			For 10" WG (Class A), Add	30.45	
			For Work In Restricted Working Space, Add	19.86	
23 31	13 13-0847	LF	8" x 10", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	85.18	44.68
			For 3" WG (Class B), Add	11.17	
			For 4" Or 6" WG (Class A), Add	23.83	
			For 10" WG (Class A), Add	34.25	
			For Work In Restricted Working Space, Add	22.34	
23 31	13 13-0848	LF	8" x 12", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	94.65	49.64
			For 3" WG (Class B), Add	12.41	
			For 4" Or 6" WG (Class A), Add	26.48	
			For 10" WG (Class A), Add	38.06	
			For Work In Restricted Working Space, Add	24.82	
23 31	13 13-0849	LF	8" x 14", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	104.12	54.61
			For 3" WG (Class B), Add	13.65	
			For 4" Or 6" WG (Class A), Add	29.13	
			For 10" WG (Class A), Add	41.87	
			For Work In Restricted Working Space, Add	27.31	
23 31	13 13-0850	LF	8" x 16", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	113.57	59.57
			For 3" WG (Class B), Add	14.89	
			For 4" Or 6" WG (Class A), Add	31.77	
			For 10" WG (Class A), Add	45.67	
			For Work In Restricted Working Space, Add	29.78	
23 31	13 13-0851	LF	8" x 18", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	123.04	64.53
			For 3" WG (Class B), Add	16.13	
			For 4" Or 6" WG (Class A), Add	34.42	
			For 10" WG (Class A), Add	49.47	
			For Work In Restricted Working Space, Add	32.27	
23 31	13 13-0852	LF	8" x 20", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	132.50	69.50
			For 3" WG (Class B), Add	17.37	
			For 4" Or 6" WG (Class A), Add	37.06	
			For 10" WG (Class A), Add	53.28	
			For Work In Restricted Working Space, Add	34.75	
23 31	13 13-0853	LF	8" x 22", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	141.97	74.46
			For 3" WG (Class B), Add	18.62	
			For 4" Or 6" WG (Class A), Add	39.71	
			For 10" WG (Class A), Add	57.09	
			For Work In Restricted Working Space, Add	37.23	
23 31	13 13-0854	LF	8" x 24", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	151.43	79.43
			For 3" WG (Class B), Add	19.86	
			For 4" Or 6" WG (Class A), Add	42.36	
			For 10" WG (Class A), Add	60.89	
			For Work In Restricted Working Space, Add	39.71	
23 31	13 13-0855	LF	10" x 10", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	94.65	49.64
			For 3" WG (Class B), Add	12.41	
			For 4" Or 6" WG (Class A), Add	26.48	
			For 10" WG (Class A), Add	38.06	
			For Work In Restricted Working Space, Add	24.82	
23 31	13 13-0856	LF	10" x 12", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	104.12	54.61
			For 3" WG (Class B), Add	13.65	
			For 4" Or 6" WG (Class A), Add	29.13	
			For 10" WG (Class A), Add	41.87	
			For Work In Restricted Working Space, Add	27.31	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0857	LF	10" x 14", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	.....	113.57	59.57
		For 3" WG (Class B), Add		14.89	
		For 4" Or 6" WG (Class A), Add		31.77	
		For 10" WG (Class A), Add		45.67	
		For Work In Restricted Working Space, Add		29.78	
23 31 13 13-0858	LF	10" x 16", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	.....	123.04	64.53
		For 3" WG (Class B), Add		16.13	
		For 4" Or 6" WG (Class A), Add		34.42	
		For 10" WG (Class A), Add		49.47	
		For Work In Restricted Working Space, Add		32.27	
23 31 13 13-0859	LF	10" x 18", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	.....	132.50	69.50
		For 3" WG (Class B), Add		17.37	
		For 4" Or 6" WG (Class A), Add		37.06	
		For 10" WG (Class A), Add		53.28	
		For Work In Restricted Working Space, Add		34.75	
23 31 13 13-0860	LF	10" x 20", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	.....	141.97	74.46
		For 3" WG (Class B), Add		18.62	
		For 4" Or 6" WG (Class A), Add		39.71	
		For 10" WG (Class A), Add		57.09	
		For Work In Restricted Working Space, Add		37.23	
23 31 13 13-0861	LF	10" x 22", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	.....	151.43	79.43
		For 3" WG (Class B), Add		19.86	
		For 4" Or 6" WG (Class A), Add		42.36	
		For 10" WG (Class A), Add		60.89	
		For Work In Restricted Working Space, Add		39.71	
23 31 13 13-0862	LF	10" x 24", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	.....	160.89	84.40
		For 3" WG (Class B), Add		21.10	
		For 4" Or 6" WG (Class A), Add		45.01	
		For 10" WG (Class A), Add		64.70	
		For Work In Restricted Working Space, Add		42.20	
23 31 13 13-0863	LF	10" x 26", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	.....	170.37	89.36
		For 3" WG (Class B), Add		22.34	
		For 4" Or 6" WG (Class A), Add		47.65	
		For 10" WG (Class A), Add		68.50	
		For Work In Restricted Working Space, Add		44.68	
23 31 13 13-0864	LF	10" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	.....	179.84	94.33
		For 3" WG (Class B), Add		23.58	
		For 4" Or 6" WG (Class A), Add		50.30	
		For 10" WG (Class A), Add		72.31	
		For Work In Restricted Working Space, Add		47.16	
23 31 13 13-0865	LF	10" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	.....	189.30	99.28
		For 3" WG (Class B), Add		24.82	
		For 4" Or 6" WG (Class A), Add		52.95	
		For 10" WG (Class A), Add		76.12	
		For Work In Restricted Working Space, Add		49.64	
23 31 13 13-0866	LF	10" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	.....	198.75	104.24
		For 3" WG (Class B), Add		26.06	
		For 4" Or 6" WG (Class A), Add		55.60	
		For 10" WG (Class A), Add		79.92	
		For Work In Restricted Working Space, Add		52.12	
23 31 13 13-0867	LF	12" x 12", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	.....	113.57	59.57
		For 3" WG (Class B), Add		14.89	
		For 4" Or 6" WG (Class A), Add		31.77	
		For 10" WG (Class A), Add		45.67	
		For Work In Restricted Working Space, Add		29.78	
23 31 13 13-0868	LF	12" x 14", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	.....	123.04	64.53
		For 3" WG (Class B), Add		16.13	
		For 4" Or 6" WG (Class A), Add		34.42	
		For 10" WG (Class A), Add		49.47	
		For Work In Restricted Working Space, Add		32.27	
23 31 13 13-0869	LF	12" x 16", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	.....	132.50	69.50
		For 3" WG (Class B), Add		17.37	
		For 4" Or 6" WG (Class A), Add		37.06	
		For 10" WG (Class A), Add		53.28	
		For Work In Restricted Working Space, Add		34.75	
23 31 13 13-0870	LF	12" x 18", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	.....	141.97	74.46
		For 3" WG (Class B), Add		18.62	
		For 4" Or 6" WG (Class A), Add		39.71	
		For 10" WG (Class A), Add		57.09	
		For Work In Restricted Working Space, Add		37.23	
23 31 13 13-0871	LF	12" x 20", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	.....	151.43	79.43
		For 3" WG (Class B), Add		19.86	
		For 4" Or 6" WG (Class A), Add		42.36	
		For 10" WG (Class A), Add		60.89	
		For Work In Restricted Working Space, Add		39.71	
23 31 13 13-0872	LF	12" x 22", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	.....	160.89	84.40
		For 3" WG (Class B), Add		21.10	
		For 4" Or 6" WG (Class A), Add		45.01	
		For 10" WG (Class A), Add		64.70	
		For Work In Restricted Working Space, Add		42.20	
23 31 13 13-0873	LF	12" x 24", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	.....	170.37	89.36
		For 3" WG (Class B), Add		22.34	
		For 4" Or 6" WG (Class A), Add		47.65	
		For 10" WG (Class A), Add		68.50	
		For Work In Restricted Working Space, Add		44.68	
23 31 13 13-0874	LF	12" x 26", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	.....	179.84	94.33
		For 3" WG (Class B), Add		23.58	
		For 4" Or 6" WG (Class A), Add		50.30	
		For 10" WG (Class A), Add		72.31	
		For Work In Restricted Working Space, Add		47.16	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 31 HVAC Ducts and Casings**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13 13-0875	LF	12" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	189.30	99.28
			<i>For 3" WG (Class B), Add</i>	24.82	
			<i>For 4" Or 6" WG (Class A), Add</i>	52.95	
			<i>For 10" WG (Class A), Add</i>	76.12	
			<i>For Work In Restricted Working Space, Add</i>	49.64	
23 31	13 13-0876	LF	12" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	198.75	104.24
			<i>For 3" WG (Class B), Add</i>	26.06	
			<i>For 4" Or 6" WG (Class A), Add</i>	55.60	
			<i>For 10" WG (Class A), Add</i>	79.92	
			<i>For Work In Restricted Working Space, Add</i>	52.12	
23 31	13 13-0877	LF	12" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	208.21	109.21
			<i>For 3" WG (Class B), Add</i>	27.30	
			<i>For 4" Or 6" WG (Class A), Add</i>	58.24	
			<i>For 10" WG (Class A), Add</i>	83.72	
			<i>For Work In Restricted Working Space, Add</i>	54.60	
23 31	13 13-0878	LF	12" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	217.70	114.17
			<i>For 3" WG (Class B), Add</i>	28.54	
			<i>For 4" Or 6" WG (Class A), Add</i>	60.89	
			<i>For 10" WG (Class A), Add</i>	87.53	
			<i>For Work In Restricted Working Space, Add</i>	57.09	
23 31	13 13-0879	LF	12" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	227.16	119.13
			<i>For 3" WG (Class B), Add</i>	29.79	
			<i>For 4" Or 6" WG (Class A), Add</i>	63.54	
			<i>For 10" WG (Class A), Add</i>	91.34	
			<i>For Work In Restricted Working Space, Add</i>	59.57	
23 31	13 13-0880	LF	14" x 14", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	132.50	69.50
			<i>For 3" WG (Class B), Add</i>	17.37	
			<i>For 4" Or 6" WG (Class A), Add</i>	37.06	
			<i>For 10" WG (Class A), Add</i>	53.28	
			<i>For Work In Restricted Working Space, Add</i>	34.75	
23 31	13 13-0881	LF	14" x 16", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	141.97	74.46
			<i>For 3" WG (Class B), Add</i>	18.62	
			<i>For 4" Or 6" WG (Class A), Add</i>	39.71	
			<i>For 10" WG (Class A), Add</i>	57.09	
			<i>For Work In Restricted Working Space, Add</i>	37.23	
23 31	13 13-0882	LF	14" x 18", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	151.43	79.43
			<i>For 3" WG (Class B), Add</i>	19.86	
			<i>For 4" Or 6" WG (Class A), Add</i>	42.36	
			<i>For 10" WG (Class A), Add</i>	60.89	
			<i>For Work In Restricted Working Space, Add</i>	39.71	
23 31	13 13-0883	LF	14" x 20", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	160.89	84.40
			<i>For 3" WG (Class B), Add</i>	21.10	
			<i>For 4" Or 6" WG (Class A), Add</i>	45.01	
			<i>For 10" WG (Class A), Add</i>	64.70	
			<i>For Work In Restricted Working Space, Add</i>	42.20	
23 31	13 13-0884	LF	14" x 22", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	170.37	89.36
			<i>For 3" WG (Class B), Add</i>	22.34	
			<i>For 4" Or 6" WG (Class A), Add</i>	47.65	
			<i>For 10" WG (Class A), Add</i>	68.50	
			<i>For Work In Restricted Working Space, Add</i>	44.68	
23 31	13 13-0885	LF	14" x 24", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	179.84	94.33
			<i>For 3" WG (Class B), Add</i>	23.58	
			<i>For 4" Or 6" WG (Class A), Add</i>	50.30	
			<i>For 10" WG (Class A), Add</i>	72.31	
			<i>For Work In Restricted Working Space, Add</i>	47.16	
23 31	13 13-0886	LF	14" x 26", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	189.30	99.28
			<i>For 3" WG (Class B), Add</i>	24.82	
			<i>For 4" Or 6" WG (Class A), Add</i>	52.95	
			<i>For 10" WG (Class A), Add</i>	76.12	
			<i>For Work In Restricted Working Space, Add</i>	49.64	
23 31	13 13-0887	LF	14" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	198.75	104.24
			<i>For 3" WG (Class B), Add</i>	26.06	
			<i>For 4" Or 6" WG (Class A), Add</i>	55.60	
			<i>For 10" WG (Class A), Add</i>	79.92	
			<i>For Work In Restricted Working Space, Add</i>	52.12	
23 31	13 13-0888	LF	14" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	208.21	109.21
			<i>For 3" WG (Class B), Add</i>	27.30	
			<i>For 4" Or 6" WG (Class A), Add</i>	58.24	
			<i>For 10" WG (Class A), Add</i>	83.72	
			<i>For Work In Restricted Working Space, Add</i>	54.60	
23 31	13 13-0889	LF	14" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	217.70	114.17
			<i>For 3" WG (Class B), Add</i>	28.54	
			<i>For 4" Or 6" WG (Class A), Add</i>	60.89	
			<i>For 10" WG (Class A), Add</i>	87.53	
			<i>For Work In Restricted Working Space, Add</i>	57.09	
23 31	13 13-0890	LF	14" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	227.16	119.13
			<i>For 3" WG (Class B), Add</i>	29.79	
			<i>For 4" Or 6" WG (Class A), Add</i>	63.54	
			<i>For 10" WG (Class A), Add</i>	91.34	
			<i>For Work In Restricted Working Space, Add</i>	59.57	
23 31	13 13-0891	LF	14" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	236.62	124.10
			<i>For 3" WG (Class B), Add</i>	31.03	
			<i>For 4" Or 6" WG (Class A), Add</i>	66.19	
			<i>For 10" WG (Class A), Add</i>	95.15	
			<i>For Work In Restricted Working Space, Add</i>	62.05	
23 31	13 13-0892	LF	16" x 16", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	151.43	79.43
			<i>For 3" WG (Class B), Add</i>	19.86	
			<i>For 4" Or 6" WG (Class A), Add</i>	42.36	
			<i>For 10" WG (Class A), Add</i>	60.89	
			<i>For Work In Restricted Working Space, Add</i>	39.71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0893	LF		16" x 18", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	160.89	84.40
			For 3" WG (Class B), Add	21.10	
			For 4" Or 6" WG (Class A), Add	45.01	
			For 10" WG (Class A), Add	64.70	
			For Work In Restricted Working Space, Add	42.20	
23 31 13 13-0894	LF		16" x 20", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	170.37	89.36
			For 3" WG (Class B), Add	22.34	
			For 4" Or 6" WG (Class A), Add	47.65	
			For 10" WG (Class A), Add	68.50	
			For Work In Restricted Working Space, Add	44.68	
23 31 13 13-0895	LF		16" x 22", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	179.84	94.33
			For 3" WG (Class B), Add	23.58	
			For 4" Or 6" WG (Class A), Add	50.30	
			For 10" WG (Class A), Add	72.31	
			For Work In Restricted Working Space, Add	47.16	
23 31 13 13-0896	LF		16" x 24", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	189.30	99.28
			For 3" WG (Class B), Add	24.82	
			For 4" Or 6" WG (Class A), Add	52.95	
			For 10" WG (Class A), Add	76.12	
			For Work In Restricted Working Space, Add	49.64	
23 31 13 13-0897	LF		16" x 26", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	198.75	104.24
			For 3" WG (Class B), Add	26.06	
			For 4" Or 6" WG (Class A), Add	55.60	
			For 10" WG (Class A), Add	79.92	
			For Work In Restricted Working Space, Add	52.12	
23 31 13 13-0898	LF		16" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	208.21	109.21
			For 3" WG (Class B), Add	27.30	
			For 4" Or 6" WG (Class A), Add	58.24	
			For 10" WG (Class A), Add	83.72	
			For Work In Restricted Working Space, Add	54.60	
23 31 13 13-0899	LF		16" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	217.70	114.17
			For 3" WG (Class B), Add	28.54	
			For 4" Or 6" WG (Class A), Add	60.89	
			For 10" WG (Class A), Add	87.53	
			For Work In Restricted Working Space, Add	57.09	
23 31 13 13-0900	LF		16" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	227.16	119.13
			For 3" WG (Class B), Add	29.79	
			For 4" Or 6" WG (Class A), Add	63.54	
			For 10" WG (Class A), Add	91.34	
			For Work In Restricted Working Space, Add	59.57	
23 31 13 13-0901	LF		16" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	236.62	124.10
			For 3" WG (Class B), Add	31.03	
			For 4" Or 6" WG (Class A), Add	66.19	
			For 10" WG (Class A), Add	95.15	
			For Work In Restricted Working Space, Add	62.05	
23 31 13 13-0902	LF		16" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	246.08	129.06
			For 3" WG (Class B), Add	32.27	
			For 4" Or 6" WG (Class A), Add	68.84	
			For 10" WG (Class A), Add	98.95	
			For Work In Restricted Working Space, Add	64.53	
23 31 13 13-0903	LF		16" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	255.55	134.02
			For 3" WG (Class B), Add	33.51	
			For 4" Or 6" WG (Class A), Add	71.48	
			For 10" WG (Class A), Add	102.76	
			For Work In Restricted Working Space, Add	67.02	
23 31 13 13-0904	LF		16" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	265.02	139.00
			For 3" WG (Class B), Add	34.75	
			For 4" Or 6" WG (Class A), Add	74.13	
			For 10" WG (Class A), Add	106.56	
			For Work In Restricted Working Space, Add	69.50	
23 31 13 13-0905	LF		16" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	274.48	143.96
			For 3" WG (Class B), Add	35.99	
			For 4" Or 6" WG (Class A), Add	76.78	
			For 10" WG (Class A), Add	110.37	
			For Work In Restricted Working Space, Add	71.98	
23 31 13 13-0906	LF		16" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	283.95	148.92
			For 3" WG (Class B), Add	37.23	
			For 4" Or 6" WG (Class A), Add	79.43	
			For 10" WG (Class A), Add	114.18	
			For Work In Restricted Working Space, Add	74.46	
23 31 13 13-0907	LF		18" x 18", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	170.37	89.36
			For 3" WG (Class B), Add	22.34	
			For 4" Or 6" WG (Class A), Add	47.65	
			For 10" WG (Class A), Add	68.50	
			For Work In Restricted Working Space, Add	44.68	
23 31 13 13-0908	LF		18" x 20", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	179.84	94.33
			For 3" WG (Class B), Add	23.58	
			For 4" Or 6" WG (Class A), Add	50.30	
			For 10" WG (Class A), Add	72.31	
			For Work In Restricted Working Space, Add	47.16	
23 31 13 13-0909	LF		18" x 22", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	189.30	99.28
			For 3" WG (Class B), Add	24.82	
			For 4" Or 6" WG (Class A), Add	52.95	
			For 10" WG (Class A), Add	76.12	
			For Work In Restricted Working Space, Add	49.64	
23 31 13 13-0910	LF		18" x 24", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	198.75	104.24
			For 3" WG (Class B), Add	26.06	
			For 4" Or 6" WG (Class A), Add	55.60	
			For 10" WG (Class A), Add	79.92	
			For Work In Restricted Working Space, Add	52.12	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 31 HVAC Ducts and Casings**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13 13-0911	LF	18" x 26", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	208.21	109.21
			<i>For 3" WG (Class B), Add</i>	27.30	
			<i>For 4" Or 6" WG (Class A), Add</i>	58.24	
			<i>For 10" WG (Class A), Add</i>	83.72	
			<i>For Work In Restricted Working Space, Add</i>	54.60	
23 31	13 13-0912	LF	18" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	217.70	114.17
			<i>For 3" WG (Class B), Add</i>	28.54	
			<i>For 4" Or 6" WG (Class A), Add</i>	60.89	
			<i>For 10" WG (Class A), Add</i>	87.53	
			<i>For Work In Restricted Working Space, Add</i>	57.09	
23 31	13 13-0913	LF	18" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	227.16	119.13
			<i>For 3" WG (Class B), Add</i>	29.79	
			<i>For 4" Or 6" WG (Class A), Add</i>	63.54	
			<i>For 10" WG (Class A), Add</i>	91.34	
			<i>For Work In Restricted Working Space, Add</i>	59.57	
23 31	13 13-0914	LF	18" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	236.62	124.10
			<i>For 3" WG (Class B), Add</i>	31.03	
			<i>For 4" Or 6" WG (Class A), Add</i>	66.19	
			<i>For 10" WG (Class A), Add</i>	95.15	
			<i>For Work In Restricted Working Space, Add</i>	62.05	
23 31	13 13-0915	LF	18" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	246.08	129.06
			<i>For 3" WG (Class B), Add</i>	32.27	
			<i>For 4" Or 6" WG (Class A), Add</i>	68.84	
			<i>For 10" WG (Class A), Add</i>	98.95	
			<i>For Work In Restricted Working Space, Add</i>	64.53	
23 31	13 13-0916	LF	18" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	255.55	134.02
			<i>For 3" WG (Class B), Add</i>	33.51	
			<i>For 4" Or 6" WG (Class A), Add</i>	71.48	
			<i>For 10" WG (Class A), Add</i>	102.76	
			<i>For Work In Restricted Working Space, Add</i>	67.02	
23 31	13 13-0917	LF	18" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	265.02	139.00
			<i>For 3" WG (Class B), Add</i>	34.75	
			<i>For 4" Or 6" WG (Class A), Add</i>	74.13	
			<i>For 10" WG (Class A), Add</i>	106.56	
			<i>For Work In Restricted Working Space, Add</i>	69.50	
23 31	13 13-0918	LF	18" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	274.48	143.96
			<i>For 3" WG (Class B), Add</i>	35.99	
			<i>For 4" Or 6" WG (Class A), Add</i>	76.78	
			<i>For 10" WG (Class A), Add</i>	110.37	
			<i>For Work In Restricted Working Space, Add</i>	71.98	
23 31	13 13-0919	LF	18" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	283.95	148.92
			<i>For 3" WG (Class B), Add</i>	37.23	
			<i>For 4" Or 6" WG (Class A), Add</i>	79.43	
			<i>For 10" WG (Class A), Add</i>	114.18	
			<i>For Work In Restricted Working Space, Add</i>	74.46	
23 31	13 13-0920	LF	18" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	293.42	153.89
			<i>For 3" WG (Class B), Add</i>	38.47	
			<i>For 4" Or 6" WG (Class A), Add</i>	82.08	
			<i>For 10" WG (Class A), Add</i>	117.99	
			<i>For Work In Restricted Working Space, Add</i>	76.95	
23 31	13 13-0921	LF	18" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	302.89	158.85
			<i>For 3" WG (Class B), Add</i>	39.71	
			<i>For 4" Or 6" WG (Class A), Add</i>	84.72	
			<i>For 10" WG (Class A), Add</i>	121.79	
			<i>For Work In Restricted Working Space, Add</i>	79.43	
23 31	13 13-0922	LF	20" x 20", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	189.30	99.28
			<i>For 3" WG (Class B), Add</i>	24.82	
			<i>For 4" Or 6" WG (Class A), Add</i>	52.95	
			<i>For 10" WG (Class A), Add</i>	76.12	
			<i>For Work In Restricted Working Space, Add</i>	49.64	
23 31	13 13-0923	LF	20" x 22", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	198.75	104.24
			<i>For 3" WG (Class B), Add</i>	26.06	
			<i>For 4" Or 6" WG (Class A), Add</i>	55.60	
			<i>For 10" WG (Class A), Add</i>	79.92	
			<i>For Work In Restricted Working Space, Add</i>	52.12	
23 31	13 13-0924	LF	20" x 24", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	208.21	109.21
			<i>For 3" WG (Class B), Add</i>	27.30	
			<i>For 4" Or 6" WG (Class A), Add</i>	58.24	
			<i>For 10" WG (Class A), Add</i>	83.72	
			<i>For Work In Restricted Working Space, Add</i>	54.60	
23 31	13 13-0925	LF	20" x 26", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	217.70	114.17
			<i>For 3" WG (Class B), Add</i>	28.54	
			<i>For 4" Or 6" WG (Class A), Add</i>	60.89	
			<i>For 10" WG (Class A), Add</i>	87.53	
			<i>For Work In Restricted Working Space, Add</i>	57.09	
23 31	13 13-0926	LF	20" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	227.16	119.13
			<i>For 3" WG (Class B), Add</i>	29.79	
			<i>For 4" Or 6" WG (Class A), Add</i>	63.54	
			<i>For 10" WG (Class A), Add</i>	91.34	
			<i>For Work In Restricted Working Space, Add</i>	59.57	
23 31	13 13-0927	LF	20" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	236.62	124.10
			<i>For 3" WG (Class B), Add</i>	31.03	
			<i>For 4" Or 6" WG (Class A), Add</i>	66.19	
			<i>For 10" WG (Class A), Add</i>	95.15	
			<i>For Work In Restricted Working Space, Add</i>	62.05	
23 31	13 13-0928	LF	20" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	246.08	129.06
			<i>For 3" WG (Class B), Add</i>	32.27	
			<i>For 4" Or 6" WG (Class A), Add</i>	68.84	
			<i>For 10" WG (Class A), Add</i>	98.95	
			<i>For Work In Restricted Working Space, Add</i>	64.53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0929	LF	20" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	255.55	134.02	
		For 3" WG (Class B), Add	33.51		
		For 4" Or 6" WG (Class A), Add	71.48		
		For 10" WG (Class A), Add	102.76		
		For Work In Restricted Working Space, Add	67.02		
23 31 13 13-0930	LF	20" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	265.02	139.00	
		For 3" WG (Class B), Add	34.75		
		For 4" Or 6" WG (Class A), Add	74.13		
		For 10" WG (Class A), Add	106.56		
		For Work In Restricted Working Space, Add	69.50		
23 31 13 13-0931	LF	20" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	274.48	143.96	
		For 3" WG (Class B), Add	35.99		
		For 4" Or 6" WG (Class A), Add	76.78		
		For 10" WG (Class A), Add	110.37		
		For Work In Restricted Working Space, Add	71.98		
23 31 13 13-0932	LF	20" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	283.95	148.92	
		For 3" WG (Class B), Add	37.23		
		For 4" Or 6" WG (Class A), Add	79.43		
		For 10" WG (Class A), Add	114.18		
		For Work In Restricted Working Space, Add	74.46		
23 31 13 13-0933	LF	20" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	293.42	153.89	
		For 3" WG (Class B), Add	38.47		
		For 4" Or 6" WG (Class A), Add	82.08		
		For 10" WG (Class A), Add	117.99		
		For Work In Restricted Working Space, Add	76.95		
23 31 13 13-0934	LF	20" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	302.89	158.85	
		For 3" WG (Class B), Add	39.71		
		For 4" Or 6" WG (Class A), Add	84.72		
		For 10" WG (Class A), Add	121.79		
		For Work In Restricted Working Space, Add	79.43		
23 31 13 13-0935	LF	20" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	312.35	163.81	
		For 3" WG (Class B), Add	40.95		
		For 4" Or 6" WG (Class A), Add	87.37		
		For 10" WG (Class A), Add	125.59		
		For Work In Restricted Working Space, Add	81.91		
23 31 13 13-0936	LF	20" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	321.81	168.78	
		For 3" WG (Class B), Add	42.20		
		For 4" Or 6" WG (Class A), Add	90.02		
		For 10" WG (Class A), Add	129.40		
		For Work In Restricted Working Space, Add	84.39		
23 31 13 13-0937	LF	22" x 22", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	208.21	109.21	
		For 3" WG (Class B), Add	27.30		
		For 4" Or 6" WG (Class A), Add	58.24		
		For 10" WG (Class A), Add	83.72		
		For Work In Restricted Working Space, Add	54.60		
23 31 13 13-0938	LF	22" x 24", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	217.70	114.17	
		For 3" WG (Class B), Add	28.54		
		For 4" Or 6" WG (Class A), Add	60.89		
		For 10" WG (Class A), Add	87.53		
		For Work In Restricted Working Space, Add	57.09		
23 31 13 13-0939	LF	22" x 26", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	227.16	119.13	
		For 3" WG (Class B), Add	29.79		
		For 4" Or 6" WG (Class A), Add	63.54		
		For 10" WG (Class A), Add	91.34		
		For Work In Restricted Working Space, Add	59.57		
23 31 13 13-0940	LF	22" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	236.62	124.10	
		For 3" WG (Class B), Add	31.03		
		For 4" Or 6" WG (Class A), Add	66.19		
		For 10" WG (Class A), Add	95.15		
		For Work In Restricted Working Space, Add	62.05		
23 31 13 13-0941	LF	22" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	246.08	129.06	
		For 3" WG (Class B), Add	32.27		
		For 4" Or 6" WG (Class A), Add	68.84		
		For 10" WG (Class A), Add	98.95		
		For Work In Restricted Working Space, Add	64.53		
23 31 13 13-0942	LF	22" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	255.55	134.02	
		For 3" WG (Class B), Add	33.51		
		For 4" Or 6" WG (Class A), Add	71.48		
		For 10" WG (Class A), Add	102.76		
		For Work In Restricted Working Space, Add	67.02		
23 31 13 13-0943	LF	22" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	265.02	139.00	
		For 3" WG (Class B), Add	34.75		
		For 4" Or 6" WG (Class A), Add	74.13		
		For 10" WG (Class A), Add	106.56		
		For Work In Restricted Working Space, Add	69.50		
23 31 13 13-0944	LF	22" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	274.48	143.96	
		For 3" WG (Class B), Add	35.99		
		For 4" Or 6" WG (Class A), Add	76.78		
		For 10" WG (Class A), Add	110.37		
		For Work In Restricted Working Space, Add	71.98		
23 31 13 13-0945	LF	22" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	283.95	148.92	
		For 3" WG (Class B), Add	37.23		
		For 4" Or 6" WG (Class A), Add	79.43		
		For 10" WG (Class A), Add	114.18		
		For Work In Restricted Working Space, Add	74.46		
23 31 13 13-0946	LF	22" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	293.42	153.89	
		For 3" WG (Class B), Add	38.47		
		For 4" Or 6" WG (Class A), Add	82.08		
		For 10" WG (Class A), Add	117.99		
		For Work In Restricted Working Space, Add	76.95		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 31 HVAC Ducts and Casings**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13 13-0947	LF	22" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	302.89	158.85
			<i>For 3" WG (Class B), Add</i>	39.71	
			<i>For 4" Or 6" WG (Class A), Add</i>	84.72	
			<i>For 10" WG (Class A), Add</i>	121.79	
			<i>For Work In Restricted Working Space, Add</i>	79.43	
23 31	13 13-0948	LF	22" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	312.35	163.81
			<i>For 3" WG (Class B), Add</i>	40.95	
			<i>For 4" Or 6" WG (Class A), Add</i>	87.37	
			<i>For 10" WG (Class A), Add</i>	125.59	
			<i>For Work In Restricted Working Space, Add</i>	81.91	
23 31	13 13-0949	LF	22" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	321.81	168.78
			<i>For 3" WG (Class B), Add</i>	42.20	
			<i>For 4" Or 6" WG (Class A), Add</i>	90.02	
			<i>For 10" WG (Class A), Add</i>	129.40	
			<i>For Work In Restricted Working Space, Add</i>	84.39	
23 31	13 13-0950	LF	22" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	331.26	173.74
			<i>For 3" WG (Class B), Add</i>	43.44	
			<i>For 4" Or 6" WG (Class A), Add</i>	92.66	
			<i>For 10" WG (Class A), Add</i>	133.20	
			<i>For Work In Restricted Working Space, Add</i>	86.87	
23 31	13 13-0951	LF	24" x 24", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	227.16	119.13
			<i>For 3" WG (Class B), Add</i>	29.79	
			<i>For 4" Or 6" WG (Class A), Add</i>	63.54	
			<i>For 10" WG (Class A), Add</i>	91.34	
			<i>For Work In Restricted Working Space, Add</i>	59.57	
23 31	13 13-0952	LF	24" x 26", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	236.62	124.10
			<i>For 3" WG (Class B), Add</i>	31.03	
			<i>For 4" Or 6" WG (Class A), Add</i>	66.19	
			<i>For 10" WG (Class A), Add</i>	95.15	
			<i>For Work In Restricted Working Space, Add</i>	62.05	
23 31	13 13-0953	LF	24" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	246.08	129.06
			<i>For 3" WG (Class B), Add</i>	32.27	
			<i>For 4" Or 6" WG (Class A), Add</i>	68.84	
			<i>For 10" WG (Class A), Add</i>	98.95	
			<i>For Work In Restricted Working Space, Add</i>	64.53	
23 31	13 13-0954	LF	24" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	255.55	134.02
			<i>For 3" WG (Class B), Add</i>	33.51	
			<i>For 4" Or 6" WG (Class A), Add</i>	71.48	
			<i>For 10" WG (Class A), Add</i>	102.76	
			<i>For Work In Restricted Working Space, Add</i>	67.02	
23 31	13 13-0955	LF	24" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	265.02	139.00
			<i>For 3" WG (Class B), Add</i>	34.75	
			<i>For 4" Or 6" WG (Class A), Add</i>	74.13	
			<i>For 10" WG (Class A), Add</i>	106.56	
			<i>For Work In Restricted Working Space, Add</i>	69.50	
23 31	13 13-0956	LF	24" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	274.48	143.96
			<i>For 3" WG (Class B), Add</i>	35.99	
			<i>For 4" Or 6" WG (Class A), Add</i>	76.78	
			<i>For 10" WG (Class A), Add</i>	110.37	
			<i>For Work In Restricted Working Space, Add</i>	71.98	
23 31	13 13-0957	LF	24" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	283.95	148.92
			<i>For 3" WG (Class B), Add</i>	37.23	
			<i>For 4" Or 6" WG (Class A), Add</i>	79.43	
			<i>For 10" WG (Class A), Add</i>	114.18	
			<i>For Work In Restricted Working Space, Add</i>	74.46	
23 31	13 13-0958	LF	24" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	293.42	153.89
			<i>For 3" WG (Class B), Add</i>	38.47	
			<i>For 4" Or 6" WG (Class A), Add</i>	82.08	
			<i>For 10" WG (Class A), Add</i>	117.99	
			<i>For Work In Restricted Working Space, Add</i>	76.95	
23 31	13 13-0959	LF	24" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	302.89	158.85
			<i>For 3" WG (Class B), Add</i>	39.71	
			<i>For 4" Or 6" WG (Class A), Add</i>	84.72	
			<i>For 10" WG (Class A), Add</i>	121.79	
			<i>For Work In Restricted Working Space, Add</i>	79.43	
23 31	13 13-0960	LF	24" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	312.35	163.81
			<i>For 3" WG (Class B), Add</i>	40.95	
			<i>For 4" Or 6" WG (Class A), Add</i>	87.37	
			<i>For 10" WG (Class A), Add</i>	125.59	
			<i>For Work In Restricted Working Space, Add</i>	81.91	
23 31	13 13-0961	LF	24" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	321.81	168.78
			<i>For 3" WG (Class B), Add</i>	42.20	
			<i>For 4" Or 6" WG (Class A), Add</i>	90.02	
			<i>For 10" WG (Class A), Add</i>	129.40	
			<i>For Work In Restricted Working Space, Add</i>	84.39	
23 31	13 13-0962	LF	24" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	331.26	173.74
			<i>For 3" WG (Class B), Add</i>	43.44	
			<i>For 4" Or 6" WG (Class A), Add</i>	92.66	
			<i>For 10" WG (Class A), Add</i>	133.20	
			<i>For Work In Restricted Working Space, Add</i>	86.87	
23 31	13 13-0963	LF	24" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	340.72	178.70
			<i>For 3" WG (Class B), Add</i>	44.68	
			<i>For 4" Or 6" WG (Class A), Add</i>	95.31	
			<i>For 10" WG (Class A), Add</i>	137.01	
			<i>For Work In Restricted Working Space, Add</i>	89.35	
23 31	13 13-0964	LF	26" x 26", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	246.08	129.06
			<i>For 3" WG (Class B), Add</i>	32.27	
			<i>For 4" Or 6" WG (Class A), Add</i>	68.84	
			<i>For 10" WG (Class A), Add</i>	98.95	
			<i>For Work In Restricted Working Space, Add</i>	64.53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0965	LF	26" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	255.55	134.02	
		For 3" WG (Class B), Add	33.51		
		For 4" Or 6" WG (Class A), Add	71.48		
		For 10" WG (Class A), Add	102.76		
		For Work In Restricted Working Space, Add	67.02		
23 31 13 13-0966	LF	26" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	265.02	139.00	
		For 3" WG (Class B), Add	34.75		
		For 4" Or 6" WG (Class A), Add	74.13		
		For 10" WG (Class A), Add	106.56		
		For Work In Restricted Working Space, Add	69.50		
23 31 13 13-0967	LF	26" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	274.48	143.96	
		For 3" WG (Class B), Add	35.99		
		For 4" Or 6" WG (Class A), Add	76.78		
		For 10" WG (Class A), Add	110.37		
		For Work In Restricted Working Space, Add	71.98		
23 31 13 13-0968	LF	26" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	283.95	148.92	
		For 3" WG (Class B), Add	37.23		
		For 4" Or 6" WG (Class A), Add	79.43		
		For 10" WG (Class A), Add	114.18		
		For Work In Restricted Working Space, Add	74.46		
23 31 13 13-0969	LF	26" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	293.42	153.89	
		For 3" WG (Class B), Add	38.47		
		For 4" Or 6" WG (Class A), Add	82.08		
		For 10" WG (Class A), Add	117.99		
		For Work In Restricted Working Space, Add	76.95		
23 31 13 13-0970	LF	26" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	302.89	158.85	
		For 3" WG (Class B), Add	39.71		
		For 4" Or 6" WG (Class A), Add	84.72		
		For 10" WG (Class A), Add	121.79		
		For Work In Restricted Working Space, Add	79.43		
23 31 13 13-0971	LF	26" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	312.35	163.81	
		For 3" WG (Class B), Add	40.95		
		For 4" Or 6" WG (Class A), Add	87.37		
		For 10" WG (Class A), Add	125.59		
		For Work In Restricted Working Space, Add	81.91		
23 31 13 13-0972	LF	26" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	321.81	168.78	
		For 3" WG (Class B), Add	42.20		
		For 4" Or 6" WG (Class A), Add	90.02		
		For 10" WG (Class A), Add	129.40		
		For Work In Restricted Working Space, Add	84.39		
23 31 13 13-0973	LF	26" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	331.26	173.74	
		For 3" WG (Class B), Add	43.44		
		For 4" Or 6" WG (Class A), Add	92.66		
		For 10" WG (Class A), Add	133.20		
		For Work In Restricted Working Space, Add	86.87		
23 31 13 13-0974	LF	26" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	340.72	178.70	
		For 3" WG (Class B), Add	44.68		
		For 4" Or 6" WG (Class A), Add	95.31		
		For 10" WG (Class A), Add	137.01		
		For Work In Restricted Working Space, Add	89.35		
23 31 13 13-0975	LF	26" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	350.21	183.67	
		For 3" WG (Class B), Add	45.92		
		For 4" Or 6" WG (Class A), Add	97.96		
		For 10" WG (Class A), Add	140.82		
		For Work In Restricted Working Space, Add	91.84		
23 31 13 13-0976	LF	28" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	265.02	139.00	
		For 3" WG (Class B), Add	34.75		
		For 4" Or 6" WG (Class A), Add	74.13		
		For 10" WG (Class A), Add	106.56		
		For Work In Restricted Working Space, Add	69.50		
23 31 13 13-0977	LF	28" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	274.48	143.96	
		For 3" WG (Class B), Add	35.99		
		For 4" Or 6" WG (Class A), Add	76.78		
		For 10" WG (Class A), Add	110.37		
		For Work In Restricted Working Space, Add	71.98		
23 31 13 13-0978	LF	28" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	283.95	148.92	
		For 3" WG (Class B), Add	37.23		
		For 4" Or 6" WG (Class A), Add	79.43		
		For 10" WG (Class A), Add	114.18		
		For Work In Restricted Working Space, Add	74.46		
23 31 13 13-0979	LF	28" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	293.42	153.89	
		For 3" WG (Class B), Add	38.47		
		For 4" Or 6" WG (Class A), Add	82.08		
		For 10" WG (Class A), Add	117.99		
		For Work In Restricted Working Space, Add	76.95		
23 31 13 13-0980	LF	28" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	302.89	158.85	
		For 3" WG (Class B), Add	39.71		
		For 4" Or 6" WG (Class A), Add	84.72		
		For 10" WG (Class A), Add	121.79		
		For Work In Restricted Working Space, Add	79.43		
23 31 13 13-0981	LF	28" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	312.35	163.81	
		For 3" WG (Class B), Add	40.95		
		For 4" Or 6" WG (Class A), Add	87.37		
		For 10" WG (Class A), Add	125.59		
		For Work In Restricted Working Space, Add	81.91		
23 31 13 13-0982	LF	28" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	321.81	168.78	
		For 3" WG (Class B), Add	42.20		
		For 4" Or 6" WG (Class A), Add	90.02		
		For 10" WG (Class A), Add	129.40		
		For Work In Restricted Working Space, Add	84.39		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 31 13 13-0983	LF 28" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	331.26	173.74
	For 3" WG (Class B), Add	43.44	
	For 4" Or 6" WG (Class A), Add	92.66	
	For 10" WG (Class A), Add	133.20	
	For Work In Restricted Working Space, Add	86.87	
23 31 13 13-0984	LF 28" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	340.72	178.70
	For 3" WG (Class B), Add	44.68	
	For 4" Or 6" WG (Class A), Add	95.31	
	For 10" WG (Class A), Add	137.01	
	For Work In Restricted Working Space, Add	89.35	
23 31 13 13-0985	LF 28" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	350.21	183.67
	For 3" WG (Class B), Add	45.92	
	For 4" Or 6" WG (Class A), Add	97.96	
	For 10" WG (Class A), Add	140.82	
	For Work In Restricted Working Space, Add	91.84	
23 31 13 13-0986	LF 28" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	359.66	188.63
	For 3" WG (Class B), Add	47.16	
	For 4" Or 6" WG (Class A), Add	100.60	
	For 10" WG (Class A), Add	144.62	
	For Work In Restricted Working Space, Add	94.32	
23 31 13 13-0987	LF 30" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	283.95	148.92
	For 3" WG (Class B), Add	37.23	
	For 4" Or 6" WG (Class A), Add	79.43	
	For 10" WG (Class A), Add	114.18	
	For Work In Restricted Working Space, Add	74.46	
23 31 13 13-0988	LF 30" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	293.42	153.89
	For 3" WG (Class B), Add	38.47	
	For 4" Or 6" WG (Class A), Add	82.08	
	For 10" WG (Class A), Add	117.99	
	For Work In Restricted Working Space, Add	76.95	
23 31 13 13-0989	LF 30" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	302.89	158.85
	For 3" WG (Class B), Add	39.71	
	For 4" Or 6" WG (Class A), Add	84.72	
	For 10" WG (Class A), Add	121.79	
	For Work In Restricted Working Space, Add	79.43	
23 31 13 13-0990	LF 30" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	312.35	163.81
	For 3" WG (Class B), Add	40.95	
	For 4" Or 6" WG (Class A), Add	87.37	
	For 10" WG (Class A), Add	125.59	
	For Work In Restricted Working Space, Add	81.91	
23 31 13 13-0991	LF 30" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	321.81	168.78
	For 3" WG (Class B), Add	42.20	
	For 4" Or 6" WG (Class A), Add	90.02	
	For 10" WG (Class A), Add	129.40	
	For Work In Restricted Working Space, Add	84.39	
23 31 13 13-0992	LF 30" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	331.26	173.74
	For 3" WG (Class B), Add	43.44	
	For 4" Or 6" WG (Class A), Add	92.66	
	For 10" WG (Class A), Add	133.20	
	For Work In Restricted Working Space, Add	86.87	
23 31 13 13-0993	LF 30" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	340.72	178.70
	For 3" WG (Class B), Add	44.68	
	For 4" Or 6" WG (Class A), Add	95.31	
	For 10" WG (Class A), Add	137.01	
	For Work In Restricted Working Space, Add	89.35	
23 31 13 13-0994	LF 30" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	350.21	183.67
	For 3" WG (Class B), Add	45.92	
	For 4" Or 6" WG (Class A), Add	97.96	
	For 10" WG (Class A), Add	140.82	
	For Work In Restricted Working Space, Add	91.84	
23 31 13 13-0995	LF 30" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	359.66	188.63
	For 3" WG (Class B), Add	47.16	
	For 4" Or 6" WG (Class A), Add	100.60	
	For 10" WG (Class A), Add	144.62	
	For Work In Restricted Working Space, Add	94.32	
23 31 13 13-0996	LF 30" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	369.12	193.61
	For 3" WG (Class B), Add	48.40	
	For 4" Or 6" WG (Class A), Add	103.25	
	For 10" WG (Class A), Add	148.42	
	For Work In Restricted Working Space, Add	96.80	
23 31 13 13-0997	LF 32" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	302.89	158.85
	For 3" WG (Class B), Add	39.71	
	For 4" Or 6" WG (Class A), Add	84.72	
	For 10" WG (Class A), Add	121.79	
	For Work In Restricted Working Space, Add	79.43	
23 31 13 13-0998	LF 32" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	312.35	163.81
	For 3" WG (Class B), Add	40.95	
	For 4" Or 6" WG (Class A), Add	87.37	
	For 10" WG (Class A), Add	125.59	
	For Work In Restricted Working Space, Add	81.91	
23 31 13 13-0999	LF 32" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	321.81	168.78
	For 3" WG (Class B), Add	42.20	
	For 4" Or 6" WG (Class A), Add	90.02	
	For 10" WG (Class A), Add	129.40	
	For Work In Restricted Working Space, Add	84.39	
23 31 13 13-1000	LF 32" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	331.26	173.74
	For 3" WG (Class B), Add	43.44	
	For 4" Or 6" WG (Class A), Add	92.66	
	For 10" WG (Class A), Add	133.20	
	For Work In Restricted Working Space, Add	86.87	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1001	LF		32" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	340.72	178.70
			For 3" WG (Class B), Add	44.68	
			For 4" Or 6" WG (Class A), Add	95.31	
			For 10" WG (Class A), Add	137.01	
			For Work In Restricted Working Space, Add	89.35	
23 31 13 13-1002	LF		32" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	350.21	183.67
			For 3" WG (Class B), Add	45.92	
			For 4" Or 6" WG (Class A), Add	97.96	
			For 10" WG (Class A), Add	140.82	
			For Work In Restricted Working Space, Add	91.84	
23 31 13 13-1003	LF		32" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	359.66	188.63
			For 3" WG (Class B), Add	47.16	
			For 4" Or 6" WG (Class A), Add	100.60	
			For 10" WG (Class A), Add	144.62	
			For Work In Restricted Working Space, Add	94.32	
23 31 13 13-1004	LF		32" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	369.12	193.61
			For 3" WG (Class B), Add	48.40	
			For 4" Or 6" WG (Class A), Add	103.25	
			For 10" WG (Class A), Add	148.42	
			For Work In Restricted Working Space, Add	96.80	
23 31 13 13-1005	LF		32" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	378.59	198.57
			For 3" WG (Class B), Add	49.64	
			For 4" Or 6" WG (Class A), Add	105.90	
			For 10" WG (Class A), Add	152.23	
			For Work In Restricted Working Space, Add	99.28	
23 31 13 13-1006	LF		34" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	321.81	168.78
			For 3" WG (Class B), Add	42.20	
			For 4" Or 6" WG (Class A), Add	90.02	
			For 10" WG (Class A), Add	129.40	
			For Work In Restricted Working Space, Add	84.39	
23 31 13 13-1007	LF		34" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	331.26	173.74
			For 3" WG (Class B), Add	43.44	
			For 4" Or 6" WG (Class A), Add	92.66	
			For 10" WG (Class A), Add	133.20	
			For Work In Restricted Working Space, Add	86.87	
23 31 13 13-1008	LF		34" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	340.72	178.70
			For 3" WG (Class B), Add	44.68	
			For 4" Or 6" WG (Class A), Add	95.31	
			For 10" WG (Class A), Add	137.01	
			For Work In Restricted Working Space, Add	89.35	
23 31 13 13-1009	LF		34" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	350.21	183.67
			For 3" WG (Class B), Add	45.92	
			For 4" Or 6" WG (Class A), Add	97.96	
			For 10" WG (Class A), Add	140.82	
			For Work In Restricted Working Space, Add	91.84	
23 31 13 13-1010	LF		34" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	359.66	188.63
			For 3" WG (Class B), Add	47.16	
			For 4" Or 6" WG (Class A), Add	100.60	
			For 10" WG (Class A), Add	144.62	
			For Work In Restricted Working Space, Add	94.32	
23 31 13 13-1011	LF		34" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	369.12	193.61
			For 3" WG (Class B), Add	48.40	
			For 4" Or 6" WG (Class A), Add	103.25	
			For 10" WG (Class A), Add	148.42	
			For Work In Restricted Working Space, Add	96.80	
23 31 13 13-1012	LF		34" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	378.59	198.57
			For 3" WG (Class B), Add	49.64	
			For 4" Or 6" WG (Class A), Add	105.90	
			For 10" WG (Class A), Add	152.23	
			For Work In Restricted Working Space, Add	99.28	
23 31 13 13-1013	LF		34" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	388.05	203.53
			For 3" WG (Class B), Add	50.88	
			For 4" Or 6" WG (Class A), Add	108.55	
			For 10" WG (Class A), Add	156.04	
			For Work In Restricted Working Space, Add	101.76	
23 31 13 13-1014	LF		36" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	340.72	178.70
			For 3" WG (Class B), Add	44.68	
			For 4" Or 6" WG (Class A), Add	95.31	
			For 10" WG (Class A), Add	137.01	
			For Work In Restricted Working Space, Add	89.35	
23 31 13 13-1015	LF		36" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	350.21	183.67
			For 3" WG (Class B), Add	45.92	
			For 4" Or 6" WG (Class A), Add	97.96	
			For 10" WG (Class A), Add	140.82	
			For Work In Restricted Working Space, Add	91.84	
23 31 13 13-1016	LF		36" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	359.66	188.63
			For 3" WG (Class B), Add	47.16	
			For 4" Or 6" WG (Class A), Add	100.60	
			For 10" WG (Class A), Add	144.62	
			For Work In Restricted Working Space, Add	94.32	
23 31 13 13-1017	LF		36" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	369.12	193.61
			For 3" WG (Class B), Add	48.40	
			For 4" Or 6" WG (Class A), Add	103.25	
			For 10" WG (Class A), Add	148.42	
			For Work In Restricted Working Space, Add	96.80	
23 31 13 13-1018	LF		36" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	378.59	198.57
			For 3" WG (Class B), Add	49.64	
			For 4" Or 6" WG (Class A), Add	105.90	
			For 10" WG (Class A), Add	152.23	
			For Work In Restricted Working Space, Add	99.28	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 31 13 13-1019	LF 36" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	388.05	203.53
	For 3" WG (Class B), Add	50.88	
	For 4" Or 6" WG (Class A), Add	108.55	
	For 10" WG (Class A), Add	156.04	
	For Work In Restricted Working Space, Add	101.76	
23 31 13 13-1020	LF 36" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	397.52	208.50
	For 3" WG (Class B), Add	52.12	
	For 4" Or 6" WG (Class A), Add	111.19	
	For 10" WG (Class A), Add	159.84	
	For Work In Restricted Working Space, Add	104.24	
23 31 13 13-1021	LF 38" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	359.66	188.63
	For 3" WG (Class B), Add	47.16	
	For 4" Or 6" WG (Class A), Add	100.60	
	For 10" WG (Class A), Add	144.62	
	For Work In Restricted Working Space, Add	94.32	
23 31 13 13-1022	LF 38" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	369.12	193.61
	For 3" WG (Class B), Add	48.40	
	For 4" Or 6" WG (Class A), Add	103.25	
	For 10" WG (Class A), Add	148.42	
	For Work In Restricted Working Space, Add	96.80	
23 31 13 13-1023	LF 38" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	378.59	198.57
	For 3" WG (Class B), Add	49.64	
	For 4" Or 6" WG (Class A), Add	105.90	
	For 10" WG (Class A), Add	152.23	
	For Work In Restricted Working Space, Add	99.28	
23 31 13 13-1024	LF 38" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	388.05	203.53
	For 3" WG (Class B), Add	50.88	
	For 4" Or 6" WG (Class A), Add	108.55	
	For 10" WG (Class A), Add	156.04	
	For Work In Restricted Working Space, Add	101.76	
23 31 13 13-1025	LF 38" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	397.52	208.50
	For 3" WG (Class B), Add	52.12	
	For 4" Or 6" WG (Class A), Add	111.19	
	For 10" WG (Class A), Add	159.84	
	For Work In Restricted Working Space, Add	104.24	
23 31 13 13-1026	LF 38" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	406.99	213.46
	For 3" WG (Class B), Add	53.36	
	For 4" Or 6" WG (Class A), Add	113.84	
	For 10" WG (Class A), Add	163.65	
	For Work In Restricted Working Space, Add	106.73	
23 31 13 13-1027	LF 38" x 50", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	416.46	218.42
	For 3" WG (Class B), Add	54.61	
	For 4" Or 6" WG (Class A), Add	116.49	
	For 10" WG (Class A), Add	167.46	
	For Work In Restricted Working Space, Add	109.21	
23 31 13 13-1028	LF 40" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	378.59	198.57
	For 3" WG (Class B), Add	49.64	
	For 4" Or 6" WG (Class A), Add	105.90	
	For 10" WG (Class A), Add	152.23	
	For Work In Restricted Working Space, Add	99.28	
23 31 13 13-1029	LF 40" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	388.05	203.53
	For 3" WG (Class B), Add	50.88	
	For 4" Or 6" WG (Class A), Add	108.55	
	For 10" WG (Class A), Add	156.04	
	For Work In Restricted Working Space, Add	101.76	
23 31 13 13-1030	LF 40" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	397.52	208.50
	For 3" WG (Class B), Add	52.12	
	For 4" Or 6" WG (Class A), Add	111.19	
	For 10" WG (Class A), Add	159.84	
	For Work In Restricted Working Space, Add	104.24	
23 31 13 13-1031	LF 40" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	406.99	213.46
	For 3" WG (Class B), Add	53.36	
	For 4" Or 6" WG (Class A), Add	113.84	
	For 10" WG (Class A), Add	163.65	
	For Work In Restricted Working Space, Add	106.73	
23 31 13 13-1032	LF 40" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	416.46	218.42
	For 3" WG (Class B), Add	54.61	
	For 4" Or 6" WG (Class A), Add	116.49	
	For 10" WG (Class A), Add	167.46	
	For Work In Restricted Working Space, Add	109.21	
23 31 13 13-1033	LF 40" x 50", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	425.92	223.39
	For 3" WG (Class B), Add	55.85	
	For 4" Or 6" WG (Class A), Add	119.14	
	For 10" WG (Class A), Add	171.26	
	For Work In Restricted Working Space, Add	111.69	
23 31 13 13-1034	LF 40" x 52", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	435.37	228.35
	For 3" WG (Class B), Add	57.09	
	For 4" Or 6" WG (Class A), Add	121.79	
	For 10" WG (Class A), Add	175.07	
	For Work In Restricted Working Space, Add	114.17	
23 31 13 13-1035	LF 40" x 54", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	444.85	233.31
	For 3" WG (Class B), Add	58.33	
	For 4" Or 6" WG (Class A), Add	124.43	
	For 10" WG (Class A), Add	178.87	
	For Work In Restricted Working Space, Add	116.66	
23 31 13 13-1036	LF 40" x 56", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	454.32	238.28
	For 3" WG (Class B), Add	59.57	
	For 4" Or 6" WG (Class A), Add	127.08	
	For 10" WG (Class A), Add	182.68	
	For Work In Restricted Working Space, Add	119.14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1037	LF	42" x 42"	Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	397.52	208.50
			For 3" WG (Class B), Add	52.12	
			For 4" Or 6" WG (Class A), Add	111.19	
			For 10" WG (Class A), Add	159.84	
			For Work In Restricted Working Space, Add	104.24	
23 31 13 13-1038	LF	42" x 44"	Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	406.99	213.46
			For 3" WG (Class B), Add	53.36	
			For 4" Or 6" WG (Class A), Add	113.84	
			For 10" WG (Class A), Add	163.65	
			For Work In Restricted Working Space, Add	106.73	
23 31 13 13-1039	LF	42" x 46"	Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	416.46	218.42
			For 3" WG (Class B), Add	54.61	
			For 4" Or 6" WG (Class A), Add	116.49	
			For 10" WG (Class A), Add	167.46	
			For Work In Restricted Working Space, Add	109.21	
23 31 13 13-1040	LF	42" x 48"	Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	425.92	223.39
			For 3" WG (Class B), Add	55.85	
			For 4" Or 6" WG (Class A), Add	119.14	
			For 10" WG (Class A), Add	171.26	
			For Work In Restricted Working Space, Add	111.69	
23 31 13 13-1041	LF	42" x 50"	Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	435.37	228.35
			For 3" WG (Class B), Add	57.09	
			For 4" Or 6" WG (Class A), Add	121.79	
			For 10" WG (Class A), Add	175.07	
			For Work In Restricted Working Space, Add	114.17	
23 31 13 13-1042	LF	42" x 52"	Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	444.85	233.31
			For 3" WG (Class B), Add	58.33	
			For 4" Or 6" WG (Class A), Add	124.43	
			For 10" WG (Class A), Add	178.87	
			For Work In Restricted Working Space, Add	116.66	
23 31 13 13-1043	LF	42" x 54"	Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	454.32	238.28
			For 3" WG (Class B), Add	59.57	
			For 4" Or 6" WG (Class A), Add	127.08	
			For 10" WG (Class A), Add	182.68	
			For Work In Restricted Working Space, Add	119.14	
23 31 13 13-1044	LF	42" x 56"	Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	463.78	243.24
			For 3" WG (Class B), Add	60.81	
			For 4" Or 6" WG (Class A), Add	129.73	
			For 10" WG (Class A), Add	186.48	
			For Work In Restricted Working Space, Add	121.62	
23 31 13 13-1045	LF	44" x 44"	Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	416.46	218.42
			For 3" WG (Class B), Add	54.61	
			For 4" Or 6" WG (Class A), Add	116.49	
			For 10" WG (Class A), Add	167.46	
			For Work In Restricted Working Space, Add	109.21	
23 31 13 13-1046	LF	44" x 46"	Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	425.92	223.39
			For 3" WG (Class B), Add	55.85	
			For 4" Or 6" WG (Class A), Add	119.14	
			For 10" WG (Class A), Add	171.26	
			For Work In Restricted Working Space, Add	111.69	
23 31 13 13-1047	LF	44" x 48"	Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	435.37	228.35
			For 3" WG (Class B), Add	57.09	
			For 4" Or 6" WG (Class A), Add	121.79	
			For 10" WG (Class A), Add	175.07	
			For Work In Restricted Working Space, Add	114.17	
23 31 13 13-1048	LF	44" x 50"	Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	444.85	233.31
			For 3" WG (Class B), Add	58.33	
			For 4" Or 6" WG (Class A), Add	124.43	
			For 10" WG (Class A), Add	178.87	
			For Work In Restricted Working Space, Add	116.66	
23 31 13 13-1049	LF	44" x 52"	Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	454.32	238.28
			For 3" WG (Class B), Add	59.57	
			For 4" Or 6" WG (Class A), Add	127.08	
			For 10" WG (Class A), Add	182.68	
			For Work In Restricted Working Space, Add	119.14	
23 31 13 13-1050	LF	44" x 54"	Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	463.78	243.24
			For 3" WG (Class B), Add	60.81	
			For 4" Or 6" WG (Class A), Add	129.73	
			For 10" WG (Class A), Add	186.48	
			For Work In Restricted Working Space, Add	121.62	
23 31 13 13-1051	LF	44" x 56"	Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	473.24	248.21
			For 3" WG (Class B), Add	62.05	
			For 4" Or 6" WG (Class A), Add	132.38	
			For 10" WG (Class A), Add	190.29	
			For Work In Restricted Working Space, Add	124.10	
23 31 13 13-1052	LF	46" x 46"	Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	435.37	228.35
			For 3" WG (Class B), Add	57.09	
			For 4" Or 6" WG (Class A), Add	121.79	
			For 10" WG (Class A), Add	175.07	
			For Work In Restricted Working Space, Add	114.17	
23 31 13 13-1053	LF	46" x 48"	Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	444.85	233.31
			For 3" WG (Class B), Add	58.33	
			For 4" Or 6" WG (Class A), Add	124.43	
			For 10" WG (Class A), Add	178.87	
			For Work In Restricted Working Space, Add	116.66	
23 31 13 13-1054	LF	46" x 50"	Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	454.32	238.28
			For 3" WG (Class B), Add	59.57	
			For 4" Or 6" WG (Class A), Add	127.08	
			For 10" WG (Class A), Add	182.68	
			For Work In Restricted Working Space, Add	119.14	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 31 HVAC Ducts and Casings**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13 13-1055	LF	46" x 52", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	463.78	243.24
			For 3" WG (Class B), Add	60.81	
			For 4" Or 6" WG (Class A), Add	129.73	
			For 10" WG (Class A), Add	186.48	
			For Work In Restricted Working Space, Add	121.62	
23 31	13 13-1056	LF	46" x 54", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	473.24	248.21
			For 3" WG (Class B), Add	62.05	
			For 4" Or 6" WG (Class A), Add	132.38	
			For 10" WG (Class A), Add	190.29	
			For Work In Restricted Working Space, Add	124.10	
23 31	13 13-1057	LF	46" x 56", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	490.98	258.14
			For 3" WG (Class B), Add	64.53	
			For 4" Or 6" WG (Class A), Add	137.67	
			For 10" WG (Class A), Add	197.91	
			For Work In Restricted Working Space, Add	129.07	
23 31	13 13-1058	LF	46" x 58", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	500.46	263.10
			For 3" WG (Class B), Add	65.78	
			For 4" Or 6" WG (Class A), Add	140.32	
			For 10" WG (Class A), Add	201.71	
			For Work In Restricted Working Space, Add	131.55	
23 31	13 13-1059	LF	48" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	454.32	238.28
			For 3" WG (Class B), Add	59.57	
			For 4" Or 6" WG (Class A), Add	127.08	
			For 10" WG (Class A), Add	182.68	
			For Work In Restricted Working Space, Add	119.14	
23 31	13 13-1060	LF	48" x 50", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	463.78	243.24
			For 3" WG (Class B), Add	60.81	
			For 4" Or 6" WG (Class A), Add	129.73	
			For 10" WG (Class A), Add	186.48	
			For Work In Restricted Working Space, Add	121.62	
23 31	13 13-1061	LF	48" x 52", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	473.24	248.21
			For 3" WG (Class B), Add	62.05	
			For 4" Or 6" WG (Class A), Add	132.38	
			For 10" WG (Class A), Add	190.29	
			For Work In Restricted Working Space, Add	124.10	
23 31	13 13-1062	LF	48" x 54", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	482.70	253.18
			For 3" WG (Class B), Add	63.29	
			For 4" Or 6" WG (Class A), Add	135.02	
			For 10" WG (Class A), Add	194.10	
			For Work In Restricted Working Space, Add	126.59	
23 31	13 13-1063	LF	48" x 56", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	492.19	258.14
			For 3" WG (Class B), Add	64.53	
			For 4" Or 6" WG (Class A), Add	137.67	
			For 10" WG (Class A), Add	197.91	
			For Work In Restricted Working Space, Add	129.07	
23 31	13 13-1064	LF	48" x 58", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	501.64	263.10
			For 3" WG (Class B), Add	65.78	
			For 4" Or 6" WG (Class A), Add	140.32	
			For 10" WG (Class A), Add	201.71	
			For Work In Restricted Working Space, Add	131.55	
23 31	13 13-1065	LF	48" x 60", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	511.10	268.07
			For 3" WG (Class B), Add	67.02	
			For 4" Or 6" WG (Class A), Add	142.97	
			For 10" WG (Class A), Add	205.51	
			For Work In Restricted Working Space, Add	134.03	
23 31	13 13-1066	LF	50" x 50", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	473.24	248.21
			For 3" WG (Class B), Add	62.05	
			For 4" Or 6" WG (Class A), Add	132.38	
			For 10" WG (Class A), Add	190.29	
			For Work In Restricted Working Space, Add	124.10	
23 31	13 13-1067	LF	50" x 52", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	482.70	253.18
			For 3" WG (Class B), Add	63.29	
			For 4" Or 6" WG (Class A), Add	135.02	
			For 10" WG (Class A), Add	194.10	
			For Work In Restricted Working Space, Add	126.59	
23 31	13 13-1068	LF	50" x 54", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	492.19	258.14
			For 3" WG (Class B), Add	64.53	
			For 4" Or 6" WG (Class A), Add	137.67	
			For 10" WG (Class A), Add	197.91	
			For Work In Restricted Working Space, Add	129.07	
23 31	13 13-1069	LF	50" x 56", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	501.64	263.10
			For 3" WG (Class B), Add	65.78	
			For 4" Or 6" WG (Class A), Add	140.32	
			For 10" WG (Class A), Add	201.71	
			For Work In Restricted Working Space, Add	131.55	
23 31	13 13-1070	LF	50" x 58", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	511.10	268.07
			For 3" WG (Class B), Add	67.02	
			For 4" Or 6" WG (Class A), Add	142.97	
			For 10" WG (Class A), Add	205.51	
			For Work In Restricted Working Space, Add	134.03	
23 31	13 13-1071	LF	50" x 60", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	520.56	273.03
			For 3" WG (Class B), Add	68.26	
			For 4" Or 6" WG (Class A), Add	145.61	
			For 10" WG (Class A), Add	209.32	
			For Work In Restricted Working Space, Add	136.51	
23 31	13 13-1072	LF	52" x 52", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	492.19	258.14
			For 3" WG (Class B), Add	64.53	
			For 4" Or 6" WG (Class A), Add	137.67	
			For 10" WG (Class A), Add	197.91	
			For Work In Restricted Working Space, Add	129.07	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1073	LF	52" x 54", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	501.64	263.10	
		For 3" WG (Class B), Add	65.78		
		For 4" Or 6" WG (Class A), Add	140.32		
		For 10" WG (Class A), Add	201.71		
		For Work In Restricted Working Space, Add	131.55		
23 31 13 13-1074	LF	52" x 56", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	511.10	268.07	
		For 3" WG (Class B), Add	67.02		
		For 4" Or 6" WG (Class A), Add	142.97		
		For 10" WG (Class A), Add	205.51		
		For Work In Restricted Working Space, Add	134.03		
23 31 13 13-1075	LF	52" x 58", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	520.56	273.03	
		For 3" WG (Class B), Add	68.26		
		For 4" Or 6" WG (Class A), Add	145.61		
		For 10" WG (Class A), Add	209.32		
		For Work In Restricted Working Space, Add	136.51		
23 31 13 13-1076	LF	52" x 60", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	530.04	277.99	
		For 3" WG (Class B), Add	69.50		
		For 4" Or 6" WG (Class A), Add	148.27		
		For 10" WG (Class A), Add	213.13		
		For Work In Restricted Working Space, Add	139.00		
23 31 13 13-1077	LF	54" x 54", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	511.10	268.07	
		For 3" WG (Class B), Add	67.02		
		For 4" Or 6" WG (Class A), Add	142.97		
		For 10" WG (Class A), Add	205.51		
		For Work In Restricted Working Space, Add	134.03		
23 31 13 13-1078	LF	54" x 56", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	520.56	273.03	
		For 3" WG (Class B), Add	68.26		
		For 4" Or 6" WG (Class A), Add	145.61		
		For 10" WG (Class A), Add	209.32		
		For Work In Restricted Working Space, Add	136.51		
23 31 13 13-1079	LF	54" x 58", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	530.04	277.99	
		For 3" WG (Class B), Add	69.50		
		For 4" Or 6" WG (Class A), Add	148.27		
		For 10" WG (Class A), Add	213.13		
		For Work In Restricted Working Space, Add	139.00		
23 31 13 13-1080	LF	54" x 60", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	539.51	282.96	
		For 3" WG (Class B), Add	70.74		
		For 4" Or 6" WG (Class A), Add	150.91		
		For 10" WG (Class A), Add	216.94		
		For Work In Restricted Working Space, Add	141.48		
23 31 13 13-1081	LF	54" x 62", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	548.96	287.91	
		For 3" WG (Class B), Add	71.98		
		For 4" Or 6" WG (Class A), Add	153.56		
		For 10" WG (Class A), Add	220.74		
		For Work In Restricted Working Space, Add	143.96		
23 31 13 13-1082	LF	54" x 64", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	558.42	292.87	
		For 3" WG (Class B), Add	73.22		
		For 4" Or 6" WG (Class A), Add	156.20		
		For 10" WG (Class A), Add	224.54		
		For Work In Restricted Working Space, Add	146.44		
23 31 13 13-1083	LF	56" x 56", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	530.04	277.99	
		For 3" WG (Class B), Add	69.50		
		For 4" Or 6" WG (Class A), Add	148.27		
		For 10" WG (Class A), Add	213.13		
		For Work In Restricted Working Space, Add	139.00		
23 31 13 13-1084	LF	56" x 58", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	539.51	282.96	
		For 3" WG (Class B), Add	70.74		
		For 4" Or 6" WG (Class A), Add	150.91		
		For 10" WG (Class A), Add	216.94		
		For Work In Restricted Working Space, Add	141.48		
23 31 13 13-1085	LF	56" x 60", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	548.96	287.91	
		For 3" WG (Class B), Add	71.98		
		For 4" Or 6" WG (Class A), Add	153.56		
		For 10" WG (Class A), Add	220.74		
		For Work In Restricted Working Space, Add	143.96		
23 31 13 13-1086	LF	56" x 62", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	558.42	292.87	
		For 3" WG (Class B), Add	73.22		
		For 4" Or 6" WG (Class A), Add	156.20		
		For 10" WG (Class A), Add	224.54		
		For Work In Restricted Working Space, Add	146.44		
23 31 13 13-1087	LF	56" x 64", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	567.89	297.84	
		For 3" WG (Class B), Add	74.46		
		For 4" Or 6" WG (Class A), Add	158.85		
		For 10" WG (Class A), Add	228.35		
		For Work In Restricted Working Space, Add	148.92		
23 31 13 13-1088	LF	58" x 58", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	548.96	287.91	
		For 3" WG (Class B), Add	71.98		
		For 4" Or 6" WG (Class A), Add	153.56		
		For 10" WG (Class A), Add	220.74		
		For Work In Restricted Working Space, Add	143.96		
23 31 13 13-1089	LF	58" x 60", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	558.42	292.87	
		For 3" WG (Class B), Add	73.22		
		For 4" Or 6" WG (Class A), Add	156.20		
		For 10" WG (Class A), Add	224.54		
		For Work In Restricted Working Space, Add	146.44		
23 31 13 13-1090	LF	58" x 62", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	567.89	297.84	
		For 3" WG (Class B), Add	74.46		
		For 4" Or 6" WG (Class A), Add	158.85		
		For 10" WG (Class A), Add	228.35		
		For Work In Restricted Working Space, Add	148.92		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 31 13 13-1091	LF 58" x 64", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	577.34	302.81
	For 3" WG (Class B), Add	75.70	
	For 4" Or 6" WG (Class A), Add	161.50	
	For 10" WG (Class A), Add	232.15	
	For Work In Restricted Working Space, Add	151.40	
23 31 13 13-1092	LF 58" x 66", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	586.82	307.77
	For 3" WG (Class B), Add	76.94	
	For 4" Or 6" WG (Class A), Add	164.14	
	For 10" WG (Class A), Add	235.96	
	For Work In Restricted Working Space, Add	153.89	
23 31 13 13-1093	LF 60" x 60", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	567.89	297.84
	For 3" WG (Class B), Add	74.46	
	For 4" Or 6" WG (Class A), Add	158.85	
	For 10" WG (Class A), Add	228.35	
	For Work In Restricted Working Space, Add	148.92	
23 31 13 13-1094	LF 60" x 62", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	577.34	302.81
	For 3" WG (Class B), Add	75.70	
	For 4" Or 6" WG (Class A), Add	161.50	
	For 10" WG (Class A), Add	232.15	
	For Work In Restricted Working Space, Add	151.40	
23 31 13 13-1095	LF 60" x 64", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	586.82	307.77
	For 3" WG (Class B), Add	76.94	
	For 4" Or 6" WG (Class A), Add	164.14	
	For 10" WG (Class A), Add	235.96	
	For Work In Restricted Working Space, Add	153.89	
23 31 13 13-1096	LF 60" x 66", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	596.29	312.74
	For 3" WG (Class B), Add	78.18	
	For 4" Or 6" WG (Class A), Add	166.79	
	For 10" WG (Class A), Add	239.77	
	For Work In Restricted Working Space, Add	156.37	
23 31 13 13-1097	LF 60" x 68", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	605.75	317.70
	For 3" WG (Class B), Add	79.43	
	For 4" Or 6" WG (Class A), Add	169.44	
	For 10" WG (Class A), Add	243.57	
	For Work In Restricted Working Space, Add	158.85	
23 31 13 13-1098	LF 62" x 62", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	586.82	307.77
	For 3" WG (Class B), Add	76.94	
	For 4" Or 6" WG (Class A), Add	164.14	
	For 10" WG (Class A), Add	235.96	
	For Work In Restricted Working Space, Add	153.89	
23 31 13 13-1099	LF 62" x 64", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	596.29	312.74
	For 3" WG (Class B), Add	78.18	
	For 4" Or 6" WG (Class A), Add	166.79	
	For 10" WG (Class A), Add	239.77	
	For Work In Restricted Working Space, Add	156.37	
23 31 13 13-1100	LF 62" x 66", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	605.75	317.70
	For 3" WG (Class B), Add	79.43	
	For 4" Or 6" WG (Class A), Add	169.44	
	For 10" WG (Class A), Add	243.57	
	For Work In Restricted Working Space, Add	158.85	
23 31 13 13-1101	LF 62" x 68", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	615.21	322.66
	For 3" WG (Class B), Add	80.67	
	For 4" Or 6" WG (Class A), Add	172.09	
	For 10" WG (Class A), Add	247.38	
	For Work In Restricted Working Space, Add	161.33	
23 31 13 13-1102	LF 62" x 70", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	624.67	327.63
	For 3" WG (Class B), Add	81.91	
	For 4" Or 6" WG (Class A), Add	174.74	
	For 10" WG (Class A), Add	251.18	
	For Work In Restricted Working Space, Add	163.82	
23 31 13 13-1103	LF 64" x 64", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	605.75	317.70
	For 3" WG (Class B), Add	79.43	
	For 4" Or 6" WG (Class A), Add	169.44	
	For 10" WG (Class A), Add	243.57	
	For Work In Restricted Working Space, Add	158.85	
23 31 13 13-1104	LF 64" x 66", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	615.21	322.66
	For 3" WG (Class B), Add	80.67	
	For 4" Or 6" WG (Class A), Add	172.09	
	For 10" WG (Class A), Add	247.38	
	For Work In Restricted Working Space, Add	161.33	
23 31 13 13-1105	LF 64" x 68", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	624.67	327.63
	For 3" WG (Class B), Add	81.91	
	For 4" Or 6" WG (Class A), Add	174.74	
	For 10" WG (Class A), Add	251.18	
	For Work In Restricted Working Space, Add	163.82	
23 31 13 13-1106	LF 64" x 70", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	634.14	332.59
	For 3" WG (Class B), Add	83.15	
	For 4" Or 6" WG (Class A), Add	177.38	
	For 10" WG (Class A), Add	254.99	
	For Work In Restricted Working Space, Add	166.30	
23 31 13 13-1107	LF 66" x 66", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	624.67	327.63
	For 3" WG (Class B), Add	81.91	
	For 4" Or 6" WG (Class A), Add	174.74	
	For 10" WG (Class A), Add	251.18	
	For Work In Restricted Working Space, Add	163.82	
23 31 13 13-1108	LF 66" x 68", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	634.14	332.59
	For 3" WG (Class B), Add	83.15	
	For 4" Or 6" WG (Class A), Add	177.38	
	For 10" WG (Class A), Add	254.99	
	For Work In Restricted Working Space, Add	166.30	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1109	LF	66" x 70", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	643.61	337.56	
		For 3" WG (Class B), Add	84.39		
		For 4" Or 6" WG (Class A), Add	180.03		
		For 10" WG (Class A), Add	258.80		
		For Work In Restricted Working Space, Add	168.78		
23 31 13 13-1110	LF	66" x 72", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	653.07	342.52	
		For 3" WG (Class B), Add	85.63		
		For 4" Or 6" WG (Class A), Add	182.68		
		For 10" WG (Class A), Add	262.60		
		For Work In Restricted Working Space, Add	171.26		
23 31 13 13-1111	LF	68" x 68", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	643.61	337.56	
		For 3" WG (Class B), Add	84.39		
		For 4" Or 6" WG (Class A), Add	180.03		
		For 10" WG (Class A), Add	258.80		
		For Work In Restricted Working Space, Add	168.78		
23 31 13 13-1112	LF	68" x 70", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	653.07	342.52	
		For 3" WG (Class B), Add	85.63		
		For 4" Or 6" WG (Class A), Add	182.68		
		For 10" WG (Class A), Add	262.60		
		For Work In Restricted Working Space, Add	171.26		
23 31 13 13-1113	LF	68" x 72", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	662.54	347.48	
		For 3" WG (Class B), Add	86.87		
		For 4" Or 6" WG (Class A), Add	185.33		
		For 10" WG (Class A), Add	266.41		
		For Work In Restricted Working Space, Add	173.75		
23 31 13 13-1114	LF	68" x 74", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	672.00	352.45	
		For 3" WG (Class B), Add	88.11		
		For 4" Or 6" WG (Class A), Add	187.97		
		For 10" WG (Class A), Add	270.21		
		For Work In Restricted Working Space, Add	176.23		
23 31 13 13-1115	LF	70" x 70", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	662.54	347.48	
		For 3" WG (Class B), Add	86.87		
		For 4" Or 6" WG (Class A), Add	185.33		
		For 10" WG (Class A), Add	266.41		
		For Work In Restricted Working Space, Add	173.75		
23 31 13 13-1116	LF	70" x 72", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	672.00	352.45	
		For 3" WG (Class B), Add	88.11		
		For 4" Or 6" WG (Class A), Add	187.97		
		For 10" WG (Class A), Add	270.21		
		For Work In Restricted Working Space, Add	176.23		
23 31 13 13-1117	LF	70" x 74", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	681.48	357.42	
		For 3" WG (Class B), Add	89.36		
		For 4" Or 6" WG (Class A), Add	190.62		
		For 10" WG (Class A), Add	274.02		
		For Work In Restricted Working Space, Add	178.71		
23 31 13 13-1118	LF	70" x 76", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	690.94	362.38	
		For 3" WG (Class B), Add	90.60		
		For 4" Or 6" WG (Class A), Add	193.27		
		For 10" WG (Class A), Add	277.83		
		For Work In Restricted Working Space, Add	181.19		
23 31 13 13-1119	LF	70" x 78", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	700.40	367.35	
		For 3" WG (Class B), Add	91.84		
		For 4" Or 6" WG (Class A), Add	195.92		
		For 10" WG (Class A), Add	281.63		
		For Work In Restricted Working Space, Add	183.67		
23 31 13 13-1120	LF	70" x 80", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	709.85	372.31	
		For 3" WG (Class B), Add	93.08		
		For 4" Or 6" WG (Class A), Add	198.56		
		For 10" WG (Class A), Add	285.43		
		For Work In Restricted Working Space, Add	186.15		
23 31 13 13-1121	LF	70" x 82", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	719.32	377.27	
		For 3" WG (Class B), Add	94.32		
		For 4" Or 6" WG (Class A), Add	201.21		
		For 10" WG (Class A), Add	289.24		
		For Work In Restricted Working Space, Add	188.64		
23 31 13 13-1122	LF	70" x 84", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	728.81	382.24	
		For 3" WG (Class B), Add	95.56		
		For 4" Or 6" WG (Class A), Add	203.86		
		For 10" WG (Class A), Add	293.05		
		For Work In Restricted Working Space, Add	191.12		
23 31 13 13-1123	LF	70" x 86", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	738.26	387.20	
		For 3" WG (Class B), Add	96.80		
		For 4" Or 6" WG (Class A), Add	206.51		
		For 10" WG (Class A), Add	296.86		
		For Work In Restricted Working Space, Add	193.60		
23 31 13 13-1124	LF	72" x 72", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	681.48	357.42	
		For 3" WG (Class B), Add	89.36		
		For 4" Or 6" WG (Class A), Add	190.62		
		For 10" WG (Class A), Add	274.02		
		For Work In Restricted Working Space, Add	178.71		
23 31 13 13-1125	LF	72" x 74", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	690.94	362.38	
		For 3" WG (Class B), Add	90.60		
		For 4" Or 6" WG (Class A), Add	193.27		
		For 10" WG (Class A), Add	277.83		
		For Work In Restricted Working Space, Add	181.19		
23 31 13 13-1126	LF	72" x 76", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	700.40	367.35	
		For 3" WG (Class B), Add	91.84		
		For 4" Or 6" WG (Class A), Add	195.92		
		For 10" WG (Class A), Add	281.63		
		For Work In Restricted Working Space, Add	183.67		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 31 13 13-1127	LF 72" x 78", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	709.85	372.31
	For 3" WG (Class B), Add	93.08	
	For 4" Or 6" WG (Class A), Add	198.56	
	For 10" WG (Class A), Add	285.43	
	For Work In Restricted Working Space, Add	186.15	
23 31 13 13-1128	LF 72" x 80", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	719.32	377.27
	For 3" WG (Class B), Add	94.32	
	For 4" Or 6" WG (Class A), Add	201.21	
	For 10" WG (Class A), Add	289.24	
	For Work In Restricted Working Space, Add	188.64	
23 31 13 13-1129	LF 72" x 82", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	728.81	382.24
	For 3" WG (Class B), Add	95.56	
	For 4" Or 6" WG (Class A), Add	203.86	
	For 10" WG (Class A), Add	293.05	
	For Work In Restricted Working Space, Add	191.12	
23 31 13 13-1130	LF 72" x 84", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	738.26	387.20
	For 3" WG (Class B), Add	96.80	
	For 4" Or 6" WG (Class A), Add	206.51	
	For 10" WG (Class A), Add	296.86	
	For Work In Restricted Working Space, Add	193.60	
23 31 13 13-1131	LF 72" x 86", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	747.72	392.16
	For 3" WG (Class B), Add	96.04	
	For 4" Or 6" WG (Class A), Add	209.16	
	For 10" WG (Class A), Add	300.66	
	For Work In Restricted Working Space, Add	196.08	
23 31 13 13-1132	LF 74" x 74", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	700.40	367.35
	For 3" WG (Class B), Add	91.84	
	For 4" Or 6" WG (Class A), Add	195.92	
	For 10" WG (Class A), Add	281.63	
	For Work In Restricted Working Space, Add	183.67	
23 31 13 13-1133	LF 74" x 76", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	709.85	372.31
	For 3" WG (Class B), Add	93.08	
	For 4" Or 6" WG (Class A), Add	198.56	
	For 10" WG (Class A), Add	285.43	
	For Work In Restricted Working Space, Add	186.15	
23 31 13 13-1134	LF 74" x 78", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	719.32	377.27
	For 3" WG (Class B), Add	94.32	
	For 4" Or 6" WG (Class A), Add	201.21	
	For 10" WG (Class A), Add	289.24	
	For Work In Restricted Working Space, Add	188.64	
23 31 13 13-1135	LF 74" x 80", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	728.81	382.24
	For 3" WG (Class B), Add	95.56	
	For 4" Or 6" WG (Class A), Add	203.86	
	For 10" WG (Class A), Add	293.05	
	For Work In Restricted Working Space, Add	191.12	
23 31 13 13-1136	LF 74" x 82", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	738.26	387.20
	For 3" WG (Class B), Add	96.80	
	For 4" Or 6" WG (Class A), Add	206.51	
	For 10" WG (Class A), Add	296.86	
	For Work In Restricted Working Space, Add	193.60	
23 31 13 13-1137	LF 74" x 84", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	747.72	392.16
	For 3" WG (Class B), Add	96.04	
	For 4" Or 6" WG (Class A), Add	209.16	
	For 10" WG (Class A), Add	300.66	
	For Work In Restricted Working Space, Add	196.08	
23 31 13 13-1138	LF 74" x 86", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	757.18	397.13
	For 3" WG (Class B), Add	99.28	
	For 4" Or 6" WG (Class A), Add	211.80	
	For 10" WG (Class A), Add	304.46	
	For Work In Restricted Working Space, Add	198.56	
23 31 13 13-1139	LF 76" x 76", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	719.32	377.27
	For 3" WG (Class B), Add	94.32	
	For 4" Or 6" WG (Class A), Add	201.21	
	For 10" WG (Class A), Add	289.24	
	For Work In Restricted Working Space, Add	188.64	
23 31 13 13-1140	LF 76" x 78", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	728.81	382.24
	For 3" WG (Class B), Add	95.56	
	For 4" Or 6" WG (Class A), Add	203.86	
	For 10" WG (Class A), Add	293.05	
	For Work In Restricted Working Space, Add	191.12	
23 31 13 13-1141	LF 76" x 80", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	738.26	387.20
	For 3" WG (Class B), Add	96.80	
	For 4" Or 6" WG (Class A), Add	206.51	
	For 10" WG (Class A), Add	296.86	
	For Work In Restricted Working Space, Add	193.60	
23 31 13 13-1142	LF 76" x 82", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	747.72	392.16
	For 3" WG (Class B), Add	96.04	
	For 4" Or 6" WG (Class A), Add	209.16	
	For 10" WG (Class A), Add	300.66	
	For Work In Restricted Working Space, Add	196.08	
23 31 13 13-1143	LF 76" x 84", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	757.18	397.13
	For 3" WG (Class B), Add	99.28	
	For 4" Or 6" WG (Class A), Add	211.80	
	For 10" WG (Class A), Add	304.46	
	For Work In Restricted Working Space, Add	198.56	
23 31 13 13-1144	LF 76" x 86", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	766.64	402.09
	For 3" WG (Class B), Add	100.52	
	For 4" Or 6" WG (Class A), Add	214.45	
	For 10" WG (Class A), Add	308.27	
	For Work In Restricted Working Space, Add	201.05	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1145	LF		78" x 78", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	738.26	387.20
			For 3" WG (Class B), Add	96.80	
			For 4" Or 6" WG (Class A), Add	206.51	
			For 10" WG (Class A), Add	296.86	
			For Work In Restricted Working Space, Add	193.60	
23 31 13 13-1146	LF		78" x 80", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	747.72	392.16
			For 3" WG (Class B), Add	98.04	
			For 4" Or 6" WG (Class A), Add	209.16	
			For 10" WG (Class A), Add	300.66	
			For Work In Restricted Working Space, Add	196.08	
23 31 13 13-1147	LF		78" x 82", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	757.18	397.13
			For 3" WG (Class B), Add	99.28	
			For 4" Or 6" WG (Class A), Add	211.80	
			For 10" WG (Class A), Add	304.46	
			For Work In Restricted Working Space, Add	198.56	
23 31 13 13-1148	LF		78" x 84", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	766.64	402.09
			For 3" WG (Class B), Add	100.52	
			For 4" Or 6" WG (Class A), Add	214.45	
			For 10" WG (Class A), Add	308.27	
			For Work In Restricted Working Space, Add	201.05	
23 31 13 13-1149	LF		78" x 86", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	776.11	407.05
			For 3" WG (Class B), Add	101.76	
			For 4" Or 6" WG (Class A), Add	217.09	
			For 10" WG (Class A), Add	312.07	
			For Work In Restricted Working Space, Add	203.53	
23 31 13 13-1150	LF		80" x 80", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	757.18	397.13
			For 3" WG (Class B), Add	99.28	
			For 4" Or 6" WG (Class A), Add	211.80	
			For 10" WG (Class A), Add	304.46	
			For Work In Restricted Working Space, Add	198.56	
23 31 13 13-1151	LF		80" x 82", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	766.64	402.09
			For 3" WG (Class B), Add	100.52	
			For 4" Or 6" WG (Class A), Add	214.45	
			For 10" WG (Class A), Add	308.27	
			For Work In Restricted Working Space, Add	201.05	
23 31 13 13-1152	LF		80" x 84", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	776.11	407.05
			For 3" WG (Class B), Add	101.76	
			For 4" Or 6" WG (Class A), Add	217.09	
			For 10" WG (Class A), Add	312.07	
			For Work In Restricted Working Space, Add	203.53	
23 31 13 13-1153	LF		80" x 86", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	793.85	416.99
			For 3" WG (Class B), Add	104.25	
			For 4" Or 6" WG (Class A), Add	222.39	
			For 10" WG (Class A), Add	319.69	
			For Work In Restricted Working Space, Add	208.49	
23 31 13 13-1154	LF		82" x 82", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	776.11	407.05
			For 3" WG (Class B), Add	101.76	
			For 4" Or 6" WG (Class A), Add	217.09	
			For 10" WG (Class A), Add	312.07	
			For Work In Restricted Working Space, Add	203.53	
23 31 13 13-1155	LF		82" x 84", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	785.58	412.03
			For 3" WG (Class B), Add	103.01	
			For 4" Or 6" WG (Class A), Add	219.74	
			For 10" WG (Class A), Add	315.88	
			For Work In Restricted Working Space, Add	206.01	
23 31 13 13-1156	LF		82" x 86", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	795.04	416.99
			For 3" WG (Class B), Add	104.25	
			For 4" Or 6" WG (Class A), Add	222.39	
			For 10" WG (Class A), Add	319.69	
			For Work In Restricted Working Space, Add	208.49	
23 31 13 13-1157	LF		84" x 84", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	795.04	416.99
			For 3" WG (Class B), Add	104.25	
			For 4" Or 6" WG (Class A), Add	222.39	
			For 10" WG (Class A), Add	319.69	
			For Work In Restricted Working Space, Add	208.49	
23 31 13 13-1158	LF		84" x 86", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	804.51	421.95
			For 3" WG (Class B), Add	105.49	
			For 4" Or 6" WG (Class A), Add	225.04	
			For 10" WG (Class A), Add	323.50	
			For Work In Restricted Working Space, Add	210.98	
23 31 13 13-1159	LF		86" x 86", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	813.96	426.92
			For 3" WG (Class B), Add	106.73	
			For 4" Or 6" WG (Class A), Add	227.69	
			For 10" WG (Class A), Add	327.30	
			For Work In Restricted Working Space, Add	213.46	
<b>23 31 13 13-1160</b>			<b>Rework Sheet Metal Ductwork</b> <small>(23 31 13 13)</small>		
			Note: Includes removal of existing ductwork and reinstallation of ductwork. Excludes new ductwork.		
23 31 13 13-1161	LF		Up To 1 SF Cross Section, Rework Existing Ductwork.....	29.37	
23 31 13 13-1162	LF		>1 To 2 SF Cross Section, Rework Existing Ductwork.....	57.27	
23 31 13 13-1163	LF		>2 To 4 SF Cross Section, Rework Existing Ductwork.....	75.67	
23 31 13 13-1164	LF		>4 To 6 SF Cross Section, Rework Existing Ductwork.....	94.76	
23 31 13 13-1165	LF		>6 To 8 SF Cross Section, Rework Existing Ductwork.....	132.16	
23 31 13 13-1166	LF		>8 To 10 SF Cross Section, Rework Existing Ductwork.....	154.18	
23 31 13 13-1167	LF		>10 To 12 SF Cross Section, Rework Existing Ductwork.....	176.21	
23 31 13 13-1168	LF		>12 To 14 SF Cross Section, Rework Existing Ductwork.....	198.24	

**23 31 13 16 Round and Flat-Oval Spiral Ducts** (23 31 13)

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
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23 31 13 16-0001	<b>Low Pressure Round And Flat-Oval Duct</b> <small>(23 31 13 16)</small> Note: 7" diameter round = 4" x 11.85" flat oval. 8" diameter round = 4" x 15" flat oval. 10" diameter round = 4" x 25.99" or 6" x 15.42" or 8" x 11.14" flat oval. 12" diameter round = 6" x 23.28" or 8" x 15.85" flat oval. 14" diameter round = 6" x 32.70" or 8" x 22.14" or 10" x 17.85" or 12" x 15.14" flat oval. 16" diameter round = 6" x 43.70" or 8" x 29.99" or 10" x 24.14" or 12" x 19.85" or 14" x 17.14" flat oval. 18" diameter round = 6" x 59.41" or 8" x 39.42" or 10" x 30.42" or 12" x 24.57" or 14" x 21.85" or 16" x 19.14" flat oval. 20" diameter round = 8" x 51.98" or 10" x 38.27" or 12" x 30.85" or 14" x 26.57" or 16" x 23.85" or 18" x 21.14" flat oval. Includes sealing the joints by tape, mastic, or spray on sealer.		
23 31 13 16-0002	<b>2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Ducts</b> <small>(23 31 13 16-0001)</small> Note: Includes straps and supports.		
23 31 13 16-0003	LF 4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct.....	6.14	2.51
	For 3" WG (Class B), Add	0.77	
	For 4" Or 6" WG (Class A), Add	2.05	
	For 28 Gauge, Deduct	-0.14	
	For 24 Gauge, Add	0.14	
	For 22 Gauge, Add	0.28	
	For 20 Gauge, Add	0.42	
	For 18 Gauge, Add	0.56	
	For 16 Gauge, Add	0.68	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	0.75	
	For Work In Restricted Working Space, Add	1.54	
	For Elevated Installation >10' To 15', Add	0.51	
	For Elevated Installation >15' To 20', Add	1.03	
	For Elevated Installation >20' To 25', Add	1.28	
	For Elevated Installation >25' To 30', Add	1.80	
	For Elevated Installation >30' To 35', Add	2.05	
	For Elevated Installation >35' To 40', Add	2.57	
	For Elevated Installation >40', Add	2.82	
23 31 13 16-0004	LF 5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct.....	6.99	2.85
	For 3" WG (Class B), Add	0.86	
	For 4" Or 6" WG (Class A), Add	2.28	
	For 28 Gauge, Deduct	-0.18	
	For 24 Gauge, Add	0.18	
	For 22 Gauge, Add	0.36	
	For 20 Gauge, Add	0.53	
	For 18 Gauge, Add	0.71	
	For 16 Gauge, Add	0.87	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	0.95	
	For Work In Restricted Working Space, Add	1.71	
	For Elevated Installation >10' To 15', Add	0.57	
	For Elevated Installation >15' To 20', Add	1.14	
	For Elevated Installation >20' To 25', Add	1.43	
	For Elevated Installation >25' To 30', Add	2.00	
	For Elevated Installation >30' To 35', Add	2.28	
	For Elevated Installation >35' To 40', Add	2.85	
	For Elevated Installation >40', Add	3.14	
23 31 13 16-0005	LF 6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct.....	7.88	3.41
	For 3" WG (Class B), Add	0.96	
	For 4" Or 6" WG (Class A), Add	2.56	
	For 28 Gauge, Deduct	-0.20	
	For 24 Gauge, Add	0.20	
	For 22 Gauge, Add	0.40	
	For 20 Gauge, Add	0.61	
	For 18 Gauge, Add	0.81	
	For 16 Gauge, Add	0.99	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.09	
	For Work In Restricted Working Space, Add	1.92	
	For Elevated Installation >10' To 15', Add	0.64	
	For Elevated Installation >15' To 20', Add	1.28	
	For Elevated Installation >20' To 25', Add	1.60	
	For Elevated Installation >25' To 30', Add	2.24	
	For Elevated Installation >30' To 35', Add	2.56	
	For Elevated Installation >35' To 40', Add	3.21	
	For Elevated Installation >40', Add	3.53	
23 31 13 16-0006	LF 7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct.....	9.06	3.99
	For 3" WG (Class B), Add	1.10	
	For 4" Or 6" WG (Class A), Add	2.93	
	For 28 Gauge, Deduct	-0.24	
	For 24 Gauge, Add	0.24	
	For 22 Gauge, Add	0.48	
	For 20 Gauge, Add	0.72	
	For 18 Gauge, Add	0.96	
	For 16 Gauge, Add	1.17	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.29	
	For Work In Restricted Working Space, Add	2.20	
	For Elevated Installation >10' To 15', Add	0.73	
	For Elevated Installation >15' To 20', Add	1.46	
	For Elevated Installation >20' To 25', Add	1.83	
	For Elevated Installation >25' To 30', Add	2.56	
	For Elevated Installation >30' To 35', Add	2.93	
	For Elevated Installation >35' To 40', Add	3.66	
	For Elevated Installation >40', Add	4.03	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0007	LF		8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct .....	10.47	4.55
			For 3" WG (Class B), Add	1.28	
			For 4" Or 6" WG (Class A), Add	3.42	
			For 28 Gauge, Deduct	-0.27	
			For 24 Gauge, Add	0.27	
			For 22 Gauge, Add	0.53	
			For 20 Gauge, Add	0.80	
			For 18 Gauge, Add	1.06	
			For 16 Gauge, Add	1.30	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.43	
			For Work In Restricted Working Space, Add	2.56	
			For Elevated Installation >10' To 15', Add	0.85	
			For Elevated Installation >15' To 20', Add	1.71	
			For Elevated Installation >20' To 25', Add	2.14	
			For Elevated Installation >25' To 30', Add	2.99	
			For Elevated Installation >30' To 35', Add	3.42	
			For Elevated Installation >35' To 40', Add	4.27	
			For Elevated Installation >40', Add	4.70	
23 31 13 16-0008	LF		10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct .....	12.63	5.70
			For 3" WG (Class B), Add	1.54	
			For 4" Or 6" WG (Class A), Add	4.10	
			For 28 Gauge, Deduct	-0.33	
			For 24 Gauge, Add	0.33	
			For 22 Gauge, Add	0.66	
			For 20 Gauge, Add	0.99	
			For 18 Gauge, Add	1.31	
			For 16 Gauge, Add	1.61	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.76	
			For Work In Restricted Working Space, Add	3.08	
			For Elevated Installation >10' To 15', Add	1.03	
			For Elevated Installation >15' To 20', Add	2.05	
			For Elevated Installation >20' To 25', Add	2.56	
			For Elevated Installation >25' To 30', Add	3.59	
			For Elevated Installation >30' To 35', Add	4.10	
			For Elevated Installation >35' To 40', Add	5.13	
			For Elevated Installation >40', Add	5.64	
23 31 13 16-0009	LF		12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct .....	15.75	7.64
			For 3" WG (Class B), Add	1.92	
			For 4" Or 6" WG (Class A), Add	5.13	
			For 28 Gauge, Deduct	-0.41	
			For 24 Gauge, Add	0.40	
			For 22 Gauge, Add	0.81	
			For 20 Gauge, Add	1.21	
			For 18 Gauge, Add	1.61	
			For 16 Gauge, Add	1.98	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.17	
			For Work In Restricted Working Space, Add	3.85	
			For Elevated Installation >10' To 15', Add	1.28	
			For Elevated Installation >15' To 20', Add	2.56	
			For Elevated Installation >20' To 25', Add	3.21	
			For Elevated Installation >25' To 30', Add	4.49	
			For Elevated Installation >30' To 35', Add	5.13	
			For Elevated Installation >35' To 40', Add	6.41	
			For Elevated Installation >40', Add	7.05	
23 31 13 16-0010	LF		14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct .....	19.44	11.39
			For 3" WG (Class B), Add	2.40	
			For 4" Or 6" WG (Class A), Add	6.41	
			For 28 Gauge, Deduct	-0.47	
			For 24 Gauge, Add	0.47	
			For 22 Gauge, Add	0.94	
			For 20 Gauge, Add	1.41	
			For 18 Gauge, Add	1.88	
			For 16 Gauge, Add	2.30	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.52	
			For Work In Restricted Working Space, Add	4.81	
			For Elevated Installation >10' To 15', Add	1.60	
			For Elevated Installation >15' To 20', Add	3.21	
			For Elevated Installation >20' To 25', Add	4.01	
			For Elevated Installation >25' To 30', Add	5.61	
			For Elevated Installation >30' To 35', Add	6.41	
			For Elevated Installation >35' To 40', Add	8.02	
			For Elevated Installation >40', Add	8.82	
23 31 13 16-0011	LF		16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct .....	26.42	15.27
			For 3" WG (Class B), Add	3.21	
			For 4" Or 6" WG (Class A), Add	8.55	
			For 28 Gauge, Deduct	-0.70	
			For 24 Gauge, Add	0.70	
			For 22 Gauge, Add	1.39	
			For 20 Gauge, Add	2.09	
			For 18 Gauge, Add	2.78	
			For 16 Gauge, Add	3.41	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.74	
			For Work In Restricted Working Space, Add	6.41	
			For Elevated Installation >10' To 15', Add	2.14	
			For Elevated Installation >15' To 20', Add	4.27	
			For Elevated Installation >20' To 25', Add	5.34	
			For Elevated Installation >25' To 30', Add	7.48	
			For Elevated Installation >30' To 35', Add	8.55	
			For Elevated Installation >35' To 40', Add	10.69	
			For Elevated Installation >40', Add	11.75	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 31 HVAC Ducts and Casings**



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 31 13 16-0012	LF	18" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct.....	31.25		18.34
		<i>For 28 Gauge, Deduct</i>	-0.78		
		<i>For 24 Gauge, Add</i>	0.77		
		<i>For 22 Gauge, Add</i>	1.55		
		<i>For 20 Gauge, Add</i>	2.32		
		<i>For 18 Gauge, Add</i>	3.09		
		<i>For 16 Gauge, Add</i>	3.79		
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	4.15		
		<i>For Work In Restricted Working Space, Add</i>	7.69		
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.56		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	5.13		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	6.41		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	8.97		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	10.26		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	12.82		
		<i>For Elevated Installation &gt;40', Add</i>	14.10		
23 31 13 16-0013	LF	20" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct.....	35.88		21.19
		<i>For 28 Gauge, Deduct</i>	-0.87		
		<i>For 24 Gauge, Add</i>	0.86		
		<i>For 22 Gauge, Add</i>	1.72		
		<i>For 20 Gauge, Add</i>	2.59		
		<i>For 18 Gauge, Add</i>	3.44		
		<i>For 16 Gauge, Add</i>	4.22		
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	4.63		
		<i>For Work In Restricted Working Space, Add</i>	8.89		
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.96		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	5.93		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	7.41		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	10.37		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	11.85		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	14.82		
		<i>For Elevated Installation &gt;40', Add</i>	16.30		
23 31 13 16-0014		<b>2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbows</b> <small>(23 31 13 16-0001)</small> Note: Up to 90 degree.			
23 31 13 16-0015	EA	4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow.....	35.17		15.21
		<i>For 3" WG (Class B), Add</i>	4.56		
		<i>For 4" Or 6" WG (Class A), Add</i>	12.17		
		<i>For 28 Gauge, Deduct</i>	-0.66		
		<i>For 24 Gauge, Add</i>	0.66		
		<i>For 22 Gauge, Add</i>	1.31		
		<i>For 20 Gauge, Add</i>	1.97		
		<i>For 18 Gauge, Add</i>	2.61		
		<i>For 16 Gauge, Add</i>	3.21		
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	3.52		
		<i>For Work In Restricted Working Space, Add</i>	9.13		
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.04		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	6.08		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	7.61		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	10.65		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	12.17		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	15.21		
		<i>For Elevated Installation &gt;40', Add</i>	16.73		
23 31 13 16-0016	EA	5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow.....	40.27		17.55
		<i>For 3" WG (Class B), Add</i>	5.27		
		<i>For 4" Or 6" WG (Class A), Add</i>	14.04		
		<i>For 28 Gauge, Deduct</i>	-0.72		
		<i>For 24 Gauge, Add</i>	0.71		
		<i>For 22 Gauge, Add</i>	1.42		
		<i>For 20 Gauge, Add</i>	2.14		
		<i>For 18 Gauge, Add</i>	2.84		
		<i>For 16 Gauge, Add</i>	3.49		
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	3.83		
		<i>For Work In Restricted Working Space, Add</i>	10.53		
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.51		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	7.02		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	8.78		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	12.29		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	14.04		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	17.55		
		<i>For Elevated Installation &gt;40', Add</i>	19.31		

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 31 13 16-0017	EA	6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow.....	47.29	20.74
		For 3" WG (Class B), Add	6.22	
		For 4" Or 6" WG (Class A), Add	16.59	
		For 28 Gauge, Deduct	-0.81	
		For 24 Gauge, Add	0.80	
		For 22 Gauge, Add	1.60	
		For 20 Gauge, Add	2.41	
		For 18 Gauge, Add	3.20	
		For 16 Gauge, Add	3.93	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.31	
		For Work In Restricted Working Space, Add	12.44	
		For Elevated Installation >10' To 15', Add	4.15	
		For Elevated Installation >15' To 20', Add	8.29	
		For Elevated Installation >20' To 25', Add	10.37	
		For Elevated Installation >25' To 30', Add	14.51	
		For Elevated Installation >30' To 35', Add	16.59	
		For Elevated Installation >35' To 40', Add	20.74	
		For Elevated Installation >40', Add	22.81	
23 31 13 16-0018	EA	7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow.....	60.48	26.66
		For 3" WG (Class B), Add	8.00	
		For 4" Or 6" WG (Class A), Add	21.33	
		For 28 Gauge, Deduct	-0.99	
		For 24 Gauge, Add	0.99	
		For 22 Gauge, Add	1.97	
		For 20 Gauge, Add	2.96	
		For 18 Gauge, Add	3.93	
		For 16 Gauge, Add	4.83	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.29	
		For Work In Restricted Working Space, Add	16.00	
		For Elevated Installation >10' To 15', Add	5.33	
		For Elevated Installation >15' To 20', Add	10.67	
		For Elevated Installation >20' To 25', Add	13.33	
		For Elevated Installation >25' To 30', Add	18.67	
		For Elevated Installation >30' To 35', Add	21.33	
		For Elevated Installation >35' To 40', Add	26.67	
		For Elevated Installation >40', Add	29.33	
23 31 13 16-0019	EA	8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow.....	72.67	32.48
		For 3" WG (Class B), Add	9.74	
		For 4" Or 6" WG (Class A), Add	25.98	
		For 28 Gauge, Deduct	-1.07	
		For 24 Gauge, Add	1.07	
		For 22 Gauge, Add	2.13	
		For 20 Gauge, Add	3.20	
		For 18 Gauge, Add	4.25	
		For 16 Gauge, Add	5.21	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.71	
		For Work In Restricted Working Space, Add	19.49	
		For Elevated Installation >10' To 15', Add	6.50	
		For Elevated Installation >15' To 20', Add	12.99	
		For Elevated Installation >20' To 25', Add	16.24	
		For Elevated Installation >25' To 30', Add	22.73	
		For Elevated Installation >30' To 35', Add	25.98	
		For Elevated Installation >35' To 40', Add	32.48	
		For Elevated Installation >40', Add	35.72	
23 31 13 16-0020	EA	10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow.....	111.60	50.71
		For 3" WG (Class B), Add	15.21	
		For 4" Or 6" WG (Class A), Add	40.56	
		For 28 Gauge, Deduct	-1.41	
		For 24 Gauge, Add	1.41	
		For 22 Gauge, Add	2.81	
		For 20 Gauge, Add	4.22	
		For 18 Gauge, Add	5.60	
		For 16 Gauge, Add	6.88	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.54	
		For Work In Restricted Working Space, Add	30.42	
		For Elevated Installation >10' To 15', Add	10.14	
		For Elevated Installation >15' To 20', Add	20.28	
		For Elevated Installation >20' To 25', Add	25.35	
		For Elevated Installation >25' To 30', Add	35.49	
		For Elevated Installation >30' To 35', Add	40.56	
		For Elevated Installation >35' To 40', Add	50.71	
		For Elevated Installation >40', Add	55.78	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13 16-0021	EA	12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow.....	153.95	70.08
			For 3" WG (Class B), Add	21.02	
			For 4" Or 6" WG (Class A), Add	56.06	
			For 28 Gauge, Deduct	-1.91	
			For 24 Gauge, Add	1.90	
			For 22 Gauge, Add	3.80	
			For 20 Gauge, Add	5.71	
			For 18 Gauge, Add	7.59	
			For 16 Gauge, Add	9.32	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	10.21	
			For Work In Restricted Working Space, Add	42.05	
			For Elevated Installation >10' To 15', Add	14.02	
			For Elevated Installation >15' To 20', Add	28.03	
			For Elevated Installation >20' To 25', Add	35.04	
			For Elevated Installation >25' To 30', Add	49.05	
			For Elevated Installation >30' To 35', Add	56.06	
			For Elevated Installation >35' To 40', Add	70.08	
			For Elevated Installation >40', Add	77.08	
23 31	13 16-0022	EA	14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow.....	186.95	82.89
			For 3" WG (Class B), Add	24.87	
			For 4" Or 6" WG (Class A), Add	66.32	
			For 28 Gauge, Deduct	-2.93	
			For 24 Gauge, Add	2.92	
			For 22 Gauge, Add	5.83	
			For 20 Gauge, Add	8.76	
			For 18 Gauge, Add	11.64	
			For 16 Gauge, Add	14.28	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	15.66	
			For Work In Restricted Working Space, Add	49.74	
			For Elevated Installation >10' To 15', Add	16.58	
			For Elevated Installation >15' To 20', Add	33.16	
			For Elevated Installation >20' To 25', Add	41.45	
			For Elevated Installation >25' To 30', Add	58.03	
			For Elevated Installation >30' To 35', Add	66.32	
			For Elevated Installation >35' To 40', Add	82.90	
			For Elevated Installation >40', Add	91.18	
23 31	13 16-0023	EA	16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow.....	212.64	91.15
			For 3" WG (Class B), Add	27.35	
			For 4" Or 6" WG (Class A), Add	72.92	
			For 28 Gauge, Deduct	-4.20	
			For 24 Gauge, Add	4.19	
			For 22 Gauge, Add	8.36	
			For 20 Gauge, Add	12.56	
			For 18 Gauge, Add	16.68	
			For 16 Gauge, Add	20.47	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	22.44	
			For Work In Restricted Working Space, Add	54.69	
			For Elevated Installation >10' To 15', Add	18.23	
			For Elevated Installation >15' To 20', Add	36.46	
			For Elevated Installation >20' To 25', Add	45.58	
			For Elevated Installation >25' To 30', Add	63.81	
			For Elevated Installation >30' To 35', Add	72.92	
			For Elevated Installation >35' To 40', Add	91.16	
			For Elevated Installation >40', Add	100.27	
23 31	13 16-0024	EA	18" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow.....	235.13	94.86
			For 3" WG (Class B), Add	28.46	
			For 4" Or 6" WG (Class A), Add	75.89	
			For 28 Gauge, Deduct	-6.29	
			For 24 Gauge, Add	6.27	
			For 22 Gauge, Add	12.51	
			For 20 Gauge, Add	18.80	
			For 18 Gauge, Add	24.98	
			For 16 Gauge, Add	30.65	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	33.60	
			For Work In Restricted Working Space, Add	56.92	
			For Elevated Installation >10' To 15', Add	18.97	
			For Elevated Installation >15' To 20', Add	37.94	
			For Elevated Installation >20' To 25', Add	47.43	
			For Elevated Installation >25' To 30', Add	66.40	
			For Elevated Installation >30' To 35', Add	75.89	
			For Elevated Installation >35' To 40', Add	94.86	
			For Elevated Installation >40', Add	104.35	
			For 10" WG (Class A), Add	87.27	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 31 13 16-0025	EA		20" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow.....	256.52	97.99
			For 3" WG (Class B), Add	29.40	
			For 4" Or 6" WG (Class A), Add	78.39	
			For 28 Gauge, Deduct	-8.38	
			For 24 Gauge, Add	8.35	
			For 22 Gauge, Add	16.68	
			For 20 Gauge, Add	25.06	
			For 18 Gauge, Add	33.30	
			For 16 Gauge, Add	40.86	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	44.80	
			For Work In Restricted Working Space, Add	58.79	
			For Elevated Installation >10' To 15', Add	19.60	
			For Elevated Installation >15' To 20', Add	39.20	
			For Elevated Installation >20' To 25', Add	49.00	
			For Elevated Installation >25' To 30', Add	68.59	
			For Elevated Installation >30' To 35', Add	78.39	
			For Elevated Installation >35' To 40', Add	97.99	
			For Elevated Installation >40', Add	107.79	
			For 10" WG (Class A), Add	90.15	

**23 31 13 16-0026 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbows (23 31 13 16-0001)**

23 31 13 16-0027	EA		4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	29.63	10.25
			For 3" WG (Class B), Add	3.85	
			For 4" Or 6" WG (Class A), Add	10.26	
			For 28 Gauge, Deduct	-0.55	
			For 24 Gauge, Add	0.55	
			For 22 Gauge, Add	1.10	
			For 20 Gauge, Add	1.65	
			For 18 Gauge, Add	2.19	
			For 16 Gauge, Add	2.69	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.95	
			For Work In Restricted Working Space, Add	7.69	
			For Elevated Installation >10' To 15', Add	2.56	
			For Elevated Installation >15' To 20', Add	5.13	
			For Elevated Installation >20' To 25', Add	6.41	
			For Elevated Installation >25' To 30', Add	8.97	
			For Elevated Installation >30' To 35', Add	10.26	
			For Elevated Installation >35' To 40', Add	12.82	
			For Elevated Installation >40', Add	14.10	

23 31 13 16-0028	EA		5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	33.85	11.74
			For 3" WG (Class B), Add	4.40	
			For 4" Or 6" WG (Class A), Add	11.72	
			For 28 Gauge, Deduct	-0.63	
			For 24 Gauge, Add	0.63	
			For 22 Gauge, Add	1.25	
			For 20 Gauge, Add	1.88	
			For 18 Gauge, Add	2.50	
			For 16 Gauge, Add	3.07	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.37	
			For Work In Restricted Working Space, Add	8.79	
			For Elevated Installation >10' To 15', Add	2.93	
			For Elevated Installation >15' To 20', Add	5.86	
			For Elevated Installation >20' To 25', Add	7.33	
			For Elevated Installation >25' To 30', Add	10.26	
			For Elevated Installation >30' To 35', Add	11.72	
			For Elevated Installation >35' To 40', Add	14.65	
			For Elevated Installation >40', Add	16.12	

23 31 13 16-0029	EA		6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	39.37	13.67
			For 3" WG (Class B), Add	5.13	
			For 4" Or 6" WG (Class A), Add	13.67	
			For 28 Gauge, Deduct	-0.72	
			For 24 Gauge, Add	0.72	
			For 22 Gauge, Add	1.43	
			For 20 Gauge, Add	2.15	
			For 18 Gauge, Add	2.85	
			For 16 Gauge, Add	3.50	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.84	
			For Work In Restricted Working Space, Add	10.25	
			For Elevated Installation >10' To 15', Add	3.42	
			For Elevated Installation >15' To 20', Add	6.84	
			For Elevated Installation >20' To 25', Add	8.55	
			For Elevated Installation >25' To 30', Add	11.96	
			For Elevated Installation >30' To 35', Add	13.67	
			For Elevated Installation >35' To 40', Add	17.09	
			For Elevated Installation >40', Add	18.80	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13 16-0030	EA	7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	46.51	16.41
			For 3" WG (Class B), Add	6.15	
			For 4" Or 6" WG (Class A), Add	16.41	
			For 28 Gauge, Deduct	-0.76	
			For 24 Gauge, Add	0.76	
			For 22 Gauge, Add	1.51	
			For 20 Gauge, Add	2.27	
			For 18 Gauge, Add	3.02	
			For 16 Gauge, Add	3.71	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.06	
			For Work In Restricted Working Space, Add	12.31	
			For Elevated Installation >10' To 15', Add	4.10	
			For Elevated Installation >15' To 20', Add	8.20	
			For Elevated Installation >20' To 25', Add	10.26	
			For Elevated Installation >25' To 30', Add	14.36	
			For Elevated Installation >30' To 35', Add	16.41	
			For Elevated Installation >35' To 40', Add	20.51	
			For Elevated Installation >40', Add	22.56	
23 31	13 16-0031	EA	8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	57.65	20.51
			For 3" WG (Class B), Add	7.69	
			For 4" Or 6" WG (Class A), Add	20.51	
			For 28 Gauge, Deduct	-0.88	
			For 24 Gauge, Add	0.88	
			For 22 Gauge, Add	1.76	
			For 20 Gauge, Add	2.64	
			For 18 Gauge, Add	3.51	
			For 16 Gauge, Add	4.31	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.72	
			For Work In Restricted Working Space, Add	15.38	
			For Elevated Installation >10' To 15', Add	5.13	
			For Elevated Installation >15' To 20', Add	10.25	
			For Elevated Installation >20' To 25', Add	12.82	
			For Elevated Installation >25' To 30', Add	17.94	
			For Elevated Installation >30' To 35', Add	20.51	
			For Elevated Installation >35' To 40', Add	25.64	
			For Elevated Installation >40', Add	28.20	
23 31	13 16-0032	EA	10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	77.48	27.35
			For 3" WG (Class B), Add	10.26	
			For 4" Or 6" WG (Class A), Add	27.35	
			For 28 Gauge, Deduct	-1.26	
			For 24 Gauge, Add	1.26	
			For 22 Gauge, Add	2.51	
			For 20 Gauge, Add	3.77	
			For 18 Gauge, Add	5.01	
			For 16 Gauge, Add	6.15	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.74	
			For Work In Restricted Working Space, Add	20.51	
			For Elevated Installation >10' To 15', Add	6.84	
			For Elevated Installation >15' To 20', Add	13.67	
			For Elevated Installation >20' To 25', Add	17.09	
			For Elevated Installation >25' To 30', Add	23.93	
			For Elevated Installation >30' To 35', Add	27.35	
			For Elevated Installation >35' To 40', Add	34.19	
			For Elevated Installation >40', Add	37.60	
23 31	13 16-0033	EA	12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	114.60	41.02
			For 3" WG (Class B), Add	15.38	
			For 4" Or 6" WG (Class A), Add	41.02	
			For 28 Gauge, Deduct	-1.67	
			For 24 Gauge, Add	1.66	
			For 22 Gauge, Add	3.32	
			For 20 Gauge, Add	4.99	
			For 18 Gauge, Add	6.63	
			For 16 Gauge, Add	8.13	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	8.92	
			For Work In Restricted Working Space, Add	30.77	
			For Elevated Installation >10' To 15', Add	10.26	
			For Elevated Installation >15' To 20', Add	20.51	
			For Elevated Installation >20' To 25', Add	25.64	
			For Elevated Installation >25' To 30', Add	35.89	
			For Elevated Installation >30' To 35', Add	41.02	
			For Elevated Installation >35' To 40', Add	51.28	
			For Elevated Installation >40', Add	56.40	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0034	EA		14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	153.59	52.41
			For 3" WG (Class B), Add	19.65	
			For 4" Or 6" WG (Class A), Add	52.41	
			For 28 Gauge, Deduct	-3.12	
			For 24 Gauge, Add	3.11	
			For 22 Gauge, Add	6.22	
			For 20 Gauge, Add	9.34	
			For 18 Gauge, Add	12.41	
			For 16 Gauge, Add	15.23	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	16.69	
			For Work In Restricted Working Space, Add	39.31	
			For Elevated Installation >10' To 15', Add	13.10	
			For Elevated Installation >15' To 20', Add	26.21	
			For Elevated Installation >20' To 25', Add	32.76	
			For Elevated Installation >25' To 30', Add	45.86	
			For Elevated Installation >30' To 35', Add	52.41	
			For Elevated Installation >35' To 40', Add	65.52	
			For Elevated Installation >40', Add	72.07	
23 31 13 16-0035	EA		16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	192.83	66.09
			For 3" WG (Class B), Add	24.78	
			For 4" Or 6" WG (Class A), Add	66.09	
			For 28 Gauge, Deduct	-3.82	
			For 24 Gauge, Add	3.81	
			For 22 Gauge, Add	7.61	
			For 20 Gauge, Add	11.43	
			For 18 Gauge, Add	15.19	
			For 16 Gauge, Add	18.64	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	20.43	
			For Work In Restricted Working Space, Add	49.57	
			For Elevated Installation >10' To 15', Add	16.52	
			For Elevated Installation >15' To 20', Add	33.04	
			For Elevated Installation >20' To 25', Add	41.31	
			For Elevated Installation >25' To 30', Add	57.83	
			For Elevated Installation >30' To 35', Add	66.09	
			For Elevated Installation >35' To 40', Add	82.61	
			For Elevated Installation >40', Add	90.87	
23 31 13 16-0036	EA		18" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	214.94	68.93
			For 3" WG (Class B), Add	25.81	
			For 4" Or 6" WG (Class A), Add	68.82	
			For 28 Gauge, Deduct	-5.94	
			For 24 Gauge, Add	5.92	
			For 22 Gauge, Add	11.82	
			For 20 Gauge, Add	17.76	
			For 18 Gauge, Add	23.59	
			For 16 Gauge, Add	28.95	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	31.74	
			For Work In Restricted Working Space, Add	51.62	
			For Elevated Installation >10' To 15', Add	17.21	
			For Elevated Installation >15' To 20', Add	34.41	
			For Elevated Installation >20' To 25', Add	43.01	
			For Elevated Installation >25' To 30', Add	60.22	
			For Elevated Installation >30' To 35', Add	68.82	
			For Elevated Installation >35' To 40', Add	86.03	
			For Elevated Installation >40', Add	94.63	
			For 10" WG (Class A), Add	79.14	
23 31 13 16-0037	EA		20" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	233.79	70.64
			For 3" WG (Class B), Add	26.49	
			For 4" Or 6" WG (Class A), Add	70.64	
			For 28 Gauge, Deduct	-7.92	
			For 24 Gauge, Add	7.89	
			For 22 Gauge, Add	15.75	
			For 20 Gauge, Add	23.67	
			For 18 Gauge, Add	31.45	
			For 16 Gauge, Add	38.60	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	42.31	
			For Work In Restricted Working Space, Add	52.98	
			For Elevated Installation >10' To 15', Add	17.66	
			For Elevated Installation >15' To 20', Add	35.32	
			For Elevated Installation >20' To 25', Add	44.15	
			For Elevated Installation >25' To 30', Add	61.81	
			For Elevated Installation >30' To 35', Add	70.64	
			For Elevated Installation >35' To 40', Add	88.31	
			For Elevated Installation >40', Add	97.14	
			For 10" WG (Class A), Add	81.24	

23 31 13 16-0038 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbows (23 31 13 16-0001)

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0039	EA		4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	28.15	10.25
			For 3" WG (Class B), Add	3.85	
			For 4" Or 6" WG (Class A), Add	10.26	
			For 28 Gauge, Deduct	-0.35	
			For 24 Gauge, Add	0.35	
			For 22 Gauge, Add	0.69	
			For 20 Gauge, Add	1.04	
			For 18 Gauge, Add	1.38	
			For 16 Gauge, Add	1.69	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.86	
			For Work In Restricted Working Space, Add	7.69	
			For Elevated Installation >10' To 15', Add	2.56	
			For Elevated Installation >15' To 20', Add	5.13	
			For Elevated Installation >20' To 25', Add	6.41	
			For Elevated Installation >25' To 30', Add	8.97	
			For Elevated Installation >30' To 35', Add	10.26	
			For Elevated Installation >35' To 40', Add	12.82	
			For Elevated Installation >40', Add	14.10	
23 31 13 16-0040	EA		5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	32.52	11.74
			For 3" WG (Class B), Add	4.40	
			For 4" Or 6" WG (Class A), Add	11.72	
			For 28 Gauge, Deduct	-0.45	
			For 24 Gauge, Add	0.44	
			For 22 Gauge, Add	0.89	
			For 20 Gauge, Add	1.33	
			For 18 Gauge, Add	1.77	
			For 16 Gauge, Add	2.17	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.38	
			For Work In Restricted Working Space, Add	8.79	
			For Elevated Installation >10' To 15', Add	2.93	
			For Elevated Installation >15' To 20', Add	5.86	
			For Elevated Installation >20' To 25', Add	7.33	
			For Elevated Installation >25' To 30', Add	10.26	
			For Elevated Installation >30' To 35', Add	11.72	
			For Elevated Installation >35' To 40', Add	14.65	
			For Elevated Installation >40', Add	16.12	
23 31 13 16-0041	EA		6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	37.70	13.67
			For 3" WG (Class B), Add	5.13	
			For 4" Or 6" WG (Class A), Add	13.67	
			For 28 Gauge, Deduct	-0.49	
			For 24 Gauge, Add	0.49	
			For 22 Gauge, Add	0.97	
			For 20 Gauge, Add	1.46	
			For 18 Gauge, Add	1.94	
			For 16 Gauge, Add	2.38	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.60	
			For Work In Restricted Working Space, Add	10.25	
			For Elevated Installation >10' To 15', Add	3.42	
			For Elevated Installation >15' To 20', Add	6.84	
			For Elevated Installation >20' To 25', Add	8.55	
			For Elevated Installation >25' To 30', Add	11.96	
			For Elevated Installation >30' To 35', Add	13.67	
			For Elevated Installation >35' To 40', Add	17.09	
			For Elevated Installation >40', Add	18.80	
23 31 13 16-0042	EA		7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	45.10	16.41
			For 3" WG (Class B), Add	6.15	
			For 4" Or 6" WG (Class A), Add	16.41	
			For 28 Gauge, Deduct	-0.57	
			For 24 Gauge, Add	0.56	
			For 22 Gauge, Add	1.12	
			For 20 Gauge, Add	1.69	
			For 18 Gauge, Add	2.24	
			For 16 Gauge, Add	2.75	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.02	
			For Work In Restricted Working Space, Add	12.31	
			For Elevated Installation >10' To 15', Add	4.10	
			For Elevated Installation >15' To 20', Add	8.20	
			For Elevated Installation >20' To 25', Add	10.26	
			For Elevated Installation >25' To 30', Add	14.36	
			For Elevated Installation >30' To 35', Add	16.41	
			For Elevated Installation >35' To 40', Add	20.51	
			For Elevated Installation >40', Add	22.56	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 31 13 16-0043	EA	8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	55.91		20.51
		For 3" WG (Class B), Add	7.69		
		For 4" Or 6" WG (Class A), Add	20.51		
		For 28 Gauge, Deduct	-0.64		
		For 24 Gauge, Add	0.64		
		For 22 Gauge, Add	1.28		
		For 20 Gauge, Add	1.92		
		For 18 Gauge, Add	2.55		
		For 16 Gauge, Add	3.13		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.43		
		For Work In Restricted Working Space, Add	15.38		
		For Elevated Installation >10' To 15', Add	5.13		
		For Elevated Installation >15' To 20', Add	10.25		
		For Elevated Installation >20' To 25', Add	12.82		
		For Elevated Installation >25' To 30', Add	17.94		
		For Elevated Installation >30' To 35', Add	20.51		
		For Elevated Installation >35' To 40', Add	25.64		
		For Elevated Installation >40', Add	28.20		
23 31 13 16-0044	EA	10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	75.45		27.35
		For 3" WG (Class B), Add	10.26		
		For 4" Or 6" WG (Class A), Add	27.35		
		For 28 Gauge, Deduct	-0.98		
		For 24 Gauge, Add	0.98		
		For 22 Gauge, Add	1.95		
		For 20 Gauge, Add	2.93		
		For 18 Gauge, Add	3.89		
		For 16 Gauge, Add	4.78		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.24		
		For Work In Restricted Working Space, Add	20.51		
		For Elevated Installation >10' To 15', Add	6.84		
		For Elevated Installation >15' To 20', Add	13.67		
		For Elevated Installation >20' To 25', Add	17.09		
		For Elevated Installation >25' To 30', Add	23.93		
		For Elevated Installation >30' To 35', Add	27.35		
		For Elevated Installation >35' To 40', Add	34.19		
		For Elevated Installation >40', Add	37.60		
23 31 13 16-0045	EA	12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	111.66		41.02
		For 3" WG (Class B), Add	15.38		
		For 4" Or 6" WG (Class A), Add	41.02		
		For 28 Gauge, Deduct	-1.26		
		For 24 Gauge, Add	1.26		
		For 22 Gauge, Add	2.51		
		For 20 Gauge, Add	3.77		
		For 18 Gauge, Add	5.01		
		For 16 Gauge, Add	6.15		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.74		
		For Work In Restricted Working Space, Add	30.77		
		For Elevated Installation >10' To 15', Add	10.26		
		For Elevated Installation >15' To 20', Add	20.51		
		For Elevated Installation >20' To 25', Add	25.64		
		For Elevated Installation >25' To 30', Add	35.89		
		For Elevated Installation >30' To 35', Add	41.02		
		For Elevated Installation >35' To 40', Add	51.28		
		For Elevated Installation >40', Add	56.40		
23 31 13 16-0046	EA	14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	146.80		52.41
		For 3" WG (Class B), Add	19.65		
		For 4" Or 6" WG (Class A), Add	52.41		
		For 28 Gauge, Deduct	-2.18		
		For 24 Gauge, Add	2.18		
		For 22 Gauge, Add	4.34		
		For 20 Gauge, Add	6.53		
		For 18 Gauge, Add	8.67		
		For 16 Gauge, Add	10.64		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	11.67		
		For Work In Restricted Working Space, Add	39.31		
		For Elevated Installation >10' To 15', Add	13.10		
		For Elevated Installation >15' To 20', Add	26.21		
		For Elevated Installation >20' To 25', Add	32.76		
		For Elevated Installation >25' To 30', Add	45.86		
		For Elevated Installation >30' To 35', Add	52.41		
		For Elevated Installation >35' To 40', Add	65.52		
		For Elevated Installation >40', Add	72.07		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 31 13 16-0047	EA	16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	191.08	66.09
		For 3" WG (Class B), Add	24.78	
		For 4" Or 6" WG (Class A), Add	66.09	
		For 28 Gauge, Deduct	-3.58	
		For 24 Gauge, Add	3.57	
		For 22 Gauge, Add	7.12	
		For 20 Gauge, Add	10.71	
		For 18 Gauge, Add	14.22	
		For 16 Gauge, Add	17.46	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	19.14	
		For Work In Restricted Working Space, Add	49.57	
		For Elevated Installation >10' To 15', Add	16.52	
		For Elevated Installation >15' To 20', Add	33.04	
		For Elevated Installation >20' To 25', Add	41.31	
		For Elevated Installation >25' To 30', Add	57.83	
		For Elevated Installation >30' To 35', Add	66.09	
		For Elevated Installation >35' To 40', Add	82.61	
		For Elevated Installation >40', Add	90.87	
23 31 13 16-0048	EA	18" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	203.30	68.93
		For 3" WG (Class B), Add	25.81	
		For 4" Or 6" WG (Class A), Add	68.82	
		For 28 Gauge, Deduct	-4.33	
		For 24 Gauge, Add	4.31	
		For 22 Gauge, Add	8.61	
		For 20 Gauge, Add	12.94	
		For 18 Gauge, Add	17.19	
		For 16 Gauge, Add	21.09	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	23.13	
		For Work In Restricted Working Space, Add	51.62	
		For Elevated Installation >10' To 15', Add	17.21	
		For Elevated Installation >15' To 20', Add	34.41	
		For Elevated Installation >20' To 25', Add	43.01	
		For Elevated Installation >25' To 30', Add	60.22	
		For Elevated Installation >30' To 35', Add	68.82	
		For Elevated Installation >35' To 40', Add	86.03	
		For Elevated Installation >40', Add	94.63	
		For 10" WG (Class A), Add	79.14	
23 31 13 16-0049	EA	20" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	216.65	70.64
		For 3" WG (Class B), Add	26.49	
		For 4" Or 6" WG (Class A), Add	70.64	
		For 28 Gauge, Deduct	-5.55	
		For 24 Gauge, Add	5.53	
		For 22 Gauge, Add	11.03	
		For 20 Gauge, Add	16.58	
		For 18 Gauge, Add	22.02	
		For 16 Gauge, Add	27.03	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	29.63	
		For Work In Restricted Working Space, Add	52.98	
		For Elevated Installation >10' To 15', Add	17.66	
		For Elevated Installation >15' To 20', Add	35.32	
		For Elevated Installation >20' To 25', Add	44.15	
		For Elevated Installation >25' To 30', Add	61.81	
		For Elevated Installation >30' To 35', Add	70.64	
		For Elevated Installation >35' To 40', Add	88.31	
		For Elevated Installation >40', Add	97.14	
		For 10" WG (Class A), Add	81.24	
23 31 13 16-0050		2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tees <small>(23 31 13 16-0001)</small>		
23 31 13 16-0051	EA	4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	44.04	15.38
		For 3" WG (Class B), Add	5.77	
		For 4" Or 6" WG (Class A), Add	15.38	
		For 28 Gauge, Deduct	-0.77	
		For 24 Gauge, Add	0.77	
		For 22 Gauge, Add	1.54	
		For 20 Gauge, Add	2.31	
		For 18 Gauge, Add	3.07	
		For 16 Gauge, Add	3.77	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.14	
		For Work In Restricted Working Space, Add	11.54	
		For Elevated Installation >10' To 15', Add	3.85	
		For Elevated Installation >15' To 20', Add	7.69	
		For Elevated Installation >20' To 25', Add	9.61	
		For Elevated Installation >25' To 30', Add	13.46	
		For Elevated Installation >30' To 35', Add	15.38	
		For Elevated Installation >35' To 40', Add	19.23	
		For Elevated Installation >40', Add	21.15	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0052	EA		5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	51.38	17.55
			For 3" WG (Class B), Add	6.59	
			For 4" Or 6" WG (Class A), Add	17.58	
			For 28 Gauge, Deduct	-1.03	
			For 24 Gauge, Add	1.03	
			For 22 Gauge, Add	2.05	
			For 20 Gauge, Add	3.08	
			For 18 Gauge, Add	4.09	
			For 16 Gauge, Add	5.02	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.50	
			For Work In Restricted Working Space, Add	13.19	
			For Elevated Installation >10' To 15', Add	4.40	
			For Elevated Installation >15' To 20', Add	8.79	
			For Elevated Installation >20' To 25', Add	10.99	
			For Elevated Installation >25' To 30', Add	15.38	
			For Elevated Installation >30' To 35', Add	17.58	
			For Elevated Installation >35' To 40', Add	21.98	
			For Elevated Installation >40', Add	24.17	
23 31 13 16-0053	EA		6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	59.33	20.51
			For 3" WG (Class B), Add	7.69	
			For 4" Or 6" WG (Class A), Add	20.51	
			For 28 Gauge, Deduct	-1.12	
			For 24 Gauge, Add	1.11	
			For 22 Gauge, Add	2.22	
			For 20 Gauge, Add	3.34	
			For 18 Gauge, Add	4.43	
			For 16 Gauge, Add	5.44	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.96	
			For Work In Restricted Working Space, Add	15.38	
			For Elevated Installation >10' To 15', Add	5.13	
			For Elevated Installation >15' To 20', Add	10.25	
			For Elevated Installation >20' To 25', Add	12.82	
			For Elevated Installation >25' To 30', Add	17.94	
			For Elevated Installation >30' To 35', Add	20.51	
			For Elevated Installation >35' To 40', Add	25.64	
			For Elevated Installation >40', Add	28.20	
23 31 13 16-0054	EA		7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	70.81	24.61
			For 3" WG (Class B), Add	9.23	
			For 4" Or 6" WG (Class A), Add	24.61	
			For 28 Gauge, Deduct	-1.29	
			For 24 Gauge, Add	1.28	
			For 22 Gauge, Add	2.56	
			For 20 Gauge, Add	3.84	
			For 18 Gauge, Add	5.10	
			For 16 Gauge, Add	6.26	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.87	
			For Work In Restricted Working Space, Add	18.46	
			For Elevated Installation >10' To 15', Add	6.15	
			For Elevated Installation >15' To 20', Add	12.31	
			For Elevated Installation >20' To 25', Add	15.38	
			For Elevated Installation >25' To 30', Add	21.54	
			For Elevated Installation >30' To 35', Add	24.61	
			For Elevated Installation >35' To 40', Add	30.77	
			For Elevated Installation >40', Add	33.84	
23 31 13 16-0055	EA		8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	91.92	30.76
			For 3" WG (Class B), Add	11.54	
			For 4" Or 6" WG (Class A), Add	30.77	
			For 28 Gauge, Deduct	-2.08	
			For 24 Gauge, Add	2.07	
			For 22 Gauge, Add	4.13	
			For 20 Gauge, Add	6.21	
			For 18 Gauge, Add	8.25	
			For 16 Gauge, Add	10.13	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	11.10	
			For Work In Restricted Working Space, Add	23.08	
			For Elevated Installation >10' To 15', Add	7.69	
			For Elevated Installation >15' To 20', Add	15.38	
			For Elevated Installation >20' To 25', Add	19.23	
			For Elevated Installation >25' To 30', Add	26.92	
			For Elevated Installation >30' To 35', Add	30.77	
			For Elevated Installation >35' To 40', Add	38.46	
			For Elevated Installation >40', Add	42.31	
23 31 13 16-0056	EA		10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	121.68	41.02
			For 3" WG (Class B), Add	15.38	
			For 4" Or 6" WG (Class A), Add	41.02	
			For 28 Gauge, Deduct	-2.65	
			For 24 Gauge, Add	2.64	
			For 22 Gauge, Add	5.27	
			For 20 Gauge, Add	7.92	
			For 18 Gauge, Add	10.52	
			For 16 Gauge, Add	12.91	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	14.16	
			For Work In Restricted Working Space, Add	30.77	
			For Elevated Installation >10' To 15', Add	10.26	
			For Elevated Installation >15' To 20', Add	20.51	
			For Elevated Installation >20' To 25', Add	25.64	
			For Elevated Installation >25' To 30', Add	35.89	
			For Elevated Installation >30' To 35', Add	41.02	
			For Elevated Installation >35' To 40', Add	51.28	
			For Elevated Installation >40', Add	56.40	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 31 HVAC Ducts and Casings**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 31 13 16-0057	EA 12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	172.92	61.53
	For 3" WG (Class B), Add	23.07	
	For 4" Or 6" WG (Class A), Add	61.52	
	For 28 Gauge, Deduct	-2.65	
	For 24 Gauge, Add	2.64	
	For 22 Gauge, Add	5.27	
	For 20 Gauge, Add	7.92	
	For 18 Gauge, Add	10.52	
	For 16 Gauge, Add	12.91	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	14.16	
	For Work In Restricted Working Space, Add	46.14	
	For Elevated Installation >10' To 15', Add	15.38	
	For Elevated Installation >15' To 20', Add	30.76	
	For Elevated Installation >20' To 25', Add	38.45	
	For Elevated Installation >25' To 30', Add	53.83	
	For Elevated Installation >30' To 35', Add	61.52	
	For Elevated Installation >35' To 40', Add	76.90	
	For Elevated Installation >40', Add	84.58	
23 31 13 16-0058	EA 14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	232.89	78.39
	For 3" WG (Class B), Add	29.47	
	For 4" Or 6" WG (Class A), Add	78.58	
	For 28 Gauge, Deduct	-5.05	
	For 24 Gauge, Add	5.03	
	For 22 Gauge, Add	10.04	
	For 20 Gauge, Add	15.09	
	For 18 Gauge, Add	20.04	
	For 16 Gauge, Add	24.60	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	26.97	
	For Work In Restricted Working Space, Add	58.94	
	For Elevated Installation >10' To 15', Add	19.65	
	For Elevated Installation >15' To 20', Add	39.29	
	For Elevated Installation >20' To 25', Add	49.11	
	For Elevated Installation >25' To 30', Add	68.76	
	For Elevated Installation >30' To 35', Add	78.58	
	For Elevated Installation >35' To 40', Add	98.23	
	For Elevated Installation >40', Add	108.05	
23 31 13 16-0059	EA 16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	298.85	99.36
	For 3" WG (Class B), Add	37.16	
	For 4" Or 6" WG (Class A), Add	99.08	
	For 28 Gauge, Deduct	-7.08	
	For 24 Gauge, Add	7.06	
	For 22 Gauge, Add	14.09	
	For 20 Gauge, Add	21.18	
	For 18 Gauge, Add	28.13	
	For 16 Gauge, Add	34.53	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	37.85	
	For Work In Restricted Working Space, Add	74.31	
	For Elevated Installation >10' To 15', Add	24.77	
	For Elevated Installation >15' To 20', Add	49.54	
	For Elevated Installation >20' To 25', Add	61.93	
	For Elevated Installation >25' To 30', Add	86.70	
	For Elevated Installation >30' To 35', Add	99.08	
	For Elevated Installation >35' To 40', Add	123.85	
	For Elevated Installation >40', Add	136.24	
23 31 13 16-0060	EA 18" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	342.05	110.52
	For 3" WG (Class B), Add	41.53	
	For 4" Or 6" WG (Class A), Add	110.75	
	For 28 Gauge, Deduct	-9.03	
	For 24 Gauge, Add	8.99	
	For 22 Gauge, Add	17.95	
	For 20 Gauge, Add	26.98	
	For 18 Gauge, Add	35.84	
	For 16 Gauge, Add	43.99	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	48.23	
	For Work In Restricted Working Space, Add	83.06	
	For Elevated Installation >10' To 15', Add	27.69	
	For Elevated Installation >15' To 20', Add	55.38	
	For Elevated Installation >20' To 25', Add	69.22	
	For Elevated Installation >25' To 30', Add	96.91	
	For Elevated Installation >30' To 35', Add	110.75	
	For Elevated Installation >35' To 40', Add	138.44	
	For Elevated Installation >40', Add	152.28	
	For 10" WG (Class A), Add	127.36	
23 31 13 16-0061	EA 20" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	358.32	114.51
	For 3" WG (Class B), Add	42.90	
	For 4" Or 6" WG (Class A), Add	114.40	
	For 28 Gauge, Deduct	-10.02	
	For 24 Gauge, Add	9.98	
	For 22 Gauge, Add	19.92	
	For 20 Gauge, Add	29.94	
	For 18 Gauge, Add	39.78	
	For 16 Gauge, Add	48.82	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	53.52	
	For Work In Restricted Working Space, Add	85.80	
	For Elevated Installation >10' To 15', Add	28.60	
	For Elevated Installation >15' To 20', Add	57.20	
	For Elevated Installation >20' To 25', Add	71.50	
	For Elevated Installation >25' To 30', Add	100.10	
	For Elevated Installation >30' To 35', Add	114.40	
	For Elevated Installation >35' To 40', Add	143.00	
	For Elevated Installation >40', Add	157.30	
	For 10" WG (Class A), Add	131.56	

23 31 13 16-0062		2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connectors <small>(23 31 13 16-0001)</small>	
23 31 13 16-0063	EA	4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector .....	20.11
		For 3" WG (Class B), Add	2.73
		For 4" Or 6" WG (Class A), Add	7.29
		For Work In Restricted Working Space, Add	5.47
		For Elevated Installation >10' To 15', Add	1.82
		For Elevated Installation >15' To 20', Add	3.65
		For Elevated Installation >20' To 25', Add	4.56
		For Elevated Installation >25' To 30', Add	6.38
		For Elevated Installation >30' To 35', Add	7.29
		For Elevated Installation >35' To 40', Add	9.12
		For Elevated Installation >40', Add	10.03
23 31 13 16-0064	EA	5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector .....	21.18
		For 3" WG (Class B), Add	2.87
		For 4" Or 6" WG (Class A), Add	7.66
		For Work In Restricted Working Space, Add	5.75
		For Elevated Installation >10' To 15', Add	1.92
		For Elevated Installation >15' To 20', Add	3.83
		For Elevated Installation >20' To 25', Add	4.79
		For Elevated Installation >25' To 30', Add	6.71
		For Elevated Installation >30' To 35', Add	7.66
		For Elevated Installation >35' To 40', Add	9.58
		For Elevated Installation >40', Add	10.54
23 31 13 16-0065	EA	6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector .....	22.68
		For 3" WG (Class B), Add	3.08
		For 4" Or 6" WG (Class A), Add	8.20
		For Work In Restricted Working Space, Add	6.15
		For Elevated Installation >10' To 15', Add	2.05
		For Elevated Installation >15' To 20', Add	4.10
		For Elevated Installation >20' To 25', Add	5.13
		For Elevated Installation >25' To 30', Add	7.18
		For Elevated Installation >30' To 35', Add	8.20
		For Elevated Installation >35' To 40', Add	10.26
		For Elevated Installation >40', Add	11.28
23 31 13 16-0066	EA	7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector .....	24.13
		For 3" WG (Class B), Add	3.25
		For 4" Or 6" WG (Class A), Add	8.66
		For Work In Restricted Working Space, Add	6.50
		For Elevated Installation >10' To 15', Add	2.17
		For Elevated Installation >15' To 20', Add	4.33
		For Elevated Installation >20' To 25', Add	5.41
		For Elevated Installation >25' To 30', Add	7.58
		For Elevated Installation >30' To 35', Add	8.66
		For Elevated Installation >35' To 40', Add	10.83
		For Elevated Installation >40', Add	11.91
23 31 13 16-0067	EA	8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector .....	26.16
		For 3" WG (Class B), Add	3.50
		For 4" Or 6" WG (Class A), Add	9.34
		For Work In Restricted Working Space, Add	7.01
		For Elevated Installation >10' To 15', Add	2.34
		For Elevated Installation >15' To 20', Add	4.67
		For Elevated Installation >20' To 25', Add	5.84
		For Elevated Installation >25' To 30', Add	8.18
		For Elevated Installation >30' To 35', Add	9.34
		For Elevated Installation >35' To 40', Add	11.68
		For Elevated Installation >40', Add	12.85
23 31 13 16-0068	EA	10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector .....	30.50
		For 3" WG (Class B), Add	3.91
		For 4" Or 6" WG (Class A), Add	10.44
		For Work In Restricted Working Space, Add	7.83
		For Elevated Installation >10' To 15', Add	2.61
		For Elevated Installation >15' To 20', Add	5.22
		For Elevated Installation >20' To 25', Add	6.52
		For Elevated Installation >25' To 30', Add	9.13
		For Elevated Installation >30' To 35', Add	10.44
		For Elevated Installation >35' To 40', Add	13.05
		For Elevated Installation >40', Add	14.35
23 31 13 16-0069	EA	12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector .....	41.80
		For 3" WG (Class B), Add	5.47
		For 4" Or 6" WG (Class A), Add	14.59
		For Work In Restricted Working Space, Add	10.94
		For Elevated Installation >10' To 15', Add	3.65
		For Elevated Installation >15' To 20', Add	7.29
		For Elevated Installation >20' To 25', Add	9.12
		For Elevated Installation >25' To 30', Add	12.76
		For Elevated Installation >30' To 35', Add	14.59
		For Elevated Installation >35' To 40', Add	18.24
		For Elevated Installation >40', Add	20.06

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 31 13 16-0070	EA	14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector	47.68	
		For 3" WG (Class B), Add	6.22	
		For 4" Or 6" WG (Class A), Add	16.60	
		For Work In Restricted Working Space, Add	12.45	
		For Elevated Installation >10' To 15', Add	4.15	
		For Elevated Installation >15' To 20', Add	8.30	
		For Elevated Installation >20' To 25', Add	10.37	
		For Elevated Installation >25' To 30', Add	14.52	
		For Elevated Installation >30' To 35', Add	16.60	
		For Elevated Installation >35' To 40', Add	20.75	
		For Elevated Installation >40', Add	22.82	
23 31 13 16-0071	EA	16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector	52.41	
		For 3" WG (Class B), Add	6.82	
		For 4" Or 6" WG (Class A), Add	18.19	
		For Work In Restricted Working Space, Add	13.64	
		For Elevated Installation >10' To 15', Add	4.55	
		For Elevated Installation >15' To 20', Add	9.09	
		For Elevated Installation >20' To 25', Add	11.37	
		For Elevated Installation >25' To 30', Add	15.91	
		For Elevated Installation >30' To 35', Add	18.19	
		For Elevated Installation >35' To 40', Add	22.74	
		For Elevated Installation >40', Add	25.01	
23 31 13 16-0072	EA	18" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector	56.98	
		For 3" WG (Class B), Add	7.38	
		For 4" Or 6" WG (Class A), Add	19.69	
		For Work In Restricted Working Space, Add	14.77	
		For Elevated Installation >10' To 15', Add	4.92	
		For Elevated Installation >15' To 20', Add	9.85	
		For Elevated Installation >20' To 25', Add	12.31	
		For Elevated Installation >25' To 30', Add	17.23	
		For Elevated Installation >30' To 35', Add	19.69	
		For Elevated Installation >35' To 40', Add	24.62	
		For Elevated Installation >40', Add	27.08	
		For 10" WG (Class A), Add	22.65	
23 31 13 16-0073	EA	20" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector	62.08	
		For 3" WG (Class B), Add	8.05	
		For 4" Or 6" WG (Class A), Add	21.47	
		For Work In Restricted Working Space, Add	16.10	
		For Elevated Installation >10' To 15', Add	5.37	
		For Elevated Installation >15' To 20', Add	10.73	
		For Elevated Installation >20' To 25', Add	13.42	
		For Elevated Installation >25' To 30', Add	18.78	
		For Elevated Installation >30' To 35', Add	21.47	
		For Elevated Installation >35' To 40', Add	26.84	
		For Elevated Installation >40', Add	29.52	
		For 10" WG (Class A), Add	24.69	
23 31 13 16-0074		Slip Joint, Galvanized, Spiral Duct And Fittings <small>(23 31 13 16)</small>		
23 31 13 16-0075		Slip Joint, Galvanized, Spiral Duct <small>(23 31 13 16-0074)</small>		
23 31 13 16-0076	LF	4" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct	9.32	1.05
		For 3" WG (Class B), Add	0.85	
		For 4" Or 6" WG (Class A), Add	2.26	
		For 24 Gauge, Add	0.74	
		For 22 Gauge, Add	1.69	
		For 20 Gauge, Add	2.76	
		For 18 Gauge, Add	4.23	
		For 16 Gauge, Add	5.15	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.72	
		For Work In Restricted Working Space, Add	1.69	
23 31 13 16-0077	LF	6" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct	12.09	2.11
		For 3" WG (Class B), Add	1.01	
		For 4" Or 6" WG (Class A), Add	2.70	
		For 24 Gauge, Add	1.07	
		For 22 Gauge, Add	2.45	
		For 20 Gauge, Add	4.00	
		For 18 Gauge, Add	6.13	
		For 16 Gauge, Add	7.46	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.94	
		For Work In Restricted Working Space, Add	2.03	
23 31 13 16-0078	LF	8" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct	15.41	2.11
		For 3" WG (Class B), Add	1.26	
		For 4" Or 6" WG (Class A), Add	3.36	
		For 24 Gauge, Add	1.40	
		For 22 Gauge, Add	3.23	
		For 20 Gauge, Add	5.27	
		For 18 Gauge, Add	8.07	
		For 16 Gauge, Add	9.83	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.19	
		For Work In Restricted Working Space, Add	2.52	
23 31 13 16-0079	LF	10" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct	18.75	2.11
		For 3" WG (Class B), Add	1.51	
		For 4" Or 6" WG (Class A), Add	4.03	
		For 24 Gauge, Add	1.73	
		For 22 Gauge, Add	3.99	
		For 20 Gauge, Add	6.50	
		For 18 Gauge, Add	9.97	
		For 16 Gauge, Add	12.14	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.42	
		For Work In Restricted Working Space, Add	3.02	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0080	LF		12" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct .....23.28	23.28	3.15
			For 3" WG (Class B), Add	1.89	
			For 4" Or 6" WG (Class A), Add	5.05	
			For 24 Gauge, Add	2.13	
			For 22 Gauge, Add	4.90	
			For 20 Gauge, Add	8.00	
			For 18 Gauge, Add	12.26	
			For 16 Gauge, Add	14.92	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.89	
			For Work In Restricted Working Space, Add	3.79	
23 31 13 16-0081	LF		14" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct .....28.13	28.13	3.15
			For 3" WG (Class B), Add	2.37	
			For 4" Or 6" WG (Class A), Add	6.31	
			For 24 Gauge, Add	2.47	
			For 22 Gauge, Add	5.68	
			For 20 Gauge, Add	9.26	
			For 18 Gauge, Add	14.20	
			For 16 Gauge, Add	17.29	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	9.14	
			For Work In Restricted Working Space, Add	4.73	
23 31 13 16-0082	LF		16" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct .....38.96	38.96	3.15
			For 3" WG (Class B), Add	3.15	
			For 4" Or 6" WG (Class A), Add	8.40	
			For 24 Gauge, Add	3.59	
			For 22 Gauge, Add	8.26	
			For 20 Gauge, Add	13.46	
			For 18 Gauge, Add	20.64	
			For 16 Gauge, Add	25.13	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	13.28	
			For Work In Restricted Working Space, Add	6.30	
23 31 13 16-0083	LF		18" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct .....44.39	44.39	4.20
			For 3" WG (Class B), Add	3.67	
			For 4" Or 6" WG (Class A), Add	9.80	
			For 24 Gauge, Add	3.98	
			For 22 Gauge, Add	9.15	
			For 20 Gauge, Add	14.93	
			For 18 Gauge, Add	22.89	
			For 16 Gauge, Add	27.86	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	14.73	
			For Work In Restricted Working Space, Add	7.35	
23 31 13 16-0084	LF		20" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct .....50.00	50.00	4.20
			For 3" WG (Class B), Add	4.17	
			For 4" Or 6" WG (Class A), Add	11.12	
			For 24 Gauge, Add	4.44	
			For 22 Gauge, Add	10.21	
			For 20 Gauge, Add	16.65	
			For 18 Gauge, Add	25.53	
			For 16 Gauge, Add	31.08	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	16.43	
			For Work In Restricted Working Space, Add	8.34	
23 31 13 16-0085	LF		22" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct .....55.86	55.86	5.26
			For 3" WG (Class B), Add	4.70	
			For 4" Or 6" WG (Class A), Add	12.53	
			For 24 Gauge, Add	4.91	
			For 22 Gauge, Add	11.29	
			For 20 Gauge, Add	18.41	
			For 18 Gauge, Add	28.22	
			For 16 Gauge, Add	34.36	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	18.16	
			For Work In Restricted Working Space, Add	9.40	
23 31 13 16-0086	LF		24" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct .....61.71	61.71	6.31
			For 3" WG (Class B), Add	5.26	
			For 4" Or 6" WG (Class A), Add	14.02	
			For 24 Gauge, Add	5.33	
			For 22 Gauge, Add	12.26	
			For 20 Gauge, Add	20.00	
			For 18 Gauge, Add	30.66	
			For 16 Gauge, Add	37.32	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	19.73	
			For Work In Restricted Working Space, Add	10.52	
<b>23 31 13 16-0087</b>			<b>Slip Joint, Galvanized, Spiral 90 Degree Elbows</b> <small>(23 31 13 16-0074)</small>		
23 31 13 16-0088	EA		4" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow .....67.08	67.08	14.72
			For 3" WG (Class B), Add	8.53	
			For 4" Or 6" WG (Class A), Add	22.74	
			For 24 Gauge, Add	2.05	
			For 22 Gauge, Add	4.71	
			For 20 Gauge, Add	7.68	
			For 18 Gauge, Add	11.78	
			For 16 Gauge, Add	14.34	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.58	
			For Work In Restricted Working Space, Add	17.05	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0089	EA		6" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow .....	98.66	21.03
			For 3" WG (Class B), Add	12.62	
			For 4" Or 6" WG (Class A), Add	33.65	
			For 24 Gauge, Add	2.91	
			For 22 Gauge, Add	6.68	
			For 20 Gauge, Add	10.90	
			For 18 Gauge, Add	16.71	
			For 16 Gauge, Add	20.34	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	10.75	
			For Work In Restricted Working Space, Add	25.24	
23 31 13 16-0090	EA		8" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow .....	138.42	27.34
			For 3" WG (Class B), Add	16.61	
			For 4" Or 6" WG (Class A), Add	44.28	
			For 24 Gauge, Add	5.54	
			For 22 Gauge, Add	12.75	
			For 20 Gauge, Add	20.79	
			For 18 Gauge, Add	31.88	
			For 16 Gauge, Add	38.81	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	20.51	
			For Work In Restricted Working Space, Add	33.21	
23 31 13 16-0091	EA		10" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow .....	172.85	34.71
			For 3" WG (Class B), Add	21.03	
			For 4" Or 6" WG (Class A), Add	56.08	
			For 24 Gauge, Add	6.53	
			For 22 Gauge, Add	15.01	
			For 20 Gauge, Add	24.48	
			For 18 Gauge, Add	37.54	
			For 16 Gauge, Add	45.70	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	24.15	
			For Work In Restricted Working Space, Add	42.06	
23 31 13 16-0092	EA		12" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow .....	213.59	44.17
			For 3" WG (Class B), Add	26.29	
			For 4" Or 6" WG (Class A), Add	70.11	
			For 24 Gauge, Add	7.66	
			For 22 Gauge, Add	17.63	
			For 20 Gauge, Add	28.74	
			For 18 Gauge, Add	44.07	
			For 16 Gauge, Add	53.65	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	28.36	
			For Work In Restricted Working Space, Add	52.58	
23 31 13 16-0093	EA		14" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow .....	233.86	48.37
			For 3" WG (Class B), Add	28.68	
			For 4" Or 6" WG (Class A), Add	76.48	
			For 24 Gauge, Add	8.53	
			For 22 Gauge, Add	19.62	
			For 20 Gauge, Add	32.00	
			For 18 Gauge, Add	49.06	
			For 16 Gauge, Add	59.72	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	31.57	
			For Work In Restricted Working Space, Add	57.36	
23 31 13 16-0094	EA		16" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow .....	276.09	56.78
			For 3" WG (Class B), Add	33.92	
			For 4" Or 6" WG (Class A), Add	90.46	
			For 24 Gauge, Add	9.99	
			For 22 Gauge, Add	22.97	
			For 20 Gauge, Add	37.45	
			For 18 Gauge, Add	57.42	
			For 16 Gauge, Add	69.90	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	36.95	
			For Work In Restricted Working Space, Add	67.85	
23 31 13 16-0095	EA		18" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow .....	337.88	70.46
			For 3" WG (Class B), Add	42.06	
			For 4" Or 6" WG (Class A), Add	112.17	
			For 24 Gauge, Add	11.49	
			For 22 Gauge, Add	26.43	
			For 20 Gauge, Add	43.09	
			For 18 Gauge, Add	66.07	
			For 16 Gauge, Add	80.43	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	42.51	
			For Work In Restricted Working Space, Add	84.13	
23 31 13 16-0096	EA		20" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow .....	407.05	85.18
			For 3" WG (Class B), Add	50.88	
			For 4" Or 6" WG (Class A), Add	135.69	
			For 24 Gauge, Add	13.56	
			For 22 Gauge, Add	31.20	
			For 20 Gauge, Add	50.87	
			For 18 Gauge, Add	77.99	
			For 16 Gauge, Add	94.95	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	50.19	
			For Work In Restricted Working Space, Add	101.77	
23 31 13 16-0097	EA		22" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow .....	473.80	98.86
			For 3" WG (Class B), Add	59.52	
			For 4" Or 6" WG (Class A), Add	158.73	
			For 24 Gauge, Add	15.39	
			For 22 Gauge, Add	35.41	
			For 20 Gauge, Add	57.73	
			For 18 Gauge, Add	88.52	
			For 16 Gauge, Add	107.76	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	56.96	
			For Work In Restricted Working Space, Add	119.05	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0098	EA		24" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	542.49	112.52
			For 3" WG (Class B), Add	67.13	
			For 4" Or 6" WG (Class A), Add	179.00	
			For 24 Gauge, Add	19.00	
			For 22 Gauge, Add	43.70	
			For 20 Gauge, Add	71.24	
			For 18 Gauge, Add	109.24	
			For 16 Gauge, Add	132.99	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	70.29	
			For Work In Restricted Working Space, Add	134.25	
<b>23 31 13 16-0099</b>			<b>Slip Joint, Galvanized, Spiral Duct 45 Degree Elbows</b> <small>(23 31 13 16-0074)</small>		
23 31 13 16-0100	EA		4" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	67.56	14.72
			For 3" WG (Class B), Add	8.53	
			For 4" Or 6" WG (Class A), Add	22.74	
			For 24 Gauge, Add	2.14	
			For 22 Gauge, Add	4.93	
			For 20 Gauge, Add	8.04	
			For 18 Gauge, Add	12.33	
			For 16 Gauge, Add	15.01	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.93	
			For Work In Restricted Working Space, Add	17.05	
23 31 13 16-0101	EA		6" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	96.17	21.03
			For 3" WG (Class B), Add	12.62	
			For 4" Or 6" WG (Class A), Add	33.65	
			For 24 Gauge, Add	2.41	
			For 22 Gauge, Add	5.54	
			For 20 Gauge, Add	9.03	
			For 18 Gauge, Add	13.85	
			For 16 Gauge, Add	16.86	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	8.91	
			For Work In Restricted Working Space, Add	25.24	
23 31 13 16-0102	EA		8" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	126.85	27.34
			For 3" WG (Class B), Add	16.61	
			For 4" Or 6" WG (Class A), Add	44.28	
			For 24 Gauge, Add	3.23	
			For 22 Gauge, Add	7.43	
			For 20 Gauge, Add	12.11	
			For 18 Gauge, Add	18.57	
			For 16 Gauge, Add	22.61	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	11.95	
			For Work In Restricted Working Space, Add	33.21	
23 31 13 16-0103	EA		10" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	160.40	34.71
			For 3" WG (Class B), Add	21.03	
			For 4" Or 6" WG (Class A), Add	56.08	
			For 24 Gauge, Add	4.04	
			For 22 Gauge, Add	9.29	
			For 20 Gauge, Add	15.14	
			For 18 Gauge, Add	23.22	
			For 16 Gauge, Add	28.27	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	14.94	
			For Work In Restricted Working Space, Add	42.06	
23 31 13 16-0104	EA		12" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	198.73	44.17
			For 3" WG (Class B), Add	26.29	
			For 4" Or 6" WG (Class A), Add	70.11	
			For 24 Gauge, Add	4.69	
			For 22 Gauge, Add	10.79	
			For 20 Gauge, Add	17.60	
			For 18 Gauge, Add	26.98	
			For 16 Gauge, Add	32.84	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	17.36	
			For Work In Restricted Working Space, Add	52.58	
23 31 13 16-0105	EA		14" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	217.28	48.37
			For 3" WG (Class B), Add	28.68	
			For 4" Or 6" WG (Class A), Add	76.48	
			For 24 Gauge, Add	5.22	
			For 22 Gauge, Add	12.00	
			For 20 Gauge, Add	19.56	
			For 18 Gauge, Add	29.99	
			For 16 Gauge, Add	36.51	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	19.30	
			For Work In Restricted Working Space, Add	57.36	
23 31 13 16-0106	EA		16" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	268.91	56.78
			For 3" WG (Class B), Add	33.92	
			For 4" Or 6" WG (Class A), Add	90.46	
			For 24 Gauge, Add	8.55	
			For 22 Gauge, Add	19.67	
			For 20 Gauge, Add	32.06	
			For 18 Gauge, Add	49.16	
			For 16 Gauge, Add	59.85	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	31.64	
			For Work In Restricted Working Space, Add	67.85	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0107	EA		18" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	332.80	70.46
			For 3" WG (Class B), Add	42.06	
			For 4" Or 6" WG (Class A), Add	112.17	
			For 24 Gauge, Add	10.47	
			For 22 Gauge, Add	24.09	
			For 20 Gauge, Add	39.28	
			For 18 Gauge, Add	60.23	
			For 16 Gauge, Add	73.32	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	38.75	
			For Work In Restricted Working Space, Add	84.13	
23 31 13 16-0108	EA		20" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	405.49	85.18
			For 3" WG (Class B), Add	50.88	
			For 4" Or 6" WG (Class A), Add	135.69	
			For 24 Gauge, Add	13.25	
			For 22 Gauge, Add	30.48	
			For 20 Gauge, Add	49.70	
			For 18 Gauge, Add	76.20	
			For 16 Gauge, Add	92.76	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	49.03	
			For Work In Restricted Working Space, Add	101.77	
23 31 13 16-0109	EA		22" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	456.14	98.86
			For 3" WG (Class B), Add	59.52	
			For 4" Or 6" WG (Class A), Add	158.73	
			For 24 Gauge, Add	11.86	
			For 22 Gauge, Add	27.28	
			For 20 Gauge, Add	44.48	
			For 18 Gauge, Add	68.21	
			For 16 Gauge, Add	83.03	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	43.89	
			For Work In Restricted Working Space, Add	119.05	
23 31 13 16-0110	EA		24" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	536.20	112.52
			For 3" WG (Class B), Add	67.13	
			For 4" Or 6" WG (Class A), Add	179.00	
			For 24 Gauge, Add	17.74	
			For 22 Gauge, Add	40.80	
			For 20 Gauge, Add	66.53	
			For 18 Gauge, Add	102.01	
			For 16 Gauge, Add	124.18	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	65.64	
			For Work In Restricted Working Space, Add	134.25	
<b>23 31 13 16-0111</b>			<b>Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Laterals</b> <small>(23 31 13 16-0074)</small>		
23 31 13 16-0112	EA		6" x 6" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	133.74	27.34
			For 3" WG (Class B), Add	16.61	
			For 4" Or 6" WG (Class A), Add	44.28	
			For 24 Gauge, Add	4.61	
			For 22 Gauge, Add	10.60	
			For 20 Gauge, Add	17.28	
			For 18 Gauge, Add	26.50	
			For 16 Gauge, Add	32.26	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	17.05	
			For Work In Restricted Working Space, Add	33.21	
23 31 13 16-0113	EA		8" x 8" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	199.42	44.17
			For 3" WG (Class B), Add	26.29	
			For 4" Or 6" WG (Class A), Add	70.11	
			For 24 Gauge, Add	4.83	
			For 22 Gauge, Add	11.11	
			For 20 Gauge, Add	18.11	
			For 18 Gauge, Add	27.77	
			For 16 Gauge, Add	33.81	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	17.87	
			For Work In Restricted Working Space, Add	52.58	
23 31 13 16-0114	EA		10" x 10" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	252.68	56.78
			For 3" WG (Class B), Add	33.92	
			For 4" Or 6" WG (Class A), Add	90.46	
			For 24 Gauge, Add	5.30	
			For 22 Gauge, Add	12.20	
			For 20 Gauge, Add	19.89	
			For 18 Gauge, Add	30.50	
			For 16 Gauge, Add	37.13	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	19.62	
			For Work In Restricted Working Space, Add	67.85	
23 31 13 16-0115	EA		12" x 12" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	308.13	70.46
			For 3" WG (Class B), Add	42.06	
			For 4" Or 6" WG (Class A), Add	112.17	
			For 24 Gauge, Add	5.54	
			For 22 Gauge, Add	12.74	
			For 20 Gauge, Add	20.78	
			For 18 Gauge, Add	31.86	
			For 16 Gauge, Add	38.78	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	20.50	
			For Work In Restricted Working Space, Add	84.13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0116	EA		14" x 14" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
			Lateral .....	367.84	85.18
			For 3" WG (Class B), Add	50.88	
			For 4" Or 6" WG (Class A), Add	135.69	
			For 24 Gauge, Add	5.72	
			For 22 Gauge, Add	13.16	
			For 20 Gauge, Add	21.46	
			For 18 Gauge, Add	32.90	
			For 16 Gauge, Add	40.05	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	21.17	
			For Work In Restricted Working Space, Add	101.77	
23 31 13 16-0117	EA		16" x 16" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
			Lateral .....	427.94	98.86
			For 3" WG (Class B), Add	59.52	
			For 4" Or 6" WG (Class A), Add	158.73	
			For 24 Gauge, Add	6.22	
			For 22 Gauge, Add	14.31	
			For 20 Gauge, Add	23.33	
			For 18 Gauge, Add	35.78	
			For 16 Gauge, Add	43.55	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	23.02	
			For Work In Restricted Working Space, Add	119.05	
23 31 13 16-0118	EA		18" x 18" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
			Lateral .....	479.87	112.52
			For 3" WG (Class B), Add	67.13	
			For 4" Or 6" WG (Class A), Add	179.00	
			For 24 Gauge, Add	6.47	
			For 22 Gauge, Add	14.89	
			For 20 Gauge, Add	24.28	
			For 18 Gauge, Add	37.23	
			For 16 Gauge, Add	45.32	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	23.95	
			For Work In Restricted Working Space, Add	134.25	
23 31 13 16-0119	EA		20" x 20" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
			Lateral .....	546.53	128.30
			For 3" WG (Class B), Add	76.95	
			For 4" Or 6" WG (Class A), Add	205.19	
			For 24 Gauge, Add	6.71	
			For 22 Gauge, Add	15.43	
			For 20 Gauge, Add	25.16	
			For 18 Gauge, Add	38.58	
			For 16 Gauge, Add	46.97	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	24.83	
			For Work In Restricted Working Space, Add	153.89	
23 31 13 16-0120	EA		22" x 22" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
			Lateral .....	608.81	141.97
			For 3" WG (Class B), Add	85.27	
			For 4" Or 6" WG (Class A), Add	227.38	
			For 24 Gauge, Add	8.07	
			For 22 Gauge, Add	18.57	
			For 20 Gauge, Add	30.28	
			For 18 Gauge, Add	46.43	
			For 16 Gauge, Add	56.52	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	29.87	
			For Work In Restricted Working Space, Add	170.53	
23 31 13 16-0121	EA		24" x 24" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
			Lateral .....	660.29	154.59
			For 3" WG (Class B), Add	92.79	
			For 4" Or 6" WG (Class A), Add	247.44	
			For 24 Gauge, Add	8.34	
			For 22 Gauge, Add	19.18	
			For 20 Gauge, Add	31.27	
			For 18 Gauge, Add	47.94	
			For 16 Gauge, Add	58.37	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	30.85	
			For Work In Restricted Working Space, Add	185.58	
23 31 13 16-0122	EA		8" x 8" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
			Lateral .....	210.94	47.63
			For 3" WG (Class B), Add	28.60	
			For 4" Or 6" WG (Class A), Add	76.26	
			For 24 Gauge, Add	4.06	
			For 22 Gauge, Add	9.33	
			For 20 Gauge, Add	15.22	
			For 18 Gauge, Add	23.33	
			For 16 Gauge, Add	28.41	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	15.01	
			For Work In Restricted Working Space, Add	57.20	
23 31 13 16-0123	EA		10" x 10" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
			Lateral .....	254.83	57.32
			For 3" WG (Class B), Add	34.38	
			For 4" Or 6" WG (Class A), Add	91.68	
			For 24 Gauge, Add	5.12	
			For 22 Gauge, Add	11.79	
			For 20 Gauge, Add	19.22	
			For 18 Gauge, Add	29.46	
			For 16 Gauge, Add	35.87	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	18.96	
			For Work In Restricted Working Space, Add	68.76	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0124	EA		12" x 12" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	309.60	69.62
			For 3" WG (Class B), Add	41.78	
			For 4" Or 6" WG (Class A), Add	111.40	
			For 24 Gauge, Add	6.22	
			For 22 Gauge, Add	14.31	
			For 20 Gauge, Add	23.33	
			For 18 Gauge, Add	35.77	
			For 16 Gauge, Add	43.54	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	23.01	
			For Work In Restricted Working Space, Add	83.55	
23 31 13 16-0125	EA		14" x 14" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	368.57	82.76
			For 3" WG (Class B), Add	49.73	
			For 4" Or 6" WG (Class A), Add	132.61	
			For 24 Gauge, Add	7.41	
			For 22 Gauge, Add	17.04	
			For 20 Gauge, Add	27.78	
			For 18 Gauge, Add	42.60	
			For 16 Gauge, Add	51.86	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	27.41	
			For Work In Restricted Working Space, Add	99.46	
23 31 13 16-0126	EA		16" x 16" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	468.34	106.42
			For 3" WG (Class B), Add	63.81	
			For 4" Or 6" WG (Class A), Add	170.16	
			For 24 Gauge, Add	8.59	
			For 22 Gauge, Add	19.75	
			For 20 Gauge, Add	32.20	
			For 18 Gauge, Add	49.37	
			For 16 Gauge, Add	60.10	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	31.77	
			For Work In Restricted Working Space, Add	127.62	
23 31 13 16-0127	EA		18" x 18" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	520.11	118.09
			For 3" WG (Class B), Add	70.80	
			For 4" Or 6" WG (Class A), Add	188.80	
			For 24 Gauge, Add	9.62	
			For 22 Gauge, Add	22.13	
			For 20 Gauge, Add	36.08	
			For 18 Gauge, Add	55.33	
			For 16 Gauge, Add	67.35	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	35.60	
			For Work In Restricted Working Space, Add	141.60	
23 31 13 16-0128	EA		20" x 20" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	591.30	134.40
			For 3" WG (Class B), Add	80.48	
			For 4" Or 6" WG (Class A), Add	214.62	
			For 24 Gauge, Add	10.95	
			For 22 Gauge, Add	25.19	
			For 20 Gauge, Add	41.07	
			For 18 Gauge, Add	62.97	
			For 16 Gauge, Add	76.66	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	40.52	
			For Work In Restricted Working Space, Add	160.96	
23 31 13 16-0129	EA		22" x 22" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	633.81	143.34
			For 3" WG (Class B), Add	85.92	
			For 4" Or 6" WG (Class A), Add	229.11	
			For 24 Gauge, Add	12.21	
			For 22 Gauge, Add	28.07	
			For 20 Gauge, Add	45.77	
			For 18 Gauge, Add	70.18	
			For 16 Gauge, Add	85.44	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	45.16	
			For Work In Restricted Working Space, Add	171.83	
23 31 13 16-0130	EA		24" x 24" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	687.66	155.43
			For 3" WG (Class B), Add	93.23	
			For 4" Or 6" WG (Class A), Add	248.61	
			For 24 Gauge, Add	13.23	
			For 22 Gauge, Add	30.42	
			For 20 Gauge, Add	49.61	
			For 18 Gauge, Add	76.06	
			For 16 Gauge, Add	92.60	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	48.94	
			For Work In Restricted Working Space, Add	186.46	
23 31 13 16-0131	EA		10" x 10" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	279.05	63.10
			For 3" WG (Class B), Add	37.81	
			For 4" Or 6" WG (Class A), Add	100.83	
			For 24 Gauge, Add	5.40	
			For 22 Gauge, Add	12.41	
			For 20 Gauge, Add	20.24	
			For 18 Gauge, Add	31.03	
			For 16 Gauge, Add	37.77	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	19.97	
			For Work In Restricted Working Space, Add	75.62	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0132	EA		12" x 12" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
			Lateral .....	339.14	76.77
			For 3" WG (Class B), Add	45.96	
			For 4" Or 6" WG (Class A), Add	122.56	
			For 24 Gauge, Add	6.55	
			For 22 Gauge, Add	15.06	
			For 20 Gauge, Add	24.55	
			For 18 Gauge, Add	37.64	
			For 16 Gauge, Add	45.82	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	24.22	
			For Work In Restricted Working Space, Add	91.92	
23 31 13 16-0133	EA		14" x 14" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
			Lateral .....	403.64	90.97
			For 3" WG (Class B), Add	54.70	
			For 4" Or 6" WG (Class A), Add	145.86	
			For 24 Gauge, Add	7.80	
			For 22 Gauge, Add	17.94	
			For 20 Gauge, Add	29.25	
			For 18 Gauge, Add	44.85	
			For 16 Gauge, Add	54.60	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	28.86	
			For Work In Restricted Working Space, Add	109.39	
23 31 13 16-0134	EA		16" x 16" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
			Lateral .....	468.56	106.00
			For 3" WG (Class B), Add	63.50	
			For 4" Or 6" WG (Class A), Add	169.34	
			For 24 Gauge, Add	9.04	
			For 22 Gauge, Add	20.79	
			For 20 Gauge, Add	33.90	
			For 18 Gauge, Add	51.98	
			For 16 Gauge, Add	63.28	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	33.45	
			For Work In Restricted Working Space, Add	127.01	
23 31 13 16-0135	EA		18" x 18" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
			Lateral .....	524.34	118.52
			For 3" WG (Class B), Add	71.06	
			For 4" Or 6" WG (Class A), Add	189.48	
			For 24 Gauge, Add	10.13	
			For 22 Gauge, Add	23.29	
			For 20 Gauge, Add	37.98	
			For 18 Gauge, Add	58.24	
			For 16 Gauge, Add	70.90	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	37.47	
			For Work In Restricted Working Space, Add	142.11	
23 31 13 16-0136	EA		20" x 20" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
			Lateral .....	596.37	134.82
			For 3" WG (Class B), Add	80.81	
			For 4" Or 6" WG (Class A), Add	215.50	
			For 24 Gauge, Add	11.53	
			For 22 Gauge, Add	26.51	
			For 20 Gauge, Add	43.22	
			For 18 Gauge, Add	66.27	
			For 16 Gauge, Add	80.68	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	42.65	
			For Work In Restricted Working Space, Add	161.62	
23 31 13 16-0137	EA		22" x 22" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
			Lateral .....	665.87	150.38
			For 3" WG (Class B), Add	90.24	
			For 4" Or 6" WG (Class A), Add	240.65	
			For 24 Gauge, Add	12.85	
			For 22 Gauge, Add	29.56	
			For 20 Gauge, Add	48.19	
			For 18 Gauge, Add	73.89	
			For 16 Gauge, Add	89.95	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	47.55	
			For Work In Restricted Working Space, Add	180.49	
23 31 13 16-0138	EA		24" x 24" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
			Lateral .....	721.98	163.21
			For 3" WG (Class B), Add	97.86	
			For 4" Or 6" WG (Class A), Add	260.95	
			For 24 Gauge, Add	13.92	
			For 22 Gauge, Add	32.02	
			For 20 Gauge, Add	52.21	
			For 18 Gauge, Add	80.05	
			For 16 Gauge, Add	97.45	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	51.51	
			For Work In Restricted Working Space, Add	195.71	
<b>23 31 13 16-0139</b>			<b>Slip Joint, Galvanized, Spiral Duct Reducers</b> <small>(23 31 13 16-0074)</small>		
23 31 13 16-0140	EA		6" x 4", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	92.41	21.03
			For 3" WG (Class B), Add	12.62	
			For 4" Or 6" WG (Class A), Add	33.65	
			For 24 Gauge, Add	1.66	
			For 22 Gauge, Add	3.81	
			For 20 Gauge, Add	6.21	
			For 18 Gauge, Add	9.52	
			For 16 Gauge, Add	11.59	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.13	
			For Work In Restricted Working Space, Add	25.24	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 31 13 16-0141	EA	8" x 6", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	119.82	27.34
		For 3" WG (Class B), Add	16.61	
		For 4" Or 6" WG (Class A), Add	44.28	
		For 24 Gauge, Add	1.82	
		For 22 Gauge, Add	4.20	
		For 20 Gauge, Add	6.84	
		For 18 Gauge, Add	10.49	
		For 16 Gauge, Add	12.77	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.75	
		For Work In Restricted Working Space, Add	33.21	
23 31 13 16-0142	EA	10" x 8", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	150.30	34.71
		For 3" WG (Class B), Add	21.03	
		For 4" Or 6" WG (Class A), Add	56.08	
		For 24 Gauge, Add	2.02	
		For 22 Gauge, Add	4.64	
		For 20 Gauge, Add	7.57	
		For 18 Gauge, Add	11.60	
		For 16 Gauge, Add	14.13	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.47	
		For Work In Restricted Working Space, Add	42.06	
23 31 13 16-0143	EA	12" x 10", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	186.34	44.17
		For 3" WG (Class B), Add	26.29	
		For 4" Or 6" WG (Class A), Add	70.11	
		For 24 Gauge, Add	2.21	
		For 22 Gauge, Add	5.09	
		For 20 Gauge, Add	8.30	
		For 18 Gauge, Add	12.73	
		For 16 Gauge, Add	15.50	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	8.19	
		For Work In Restricted Working Space, Add	52.58	
23 31 13 16-0144	EA	14" x 12", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	203.52	48.37
		For 3" WG (Class B), Add	28.68	
		For 4" Or 6" WG (Class A), Add	76.48	
		For 24 Gauge, Add	2.46	
		For 22 Gauge, Add	5.67	
		For 20 Gauge, Add	9.24	
		For 18 Gauge, Add	14.17	
		For 16 Gauge, Add	17.25	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	9.12	
		For Work In Restricted Working Space, Add	57.36	
23 31 13 16-0145	EA	16" x 14", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	247.46	56.78
		For 3" WG (Class B), Add	33.92	
		For 4" Or 6" WG (Class A), Add	90.46	
		For 24 Gauge, Add	4.26	
		For 22 Gauge, Add	9.80	
		For 20 Gauge, Add	15.98	
		For 18 Gauge, Add	24.50	
		For 16 Gauge, Add	29.82	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	15.76	
		For Work In Restricted Working Space, Add	67.85	
23 31 13 16-0146	EA	18" x 16", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	303.19	70.46
		For 3" WG (Class B), Add	42.06	
		For 4" Or 6" WG (Class A), Add	112.17	
		For 24 Gauge, Add	4.55	
		For 22 Gauge, Add	10.47	
		For 20 Gauge, Add	17.07	
		For 18 Gauge, Add	26.17	
		For 16 Gauge, Add	31.86	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	16.84	
		For Work In Restricted Working Space, Add	84.13	
23 31 13 16-0147	EA	20" x 18", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	363.52	85.18
		For 3" WG (Class B), Add	50.88	
		For 4" Or 6" WG (Class A), Add	135.69	
		For 24 Gauge, Add	4.86	
		For 22 Gauge, Add	11.17	
		For 20 Gauge, Add	18.22	
		For 18 Gauge, Add	27.93	
		For 16 Gauge, Add	34.01	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	17.97	
		For Work In Restricted Working Space, Add	101.77	
23 31 13 16-0148	EA	22" x 20", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	422.65	98.86
		For 3" WG (Class B), Add	59.52	
		For 4" Or 6" WG (Class A), Add	158.73	
		For 24 Gauge, Add	5.16	
		For 22 Gauge, Add	11.88	
		For 20 Gauge, Add	19.37	
		For 18 Gauge, Add	29.69	
		For 16 Gauge, Add	36.15	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	19.11	
		For Work In Restricted Working Space, Add	119.05	
23 31 13 16-0149	EA	24" x 22", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	474.72	112.52
		For 3" WG (Class B), Add	67.13	
		For 4" Or 6" WG (Class A), Add	179.00	
		For 24 Gauge, Add	5.44	
		For 22 Gauge, Add	12.52	
		For 20 Gauge, Add	20.42	
		For 18 Gauge, Add	31.30	
		For 16 Gauge, Add	38.11	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	20.14	
		For Work In Restricted Working Space, Add	134.25	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 31 13 16-0150 Slip Joint, Galvanized, Spiral Duct Couplings <small>(23 31 13 16-0074)</small></b>					
23 31 13 16-0151	EA		4", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	60.76	14.72
			For 3" WG (Class B), Add	8.53	
			For 4" Or 6" WG (Class A), Add	22.74	
			For 24 Gauge, Add	0.78	
			For 22 Gauge, Add	1.80	
			For 20 Gauge, Add	2.94	
			For 18 Gauge, Add	4.51	
			For 16 Gauge, Add	5.49	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.90	
			For Work In Restricted Working Space, Add	17.05	
23 31 13 16-0152	EA		6", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	88.59	21.03
			For 3" WG (Class B), Add	12.62	
			For 4" Or 6" WG (Class A), Add	33.65	
			For 24 Gauge, Add	0.89	
			For 22 Gauge, Add	2.05	
			For 20 Gauge, Add	3.35	
			For 18 Gauge, Add	5.13	
			For 16 Gauge, Add	6.24	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.30	
			For Work In Restricted Working Space, Add	25.24	
23 31 13 16-0153	EA		8", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	115.50	27.34
			For 3" WG (Class B), Add	16.61	
			For 4" Or 6" WG (Class A), Add	44.28	
			For 24 Gauge, Add	0.96	
			For 22 Gauge, Add	2.21	
			For 20 Gauge, Add	3.60	
			For 18 Gauge, Add	5.52	
			For 16 Gauge, Add	6.72	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.55	
			For Work In Restricted Working Space, Add	33.21	
23 31 13 16-0154	EA		10", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	145.36	34.71
			For 3" WG (Class B), Add	21.03	
			For 4" Or 6" WG (Class A), Add	56.08	
			For 24 Gauge, Add	1.03	
			For 22 Gauge, Add	2.37	
			For 20 Gauge, Add	3.86	
			For 18 Gauge, Add	5.92	
			For 16 Gauge, Add	7.21	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.81	
			For Work In Restricted Working Space, Add	42.06	
23 31 13 16-0155	EA		12", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	180.77	44.17
			For 3" WG (Class B), Add	26.29	
			For 4" Or 6" WG (Class A), Add	70.11	
			For 24 Gauge, Add	1.10	
			For 22 Gauge, Add	2.53	
			For 20 Gauge, Add	4.13	
			For 18 Gauge, Add	6.33	
			For 16 Gauge, Add	7.70	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.07	
			For Work In Restricted Working Space, Add	52.58	
23 31 13 16-0156	EA		14", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	197.05	48.37
			For 3" WG (Class B), Add	28.68	
			For 4" Or 6" WG (Class A), Add	76.48	
			For 24 Gauge, Add	1.17	
			For 22 Gauge, Add	2.69	
			For 20 Gauge, Add	4.39	
			For 18 Gauge, Add	6.73	
			For 16 Gauge, Add	8.19	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.33	
			For Work In Restricted Working Space, Add	57.36	
23 31 13 16-0157	EA		16", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	232.63	56.78
			For 3" WG (Class B), Add	33.92	
			For 4" Or 6" WG (Class A), Add	90.46	
			For 24 Gauge, Add	1.29	
			For 22 Gauge, Add	2.98	
			For 20 Gauge, Add	4.85	
			For 18 Gauge, Add	7.44	
			For 16 Gauge, Add	9.06	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.79	
			For Work In Restricted Working Space, Add	67.85	
23 31 13 16-0158	EA		18", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	287.25	70.46
			For 3" WG (Class B), Add	42.06	
			For 4" Or 6" WG (Class A), Add	112.17	
			For 24 Gauge, Add	1.36	
			For 22 Gauge, Add	3.14	
			For 20 Gauge, Add	5.12	
			For 18 Gauge, Add	7.84	
			For 16 Gauge, Add	9.55	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.05	
			For Work In Restricted Working Space, Add	84.13	
23 31 13 16-0159	EA		20", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	346.47	85.18
			For 3" WG (Class B), Add	50.88	
			For 4" Or 6" WG (Class A), Add	135.69	
			For 24 Gauge, Add	1.45	
			For 22 Gauge, Add	3.33	
			For 20 Gauge, Add	5.43	
			For 18 Gauge, Add	8.33	
			For 16 Gauge, Add	10.14	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.36	
			For Work In Restricted Working Space, Add	101.77	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 31 HVAC Ducts and Casings**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 31 13 16-0160	EA 22", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling .....	404.35	198.76
	For 3" WG (Class B), Add	59.52	
	For 4" Or 6" WG (Class A), Add	158.73	
	For 24 Gauge, Add	1.50	
	For 22 Gauge, Add	3.46	
	For 20 Gauge, Add	5.64	
	For 18 Gauge, Add	8.65	
	For 16 Gauge, Add	10.53	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.56	
	For Work In Restricted Working Space, Add	119.05	
23 31 13 16-0161	EA 24", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling .....	455.44	223.99
	For 3" WG (Class B), Add	67.13	
	For 4" Or 6" WG (Class A), Add	179.00	
	For 24 Gauge, Add	1.59	
	For 22 Gauge, Add	3.65	
	For 20 Gauge, Add	5.96	
	For 18 Gauge, Add	9.13	
	For 16 Gauge, Add	11.12	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.88	
	For Work In Restricted Working Space, Add	134.25	
<b>23 31 13 16-0162</b>	<b>Slip Joint, Galvanized, Spiral Duct Caps <small>(23 31 13 16-0074)</small></b>		
23 31 13 16-0163	EA 4", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap .....	33.01	14.72
	For 3" WG (Class B), Add	4.26	
	For 4" Or 6" WG (Class A), Add	11.37	
	For 24 Gauge, Add	0.92	
	For 22 Gauge, Add	2.11	
	For 20 Gauge, Add	3.44	
	For 18 Gauge, Add	5.28	
	For 16 Gauge, Add	6.43	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.40	
	For Work In Restricted Working Space, Add	8.53	
23 31 13 16-0164	EA 6", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap .....	47.21	21.03
	For 3" WG (Class B), Add	6.31	
	For 4" Or 6" WG (Class A), Add	16.82	
	For 24 Gauge, Add	1.03	
	For 22 Gauge, Add	2.37	
	For 20 Gauge, Add	3.86	
	For 18 Gauge, Add	5.92	
	For 16 Gauge, Add	7.21	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.81	
	For Work In Restricted Working Space, Add	12.62	
23 31 13 16-0165	EA 8", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap .....	60.99	28.40
	For 3" WG (Class B), Add	8.30	
	For 4" Or 6" WG (Class A), Add	22.14	
	For 24 Gauge, Add	1.13	
	For 22 Gauge, Add	2.59	
	For 20 Gauge, Add	4.23	
	For 18 Gauge, Add	6.49	
	For 16 Gauge, Add	7.90	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.17	
	For Work In Restricted Working Space, Add	16.61	
23 31 13 16-0166	EA 10", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap .....	76.37	35.75
	For 3" WG (Class B), Add	10.52	
	For 4" Or 6" WG (Class A), Add	28.04	
	For 24 Gauge, Add	1.25	
	For 22 Gauge, Add	2.88	
	For 20 Gauge, Add	4.70	
	For 18 Gauge, Add	7.20	
	For 16 Gauge, Add	8.76	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.63	
	For Work In Restricted Working Space, Add	21.03	
23 31 13 16-0167	EA 12", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap .....	94.60	44.17
	For 3" WG (Class B), Add	13.15	
	For 4" Or 6" WG (Class A), Add	35.06	
	For 24 Gauge, Add	1.39	
	For 22 Gauge, Add	3.20	
	For 20 Gauge, Add	5.22	
	For 18 Gauge, Add	8.00	
	For 16 Gauge, Add	9.74	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.15	
	For Work In Restricted Working Space, Add	26.29	
23 31 13 16-0168	EA 14", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap .....	103.26	48.37
	For 3" WG (Class B), Add	14.34	
	For 4" Or 6" WG (Class A), Add	38.24	
	For 24 Gauge, Add	1.53	
	For 22 Gauge, Add	3.52	
	For 20 Gauge, Add	5.75	
	For 18 Gauge, Add	8.81	
	For 16 Gauge, Add	10.72	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.67	
	For Work In Restricted Working Space, Add	28.68	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0169	EA	16"	26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	119.54	55.74
			For 3" WG (Class B), Add	16.61	
			For 4" Or 6" WG (Class A), Add	44.28	
			For 24 Gauge, Add	1.77	
			For 22 Gauge, Add	4.07	
			For 20 Gauge, Add	6.63	
			For 18 Gauge, Add	10.17	
			For 16 Gauge, Add	12.38	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.54	
			For Work In Restricted Working Space, Add	33.21	
23 31 13 16-0170	EA	18"	26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	170.00	70.46
			For 3" WG (Class B), Add	21.03	
			For 4" Or 6" WG (Class A), Add	56.08	
			For 24 Gauge, Add	5.96	
			For 22 Gauge, Add	13.70	
			For 20 Gauge, Add	22.34	
			For 18 Gauge, Add	34.26	
			For 16 Gauge, Add	41.71	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	22.04	
			For Work In Restricted Working Space, Add	42.06	
23 31 13 16-0171	EA	20"	26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	207.57	87.29
			For 3" WG (Class B), Add	26.29	
			For 4" Or 6" WG (Class A), Add	70.11	
			For 24 Gauge, Add	6.46	
			For 22 Gauge, Add	14.86	
			For 20 Gauge, Add	24.23	
			For 18 Gauge, Add	37.15	
			For 16 Gauge, Add	45.22	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	23.90	
			For Work In Restricted Working Space, Add	52.58	
23 31 13 16-0172	EA	22"	26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	226.00	95.70
			For 3" WG (Class B), Add	28.68	
			For 4" Or 6" WG (Class A), Add	76.48	
			For 24 Gauge, Add	6.96	
			For 22 Gauge, Add	16.01	
			For 20 Gauge, Add	26.10	
			For 18 Gauge, Add	40.02	
			For 16 Gauge, Add	48.72	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	25.75	
			For Work In Restricted Working Space, Add	57.36	
23 31 13 16-0173	EA	24"	26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	261.13	111.47
			For 3" WG (Class B), Add	33.56	
			For 4" Or 6" WG (Class A), Add	89.50	
			For 24 Gauge, Add	7.48	
			For 22 Gauge, Add	17.19	
			For 20 Gauge, Add	28.04	
			For 18 Gauge, Add	42.99	
			For 16 Gauge, Add	52.33	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	27.66	
			For Work In Restricted Working Space, Add	67.13	

**23 31 13 19 Metal Duct Fittings (23 31 13)**
**23 31 13 19-0001 Sheet Metal Baffles (23 31 13 19)**

23 31 13 19-0002	LF		Sheet Metal Baffles Under Raised Floor.....	38.86	31.32
			For Work In Restricted Working Space, Add	11.45	
			For Elevated Installation >15' To 15', Add	3.82	
			For Elevated Installation >15' To 20', Add	7.63	
			For Elevated Installation >20' To 25', Add	9.54	
			For Elevated Installation >25' To 30', Add	13.36	
			For Elevated Installation >30' To 35', Add	15.27	
			For Elevated Installation >35' To 40', Add	19.09	
			For Elevated Installation >40', Add	20.99	

**23 31 13 19-0003 Duct Register Boots (23 31 13 19)**

23 31 13 19-0004	EA	10"	x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel.....	35.11	14.24
			For Stainless Steel, Add	8.61	
23 31 13 19-0005	EA	10"	x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	35.11	14.24
			For Stainless Steel, Add	8.61	
23 31 13 19-0006	EA	12"	x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel.....	37.53	15.38
			For Stainless Steel, Add	8.80	
23 31 13 19-0007	EA	12"	x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	37.53	15.38
			For Stainless Steel, Add	8.80	
23 31 13 19-0008	EA	12"	x 2-1/4" x 7" Register Boot, 90 Degree, Galvanized Steel.....	39.16	15.38
			For Stainless Steel, Add	10.92	
23 31 13 19-0009	EA	14"	x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel.....	40.62	16.52
			For Stainless Steel, Add	9.85	
23 31 13 19-0010	EA	14"	x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	40.62	16.52
			For Stainless Steel, Add	9.85	
23 31 13 19-0011	EA	14"	x 2-1/4" x 7" Register Boot, 90 Degree, Galvanized Steel.....	41.63	16.52
			For Stainless Steel, Add	11.17	
23 31 13 19-0012	EA	10"	x 4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	41.29	17.66
			For Stainless Steel, Add	7.75	
23 31 13 19-0013	EA	12"	x 4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	43.74	18.80
			For Stainless Steel, Add	7.98	
23 31 13 19-0014	EA	12"	x 4" x 7" Register Boot, 90 Degree, Galvanized Steel.....	47.90	18.80
			For Stainless Steel, Add	13.39	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 31 13 19-0015	EA	14" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel	46.38	19.94
		<i>For Stainless Steel, Add</i>	8.45	
23 31 13 19-0016	EA	14" x 4" x 7" Register Boot, 90 Degree, Galvanized Steel	50.46	19.94
		<i>For Stainless Steel, Add</i>	13.75	
23 31 13 19-0017	EA	12" x 2-1/4" x 5" Register Boot, Center, Galvanized Steel	36.54	15.38
		<i>For Stainless Steel, Add</i>	7.51	
23 31 13 19-0018	EA	12" x 2-1/4" x 6" Register Boot, Center, Galvanized Steel	36.54	15.38
		<i>For Stainless Steel, Add</i>	7.51	
23 31 13 19-0019	EA	14" x 2-1/4" x 6" Register Boot, Center, Galvanized Steel	39.49	16.52
		<i>For Stainless Steel, Add</i>	8.39	
23 31 13 19-0020	EA	14" x 2-1/4" x 7" Register Boot, Center, Galvanized Steel	40.46	16.52
		<i>For Stainless Steel, Add</i>	9.65	
23 31 13 19-0021	EA	10" x 4" x 6" Register Boot, Center, Galvanized Steel	41.42	17.66
		<i>For Stainless Steel, Add</i>	7.92	
23 31 13 19-0022	EA	12" x 4" x 6" Register Boot, Center, Galvanized Steel	43.85	18.80
		<i>For Stainless Steel, Add</i>	8.13	
23 31 13 19-0023	EA	12" x 2-1/4" x 6" Register Boot, End, Galvanized Steel	37.21	15.38
		<i>For Stainless Steel, Add</i>	8.39	
23 31 13 19-0024	EA	14" x 2-1/4" x 6" Register Boot, End, Galvanized Steel	39.88	16.52
		<i>For Stainless Steel, Add</i>	8.89	
23 31 13 19-0025	EA	10" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel	35.11	14.24
		<i>For Stainless Steel, Add</i>	8.61	
23 31 13 19-0026	EA	12" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel	37.53	15.38
		<i>For Stainless Steel, Add</i>	8.80	
23 31 13 19-0027	EA	14" x 2-1/4" x 5" Register Boot, Universal, Galvanized Steel	40.62	16.52
		<i>For Stainless Steel, Add</i>	9.85	
23 31 13 19-0028	EA	14" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel	40.62	16.52
		<i>For Stainless Steel, Add</i>	9.85	
23 31 13 19-0029	EA	10" x 4" x 6" Register Boot, Universal, Galvanized Steel	41.29	17.66
		<i>For Stainless Steel, Add</i>	7.75	
23 31 13 19-0030	EA	12" x 4" x 6" Register Boot, Universal, Galvanized Steel	43.74	18.80
		<i>For Stainless Steel, Add</i>	7.98	
23 31 13 19-0031	EA	12" x 4" x 7" Register Boot, Universal, Galvanized Steel	47.90	18.80
		<i>For Stainless Steel, Add</i>	13.39	
23 31 13 19-0032	EA	14" x 4" x 7" Register Boot, Universal, Galvanized Steel	50.18	19.94
		<i>For Stainless Steel, Add</i>	13.39	

**23 31 13 23 Galvanized Steel Welded Duct (23 31 13)**

Note: All field fabricated duct is assembled from flat duct sheets on site to fit to exact field conditions. Ductwork which is fabricated off site or snap-fitting duct is considered as shop fabricated.

**23 31 13 23-0001 Welded Steel Ductwork (23 31 13 23)**

Note: Ductwork poundage includes all fittings, transitions, collars, straps, support straps, etc.

**23 31 13 23-0002 Galvanized Steel Welded Duct, For Kitchen (23 31 13 23-0001)**

Note: Also includes special exhaust systems and waste.

23 31 13 23-0003	LB	Galvanized Steel Welded Duct	21.85	9.49
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	2.08	
		<i>For Work In Restricted Working Space, Add</i>	5.71	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.90	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	3.81	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	4.76	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	6.66	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	7.62	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	9.52	
		<i>For Elevated Installation &gt;40', Add</i>	10.47	

**23 31 13 23-0004 Black Steel Ductwork (23 31 13 23-0001)**

23 31 13 23-0005	LB	Black Steel Ductwork	20.21	9.79
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	0.47	
		<i>For Work In Restricted Working Space, Add</i>	5.87	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.96	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	3.92	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	4.90	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	6.85	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	7.83	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	9.79	
		<i>For Elevated Installation &gt;40', Add</i>	10.77	

**23 31 16 Nonmetal Ducts (23 31)****23 31 16 13 Fibrous-Glass Ducts (23 31 16)****23 31 16 13-0001 Glass Fiber Duct Board (23 31 16 13)**

Note: Rigid, rectangular boards faced on one side with a fire-resistant foil-scrim-kraft (FSK) vapor retarder and a lightweight fiber glass mat on the airstream surface.

23 31 16 13-0002	SF	1" Glass Fiber Duct Board (EI-475)	9.68	1.96
23 31 16 13-0003	SF	1-1/2" Glass Fiber Duct Board (EI-800)	11.40	2.15
23 31 16 13-0004	SF	2" Glass Fiber Duct Board (EI-800)	13.18	2.37

**23 31 16 16 Thermoset Fiberglass-Reinforced Plastic Ducts (23 31 16)****23 31 16 16-0001 Fiber Reinforced Round Plastic Duct (23 31 16 16)****23 31 16 16-0002 Fiber Reinforced Round Plastic Duct (23 31 16 16-0001)**

23 31 16 16-0003	LF	2" Fiber Reinforced Plastic Duct	15.78	5.35
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 16-0004	LF		3" Fiber Reinforced Plastic Duct.....	19.68	6.26
23 31 16 16-0005	LF		4" Fiber Reinforced Plastic Duct.....	26.83	9.19
23 31 16 16-0006	LF		6" Fiber Reinforced Plastic Duct.....	35.45	11.61
23 31 16 16-0007	LF		8" Fiber Reinforced Plastic Duct.....	44.89	14.54
23 31 16 16-0008	LF		10" Fiber Reinforced Plastic Duct.....	54.11	17.47
23 31 16 16-0009	LF		12" Fiber Reinforced Plastic Duct.....	61.05	20.40
23 31 16 16-0010	LF		14" Fiber Reinforced Plastic Duct.....	69.50	22.31
23 31 16 16-0011	LF		16" Fiber Reinforced Plastic Duct.....	75.06	23.72
23 31 16 16-0012	LF		18" Fiber Reinforced Plastic Duct.....	92.84	26.66
23 31 16 16-0013	LF		20" Fiber Reinforced Plastic Duct.....	97.74	28.57
23 31 16 16-0014	LF		24" Fiber Reinforced Plastic Duct.....	119.75	30.49
23 31 16 16-0015	LF		30" Fiber Reinforced Plastic Duct.....	137.22	35.33
23 31 16 16-0016	LF		36" Fiber Reinforced Plastic Duct.....	158.72	42.60
23 31 16 16-0017	LF		42" Fiber Reinforced Plastic Duct.....	210.63	47.45
23 31 16 16-0018	LF		48" Fiber Reinforced Plastic Duct.....	235.97	53.30
23 31 16 16-0019	LF		54" Fiber Reinforced Plastic Duct.....	262.47	61.08
23 31 16 16-0020	LF		60" Fiber Reinforced Plastic Duct.....	298.20	71.27
23 31 16 16-0021	LF		66" Fiber Reinforced Plastic Duct.....	321.72	87.22
23 31 16 16-0022	LF		72" Fiber Reinforced Plastic Duct.....	392.63	106.60
<b>23 31 16 16-0023 Fiber Reinforced Plastic Bell (23 31 16 16-0001)</b>					
23 31 16 16-0024	EA		2" Fiber Reinforced Plastic Bell.....	65.67	21.71
23 31 16 16-0025	EA		3" Fiber Reinforced Plastic Bell.....	79.32	25.74
23 31 16 16-0026	EA		4" Fiber Reinforced Plastic Bell.....	91.18	30.28
23 31 16 16-0027	EA		6" Fiber Reinforced Plastic Bell.....	119.72	40.38
23 31 16 16-0028	EA		8" Fiber Reinforced Plastic Bell.....	145.47	50.48
23 31 16 16-0029	EA		10" Fiber Reinforced Plastic Bell.....	168.45	60.57
23 31 16 16-0030	EA		12" Fiber Reinforced Plastic Bell.....	208.86	75.21
23 31 16 16-0031	EA		14" Fiber Reinforced Plastic Bell.....	223.50	80.76
23 31 16 16-0032	EA		16" Fiber Reinforced Plastic Bell.....	242.20	86.32
23 31 16 16-0033	EA		18" Fiber Reinforced Plastic Bell.....	260.89	92.88
23 31 16 16-0034	EA		20" Fiber Reinforced Plastic Bell.....	285.39	100.95
23 31 16 16-0035	EA		24" Fiber Reinforced Plastic Bell.....	333.40	111.05
23 31 16 16-0036	EA		30" Fiber Reinforced Plastic Bell.....	389.76	121.15
23 31 16 16-0037	EA		36" Fiber Reinforced Plastic Bell.....	442.33	136.29
23 31 16 16-0038	EA		42" Fiber Reinforced Plastic Bell.....	494.87	151.43
23 31 16 16-0039	EA		48" Fiber Reinforced Plastic Bell.....	547.40	166.58
23 31 16 16-0040	EA		54" Fiber Reinforced Plastic Bell.....	682.08	201.91
23 31 16 16-0041	EA		60" Fiber Reinforced Plastic Bell.....	810.86	252.39
23 31 16 16-0042	EA		66" Fiber Reinforced Plastic Bell.....	972.99	302.86
23 31 16 16-0043	EA		72" Fiber Reinforced Plastic Bell.....	1,115.10	343.24
<b>23 31 16 16-0044 Fiber Reinforced Plastic Flange (23 31 16 16-0001)</b>					
23 31 16 16-0045	EA		2" Fiber Reinforced Plastic Flange.....	110.19	21.71
23 31 16 16-0046	EA		3" Fiber Reinforced Plastic Flange.....	126.62	25.74
23 31 16 16-0047	EA		4" Fiber Reinforced Plastic Flange.....	144.05	30.28
23 31 16 16-0048	EA		6" Fiber Reinforced Plastic Flange.....	186.50	40.38
23 31 16 16-0049	EA		8" Fiber Reinforced Plastic Flange.....	226.17	50.48
23 31 16 16-0050	EA		10" Fiber Reinforced Plastic Flange.....	265.85	60.57
23 31 16 16-0051	EA		12" Fiber Reinforced Plastic Flange.....	311.81	75.21
23 31 16 16-0052	EA		14" Fiber Reinforced Plastic Flange.....	348.72	80.76
23 31 16 16-0053	EA		16" Fiber Reinforced Plastic Flange.....	381.33	86.32
23 31 16 16-0054	EA		18" Fiber Reinforced Plastic Flange.....	405.59	92.88
23 31 16 16-0055	EA		20" Fiber Reinforced Plastic Flange.....	424.52	100.95
23 31 16 16-0056	EA		24" Fiber Reinforced Plastic Flange.....	500.36	111.05
23 31 16 16-0057	EA		30" Fiber Reinforced Plastic Flange.....	551.15	121.15
23 31 16 16-0058	EA		36" Fiber Reinforced Plastic Flange.....	684.42	136.29
23 31 16 16-0059	EA		42" Fiber Reinforced Plastic Flange.....	762.00	151.43
23 31 16 16-0060	EA		48" Fiber Reinforced Plastic Flange.....	867.40	166.58
23 31 16 16-0061	EA		54" Fiber Reinforced Plastic Flange.....	1,016.00	201.91
23 31 16 16-0062	EA		60" Fiber Reinforced Plastic Flange.....	1,208.77	252.39
23 31 16 16-0063	EA		66" Fiber Reinforced Plastic Flange.....	1,401.51	302.86
23 31 16 16-0064	EA		72" Fiber Reinforced Plastic Flange.....	1,604.84	343.24
<b>23 31 16 16-0065 Fiber Reinforced Plastic 90 Degree Elbow (23 31 16 16-0001)</b>					
23 31 16 16-0066	EA		2" Fiber Reinforced Plastic 90 Degree Elbow.....	179.05	52.29
23 31 16 16-0067	EA		3" Fiber Reinforced Plastic 90 Degree Elbow.....	209.93	62.49
23 31 16 16-0068	EA		4" Fiber Reinforced Plastic 90 Degree Elbow.....	243.59	72.69
23 31 16 16-0069	EA		6" Fiber Reinforced Plastic 90 Degree Elbow.....	314.57	96.92
23 31 16 16-0070	EA		8" Fiber Reinforced Plastic 90 Degree Elbow.....	385.56	121.15
23 31 16 16-0071	EA		10" Fiber Reinforced Plastic 90 Degree Elbow.....	456.56	145.37
23 31 16 16-0072	EA		12" Fiber Reinforced Plastic 90 Degree Elbow.....	560.07	180.81
23 31 16 16-0073	EA		14" Fiber Reinforced Plastic 90 Degree Elbow.....	639.04	191.41
23 31 16 16-0074	EA		16" Fiber Reinforced Plastic 90 Degree Elbow.....	730.50	207.87
23 31 16 16-0075	EA		18" Fiber Reinforced Plastic 90 Degree Elbow.....	877.98	222.90
23 31 16 16-0076	EA		20" Fiber Reinforced Plastic 90 Degree Elbow.....	1,016.06	242.29
23 31 16 16-0077	EA		24" Fiber Reinforced Plastic 90 Degree Elbow.....	1,181.65	266.52
23 31 16 16-0078	EA		30" Fiber Reinforced Plastic 90 Degree Elbow.....	1,611.58	290.75
23 31 16 16-0079	EA		36" Fiber Reinforced Plastic 90 Degree Elbow.....	2,075.67	327.09
23 31 16 16-0080	EA		42" Fiber Reinforced Plastic 90 Degree Elbow.....	2,748.44	363.54
23 31 16 16-0081	EA		48" Fiber Reinforced Plastic 90 Degree Elbow.....	3,268.20	399.88
23 31 16 16-0082	EA		54" Fiber Reinforced Plastic 90 Degree Elbow.....	3,868.51	484.59

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 31 16 16-0083	EA	60" Fiber Reinforced Plastic 90 Degree Elbow .....	4,682.60	605.72
23 31 16 16-0084	EA	66" Fiber Reinforced Plastic 90 Degree Elbow .....	5,496.29	726.67
23 31 16 16-0085	EA	72" Fiber Reinforced Plastic 90 Degree Elbow .....	6,269.82	823.49

**23 31 16 16-0086 Fiber Reinforced Plastic 45 Degree Elbow** (23 31 16 16-0001)

23 31 16 16-0087	EA	2" Fiber Reinforced Plastic 45 Degree Elbow .....	148.43	52.29
23 31 16 16-0088	EA	3" Fiber Reinforced Plastic 45 Degree Elbow .....	173.76	62.49
23 31 16 16-0089	EA	4" Fiber Reinforced Plastic 45 Degree Elbow .....	201.82	72.69
23 31 16 16-0090	EA	6" Fiber Reinforced Plastic 45 Degree Elbow .....	253.36	96.92
23 31 16 16-0091	EA	8" Fiber Reinforced Plastic 45 Degree Elbow .....	304.87	121.15
23 31 16 16-0092	EA	10" Fiber Reinforced Plastic 45 Degree Elbow .....	362.02	145.37
23 31 16 16-0093	EA	12" Fiber Reinforced Plastic 45 Degree Elbow .....	446.06	180.81
23 31 16 16-0094	EA	14" Fiber Reinforced Plastic 45 Degree Elbow .....	485.92	191.41
23 31 16 16-0095	EA	16" Fiber Reinforced Plastic 45 Degree Elbow .....	585.62	207.77
23 31 16 16-0096	EA	18" Fiber Reinforced Plastic 45 Degree Elbow .....	677.90	223.10
23 31 16 16-0097	EA	20" Fiber Reinforced Plastic 45 Degree Elbow .....	787.82	242.29
23 31 16 16-0098	EA	24" Fiber Reinforced Plastic 45 Degree Elbow .....	911.27	266.32
23 31 16 16-0099	EA	30" Fiber Reinforced Plastic 45 Degree Elbow .....	1,165.98	290.55
23 31 16 16-0100	EA	36" Fiber Reinforced Plastic 45 Degree Elbow .....	1,433.36	327.39
23 31 16 16-0101	EA	42" Fiber Reinforced Plastic 45 Degree Elbow .....	1,838.96	363.74
23 31 16 16-0102	EA	48" Fiber Reinforced Plastic 45 Degree Elbow .....	2,169.06	399.88
23 31 16 16-0103	EA	54" Fiber Reinforced Plastic 45 Degree Elbow .....	2,582.94	484.59
23 31 16 16-0104	EA	60" Fiber Reinforced Plastic 45 Degree Elbow .....	3,090.94	605.72
23 31 16 16-0105	EA	66" Fiber Reinforced Plastic 45 Degree Elbow .....	3,629.62	725.26
23 31 16 16-0106	EA	72" Fiber Reinforced Plastic 45 Degree Elbow .....	4,100.87	824.29

**23 31 16 16-0107 Fiber Reinforced Plastic Tee** (23 31 16 16-0001)

23 31 16 16-0108	EA	2" Fiber Reinforced Plastic Tee .....	227.42	78.03
23 31 16 16-0109	EA	3" Fiber Reinforced Plastic Tee .....	267.97	93.99
23 31 16 16-0110	EA	4" Fiber Reinforced Plastic Tee .....	306.93	109.03
23 31 16 16-0111	EA	6" Fiber Reinforced Plastic Tee .....	395.34	145.37
23 31 16 16-0112	EA	8" Fiber Reinforced Plastic Tee .....	482.16	180.81
23 31 16 16-0113	EA	10" Fiber Reinforced Plastic Tee .....	573.73	219.07
23 31 16 16-0114	EA	12" Fiber Reinforced Plastic Tee .....	692.99	265.51
23 31 16 16-0115	EA	14" Fiber Reinforced Plastic Tee .....	757.17	287.32
23 31 16 16-0116	EA	16" Fiber Reinforced Plastic Tee .....	881.91	312.15
23 31 16 16-0117	EA	18" Fiber Reinforced Plastic Tee .....	1,002.49	334.36
23 31 16 16-0118	EA	20" Fiber Reinforced Plastic Tee .....	1,162.34	363.54
23 31 16 16-0119	EA	24" Fiber Reinforced Plastic Tee .....	1,334.28	399.88
23 31 16 16-0120	EA	30" Fiber Reinforced Plastic Tee .....	1,603.24	436.02
23 31 16 16-0121	EA	36" Fiber Reinforced Plastic Tee .....	1,931.15	490.84
23 31 16 16-0122	EA	42" Fiber Reinforced Plastic Tee .....	2,578.42	545.36
23 31 16 16-0123	EA	48" Fiber Reinforced Plastic Tee .....	3,086.91	599.97
23 31 16 16-0124	EA	54" Fiber Reinforced Plastic Tee .....	3,716.59	727.37
23 31 16 16-0125	EA	60" Fiber Reinforced Plastic Tee .....	4,436.67	909.00
23 31 16 16-0126	EA	66" Fiber Reinforced Plastic Tee .....	5,156.18	1,090.21
23 31 16 16-0127	EA	72" Fiber Reinforced Plastic Tee .....	5,816.84	1,236.19

**23 31 16 16-0128 Fiber Reinforced Plastic Lateral Joint** (23 31 16 16-0001)

23 31 16 16-0129	EA	2" Fiber Reinforced Plastic Lateral Joint .....	185.67	78.03
23 31 16 16-0130	EA	3" Fiber Reinforced Plastic Lateral Joint .....	217.86	93.99
23 31 16 16-0131	EA	4" Fiber Reinforced Plastic Lateral Joint .....	248.53	109.03
23 31 16 16-0132	EA	6" Fiber Reinforced Plastic Lateral Joint .....	314.72	145.37
23 31 16 16-0133	EA	8" Fiber Reinforced Plastic Lateral Joint .....	379.27	180.81
23 31 16 16-0134	EA	10" Fiber Reinforced Plastic Lateral Joint .....	454.13	219.07
23 31 16 16-0135	EA	12" Fiber Reinforced Plastic Lateral Joint .....	542.95	265.71
23 31 16 16-0136	EA	14" Fiber Reinforced Plastic Lateral Joint .....	589.76	287.12
23 31 16 16-0137	EA	16" Fiber Reinforced Plastic Lateral Joint .....	648.38	312.25
23 31 16 16-0138	EA	18" Fiber Reinforced Plastic Lateral Joint .....	702.46	334.67
23 31 16 16-0139	EA	20" Fiber Reinforced Plastic Lateral Joint .....	767.65	363.74
23 31 16 16-0140	EA	24" Fiber Reinforced Plastic Lateral Joint .....	850.10	399.88
23 31 16 16-0141	EA	30" Fiber Reinforced Plastic Lateral Joint .....	940.56	435.82
23 31 16 16-0142	EA	36" Fiber Reinforced Plastic Lateral Joint .....	1,062.45	490.54
23 31 16 16-0143	EA	42" Fiber Reinforced Plastic Lateral Joint .....	1,187.76	545.66
23 31 16 16-0144	EA	48" Fiber Reinforced Plastic Lateral Joint .....	1,305.64	599.77
23 31 16 16-0145	EA	54" Fiber Reinforced Plastic Lateral Joint .....	1,556.57	725.26
23 31 16 16-0146	EA	60" Fiber Reinforced Plastic Lateral Joint .....	1,893.30	910.61
23 31 16 16-0147	EA	66" Fiber Reinforced Plastic Lateral Joint .....	2,291.40	1,091.01
23 31 16 16-0148	EA	72" Fiber Reinforced Plastic Lateral Joint .....	2,561.17	1,236.19

**23 31 16 16-0149 Fiber Reinforced Plastic One Piece Reducer** (23 31 16 16-0001)

23 31 16 16-0150	EA	2" Fiber Reinforced Plastic One Piece Reducer .....	159.60	52.40
23 31 16 16-0151	EA	3" Fiber Reinforced Plastic One Piece Reducer .....	187.72	62.59
23 31 16 16-0152	EA	4" Fiber Reinforced Plastic One Piece Reducer .....	221.37	72.69
23 31 16 16-0153	EA	6" Fiber Reinforced Plastic One Piece Reducer .....	283.97	96.92
23 31 16 16-0154	EA	8" Fiber Reinforced Plastic One Piece Reducer .....	341.04	121.15
23 31 16 16-0155	EA	10" Fiber Reinforced Plastic One Piece Reducer .....	410.22	145.98
23 31 16 16-0156	EA	12" Fiber Reinforced Plastic One Piece Reducer .....	485.01	180.81
23 31 16 16-0157	EA	14" Fiber Reinforced Plastic One Piece Reducer .....	519.31	191.41
23 31 16 16-0158	EA	16" Fiber Reinforced Plastic One Piece Reducer .....	574.48	207.77
23 31 16 16-0159	EA	18" Fiber Reinforced Plastic One Piece Reducer .....	633.38	223.10

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 16-0160	EA		20" Fiber Reinforced Plastic One Piece Reducer .....	709.91	242.29
23 31 16 16-0161	EA		24" Fiber Reinforced Plastic One Piece Reducer .....	812.05	266.82
23 31 16 16-0162	EA		30" Fiber Reinforced Plastic One Piece Reducer .....	913.88	291.25
23 31 16 16-0163	EA		36" Fiber Reinforced Plastic One Piece Reducer .....	1,035.44	327.39
23 31 16 16-0164	EA		42" Fiber Reinforced Plastic One Piece Reducer .....	1,157.22	363.74
23 31 16 16-0165	EA		48" Fiber Reinforced Plastic One Piece Reducer .....	1,306.45	399.88
23 31 16 16-0166	EA		54" Fiber Reinforced Plastic One Piece Reducer .....	1,545.02	484.59
23 31 16 16-0167	EA		60" Fiber Reinforced Plastic One Piece Reducer .....	1,835.98	605.72
23 31 16 16-0168	EA		66" Fiber Reinforced Plastic One Piece Reducer .....	2,043.53	725.26
23 31 16 16-0169	EA		72" Fiber Reinforced Plastic One Piece Reducer .....	2,292.16	824.29
<b>23 31 16 16-0170 Fiber Reinforced Plastic Two Piece Reducer (23 31 16 16-0001)</b>					
23 31 16 16-0171	EA		2" Fiber Reinforced Plastic Two Piece Reducer .....	192.99	52.40
23 31 16 16-0172	EA		3" Fiber Reinforced Plastic Two Piece Reducer .....	209.98	62.59
23 31 16 16-0173	EA		4" Fiber Reinforced Plastic Two Piece Reducer .....	243.64	72.69
23 31 16 16-0174	EA		6" Fiber Reinforced Plastic Two Piece Reducer .....	314.57	96.92
23 31 16 16-0175	EA		8" Fiber Reinforced Plastic Two Piece Reducer .....	385.56	121.15
23 31 16 16-0176	EA		10" Fiber Reinforced Plastic Two Piece Reducer .....	457.52	145.98
23 31 16 16-0177	EA		12" Fiber Reinforced Plastic Two Piece Reducer .....	546.23	180.81
23 31 16 16-0178	EA		14" Fiber Reinforced Plastic Two Piece Reducer .....	597.22	191.41
23 31 16 16-0179	EA		16" Fiber Reinforced Plastic Two Piece Reducer .....	652.40	207.77
23 31 16 16-0180	EA		18" Fiber Reinforced Plastic Two Piece Reducer .....	739.12	223.10
23 31 16 16-0181	EA		20" Fiber Reinforced Plastic Two Piece Reducer .....	943.65	242.29
23 31 16 16-0182	EA		24" Fiber Reinforced Plastic Two Piece Reducer .....	1,154.31	266.82
23 31 16 16-0183	EA		30" Fiber Reinforced Plastic Two Piece Reducer .....	1,236.67	291.25
23 31 16 16-0184	EA		36" Fiber Reinforced Plastic Two Piece Reducer .....	1,408.31	327.39
23 31 16 16-0185	EA		42" Fiber Reinforced Plastic Two Piece Reducer .....	1,524.52	363.74
23 31 16 16-0186	EA		48" Fiber Reinforced Plastic Two Piece Reducer .....	1,668.19	399.88
23 31 16 16-0187	EA		54" Fiber Reinforced Plastic Two Piece Reducer .....	1,837.20	484.59
23 31 16 16-0188	EA		60" Fiber Reinforced Plastic Two Piece Reducer .....	2,111.46	605.72
23 31 16 16-0189	EA		66" Fiber Reinforced Plastic Two Piece Reducer .....	2,349.61	725.26
23 31 16 16-0190	EA		72" Fiber Reinforced Plastic Two Piece Reducer .....	2,570.43	824.29
<b>23 31 16 16-0191 Fiber Reinforced Plastic Butterfly Dampers (23 31 16 16-0001)</b>					
23 31 16 16-0192	EA		2" Fiber Reinforced Plastic Damper .....	351.56	52.29
23 31 16 16-0193	EA		3" Fiber Reinforced Plastic Damper .....	396.37	62.49
23 31 16 16-0194	EA		4" Fiber Reinforced Plastic Damper .....	441.15	72.69
23 31 16 16-0195	EA		6" Fiber Reinforced Plastic Damper .....	523.27	96.92
23 31 16 16-0196	EA		8" Fiber Reinforced Plastic Damper .....	619.30	121.15
23 31 16 16-0197	EA		10" Fiber Reinforced Plastic Damper .....	701.43	145.37
23 31 16 16-0198	EA		12" Fiber Reinforced Plastic Damper .....	802.16	180.81
23 31 16 16-0199	EA		14" Fiber Reinforced Plastic Damper .....	889.48	191.41
23 31 16 16-0200	EA		16" Fiber Reinforced Plastic Damper .....	986.50	207.87
23 31 16 16-0201	EA		18" Fiber Reinforced Plastic Damper .....	1,081.11	222.90
23 31 16 16-0202	EA		20" Fiber Reinforced Plastic Damper .....	1,155.19	242.29
23 31 16 16-0203	EA		24" Fiber Reinforced Plastic Damper .....	1,306.87	266.52
23 31 16 16-0204	EA		30" Fiber Reinforced Plastic Damper .....	1,514.19	290.75
23 31 16 16-0205	EA		36" Fiber Reinforced Plastic Damper .....	1,741.76	327.09
23 31 16 16-0206	EA		42" Fiber Reinforced Plastic Damper .....	1,997.13	363.54
23 31 16 16-0207	EA		48" Fiber Reinforced Plastic Damper .....	2,224.72	399.88
23 31 16 16-0208	EA		54" Fiber Reinforced Plastic Damper .....	2,616.33	484.59
23 31 16 16-0209	EA		60" Fiber Reinforced Plastic Damper .....	3,068.68	605.72
23 31 16 16-0210	EA		66" Fiber Reinforced Plastic Damper .....	3,492.81	726.67
23 31 16 16-0211	EA		72" Fiber Reinforced Plastic Damper .....	4,015.90	823.49
<b>23 33 Air Duct Accessories (23 30)</b>					
<b>23 33 13 Dampers (23 33)</b>					
<b>23 33 13 13 Volume-Control Dampers (23 33 13)</b>					
<b>23 33 13 13-0001 Radial Opposed Blade Damper Steel Construction (Ruskin CDR) (23 33 13 13)</b>					
23 33 13 13-0002	EA		6" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated .....	103.84	9.12
			<i>For Stainless Steel, Add</i> .....	89.02	
			<i>For Parallel Blade Damper, Add</i> .....	27.39	
23 33 13 13-0003	EA		7" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated .....	110.49	10.25
			<i>For Stainless Steel, Add</i> .....	90.31	
			<i>For Parallel Blade Damper, Add</i> .....	27.79	
23 33 13 13-0004	EA		8" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated .....	117.90	11.39
			<i>For Stainless Steel, Add</i> .....	91.26	
			<i>For Parallel Blade Damper, Add</i> .....	28.08	
23 33 13 13-0005	EA		10" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated .....	127.18	13.67
			<i>For Stainless Steel, Add</i> .....	96.97	
			<i>For Parallel Blade Damper, Add</i> .....	29.84	
23 33 13 13-0006	EA		12" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated .....	137.58	14.81
			<i>For Stainless Steel, Add</i> .....	102.67	
			<i>For Parallel Blade Damper, Add</i> .....	31.59	
23 33 13 13-0007	EA		14" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated .....	165.02	15.96
			<i>For Stainless Steel, Add</i> .....	131.20	
			<i>For Parallel Blade Damper, Add</i> .....	40.37	
23 33 13 13-0008	EA		15" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated .....	180.42	17.09
			<i>For Stainless Steel, Add</i> .....	142.61	
			<i>For Parallel Blade Damper, Add</i> .....	43.88	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 33 Air Duct Accessories**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0009	EA		16" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated .....	190.03	19.37
			<i>For Stainless Steel, Add</i>	148.29	
			<i>For Parallel Blade Damper, Add</i>	45.63	
23 33 13 13-0010	EA		18" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated .....	209.28	20.51
			<i>For Stainless Steel, Add</i>	165.41	
			<i>For Parallel Blade Damper, Add</i>	50.90	
23 33 13 13-0011	EA		20" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated .....	247.13	22.79
			<i>For Stainless Steel, Add</i>	205.35	
			<i>For Parallel Blade Damper, Add</i>	63.18	
23 33 13 13-0012	EA		24" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated .....	273.10	22.79
			<i>For Stainless Steel, Add</i>	233.83	
			<i>For Parallel Blade Damper, Add</i>	71.95	
23 33 13 13-0013	EA		30" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated .....	313.14	26.21
			<i>For Stainless Steel, Add</i>	273.77	
			<i>For Parallel Blade Damper, Add</i>	84.24	
23 33 13 13-0014	EA		36" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated .....	337.41	27.35
			<i>For Stainless Steel, Add</i>	298.31	
			<i>For Parallel Blade Damper, Add</i>	91.79	
<b>23 33 13 13-0015 Rectangular Opposed Blade Damper (Ruskin CD) <small>(23 33 13 13)</small></b>					
23 33 13 13-0016	EA		6" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	107.69	12.68
			<i>For Stainless Steel, Add</i>	90.57	
			<i>For Parallel Blade Damper, Add</i>	27.87	
23 33 13 13-0017	EA		8" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	114.35	13.24
			<i>For Stainless Steel, Add</i>	96.99	
			<i>For Parallel Blade Damper, Add</i>	29.84	
23 33 13 13-0018	EA		8" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	119.56	13.36
			<i>For Stainless Steel, Add</i>	103.48	
			<i>For Parallel Blade Damper, Add</i>	31.84	
23 33 13 13-0019	EA		10" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	119.56	13.36
			<i>For Stainless Steel, Add</i>	103.48	
			<i>For Parallel Blade Damper, Add</i>	31.84	
23 33 13 13-0020	EA		10" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	125.69	13.71
			<i>For Stainless Steel, Add</i>	109.95	
			<i>For Parallel Blade Damper, Add</i>	33.83	
23 33 13 13-0021	EA		10" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	140.18	15.19
			<i>For Stainless Steel, Add</i>	122.86	
			<i>For Parallel Blade Damper, Add</i>	37.80	
23 33 13 13-0022	EA		12" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	125.69	13.71
			<i>For Stainless Steel, Add</i>	109.95	
			<i>For Parallel Blade Damper, Add</i>	33.83	
23 33 13 13-0023	EA		12" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	137.89	14.50
			<i>For Stainless Steel, Add</i>	122.86	
			<i>For Parallel Blade Damper, Add</i>	37.80	
23 33 13 13-0024	EA		12" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	145.19	15.19
			<i>For Stainless Steel, Add</i>	129.38	
			<i>For Parallel Blade Damper, Add</i>	39.81	
23 33 13 13-0025	EA		12" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	155.88	17.13
			<i>For Stainless Steel, Add</i>	135.85	
			<i>For Parallel Blade Damper, Add</i>	41.80	
23 33 13 13-0026	EA		14" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	135.43	14.50
			<i>For Stainless Steel, Add</i>	119.67	
			<i>For Parallel Blade Damper, Add</i>	36.82	
23 33 13 13-0027	EA		14" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	145.19	15.19
			<i>For Stainless Steel, Add</i>	129.38	
			<i>For Parallel Blade Damper, Add</i>	39.81	
23 33 13 13-0028	EA		14" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	152.45	15.98
			<i>For Stainless Steel, Add</i>	135.85	
			<i>For Parallel Blade Damper, Add</i>	41.80	
23 33 13 13-0029	EA		14" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	160.86	17.13
			<i>For Stainless Steel, Add</i>	142.32	
			<i>For Parallel Blade Damper, Add</i>	43.79	
23 33 13 13-0030	EA		14" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	178.99	19.06
			<i>For Stainless Steel, Add</i>	158.47	
			<i>For Parallel Blade Damper, Add</i>	48.76	
23 33 13 13-0031	EA		16" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	145.19	15.19
			<i>For Stainless Steel, Add</i>	129.38	
			<i>For Parallel Blade Damper, Add</i>	39.81	
23 33 13 13-0032	EA		16" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	153.59	16.32
			<i>For Stainless Steel, Add</i>	135.85	
			<i>For Parallel Blade Damper, Add</i>	41.80	
23 33 13 13-0033	EA		16" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	163.14	17.92
			<i>For Stainless Steel, Add</i>	142.32	
			<i>For Parallel Blade Damper, Add</i>	43.79	
23 33 13 13-0034	EA		16" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	171.52	19.06
			<i>For Stainless Steel, Add</i>	148.76	
			<i>For Parallel Blade Damper, Add</i>	45.77	
23 33 13 13-0035	EA		16" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	189.72	20.89
			<i>For Stainless Steel, Add</i>	165.00	
			<i>For Parallel Blade Damper, Add</i>	50.77	
23 33 13 13-0036	EA		16" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	207.85	22.84
			<i>For Stainless Steel, Add</i>	181.14	
			<i>For Parallel Blade Damper, Add</i>	55.74	
23 33 13 13-0037	EA		18" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	152.45	15.98
			<i>For Stainless Steel, Add</i>	135.85	
			<i>For Parallel Blade Damper, Add</i>	41.80	
23 33 13 13-0038	EA		18" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	163.32	17.13
			<i>For Stainless Steel, Add</i>	145.52	
			<i>For Parallel Blade Damper, Add</i>	44.78	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0039	EA		18" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation ..... For Stainless Steel, Add For Parallel Blade Damper, Add	176.54 155.29 47.78	19.06
23 33 13 13-0040	EA		18" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation ..... For Stainless Steel, Add For Parallel Blade Damper, Add	194.70 171.47 52.76	20.89
23 33 13 13-0041	EA		18" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation ..... For Stainless Steel, Add For Parallel Blade Damper, Add	210.34 184.38 56.73	22.84
23 33 13 13-0042	EA		18" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation ..... For Stainless Steel, Add For Parallel Blade Damper, Add	228.46 200.53 61.70	24.66
23 33 13 13-0043	EA		18" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation ..... For Stainless Steel, Add For Parallel Blade Damper, Add	241.64 210.24 64.69	26.60
23 33 13 13-0044	EA		20" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation ..... For Stainless Steel, Add For Parallel Blade Damper, Add	160.86 142.32 43.79	17.13
23 33 13 13-0045	EA		20" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation ..... For Stainless Steel, Add For Parallel Blade Damper, Add	176.50 155.23 47.76	19.06
23 33 13 13-0046	EA		20" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation ..... For Stainless Steel, Add For Parallel Blade Damper, Add	192.17 168.18 51.75	20.89
23 33 13 13-0047	EA		20" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation ..... For Stainless Steel, Add For Parallel Blade Damper, Add	217.81 194.09 59.72	22.84
23 33 13 13-0048	EA		20" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation ..... For Stainless Steel, Add For Parallel Blade Damper, Add	230.98 203.80 62.71	24.66
23 33 13 13-0049	EA		20" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation ..... For Stainless Steel, Add For Parallel Blade Damper, Add	244.16 213.51 65.70	26.60
23 33 13 13-0050	EA		20" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation ..... For Stainless Steel, Add For Parallel Blade Damper, Add	259.80 226.42 69.67	28.55
23 33 13 13-0051	EA		20" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation ..... For Stainless Steel, Add For Parallel Blade Damper, Add	275.43 239.33 73.64	30.37
23 33 13 13-0052	EA		24" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation ..... For Stainless Steel, Add For Parallel Blade Damper, Add	181.48 161.71 49.76	19.06
23 33 13 13-0053	EA		24" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation ..... For Stainless Steel, Add For Parallel Blade Damper, Add	202.14 181.14 55.74	20.89
23 33 13 13-0054	EA		24" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation ..... For Stainless Steel, Add For Parallel Blade Damper, Add	217.81 194.09 59.72	22.84
23 33 13 13-0055	EA		24" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation ..... For Stainless Steel, Add For Parallel Blade Damper, Add	238.45 213.51 65.70	24.66
23 33 13 13-0056	EA		24" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation ..... For Stainless Steel, Add For Parallel Blade Damper, Add	251.60 223.18 68.67	26.60
23 33 13 13-0057	EA		24" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation ..... For Stainless Steel, Add For Parallel Blade Damper, Add	264.78 232.90 71.66	28.55
23 33 13 13-0058	EA		24" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation ..... For Stainless Steel, Add For Parallel Blade Damper, Add	285.39 252.28 77.62	30.37
23 33 13 13-0059	EA		24" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation ..... For Stainless Steel, Add For Parallel Blade Damper, Add	311.72 271.66 83.59	34.25
23 33 13 13-0060	EA		24" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation ..... For Stainless Steel, Add For Parallel Blade Damper, Add	343.10 297.61 91.57	38.02
23 33 13 13-0061	EA		28" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation ..... For Stainless Steel, Add For Parallel Blade Damper, Add	202.14 181.14 55.74	20.89
23 33 13 13-0062	EA		28" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation ..... For Stainless Steel, Add For Parallel Blade Damper, Add	217.81 194.09 59.72	22.84
23 33 13 13-0063	EA		28" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation ..... For Stainless Steel, Add For Parallel Blade Damper, Add	238.45 213.51 65.70	24.66
23 33 13 13-0064	EA		28" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation ..... For Stainless Steel, Add For Parallel Blade Damper, Add	254.09 226.42 69.67	26.60
23 33 13 13-0065	EA		28" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation ..... For Stainless Steel, Add For Parallel Blade Damper, Add	272.22 242.57 74.64	28.55
23 33 13 13-0066	EA		28" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation ..... For Stainless Steel, Add For Parallel Blade Damper, Add	290.34 258.71 79.60	30.37
23 33 13 13-0067	EA		28" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation ..... For Stainless Steel, Add For Parallel Blade Damper, Add	316.70 278.14 85.58	34.25
23 33 13 13-0068	EA		28" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation ..... For Stainless Steel, Add For Parallel Blade Damper, Add	343.10 297.61 91.57	38.02



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13	13-0099	EA	40" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	362.99 323.47 99.53	38.02
23 33 13	13-0100	EA	40" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	400.01 349.32 107.48	43.72
23 33 13	13-0101	EA	40" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	431.36 375.23 115.46	47.50
23 33 13	13-0102	EA	40" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	470.34 414.04 127.40	50.58
23 33 13	13-0103	EA	40" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	533.05 485.17 149.28	53.21
23 33 13	13-0104	EA	40" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	572.00 523.94 161.21	56.29
23 33 13	13-0105	EA	40" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	631.33 595.13 183.12	57.77
23 33 13	13-0106	EA	40" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	690.25 659.84 203.03	60.85
23 33 13	13-0107	EA	44" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	279.69 252.28 77.62	28.55
23 33 13	13-0108	EA	44" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	305.28 278.14 85.58	30.37
23 33 13	13-0109	EA	44" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	325.97 297.61 91.57	32.31
23 33 13	13-0110	EA	44" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	336.66 304.08 93.56	34.25
23 33 13	13-0111	EA	44" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	362.26 329.94 101.52	36.08
23 33 13	13-0112	EA	44" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	387.86 355.80 109.48	38.02
23 33 13	13-0113	EA	44" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	435.61 388.18 119.44	45.67
23 33 13	13-0114	EA	44" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	471.87 420.47 129.38	49.43
23 33 13	13-0115	EA	44" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	533.05 485.17 149.28	53.21
23 33 13	13-0116	EA	44" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	589.27 543.41 167.20	57.09
23 33 13	13-0117	EA	44" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	650.40 608.04 187.09	60.85
23 33 13	13-0118	EA	44" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	700.91 666.28 205.01	62.68
23 33 13	13-0119	EA	44" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	751.41 724.50 222.92	64.62
23 33 13	13-0120	EA	44" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	801.92 782.74 240.84	66.56
23 33 13	13-0121	EA	48" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	300.30 271.66 83.59	30.37
23 33 13	13-0122	EA	48" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	325.97 297.61 91.57	32.31
23 33 13	13-0123	EA	48" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	336.66 304.08 93.56	34.25
23 33 13	13-0124	EA	48" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	362.99 323.47 99.53	38.02
23 33 13	13-0125	EA	48" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	394.30 349.32 107.48	41.79
23 33 13	13-0126	EA	48" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	425.65 375.23 115.46	45.67
23 33 13	13-0127	EA	48" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	466.92 414.04 127.40	49.43
23 33 13	13-0128	EA	48" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	508.15 452.80 139.32	53.21



Table with columns: MINOR, CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Contains detailed pricing for various damper types and sizes.

23 33 13 16 Fire Dampers (23 33 13)
23 33 13 16-0001 Fire Dampers (23 33 13 16)





**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 33 Air Duct Accessories**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 33 13 16-0038	EA 20" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	137.90	26.60
	<i>For Spring Activated Horizontal Mount Operation, Add</i>	13.05	
	<i>For Dynamic Damper, Add</i>	31.31	
	<i>For 3 Hour Rated, Add</i>	17.39	
	<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	14.50	
23 33 13 16-0039	EA 20" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	147.11	28.55
	<i>For Spring Activated Horizontal Mount Operation, Add</i>	13.83	
	<i>For Dynamic Damper, Add</i>	33.20	
	<i>For 3 Hour Rated, Add</i>	18.44	
	<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	15.37	
23 33 13 16-0040	EA 20" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	156.32	30.37
	<i>For Spring Activated Horizontal Mount Operation, Add</i>	14.62	
	<i>For Dynamic Damper, Add</i>	35.09	
	<i>For 3 Hour Rated, Add</i>	19.50	
	<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	16.25	
23 33 13 16-0041	EA 24" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	101.00	19.06
	<i>For Spring Activated Horizontal Mount Operation, Add</i>	9.88	
	<i>For Dynamic Damper, Add</i>	23.71	
	<i>For 3 Hour Rated, Add</i>	13.17	
	<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	10.98	
23 33 13 16-0042	EA 24" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	111.99	20.89
	<i>For Spring Activated Horizontal Mount Operation, Add</i>	11.07	
	<i>For Dynamic Damper, Add</i>	26.56	
	<i>For 3 Hour Rated, Add</i>	14.76	
	<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	12.30	
23 33 13 16-0043	EA 24" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	121.22	22.84
	<i>For Spring Activated Horizontal Mount Operation, Add</i>	11.86	
	<i>For Dynamic Damper, Add</i>	28.46	
	<i>For 3 Hour Rated, Add</i>	15.81	
	<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	13.18	
23 33 13 16-0044	EA 24" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	132.19	24.66
	<i>For Spring Activated Horizontal Mount Operation, Add</i>	13.05	
	<i>For Dynamic Damper, Add</i>	31.31	
	<i>For 3 Hour Rated, Add</i>	17.39	
	<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	14.50	
23 33 13 16-0045	EA 24" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	140.53	26.60
	<i>For Spring Activated Horizontal Mount Operation, Add</i>	13.64	
	<i>For Dynamic Damper, Add</i>	32.73	
	<i>For 3 Hour Rated, Add</i>	18.18	
	<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	15.15	
23 33 13 16-0046	EA 24" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	148.87	28.55
	<i>For Spring Activated Horizontal Mount Operation, Add</i>	14.23	
	<i>For Dynamic Damper, Add</i>	34.15	
	<i>For 3 Hour Rated, Add</i>	18.97	
	<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	15.81	
23 33 13 16-0047	EA 24" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	159.84	30.37
	<i>For Spring Activated Horizontal Mount Operation, Add</i>	15.41	
	<i>For Dynamic Damper, Add</i>	37.00	
	<i>For 3 Hour Rated, Add</i>	20.55	
	<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	17.13	
23 33 13 16-0048	EA 24" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	176.52	34.25
	<i>For Spring Activated Horizontal Mount Operation, Add</i>	16.60	
	<i>For Dynamic Damper, Add</i>	39.84	
	<i>For 3 Hour Rated, Add</i>	22.13	
	<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	18.44	
23 33 13 16-0049	EA 24" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	194.98	38.02
	<i>For Spring Activated Horizontal Mount Operation, Add</i>	18.18	
	<i>For Dynamic Damper, Add</i>	43.64	
	<i>For 3 Hour Rated, Add</i>	24.24	
	<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	20.20	
23 33 13 16-0050	EA 28" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	111.99	20.89
	<i>For Spring Activated Horizontal Mount Operation, Add</i>	11.07	
	<i>For Dynamic Damper, Add</i>	26.56	
	<i>For 3 Hour Rated, Add</i>	14.76	
	<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	12.30	
23 33 13 16-0051	EA 28" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	121.22	22.84
	<i>For Spring Activated Horizontal Mount Operation, Add</i>	11.86	
	<i>For Dynamic Damper, Add</i>	28.46	
	<i>For 3 Hour Rated, Add</i>	15.81	
	<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	13.18	
23 33 13 16-0052	EA 28" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	132.19	24.66
	<i>For Spring Activated Horizontal Mount Operation, Add</i>	13.05	
	<i>For Dynamic Damper, Add</i>	31.31	
	<i>For 3 Hour Rated, Add</i>	17.39	
	<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	14.50	
23 33 13 16-0053	EA 28" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	141.40	26.60
	<i>For Spring Activated Horizontal Mount Operation, Add</i>	13.83	
	<i>For Dynamic Damper, Add</i>	33.20	
	<i>For 3 Hour Rated, Add</i>	18.44	
	<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	15.37	
23 33 13 16-0054	EA 28" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	151.51	28.55
	<i>For Spring Activated Horizontal Mount Operation, Add</i>	14.82	
	<i>For Dynamic Damper, Add</i>	35.58	
	<i>For 3 Hour Rated, Add</i>	19.76	
	<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	16.47	
23 33 13 16-0055	EA 28" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	161.58	30.37
	<i>For Spring Activated Horizontal Mount Operation, Add</i>	15.81	
	<i>For Dynamic Damper, Add</i>	37.94	
	<i>For 3 Hour Rated, Add</i>	21.08	
	<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	17.56	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0056	EA		28" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	178.28	34.25
			For Spring Activated Horizontal Mount Operation, Add	16.99	
			For Dynamic Damper, Add	40.79	
			For 3 Hour Rated, Add	22.66	
			For Cap Of Damper Blades Outside Air Stream, Add	18.88	
23 33 13 16-0057	EA		28" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	194.98	38.02
			For Spring Activated Horizontal Mount Operation, Add	18.18	
			For Dynamic Damper, Add	43.64	
			For 3 Hour Rated, Add	24.24	
			For Cap Of Damper Blades Outside Air Stream, Add	20.20	
23 33 13 16-0058	EA		28" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	211.22	39.96
			For Spring Activated Horizontal Mount Operation, Add	20.55	
			For Dynamic Damper, Add	49.32	
			For 3 Hour Rated, Add	27.40	
			For Cap Of Damper Blades Outside Air Stream, Add	22.84	
23 33 13 16-0059	EA		28" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	231.43	43.72
			For Spring Activated Horizontal Mount Operation, Add	22.53	
			For Dynamic Damper, Add	54.07	
			For 3 Hour Rated, Add	30.04	
			For Cap Of Damper Blades Outside Air Stream, Add	25.03	
23 33 13 16-0060	EA		32" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	126.49	22.84
			For Spring Activated Horizontal Mount Operation, Add	13.05	
			For Dynamic Damper, Add	31.31	
			For 3 Hour Rated, Add	17.39	
			For Cap Of Damper Blades Outside Air Stream, Add	14.50	
23 33 13 16-0061	EA		32" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	133.93	24.66
			For Spring Activated Horizontal Mount Operation, Add	13.44	
			For Dynamic Damper, Add	32.25	
			For 3 Hour Rated, Add	17.92	
			For Cap Of Damper Blades Outside Air Stream, Add	14.93	
23 33 13 16-0062	EA		32" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	141.40	26.60
			For Spring Activated Horizontal Mount Operation, Add	13.83	
			For Dynamic Damper, Add	33.20	
			For 3 Hour Rated, Add	18.44	
			For Cap Of Damper Blades Outside Air Stream, Add	15.37	
23 33 13 16-0063	EA		32" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	150.62	28.55
			For Spring Activated Horizontal Mount Operation, Add	14.62	
			For Dynamic Damper, Add	35.09	
			For 3 Hour Rated, Add	19.50	
			For Cap Of Damper Blades Outside Air Stream, Add	16.25	
23 33 13 16-0064	EA		32" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	161.92	30.37
			For Spring Activated Horizontal Mount Operation, Add	15.88	
			For Dynamic Damper, Add	38.12	
			For 3 Hour Rated, Add	21.18	
			For Cap Of Damper Blades Outside Air Stream, Add	17.65	
23 33 13 16-0065	EA		32" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	178.28	34.25
			For Spring Activated Horizontal Mount Operation, Add	16.99	
			For Dynamic Damper, Add	40.79	
			For 3 Hour Rated, Add	22.66	
			For Cap Of Damper Blades Outside Air Stream, Add	18.88	
23 33 13 16-0066	EA		32" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	196.74	38.02
			For Spring Activated Horizontal Mount Operation, Add	18.58	
			For Dynamic Damper, Add	44.59	
			For 3 Hour Rated, Add	24.77	
			For Cap Of Damper Blades Outside Air Stream, Add	20.64	
23 33 13 16-0067	EA		32" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	215.19	41.79
			For Spring Activated Horizontal Mount Operation, Add	20.16	
			For Dynamic Damper, Add	48.38	
			For 3 Hour Rated, Add	26.88	
			For Cap Of Damper Blades Outside Air Stream, Add	22.40	
23 33 13 16-0068	EA		32" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	231.43	43.72
			For Spring Activated Horizontal Mount Operation, Add	22.53	
			For Dynamic Damper, Add	54.07	
			For 3 Hour Rated, Add	30.04	
			For Cap Of Damper Blades Outside Air Stream, Add	25.03	
23 33 13 16-0069	EA		32" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	252.86	46.81
			For Spring Activated Horizontal Mount Operation, Add	25.30	
			For Dynamic Damper, Add	60.71	
			For 3 Hour Rated, Add	33.73	
			For Cap Of Damper Blades Outside Air Stream, Add	28.11	
23 33 13 16-0070	EA		32" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	274.92	49.43
			For Spring Activated Horizontal Mount Operation, Add	28.46	
			For Dynamic Damper, Add	68.30	
			For 3 Hour Rated, Add	37.95	
			For Cap Of Damper Blades Outside Air Stream, Add	31.62	
23 33 13 16-0071	EA		36" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	137.45	24.66
			For Spring Activated Horizontal Mount Operation, Add	14.23	
			For Dynamic Damper, Add	34.15	
			For 3 Hour Rated, Add	18.97	
			For Cap Of Damper Blades Outside Air Stream, Add	15.81	
23 33 13 16-0072	EA		36" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	146.67	26.60
			For Spring Activated Horizontal Mount Operation, Add	15.02	
			For Dynamic Damper, Add	36.05	
			For 3 Hour Rated, Add	20.03	
			For Cap Of Damper Blades Outside Air Stream, Add	16.69	
23 33 13 16-0073	EA		36" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	155.88	28.55
			For Spring Activated Horizontal Mount Operation, Add	15.81	
			For Dynamic Damper, Add	37.94	
			For 3 Hour Rated, Add	21.08	
			For Cap Of Damper Blades Outside Air Stream, Add	17.56	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 33 Air Duct Accessories**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 33 13 16-0074	EA 36" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	166.86	30.37
	<i>For Spring Activated Horizontal Mount Operation, Add</i>	16.99	
	<i>For Dynamic Damper, Add</i>	40.79	
	<i>For 3 Hour Rated, Add</i>	22.66	
	<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	18.88	
23 33 13 16-0075	EA 36" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	180.93	34.25
	<i>For Spring Activated Horizontal Mount Operation, Add</i>	17.59	
	<i>For Dynamic Damper, Add</i>	42.22	
	<i>For 3 Hour Rated, Add</i>	23.45	
	<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	19.55	
23 33 13 16-0076	EA 36" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	189.27	36.08
	<i>For Spring Activated Horizontal Mount Operation, Add</i>	18.18	
	<i>For Dynamic Damper, Add</i>	43.64	
	<i>For 3 Hour Rated, Add</i>	24.24	
	<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	20.20	
23 33 13 16-0077	EA 36" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	215.19	41.79
	<i>For Spring Activated Horizontal Mount Operation, Add</i>	20.16	
	<i>For Dynamic Damper, Add</i>	48.38	
	<i>For 3 Hour Rated, Add</i>	26.88	
	<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	22.40	
23 33 13 16-0078	EA 36" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	235.38	45.67
	<i>For Spring Activated Horizontal Mount Operation, Add</i>	22.13	
	<i>For Dynamic Damper, Add</i>	53.12	
	<i>For 3 Hour Rated, Add</i>	29.51	
	<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	24.59	
23 33 13 16-0079	EA 36" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	203.81	47.16
	<i>For Spring Activated Horizontal Mount Operation, Add</i>	14.00	
	<i>For Dynamic Damper, Add</i>	33.61	
	<i>For 3 Hour Rated, Add</i>	18.67	
	<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	15.56	
23 33 13 16-0080	EA 36" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	274.82	50.58
	<i>For Spring Activated Horizontal Mount Operation, Add</i>	27.67	
	<i>For Dynamic Damper, Add</i>	66.40	
	<i>For 3 Hour Rated, Add</i>	36.89	
	<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	30.74	
23 33 13 16-0081	EA 36" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	295.10	53.21
	<i>For Spring Activated Horizontal Mount Operation, Add</i>	30.43	
	<i>For Dynamic Damper, Add</i>	73.04	
	<i>For 3 Hour Rated, Add</i>	40.58	
	<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	33.82	
23 33 13 16-0082	EA 36" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	314.86	55.14
	<i>For Spring Activated Horizontal Mount Operation, Add</i>	33.59	
	<i>For Dynamic Damper, Add</i>	80.63	
	<i>For 3 Hour Rated, Add</i>	44.79	
	<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	37.33	
23 33 13 16-0083	EA 40" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	144.91	28.55
	<i>For Spring Activated Horizontal Mount Operation, Add</i>	14.62	
	<i>For Dynamic Damper, Add</i>	35.09	
	<i>For 3 Hour Rated, Add</i>	19.50	
	<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	16.25	
23 33 13 16-0084	EA 40" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	157.64	30.37
	<i>For Spring Activated Horizontal Mount Operation, Add</i>	16.20	
	<i>For Dynamic Damper, Add</i>	38.89	
	<i>For 3 Hour Rated, Add</i>	21.60	
	<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	18.00	
23 33 13 16-0085	EA 40" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	165.10	32.31
	<i>For Spring Activated Horizontal Mount Operation, Add</i>	16.60	
	<i>For Dynamic Damper, Add</i>	39.84	
	<i>For 3 Hour Rated, Add</i>	22.13	
	<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	18.44	
23 33 13 16-0086	EA 40" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	172.57	34.25
	<i>For Spring Activated Horizontal Mount Operation, Add</i>	16.99	
	<i>For Dynamic Damper, Add</i>	40.79	
	<i>For 3 Hour Rated, Add</i>	22.66	
	<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	18.88	
23 33 13 16-0087	EA 40" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	190.15	36.08
	<i>For Spring Activated Horizontal Mount Operation, Add</i>	18.38	
	<i>For Dynamic Damper, Add</i>	44.11	
	<i>For 3 Hour Rated, Add</i>	24.51	
	<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	20.42	
23 33 13 16-0088	EA 40" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	202.01	38.02
	<i>For Spring Activated Horizontal Mount Operation, Add</i>	19.76	
	<i>For Dynamic Damper, Add</i>	47.43	
	<i>For 3 Hour Rated, Add</i>	26.35	
	<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	21.96	
23 33 13 16-0089	EA 40" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	226.16	43.72
	<i>For Spring Activated Horizontal Mount Operation, Add</i>	21.34	
	<i>For Dynamic Damper, Add</i>	51.22	
	<i>For 3 Hour Rated, Add</i>	28.46	
	<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	23.72	
23 33 13 16-0090	EA 40" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	244.61	47.50
	<i>For Spring Activated Horizontal Mount Operation, Add</i>	22.93	
	<i>For Dynamic Damper, Add</i>	55.02	
	<i>For 3 Hour Rated, Add</i>	30.57	
	<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	25.47	
23 33 13 16-0091	EA 40" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	264.28	50.58
	<i>For Spring Activated Horizontal Mount Operation, Add</i>	25.30	
	<i>For Dynamic Damper, Add</i>	60.71	
	<i>For 3 Hour Rated, Add</i>	33.73	
	<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	28.11	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0092	EA		40" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	291.59	53.21
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	29.64	
			<i>For Dynamic Damper, Add</i>	71.15	
			<i>For 3 Hour Rated, Add</i>	39.53	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	32.94	
23 33 13 16-0093	EA		40" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	311.25	56.29
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	32.01	
			<i>For Dynamic Damper, Add</i>	76.83	
			<i>For 3 Hour Rated, Add</i>	42.68	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	35.57	
23 33 13 16-0094	EA		40" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	335.15	57.77
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	36.36	
			<i>For Dynamic Damper, Add</i>	87.27	
			<i>For 3 Hour Rated, Add</i>	48.48	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	40.40	
23 33 13 16-0095	EA		40" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	361.86	60.85
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	40.32	
			<i>For Dynamic Damper, Add</i>	96.76	
			<i>For 3 Hour Rated, Add</i>	53.75	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	44.80	
23 33 13 16-0096	EA		44" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	154.14	28.55
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	15.41	
			<i>For Dynamic Damper, Add</i>	37.00	
			<i>For 3 Hour Rated, Add</i>	20.55	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	17.13	
23 33 13 16-0097	EA		44" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	166.86	30.37
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	16.99	
			<i>For Dynamic Damper, Add</i>	40.79	
			<i>For 3 Hour Rated, Add</i>	22.66	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	18.88	
23 33 13 16-0098	EA		44" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	177.85	32.31
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	18.18	
			<i>For Dynamic Damper, Add</i>	43.64	
			<i>For 3 Hour Rated, Add</i>	24.24	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	20.20	
23 33 13 16-0099	EA		44" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	185.32	34.25
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	18.58	
			<i>For Dynamic Damper, Add</i>	44.59	
			<i>For 3 Hour Rated, Add</i>	24.77	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	20.64	
23 33 13 16-0100	EA		44" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	198.06	36.08
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	20.16	
			<i>For Dynamic Damper, Add</i>	48.38	
			<i>For 3 Hour Rated, Add</i>	26.88	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	22.40	
23 33 13 16-0101	EA		44" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	210.79	38.02
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	21.74	
			<i>For Dynamic Damper, Add</i>	52.17	
			<i>For 3 Hour Rated, Add</i>	28.99	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	24.16	
23 33 13 16-0102	EA		44" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	242.42	45.67
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	23.72	
			<i>For Dynamic Damper, Add</i>	56.92	
			<i>For 3 Hour Rated, Add</i>	31.62	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	26.35	
23 33 13 16-0103	EA		44" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	262.61	49.43
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	25.69	
			<i>For Dynamic Damper, Add</i>	61.66	
			<i>For 3 Hour Rated, Add</i>	34.25	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	28.55	
23 33 13 16-0104	EA		44" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	291.59	53.21
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	29.64	
			<i>For Dynamic Damper, Add</i>	71.15	
			<i>For 3 Hour Rated, Add</i>	39.53	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	32.94	
23 33 13 16-0105	EA		44" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	318.82	57.09
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	33.20	
			<i>For Dynamic Damper, Add</i>	79.68	
			<i>For 3 Hour Rated, Add</i>	44.27	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	36.89	
23 33 13 16-0106	EA		44" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	347.80	60.85
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	37.15	
			<i>For Dynamic Damper, Add</i>	89.16	
			<i>For 3 Hour Rated, Add</i>	49.54	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	41.28	
23 33 13 16-0107	EA		44" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	369.32	62.68
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	40.71	
			<i>For Dynamic Damper, Add</i>	97.70	
			<i>For 3 Hour Rated, Add</i>	54.28	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	45.23	
23 33 13 16-0108	EA		44" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	390.84	64.62
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	44.27	
			<i>For Dynamic Damper, Add</i>	106.24	
			<i>For 3 Hour Rated, Add</i>	59.02	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	49.19	
23 33 13 16-0109	EA		44" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	412.37	66.56
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	47.83	
			<i>For Dynamic Damper, Add</i>	114.78	
			<i>For 3 Hour Rated, Add</i>	63.77	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	53.14	

## 23 Heating, Ventilating, and Air-Conditioning (HVAC)

## 23 30 HVAC Air Distribution

## 23 33 Air Duct Accessories

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33	13 16-0110	EA	48" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	165.10	30.37
			For Spring Activated Horizontal Mount Operation, Add	16.60	
			For Dynamic Damper, Add	39.84	
			For 3 Hour Rated, Add	22.13	
			For Cap Of Damper Blades Outside Air Stream, Add	18.44	
23 33	13 16-0111	EA	48" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	177.85	32.31
			For Spring Activated Horizontal Mount Operation, Add	18.18	
			For Dynamic Damper, Add	43.64	
			For 3 Hour Rated, Add	24.24	
			For Cap Of Damper Blades Outside Air Stream, Add	20.20	
23 33	13 16-0112	EA	48" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	185.32	34.25
			For Spring Activated Horizontal Mount Operation, Add	18.58	
			For Dynamic Damper, Add	44.59	
			For 3 Hour Rated, Add	24.77	
			For Cap Of Damper Blades Outside Air Stream, Add	20.64	
23 33	13 16-0113	EA	48" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	202.01	38.02
			For Spring Activated Horizontal Mount Operation, Add	19.76	
			For Dynamic Damper, Add	47.43	
			For 3 Hour Rated, Add	26.35	
			For Cap Of Damper Blades Outside Air Stream, Add	21.96	
23 33	13 16-0114	EA	48" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	220.45	41.79
			For Spring Activated Horizontal Mount Operation, Add	21.34	
			For Dynamic Damper, Add	51.22	
			For 3 Hour Rated, Add	28.46	
			For Cap Of Damper Blades Outside Air Stream, Add	23.72	
23 33	13 16-0115	EA	48" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	238.90	45.67
			For Spring Activated Horizontal Mount Operation, Add	22.93	
			For Dynamic Damper, Add	55.02	
			For 3 Hour Rated, Add	30.57	
			For Cap Of Damper Blades Outside Air Stream, Add	25.47	
23 33	13 16-0116	EA	48" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	260.86	49.43
			For Spring Activated Horizontal Mount Operation, Add	25.30	
			For Dynamic Damper, Add	60.71	
			For 3 Hour Rated, Add	33.73	
			For Cap Of Damper Blades Outside Air Stream, Add	28.11	
23 33	13 16-0117	EA	48" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	282.81	53.21
			For Spring Activated Horizontal Mount Operation, Add	27.67	
			For Dynamic Damper, Add	66.40	
			For 3 Hour Rated, Add	36.89	
			For Cap Of Damper Blades Outside Air Stream, Add	30.74	
23 33	13 16-0118	EA	48" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	310.04	57.09
			For Spring Activated Horizontal Mount Operation, Add	31.23	
			For Dynamic Damper, Add	74.94	
			For 3 Hour Rated, Add	41.63	
			For Cap Of Damper Blades Outside Air Stream, Add	34.70	
23 33	13 16-0119	EA	48" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	340.77	60.85
			For Spring Activated Horizontal Mount Operation, Add	35.57	
			For Dynamic Damper, Add	85.37	
			For 3 Hour Rated, Add	47.43	
			For Cap Of Damper Blades Outside Air Stream, Add	39.52	
23 33	13 16-0120	EA	48" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	362.31	62.68
			For Spring Activated Horizontal Mount Operation, Add	39.13	
			For Dynamic Damper, Add	93.92	
			For 3 Hour Rated, Add	52.18	
			For Cap Of Damper Blades Outside Air Stream, Add	43.48	
23 33	13 16-0121	EA	48" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	389.08	64.62
			For Spring Activated Horizontal Mount Operation, Add	43.87	
			For Dynamic Damper, Add	105.29	
			For 3 Hour Rated, Add	58.49	
			For Cap Of Damper Blades Outside Air Stream, Add	48.75	
23 33	13 16-0122	EA	48" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	416.32	68.39
			For Spring Activated Horizontal Mount Operation, Add	47.43	
			For Dynamic Damper, Add	113.83	
			For 3 Hour Rated, Add	63.24	
			For Cap Of Damper Blades Outside Air Stream, Add	52.70	
23 33	13 16-0123	EA	48" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	443.10	70.33
			For Spring Activated Horizontal Mount Operation, Add	52.17	
			For Dynamic Damper, Add	125.22	
			For 3 Hour Rated, Add	69.56	
			For Cap Of Damper Blades Outside Air Stream, Add	57.97	
23 33	13 16-0124	EA	48" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	474.27	76.04
			For Spring Activated Horizontal Mount Operation, Add	55.33	
			For Dynamic Damper, Add	132.80	
			For 3 Hour Rated, Add	73.78	
			For Cap Of Damper Blades Outside Air Stream, Add	61.48	
23 33	13 16-0125	EA	52" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	176.09	32.31
			For Spring Activated Horizontal Mount Operation, Add	17.79	
			For Dynamic Damper, Add	42.69	
			For 3 Hour Rated, Add	23.72	
			For Cap Of Damper Blades Outside Air Stream, Add	19.76	
23 33	13 16-0126	EA	52" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	188.83	34.25
			For Spring Activated Horizontal Mount Operation, Add	19.37	
			For Dynamic Damper, Add	46.48	
			For 3 Hour Rated, Add	25.82	
			For Cap Of Damper Blades Outside Air Stream, Add	21.52	
23 33	13 16-0127	EA	52" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	207.27	38.02
			For Spring Activated Horizontal Mount Operation, Add	20.95	
			For Dynamic Damper, Add	50.27	
			For 3 Hour Rated, Add	27.93	
			For Cap Of Damper Blades Outside Air Stream, Add	23.28	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0128	EA		52" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	220.45	41.79
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	21.34	
			<i>For Dynamic Damper, Add</i>	51.22	
			<i>For 3 Hour Rated, Add</i>	28.46	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	23.72	
23 33 13 16-0129	EA		52" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	239.79	45.67
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	23.13	
			<i>For Dynamic Damper, Add</i>	55.50	
			<i>For 3 Hour Rated, Add</i>	30.83	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	25.70	
23 33 13 16-0130	EA		52" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	259.10	49.43
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	24.90	
			<i>For Dynamic Damper, Add</i>	59.76	
			<i>For 3 Hour Rated, Add</i>	33.20	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	27.67	
23 33 13 16-0131	EA		52" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	281.06	53.21
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	27.27	
			<i>For Dynamic Damper, Add</i>	65.46	
			<i>For 3 Hour Rated, Add</i>	36.37	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	30.31	
23 33 13 16-0132	EA		52" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	303.01	57.09
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	29.64	
			<i>For Dynamic Damper, Add</i>	71.15	
			<i>For 3 Hour Rated, Add</i>	39.53	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	32.94	
23 33 13 16-0133	EA		52" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	330.24	60.85
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	33.20	
			<i>For Dynamic Damper, Add</i>	79.68	
			<i>For 3 Hour Rated, Add</i>	44.27	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	36.89	
23 33 13 16-0134	EA		52" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	362.74	64.62
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	37.94	
			<i>For Dynamic Damper, Add</i>	91.07	
			<i>For 3 Hour Rated, Add</i>	50.59	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	42.16	
23 33 13 16-0135	EA		52" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	386.00	66.56
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	41.89	
			<i>For Dynamic Damper, Add</i>	100.54	
			<i>For 3 Hour Rated, Add</i>	55.86	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	46.55	
23 33 13 16-0136	EA		52" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	414.56	68.39
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	47.03	
			<i>For Dynamic Damper, Add</i>	112.88	
			<i>For 3 Hour Rated, Add</i>	62.71	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	52.26	
23 33 13 16-0137	EA		52" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	447.04	72.27
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	51.77	
			<i>For Dynamic Damper, Add</i>	124.26	
			<i>For 3 Hour Rated, Add</i>	69.03	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	57.53	
23 33 13 16-0138	EA		52" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	474.27	76.04
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	55.33	
			<i>For Dynamic Damper, Add</i>	132.80	
			<i>For 3 Hour Rated, Add</i>	73.78	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	61.48	
23 33 13 16-0139	EA		52" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	512.48	81.75
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	60.08	
			<i>For Dynamic Damper, Add</i>	144.19	
			<i>For 3 Hour Rated, Add</i>	80.10	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	66.75	
23 33 13 16-0140	EA		52" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	541.47	85.51
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	64.03	
			<i>For Dynamic Damper, Add</i>	153.67	
			<i>For 3 Hour Rated, Add</i>	85.37	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	71.15	
23 33 13 16-0141	EA		56" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	185.32	34.25
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	18.58	
			<i>For Dynamic Damper, Add</i>	44.59	
			<i>For 3 Hour Rated, Add</i>	24.77	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	20.64	
23 33 13 16-0142	EA		56" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	205.51	38.02
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	20.55	
			<i>For Dynamic Damper, Add</i>	49.32	
			<i>For 3 Hour Rated, Add</i>	27.40	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	22.84	
23 33 13 16-0143	EA		56" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	222.21	41.79
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	21.74	
			<i>For Dynamic Damper, Add</i>	52.17	
			<i>For 3 Hour Rated, Add</i>	28.99	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	24.16	
23 33 13 16-0144	EA		56" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	235.38	45.67
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	22.13	
			<i>For Dynamic Damper, Add</i>	53.12	
			<i>For 3 Hour Rated, Add</i>	29.51	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	24.59	
23 33 13 16-0145	EA		56" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	256.47	49.43
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	24.31	
			<i>For Dynamic Damper, Add</i>	58.34	
			<i>For 3 Hour Rated, Add</i>	32.41	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	27.01	

23	Heating, Ventilating, and Air-Conditioning (HVAC)
23 30	HVAC Air Distribution
23 33	Air Duct Accessories

MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST
23 33 13 16-0146 EA 56" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	277.54	53.21
For Spring Activated Horizontal Mount Operation, Add	26.48	
For Dynamic Damper, Add	63.56	
For 3 Hour Rated, Add	35.31	
For Cap Of Damper Blades Outside Air Stream, Add	29.43	
23 33 13 16-0147 EA 56" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	298.62	57.09
For Spring Activated Horizontal Mount Operation, Add	28.66	
For Dynamic Damper, Add	68.77	
For 3 Hour Rated, Add	38.21	
For Cap Of Damper Blades Outside Air Stream, Add	31.84	
23 33 13 16-0148 EA 56" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	319.70	60.85
For Spring Activated Horizontal Mount Operation, Add	30.83	
For Dynamic Damper, Add	73.99	
For 3 Hour Rated, Add	41.11	
For Cap Of Damper Blades Outside Air Stream, Add	34.26	
23 33 13 16-0149 EA 56" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	352.19	64.62
For Spring Activated Horizontal Mount Operation, Add	35.57	
For Dynamic Damper, Add	85.37	
For 3 Hour Rated, Add	47.43	
For Cap Of Damper Blades Outside Air Stream, Add	39.52	
23 33 13 16-0150 EA 56" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	378.99	66.56
For Spring Activated Horizontal Mount Operation, Add	40.32	
For Dynamic Damper, Add	96.76	
For 3 Hour Rated, Add	53.75	
For Cap Of Damper Blades Outside Air Stream, Add	44.80	
23 33 13 16-0151 EA 56" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	404.02	68.39
For Spring Activated Horizontal Mount Operation, Add	44.66	
For Dynamic Damper, Add	107.19	
For 3 Hour Rated, Add	59.55	
For Cap Of Damper Blades Outside Air Stream, Add	49.63	
23 33 13 16-0152 EA 56" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	440.03	72.27
For Spring Activated Horizontal Mount Operation, Add	50.20	
For Dynamic Damper, Add	120.47	
For 3 Hour Rated, Add	66.93	
For Cap Of Damper Blades Outside Air Stream, Add	55.78	
23 33 13 16-0153 EA 56" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	472.51	76.04
For Spring Activated Horizontal Mount Operation, Add	54.94	
For Dynamic Damper, Add	131.85	
For 3 Hour Rated, Add	73.25	
For Cap Of Damper Blades Outside Air Stream, Add	61.04	
23 33 13 16-0154 EA 56" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	506.77	79.80
For Spring Activated Horizontal Mount Operation, Add	60.08	
For Dynamic Damper, Add	144.19	
For 3 Hour Rated, Add	80.10	
For Cap Of Damper Blades Outside Air Stream, Add	66.75	
23 33 13 16-0155 EA 56" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	535.76	83.69
For Spring Activated Horizontal Mount Operation, Add	64.03	
For Dynamic Damper, Add	153.67	
For 3 Hour Rated, Add	85.37	
For Cap Of Damper Blades Outside Air Stream, Add	71.15	
23 33 13 16-0156 EA 56" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	570.01	87.46
For Spring Activated Horizontal Mount Operation, Add	69.17	
For Dynamic Damper, Add	166.00	
For 3 Hour Rated, Add	92.22	
For Cap Of Damper Blades Outside Air Stream, Add	76.85	
23 33 13 16-0157 EA 56" x 56" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	604.26	91.22
For Spring Activated Horizontal Mount Operation, Add	74.31	
For Dynamic Damper, Add	178.34	
For 3 Hour Rated, Add	99.08	
For Cap Of Damper Blades Outside Air Stream, Add	82.56	
23 33 13 16-0158 EA 60" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	202.01	38.02
For Spring Activated Horizontal Mount Operation, Add	19.76	
For Dynamic Damper, Add	47.43	
For 3 Hour Rated, Add	26.35	
For Cap Of Damper Blades Outside Air Stream, Add	21.96	
23 33 13 16-0159 EA 60" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	222.21	41.79
For Spring Activated Horizontal Mount Operation, Add	21.74	
For Dynamic Damper, Add	52.17	
For 3 Hour Rated, Add	28.99	
For Cap Of Damper Blades Outside Air Stream, Add	24.16	
23 33 13 16-0160 EA 60" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	237.14	45.67
For Spring Activated Horizontal Mount Operation, Add	22.53	
For Dynamic Damper, Add	54.07	
For 3 Hour Rated, Add	30.04	
For Cap Of Damper Blades Outside Air Stream, Add	25.03	
23 33 13 16-0161 EA 60" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	250.32	49.43
For Spring Activated Horizontal Mount Operation, Add	22.93	
For Dynamic Damper, Add	55.02	
For 3 Hour Rated, Add	30.57	
For Cap Of Damper Blades Outside Air Stream, Add	25.47	
23 33 13 16-0162 EA 60" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	272.27	53.21
For Spring Activated Horizontal Mount Operation, Add	25.30	
For Dynamic Damper, Add	60.71	
For 3 Hour Rated, Add	33.73	
For Cap Of Damper Blades Outside Air Stream, Add	28.11	
23 33 13 16-0163 EA 60" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	294.23	57.09
For Spring Activated Horizontal Mount Operation, Add	27.67	
For Dynamic Damper, Add	66.40	
For 3 Hour Rated, Add	36.89	
For Cap Of Damper Blades Outside Air Stream, Add	30.74	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0164	EA		60" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	317.06	60.85
			For Spring Activated Horizontal Mount Operation, Add	30.24	
			For Dynamic Damper, Add	72.57	
			For 3 Hour Rated, Add	40.31	
			For Cap Of Damper Blades Outside Air Stream, Add	33.60	
23 33 13 16-0165	EA		60" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	339.90	64.62
			For Spring Activated Horizontal Mount Operation, Add	32.81	
			For Dynamic Damper, Add	78.73	
			For 3 Hour Rated, Add	43.74	
			For Cap Of Damper Blades Outside Air Stream, Add	36.45	
23 33 13 16-0166	EA		60" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	368.45	66.56
			For Spring Activated Horizontal Mount Operation, Add	37.94	
			For Dynamic Damper, Add	91.07	
			For 3 Hour Rated, Add	50.59	
			For Cap Of Damper Blades Outside Air Stream, Add	42.16	
23 33 13 16-0167	EA		60" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	395.23	68.39
			For Spring Activated Horizontal Mount Operation, Add	42.68	
			For Dynamic Damper, Add	102.44	
			For 3 Hour Rated, Add	56.91	
			For Cap Of Damper Blades Outside Air Stream, Add	47.43	
23 33 13 16-0168	EA		60" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	429.49	72.27
			For Spring Activated Horizontal Mount Operation, Add	47.83	
			For Dynamic Damper, Add	114.78	
			For 3 Hour Rated, Add	63.77	
			For Cap Of Damper Blades Outside Air Stream, Add	53.14	
23 33 13 16-0169	EA		60" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	463.74	76.04
			For Spring Activated Horizontal Mount Operation, Add	52.97	
			For Dynamic Damper, Add	127.12	
			For 3 Hour Rated, Add	70.62	
			For Cap Of Damper Blades Outside Air Stream, Add	58.85	
23 33 13 16-0170	EA		60" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	492.72	79.80
			For Spring Activated Horizontal Mount Operation, Add	56.92	
			For Dynamic Damper, Add	136.60	
			For 3 Hour Rated, Add	75.89	
			For Cap Of Damper Blades Outside Air Stream, Add	63.24	
23 33 13 16-0171	EA		60" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	532.24	83.69
			For Spring Activated Horizontal Mount Operation, Add	63.24	
			For Dynamic Damper, Add	151.77	
			For 3 Hour Rated, Add	84.32	
			For Cap Of Damper Blades Outside Air Stream, Add	70.27	
23 33 13 16-0172	EA		60" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	568.25	87.46
			For Spring Activated Horizontal Mount Operation, Add	68.77	
			For Dynamic Damper, Add	165.05	
			For 3 Hour Rated, Add	91.70	
			For Cap Of Damper Blades Outside Air Stream, Add	76.41	
23 33 13 16-0173	EA		60" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	604.26	91.22
			For Spring Activated Horizontal Mount Operation, Add	74.31	
			For Dynamic Damper, Add	178.34	
			For 3 Hour Rated, Add	99.08	
			For Cap Of Damper Blades Outside Air Stream, Add	82.56	
23 33 13 16-0174	EA		60" x 56" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	636.74	95.11
			For Spring Activated Horizontal Mount Operation, Add	79.04	
			For Dynamic Damper, Add	189.71	
			For 3 Hour Rated, Add	105.39	
			For Cap Of Damper Blades Outside Air Stream, Add	87.83	
23 33 13 16-0175	EA		60" x 60" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	669.27	98.88
			For Spring Activated Horizontal Mount Operation, Add	83.79	
			For Dynamic Damper, Add	201.11	
			For 3 Hour Rated, Add	111.73	
			For Cap Of Damper Blades Outside Air Stream, Add	93.11	
<b>23 33 13 16-0176</b>			<b>Parallel Blade Louver Fire Damper</b> <small>(23 33 13 16)</small>		
			Note: UL listed. 22 gauge galvanized steel construction with fusible link 160 F spring actuated 1-1/2 hour fire rating.		
23 33 13 16-0177	EA		6" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	88.92	12.68
			For Spring Activated Horizontal Mount Operation, Add	11.45	
			For Dynamic Damper, Add	27.49	
			For 3 Hour Rated, Add	15.27	
23 33 13 16-0178	EA		8" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	92.81	13.24
			For Spring Activated Horizontal Mount Operation, Add	11.94	
			For Dynamic Damper, Add	28.66	
			For 3 Hour Rated, Add	15.92	
23 33 13 16-0179	EA		8" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	95.24	13.36
			For Spring Activated Horizontal Mount Operation, Add	12.44	
			For Dynamic Damper, Add	29.85	
			For 3 Hour Rated, Add	16.58	
23 33 13 16-0180	EA		10" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	95.24	13.36
			For Spring Activated Horizontal Mount Operation, Add	12.44	
			For Dynamic Damper, Add	29.85	
			For 3 Hour Rated, Add	16.58	
23 33 13 16-0181	EA		10" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	98.59	13.71
			For Spring Activated Horizontal Mount Operation, Add	12.93	
			For Dynamic Damper, Add	31.04	
			For 3 Hour Rated, Add	17.24	
23 33 13 16-0182	EA		10" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	107.53	15.19
			For Spring Activated Horizontal Mount Operation, Add	13.92	
			For Dynamic Damper, Add	33.40	
			For 3 Hour Rated, Add	18.56	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 33 Air Duct Accessories**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0183	EA		12" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	98.59 12.93 31.04 17.24	13.71
23 33 13 16-0184	EA		12" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	105.24 13.92 33.40 18.56	14.50
23 33 13 16-0185	EA		12" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	109.73 14.41 34.59 19.22	15.19
23 33 13 16-0186	EA		12" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	117.64 14.91 35.78 19.88	17.13
23 33 13 16-0187	EA		14" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	104.15 13.67 32.82 18.23	14.50
23 33 13 16-0188	EA		14" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	109.73 14.41 34.59 19.22	15.19
23 33 13 16-0189	EA		14" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	114.21 14.91 35.78 19.88	15.98
23 33 13 16-0190	EA		14" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	119.83 15.40 36.96 20.54	17.13
23 33 13 16-0191	EA		14" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	131.04 16.64 39.93 22.19	19.06
23 33 13 16-0192	EA		16" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	135.15 20.13 48.32 26.84	15.19
23 33 13 16-0193	EA		16" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	141.03 20.69 49.65 27.58	16.32
23 33 13 16-0194	EA		16" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	148.07 21.24 50.98 28.32	17.92
23 33 13 16-0195	EA		16" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	153.94 21.79 52.30 29.06	19.06
23 33 13 16-0196	EA		16" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	165.82 23.18 55.63 30.91	20.89
23 33 13 16-0197	EA		16" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	177.68 24.56 58.95 32.75	22.84
23 33 13 16-0198	EA		18" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	139.89 20.69 49.65 27.58	15.98
23 33 13 16-0199	EA		18" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	147.01 21.52 51.64 28.69	17.13
23 33 13 16-0200	EA		18" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	156.43 22.35 53.64 29.80	19.06
23 33 13 16-0201	EA		18" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	168.28 23.73 56.96 31.64	20.89
23 33 13 16-0202	EA		18" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	178.90 24.84 59.61 33.12	22.84
23 33 13 16-0203	EA		18" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	190.75 26.22 62.93 34.96	24.66
23 33 13 16-0204	EA		18" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	200.15 27.05 64.92 36.07	26.60



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0205	EA		20" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	145.79 21.24 50.98 28.32	17.13
23 33 13 16-0206	EA		20" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	156.40 22.34 53.63 29.79	19.06
23 33 13 16-0207	EA		20" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	167.04 23.45 56.29 31.27	20.89
23 33 13 16-0208	EA		20" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	182.61 25.67 61.61 34.23	22.84
23 33 13 16-0209	EA		20" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	191.99 26.50 63.60 35.33	24.66
23 33 13 16-0210	EA		20" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	201.38 27.33 65.59 36.44	26.60
23 33 13 16-0211	EA		20" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	212.01 28.44 68.25 37.91	28.55
23 33 13 16-0212	EA		20" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	222.61 29.54 70.89 39.38	30.37
23 33 13 16-0213	EA		24" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	179.02 27.43 65.84 36.58	19.06
23 33 13 16-0214	EA		24" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	192.12 29.10 69.83 38.80	20.89
23 33 13 16-0215	EA		24" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	202.76 30.21 72.50 40.28	22.84
23 33 13 16-0216	EA		24" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	215.82 31.86 76.47 42.48	24.66
23 33 13 16-0217	EA		24" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	225.22 32.69 78.46 43.59	26.60
23 33 13 16-0218	EA		24" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	234.62 33.52 80.45 44.70	28.55
23 33 13 16-0219	EA		24" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	247.69 35.18 84.43 46.91	30.37
23 33 13 16-0220	EA		24" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	266.48 36.84 88.41 49.12	34.25
23 33 13 16-0221	EA		24" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	287.75 39.06 93.73 52.07	38.02
23 33 13 16-0222	EA		28" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	192.12 29.10 69.83 38.80	20.89
23 33 13 16-0223	EA		28" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	202.76 30.21 72.50 40.28	22.84
23 33 13 16-0224	EA		28" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	215.82 31.86 76.47 42.48	24.66
23 33 13 16-0225	EA		28" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	226.45 32.97 79.13 43.96	26.60
23 33 13 16-0226	EA		28" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	238.31 34.35 82.45 45.80	28.55

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 33 Air Duct Accessories**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 33 13 16-0227	EA 28" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	250.13 35.73 85.75 47.64	30.37
23 33 13 16-0228	EA 28" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	268.94 37.39 89.74 49.86	34.25
23 33 13 16-0229	EA 28" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	287.75 39.06 93.73 52.07	38.02
23 33 13 16-0230	EA 28" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	308.21 42.37 101.70 56.50	39.96
23 33 13 16-0231	EA 28" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	331.94 45.14 108.35 60.19	43.72
23 33 13 16-0232	EA 32" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	210.12 31.86 76.47 42.48	22.84
23 33 13 16-0233	EA 32" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	218.27 32.41 77.79 43.22	24.66
23 33 13 16-0234	EA 32" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	226.45 32.97 79.13 43.96	26.60
23 33 13 16-0235	EA 32" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	237.06 34.07 81.77 45.43	28.55
23 33 13 16-0236	EA 32" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	250.61 35.84 86.01 47.78	30.37
23 33 13 16-0237	EA 32" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	268.94 37.39 89.74 49.86	34.25
23 33 13 16-0238	EA 32" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	290.22 39.61 95.07 52.82	38.02
23 33 13 16-0239	EA 32" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	311.48 41.83 100.38 55.77	41.79
23 33 13 16-0240	EA 32" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	331.94 45.14 108.35 60.19	43.72
23 33 13 16-0241	EA 32" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	358.29 49.02 117.64 65.36	46.81
23 33 13 16-0242	EA 32" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	385.95 53.44 128.26 71.26	49.43
23 33 13 16-0243	EA 36" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	235.85 36.37 87.29 48.49	24.66
23 33 13 16-0244	EA 36" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	247.16 37.63 90.31 50.17	26.60
23 33 13 16-0245	EA 36" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	258.49 38.89 93.34 51.86	28.55
23 33 13 16-0246	EA 36" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	272.64 40.79 97.91 54.39	30.37
23 33 13 16-0247	EA 36" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	288.29 41.75 100.19 55.66	34.25
23 33 13 16-0248	EA 36" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	298.21 42.69 102.47 56.93	36.08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0249	EA		36" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	329.40 45.86 110.06 61.14	41.79
23 33 13 16-0250	EA		36" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	354.85 49.01 117.63 65.35	45.67
23 33 13 16-0251	EA		36" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	376.28 52.81 126.74 70.41	47.16
23 33 13 16-0252	EA		36" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	409.04 57.87 138.88 77.16	50.58
23 33 13 16-0253	EA		36" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	436.69 62.29 149.50 83.06	53.21
23 33 13 16-0254	EA		36" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	464.89 67.35 161.64 89.80	55.14
23 33 13 16-0255	EA		40" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	264.50 41.53 99.67 55.37	28.55
23 33 13 16-0256	EA		40" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	281.46 44.06 105.75 58.75	30.37
23 33 13 16-0257	EA		40" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	289.96 44.69 107.26 59.59	32.31
23 33 13 16-0258	EA		40" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	298.49 45.33 108.78 60.44	34.25
23 33 13 16-0259	EA		40" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	319.76 47.54 114.10 63.39	36.08
23 33 13 16-0260	EA		40" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	335.30 49.75 119.41 66.34	38.02
23 33 13 16-0261	EA		40" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	363.68 52.29 125.49 69.71	43.72
23 33 13 16-0262	EA		40" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	386.34 54.81 131.55 73.09	47.50
23 33 13 16-0263	EA		40" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	412.34 58.61 140.66 78.15	50.58
23 33 13 16-0264	EA		40" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	451.24 65.57 157.36 87.42	53.21
23 33 13 16-0265	EA		40" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	477.22 69.36 166.46 92.48	56.29
23 33 13 16-0266	EA		40" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	512.72 76.32 183.16 101.75	57.77
23 33 13 16-0267	EA		40" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	549.97 82.64 198.34 110.19	60.85
23 33 13 16-0268	EA		44" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	275.84 42.80 102.71 57.06	28.55
23 33 13 16-0269	EA		44" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	292.78 45.33 108.78 60.44	30.37
23 33 13 16-0270	EA		44" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	306.94 47.23 113.35 62.97	32.31

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0271	EA		44" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	315.46	34.25
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	47.86	
			<i>For Dynamic Damper, Add</i>	114.86	
			<i>For 3 Hour Rated, Add</i>	63.81	
23 33 13 16-0272	EA		44" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	332.42	36.08
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	50.39	
			<i>For Dynamic Damper, Add</i>	120.94	
			<i>For 3 Hour Rated, Add</i>	67.19	
23 33 13 16-0273	EA		44" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	349.37	38.02
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	52.92	
			<i>For Dynamic Damper, Add</i>	127.01	
			<i>For 3 Hour Rated, Add</i>	70.56	
23 33 13 16-0274	EA		44" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	386.26	45.67
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	56.08	
			<i>For Dynamic Damper, Add</i>	134.60	
			<i>For 3 Hour Rated, Add</i>	74.78	
23 33 13 16-0275	EA		44" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	411.72	49.43
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	59.24	
			<i>For Dynamic Damper, Add</i>	142.18	
			<i>For 3 Hour Rated, Add</i>	78.99	
23 33 13 16-0276	EA		44" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	451.24	53.21
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	65.57	
			<i>For Dynamic Damper, Add</i>	157.36	
			<i>For 3 Hour Rated, Add</i>	87.42	
23 33 13 16-0277	EA		44" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	487.96	57.09
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	71.26	
			<i>For Dynamic Damper, Add</i>	171.02	
			<i>For 3 Hour Rated, Add</i>	95.01	
23 33 13 16-0278	EA		44" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	527.46	60.85
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	77.58	
			<i>For Dynamic Damper, Add</i>	186.18	
			<i>For 3 Hour Rated, Add</i>	103.43	
23 33 13 16-0279	EA		44" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	558.47	62.68
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	83.27	
			<i>For Dynamic Damper, Add</i>	199.84	
			<i>For 3 Hour Rated, Add</i>	111.02	
23 33 13 16-0280	EA		44" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	589.49	64.62
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	88.96	
			<i>For Dynamic Damper, Add</i>	213.51	
			<i>For 3 Hour Rated, Add</i>	118.62	
23 33 13 16-0281	EA		44" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	620.50	66.56
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	94.66	
			<i>For Dynamic Damper, Add</i>	227.17	
			<i>For 3 Hour Rated, Add</i>	126.21	
23 33 13 16-0282	EA		48" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	289.96	30.37
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	44.69	
			<i>For Dynamic Damper, Add</i>	107.26	
			<i>For 3 Hour Rated, Add</i>	59.59	
23 33 13 16-0283	EA		48" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	306.94	32.31
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	47.23	
			<i>For Dynamic Damper, Add</i>	113.35	
			<i>For 3 Hour Rated, Add</i>	62.97	
23 33 13 16-0284	EA		48" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	315.46	34.25
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	47.86	
			<i>For Dynamic Damper, Add</i>	114.86	
			<i>For 3 Hour Rated, Add</i>	63.81	
23 33 13 16-0285	EA		48" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	335.30	38.02
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	49.75	
			<i>For Dynamic Damper, Add</i>	119.41	
			<i>For 3 Hour Rated, Add</i>	66.34	
23 33 13 16-0286	EA		48" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	357.97	41.79
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	52.29	
			<i>For Dynamic Damper, Add</i>	125.49	
			<i>For 3 Hour Rated, Add</i>	69.71	
23 33 13 16-0287	EA		48" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	380.63	45.67
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	54.81	
			<i>For Dynamic Damper, Add</i>	131.55	
			<i>For 3 Hour Rated, Add</i>	73.09	
23 33 13 16-0288	EA		48" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	408.92	49.43
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	58.61	
			<i>For Dynamic Damper, Add</i>	140.66	
			<i>For 3 Hour Rated, Add</i>	78.15	
23 33 13 16-0289	EA		48" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	437.18	53.21
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	62.40	
			<i>For Dynamic Damper, Add</i>	149.76	
			<i>For 3 Hour Rated, Add</i>	83.20	
23 33 13 16-0290	EA		48" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	473.91	57.09
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	68.10	
			<i>For Dynamic Damper, Add</i>	163.43	
			<i>For 3 Hour Rated, Add</i>	90.80	
23 33 13 16-0291	EA		48" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	516.22	60.85
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	75.05	
			<i>For Dynamic Damper, Add</i>	180.11	
			<i>For 3 Hour Rated, Add</i>	100.06	
23 33 13 16-0292	EA		48" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	547.25	62.68
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	80.74	
			<i>For Dynamic Damper, Add</i>	193.78	
			<i>For 3 Hour Rated, Add</i>	107.66	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0293	EA		48" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	586.67 88.33 211.99 117.77	64.62
23 33 13 16-0294	EA		48" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	623.41 94.03 225.66 125.37	68.39
23 33 13 16-0295	EA		48" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	662.82 101.61 243.86 135.48	70.33
23 33 13 16-0296	EA		48" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	702.43 106.67 256.01 142.23	76.04
23 33 13 16-0297	EA		52" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	304.12 46.59 111.82 62.12	32.31
23 33 13 16-0298	EA		52" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	321.08 49.12 117.90 65.50	34.25
23 33 13 16-0299	EA		52" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	343.74 51.65 123.97 68.87	38.02
23 33 13 16-0300	EA		52" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	357.97 52.29 125.49 69.71	41.79
23 33 13 16-0301	EA		52" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	382.05 55.13 132.32 73.51	45.67
23 33 13 16-0302	EA		52" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	406.10 57.98 139.14 77.30	49.43
23 33 13 16-0303	EA		52" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	434.38 61.77 148.25 82.36	53.21
23 33 13 16-0304	EA		52" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	462.66 65.57 157.36 87.42	57.09
23 33 13 16-0305	EA		52" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	499.38 71.26 171.02 95.01	60.85
23 33 13 16-0306	EA		52" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	544.51 78.84 189.22 105.12	64.62
23 33 13 16-0307	EA		52" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	578.33 85.17 204.40 113.56	66.56
23 33 13 16-0308	EA		52" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	620.59 93.39 224.14 124.52	68.39
23 33 13 16-0309	EA		52" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	665.70 100.97 242.34 134.63	72.27
23 33 13 16-0310	EA		52" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	702.43 106.67 256.01 142.23	76.04
23 33 13 16-0311	EA		52" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	753.28 114.26 274.22 152.34	81.75
23 33 13 16-0312	EA		52" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	792.81 120.58 289.40 160.78	85.51
23 33 13 16-0313	EA		56" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	315.46 47.86 114.86 63.81	34.25
23 33 13 16-0314	EA		56" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	340.92 51.02 122.45 68.03	38.02

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 33 Air Duct Accessories**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0315	EA		56" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	360.79 52.92 127.01 70.56	41.79
23 33 13 16-0316	EA		56" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	375.00 53.55 128.51 71.40	45.67
23 33 13 16-0317	EA		56" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	401.90 57.03 136.87 76.04	49.43
23 33 13 16-0318	EA		56" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	428.76 60.51 145.22 80.68	53.21
23 33 13 16-0319	EA		56" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	455.64 63.99 153.57 85.31	57.09
23 33 13 16-0320	EA		56" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	482.50 67.46 161.90 89.95	60.85
23 33 13 16-0321	EA		56" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	527.64 75.05 180.11 100.06	64.62
23 33 13 16-0322	EA		56" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	567.10 82.64 198.34 110.19	66.56
23 33 13 16-0323	EA		56" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	603.71 89.59 215.02 119.46	68.39
23 33 13 16-0324	EA		56" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	654.48 98.45 236.28 131.27	72.27
23 33 13 16-0325	EA		56" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	699.61 106.04 254.49 141.38	76.04
23 33 13 16-0326	EA		56" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	747.57 114.26 274.22 152.34	79.80
23 33 13 16-0327	EA		56" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	787.10 120.58 289.40 160.78	83.69
23 33 13 16-0328	EA		56" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	835.06 128.80 309.13 171.74	87.46
23 33 13 16-0329	EA		56" x 56" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	883.01 137.03 328.86 182.70	91.22
23 33 13 16-0330	EA		60" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	335.30 49.75 119.41 66.34	38.02
23 33 13 16-0331	EA		60" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	360.79 52.92 127.01 70.56	41.79
23 33 13 16-0332	EA		60" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	377.81 54.18 130.03 72.24	45.67
23 33 13 16-0333	EA		60" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	392.05 54.81 131.55 73.09	49.43
23 33 13 16-0334	EA		60" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	420.33 58.61 140.66 78.15	53.21
23 33 13 16-0335	EA		60" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	448.60 62.40 149.76 83.20	57.09
23 33 13 16-0336	EA		60" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	478.29 66.51 159.63 88.68	60.85

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0337	EA		60" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	507.98 70.62 169.50 94.16	64.62
23 33 13 16-0338	EA		60" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	550.22 78.84 189.22 105.12	66.56
23 33 13 16-0339	EA		60" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	589.66 86.43 207.44 115.24	68.39
23 33 13 16-0340	EA		60" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	637.62 94.66 227.17 126.21	72.27
23 33 13 16-0341	EA		60" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	685.57 102.88 246.90 137.17	76.04
23 33 13 16-0342	EA		60" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	725.09 109.20 262.08 145.60	79.80
23 33 13 16-0343	EA		60" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	781.47 119.32 286.36 159.09	83.69
23 33 13 16-0344	EA		60" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	832.24 128.17 307.61 170.89	87.46
23 33 13 16-0345	EA		60" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	883.01 137.03 328.86 182.70	91.22
23 33 13 16-0346	EA		60" x 56" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	928.13 144.61 347.06 192.81	95.11
23 33 13 16-0347	EA		60" x 60" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	973.31 152.20 365.29 202.94	98.88
<b>23 33 13 16-0348</b>			<b>Round 2 Hour Fire Damper</b> <small>(23 33 13 16)</small>		
23 33 13 16-0349	EA		4" Round 2 Hour Fire Damper	75.45	22.84
23 33 13 16-0350	EA		5" Round 2 Hour Fire Damper	77.58	22.84
23 33 13 16-0351	EA		6" Round 2 Hour Fire Damper	90.21	25.92
23 33 13 16-0352	EA		7" Round 2 Hour Fire Damper	92.52	25.92
23 33 13 16-0353	EA		8" Round 2 Hour Fire Damper	108.15	28.55
23 33 13 16-0354	EA		9" Round 2 Hour Fire Damper	114.53	28.55
23 33 13 16-0355	EA		10" Round 2 Hour Fire Damper	127.27	31.74
23 33 13 16-0356	EA		12" Round 2 Hour Fire Damper	143.02	35.74
23 33 13 16-0357	EA		14" Round 2 Hour Fire Damper	162.81	40.76
<b>23 33 13 16-0358</b>			<b>Round 4 Hour Fire Damper</b> <small>(23 33 13 16)</small>		
23 33 13 16-0359	EA		4" Round 4 Hour Fire Damper	85.25	25.92
23 33 13 16-0360	EA		5" Round 4 Hour Fire Damper	91.06	25.92
23 33 13 16-0361	EA		6" Round 4 Hour Fire Damper	102.14	28.55
23 33 13 16-0362	EA		7" Round 4 Hour Fire Damper	109.64	28.55
23 33 13 16-0363	EA		8" Round 4 Hour Fire Damper	123.49	31.74
23 33 13 16-0364	EA		9" Round 4 Hour Fire Damper	128.06	31.74
23 33 13 16-0365	EA		10" Round 4 Hour Fire Damper	143.16	35.74
23 33 13 16-0366	EA		12" Round 4 Hour Fire Damper	159.90	40.76
23 33 13 16-0367	EA		14" Round 4 Hour Fire Damper	186.54	47.61
<b>23 33 13 19</b>			<b>Smoke-Control Dampers</b> <small>(23 33 13)</small>		
<b>23 33 13 19-0001</b>			<b>Combination Smoke/Fire Damper</b> <small>(23 33 13 19)</small> Note: Leakage class I with Firestat UL 555S air foil blades.		
23 33 13 19-0002	EA		6" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	511.62 245.48 136.38	19.01
23 33 13 19-0003	EA		8" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	525.27 251.47 139.70	19.87
23 33 13 19-0004	EA		8" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	536.86 257.54 143.08	20.04
23 33 13 19-0005	EA		10" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	605.94 294.84 163.80	20.04
23 33 13 19-0006	EA		10" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	620.44 301.74 167.63	20.55

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 33 13 19-0007	EA	10" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	652.95	22.78
		<i>For Dynamic Damper, Add</i>	315.60	
		<i>For 3 Hour Rated, Add</i>	175.33	
23 33 13 19-0008	EA	12" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	620.44	20.55
		<i>For Dynamic Damper, Add</i>	301.74	
		<i>For 3 Hour Rated, Add</i>	167.63	
23 33 13 19-0009	EA	12" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	649.52	21.75
		<i>For Dynamic Damper, Add</i>	315.60	
		<i>For 3 Hour Rated, Add</i>	175.33	
23 33 13 19-0010	EA	12" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	665.73	22.78
		<i>For Dynamic Damper, Add</i>	322.50	
		<i>For 3 Hour Rated, Add</i>	179.17	
23 33 13 19-0011	EA	12" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	687.15	25.69
		<i>For Dynamic Damper, Add</i>	329.45	
		<i>For 3 Hour Rated, Add</i>	183.03	
23 33 13 19-0012	EA	14" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	643.12	21.75
		<i>For Dynamic Damper, Add</i>	312.14	
		<i>For 3 Hour Rated, Add</i>	173.41	
23 33 13 19-0013	EA	14" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	665.73	22.78
		<i>For Dynamic Damper, Add</i>	322.50	
		<i>For 3 Hour Rated, Add</i>	179.17	
23 33 13 19-0014	EA	14" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	682.02	23.98
		<i>For Dynamic Damper, Add</i>	329.45	
		<i>For 3 Hour Rated, Add</i>	183.03	
23 33 13 19-0015	EA	14" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	700.02	25.69
		<i>For Dynamic Damper, Add</i>	336.40	
		<i>For 3 Hour Rated, Add</i>	186.89	
23 33 13 19-0016	EA	14" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	740.64	28.60
		<i>For Dynamic Damper, Add</i>	353.71	
		<i>For 3 Hour Rated, Add</i>	196.50	
23 33 13 19-0017	EA	16" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	649.12	22.78
		<i>For Dynamic Damper, Add</i>	313.53	
		<i>For 3 Hour Rated, Add</i>	174.18	
23 33 13 19-0018	EA	16" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	661.26	24.49
		<i>For Dynamic Damper, Add</i>	317.31	
		<i>For 3 Hour Rated, Add</i>	176.29	
23 33 13 19-0019	EA	16" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	675.12	26.89
		<i>For Dynamic Damper, Add</i>	321.10	
		<i>For 3 Hour Rated, Add</i>	178.39	
23 33 13 19-0020	EA	16" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	687.18	28.60
		<i>For Dynamic Damper, Add</i>	324.84	
		<i>For 3 Hour Rated, Add</i>	180.47	
23 33 13 19-0021	EA	16" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	713.24	31.34
		<i>For Dynamic Damper, Add</i>	334.29	
		<i>For 3 Hour Rated, Add</i>	185.72	
23 33 13 19-0022	EA	16" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	739.26	34.25
		<i>For Dynamic Damper, Add</i>	343.72	
		<i>For 3 Hour Rated, Add</i>	190.95	
23 33 13 19-0023	EA	18" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	659.55	23.98
		<i>For Dynamic Damper, Add</i>	317.31	
		<i>For 3 Hour Rated, Add</i>	176.29	
23 33 13 19-0024	EA	18" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	675.13	25.69
		<i>For Dynamic Damper, Add</i>	322.96	
		<i>For 3 Hour Rated, Add</i>	179.42	
23 33 13 19-0025	EA	18" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	694.24	28.60
		<i>For Dynamic Damper, Add</i>	328.65	
		<i>For 3 Hour Rated, Add</i>	182.58	
23 33 13 19-0026	EA	18" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	720.25	31.34
		<i>For Dynamic Damper, Add</i>	338.07	
		<i>For 3 Hour Rated, Add</i>	187.82	
23 33 13 19-0027	EA	18" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	742.74	34.25
		<i>For Dynamic Damper, Add</i>	345.59	
		<i>For 3 Hour Rated, Add</i>	192.00	
23 33 13 19-0028	EA	18" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	768.76	37.00
		<i>For Dynamic Damper, Add</i>	355.02	
		<i>For 3 Hour Rated, Add</i>	197.23	
23 33 13 19-0029	EA	18" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	787.81	39.91
		<i>For Dynamic Damper, Add</i>	360.68	
		<i>For 3 Hour Rated, Add</i>	200.38	
23 33 13 19-0030	EA	20" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	671.69	25.69
		<i>For Dynamic Damper, Add</i>	321.10	
		<i>For 3 Hour Rated, Add</i>	178.39	
23 33 13 19-0031	EA	20" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	694.19	28.60
		<i>For Dynamic Damper, Add</i>	328.62	
		<i>For 3 Hour Rated, Add</i>	182.57	
23 33 13 19-0032	EA	20" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	716.72	31.34
		<i>For Dynamic Damper, Add</i>	336.17	
		<i>For 3 Hour Rated, Add</i>	186.76	
23 33 13 19-0033	EA	20" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	753.28	34.25
		<i>For Dynamic Damper, Add</i>	351.29	
		<i>For 3 Hour Rated, Add</i>	195.16	
23 33 13 19-0034	EA	20" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	772.29	37.00
		<i>For Dynamic Damper, Add</i>	356.92	
		<i>For 3 Hour Rated, Add</i>	198.29	
23 33 13 19-0035	EA	20" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	791.30	39.91
		<i>For Dynamic Damper, Add</i>	362.57	
		<i>For 3 Hour Rated, Add</i>	201.43	
23 33 13 19-0036	EA	20" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	813.83	42.82
		<i>For Dynamic Damper, Add</i>	370.11	
		<i>For 3 Hour Rated, Add</i>	205.62	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0037	EA		20" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	836.33 377.63 209.80	45.56
23 33 13 19-0038	EA		24" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	687.74 325.14 180.63	28.60
23 33 13 19-0039	EA		24" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	710.43 332.77 184.87	31.34
23 33 13 19-0040	EA		24" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	728.44 337.87 187.71	34.25
23 33 13 19-0041	EA		24" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	751.08 345.47 191.93	37.00
23 33 13 19-0042	EA		24" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	766.70 349.28 194.05	39.91
23 33 13 19-0043	EA		24" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	782.30 353.08 196.16	42.82
23 33 13 19-0044	EA		24" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	804.97 360.70 200.39	45.56
23 33 13 19-0045	EA		24" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	836.19 368.31 204.62	51.38
23 33 13 19-0046	EA		24" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	872.14 378.48 210.26	57.03
23 33 13 19-0047	EA		28" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	710.43 332.77 184.87	31.34
23 33 13 19-0048	EA		28" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	728.44 337.87 187.71	34.25
23 33 13 19-0049	EA		28" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	751.08 345.47 191.93	37.00
23 33 13 19-0050	EA		28" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	769.05 350.55 194.75	39.91
23 33 13 19-0051	EA		28" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	789.36 356.90 198.28	42.82
23 33 13 19-0052	EA		28" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	809.65 363.23 201.79	45.56
23 33 13 19-0053	EA		28" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	840.87 370.84 206.02	51.38
23 33 13 19-0054	EA		28" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	872.14 378.48 210.26	57.03
23 33 13 19-0055	EA		28" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	908.90 393.70 218.72	59.94
23 33 13 19-0056	EA		28" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	949.54 406.40 225.78	65.60
23 33 13 19-0057	EA		32" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	742.51 345.47 191.93	34.25
23 33 13 19-0058	EA		32" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	755.76 348.00 193.33	37.00
23 33 13 19-0059	EA		32" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	769.05 350.55 194.75	39.91
23 33 13 19-0060	EA		32" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	786.98 355.61 197.56	42.82
23 33 13 19-0061	EA		32" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	810.53 363.70 202.06	45.56
23 33 13 19-0062	EA		32" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	840.87 370.84 206.02	51.38
23 33 13 19-0063	EA		32" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	876.86 381.02 211.68	57.03
23 33 13 19-0064	EA		32" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	912.81 391.19 217.33	62.68
23 33 13 19-0065	EA		32" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	949.54 406.40 225.78	65.60
23 33 13 19-0066	EA		32" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	996.19 424.19 235.66	70.22

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 33 13 19-0067	EA	32" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,045.75	74.15
		<i>For Dynamic Damper, Add</i>	444.48	
		<i>For 3 Hour Rated, Add</i>	246.94	
23 33 13 19-0068	EA	36" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	779.90	37.00
		<i>For Dynamic Damper, Add</i>	361.03	
		<i>For 3 Hour Rated, Add</i>	200.57	
23 33 13 19-0069	EA	36" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	798.65	39.91
		<i>For Dynamic Damper, Add</i>	366.54	
		<i>For 3 Hour Rated, Add</i>	203.63	
23 33 13 19-0070	EA	36" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	817.44	42.82
		<i>For Dynamic Damper, Add</i>	372.06	
		<i>For 3 Hour Rated, Add</i>	206.70	
23 33 13 19-0071	EA	36" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	841.36	45.56
		<i>For Dynamic Damper, Add</i>	380.35	
		<i>For 3 Hour Rated, Add</i>	211.31	
23 33 13 19-0072	EA	36" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	866.17	51.38
		<i>For Dynamic Damper, Add</i>	384.50	
		<i>For 3 Hour Rated, Add</i>	213.61	
23 33 13 19-0073	EA	36" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	882.40	54.12
		<i>For Dynamic Damper, Add</i>	388.64	
		<i>For 3 Hour Rated, Add</i>	215.91	
23 33 13 19-0074	EA	36" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	933.66	62.68
		<i>For Dynamic Damper, Add</i>	402.45	
		<i>For 3 Hour Rated, Add</i>	223.58	
23 33 13 19-0075	EA	36" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	976.30	68.51
		<i>For Dynamic Damper, Add</i>	416.22	
		<i>For 3 Hour Rated, Add</i>	231.23	
23 33 13 19-0076	EA	36" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,013.81	70.73
		<i>For Dynamic Damper, Add</i>	432.78	
		<i>For 3 Hour Rated, Add</i>	240.44	
23 33 13 19-0077	EA	36" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,070.12	75.87
		<i>For Dynamic Damper, Add</i>	454.87	
		<i>For 3 Hour Rated, Add</i>	252.71	
23 33 13 19-0078	EA	36" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,117.84	79.80
		<i>For Dynamic Damper, Add</i>	474.16	
		<i>For 3 Hour Rated, Add</i>	263.42	
23 33 13 19-0079	EA	36" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,167.29	82.71
		<i>For Dynamic Damper, Add</i>	496.24	
		<i>For 3 Hour Rated, Add</i>	275.69	
23 33 13 19-0080	EA	40" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,254.98	42.82
		<i>For Dynamic Damper, Add</i>	612.95	
		<i>For 3 Hour Rated, Add</i>	340.53	
23 33 13 19-0081	EA	40" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,290.94	45.56
		<i>For Dynamic Damper, Add</i>	627.75	
		<i>For 3 Hour Rated, Add</i>	348.75	
23 33 13 19-0082	EA	40" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,306.39	48.47
		<i>For Dynamic Damper, Add</i>	631.47	
		<i>For 3 Hour Rated, Add</i>	350.81	
23 33 13 19-0083	EA	40" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,321.83	51.38
		<i>For Dynamic Damper, Add</i>	635.18	
		<i>For 3 Hour Rated, Add</i>	352.88	
23 33 13 19-0084	EA	40" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,362.97	54.12
		<i>For Dynamic Damper, Add</i>	648.15	
		<i>For 3 Hour Rated, Add</i>	360.08	
23 33 13 19-0085	EA	40" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,395.58	57.03
		<i>For Dynamic Damper, Add</i>	661.13	
		<i>For 3 Hour Rated, Add</i>	367.30	
23 33 13 19-0086	EA	40" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,448.71	65.60
		<i>For Dynamic Damper, Add</i>	675.95	
		<i>For 3 Hour Rated, Add</i>	375.53	
23 33 13 19-0087	EA	40" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,493.25	71.24
		<i>For Dynamic Damper, Add</i>	690.75	
		<i>For 3 Hour Rated, Add</i>	383.75	
23 33 13 19-0088	EA	40" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,548.15	75.87
		<i>For Dynamic Damper, Add</i>	713.01	
		<i>For 3 Hour Rated, Add</i>	396.11	
23 33 13 19-0089	EA	40" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,635.55	79.80
		<i>For Dynamic Damper, Add</i>	753.73	
		<i>For 3 Hour Rated, Add</i>	418.74	
23 33 13 19-0090	EA	40" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,690.39	84.44
		<i>For Dynamic Damper, Add</i>	775.94	
		<i>For 3 Hour Rated, Add</i>	431.08	
23 33 13 19-0091	EA	40" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,772.73	86.66
		<i>For Dynamic Damper, Add</i>	816.70	
		<i>For 3 Hour Rated, Add</i>	453.72	
23 33 13 19-0092	EA	40" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,855.04	91.28
		<i>For Dynamic Damper, Add</i>	853.76	
		<i>For 3 Hour Rated, Add</i>	474.31	
23 33 13 19-0093	EA	44" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,277.26	42.82
		<i>For Dynamic Damper, Add</i>	620.36	
		<i>For 3 Hour Rated, Add</i>	344.65	
23 33 13 19-0094	EA	44" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,313.27	45.56
		<i>For Dynamic Damper, Add</i>	635.18	
		<i>For 3 Hour Rated, Add</i>	352.88	
23 33 13 19-0095	EA	44" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,342.44	48.47
		<i>For Dynamic Damper, Add</i>	646.31	
		<i>For 3 Hour Rated, Add</i>	359.06	
23 33 13 19-0096	EA	44" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,357.88	51.38
		<i>For Dynamic Damper, Add</i>	650.03	
		<i>For 3 Hour Rated, Add</i>	361.13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0097	EA		44" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,393.90 664.85 369.36	54.12
23 33 13 19-0098	EA		44" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,429.86 679.64 377.58	57.03
23 33 13 19-0099	EA		44" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,498.45 698.18 387.88	68.51
23 33 13 19-0100	EA		44" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,549.80 716.67 398.15	74.15
23 33 13 19-0101	EA		44" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,635.55 753.73 418.74	79.80
23 33 13 19-0102	EA		44" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,714.41 787.06 437.26	85.63
23 33 13 19-0103	EA		44" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,800.10 824.09 457.83	91.28
23 33 13 19-0104	EA		44" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,870.41 857.43 476.35	94.02
23 33 13 19-0105	EA		44" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,940.74 890.78 494.88	96.93
23 33 13 19-0106	EA		44" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,011.07 924.14 513.41	99.84
23 33 13 19-0107	EA		48" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,306.39 631.47 350.81	45.56
23 33 13 19-0108	EA		48" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,342.44 646.31 359.06	48.47
23 33 13 19-0109	EA		48" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,357.88 650.03 361.13	51.38
23 33 13 19-0110	EA		48" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,395.58 661.13 367.30	57.03
23 33 13 19-0111	EA		48" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,440.15 675.95 375.53	62.68
23 33 13 19-0112	EA		48" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,484.69 690.75 383.75	68.51
23 33 13 19-0113	EA		48" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,543.01 713.01 396.11	74.15
23 33 13 19-0114	EA		48" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,601.26 735.21 408.45	79.80
23 33 13 19-0115	EA		48" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,680.12 768.54 426.97	85.63
23 33 13 19-0116	EA		48" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,772.66 809.27 449.60	91.28
23 33 13 19-0117	EA		48" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,843.04 842.65 468.14	94.02
23 33 13 19-0118	EA		48" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,933.86 887.07 492.82	96.93
23 33 13 19-0119	EA		48" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,012.76 920.42 511.35	102.58
23 33 13 19-0120	EA		48" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,103.66 964.89 536.05	105.49
23 33 13 19-0121	EA		48" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,184.20 994.51 552.50	114.06
23 33 13 19-0122	EA		52" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,335.56 642.59 357.00	48.47
23 33 13 19-0123	EA		52" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,371.56 657.41 365.23	51.38
23 33 13 19-0124	EA		52" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,416.14 672.24 373.46	57.03
23 33 13 19-0125	EA		52" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,440.15 675.95 375.53	62.68
23 33 13 19-0126	EA		52" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,488.17 692.63 384.80	68.51

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 33 Air Duct Accessories**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0127	EA		52" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,536.12	74.15
			<i>For Dynamic Damper, Add</i>	709.28	
			<i>For 3 Hour Rated, Add</i>	394.05	
23 33 13 19-0128	EA		52" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,594.42	79.80
			<i>For Dynamic Damper, Add</i>	731.52	
			<i>For 3 Hour Rated, Add</i>	406.40	
23 33 13 19-0129	EA		52" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,652.68	85.63
			<i>For Dynamic Damper, Add</i>	753.73	
			<i>For 3 Hour Rated, Add</i>	418.74	
23 33 13 19-0130	EA		52" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,731.53	91.28
			<i>For Dynamic Damper, Add</i>	787.06	
			<i>For 3 Hour Rated, Add</i>	437.26	
23 33 13 19-0131	EA		52" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,831.00	96.93
			<i>For Dynamic Damper, Add</i>	831.52	
			<i>For 3 Hour Rated, Add</i>	461.96	
23 33 13 19-0132	EA		52" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,908.09	99.84
			<i>For Dynamic Damper, Add</i>	868.53	
			<i>For 3 Hour Rated, Add</i>	482.52	
23 33 13 19-0133	EA		52" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,005.92	102.58
			<i>For Dynamic Damper, Add</i>	916.73	
			<i>For 3 Hour Rated, Add</i>	509.30	
23 33 13 19-0134	EA		52" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,105.30	108.41
			<i>For Dynamic Damper, Add</i>	961.15	
			<i>For 3 Hour Rated, Add</i>	533.97	
23 33 13 19-0135	EA		52" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,184.20	114.06
			<i>For Dynamic Damper, Add</i>	994.51	
			<i>For 3 Hour Rated, Add</i>	552.50	
23 33 13 19-0136	EA		52" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,292.17	122.62
			<i>For Dynamic Damper, Add</i>	1,038.94	
			<i>For 3 Hour Rated, Add</i>	577.19	
23 33 13 19-0137	EA		52" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,377.92	128.27
			<i>For Dynamic Damper, Add</i>	1,076.00	
			<i>For 3 Hour Rated, Add</i>	597.78	
23 33 13 19-0138	EA		56" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,357.88	51.38
			<i>For Dynamic Damper, Add</i>	650.03	
			<i>For 3 Hour Rated, Add</i>	361.13	
23 33 13 19-0139	EA		56" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,409.26	57.03
			<i>For Dynamic Damper, Add</i>	668.52	
			<i>For 3 Hour Rated, Add</i>	371.40	
23 33 13 19-0140	EA		56" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,446.99	62.68
			<i>For Dynamic Damper, Add</i>	679.64	
			<i>For 3 Hour Rated, Add</i>	377.58	
23 33 13 19-0141	EA		56" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,470.96	68.51
			<i>For Dynamic Damper, Add</i>	683.34	
			<i>For 3 Hour Rated, Add</i>	379.63	
23 33 13 19-0142	EA		56" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,525.84	74.15
			<i>For Dynamic Damper, Add</i>	703.73	
			<i>For 3 Hour Rated, Add</i>	390.96	
23 33 13 19-0143	EA		56" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,580.70	79.80
			<i>For Dynamic Damper, Add</i>	724.11	
			<i>For 3 Hour Rated, Add</i>	402.28	
23 33 13 19-0144	EA		56" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,635.52	85.63
			<i>For Dynamic Damper, Add</i>	744.46	
			<i>For 3 Hour Rated, Add</i>	413.59	
23 33 13 19-0145	EA		56" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,690.36	91.28
			<i>For Dynamic Damper, Add</i>	764.83	
			<i>For 3 Hour Rated, Add</i>	424.91	
23 33 13 19-0146	EA		56" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,789.79	96.93
			<i>For Dynamic Damper, Add</i>	809.27	
			<i>For 3 Hour Rated, Add</i>	449.60	
23 33 13 19-0147	EA		56" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,880.73	99.84
			<i>For Dynamic Damper, Add</i>	853.76	
			<i>For 3 Hour Rated, Add</i>	474.31	
23 33 13 19-0148	EA		56" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,964.71	102.58
			<i>For Dynamic Damper, Add</i>	894.48	
			<i>For 3 Hour Rated, Add</i>	496.93	
23 33 13 19-0149	EA		56" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,077.90	108.41
			<i>For Dynamic Damper, Add</i>	946.35	
			<i>For 3 Hour Rated, Add</i>	525.75	
23 33 13 19-0150	EA		56" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,177.32	114.06
			<i>For Dynamic Damper, Add</i>	990.79	
			<i>For 3 Hour Rated, Add</i>	550.44	
23 33 13 19-0151	EA		56" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,283.62	119.71
			<i>For Dynamic Damper, Add</i>	1,038.94	
			<i>For 3 Hour Rated, Add</i>	577.19	
23 33 13 19-0152	EA		56" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,369.36	125.53
			<i>For Dynamic Damper, Add</i>	1,076.00	
			<i>For 3 Hour Rated, Add</i>	597.78	
23 33 13 19-0153	EA		56" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,475.66	131.18
			<i>For Dynamic Damper, Add</i>	1,124.16	
			<i>For 3 Hour Rated, Add</i>	624.53	
23 33 13 19-0154	EA		56" x 56" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,581.96	136.84
			<i>For Dynamic Damper, Add</i>	1,172.31	
			<i>For 3 Hour Rated, Add</i>	651.28	
23 33 13 19-0155	EA		60" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,395.58	57.03
			<i>For Dynamic Damper, Add</i>	661.13	
			<i>For 3 Hour Rated, Add</i>	367.30	
23 33 13 19-0156	EA		60" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,446.99	62.68
			<i>For Dynamic Damper, Add</i>	679.64	
			<i>For 3 Hour Rated, Add</i>	377.58	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0157	EA		60" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,477.85	68.51
			<i>For Dynamic Damper, Add</i>	687.06	
			<i>For 3 Hour Rated, Add</i>	381.70	
23 33 13 19-0158	EA		60" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,501.80	74.15
			<i>For Dynamic Damper, Add</i>	690.75	
			<i>For 3 Hour Rated, Add</i>	383.75	
23 33 13 19-0159	EA		60" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,560.14	79.80
			<i>For Dynamic Damper, Add</i>	713.01	
			<i>For 3 Hour Rated, Add</i>	396.11	
23 33 13 19-0160	EA		60" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,618.39	85.63
			<i>For Dynamic Damper, Add</i>	735.21	
			<i>For 3 Hour Rated, Add</i>	408.45	
23 33 13 19-0161	EA		60" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,680.08	91.28
			<i>For Dynamic Damper, Add</i>	759.28	
			<i>For 3 Hour Rated, Add</i>	421.82	
23 33 13 19-0162	EA		60" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,741.82	96.93
			<i>For Dynamic Damper, Add</i>	783.37	
			<i>For 3 Hour Rated, Add</i>	435.20	
23 33 13 19-0163	EA		60" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,839.56	99.84
			<i>For Dynamic Damper, Add</i>	831.52	
			<i>For 3 Hour Rated, Add</i>	461.96	
23 33 13 19-0164	EA		60" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,930.42	102.58
			<i>For Dynamic Damper, Add</i>	875.96	
			<i>For 3 Hour Rated, Add</i>	486.65	
23 33 13 19-0165	EA		60" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,036.77	108.41
			<i>For Dynamic Damper, Add</i>	924.14	
			<i>For 3 Hour Rated, Add</i>	513.41	
23 33 13 19-0166	EA		60" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,143.07	114.06
			<i>For Dynamic Damper, Add</i>	972.30	
			<i>For 3 Hour Rated, Add</i>	540.17	
23 33 13 19-0167	EA		60" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,228.77	119.71
			<i>For Dynamic Damper, Add</i>	1,009.32	
			<i>For 3 Hour Rated, Add</i>	560.74	
23 33 13 19-0168	EA		60" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,355.63	125.53
			<i>For Dynamic Damper, Add</i>	1,068.58	
			<i>For 3 Hour Rated, Add</i>	593.66	
23 33 13 19-0169	EA		60" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,468.81	131.18
			<i>For Dynamic Damper, Add</i>	1,120.46	
			<i>For 3 Hour Rated, Add</i>	622.48	
23 33 13 19-0170	EA		60" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,581.96	136.84
			<i>For Dynamic Damper, Add</i>	1,172.31	
			<i>For 3 Hour Rated, Add</i>	651.28	
23 33 13 19-0171	EA		60" x 56" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,681.35	142.66
			<i>For Dynamic Damper, Add</i>	1,216.73	
			<i>For 3 Hour Rated, Add</i>	675.96	
23 33 13 19-0172	EA		60" x 60" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,780.90	148.31
			<i>For Dynamic Damper, Add</i>	1,261.23	
			<i>For 3 Hour Rated, Add</i>	700.69	
<b>23 33 13 19-0173</b>			<b>Smoke Damper</b> <small>(23 33 13 19)</small>		
			Note: Leakage class I with Firestat UL 555S air foil blades.		
23 33 13 19-0174	EA		6" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	110.87	12.68
			<i>For Dynamic Damper, Add</i>	39.34	
			<i>For 3 Hour Rated, Add</i>	21.86	
23 33 13 19-0175	EA		8" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	114.41	13.24
			<i>For Dynamic Damper, Add</i>	40.32	
			<i>For 3 Hour Rated, Add</i>	22.40	
23 33 13 19-0176	EA		8" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	116.49	13.36
			<i>For Dynamic Damper, Add</i>	41.33	
			<i>For 3 Hour Rated, Add</i>	22.96	
23 33 13 19-0177	EA		10" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	116.49	13.36
			<i>For Dynamic Damper, Add</i>	41.33	
			<i>For 3 Hour Rated, Add</i>	22.96	
23 33 13 19-0178	EA		10" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	119.48	13.71
			<i>For Dynamic Damper, Add</i>	42.32	
			<i>For 3 Hour Rated, Add</i>	23.51	
23 33 13 19-0179	EA		10" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	127.72	15.19
			<i>For Dynamic Damper, Add</i>	44.31	
			<i>For 3 Hour Rated, Add</i>	24.62	
23 33 13 19-0180	EA		12" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	119.48	13.71
			<i>For Dynamic Damper, Add</i>	42.32	
			<i>For 3 Hour Rated, Add</i>	23.51	
23 33 13 19-0181	EA		12" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	125.43	14.50
			<i>For Dynamic Damper, Add</i>	44.31	
			<i>For 3 Hour Rated, Add</i>	24.62	
23 33 13 19-0182	EA		12" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	129.57	15.19
			<i>For Dynamic Damper, Add</i>	45.31	
			<i>For 3 Hour Rated, Add</i>	25.17	
23 33 13 19-0183	EA		12" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	137.12	17.13
			<i>For Dynamic Damper, Add</i>	46.30	
			<i>For 3 Hour Rated, Add</i>	25.72	
23 33 13 19-0184	EA		14" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	124.52	14.50
			<i>For Dynamic Damper, Add</i>	43.82	
			<i>For 3 Hour Rated, Add</i>	24.34	
23 33 13 19-0185	EA		14" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	129.57	15.19
			<i>For Dynamic Damper, Add</i>	45.31	
			<i>For 3 Hour Rated, Add</i>	25.17	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 33 13 19-0186	EA	14" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	133.69	15.98
		<i>For Dynamic Damper, Add</i>	46.30	
		<i>For 3 Hour Rated, Add</i>	25.72	
23 33 13 19-0187	EA	14" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	138.98	17.13
		<i>For Dynamic Damper, Add</i>	47.30	
		<i>For 3 Hour Rated, Add</i>	26.28	
23 33 13 19-0188	EA	14" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	149.29	19.06
		<i>For Dynamic Damper, Add</i>	49.79	
		<i>For 3 Hour Rated, Add</i>	27.66	
23 33 13 19-0189	EA	16" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	196.74	15.19
		<i>For Dynamic Damper, Add</i>	81.58	
		<i>For 3 Hour Rated, Add</i>	45.32	
23 33 13 19-0190	EA	16" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	202.00	16.32
		<i>For Dynamic Damper, Add</i>	82.57	
		<i>For 3 Hour Rated, Add</i>	45.87	
23 33 13 19-0191	EA	16" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	208.42	17.92
		<i>For Dynamic Damper, Add</i>	83.57	
		<i>For 3 Hour Rated, Add</i>	46.43	
23 33 13 19-0192	EA	16" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	213.68	19.06
		<i>For Dynamic Damper, Add</i>	84.56	
		<i>For 3 Hour Rated, Add</i>	46.98	
23 33 13 19-0193	EA	16" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	224.02	20.89
		<i>For Dynamic Damper, Add</i>	87.06	
		<i>For 3 Hour Rated, Add</i>	48.37	
23 33 13 19-0194	EA	16" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	234.34	22.84
		<i>For Dynamic Damper, Add</i>	89.55	
		<i>For 3 Hour Rated, Add</i>	49.75	
23 33 13 19-0195	EA	18" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	200.86	15.98
		<i>For Dynamic Damper, Add</i>	82.57	
		<i>For 3 Hour Rated, Add</i>	45.87	
23 33 13 19-0196	EA	18" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	207.06	17.13
		<i>For Dynamic Damper, Add</i>	84.07	
		<i>For 3 Hour Rated, Add</i>	46.70	
23 33 13 19-0197	EA	18" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	215.55	19.06
		<i>For Dynamic Damper, Add</i>	85.57	
		<i>For 3 Hour Rated, Add</i>	47.54	
23 33 13 19-0198	EA	18" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	225.86	20.89
		<i>For Dynamic Damper, Add</i>	88.05	
		<i>For 3 Hour Rated, Add</i>	48.92	
23 33 13 19-0199	EA	18" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	235.25	22.84
		<i>For Dynamic Damper, Add</i>	90.04	
		<i>For 3 Hour Rated, Add</i>	50.02	
23 33 13 19-0200	EA	18" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	245.57	24.66
		<i>For Dynamic Damper, Add</i>	92.53	
		<i>For 3 Hour Rated, Add</i>	51.41	
23 33 13 19-0201	EA	18" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	254.05	26.60
		<i>For Dynamic Damper, Add</i>	94.03	
		<i>For 3 Hour Rated, Add</i>	52.24	
23 33 13 19-0202	EA	20" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	206.14	17.13
		<i>For Dynamic Damper, Add</i>	83.57	
		<i>For 3 Hour Rated, Add</i>	46.43	
23 33 13 19-0203	EA	20" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	215.53	19.06
		<i>For Dynamic Damper, Add</i>	85.56	
		<i>For 3 Hour Rated, Add</i>	47.53	
23 33 13 19-0204	EA	20" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	224.94	20.89
		<i>For Dynamic Damper, Add</i>	87.56	
		<i>For 3 Hour Rated, Add</i>	48.64	
23 33 13 19-0205	EA	20" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	238.03	22.84
		<i>For Dynamic Damper, Add</i>	91.54	
		<i>For 3 Hour Rated, Add</i>	50.86	
23 33 13 19-0206	EA	20" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	246.50	24.66
		<i>For Dynamic Damper, Add</i>	93.04	
		<i>For 3 Hour Rated, Add</i>	51.69	
23 33 13 19-0207	EA	20" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	254.98	26.60
		<i>For Dynamic Damper, Add</i>	94.53	
		<i>For 3 Hour Rated, Add</i>	52.52	
23 33 13 19-0208	EA	20" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	264.37	28.55
		<i>For Dynamic Damper, Add</i>	96.52	
		<i>For 3 Hour Rated, Add</i>	53.62	
23 33 13 19-0209	EA	20" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	273.75	30.37
		<i>For Dynamic Damper, Add</i>	98.51	
		<i>For 3 Hour Rated, Add</i>	54.73	
23 33 13 19-0210	EA	24" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	271.10	19.06
		<i>For Dynamic Damper, Add</i>	115.57	
		<i>For 3 Hour Rated, Add</i>	64.20	
23 33 13 19-0211	EA	24" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	282.36	20.89
		<i>For Dynamic Damper, Add</i>	118.56	
		<i>For 3 Hour Rated, Add</i>	65.87	
23 33 13 19-0212	EA	24" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	291.77	22.84
		<i>For Dynamic Damper, Add</i>	120.56	
		<i>For 3 Hour Rated, Add</i>	66.98	
23 33 13 19-0213	EA	24" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	303.00	24.66
		<i>For Dynamic Damper, Add</i>	123.55	
		<i>For 3 Hour Rated, Add</i>	68.64	
23 33 13 19-0214	EA	24" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	311.48	26.60
		<i>For Dynamic Damper, Add</i>	125.04	
		<i>For 3 Hour Rated, Add</i>	69.47	
23 33 13 19-0215	EA	24" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	319.94	28.55
		<i>For Dynamic Damper, Add</i>	126.53	
		<i>For 3 Hour Rated, Add</i>	70.29	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0216	EA		24" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	331.18 129.52 71.96	30.37
23 33 13 19-0217	EA		24" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	348.13 132.51 73.61	34.25
23 33 13 19-0218	EA		24" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	366.94 136.50 75.83	38.02
23 33 13 19-0219	EA		28" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	282.36 118.56 65.87	20.89
23 33 13 19-0220	EA		28" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	291.77 120.56 66.98	22.84
23 33 13 19-0221	EA		28" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	303.00 123.55 68.64	24.66
23 33 13 19-0222	EA		28" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	312.39 125.53 69.74	26.60
23 33 13 19-0223	EA		28" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	322.71 128.02 71.12	28.55
23 33 13 19-0224	EA		28" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	333.02 130.51 72.51	30.37
23 33 13 19-0225	EA		28" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	349.97 133.50 74.17	34.25
23 33 13 19-0226	EA		28" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	366.94 136.50 75.83	38.02
23 33 13 19-0227	EA		28" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	383.70 142.46 79.15	39.96
23 33 13 19-0228	EA		28" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	404.35 147.45 81.92	43.72
23 33 13 19-0229	EA		32" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	297.30 123.55 68.64	22.84
23 33 13 19-0230	EA		32" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	304.83 124.53 69.19	24.66
23 33 13 19-0231	EA		32" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	312.39 125.53 69.74	26.60
23 33 13 19-0232	EA		32" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	321.78 127.52 70.85	28.55
23 33 13 19-0233	EA		32" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	333.37 130.70 72.61	30.37
23 33 13 19-0234	EA		32" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	349.97 133.50 74.17	34.25
23 33 13 19-0235	EA		32" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	368.78 137.49 76.38	38.02
23 33 13 19-0236	EA		32" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	387.59 141.48 78.60	41.79
23 33 13 19-0237	EA		32" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	404.35 147.45 81.92	43.72
23 33 13 19-0238	EA		32" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	426.41 154.43 85.79	46.81
23 33 13 19-0239	EA		32" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	449.15 162.39 90.22	49.43
23 33 13 19-0240	EA		36" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	311.69 128.24 71.24	24.66
23 33 13 19-0241	EA		36" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	321.26 130.32 72.40	26.60
23 33 13 19-0242	EA		36" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	330.82 132.40 73.56	28.55
23 33 13 19-0243	EA		36" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	342.33 135.54 75.30	30.37
23 33 13 19-0244	EA		36" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	356.66 137.11 76.17	34.25
23 33 13 19-0245	EA		36" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	365.27 138.68 77.04	36.08

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 33 13 19-0246	EA	36" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	392.06	41.79
		<i>For Dynamic Damper, Add</i>	143.89	
		<i>For 3 Hour Rated, Add</i>	79.94	
23 33 13 19-0247	EA	36" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	413.13	45.67
		<i>For Dynamic Damper, Add</i>	149.10	
		<i>For 3 Hour Rated, Add</i>	82.84	
23 33 13 19-0248	EA	36" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	429.29	47.16
		<i>For Dynamic Damper, Add</i>	155.37	
		<i>For 3 Hour Rated, Add</i>	86.32	
23 33 13 19-0249	EA	36" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	455.02	50.58
		<i>For Dynamic Damper, Add</i>	163.71	
		<i>For 3 Hour Rated, Add</i>	90.95	
23 33 13 19-0250	EA	36" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	476.54	53.21
		<i>For Dynamic Damper, Add</i>	171.02	
		<i>For 3 Hour Rated, Add</i>	95.01	
23 33 13 19-0251	EA	36" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	497.71	55.14
		<i>For Dynamic Damper, Add</i>	179.37	
		<i>For 3 Hour Rated, Add</i>	99.65	
23 33 13 19-0252	EA	40" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	359.62	28.55
		<i>For Dynamic Damper, Add</i>	151.04	
		<i>For 3 Hour Rated, Add</i>	83.91	
23 33 13 19-0253	EA	40" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	373.06	30.37
		<i>For Dynamic Damper, Add</i>	155.21	
		<i>For 3 Hour Rated, Add</i>	86.23	
23 33 13 19-0254	EA	40" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	380.69	32.31
		<i>For Dynamic Damper, Add</i>	156.25	
		<i>For 3 Hour Rated, Add</i>	86.81	
23 33 13 19-0255	EA	40" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	388.33	34.25
		<i>For Dynamic Damper, Add</i>	157.30	
		<i>For 3 Hour Rated, Add</i>	87.39	
23 33 13 19-0256	EA	40" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	406.52	36.08
		<i>For Dynamic Damper, Add</i>	160.95	
		<i>For 3 Hour Rated, Add</i>	89.42	
23 33 13 19-0257	EA	40" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	419.01	38.02
		<i>For Dynamic Damper, Add</i>	164.61	
		<i>For 3 Hour Rated, Add</i>	91.45	
23 33 13 19-0258	EA	40" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	443.86	43.72
		<i>For Dynamic Damper, Add</i>	168.78	
		<i>For 3 Hour Rated, Add</i>	93.77	
23 33 13 19-0259	EA	40" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	463.02	47.50
		<i>For Dynamic Damper, Add</i>	172.96	
		<i>For 3 Hour Rated, Add</i>	96.09	
23 33 13 19-0260	EA	40" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	483.74	50.58
		<i>For Dynamic Damper, Add</i>	179.22	
		<i>For 3 Hour Rated, Add</i>	99.57	
23 33 13 19-0261	EA	40" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	512.98	53.21
		<i>For Dynamic Damper, Add</i>	190.70	
		<i>For 3 Hour Rated, Add</i>	105.94	
23 33 13 19-0262	EA	40" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	533.69	56.29
		<i>For Dynamic Damper, Add</i>	196.95	
		<i>For 3 Hour Rated, Add</i>	109.42	
23 33 13 19-0263	EA	40" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	559.52	57.77
		<i>For Dynamic Damper, Add</i>	208.43	
		<i>For 3 Hour Rated, Add</i>	115.79	
23 33 13 19-0264	EA	40" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	587.99	60.85
		<i>For Dynamic Damper, Add</i>	218.87	
		<i>For 3 Hour Rated, Add</i>	121.59	
23 33 13 19-0265	EA	44" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	369.20	28.55
		<i>For Dynamic Damper, Add</i>	153.13	
		<i>For 3 Hour Rated, Add</i>	85.07	
23 33 13 19-0266	EA	44" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	382.62	30.37
		<i>For Dynamic Damper, Add</i>	157.30	
		<i>For 3 Hour Rated, Add</i>	87.39	
23 33 13 19-0267	EA	44" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	394.15	32.31
		<i>For Dynamic Damper, Add</i>	160.44	
		<i>For 3 Hour Rated, Add</i>	89.13	
23 33 13 19-0268	EA	44" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	401.80	34.25
		<i>For Dynamic Damper, Add</i>	161.49	
		<i>For 3 Hour Rated, Add</i>	89.72	
23 33 13 19-0269	EA	44" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	415.23	36.08
		<i>For Dynamic Damper, Add</i>	165.66	
		<i>For 3 Hour Rated, Add</i>	92.03	
23 33 13 19-0270	EA	44" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	428.66	38.02
		<i>For Dynamic Damper, Add</i>	169.82	
		<i>For 3 Hour Rated, Add</i>	94.35	
23 33 13 19-0271	EA	44" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	461.18	45.67
		<i>For Dynamic Damper, Add</i>	175.05	
		<i>For 3 Hour Rated, Add</i>	97.25	
23 33 13 19-0272	EA	44" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	482.24	49.43
		<i>For Dynamic Damper, Add</i>	180.26	
		<i>For 3 Hour Rated, Add</i>	100.14	
23 33 13 19-0273	EA	44" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	512.98	53.21
		<i>For Dynamic Damper, Add</i>	190.70	
		<i>For 3 Hour Rated, Add</i>	105.94	
23 33 13 19-0274	EA	44" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	541.80	57.09
		<i>For Dynamic Damper, Add</i>	200.09	
		<i>For 3 Hour Rated, Add</i>	111.16	
23 33 13 19-0275	EA	44" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	572.52	60.85
		<i>For Dynamic Damper, Add</i>	210.51	
		<i>For 3 Hour Rated, Add</i>	116.95	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0276	EA		44" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	595.62 219.90 122.17	62.68
23 33 13 19-0277	EA		44" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	618.73 229.30 127.39	64.62
23 33 13 19-0278	EA		44" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	641.84 238.70 132.61	66.56
23 33 13 19-0279	EA		48" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	380.69 156.25 86.81	30.37
23 33 13 19-0280	EA		48" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	394.15 160.44 89.13	32.31
23 33 13 19-0281	EA		48" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	401.80 161.49 89.72	34.25
23 33 13 19-0282	EA		48" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	419.01 164.61 91.45	38.02
23 33 13 19-0283	EA		48" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	438.15 168.78 93.77	41.79
23 33 13 19-0284	EA		48" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	457.31 172.96 96.09	45.67
23 33 13 19-0285	EA		48" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	480.32 179.22 99.57	49.43
23 33 13 19-0286	EA		48" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	503.31 185.47 103.04	53.21
23 33 13 19-0287	EA		48" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	532.12 194.86 108.26	57.09
23 33 13 19-0288	EA		48" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	564.80 206.34 114.64	60.85
23 33 13 19-0289	EA		48" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	587.91 215.74 119.86	62.68
23 33 13 19-0290	EA		48" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	616.80 228.26 126.81	64.62
23 33 13 19-0291	EA		48" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	645.61 237.65 132.03	68.39
23 33 13 19-0292	EA		48" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	674.50 250.17 138.98	70.33
23 33 13 19-0293	EA		48" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	707.08 258.52 143.62	76.04
23 33 13 19-0294	EA		52" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	392.22 159.40 88.55	32.31
23 33 13 19-0295	EA		52" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	405.65 163.57 90.87	34.25
23 33 13 19-0296	EA		52" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	424.79 167.73 93.19	38.02
23 33 13 19-0297	EA		52" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	438.15 168.78 93.77	41.79
23 33 13 19-0298	EA		52" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	458.27 173.48 96.38	45.67
23 33 13 19-0299	EA		52" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	478.38 178.17 98.99	49.43
23 33 13 19-0300	EA		52" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	501.39 184.44 102.47	53.21
23 33 13 19-0301	EA		52" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	524.40 190.70 105.94	57.09
23 33 13 19-0302	EA		52" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	553.22 200.09 111.16	60.85
23 33 13 19-0303	EA		52" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	587.81 212.60 118.11	64.62
23 33 13 19-0304	EA		52" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	612.83 223.03 123.91	66.56
23 33 13 19-0305	EA		52" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	643.68 236.61 131.45	68.39

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 33 Air Duct Accessories**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33	13	19-0306	EA 52" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... For Dynamic Damper, Add For 3 Hour Rated, Add	678.26 249.12 138.40	72.27
23 33	13	19-0307	EA 52" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... For Dynamic Damper, Add For 3 Hour Rated, Add	707.08 258.52 143.62	76.04
23 33	13	19-0308	EA 52" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... For Dynamic Damper, Add For 3 Hour Rated, Add	747.39 271.04 150.58	81.75
23 33	13	19-0309	EA 52" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... For Dynamic Damper, Add For 3 Hour Rated, Add	778.14 281.48 156.38	85.51
23 33	13	19-0310	EA 56" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... For Dynamic Damper, Add For 3 Hour Rated, Add	401.80 161.49 89.72	34.25
23 33	13	19-0311	EA 56" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... For Dynamic Damper, Add For 3 Hour Rated, Add	422.86 166.69 92.61	38.02
23 33	13	19-0312	EA 56" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... For Dynamic Damper, Add For 3 Hour Rated, Add	440.08 169.82 94.35	41.79
23 33	13	19-0313	EA 56" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... For Dynamic Damper, Add For 3 Hour Rated, Add	453.42 170.86 94.92	45.67
23 33	13	19-0314	EA 56" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... For Dynamic Damper, Add For 3 Hour Rated, Add	475.48 176.61 98.12	49.43
23 33	13	19-0315	EA 56" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... For Dynamic Damper, Add For 3 Hour Rated, Add	497.52 182.35 101.30	53.21
23 33	13	19-0316	EA 56" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... For Dynamic Damper, Add For 3 Hour Rated, Add	519.56 188.08 104.49	57.09
23 33	13	19-0317	EA 56" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... For Dynamic Damper, Add For 3 Hour Rated, Add	541.61 193.82 107.68	60.85
23 33	13	19-0318	EA 56" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... For Dynamic Damper, Add For 3 Hour Rated, Add	576.22 206.34 114.64	64.62
23 33	13	19-0319	EA 56" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... For Dynamic Damper, Add For 3 Hour Rated, Add	605.12 218.87 121.59	66.56
23 33	13	19-0320	EA 56" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... For Dynamic Damper, Add For 3 Hour Rated, Add	632.08 230.34 127.97	68.39
23 33	13	19-0321	EA 56" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... For Dynamic Damper, Add For 3 Hour Rated, Add	670.55 244.95 136.09	72.27
23 33	13	19-0322	EA 56" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... For Dynamic Damper, Add For 3 Hour Rated, Add	705.14 257.47 143.04	76.04
23 33	13	19-0323	EA 56" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... For Dynamic Damper, Add For 3 Hour Rated, Add	741.68 271.04 150.58	79.80
23 33	13	19-0324	EA 56" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... For Dynamic Damper, Add For 3 Hour Rated, Add	772.43 281.48 156.38	83.69
23 33	13	19-0325	EA 56" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... For Dynamic Damper, Add For 3 Hour Rated, Add	808.97 295.04 163.91	87.46
23 33	13	19-0326	EA 56" x 56" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... For Dynamic Damper, Add For 3 Hour Rated, Add	845.50 308.60 171.45	91.22
23 33	13	19-0327	EA 60" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... For Dynamic Damper, Add For 3 Hour Rated, Add	419.01 164.61 91.45	38.02
23 33	13	19-0328	EA 60" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... For Dynamic Damper, Add For 3 Hour Rated, Add	440.08 169.82 94.35	41.79
23 33	13	19-0329	EA 60" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... For Dynamic Damper, Add For 3 Hour Rated, Add	455.36 171.91 95.51	45.67
23 33	13	19-0330	EA 60" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... For Dynamic Damper, Add For 3 Hour Rated, Add	468.73 172.96 96.09	49.43
23 33	13	19-0331	EA 60" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... For Dynamic Damper, Add For 3 Hour Rated, Add	491.73 179.22 99.57	53.21
23 33	13	19-0332	EA 60" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... For Dynamic Damper, Add For 3 Hour Rated, Add	514.73 185.47 103.04	57.09
23 33	13	19-0333	EA 60" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... For Dynamic Damper, Add For 3 Hour Rated, Add	538.71 192.26 106.81	60.85
23 33	13	19-0334	EA 60" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... For Dynamic Damper, Add For 3 Hour Rated, Add	562.69 199.04 110.58	64.62
23 33	13	19-0335	EA 60" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... For Dynamic Damper, Add For 3 Hour Rated, Add	593.52 212.60 118.11	66.56

MINOR		UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI				UNIT COST	UNIT COST
23 33 13 19-0336	EA		60" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	622.41 225.12 125.07	68.39
23 33 13 19-0337	EA		60" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	658.96 238.70 132.61	72.27
23 33 13 19-0338	EA		60" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	695.49 252.26 140.15	76.04
23 33 13 19-0339	EA		60" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	726.22 262.69 145.94	79.80
23 33 13 19-0340	EA		60" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	768.55 279.38 155.21	83.69
23 33 13 19-0341	EA		60" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	807.03 293.99 163.33	87.46
23 33 13 19-0342	EA		60" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	845.50 308.60 171.45	91.22
23 33 13 19-0343	EA		60" x 56" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	880.08 321.11 178.40	95.11
23 33 13 19-0344	EA		60" x 60" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	914.71 333.64 185.36	98.88
<b>23 33 13 19-0345</b>			<b>Motorized Combination Fire/Smoke Damper (Dayton)</b> <small>(23 33 13 19)</small> Note: Includes damper, motor, actuators and junction box. Excludes electrical connection.		
23 33 13 19-0346	EA		8" Width x 8" Height, 120 Volt, 1-1/2 Hour, Galvanized Steel, Motorized Combination Fire/Smoke Damper (Dayton 3HGJ9) ..... Note: Includes damper, motor, actuators and junction box. Excludes electrical connection.	655.41	20.78
23 33 13 19-0347	EA		10" Width x 10" Height, 120 Volt, 1-1/2 Hour, Galvanized Steel, Motorized Combination Fire/Smoke Damper (Dayton 3HGK1) ..... Note: Includes damper, motor, actuators and junction box. Excludes electrical connection.	668.81	21.69
23 33 13 19-0348	EA		12" Width x 12" Height, 120 Volt, 1-1/2 Hour, Galvanized Steel, Motorized Combination Fire/Smoke Damper (Dayton 3HGK2) ..... Note: Includes damper, motor, actuators and junction box. Excludes electrical connection.	724.79	22.84
23 33 13 19-0349	EA		16" Width x 16" Height, 120 Volt, 1-1/2 Hour, Galvanized Steel, Motorized Combination Fire/Smoke Damper (Dayton 3HGK3) ..... Note: Includes damper, motor, actuators and junction box. Excludes electrical connection.	759.58	24.09
23 33 13 19-0350	EA		18" Width x 18" Height, 120 Volt, 1-1/2 Hour, Galvanized Steel, Motorized Combination Fire/Smoke Damper (Dayton 3HGK4) ..... Note: Includes damper, motor, actuators and junction box. Excludes electrical connection.	813.19	25.35
23 33 13 19-0351	EA		24" Width x 24" Height, 120 Volt, 1-1/2 Hour, Galvanized Steel, Motorized Combination Fire/Smoke Damper (Dayton 3HGK5) ..... Note: Includes damper, motor, actuators and junction box. Excludes electrical connection.	888.12	26.83
23 33 13 19-0352	EA		8" Width x 8" Height, 24 Volt, 1-1/2 Hour, Galvanized Steel, Motorized Combination Fire/Smoke Damper (Dayton 3HGJ3) ..... Note: Includes damper, motor, actuators and junction box. Excludes electrical connection.	657.90	20.78
23 33 13 19-0353	EA		10" Width x 10" Height, 24 Volt, 1-1/2 Hour, Galvanized Steel, Motorized Combination Fire/Smoke Damper (Dayton 3HGJ4) ..... Note: Includes damper, motor, actuators and junction box. Excludes electrical connection.	657.50	21.69
23 33 13 19-0354	EA		12" Width x 12" Height, 24 Volt, 1-1/2 Hour, Galvanized Steel, Motorized Combination Fire/Smoke Damper (Dayton 3HGJ5) ..... Note: Includes damper, motor, actuators and junction box. Excludes electrical connection.	724.74	22.84
23 33 13 19-0355	EA		16" Width x 16" Height, 24 Volt, 1-1/2 Hour, Galvanized Steel, Motorized Combination Fire/Smoke Damper (Dayton 3HGJ6) ..... Note: Includes damper, motor, actuators and junction box. Excludes electrical connection.	759.58	24.09
23 33 13 19-0356	EA		18" Width x 18" Height, 24 Volt, 1-1/2 Hour, Galvanized Steel, Motorized Combination Fire/Smoke Damper (Dayton 3HGJ7) ..... Note: Includes damper, motor, actuators and junction box. Excludes electrical connection.	813.19	25.35
23 33 13 19-0357	EA		24" Width x 24" Height, 24 Volt, 1-1/2 Hour, Galvanized Steel, Motorized Combination Fire/Smoke Damper (Dayton 3HGJ8) ..... Note: Includes damper, motor, actuators and junction box. Excludes electrical connection.	869.58	26.83
<b>23 33 13 23</b>			<b>Backdraft Dampers</b> <small>(23 33 13)</small>		
<b>23 33 13 23-0001</b>			<b>Horizontally Mounted Backdraft Damper</b> <small>(23 33 13 23)</small> Note: Galvanized steel frame, aluminum blades. Exclude motor pack.		
23 33 13 23-0002	EA		6" x 6" Horizontally Mounted Backdraft Damper ..... 23 33 13 23-0003 EA 8" x 6" Horizontally Mounted Backdraft Damper ..... 23 33 13 23-0004 EA 8" x 8" Horizontally Mounted Backdraft Damper ..... 23 33 13 23-0005 EA 10" x 6" Horizontally Mounted Backdraft Damper ..... 23 33 13 23-0006 EA 10" x 8" Horizontally Mounted Backdraft Damper ..... 23 33 13 23-0007 EA 10" x 10" Horizontally Mounted Backdraft Damper ..... 23 33 13 23-0008 EA 12" x 6" Horizontally Mounted Backdraft Damper ..... 23 33 13 23-0009 EA 12" x 8" Horizontally Mounted Backdraft Damper ..... 23 33 13 23-0010 EA 12" x 10" Horizontally Mounted Backdraft Damper ..... 23 33 13 23-0011 EA 12" x 12" Horizontally Mounted Backdraft Damper ..... 23 33 13 23-0012 EA 14" x 6" Horizontally Mounted Backdraft Damper ..... 23 33 13 23-0013 EA 14" x 8" Horizontally Mounted Backdraft Damper ..... 23 33 13 23-0014 EA 14" x 10" Horizontally Mounted Backdraft Damper ..... 23 33 13 23-0015 EA 14" x 12" Horizontally Mounted Backdraft Damper ..... 23 33 13 23-0016 EA 14" x 14" Horizontally Mounted Backdraft Damper ..... 23 33 13 23-0017 EA 16" x 6" Horizontally Mounted Backdraft Damper .....	76.27 90.73 107.95 103.71 99.80 119.03 93.93 116.09 112.06 128.32 105.00 107.78 126.19 114.63 129.93 116.09	12.68 13.24 13.36 13.36 13.71 15.19 13.71 15.19 15.98 17.13 14.50 15.98 17.13 19.06 20.89 15.19









**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 33 Air Duct Accessories**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 33 13 23-0355	EA 44" x 50" Vertically Mounted Backdraft Damper .....	551.01	53.21
23 33 13 23-0356	EA 50" x 44" Vertically Mounted Backdraft Damper .....	562.43	57.09
23 33 13 23-0357	EA 32" x 72" Vertically Mounted Backdraft Damper .....	592.34	60.85
23 33 13 23-0358	EA 36" x 64" Vertically Mounted Backdraft Damper .....	603.76	64.62
23 33 13 23-0359	EA 48" x 48" Vertically Mounted Backdraft Damper .....	615.18	68.39
23 33 13 23-0360	EA 48" x 50" Vertically Mounted Backdraft Damper .....	643.65	72.27
23 33 13 23-0361	EA 50" x 48" Vertically Mounted Backdraft Damper .....	655.06	76.04
23 33 13 23-0362	EA 36" x 68" Vertically Mounted Backdraft Damper .....	663.60	76.04
23 33 13 23-0363	EA 50" x 50" Vertically Mounted Backdraft Damper .....	684.27	79.80
23 33 13 23-0364	EA 36" x 72" Vertically Mounted Backdraft Damper .....	700.62	79.80
<b>23 33 13 23-0365 Backdraft Damper Accessories (23 33 13 23)</b>			
23 33 13 23-0366	EA For Motor Pack For Horizontally Mounted Backdraft Damper .....	184.89	27.15
23 33 13 23-0367	EA For Motor Pack For Vertically Mounted Backdraft Damper .....	304.77	27.15
<b>23 33 13 33 Splitter Damper Hardware (23 33 13)</b>			
23 33 13 33-0001	EA Splitter Damper, Hardware .....	39.97	7.98
<b>23 33 13 43 Blower Check Valve (23 33 13)</b>			
<b>23 33 13 43-0001 Blower Check Valves With Silicone Seals (23 33 13 43)</b>			
23 33 13 43-0002	EA 2-1/2" Blower Check Valves, Silicone Seals .....	218.69	29.45
23 33 13 43-0003	EA 3" Blower Check Valves, Silicone Seals .....	244.41	33.56
23 33 13 43-0004	EA 4" Blower Check Valves, Silicone Seals .....	314.38	44.53
23 33 13 43-0005	EA 5" Blower Check Valves, Silicone Seals .....	431.10	51.38
23 33 13 43-0006	EA 6" Blower Check Valves, Silicone Seals .....	484.36	61.66
23 33 13 43-0007	EA 8" Blower Check Valves, Silicone Seals .....	717.49	78.09
<b>23 33 13 43-0008 Blower Check Valves With Viton Seats (23 33 13 43)</b>			
23 33 13 43-0009	EA 2-1/2" Blower Check Valves, Viton Seats .....	298.77	29.45
23 33 13 43-0010	EA 3" Blower Check Valves, Viton Seats .....	339.59	33.56
23 33 13 43-0011	EA 4" Blower Check Valves, Viton Seats .....	380.65	44.53
23 33 13 43-0012	EA 5" Blower Check Valves, Viton Seats .....	530.32	51.38
23 33 13 43-0013	EA 6" Blower Check Valves, Viton Seats .....	593.88	61.66
23 33 13 43-0014	EA 8" Blower Check Valves, Viton Seats .....	911.23	78.09
<b>23 33 19 Duct Silencers (23 33)</b>			
<b>23 33 19 00-0001 36" Long Packaged Duct Sound Trap (23 33 19)</b>			
23 33 19 00-0002	EA 12" x 12" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator .....	352.48	46.72
23 33 19 00-0003	EA 12" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator .....	424.16	53.55
23 33 19 00-0004	EA 12" x 24" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator .....	552.00	61.53
23 33 19 00-0005	EA 12" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator .....	672.59	69.51
23 33 19 00-0006	EA 24" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator .....	621.30	69.51
23 33 19 00-0007	EA 24" x 24" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator .....	797.09	72.92
23 33 19 00-0008	EA 24" x 30" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator .....	881.26	77.48
23 33 19 00-0009	EA 24" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator .....	967.72	82.04
23 33 19 00-0010	EA 24" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator .....	1,272.44	93.43
23 33 19 00-0011	EA 36" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator .....	790.71	77.48
23 33 19 00-0012	EA 36" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator .....	1,070.20	93.43
23 33 19 00-0013	EA 36" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator .....	1,903.89	125.34
23 33 19 00-0014	EA 36" x 60" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator .....	2,107.63	132.17
23 33 19 00-0015	EA 48" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator .....	2,353.70	142.43
23 33 19 00-0016	EA 48" x 60" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator .....	2,643.97	154.97
<b>23 33 19 00-0017 60" Long Packaged Duct Sound Trap (23 33 19)</b>			
23 33 19 00-0018	EA 12" x 12" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator .....	393.76	102.55
23 33 19 00-0019	EA 12" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator .....	475.17	118.50
23 33 19 00-0020	EA 12" x 24" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator .....	619.91	136.73
23 33 19 00-0021	EA 12" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator .....	755.48	153.82
23 33 19 00-0022	EA 24" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator .....	697.17	153.82
23 33 19 00-0023	EA 24" x 24" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator .....	898.40	162.93
23 33 19 00-0024	EA 24" x 30" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator .....	990.14	170.91
23 33 19 00-0025	EA 24" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator .....	1,083.60	180.03
23 33 19 00-0026	EA 24" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator .....	1,432.40	205.10
23 33 19 00-0027	EA 36" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator .....	887.24	170.91
23 33 19 00-0028	EA 36" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator .....	1,202.57	205.10
23 33 19 00-0029	EA 36" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator .....	2,134.77	270.04
23 33 19 00-0030	EA 36" x 60" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator .....	2,383.43	292.83
23 33 19 00-0031	EA 48" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator .....	2,648.77	311.06
23 33 19 00-0032	EA 48" x 60" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator .....	2,981.90	341.83
<b>23 33 19 00-0033 84" Long Packaged Duct Sound Trap (23 33 19)</b>			
23 33 19 00-0034	EA 6" x 12" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator .....	338.99	85.46
23 33 19 00-0035	EA 6" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator .....	582.24	127.62
23 33 19 00-0036	EA 6" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator .....	811.97	186.87
23 33 19 00-0037	EA 12" x 12" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator .....	458.94	102.55



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 19 00-0038	EA		12" x 18" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	571.21	118.50
23 33 19 00-0039	EA		12" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	777.70	136.73
23 33 19 00-0040	EA		12" x 30" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	920.72	146.99
23 33 19 00-0041	EA		12" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,005.00	158.38
23 33 19 00-0042	EA		12" x 42" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,267.99	170.91
23 33 19 00-0043	EA		12" x 48" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,501.44	186.87
23 33 19 00-0044	EA		24" x 18" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	860.94	158.38
23 33 19 00-0045	EA		24" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,232.95	165.22
23 33 19 00-0046	EA		24" x 30" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,346.89	170.91
23 33 19 00-0047	EA		24" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,467.78	180.03
23 33 19 00-0048	EA		24" x 42" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,844.81	193.70
23 33 19 00-0049	EA		24" x 48" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	2,001.81	205.10

**23 33 23 Turning Vanes (23 33)**

**23 33 23 00-0001 Duct Turning Vane Components (23 33 23)**

23 33 23 00-0002	LF		Duct Turning Vane Rail.....	11.88	2.85
			<i>For Stainless Steel, Add</i>	7.76	
23 33 23 00-0003	LF		Double Thick Factory Fabricated, Duct Turning Vane.....	11.36	1.14
			<i>For Stainless Steel, Add</i>	11.69	

**23 33 23 00-0004 Duct Turning Vane Sets (23 33 23)**

Note: Measured from inside corner to outside corner of ductwork.

23 33 23 00-0005	LF		12" High Duct Turning Vanes, Sets.....	46.63	4.27
			<i>For Stainless Steel, Add</i>	53.68	
23 33 23 00-0006	LF		14" High Duct Turning Vanes, Sets.....	57.93	4.55
			<i>For Stainless Steel, Add</i>	67.90	
23 33 23 00-0007	LF		16" High Duct Turning Vanes, Sets.....	79.15	4.78
			<i>For Stainless Steel, Add</i>	95.06	
23 33 23 00-0008	LF		18" High Duct Turning Vanes, Sets.....	100.43	5.13
			<i>For Stainless Steel, Add</i>	122.23	
23 33 23 00-0009	LF		20" High Duct Turning Vanes, Sets.....	111.29	5.47
			<i>For Stainless Steel, Add</i>	135.79	
23 33 23 00-0010	LF		22" High Duct Turning Vanes, Sets.....	142.21	5.13
			<i>For Stainless Steel, Add</i>	176.55	
23 33 23 00-0011	LF		24" High Duct Turning Vanes, Sets.....	174.74	6.04
			<i>For Stainless Steel, Add</i>	217.28	
23 33 23 00-0012	LF		26" High Duct Turning Vanes, Sets.....	187.61	6.32
			<i>For Stainless Steel, Add</i>	233.64	
23 33 23 00-0013	LF		30" High Duct Turning Vanes, Sets.....	209.49	6.57
			<i>For Stainless Steel, Add</i>	261.68	

**23 33 33 Duct-Mounting Access Doors (23 33)**

**23 33 33 00-0001 Duct Access Doors, Insulated Factory Fabrication (23 33 33)**

23 33 33 00-0002	EA		6" x 6" Duct Access Doors Insulated Factory Fabrication.....	84.90	15.96
			<i>For Stainless Steel, Add</i>	41.60	
23 33 33 00-0003	EA		10" x 10" Duct Access Doors Insulated Factory Fabrication.....	89.27	15.96
			<i>For Stainless Steel, Add</i>	50.34	
23 33 33 00-0004	EA		12" x 12" Duct Access Doors Insulated Factory Fabrication.....	91.40	15.96
			<i>For Stainless Steel, Add</i>	54.60	
23 33 33 00-0005	EA		12" x 18" Duct Access Doors Insulated Factory Fabrication.....	117.38	19.37
			<i>For Stainless Steel, Add</i>	77.00	
23 33 33 00-0006	EA		16" x 12" Duct Access Doors Insulated Factory Fabrication.....	118.24	19.37
			<i>For Stainless Steel, Add</i>	78.72	
23 33 33 00-0007	EA		18" x 18" Duct Access Doors Insulated Factory Fabrication.....	147.85	26.21
			<i>For Stainless Steel, Add</i>	90.60	
23 33 33 00-0008	EA		24" x 18" Duct Access Doors Insulated Factory Fabrication.....	176.96	31.90
			<i>For Stainless Steel, Add</i>	97.56	
23 33 33 00-0009	EA		24" x 24" Duct Access Doors Insulated Factory Fabrication.....	230.81	43.29
			<i>For Stainless Steel, Add</i>	119.80	

**23 33 43 Flexible Connectors (23 33)**

23 33 43 00-0001	LF		6-1/2" Width, Galvanized Steel, Flexible Duct Connector.....	14.08	3.41
23 33 43 00-0002	LF		5-3/4" Width, Vinyl/Steel, Flexible Duct Connector.....	14.38	3.07

**23 33 46 Flexible Ducts (23 33)**

**23 33 46 00-0001 Flexible Duct, R8.0 Insulated With Metallized Outer Jacket (23 33 46)**

Note: Polyester inner liner encapsulating a corrosion resistant steel wire helix, supporting a blanket of fiberglass insulation over a fiberglass scrim and a bi-directional reinforced metallized outer vapor barrier jacket.

23 33 46 00-0002	LF		4" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	6.35	1.14
23 33 46 00-0003	LF		5" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	7.09	2.28
23 33 46 00-0004	LF		6" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	8.13	2.28
23 33 46 00-0005	LF		7" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	9.52	2.28
23 33 46 00-0006	LF		8" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	11.46	3.41
23 33 46 00-0007	LF		10" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	14.73	3.41
23 33 46 00-0008	LF		12" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	20.17	4.55
23 33 46 00-0009	LF		14" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	25.15	4.55
23 33 46 00-0010	LF		16" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	33.24	5.70

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

<b>23 33 46 00-0011 Collars, Sheet Metal Spin-In Type With Damper</b> <small>(23 33 46)</small>				
23 33 46 00-0012	EA	Up To 4" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	48.15	6.84
		<i>For Stainless Steel, Add</i>	29.26	
23 33 46 00-0013	EA	5" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	52.11	7.98
		<i>For Stainless Steel, Add</i>	29.65	
23 33 46 00-0014	EA	6" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	59.33	7.98
		<i>For Stainless Steel, Add</i>	32.70	
23 33 46 00-0015	EA	7" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	66.97	10.25
		<i>For Stainless Steel, Add</i>	33.74	
23 33 46 00-0016	EA	8" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	80.59	12.53
		<i>For Stainless Steel, Add</i>	38.12	
23 33 46 00-0017	EA	10" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	94.74	14.81
		<i>For Stainless Steel, Add</i>	46.98	
23 33 46 00-0018	EA	12" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	107.32	17.09
		<i>For Stainless Steel, Add</i>	50.64	
23 33 46 00-0019	EA	14" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	127.38	19.37
		<i>For Stainless Steel, Add</i>	63.39	
23 33 46 00-0020	EA	16" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	138.81	21.65
		<i>For Stainless Steel, Add</i>	69.36	

**23 33 53 Duct Liners** (23 33)

<b>23 33 53 00-0001 Fiberglass Duct Liner Board, Rigid, Acoustical Insulation</b> <small>(23 33 53)</small>				
23 33 53 00-0002	SF	1/2" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	12.36	3.22
23 33 53 00-0003	SF	3/4" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	13.50	3.22
23 33 53 00-0004	SF	1" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	15.02	4.29
23 33 53 00-0005	SF	1-1/2" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	18.43	4.29
23 33 53 00-0006	SF	2" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	22.23	4.84
23 33 53 00-0007	SF	1/2" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	11.61	3.41
23 33 53 00-0008	SF	3/4" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	12.68	3.41
23 33 53 00-0009	SF	1" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	14.15	4.55
23 33 53 00-0010	SF	1-1/2" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	17.26	4.55
23 33 53 00-0011	SF	2" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	20.91	5.13

**23 33 53 00-0012 Fiberglass Duct Liner Blanket, Flexible, Acoustical Insulation** (23 33 53)

23 33 53 00-0013	SF	1/2", R2, 2 LB/CF, T200, Fiberglass Duct Liner Blanket	2.70	2.73
23 33 53 00-0014	SF	1", R3.8, 1.5 LB/CF, T150, Fiberglass Duct Liner Blanket	3.29	3.07
23 33 53 00-0015	SF	1", R4.1, 2 LB/CF, T200, Fiberglass Duct Liner Blanket	3.98	3.07
23 33 53 00-0016	SF	1", R4.3, 3 LB/CF, T300, Fiberglass Duct Liner Blanket	5.21	3.07
23 33 53 00-0017	SF	1-1/2", T150, 1.5 LB/CF, Fiberglass Duct Liner Blanket	4.30	3.41
23 33 53 00-0018	SF	2", R7.7, 1.5 LB/CF, T150 Fiberglass Duct Liner Blanket	4.56	3.76
23 33 53 00-0019	SF	2", R8, 2 LB/CF, T200 Fiberglass Duct Liner Blanket	7.21	3.76

**23 33 56 Duct Air Extractors** (23 33)

23 33 56 00-0001	EA	12" x 4" Duct Air Extractor	52.92	18.80
		<i>For Stainless Steel, Add</i>	19.92	
23 33 56 00-0002	EA	8" x 6" Duct Air Extractor	56.34	20.51
		<i>For Stainless Steel, Add</i>	19.92	
23 33 56 00-0003	EA	12" x 6" Duct Air Extractor	64.49	21.65
		<i>For Stainless Steel, Add</i>	27.56	
23 33 56 00-0004	EA	16" x 6" Duct Air Extractor	72.47	22.79
		<i>For Stainless Steel, Add</i>	34.96	
23 33 56 00-0005	EA	24" x 6" Duct Air Extractor	94.53	25.07
		<i>For Stainless Steel, Add</i>	57.72	
23 33 56 00-0006	EA	12" x 8" Duct Air Extractor	69.34	22.79
		<i>For Stainless Steel, Add</i>	30.90	
23 33 56 00-0007	EA	20" x 8" Duct Air Extractor	91.37	28.49
		<i>For Stainless Steel, Add</i>	44.72	
23 33 56 00-0008	EA	18" x 10" Duct Air Extractor	98.71	32.47
		<i>For Stainless Steel, Add</i>	43.90	
23 33 56 00-0009	EA	24" x 10" Duct Air Extractor	120.12	38.16
		<i>For Stainless Steel, Add</i>	56.91	
23 33 56 00-0010	EA	24" x 12" Duct Air Extractor	138.06	45.58
		<i>For Stainless Steel, Add</i>	60.98	
23 33 56 00-0011	EA	30" x 12" Duct Air Extractor	172.73	56.97
		<i>For Stainless Steel, Add</i>	76.43	

**23 33 59 Duct Pressure Relief Doors** (23 33)

<b>23 33 59 00-0001 Duct Pressure Relief Doors</b> <small>(23 33 59)</small>				
23 33 59 00-0002	EA	18" x 18" Duct Pressure Relief Door (Ruskin PRD18)	1,022.86	34.18
23 33 59 00-0003	EA	24" x 10" Duct Pressure Relief Door (Ruskin PRD18)	840.57	28.49
23 33 59 00-0004	EA	24" x 12" Duct Pressure Relief Door (Ruskin PRD18)	834.25	31.34

**23 34 HVAC Fans** (23 30)**23 34 13 Axial HVAC Fans** (23 34)

23 34 13 00-0001	Tube-Axial Fans <small>(23 34 13)</small>				
23 34 13 00-0002	Direct Drive Tube-Axial Duct Fans <small>(23 34 13 00-0001)</small>				

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 13 00-0003	EA		12" Direct Drive Axial Flow Fan, 1/6 HP 1,060 CFM Constant Speed, 1/8" Static Pressure.....	1,637.29	350.19
			For 1/4" Static Pressure, Add	74.90	
			For 3/8" Static Pressure, Add	149.79	
			For 1/2" Static Pressure, Add	205.97	
23 34 13 00-0004	EA		12" Direct Drive Axial Flow Fan, 1/2 HP 2,095 CFM Constant Speed, 1/8" Static Pressure.....	1,704.17	351.24
			For 1/4" Static Pressure, Add	80.25	
			For 3/8" Static Pressure, Add	160.49	
			For 1/2" Static Pressure, Add	220.68	
23 34 13 00-0005	EA		16" Direct Drive Axial Flow Fan, 1/3 HP 2,490 CFM Constant Speed, 1/8" Static Pressure.....	1,837.91	350.19
			For 1/4" Static Pressure, Add	90.95	
			For 3/8" Static Pressure, Add	181.89	
			For 1/2" Static Pressure, Add	250.10	
23 34 13 00-0006	EA		20" Direct Drive Axial Flow Fan, 3/4 HP 4,130 CFM Constant Speed, 1/8" Static Pressure.....	1,971.66	351.24
			For 1/4" Static Pressure, Add	101.65	
			For 3/8" Static Pressure, Add	203.29	
			For 1/2" Static Pressure, Add	279.53	
23 34 13 00-0007	EA		22" Direct Drive Axial Flow Fan, 3/4 HP 4,700 CFM Constant Speed, 1/8" Static Pressure.....	2,312.50	420.65
			For 1/4" Static Pressure, Add	117.70	
			For 3/8" Static Pressure, Add	235.39	
			For 1/2" Static Pressure, Add	323.66	
23 34 13 00-0008	EA		24" Direct Drive Axial Flow Fan, 1 HP 5,850 CFM Constant Speed, 1/8" Static Pressure.....	2,653.13	457.46
			For 1/4" Static Pressure, Add	139.09	
			For 3/8" Static Pressure, Add	278.19	
			For 1/2" Static Pressure, Add	382.51	
23 34 13 00-0009	EA		24" Direct Drive Axial Flow Fan, 1-1/2 HP 7,925 CFM Constant Speed, 1/8" Static Pressure.....	2,807.11	500.58
			For 1/4" Static Pressure, Add	144.44	
			For 3/8" Static Pressure, Add	288.89	
			For 1/2" Static Pressure, Add	397.22	
23 34 13 00-0010	EA		30" Direct Drive Axial Flow Fan, 1 HP 10,640 CFM Constant Speed, 1/8" Static Pressure.....	3,191.54	525.81
			For 1/4" Static Pressure, Add	171.19	
			For 3/8" Static Pressure, Add	342.39	
			For 1/2" Static Pressure, Add	470.78	
23 34 13 00-0011	EA		30" Direct Drive Axial Flow Fan, 2-1/2 HP 14,765 CFM Constant Speed, 1/8" Static Pressure.....	3,855.68	657.26
			For 1/4" Static Pressure, Add	203.29	
			For 3/8" Static Pressure, Add	406.58	
			For 1/2" Static Pressure, Add	559.05	
23 34 13 00-0012	EA		36" Direct Drive Axial Flow Fan, 2 HP 16,780 CFM Constant Speed, 1/8" Static Pressure.....	4,344.55	701.43
			For 1/4" Static Pressure, Add	235.39	
			For 3/8" Static Pressure, Add	470.78	
			For 1/2" Static Pressure, Add	647.33	
23 34 13 00-0013	EA		36" Direct Drive Axial Flow Fan, 5 HP 22,920 CFM Constant Speed, 1/8" Static Pressure.....	5,095.25	808.70
			For 1/4" Static Pressure, Add	278.19	
			For 3/8" Static Pressure, Add	556.38	
			For 1/2" Static Pressure, Add	765.02	
23 34 13 00-0014	<b>Belt Drive Tube-Axial Duct Fans</b> <small>(23 34 13 00-0001)</small>				
23 34 13 00-0015	EA		15" Belt Drive Axial Flow Fan, 1/3 HP 2,800 CFM Constant Speed, 1/8" Static Pressure.....	1,554.33	339.68
			For 1/4" Static Pressure, Add	70.07	
			For 3/8" Static Pressure, Add	140.14	
			For 1/2" Static Pressure, Add	192.69	
23 34 13 00-0016	EA		15" Belt Drive Axial Flow Fan, 1/2 HP 3,400 CFM Constant Speed, 1/8" Static Pressure.....	1,646.09	351.24
			For 1/4" Static Pressure, Add	75.60	
			For 3/8" Static Pressure, Add	151.20	
			For 1/2" Static Pressure, Add	207.90	
23 34 13 00-0017	EA		18" Belt Drive Axial Flow Fan, 1/3 HP 3,280 CFM Constant Speed, 1/8" Static Pressure.....	1,700.99	362.81
			For 1/4" Static Pressure, Add	78.06	
			For 3/8" Static Pressure, Add	156.12	
			For 1/2" Static Pressure, Add	214.66	
23 34 13 00-0018	EA		18" Belt Drive Axial Flow Fan, 1/2 HP 3,900 CFM Constant Speed, 1/8" Static Pressure.....	1,798.61	375.43
			For 1/4" Static Pressure, Add	83.80	
			For 3/8" Static Pressure, Add	167.59	
			For 1/2" Static Pressure, Add	230.44	
23 34 13 00-0019	EA		18" Belt Drive Axial Flow Fan, 1 HP 5,250 CFM Constant Speed, 1/8" Static Pressure.....	2,021.06	390.15
			For 1/4" Static Pressure, Add	99.37	
			For 3/8" Static Pressure, Add	198.73	
			For 1/2" Static Pressure, Add	273.26	
23 34 13 00-0020	EA		24" Belt Drive Axial Flow Fan, 1/2 HP 4,800 CFM Constant Speed, 1/8" Static Pressure.....	2,130.42	404.87
			For 1/4" Static Pressure, Add	105.72	
			For 3/8" Static Pressure, Add	211.44	
			For 1/2" Static Pressure, Add	290.73	
23 34 13 00-0021	EA		24" Belt Drive Axial Flow Fan, 1 HP 6,430 CFM Constant Speed, 1/8" Static Pressure.....	2,377.90	420.65
			For 1/4" Static Pressure, Add	122.93	
			For 3/8" Static Pressure, Add	245.86	
			For 1/2" Static Pressure, Add	338.05	
23 34 13 00-0022	EA		24" Belt Drive Axial Flow Fan, 2 HP 8,860 CFM Constant Speed, 1/8" Static Pressure.....	2,670.76	420.65
			For 1/4" Static Pressure, Add	146.46	
			For 3/8" Static Pressure, Add	292.93	
			For 1/2" Static Pressure, Add	402.78	
23 34 13 00-0023	EA		30" Belt Drive Axial Flow Fan, 1 HP 9,250 CFM Constant Speed, 1/8" Static Pressure.....	3,089.72	457.46
			For 1/4" Static Pressure, Add	174.15	
			For 3/8" Static Pressure, Add	348.30	
			For 1/2" Static Pressure, Add	478.91	
23 34 13 00-0024	EA		30" Belt Drive Axial Flow Fan, 5 HP 16,900 CFM Constant Speed, 1/8" Static Pressure.....	3,665.64	554.21
			For 1/4" Static Pressure, Add	204.88	
			For 3/8" Static Pressure, Add	409.76	
			For 1/2" Static Pressure, Add	563.42	





**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 34 HVAC Fans**



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 34 16 00-0109	Upblast Kitchen Exhaust Fans <small>(23 34 16 00-0108)</small>		
23 34 16 00-0110	Direct Drive Kitchen Upblast Exhaust Fans <small>(23 34 16 00-0109)</small> Note: Greenheck CUE.		
23 34 16 00-0111	EA Up To 12" Wheel Diameter, 1/6 HP Direct Drive, Kitchen Upblast Exhaust Fan.....	1,047.45	136.71
	Note: 115V. For roof or wall installations. Includes disconnect switch.		
	For Bird Screen, Add	43.86	
	For Backdraft Damper, Add	115.23	
	For Damper Motor, Add	183.07	
23 34 16 00-0112	EA 14" Wheel Diameter, 1/4 HP Direct Drive, Kitchen Upblast Exhaust Fan .....	1,221.68	136.71
	Note: 115V. For roof or wall installations. Includes disconnect switch.		
	For Bird Screen, Add	43.86	
	For Backdraft Damper, Add	115.23	
	For Damper Motor, Add	183.07	
23 34 16 00-0113	Belt Drive Kitchen Upblast Exhaust Fans <small>(23 34 16 00-0109)</small> Note: Greenheck CUBE.		
23 34 16 00-0114	EA 10" Diameter Wheel, Up To 1/3 HP, 1,458 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....	1,772.11	136.71
	Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
	For Bird Screen, Add	43.86	
	For Wall Mounted Fan, Add	70.88	
	For 3 Phase Motor, Deduct	-50.00	
	For Totally Enclosed Motor, Add	85.00	
	For Backdraft Damper, Add	115.23	
	For Damper Motor, Add	183.07	
	For Grease Trap Kit, Add	76.41	
	For Hinged Curb Kit, Add	127.39	
23 34 16 00-0115	EA 12" Diameter Wheel, 1/2 HP, 1,923 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....	1,847.72	136.71
	Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
	For Bird Screen, Add	43.86	
	For Wall Mounted Fan, Add	73.91	
	For 3 Phase Motor, Deduct	-50.00	
	For Totally Enclosed Motor, Add	85.00	
	For Backdraft Damper, Add	115.23	
	For Damper Motor, Add	183.07	
23 34 16 00-0116	EA 14" Diameter Wheel, 1/3 HP, 2,006 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....	1,597.92	157.75
	Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
	For Bird Screen, Add	49.91	
	For Wall Mounted Fan, Add	63.92	
	For 3 Phase Motor, Deduct	-50.00	
	For Totally Enclosed Motor, Add	85.00	
	For Backdraft Damper, Add	130.71	
	For Damper Motor, Add	183.07	
23 34 16 00-0117	EA 14" Diameter Wheel, 1 HP, 2,757 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....	1,706.81	157.75
	Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
	For Bird Screen, Add	49.91	
	For Wall Mounted Fan, Add	68.27	
	For 3 Phase Motor, Deduct	-50.00	
	For Totally Enclosed Motor, Add	85.00	
	For Backdraft Damper, Add	130.71	
	For Damper Motor, Add	183.07	
23 34 16 00-0118	EA 16" Diameter Wheel, 1/2 HP, 2,940 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....	2,164.67	184.04
	Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
	For Bird Screen, Add	49.91	
	For Wall Mounted Fan, Add	86.59	
	For 3 Phase Motor, Deduct	-50.00	
	For Totally Enclosed Motor, Add	85.00	
	For Backdraft Damper, Add	130.71	
	For Damper Motor, Add	183.07	
23 34 16 00-0119	EA 16" Diameter Wheel, 1 HP, 3,129 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....	2,281.12	184.04
	Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
	For Bird Screen, Add	49.91	
	For Wall Mounted Fan, Add	91.24	
	For 3 Phase Motor, Deduct	-50.00	
	For Totally Enclosed Motor, Add	85.00	
	For Backdraft Damper, Add	130.71	
	For Damper Motor, Add	183.07	
23 34 16 00-0120	EA 18" Diameter Wheel, 1/2 HP , 3,243 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....	2,484.35	197.18
	Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
	For Bird Screen, Add	83.18	
	For Wall Mounted Fan, Add	99.37	
	For 3 Phase Motor, Deduct	-50.00	
	For Totally Enclosed Motor, Add	85.00	
	For Backdraft Damper, Add	161.52	
	For Damper Motor, Add	183.07	
	For Grease Trap Kit, Add	76.41	
	For Hinged Curb Kit, Add	177.65	
23 34 16 00-0121	EA 18" Diameter Wheel, 1 HP , 4,223 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....	2,665.82	197.18
	Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
	For Bird Screen, Add	83.18	
	For Wall Mounted Fan, Add	106.63	
	For 3 Phase Motor, Deduct	-50.00	
	For Totally Enclosed Motor, Add	85.00	
	For Backdraft Damper, Add	161.52	
	For Damper Motor, Add	183.07	
	For Grease Trap Kit, Add	76.41	
	For Hinged Curb Kit, Add	193.07	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0122	EA		20" Diameter Wheel, 3/4 HP, 4,438 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan ..... Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	2,713.30	210.33
			For Bird Screen, Add	83.18	
			For Wall Mounted Fan, Add	108.53	
			For 3 Phase Motor, Deduct	-50.00	
			For Totally Enclosed Motor, Add	85.00	
			For Backdraft Damper, Add	161.52	
			For Damper Motor, Add	183.07	
23 34 16 00-0123	EA		20" Diameter Wheel, 2 HP, 6,450 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan ..... Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	2,968.88	210.33
			For Bird Screen, Add	83.18	
			For Wall Mounted Fan, Add	118.76	
			For 3 Phase Motor, Deduct	-50.00	
			For Totally Enclosed Motor, Add	85.00	
			For Backdraft Damper, Add	161.52	
			For Damper Motor, Add	183.07	
23 34 16 00-0124	EA		24" Diameter Wheel, 3/4 HP, 5,460 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan ..... Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	3,417.68	236.62
			For Bird Screen, Add	98.30	
			For Wall Mounted Fan, Add	136.71	
			For 3 Phase Motor, Deduct	-50.00	
			For Totally Enclosed Motor, Add	85.00	
			For Backdraft Damper, Add	175.29	
			For Damper Motor, Add	183.07	
23 34 16 00-0125	EA		24" Diameter Wheel, 2 HP, 7,985 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan ..... Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	3,652.08	236.62
			For Bird Screen, Add	98.30	
			For Wall Mounted Fan, Add	146.08	
			For 3 Phase Motor, Deduct	-50.00	
			For Totally Enclosed Motor, Add	85.00	
			For Backdraft Damper, Add	175.29	
			For Damper Motor, Add	183.07	
23 34 16 00-0126	EA		30" Diameter Wheel, 3/4 HP, 7,771 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan ..... Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	4,323.20	262.91
			For Bird Screen, Add	105.86	
			For Wall Mounted Fan, Add	172.93	
			For 3 Phase Motor, Deduct	-50.00	
			For Totally Enclosed Motor, Add	85.00	
			For Backdraft Damper, Add	194.16	
			For Damper Motor, Add	183.07	
23 34 16 00-0127	EA		30" Diameter Wheel, 2 HP, 10,192 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan ..... Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	4,400.32	262.91
			For Bird Screen, Add	105.86	
			For Wall Mounted Fan, Add	176.01	
			For 3 Phase Motor, Deduct	-50.00	
			For Totally Enclosed Motor, Add	85.00	
			For Backdraft Damper, Add	194.16	
			For Damper Motor, Add	183.07	
23 34 16 00-0128	EA		30" Diameter Wheel, 3 HP, 11,903 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan ..... Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	4,792.01	262.91
			For Bird Screen, Add	105.86	
			For Wall Mounted Fan, Add	191.68	
			For Totally Enclosed Motor, Add	85.00	
			For Backdraft Damper, Add	194.16	
			For Damper Motor, Add	183.07	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	362.63	
23 34 16 00-0129	EA		30" Diameter Wheel, 5 HP, 14,266 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan ..... Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	4,981.05	262.91
			For Bird Screen, Add	105.86	
			For Wall Mounted Fan, Add	199.24	
			For Totally Enclosed Motor, Add	85.00	
			For Backdraft Damper, Add	194.16	
			For Damper Motor, Add	183.07	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	378.70	
23 34 16 00-0130	EA		36" Diameter Wheel, 3 HP, 14,769 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan ..... Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	5,484.52	289.20
			For Bird Screen, Add	120.98	
			For Wall Mounted Fan, Add	219.38	
			For Totally Enclosed Motor, Add	85.00	
			For Damper Motor, Add	183.07	
			For Backdraft Damper, Add	226.89	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	417.02	
23 34 16 00-0131	EA		36" Diameter Wheel, 5 HP, 17,884 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan ..... Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	5,701.91	289.20
			For Bird Screen, Add	120.98	
			For Wall Mounted Fan, Add	228.08	
			For Totally Enclosed Motor, Add	85.00	
			For Damper Motor, Add	183.07	
			For Backdraft Damper, Add	226.89	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	435.50	
23 34 16 00-0132	EA		42" Diameter Wheel, 3 HP, 17,316 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan ..... Note: 230/460/60/3. Includes birdscreen, heat baffle, grease baffle and disconnect switch.	5,760.58	315.49
			For Bird Screen, Add	120.98	
			For Totally Enclosed Motor, Add	85.00	
			For Damper Motor, Add	183.07	
			For Backdraft Damper, Add	262.02	

23	<b>23 Heating, Ventilating, and Air-Conditioning (HVAC)</b>
	<b>23 30 HVAC Air Distribution</b>
	<b>23 34 HVAC Fans</b>



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 34 16 00-0133	EA	42" Diameter Wheel, 7-1/2 HP, 24,604 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan..... Note: 230/460/60/3. Includes birdscreen, heat baffle, grease baffle and disconnect switch. <i>For Bird Screen, Add</i> <i>For Totally Enclosed Motor, Add</i> <i>For Damper Motor, Add</i> <i>For Backdraft Damper, Add</i>	6,237.86 120.98 85.00 183.07 262.02	315.49
23 34 16 00-0134		<b>Untempered Kitchen Make-Up Air Fans</b> (23 34 16 00-0108) Note: Roof mounted with downblast discharge, weatherhood and filter.		
23 34 16 00-0135		<b>Direct Drive Kitchen Make-Up Air Fans</b> (23 34 16 00-0134)		
23 34 16 00-0136	EA	7" Diameter Wheel, 1/2 HP Direct Drive, Kitchen Make-Up Air Fan ..... Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,208.28	136.71
23 34 16 00-0137	EA	8" Diameter Wheel, 1 HP Direct Drive, Kitchen Make-Up Air Fan ..... Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,267.47	136.71
23 34 16 00-0138	EA	9" Diameter Wheel, 1 HP Direct Drive, Kitchen Make-Up Air Fan ..... Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,340.11	136.71
23 34 16 00-0139		<b>Belt Drive Kitchen Make-Up Air Fans</b> (23 34 16 00-0134)		
23 34 16 00-0140	EA	9" Diameter Wheel, 1/2 HP Belt Drive, Kitchen Make-Up Air Fan ..... Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,368.28	136.71
23 34 16 00-0141	EA	10" Diameter Wheel, 1-1/2 HP Belt Drive, Kitchen Make-Up Air Fan ..... Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,543.69	184.04
23 34 16 00-0142	EA	12" Diameter Wheel, 2 HP Belt Drive, Kitchen Make-Up Air Fan..... Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,857.33	210.33
23 34 16 00-0143	EA	15" Diameter Wheel, 3 HP Belt Drive, Kitchen Make-Up Air Fan..... Note: 230/460/60/3. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	2,159.09	262.91
23 34 16 00-0144	EA	18" Diameter Wheel, 5 HP Belt Drive, Kitchen Make-Up Air Fan..... Note: 230/460/60/3. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	2,612.03	315.49
23 34 16 00-0145		<b>Replacement Parts</b> (23 34 16 00-0001)		
23 34 16 00-0146		<b>Replace Belts And Accessories</b> (23 34 16 00-0145)		
23 34 16 00-0147	EA	Fan Shaft Bearing, Replacement .....	798.79	360.51
23 34 16 00-0148	EA	Fan Belt, Replacement .....	128.95	48.89
23 34 16 00-0149		<b>Corrosive Fume Resistant Plastic</b> (23 34 16 00-0001)		
23 34 16 00-0150		<b>Centrifugal Roof Ventilators, Belt Drive, 1/4" Static Pressure</b> (23 34 16 00-0149)		
23 34 16 00-0151	EA	250 CFM, 1/4 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic ..... <i>For Explosion Proof Motor, Add</i>	5,144.57 714.77	189.72
23 34 16 00-0152	EA	895 CFM, 1/3 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic ..... <i>For Explosion Proof Motor, Add</i>	5,592.23 770.47	227.89
23 34 16 00-0153	EA	1,630 CFM, 1/2 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic ..... <i>For Explosion Proof Motor, Add</i>	6,634.45 909.71	284.86
23 34 16 00-0154	EA	2,240 CFM, 1 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic ..... <i>For Explosion Proof Motor, Add</i>	7,134.23 956.12	380.00
23 34 16 00-0155	EA	3,810 CFM, 2 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic ..... <i>For Explosion Proof Motor, Add</i>	8,194.32 1,058.24	569.71
23 34 16 00-0156	EA	11,760 CFM, 5 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic ..... <i>For Explosion Proof Motor, Add</i>	14,160.78 1,782.29	1,139.42
23 34 16 00-0157	EA	18,810 CFM, 10 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic ..... <i>For Explosion Proof Motor, Add</i>	20,647.27 2,608.46	1,628.81
23 34 16 00-0158		<b>Utility Set, Centrifugal, Belt Drive</b> (23 34 16 00-0149)		
23 34 16 00-0159	EA	1,200 CFM, 1/4 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic ..... <i>For Explosion Proof Motor, Add</i>	5,144.57 714.77	189.72
23 34 16 00-0160	EA	1,520 CFM, 1/3 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic ..... <i>For Explosion Proof Motor, Add</i>	5,282.81 724.06	227.89
23 34 16 00-0161	EA	1,850 CFM, 1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic ..... <i>For Explosion Proof Motor, Add</i>	5,396.75 724.06	284.86
23 34 16 00-0162	EA	2,180 CFM, 3/4 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic ..... <i>For Explosion Proof Motor, Add</i>	5,587.11 724.06	380.00
23 34 16 00-0163	EA	3,600 CFM, 1 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic ..... <i>For Explosion Proof Motor, Add</i>	7,699.24 983.97	569.71
23 34 16 00-0164	EA	4,250 CFM, 1-1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic ..... <i>For Explosion Proof Motor, Add</i>	7,984.11 983.97	712.14
23 34 16 00-0165	EA	4,800 CFM, 2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic ..... <i>For Explosion Proof Motor, Add</i>	8,189.64 983.97	814.91
23 34 16 00-0166	EA	6,920 CFM, 5 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic ..... <i>For Explosion Proof Motor, Add</i>	8,392.73 1,002.54	854.57
23 34 16 00-0167	EA	7,700 CFM, 7-1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic ..... <i>For Explosion Proof Motor, Add</i>	8,644.52 1,011.82	949.48
23 34 16 00-0168		<b>In-Line Duct Fans</b> (23 34 16 00-0001)		



		MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>23 34 16 00-0169</b>		<b>Direct Drive In-Line Duct Fans</b> <small>(23 34 16 00-0169)</small>		
		Note: Greenheck SQ.		
23 34 16 00-0170	EA	Up To 10" Wheel Diameter, 1/16 HP Direct Drive, In Line Duct Fan .....	1,156.07	136.71
		Note: 115V. Includes disconnect switch.		
23 34 16 00-0171	EA	13" Wheel Diameter, 1/6 HP Direct Drive, In Line Duct Fan .....	1,464.70	147.23
		Note: 115V. Includes disconnect switch.		
23 34 16 00-0172	EA	14" Wheel Diameter, 1/3 HP Direct Drive, In Line Duct Fan .....	1,604.42	157.75
		Note: 115V. Includes disconnect switch.		
<b>23 34 16 00-0173</b>		<b>Belt Drive In-Line Duct Fans</b> <small>(23 34 16 00-0173)</small>		
		Note: Greenheck BSQ.		
23 34 16 00-0174	EA	Up To 12" Wheel Diameter, 1/4 HP Belt Drive, In Line Duct Fan .....	1,673.08	157.75
		Note: 115/208-230/60/1. Includes disconnect switch.		
		<i>For 3 Phase Motor, Deduct</i>	-50.00	
		<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0175	EA	13" Or 14" Wheel Diameter, 1/4 HP Belt Drive, In Line Duct Fan .....	1,924.18	184.04
		Note: 115/208-230/60/1. Includes disconnect switch.		
		<i>For 3 Phase Motor, Deduct</i>	-50.00	
		<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0176	EA	13" Or 14" Wheel Diameter, 3/4 HP Belt Drive, In Line Duct Fan .....	2,153.31	184.04
		Note: 115/208-230/60/1. Includes disconnect switch.		
		<i>For 3 Phase Motor, Deduct</i>	-50.00	
		<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0177	EA	13" Or 14" Wheel Diameter, 1-1/2 HP Belt Drive, In Line Duct Fan .....	2,348.10	184.04
		Note: 115/208-230/60/1. Includes disconnect switch.		
		<i>For 3 Phase Motor, Deduct</i>	-50.00	
		<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0178	EA	16" Or 18" Wheel Diameter, 1/3 HP Belt Drive, In Line Duct Fan .....	2,301.43	210.33
		Note: 115/208-230/60/1. Includes disconnect switch.		
		<i>For 3 Phase Motor, Deduct</i>	-50.00	
		<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0179	EA	16" Or 18" Wheel Diameter, 1-1/2 HP Belt Drive, In Line Duct Fan .....	2,631.31	210.33
		Note: 115/208-230/60/1. Includes disconnect switch.		
		<i>For 3 Phase Motor, Deduct</i>	-50.00	
		<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0180	EA	24" Wheel Diameter, 1 HP Belt Drive, In Line Duct Fan .....	3,346.22	262.91
		Note: 115/208-230/60/1. Includes disconnect switch.		
		<i>For 3 Phase Motor, Deduct</i>	-50.00	
		<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0181	EA	24" Wheel Diameter, 3 HP Belt Drive, In Line Duct Fan .....	3,528.33	262.91
		Note: 230/460/60/3. Includes disconnect switch.		
		<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0182	EA	24" Wheel Diameter, 5 HP Belt Drive, In Line Duct Fan .....	3,656.70	262.91
		Note: Belt drive. 230/460/60/3. Includes disconnect switch.		
		<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0183	EA	30 Or 36" Wheel Diameter, 3 HP Belt Drive, In Line Duct Fan .....	4,234.36	315.49
		Note: 230/460/60/3. Includes disconnect switch.		
		<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0184	EA	30 Or 36" Wheel Diameter, 5 HP Belt Drive, In Line Duct Fan .....	4,387.58	315.49
		Note: 230/460/60/3. Includes disconnect switch.		
		<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0185	EA	30 Or 36" Wheel Diameter, 7-1/2 HP Belt Drive, In Line Duct Fan .....	4,575.87	315.49
		Note: 230/460/60/3. Includes disconnect switch.		
		<i>For Totally Enclosed Motor, Add</i>	85.00	
<b>23 34 16 00-0186</b>		<b>In-Line Cabinet Fans</b> <small>(23 34 16 00-0001)</small>		
23 34 16 00-0187	EA	950 CFM, 80 Watt, Direct Drive In-Line Cabinet Fan.....	379.16	92.01
23 34 16 00-0188	EA	1,050 CFM, 129 Watt, Direct Drive In-Line Cabinet Fan.....	399.70	92.01
23 34 16 00-0189	EA	1,100 CFM, 173 Watt, Direct Drive In-Line Cabinet Fan.....	427.57	92.01
23 34 16 00-0190	EA	950 CFM, 48.7 Watt, Direct Drive In-Line Cabinet Fan.....	426.10	92.01
23 34 16 00-0191	EA	1,100 CFM, 52.5 Watt, Direct Drive In-Line Cabinet Fan.....	426.10	92.01
23 34 16 00-0192	EA	1,400 CFM, 100 Watt, Direct Drive In-Line Cabinet Fan.....	470.12	92.01
23 34 16 00-0193	EA	900 CFM, 48.2 Watt, Direct Drive In-Line Cabinet Fan.....	559.85	97.27
23 34 16 00-0194	EA	1,000 CFM, 82.7 Watt, Direct Drive In-Line Cabinet Fan.....	482.09	97.27
23 34 16 00-0195	EA	1,050 CFM, 80.7 Watt, Direct Drive In-Line Cabinet Fan.....	511.43	97.27
23 34 16 00-0196	EA	1,350 CFM, 140 Watt, Direct Drive In-Line Cabinet Fan.....	530.51	97.27
23 34 16 00-0197	EA	1,000 CFM, 135 Watt, Direct Drive In-Line Cabinet Fan.....	552.51	97.27
23 34 16 00-0198	EA	1,070 CFM, 217 Watt, Direct Drive In-Line Cabinet Fan.....	552.51	97.27
23 34 16 00-0199	EA	1,100 CFM, 350 Watt, Direct Drive In-Line Cabinet Fan.....	881.38	102.53
23 34 16 00-0200	EA	1,080 CFM, 325 Watt, Direct Drive In-Line Cabinet Fan.....	747.88	102.53
23 34 16 00-0201	EA	1,600 CFM, 405 Watt, Direct Drive In-Line Cabinet Fan.....	747.88	102.53
23 34 16 00-0202	EA	950 CFM, 328 Watt, Direct Drive In-Line Cabinet Fan.....	998.75	102.53
23 34 16 00-0203	EA	1,095 CFM, 455 Watt, Direct Drive In-Line Cabinet Fan.....	998.75	102.53
23 34 16 00-0204	EA	1,450 CFM, 822 Watt, Direct Drive In-Line Cabinet Fan.....	998.75	102.53
23 34 16 00-0205	EA	1,640 CFM, 830 Watt, Direct Drive In-Line Cabinet Fan.....	1,326.39	102.53
<b>23 34 16 00-0206</b>		<b>Propeller And Ceiling Fans</b> <small>(23 34 16)</small>		
<b>23 34 16 00-0207</b>		<b>Direct Drive, Sidewall Propeller Exhaust Fan</b> <small>(23 34 16 00-0206)</small>		
		Note: Greenheck SE1.		
23 34 16 00-0208	EA	1/25 HP, 307 CFM At 1/8" Static Pressure, 8" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan .....	570.31	112.52
		Note: Includes motor side guard.		
		<i>For Backdraft Damper, Add</i>	128.61	
		<i>For Wall Mount Collar, Add</i>	210.73	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 34 HVAC Fans



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 34 16 00-0209	EA	1/12 HP, 763 CFM At 1/8" Static Pressure, 10" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan ..... Note: Includes motor side guard. <i>For Backdraft Damper, Add</i> <i>For Wall Mount Collar, Add</i>	606.13  138.96 210.73	125.15
23 34 16 00-0210	EA	1/8 HP, 1,149 CFM At 1/8" Static Pressure, 12" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan ..... Note: Includes motor side guard. <i>For Backdraft Damper, Add</i> <i>For Wall Mount Collar, Add</i>	671.28  152.72 216.31	138.81
23 34 16 00-0211	EA	1/6 HP, 1,350 CFM At 1/8" Static Pressure, 14" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan ..... <i>For Backdraft Damper, Add</i> <i>For Wall Mount Collar, Add</i> <i>For Motor Side Guard, Add</i>	964.93  181.83 220.39 179.88	153.53
23 34 16 00-0212	EA	1/6 HP, 2,012 CFM At 1/8" Static Pressure, 16" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan ..... <i>For Backdraft Damper, Add</i> <i>For Wall Mount Collar, Add</i> <i>For Motor Side Guard, Add</i>	1,102.45  181.83 225.98 191.50	170.36
23 34 16 00-0213	EA	1/4 HP, 2,908 CFM At 1/8" Static Pressure, 18" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan ..... <i>For Backdraft Damper, Add</i> <i>For Wall Mount Collar, Add</i> <i>For Motor Side Guard, Add</i>	1,239.15  219.45 231.56 203.14	189.29
23 34 16 00-0214	EA	1/3 HP, 3,974 CFM At 1/8" Static Pressure, 20" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan ..... <i>For Backdraft Damper, Add</i> <i>For Wall Mount Collar, Add</i> <i>For Motor Side Guard, Add</i>	1,414.14  219.45 235.64 219.31	210.33
<b>23 34 16 00-0215 Belt Drive Propeller Exhaust Fans</b> (23 34 16 00-0206)				
Note: Wall shutter 1/8" static pressure, with birdscreen.				
23 34 16 00-0216	EA	24" Propeller Exhaust Fan, V-Belt Drive, 5,795 CFM, 1/2 HP, With Wall Shutter.....	2,089.20	300.76
23 34 16 00-0217	EA	30" Propeller Exhaust Fan, V-Belt Drive, 9,060 CFM, 3/4 HP, With Wall Shutter.....	2,393.91	350.19
23 34 16 00-0218	EA	36" Propeller Exhaust Fan, V-Belt Drive, 11,850 CFM, 1 HP, With Wall Shutter.....	2,719.73	420.65
23 34 16 00-0219	EA	42" Propeller Exhaust Fan, V-Belt Drive, 17,400 CFM, 1-1/2 HP, With Wall Shutter.....	3,776.17	525.81
23 34 16 00-0220	EA	48" Propeller Exhaust Fan, V-Belt Drive, 19,870 CFM, 1-1/2 HP, With Wall Shutter.....	4,518.07	701.43
23 34 16 00-0221	EA	54" Propeller Exhaust Fan, V-Belt Drive, 26,000 CFM, 2 HP, With Wall Shutter.....	6,289.45	1,051.62
23 34 16 00-0222	EA	60" Propeller Exhaust Fan, V-Belt Drive, 35,120 CFM, 3 HP, With Wall Shutter.....	7,564.54	1,348.17
<b>23 34 16 00-0223 Propeller Exhaust Fan Accessories</b> (23 34 16 00-0206)				
23 34 16 00-0224	SF	Hinged Mesh Screen For Wall Propeller Fans, 1" x 1" Frame (SF Of Fan Opening).....	107.89	
23 34 16 00-0225	SF	Galvanized Weather Hood For Wall Propeller Fan (SF Of Fan Opening).....	247.50	
<b>23 34 16 00-0226 Reversible Ceiling Fans</b> (23 34 16 00-0206)				
<b>23 34 16 00-0227 4 Blade Ceiling Fans</b> (23 34 16 00-0226)				
23 34 16 00-0228	EA	42" 4-Blade Ceiling Fan, Three Speed..... <i>For Brass Plated Motor, Add</i> <i>For Light Kit, Add</i>	486.75  20.25 25.90	53.74
<b>23 34 16 00-0229 5 Blade Ceiling Fans</b> (23 34 16 00-0226)				
23 34 16 00-0230	EA	42" 5-Blade Ceiling Fan, Three Speed..... <i>For Brass Plated Motor, Add</i> <i>For Light Kit, Add</i>	532.39  20.25 25.95	133.00
23 34 16 00-0231	EA	52" 5-Blade Ceiling Fan, Three Speed..... <i>For Brass Plated Motor, Add</i> <i>For Light Kit, Add</i>	607.62  20.25 26.06	133.00
<b>23 34 16 00-0232 3 Blade Weatherproof Ceiling Fans</b> (23 34 16 00-0226)				
23 34 16 00-0233	EA	3-Blade Ceiling Fan, Weatherproof, Three Speed.....	506.09	52.06
<b>23 34 16 00-0234 Ceiling Fan Down Rod</b> (23 34 16 00-0226)				
23 34 16 00-0235	EA	1' Ceiling Fan Down Rod.....	19.75	
23 34 16 00-0236	EA	1-1/2' Ceiling Fan Down Rod.....	25.77	
23 34 16 00-0237	EA	2' Ceiling Fan Down Rod.....	28.78	
23 34 16 00-0238	EA	3' Ceiling Fan Down Rod.....	38.47	
23 34 16 00-0239	EA	4' Ceiling Fan Down Rod.....	44.92	
23 34 16 00-0240	EA	5' Ceiling Fan Down Rod.....	55.10	
23 34 16 00-0241	EA	6' Ceiling Fan Down Rod.....	68.81	
<b>23 34 16 00-0242 Exhaust Fans</b> (23 34 16)				
<b>23 34 16 00-0243 Exhaust Fans</b> (23 34 16 00-0242)				
Note: Excludes ducting.				
<b>23 34 16 00-0244 Light Duty Exhaust Fans</b> (23 34 16 00-0243)				
<b>23 34 16 00-0245 Light Duty Exhaust Fans</b> (23 34 16 00-0244)				
23 34 16 00-0246	EA	50 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan Without Light (Broan® 670).....	130.03	43.43
23 34 16 00-0247	EA	70 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan Without Light (Broan® 671).....	137.24	43.43
23 34 16 00-0248	EA	180 CFM, Ceiling Mounted, Polymeric Intake Grille, Vertical Discharge, Light Duty Exhaust Fan Without Light (Broan® 505).....	223.81	43.43
23 34 16 00-0249	EA	350 CFM, Ceiling Mounted, Polymeric Intake Grille, Vertical Discharge, Light Duty Exhaust Fan Without Light (Broan® 504).....	281.70	43.43

MINOR	CSI	UOM	DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0250	EA		160 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Side Discharge, Light Duty Exhaust Fan Without Light (Broan® 503).....		252.31	43.43
23 34 16 00-0251	EA		270 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Side Discharge, Light Duty Exhaust Fan Without Light (Broan® 502).....		334.51	43.43
<b>23 34 16 00-0252</b>	<b>Light Duty Exhaust Fans With Lights (23 34 16 00-0244)</b>					
23 34 16 00-0253	EA		50 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 678).....		168.60	43.43
23 34 16 00-0254	EA		70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 679).....		186.66	43.43
23 34 16 00-0255	EA		100 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 680).....		345.54	43.43
<b>23 34 16 00-0256</b>	<b>Light Duty Exhaust Fans With Heaters (23 34 16 00-0244)</b>					
23 34 16 00-0257	EA		70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater Bulb (Broan® 162).....		172.51	43.43
23 34 16 00-0258	EA		70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater (Broan® 658).....		271.57	43.43
<b>23 34 16 00-0259</b>	<b>Light Duty Exhaust Fans With Heaters And Lights (23 34 16 00-0244)</b>					
23 34 16 00-0260	EA		70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater And Light (Broan® 655).....		288.75	43.43
23 34 16 00-0261	EA		100 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater And Light (Broan® 100HL).....		436.19	43.43
<b>23 34 16 00-0262</b>	<b>Heavy Duty/Continuous Operation Exhaust Fans (23 34 16 00-0243)</b>					
<b>23 34 16 00-0263</b>	<b>Heavy Duty/Continuous Operation Exhaust Fans (23 34 16 00-0262)</b>					
Note: Includes enamel steel or aluminum grille.						
23 34 16 00-0264	EA		50 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD50).....		199.79	43.43
23 34 16 00-0265	EA		80 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD80).....		220.49	43.43
23 34 16 00-0266	EA		109 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L100MG).....		399.70	43.43
23 34 16 00-0267	EA		157 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L150MG).....		409.30	43.43
23 34 16 00-0268	EA		210 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L200MG).....		439.16	43.43
23 34 16 00-0269	EA		259 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L250MG).....		458.25	43.43
23 34 16 00-0270	EA		308 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L300MG).....		465.64	43.43
23 34 16 00-0271	EA		434 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L400).....		532.31	43.43
23 34 16 00-0272	EA		514 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L500).....		605.84	43.43
23 34 16 00-0273	EA		701 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L700).....		647.72	43.43
23 34 16 00-0274	EA		901 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L900).....		770.08	43.43
23 34 16 00-0275	EA		1,513 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L1500).....		988.03	43.43
<b>23 34 16 00-0276</b>	<b>Heavy Duty/Continuous Operation Kitchen Exhaust Fans (23 34 16 00-0262)</b>					
Note: Includes enamel steel or aluminum grille.						
23 34 16 00-0277	EA		308 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L300KMG).....		414.89	43.43
23 34 16 00-0278	EA		434 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L400K).....		600.34	43.43
23 34 16 00-0279	EA		514 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L500K).....		634.68	43.43
<b>23 34 16 00-0280</b>	<b>Heavy Duty/Continuous Operation Exhaust Fans With Lights (23 34 16 00-0262)</b>					
23 34 16 00-0281	EA		50 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan With Light (Broan® HD50L).....		216.74	43.43
23 34 16 00-0282	EA		80 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan With Light (Broan® HD80L).....		236.19	43.43
<b>23 34 16 00-0283</b>	<b>Fire Rated, Heavy Duty/Continuous Operation Exhaust Fans (23 34 16 00-0262)</b>					
23 34 16 00-0284	EA		50 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD50RDF).....		225.28	43.43
23 34 16 00-0285	EA		80 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD80RDF).....		238.16	43.43
23 34 16 00-0286	EA		110 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy Duty/Continuous Operation Exhaust Fan (Broan® 110RDF).....		244.37	43.43
<b>23 34 16 00-0287</b>	<b>Low Sound, Direct Drive, Centrifugal Ceiling Exhaust Fans (23 34 16 00-0243)</b>					
23 34 16 00-0288	EA		900 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A900).....		1,061.31	43.43
23 34 16 00-0289	EA		1050 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1050).....		1,061.31	43.43
23 34 16 00-0290	EA		1410 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1410).....		1,061.31	43.43
23 34 16 00-0291	EA		1550 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1550).....		1,164.24	43.43

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0292			<b>Room-To-Room Exhaust Fans</b> (23 34 16 00-0243)		
23 34 16 00-0293	EA		90 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 512) .....	163.73	43.43
23 34 16 00-0294	EA		180 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 511) .....	268.88	43.43
23 34 16 00-0295	EA		380 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 510) .....	307.19	43.43
23 34 16 00-0296			<b>Through-Wall Exhaust Fans</b> (23 34 16 00-0243)		
23 34 16 00-0297	EA		250 CFM, Wall Mounted, Polymeric Intake Grille, Chain Operated, Through Wall Exhaust Fan (Broan® 507) .....	287.16	43.43
23 34 16 00-0298	EA		470 CFM, Wall Mounted, Polymeric Intake Grille, Chain Operated, Through Wall Exhaust Fan (Broan® 506) .....	339.97	43.43
23 34 16 00-0299	EA		180 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan (Broan® 509) .....	250.85	43.43
23 34 16 00-0300	EA		270 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan (Broan® 508) .....	334.51	43.43
23 34 16 00-0301	EA		360 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan With Motorized Door (Broan® 12C) .....	582.17	43.43
23 34 16 00-0302			<b>Exhaust Fan Accessories</b> (23 34 16 00-0243)		
23 34 16 00-0303			<b>Exhaust Fan Controls</b> (23 34 16 00-0302)		
23 34 16 00-0304	EA		Electronic Variable Speed Control Dial, Single Gang, Exhaust Fan Controls (Broan® 57) .....	158.08	27.15
23 34 16 00-0305	EA		60-Minute Time Control Dial, Single Gang, Exhaust Fan Controls (Broan® 59).....	111.37	27.15
23 34 16 00-0306	EA		60-Minute Time Control Dial With Rocker Switch, Double Gang, Exhaust Fan Controls (Broan® 61) .....	112.48	27.15
23 34 16 00-0307			<b>Roof And Wall Caps For Exhaust Fans</b> (23 34 16 00-0302)		
23 34 16 00-0308			<b>Wall Caps For Exhaust Fans</b> (23 34 16 00-0307)		
23 34 16 00-0309	EA		Aluminum Wall Cap For Up To 12" Duct, Installed On Exterior Walls (Broan® 613) .....	258.45	57.09
23 34 16 00-0310	EA		Aluminum Wall Cap For Up To 18" Duct, Installed On Exterior Walls (Broan® 643) .....	262.13	57.09
23 34 16 00-0311			<b>Roof Caps For Exhaust Fans</b> (23 34 16 00-0307)		
			Note: Includes flashing and built in bird screen.		
23 34 16 00-0312	EA		Aluminum Roof Cap For Up To 8" Duct, Installed On Flat Roofs (Broan® 611) .....	220.50	57.09
23 34 16 00-0313	EA		Aluminum Roof Cap For Up To 12" Duct, Installed On Flat Roofs (Broan® 612) .....	315.99	57.09
23 34 16 00-0314	EA		CRCQ Steel Roof Cap For Up To 4" Duct, Installed On Sloped Roofs (Broan® 636) .....	147.09	57.09
23 34 16 00-0315	EA		CRCQ Steel Roof Cap For Up To 8" Duct, Installed On Sloped Roofs (Broan® 634) .....	175.74	57.09
23 34 16 00-0316			<b>Removal And Reinstallation Of Light Duty Ceiling Exhaust Fan</b> (23 34 16 00-0243)		
			Note: Includes storage and cleaning.		
23 34 16 00-0317	EA		Removal And Reinstallation Of Light Duty Ceiling Exhaust Fan .....	78.87	
<b>23 34 23</b>			<b>HVAC Power Ventilators</b> (23 34)		
23 34 23 00-0001			<b>Power Roof Ventilators</b> (23 34 23)		
23 34 23 00-0002			<b>Direct Drive, Aluminum, Centrifugal Roof Exhausters</b> (23 34 23 00-0001)		
			Note: Greenheck G.		
23 34 23 00-0003	EA		1/25 HP, 310 CFM At 1/4" Static Pressure, 17" x 17" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster.....	667.03	150.38
			Note: Three speed motor.		
			For 12" Roof Curb, Add	180.54	
			For Backdraft Damper, Add	106.58	
			For Solid State Speed Control, Add	91.87	
			For Damper Motor, Add	183.07	
23 34 23 00-0004	EA		1/8 HP, 863 CFM At 1/4" Static Pressure, 17" x 17" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster.....	731.29	170.36
			Note: Three speed motor.		
			For 12" Roof Curb, Add	180.54	
			For Backdraft Damper, Add	106.58	
			For Solid State Speed Control, Add	91.87	
			For Damper Motor, Add	183.07	
23 34 23 00-0005	EA		1/6 HP, 1,213 CFM At 1/4" Static Pressure, 19" x 19" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster.....	1,061.54	198.76
			For 12" Roof Curb, Add	185.07	
			For Backdraft Damper, Add	115.23	
			For Solid State Speed Control, Add	91.87	
			For Damper Motor, Add	183.07	
23 34 23 00-0006	EA		1/4 HP, 1,374 CFM At 1/4" Static Pressure, 19" x 19" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster.....	1,091.10	223.99
			For 12" Roof Curb, Add	185.07	
			For Backdraft Damper, Add	115.23	
			For Solid State Speed Control, Add	91.87	
			For Damper Motor, Add	183.07	
23 34 23 00-0007	EA		1/3 HP, 1,905 CFM At 1/4" Static Pressure, 22" x 22" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster.....	1,409.08	247.13
			For Solid State Speed Control, Add	91.87	
			For Damper Motor, Add	183.07	
23 34 23 00-0008	EA		1/2 HP, 3,072 CFM At 1/4" Static Pressure, 22" x 22" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster.....	1,597.69	262.91
			For 12" Roof Curb, Add	192.63	
			For Backdraft Damper, Add	130.71	
			For Solid State Speed Control, Add	138.75	
			For Damper Motor, Add	183.07	
23 34 23 00-0009			<b>Belt Drive, Aluminum, Centrifugal Roof Exhausters</b> (23 34 23 00-0001)		
			Note: Greenheck GB.		
23 34 23 00-0010	EA		1/4 HP, 1,556 CFM At 1/4" Static Pressure, 19" x 19" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....	1,528.94	223.99
			For 12" Roof Curb, Add	185.07	
			For Backdraft Damper, Add	115.23	
			For Damper Motor, Add	183.07	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 23 00-0011	EA		1/3 HP, 1,966 CFM At 1/4" Static Pressure, 22" x 22" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....	1,670.99	284.99
			For 12" Roof Curb, Add	192.63	
			For Backdraft Damper, Add	130.71	
			For Damper Motor, Add	183.07	
23 34 23 00-0012	EA		1/2 HP, 2,943 CFM At 1/4" Static Pressure, 22" x 22" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....	2,283.73	339.68
			For 12" Roof Curb, Add	192.63	
			For Backdraft Damper, Add	130.71	
			For Damper Motor, Add	183.07	
23 34 23 00-0013	EA		3/4 HP, 4,289 CFM At 1/4" Static Pressure, 30" x 30" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....	2,918.60	420.65
			For 12" Roof Curb, Add	228.93	
			For Backdraft Damper, Add	161.52	
			For Damper Motor, Add	183.07	
23 34 23 00-0014	EA		1 HP, 6,157 CFM At 1/4" Static Pressure, 34" x 34" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....	3,863.38	525.81
			For 12" Roof Curb, Add	245.56	
			For Backdraft Damper, Add	175.29	
			For Damper Motor, Add	183.07	
23 34 23 00-0015	EA		1-1/2 HP, 8,906 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....	4,522.12	657.26
			For 12" Roof Curb, Add	271.27	
			For Backdraft Damper, Add	194.16	
			For Damper Motor, Add	183.07	
23 34 23 00-0016	EA		2 HP, 10,059 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....	4,558.41	657.26
			For 12" Roof Curb, Add	271.27	
			For Backdraft Damper, Add	194.16	
			For Damper Motor, Add	183.07	
23 34 23 00-0017	EA		3 HP, 11,703 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....	4,950.10	657.26
			For 12" Roof Curb, Add	271.27	
			For Backdraft Damper, Add	194.16	
			For Damper Motor, Add	183.07	
23 34 23 00-0018	EA		5 HP, 13,897 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....	5,624.20	657.26
			For 12" Roof Curb, Add	271.27	
			For Backdraft Damper, Add	194.16	
			For Damper Motor, Add	183.07	
23 34 23 00-0019	<b>Propeller Exhaust Fans, Roof Mounted Upblast (23 34 23 00-0001)</b>				
	Note: Includes back draft damper and birdscreen and curb.				
23 34 23 00-0020	EA		30,300 CFM Belt Drive 5 HP Propeller Exhaust Fan, Roof Mounted, 3/8" Static Pressure .....	7,060.39	808.70
23 34 23 00-0021	EA		36,000 CFM Belt Drive 15 HP Propeller Exhaust Fan, Roof Mounted, 1/2" Static Pressure .....	11,544.43	1,051.31
23 34 23 00-0022	<b>Belt Drive Supply Fans (23 34 23 00-0001)</b>				
23 34 23 00-0023	EA		4,500 CFM, 24" x 24" Supply Fan, Roof Mounted .....	2,799.20	419.91
23 34 23 00-0024	EA		10,000 CFM, 36" x 36" Supply Fan, Roof Mounted .....	3,779.22	525.71
23 34 23 00-0025	<b>Fan Thermostat (23 34 23 00-0001)</b>				
23 34 23 00-0026	EA		50 To 120 Degree Line Voltage Fan Thermostat.....	123.13	
23 34 23 00-0027	<b>Power Wall Ventilators (23 34 23)</b>				
23 34 23 00-0028	<b>Centrifugal Sidewall Exhausters (23 34 23 00-0027)</b>				
23 34 23 00-0029	<b>Direct Drive, Aluminum, Centrifugal Sidewall Exhauster (23 34 23 00-0028)</b>				
	Note: Greenheck CW.				
23 34 23 00-0030	EA		1/25 HP, 297 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster .....	862.39	169.31
			For Solid State Speed Control, Add	138.75	
			For Backdraft Damper, Add	140.40	
			For Damper Motor, Add	302.95	
			For Interior Wall Grill, Add	101.24	
23 34 23 00-0031	EA		1/8 HP, 861 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster .....	988.15	198.76
			For Solid State Speed Control, Add	138.75	
			For Backdraft Damper, Add	155.87	
			For Damper Motor, Add	302.95	
			For Interior Wall Grill, Add	120.43	
23 34 23 00-0032	EA		1/6 HP, 1,179 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster .....	1,505.75	223.99
			For Solid State Speed Control, Add	138.75	
			For Backdraft Damper, Add	176.45	
			For Damper Motor, Add	302.95	
			For Interior Wall Grill, Add	139.62	
23 34 23 00-0033	<b>Belt Drive, Aluminum, Centrifugal Sidewall Exhausters (23 34 23 00-0028)</b>				
	Note: Greenheck CWB.				
23 34 23 00-0034	EA		1/4 HP, 1,633 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster .....	1,908.93	126.48
			For Solid State Speed Control, Add	138.75	
			For Backdraft Damper, Add	165.65	
			For Damper Motor, Add	302.95	
			For Interior Wall Grill, Add	211.75	
23 34 23 00-0035	EA		1/2 HP, 2,291 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster .....	2,019.47	142.43
			For Solid State Speed Control, Add	138.75	
			For Backdraft Damper, Add	165.65	
			For Damper Motor, Add	302.95	
			For Interior Wall Grill, Add	211.75	
23 34 23 00-0036	EA		3/4 HP, 3,646 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster .....	2,476.37	162.93
			For Solid State Speed Control, Add	138.75	
			For Backdraft Damper, Add	206.23	
			For Damper Motor, Add	302.95	
			For Interior Wall Grill, Add	246.07	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 34 HVAC Fans**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST
**23 34 33 Air Curtains** (23 34)23 34 33 00-0001 Unheated Air Curtains For Entrances (23 34 33)23 34 33 00-0002 Unheated Air Curtains, Standard Velocity (23 34 33 00-0001)

23 34 33 00-0003	EA	Air Curtain For 3' x 8' - 10' Personnel Entrance, Unheated.....	2,208.71	770.84
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	163.23	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	444.34	
		For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	330.08	
		For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	507.82	
		For Flat Side Extension Plates, Add	148.58	
		For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	
23 34 33 00-0004	EA	Air Curtain For 3.5' x 8' - 10' Personnel Entrance, Unheated.....	2,239.30	770.84
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	163.23	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	444.34	
		For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	330.08	
		For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	507.82	
		For Flat Side Extension Plates, Add	148.58	
		For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	
23 34 33 00-0005	EA	Air Curtain For 4' x 8' - 10' Personnel Entrance, Unheated.....	2,272.45	770.84
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	163.23	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	444.34	
		For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	330.08	
		For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	507.82	
		For Flat Side Extension Plates, Add	148.58	
		For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	
23 34 33 00-0006	EA	Air Curtain For 5' x 8' - 10' Personnel Entrance, Unheated.....	2,820.61	770.84
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	163.23	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	444.34	
		For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	330.08	
		For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	507.82	
		For Flat Side Extension Plates, Add	148.58	
		For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	
23 34 33 00-0007	EA	Air Curtain For 6' x 8' - 10' Personnel Entrance, Unheated.....	3,202.18	925.42
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	163.23	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	444.34	
		For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	330.08	
		For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	507.82	
		For Flat Side Extension Plates, Add	148.58	
		For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	
23 34 33 00-0008	EA	Air Curtain For 7' x 8' - 10' Personnel Entrance, Unheated.....	3,393.40	925.42
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	163.23	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	444.34	
		For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	330.08	
		For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	507.82	
		For Flat Side Extension Plates, Add	148.58	
		For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	
23 34 33 00-0009	EA	Air Curtain For 8' x 8' - 10' Personnel Entrance, Unheated.....	3,762.09	1,067.40
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	163.23	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	444.34	
		For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	330.08	
		For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	507.82	
		For Flat Side Extension Plates, Add	148.58	
		For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	
23 34 33 00-0010	EA	Air Curtain For 9' x 8' - 10' Personnel Entrance, Unheated.....	4,525.70	1,067.40
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	163.23	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	444.34	
		For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	330.08	
		For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	507.82	
		For Flat Side Extension Plates, Add	148.58	
		For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST	UNIT COST
23 34 33 00-0011	EA Air Curtain For 10' x 8' - 10' Personnel Entrance, Unheated.....		4,622.58		1,067.40
	Note: Includes housing, mounting brackets and manual controls.				
	For Door Limit Switch, Combination Roller And Plunger, Add		163.23		
	For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 10, Add		444.34		
	For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 10		330.08		
	For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 10, Add		507.82		
	For Flat Side Extension Plates, Add		148.58		
	For Clearance Adjustable-Angle Mounting Bracket, Add		297.16		
	For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add		356.59		
	For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add		376.40		
23 34 33 00-0012	EA Air Curtain For 12' x 8' - 10' Personnel Entrance, Unheated.....		4,880.09		1,067.40
	Note: Includes housing, mounting brackets and manual controls.				
	For Door Limit Switch, Combination Roller And Plunger, Add		163.23		
	For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 10, Add		444.34		
	For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 10		330.08		
	For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 10, Add		507.82		
	For Flat Side Extension Plates, Add		148.58		
	For Clearance Adjustable-Angle Mounting Bracket, Add		297.16		
	For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add		356.59		
	For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add		376.40		
<b>23 34 33 00-0013</b>	<b>Unheated Air Curtains, High Velocity</b> (23 34 33 00-0001)				
23 34 33 00-0014	EA High Velocity Air Curtain For 3' x 10' - 12' Entrance, Unheated.....		2,716.08		770.84
	Note: Includes housing, mounting brackets and manual controls.				
	For Door Limit Switch, Combination Roller And Plunger, Add		163.23		
	For Industrial Floor-Mounted Magnetic Reed Switch Only, Add		297.16		
	For Flat Side Extension Plates, Add		148.58		
	For Clearance Adjustable-Angle Mounting Bracket, Add		297.16		
	For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add		356.59		
	For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add		376.40		
23 34 33 00-0015	EA High Velocity Air Curtain For 3.5' x 10' - 12' Entrance, Unheated.....		2,755.60		770.84
	Note: Includes housing, mounting brackets and manual controls.				
	For Door Limit Switch, Combination Roller And Plunger, Add		163.23		
	For Industrial Floor-Mounted Magnetic Reed Switch Only, Add		297.16		
	For Flat Side Extension Plates, Add		148.58		
	For Clearance Adjustable-Angle Mounting Bracket, Add		297.16		
	For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add		356.59		
	For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add		376.40		
23 34 33 00-0016	EA High Velocity Air Curtain For 4' x 10' - 12' Entrance, Unheated.....		2,772.17		770.84
	Note: Includes housing, mounting brackets and manual controls.				
	For Door Limit Switch, Combination Roller And Plunger, Add		163.23		
	For Industrial Floor-Mounted Magnetic Reed Switch Only, Add		297.16		
	For Flat Side Extension Plates, Add		148.58		
	For Clearance Adjustable-Angle Mounting Bracket, Add		297.16		
	For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add		356.59		
	For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add		376.40		
23 34 33 00-0017	EA High Velocity Air Curtain For 5' x 10' - 12' Entrance, Unheated.....		2,804.04		770.84
	Note: Includes housing, mounting brackets and manual controls.				
	For Door Limit Switch, Combination Roller And Plunger, Add		163.23		
	For Industrial Floor-Mounted Magnetic Reed Switch Only, Add		297.16		
	For Flat Side Extension Plates, Add		148.58		
	For Clearance Adjustable-Angle Mounting Bracket, Add		297.16		
	For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add		356.59		
	For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add		376.40		
23 34 33 00-0018	EA High Velocity Air Curtain For 6' x 10' - 12' Entrance, Unheated.....		4,364.80		925.42
	Note: Includes housing, mounting brackets and manual controls.				
	For Door Limit Switch, Combination Roller And Plunger, Add		163.23		
	For Industrial Floor-Mounted Magnetic Reed Switch Only, Add		297.16		
	For Flat Side Extension Plates, Add		148.58		
	For Clearance Adjustable-Angle Mounting Bracket, Add		297.16		
	For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add		356.59		
	For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add		376.40		
23 34 33 00-0019	EA High Velocity Air Curtain For 7' x 10' - 12' Entrance, Unheated.....		4,561.11		925.42
	Note: Includes housing, mounting brackets and manual controls.				
	For Door Limit Switch, Combination Roller And Plunger, Add		163.23		
	For Industrial Floor-Mounted Magnetic Reed Switch Only, Add		297.16		
	For Flat Side Extension Plates, Add		148.58		
	For Clearance Adjustable-Angle Mounting Bracket, Add		297.16		
	For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add		356.59		
	For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add		376.40		
23 34 33 00-0020	EA High Velocity Air Curtain For 8' x 10' - 12' Entrance, Unheated.....		4,857.15		1,067.40
	Note: Includes housing, mounting brackets and manual controls.				
	For Door Limit Switch, Combination Roller And Plunger, Add		163.23		
	For Industrial Floor-Mounted Magnetic Reed Switch Only, Add		297.16		
	For Flat Side Extension Plates, Add		148.58		
	For Clearance Adjustable-Angle Mounting Bracket, Add		297.16		
	For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add		356.59		
	For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add		376.40		
23 34 33 00-0021	EA High Velocity Air Curtain For 9' x 10' - 12' Entrance, Unheated.....		5,536.62		1,067.40
	Note: Includes housing, mounting brackets and manual controls.				
	For Door Limit Switch, Combination Roller And Plunger, Add		163.23		
	For Industrial Floor-Mounted Magnetic Reed Switch Only, Add		297.16		
	For Flat Side Extension Plates, Add		148.58		
	For Clearance Adjustable-Angle Mounting Bracket, Add		297.16		
	For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add		356.59		
	For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add		376.40		

## 23 Heating, Ventilating, and Air-Conditioning (HVAC)

## 23 30 HVAC Air Distribution

## 23 34 HVAC Fans

		MINOR	TOTAL DIRECT	DEMOLITION
		CSI UOM DESCRIPTION	UNIT COST	UNIT COST
23 34 33 00-0022	EA	High Velocity Air Curtain For 10' x 10' - 12' Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Industrial Floor-Mounted Magnetic Reed Switch Only, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	5,608.00 163.23 297.16 148.58 297.16 356.59 376.40	1,067.40
23 34 33 00-0023	EA	High Velocity Air Curtain For 12' x 10' - 12' Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Industrial Floor-Mounted Magnetic Reed Switch Only, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	5,885.91 163.23 297.16 148.58 297.16 356.59 376.40	1,067.40
<b>23 34 33 00-0024</b>		<b>Service Window Unheated Air Curtains</b> (23 34 33 00-0001) Note: Normal window sizes.		
23 34 33 00-0025	EA	Air Curtain For 2.5' x 5' Service Window, Unheated ..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	1,882.30 163.23 148.58 297.16 356.59 376.40	607.84
<b>23 34 33 00-0026</b>		<b>Heated Air Curtains For Entrances</b> (23 34 33) Note: Includes housing, mounting brackets and manual controls.		
23 34 33 00-0027	EA	60" Heated Air Curtain With 1- 300 MBH Heater ..... For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	3,644.48 163.23 148.58 297.16 356.59 376.40	678.82
23 34 33 00-0028	EA	60" Heated Air Curtain With 1- 400 MBH Heater ..... For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	3,949.35 163.23 148.58 297.16 356.59 376.40	678.82
23 34 33 00-0029	EA	72" Heated Air Curtain With 1- 350 MBH Heater ..... For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	4,372.70 163.23 148.58 297.16 356.59 376.40	814.49
23 34 33 00-0030	EA	72" Heated Air Curtain With 2- 250 MBH Heaters ..... For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	4,738.54 163.23 148.58 297.16 356.59 376.40	814.49
23 34 33 00-0031	EA	96" Heated Air Curtain With 1- 400 MBH Heater ..... For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	5,829.37 163.23 148.58 297.16 356.59 376.40	1,085.80
23 34 33 00-0032	EA	96" Heated Air Curtain With 2- 350 MBH Heaters ..... For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	6,317.16 163.23 148.58 297.16 356.59 376.40	1,085.80
23 34 33 00-0033	EA	117" Heated Air Curtain With 2- 300 MBH Heaters ..... For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	7,103.61 163.23 148.58 297.16 356.59 376.40	1,322.94
23 34 33 00-0034	EA	117" Heated Air Curtain With 2- 400 MBH Heaters ..... For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	7,698.10 163.23 148.58 297.16 356.59 376.40	1,322.94
23 34 33 00-0035	EA	147" Heated Air Curtain With 2- 350 MBH Heaters ..... For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	8,925.63 163.23 148.58 297.16 356.59 376.40	1,662.08
23 34 33 00-0036	EA	147" Heated Air Curtain With 3- 350 MBH Heaters ..... For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	10,404.23 163.23 148.58 297.16 356.59 376.40	1,662.08



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 34 33 00-0037	EA		168" Heated Air Curtain With 2- 400 MBH Heaters ..... <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	10,201.41 163.23 148.58 297.16 356.59 376.40	1,899.75
23 34 33 00-0038	EA		168" Heated Air Curtain With 3- 400 MBH Heaters ..... <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	11,890.88 163.23 148.58 297.16 356.59 376.40	1,899.75
23 34 33 00-0039	EA		192" Heated Air Curtain With 2- 400 MBH Heaters ..... <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	11,655.17 163.23 148.58 297.16 356.59 376.40	2,171.07
23 34 33 00-0040	EA		192" Heated Air Curtain With 4- 350 MBH Heaters ..... <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	13,586.00 163.23 148.58 297.16 356.59 376.40	2,171.07

**23 35 Special Exhaust Systems** (23 30)

See CSI section 23 31 13 16-0075 for spiral duct/piping.

**23 35 13 Dust Collection Systems** (23 35)

**23 35 13 13 Sawdust Collection Systems** (23 35 13)

**23 35 13 13-0001 Dust Collector System** (23 35 13 13)

23 35 13 13-0002	EA		1.5 HP Dust Collector Central Vacuum Unit ..... <i>Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.</i>	3,888.79	911.54
23 35 13 13-0003	EA		2 HP Dust Collector Central Vacuum Unit ..... <i>Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.</i>	4,373.32	1,082.45
23 35 13 13-0004	EA		2-1/2 HP Dust Collector Central Vacuum Unit ..... <i>Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.</i>	5,243.78	1,253.37
23 35 13 13-0005	EA		3 HP Dust Collector Central Vacuum Unit ..... <i>Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.</i>	5,992.68	1,481.25
23 35 13 13-0006	EA		5 HP Dust Collector Central Vacuum Unit ..... <i>Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.</i>	12,287.22	1,678.21
23 35 13 13-0007	EA		7-1/2 HP Dust Collector Central Vacuum Unit ..... <i>Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.</i>	14,889.89	1,957.91
23 35 13 13-0008	EA		10 HP Dust Collector Central Vacuum Unit ..... <i>Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.</i>	17,054.68	2,237.62
23 35 13 13-0009	EA		15 HP Dust Collector Central Vacuum Unit ..... <i>Note: Includes fan bower, stand, cyclone, filter, silencer and two 55 gallon fiber drum dust bin.</i>	19,189.85	2,573.25
23 35 13 13-0010	EA		20 HP Dust Collector Central Vacuum Unit ..... <i>Note: Includes fan bower, stand, cyclone, filter, silencer and two 55 gallon fiber drum dust bin.</i>	21,421.50	2,908.90

**23 35 13 13-0011 Vacuum Tubing And Accessories** (23 35 13 13)

**23 35 13 13-0012 Vacuum Tubing** (23 35 13 13-0011)

**23 35 13 13-0013 Flexible Hose** (23 35 13 13-0012)

23 35 13 13-0014	LF		2" Flexible Hose.....	10.85	1.89
23 35 13 13-0015	LF		3" Flexible Hose.....	12.95	2.11
23 35 13 13-0016	LF		4" Flexible Hose.....	14.06	2.32

**23 35 13 13-0017 Galvanized Vacuum Tubing** (23 35 13 13-0012)

23 35 13 13-0018	LF		2-1/8" Outside Diameter Vacuum Tubing, Galvanized.....	9.67	1.89
23 35 13 13-0019	LF		2-1/2" Outside Diameter Vacuum Tubing, Galvanized.....	10.82	2.00
23 35 13 13-0020	LF		3" Outside Diameter Vacuum Tubing, Galvanized.....	12.85	2.11
23 35 13 13-0021	LF		3-1/2" Outside Diameter Vacuum Tubing, Galvanized.....	16.67	2.21
23 35 13 13-0022	LF		4" Outside Diameter Vacuum Tubing, Galvanized.....	17.14	2.32
23 35 13 13-0023	LF		5" Outside Diameter Vacuum Tubing, Galvanized.....	28.25	2.63
23 35 13 13-0024	LF		6" Outside Diameter Vacuum Tubing, Galvanized.....	31.84	3.05
23 35 13 13-0025	LF		8" Outside Diameter Vacuum Tubing, Galvanized.....	43.09	4.20
23 35 13 13-0026	LF		10" Outside Diameter Vacuum Tubing, Galvanized.....	50.51	5.26
23 35 13 13-0027	LF		12" Outside Diameter Vacuum Tubing, Galvanized.....	125.23	6.94

**23 35 13 13-0028 Vacuum Fittings, Galvanized** (23 35 13 13-0011)

**23 35 13 13-0029 90 Degree Elbow** (23 35 13 13-0028)

23 35 13 13-0030	EA		2-1/8" 90 Degree Elbow, Vacuum Tubing, Galvanized.....	48.85	12.09
23 35 13 13-0031	EA		2-1/2" 90 Degree Elbow, Vacuum Tubing, Galvanized.....	60.20	12.94
23 35 13 13-0032	EA		3" 90 Degree Elbow, Vacuum Tubing, Galvanized.....	74.79	14.09
23 35 13 13-0033	EA		3-1/2" 90 Degree Elbow, Vacuum Tubing, Galvanized.....	88.08	15.25
23 35 13 13-0034	EA		4" 90 Degree Elbow, Vacuum Tubing, Galvanized.....	104.77	16.83
23 35 13 13-0035	EA		5" 90 Degree Elbow, Vacuum Tubing, Galvanized.....	172.05	18.72
23 35 13 13-0036	EA		6" 90 Degree Elbow, Vacuum Tubing, Galvanized.....	227.90	21.03
23 35 13 13-0037	EA		8" 90 Degree Elbow, Vacuum Tubing, Galvanized.....	407.82	28.07

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 35 Special Exhaust Systems**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

<b>23 35 13 13-0038</b>	<b>45 Degree Elbow</b> <small>(23 35 13 13-0028)</small>		
23 35 13 13-0039	EA 2-1/8" 45 Degree Elbow, Vacuum Tubing, Galvanized.....	45.86	12.09
23 35 13 13-0040	EA 2-1/2" 45 Degree Elbow, Vacuum Tubing, Galvanized.....	57.73	12.94
23 35 13 13-0041	EA 3" 45 Degree Elbow, Vacuum Tubing, Galvanized.....	66.50	14.09
23 35 13 13-0042	EA 3-1/2" 45 Degree Elbow, Vacuum Tubing, Galvanized.....	78.74	15.25
23 35 13 13-0043	EA 4" 45 Degree Elbow, Vacuum Tubing, Galvanized.....	96.13	16.83
23 35 13 13-0044	EA 5" 45 Degree Elbow, Vacuum Tubing, Galvanized.....	142.09	18.72
23 35 13 13-0045	EA 6" 45 Degree Elbow, Vacuum Tubing, Galvanized.....	183.84	21.03
23 35 13 13-0046	EA 8" 45 Degree Elbow, Vacuum Tubing, Galvanized.....	333.80	28.07
<b>23 35 13 13-0047</b>	<b>Wye</b> <small>(23 35 13 13-0028)</small>		
23 35 13 13-0048	EA 2-1/8" Wye, Vacuum Tubing, Galvanized.....	88.39	19.98
23 35 13 13-0049	EA 2-1/2" Wye, Vacuum Tubing, Galvanized.....	105.80	21.55
23 35 13 13-0050	EA 3" Wye, Vacuum Tubing, Galvanized.....	128.65	23.14
23 35 13 13-0051	EA 3-1/2" Wye, Vacuum Tubing, Galvanized.....	155.91	25.77
23 35 13 13-0052	EA 4" Wye, Vacuum Tubing, Galvanized.....	206.89	27.87
23 35 13 13-0053	EA 5" Wye, Vacuum Tubing, Galvanized.....	347.23	31.03
23 35 13 13-0054	EA 6" Wye, Vacuum Tubing, Galvanized.....	459.18	35.23
23 35 13 13-0055	EA 8" Wye, Vacuum Tubing, Galvanized.....	902.71	38.38
23 35 13 13-0056	EA 10" Wye, Vacuum Tubing, Galvanized.....	1,248.57	42.06
23 35 13 13-0057	EA 12" Wye, Vacuum Tubing, Galvanized.....	1,576.47	47.11
<b>23 35 13 13-0058</b>	<b>Reducer</b> <small>(23 35 13 13-0028)</small>		
23 35 13 13-0059	EA 3" Reducer, Vacuum Tubing, Galvanized.....	50.63	14.09
23 35 13 13-0060	EA 4" Reducer, Vacuum Tubing, Galvanized.....	56.26	15.25
23 35 13 13-0061	EA 5" Reducer, Vacuum Tubing, Galvanized.....	70.73	16.83
23 35 13 13-0062	EA 6" Reducer, Vacuum Tubing, Galvanized.....	76.37	18.72
23 35 13 13-0063	EA 8" Reducer, Vacuum Tubing, Galvanized.....	89.24	21.03
<b>23 35 13 13-0064</b>	<b>Air Gate Valve, Galvanized</b> <small>(23 35 13 13-0011)</small>		
23 35 13 13-0065	EA 2-1/8" Air Gate Valve, Vacuum Tubing, Galvanized.....	341.00	28.07
23 35 13 13-0066	EA 2-1/2" Air Gate Valve, Vacuum Tubing, Galvanized.....	357.28	29.97
23 35 13 13-0067	EA 3" Air Gate Valve, Vacuum Tubing, Galvanized.....	410.19	32.29
23 35 13 13-0068	EA 3-1/2" Air Gate Valve, Vacuum Tubing, Galvanized.....	466.94	34.49
23 35 13 13-0069	EA 4" Air Gate Valve, Vacuum Tubing, Galvanized.....	526.15	36.60
23 35 13 13-0070	EA 5" Air Gate Valve, Vacuum Tubing, Galvanized.....	621.10	41.75
23 35 13 13-0071	EA 6" Air Gate Valve, Vacuum Tubing, Galvanized.....	715.14	46.80
<b>23 35 16 Engine Exhaust Systems</b> <small>(23 35)</small>			
<b>23 35 16 16 Mechanical Engine Exhaust Systems</b> <small>(23 35 16)</small>			
<b>23 35 16 16-0001</b>	<b>Overhead Tailpipe Exhaust System</b> <small>(23 35 16 16)</small>		
<b>23 35 16 16-0002</b>	<b>Overhead Tailpipe Exhaust Blowers</b> <small>(23 35 16 16-0001)</small>		
<b>23 35 16 16-0003</b>	<b>Overhead Direct Drive Tailpipe Exhaust Blowers</b> <small>(23 35 16 16-0002)</small>		
23 35 16 16-0004	EA 495 CFM 1/3 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System.....	3,074.89	223.99
23 35 16 16-0005	EA 1,445 CFM 3/4 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System.....	3,588.95	457.46
23 35 16 16-0006	EA 1,840 CFM 1-1/2 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System.....	4,982.50	554.21
<b>23 35 16 16-0007</b>	<b>Overhead Belt Drive Tailpipe Exhaust Blowers</b> <small>(23 35 16 16-0002)</small>		
23 35 16 16-0008	EA 1,400 CFM 1 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	3,491.40	457.46
23 35 16 16-0009	EA 2,023 CFM 1-1/2 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	3,729.49	554.21
23 35 16 16-0010	EA 2,750 CFM 2 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	4,496.93	877.05
23 35 16 16-0011	EA 4,400 CFM 3 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	5,512.15	1,131.55
23 35 16 16-0012	EA 7,060 CFM 5 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	6,953.89	1,348.17
<b>23 35 16 16-0013</b>	<b>Spiral Exhaust Duct Accessories</b> <small>(23 35 16 16-0001)</small>		
<b>23 35 16 16-0014</b>	<b>Flex Hose x Length</b> <small>(23 35 16 16-0013)</small>		
	Note: Includes duct coupler, damper and tailpipe adapter.		
23 35 16 16-0015	EA 3" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	154.57	55.74
23 35 16 16-0016	EA 3" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	134.54	55.74
23 35 16 16-0017	EA 4" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	237.90	88.34
23 35 16 16-0018	EA 4" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	204.43	88.34
23 35 16 16-0019	EA 5" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	342.27	139.87
23 35 16 16-0020	EA 5" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	330.29	139.87
23 35 16 16-0021	EA 6" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	525.47	221.90
23 35 16 16-0022	EA 6" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	500.27	221.90
<b>23 35 16 16-0023</b>	<b>Flex Hose With Duct Coupler, Damper And Diesel Exhaust Adapter</b> <small>(23 35 16 16-0013)</small>		
23 35 16 16-0024	EA 4" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	170.54	55.74
23 35 16 16-0025	EA 5" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	249.56	88.34
23 35 16 16-0026	EA 4" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	147.47	55.74
23 35 16 16-0027	EA 5" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	215.33	88.34

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 35 16 16-0028	EA		6" x 25' High Pressure, Stainless Steel Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	1,232.84	75.08
23 35 16 16-0029	EA		8" x 15' Heat-Resistant Fabric Flex Hose (650 Degree F.) With Duct Coupler, Damper And Tail-Pipe Adapter.....	1,099.58	137.76
23 35 16 16-0030	EA		10" x 15' Heat-Resistant Fabric Flex Hose (650 Degree F.) With Duct Coupler, Damper And Tail-Pipe Adapter.....	1,208.06	137.76
23 35 16 16-0031	LF		8" Heat-Resistant Fabric Flex Hose (650 Degree F.).....	58.88	10.72
23 35 16 16-0032	LF		10" Heat-Resistant Fabric Flex Hose (650 Degree F.).....	65.55	10.72

**23 35 16 16-0033 Flexible Hose** (23 35 16 16-0013)

23 35 16 16-0034	LF		3" Stainless Steel Flexible Tubing.....	34.32	2.63
23 35 16 16-0035	LF		4" Stainless Steel Flexible Tubing.....	43.62	2.94
23 35 16 16-0036	LF		5" Stainless Steel Flexible Tubing.....	51.78	3.05
23 35 16 16-0037	LF		6" Stainless Steel Flexible Tubing.....	61.06	3.26
23 35 16 16-0038	LF		3" Galvanized Flexible Tubing.....	19.38	2.63
23 35 16 16-0039	LF		4" Galvanized Flexible Tubing.....	22.72	2.94
23 35 16 16-0040	LF		5" Galvanized Flexible Tubing.....	26.00	3.05
23 35 16 16-0041	LF		6" Galvanized Flexible Tubing.....	28.96	3.26

**23 35 16 16-0042 Accessories** (23 35 16 16-0001)

23 35 16 16-0043	EA		3" Tail Pipe Adapter.....	48.88	7.89
23 35 16 16-0044	EA		4" Tail Pipe Adapter.....	50.20	7.89
23 35 16 16-0045	EA		5" Tail Pipe Adapter.....	53.64	8.94
23 35 16 16-0046	EA		3" Bullnose (Guide).....	27.44	5.26
23 35 16 16-0047	EA		4" Bullnose (Guide).....	29.23	5.78
23 35 16 16-0048	EA		5" Bullnose (Guide).....	31.24	6.31
23 35 16 16-0049	EA		Flex-Hose Winch And Associated Hardware.....	208.36	59.63
23 35 16 16-0050	LF		Flex-Hose Winch Cable, 1/8" Galvanized Wire Rope.....	0.11	

**23 35 19 Fume Exhaust Systems** (23 35)

23 35 19 00-0001	EA		Fume Exhauster, 1 1/2 HP 630 CFM With Out Hose And Intake Nozzle.....	2,210.56	420.33
23 35 19 00-0002	EA		Hose Extension Kit 5'.....	373.80	93.38

**23 36 Air Terminal Units** (23 30)

**23 36 13 Constant-Air-Volume Units** (23 36)

**23 36 13 00-0001 Vertical Units, With Electric Heating Coils** (23 36 13)

23 36 13 00-0002	EA		60 CFM Vertical Induction Unit, With Electric Heating Coils.....	1,431.40	142.57
23 36 13 00-0003	EA		90 CFM Vertical Induction Unit, With Electric Heating Coils.....	1,717.91	153.54
23 36 13 00-0004	EA		120 CFM Vertical Induction Unit, With Electric Heating Coils.....	1,831.69	159.03
23 36 13 00-0005	EA		150 CFM Vertical Induction Unit, With Electric Heating Coils.....	1,956.45	169.99
23 36 13 00-0006	EA		175 CFM Vertical Induction Unit, With Electric Heating Coils.....	2,203.28	175.47

**23 36 13 00-0007 Horizontal Units, With Electric Heating Coils** (23 36 13)

23 36 13 00-0008	EA		60 CFM Horizontal Induction Unit, With Electric Heating Coils.....	1,219.85	142.57
23 36 13 00-0009	EA		90 CFM Horizontal Induction Unit, With Electric Heating Coils.....	1,453.33	153.54
23 36 13 00-0010	EA		120 CFM Horizontal Induction Unit, With Electric Heating Coils.....	1,729.29	161.77

**23 36 13 00-0011 Duct Boxes, Constant Volume Control** (23 36 13)

**23 36 13 00-0012 Single Duct Boxes, Constant Volume Control** (23 36 13 00-0011)

23 36 13 00-0013	EA		4 - 6" Diameter Inlet, 50 - 240 CFM, Single Duct Boxes, Constant Volume Control.....	1,290.02	43.29
			<i>For Boxes With Motor, Add</i>	223.82	
23 36 13 00-0014	EA		6 - 8" Diameter Inlet, 100 - 480 CFM, Single Duct Boxes, Constant Volume Control.....	1,427.88	46.72
			<i>For Boxes With Motor, Add</i>	248.28	
23 36 13 00-0015	EA		7 - 10" Diameter Inlet, 150 - 720 CFM, Single Duct Boxes, Constant Volume Control.....	1,483.21	51.27
			<i>For Boxes With Motor, Add</i>	255.62	
23 36 13 00-0016	EA		9 - 12" Diameter Inlet, 200 - 960 CFM, Single Duct Boxes, Constant Volume Control.....	1,510.09	53.55
			<i>For Boxes With Motor, Add</i>	259.29	
23 36 13 00-0017	EA		12" Diameter Inlet, 250 - 1,200 CFM, Single Duct Boxes, Constant Volume Control.....	1,532.19	59.25
			<i>For Boxes With Motor, Add</i>	259.29	
23 36 13 00-0018	EA		14" Diameter Inlet, 350 - 1,680 CFM, Single Duct Boxes, Constant Volume Control.....	1,752.39	66.09
			<i>For Boxes With Motor, Add</i>	297.21	
23 36 13 00-0019	EA		16" Diameter Inlet, 450 - 2,160 CFM, Single Duct Boxes, Constant Volume Control.....	1,838.31	74.06
			<i>For Boxes With Motor, Add</i>	308.21	
23 36 13 00-0020	EA		20" x 16" Inlet, 550 - 2,640 CFM, Single Duct Boxes, Constant Volume Control.....	1,950.26	88.88
			<i>For Boxes With Motor, Add</i>	319.33	
23 36 13 00-0021	EA		24" x 16" Inlet, 650 - 3,120 CFM, Single Duct Boxes, Constant Volume Control.....	2,061.33	102.55
			<i>For Boxes With Motor, Add</i>	330.23	

**23 36 13 00-0022 Dual Duct Boxes, Constant Volume Control** (23 36 13 00-0011)

23 36 13 00-0023	EA		4 - 6" Diameter Inlet, 50 - 240 CFM, Dual Duct Boxes, Constant Volume Control.....	1,816.49	43.29
			<i>For Boxes With Motor, Add</i>	329.12	
23 36 13 00-0024	EA		6 - 8" Diameter Inlet, 100 - 480 CFM, Dual Duct Boxes, Constant Volume Control.....	1,943.13	46.72
			<i>For Boxes With Motor, Add</i>	351.33	
23 36 13 00-0025	EA		7 - 10" Diameter Inlet, 150 - 720 CFM, Dual Duct Boxes, Constant Volume Control.....	2,027.73	51.27
			<i>For Boxes With Motor, Add</i>	364.53	
23 36 13 00-0026	EA		9 - 12" Diameter Inlet, 200 - 960 CFM, Dual Duct Boxes, Constant Volume Control.....	2,112.65	53.55
			<i>For Boxes With Motor, Add</i>	379.80	
23 36 13 00-0027	EA		12" Diameter Inlet, 250 - 1,200 CFM, Dual Duct Boxes, Constant Volume Control.....	2,134.75	59.25
			<i>For Boxes With Motor, Add</i>	379.80	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 36 Air Terminal Units**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 36 13 00-0028	EA	14" Diameter Inlet, 350 - 1,680 CFM, Dual Duct Boxes, Constant Volume Control.....	2,453.52	67.23
		<i>For Boxes With Motor, Add</i>	437.43	
23 36 13 00-0029	EA	16" Diameter Inlet, 450 - 2,160 CFM, Dual Duct Boxes, Constant Volume Control.....	2,682.12	74.06
		<i>For Boxes With Motor, Add</i>	477.01	
23 36 13 00-0030	EA	20" x 16" Inlet, 550 - 2,640 CFM, Dual Duct Boxes, Constant Volume Control.....	2,887.94	88.88
		<i>For Boxes With Motor, Add</i>	506.87	
23 36 13 00-0031	EA	24" x 16" Inlet, 650 - 3,120 CFM, Dual Duct Boxes, Constant Volume Control.....	3,013.95	102.55
		<i>For Boxes With Motor, Add</i>	520.75	

**23 36 16 Variable-Air-Volume Units (23 36)**

23 36 16 00-0001		<b>Variable Volume Terminal Unit</b> (23 36 16) Note: Includes flow controllers, insulated plenum, system powered box mounted thermostat.		
23 36 16 00-0002		<b>Single Duct Variable Volume Terminal Unit</b> (23 36 16 00-0001) Note: Enclosure only. For mounting DDC controls.		
23 36 16 00-0003	EA	6" Diameter Inlet, 80 To 500 CFM, Variable Air Volume Box With Enclosure Only .....	557.93	52.41
		Note: For mounting DDC controls		
		<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0004	EA	8" Diameter Inlet, 145 To 900 CFM, Variable Air Volume Box With Enclosure Only .....	624.21	59.25
		Note: For mounting DDC controls		
		<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0005	EA	10" Diameter Inlet, 230 To 1,400 CFM, Variable Air Volume Box With Enclosure Only .....	694.78	66.09
		Note: For mounting DDC controls		
		<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0006	EA	12" Diameter Inlet, 325 To 2,000 CFM, Variable Air Volume Box With Enclosure Only .....	741.17	74.06
		Note: For mounting DDC controls		
		<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0007	EA	14" Diameter Inlet, 450 To 3,000 CFM, Variable Air Volume Box With Enclosure Only .....	1,022.82	159.41
		Note: For mounting DDC controls		
		<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0008	EA	16" Diameter Inlet, 580 To 4,000 CFM, Variable Air Volume Box With Enclosure Only .....	1,231.41	189.15
		Note: For mounting DDC controls		
		<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0009		<b>Single Duct Variable Volume Terminal Unit</b> (23 36 16 00-0001) Note: With pneumatic controls.		
23 36 16 00-0010	EA	6" Diameter Inlet, 80 - 500 CFM, Variable Air Volume Box With pneumatic controller .....	1,173.00	52.41
		<i>For Fan Powered Variable Air Volume Box, Add</i>	1,243.94	
		<i>For Hot Water Coils, Add</i>	391.68	
		<i>For Pressure Independent Actuator, Add</i>	67.57	
		<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0011	EA	8" Diameter Inlet, 145 - 900 CFM, Variable Air Volume Box With pneumatic controller .....	1,268.15	59.25
		<i>For Fan Powered Variable Air Volume Box, Add</i>	1,332.24	
		<i>For Hot Water Coils, Add</i>	418.69	
		<i>For Pressure Independent Actuator, Add</i>	67.57	
		<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0012	EA	10" Diameter Inlet, 230 - 1,400 CFM, Variable Air Volume Box With pneumatic controller .....	1,327.62	66.09
		<i>For Fan Powered Variable Air Volume Box, Add</i>	1,373.73	
		<i>For Hot Water Coils, Add</i>	430.39	
		<i>For Pressure Independent Actuator, Add</i>	67.57	
		<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0013	EA	12" Diameter Inlet, 325 - 2,000 CFM, Variable Air Volume Box With pneumatic controller .....	1,385.10	74.06
		<i>For Fan Powered Variable Air Volume Box, Add</i>	1,412.47	
		<i>For Hot Water Coils, Add</i>	441.20	
		<i>For Pressure Independent Actuator, Add</i>	67.57	
		<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0014	EA	14" Diameter Inlet, 450 To 3,000 CFM, Variable Air Volume Box With pneumatic controller.....	1,606.80	159.41
		<i>For Fan Powered Variable Air Volume Box, Add</i>	1,585.09	
		<i>For Hot Water Coils, Add</i>	491.62	
		<i>For Pressure Independent Actuator, Add</i>	67.57	
		<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0015	EA	16" Diameter Inlet, 580 To 4,000 CFM, Variable Air Volume Box With pneumatic controller.....	1,864.25	189.15
		<i>For Fan Powered Variable Air Volume Box, Add</i>	1,718.73	
		<i>For Hot Water Coils, Add</i>	524.94	
		<i>For Pressure Independent Actuator, Add</i>	67.57	
		<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0016		<b>Single Duct Variable Volume Terminal Unit</b> (23 36 16 00-0001) Note: With analog electronic controls.		
23 36 16 00-0017	EA	6" Diameter Inlet, 60 To 500 CFM, Variable Air Volume Box With Analog Electronic Controls.....	1,939.06	52.41
		<i>For Hot Water Coils, Add</i>	702.31	
		<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0018	EA	8" Diameter Inlet, 105 To 900 CFM, Variable Air Volume Box With Analog Electronic Controls.....	2,016.45	59.25
		<i>For Hot Water Coils, Add</i>	722.12	
		<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0019	EA	10" Diameter Inlet, 165 To 1,400 CFM, Variable Air Volume Box With Analog Electronic Controls.....	2,087.02	66.09
		<i>For Hot Water Coils, Add</i>	738.33	
		<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0020	EA	12" Diameter Inlet, 235 To 2,000 CFM, Variable Air Volume Box With Analog Electronic Controls.....	2,186.70	74.06
		<i>For Hot Water Coils, Add</i>	766.24	
		<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0021	EA	14" Diameter Inlet, 320 To 3,000 CFM, Variable Air Volume Box With Analog Electronic Controls.....	2,410.61	159.41
		<i>For Hot Water Coils, Add</i>	817.57	
		<i>For Filters And Frames, Add</i>	6.30	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 36 16 00-0022	EA		16" Diameter Inlet, 420 To 4,000 CFM, Variable Air Volume Box With Analog Electronic Controls ..... <i>For Hot Water Coils, Add</i> <i>For Filters And Frames, Add</i>	2,455.02 835.57 6.30	159.41
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**23 36 16 00-0023 Dual Duct Variable Volume Terminal Unit** (23 36 16 00-0001)

Note: With flow control installation, plenum system power box, thermostat.

23 36 16 00-0024	EA		6" Diameter Inlet, 75 - 500 CFM, Variable Air Volume Box, Dual Duct..... <i>For Filters And Frames, Add</i>	1,328.53 6.30	103.57
23 36 16 00-0025	EA		8" Diameter Inlet, 200 - 700 CFM, Variable Air Volume Box, Dual Duct..... <i>For Filters And Frames, Add</i>	1,452.62 6.30	117.93
23 36 16 00-0026	EA		10" Diameter Inlet, 400 - 1,000 CFM, Variable Air Volume Box, Dual Duct..... <i>For Filters And Frames, Add</i>	1,554.83 6.30	133.20
23 36 16 00-0027	EA		12" Diameter Inlet, 600 - 1,400 CFM, Variable Air Volume Box, Dual Duct..... <i>For Filters And Frames, Add</i>	1,705.01 6.30	148.58
23 36 16 00-0028	EA		14" Diameter Inlet, 800 - 2,700 CFM, Variable Air Volume Box, Dual Duct..... <i>For Filters And Frames, Add</i>	1,916.62 6.30	170.91
23 36 16 00-0029	EA		16" Diameter Inlet, 1,000 - 3,500 CFM, Variable Air Volume Box, Dual Duct..... <i>For Filters And Frames, Add</i>	2,104.28 6.30	205.10

**23 36 16 00-0030 Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-M)** (23 36 16 00-0001)

23 36 16 00-0031	EA		0 To 200 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-A)..... <i>For Filters And Frames, Add</i>	531.95 6.30	71.22
23 36 16 00-0032	EA		0 To 300 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-B)..... <i>For Filters And Frames, Add</i>	577.73 6.30	78.34
23 36 16 00-0033	EA		0 To 400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-C)..... <i>For Filters And Frames, Add</i>	624.73 6.30	85.46
23 36 16 00-0034	EA		0 To 700 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-D)..... <i>For Filters And Frames, Add</i>	673.01 6.30	92.58
23 36 16 00-0035	EA		0 To 1,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-E)..... <i>For Filters And Frames, Add</i>	722.70 6.30	99.69
23 36 16 00-0036	EA		0 To 1,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-F)..... <i>For Filters And Frames, Add</i>	773.85 6.30	106.82
23 36 16 00-0037	EA		0 To 1,100 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-G)..... <i>For Filters And Frames, Add</i>	830.67 6.30	113.94
23 36 16 00-0038	EA		0 To 1,900 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-H)..... <i>For Filters And Frames, Add</i>	885.41 6.30	121.06
23 36 16 00-0039	EA		0 To 2,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-I)..... <i>For Filters And Frames, Add</i>	941.97 6.30	128.18
23 36 16 00-0040	EA		0 To 3,800 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-K)..... <i>For Filters And Frames, Add</i>	1,000.49 6.30	135.30
23 36 16 00-0041	EA		0 To 5,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-L)..... <i>For Filters And Frames, Add</i>	1,061.14 6.30	142.43
23 36 16 00-0042	EA		0 To 5,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-M)..... <i>For Filters And Frames, Add</i>	1,124.02 6.30	149.55
23 36 16 00-0043	EA		0 To 6,700 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-N)..... <i>For Filters And Frames, Add</i>	1,189.32 6.30	156.67
23 36 16 00-0044	EA		0 To 10,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-P)..... <i>For Filters And Frames, Add</i>	1,251.61 6.30	163.79
23 36 16 00-0045	EA		0 To 15,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-R)..... <i>For Filters And Frames, Add</i>	1,321.84 6.30	170.91

**23 37 Air Outlets and Inlets** (23 30)

**23 37 13 Diffusers, Registers, and Grilles** (23 37)

**23 37 13 13 Diffusers, Registers, and Grilles** (23 37 13)

**23 37 13 13-0001 Ceiling Diffusers** (23 37 13 13)

**23 37 13 13-0002 Ceiling Diffusers With Perforated Face** (23 37 13 13-0001)

Note: Flush mount, aluminum construction, includes damper.

23 37 13 13-0003	EA		6" x 6" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper ..... <i>For Steel Construction, Deduct</i> <i>For Surface Mount, Deduct</i> <i>For Diffuser Without Damper, Deduct</i> <i>For Stainless Steel, Add</i>	113.71 -8.27 -6.61 -11.02 137.78	14.81
23 37 13 13-0004	EA		8" x 8" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper ..... <i>For Steel Construction, Deduct</i> <i>For Surface Mount, Deduct</i> <i>For Diffuser Without Damper, Deduct</i> <i>For Stainless Steel, Add</i>	125.96 -10.10 -8.08 -13.47 168.40	14.81
23 37 13 13-0005	EA		9" x 9" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper ..... <i>For Steel Construction, Deduct</i> <i>For Surface Mount, Deduct</i> <i>For Diffuser Without Damper, Deduct</i> <i>For Stainless Steel, Add</i>	125.96 -10.10 -8.08 -13.47 168.40	14.81
23 37 13 13-0006	EA		10" x 10" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper ..... <i>For Steel Construction, Deduct</i> <i>For Surface Mount, Deduct</i> <i>For Diffuser Without Damper, Deduct</i> <i>For Stainless Steel, Add</i>	151.35 -12.09 -9.68 -16.13 201.58	18.23

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 37 Air Outlets and Inlets**



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 37 13 13-0007	EA	12" x 12" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	151.35	17.09
		<i>For Steel Construction, Deduct</i>	-12.09	
		<i>For Surface Mount, Deduct</i>	-9.68	
		<i>For Diffuser Without Damper, Deduct</i>	-16.13	
		<i>For Stainless Steel, Add</i>	201.58	
23 37 13 13-0008	EA	16" x 16" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	173.80	17.09
		<i>For Steel Construction, Deduct</i>	-15.46	
		<i>For Surface Mount, Deduct</i>	-12.37	
		<i>For Diffuser Without Damper, Deduct</i>	-20.62	
		<i>For Stainless Steel, Add</i>	257.70	
23 37 13 13-0009	EA	18" x 18" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	199.63	22.79
		<i>For Steel Construction, Deduct</i>	-16.63	
		<i>For Surface Mount, Deduct</i>	-13.30	
		<i>For Diffuser Without Damper, Deduct</i>	-22.17	
		<i>For Stainless Steel, Add</i>	277.10	
23 37 13 13-0010	EA	20" x 20" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	231.63	23.92
		<i>For Steel Construction, Deduct</i>	-20.76	
		<i>For Surface Mount, Deduct</i>	-16.61	
		<i>For Diffuser Without Damper, Deduct</i>	-27.68	
		<i>For Stainless Steel, Add</i>	346.00	
23 37 13 13-0011	EA	24" x 24" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	262.43	27.35
		<i>For Steel Construction, Deduct</i>	-23.09	
		<i>For Surface Mount, Deduct</i>	-18.47	
		<i>For Lay-In Mount, Deduct</i>	-18.47	
		<i>For Diffuser Without Damper, Deduct</i>	-30.78	
		<i>For Stainless Steel, Add</i>	384.78	
<b>23 37 13 13-0012 Ceiling Diffusers With Louver Face <small>(23 37 13 13-0001)</small></b>				
Note: 1 To 4 way adjustable pattern, surface mount aluminum construction.				
23 37 13 13-0013	EA	6" x 6" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	117.80	14.81
		<i>For Steel Construction, Deduct</i>	-8.88	
		<i>For Lay-In Mount, Add</i>	11.84	
		<i>For Stainless Steel, Add</i>	148.00	
23 37 13 13-0014	EA	8" x 8" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	133.72	14.81
		<i>For Steel Construction, Deduct</i>	-11.27	
		<i>For Lay-In Mount, Add</i>	15.02	
		<i>For Stainless Steel, Add</i>	187.80	
23 37 13 13-0015	EA	9" x 9" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	133.72	14.81
		<i>For Steel Construction, Deduct</i>	-11.27	
		<i>For Lay-In Mount, Add</i>	15.02	
		<i>For Stainless Steel, Add</i>	187.80	
23 37 13 13-0016	EA	10" x 10" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	160.54	17.09
		<i>For Steel Construction, Deduct</i>	-13.47	
		<i>For Lay-In Mount, Add</i>	17.96	
		<i>For Stainless Steel, Add</i>	224.55	
23 37 13 13-0017	EA	12" x 12" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	160.54	18.23
		<i>For Steel Construction, Deduct</i>	-13.47	
		<i>For Lay-In Mount, Add</i>	17.96	
		<i>For Stainless Steel, Add</i>	224.55	
23 37 13 13-0018	EA	24" x 12" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	206.75	22.79
		<i>For Steel Construction, Deduct</i>	-17.64	
		<i>For Lay-In Mount, Add</i>	23.52	
		<i>For Stainless Steel, Add</i>	293.95	
23 37 13 13-0019	EA	14" x 14" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	185.11	22.79
		<i>For Steel Construction, Deduct</i>	-14.39	
		<i>For Lay-In Mount, Add</i>	19.19	
		<i>For Stainless Steel, Add</i>	239.85	
23 37 13 13-0020	EA	18" x 18" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	231.03	27.35
		<i>For Steel Construction, Deduct</i>	-18.46	
		<i>For Lay-In Mount, Add</i>	24.62	
		<i>For Stainless Steel, Add</i>	307.73	
23 37 13 13-0021	EA	21" x 21" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	266.91	30.76
		<i>For Steel Construction, Deduct</i>	-22.96	
		<i>For Lay-In Mount, Add</i>	30.62	
		<i>For Stainless Steel, Add</i>	382.73	
23 37 13 13-0022	EA	24" x 24" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	291.50	60.28
		<i>For Steel Construction, Deduct</i>	-25.63	
		<i>For Lay-In Mount, Add</i>	34.17	
		<i>For Stainless Steel, Add</i>	427.13	
<b>23 37 13 13-0023 Round Ceiling Diffusers With Fixed Pattern <small>(23 37 13 13-0001)</small></b>				
Note: Aluminum construction.				
23 37 13 13-0024	EA	6" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	191.10	14.81
		<i>For Steel Construction, Deduct</i>	-39.75	
		<i>For Stainless Steel, Add</i>	331.25	
23 37 13 13-0025	EA	8" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	197.90	14.81
		<i>For Steel Construction, Deduct</i>	-41.79	
		<i>For Stainless Steel, Add</i>	348.25	
23 37 13 13-0026	EA	10" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	223.60	18.23
		<i>For Steel Construction, Deduct</i>	-45.86	
		<i>For Stainless Steel, Add</i>	382.20	

MINOR	DESCRIPTION		TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST

23 37 13 13-0027	EA	12" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction <i>For Steel Construction, Deduct</i> <i>For Stainless Steel, Add</i>	240.59 -50.96 424.68	17.09
23 37 13 13-0028	EA	14" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction <i>For Steel Construction, Deduct</i> <i>For Stainless Steel, Add</i>	343.64 -78.48 654.00	20.51
23 37 13 13-0029	EA	16" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction <i>For Steel Construction, Deduct</i> <i>For Stainless Steel, Add</i>	362.35 -83.07 692.23	21.65
23 37 13 13-0030	EA	18" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction <i>For Steel Construction, Deduct</i> <i>For Stainless Steel, Add</i>	381.35 -87.65 730.45	22.79
23 37 13 13-0031	EA	20" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction <i>For Steel Construction, Deduct</i> <i>For Stainless Steel, Add</i>	440.52 -104.19 868.23	22.79
23 37 13 13-0032	EA	24" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction <i>For Steel Construction, Deduct</i> <i>For Stainless Steel, Add</i>	525.34 -126.84 1,056.98	26.21
23 37 13 13-0033	EA	28" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction <i>For Steel Construction, Deduct</i> <i>For Stainless Steel, Add</i>	591.13 -144.96 1,207.98	27.35
23 37 13 13-0034	EA	32" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction <i>For Steel Construction, Deduct</i> <i>For Stainless Steel, Add</i>	705.76 -175.53 1,462.78	30.76

**23 37 13 13-0035 Round Ceiling Diffusers With Adjustable Pattern Dropped Style (23 37 13 13-0001)**

Note: Aluminum construction.

23 37 13 13-0036	EA	6" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction <i>For Steel Construction, Deduct</i> <i>For Flush Mount, Deduct</i> <i>For Stainless Steel, Add</i>	201.29 -14.27 -7.13 356.73	14.81
23 37 13 13-0037	EA	8" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction <i>For Steel Construction, Deduct</i> <i>For Flush Mount, Deduct</i> <i>For Stainless Steel, Add</i>	218.85 -16.03 -8.01 400.63	14.81
23 37 13 13-0038	EA	10" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction <i>For Steel Construction, Deduct</i> <i>For Flush Mount, Deduct</i> <i>For Stainless Steel, Add</i>	248.14 -17.74 -8.87 443.55	18.23
23 37 13 13-0039	EA	12" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction <i>For Steel Construction, Deduct</i> <i>For Flush Mount, Deduct</i> <i>For Stainless Steel, Add</i>	267.77 -19.71 -9.85 492.63	18.23
23 37 13 13-0040	EA	14" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction <i>For Steel Construction, Deduct</i> <i>For Flush Mount, Deduct</i> <i>For Stainless Steel, Add</i>	387.81 -30.58 -15.29 764.43	20.51
23 37 13 13-0041	EA	16" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction <i>For Steel Construction, Deduct</i> <i>For Flush Mount, Deduct</i> <i>For Stainless Steel, Add</i>	335.26 -32.67 -16.34 816.80	21.65
23 37 13 13-0042	EA	18" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction <i>For Steel Construction, Deduct</i> <i>For Flush Mount, Deduct</i> <i>For Stainless Steel, Add</i>	436.84 -34.77 -17.38 869.18	22.79
23 37 13 13-0043	EA	20" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction <i>For Steel Construction, Deduct</i> <i>For Flush Mount, Deduct</i> <i>For Stainless Steel, Add</i>	506.58 -41.34 -20.67 1,033.38	23.92
23 37 13 13-0044	EA	24" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction <i>For Steel Construction, Deduct</i> <i>For Flush Mount, Deduct</i> <i>For Stainless Steel, Add</i>	572.15 -46.96 -23.48 1,174.00	26.21
23 37 13 13-0045	EA	28" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction <i>For Steel Construction, Deduct</i> <i>For Flush Mount, Deduct</i> <i>For Stainless Steel, Add</i>	693.05 -58.51 -29.26 1,462.78	27.35
23 37 13 13-0046	EA	32" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction <i>For Steel Construction, Deduct</i> <i>For Flush Mount, Deduct</i> <i>For Stainless Steel, Add</i>	834.49 -71.38 -35.69 1,784.60	30.76
23 37 13 13-0047	EA	36" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction <i>For Steel Construction, Deduct</i> <i>For Stainless Steel, Add</i>	924.32 -1,990.35	64.15

**23 37 13 13-0048 Linear Type Ceiling Diffusers With 2-Way Air Deflection (23 37 13 13-0001)**

23 37 13 13-0049	LF	4" Linear Type Ceiling Diffuser 40-200 CFM/LF, With 2-Way Air Deflection <i>For Stainless Steel, Add</i>	154.11 214.35	17.09
23 37 13 13-0050	LF	6-1/4" Linear Type Ceiling Diffuser, 41 - 206 CFM/LF, With 2-Way Air Deflection <i>For Stainless Steel, Add</i>	165.76 243.48	17.09
23 37 13 13-0051	LF	9-1/4" Linear Type Ceiling Diffuser, 62 - 312 CFM/LF, With 2-Way Air Deflection <i>For Stainless Steel, Add</i>	180.11 279.35	17.09
23 37 13 13-0052	LF	12-1/4" Linear Type Ceiling Diffuser, 131 - 656 CFM/LF, With 2-Way Air Deflection <i>For Stainless Steel, Add</i>	194.08 314.28	17.09

**23 37 13 13-0053 Wall And Floor Diffusers (23 37 13 13)**

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 37 Air Outlets and Inlets**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0054			<b>Slot Type Linear Diffusers</b> (23 37 13 13-0053) Note: For sidewall sill or ceiling 1/2" 3/4" or 1" slot spacing 1-1/8" border.		
23 37 13 13-0055	LF		1 Slot Linear Diffusers 10 - 70 CFM/LF, Sidewall, Sill, Ceiling.....	52.24	5.70
			For 3/4" Border, Add	7.08	
			For Floor Mounted Diffusers, Add	8.49	
			For Stainless Steel, Add	36.80	
23 37 13 13-0056	LF		2 Slot Linear Diffusers 20 - 140 CFM/LF, Sidewall, Sill, Ceiling.....	63.94	6.84
			For 3/4" Border, Add	9.44	
			For Floor Mounted Diffusers, Add	11.33	
			For Stainless Steel, Add	49.08	
23 37 13 13-0057	LF		3 Slot Linear Diffusers 30 - 210 CFM/LF, Sidewall, Sill, Ceiling.....	89.10	7.98
			For 3/4" Border, Add	14.87	
			For Floor Mounted Diffusers, Add	17.84	
			For Stainless Steel, Add	77.30	
23 37 13 13-0058	LF		4 Slot Linear Diffusers 40 - 280 CFM/LF, Sidewall, Sill, Ceiling.....	117.97	7.98
			For 3/4" Border, Add	21.24	
			For Floor Mounted Diffusers, Add	25.48	
			For Stainless Steel, Add	110.42	
23 37 13 13-0059	LF		5 Slot Linear Diffusers 50 - 350 CFM/LF, Sidewall, Sill, Ceiling.....	148.05	9.12
			For 3/4" Border, Add	27.61	
			For Floor Mounted Diffusers, Add	33.13	
			For Stainless Steel, Add	143.55	
23 37 13 13-0060	LF		6 Slot Linear Diffusers 60 - 420 CFM/LF, Sidewall, Sill, Ceiling.....	173.49	11.39
			For 3/4" Border, Add	32.56	
			For Floor Mounted Diffusers, Add	39.07	
			For Stainless Steel, Add	169.30	
23 37 13 13-0061			<b>Linear Bar Grilles And Registers</b> (23 37 13 13-0053) Note: For sidewall sill or ceiling or 15 degree deflection 1/2" bar spacing 1" border aluminum construction.		
23 37 13 13-0062	LF		2" Wide Linear Bar Grilles/Registers 30 - 70 CFM/LF, Sidewall, Sill, Ceiling.....	163.03	6.84
			For Floor Mount, Add	13.68	
			For Opposed Blade Damper, Add	27.37	
			For Stainless Steel, Add	177.89	
23 37 13 13-0063	LF		3" Wide Linear Bar Grilles/Registers 55 - 143 CFM/LF, Sidewall, Sill, Ceiling.....	194.79	7.98
			For Floor Mount, Add	16.52	
			For Opposed Blade Damper, Add	33.03	
			For Stainless Steel, Add	214.70	
23 37 13 13-0064	LF		4" Wide Linear Bar Grilles/Registers 80 - 208 CFM/LF, Sidewall, Sill, Ceiling.....	212.34	7.98
			For Floor Mount, Add	17.93	
			For Opposed Blade Damper, Add	35.86	
			For Stainless Steel, Add	233.10	
23 37 13 13-0065	LF		6" Wide Linear Bar Grilles/Registers 125 - 325 CFM/LF, Sidewall, Sill, Ceiling.....	260.32	11.39
			For Floor Mount, Add	21.71	
			For Opposed Blade Damper, Add	43.41	
			For Stainless Steel, Add	282.18	
23 37 13 13-0066	LF		9" Wide Linear Bar Grilles/Registers 225 - 450 CFM/LF, Sidewall, Sill, Ceiling.....	360.09	14.81
			For Floor Mount, Add	30.20	
			For Opposed Blade Damper, Add	60.40	
			For Stainless Steel, Add	392.59	
23 37 13 13-0067	LF		12" Wide Linear Bar Grilles/Registers 225 - 495 CFM/LF, Sidewall, Sill, Ceiling.....	415.18	17.09
			For Floor Mount, Add	34.45	
			For Opposed Blade Damper, Add	68.89	
			For Stainless Steel, Add	447.80	
23 37 13 13-0068			<b>Return/Exhaust Registers And Grilles</b> (23 37 13 13)		
23 37 13 13-0069			<b>Return/Exhaust Registers With Frame</b> (23 37 13 13-0068) Note: Single deflection with opposed blade damper aluminum construction wall or ceiling mount.		
23 37 13 13-0070	EA		8" x 4" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	111.33	9.12
			For Steel Construction, Deduct	-15.19	
			For Grilles (No Damper), Deduct	-30.39	
			For Removable Core, Add	35.00	
			For Cube Core With Frame, Add	7.60	
			For Cube Core Lay In, Add	15.19	
			For Stainless Steel, Add	189.93	
23 37 13 13-0071	EA		8" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	127.85	9.12
			For Steel Construction, Deduct	-18.50	
			For Grilles (No Damper), Deduct	-37.00	
			For Removable Core, Add	35.00	
			For Cube Core With Frame, Add	9.25	
			For Cube Core Lay In, Add	18.50	
			For Stainless Steel, Add	231.23	
23 37 13 13-0072	EA		10" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	143.41	10.25
			For Steel Construction, Deduct	-20.48	
			For Grilles (No Damper), Deduct	-40.96	
			For Removable Core, Add	35.00	
			For Cube Core With Frame, Add	10.24	
			For Cube Core Lay In, Add	20.48	
			For Stainless Steel, Add	255.98	
23 37 13 13-0073	EA		10" x 10" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	150.09	11.39
			For Steel Construction, Deduct	-20.48	
			For Grilles (No Damper), Deduct	-40.96	
			For Removable Core, Add	35.00	
			For Cube Core With Frame, Add	10.24	
			For Cube Core Lay In, Add	20.48	
			For Stainless Steel, Add	255.98	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0074	EA		12" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	143.49	11.39
			<i>For Steel Construction, Deduct</i>	-19.16	
			<i>For Grilles (No Damper), Deduct</i>	-38.32	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	9.58	
			<i>For Cube Core Lay In, Add</i>	19.16	
			<i>For Stainless Steel, Add</i>	239.48	
23 37 13 13-0075	EA		12" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	184.12	14.81
			<i>For Steel Construction, Deduct</i>	-25.10	
			<i>For Grilles (No Damper), Deduct</i>	-50.21	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	12.55	
			<i>For Cube Core Lay In, Add</i>	25.10	
			<i>For Stainless Steel, Add</i>	313.80	
23 37 13 13-0076	EA		16" x 16" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	220.58	17.09
			<i>For Steel Construction, Deduct</i>	-29.97	
			<i>For Grilles (No Damper), Deduct</i>	-59.94	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	14.99	
			<i>For Cube Core Lay In, Add</i>	29.97	
			<i>For Stainless Steel, Add</i>	374.65	
23 37 13 13-0077	EA		18" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	270.31	20.51
			<i>For Steel Construction, Deduct</i>	-37.65	
			<i>For Grilles (No Damper), Deduct</i>	-75.31	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	18.83	
			<i>For Cube Core Lay In, Add</i>	37.65	
			<i>For Stainless Steel, Add</i>	470.68	
23 37 13 13-0078	EA		20" x 20" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	317.16	22.79
			<i>For Steel Construction, Deduct</i>	-45.60	
			<i>For Grilles (No Damper), Deduct</i>	-91.20	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	22.80	
			<i>For Cube Core Lay In, Add</i>	45.60	
			<i>For Stainless Steel, Add</i>	569.98	
23 37 13 13-0079	EA		24" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	283.93	22.79
			<i>For Steel Construction, Deduct</i>	-38.14	
			<i>For Grilles (No Damper), Deduct</i>	-76.28	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	19.07	
			<i>For Cube Core Lay In, Add</i>	38.14	
			<i>For Stainless Steel, Add</i>	476.75	
23 37 13 13-0080	EA		24" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	324.44	22.79
			<i>For Steel Construction, Deduct</i>	-46.24	
			<i>For Grilles (No Damper), Deduct</i>	-92.48	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	23.12	
			<i>For Cube Core Lay In, Add</i>	46.24	
			<i>For Stainless Steel, Add</i>	578.03	
23 37 13 13-0081	EA		24" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	342.19	26.21
			<i>For Steel Construction, Deduct</i>	-47.93	
			<i>For Grilles (No Damper), Deduct</i>	-95.86	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	23.96	
			<i>For Cube Core Lay In, Add</i>	47.93	
			<i>For Stainless Steel, Add</i>	599.10	
23 37 13 13-0082	EA		30" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	362.62	27.35
			<i>For Steel Construction, Deduct</i>	-50.94	
			<i>For Grilles (No Damper), Deduct</i>	-101.87	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	25.47	
			<i>For Cube Core Lay In, Add</i>	50.94	
			<i>For Stainless Steel, Add</i>	636.70	
23 37 13 13-0083	EA		30" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	417.91	30.76
			<i>For Steel Construction, Deduct</i>	-59.45	
			<i>For Grilles (No Damper), Deduct</i>	-118.90	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	29.73	
			<i>For Cube Core Lay In, Add</i>	59.45	
			<i>For Stainless Steel, Add</i>	743.15	
23 37 13 13-0084	EA		30" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	468.20	36.47
			<i>For Steel Construction, Deduct</i>	-64.34	
			<i>For Grilles (No Damper), Deduct</i>	-128.68	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	32.17	
			<i>For Cube Core Lay In, Add</i>	64.34	
			<i>For Stainless Steel, Add</i>	804.25	
23 37 13 13-0085	EA		30" x 30" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	608.06	36.47
			<i>For Steel Construction, Deduct</i>	-92.31	
			<i>For Grilles (No Damper), Deduct</i>	-184.62	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	46.16	
			<i>For Cube Core Lay In, Add</i>	92.31	
			<i>For Stainless Steel, Add</i>	1,153.90	
23 37 13 13-0086	EA		36" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	505.29	39.88
			<i>For Steel Construction, Deduct</i>	-69.50	
			<i>For Grilles (No Damper), Deduct</i>	-139.01	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	34.75	
			<i>For Cube Core Lay In, Add</i>	69.50	
			<i>For Stainless Steel, Add</i>	868.80	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 37 Air Outlets and Inlets**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 37 13 13-0087	EA 36" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	492.01	38.74
	<i>For Steel Construction, Deduct</i>	-66.85	
	<i>For Grilles (No Damper), Deduct</i>	-133.70	
	<i>For Removable Core, Add</i>	35.00	
	<i>For Cube Core With Frame, Add</i>	33.42	
	<i>For Cube Core Lay In, Add</i>	66.85	
	<i>For Stainless Steel, Add</i>	835.60	
23 37 13 13-0088	EA 36" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	560.16	43.29
	<i>For Steel Construction, Deduct</i>	-77.85	
	<i>For Grilles (No Damper), Deduct</i>	-155.70	
	<i>For Removable Core, Add</i>	35.00	
	<i>For Cube Core With Frame, Add</i>	38.93	
	<i>For Cube Core Lay In, Add</i>	77.85	
	<i>For Stainless Steel, Add</i>	973.13	
23 37 13 13-0089	EA 36" x 36" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	759.34	46.72
	<i>For Steel Construction, Deduct</i>	-114.58	
	<i>For Grilles (No Damper), Deduct</i>	-229.15	
	<i>For Removable Core, Add</i>	35.00	
	<i>For Cube Core With Frame, Add</i>	57.29	
	<i>For Cube Core Lay In, Add</i>	114.58	
	<i>For Stainless Steel, Add</i>	1,432.20	
23 37 13 13-0090	EA 24" x 20" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	336.93	26.32
	<i>For Steel Construction, Deduct</i>	-46.36	
	<i>For Grilles (No Damper), Deduct</i>	-92.71	
	<i>For Removable Core, Add</i>	35.00	
	<i>For Cube Core With Frame, Add</i>	23.18	
	<i>For Cube Core Lay In, Add</i>	46.36	
	<i>For Stainless Steel, Add</i>	579.45	
23 37 13 13-0091	EA 32" x 40" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	609.86	46.60
	<i>For Steel Construction, Deduct</i>	-84.68	
	<i>For Grilles (No Damper), Deduct</i>	-169.36	
	<i>For Removable Core, Add</i>	35.00	
	<i>For Cube Core With Frame, Add</i>	42.34	
	<i>For Cube Core Lay In, Add</i>	84.68	
	<i>For Stainless Steel, Add</i>	1,058.50	
23 37 13 13-0092	EA 48" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	656.76	45.58
	<i>For Steel Construction, Deduct</i>	-97.17	
	<i>For Grilles (No Damper), Deduct</i>	-194.34	
	<i>For Removable Core, Add</i>	35.00	
	<i>For Cube Core With Frame, Add</i>	48.59	
	<i>For Cube Core Lay In, Add</i>	97.17	
	<i>For Stainless Steel, Add</i>	1,214.63	
<b>23 37 13 13-0093</b>	<b>Return/Exhaust Registers Removable-Reversible</b> <small>(23 37 13 13-0068)</small>		
	Note: Double deflection core and opposed blade damper radiused frame with boarder aluminum construction.		
23 37 13 13-0094	EA 8" x 4" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	102.74	9.12
	<i>For Steel Construction, Deduct</i>	-6.74	
	<i>For Flat Frame, Deduct</i>	-0.67	
	<i>For Grilles (No Damper), Deduct</i>	-13.48	
	<i>For Stainless Steel, Add</i>	168.45	
23 37 13 13-0095	EA 8" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	102.74	9.12
	<i>For Steel Construction, Deduct</i>	-6.74	
	<i>For Flat Frame, Deduct</i>	-0.67	
	<i>For Grilles (No Damper), Deduct</i>	-13.48	
	<i>For Stainless Steel, Add</i>	168.45	
23 37 13 13-0096	EA 10" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	126.24	10.25
	<i>For Steel Construction, Deduct</i>	-8.52	
	<i>For Flat Frame, Deduct</i>	-0.85	
	<i>For Grilles (No Damper), Deduct</i>	-17.04	
	<i>For Stainless Steel, Add</i>	213.05	
23 37 13 13-0097	EA 10" x 10" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	144.81	12.53
	<i>For Steel Construction, Deduct</i>	-9.71	
	<i>For Flat Frame, Deduct</i>	-0.97	
	<i>For Grilles (No Damper), Deduct</i>	-19.42	
	<i>For Stainless Steel, Add</i>	242.78	
23 37 13 13-0098	EA 12" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	142.83	11.39
	<i>For Steel Construction, Deduct</i>	-9.51	
	<i>For Flat Frame, Deduct</i>	-0.95	
	<i>For Grilles (No Damper), Deduct</i>	-19.03	
	<i>For Stainless Steel, Add</i>	237.83	
23 37 13 13-0099	EA 12" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	185.44	14.81
	<i>For Steel Construction, Deduct</i>	-12.68	
	<i>For Flat Frame, Deduct</i>	-1.27	
	<i>For Grilles (No Damper), Deduct</i>	-25.37	
	<i>For Stainless Steel, Add</i>	317.10	
23 37 13 13-0100	EA 16" x 16" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	299.95	18.23
	<i>For Steel Construction, Deduct</i>	-22.92	
	<i>For Flat Frame, Deduct</i>	-2.29	
	<i>For Grilles (No Damper), Deduct</i>	-45.85	
	<i>For Stainless Steel, Add</i>	573.08	
23 37 13 13-0101	EA 18" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	361.48	20.51
	<i>For Steel Construction, Deduct</i>	-27.94	
	<i>For Flat Frame, Deduct</i>	-2.79	
	<i>For Grilles (No Damper), Deduct</i>	-55.89	
	<i>For Stainless Steel, Add</i>	698.60	
23 37 13 13-0102	EA 20" x 20" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	408.25	22.79
	<i>For Steel Construction, Deduct</i>	-31.91	
	<i>For Flat Frame, Deduct</i>	-3.19	
	<i>For Grilles (No Damper), Deduct</i>	-63.82	
	<i>For Stainless Steel, Add</i>	797.70	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0103	EA		24" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	338.98	22.79
			<i>For Steel Construction, Deduct</i>	-24.58	
			<i>For Flat Frame, Deduct</i>	-2.46	
			<i>For Grilles (No Damper), Deduct</i>	-49.15	
			<i>For Stainless Steel, Add</i>	614.38	
23 37 13 13-0104	EA		24" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	457.89	23.92
			<i>For Steel Construction, Deduct</i>	-36.47	
			<i>For Flat Frame, Deduct</i>	-3.65	
			<i>For Grilles (No Damper), Deduct</i>	-72.93	
			<i>For Stainless Steel, Add</i>	911.65	
23 37 13 13-0105	EA		24" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	534.59	26.21
			<i>For Steel Construction, Deduct</i>	-43.20	
			<i>For Flat Frame, Deduct</i>	-4.32	
			<i>For Grilles (No Damper), Deduct</i>	-86.41	
			<i>For Stainless Steel, Add</i>	1,080.10	
23 37 13 13-0106	EA		30" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	409.18	27.35
			<i>For Steel Construction, Deduct</i>	-30.12	
			<i>For Flat Frame, Deduct</i>	-3.01	
			<i>For Grilles (No Damper), Deduct</i>	-60.25	
			<i>For Stainless Steel, Add</i>	753.10	
23 37 13 13-0107	EA		30" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	564.58	30.76
			<i>For Steel Construction, Deduct</i>	-44.39	
			<i>For Flat Frame, Deduct</i>	-4.44	
			<i>For Grilles (No Damper), Deduct</i>	-88.79	
			<i>For Stainless Steel, Add</i>	1,109.83	
23 37 13 13-0108	EA		30" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	679.61	36.47
			<i>For Steel Construction, Deduct</i>	-53.31	
			<i>For Flat Frame, Deduct</i>	-5.33	
			<i>For Grilles (No Damper), Deduct</i>	-106.62	
			<i>For Stainless Steel, Add</i>	1,332.78	
23 37 13 13-0109	EA		30" x 30" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	779.70	36.47
			<i>For Steel Construction, Deduct</i>	-63.32	
			<i>For Flat Frame, Deduct</i>	-6.33	
			<i>For Grilles (No Damper), Deduct</i>	-126.64	
			<i>For Stainless Steel, Add</i>	1,583.00	
23 37 13 13-0110	EA		36" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	528.37	38.74
			<i>For Steel Construction, Deduct</i>	-37.06	
			<i>For Flat Frame, Deduct</i>	-3.71	
			<i>For Grilles (No Damper), Deduct</i>	-74.12	
			<i>For Stainless Steel, Add</i>	926.50	
23 37 13 13-0111	EA		36" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	718.63	38.74
			<i>For Steel Construction, Deduct</i>	-56.09	
			<i>For Flat Frame, Deduct</i>	-5.61	
			<i>For Grilles (No Damper), Deduct</i>	-112.17	
			<i>For Stainless Steel, Add</i>	1,402.15	
23 37 13 13-0112	EA		36" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	832.84	43.29
			<i>For Steel Construction, Deduct</i>	-66.19	
			<i>For Flat Frame, Deduct</i>	-6.62	
			<i>For Grilles (No Damper), Deduct</i>	-132.39	
			<i>For Stainless Steel, Add</i>	1,654.83	
23 37 13 13-0113	EA		36" x 30" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	974.24	46.72
			<i>For Steel Construction, Deduct</i>	-78.78	
			<i>For Flat Frame, Deduct</i>	-7.88	
			<i>For Grilles (No Damper), Deduct</i>	-157.56	
			<i>For Stainless Steel, Add</i>	1,969.45	
23 37 13 13-0114	EA		36" x 36" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	1,029.73	46.72
			<i>For Steel Construction, Deduct</i>	-84.33	
			<i>For Flat Frame, Deduct</i>	-8.43	
			<i>For Grilles (No Damper), Deduct</i>	-168.65	
			<i>For Stainless Steel, Add</i>	2,108.18	
<b>23 37 13 13-0115</b>			<b>Aluminum Eggcrate Ceiling Return Air And Exhaust Grilles</b> <small>(23 37 13 13-0068)</small>		
23 37 13 13-0116	EA		6" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	52.40	11.15
23 37 13 13-0117	EA		8" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	52.40	11.15
23 37 13 13-0118	EA		8" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	56.66	11.15
23 37 13 13-0119	EA		8" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	58.36	11.15
23 37 13 13-0120	EA		10" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	56.66	11.15
23 37 13 13-0121	EA		10" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	58.36	11.15
23 37 13 13-0122	EA		10" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	70.58	14.62
23 37 13 13-0123	EA		10" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	72.29	14.62
23 37 13 13-0124	EA		12" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	68.88	14.62
23 37 13 13-0125	EA		12" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	72.29	14.62
23 37 13 13-0126	EA		12" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	73.99	14.62
23 37 13 13-0127	EA		12" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	75.70	14.62
23 37 13 13-0128	EA		14" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	73.14	14.62
23 37 13 13-0129	EA		14" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	76.55	14.62
23 37 13 13-0130	EA		14" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	78.25	14.62
23 37 13 13-0131	EA		14" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	85.92	14.62
23 37 13 13-0132	EA		16" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	76.55	14.62
23 37 13 13-0133	EA		16" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	82.51	14.62
23 37 13 13-0134	EA		16" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	85.92	14.62
23 37 13 13-0135	EA		16" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	111.21	21.55
23 37 13 13-0136	EA		16" x 16" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	112.91	21.55
23 37 13 13-0137	EA		18" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	109.51	21.55
23 37 13 13-0138	EA		18" x 18" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	133.66	25.03
23 37 13 13-0139	EA		20" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	107.80	21.55
23 37 13 13-0140	EA		20" x 20" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	142.18	25.03
23 37 13 13-0141	EA		22" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	74.84	14.62

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 37 Air Outlets and Inlets**



MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT  
UNIT COST

DEMOLITION  
UNIT COST

23 37 13 13-0142	EA	22" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	109.51	21.55
23 37 13 13-0143	EA	22" x 22" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	159.51	28.50
23 37 13 13-0144	EA	24" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	107.80	21.55
23 37 13 13-0145	EA	24" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	111.21	21.55
23 37 13 13-0146	EA	24" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	128.55	25.03
		<i>For Lay-In Installation, Deduct</i>	-52.75	
23 37 13 13-0147	EA	24" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	133.66	25.03
23 37 13 13-0148	EA	24" x 16" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	149.28	28.50
23 37 13 13-0149	EA	24" x 18" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	154.39	28.50
23 37 13 13-0150	EA	24" x 20" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	160.36	28.50
23 37 13 13-0151	EA	24" x 24" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	171.43	28.50
		<i>For Lay-In Installation, Deduct</i>	-60.39	
23 37 13 13-0152	EA	30" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	131.10	25.03
23 37 13 13-0153	EA	48" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	209.67	31.23
23 37 13 13-0154	EA	48" x 24" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	354.24	38.17
		<i>For Lay-In Installation, Deduct</i>	-86.89	

**23 37 13 13-0155 Supply Registers and Grilles (23 37 13 13)**

**23 37 13 13-0156 Adjustable Curved Blade Register (23 37 13 13-0155)**

Note: Ceiling mount aluminum construction four way pattern flush frame.

23 37 13 13-0157	EA	6" x 6" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern .....	93.06	9.12
		<i>For Steel Construction, Deduct</i>	-8.66	
		<i>For Lay In Frame, Deduct</i>	-14.44	
		<i>For Three Way Pattern, Deduct</i>	-5.78	
		<i>For Two Way Pattern, Deduct</i>	-4.62	
		<i>For One Way Pattern, Deduct</i>	-4.62	
		<i>For Grille (No Damper), Deduct</i>	-8.66	
		<i>For Stainless Steel, Add</i>	144.40	
23 37 13 13-0158	EA	8" x 8" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern .....	96.45	9.12
		<i>For Steel Construction, Deduct</i>	-9.17	
		<i>For Lay In Frame, Deduct</i>	-15.29	
		<i>For Three Way Pattern, Deduct</i>	-6.12	
		<i>For Two Way Pattern, Deduct</i>	-4.89	
		<i>For One Way Pattern, Deduct</i>	-4.89	
		<i>For Grille (No Damper), Deduct</i>	-9.17	
		<i>For Stainless Steel, Add</i>	152.88	
23 37 13 13-0159	EA	12" x 6" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern .....	105.57	12.53
		<i>For Steel Construction, Deduct</i>	-8.66	
		<i>For Lay In Frame, Deduct</i>	-14.44	
		<i>For Three Way Pattern, Deduct</i>	-5.78	
		<i>For Two Way Pattern, Deduct</i>	-4.62	
		<i>For One Way Pattern, Deduct</i>	-4.62	
		<i>For Grille (No Damper), Deduct</i>	-8.66	
		<i>For Stainless Steel, Add</i>	144.40	
23 37 13 13-0160	EA	10" x 10" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern .....	118.02	11.39
		<i>For Steel Construction, Deduct</i>	-10.53	
		<i>For Lay In Frame, Deduct</i>	-17.55	
		<i>For Three Way Pattern, Deduct</i>	-7.02	
		<i>For Two Way Pattern, Deduct</i>	-5.62	
		<i>For One Way Pattern, Deduct</i>	-5.62	
		<i>For Grille (No Damper), Deduct</i>	-10.53	
		<i>For Stainless Steel, Add</i>	175.53	
23 37 13 13-0161	EA	12" x 12" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern .....	141.90	14.81
		<i>For Steel Construction, Deduct</i>	-12.57	
		<i>For Lay In Frame, Deduct</i>	-20.95	
		<i>For Three Way Pattern, Deduct</i>	-8.38	
		<i>For Two Way Pattern, Deduct</i>	-6.70	
		<i>For One Way Pattern, Deduct</i>	-6.70	
		<i>For Grille (No Damper), Deduct</i>	-12.57	
		<i>For Stainless Steel, Add</i>	209.50	
23 37 13 13-0162	EA	14" x 14" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern .....	174.91	17.09
		<i>For Steel Construction, Deduct</i>	-15.63	
		<i>For Lay In Frame, Deduct</i>	-26.05	
		<i>For Three Way Pattern, Deduct</i>	-10.42	
		<i>For Two Way Pattern, Deduct</i>	-8.34	
		<i>For One Way Pattern, Deduct</i>	-8.34	
		<i>For Grille (No Damper), Deduct</i>	-15.63	
		<i>For Stainless Steel, Add</i>	260.48	
23 37 13 13-0163	EA	16" x 16" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern .....	174.91	17.09
		<i>For Steel Construction, Deduct</i>	-15.63	
		<i>For Lay In Frame, Deduct</i>	-26.05	
		<i>For Three Way Pattern, Deduct</i>	-10.42	
		<i>For Two Way Pattern, Deduct</i>	-8.34	
		<i>For One Way Pattern, Deduct</i>	-8.34	
		<i>For Grille (No Damper), Deduct</i>	-15.63	
		<i>For Stainless Steel, Add</i>	260.48	
23 37 13 13-0164	EA	18" x 18" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern .....	215.63	22.79
		<i>For Steel Construction, Deduct</i>	-19.03	
		<i>For Lay In Frame, Deduct</i>	-31.71	
		<i>For Three Way Pattern, Deduct</i>	-12.68	
		<i>For Two Way Pattern, Deduct</i>	-10.15	
		<i>For One Way Pattern, Deduct</i>	-10.15	
		<i>For Grille (No Damper), Deduct</i>	-19.03	
		<i>For Stainless Steel, Add</i>	317.10	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0165	EA		24" x 24" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern .....	284.62	23.92
			<i>For Steel Construction, Deduct</i>	-28.71	
			<i>For Lay In Frame, Deduct</i>	-47.85	
			<i>For Three Way Pattern, Deduct</i>	-19.14	
			<i>For Two Way Pattern, Deduct</i>	-15.31	
			<i>For One Way Pattern, Deduct</i>	-15.31	
			<i>For Grille (No Damper), Deduct</i>	-28.71	
			<i>For Stainless Steel, Add</i>	478.48	
23 37 13 13-0166	EA		30" x 30" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern .....	464.12	48.31
			<i>For Steel Construction, Deduct</i>	-55.12	
			<i>For Lay In Frame, Deduct</i>	-91.87	
			<i>For Three Way Pattern, Deduct</i>	-36.75	
			<i>For Two Way Pattern, Deduct</i>	-29.40	
			<i>For One Way Pattern, Deduct</i>	-29.40	
			<i>For Grille (No Damper), Deduct</i>	-55.12	
			<i>For Stainless Steel, Add</i>	918.73	
<b>23 37 13 13-0167</b>			<b>Removable-Reversible Core Registers</b> <small>(23 37 13 13-0155)</small>		
			Note: Double deflection radiused frame aluminum construction.		
23 37 13 13-0168	EA		6" x 6" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame .....	107.78	9.12
			<i>For Steel Construction, Deduct</i>	-7.25	
			<i>For Flat Frame, Deduct</i>	-7.25	
			<i>For Grille (No Damper), Deduct</i>	-21.74	
			<i>For Stainless Steel, Add</i>	181.20	
23 37 13 13-0169	EA		8" x 8" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame .....	137.22	9.12
			<i>For Steel Construction, Deduct</i>	-10.19	
			<i>For Flat Frame, Deduct</i>	-10.19	
			<i>For Grille (No Damper), Deduct</i>	-30.58	
			<i>For Stainless Steel, Add</i>	254.80	
23 37 13 13-0170	EA		12" x 6" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame .....	174.65	12.53
			<i>For Steel Construction, Deduct</i>	-12.68	
			<i>For Flat Frame, Deduct</i>	-12.68	
			<i>For Grille (No Damper), Deduct</i>	-38.05	
			<i>For Stainless Steel, Add</i>	317.10	
23 37 13 13-0171	EA		10" x 10" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame .....	176.91	12.53
			<i>For Steel Construction, Deduct</i>	-12.91	
			<i>For Flat Frame, Deduct</i>	-12.91	
			<i>For Grille (No Damper), Deduct</i>	-38.73	
			<i>For Stainless Steel, Add</i>	322.75	
23 37 13 13-0172	EA		12" x 12" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame .....	225.71	14.81
			<i>For Steel Construction, Deduct</i>	-16.76	
			<i>For Flat Frame, Deduct</i>	-16.76	
			<i>For Grille (No Damper), Deduct</i>	-50.28	
			<i>For Stainless Steel, Add</i>	419.03	
23 37 13 13-0173	EA		14" x 14" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame .....	322.13	18.23
			<i>For Steel Construction, Deduct</i>	-25.14	
			<i>For Flat Frame, Deduct</i>	-25.14	
			<i>For Grille (No Damper), Deduct</i>	-75.42	
			<i>For Stainless Steel, Add</i>	628.53	
23 37 13 13-0174	EA		16" x 16" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame .....	362.90	17.09
			<i>For Steel Construction, Deduct</i>	-29.22	
			<i>For Flat Frame, Deduct</i>	-29.22	
			<i>For Grille (No Damper), Deduct</i>	-87.65	
			<i>For Stainless Steel, Add</i>	730.45	
23 37 13 13-0175	EA		18" x 18" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame .....	437.59	22.79
			<i>For Steel Construction, Deduct</i>	-34.88	
			<i>For Flat Frame, Deduct</i>	-34.88	
			<i>For Grille (No Damper), Deduct</i>	-104.64	
			<i>For Stainless Steel, Add</i>	872.00	
23 37 13 13-0176	EA		24" x 24" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame .....	553.02	22.79
			<i>For Steel Construction, Deduct</i>	-45.98	
			<i>For Flat Frame, Deduct</i>	-45.98	
			<i>For Grille (No Damper), Deduct</i>	-137.94	
			<i>For Stainless Steel, Add</i>	1,149.48	
<b>23 37 13 13-0177</b>			<b>Adjustable Shutter Blade Registers</b> <small>(23 37 13 13-0155)</small>		
			Note: Double deflection flat frame aluminum construction.		
23 37 13 13-0178	EA		6" x 6" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame .....	167.42	9.12
			<i>For Steel Construction, Deduct</i>	-13.21	
			<i>For Single Deflection, Deduct</i>	-26.42	
			<i>For Grille (No Damper), Deduct</i>	-19.82	
			<i>For Stainless Steel, Add</i>	330.30	
23 37 13 13-0179	EA		8" x 8" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame .....	193.85	9.12
			<i>For Steel Construction, Deduct</i>	-15.86	
			<i>For Single Deflection, Deduct</i>	-31.71	
			<i>For Grille (No Damper), Deduct</i>	-23.78	
			<i>For Stainless Steel, Add</i>	396.38	
23 37 13 13-0180	EA		12" x 6" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame .....	206.36	12.53
			<i>For Steel Construction, Deduct</i>	-15.86	
			<i>For Single Deflection, Deduct</i>	-31.71	
			<i>For Grille (No Damper), Deduct</i>	-23.78	
			<i>For Stainless Steel, Add</i>	396.38	
23 37 13 13-0181	EA		10" x 10" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame .....	213.91	11.39
			<i>For Steel Construction, Deduct</i>	-16.61	
			<i>For Single Deflection, Deduct</i>	-33.22	
			<i>For Grille (No Damper), Deduct</i>	-24.92	
			<i>For Stainless Steel, Add</i>	415.25	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 37 Air Outlets and Inlets**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0182	EA		12" x 12" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	261.95	14.81
			<i>For Steel Construction, Deduct</i>	-20.39	
			<i>For Single Deflection, Deduct</i>	-40.77	
			<i>For Grille (No Damper), Deduct</i>	-30.58	
			<i>For Stainless Steel, Add</i>	509.63	
23 37 13 13-0183	EA		14" x 14" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	350.06	17.09
			<i>For Steel Construction, Deduct</i>	-27.93	
			<i>For Single Deflection, Deduct</i>	-55.87	
			<i>For Grille (No Damper), Deduct</i>	-41.90	
			<i>For Stainless Steel, Add</i>	698.35	
23 37 13 13-0184	EA		16" x 16" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	414.24	18.23
			<i>For Steel Construction, Deduct</i>	-34.35	
			<i>For Single Deflection, Deduct</i>	-68.70	
			<i>For Grille (No Damper), Deduct</i>	-51.53	
			<i>For Stainless Steel, Add</i>	858.80	
23 37 13 13-0185	EA		18" x 18" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	511.58	22.79
			<i>For Steel Construction, Deduct</i>	-42.28	
			<i>For Single Deflection, Deduct</i>	-84.56	
			<i>For Grille (No Damper), Deduct</i>	-63.42	
			<i>For Stainless Steel, Add</i>	1,056.98	
23 37 13 13-0186	EA		24" x 24" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	708.54	23.92
			<i>For Steel Construction, Deduct</i>	-61.53	
			<i>For Single Deflection, Deduct</i>	-123.06	
			<i>For Grille (No Damper), Deduct</i>	-92.30	
			<i>For Stainless Steel, Add</i>	1,538.28	
<b>23 37 13 13-0187</b>			<b>Air Conditioning And Ventilation</b> (23 37 13 13-0155)		
23 37 13 13-0188	EA		10" x 16" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction .....	78.85	23.92
			<i>For Stainless Steel, Add</i>	77.60	
23 37 13 13-0189	EA		18" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction .....	133.31	35.61
			<i>For Stainless Steel, Add</i>	155.23	
23 37 13 13-0190	EA		30" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction .....	203.17	49.85
			<i>For Stainless Steel, Add</i>	258.70	
23 37 13 13-0191	EA		48" x 24" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction .....	478.20	68.37
			<i>For Stainless Steel, Add</i>	853.68	
<b>23 37 13 13-0192</b>			<b>Square Wall Return Air And Exhaust Grilles</b> (23 37 13 13-0155)		
			Note: Egg crate design aluminum construction.		
23 37 13 13-0193	EA		8" x 8" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction .....	75.75	28.55
23 37 13 13-0194	EA		12" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction .....	81.49	28.55
23 37 13 13-0195	EA		18" x 18" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction .....	121.51	42.82
23 37 13 13-0196	EA		24" x 24" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction .....	150.21	42.82
23 37 13 13-0197	EA		28" x 28" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction .....	243.33	57.09
23 37 13 13-0198	EA		36" x 36" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction .....	416.61	56.97
<b>23 37 13 13-0199</b>			<b>Rectangular Four-Way Adjustable Deflection Wall Supply Grilles</b> (23 37 13 13-0155)		
			Note: Aluminum construction.		
23 37 13 13-0200	EA		12" x 6" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction .....	238.96	20.55
23 37 13 13-0201	EA		14" x 6" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction .....	272.93	20.55
23 37 13 13-0202	EA		18" x 8" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction .....	329.15	22.84
23 37 13 13-0203	EA		24" x 8" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction .....	389.53	22.84
23 37 13 13-0204	EA		36" x 20" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction .....	499.96	71.36
<b>23 37 13 13-0205</b>			<b>Square Ceiling Return Air And Exhaust Grilles</b> (23 37 13 13-0155)		
			Note: Egg crate design, plastic construction.		
23 37 13 13-0206	EA		24" x 24" Egg Crate Ceiling Return Air Or Exhaust Grille, Plastic Construction.....	45.95	13.67
23 37 13 13-0207	EA		24" x 48" Egg Crate Ceiling Return Air Or Exhaust Grille, Plastic Construction.....	66.39	13.78
<b>23 37 13 13-0208</b>			<b>Door Grilles Sight Proof Inverted Vee Cross Section</b> (23 37 13 13-0155)		
			Note: Painted steel louvers and frame.		
23 37 13 13-0209	EA		12" x 6" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel .....	133.56	20.55
23 37 13 13-0210	EA		12" x 12" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel .....	167.23	20.55
23 37 13 13-0211	EA		18" x 18" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel .....	208.76	21.69
23 37 13 13-0212	EA		24" x 24" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel .....	288.03	25.92
23 37 13 13-0213	EA		24" x 30" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel .....	319.69	47.61
<b>23 37 13 13-0214</b>			<b>Stainless Steel Devices</b> (23 37 13 13-0155)		
<b>23 37 13 13-0215</b>			<b>304 Stainless Steel, Louvered Partition/Door Grilles</b> (23 37 13 13-0214)		
23 37 13 13-0216	SF		Up To 4 SF, 304 Stainless Steel, Louvered Partition/Door Grille.....	178.80	17.81
			<i>For 316 Stainless Steel, Add</i>	29.82	
23 37 13 13-0217	SF		>4 SF, 304 Stainless Steel, Louvered Partition/Door Grille.....	151.59	17.81
			<i>For 316 Stainless Steel, Add</i>	24.38	
<b>23 37 13 13-0218</b>			<b>304 Stainless Steel, Single Deflection Supply Grilles</b> (23 37 13 13-0214)		
23 37 13 13-0219	SF		Up To 4 SF, 304 Stainless Steel, Single Deflection Supply Grille.....	136.52	17.81
			<i>For 316 Stainless Steel, Add</i>	21.37	
23 37 13 13-0220	SF		>4 SF, 304 Stainless Steel, Single Deflection Supply Grille.....	116.73	17.81
			<i>For 316 Stainless Steel, Add</i>	17.41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0221			<b>304 Stainless Steel, Double Deflection Supply Grilles</b> (23 37 13 13-0214)		
23 37 13 13-0222	SF		Up To 4 SF, 304 Stainless Steel, Double Deflection Supply Grille ..... <i>For 316 Stainless Steel, Add</i>	197.72 33.61	17.81
23 37 13 13-0223	SF		>4 SF, 304 Stainless Steel, Double Deflection Supply Grille ..... <i>For 316 Stainless Steel, Add</i>	169.16 27.89	17.81
23 37 13 13-0224			<b>304 Stainless Steel Return Grilles</b> (23 37 13 13-0214)		
23 37 13 13-0225	SF		Up To 4 SF, 304 Stainless Steel Return Grille..... <i>For 316 Stainless Steel, Add</i>	136.52 21.37	17.81
23 37 13 13-0226	SF		>4 SF, 304 Stainless Steel Return Grille ..... <i>For 316 Stainless Steel, Add</i>	116.73 17.41	17.81
23 37 13 13-0227			<b>304 Stainless Steel, Louvered Supply/Return Grilles</b> (23 37 13 13-0214)		
23 37 13 13-0228	SF		Up To 4 SF, 304 Stainless Steel, Louvered Supply/Return Grille..... <i>For 316 Stainless Steel, Add</i>	136.52 21.37	17.81
23 37 13 13-0229	SF		>4 SF, 304 Stainless Steel, Louvered Supply/Return Grille..... <i>For 316 Stainless Steel, Add</i>	116.73 17.41	17.81
23 37 13 13-0230			<b>304 Stainless Steel, Perforated Return Grilles</b> (23 37 13 13-0214)		
23 37 13 13-0231	SF		Up To 4 SF, 304 Stainless Steel, Perforated Return Grille..... <i>For 316 Stainless Steel, Add</i>	136.52 21.37	17.81
23 37 13 13-0232	SF		>4 SF, 304 Stainless Steel, Perforated Return Grille..... <i>For 316 Stainless Steel, Add</i>	111.29 16.32	17.81
23 37 13 13-0233			<b>304 Stainless Steel, Perforated Supply Grilles</b> (23 37 13 13-0214)		
23 37 13 13-0234	SF		Up To 4 SF, 304 Stainless Steel, Perforated Supply Grille..... <i>For 316 Stainless Steel, Add</i>	164.34 26.93	17.81
23 37 13 13-0235	SF		>4 SF, 304 Stainless Steel, Perforated Supply Grille ..... <i>For 316 Stainless Steel, Add</i>	114.19 16.90	17.81
23 37 13 13-0236			<b>304 Stainless Steel, Door Grilles</b> (23 37 13 13-0214)		
23 37 13 13-0237	SF		Up To 4 SF, 304 Stainless Steel, Door Grille..... <i>For 316 Stainless Steel, Add</i>	243.34 42.73	17.81
23 37 13 13-0238	SF		>4 SF, 304 Stainless Steel, Door Grille ..... <i>For 316 Stainless Steel, Add</i>	203.78 34.82	17.81
23 37 13 13-0239			<b>304 Stainless Steel, Linear Bar Grilles</b> (23 37 13 13-0214)		
23 37 13 13-0240	SF		Up To 4 SF, 304 Stainless Steel, Linear Bar Grille..... <i>For 316 Stainless Steel, Add</i>	309.74 56.01	17.81
23 37 13 13-0241	SF		>4 SF, 304 Stainless Steel, Linear Bar Grille..... <i>For 316 Stainless Steel, Add</i>	265.84 47.23	17.81
23 37 13 13-0242			<b>304 Stainless Steel, Hinged Filter Grilles</b> (23 37 13 13-0214)		
23 37 13 13-0243	SF		Up To 4 SF, 304 Stainless Steel, Hinged Filter Grille..... <i>For 316 Stainless Steel, Add</i>	228.88 39.84	17.81
23 37 13 13-0244	SF		>4 SF, 304 Stainless Steel, Hinged Filter Grille..... <i>For 316 Stainless Steel, Add</i>	159.64 25.99	17.81
23 37 13 13-0245			<b>304 Stainless Steel, Opposed Blade Dampers Grilles</b> (23 37 13 13-0214)		
23 37 13 13-0246	SF		Up To 4 SF, 304 Stainless Steel, Opposed Blade Dampers Grille ..... <i>For 316 Stainless Steel, Add</i>	125.39 19.14	17.81
23 37 13 13-0247	SF		Opposed Blade Dampers Grille, Stainless Steel 304, > 4 SF ..... <i>For 316 Stainless Steel, Add</i>	96.59 13.38	17.81
23 37 13 13-0248			<b>304 Stainless Steel, Plaster Frames Replacement</b> (23 37 13 13-0214) Note: For frequent replacement.		
23 37 13 13-0249	SF		To 4 SF, 304 Stainless Steel, Plaster Frames Replacement ..... <i>For 316 Stainless Steel, Add</i>	98.68 13.80	17.81
23 37 13 13-0250	SF		>4 SF, 304 Stainless Steel, Plaster Frames Replacement ..... <i>For 316 Stainless Steel, Add</i>	54.54 4.97	17.81
23 37 13 13-0251			<b>304 Stainless Steel, Modular Louvered Ceiling Diffusers</b> (23 37 13 13-0214)		
23 37 13 13-0252	SF		Up To 4 SF, 304 Stainless Steel, Modular Louvered Ceiling Diffuser..... <i>For 316 Stainless Steel, Add</i>	225.54 39.17	17.81
23 37 13 13-0253	SF		>4 SF, 304 Stainless Steel, Modular Louvered Ceiling Diffuser ..... <i>For 316 Stainless Steel, Add</i>	177.45 29.55	17.81
23 37 13 13-0254			<b>304 Stainless Steel, Latticed Supply/Return Grilles</b> (23 37 13 13-0214)		
23 37 13 13-0255	SF		Up To 4 SF, 304 Stainless Steel, Latticed Supply/Return Grille ..... <i>For 316 Stainless Steel, Add</i>	81.99 10.46	17.81
23 37 13 13-0256	SF		>4 SF, 304 Stainless Steel, Latticed Supply/Return Grille..... <i>For 316 Stainless Steel, Add</i>	81.99 10.46	17.81

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 37 Air Outlets and Inlets**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 37 13 13-0257	Removal And Reinstallation Of Distribution Devices <small>(23 37 13 13)</small>		
	Note: Includes storage and cleaning. Excludes ductwork.		
23 37 13 13-0258	EA Removal And Reinstallation Of Variable Air Volume Terminal Unit .....	213.64	
23 37 13 13-0259	EA Removal And Reinstallation Of Fan Powered Variable Volume Terminal Unit .....	235.63	
23 37 13 13-0260	EA Removal And Reinstallation Of Lay-in Diffuser/Register/Grille .....	35.32	
23 37 13 13-0261	EA Removal And Reinstallation Of Surface Mounted Diffuser/Register/Grille .....	47.83	
<b>23 37 13 43</b>	<b>Security Registers and Grilles <small>(23 37 13)</small></b>		
<b>23 37 13 43-0001</b>	<b>Security Supply Or Return Grille <small>(23 37 13 43)</small></b>		
	Note: Designed for maximum security applications, 3/16" steel face plate with 2" x 2" square holes, 1/4" steel backer plate, 3/16" welded steel sleeve, 10 gauge x 2 wire mesh between face and backer plates, 1" x 1" x 3/16" angle iron frame, standard finish.		
23 37 13 43-0002	EA 8" x 4" Steel Security Grille .....	225.00	17.13
	For Anchoring Tabs, Add	19.08	
	For Angle Iron Frame, Add	32.04	
	For Rear Operated Opposed Blade Damper, Add	70.19	
	For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
	For 1" x 1" Square Holes On Face, Add	47.69	
	For Stainless Steel, Add	247.98	
23 37 13 43-0003	EA 8" x 6" Steel Security Grille .....	249.27	17.69
	For Anchoring Tabs, Add	21.39	
	For Angle Iron Frame, Add	35.62	
	For Rear Operated Opposed Blade Damper, Add	78.39	
	For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
	For 1" x 1" Square Holes On Face, Add	53.47	
	For Stainless Steel, Add	278.03	
23 37 13 43-0004	EA 8" x 8" Steel Security Grille .....	285.62	19.98
	For Anchoring Tabs, Add	24.57	
	For Angle Iron Frame, Add	40.85	
	For Rear Operated Opposed Blade Damper, Add	89.98	
	For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
	For 1" x 1" Square Holes On Face, Add	61.42	
	For Stainless Steel, Add	319.36	
23 37 13 43-0005	EA 10" x 4" Steel Security Grille .....	249.80	19.40
	For Anchoring Tabs, Add	21.10	
	For Angle Iron Frame, Add	35.53	
	For Rear Operated Opposed Blade Damper, Add	77.73	
	For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
	For 1" x 1" Square Holes On Face, Add	52.75	
	For Stainless Steel, Add	274.27	
23 37 13 43-0006	EA 10" x 6" Steel Security Grille .....	266.54	20.55
	For Anchoring Tabs, Add	22.54	
	For Angle Iron Frame, Add	37.93	
	For Rear Operated Opposed Blade Damper, Add	83.01	
	For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
	For 1" x 1" Square Holes On Face, Add	56.36	
	For Stainless Steel, Add	293.06	
23 37 13 43-0007	EA 10" x 8" Steel Security Grille .....	304.64	22.26
	For Anchoring Tabs, Add	26.01	
	For Angle Iron Frame, Add	43.47	
	For Rear Operated Opposed Blade Damper, Add	95.49	
	For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
	For 1" x 1" Square Holes On Face, Add	65.03	
	For Stainless Steel, Add	338.14	
23 37 13 43-0008	EA 10" x 10" Steel Security Grille .....	339.85	23.98
	For Anchoring Tabs, Add	29.19	
	For Angle Iron Frame, Add	48.58	
	For Rear Operated Opposed Blade Damper, Add	106.96	
	For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
	For 1" x 1" Square Holes On Face, Add	72.98	
	For Stainless Steel, Add	379.47	
23 37 13 43-0009	EA 12" x 4" Steel Security Grille .....	263.03	21.69
	For Anchoring Tabs, Add	21.97	
	For Angle Iron Frame, Add	37.29	
	For Rear Operated Opposed Blade Damper, Add	81.22	
	For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
	For 1" x 1" Square Holes On Face, Add	54.91	
	For Stainless Steel, Add	285.55	
23 37 13 43-0010	EA 12" x 6" Steel Security Grille .....	293.61	23.98
	For Anchoring Tabs, Add	24.57	
	For Angle Iron Frame, Add	41.64	
	For Rear Operated Opposed Blade Damper, Add	90.78	
	For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
	For 1" x 1" Square Holes On Face, Add	61.42	
	For Stainless Steel, Add	319.36	
23 37 13 43-0011	EA 12" x 8" Steel Security Grille .....	334.61	25.69
	For Anchoring Tabs, Add	28.32	
	For Angle Iron Frame, Add	47.62	
	For Rear Operated Opposed Blade Damper, Add	104.27	
	For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
	For 1" x 1" Square Holes On Face, Add	70.81	
	For Stainless Steel, Add	368.20	
23 37 13 43-0012	EA 12" x 10" Steel Security Grille .....	364.04	27.40
	For Anchoring Tabs, Add	30.92	
	For Angle Iron Frame, Add	51.87	
	For Rear Operated Opposed Blade Damper, Add	113.71	
	For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
	For 1" x 1" Square Holes On Face, Add	77.31	
	For Stainless Steel, Add	402.01	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 43-0013	EA		12" x 12" Steel Security Grille.....	402.15	29.11
			<i>For Anchoring Tabs, Add</i>	34.39	
			<i>For Angle Iron Frame, Add</i>	57.41	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	126.20	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	85.98	
			<i>For Stainless Steel, Add</i>	447.11	
23 37 13 43-0014	EA		14" x 4" Steel Security Grille.....	280.90	23.40
			<i>For Anchoring Tabs, Add</i>	23.41	
			<i>For Angle Iron Frame, Add</i>	39.80	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	86.62	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	58.53	
			<i>For Stainless Steel, Add</i>	304.33	
23 37 13 43-0015	EA		14" x 6" Steel Security Grille.....	316.13	25.11
			<i>For Anchoring Tabs, Add</i>	26.59	
			<i>For Angle Iron Frame, Add</i>	44.91	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	98.09	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	66.47	
			<i>For Stainless Steel, Add</i>	345.66	
23 37 13 43-0016	EA		14" x 8" Steel Security Grille.....	352.48	27.40
			<i>For Anchoring Tabs, Add</i>	29.77	
			<i>For Angle Iron Frame, Add</i>	50.13	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	109.67	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	74.42	
			<i>For Stainless Steel, Add</i>	386.98	
23 37 13 43-0017	EA		14" x 10" Steel Security Grille.....	397.51	29.69
			<i>For Anchoring Tabs, Add</i>	33.82	
			<i>For Angle Iron Frame, Add</i>	56.66	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	124.29	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	84.54	
			<i>For Stainless Steel, Add</i>	439.60	
23 37 13 43-0018	EA		14" x 12" Steel Security Grille.....	437.90	32.54
			<i>For Anchoring Tabs, Add</i>	37.28	
			<i>For Angle Iron Frame, Add</i>	62.43	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	137.00	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	93.21	
			<i>For Stainless Steel, Add</i>	484.68	
23 37 13 43-0019	EA		14" x 14" Steel Security Grille.....	471.37	34.82
			<i>For Anchoring Tabs, Add</i>	40.17	
			<i>For Angle Iron Frame, Add</i>	67.22	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	147.57	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	100.43	
			<i>For Stainless Steel, Add</i>	522.25	
23 37 13 43-0020	EA		16" x 6" Steel Security Grille.....	338.03	27.40
			<i>For Anchoring Tabs, Add</i>	28.32	
			<i>For Angle Iron Frame, Add</i>	47.96	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	104.61	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	70.81	
			<i>For Stainless Steel, Add</i>	368.20	
23 37 13 43-0021	EA		16" x 8" Steel Security Grille.....	385.95	29.69
			<i>For Anchoring Tabs, Add</i>	32.66	
			<i>For Angle Iron Frame, Add</i>	54.92	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	120.24	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	81.65	
			<i>For Stainless Steel, Add</i>	424.57	
23 37 13 43-0022	EA		16" x 10" Steel Security Grille.....	416.53	31.97
			<i>For Anchoring Tabs, Add</i>	35.26	
			<i>For Angle Iron Frame, Add</i>	59.28	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	129.80	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	88.15	
			<i>For Stainless Steel, Add</i>	458.38	
23 37 13 43-0023	EA		16" x 12" Steel Security Grille.....	469.09	33.68
			<i>For Anchoring Tabs, Add</i>	40.17	
			<i>For Angle Iron Frame, Add</i>	67.00	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	147.34	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	100.43	
			<i>For Stainless Steel, Add</i>	522.25	
23 37 13 43-0024	EA		16" x 14" Steel Security Grille.....	496.77	35.97
			<i>For Anchoring Tabs, Add</i>	42.49	
			<i>For Angle Iron Frame, Add</i>	70.92	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	155.89	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	106.21	
			<i>For Stainless Steel, Add</i>	552.31	
23 37 13 43-0025	EA		16" x 16" Steel Security Grille.....	538.91	38.25
			<i>For Anchoring Tabs, Add</i>	46.24	
			<i>For Angle Iron Frame, Add</i>	77.01	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	169.50	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	115.61	
			<i>For Stainless Steel, Add</i>	601.15	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 37 Air Outlets and Inlets**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 43-0026	EA		18" x 6" Steel Security Grille .....	359.33	30.82
			For Anchoring Tabs, Add	29.77	
			For Angle Iron Frame, Add	50.82	
			For Rear Operated Opposed Blade Damper, Add	110.35	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	74.42	
			For Stainless Steel, Add	386.98	
23 37 13 43-0027	EA		18" x 8" Steel Security Grille .....	410.15	33.11
			For Anchoring Tabs, Add	34.39	
			For Angle Iron Frame, Add	58.21	
			For Rear Operated Opposed Blade Damper, Add	127.00	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	85.98	
			For Stainless Steel, Add	447.11	
23 37 13 43-0028	EA		18" x 10" Steel Security Grille .....	449.39	35.40
			For Anchoring Tabs, Add	37.86	
			For Angle Iron Frame, Add	63.87	
			For Rear Operated Opposed Blade Damper, Add	139.59	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	94.65	
			For Stainless Steel, Add	492.19	
23 37 13 43-0029	EA		18" x 12" Steel Security Grille .....	494.42	37.68
			For Anchoring Tabs, Add	41.91	
			For Angle Iron Frame, Add	70.40	
			For Rear Operated Opposed Blade Damper, Add	154.21	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	104.77	
			For Stainless Steel, Add	544.79	
23 37 13 43-0030	EA		18" x 14" Steel Security Grille .....	527.96	37.11
			For Anchoring Tabs, Add	45.38	
			For Angle Iron Frame, Add	75.48	
			For Rear Operated Opposed Blade Damper, Add	166.23	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	113.44	
			For Stainless Steel, Add	589.88	
23 37 13 43-0031	EA		18" x 16" Steel Security Grille .....	577.63	38.82
			For Anchoring Tabs, Add	50.00	
			For Angle Iron Frame, Add	82.76	
			For Rear Operated Opposed Blade Damper, Add	182.76	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	125.00	
			For Stainless Steel, Add	649.99	
23 37 13 43-0032	EA		18" x 18" Steel Security Grille .....	618.62	40.53
			For Anchoring Tabs, Add	53.76	
			For Angle Iron Frame, Add	88.74	
			For Rear Operated Opposed Blade Damper, Add	196.25	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	134.39	
			For Stainless Steel, Add	698.83	
23 37 13 43-0033	EA		20" x 6" Steel Security Grille .....	385.27	33.68
			For Anchoring Tabs, Add	31.79	
			For Angle Iron Frame, Add	54.42	
			For Rear Operated Opposed Blade Damper, Add	118.00	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	79.48	
			For Stainless Steel, Add	413.28	
23 37 13 43-0034	EA		20" x 8" Steel Security Grille .....	435.48	37.11
			For Anchoring Tabs, Add	36.13	
			For Angle Iron Frame, Add	61.61	
			For Rear Operated Opposed Blade Damper, Add	133.87	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	90.32	
			For Stainless Steel, Add	469.65	
23 37 13 43-0035	EA		20" x 10" Steel Security Grille .....	479.37	38.82
			For Anchoring Tabs, Add	40.17	
			For Angle Iron Frame, Add	68.02	
			For Rear Operated Opposed Blade Damper, Add	148.37	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	100.43	
			For Stainless Steel, Add	522.25	
23 37 13 43-0036	EA		20" x 12" Steel Security Grille .....	527.28	41.11
			For Anchoring Tabs, Add	44.51	
			For Angle Iron Frame, Add	74.98	
			For Rear Operated Opposed Blade Damper, Add	164.00	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	111.27	
			For Stainless Steel, Add	578.60	
23 37 13 43-0037	EA		20" x 14" Steel Security Grille .....	579.83	42.82
			For Anchoring Tabs, Add	49.42	
			For Angle Iron Frame, Add	82.69	
			For Rear Operated Opposed Blade Damper, Add	181.54	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	123.55	
			For Stainless Steel, Add	642.47	
23 37 13 43-0038	EA		20" x 16" Steel Security Grille .....	626.61	44.53
			For Anchoring Tabs, Add	53.76	
			For Angle Iron Frame, Add	89.54	
			For Rear Operated Opposed Blade Damper, Add	197.05	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	134.39	
			For Stainless Steel, Add	698.83	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 37 13 43-0039	EA		20" x 18" Steel Security Grille.....	670.50	46.24
			<i>For Anchoring Tabs, Add</i>	57.80	
			<i>For Angle Iron Frame, Add</i>	95.95	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	211.56	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	144.51	
			<i>For Stainless Steel, Add</i>	751.44	
23 37 13 43-0040	EA		20" x 20" Steel Security Grille.....	723.06	47.95
			<i>For Anchoring Tabs, Add</i>	62.72	
			<i>For Angle Iron Frame, Add</i>	103.66	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	229.10	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	156.79	
			<i>For Stainless Steel, Add</i>	815.31	
23 37 13 43-0041	EA		24" x 6" Steel Security Grille.....	427.94	37.68
			<i>For Anchoring Tabs, Add</i>	35.26	
			<i>For Angle Iron Frame, Add</i>	60.42	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	130.94	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	88.15	
			<i>For Stainless Steel, Add</i>	458.38	
23 37 13 43-0042	EA		24" x 8" Steel Security Grille.....	483.93	41.11
			<i>For Anchoring Tabs, Add</i>	40.17	
			<i>For Angle Iron Frame, Add</i>	68.48	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	148.83	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	100.43	
			<i>For Stainless Steel, Add</i>	522.25	
23 37 13 43-0043	EA		24" x 10" Steel Security Grille.....	529.56	42.24
			<i>For Anchoring Tabs, Add</i>	44.51	
			<i>For Angle Iron Frame, Add</i>	75.21	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	164.23	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	111.27	
			<i>For Stainless Steel, Add</i>	578.60	
23 37 13 43-0044	EA		24" x 12" Steel Security Grille.....	593.60	46.81
			<i>For Anchoring Tabs, Add</i>	50.00	
			<i>For Angle Iron Frame, Add</i>	84.36	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	184.36	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	125.00	
			<i>For Stainless Steel, Add</i>	649.99	
23 37 13 43-0045	EA		24" x 14" Steel Security Grille.....	640.37	48.53
			<i>For Anchoring Tabs, Add</i>	54.33	
			<i>For Angle Iron Frame, Add</i>	91.20	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	199.87	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	135.84	
			<i>For Stainless Steel, Add</i>	706.34	
23 37 13 43-0046	EA		24" x 16" Steel Security Grille.....	698.72	50.24
			<i>For Anchoring Tabs, Add</i>	59.83	
			<i>For Angle Iron Frame, Add</i>	99.79	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	219.44	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	149.57	
			<i>For Stainless Steel, Add</i>	777.74	
23 37 13 43-0047	EA		24" x 18" Steel Security Grille.....	765.72	51.95
			<i>For Anchoring Tabs, Add</i>	66.18	
			<i>For Angle Iron Frame, Add</i>	109.66	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	242.03	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	165.46	
			<i>For Stainless Steel, Add</i>	860.39	
23 37 13 43-0048	EA		24" x 20" Steel Security Grille.....	812.48	53.66
			<i>For Anchoring Tabs, Add</i>	70.52	
			<i>For Angle Iron Frame, Add</i>	116.51	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	257.55	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	176.30	
			<i>For Stainless Steel, Add</i>	916.75	
23 37 13 43-0049	EA		24" x 24" Steel Security Grille.....	911.82	57.09
			<i>For Anchoring Tabs, Add</i>	79.77	
			<i>For Angle Iron Frame, Add</i>	131.07	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	290.60	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	199.42	
			<i>For Stainless Steel, Add</i>	1,036.98	

**23 37 23 HVAC Gravity Ventilators (23 37)**
**23 37 23 13 HVAC Gravity Dome Ventilators (23 37 23)**
**23 37 23 13-0001 Rectangular Gravity Intake/Relief Ventilator Hood (23 37 23 13)**

Note: Includes flange base and bird screen. Excludes curb.

23 37 23 13-0002	EA		8" x 8" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	639.60	66.09
23 37 23 13-0003	EA		8" x 12" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	682.28	75.66
23 37 23 13-0004	EA		8" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	852.49	94.11
23 37 23 13-0005	EA		8" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	908.01	100.16
23 37 23 13-0006	EA		8" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,059.72	116.57
23 37 23 13-0007	EA		10" x 10" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	751.78	75.21

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 37 Air Outlets and Inlets



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

Table with columns for item number, description, and costs. Includes items like '12" x 12" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood'.

23 38 Ventilation Hoods (23 30)

23 38 13 Commercial-Kitchen Hoods (23 38)

23 38 13 13 Listed Commercial-Kitchen Hoods (23 38 13)

Table entry: 23 38 13 13 0001 Universal Ventless Hood (23 38 13 13) 23 38 13 13 0002 EA 109" Wide x 50" Deep x 102" High, Ventless Exhaust Hood With Stand, (Wells WVU-96) 42,818.73 464.81

23 38 13 16 Standard Commercial-Kitchen Hoods (23 38 13)

Table entry: 23 38 13 16 0001 Commercial Kitchen Hood Ventilation System (23 38 13 16) Note: Excludes fire suppression. See CSI section 21 24 16 00-0000 for fire suppression system, 23 31 13 23-0000 for duct, 23 34 16 00-0108 for exhaust and supply fans. 23 38 13 16 0002 Dry Filter Exhaust Hoods (23 38 13 16-0001) Note: Includes stainless steel filters, exhaust damper and 48" long fluorescent light fixtures. 23 38 13 16 0003 EA 8' Long x 60" Deep Dry Filter Exhaust Hood 10,291.71 872.06 23 38 13 16 0004 EA 8'-6" Long x 60" Deep Dry Filter Exhaust Hood 10,724.02 926.58

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 38 13 16-0005	EA		9' Long x 60" Deep Dry Filter Exhaust Hood.....	11,953.32	981.08
23 38 13 16-0006	EA		9'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	12,319.29	1,035.58
23 38 13 16-0007	EA		10' Long x 60" Deep Dry Filter Exhaust Hood.....	12,763.22	1,090.08
23 38 13 16-0008	EA		10'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	13,231.90	1,144.59
23 38 13 16-0009	EA		11' Long x 60" Deep Dry Filter Exhaust Hood.....	13,676.48	1,199.09
23 38 13 16-0010	EA		11'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	14,134.48	1,253.59
23 38 13 16-0011	EA		12' Long x 60" Deep Dry Filter Exhaust Hood.....	14,643.14	1,308.11
23 38 13 16-0012	EA		12'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	15,084.99	1,362.61
23 38 13 16-0013	EA		13' Long x 60" Deep Dry Filter Exhaust Hood.....	15,461.99	1,417.11
23 38 13 16-0014	EA		13'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	16,065.55	1,471.61
23 38 13 16-0015	EA		14' Long x 60" Deep Dry Filter Exhaust Hood.....	17,960.10	1,526.12
23 38 13 16-0016	EA		14'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	18,446.17	1,580.62
23 38 13 16-0017	EA		15' Long x 60" Deep Dry Filter Exhaust Hood.....	19,103.24	1,635.12
23 38 13 16-0018	EA		15'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	19,599.93	1,689.63
23 38 13 16-0019	EA		16' Long x 60" Deep Dry Filter Exhaust Hood.....	20,338.79	1,744.14
<b>23 38 13 16-0020 Dry Extractor Exhaust Hoods (23 38 13 16-0001)</b>					
Note: Includes extractor inserts, exhaust damper, 48" long fluorescent light fixtures, and UDS filler panels.					
23 38 13 16-0021	EA		8' Long x 60" Deep Dry Extractor Exhaust Hood.....	14,360.13	872.06
23 38 13 16-0022	EA		8'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	14,818.19	926.58
23 38 13 16-0023	EA		9' Long x 60" Deep Dry Extractor Exhaust Hood.....	16,124.75	981.08
23 38 13 16-0024	EA		9'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	16,593.71	1,035.58
23 38 13 16-0025	EA		10' Long x 60" Deep Dry Extractor Exhaust Hood.....	17,063.39	1,090.08
23 38 13 16-0026	EA		10'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	17,506.32	1,144.59
23 38 13 16-0027	EA		11' Long x 60" Deep Dry Extractor Exhaust Hood.....	17,976.65	1,199.09
23 38 13 16-0028	EA		11'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	18,421.77	1,253.59
23 38 13 16-0029	EA		12' Long x 60" Deep Dry Extractor Exhaust Hood.....	18,840.31	1,308.11
23 38 13 16-0030	EA		12'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	19,436.66	1,362.61
23 38 13 16-0031	EA		13' Long x 60" Deep Dry Extractor Exhaust Hood.....	20,125.53	1,417.11
23 38 13 16-0032	EA		13'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	20,854.96	1,471.61
23 38 13 16-0033	EA		14' Long x 60" Deep Dry Extractor Exhaust Hood.....	22,376.14	1,526.12
23 38 13 16-0034	EA		14'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	23,119.71	1,580.62
23 38 13 16-0035	EA		15' Long x 60" Deep Dry Extractor Exhaust Hood.....	24,562.14	1,635.12
23 38 13 16-0036	EA		15'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	26,024.43	1,689.63
23 38 13 16-0037	EA		16' Long x 60" Deep Dry Extractor Exhaust Hood.....	27,471.41	1,744.14
<b>23 38 13 16-0038 Single Manifold Water Wash Exhaust Hoods (23 38 13 16-0001)</b>					
Note: Includes extraction baffles, 48" long fluorescent light fixtures, and UDS filler panels. Excludes fan wash control panel.					
23 38 13 16-0039	EA		8' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	15,390.12	872.06
23 38 13 16-0040	EA		8'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	15,873.92	926.58
23 38 13 16-0041	EA		9' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	17,206.23	981.08
23 38 13 16-0042	EA		9'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	17,688.06	1,035.58
23 38 13 16-0043	EA		10' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	18,196.37	1,090.08
23 38 13 16-0044	EA		10'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	18,665.04	1,144.59
23 38 13 16-0045	EA		11' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	19,148.25	1,199.09
23 38 13 16-0046	EA		11'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	19,632.00	1,253.59
23 38 13 16-0047	EA		12' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	20,063.41	1,308.11
23 38 13 16-0048	EA		12'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	20,711.26	1,362.61
23 38 13 16-0049	EA		13' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	21,451.63	1,417.11
23 38 13 16-0050	EA		13'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	22,232.56	1,471.61
23 38 13 16-0051	EA		14' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	23,805.24	1,526.12
23 38 13 16-0052	EA		14'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	24,600.31	1,580.62
23 38 13 16-0053	EA		15' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	26,184.36	1,635.12
23 38 13 16-0054	EA		15'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	26,977.17	1,689.63
23 38 13 16-0055	EA		16' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	27,767.53	1,744.14
23 38 13 16-0056	EA		Fan Wash Control Panel.....	11,013.97	436.03
Note: Includes time clock and backflow preventer.					
<b>23 38 13 16-0057 Utility Distribution System (UDS) (23 38 13 16-0001)</b>					
Note: Includes "L" shaped primary riser, secondary riser, horizontal mechanical and electrical raceway; 2" IPS looped gas manifold with two (2) solenoid gas valves; 1" hot water manifold; 1" cold water manifold; 100 Amp 120-208 VAC/3 Ph/60 Hz main shunt trip connectors; equipment restraints; flexible drain connectors; and power interruption device. Excludes main shunt breaker.					
23 38 13 16-0058	EA		8' Long UDS.....	31,437.82	443.45
23 38 13 16-0059	EA		8'-6" Long UDS.....	32,365.62	454.24
23 38 13 16-0060	EA		9' Long UDS.....	33,283.30	464.81
23 38 13 16-0061	EA		9'-6" Long UDS.....	34,209.60	479.63
23 38 13 16-0062	EA		10' Long UDS.....	35,129.74	491.41
23 38 13 16-0063	EA		10'-6" Long UDS.....	36,041.31	503.83
23 38 13 16-0064	EA		11' Long UDS.....	36,964.84	512.44
23 38 13 16-0065	EA		11'-6" Long UDS.....	37,888.35	525.97
23 38 13 16-0066	EA		12' Long UDS.....	38,823.15	545.05
23 38 13 16-0067	EA		12'-6" Long UDS.....	39,771.61	570.98
23 38 13 16-0068	EA		13' Long UDS.....	40,701.75	587.77
23 38 13 16-0069	EA		13'-6" Long UDS.....	41,646.29	611.75
23 38 13 16-0070	EA		14' Long UDS.....	42,581.47	631.05
23 38 13 16-0071	EA		14'-6" Long UDS.....	43,519.18	651.66
23 38 13 16-0072	EA		15' Long UDS.....	44,459.67	673.67
23 38 13 16-0073	EA		15'-6" Long UDS.....	45,403.21	697.11
23 38 13 16-0074	EA		16' Long UDS.....	46,332.96	713.78

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 38 Ventilation Hoods**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 38 13 16-0075		Stainless Steel Exhaust Hood Material <sup>(23 38 13 16)</sup>	
Note: Welded seams.			
23 38 13 16-0076	SF	16 Gauge, Type 304, Stainless Steel Exhaust Hood Material .....	41.63
		For Type 316 Stainless Steel, Add .....	1.12
23 38 13 16-0077	SF	14 Gauge, Type 304, Stainless Steel Exhaust Hood Material .....	52.05
		For Type 316 Stainless Steel, Add .....	1.40
23 38 13 16-0078	SF	12 Gauge, Type 304, Stainless Steel Exhaust Hood Material .....	72.25
		For Type 316 Stainless Steel, Add .....	1.95
23 38 13 16-0079	SF	10 Gauge, Type 304, Stainless Steel Exhaust Hood Material .....	90.39
		For Type 316 Stainless Steel, Add .....	2.51
23 38 13 16-0080		Kitchen Exhaust Hood <sup>(23 38 13 16)</sup>	
23 38 13 16-0081	EA	10' x 4', Type 1, Low Ceiling Sloped Front Commercial Kitchen Hood System With PSP Makeup Air (Halifax LPSHP1048).....	9,531.39
		Note: Ductwork connections by others.	
		For Type 316 Stainless Steel, Add .....	532.49
23 38 13 16-0082	EA	8' x 4', Type 1, Commercial Kitchen Hood System With Short Cycle Makeup Air (Halifax SCHP848).....	8,690.10
		Note: Ductwork connections by others.	
		For Type 316 Stainless Steel, Add .....	532.49
23 38 13 16-0083	EA	4' x 4', Type 1, Low Ceiling Sloped Front Commercial Kitchen Hood System (Halifax LEXHP448).....	4,716.76
		Note: Ductwork connections by others.	
		For Type 316 Stainless Steel, Add .....	303.42
23 38 13 16-0084	EA	6' x 4', Type 1, Low Ceiling Sloped Front Commercial Kitchen Hood System (Halifax LEXHP648).....	6,078.05
		Note: Ductwork connections by others.	
		For Type 316 Stainless Steel, Add .....	355.42
23 38 13 16-0085	EA	5' x 4', Type 1, Commercial Kitchen Hood System (Halifax EXHP548) .....	5,474.71
		Note: Ductwork connections by others.	
		For Type 316 Stainless Steel, Add .....	337.15

**23 40 HVAC Air Cleaning Devices <sup>(23)</sup>****23 41 Particulate Air Filtration <sup>(23 40)</sup>****23 41 13 Panel Air Filters <sup>(23 41)</sup>**

23 41 13 00-0001		Disposable Air Filters <sup>(23 41 13)</sup>	
23 41 13 00-0002	EA	Throwaway Glass Or Paper Media Filter, Residential.....	12.59

23 41 13 00-0003		Disposable Fiberglass Air Filters <sup>(23 41 13)</sup>	
23 41 13 00-0004	EA	8" x 16" x 1" Disposable Fiberglass Air Filter, MERV 5 .....	12.73
		Note: One-piece kraft fiberboard frame with two metal grids.	
23 41 13 00-0005	EA	8" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 .....	12.73
		Note: One-piece kraft fiberboard frame with two metal grids.	
23 41 13 00-0006	EA	8" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 .....	12.46
		Note: One-piece kraft fiberboard frame with two metal grids.	
23 41 13 00-0007	EA	10" x 10" x 1" Disposable Fiberglass Air Filter, MERV 5 .....	12.35
		Note: One-piece kraft fiberboard frame with two metal grids.	
23 41 13 00-0008	EA	10" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5 .....	12.35
		Note: One-piece kraft fiberboard frame with two metal grids.	
23 41 13 00-0009	EA	10" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 .....	12.35
		Note: One-piece kraft fiberboard frame with two metal grids.	
23 41 13 00-0010	EA	10" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 .....	12.35
		Note: One-piece kraft fiberboard frame with two metal grids.	
23 41 13 00-0011	EA	10" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 .....	12.57
		Note: One-piece kraft fiberboard frame with two metal grids.	
23 41 13 00-0012	EA	12" x 12" x 1" Disposable Fiberglass Air Filter, MERV 5 .....	13.06
		Note: One-piece kraft fiberboard frame with two metal grids.	
23 41 13 00-0013	EA	12" x 16" x 1" Disposable Fiberglass Air Filter, MERV 5 .....	13.03
		Note: One-piece kraft fiberboard frame with two metal grids.	
23 41 13 00-0014	EA	12" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5 .....	12.40
		Note: One-piece kraft fiberboard frame with two metal grids.	
23 41 13 00-0015	EA	12" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 .....	12.40
		Note: One-piece kraft fiberboard frame with two metal grids.	
23 41 13 00-0016	EA	12" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 .....	12.40
		Note: One-piece kraft fiberboard frame with two metal grids.	
23 41 13 00-0017	EA	12" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 .....	14.87
		Note: One-piece kraft fiberboard frame with two metal grids.	
23 41 13 00-0018	EA	12" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5 .....	17.69
		Note: One-piece kraft fiberboard frame with two metal grids.	
23 41 13 00-0019	EA	14" x 14" x 1" Disposable Fiberglass Air Filter, MERV 5 .....	14.06
		Note: One-piece kraft fiberboard frame with two metal grids.	
23 41 13 00-0020	EA	14" x 18" x 1" Disposable Fiberglass Air Filter, MERV 5 .....	16.42
		Note: One-piece kraft fiberboard frame with two metal grids.	
23 41 13 00-0021	EA	14" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5 .....	13.15
		Note: One-piece kraft fiberboard frame with two metal grids.	
23 41 13 00-0022	EA	14" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 .....	14.06
		Note: One-piece kraft fiberboard frame with two metal grids.	
23 41 13 00-0023	EA	14" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 .....	13.15
		Note: One-piece kraft fiberboard frame with two metal grids.	
23 41 13 00-0024	EA	14" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 .....	14.91
		Note: One-piece kraft fiberboard frame with two metal grids.	
23 41 13 00-0025	EA	15" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5 .....	13.30
		Note: One-piece kraft fiberboard frame with two metal grids.	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41	13 00-0026	EA	15" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	13.30	6.51
23 41	13 00-0027	EA	15" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	17.42	6.51
23 41	13 00-0028	EA	16" x 16" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	13.44	6.60
23 41	13 00-0029	EA	16" x 18" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	14.97	6.60
23 41	13 00-0030	EA	16" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	13.49	6.60
23 41	13 00-0031	EA	16" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	14.40	6.60
23 41	13 00-0032	EA	16" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	12.90	6.60
23 41	13 00-0033	EA	16" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	17.55	6.60
23 41	13 00-0034	EA	16" x 32" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	20.97	6.60
23 41	13 00-0035	EA	16" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	20.70	6.60
23 41	13 00-0036	EA	18" x 18" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	14.74	6.85
23 41	13 00-0037	EA	18" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	14.38	6.85
23 41	13 00-0038	EA	18" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	14.74	6.85
23 41	13 00-0039	EA	18" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	15.93	6.85
23 41	13 00-0040	EA	18" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	17.66	6.85
23 41	13 00-0041	EA	18" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	19.66	6.85
23 41	13 00-0042	EA	19" x 27" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	16.46	7.19
23 41	13 00-0043	EA	20" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	13.69	7.19
23 41	13 00-0044	EA	20" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	16.81	7.19
23 41	13 00-0045	EA	20" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	16.08	7.19
23 41	13 00-0046	EA	20" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	17.56	7.19
23 41	13 00-0047	EA	20" x 32" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	21.77	7.19
23 41	13 00-0048	EA	20" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	19.56	7.19
23 41	13 00-0049	EA	21" x 21" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	17.72	7.28
23 41	13 00-0050	EA	22" x 22" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	16.91	7.36
23 41	13 00-0051	EA	24" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	17.02	7.45
23 41	13 00-0052	EA	24" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	17.62	7.45
23 41	13 00-0053	EA	24" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	23.78	7.45
23 41	13 00-0054	EA	25" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	17.14	7.53
23 41	13 00-0055	EA	25" x 32" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	24.27	7.53
23 41	13 00-0056	EA	10" x 10" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	14.21	5.74
23 41	13 00-0057	EA	10" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	13.19	5.74
23 41	13 00-0058	EA	12" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	15.44	5.99
23 41	13 00-0059	EA	14" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	15.89	6.33
23 41	13 00-0060	EA	14" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	15.89	6.33
23 41	13 00-0061	EA	15" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	16.23	6.51
23 41	13 00-0062	EA	16" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	16.12	6.60
23 41	13 00-0063	EA	16" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	15.96	6.60
23 41	13 00-0064	EA	16" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	16.34	6.60
23 41	13 00-0065	EA	18" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	17.34	6.85
23 41	13 00-0066	EA	20" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	17.90	7.19
23 41	13 00-0067	EA	20" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	17.64	7.19
23 41	13 00-0068	EA	20" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	17.64	7.19
23 41	13 00-0069	EA	24" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	18.25	7.45

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 40 HVAC Air Cleaning Devices**

**23 41 Particulate Air Filtration**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM	UNIT COST	UNIT COST

23 41	13 00-0070	EA	25" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	18.37	7.53
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**23 41 13 00-0071 Disposable Pleated Air Filters (23 41 13)**

23 41	13 00-0072	EA	10" x 20" x 1" Disposable Pleated Air Filter, MERV 8	13.39	5.74
23 41	13 00-0073	EA	10" x 24" x 1" Disposable Pleated Air Filter, MERV 8	20.16	5.74
23 41	13 00-0074	EA	10" x 30" x 1" Disposable Pleated Air Filter, MERV 8	25.51	5.74
23 41	13 00-0075	EA	12" x 12" x 1" Disposable Pleated Air Filter, MERV 8	17.39	5.99
23 41	13 00-0076	EA	12" x 20" x 1" Disposable Pleated Air Filter, MERV 8	16.13	5.99
23 41	13 00-0077	EA	12" x 24" x 1" Disposable Pleated Air Filter, MERV 8	15.93	5.99
23 41	13 00-0078	EA	12" x 25" x 1" Disposable Pleated Air Filter, MERV 8	15.93	5.99
23 41	13 00-0079	EA	12" x 30" x 1" Disposable Pleated Air Filter, MERV 8	25.86	5.99
23 41	13 00-0080	EA	14" x 14" x 1" Disposable Pleated Air Filter, MERV 8	19.72	6.33
23 41	13 00-0081	EA	14" x 20" x 1" Disposable Pleated Air Filter, MERV 8	16.58	6.33
23 41	13 00-0082	EA	14" x 24" x 1" Disposable Pleated Air Filter, MERV 8	21.32	6.33
23 41	13 00-0083	EA	14" x 25" x 1" Disposable Pleated Air Filter, MERV 8	17.16	6.33
23 41	13 00-0084	EA	14" x 30" x 1" Disposable Pleated Air Filter, MERV 8	24.88	6.33
23 41	13 00-0085	EA	15" x 20" x 1" Disposable Pleated Air Filter, MERV 8	16.93	6.51
23 41	13 00-0086	EA	16" x 16" x 1" Disposable Pleated Air Filter, MERV 8	20.06	6.60
23 41	13 00-0087	EA	16" x 20" x 1" Disposable Pleated Air Filter, MERV 8	16.65	6.60
23 41	13 00-0088	EA	16" x 24" x 1" Disposable Pleated Air Filter, MERV 8	19.52	6.60
23 41	13 00-0089	EA	16" x 25" x 1" Disposable Pleated Air Filter, MERV 8	17.30	6.60
23 41	13 00-0090	EA	16" x 30" x 1" Disposable Pleated Air Filter, MERV 8	25.22	6.60
23 41	13 00-0091	EA	18" x 18" x 1" Disposable Pleated Air Filter, MERV 8	26.99	6.85
23 41	13 00-0092	EA	18" x 20" x 1" Disposable Pleated Air Filter, MERV 8	19.82	6.85
23 41	13 00-0093	EA	18" x 24" x 1" Disposable Pleated Air Filter, MERV 8	19.46	6.85
23 41	13 00-0094	EA	18" x 25" x 1" Disposable Pleated Air Filter, MERV 8	19.21	6.85
23 41	13 00-0095	EA	18" x 30" x 1" Disposable Pleated Air Filter, MERV 8	27.16	6.85
23 41	13 00-0096	EA	20" x 20" x 1" Disposable Pleated Air Filter, MERV 8	18.20	7.19
23 41	13 00-0097	EA	20" x 24" x 1" Disposable Pleated Air Filter, MERV 8	19.50	7.19
23 41	13 00-0098	EA	20" x 25" x 1" Disposable Pleated Air Filter, MERV 8	19.28	7.19
23 41	13 00-0099	EA	20" x 30" x 1" Disposable Pleated Air Filter, MERV 8	21.88	7.19
23 41	13 00-0100	EA	22" x 22" x 1" Disposable Pleated Air Filter, MERV 8	26.72	7.36
23 41	13 00-0101	EA	24" x 24" x 1" Disposable Pleated Air Filter, MERV 8	20.79	7.45
23 41	13 00-0102	EA	24" x 30" x 1" Disposable Pleated Air Filter, MERV 8	33.08	7.45
23 41	13 00-0103	EA	25" x 25" x 1" Disposable Pleated Air Filter, MERV 8	22.04	7.53
23 41	13 00-0104	EA	10" x 20" x 2" Disposable Pleated Air Filter, MERV 8	15.91	5.74
23 41	13 00-0105	EA	12" x 12" x 2" Disposable Pleated Air Filter, MERV 8	20.91	5.99
23 41	13 00-0106	EA	12" x 20" x 2" Disposable Pleated Air Filter, MERV 8	16.68	5.99
23 41	13 00-0107	EA	12" x 24" x 2" Disposable Pleated Air Filter, MERV 8	16.42	5.99
23 41	13 00-0108	EA	14" x 20" x 2" Disposable Pleated Air Filter, MERV 8	17.35	6.33
23 41	13 00-0109	EA	14" x 25" x 2" Disposable Pleated Air Filter, MERV 8	18.14	6.33
23 41	13 00-0110	EA	15" x 20" x 2" Disposable Pleated Air Filter, MERV 8	17.58	6.51
23 41	13 00-0111	EA	16" x 16" x 2" Disposable Pleated Air Filter, MERV 8	22.25	6.60
23 41	13 00-0112	EA	16" x 20" x 2" Disposable Pleated Air Filter, MERV 8	17.21	6.60
23 41	13 00-0113	EA	16" x 24" x 2" Disposable Pleated Air Filter, MERV 8	19.71	6.60
23 41	13 00-0114	EA	16" x 25" x 2" Disposable Pleated Air Filter, MERV 8	18.22	6.60
23 41	13 00-0115	EA	18" x 18" x 2" Disposable Pleated Air Filter, MERV 8	25.75	6.85
23 41	13 00-0116	EA	18" x 20" x 2" Disposable Pleated Air Filter, MERV 8	21.88	6.85
23 41	13 00-0117	EA	18" x 24" x 2" Disposable Pleated Air Filter, MERV 8	19.82	6.85
23 41	13 00-0118	EA	18" x 25" x 2" Disposable Pleated Air Filter, MERV 8	20.61	6.85
23 41	13 00-0119	EA	20" x 20" x 2" Disposable Pleated Air Filter, MERV 8	19.21	7.19
23 41	13 00-0120	EA	20" x 24" x 2" Disposable Pleated Air Filter, MERV 8	20.65	7.19
23 41	13 00-0121	EA	20" x 25" x 2" Disposable Pleated Air Filter, MERV 8	20.40	7.19
23 41	13 00-0122	EA	20" x 30" x 2" Disposable Pleated Air Filter, MERV 8	29.73	7.19
23 41	13 00-0123	EA	24" x 24" x 2" Disposable Pleated Air Filter, MERV 8	21.89	7.45
23 41	13 00-0124	EA	25" x 25" x 2" Disposable Pleated Air Filter, MERV 8	24.26	7.53
23 41	13 00-0125	EA	12" x 24" x 4" Disposable Pleated Air Filter, MERV 8	25.46	5.99
23 41	13 00-0126	EA	16" x 20" x 4" Disposable Pleated Air Filter, MERV 8	27.50	6.60
23 41	13 00-0127	EA	16" x 25" x 4" Disposable Pleated Air Filter, MERV 8	29.44	6.60
23 41	13 00-0128	EA	18" x 24" x 4" Disposable Pleated Air Filter, MERV 8	31.78	6.85
23 41	13 00-0129	EA	20" x 20" x 4" Disposable Pleated Air Filter, MERV 8	30.14	7.19
23 41	13 00-0130	EA	20" x 24" x 4" Disposable Pleated Air Filter, MERV 8	32.86	7.19
23 41	13 00-0131	EA	20" x 25" x 4" Disposable Pleated Air Filter, MERV 8	33.11	7.19
23 41	13 00-0132	EA	24" x 24" x 4" Disposable Pleated Air Filter, MERV 8	36.18	7.45
23 41	13 00-0133	EA	10" x 20" x 1" Disposable Pleated Air Filter, MERV 11	23.13	5.74
23 41	13 00-0134	EA	10" x 24" x 1" Disposable Pleated Air Filter, MERV 11	23.13	5.74
23 41	13 00-0135	EA	10" x 30" x 1" Disposable Pleated Air Filter, MERV 11	30.15	5.74
23 41	13 00-0136	EA	12" x 12" x 1" Disposable Pleated Air Filter, MERV 11	24.53	5.99
23 41	13 00-0137	EA	12" x 20" x 1" Disposable Pleated Air Filter, MERV 11	23.90	5.99
23 41	13 00-0138	EA	12" x 24" x 1" Disposable Pleated Air Filter, MERV 11	23.80	5.99
23 41	13 00-0139	EA	12" x 30" x 1" Disposable Pleated Air Filter, MERV 11	34.26	5.99
23 41	13 00-0140	EA	14" x 14" x 1" Disposable Pleated Air Filter, MERV 11	27.91	6.33
23 41	13 00-0141	EA	14" x 20" x 1" Disposable Pleated Air Filter, MERV 11	24.51	6.33
23 41	13 00-0142	EA	14" x 24" x 1" Disposable Pleated Air Filter, MERV 11	31.82	6.33
23 41	13 00-0143	EA	14" x 25" x 1" Disposable Pleated Air Filter, MERV 11	31.11	6.33
23 41	13 00-0144	EA	14" x 30" x 1" Disposable Pleated Air Filter, MERV 11	36.63	6.33
23 41	13 00-0145	EA	15" x 20" x 1" Disposable Pleated Air Filter, MERV 11	23.49	6.51
23 41	13 00-0146	EA	16" x 16" x 1" Disposable Pleated Air Filter, MERV 11	33.51	6.60
23 41	13 00-0147	EA	16" x 20" x 1" Disposable Pleated Air Filter, MERV 11	21.89	6.60
23 41	13 00-0148	EA	16" x 24" x 1" Disposable Pleated Air Filter, MERV 11	28.41	6.60
23 41	13 00-0149	EA	16" x 25" x 1" Disposable Pleated Air Filter, MERV 11	26.06	6.60
23 41	13 00-0150	EA	16" x 30" x 1" Disposable Pleated Air Filter, MERV 11	34.60	6.60
23 41	13 00-0151	EA	18" x 18" x 1" Disposable Pleated Air Filter, MERV 11	35.39	6.85



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 13 00-0152	EA	18" x 20" x 1"	Disposable Pleated Air Filter, MERV 11	29.94	6.85
23 41 13 00-0153	EA	18" x 24" x 1"	Disposable Pleated Air Filter, MERV 11	26.93	6.85
23 41 13 00-0154	EA	18" x 25" x 1"	Disposable Pleated Air Filter, MERV 11	28.75	6.85
23 41 13 00-0155	EA	18" x 30" x 1"	Disposable Pleated Air Filter, MERV 11	40.08	6.85
23 41 13 00-0156	EA	20" x 20" x 1"	Disposable Pleated Air Filter, MERV 11	27.03	7.19
23 41 13 00-0157	EA	20" x 24" x 1"	Disposable Pleated Air Filter, MERV 11	29.72	7.19
23 41 13 00-0158	EA	20" x 25" x 1"	Disposable Pleated Air Filter, MERV 11	30.01	7.19
23 41 13 00-0159	EA	20" x 30" x 1"	Disposable Pleated Air Filter, MERV 11	35.02	7.19
23 41 13 00-0160	EA	22" x 22" x 1"	Disposable Pleated Air Filter, MERV 11	38.82	7.36
23 41 13 00-0161	EA	24" x 24" x 1"	Disposable Pleated Air Filter, MERV 11	32.59	7.45
23 41 13 00-0162	EA	24" x 30" x 1"	Disposable Pleated Air Filter, MERV 11	42.43	7.45
23 41 13 00-0163	EA	25" x 25" x 1"	Disposable Pleated Air Filter, MERV 11	36.76	7.53
23 41 13 00-0164	EA	10" x 20" x 2"	Disposable Pleated Air Filter, MERV 11	23.55	5.74
23 41 13 00-0165	EA	12" x 12" x 2"	Disposable Pleated Air Filter, MERV 11	24.81	5.99
23 41 13 00-0166	EA	12" x 20" x 2"	Disposable Pleated Air Filter, MERV 11	23.56	5.99
23 41 13 00-0167	EA	12" x 24" x 2"	Disposable Pleated Air Filter, MERV 11	27.75	5.99
23 41 13 00-0168	EA	14" x 20" x 2"	Disposable Pleated Air Filter, MERV 11	24.80	6.33
23 41 13 00-0169	EA	14" x 25" x 2"	Disposable Pleated Air Filter, MERV 11	26.00	6.33
23 41 13 00-0170	EA	15" x 20" x 2"	Disposable Pleated Air Filter, MERV 11	25.47	6.51
23 41 13 00-0171	EA	16" x 16" x 2"	Disposable Pleated Air Filter, MERV 11	34.22	6.60
23 41 13 00-0172	EA	16" x 20" x 2"	Disposable Pleated Air Filter, MERV 11	29.73	6.60
23 41 13 00-0173	EA	16" x 24" x 2"	Disposable Pleated Air Filter, MERV 11	28.97	6.60
23 41 13 00-0174	EA	16" x 25" x 2"	Disposable Pleated Air Filter, MERV 11	32.87	6.60
23 41 13 00-0175	EA	18" x 18" x 2"	Disposable Pleated Air Filter, MERV 11	39.49	6.85
23 41 13 00-0176	EA	18" x 20" x 2"	Disposable Pleated Air Filter, MERV 11	31.21	6.85
23 41 13 00-0177	EA	18" x 24" x 2"	Disposable Pleated Air Filter, MERV 11	35.69	6.85
23 41 13 00-0178	EA	18" x 25" x 2"	Disposable Pleated Air Filter, MERV 11	30.86	6.85
23 41 13 00-0179	EA	20" x 20" x 2"	Disposable Pleated Air Filter, MERV 11	34.25	7.19
23 41 13 00-0180	EA	20" x 24" x 2"	Disposable Pleated Air Filter, MERV 11	36.74	7.19
23 41 13 00-0181	EA	20" x 25" x 2"	Disposable Pleated Air Filter, MERV 11	37.11	7.19
23 41 13 00-0182	EA	24" x 24" x 2"	Disposable Pleated Air Filter, MERV 11	37.08	7.45
23 41 13 00-0183	EA	25" x 25" x 2"	Disposable Pleated Air Filter, MERV 11	37.57	7.53
23 41 13 00-0184	EA	12" x 24" x 4"	Disposable Pleated Air Filter, MERV 11	45.37	5.99
23 41 13 00-0185	EA	16" x 20" x 4"	Disposable Pleated Air Filter, MERV 11	46.43	6.60
23 41 13 00-0186	EA	16" x 25" x 4"	Disposable Pleated Air Filter, MERV 11	55.38	6.60
23 41 13 00-0187	EA	18" x 24" x 4"	Disposable Pleated Air Filter, MERV 11	55.28	6.85
23 41 13 00-0188	EA	20" x 20" x 4"	Disposable Pleated Air Filter, MERV 11	55.05	7.19
23 41 13 00-0189	EA	20" x 24" x 4"	Disposable Pleated Air Filter, MERV 11	60.67	7.19
23 41 13 00-0190	EA	20" x 25" x 4"	Disposable Pleated Air Filter, MERV 11	60.67	7.19
23 41 13 00-0191	EA	24" x 24" x 4"	Disposable Pleated Air Filter, MERV 11	67.74	7.45
23 41 13 00-0192	EA	8" x 16" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13	29.63	5.48
23 41 13 00-0193	EA	8" x 24" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13	29.63	5.48
23 41 13 00-0194	EA	8" x 30" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13	29.63	5.48
23 41 13 00-0195	EA	10" x 10" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13	29.97	5.74
23 41 13 00-0196	EA	10" x 20" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13	28.66	5.74
23 41 13 00-0197	EA	10" x 24" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13	29.97	5.74
23 41 13 00-0198	EA	10" x 25" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13	29.97	5.74
23 41 13 00-0199	EA	10" x 30" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13	29.97	5.74
23 41 13 00-0200	EA	12" x 12" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13	29.01	5.99
23 41 13 00-0201	EA	12" x 16" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13	30.32	5.99
23 41 13 00-0202	EA	12" x 20" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13	29.01	5.99
23 41 13 00-0203	EA	12" x 24" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13	29.01	5.99
23 41 13 00-0204	EA	12" x 25" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13	30.32	5.99
23 41 13 00-0205	EA	12" x 30" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13	30.32	5.99
23 41 13 00-0206	EA	12" x 36" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.63	5.99
23 41 13 00-0207	EA	14" x 14" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13	29.46	6.33
23 41 13 00-0208	EA	14" x 18" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13	30.77	6.33
23 41 13 00-0209	EA	14" x 20" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13	29.46	6.33
23 41 13 00-0210	EA	14" x 24" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13	29.46	6.33
23 41 13 00-0211	EA	14" x 25" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13	29.46	6.33
23 41 13 00-0212	EA	14" x 30" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13	30.77	6.33
23 41 13 00-0213	EA	15" x 20" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13	29.69	6.51
23 41 13 00-0214	EA	15" x 25" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.00	6.51
23 41 13 00-0215	EA	15" x 30" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.00	6.51
23 41 13 00-0216	EA	16" x 16" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13	29.80	6.60
23 41 13 00-0217	EA	16" x 18" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.11	6.60
23 41 13 00-0218	EA	16" x 20" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13	29.80	6.60
23 41 13 00-0219	EA	16" x 24" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13	29.80	6.60
23 41 13 00-0220	EA	16" x 25" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13	29.80	6.60
23 41 13 00-0221	EA	16" x 30" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.11	6.60
23 41 13 00-0222	EA	16" x 32" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.11	6.60
23 41 13 00-0223	EA	16" x 36" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13	35.38	6.60
23 41 13 00-0224	EA	18" x 18" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13	30.14	6.85
23 41 13 00-0225	EA	18" x 20" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.76	6.85
23 41 13 00-0226	EA	18" x 24" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13	30.14	6.85
23 41 13 00-0227	EA	18" x 25" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.76	6.85
23 41 13 00-0228	EA	18" x 30" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.76	6.85
23 41 13 00-0229	EA	18" x 36" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13	35.72	6.85
23 41 13 00-0230	EA	19" x 27" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.22	7.19
23 41 13 00-0231	EA	20" x 20" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13	30.60	7.19
23 41 13 00-0232	EA	20" x 24" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13	30.60	7.19
23 41 13 00-0233	EA	20" x 25" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13	30.60	7.19
23 41 13 00-0234	EA	20" x 30" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.91	7.19
23 41 13 00-0235	EA	20" x 32" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13	36.18	7.19
23 41 13 00-0236	EA	20" x 36" x 1"	Disposable Pleated Electrostatically Charged Air Filter, MERV 13	36.18	7.19

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 40 HVAC Air Cleaning Devices****23 41 Particulate Air Filtration**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
23 41 13 00-0237	EA	21" x 21" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	33.34		7.28
23 41 13 00-0238	EA	22" x 22" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	32.14		7.36
23 41 13 00-0239	EA	24" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	34.88		7.45
23 41 13 00-0240	EA	24" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	34.88		7.45
23 41 13 00-0241	EA	24" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	39.14		7.45
23 41 13 00-0242	EA	25" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	35.00		7.53
23 41 13 00-0243	EA	25" x 32" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	39.26		7.53
23 41 13 00-0244	EA	30" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	39.48		7.70
<b>23 41 13 00-0245</b>		<b>Carbon Vapor Trap, Disposable V-Bank Filter (23 41 13)</b>			
23 41 13 00-0246	EA	24" x 24" x 12" Thick Carbon Vapor, Disposable V-Bank Filter .....	765.05		17.13
<b>23 41 13 00-0247</b>		<b>Electrostatic Air Filters With Frame, Element And Busbar (23 41 13)</b>			
23 41 13 00-0248	MF3	Electrostatic Air Filter, High Efficiency Non Supported With Frame, Element And Busbar .....	68.34		
23 41 13 00-0249	MF3	Electrostatic Air Filter, Medium Efficiency Non Supported With Frame, Element And Busbar .....	66.00		
23 41 13 00-0250	MF3	Electrostatic Air Filter, Glass/Paper Throwaway With Frame, Element And Busbar .....	2.85		
<b>23 41 16</b>		<b>Renewable-Media Air Filters (23 41)</b>			
<b>23 41 16 00-0001</b>		<b>Renewable-Media Electrostatic Air Filters With Frame, Element And Busbar (23 41 16)</b>			
23 41 16 00-0002	MF3	Electrostatic Air Filter, 5' Disposable Roll Renewable With Frame, Element And Busbar.....	117.60		
<b>23 41 19</b>		<b>Washable Air Filters (23 41)</b>			
<b>23 41 19 00-0001</b>		<b>Washable Electrostatic Air Filters With Frame, Element And Busbar (23 41 19)</b>			
23 41 19 00-0002	MF3	Electrostatic Air Filter, Permanent, Washable With Frame, Element And Busbar .....	44.90		
<b>23 41 33</b>		<b>High-Efficiency Particulate Filtration (23 41)</b>			
<b>23 41 33 00-0001</b>		<b>High Efficiency Particulate Air (HEPA) Filters (23 41 33)</b>			
		Note: Includes particle board and kraft paper frame and separator material. See CSI section 23 41 13 00-0000 for prefilters.			
<b>23 41 33 00-0002</b>		<b>High Efficiency Particulate Air (HEPA) Filters DOP Efficiency-95% (23 41 33 00-0001)</b>			
23 41 33 00-0003	EA	12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 150 CFM, Complete.....	121.03		15.98
		<i>For Removal And Replacement In Existing Equipment, Add</i>	3.20		
		<i>For &gt;10 To 25, Deduct</i>	-3.03		
		<i>For &gt;25 To 50, Deduct</i>	-6.05		
		<i>For &gt;50 To 100, Deduct</i>	-9.08		
		<i>For &gt;100, Deduct</i>	-12.10		
23 41 33 00-0004	EA	24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 375 CFM, Complete.....	160.84		18.27
		<i>For Removal And Replacement In Existing Equipment, Add</i>	3.65		
		<i>For &gt;10 To 25, Deduct</i>	-4.02		
		<i>For &gt;25 To 50, Deduct</i>	-8.04		
		<i>For &gt;50 To 100, Deduct</i>	-12.06		
		<i>For &gt;100, Deduct</i>	-16.08		
23 41 33 00-0005	EA	24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 450 CFM, Complete.....	188.25		21.13
		<i>For Removal And Replacement In Existing Equipment, Add</i>	4.22		
		<i>For &gt;10 To 25, Deduct</i>	-4.71		
		<i>For &gt;25 To 50, Deduct</i>	-9.41		
		<i>For &gt;50 To 100, Deduct</i>	-14.12		
		<i>For &gt;100, Deduct</i>	-18.83		
23 41 33 00-0006	EA	24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 700 CFM, Complete.....	215.67		23.98
		<i>For Removal And Replacement In Existing Equipment, Add</i>	4.80		
		<i>For &gt;10 To 25, Deduct</i>	-5.39		
		<i>For &gt;25 To 50, Deduct</i>	-10.78		
		<i>For &gt;50 To 100, Deduct</i>	-16.18		
		<i>For &gt;100, Deduct</i>	-21.57		
23 41 33 00-0007	EA	12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 250 CFM, Complete.....	147.40		17.13
		<i>For Removal And Replacement In Existing Equipment, Add</i>	3.43		
		<i>For &gt;10 To 25, Deduct</i>	-3.69		
		<i>For &gt;25 To 50, Deduct</i>	-7.37		
		<i>For &gt;50 To 100, Deduct</i>	-11.06		
		<i>For &gt;100, Deduct</i>	-14.74		
23 41 33 00-0008	EA	24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 500 CFM, Complete.....	197.89		19.98
		<i>For Removal And Replacement In Existing Equipment, Add</i>	4.00		
		<i>For &gt;10 To 25, Deduct</i>	-4.95		
		<i>For &gt;25 To 50, Deduct</i>	-9.89		
		<i>For &gt;50 To 100, Deduct</i>	-14.84		
		<i>For &gt;100, Deduct</i>	-19.79		
23 41 33 00-0009	EA	24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 875 CFM, Complete.....	236.51		22.84
		<i>For Removal And Replacement In Existing Equipment, Add</i>	4.57		
		<i>For &gt;10 To 25, Deduct</i>	-5.91		
		<i>For &gt;25 To 50, Deduct</i>	-11.83		
		<i>For &gt;50 To 100, Deduct</i>	-17.74		
		<i>For &gt;100, Deduct</i>	-23.65		
23 41 33 00-0010	EA	24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 1,000 CFM, Complete.....	280.85		28.55
		<i>For Removal And Replacement In Existing Equipment, Add</i>	5.71		
		<i>For &gt;10 To 25, Deduct</i>	-7.02		
		<i>For &gt;25 To 50, Deduct</i>	-14.04		
		<i>For &gt;50 To 100, Deduct</i>	-21.06		
		<i>For &gt;100, Deduct</i>	-28.09		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 41 33 00-0011			<b>High Efficiency Particulate Air (HEPA) Filters DOP Efficiency-99.99%</b> <small>(23 41 33 00-0001)</small>		
23 41 33 00-0012	EA		12" x 12" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete .....	103.71	14.27
			<i>For Removal And Replacement In Existing Equipment, Add</i>	2.86	
			<i>For &gt;10 To 25, Deduct</i>	-2.59	
			<i>For &gt;25 To 50, Deduct</i>	-5.19	
			<i>For &gt;50 To 100, Deduct</i>	-7.78	
			<i>For &gt;100, Deduct</i>	-10.37	
23 41 33 00-0013	EA		24" x 12" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete .....	143.47	17.13
			<i>For Removal And Replacement In Existing Equipment, Add</i>	3.43	
			<i>For &gt;10 To 25, Deduct</i>	-3.59	
			<i>For &gt;25 To 50, Deduct</i>	-7.17	
			<i>For &gt;50 To 100, Deduct</i>	-10.76	
			<i>For &gt;100, Deduct</i>	-14.35	
23 41 33 00-0014	EA		24" x 24" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete .....	219.41	19.98
			<i>For Removal And Replacement In Existing Equipment, Add</i>	4.00	
			<i>For &gt;10 To 25, Deduct</i>	-5.49	
			<i>For &gt;25 To 50, Deduct</i>	-10.97	
			<i>For &gt;50 To 100, Deduct</i>	-16.46	
			<i>For &gt;100, Deduct</i>	-21.94	
23 41 33 00-0015	EA		36" x 24" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete .....	282.04	22.84
			<i>For Removal And Replacement In Existing Equipment, Add</i>	4.57	
			<i>For &gt;10 To 25, Deduct</i>	-7.05	
			<i>For &gt;25 To 50, Deduct</i>	-14.10	
			<i>For &gt;50 To 100, Deduct</i>	-21.15	
			<i>For &gt;100, Deduct</i>	-28.20	
23 41 33 00-0016	EA		8" x 8" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete .....	97.93	11.42
			<i>For Removal And Replacement In Existing Equipment, Add</i>	2.28	
			<i>For &gt;10 To 25, Deduct</i>	-2.45	
			<i>For &gt;25 To 50, Deduct</i>	-4.90	
			<i>For &gt;50 To 100, Deduct</i>	-7.34	
			<i>For &gt;100, Deduct</i>	-9.79	
23 41 33 00-0017	EA		12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 150 CFM, Complete .....	129.78	15.42
			<i>For Removal And Replacement In Existing Equipment, Add</i>	3.08	
			<i>For &gt;10 To 25, Deduct</i>	-3.24	
			<i>For &gt;25 To 50, Deduct</i>	-6.49	
			<i>For &gt;50 To 100, Deduct</i>	-9.73	
			<i>For &gt;100, Deduct</i>	-12.98	
23 41 33 00-0018	EA		24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 325 CFM, Complete .....	174.66	18.27
			<i>For Removal And Replacement In Existing Equipment, Add</i>	3.65	
			<i>For &gt;10 To 25, Deduct</i>	-4.37	
			<i>For &gt;25 To 50, Deduct</i>	-8.73	
			<i>For &gt;50 To 100, Deduct</i>	-13.10	
			<i>For &gt;100, Deduct</i>	-17.47	
23 41 33 00-0019	EA		24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 550 CFM, Complete .....	205.05	21.41
			<i>For Removal And Replacement In Existing Equipment, Add</i>	4.28	
			<i>For &gt;10 To 25, Deduct</i>	-5.13	
			<i>For &gt;25 To 50, Deduct</i>	-10.25	
			<i>For &gt;50 To 100, Deduct</i>	-15.38	
			<i>For &gt;100, Deduct</i>	-20.51	
23 41 33 00-0020	EA		24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 775 CFM, Complete .....	234.30	23.98
			<i>For Removal And Replacement In Existing Equipment, Add</i>	4.80	
			<i>For &gt;10 To 25, Deduct</i>	-5.86	
			<i>For &gt;25 To 50, Deduct</i>	-11.72	
			<i>For &gt;50 To 100, Deduct</i>	-17.57	
			<i>For &gt;100, Deduct</i>	-23.43	
23 41 33 00-0021	EA		12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 250 CFM, Complete .....	159.97	17.13
			<i>For Removal And Replacement In Existing Equipment, Add</i>	3.43	
			<i>For &gt;10 To 25, Deduct</i>	-4.00	
			<i>For &gt;25 To 50, Deduct</i>	-8.00	
			<i>For &gt;50 To 100, Deduct</i>	-12.00	
			<i>For &gt;100, Deduct</i>	-16.00	
23 41 33 00-0022	EA		24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 500 CFM, Complete .....	215.44	19.98
			<i>For Removal And Replacement In Existing Equipment, Add</i>	4.00	
			<i>For &gt;10 To 25, Deduct</i>	-5.39	
			<i>For &gt;25 To 50, Deduct</i>	-10.77	
			<i>For &gt;50 To 100, Deduct</i>	-16.16	
			<i>For &gt;100, Deduct</i>	-21.54	
23 41 33 00-0023	EA		24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 775 CFM, Complete .....	257.72	22.84
			<i>For Removal And Replacement In Existing Equipment, Add</i>	4.57	
			<i>For &gt;10 To 25, Deduct</i>	-6.44	
			<i>For &gt;25 To 50, Deduct</i>	-12.89	
			<i>For &gt;50 To 100, Deduct</i>	-19.33	
			<i>For &gt;100, Deduct</i>	-25.77	
23 41 33 00-0024	EA		24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 1,100 CFM, Complete .....	317.54	28.55
			<i>For Removal And Replacement In Existing Equipment, Add</i>	5.71	
			<i>For &gt;10 To 25, Deduct</i>	-7.94	
			<i>For &gt;25 To 50, Deduct</i>	-15.88	
			<i>For &gt;50 To 100, Deduct</i>	-23.82	
			<i>For &gt;100, Deduct</i>	-31.75	
23 41 33 00-0025			<b>High Efficiency Particulate Air (HEPA) Filter Housings, 14 Gauge Galvanized Sheet Metal</b> <small>(23 41 33)</small>		
			Note: Nominal sizes.		
23 41 33 00-0026	EA		12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal .....	297.06	85.18
23 41 33 00-0027	EA		24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal .....	554.05	169.31
23 41 33 00-0028	EA		24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal .....	562.64	169.31

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 40 HVAC Air Cleaning Devices****23 41 Particulate Air Filtration**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 41 33 00-0029	EA	24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	568.36	169.31
23 41 33 00-0030	EA	24" x 48" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	608.43	169.31
23 41 33 00-0031	EA	24" x 72" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	658.52	169.31
23 41 33 00-0032	EA	48" x 48" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,073.74	339.68
23 41 33 00-0033	EA	48" x 72" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,195.39	339.68
23 41 33 00-0034	EA	48" x 96" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,349.95	339.68
23 41 33 00-0035	EA	12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	321.39	85.18
23 41 33 00-0036	EA	24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	595.55	169.31
23 41 33 00-0037	EA	24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	605.57	169.31
23 41 33 00-0038	EA	24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	612.72	169.31
23 41 33 00-0039	EA	24" x 48" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	659.95	169.31
23 41 33 00-0040	EA	24" x 72" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	722.92	169.31
23 41 33 00-0041	EA	48" x 48" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,173.92	339.68
23 41 33 00-0042	EA	48" x 72" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,325.62	339.68
23 41 33 00-0043	EA	48" x 96" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,517.39	339.68

**23 41 33 00-0044 Filter, Bag Type, 90-95% Efficiency (23 41 33)**

23 41 33 00-0045	EA	0.75 - 1.25 MCFM, 24" x 12" x 29" Filter, Bag Type, 90 - 95% Efficiency	263.51	110.42
23 41 33 00-0046	EA	1.5 - 2.5 MCFM, 24" x 24" x 29" Filter, Bag Type, 90 - 95% Efficiency	303.56	110.42

**23 41 33 00-0047 Filter, Bag Type, 80-85% Efficiency (23 41 33)**

23 41 33 00-0048	EA	0.75 - 1.25 MCFM, 24" x 12" x 29" Filter, Bag Type, 80 - 85% Efficiency	258.92	110.42
23 41 33 00-0049	EA	1.5 - 2.5 MCFM, 24" x 24" x 29" Filter, Bag Type, 80 - 85% Efficiency	288.46	110.42

**23 42 Gas-Phase Air Filtration (23 40)****23 42 13 Activated-Carbon Air Filtration (23 42)**

23 42 13 00-0001	EA	12" x 24" x 1" Thick Activated Carbon Honeycomb Disposable Filter	43.64	8.56
23 42 13 00-0002	EA	16" x 20" x 1" Thick Activated Carbon Honeycomb Disposable Filter	44.14	8.56
23 42 13 00-0003	EA	16" x 25" x 1" Thick Activated Carbon Honeycomb Disposable Filter	44.44	8.56
23 42 13 00-0004	EA	20" x 20" x 1" Thick Activated Carbon Honeycomb Disposable Filter	44.44	8.56
23 42 13 00-0005	EA	20" x 25" x 1" Thick Activated Carbon Honeycomb Disposable Filter	48.20	8.56
23 42 13 00-0006	EA	24" x 24" x 1" Thick Activated Carbon Honeycomb Disposable Filter	54.37	8.56
23 42 13 00-0007	EA	12" x 24" x 2" Thick Activated Carbon Honeycomb Disposable Filter	55.14	9.71
23 42 13 00-0008	EA	16" x 20" x 2" Thick Activated Carbon Honeycomb Disposable Filter	55.56	9.71
23 42 13 00-0009	EA	16" x 25" x 2" Thick Activated Carbon Honeycomb Disposable Filter	55.92	9.71
23 42 13 00-0010	EA	20" x 20" x 2" Thick Activated Carbon Honeycomb Disposable Filter	55.92	9.71
23 42 13 00-0011	EA	20" x 25" x 2" Thick Activated Carbon Honeycomb Disposable Filter	60.07	9.71
23 42 13 00-0012	EA	24" x 24" x 2" Thick Activated Carbon Honeycomb Disposable Filter	71.63	9.71
23 42 13 00-0013	EA	16" x 20" x 1" Thick Carbon Impregnated Pleated Air Filter	26.47	8.56
23 42 13 00-0014	EA	16" x 25" x 1" Thick Carbon Impregnated Pleated Air Filter	28.25	8.56
23 42 13 00-0015	EA	20" x 20" x 1" Thick Carbon Impregnated Pleated Air Filter	28.32	8.56
23 42 13 00-0016	EA	20" x 25" x 1" Thick Carbon Impregnated Pleated Air Filter	30.66	8.56
23 42 13 00-0017	EA	24" x 24" x 1" Thick Carbon Impregnated Pleated Air Filter	32.73	8.56
23 42 13 00-0018	EA	16" x 20" x 2" Thick Carbon Impregnated Pleated Air Filter	30.64	9.71
23 42 13 00-0019	EA	16" x 25" x 2" Thick Carbon Impregnated Pleated Air Filter	33.75	9.71
23 42 13 00-0020	EA	20" x 20" x 2" Thick Carbon Impregnated Pleated Air Filter	34.41	9.71
23 42 13 00-0021	EA	20" x 25" x 2" Thick Carbon Impregnated Pleated Air Filter	38.27	9.71
23 42 13 00-0022	EA	24" x 24" x 2" Thick Carbon Impregnated Pleated Air Filter	40.73	9.71
23 42 13 00-0023	EA	24" x 24" x 4" Thick Carbon Impregnated Pleated Air Filter	67.25	10.27

**23 43 Electronic Air Cleaners (23 40)****23 43 23 Self-Contained Electronic Air Cleaners (23 43)****23 43 23 00-0001 Stationary Floor, Room Air Purifier (23 43 23)**

23 43 23 00-0002	EA	Stationary Floor Room Air Purifier, Up to 390 SF (Blueair Pro M)	914.15	
23 43 23 00-0003	EA	Stationary Floor Room Air Purifier, Up to 780 SF (Blueair Pro L)	1,271.88	
23 43 23 00-0004	EA	Stationary Floor Room Air Purifier, Up to 1,180 SF (Blueair Pro XL)	3,213.83	
23 43 23 00-0005	EA	Stationary Floor Room Air Purifier, Up to 550 SF (Delos Compact)	721.24	
23 43 23 00-0006	EA	Stationary Floor Room Air Purifier, Up to 1,125 SF (Delos 468 Ultrafine)	1,296.16	
23 43 23 00-0007	EA	Stationary Floor Room Air Purifier, Up to 3,500 SF (Delos 980P Commercial)	5,128.96	

**23 43 23 00-0008 Surface Mounted, Room Air Purifier (23 43 23)**

23 43 23 00-0009	EA	Ceiling Mount Media Air Cleaner With 99.97% HEPA Filters (Honeywell F114A1067)	2,384.02	
23 43 23 00-0010	EA	Ceiling Mount Media Air Cleaner With 99.97% HEPA Filters (Honeywell F115A1064)	3,308.30	
23 43 23 00-0011	EA	Ceiling Mount Media Air Cleaner With 99.97% HEPA Filters (Honeywell F111A1063W-3S)	3,779.16	

**23 43 23 00-0012 Suspension Ceiling Mounted, Room Air Purifier (23 43 23)**

23 43 23 00-0013	EA	2' x 4' Suspension Ceiling Mounted, Air Purification System (Armstrong VidaShield UV24)	3,062.95	
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**23 43 23 00-0014 Duct Mounted, Ionization System (23 43 23)**

23 43 23 00-0015	EA	Up To 10,000 CFM, 120/240 VAC, 50 Watt, 8 Tubes, Single Phase, Series 500 Bipolar Ionization System (AtmosAir 500FC)	9,784.59	456.69
23 43 23 00-0016	EA	Up To 15,000 CFM, 120/240 VAC, 50 Watt, 5 Tubes, Single Phase, Series 500 Bipolar Ionization System (AtmosAir 508FC)	13,280.35	570.86

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**23 43 33 Self-Contained Electronic Ultraviolet Germicidal Cleaners (23 43)**

<b>23 43 33 00-0001</b>			<b>Suspension Ceiling Troffer Mounted, Ultraviolet Germicidal Air Purifier (23 43 33)</b>		
23 43 33 00-0002	EA		2' x 2', Troffer Mount UVC Air Purifier (ELEDLIGHTS UVADTM1202X2) ..... Note: 6,300 cu ft/hour air cleaning	5,057.80	
23 43 33 00-0003	EA		2' x 2', Troffer Mount UVC Air Purifier With 1900 Lumens LED Panel Light (ELEDLIGHTS UVALTM1202X2) ..... Note: 6,300 cu ft/hour air cleaning	5,769.40	
23 43 33 00-0004	EA		2' x 4', Troffer Mount UVC Air Purifier (ELEDLIGHTS UVADTM1202X4) ..... Note: 12,600 cu ft/hour air cleaning	6,494.07	
23 43 33 00-0005	EA		2' x 4', Troffer Mount UVC Air Purifier With 3800 Lumens LED Panel Light (ELEDLIGHTS UVALTM1202X4) ..... Note: 12,600 cu ft/hour air cleaning	7,260.05	
23 43 33 00-0006	EA		Replace 8"x8" MERV 16, HEPA Filter In Troffer Mount UVC Air Purifier(ELEDLIGHTS UVFILTERM8X8M16).....	806.39	
<b>23 43 33 00-0007</b>			<b>Surface Mounted, Ultraviolet Germicidal Air Purifier (23 43 33)</b>		
23 43 33 00-0008	EA		Surface (Wall Or Ceiling) Mounted, Germicidal UV Active Circulation Air Cleaner (ELEDLIGHTS GUV-AC) ..... Note: 1060 cu ft/hour air cleaning	2,833.40	
<b>23 43 33 00-0009</b>			<b>Wall Mounted, Ultraviolet Germicidal Air Purifier (23 43 33)</b>		
23 43 33 00-0010	EA		Wall Mounted, Upper Room Germicidal UV Disinfection (ELEDLIGHTS URUVGI-NZ).....	1,443.15	
<b>23 43 33 00-0011</b>			<b>Wall Mounted, Ultraviolet Germicidal Fixture (UV Resources) (23 43 33)</b>		
23 43 33 00-0012	EA		14-1/4", 8 Watt, 120-277 Volts, UV-C Light Fixture (UV Resources GLO 150 - 41824001).....	1,239.23	66.10
23 43 33 00-0013	EA		23-1/4", 25 Watt, 120-277 Volts, UV-C Light Fixture (UV Resources GLO 225 - 41824000).....	1,299.10	75.86
23 43 33 00-0014	EA		35", 36 Watt, 120-277 Volts, UV-C Light Fixture (UV Resources GLO 310 - 41824002).....	1,919.27	82.36
<b>23 43 33 00-0015</b>			<b>Wall Mounted, Ultraviolet Germicidal Fixtures And Accessories (Fresh-Aire UV) (23 43 33)</b>		
23 43 33 00-0016	EA		32" Single Lamp, Teflon Safety Coating, High Output Commercial UV-C Core System (Fresh-Aire UV TUVCL-232S-TFHO).....	827.44	79.93
23 43 33 00-0017	EA		32" Dual Lamp, Teflon Safety Coating, High Output Commercial UV-C Core System (Fresh-Aire UV TUVCL-232D-TFHO).....	1,131.47	79.93
23 43 33 00-0018	EA		46" Single Lamp, Teflon Safety Coating, High Output Commercial UV-C Core System (Fresh-Aire UV TUVCL-246S-TFHO).....	901.52	84.64
23 43 33 00-0019	EA		46" Dual Lamp, Teflon Safety Coating, High Output Commercial UV-C Core System (Fresh-Aire UV TUVCL-246D-TFHO).....	1,274.81	84.64
23 43 33 00-0020	EA		60" Single Lamp, Teflon Safety Coating, High Output Commercial UV-C Core System (Fresh-Aire UV TUVCL-260S-TFHO).....	984.67	89.41
23 43 33 00-0021	EA		60" Dual Lamp, Teflon Safety Coating, High Output Commercial UV-C Core System (Fresh-Aire UV TUVCL-260D-TFHO).....	1,654.30	89.41
23 43 33 00-0022	EA		32" Single Lamp, High Output Commercial UV-C Core System (Fresh-Aire UV TUVCL-232S-HO).....	777.41	79.93
23 43 33 00-0023	EA		32" Dual Lamp, High Output Commercial UV-C Core System (Fresh-Aire UV TUVCL-232D-HO).....	1,033.97	79.93
23 43 33 00-0024	EA		46" Single Lamp, High Output Commercial UV-C Core System (Fresh-Aire UV TUVCL-246S-HO).....	832.25	84.64
23 43 33 00-0025	EA		46" Dual Lamp, High Output Commercial UV-C Core System (Fresh-Aire UV TUVCL-246D-HO).....	1,136.27	84.64
23 43 33 00-0026	EA		60" Single Lamp, High Output Commercial UV-C Core System (Fresh-Aire UV TUVCL-260S-HO).....	846.13	89.41
23 43 33 00-0027	EA		60" Dual Lamp, High Output Commercial UV-C Core System (Fresh-Aire UV TUVCL-260D-HO).....	1,378.49	89.41
23 43 33 00-0028	EA		5' (1.5m) Remote Mounting Cable (Fresh-Aire UV TUV-CBL5).....	37.81	
23 43 33 00-0029	EA		10' (3m) Remote Mounting Cable (Fresh-Aire UV TUV-CBL10).....	48.07	
23 43 33 00-0030	EA		5" Stainless Steel Coil Mount Bracket (Fresh-Aire UV TUVCL-CMBRKT-SS5).....	50.61	
23 43 33 00-0031	EA		18" (45cm) Commercial Lamp Shield (Fresh-Aire UV TUVCL-SHIELD-18).....	59.17	
23 43 33 00-0032	EA		24" (60cm) Commercial Lamp Shield (Fresh-Aire UV TUVCL-SHIELD-24).....	68.15	
23 43 33 00-0033	EA		32" (81cm) Commercial Lamp Shield (Fresh-Aire UV TUVCL-SHIELD-32).....	78.41	
23 43 33 00-0034	EA		46" (117cm) Commercial Lamp Shield (Fresh-Aire UV TUVCL-SHIELD-46).....	83.54	
23 43 33 00-0035	EA		60" (152cm) Commercial Lamp Shield (Fresh-Aire UV TUVCL-SHIELD-60).....	87.39	
23 43 33 00-0036	EA		110-277 VAC, Door Interlock Safety Switch Kit (Fresh-Aire UV TUVCL-INTLCK-SP).....	287.51	
23 43 33 00-0037	EA		15" (38cm) Odor Control, UVC/UUV Lamp (Fresh-Aire UV TUVCL-115P-OS-50)..... Note: 1 Year Warranty	183.84	53.16
23 43 33 00-0038	EA		18" (45cm) High Output, Commercial Series Lamp (Fresh-Aire UV TUVCL-218HO)..... Note: 2 Year Warranty	228.95	55.81
23 43 33 00-0039	EA		24" (60cm) High Output, Commercial Series Lamp (Fresh-Aire UV TUVCL-224HO)..... Note: 2 Year Warranty	244.77	61.77
23 43 33 00-0040	EA		32" (81cm) Commercial Series Lamp (Fresh-Aire UV TUVCL-132)..... Note: 1 Year Warranty	215.62	65.83
23 43 33 00-0041	EA		32" (81cm) Teflon Coated, Commercial Series Lamp (Fresh-Aire UV TUVCL-232TF)..... Note: 1 Year Warranty	273.35	65.83
23 43 33 00-0042	EA		32" (81cm) High Output, Commercial Series Lamp (Fresh-Aire UV TUVCL-232HO)..... Note: 1 Year Warranty	257.96	65.83
23 43 33 00-0043	EA		32" (81cm) High Output, Teflon Coated, Commercial Series Lamp (Fresh-Aire UV TUVCL-232HO-TF)..... Note: 1 Year Warranty	305.42	65.83
23 43 33 00-0044	EA		46" (117cm) Commercial Series Lamp (Fresh-Aire UV TUVCL-146)..... Note: 1 Year Warranty	252.33	70.17
23 43 33 00-0045	EA		46" (117cm) Teflon Coated, Commercial Series Lamp (Fresh-Aire UV TUVCL-246TF)..... Note: 2 Year Warranty	319.04	70.17
23 43 33 00-0046	EA		46" (117cm) High Output, Commercial Series Lamp (Fresh-Aire UV TUVCL-246HO)..... Note: 2 Year Warranty	285.69	70.17
23 43 33 00-0047	EA		46" (117cm) High Output, Teflon Coated, Commercial Series Lamp (Fresh-Aire UV TUVCL-246HO-TF)..... Note: 2 Year Warranty	354.96	70.17
23 43 33 00-0048	EA		60" (152cm) Commercial Series Lamp (Fresh-Aire UV TUVCL-160)..... Note: 1 Year Warranty	313.49	70.71
23 43 33 00-0049	EA		60" (152cm) Teflon Coated, Commercial Series Lamp (Fresh-Aire UV TUVCL-260TF)..... Note: 2 Year Warranty	407.13	70.71
23 43 33 00-0050	EA		60" (152cm) High Output, Commercial Series Lamp (Fresh-Aire UV TUVCL-260HO)..... Note: 2 Year Warranty	346.84	70.71

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 40 HVAC Air Cleaning Devices****23 43 Electronic Air Cleaners**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 43 33 00-0051	EA	60" (152cm) High Output, Teflon Coated, Commercial Series Lamp (Fresh-Aire UV TUVCL-260HO-TF) ..... Note: 1 Year Warranty	485.38	70.71
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**23 50 Central Heating Equipment** <sup>(23)</sup>

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 16-0001 for disconnect.

**23 51 Breechings, Chimneys, and Stacks** <sup>(23 50)</sup>**23 51 13 Draft Control Devices** <sup>(23 51)</sup>**23 51 13 13 Draft-Induction Fans** <sup>(23 51 13)</sup>

23 51 13 13-0001		<b>Vertical Discharge Fans</b> <sup>(23 51 13 13)</sup> Note: Includes chimney adapter. Excludes wiring.		
23 51 13 13-0002		<b>Axial Vane Vertical Discharge Fans</b> <sup>(23 51 13 13-0001)</sup>		
23 51 13 13-0003	EA	450 CFM Vertical Discharge Chimney Fan, Axial Vane.....	2,767.75	231.36
23 51 13 13-0004	EA	950 CFM Vertical Discharge Chimney Fan, Axial Vane.....	3,135.20	252.39
23 51 13 13-0005	EA	1,400 CFM Vertical Discharge Chimney Fan, Axial Vane.....	3,757.19	278.68
23 51 13 13-0006	EA	1,800 CFM Vertical Discharge Chimney Fan, Axial Vane.....	4,899.78	323.37

23 51 13 13-0007		<b>Centrifugal Impeller Vertical Discharge Fans</b> <sup>(23 51 13 13-0001)</sup>		
23 51 13 13-0008	EA	700 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller.....	3,320.58	252.39
23 51 13 13-0009	EA	1,100 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller.....	4,042.04	278.68
23 51 13 13-0010	EA	2,300 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller.....	5,239.53	326.00
23 51 13 13-0011	EA	3,000 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller.....	6,199.73	365.44

23 51 13 13-0012		<b>Accessories For Vertical Discharge Fans</b> <sup>(23 51 13 13-0001)</sup>		
23 51 13 13-0013	EA	Modulating Fan Controller And Sensor.....	401.80	78.87

**23 51 13 16 Vent Dampers** <sup>(23 51 13)</sup>

23 51 13 16-0001		<b>Flue Shutter Draft Control Damper, Parallel Blade</b> <sup>(23 51 13 16)</sup>		
23 51 13 16-0002	EA	3" Round Flue Shutter Draft Control Damper.....	863.20	46.70
23 51 13 16-0003	EA	4" Round Flue Shutter Draft Control Damper.....	946.52	49.53
23 51 13 16-0004	EA	5" Round Flue Shutter Draft Control Damper.....	1,045.06	52.58
23 51 13 16-0005	EA	6" Round Flue Shutter Draft Control Damper.....	1,116.53	56.07
23 51 13 16-0006	EA	7" Round Flue Shutter Draft Control Damper.....	1,219.06	60.07
23 51 13 16-0007	EA	8" Round Flue Shutter Draft Control Damper.....	1,294.99	64.67
23 51 13 16-0008	EA	10" Round Flue Shutter Draft Control Damper.....	1,431.79	70.13
23 51 13 16-0009	EA	12" Round Flue Shutter Draft Control Damper.....	1,572.23	76.47
23 51 13 16-0010	EA	14" Round Flue Shutter Draft Control Damper.....	1,760.15	80.18
23 51 13 16-0011	EA	16" Round Flue Shutter Draft Control Damper.....	1,890.95	84.13
23 51 13 16-0012	EA	18" Round Flue Shutter Draft Control Damper.....	2,066.06	88.34
23 51 13 16-0013	EA	20" Round Flue Shutter Draft Control Damper.....	2,444.72	139.87
23 51 13 16-0014	EA	22" Round Flue Shutter Draft Control Damper.....	2,680.97	148.55
23 51 13 16-0015	EA	24" Round Flue Shutter Draft Control Damper.....	2,905.10	157.75
23 51 13 16-0016	EA	26" Round Flue Shutter Draft Control Damper.....	2,954.61	163.01
23 51 13 16-0017	EA	28" Round Flue Shutter Draft Control Damper.....	3,047.67	168.26
23 51 13 16-0018	EA	30" Round Flue Shutter Draft Control Damper.....	3,132.97	178.78
23 51 13 16-0019	EA	32" Round Flue Shutter Draft Control Damper.....	3,269.34	183.92
23 51 13 16-0020	EA	34" Round Flue Shutter Draft Control Damper.....	3,411.72	194.43
23 51 13 16-0021	EA	36" Round Flue Shutter Draft Control Damper.....	3,575.79	210.33
23 51 13 16-0022	EA	38" Round Flue Shutter Draft Control Damper.....	3,756.59	217.54
23 51 13 16-0023	EA	40" Round Flue Shutter Draft Control Damper.....	3,923.21	220.84
23 51 13 16-0024	EA	42" Round Flue Shutter Draft Control Damper.....	4,115.89	231.36
23 51 13 16-0025	EA	44" Round Flue Shutter Draft Control Damper.....	4,309.69	241.87
23 51 13 16-0026	EA	46" Round Flue Shutter Draft Control Damper.....	4,504.01	252.39
23 51 13 16-0027	EA	48" Round Flue Shutter Draft Control Damper.....	4,697.52	262.91

**23 51 13 19 Barometric Dampers** <sup>(23 51 13)</sup>

23 51 13 19-0001		<b>Barometric Dampers</b> <sup>(23 51 13 19)</sup>		
23 51 13 19-0002	EA	6" x 6" Barometric Damper.....	396.32	9.12
23 51 13 19-0003	EA	12" x 12" Barometric Damper.....	573.17	12.53
23 51 13 19-0004	EA	18" x 18" Barometric Damper.....	768.80	19.37
23 51 13 19-0005	EA	24" x 24" Barometric Damper.....	923.01	36.47
23 51 13 19-0006	EA	6" Diameter Barometric Damper.....	195.57	9.12
		<i>For Stainless Steel, Add</i>	208.27	
23 51 13 19-0007	EA	7" Diameter Barometric Damper.....	231.35	10.25
		<i>For Stainless Steel, Add</i>	247.43	
23 51 13 19-0008	EA	8" Diameter Barometric Damper.....	268.43	11.39
		<i>For Stainless Steel, Add</i>	286.95	
23 51 13 19-0009	EA	9" Diameter Barometric Damper.....	329.74	11.39
		<i>For Stainless Steel, Add</i>	363.49	
23 51 13 19-0010	EA	10" Diameter Barometric Damper.....	433.53	13.67
		<i>For Stainless Steel, Add</i>	495.22	
23 51 13 19-0011	EA	12" Diameter Barometric Damper.....	549.90	14.81
		<i>For Stainless Steel, Add</i>	638.69	
23 51 13 19-0012	EA	14" Diameter Barometric Damper.....	690.69	15.96
		<i>For Stainless Steel, Add</i>	814.57	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 13 19-0013	EA		15" Diameter Barometric Damper ..... <i>For Stainless Steel, Add</i>	823.84 979.06	17.09
23 51 13 19-0014	EA		16" Diameter Barometric Damper ..... <i>For Stainless Steel, Add</i>	955.32 1,143.17	19.37
23 51 13 19-0015	EA		18" Diameter Barometric Damper ..... <i>For Stainless Steel, Add</i>	1,256.90 1,527.32	20.51
23 51 13 19-0016	EA		20" Diameter Barometric Damper ..... <i>For Stainless Steel, Add</i>	1,495.44 1,828.15	22.79
23 51 13 19-0017	EA		24" Diameter Barometric Damper ..... <i>For Stainless Steel, Add</i>	1,802.12 2,221.56	22.79
23 51 13 19-0018	EA		30" Diameter Barometric Damper ..... <i>For Stainless Steel, Add</i>	2,220.86 2,753.80	26.21
23 51 13 19-0019	EA		36" Diameter Barometric Damper ..... <i>For Stainless Steel, Add</i>	2,831.48 3,540.60	27.35
<b>23 51 16 Fabricated Breechings and Accessories (23 51)</b>					
<b>23 51 16 00-0001 Round Galvanized Double Wall Flue/Vent Pipe And Fittings (23 51 16)</b>					
<b>23 51 16 00-0002 Round Galvanized Double Wall Flue/Vent Pipe (23 51 16 00-0001)</b>					
23 51 16 00-0003	LF		3" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe ..... Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness	29.11	9.36
			<i>For Aluminum Liner, Add</i>	0.32	
			<i>For 304 Stainless Steel Liner, Add</i>	0.43	
			<i>For 2" Wall Instead Of 1", Add</i>	4.06	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	7.26	
23 51 16 00-0004	LF		4" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe ..... Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness	31.18	9.89
			<i>For Aluminum Liner, Add</i>	0.39	
			<i>For 304 Stainless Steel Liner, Add</i>	0.53	
			<i>For 2" Wall Instead Of 1", Add</i>	4.53	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	8.00	
23 51 16 00-0005	LF		5" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe ..... Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness	34.39	10.52
			<i>For Aluminum Liner, Add</i>	0.46	
			<i>For 304 Stainless Steel Liner, Add</i>	0.63	
			<i>For 2" Wall Instead Of 1", Add</i>	5.11	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	8.97	
23 51 16 00-0006	LF		6" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe ..... Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness	37.45	11.26
			<i>For Aluminum Liner, Add</i>	0.53	
			<i>For 304 Stainless Steel Liner, Add</i>	0.73	
			<i>For 2" Wall Instead Of 1", Add</i>	5.69	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	9.92	
23 51 16 00-0007	LF		7" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe ..... Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	43.72	11.99
			<i>For Aluminum Liner, Add</i>	0.79	
			<i>For 304 Stainless Steel Liner, Add</i>	1.07	
			<i>For 2" Wall Instead Of 1", Add</i>	7.24	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	12.32	
23 51 16 00-0008	LF		8" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe ..... Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	48.59	12.94
			<i>For Aluminum Liner, Add</i>	0.88	
			<i>For 304 Stainless Steel Liner, Add</i>	1.20	
			<i>For 2" Wall Instead Of 1", Add</i>	8.05	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	13.70	
23 51 16 00-0009	LF		10" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe ..... Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	68.97	13.89
			<i>For Aluminum Liner, Add</i>	1.85	
			<i>For 304 Stainless Steel Liner, Add</i>	2.53	
			<i>For 2" Wall Instead Of 1", Add</i>	13.63	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	22.21	
23 51 16 00-0010	LF		12" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe ..... Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	83.46	15.36
			<i>For Aluminum Liner, Add</i>	2.48	
			<i>For 304 Stainless Steel Liner, Add</i>	3.39	
			<i>For 2" Wall Instead Of 1", Add</i>	17.38	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	27.99	
23 51 16 00-0011	LF		14" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe ..... Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	115.94	15.98
			<i>For Aluminum Liner, Add</i>	4.17	
			<i>For 304 Stainless Steel Liner, Add</i>	5.69	
			<i>For 2" Wall Instead Of 1", Add</i>	26.77	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	42.16	
23 51 16 00-0012	LF		16" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe ..... Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	144.18	16.83
			<i>For Aluminum Liner, Add</i>	5.63	
			<i>For 304 Stainless Steel Liner, Add</i>	7.67	
			<i>For 2" Wall Instead Of 1", Add</i>	34.88	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	54.41	
23 51 16 00-0013	LF		18" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe ..... Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	176.77	17.67
			<i>For Aluminum Liner, Add</i>	7.27	
			<i>For 304 Stainless Steel Liner, Add</i>	9.91	
			<i>For 2" Wall Instead Of 1", Add</i>	44.11	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	68.39	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 51 16 00-0014	LF		20" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	226.14	28.07
			Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness		
			For Aluminum Liner, Add	8.63	
			For 304 Stainless Steel Liner, Add	11.76	
			For 2" Wall Instead Of 1", Add	53.99	
			For 3" To 4" Wall Instead Of 1", Add	84.44	
23 51 16 00-0015	LF		22" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	272.62	29.66
			Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness		
			For Aluminum Liner, Add	10.88	
			For 304 Stainless Steel Liner, Add	14.83	
			For 2" Wall Instead Of 1", Add	66.82	
			For 3" To 4" Wall Instead Of 1", Add	103.97	
23 51 16 00-0016	LF		24" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	323.33	31.55
			Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness		
			For Aluminum Liner, Add	13.41	
			For 304 Stainless Steel Liner, Add	18.29	
			For 2" Wall Instead Of 1", Add	81.10	
			For 3" To 4" Wall Instead Of 1", Add	125.62	
23 51 16 00-0017	LF		26" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	374.65	32.60
			Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness		
			For Aluminum Liner, Add	16.13	
			For 304 Stainless Steel Liner, Add	21.99	
			For 2" Wall Instead Of 1", Add	96.12	
			For 3" To 4" Wall Instead Of 1", Add	148.25	
23 51 16 00-0018	LF		28" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	392.71	33.65
			Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness		
			For Aluminum Liner, Add	16.97	
			For 304 Stainless Steel Liner, Add	23.15	
			For 2" Wall Instead Of 1", Add	100.99	
			For 3" To 4" Wall Instead Of 1", Add	155.69	
23 51 16 00-0019	LF		30" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	417.40	36.07
			Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness		
			For Aluminum Liner, Add	18.00	
			For 304 Stainless Steel Liner, Add	24.55	
			For 2" Wall Instead Of 1", Add	107.21	
			For 3" To 4" Wall Instead Of 1", Add	165.32	
23 51 16 00-0020	LF		32" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	471.90	37.44
			For Aluminum Liner, Add	20.82	
			For 304 Stainless Steel Liner, Add	28.39	
			For 2" Wall Instead Of 1", Add	122.89	
			For 3" To 4" Wall Instead Of 1", Add	189.01	
23 51 16 00-0021	LF		34" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	528.35	38.81
			For Aluminum Liner, Add	23.73	
			For 304 Stainless Steel Liner, Add	32.35	
			For 2" Wall Instead Of 1", Add	139.11	
			For 3" To 4" Wall Instead Of 1", Add	213.51	
23 51 16 00-0022	LF		36" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	556.09	40.38
			For Aluminum Liner, Add	25.04	
			For 304 Stainless Steel Liner, Add	34.14	
			For 2" Wall Instead Of 1", Add	146.66	
			For 3" To 4" Wall Instead Of 1", Add	225.03	
23 51 16 00-0023	LF		38" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	602.89	42.06
			For Aluminum Liner, Add	27.38	
			For 304 Stainless Steel Liner, Add	37.34	
			For 2" Wall Instead Of 1", Add	159.86	
			For 3" To 4" Wall Instead Of 1", Add	245.04	
23 51 16 00-0024	LF		40" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	663.81	43.86
			For Aluminum Liner, Add	30.48	
			For 304 Stainless Steel Liner, Add	41.56	
			For 2" Wall Instead Of 1", Add	177.21	
			For 3" To 4" Wall Instead Of 1", Add	271.29	
23 51 16 00-0025	LF		42" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	694.46	45.85
			For Aluminum Liner, Add	31.88	
			For 304 Stainless Steel Liner, Add	43.48	
			For 2" Wall Instead Of 1", Add	185.39	
			For 3" To 4" Wall Instead Of 1", Add	283.82	
23 51 16 00-0026	LF		44" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	768.12	48.06
			For Aluminum Liner, Add	35.64	
			For 304 Stainless Steel Liner, Add	48.59	
			For 2" Wall Instead Of 1", Add	206.39	
			For 3" To 4" Wall Instead Of 1", Add	315.60	
23 51 16 00-0027	LF		46" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	833.79	50.48
			For Aluminum Liner, Add	38.92	
			For 304 Stainless Steel Liner, Add	53.07	
			For 2" Wall Instead Of 1", Add	224.90	
			For 3" To 4" Wall Instead Of 1", Add	343.65	
23 51 16 00-0028	LF		48" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	916.89	53.11
			For Aluminum Liner, Add	43.14	
			For 304 Stainless Steel Liner, Add	58.82	
			For 2" Wall Instead Of 1", Add	248.55	
			For 3" To 4" Wall Instead Of 1", Add	379.46	
<b>23 51 16 00-0029</b>			<b>90 Degree Elbows</b> <small>(23 51 16 00-0001)</small>		
23 51 16 00-0030	EA		3" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	72.77	18.72
			For Aluminum Liner, Add	1.45	
			For 304 Stainless Steel Liner, Add	1.98	
			For 2" Wall Instead Of 1", Add	12.56	
			For 3" To 4" Wall Instead Of 1", Add	21.16	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0031	EA		4" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	80.49	19.77
			For Aluminum Liner, Add	1.71	
			For 304 Stainless Steel Liner, Add	2.34	
			For 2" Wall Instead Of 1", Add	14.29	
			For 3" To 4" Wall Instead Of 1", Add	23.89	
23 51 16 00-0032	EA		5" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	89.57	21.03
			For Aluminum Liner, Add	2.05	
			For 304 Stainless Steel Liner, Add	2.79	
			For 2" Wall Instead Of 1", Add	16.40	
			For 3" To 4" Wall Instead Of 1", Add	27.22	
23 51 16 00-0033	EA		6" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	98.89	22.40
			For Aluminum Liner, Add	2.38	
			For 304 Stainless Steel Liner, Add	3.24	
			For 2" Wall Instead Of 1", Add	18.54	
			For 3" To 4" Wall Instead Of 1", Add	30.59	
23 51 16 00-0034	EA		7" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	117.47	23.97
			For Aluminum Liner, Add	3.18	
			For 304 Stainless Steel Liner, Add	4.34	
			For 2" Wall Instead Of 1", Add	23.32	
			For 3" To 4" Wall Instead Of 1", Add	37.96	
23 51 16 00-0035	EA		8" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	137.13	25.87
			For Aluminum Liner, Add	3.99	
			For 304 Stainless Steel Liner, Add	5.43	
			For 2" Wall Instead Of 1", Add	28.21	
			For 3" To 4" Wall Instead Of 1", Add	45.54	
23 51 16 00-0036	EA		10" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	236.98	28.07
			For Aluminum Liner, Add	9.17	
			For 304 Stainless Steel Liner, Add	12.50	
			For 2" Wall Instead Of 1", Add	57.03	
			For 3" To 4" Wall Instead Of 1", Add	89.06	
23 51 16 00-0037	EA		12" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	286.58	30.60
			For Aluminum Liner, Add	11.56	
			For 304 Stainless Steel Liner, Add	15.76	
			For 2" Wall Instead Of 1", Add	70.69	
			For 3" To 4" Wall Instead Of 1", Add	109.85	
23 51 16 00-0038	EA		14" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	370.71	32.08
			For Aluminum Liner, Add	15.98	
			For 304 Stainless Steel Liner, Add	21.79	
			For 2" Wall Instead Of 1", Add	95.19	
			For 3" To 4" Wall Instead Of 1", Add	146.79	
23 51 16 00-0039	EA		16" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	454.98	33.65
			For Aluminum Liner, Add	20.41	
			For 304 Stainless Steel Liner, Add	27.83	
			For 2" Wall Instead Of 1", Add	119.70	
			For 3" To 4" Wall Instead Of 1", Add	183.75	
23 51 16 00-0040	EA		18" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	587.19	35.44
			For Aluminum Liner, Add	27.42	
			For 304 Stainless Steel Liner, Add	37.39	
			For 2" Wall Instead Of 1", Add	158.43	
			For 3" To 4" Wall Instead Of 1", Add	242.08	
23 51 16 00-0041	EA		20" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	828.69	56.05
			For Aluminum Liner, Add	37.86	
			For 304 Stainless Steel Liner, Add	51.63	
			For 2" Wall Instead Of 1", Add	220.55	
			For 3" To 4" Wall Instead Of 1", Add	337.84	
23 51 16 00-0042	EA		22" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	1,090.56	59.41
			For Aluminum Liner, Add	51.81	
			For 304 Stainless Steel Liner, Add	70.65	
			For 2" Wall Instead Of 1", Add	297.46	
			For 3" To 4" Wall Instead Of 1", Add	453.62	
23 51 16 00-0043	EA		24" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	1,230.35	63.10
			For Aluminum Liner, Add	58.98	
			For 304 Stainless Steel Liner, Add	80.43	
			For 2" Wall Instead Of 1", Add	337.53	
			For 3" To 4" Wall Instead Of 1", Add	514.18	
<b>23 51 16 00-0044</b>			<b>45 Degree Elbows</b> <small>(23 51 16 00-0001)</small>		
23 51 16 00-0045	EA		3" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	61.91	18.72
			For Aluminum Liner, Add	0.84	
			For 304 Stainless Steel Liner, Add	1.14	
			For 2" Wall Instead Of 1", Add	9.24	
			For 3" To 4" Wall Instead Of 1", Add	16.19	
23 51 16 00-0046	EA		4" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	67.46	19.77
			For Aluminum Liner, Add	0.99	
			For 304 Stainless Steel Liner, Add	1.34	
			For 2" Wall Instead Of 1", Add	10.33	
			For 3" To 4" Wall Instead Of 1", Add	17.97	
23 51 16 00-0047	EA		5" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	73.69	21.03
			For Aluminum Liner, Add	1.16	
			For 304 Stainless Steel Liner, Add	1.58	
			For 2" Wall Instead Of 1", Add	11.59	
			For 3" To 4" Wall Instead Of 1", Add	20.01	
23 51 16 00-0048	EA		6" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	81.34	22.40
			For Aluminum Liner, Add	1.39	
			For 304 Stainless Steel Liner, Add	1.90	
			For 2" Wall Instead Of 1", Add	13.19	
			For 3" To 4" Wall Instead Of 1", Add	22.59	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 50 Central Heating Equipment**

**23 51 Breechings, Chimneys, and Stacks**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 51 16 00-0049	EA 7" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	96.30	23.97
	For Aluminum Liner, Add	1.99	
	For 304 Stainless Steel Liner, Add	2.72	
	For 2" Wall Instead Of 1", Add	16.88	
	For 3" To 4" Wall Instead Of 1", Add	28.32	
23 51 16 00-0050	EA 8" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	106.34	25.87
	For Aluminum Liner, Add	2.29	
	For 304 Stainless Steel Liner, Add	3.13	
	For 2" Wall Instead Of 1", Add	18.97	
	For 3" To 4" Wall Instead Of 1", Add	31.69	
23 51 16 00-0051	EA 10" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	174.30	28.07
	For Aluminum Liner, Add	5.73	
	For 304 Stainless Steel Liner, Add	7.81	
	For 2" Wall Instead Of 1", Add	38.26	
	For 3" To 4" Wall Instead Of 1", Add	60.90	
23 51 16 00-0052	EA 12" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	207.81	30.60
	For Aluminum Liner, Add	7.22	
	For 304 Stainless Steel Liner, Add	9.85	
	For 2" Wall Instead Of 1", Add	47.05	
	For 3" To 4" Wall Instead Of 1", Add	74.40	
23 51 16 00-0053	EA 14" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	264.93	32.08
	For Aluminum Liner, Add	10.16	
	For 304 Stainless Steel Liner, Add	13.86	
	For 2" Wall Instead Of 1", Add	63.45	
	For 3" To 4" Wall Instead Of 1", Add	99.18	
23 51 16 00-0054	EA 16" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	315.98	33.65
	For Aluminum Liner, Add	12.75	
	For 304 Stainless Steel Liner, Add	17.39	
	For 2" Wall Instead Of 1", Add	77.97	
	For 3" To 4" Wall Instead Of 1", Add	121.17	
23 51 16 00-0055	EA 18" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	400.14	35.44
	For Aluminum Liner, Add	17.14	
	For 304 Stainless Steel Liner, Add	23.37	
	For 2" Wall Instead Of 1", Add	102.33	
	For 3" To 4" Wall Instead Of 1", Add	157.93	
23 51 16 00-0056	EA 20" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	491.29	55.95
	For Aluminum Liner, Add	19.33	
	For 304 Stainless Steel Liner, Add	26.36	
	For 2" Wall Instead Of 1", Add	119.42	
	For 3" To 4" Wall Instead Of 1", Add	186.12	
23 51 16 00-0057	EA 22" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	677.52	59.41
	For Aluminum Liner, Add	29.09	
	For 304 Stainless Steel Liner, Add	39.67	
	For 2" Wall Instead Of 1", Add	173.55	
	For 3" To 4" Wall Instead Of 1", Add	267.75	
23 51 16 00-0058	EA 24" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	827.92	63.10
	For Aluminum Liner, Add	36.87	
	For 304 Stainless Steel Liner, Add	50.27	
	For 2" Wall Instead Of 1", Add	216.85	
	For 3" To 4" Wall Instead Of 1", Add	333.15	
23 51 16 00-0059	EA 26" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,485.36	65.20
	For Aluminum Liner, Add	72.73	
	For 304 Stainless Steel Liner, Add	99.18	
	For 2" Wall Instead Of 1", Add	413.03	
	For 3" To 4" Wall Instead Of 1", Add	627.68	
23 51 16 00-0060	EA 28" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,526.84	67.30
	For Aluminum Liner, Add	74.73	
	For 304 Stainless Steel Liner, Add	101.90	
	For 2" Wall Instead Of 1", Add	424.42	
	For 3" To 4" Wall Instead Of 1", Add	645.04	
23 51 16 00-0061	EA 30" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,609.82	71.51
	For Aluminum Liner, Add	78.71	
	For 304 Stainless Steel Liner, Add	107.34	
	For 2" Wall Instead Of 1", Add	447.21	
	For 3" To 4" Wall Instead Of 1", Add	679.75	
23 51 16 00-0062	EA 32" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,796.22	73.61
	For Aluminum Liner, Add	88.68	
	For 304 Stainless Steel Liner, Add	120.92	
	For 2" Wall Instead Of 1", Add	502.08	
	For 3" To 4" Wall Instead Of 1", Add	762.32	
23 51 16 00-0063	EA 34" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,960.72	77.82
	For Aluminum Liner, Add	97.15	
	For 304 Stainless Steel Liner, Add	132.47	
	For 2" Wall Instead Of 1", Add	549.33	
	For 3" To 4" Wall Instead Of 1", Add	833.72	
23 51 16 00-0064	EA 36" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	2,021.77	84.13
	For Aluminum Liner, Add	99.64	
	For 304 Stainless Steel Liner, Add	135.87	
	For 2" Wall Instead Of 1", Add	564.49	
	For 3" To 4" Wall Instead Of 1", Add	857.25	
23 51 16 00-0065	EA 38" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	2,164.99	87.08
	For Aluminum Liner, Add	107.11	
	For 304 Stainless Steel Liner, Add	146.06	
	For 2" Wall Instead Of 1", Add	605.99	
	For 3" To 4" Wall Instead Of 1", Add	919.86	
23 51 16 00-0066	EA 40" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	2,304.02	88.34
	For Aluminum Liner, Add	114.58	
	For 304 Stainless Steel Liner, Add	156.25	
	For 2" Wall Instead Of 1", Add	647.06	
	For 3" To 4" Wall Instead Of 1", Add	981.63	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0067	EA		42" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	2,405.10	92.55
			For Aluminum Liner, Add	119.56	
			For 304 Stainless Steel Liner, Add	163.04	
			For 2" Wall Instead Of 1", Add	675.29	
			For 3" To 4" Wall Instead Of 1", Add	1,024.49	
23 51 16 00-0068	EA		44" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	2,551.47	96.75
			For Aluminum Liner, Add	127.04	
			For 304 Stainless Steel Liner, Add	173.23	
			For 2" Wall Instead Of 1", Add	717.10	
			For 3" To 4" Wall Instead Of 1", Add	1,087.73	
23 51 16 00-0069	EA		46" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	2,743.13	100.95
			For Aluminum Liner, Add	137.00	
			For 304 Stainless Steel Liner, Add	186.82	
			For 2" Wall Instead Of 1", Add	772.50	
			For 3" To 4" Wall Instead Of 1", Add	1,171.36	
23 51 16 00-0070	EA		48" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	2,844.22	105.16
			For Aluminum Liner, Add	141.98	
			For 304 Stainless Steel Liner, Add	193.61	
			For 2" Wall Instead Of 1", Add	800.72	
			For 3" To 4" Wall Instead Of 1", Add	1,214.22	
<b>23 51 16 00-0071</b>			<b>Tees</b> <small>(23 51 16 00-0001)</small>		
23 51 16 00-0072	EA		3" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe .....	99.55	24.92
			For Aluminum Liner, Add	2.04	
			For 304 Stainless Steel Liner, Add	2.79	
			For 2" Wall Instead Of 1", Add	17.38	
			For 3" To 4" Wall Instead Of 1", Add	29.20	
23 51 16 00-0073	EA		4" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe .....	103.62	25.87
			For Aluminum Liner, Add	2.14	
			For 304 Stainless Steel Liner, Add	2.92	
			For 2" Wall Instead Of 1", Add	18.15	
			For 3" To 4" Wall Instead Of 1", Add	30.46	
23 51 16 00-0074	EA		5" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe .....	108.06	26.93
			For Aluminum Liner, Add	2.24	
			For 304 Stainless Steel Liner, Add	3.06	
			For 2" Wall Instead Of 1", Add	18.96	
			For 3" To 4" Wall Instead Of 1", Add	31.80	
23 51 16 00-0075	EA		6" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe .....	115.44	28.07
			For Aluminum Liner, Add	2.49	
			For 304 Stainless Steel Liner, Add	3.40	
			For 2" Wall Instead Of 1", Add	20.60	
			For 3" To 4" Wall Instead Of 1", Add	34.41	
23 51 16 00-0076	EA		7" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe .....	135.69	29.23
			For Aluminum Liner, Add	3.44	
			For 304 Stainless Steel Liner, Add	4.69	
			For 2" Wall Instead Of 1", Add	26.07	
			For 3" To 4" Wall Instead Of 1", Add	42.76	
23 51 16 00-0077	EA		8" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe .....	145.28	30.60
			For Aluminum Liner, Add	3.79	
			For 304 Stainless Steel Liner, Add	5.16	
			For 2" Wall Instead Of 1", Add	28.30	
			For 3" To 4" Wall Instead Of 1", Add	46.27	
23 51 16 00-0078	EA		10" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe .....	266.72	32.08
			For Aluminum Liner, Add	10.26	
			For 304 Stainless Steel Liner, Add	13.99	
			For 2" Wall Instead Of 1", Add	63.99	
			For 3" To 4" Wall Instead Of 1", Add	99.99	
23 51 16 00-0079	EA		12" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe .....	308.74	33.65
			For Aluminum Liner, Add	12.36	
			For 304 Stainless Steel Liner, Add	16.85	
			For 2" Wall Instead Of 1", Add	75.80	
			For 3" To 4" Wall Instead Of 1", Add	117.91	
23 51 16 00-0080	EA		14" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe .....	459.40	37.44
			For Aluminum Liner, Add	20.13	
			For 304 Stainless Steel Liner, Add	27.45	
			For 2" Wall Instead Of 1", Add	119.13	
			For 3" To 4" Wall Instead Of 1", Add	183.37	
23 51 16 00-0081	EA		16" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe .....	623.23	42.06
			For Aluminum Liner, Add	28.50	
			For 304 Stainless Steel Liner, Add	38.86	
			For 2" Wall Instead Of 1", Add	165.95	
			For 3" To 4" Wall Instead Of 1", Add	254.17	
23 51 16 00-0082	EA		18" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe .....	772.33	48.06
			For Aluminum Liner, Add	35.87	
			For 304 Stainless Steel Liner, Add	48.91	
			For 2" Wall Instead Of 1", Add	207.67	
			For 3" To 4" Wall Instead Of 1", Add	317.51	
23 51 16 00-0083	EA		20" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe .....	1,026.98	59.41
			For Aluminum Liner, Add	48.32	
			For 304 Stainless Steel Liner, Add	65.90	
			For 2" Wall Instead Of 1", Add	278.42	
			For 3" To 4" Wall Instead Of 1", Add	425.05	
23 51 16 00-0084	EA		22" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe .....	1,290.02	77.61
			For Aluminum Liner, Add	60.28	
			For 304 Stainless Steel Liner, Add	82.20	
			For 2" Wall Instead Of 1", Add	348.20	
			For 3" To 4" Wall Instead Of 1", Add	532.00	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 51 16 00-0085	EA	24" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	1,482.24	82.03
		For Aluminum Liner, Add	70.24	
		For 304 Stainless Steel Liner, Add	95.79	
		For 2" Wall Instead Of 1", Add	403.66	
		For 3" To 4" Wall Instead Of 1", Add	615.74	
23 51 16 00-0086	EA	26" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,032.51	88.34
		For Aluminum Liner, Add	99.64	
		For 304 Stainless Steel Liner, Add	135.87	
		For 2" Wall Instead Of 1", Add	565.57	
		For 3" To 4" Wall Instead Of 1", Add	859.40	
23 51 16 00-0087	EA	28" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,267.43	91.80
		For Aluminum Liner, Add	112.09	
		For 304 Stainless Steel Liner, Add	152.85	
		For 2" Wall Instead Of 1", Add	634.35	
		For 3" To 4" Wall Instead Of 1", Add	962.99	
23 51 16 00-0088	EA	30" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,461.04	96.75
		For Aluminum Liner, Add	122.05	
		For 304 Stainless Steel Liner, Add	166.44	
		For 2" Wall Instead Of 1", Add	689.94	
		For 3" To 4" Wall Instead Of 1", Add	1,047.00	
23 51 16 00-0089	EA	32" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,833.81	100.95
		For Aluminum Liner, Add	141.98	
		For 304 Stainless Steel Liner, Add	193.61	
		For 2" Wall Instead Of 1", Add	799.68	
		For 3" To 4" Wall Instead Of 1", Add	1,212.14	
23 51 16 00-0090	EA	34" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,889.70	105.16
		For Aluminum Liner, Add	144.47	
		For 304 Stainless Steel Liner, Add	197.01	
		For 2" Wall Instead Of 1", Add	814.33	
		For 3" To 4" Wall Instead Of 1", Add	1,234.64	
23 51 16 00-0091	EA	36" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	3,360.26	112.21
		For Aluminum Liner, Add	169.38	
		For 304 Stainless Steel Liner, Add	230.98	
		For 2" Wall Instead Of 1", Add	951.96	
		For 3" To 4" Wall Instead Of 1", Add	1,441.97	
23 51 16 00-0092	EA	38" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	3,440.58	126.19
		For Aluminum Liner, Add	171.87	
		For 304 Stainless Steel Liner, Add	234.37	
		For 2" Wall Instead Of 1", Add	969.05	
		For 3" To 4" Wall Instead Of 1", Add	1,469.36	
23 51 16 00-0093	EA	40" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	3,757.35	144.28
		For Aluminum Liner, Add	186.82	
		For 304 Stainless Steel Liner, Add	254.75	
		For 2" Wall Instead Of 1", Add	1,055.08	
		For 3" To 4" Wall Instead Of 1", Add	1,600.65	
23 51 16 00-0094	EA	42" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	4,134.38	168.26
		For Aluminum Liner, Add	204.26	
		For 304 Stainless Steel Liner, Add	278.53	
		For 2" Wall Instead Of 1", Add	1,156.18	
		For 3" To 4" Wall Instead Of 1", Add	1,755.31	
23 51 16 00-0095	EA	44" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	4,503.61	189.29
		For Aluminum Liner, Add	221.69	
		For 304 Stainless Steel Liner, Add	302.31	
		For 2" Wall Instead Of 1", Add	1,256.51	
		For 3" To 4" Wall Instead Of 1", Add	1,908.41	
23 51 16 00-0096	EA	46" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	4,927.04	195.61
		For Aluminum Liner, Add	244.11	
		For 304 Stainless Steel Liner, Add	332.88	
		For 2" Wall Instead Of 1", Add	1,380.38	
		For 3" To 4" Wall Instead Of 1", Add	2,095.00	
23 51 16 00-0097	EA	48" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	5,214.72	201.91
		For Aluminum Liner, Add	259.06	
		For 304 Stainless Steel Liner, Add	353.26	
		For 2" Wall Instead Of 1", Add	1,463.49	
		For 3" To 4" Wall Instead Of 1", Add	2,220.47	
23 51 16 00-0098		<b>Vent Top Caps</b> (23 51 16 00-0001)		
23 51 16 00-0099	EA	3" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	50.62	14.62
		For Aluminum Liner, Add	0.77	
		For 304 Stainless Steel Liner, Add	1.05	
		For 2" Wall Instead Of 1", Add	7.87	
		For 3" To 4" Wall Instead Of 1", Add	13.63	
23 51 16 00-0100	EA	4" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	53.03	15.36
		For Aluminum Liner, Add	0.81	
		For 304 Stainless Steel Liner, Add	1.11	
		For 2" Wall Instead Of 1", Add	8.26	
		For 3" To 4" Wall Instead Of 1", Add	14.30	
23 51 16 00-0101	EA	6" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	67.69	16.83
		For Aluminum Liner, Add	1.41	
		For 304 Stainless Steel Liner, Add	1.92	
		For 2" Wall Instead Of 1", Add	11.90	
		For 3" To 4" Wall Instead Of 1", Add	19.95	
23 51 16 00-0102	EA	8" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	72.32	18.72
		For Aluminum Liner, Add	1.41	
		For 304 Stainless Steel Liner, Add	1.92	
		For 2" Wall Instead Of 1", Add	12.36	
		For 3" To 4" Wall Instead Of 1", Add	20.87	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0103	EA		10" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe .....	87.20	19.77
			For Aluminum Liner, Add	2.08	
			For 304 Stainless Steel Liner, Add	2.83	
			For 2" Wall Instead Of 1", Add	16.27	
			For 3" To 4" Wall Instead Of 1", Add	26.88	
23 51 16 00-0104	EA		12" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe .....	102.40	21.03
			For Aluminum Liner, Add	2.74	
			For 304 Stainless Steel Liner, Add	3.74	
			For 2" Wall Instead Of 1", Add	20.20	
			For 3" To 4" Wall Instead Of 1", Add	32.94	
23 51 16 00-0105	EA		16" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe .....	234.87	23.97
			For Aluminum Liner, Add	9.62	
			For 304 Stainless Steel Liner, Add	13.11	
			For 2" Wall Instead Of 1", Add	58.45	
			For 3" To 4" Wall Instead Of 1", Add	90.68	
23 51 16 00-0106	EA		18" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe .....	433.78	30.08
			For Aluminum Liner, Add	19.73	
			For 304 Stainless Steel Liner, Add	26.90	
			For 2" Wall Instead Of 1", Add	115.12	
			For 3" To 4" Wall Instead Of 1", Add	176.43	
23 51 16 00-0107	EA		20" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe .....	796.65	36.07
			For Aluminum Liner, Add	38.86	
			For 304 Stainless Steel Liner, Add	52.99	
			For 2" Wall Instead Of 1", Add	220.97	
			For 3" To 4" Wall Instead Of 1", Add	335.96	
23 51 16 00-0108	EA		24" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe .....	1,321.85	50.48
			For Aluminum Liner, Add	65.76	
			For 304 Stainless Steel Liner, Add	89.67	
			For 2" Wall Instead Of 1", Add	371.31	
			For 3" To 4" Wall Instead Of 1", Add	563.28	
23 51 16 00-0109	EA		26" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe .....	1,944.36	53.11
			For Aluminum Liner, Add	99.64	
			For 304 Stainless Steel Liner, Add	135.87	
			For 2" Wall Instead Of 1", Add	556.75	
			For 3" To 4" Wall Instead Of 1", Add	841.77	
23 51 16 00-0110	EA		28" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe .....	2,178.23	56.05
			For Aluminum Liner, Add	112.09	
			For 304 Stainless Steel Liner, Add	152.85	
			For 2" Wall Instead Of 1", Add	625.43	
			For 3" To 4" Wall Instead Of 1", Add	945.15	
23 51 16 00-0111	EA		30" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe .....	2,458.30	59.41
			For Aluminum Liner, Add	127.04	
			For 304 Stainless Steel Liner, Add	173.23	
			For 2" Wall Instead Of 1", Add	707.78	
			For 3" To 4" Wall Instead Of 1", Add	1,069.10	
23 51 16 00-0112	EA		32" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe .....	2,603.44	63.10
			For Aluminum Liner, Add	134.51	
			For 304 Stainless Steel Liner, Add	183.42	
			For 2" Wall Instead Of 1", Add	749.47	
			For 3" To 4" Wall Instead Of 1", Add	1,132.10	
23 51 16 00-0113	EA		34" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe .....	2,749.82	67.30
			For Aluminum Liner, Add	141.98	
			For 304 Stainless Steel Liner, Add	193.61	
			For 2" Wall Instead Of 1", Add	791.28	
			For 3" To 4" Wall Instead Of 1", Add	1,195.34	
23 51 16 00-0114	EA		36" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe .....	2,942.86	72.14
			For Aluminum Liner, Add	151.95	
			For 304 Stainless Steel Liner, Add	207.20	
			For 2" Wall Instead Of 1", Add	846.82	
			For 3" To 4" Wall Instead Of 1", Add	1,279.24	
<b>23 51 16 00-0115</b>			<b>Wall Thimbles</b> <small>(23 51 16 00-0001)</small>		
23 51 16 00-0116	EA		3" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe .....	21.27	7.89
			For Aluminum Liner, Add	0.09	
			For 304 Stainless Steel Liner, Add	0.12	
			For 2" Wall Instead Of 1", Add	2.45	
			For 3" To 4" Wall Instead Of 1", Add	4.66	
23 51 16 00-0117	EA		4" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe .....	26.99	10.10
			For Aluminum Liner, Add	0.09	
			For 304 Stainless Steel Liner, Add	0.12	
			For 2" Wall Instead Of 1", Add	3.03	
			For 3" To 4" Wall Instead Of 1", Add	5.81	
23 51 16 00-0118	EA		5" Or 6" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe .....	35.95	13.56
			For Aluminum Liner, Add	0.11	
			For 304 Stainless Steel Liner, Add	0.15	
			For 2" Wall Instead Of 1", Add	4.00	
			For 3" To 4" Wall Instead Of 1", Add	7.70	
23 51 16 00-0119	EA		7" Or 8" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe .....	44.95	16.83
			For Aluminum Liner, Add	0.16	
			For 304 Stainless Steel Liner, Add	0.22	
			For 2" Wall Instead Of 1", Add	5.07	
			For 3" To 4" Wall Instead Of 1", Add	9.71	
23 51 16 00-0120	EA		10" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe .....	64.20	22.71
			For Aluminum Liner, Add	0.41	
			For 304 Stainless Steel Liner, Add	0.56	
			For 2" Wall Instead Of 1", Add	7.90	
			For 3" To 4" Wall Instead Of 1", Add	14.70	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 51 16 00-0121	EA	12" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe.....	80.97	28.19
		<i>For Aluminum Liner, Add</i>	0.58	
		<i>For 304 Stainless Steel Liner, Add</i>	0.79	
		<i>For 2" Wall Instead Of 1", Add</i>	10.20	
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	18.82	
23 51 16 00-0122	EA	14" Or 16" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe .....	101.94	33.65
		<i>For Aluminum Liner, Add</i>	0.98	
		<i>For 304 Stainless Steel Liner, Add</i>	1.34	
		<i>For 2" Wall Instead Of 1", Add</i>	13.76	
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	24.84	
23 51 16 00-0123	EA	18" Or 20" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe .....	131.78	39.97
		<i>For Aluminum Liner, Add</i>	1.75	
		<i>For 304 Stainless Steel Liner, Add</i>	2.39	
		<i>For 2" Wall Instead Of 1", Add</i>	19.55	
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	34.33	
23 51 16 00-0124	EA	22" Or 24" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe .....	174.50	44.17
		<i>For Aluminum Liner, Add</i>	3.52	
		<i>For 304 Stainless Steel Liner, Add</i>	4.81	
		<i>For 2" Wall Instead Of 1", Add</i>	30.27	
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	50.92	
<b>23 51 16 00-0125 Adjustable Roof Flashing (23 51 16 00-0001)</b>				
23 51 16 00-0126	EA	3" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe .....	57.12	18.72
		<i>For Aluminum Liner, Add</i>	0.57	
		<i>For 304 Stainless Steel Liner, Add</i>	0.78	
		<i>For 2" Wall Instead Of 1", Add</i>	7.80	
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	14.03	
23 51 16 00-0127	EA	4" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe .....	62.93	19.77
		<i>For Aluminum Liner, Add</i>	0.74	
		<i>For 304 Stainless Steel Liner, Add</i>	1.01	
		<i>For 2" Wall Instead Of 1", Add</i>	8.98	
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	15.94	
23 51 16 00-0128	EA	6" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe .....	78.51	22.40
		<i>For Aluminum Liner, Add</i>	1.24	
		<i>For 304 Stainless Steel Liner, Add</i>	1.68	
		<i>For 2" Wall Instead Of 1", Add</i>	12.34	
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	21.32	
23 51 16 00-0129	EA	8" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe .....	95.38	25.87
		<i>For Aluminum Liner, Add</i>	1.69	
		<i>For 304 Stainless Steel Liner, Add</i>	2.30	
		<i>For 2" Wall Instead Of 1", Add</i>	15.68	
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	26.75	
23 51 16 00-0130	EA	10" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe .....	154.39	28.07
		<i>For Aluminum Liner, Add</i>	4.63	
		<i>For 304 Stainless Steel Liner, Add</i>	6.32	
		<i>For 2" Wall Instead Of 1", Add</i>	32.29	
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	51.94	
23 51 16 00-0131	EA	12" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe .....	183.32	30.60
		<i>For Aluminum Liner, Add</i>	5.88	
		<i>For 304 Stainless Steel Liner, Add</i>	8.02	
		<i>For 2" Wall Instead Of 1", Add</i>	39.71	
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	63.38	
23 51 16 00-0132	EA	14" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe .....	215.47	33.65
		<i>For Aluminum Liner, Add</i>	7.22	
		<i>For 304 Stainless Steel Liner, Add</i>	9.85	
		<i>For 2" Wall Instead Of 1", Add</i>	47.82	
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	75.93	
23 51 16 00-0133	EA	16" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe .....	256.64	37.44
		<i>For Aluminum Liner, Add</i>	8.97	
		<i>For 304 Stainless Steel Liner, Add</i>	12.23	
		<i>For 2" Wall Instead Of 1", Add</i>	58.27	
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	92.09	
23 51 16 00-0134	EA	18" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe .....	385.99	42.06
		<i>For Aluminum Liner, Add</i>	15.44	
		<i>For 304 Stainless Steel Liner, Add</i>	21.06	
		<i>For 2" Wall Instead Of 1", Add</i>	94.76	
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	147.40	
23 51 16 00-0135	EA	20" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe .....	426.44	56.05
		<i>For Aluminum Liner, Add</i>	15.74	
		<i>For 304 Stainless Steel Liner, Add</i>	21.47	
		<i>For 2" Wall Instead Of 1", Add</i>	99.89	
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	156.85	
23 51 16 00-0136	EA	22" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe .....	542.64	72.14
		<i>For Aluminum Liner, Add</i>	19.93	
		<i>For 304 Stainless Steel Liner, Add</i>	27.17	
		<i>For 2" Wall Instead Of 1", Add</i>	126.73	
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	199.11	
23 51 16 00-0137	EA	24" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe .....	645.11	84.13
		<i>For Aluminum Liner, Add</i>	23.91	
		<i>For 304 Stainless Steel Liner, Add</i>	32.61	
		<i>For 2" Wall Instead Of 1", Add</i>	151.47	
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	237.72	
<b>23 51 16 00-0138 Galvanized Storm Collars (23 51 16 00-0001)</b>				

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0139	EA		3" Round Galvanized Storm Collar, Double Wall.....	22.67	7.89
			For Aluminum Liner, Add	0.17	
			For 304 Stainless Steel Liner, Add	0.23	
			For 2" Wall Instead Of 1", Add	2.87	
			For 3" To 4" Wall Instead Of 1", Add	5.29	
23 51 16 00-0140	EA		4" Round Galvanized Storm Collar, Double Wall.....	28.69	10.10
			For Aluminum Liner, Add	0.19	
			For 304 Stainless Steel Liner, Add	0.26	
			For 2" Wall Instead Of 1", Add	3.56	
			For 3" To 4" Wall Instead Of 1", Add	6.60	
23 51 16 00-0141	EA		5" Round Galvanized Storm Collar, Double Wall.....	33.74	11.78
			For Aluminum Liner, Add	0.24	
			For 304 Stainless Steel Liner, Add	0.32	
			For 2" Wall Instead Of 1", Add	4.23	
			For 3" To 4" Wall Instead Of 1", Add	7.82	
23 51 16 00-0142	EA		6" Round Galvanized Storm Collar, Double Wall.....	38.81	13.46
			For Aluminum Liner, Add	0.28	
			For 304 Stainless Steel Liner, Add	0.39	
			For 2" Wall Instead Of 1", Add	4.91	
			For 3" To 4" Wall Instead Of 1", Add	9.05	
23 51 16 00-0143	EA		7" Or 8" Round Galvanized Storm Collar, Double Wall.....	48.93	16.83
			For Aluminum Liner, Add	0.38	
			For 304 Stainless Steel Liner, Add	0.51	
			For 2" Wall Instead Of 1", Add	6.27	
			For 3" To 4" Wall Instead Of 1", Add	11.50	
23 51 16 00-0144	EA		10" Round Galvanized Storm Collar, Double Wall.....	67.54	22.71
			For Aluminum Liner, Add	0.59	
			For 304 Stainless Steel Liner, Add	0.81	
			For 2" Wall Instead Of 1", Add	8.90	
			For 3" To 4" Wall Instead Of 1", Add	16.20	
23 51 16 00-0145	EA		12" Round Galvanized Storm Collar, Double Wall.....	83.39	28.19
			For Aluminum Liner, Add	0.71	
			For 304 Stainless Steel Liner, Add	0.97	
			For 2" Wall Instead Of 1", Add	10.92	
			For 3" To 4" Wall Instead Of 1", Add	19.91	
23 51 16 00-0146	EA		14" Or 16" Round Galvanized Storm Collar, Double Wall.....	106.05	33.65
			For Aluminum Liner, Add	1.21	
			For 304 Stainless Steel Liner, Add	1.64	
			For 2" Wall Instead Of 1", Add	14.99	
			For 3" To 4" Wall Instead Of 1", Add	26.69	
23 51 16 00-0147	EA		18" Or 20" Round Galvanized Storm Collar, Double Wall.....	139.58	39.97
			For Aluminum Liner, Add	2.18	
			For 304 Stainless Steel Liner, Add	2.98	
			For 2" Wall Instead Of 1", Add	21.89	
			For 3" To 4" Wall Instead Of 1", Add	37.84	
23 51 16 00-0148	EA		22" Or 24" Round Galvanized Storm Collar, Double Wall.....	194.02	44.17
			For Aluminum Liner, Add	4.60	
			For 304 Stainless Steel Liner, Add	6.27	
			For 2" Wall Instead Of 1", Add	36.12	
			For 3" To 4" Wall Instead Of 1", Add	59.71	
23 51 16 00-0149			<b>Oval Galvanized Double Wall Flue/Vent Pipe And Fittings</b> (23 51 16)		
23 51 16 00-0150			<b>Oval Galvanized Double Wall Flue/Vent Pipe</b> (23 51 16 00-0149)		
23 51 16 00-0151	LF		4" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	37.70	9.89
			For 2" Wall Instead Of 1", Add	6.37	
			For 3" To 4" Wall Instead Of 1", Add	10.79	
23 51 16 00-0152	LF		5" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	41.52	10.52
			For 2" Wall Instead Of 1", Add	7.24	
			For 3" To 4" Wall Instead Of 1", Add	12.16	
23 51 16 00-0153	LF		6" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	45.95	11.26
			For 2" Wall Instead Of 1", Add	8.17	
			For 3" To 4" Wall Instead Of 1", Add	13.66	
23 51 16 00-0154			<b>45 Degree Elbows</b> (23 51 16 00-0149)		
23 51 16 00-0155	EA		4" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	82.42	20.51
			For 2" Wall Instead Of 1", Add	14.47	
			For 3" To 4" Wall Instead Of 1", Add	24.26	
23 51 16 00-0156	EA		5" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	96.18	23.97
			For 2" Wall Instead Of 1", Add	16.86	
			For 3" To 4" Wall Instead Of 1", Add	28.29	
23 51 16 00-0157	EA		6" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	114.31	27.13
			For 2" Wall Instead Of 1", Add	20.72	
			For 3" To 4" Wall Instead Of 1", Add	34.48	
23 51 16 00-0158	EA		4" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	83.98	20.51
			For 2" Wall Instead Of 1", Add	14.93	
			For 3" To 4" Wall Instead Of 1", Add	24.97	
23 51 16 00-0159	EA		5" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	99.96	23.97
			For 2" Wall Instead Of 1", Add	18.00	
			For 3" To 4" Wall Instead Of 1", Add	29.99	
23 51 16 00-0160	EA		6" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	116.75	27.13
			For 2" Wall Instead Of 1", Add	21.46	
			For 3" To 4" Wall Instead Of 1", Add	35.58	
23 51 16 00-0161			<b>Tees</b> (23 51 16 00-0149)		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 50 Central Heating Equipment**

**23 51 Breechings, Chimneys, and Stacks**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 51 16 00-0162	EA 4" Standard Oval Flue/Vent Pipe Tee, Galvanized Double Wall Breech/Smoke Pipe ..... <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	137.25 25.60 42.29	31.13
23 51 16 00-0163	EA 4" Short Snout Oval Flue/Vent Tee, Galvanized Double Wall Breech/Smoke Pipe ..... <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	139.69 26.33 43.39	31.13
23 51 16 00-0164	EA 5" Standard Oval Flue/Vent Pipe Tee, Galvanized Double Wall Breech/Smoke Pipe ..... <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	160.52 30.28 49.89	35.75
23 51 16 00-0165	EA 6" Oval Flue/Vent Tee With Round Coupling, Galvanized Double Wall Breech/Smoke Pipe ..... <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	183.51 35.02 57.54	40.07
<b>23 51 16 00-0166</b>	<b>Tops/Caps And Adjustable Flashing</b> <small>(23 51 16 00-0149)</small>		
23 51 16 00-0167	EA 4" Oval Flue/Vent Pipe Top/Cap, Galvanized Double Wall Breech/Smoke Pipe ..... <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	52.24 10.60 17.17	10.10
23 51 16 00-0168	EA 6" Oval Flue/Vent Pipe Top/Cap, Galvanized Double Wall Breech/Smoke Pipe ..... <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	81.15 17.56 28.04	13.56
23 51 16 00-0169	EA 4" Oval Flue/Vent Adjustable Flashing, Galvanized Double Wall Breech/Smoke Pipe ..... <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	42.68 7.74 12.87	10.10
23 51 16 00-0170	EA 6" Oval Flue/Vent Adjustable Flashing, Galvanized Double Wall Breech/Smoke Pipe ..... <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	72.15 14.86 23.99	13.56
<b>23 51 16 00-0171</b>	<b>Storm Collars</b> <small>(23 51 16 00-0149)</small>		
23 51 16 00-0172	EA 4" Oval Galvanized Storm Collar, Double Wall ..... <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	28.69 3.56 6.60	10.10
23 51 16 00-0173	EA 5" Oval Galvanized Storm Collar, Double Wall ..... <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	33.74 4.23 7.82	11.78
23 51 16 00-0174	EA 6" Oval Galvanized Storm Collar, Double Wall ..... <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	38.81 4.91 9.05	13.46
<b>23 51 16 00-0175</b>	<b>Round Double Wall Flue/Vent Pipe And Fittings</b> <small>(23 51 16)</small>		
	Note: 304 Stainless steel inner wall and aluminum steel outer jacket, with 1" insulation.		
<b>23 51 16 00-0176</b>	<b>Round Double Wall Flue/Vent Pipe</b> <small>(23 51 16 00-0175)</small>		
	Note: 304 Stainless steel inner wall and aluminum steel outer jacket, with 1" insulation.		
23 51 16 00-0177	LF 6" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket ..... <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	104.81 12.28 7.67 15.34	11.26
23 51 16 00-0178	LF 8" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket ..... <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	126.04 14.98 9.36 18.73	12.94
23 51 16 00-0179	LF 10" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket ..... <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	139.92 16.79 10.49 20.98	13.99
23 51 16 00-0180	LF 12" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket ..... <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	157.82 19.13 11.96 23.92	15.25
23 51 16 00-0181	LF 14" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket ..... <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	177.71 22.02 13.76 27.53	15.98
23 51 16 00-0182	LF 16" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket ..... <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	187.68 23.29 14.55 29.11	16.83
23 51 16 00-0183	LF 18" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket ..... <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	207.92 26.17 16.36 32.72	17.78
23 51 16 00-0184	LF 20" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket ..... <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	257.43 29.96 18.73 37.46	28.07



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0185	LF		24" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	320.33	31.55
			For 316 Stainless Steel, Add.....	38.63	
			For 2" Insulated Wall Instead Of 1" Thickness, Add.....	24.14	
			For 3" Insulated Wall Instead Of 1" Thickness, Add.....	48.29	
23 51 16 00-0186	LF		28" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	361.63	33.65
			For 316 Stainless Steel, Add.....	44.41	
			For 2" Insulated Wall Instead Of 1" Thickness, Add.....	27.75	
			For 3" Insulated Wall Instead Of 1" Thickness, Add.....	55.51	
23 51 16 00-0187	LF		32" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	404.77	37.34
			For 316 Stainless Steel, Add.....	49.82	
			For 2" Insulated Wall Instead Of 1" Thickness, Add.....	31.14	
			For 3" Insulated Wall Instead Of 1" Thickness, Add.....	62.28	
23 51 16 00-0188	LF		36" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	450.58	40.38
			For 316 Stainless Steel, Add.....	55.96	
			For 2" Insulated Wall Instead Of 1" Thickness, Add.....	34.98	
			For 3" Insulated Wall Instead Of 1" Thickness, Add.....	69.95	
23 51 16 00-0189	LF		42" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	514.37	45.95
			For 316 Stainless Steel, Add.....	63.90	
			For 2" Insulated Wall Instead Of 1" Thickness, Add.....	39.94	
			For 3" Insulated Wall Instead Of 1" Thickness, Add.....	79.88	
23 51 16 00-0190	LF		48" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	602.38	53.22
			For 316 Stainless Steel, Add.....	75.09	
			For 2" Insulated Wall Instead Of 1" Thickness, Add.....	46.93	
			For 3" Insulated Wall Instead Of 1" Thickness, Add.....	93.87	
<b>23 51 16 00-0191</b>			<b>90 Degree Elbows</b> <small>(23 51 16 00-0175)</small>		
23 51 16 00-0192	EA		6" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	493.56	23.24
			For 316 Stainless Steel, Add.....	87.10	
			For 2" Insulated Wall Instead Of 1" Thickness, Add.....	43.55	
			For 3" Insulated Wall Instead Of 1" Thickness, Add.....	87.10	
23 51 16 00-0193	EA		8" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	545.28	25.87
			For 316 Stainless Steel, Add.....	96.12	
			For 2" Insulated Wall Instead Of 1" Thickness, Add.....	48.06	
			For 3" Insulated Wall Instead Of 1" Thickness, Add.....	96.12	
23 51 16 00-0194	EA		10" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	620.75	28.07
			For 316 Stainless Steel, Add.....	110.11	
			For 2" Insulated Wall Instead Of 1" Thickness, Add.....	55.06	
			For 3" Insulated Wall Instead Of 1" Thickness, Add.....	110.11	
23 51 16 00-0195	EA		12" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	701.49	30.60
			For 316 Stainless Steel, Add.....	125.01	
			For 2" Insulated Wall Instead Of 1" Thickness, Add.....	62.50	
			For 3" Insulated Wall Instead Of 1" Thickness, Add.....	125.01	
23 51 16 00-0196	EA		14" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	813.48	32.08
			For 316 Stainless Steel, Add.....	146.67	
			For 2" Insulated Wall Instead Of 1" Thickness, Add.....	73.33	
			For 3" Insulated Wall Instead Of 1" Thickness, Add.....	146.67	
23 51 16 00-0197	EA		16" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	896.43	33.65
			For 316 Stainless Steel, Add.....	162.46	
			For 2" Insulated Wall Instead Of 1" Thickness, Add.....	81.23	
			For 3" Insulated Wall Instead Of 1" Thickness, Add.....	162.46	
23 51 16 00-0198	EA		18" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,036.24	35.44
			For 316 Stainless Steel, Add.....	189.54	
			For 2" Insulated Wall Instead Of 1" Thickness, Add.....	94.77	
			For 3" Insulated Wall Instead Of 1" Thickness, Add.....	189.54	
23 51 16 00-0199	EA		20" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,200.75	56.05
			For 316 Stainless Steel, Add.....	212.11	
			For 2" Insulated Wall Instead Of 1" Thickness, Add.....	106.05	
			For 3" Insulated Wall Instead Of 1" Thickness, Add.....	212.11	
23 51 16 00-0200	EA		24" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,477.76	63.10
			For 316 Stainless Steel, Add.....	264.00	
			For 2" Insulated Wall Instead Of 1" Thickness, Add.....	132.00	
			For 3" Insulated Wall Instead Of 1" Thickness, Add.....	264.00	
23 51 16 00-0201	EA		28" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,792.90	67.30
			For 316 Stainless Steel, Add.....	324.93	
			For 2" Insulated Wall Instead Of 1" Thickness, Add.....	162.46	
			For 3" Insulated Wall Instead Of 1" Thickness, Add.....	324.93	
23 51 16 00-0202	EA		32" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	2,368.95	72.04
			For 316 Stainless Steel, Add.....	437.75	
			For 2" Insulated Wall Instead Of 1" Thickness, Add.....	218.87	
			For 3" Insulated Wall Instead Of 1" Thickness, Add.....	437.75	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 50 Central Heating Equipment**

**23 51 Breechings, Chimneys, and Stacks**



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 51 16 00-0203	EA	36" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,692.41	84.13
		<i>For 316 Stainless Steel, Add</i>	496.42	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	248.21	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	496.42	
23 51 16 00-0204	EA	42" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,952.51	91.80
		<i>For 316 Stainless Steel, Add</i>	744.62	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	372.31	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	744.62	
23 51 16 00-0205	EA	48" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	4,934.49	100.95
		<i>For 316 Stainless Steel, Add</i>	936.42	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	468.21	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	936.42	

**23 51 16 00-0206 45 Degree Elbows** (23 51 16 00-0175)

23 51 16 00-0207	EA	6" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	329.08	22.40
		<i>For 316 Stainless Steel, Add</i>	54.61	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	27.30	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	54.61	
23 51 16 00-0208	EA	8" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	376.05	25.87
		<i>For 316 Stainless Steel, Add</i>	62.28	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	31.14	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	62.28	
23 51 16 00-0209	EA	10" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	417.64	28.07
		<i>For 316 Stainless Steel, Add</i>	69.50	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	34.75	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	69.50	
23 51 16 00-0210	EA	12" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	475.85	30.60
		<i>For 316 Stainless Steel, Add</i>	79.88	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	39.94	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	79.88	
23 51 16 00-0211	EA	14" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	535.94	32.08
		<i>For 316 Stainless Steel, Add</i>	91.16	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	45.58	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	91.16	
23 51 16 00-0212	EA	16" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	600.83	33.65
		<i>For 316 Stainless Steel, Add</i>	103.34	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	51.67	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	103.34	
23 51 16 00-0213	EA	18" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	672.96	35.44
		<i>For 316 Stainless Steel, Add</i>	116.88	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	58.44	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	116.88	
23 51 16 00-0214	EA	20" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	808.14	56.05
		<i>For 316 Stainless Steel, Add</i>	133.58	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	66.79	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	133.58	
23 51 16 00-0215	EA	24" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,015.20	63.10
		<i>For 316 Stainless Steel, Add</i>	171.49	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	85.75	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	171.49	
23 51 16 00-0216	EA	28" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,138.53	67.30
		<i>For 316 Stainless Steel, Add</i>	194.05	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	97.03	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	194.05	
23 51 16 00-0217	EA	32" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,477.66	72.04
		<i>For 316 Stainless Steel, Add</i>	259.49	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	129.75	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	259.49	
23 51 16 00-0218	EA	36" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,959.07	84.13
		<i>For 316 Stainless Steel, Add</i>	349.75	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	174.87	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	349.75	
23 51 16 00-0219	EA	42" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,598.65	91.80
		<i>For 316 Stainless Steel, Add</i>	473.85	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	236.93	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	473.85	
23 51 16 00-0220	EA	48" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,467.83	100.95
		<i>For 316 Stainless Steel, Add</i>	643.08	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	321.54	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	643.08	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>23 51 16 00-0221</b>			<b>Tees</b> <small>(23 51 16 00-0175)</small>		
23 51 16 00-0222	EA		6" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	356.75	28.07
			<i>For 316 Stainless Steel, Add</i>	63.05	
			<i>For Tee Cap, Add</i>	81.88	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	28.66	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	57.31	
23 51 16 00-0223	EA		8" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	405.90	30.60
			<i>For 316 Stainless Steel, Add</i>	72.48	
			<i>For Tee Cap, Add</i>	92.65	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	32.94	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	65.89	
23 51 16 00-0224	EA		10" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	465.96	32.08
			<i>For 316 Stainless Steel, Add</i>	84.89	
			<i>For Tee Cap, Add</i>	105.21	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	38.59	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	77.17	
23 51 16 00-0225	EA		12" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	535.39	33.65
			<i>For 316 Stainless Steel, Add</i>	99.28	
			<i>For Tee Cap, Add</i>	119.69	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	45.13	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	90.26	
23 51 16 00-0226	EA		14" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	626.00	37.44
			<i>For 316 Stainless Steel, Add</i>	117.15	
			<i>For Tee Cap, Add</i>	139.22	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	53.25	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	106.50	
23 51 16 00-0227	EA		16" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	703.05	42.06
			<i>For 316 Stainless Steel, Add</i>	131.55	
			<i>For Tee Cap, Add</i>	156.37	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	59.80	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	119.59	
23 51 16 00-0228	EA		18" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	819.59	48.06
			<i>For 316 Stainless Steel, Add</i>	153.89	
			<i>For Tee Cap, Add</i>	181.93	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	69.95	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	139.90	
23 51 16 00-0229	EA		20" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	938.20	59.41
			<i>For 316 Stainless Steel, Add</i>	173.75	
			<i>For Tee Cap, Add</i>	209.91	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	78.98	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	157.95	
23 51 16 00-0230	EA		24" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,191.88	84.13
			<i>For 316 Stainless Steel, Add</i>	215.94	
			<i>For Tee Cap, Add</i>	269.93	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	98.16	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	196.31	
23 51 16 00-0231	EA		28" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,447.87	91.80
			<i>For 316 Stainless Steel, Add</i>	268.07	
			<i>For Tee Cap, Add</i>	323.98	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	121.85	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	243.70	
23 51 16 00-0232	EA		32" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,922.14	100.95
			<i>For 316 Stainless Steel, Add</i>	367.35	
			<i>For Tee Cap, Add</i>	422.29	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	166.98	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	333.95	
23 51 16 00-0233	EA		36" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	2,142.14	112.21
			<i>For 316 Stainless Steel, Add</i>	409.54	
			<i>For Tee Cap, Add</i>	470.52	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	186.16	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	372.31	
23 51 16 00-0234	EA		42" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	3,410.43	168.26
			<i>For 316 Stainless Steel, Add</i>	657.75	
			<i>For Tee Cap, Add</i>	745.18	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	298.98	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	597.96	
23 51 16 00-0235	EA		48" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	4,284.34	201.91
			<i>For 316 Stainless Steel, Add</i>	831.50	
			<i>For Tee Cap, Add</i>	932.59	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	377.95	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	755.91	

**23 51 16 00-0236**      **Bellows** (23 51 16 00-0175)

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 51 16 00-0237	EA	6" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	674.31	22.40
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	61.83	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	123.65	
23 51 16 00-0238	EA	8" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	734.82	25.87
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	67.02	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	134.03	
23 51 16 00-0239	EA	10" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	803.52	28.07
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	73.33	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	146.67	
23 51 16 00-0240	EA	12" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	888.78	30.60
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	81.23	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	162.46	
23 51 16 00-0241	EA	14" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	994.00	32.08
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	91.39	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	182.77	
23 51 16 00-0242	EA	16" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,099.51	33.65
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	101.54	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	203.08	
23 51 16 00-0243	EA	18" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,228.04	35.44
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	113.95	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	227.90	
23 51 16 00-0244	EA	20" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,426.38	56.05
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	128.62	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	257.23	
23 51 16 00-0245	EA	24" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,759.83	63.10
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	160.21	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	320.41	
23 51 16 00-0246	EA	28" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,973.43	67.30
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	180.52	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	361.03	
23 51 16 00-0247	EA	32" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	2,256.24	72.14
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	207.59	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	415.18	
23 51 16 00-0248	EA	36" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	2,579.60	84.13
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	236.93	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	473.85	
23 51 16 00-0249	EA	42" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	3,275.60	91.80
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	304.62	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	609.24	
23 51 16 00-0250	EA	48" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	3,975.53	100.95
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	372.31	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	744.62	
<b>23 51 16 00-0251</b>		<b>Ventilated Roof Thimbles</b> <small>(23 51 16 00-0175)</small>		
23 51 16 00-0252	EA	6" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	448.30	25.87
		<i>For 316 Stainless Steel, Add</i>	38.36	
23 51 16 00-0253	EA	8" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	487.13	30.60
		<i>For 316 Stainless Steel, Add</i>	41.07	
23 51 16 00-0254	EA	10" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	533.13	33.65
		<i>For 316 Stainless Steel, Add</i>	44.90	
23 51 16 00-0255	EA	12" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	576.41	37.44
		<i>For 316 Stainless Steel, Add</i>	48.29	
23 51 16 00-0256	EA	14" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	733.06	39.64
		<i>For 316 Stainless Steel, Add</i>	63.41	
23 51 16 00-0257	EA	16" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	655.71	42.06
		<i>For 316 Stainless Steel, Add</i>	55.06	
23 51 16 00-0258	EA	18" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	705.67	44.90
		<i>For 316 Stainless Steel, Add</i>	59.34	
23 51 16 00-0259	EA	20" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	794.08	63.10
		<i>For 316 Stainless Steel, Add</i>	63.63	
23 51 16 00-0260	EA	24" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	890.87	72.04
		<i>For 316 Stainless Steel, Add</i>	71.08	
23 51 16 00-0261	EA	28" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,017.62	77.61
		<i>For 316 Stainless Steel, Add</i>	82.36	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0262	EA		32" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,135.33	84.02
			<i>For 316 Stainless Steel, Add</i> .....	92.51	
23 51 16 00-0263	EA		36" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,267.64	100.85
			<i>For 316 Stainless Steel, Add</i> .....	101.54	
23 51 16 00-0264	EA		42" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,622.89	112.11
			<i>For 316 Stainless Steel, Add</i> .....	134.26	
23 51 16 00-0265	EA		48" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	2,007.60	126.09
			<i>For 316 Stainless Steel, Add</i> .....	169.23	
<b>23 51 16 00-0266</b>			<b>Exit Cones</b> <small>(23 51 16 00-0175)</small>		
23 51 16 00-0267	EA		6" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	309.65	14.62
23 51 16 00-0268	EA		8" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	326.65	15.98
23 51 16 00-0269	EA		10" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	351.18	16.83
23 51 16 00-0270	EA		12" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	366.95	17.67
23 51 16 00-0271	EA		14" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	404.23	18.19
23 51 16 00-0272	EA		16" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	441.53	18.61
23 51 16 00-0273	EA		18" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	535.43	19.25
23 51 16 00-0274	EA		20" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	670.05	36.07
23 51 16 00-0275	EA		24" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	841.67	38.81
23 51 16 00-0276	EA		28" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,003.54	40.38
23 51 16 00-0277	EA		32" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,233.39	42.06
23 51 16 00-0278	EA		36" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,400.93	45.95
23 51 16 00-0279	EA		42" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,767.42	48.06
23 51 16 00-0280	EA		48" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	2,258.53	50.48
<b>23 51 16 00-0281</b>			<b>Vent Top Caps</b> <small>(23 51 16 00-0175)</small>		
23 51 16 00-0282	EA		6" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	338.89	14.62
23 51 16 00-0283	EA		8" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	392.07	15.98
23 51 16 00-0284	EA		10" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	454.96	16.83
23 51 16 00-0285	EA		12" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	522.61	17.67
23 51 16 00-0286	EA		14" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	609.53	18.19
23 51 16 00-0287	EA		16" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	692.06	18.72
23 51 16 00-0288	EA		18" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	770.13	19.25
23 51 16 00-0289	EA		20" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	924.93	36.07
23 51 16 00-0290	EA		24" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,101.17	38.81
23 51 16 00-0291	EA		28" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,195.27	40.38
23 51 16 00-0292	EA		32" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,357.42	42.06
23 51 16 00-0293	EA		36" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,581.32	45.85
23 51 16 00-0294	EA		42" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,925.30	48.06
23 51 16 00-0295	EA		48" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	2,235.90	50.48
<b>23 51 16 00-0296</b>			<b>Roof Support Assemblies</b> <small>(23 51 16 00-0175)</small>		
23 51 16 00-0297	EA		6" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	511.73	26.93
			<i>For 316 Stainless Steel, Add</i> .....	88.90	
23 51 16 00-0298	EA		8" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	565.27	32.08
			<i>For 316 Stainless Steel, Add</i> .....	97.03	
23 51 16 00-0299	EA		10" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	621.01	35.44
			<i>For 316 Stainless Steel, Add</i> .....	106.50	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 50 Central Heating Equipment**

**23 51 Breechings, Chimneys, and Stacks**



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 51	16 00-0300	EA	12" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	663.02	39.54
			<i>For 316 Stainless Steel, Add</i>	112.82	
23 51	16 00-0301	EA	14" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	739.21	42.06
			<i>For 316 Stainless Steel, Add</i>	126.81	
23 51	16 00-0302	EA	16" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	784.61	44.90
			<i>For 316 Stainless Steel, Add</i>	134.48	
23 51	16 00-0303	EA	18" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	842.35	48.17
			<i>For 316 Stainless Steel, Add</i>	144.41	
23 51	16 00-0304	EA	20" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	935.45	67.30
			<i>For 316 Stainless Steel, Add</i>	153.44	
23 51	16 00-0305	EA	24" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,051.62	77.71
			<i>For 316 Stainless Steel, Add</i>	171.49	
23 51	16 00-0306	EA	28" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,214.45	84.13
			<i>For 316 Stainless Steel, Add</i>	200.82	
23 51	16 00-0307	EA	32" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,447.89	91.80
			<i>For 316 Stainless Steel, Add</i>	243.70	
23 51	16 00-0308	EA	36" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,679.57	112.21
			<i>For 316 Stainless Steel, Add</i>	279.80	
23 51	16 00-0309	EA	42" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	2,504.20	126.19
			<i>For 316 Stainless Steel, Add</i>	437.75	
23 51	16 00-0310	EA	48" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	3,066.40	143.44
			<i>For 316 Stainless Steel, Add</i>	541.55	
23 51	16 00-0311		<b>Round Stainless Steel Double Wall Flue/Vent Pipe And Fittings</b> <small>(23 51 16)</small>		
			Note: With 1" insulation.		
23 51	16 00-0312		<b>Round Stainless Steel Double Wall Flue/Vent Pipe</b> <small>(23 51 16 00-0311)</small>		
			Note: With 1" insulation.		
23 51	16 00-0313	LF	6" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe.....	91.27	11.26
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	6.32	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	12.64	
23 51	16 00-0314	LF	7" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe.....	111.30	11.99
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	8.12	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	16.25	
23 51	16 00-0315	LF	8" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe.....	127.17	12.94
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	9.48	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	18.95	
23 51	16 00-0316	LF	10" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe.....	172.60	13.99
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	13.76	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	27.53	
23 51	16 00-0317	LF	12" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe.....	223.31	15.36
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	18.50	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	37.01	
23 51	16 00-0318	LF	14" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe.....	283.86	16.09
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	24.37	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	48.74	
23 51	16 00-0319		<b>90 Degree Elbows</b> <small>(23 51 16 00-0311)</small>		
23 51	16 00-0320	EA	6" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe .....	197.12	22.40
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	14.10	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	28.21	
23 51	16 00-0321	EA	7" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe .....	217.99	23.97
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	15.80	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	31.59	
23 51	16 00-0322	EA	8" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe .....	245.22	25.87
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	18.05	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	36.10	
23 51	16 00-0323	EA	10" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe .....	304.82	28.07
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	23.47	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	46.93	
23 51	16 00-0324	EA	12" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe .....	363.04	30.60
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	28.66	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	57.31	
23 51	16 00-0325	EA	14" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe .....	423.07	32.08
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	34.30	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	68.60	
23 51	16 00-0326		<b>45 Degree Elbows</b> <small>(23 51 16 00-0311)</small>		
23 51	16 00-0327	EA	6" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe .....	161.87	22.40
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	10.58	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	21.15	
23 51	16 00-0328	EA	7" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe .....	178.50	23.97
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	11.85	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	23.69	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0329	EA		8" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe ..... <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	200.10 13.54 27.08	25.87
23 51 16 00-0330	EA		10" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe ..... <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	246.15 17.60 35.20	28.07
23 51 16 00-0331	EA		12" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe ..... <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	291.38 21.49 42.99	30.60
23 51 16 00-0332	EA		14" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe ..... <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	337.36 25.72 51.45	32.08
<b>23 51 16 00-0333</b>			<b>Tees With Tee Caps</b> <small>(23 51 16 00-0311)</small>		
23 51 16 00-0334	EA		6" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe ..... <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	322.30 26.63 53.25	22.40
23 51 16 00-0335	EA		7" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe ..... <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	407.54 34.75 69.50	23.97
23 51 16 00-0336	EA		8" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe ..... <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	457.29 39.26 78.52	25.87
23 51 16 00-0337	EA		10" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe ..... <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	622.91 55.28 110.57	28.07
23 51 16 00-0338	EA		12" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe ..... <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	854.89 77.85 155.69	30.60
23 51 16 00-0339	EA		14" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe ..... <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	1,095.46 101.54 203.08	32.08
<b>23 51 16 00-0340</b>			<b>Joist Shields</b> <small>(23 51 16 00-0311)</small>		
23 51 16 00-0341	EA		6" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe .....	137.29	22.40
23 51 16 00-0342	EA		7" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe .....	148.05	23.97
23 51 16 00-0343	EA		8" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe .....	172.98	25.87
23 51 16 00-0344	EA		10" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe .....	215.73	28.07
23 51 16 00-0345	EA		12" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe .....	258.09	30.60
23 51 16 00-0346	EA		14" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe .....	305.73	32.08
<b>23 51 16 00-0347</b>			<b>Adjustable Roof Flashing</b> <small>(23 51 16 00-0311)</small>		
23 51 16 00-0348	EA		6" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe .....	163.23	22.40
23 51 16 00-0349	EA		7" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe .....	181.89	23.97
23 51 16 00-0350	EA		8" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe .....	197.79	25.87
23 51 16 00-0351	EA		10" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe .....	240.52	28.07
23 51 16 00-0352	EA		12" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe .....	296.52	30.60
23 51 16 00-0353	EA		14" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe .....	355.34	31.96
<b>23 51 16 00-0354</b>			<b>Vent Top Caps</b> <small>(23 51 16 00-0311)</small>		
23 51 16 00-0355	EA		6" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe .....	146.32	22.40
23 51 16 00-0356	EA		7" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe .....	183.02	23.97
23 51 16 00-0357	EA		8" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe .....	229.39	25.87
23 51 16 00-0358	EA		10" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe .....	365.79	28.07
23 51 16 00-0359	EA		12" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe .....	498.46	30.60
23 51 16 00-0360	EA		14" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe .....	635.19	32.08
<b>23 51 16 00-0361</b>			<b>Roof Support Assemblies</b> <small>(23 51 16 00-0311)</small>		
23 51 16 00-0362	EA		6" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe .....	217.31	22.40
23 51 16 00-0363	EA		7" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe .....	241.68	23.97
23 51 16 00-0364	EA		8" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe .....	262.09	25.87
23 51 16 00-0365	EA		10" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe .....	329.59	28.07
23 51 16 00-0366	EA		12" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe .....	390.11	30.60
23 51 16 00-0367	EA		14" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe .....	477.24	32.08
<b>23 51 16 00-0368</b>			<b>Polyvinyl Chloride (PVC) Flue/Vent Accessories</b> <small>(23 51 16)</small>		
<b>23 51 16 00-0369</b>			<b>Concentric Polyvinyl Chloride (PVC) Vent Termination</b> <small>(23 51 16 00-0368)</small>		
23 51 16 00-0370	EA		2" Concentric Polyvinyl Chloride (PVC) Vent Termination .....	204.98	42.82
23 51 16 00-0371	EA		3" Concentric Polyvinyl Chloride (PVC) Vent Termination .....	222.03	42.82
<b>23 51 16 00-0372</b>			<b>Polypropylene (PP) Flue/Vent Pipe And Fittings</b> <small>(23 51 16)</small>		
			Note: Centrotherm InnoFlue® Vent System		
<b>23 51 16 00-0373</b>			<b>Polypropylene Flue/Vent Rigid Pipe Sections</b> <small>(23 51 16 00-0372)</small>		
			Note: Gasketed rigid single wall polypropylene vent lengths with dedicated male and female ends.		
23 51 16 00-0374	EA		2" x 12" Polypropylene Flue/Vent Rigid Pipe Section .....	39.29	13.01
23 51 16 00-0375	EA		2" x 24" Polypropylene Flue/Vent Rigid Pipe Section .....	44.56	13.69
23 51 16 00-0376	EA		2" x 36" Polypropylene Flue/Vent Rigid Pipe Section .....	51.03	15.22

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 51 16 00-0377	EA	2" x 72" Polypropylene Flue/Vent Rigid Pipe Section .....	63.27	17.90
23 51 16 00-0378	EA	3" x 12" Polypropylene Flue/Vent Rigid Pipe Section .....	47.16	14.91
23 51 16 00-0379	EA	3" x 24" Polypropylene Flue/Vent Rigid Pipe Section .....	56.72	15.70
23 51 16 00-0380	EA	3" x 36" Polypropylene Flue/Vent Rigid Pipe Section .....	69.43	17.44
23 51 16 00-0381	EA	3" x 72" Polypropylene Flue/Vent Rigid Pipe Section .....	85.77	20.52
23 51 16 00-0382	EA	4" x 12" Polypropylene Flue/Vent Rigid Pipe Section .....	77.51	19.73
23 51 16 00-0383	EA	4" x 24" Polypropylene Flue/Vent Rigid Pipe Section .....	91.31	20.76
23 51 16 00-0384	EA	4" x 36" Polypropylene Flue/Vent Rigid Pipe Section .....	113.31	23.08
23 51 16 00-0385	EA	4" x 72" Polypropylene Flue/Vent Rigid Pipe Section .....	146.57	27.14
23 51 16 00-0386	EA	5" x 12" Polypropylene Flue/Vent Rigid Pipe Section .....	114.96	29.12
23 51 16 00-0387	EA	5" x 24" Polypropylene Flue/Vent Rigid Pipe Section .....	131.23	30.64
23 51 16 00-0388	EA	5" x 36" Polypropylene Flue/Vent Rigid Pipe Section .....	170.11	34.05
23 51 16 00-0389	EA	5" x 72" Polypropylene Flue/Vent Rigid Pipe Section .....	220.75	40.07

**23 51 16 00-0390 Polypropylene Flue/Vent Elbows** (23 51 16 00-0372)

Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.

23 51 16 00-0391	EA	2" Polypropylene Flue/Vent 15 Degree Elbow .....	48.54	15.81
23 51 16 00-0392	EA	3" Polypropylene Flue/Vent 15 Degree Elbow .....	56.61	16.64
23 51 16 00-0393	EA	4" Polypropylene Flue/Vent 15 Degree Elbow .....	70.37	17.24
23 51 16 00-0394	EA	5" Polypropylene Flue/Vent 15 Degree Elbow .....	81.52	17.95
23 51 16 00-0395	EA	2" Polypropylene Flue/Vent 30 Degree Elbow .....	48.54	15.81
23 51 16 00-0396	EA	3" Polypropylene Flue/Vent 30 Degree Elbow .....	56.61	16.64
23 51 16 00-0397	EA	4" Polypropylene Flue/Vent 30 Degree Elbow .....	70.37	17.24
23 51 16 00-0398	EA	5" Polypropylene Flue/Vent 30 Degree Elbow .....	81.52	17.95
23 51 16 00-0399	EA	2" Polypropylene Flue/Vent 45 Degree Elbow .....	48.54	15.81
23 51 16 00-0400	EA	3" Polypropylene Flue/Vent 45 Degree Elbow .....	56.61	16.64
23 51 16 00-0401	EA	4" Polypropylene Flue/Vent 45 Degree Elbow .....	70.37	17.24
23 51 16 00-0402	EA	5" Polypropylene Flue/Vent 45 Degree Elbow .....	81.52	17.95
23 51 16 00-0403	EA	2" Polypropylene Flue/Vent 87 Degree Elbow .....	48.54	15.81
23 51 16 00-0404	EA	3" Polypropylene Flue/Vent 87 Degree Elbow .....	56.61	16.64
23 51 16 00-0405	EA	4" Polypropylene Flue/Vent 87 Degree Elbow .....	69.52	17.24
23 51 16 00-0406	EA	5" Polypropylene Flue/Vent 87 Degree Elbow .....	83.61	17.95

**23 51 16 00-0407 Polypropylene Flue/Vent Tees** (23 51 16 00-0372)

Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.

23 51 16 00-0408	EA	2" Polypropylene Flue/Vent Tee .....	148.52	23.71
23 51 16 00-0409	EA	3" Polypropylene Flue/Vent Tee .....	186.15	24.96
23 51 16 00-0410	EA	4" Polypropylene Flue/Vent Tee .....	218.11	25.87
23 51 16 00-0411	EA	5" Polypropylene Flue/Vent Tee .....	238.51	26.93

**23 51 16 00-0412 Polypropylene Flue/Vent Adaptors** (23 51 16 00-0372)

Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.

23 51 16 00-0413	EA	2" Polypropylene Flue/Vent Adaptor With Gasket.....	56.80	15.81
23 51 16 00-0414	EA	3" Polypropylene Flue/Vent Adaptor With Gasket.....	80.67	16.64
23 51 16 00-0415	EA	4" Polypropylene Flue/Vent Adaptor With Gasket.....	93.67	17.24
23 51 16 00-0416	EA	5" Polypropylene Flue/Vent Adaptor With Gasket.....	127.07	17.95

**23 51 16 00-0417 Polypropylene Flue/Vent Increases** (23 51 16 00-0372)

Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.

23 51 16 00-0418	EA	2" to 3" Polypropylene Flue/Vent Centric Increaser .....	62.79	16.22
23 51 16 00-0419	EA	3" to 4" Polypropylene Flue/Vent Centric Increaser .....	68.67	16.94
23 51 16 00-0420	EA	4" to 5" Polypropylene Flue/Vent Centric Increaser .....	121.96	17.59
23 51 16 00-0421	EA	2" to 3" Polypropylene Flue/Vent Eccentric Increaser.....	84.00	16.22
23 51 16 00-0422	EA	3" to 4" Polypropylene Flue/Vent Eccentric Increaser.....	66.94	16.94
23 51 16 00-0423	EA	4" to 5" Polypropylene Flue/Vent Eccentric Increaser.....	167.26	17.59

**23 51 16 00-0424 Polypropylene Flue/Vent Reducers** (23 51 16 00-0372)

Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.

23 51 16 00-0425	EA	3" to 2" Polypropylene Flue/Vent Reducer .....	62.79	16.22
23 51 16 00-0426	EA	4" to 3" Polypropylene Flue/Vent Reducer .....	68.67	16.94
23 51 16 00-0427	EA	5" to 4" Polypropylene Flue/Vent Reducer .....	150.20	17.59

**23 51 16 00-0428 Polypropylene Flue/Vent Test Ports** (23 51 16 00-0372)

Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.

23 51 16 00-0429	EA	2" Polypropylene Flue/Vent Test Port.....	80.02	23.71
23 51 16 00-0430	EA	3" Polypropylene Flue/Vent Test Port .....	89.57	24.96
23 51 16 00-0431	EA	4" Polypropylene Flue/Vent Test Port .....	135.60	25.87
23 51 16 00-0432	EA	5" Polypropylene Flue/Vent Test Port .....	144.70	26.93

**23 51 16 00-0433 Polypropylene Flue/Vent Cascade Components** (23 51 16 00-0372)

Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.

23 51 16 00-0434	EA	4" x 15" Polypropylene Flue/Vent Branch Tee With 4" Feeder .....	221.91	25.87
23 51 16 00-0435	EA	4" x 42" Polypropylene Flue/Vent Branch Tee With 4" Feeder .....	290.44	32.34
23 51 16 00-0436	EA	5" x 12" Polypropylene Flue/Vent Branch Tee With 4" Feeder .....	183.21	26.93
23 51 16 00-0437	EA	5" x 42" Polypropylene Flue/Vent Branch Tee With 4" Feeder .....	270.64	33.65
23 51 16 00-0438	EA	3" to 4" Polypropylene Flue/Vent Non-Return Valve.....	281.32	16.94
23 51 16 00-0439	EA	4" to 4" Polypropylene Flue/Vent Non-Return Valve.....	325.44	17.59



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**23 51 16 00-0440**
**Polypropylene Flue/Vent Condensate Management** (23 51 16 00-0372)

Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.

23 51 16 00-0441	EA	2"	Polypropylene Flue/Vent Horizontal Drain Tee.....	108.65	23.71
23 51 16 00-0442	EA	3"	Polypropylene Flue/Vent Horizontal Drain Tee.....	130.87	24.96
23 51 16 00-0443	EA	4"	Polypropylene Flue/Vent Horizontal Drain Tee.....	149.56	25.87
23 51 16 00-0444	EA	5"	Polypropylene Flue/Vent Horizontal Drain Tee.....	170.33	26.93
23 51 16 00-0445	EA	4"	Polypropylene Flue/Vent Horizontal Drain Fittings.....	188.30	25.87
23 51 16 00-0446	EA	5"	Polypropylene Flue/Vent Horizontal Drain Fittings.....	207.40	26.93
23 51 16 00-0447	EA	2"	Polypropylene Flue/Vent Tee Cap.....	61.91	7.91
23 51 16 00-0448	EA	3"	Polypropylene Flue/Vent Tee Cap.....	79.25	8.31
23 51 16 00-0449	EA	4"	Polypropylene Flue/Vent Tee Cap.....	94.03	8.63
23 51 16 00-0450	EA	5"	Polypropylene Flue/Vent Tee Cap.....	122.54	8.97
23 51 16 00-0451	EA	2"	Polypropylene Flue/Vent Tee Cap With Drain.....	121.05	23.71
23 51 16 00-0452	EA	3"	Polypropylene Flue/Vent Tee Cap With Drain.....	148.05	24.96
23 51 16 00-0453	EA	4"	Polypropylene Flue/Vent Tee Cap With Drain.....	170.87	25.87
23 51 16 00-0454	EA	5"	Polypropylene Flue/Vent Tee Cap With Drain.....	205.36	26.93

**23 51 16 00-0455**
**Polypropylene Flue/Vent Terminations** (23 51 16 00-0372)

23 51 16 00-0456	EA	2"	Polypropylene-UV Black Flue/Vent Chimney Cover.....	155.49	15.81
23 51 16 00-0457	EA	3"	Polypropylene-UV Black Flue/Vent Chimney Cover.....	137.50	16.64
23 51 16 00-0458	EA	4"	Polypropylene-UV Black Flue/Vent Chimney Cover.....	171.64	17.24
23 51 16 00-0459	EA	3"	Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe.....	348.31	16.64
23 51 16 00-0460	EA	4"	Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe.....	371.85	17.24
23 51 16 00-0461	EA	5"	Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe.....	433.81	17.95
23 51 16 00-0462	EA	2 1/4"	Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	92.62	15.81
23 51 16 00-0463	EA	2 1/5"	Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	97.93	15.81
23 51 16 00-0464	EA	2 1/6"	Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	103.24	15.81
23 51 16 00-0465	EA	2 1/7"	Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	108.55	15.81
23 51 16 00-0466	EA	3 1/4"	Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	100.01	16.64
23 51 16 00-0467	EA	3 1/5"	Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	105.32	16.64
23 51 16 00-0468	EA	3 1/6"	Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	110.63	16.64
23 51 16 00-0469	EA	3 1/7"	Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	115.94	16.64
23 51 16 00-0470	EA	4 1/5"	Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	112.15	17.24
23 51 16 00-0471	EA	4 1/6"	Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	117.46	17.24
23 51 16 00-0472	EA	4 1/7"	Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	122.77	17.24
23 51 16 00-0473	EA	2"	Polypropylene-UV Black Flue/Vent Low Profile Wall Termination.....	97.88	15.81
23 51 16 00-0474	EA	3"	Polypropylene-UV Black Flue/Vent Low Profile Wall Termination.....	124.97	16.64
23 51 16 00-0475	EA	2"	Polypropylene-UV Black Flue/Vent Termination Tee.....	114.41	23.71
23 51 16 00-0476	EA	3"	Polypropylene-UV Black Flue/Vent Termination Tee.....	149.92	24.96
23 51 16 00-0477	EA	4"	Polypropylene-UV Black Flue/Vent Termination Tee.....	176.81	25.87
23 51 16 00-0478	EA	5"	Polypropylene-UV Black Flue/Vent Termination Tee.....	194.62	26.93
23 51 16 00-0479	EA	2" x 20"	Polypropylene-UV Black Flue/Vent End Pipe.....	41.33	13.69
23 51 16 00-0480	EA	2" x 39"	Polypropylene-UV Black Flue/Vent End Pipe.....	49.33	15.22
23 51 16 00-0481	EA	3" x 20"	Polypropylene-UV Black Flue/Vent End Pipe.....	49.65	15.70
23 51 16 00-0482	EA	3" x 39"	Polypropylene-UV Black Flue/Vent End Pipe.....	61.78	17.44
23 51 16 00-0483	EA	4" x 20"	Polypropylene-UV Black Flue/Vent End Pipe.....	74.61	20.76
23 51 16 00-0484	EA	5" x 20"	Polypropylene-UV Black Flue/Vent End Pipe.....	103.20	30.64
23 51 16 00-0485	EA	5" x 39"	Polypropylene-UV Black Flue/Vent End Pipe.....	124.72	34.05
23 51 16 00-0486	EA	2" x 24"	Polypropylene-UV Black Flue/Vent Vent Length.....	45.59	13.69
23 51 16 00-0487	EA	3" x 24"	Polypropylene-UV Black Flue/Vent Vent Length.....	58.47	15.70
23 51 16 00-0488	EA	4" x 24"	Polypropylene-UV Black Flue/Vent Vent Length.....	95.25	20.76
23 51 16 00-0489	EA	2"	Polypropylene-UV Black Flue/Vent 45 Degree Elbow.....	50.23	15.81
23 51 16 00-0490	EA	3"	Polypropylene-UV Black Flue/Vent 45 Degree Elbow.....	58.73	16.64
23 51 16 00-0491	EA	4"	Polypropylene-UV Black Flue/Vent 45 Degree Elbow.....	73.09	17.24
23 51 16 00-0492	EA	2"	Polypropylene-UV Black Flue/Vent 87 Degree Elbow.....	49.43	15.81
23 51 16 00-0493	EA	3"	Polypropylene-UV Black Flue/Vent 87 Degree Elbow.....	58.20	16.64
23 51 16 00-0494	EA	4"	Polypropylene-UV Black Flue/Vent 87 Degree Elbow.....	72.16	17.24
23 51 16 00-0495	EA	2"	Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent.....	32.01	7.91
23 51 16 00-0496	EA	3"	Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent.....	37.21	8.31
23 51 16 00-0497	EA	4"	Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent.....	41.62	8.63
23 51 16 00-0498	EA	3"	Stainless Steel Bird Screen For Polypropylene Flue/Vent.....	80.72	8.31
23 51 16 00-0499	EA	5"	Stainless Steel Bird Screen For Polypropylene Flue/Vent.....	92.70	8.97

**23 51 16 00-0500**
**Polypropylene Flue/Vent Accessories** (23 51 16 00-0372)

23 51 16 00-0501	EA	2"	Spacer For Polypropylene Flue/Vent.....	16.30	3.95
23 51 16 00-0502	EA	3"	Spacer For Polypropylene Flue/Vent.....	15.56	4.16
23 51 16 00-0503	EA	4"	Spacer For Polypropylene Flue/Vent.....	16.04	4.31
23 51 16 00-0504	EA	5"	Spacer For Polypropylene Flue/Vent.....	25.12	4.49
23 51 16 00-0505	EA	2"	Flue Clamp For Polypropylene Flue/Vent.....	30.64	5.94
23 51 16 00-0506	EA	3"	Flue Clamp For Polypropylene Flue/Vent.....	35.96	6.24
23 51 16 00-0507	EA	4"	Flue Clamp For Polypropylene Flue/Vent.....	41.65	6.47
23 51 16 00-0508	EA	2"	Support Clamp For Polypropylene Flue/Vent.....	29.17	5.94
23 51 16 00-0509	EA	4"	Support Clamp For Polypropylene Flue/Vent.....	29.15	6.47
23 51 16 00-0510	EA	5"	Support Clamp For Polypropylene Flue/Vent.....	35.44	6.73
23 51 16 00-0511	EA	3"	Plastic Support Clamp For Polypropylene Flue/Vent.....	22.41	6.24
23 51 16 00-0512	EA	2"	Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent.....	44.87	15.81
23 51 16 00-0513	EA	3"	Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent.....	49.41	16.64
23 51 16 00-0514	EA	4"	Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent.....	53.16	17.24
23 51 16 00-0515	EA	5"	Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent.....	59.26	17.95
23 51 16 00-0516	EA	2"	Single Wall EDPM Gasket For Polypropylene Flue/Vent.....	3.41	
23 51 16 00-0517	EA	3"	Single Wall EDPM Gasket For Polypropylene Flue/Vent.....	3.81	
23 51 16 00-0518	EA	4"	Single Wall EDPM Gasket For Polypropylene Flue/Vent.....	5.16	
23 51 16 00-0519	EA	5"	Single Wall EDPM Gasket For Polypropylene Flue/Vent.....	8.53	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 50 Central Heating Equipment**

**23 51 Breechings, Chimneys, and Stacks**



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 51 16 00-0520	EA	2" Connector Ring For Polypropylene Flue/Vent .....	13.54	3.95
23 51 16 00-0521	EA	3" Connector Ring For Polypropylene Flue/Vent .....	15.31	4.16
23 51 16 00-0522	EA	4" Connector Ring For Polypropylene Flue/Vent .....	16.47	4.31
23 51 16 00-0523	EA	5" Connector Ring For Polypropylene Flue/Vent .....	18.20	4.49
23 51 16 00-0524	EA	2"/4" Polypropylene Flue/Vent Air Intake, White .....	67.23	7.91
23 51 16 00-0525	EA	3"/5" Polypropylene Flue/Vent Air Intake, White .....	68.94	8.31
23 51 16 00-0526	EA	4"/6" Polypropylene Flue/Vent Air Intake, White .....	51.37	8.63
23 51 16 00-0527	EA	2" Base Support For Polypropylene Flue/Vent .....	58.39	5.94
23 51 16 00-0528	EA	3" Base Support For Polypropylene Flue/Vent .....	60.24	6.24
23 51 16 00-0529	EA	4" Base Support For Polypropylene Flue/Vent .....	80.74	6.47
23 51 16 00-0530	EA	5" Base Support For Polypropylene Flue/Vent .....	136.57	6.73

**23 51 16 00-0531 Polypropylene Flue/Vent Flex Pipe (23 51 16 00-0372)**

23 51 16 00-0532	LF	2", Up To 50', Polypropylene Flue/Vent Flex Pipe .....	10.55	1.39
23 51 16 00-0533	LF	2", > 50', Polypropylene Flue/Vent Flex Pipe .....	9.14	1.39
23 51 16 00-0534	LF	3", Up To 50', Polypropylene Flue/Vent Flex Pipe .....	12.97	1.64
23 51 16 00-0535	LF	3", > 50', Polypropylene Flue/Vent Flex Pipe .....	11.19	1.64
23 51 16 00-0536	LF	4", Up To 50', Polypropylene Flue/Vent Flex Pipe .....	18.69	2.02
23 51 16 00-0537	LF	4", > 50', Polypropylene Flue/Vent Flex Pipe .....	15.96	2.02

**23 51 16 00-0538 Polypropylene Flue/Vent Couplers (23 51 16 00-0372)**

Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.

23 51 16 00-0539	EA	2" Polypropylene Flue/Vent Coupler, Single Wall to Flex.....	74.71	15.81
23 51 16 00-0540	EA	2" Polypropylene Flue/Vent Coupler, Flex to Single Wall.....	83.57	15.81
23 51 16 00-0541	EA	3" Polypropylene Flue/Vent Coupler, Flex to Single Wall.....	169.31	16.64
23 51 16 00-0542	EA	4" Polypropylene Flue/Vent Coupler, Flex to Single Wall.....	308.63	17.24
23 51 16 00-0543	EA	2" Polypropylene Flue/Vent Coupler, Flex to Flex.....	86.19	15.81
23 51 16 00-0544	EA	3" Polypropylene Flue/Vent Coupler, Flex to Flex.....	201.70	16.64
23 51 16 00-0545	EA	4" Polypropylene Flue/Vent Coupler, Flex to Flex.....	521.04	17.24

**23 51 16 00-0546 Polypropylene Flue/Vent Flex End Terminations (23 51 16 00-0372)**

23 51 16 00-0547	EA	2" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination.....	97.95	15.81
23 51 16 00-0548	EA	3" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination.....	90.60	16.64
23 51 16 00-0549	EA	4" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination.....	111.87	17.24

**23 51 16 00-0550 Aluminum Flue/Vent Fittings (23 51 16)**

**23 51 16 00-0551 Aluminum Vent Top Caps (23 51 16 00-0550)**

23 51 16 00-0552	EA	3" Aluminum Vent Cap (Star-Kap® 3-SK).....	93.51	15.67
23 51 16 00-0553	EA	4" Aluminum Vent Cap (Star-Kap® 4-SK).....	99.45	15.36
23 51 16 00-0554	EA	5" Aluminum Vent Cap (Star-Kap® 5-SK).....	107.84	16.09
23 51 16 00-0555	EA	6" Aluminum Vent Cap (Star-Kap® 6-SK).....	150.40	16.83
23 51 16 00-0556	EA	8" Aluminum Vent Cap (Star-Kap® 8-SK).....	168.23	18.72
23 51 16 00-0557	EA	10" Aluminum Vent Cap (Star-Kap® 10-SK).....	480.10	19.77
23 51 16 00-0558	EA	12" Aluminum Vent Cap (Star-Kap® 12-SK).....	492.04	21.03

**23 52 Heating Boilers (23 50)**

**23 52 13 Electric Boilers (23 52)**

**23 52 13 00-0001 Packaged Electric Steam Boiler (23 52 13)**

Note: Includes burners, standard controls and safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.) Rated by KW and MBH gross rated output.

23 52 13 00-0002	EA	12 KW, 42 MBH Electric Steam Boiler With Packaged Standard Controls .....	7,831.89	606.07
23 52 13 00-0003	EA	24 KW, 84 MBH Electric Steam Boiler With Packaged Standard Controls .....	8,455.80	707.09
23 52 13 00-0004	EA	36 KW, 126 MBH Electric Steam Boiler With Packaged Standard Controls .....	9,072.19	757.60
23 52 13 00-0005	EA	48 KW, 168 MBH Electric Steam Boiler With Packaged Standard Controls .....	10,097.26	808.10
23 52 13 00-0006	EA	60 KW, 210 MBH Electric Steam Boiler With Packaged Standard Controls .....	11,097.73	858.61
23 52 13 00-0007	EA	80 KW, 280 MBH Electric Steam Boiler With Packaged Standard Controls .....	12,952.02	959.62
23 52 13 00-0008	EA	100 KW, 350 MBH Electric Steam Boiler With Packaged Standard Controls .....	14,806.41	1,060.64
23 52 13 00-0009	EA	120 KW, 420 MBH Electric Steam Boiler With Packaged Standard Controls .....	15,410.42	1,111.15
23 52 13 00-0010	EA	140 KW, 490 MBH Electric Steam Boiler With Packaged Standard Controls .....	16,233.51	1,161.65
23 52 13 00-0011	EA	160 KW, 560 MBH Electric Steam Boiler With Packaged Standard Controls .....	21,211.23	1,262.66
23 52 13 00-0012	EA	180 KW, 630 MBH Electric Steam Boiler With Packaged Standard Controls .....	22,104.75	1,313.16
23 52 13 00-0013	EA	200 KW, 700 MBH Electric Steam Boiler With Packaged Standard Controls .....	23,215.85	1,433.61
23 52 13 00-0014	EA	220 KW, 770 MBH Electric Steam Boiler With Packaged Standard Controls .....	24,182.06	1,539.80
23 52 13 00-0015	EA	240 KW, 840 MBH Electric Steam Boiler With Packaged Standard Controls .....	26,088.54	1,646.00
23 52 13 00-0016	EA	260 KW, 910 MBH Electric Steam Boiler With Packaged Standard Controls .....	28,097.77	1,805.29
23 52 13 00-0017	EA	280 KW, 980 MBH Electric Steam Boiler With Packaged Standard Controls .....	29,878.73	1,858.38
23 52 13 00-0018	EA	300 KW, 1,050 MBH Electric Steam Boiler With Packaged Standard Controls .....	31,328.27	1,911.48
23 52 13 00-0019	EA	320 KW, 1,120 MBH Electric Steam Boiler With Packaged Standard Controls .....	33,294.65	1,964.58
23 52 13 00-0020	EA	360 KW, 1,260 MBH Electric Steam Boiler With Packaged Standard Controls .....	35,261.55	2,017.67
23 52 13 00-0021	EA	400 KW, 1,400 MBH Electric Steam Boiler With Packaged Standard Controls .....	37,729.73	2,123.87
23 52 13 00-0022	EA	460 KW, 1,610 MBH Electric Steam Boiler With Packaged Standard Controls .....	40,272.25	2,230.06
23 52 13 00-0023	EA	500 KW, 1,750 MBH Electric Steam Boiler With Packaged Standard Controls .....	42,761.66	2,283.16
23 52 13 00-0024	EA	600 KW, 2,100 MBH Electric Steam Boiler With Packaged Standard Controls .....	47,387.41	2,336.25
23 52 13 00-0025	EA	700 KW, 2,450 MBH Electric Steam Boiler With Packaged Standard Controls .....	51,036.58	2,442.45
23 52 13 00-0026	EA	756 KW, 2,646 MBH Electric Steam Boiler With Packaged Standard Controls .....	52,270.68	2,548.65
23 52 13 00-0027	EA	828 KW, 2,898 MBH Electric Steam Boiler With Packaged Standard Controls .....	57,467.24	2,707.93

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 52 13 00-0028	EA		936 KW, 3,276 MBH Electric Steam Boiler With Packaged Standard Controls.....	59,337.17	2,867.22
23 52 13 00-0029	EA		1,008 KW, 3,528 MBH Electric Steam Boiler With Packaged Standard Controls.....	61,313.29	3,026.52
23 52 13 00-0030	EA		1,116 KW, 3,906 MBH Electric Steam Boiler With Packaged Standard Controls.....	65,117.79	3,185.80
23 52 13 00-0031	EA		1,224 KW, 4,284 MBH Electric Steam Boiler With Packaged Standard Controls.....	66,808.98	3,291.99
23 52 13 00-0032	EA		1,368 KW, 4,788 MBH Electric Steam Boiler With Packaged Standard Controls.....	69,028.49	3,504.39
23 52 13 00-0033	EA		1,440 KW, 5,040 MBH Electric Steam Boiler With Packaged Standard Controls.....	71,390.48	3,716.77
23 52 13 00-0034	EA		1,512 KW, 5,292 MBH Electric Steam Boiler With Packaged Standard Controls.....	77,979.10	3,929.16
23 52 13 00-0035	EA		1,620 KW, 5,670 MBH Electric Steam Boiler With Packaged Standard Controls.....	82,208.38	4,141.54

**23 52 13 00-0036**

**Packaged Electric Hot Water Boiler** (23 52 13)

Note: Flush jacketed steel shell. Includes burners, and safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.). Rated by KW and MBH gross rated output.

23 52 13 00-0037	EA		9 KW, 31 MBH, Electric Hot Boiler With Packaged Standard Controls.....	6,877.88	555.57
23 52 13 00-0038	EA		12 KW, 41 MBH, Electric Hot Boiler With Packaged Standard Controls.....	7,242.46	606.07
23 52 13 00-0039	EA		18 KW, 61 MBH, Electric Hot Boiler With Packaged Standard Controls.....	7,607.04	656.58
23 52 13 00-0040	EA		24 KW, 82 MBH, Electric Hot Boiler With Packaged Standard Controls.....	7,962.16	707.09
23 52 13 00-0041	EA		36 KW, 123 MBH, Electric Hot Boiler With Packaged Standard Controls.....	8,373.07	757.60
23 52 13 00-0042	EA		48 KW, 164 MBH, Electric Hot Boiler With Packaged Standard Controls.....	8,673.84	808.10
23 52 13 00-0043	EA		60 KW, 205 MBH Electric Hot Boiler With Packaged Standard Controls.....	9,038.42	858.61
23 52 13 00-0044	EA		72 KW, 246 MBH Electric Hot Boiler With Packaged Standard Controls.....	9,585.30	909.12
23 52 13 00-0045	EA		84 KW, 287 MBH Electric Hot Boiler With Packaged Standard Controls.....	10,069.71	959.62
23 52 13 00-0046	EA		90 KW, 307 MBH Electric Hot Boiler With Packaged Standard Controls.....	10,361.38	1,010.13
23 52 13 00-0047	EA		105 KW, 358 MBH Electric Hot Boiler With Packaged Standard Controls.....	11,128.66	1,060.64
23 52 13 00-0048	EA		120 KW, 409 MBH Electric Hot Boiler With Packaged Standard Controls.....	11,853.78	1,111.15
23 52 13 00-0049	EA		135 KW, 461 MBH Electric Hot Boiler With Packaged Standard Controls.....	13,167.21	1,161.65
23 52 13 00-0050	EA		150 KW, 512 MBH Electric Hot Boiler With Packaged Standard Controls.....	14,029.08	1,212.16
23 52 13 00-0051	EA		165 KW, 563 MBH Electric Hot Boiler With Packaged Standard Controls.....	14,750.05	1,262.66
23 52 13 00-0052	EA		180 KW, 614 MBH Electric Hot Boiler With Packaged Standard Controls.....	16,003.67	1,313.16
23 52 13 00-0053	EA		195 KW, 665 MBH Electric Hot Boiler With Packaged Standard Controls.....	17,478.81	1,433.61
23 52 13 00-0054	EA		225 KW, 768 MBH Electric Hot Boiler With Packaged Standard Controls.....	18,788.12	1,539.80
23 52 13 00-0055	EA		240 KW, 819 MBH Electric Hot Boiler With Packaged Standard Controls.....	20,212.73	1,646.00
23 52 13 00-0056	EA		270 KW, 921 MBH Electric Hot Boiler With Packaged Standard Controls.....	21,628.24	1,805.29
23 52 13 00-0057	EA		300 KW, 1,024 MBH Electric Hot Boiler With Packaged Standard Controls.....	23,052.84	1,911.48
23 52 13 00-0058	EA		330 KW, 1,126 MBH Electric Hot Boiler With Packaged Standard Controls.....	24,381.55	2,017.67
23 52 13 00-0059	EA		360 KW, 1,228 MBH Electric Hot Boiler With Packaged Standard Controls.....	26,241.22	2,070.78
23 52 13 00-0060	EA		390 KW, 1,331 MBH Electric Hot Boiler With Packaged Standard Controls.....	27,963.43	2,123.87
23 52 13 00-0061	EA		420 KW, 1,433 MBH Electric Hot Boiler With Packaged Standard Controls.....	29,612.72	2,230.06
23 52 13 00-0062	EA		450 KW, 1,535 MBH Electric Hot Boiler With Packaged Standard Controls.....	31,344.07	2,230.06
23 52 13 00-0063	EA		504 KW, 1,720 MBH Electric Hot Boiler With Packaged Standard Controls.....	34,337.47	2,283.16
23 52 13 00-0064	EA		612 KW, 2,088 MBH Electric Hot Boiler With Packaged Standard Controls.....	35,929.90	2,336.25
23 52 13 00-0065	EA		684 KW, 2,334 MBH Electric Hot Boiler With Packaged Standard Controls.....	37,935.31	2,442.45
23 52 13 00-0066	EA		720 KW, 2,457 MBH Electric Hot Boiler With Packaged Standard Controls.....	39,454.25	2,495.54
23 52 13 00-0067	EA		750 KW, 2,559 MBH Electric Hot Boiler With Packaged Standard Controls.....	40,978.60	2,548.65
23 52 13 00-0068	EA		810 KW, 2,764 MBH Electric Hot Boiler With Packaged Standard Controls.....	42,119.43	2,707.93
23 52 13 00-0069	EA		900 KW, 3,071 MBH Electric Hot Boiler With Packaged Standard Controls.....	44,183.93	2,867.22
23 52 13 00-0070	EA		1,020 KW, 3,480 MBH Electric Hot Boiler With Packaged Standard Controls.....	51,420.54	3,026.52
23 52 13 00-0071	EA		1,110 KW, 3,787 MBH Electric Hot Boiler With Packaged Standard Controls.....	56,416.94	3,185.80
23 52 13 00-0072	EA		1,200 KW, 4,094 MBH Electric Hot Boiler With Packaged Standard Controls.....	58,607.61	3,291.99
23 52 13 00-0073	EA		1,350 KW, 4,606 MBH Electric Hot Boiler With Packaged Standard Controls.....	61,045.53	3,504.39
23 52 13 00-0074	EA		1,440 KW, 4,913 MBH Electric Hot Boiler With Packaged Standard Controls.....	63,483.44	3,716.77
23 52 13 00-0075	EA		1,560 KW, 5,323 MBH Electric Hot Boiler With Packaged Standard Controls.....	70,364.46	3,929.16
23 52 13 00-0076	EA		1,680 KW, 5,732 MBH Electric Hot Boiler With Packaged Standard Controls.....	74,799.62	4,141.54
23 52 13 00-0077	EA		1,740 KW, 5,937 MBH Electric Hot Boiler With Packaged Standard Controls.....	76,690.67	4,247.73
23 52 13 00-0078	EA		1,800 KW, 6,142 MBH Electric Hot Boiler With Packaged Standard Controls.....	78,581.70	4,353.93
23 52 13 00-0079	EA		1,980 KW, 6,756 MBH Electric Hot Boiler With Packaged Standard Controls.....	79,006.48	4,513.22
23 52 13 00-0080	EA		2,100 KW, 7,165 MBH Electric Hot Boiler With Packaged Standard Controls.....	84,823.85	4,619.41
23 52 13 00-0081	EA		2,220 KW, 7,575 MBH Electric Hot Boiler With Packaged Standard Controls.....	88,712.14	4,778.70
23 52 13 00-0082	EA		2,600 KW, 8,871 MBH Electric Hot Boiler With Packaged Standard Controls.....	95,242.78	5,097.28
23 52 13 00-0083	EA		2,960 KW, 10,100 MBH Electric Hot Boiler With Packaged Standard Controls.....	102,638.00	5,628.25
23 52 13 00-0084	EA		3,240 KW, 11,055 MBH Electric Hot Boiler With Packaged Standard Controls.....	111,141.17	6,265.42
23 52 13 00-0085	EA		3,360 KW, 11,464 MBH Electric Hot Boiler With Packaged Standard Controls.....	117,671.80	6,902.57

**23 52 16 Condensing Boilers** (23 52)

**23 52 16 13 Stainless-Steel Condensing Boilers** (23 52 16)

**23 52 16 13-0001**

**Hamilton Evo Series Stainless Steel Condensing Boilers** (23 52 16 13)

Note: Includes circulating pump, mounting rack, disconnect panel, plumbing and gas manifold, manual reset high limit and LWCO (Cal Code). Rated by gross rated output.

23 52 16 13-0002	EA		75 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW79).....	13,759.82	404.06
23 52 16 13-0003	EA		127 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW129).....	14,475.19	538.20
23 52 16 13-0004	EA		168 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW179).....	15,416.15	605.97
23 52 16 13-0005	EA		187 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW199.1).....	16,343.78	639.71
23 52 16 13-0006	EA		281 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW299).....	21,640.47	740.73
23 52 16 13-0007	EA		374 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW399).....	25,080.95	808.00
23 52 16 13-0008	EA		589 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW599).....	33,980.13	942.65
23 52 16 13-0009	EA		785 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW798).....	47,389.87	1,077.41
23 52 16 13-0010	EA		980 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW998).....	58,045.22	1,178.41
23 52 16 13-0011	EA		1,425 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW1499).....	84,015.00	1,380.34
23 52 16 13-0012	EA		1,900 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW1999).....	92,610.98	1,481.35

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 13-0013			<b>Buderus SB615 Stainless Steel Condensing Boilers</b> (23 52 16 13) Note: Includes Riello burners. Rated by gross rated output.		
23 52 16 13-0014	EA		484 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/145).....	40,919.78	875.38
23 52 16 13-0015	EA		612 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/185).....	42,973.63	942.65
23 52 16 13-0016	EA		791 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/240).....	47,642.46	1,077.41
23 52 16 13-0017	EA		1,022 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/310).....	51,750.16	1,212.05
23 52 16 13-0018	EA		1,317 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/400).....	57,814.42	1,313.06
23 52 16 13-0019	EA		1,459 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/510).....	66,083.55	1,380.34
23 52 16 13-0020	EA		2,104 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/640).....	78,571.16	1,481.35
23 52 16 13-0021			<b>Buderus SB735 Stainless Steel Condensing Boilers</b> (23 52 16 13) Note: Includes Riello burners. Rated by gross rated output.		
23 52 16 13-0022	EA		2,650 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/790).....	86,435.09	1,616.01
23 52 16 13-0023	EA		3,251 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/970).....	100,234.86	1,683.38
23 52 16 13-0024	EA		4,079 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/1200).....	116,284.08	1,750.76
23 52 16 13-0025			<b>Lochinvar Knight Stainless Steel Condensing Boilers</b> (23 52 16 13) Note: Rated by gross rated output.		
23 52 16 13-0026	EA		165 MBH 95.7% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight KBN211) .....	11,399.29	605.97
23 52 16 13-0027	EA		226 MBH 96% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight KBN286) .....	14,969.53	673.35
23 52 16 13-0028			<b>Lochinvar Knight XL Stainless Steel Condensing Boilers</b> (23 52 16 13) Note: Rated by gross rated output.		
23 52 16 13-0029	EA		324 MBH 93.3% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN400) .....	20,026.73	774.36
23 52 16 13-0030	EA		406 MBH 93.3% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN501) .....	24,708.86	808.00
23 52 16 13-0031	EA		493 MBH 94.6% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN601) .....	29,076.06	875.38
23 52 16 13-0032	EA		574 MBH 94.3% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN701) .....	33,524.03	909.02
23 52 16 13-0033	EA		654 MBH 94% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN801) .....	38,499.13	976.39
23 52 16 13-0034			<b>Lochinvar SYNC Stainless Steel Condensing Boilers</b> (23 52 16 13) Note: Rated by gross rated output.		
23 52 16 13-0035	EA		941 MBH 94.1% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar SYNC SBN1000) .....	52,844.17	1,178.41
23 52 16 13-0036	EA		1,240 MBH 95.4% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar SYNC SBN1300) .....	60,222.48	1,279.33
23 52 16 13-0037	EA		1,443 MBH 96.2% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar SYNC SBN1500) .....	64,673.24	1,380.34
23 52 16 13-0038			<b>Lochinvar Crest Stainless Steel Condensing Boilers</b> (23 52 16 13) Note: Rated by gross rated output.		
23 52 16 13-0039	EA		1,380 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN1500) .....	64,293.78	1,313.06
23 52 16 13-0040	EA		1,840 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN2000) .....	77,160.57	1,481.35
23 52 16 13-0041	EA		2,300 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN2500) .....	100,631.71	1,548.73
23 52 16 13-0042	EA		2,760 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN3000) .....	111,013.98	1,616.01
23 52 16 13-0043	EA		3,220 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN3500) .....	132,303.65	1,683.38
23 52 16 13-0044			<b>Laars Neotherm Stainless Steel Condensing Boiler</b> (23 52 16 13) Note: Compliant with SCAQMD. Rated by gross rated input.		
23 52 16 13-0045	EA		80 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH080) .....	7,062.27	437.68
23 52 16 13-0046	EA		105 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH105) .....	8,063.17	505.06
23 52 16 13-0047	EA		150 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH150) .....	9,044.81	605.97
23 52 16 13-0048	EA		210 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH210) .....	10,072.70	673.35
23 52 16 13-0049	EA		285 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH285) .....	12,644.43	740.73
23 52 16 13-0050	EA		399 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH399) .....	16,477.91	808.00
23 52 16 13-0051	EA		500 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH500) .....	19,771.73	875.38
23 52 16 13-0052	EA		600 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH600) .....	21,941.27	942.65
23 52 16 13-0053	EA		750 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH750) .....	23,829.71	1,010.03
23 52 16 13-0054	EA		850 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH850) .....	25,920.20	1,144.67
23 52 16 13-0055	EA		1,000 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH1000) .....	36,777.63	1,212.05
23 52 16 13-0056	EA		1,700 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH1700) .....	48,841.43	1,414.08
23 52 16 13-0057	EA		150 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV150) .....	16,287.00	605.97
23 52 16 13-0058	EA		199 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV199) .....	18,875.77	808.10
23 52 16 13-0059	EA		285 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV285) .....	24,704.52	909.12
23 52 16 13-0060	EA		399 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV399) .....	31,022.32	1,111.15
23 52 16 13-0061	EA		500 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV500) .....	36,650.45	1,212.16
23 52 16 13-0062	EA		600 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV600) .....	41,443.79	1,313.16
23 52 16 13-0063	EA		750 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV750) .....	49,746.31	1,414.18
23 52 16 13-0064	EA		850 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV850) .....	55,130.94	1,515.19
23 52 16 13-0065	EA		1,000 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV1000) .....	72,497.43	1,616.21
23 52 16 13-0066	EA		1,700 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV1700) .....	97,454.22	2,121.27

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>23 52 16 13-0067</b>			<b>AERCO Benchmark Stainless-Steel Condensing Boilers</b> <small>(23 52 16 13)</small> Note: Rated by gross rated output.		
23 52 16 13-0068	EA		1,500 MBH Water, 120 Volt, 1 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK1.5LN) ..... 53,519.31	1,380.34	
23 52 16 13-0069	EA		2,000 MBH Water, 120 Volt, 1 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK2.0LN) ..... 63,614.72	1,481.35	
23 52 16 13-0070	EA		3,000 MBH Water, 220 Volt, 1 Phase, 230 Volt, 3 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK3000)..... 91,787.59	1,649.74	
23 52 16 13-0071	EA		3,000 MBH Water, 480 Volt, 3 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK3000)..... 97,869.44	1,649.74	

**23 52 16 16 Aluminum Condensing Boilers** (23 52 16)

<b>23 52 16 16-0001</b>			<b>Weil McLain Aluminum Condensing Boilers</b> <small>(23 52 16 16)</small> Note: Rated by gross rated output.		
23 52 16 16-0002	EA		80 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80) ..... 7,459.65	437.68	
23 52 16 16-0003	EA		105 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80) ..... 8,221.30	505.06	
23 52 16 16-0004	EA		155 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80) ..... 9,270.50	605.97	
23 52 16 16-0005	EA		230 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80) ..... 10,405.23	673.35	
23 52 16 16-0006	EA		310 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80) ..... 13,506.36	774.36	

**23 52 16 16-0007 Patterson Kelly Mach Series Aluminum Condensing Boilers** (23 52 16 16)

23 52 16 16-0008	EA		300 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C300)..... 21,698.44	740.73	
23 52 16 16-0009	EA		450 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C450)..... 24,429.35	841.74	
23 52 16 16-0010	EA		750 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C750)..... 27,598.39	1,010.03	
23 52 16 16-0011	EA		900 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C900)..... 41,152.99	1,144.67	
23 52 16 16-0012	EA		1,050 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C1050)..... 42,977.32	1,212.05	
23 52 16 16-0013	EA		1,500 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C1500)..... 67,055.20	1,380.34	
23 52 16 16-0014	EA		2,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C2000)..... 72,622.20	1,481.35	
23 52 16 16-0015	EA		2,500 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C2500)..... 84,143.80	1,616.01	
23 52 16 16-0016	EA		3,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C3000)..... 104,443.51	1,649.74	
23 52 16 16-0017	EA		4,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C4000)..... 127,693.96	1,750.76	

**23 52 16 16-0018 Buderus GB142 Wall Hung Aluminum Condensing Boilers** (23 52 16 16)

23 52 16 16-0019	EA		75 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/24) ..... 8,952.78	404.06	
23 52 16 16-0020	EA		95 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/30) ..... 10,393.46	471.32	
23 52 16 16-0021	EA		143 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/45) ..... 11,931.05	572.34	
23 52 16 16-0022	EA		193 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/60) ..... 13,036.35	639.71	
23 52 16 16-0023	EA		Optional Vertical Or Horizontal 3" Concentric Termination Kit For GB142 (Buderus 60L46)..... 372.81	101.01	
23 52 16 16-0024	EA		Optional Stainless Steel Concentric Hood For GB142 (Buderus SJT3)..... 514.78	101.01	
23 52 16 16-0025	EA		Optional GB Floor Stand For GB142 (Buderus 7098265)..... 1,197.90	101.01	

**23 52 16 16-0026 Buderus GB162 Wall Hung Aluminum Condensing Boilers** (23 52 16 16)

23 52 16 16-0027	EA		290 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB162/80) ..... 12,208.08	740.73	
23 52 16 16-0028	EA		333 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB162/100) ..... 15,178.57	774.36	
23 52 16 16-0029	EA		580 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Two Boilers) (Buderus GB162/80-TL2) ..... 29,805.14	909.02	
23 52 16 16-0030	EA		580 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Two Boilers) (Buderus GB162/80-TR2)..... 27,803.26	909.02	
23 52 16 16-0031	EA		666 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Two Boilers) (Buderus GB162/100-TL2) ..... 35,746.13	976.39	
23 52 16 16-0032	EA		666 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Two Boilers) (Buderus GB162/100-TR2)..... 33,744.24	976.39	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 16-0033	EA		870 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Three Boilers) (Buderus GB162/80-TL3) ..... Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	41,551.30	1,144.67
23 52 16 16-0034	EA		999 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Three Boilers) (Buderus GB162/100-TL3) ..... Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	50,361.78	1,212.05
23 52 16 16-0035	EA		1,160 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Four Boilers) (Buderus GB162/80-TL4) ..... Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	51,736.92	1,279.33
23 52 16 16-0036	EA		1,160 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Four Boilers) (Buderus GB162/80-TR4) ..... Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	52,538.68	1,279.33
23 52 16 16-0037	EA		1,332 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Four Boilers) (Buderus GB162/100-TL4) ..... Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	63,315.86	1,313.06
23 52 16 16-0038	EA		1,332 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Four Boilers) (Buderus GB162/100-TR4) ..... Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	64,117.63	1,313.06
23 52 16 16-0039	EA		EMS Control Module For Condensing Boiler (Buderus RC35) .....	833.57	101.01
<b>23 52 16 16-0040</b>			<b>Buderus GB312 Aluminum Condensing Boilers</b> <small>(23 52 16 16)</small> Note: Includes standard controls. Rated by gross rated output.		
23 52 16 16-0041	EA		305 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/90)..... Note: Includes an aluminum heat exchanger.	24,402.99	740.73
23 52 16 16-0042	EA		409 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/120)..... Note: Includes an aluminum heat exchanger.	26,847.78	808.00
23 52 16 16-0043	EA		544 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/160)..... Note: Includes an aluminum heat exchanger.	31,935.63	892.15
23 52 16 16-0044	EA		676 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/200)..... Note: Includes an aluminum heat exchanger.	36,797.14	976.39
23 52 16 16-0045	EA		810 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/240)..... Note: Includes an aluminum heat exchanger.	44,178.25	1,077.41
23 52 16 16-0046	EA		944 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/280)..... Note: Includes an aluminum heat exchanger.	48,802.21	1,178.41
23 52 16 16-0047	EA		Optional CSD-1 Kit Consisting Of High And Low Gas Pressure Switches For GB312 (Buderus 7747019985).....	718.28	50.51
23 52 16 16-0048	EA		Optional L4006E1125 Manual Reset Aquastat For GB312 (Buderus L4006E1125).....	327.34	50.51
23 52 16 16-0049	EA		Optional Hydrolevel 550 low Water Cut-Off For GB312 (Buderus 550).....	485.78	50.51
23 52 16 16-0050	EA		Optional Condensate Neutralization Tank For GB312 (Buderus 63035899) .....	1,074.25	50.51
<b>23 52 16 19</b>			<b>Copper Water-Tube Condensing Boilers</b> <small>(23 52 16)</small>		
<b>23 52 16 19-0001</b>			<b>Laars Rheos+ Copper Fin Tube Condensing Boilers</b> <small>(23 52 16 19)</small> Note: Rated by gross rated output.		
23 52 16 19-0002	EA		1,200 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	50,334.43	1,279.33
23 52 16 19-0003	EA		1,600 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	56,773.45	1,414.08
23 52 16 19-0004	EA		2,000 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	62,173.11	1,481.35
23 52 16 19-0005	EA		2,400 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	67,129.03	1,548.73
<b>23 52 16 23</b>			<b>Cast Iron Condensing Boilers</b> <small>(23 52 16)</small>		
<b>23 52 16 23-0001</b>			<b>Hydrotherm KN Cast Iron Condensing Boilers</b> <small>(23 52 16 23)</small> Note: Rated by gross rated output.		
23 52 16 23-0002	EA		199 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-2).....	16,838.65	639.71
23 52 16 23-0003	EA		399 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-4).....	24,715.64	808.00
23 52 16 23-0004	EA		600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-6).....	40,836.62	942.65
23 52 16 23-0005	EA		1,000 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-10).....	53,616.02	1,212.05
23 52 16 23-0006	EA		1,600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-16).....	71,580.05	1,414.08
23 52 16 23-0007	EA		1,999 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-20).....	78,112.81	1,481.35
23 52 16 23-0008	EA		2,600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-26).....	99,557.39	1,616.01
23 52 16 23-0009	EA		3,000 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-30).....	108,880.98	1,649.74
<b>23 52 23</b>			<b>Cast-Iron Boilers</b> <small>(23 52)</small>		
<b>23 52 23 00-0001</b>			<b>Weil-McLain Model 80 Cast Iron Boiler</b> <small>(23 52 23)</small> Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
<b>23 52 23 00-0002</b>			<b>Gas Fired Weil-McLain Model 80 Cast Iron Boiler</b> <small>(23 52 23 00-0001)</small> Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0003	EA		209 MBH Steam, 242 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 380)..... Note: Includes field assembly of individual sections and testing.	15,676.28	3,284.85
23 52 23 00-0004	EA		297 MBH Steam, 344 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 480)..... Note: Includes field assembly of individual sections and testing.	17,053.29	3,503.84

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0005	EA		386 MBH Steam, 448 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 580)..... Note: Includes field assembly of individual sections and testing.	18,553.26	3,722.83
23 52 23 00-0006	EA		476 MBH Steam, 551 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 680)..... Note: Includes field assembly of individual sections and testing.	19,953.54	3,941.82
23 52 23 00-0007	EA		565 MBH Steam, 655 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 780)..... Note: Includes field assembly of individual sections and testing.	21,252.54	4,160.80
23 52 23 00-0008	EA		654 MBH Steam, 758 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 880)..... Note: Includes field assembly of individual sections and testing.	23,002.51	4,379.79
23 52 23 00-0009	EA		743 MBH Steam, 862 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 980)..... Note: Includes field assembly of individual sections and testing.	24,372.35	4,598.78
23 52 23 00-0010	EA		833 MBH Steam, 965 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1080)..... Note: Includes field assembly of individual sections and testing.	25,475.80	4,817.77
23 52 23 00-0011	EA		922 MBH Steam, 1,069 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1180)..... Note: Includes field assembly of individual sections and testing.	26,575.40	5,036.77
23 52 23 00-0012	EA		1,018 MBH Steam, 1,172 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1280)..... Note: Includes field assembly of individual sections and testing.	27,833.26	5,255.76
<b>23 52 23 00-0013</b>			<b>Gas Fired Package Weil-McLain Model 80 Cast Iron Boiler (23 52 23 00-0001)</b>		
23 52 23 00-0014	EA		209 MBH Steam, 242 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 380)..... Note: Fire tested factory assembled package unit.	10,127.34	424.77
23 52 23 00-0015	EA		297 MBH Steam, 344 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 480)..... Note: Fire tested factory assembled package unit.	11,236.20	424.77
23 52 23 00-0016	EA		386 MBH Steam, 448 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 580)..... Note: Fire tested factory assembled package unit.	12,894.82	530.97
23 52 23 00-0017	EA		476 MBH Steam, 551 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 680)..... Note: Fire tested factory assembled package unit.	14,025.47	530.97
23 52 23 00-0018	EA		565 MBH Steam, 655 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 780)..... Note: Fire tested factory assembled package unit.	15,483.43	637.16
23 52 23 00-0019	EA		654 MBH Steam, 758 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 880)..... Note: Fire tested factory assembled package unit.	16,978.72	637.16
23 52 23 00-0020	EA		743 MBH Steam, 862 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 980)..... Note: Fire tested factory assembled package unit.	18,505.47	743.36
23 52 23 00-0021	EA		833 MBH Steam, 965 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1080)..... Note: Fire tested factory assembled package unit.	19,766.19	849.55
23 52 23 00-0022	EA		922 MBH Steam, 1,069 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1180)..... Note: Fire tested factory assembled package unit.	20,599.84	849.55
23 52 23 00-0023	EA		1018 MBH Steam, 1172 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1280)..... Note: Fire tested factory assembled package unit.	22,013.06	955.74
<b>23 52 23 00-0024</b>			<b>Gas/Oil Fired Weil-McLain Model 80 Cast Iron Boiler (23 52 23 00-0001)</b> Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0025	EA		209 MBH Steam, 242 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 380) ..... Note: Includes field assembly of individual sections and testing.	16,324.16	3,284.85
23 52 23 00-0026	EA		297 MBH Steam, 344 MBH Water Gas/Oil Fired Cast Iron Boiler ..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	17,817.00	3,503.84
23 52 23 00-0027	EA		386 MBH Steam, 448 MBH Water Gas/Oil Fired Cast Iron Boiler ..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	19,247.01	3,722.83
23 52 23 00-0028	EA		476 MBH Steam, 551 MBH Water Gas/Oil Fired Cast Iron Boiler ..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	20,835.35	3,941.82
23 52 23 00-0029	EA		565 MBH Steam, 655 MBH Water Gas/Oil Fired Cast Iron Boiler ..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	22,158.43	4,160.80
23 52 23 00-0030	EA		654 MBH Steam, 758 MBH Water Gas/Oil Fired Cast Iron Boiler ..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	24,055.18	4,379.79
23 52 23 00-0031	EA		743 MBH Steam, 862 MBH Water Gas/Oil Fired Cast Iron Boiler ..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	25,275.95	4,598.78
23 52 23 00-0032	EA		833 MBH Steam, 965 MBH Water Gas/Oil Fired Cast Iron Boiler ..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	26,465.40	4,817.77
23 52 23 00-0033	EA		922 MBH Steam, 1069 MBH Water Gas/Oil Fired Cast Iron Boiler ..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	27,566.15	5,036.77
23 52 23 00-0034	EA		1,018 MBH Steam, 1172 MBH Water Gas/Oil Fired Cast Iron Boiler ..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	28,854.96	5,255.76
<b>23 52 23 00-0035</b>			<b>Gas/Oil Fired Package Weil-McLain Model 80 Cast Iron Boiler (23 52 23 00-0001)</b>		
23 52 23 00-0036	EA		209 MBH Steam, 242 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 380)..... Note: Fire tested factory assembled package cast iron unit.	10,775.23	424.77
23 52 23 00-0037	EA		297 MBH Steam, 344 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 480)..... Note: Fire tested factory assembled package cast iron unit.	11,999.91	424.77
23 52 23 00-0038	EA		386 MBH Steam, 448 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 580)..... Note: Fire tested factory assembled package cast iron unit.	13,588.58	530.97
23 52 23 00-0039	EA		476 MBH Steam, 551 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 680)..... Note: Fire tested factory assembled package cast iron unit.	14,907.28	530.97
23 52 23 00-0040	EA		565 MBH Steam, 655 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 780)..... Note: Fire tested factory assembled package cast iron unit.	16,389.32	637.16
23 52 23 00-0041	EA		654 MBH Steam, 758 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 880)..... Note: Fire tested factory assembled package cast iron unit.	18,031.39	637.16
23 52 23 00-0042	EA		743 MBH Steam, 862 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 980)..... Note: Fire tested factory assembled package cast iron unit.	19,409.07	743.36
23 52 23 00-0043	EA		833 MBH Steam, 965 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1080)..... Note: Fire tested factory assembled package cast iron unit.	20,755.79	849.55
23 52 23 00-0044	EA		922 MBH Steam, 1,069 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1180)..... Note: Fire tested factory assembled package cast iron unit.	21,590.59	849.55
23 52 23 00-0045	EA		1,018 MBH Steam, 1,172 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1280)..... Note: Fire tested factory assembled package cast iron unit.	23,034.77	955.74

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 52 Heating Boilers**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 52 23 00-0046		<b>Weil-McLain Model 88 Cast Iron Boiler</b> <small>(23 52 23)</small> Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
23 52 23 00-0047		<b>Gas Fired Weil-McLain Model 88 Cast Iron Boiler</b> <small>(23 52 23 00-0046)</small> Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0048	EA	629 MBH Steam, 730 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 488).....	24,976.61	4,927.27
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0049	EA	845 MBH Steam, 979 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 588).....	27,446.83	5,228.38
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0050	EA	1072 MBH Steam, 1229 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 688).....	30,479.01	5,529.49
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0051	EA	1,311 MBH Steam, 1,478 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 788).....	33,163.26	5,830.60
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0052	EA	1,543 MBH Steam, 1,728 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 888).....	35,511.24	6,131.71
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0053	EA	1,766 MBH Steam, 1,977 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 988).....	38,865.84	6,432.82
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0054	EA	1,988 MBH Steam, 2,227 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1088).....	41,234.77	6,733.93
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0055	EA	2,211 MBH Steam, 2,477 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1188).....	43,342.93	7,035.04
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0056	EA	2,434 MBH Steam, 2,726 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1288).....	46,121.52	7,336.15
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0057	EA	2,657 MBH Steam, 2,976 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1388).....	48,377.33	7,637.27
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0058	EA	2,880 MBH Steam, 3,225 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1488).....	52,315.32	7,938.38
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0059	EA	3,102 MBH Steam, 3,475 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1588).....	54,466.93	8,239.49
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0060	EA	3,325 MBH Steam, 3,724 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1688).....	56,742.36	8,540.60
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0061	EA	3,548 MBH Steam, 3,974 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1788).....	59,265.83	8,841.71
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0062	EA	3,771 MBH Steam, 4,223 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1888).....	61,338.74	9,142.82
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0063		<b>Gas Fired Package Weil-McLain Model 88 Cast Iron Boiler</b> <small>(23 52 23 00-0046)</small>		
23 52 23 00-0064	EA	629 MBH Steam, 730 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 488).....	18,521.53	743.36
		Note: Fire tested factory assembled package unit.		
23 52 23 00-0065	EA	845 MBH Steam, 979 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 588).....	21,010.36	849.55
		Note: Fire tested factory assembled package unit.		
23 52 23 00-0066	EA	1,072 MBH Steam, 1,229 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 688).....	24,074.83	955.74
		Note: Fire tested factory assembled package unit.		
23 52 23 00-0067	EA	1,311 MBH Steam, 1,478 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 788).....	26,766.62	1,061.93
		Note: Fire tested factory assembled package unit.		
23 52 23 00-0068	EA	1,543 MBH Steam, 1,728 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 888).....	28,706.84	1,061.93
		Note: Fire tested factory assembled package unit.		
23 52 23 00-0069	EA	1,766 MBH Steam, 1,977 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 988).....	32,083.22	1,168.13
		Note: Fire tested factory assembled package unit.		
23 52 23 00-0070	EA	1,988 MBH Steam, 2,227 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1088).....	34,047.51	1,168.13
		Note: Fire tested factory assembled package unit.		
23 52 23 00-0071	EA	2,211 MBH Steam, 2,477 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1188).....	36,174.00	1,274.32
		Note: Fire tested factory assembled package unit.		
23 52 23 00-0072	EA	2,434 MBH Steam, 2,726 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1288).....	38,548.81	1,274.32
		Note: Fire tested factory assembled package unit.		
23 52 23 00-0073	EA	2,657 MBH Steam, 2,976 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1388).....	40,823.25	1,380.51
		Note: Fire tested factory assembled package unit.		
23 52 23 00-0074	EA	2,880 MBH Steam, 3,225 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1488).....	43,027.68	1,486.71
		Note: Fire tested factory assembled package unit.		
23 52 23 00-0075	EA	3,102 MBH Steam, 3,475 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1588).....	44,775.25	1,486.71
		Note: Fire tested factory assembled package unit.		
23 52 23 00-0076	EA	3,325 MBH Steam, 3,724 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1688).....	47,070.29	1,592.90
		Note: Fire tested factory assembled package unit.		
23 52 23 00-0077	EA	3,548 MBH Steam, 3,974 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1788).....	49,188.24	1,592.90
		Note: Fire tested factory assembled package unit.		
23 52 23 00-0078	EA	3,771 MBH Steam, 4,223 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1888).....	51,304.34	1,699.10
		Note: Fire tested factory assembled package unit.		
23 52 23 00-0079		<b>Gas/Oil Fired Weil-McLain Model 88 Cast Iron Boiler</b> <small>(23 52 23 00-0046)</small>		
		Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0080	EA	629 MBH Steam, 730 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 488).....	25,774.72	4,927.27
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0081	EA	845 MBH Steam, 979 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 588).....	28,240.35	5,228.38
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0082	EA	1,072 MBH Steam, 1,229 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 688).....	31,478.93	5,529.49
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0083	EA	1,311 MBH Steam, 1,478 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 788).....	34,264.10	5,830.60
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0084	EA	1,543 MBH Steam, 1,728 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 888).....	36,499.70	6,131.71
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0085	EA	1,766 MBH Steam, 1,977 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 988).....	39,792.37	6,432.82
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0086	EA	1,988 MBH Steam, 2,227 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1088).....	42,625.71	6,733.93
		Note: Includes field assembly of individual sections and testing.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0087	EA		2,211 MBH Steam, 2,477 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1188) ..... Note: Includes field assembly of individual sections and testing.	44,733.88	7,035.04
23 52 23 00-0088	EA		2,434 MBH Steam, 2,726 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1288) ..... Note: Includes field assembly of individual sections and testing.	47,484.95	7,336.15
23 52 23 00-0089	EA		2,657 MBH Steam, 2,976 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1388) ..... Note: Includes field assembly of individual sections and testing.	50,326.72	7,637.27
23 52 23 00-0090	EA		2,880 MBH Steam, 3,225 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1488) ..... Note: Includes field assembly of individual sections and testing.	54,363.33	7,938.38
23 52 23 00-0091	EA		3,102 MBH Steam, 3,475 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1588) ..... Note: Includes field assembly of individual sections and testing.	57,204.11	8,239.49
23 52 23 00-0092	EA		3,325 MBH Steam, 3,724 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1688) ..... Note: Includes field assembly of individual sections and testing.	58,789.22	8,540.60
23 52 23 00-0093	EA		3,548 MBH Steam, 3,974 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1788) ..... Note: Includes field assembly of individual sections and testing.	61,250.77	8,841.71
23 52 23 00-0094	EA		3,771 MBH Steam, 4,223 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1888) ..... Note: Includes field assembly of individual sections and testing.	63,345.46	9,142.82
<b>23 52 23 00-0095</b>			<b>Gas/Oil Fired Package Weil-McLain Model 88 Cast Iron Boiler</b> <small>(23 52 23 00-0046)</small>		
23 52 23 00-0096	EA		629 MBH Steam, 730 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 488)..... Note: Fire tested factory assembled package cast iron unit.	19,319.63	743.36
23 52 23 00-0097	EA		845 MBH Steam, 979 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 588)..... Note: Fire tested factory assembled package cast iron unit.	21,803.87	849.55
23 52 23 00-0098	EA		1,072 MBH Steam, 1,229 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 688)..... Note: Fire tested factory assembled package cast iron unit.	25,063.28	955.74
23 52 23 00-0099	EA		1,311 MBH Steam, 1,478 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 788)..... Note: Fire tested factory assembled package cast iron unit.	27,867.46	1,061.93
23 52 23 00-0100	EA		1,543 MBH Steam, 1,728 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 888)..... Note: Fire tested factory assembled package cast iron unit.	29,697.59	1,061.93
23 52 23 00-0101	EA		1,766 MBH Steam, 1,977 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 988)..... Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	33,009.75	1,168.13
23 52 23 00-0102	EA		1,988 MBH Steam, 2,227 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1088)..... Note: Fire tested factory assembled package cast iron unit.	35,438.46	1,168.13
23 52 23 00-0103	EA		2,211 MBH Steam, 2,477 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1188)..... Note: Fire tested factory assembled package cast iron unit.	37,564.94	1,274.32
23 52 23 00-0104	EA		2,434 MBH Steam, 2,726 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1288)..... Note: Fire tested factory assembled package cast iron unit.	39,912.24	1,274.32
23 52 23 00-0105	EA		2,657 MBH Steam, 2,976 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1388)..... Note: Fire tested factory assembled package cast iron unit.	42,778.37	1,380.51
23 52 23 00-0106	EA		2,880 MBH Steam, 3,225 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1488)..... Note: Fire tested factory assembled package cast iron unit.	45,075.68	1,486.71
23 52 23 00-0107	EA		3,102 MBH Steam, 3,475 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1588)..... Note: Fire tested factory assembled package cast iron unit.	46,365.72	1,486.71
23 52 23 00-0108	EA		3,325 MBH Steam, 3,724 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1688)..... Note: Fire tested factory assembled package cast iron unit.	49,117.15	1,592.90
23 52 23 00-0109	EA		3,548 MBH Steam, 3,974 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1788) ..... Note: Fire tested factory assembled package cast iron unit.	51,173.18	1,592.90
23 52 23 00-0110	EA		3,771 MBH Steam, 4,223 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1888)..... Note: Fire tested factory assembled package cast iron unit.	53,288.13	1,699.10
<b>23 52 23 00-0111</b>			<b>Weil-McLain Model 94 Cast Iron Boiler</b> <small>(23 52 23)</small> Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
<b>23 52 23 00-0112</b>			<b>Gas Fired Weil-McLain Model 94 Cast Iron Boiler</b> <small>(23 52 23 00-0111)</small> Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0113	EA		1,584 MBH Steam, 1,784 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-894)..... Note: Includes field assembly of individual sections and testing.	65,830.07	9,580.81
23 52 23 00-0114	EA		1,800 MBH Steam, 2,050 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-994)..... Note: Includes field assembly of individual sections and testing.	71,237.81	10,128.27
23 52 23 00-0115	EA		2,024 MBH Steam, 2,310 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1094)..... Note: Includes field assembly of individual sections and testing.	76,192.44	10,675.75
23 52 23 00-0116	EA		2,249 MBH Steam, 2,571 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1194)..... Note: Includes field assembly of individual sections and testing.	81,046.90	11,223.23
23 52 23 00-0117	EA		2,474 MBH Steam, 2,834 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1294)..... Note: Includes field assembly of individual sections and testing.	85,945.56	11,770.70
23 52 23 00-0118	EA		2,703 MBH Steam, 3,098 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1394)..... Note: Includes field assembly of individual sections and testing.	92,442.98	12,318.18
23 52 23 00-0119	EA		2,928 MBH Steam, 3,362 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1494)..... Note: Includes field assembly of individual sections and testing.	97,068.81	12,865.65
23 52 23 00-0120	EA		3,154 MBH Steam, 3,628 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1594)..... Note: Includes field assembly of individual sections and testing.	101,550.68	13,413.12
23 52 23 00-0121	EA		3,378 MBH Steam, 3,894 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1694)..... Note: Includes field assembly of individual sections and testing.	108,732.31	13,960.60
23 52 23 00-0122	EA		3,604 MBH Steam, 4,162 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1794)..... Note: Includes field assembly of individual sections and testing.	113,211.68	14,508.07
23 52 23 00-0123	EA		3,834 MBH Steam, 4,430 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1894)..... Note: Includes field assembly of individual sections and testing.	117,079.26	15,055.54
23 52 23 00-0124	EA		4,059 MBH Steam, 4,700 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1994)..... Note: Includes field assembly of individual sections and testing.	124,016.84	15,603.02
23 52 23 00-0125	EA		4,285 MBH Steam, 4,970 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2094)..... Note: Includes field assembly of individual sections and testing.	128,531.71	16,150.49
23 52 23 00-0126	EA		4,510 MBH Steam, 5,241 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2194)..... Note: Includes field assembly of individual sections and testing.	135,625.51	16,697.97
23 52 23 00-0127	EA		4,781 MBH Steam, 5,568 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2294)..... Note: Includes field assembly of individual sections and testing.	140,368.72	17,245.45
23 52 23 00-0128	EA		4,961 MBH Steam, 5,787 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2394)..... Note: Includes field assembly of individual sections and testing.	145,542.41	17,792.91

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 52 23 00-0129	EA	5,232 MBH Steam, 6,117 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2494) ..... Note: Includes field assembly of individual sections and testing.	150,011.10		18,340.39
23 52 23 00-0130	EA	5,413 MBH Steam, 6,338 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2594) ..... Note: Includes field assembly of individual sections and testing.	154,602.99		18,887.87
<b>23 52 23 00-0131</b>		<b>Gas Fired Package Weil-McLain Model 94 Cast Iron Boiler</b> <small>(23 52 23 00-0111)</small>			
23 52 23 00-0132	EA	1,584 MBH Steam, 1,784 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-894) ..... Note: Fire tested factory assembled package cast iron unit.	56,338.10		1,380.51
23 52 23 00-0133	EA	1,800 MBH Steam, 2,050 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-994) ..... Note: Fire tested factory assembled package cast iron unit.	61,437.95		1,486.71
23 52 23 00-0134	EA	2,024 MBH Steam, 2,310 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1094) ..... Note: Fire tested factory assembled package cast iron unit.	66,081.43		1,592.90
23 52 23 00-0135	EA	2,249 MBH Steam, 2,571 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1194) ..... Note: Fire tested factory assembled package cast iron unit.	70,628.53		1,699.10
23 52 23 00-0136	EA	2,474 MBH Steam, 2,834 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1294) ..... Note: Fire tested factory assembled package cast iron unit.	74,791.05		1,699.10
23 52 23 00-0137	EA	2,703 MBH Steam, 3,098 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1394) ..... Note: Fire tested factory assembled package cast iron unit.	79,230.52		1,805.29
23 52 23 00-0138	EA	2,928 MBH Steam, 3,362 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1494) ..... Note: Fire tested factory assembled package cast iron unit.	83,121.27		1,805.29
23 52 23 00-0139	EA	3,154 MBH Steam, 3,628 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1594) ..... Note: Fire tested factory assembled package cast iron unit.	87,293.42		1,911.48
23 52 23 00-0140	EA	3,378 MBH Steam, 3,894 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1694) ..... Note: Fire tested factory assembled package cast iron unit.	93,741.31		1,911.48
23 52 23 00-0141	EA	3,604 MBH Steam, 4,162 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1794) ..... Note: Fire tested factory assembled package cast iron unit.	97,912.29		2,017.67
23 52 23 00-0142	EA	3,834 MBH Steam, 4,430 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1894) ..... Note: Fire tested factory assembled package cast iron unit.	101,045.08		2,017.67
23 52 23 00-0143	EA	4,059 MBH Steam, 4,700 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1994) ..... Note: Fire tested factory assembled package cast iron unit.	107,675.85		2,123.87
23 52 23 00-0144	EA	4,285 MBH Steam, 4,970 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2094) ..... Note: Fire tested factory assembled package cast iron unit.	111,455.37		2,123.87
23 52 23 00-0145	EA	4,510 MBH Steam, 5,241 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2194) ..... Note: Fire tested factory assembled package cast iron unit.	118,260.46		2,230.06
23 52 23 00-0146	EA	4,781 MBH Steam, 5,568 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2294) ..... Note: Fire tested factory assembled package cast iron unit.	122,247.53		2,230.06
23 52 23 00-0147	EA	4,961 MBH Steam, 5,787 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2394) ..... Note: Fire tested factory assembled package cast iron unit.	127,110.02		2,336.25
23 52 23 00-0148	EA	5,232 MBH Steam, 6,117 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2494) ..... Note: Fire tested factory assembled package cast iron unit.	130,844.83		2,336.25
23 52 23 00-0149	EA	5,413 MBH Steam, 6,338 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2594) ..... Note: Fire tested factory assembled package cast iron unit.	135,127.04		2,442.45
<b>23 52 23 00-0150</b>		<b>Oil Fired Weil-McLain Model 94 Cast Iron Boiler</b> <small>(23 52 23 00-0111)</small>			
Note: Field assembled boilers can only be used in situations where package units cannot be installed.					
23 52 23 00-0151	EA	1,584 MBH Steam, 1,784 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-894) ..... Note: Includes field assembly of individual sections and testing.	62,408.32		9,580.81
23 52 23 00-0152	EA	1,800 MBH Steam, 2,050 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-994) ..... Note: Includes field assembly of individual sections and testing.	67,816.05		10,128.27
23 52 23 00-0153	EA	2,024 MBH Steam, 2,310 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1094) ..... Note: Includes field assembly of individual sections and testing.	74,355.43		10,675.75
23 52 23 00-0154	EA	2,249 MBH Steam, 2,571 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1194) ..... Note: Includes field assembly of individual sections and testing.	78,795.93		11,223.23
23 52 23 00-0155	EA	2,474 MBH Steam, 2,834 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1294) ..... Note: Includes field assembly of individual sections and testing.	83,412.50		11,770.70
23 52 23 00-0156	EA	2,703 MBH Steam, 3,098 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1394) ..... Note: Includes field assembly of individual sections and testing.	89,594.58		12,318.18
23 52 23 00-0157	EA	2,928 MBH Steam, 3,362 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1494) ..... Note: Includes field assembly of individual sections and testing.	94,433.69		12,865.65
23 52 23 00-0158	EA	3,154 MBH Steam, 3,628 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1594) ..... Note: Includes field assembly of individual sections and testing.	98,917.85		13,413.12
23 52 23 00-0159	EA	3,378 MBH Steam, 3,894 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1694) ..... Note: Includes field assembly of individual sections and testing.	106,918.23		13,960.60
23 52 23 00-0160	EA	3,604 MBH Steam, 4,162 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1794) ..... Note: Includes field assembly of individual sections and testing.	111,398.75		14,508.07
23 52 23 00-0161	EA	3,834 MBH Steam, 4,430 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1894) ..... Note: Includes field assembly of individual sections and testing.	115,877.51		15,055.54
23 52 23 00-0162	EA	4,059 MBH Steam, 4,700 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1994) ..... Note: Includes field assembly of individual sections and testing.	124,024.86		15,603.02
23 52 23 00-0163	EA	4,285 MBH Steam, 4,970 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2094) ..... Note: Includes field assembly of individual sections and testing.	128,539.74		16,150.49
23 52 23 00-0164	EA	4,510 MBH Steam, 5,241 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2194) ..... Note: Includes field assembly of individual sections and testing.	135,818.15		16,697.97
23 52 23 00-0165	EA	4,781 MBH Steam, 5,568 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2294) ..... Note: Includes field assembly of individual sections and testing.	140,560.22		17,245.45
23 52 23 00-0166	EA	4,961 MBH Steam, 5,787 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2394) ..... Note: Includes field assembly of individual sections and testing.	145,635.29		17,792.91
23 52 23 00-0167	EA	5,232 MBH Steam, 6,117 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2494) ..... Note: Includes field assembly of individual sections and testing.	150,103.98		18,340.39
23 52 23 00-0168	EA	5,413 MBH Steam, 6,338 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2594) ..... Note: Includes field assembly of individual sections and testing.	154,702.76		18,887.87
<b>23 52 23 00-0169</b>		<b>Oil Fired Package Weil-McLain Model 94 Cast Iron Boiler</b> <small>(23 52 23 00-0111)</small>			
23 52 23 00-0170	EA	1,584 MBH Steam, 1,784 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-894) ..... Note: Fire tested factory assembled package cast iron unit.	52,730.58		1,380.51

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0171	EA		1,800 MBH Steam, 2,050 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-994) ..... Note: Fire tested factory assembled package cast iron unit.	57,830.43	1,486.71
23 52 23 00-0172	EA		2,024 MBH Steam, 2,310 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1094) ..... Note: Fire tested factory assembled package cast iron unit.	64,058.65	1,592.90
23 52 23 00-0173	EA		2,249 MBH Steam, 2,571 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1194) ..... Note: Fire tested factory assembled package cast iron unit.	68,191.79	1,699.10
23 52 23 00-0174	EA		2,474 MBH Steam, 2,834 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1294) ..... Note: Fire tested factory assembled package cast iron unit.	72,072.23	1,699.10
23 52 23 00-0175	EA		2,703 MBH Steam, 3,098 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1394) ..... Note: Fire tested factory assembled package cast iron unit.	76,196.35	1,805.29
23 52 23 00-0176	EA		2,928 MBH Steam, 3,362 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1494) ..... Note: Fire tested factory assembled package cast iron unit.	80,300.39	1,805.29
23 52 23 00-0177	EA		3,154 MBH Steam, 3,628 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1594) ..... Note: Fire tested factory assembled package cast iron unit.	84,472.54	1,911.48
23 52 23 00-0178	EA		3,378 MBH Steam, 3,894 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1694) ..... Note: Fire tested factory assembled package cast iron unit.	91,741.47	1,911.48
23 52 23 00-0179	EA		3,604 MBH Steam, 4,162 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1794) ..... Note: Fire tested factory assembled package cast iron unit.	95,911.30	2,017.67
23 52 23 00-0180	EA		3,834 MBH Steam, 4,430 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1894) ..... Note: Fire tested factory assembled package cast iron unit.	99,657.57	2,017.67
23 52 23 00-0181	EA		4,059 MBH Steam, 4,700 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1994) ..... Note: Fire tested factory assembled package cast iron unit.	107,498.11	2,123.87
23 52 23 00-0182	EA		4,285 MBH Steam, 4,970 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2094) ..... Note: Fire tested factory assembled package cast iron unit.	111,277.63	2,123.87
23 52 23 00-0183	EA		4,510 MBH Steam, 5,241 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2194) ..... Note: Fire tested factory assembled package cast iron unit.	118,244.40	2,230.06
23 52 23 00-0184	EA		4,781 MBH Steam, 5,568 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2294) ..... Note: Fire tested factory assembled package cast iron unit.	122,253.27	2,230.06
23 52 23 00-0185	EA		4,961 MBH Steam, 5,787 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2394) ..... Note: Fire tested factory assembled package cast iron unit.	127,017.14	2,336.25
23 52 23 00-0186	EA		5,232 MBH Steam, 6,117 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2494) ..... Note: Fire tested factory assembled package cast iron unit.	130,751.94	2,336.25
23 52 23 00-0187	EA		5,413 MBH Steam, 6,338 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2594) ..... Note: Fire tested factory assembled package cast iron unit.	135,041.04	2,442.45
<b>23 52 23 00-0188</b>			<b>Gas/Oil Fired Weil-McLain Model 94 Cast Iron Boiler</b> <small>(23 52 23 00-0111)</small> Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0189	EA		1,584 MBH Steam, 1,784 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-894)..... Note: Includes field assembly of individual sections and testing.	66,905.68	9,580.81
23 52 23 00-0190	EA		1,800 MBH Steam, 2,050 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-994)..... Note: Includes field assembly of individual sections and testing.	72,314.56	10,128.27
23 52 23 00-0191	EA		2,024 MBH Steam, 2,310 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1094)..... Note: Includes field assembly of individual sections and testing.	77,562.75	10,675.75
23 52 23 00-0192	EA		2,249 MBH Steam, 2,571 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1194)..... Note: Includes field assembly of individual sections and testing.	82,533.02	11,223.23
23 52 23 00-0193	EA		2,474 MBH Steam, 2,834 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1294)..... Note: Includes field assembly of individual sections and testing.	87,405.31	11,770.70
23 52 23 00-0194	EA		2,703 MBH Steam, 3,098 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1394)..... Note: Includes field assembly of individual sections and testing.	92,981.93	12,318.18
23 52 23 00-0195	EA		2,928 MBH Steam, 3,362 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1494)..... Note: Includes field assembly of individual sections and testing.	98,858.81	12,865.65
23 52 23 00-0196	EA		3,154 MBH Steam, 3,628 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1594)..... Note: Includes field assembly of individual sections and testing.	103,622.76	13,413.12
23 52 23 00-0197	EA		3,378 MBH Steam, 3,894 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1694)..... Note: Includes field assembly of individual sections and testing.	110,984.43	13,960.60
23 52 23 00-0198	EA		3,604 MBH Steam, 4,162 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1794)..... Note: Includes field assembly of individual sections and testing.	115,463.80	14,508.07
23 52 23 00-0199	EA		3,834 MBH Steam, 4,430 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1894)..... Note: Includes field assembly of individual sections and testing.	119,411.64	15,055.54
23 52 23 00-0200	EA		4,059 MBH Steam, 4,700 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1994)..... Note: Includes field assembly of individual sections and testing.	126,427.20	15,603.02
23 52 23 00-0201	EA		4,285 MBH Steam, 4,970 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2094)..... Note: Includes field assembly of individual sections and testing.	132,088.78	16,150.49
23 52 23 00-0202	EA		4,510 MBH Steam, 5,241 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2194)..... Note: Includes field assembly of individual sections and testing.	139,797.20	16,697.97
23 52 23 00-0203	EA		4,781 MBH Steam, 5,568 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2294)..... Note: Includes field assembly of individual sections and testing.	144,506.01	17,245.45
23 52 23 00-0204	EA		4,961 MBH Steam, 5,787 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2394)..... Note: Includes field assembly of individual sections and testing.	149,892.99	17,792.91
23 52 23 00-0205	EA		5,232 MBH Steam, 6,117 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2494)..... Note: Includes field assembly of individual sections and testing.	154,362.82	18,340.39
23 52 23 00-0206	EA		5,413 MBH Steam, 6,338 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2594)..... Note: Includes field assembly of individual sections and testing.	158,958.16	18,887.87
<b>23 52 23 00-0207</b>			<b>Gas/Oil Fired Package Weil-McLain Model 94 Cast Iron Boiler</b> <small>(23 52 23 00-0111)</small>		
23 52 23 00-0208	EA		1,584 MBH Steam, 1,784 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-894)..... Note: Fire tested factory assembled package cast iron unit.	57,497.41	1,380.51
23 52 23 00-0209	EA		1,800 MBH Steam, 2,050 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-994)..... Note: Fire tested factory assembled package cast iron unit.	62,598.41	1,486.71
23 52 23 00-0210	EA		2,024 MBH Steam, 2,310 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1094)..... Note: Fire tested factory assembled package cast iron unit.	67,538.88	1,592.90
23 52 23 00-0211	EA		2,249 MBH Steam, 2,571 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1194)..... Note: Fire tested factory assembled package cast iron unit.	72,199.51	1,699.10
23 52 23 00-0212	EA		2,474 MBH Steam, 2,834 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1294)..... Note: Fire tested factory assembled package cast iron unit.	76,335.66	1,699.10

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 50 Central Heating Equipment**

**23 52 Heating Boilers**



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 52 23 00-0213	EA	2,703 MBH Steam, 3,098 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1394).....	79,853.18	1,805.29
		Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0214	EA	2,928 MBH Steam, 3,362 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1494).....	84,994.98	1,805.29
		Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0215	EA	3,154 MBH Steam, 3,628 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1594).....	89,448.07	1,911.48
		Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0216	EA	3,378 MBH Steam, 3,894 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1694).....	96,078.29	1,911.48
		Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0217	EA	3,604 MBH Steam, 4,162 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1794).....	100,246.97	2,017.67
		Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0218	EA	3,834 MBH Steam, 4,430 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1894).....	103,461.17	2,017.67
		Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0219	EA	4,059 MBH Steam, 4,700 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1994).....	110,169.92	2,123.87
		Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0220	EA	4,285 MBH Steam, 4,970 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2094).....	115,097.29	2,123.87
		Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0221	EA	4,510 MBH Steam, 5,241 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2194).....	122,494.07	2,230.06
		Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0222	EA	4,781 MBH Steam, 5,568 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2294).....	126,469.68	2,230.06
		Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0223	EA	4,961 MBH Steam, 5,787 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2394).....	131,544.31	2,336.25
		Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0224	EA	5,232 MBH Steam, 6,117 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2494).....	135,280.26	2,336.25
		Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0225	EA	5,413 MBH Steam, 6,338 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2594).....	139,567.07	2,442.45
		Note: Fire tested factory assembled package cast iron unit.		

**23 52 33 Water-Tube Boilers (23 52)**

**23 52 33 13 Finned Water-Tube Boilers (23 52 33)**

**23 52 33 13-0001 Laars Pennant 85% Efficient Water, Gas Fired, Copper Fin Tube LoNox Boiler (23 52 33 13)**

Note: Rated by gross rated output.

23 52 33 13-0002	EA	200 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	9,715.76	600.01
23 52 33 13-0003	EA	300 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	10,688.93	666.69
23 52 33 13-0004	EA	400 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	12,263.12	800.02
23 52 33 13-0005	EA	500 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	15,752.88	833.36
23 52 33 13-0006	EA	750 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	18,496.22	1,000.02
23 52 33 13-0007	EA	1,000 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	22,741.55	1,200.03
23 52 33 13-0008	EA	1,250 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	25,879.64	1,266.70
23 52 33 13-0009	EA	1,500 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	28,683.99	1,366.71
23 52 33 13-0010	EA	1,750 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	31,305.01	1,433.37
23 52 33 13-0011	EA	2,000 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	33,626.42	1,466.71

**23 52 33 13-0012 Patterson Kelly Modufire Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (23 52 33 13)**

Note: Rated by gross rated output.

23 52 33 13-0013	EA	1,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	34,337.35	1,200.03
23 52 33 13-0014	EA	1,500 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	42,949.28	1,366.71
23 52 33 13-0015	EA	2,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	45,760.78	1,466.71
23 52 33 13-0016	EA	2,500 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	64,942.33	1,666.71
23 52 33 13-0017	EA	3,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	68,060.44	1,866.72

**23 52 33 13-0018 Lochinvar Copper-Fin II Finned Tube Boiler (23 52 33 13)**

Note: Rated by gross rated output.

23 52 33 13-0019	EA	340 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0402).....	11,492.15	538.40
		For High And Low Gas Pressure Switch With Manual Reset, Add	421.23	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	373.15	
23 52 33 13-0020	EA	425 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0502).....	13,803.16	672.75
		For High And Low Gas Pressure Switch With Manual Reset, Add	421.23	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	373.15	
23 52 33 13-0021	EA	552.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0652).....	14,834.48	808.10
		For High And Low Gas Pressure Switch With Manual Reset, Add	421.23	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	373.15	
23 52 33 13-0022	EA	637.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0752).....	15,236.24	808.10
		For High And Low Gas Pressure Switch With Manual Reset, Add	421.23	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	373.15	
23 52 33 13-0023	EA	841.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0992).....	18,901.93	1,010.13
		For High And Low Gas Pressure Switch With Manual Reset, Add	421.23	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	373.15	
23 52 33 13-0024	EA	1,071 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1262).....	21,850.52	1,010.13
		For High And Low Gas Pressure Switch With Manual Reset, Add	421.23	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	373.15	
23 52 33 13-0025	EA	1,224 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1442).....	23,800.98	1,010.13
		For High And Low Gas Pressure Switch With Manual Reset, Add	421.23	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	373.15	
23 52 33 13-0026	EA	1,530 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1802).....	25,686.78	1,212.16
		For High And Low Gas Pressure Switch With Manual Reset, Add	421.23	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	373.15	
23 52 33 13-0027	EA	1,759.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN2072).....	30,375.77	1,414.18
		For High And Low Gas Pressure Switch With Manual Reset, Add	421.23	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	373.15	

MINOR  
CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 52 33 13-0028		Raypak Cupro-Nickel Finned-Tube Boiler With Pump <small>(23 52 33 13)</small>	
Note: Rated by gross rated output.			
23 52 33 13-0029	EA	385 MBH Water, Gas Fired, On/Off, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H4-399B) .....	11,133.11 740.02
23 52 33 13-0030	EA	420 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-499B) .....	11,988.97 666.69
23 52 33 13-0031	EA	546 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-649B) .....	13,321.34 800.02
23 52 33 13-0032	EA	630 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-749B) .....	14,142.51 908.21
23 52 33 13-0033	EA	756 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-899B) .....	15,709.85 1,000.02
23 52 33 13-0034	EA	832 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-989B) .....	16,895.23 1,076.40
23 52 33 13-0035	EA	1,058 MBH Water, Gas Fired, Three Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H8-1259B) .....	19,300.67 1,200.03
23 52 33 13-0036	EA	1,285 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1529B) .....	22,407.64 1,266.70
23 52 33 13-0037	EA	1,512 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1799B) .....	23,779.01 1,366.71
23 52 33 13-0038	EA	1,679 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1999B) .....	28,390.93 1,400.04
23 52 33 13-0039	EA	1,739 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-2069B) .....	28,491.95 1,433.37
23 52 33 13-0040	EA	1,966 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-2339B) .....	33,306.79 1,466.71
23 52 33 16		<b>Steel Water-Tube Boilers <small>(23 52 33)</small></b>	
23 52 33 16-0001		<b>Unilux 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler <small>(23 52 33 16)</small></b>	
Note: Compliant with BAAQMD.			
23 52 33 16-0002	EA	1,250 MBH Input/1,062 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF100) .....	71,226.00 1,616.21
23 52 33 16-0003	EA	1,750 MBH Input/1,488 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF150) .....	76,636.19 2,020.26
23 52 33 16-0004	EA	2,200 MBH Input/1,870 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF200) .....	78,061.95 2,222.28
23 52 33 16-0005	EA	2,750 MBH Input/2,338 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF250) .....	84,089.78 2,424.31
23 52 33 16-0006	EA	3,000 MBH Input/2,550 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF300) .....	86,996.90 2,727.35
23 52 33 16-0007	EA	3,750 MBH Output/3,188 MBH Input, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux VZ350) .....	96,037.77 3,030.38
23 52 33 16-0008	EA	4,300 MBH Input/3,655 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux VZ400) .....	100,074.27 3,131.40
23 52 33 16-0009		<b>Unilux 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler <small>(23 52 33 16)</small></b>	
Note: Compliant with BAAQMD.			
23 52 33 16-0010	EA	1,250 MBH, 31 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 100LS) .....	83,133.50 1,818.23
23 52 33 16-0011	EA	1,750 MBH, 43.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 150LS) .....	87,318.18 2,121.27
23 52 33 16-0012	EA	2,200 MBH, 54.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 200LS) .....	89,767.41 2,323.29
23 52 33 16-0013	EA	2,750 MBH, 68 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 250LS) .....	100,395.56 2,525.32
23 52 33 16-0014	EA	3,000 MBH, 74 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 300LS) .....	104,122.34 2,727.35
23 52 33 16-0015	EA	3,750 MBH, 93 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 350LS) .....	111,373.90 3,030.38
23 52 33 16-0016	EA	4,300 MBH, 106.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 400LS) .....	117,918.84 3,232.41
23 52 33 16-0017	EA	5,400 MBH, 134 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 500LS) .....	196,791.08 3,434.44
23 52 33 16-0018	EA	6,250 MBH, 155 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 600LS) .....	213,043.01 3,636.47
23 52 33 16-0019	EA	7,235 MBH, 179 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 700LS) .....	224,182.88 3,838.49
23 52 33 16-0020	EA	8,270 MBH, 205 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 800LS) .....	229,954.85 4,040.51
23 52 33 16-0021		<b>Unilux 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler <small>(23 52 33 16)</small></b>	
Note: Compliant with BAAQMD.			
23 52 33 16-0022	EA	1,250 MBH, 31 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 100HS) .....	89,523.11 1,818.23
23 52 33 16-0023	EA	1,750 MBH, 43.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 150HS) .....	94,987.14 2,121.27
23 52 33 16-0024	EA	2,200 MBH, 54.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 200HS) .....	98,458.06 2,323.29
23 52 33 16-0025	EA	2,750 MBH, 68 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 250HS) .....	109,342.08 2,525.32
23 52 33 16-0026	EA	3,000 MBH, 74 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 300HS) .....	113,068.86 2,727.35
23 52 33 16-0027	EA	3,750 MBH, 93 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 350HS) .....	119,042.87 3,030.38
23 52 33 16-0028	EA	4,300 MBH, 106.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 400HS) .....	125,838.30 3,232.41
23 52 33 16-0029	EA	5,400 MBH, 134 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 500HS) .....	204,204.17 3,434.44
23 52 33 16-0030	EA	6,250 MBH, 155 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 600HS) .....	221,735.45 3,636.47

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 52 Heating Boilers**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 52 33 16-0031	EA	7,235 MBH, 179 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 700HS) .....	228,784.98	3,838.49
23 52 33 16-0032	EA	8,270 MBH, 205 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 800HS) .....	238,647.29	4,040.51
23 52 33 16-0033	EA	9,300 MBH, 230 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 900HS) .....	265,379.19	4,242.54
23 52 33 16-0034	EA	10,330 MBH, 256 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 1000HS) .....	383,748.53	4,444.57
23 52 33 16-0035	EA	12,400 MBH, 307 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 1200HS) .....	403,196.16	4,646.59

**23 52 36 Fire-Box Boiler (23 52)****23 52 36 00-0001 Package Oil Fired Firebox Boilers (23 52 36)**

Note: Prices are good for 15 PSI steam or 30 PSI water. Packaged type, complete with burner and all basic safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.) Normally required (Boiler HP) boiler sizes are based on HP rating and gross output.

23 52 36 00-0002	EA	40 HP, 1,339 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water .....	78,589.00	2,548.65
23 52 36 00-0003	EA	46 HP, 1,553 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water .....	82,159.37	2,761.03
23 52 36 00-0004	EA	53 HP, 1,784 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water .....	86,015.64	2,973.41
23 52 36 00-0005	EA	61 HP, 2,062 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water .....	93,017.49	3,185.80
23 52 36 00-0006	EA	69 HP, 2,313 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water .....	97,159.69	3,398.19
23 52 36 00-0007	EA	80 HP, 2,678 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water .....	101,230.55	3,610.58
23 52 36 00-0008	EA	100 HP, 3,348 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water .....	112,607.55	3,822.96
23 52 36 00-0009	EA	127 HP, 4,251 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water .....	130,314.43	4,247.73
23 52 36 00-0010	EA	151 HP, 5,055 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water .....	148,321.64	4,672.51
23 52 36 00-0011	EA	183 HP, 6,126 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water .....	162,717.38	5,150.38
23 52 36 00-0012	EA	220 HP, 7,388 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water .....	177,113.25	5,628.25
23 52 36 00-0013	EA	257 HP, 8,606 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water .....	186,173.90	6,583.99
23 52 36 00-0014	EA	294 HP, 9,842 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water .....	226,904.40	7,539.73
23 52 36 00-0015	EA	368 HP, 12,302 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water .....	268,635.75	8,495.47
23 52 36 00-0016	EA	441 HP, 14,766 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water .....	310,794.02	9,557.41
23 52 36 00-0017	EA	514 HP, 17,220 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water .....	351,992.31	10,353.86

**23 52 39 Fire-Tube Boilers (23 52)****23 52 39 13 Scotch Marine Boilers (23 52 39)****23 52 39 13-0001 15 PSI Steam Scotch Marine Boilers (23 52 39 13)**

Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH gross rated output.

**23 52 39 13-0002 15 PSI Gas Fired Steam Scotch Marine Boilers (23 52 39 13-0001)**

23 52 39 13-0003	EA	30 HP, 1,033 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler .....	62,624.11	1,168.13
		Note: Burnham Series 3. Fire tested factory assembled unit.		
23 52 39 13-0004	EA	40 HP, 1,339 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler .....	67,408.11	1,274.32
		Note: Burnham Series 3. Fire tested factory assembled unit.		
23 52 39 13-0005	EA	50 HP, 1,674 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler .....	73,214.10	1,380.51
		Note: Burnham Series 3. Fire tested factory assembled unit.		
23 52 39 13-0006	EA	60 HP, 2,009 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler .....	76,489.00	1,592.90
		Note: Burnham Series 3. Fire tested factory assembled unit.		
23 52 39 13-0007	EA	70 HP, 2,343 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler .....	80,146.33	1,699.10
		Note: Burnham Series 3. Fire tested factory assembled unit.		
23 52 39 13-0008	EA	80 HP, 2,678 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler .....	83,895.90	1,805.29
		Note: Burnham Series 3. Fire tested factory assembled unit.		
23 52 39 13-0009	EA	90 HP, 3,013 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler .....	86,485.53	1,858.38
		Note: Burnham Series 3. Fire tested factory assembled unit.		
23 52 39 13-0010	EA	100 HP, 3,348 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler .....	91,300.67	1,911.48
		Note: Burnham Series 3. Fire tested factory assembled unit.		
23 52 39 13-0011	EA	125 HP, 4,184 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler .....	103,232.20	2,123.87
		Note: Burnham Series 3. Fire tested factory assembled unit.		
23 52 39 13-0012	EA	150 HP, 5,021 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler .....	117,310.15	2,336.25
		Note: Burnham Series 3. Fire tested factory assembled unit.		
23 52 39 13-0013	EA	175 HP, 5,858 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler .....	128,672.07	2,575.19
		Note: Burnham Series 3. Fire tested factory assembled unit.		
23 52 39 13-0014	EA	200 HP, 6,695 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler .....	140,031.82	2,814.12
		Note: Burnham Series 3. Fire tested factory assembled unit.		
23 52 39 13-0015	EA	250 HP, 8,369 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler .....	147,682.91	3,291.99
		Note: Burnham Series 3. Fire tested factory assembled unit.		
23 52 39 13-0016	EA	300 HP, 10,043 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler .....	179,621.88	3,769.86
		Note: Burnham Series 3. Fire tested factory assembled unit.		
23 52 39 13-0017	EA	350 HP, 11,716 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler .....	194,444.24	4,247.73
		Note: Burnham Series 3. Fire tested factory assembled unit.		
23 52 39 13-0018	EA	400 HP, 13,390 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler .....	228,960.10	4,725.60
		Note: Burnham Series 3. Fire tested factory assembled unit.		
23 52 39 13-0019	EA	500 HP, 16,738 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler .....	278,118.10	5,203.47
		Note: Burnham Series 3. Fire tested factory assembled unit.		
23 52 39 13-0020	EA	600 HP, 20,085 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler .....	325,387.21	5,681.34
		Note: Burnham Series 3. Fire tested factory assembled unit.		
23 52 39 13-0021	EA	700 HP, 23,433 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler .....	370,641.23	6,159.21
		Note: Burnham Series 3. Fire tested factory assembled unit.		
23 52 39 13-0022	EA	800 HP, 26,780 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler .....	414,078.49	6,637.08
		Note: Burnham Series 3. Fire tested factory assembled unit.		
23 52 39 13-0023	EA	900 HP, 30,128 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler .....	644,910.33	7,114.95
		Note: Burnham Series 3. Fire tested factory assembled unit.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0024	EA		1,000 HP, 33,476 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	701,696.55	7,592.83
<b>23 52 39 13-0025</b>			<b>15 PSI Oil Fired Steam Scotch Marine Boilers</b> <small>(23 52 39 13-0001)</small>		
23 52 39 13-0026	EA		30 HP, 1,033 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	58,036.59	1,168.13
23 52 39 13-0027	EA		40 HP, 1,339 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	62,475.30	1,274.32
23 52 39 13-0028	EA		50 HP, 1,674 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	67,852.35	1,380.51
23 52 39 13-0029	EA		60 HP, 2,009 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	73,923.94	1,592.90
23 52 39 13-0030	EA		70 HP, 2,343 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	77,120.87	1,699.10
23 52 39 13-0031	EA		80 HP, 2,678 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	80,312.83	1,805.29
23 52 39 13-0032	EA		90 HP, 3,013 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	83,299.94	1,858.38
23 52 39 13-0033	EA		100 HP, 3,348 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	89,261.77	1,911.48
23 52 39 13-0034	EA		125 HP, 4,184 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	103,329.42	2,123.87
23 52 39 13-0035	EA		150 HP, 5,021 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	117,415.95	2,336.25
23 52 39 13-0036	EA		175 HP, 5,858 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	128,789.32	2,575.19
23 52 39 13-0037	EA		200 HP, 6,695 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	140,160.50	2,814.12
23 52 39 13-0038	EA		250 HP, 8,369 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	147,817.31	3,291.99
23 52 39 13-0039	EA		300 HP, 10,043 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	179,787.74	3,769.86
23 52 39 13-0040	EA		350 HP, 11,716 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	194,621.54	4,247.73
23 52 39 13-0041	EA		400 HP, 13,390 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	229,171.71	4,725.60
23 52 39 13-0042	EA		500 HP, 16,738 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	278,375.47	5,203.47
23 52 39 13-0043	EA		600 HP, 20,085 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	325,690.33	5,681.34
23 52 39 13-0044	EA		700 HP, 23,433 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	370,987.24	6,159.21
23 52 39 13-0045	EA		800 HP, 26,780 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	414,467.40	6,637.08
23 52 39 13-0046	EA		900 HP, 30,128 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	645,525.10	7,114.95
23 52 39 13-0047	EA		1,000 HP, 33,476 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	702,369.09	7,592.83
<b>23 52 39 13-0048</b>			<b>15 PSI Gas/Oil Fired Steam Scotch Marine Boilers</b> <small>(23 52 39 13-0001)</small>		
23 52 39 13-0049	EA		30 HP, 1,033 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	64,631.97	1,168.13
23 52 39 13-0050	EA		40 HP, 1,339 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	69,567.11	1,274.32
23 52 39 13-0051	EA		50 HP, 1,674 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	75,556.11	1,380.51
23 52 39 13-0052	EA		60 HP, 2,009 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	79,400.07	1,592.90
23 52 39 13-0053	EA		70 HP, 2,343 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	82,822.92	1,699.10
23 52 39 13-0054	EA		80 HP, 2,678 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	86,240.78	1,805.29
23 52 39 13-0055	EA		90 HP, 3,013 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	89,450.94	1,858.38
23 52 39 13-0056	EA		100 HP, 3,348 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	92,661.84	1,911.48
23 52 39 13-0057	EA		125 HP, 4,184 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	107,281.39	2,123.87
23 52 39 13-0058	EA		150 HP, 5,021 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	121,919.82	2,336.25
23 52 39 13-0059	EA		175 HP, 5,858 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	133,727.84	2,575.19
23 52 39 13-0060	EA		200 HP, 6,695 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	145,530.83	2,814.12
23 52 39 13-0061	EA		250 HP, 8,369 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	153,427.85	3,291.99
23 52 39 13-0062	EA		300 HP, 10,043 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	186,650.78	3,769.86
23 52 39 13-0063	EA		350 HP, 11,716 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	202,022.18	4,247.73
23 52 39 13-0064	EA		400 HP, 13,390 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	237,933.52	4,725.60
23 52 39 13-0065	EA		500 HP, 16,738 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	289,107.55	5,203.47
23 52 39 13-0066	EA		600 HP, 20,085 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	338,312.60	5,681.34

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 52 Heating Boilers**
 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0067	EA		700 HP, 23,433 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	385,419.64	6,159.21
23 52 39 13-0068	EA		800 HP, 26,780 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	430,629.86	6,637.08
23 52 39 13-0069	EA		900 HP, 30,128 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	671,238.34	7,114.95
23 52 39 13-0070	EA		1,000 HP, 33,476 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	730,368.12	7,592.83
<b>23 52 39 13-0071</b>			<b>125 PSI Water Scotch Marine Boilers</b> (23 52 39 13) Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH gross rated output.		
<b>23 52 39 13-0072</b>			<b>125 PSI Gas Fired Water Scotch Marine Boilers</b> (23 52 39 13-0071)		
23 52 39 13-0073	EA		40 HP, 1,339 MBH 125 PSI Water Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	74,142.47	1,274.32
23 52 39 13-0074	EA		50 HP, 1,674 MBH 125 PSI Water Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	83,205.54	1,380.51
23 52 39 13-0075	EA		60 HP, 2,009 MBH 125 PSI Water Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	89,382.94	1,592.90
23 52 39 13-0076	EA		70 HP, 2,343 MBH 125 PSI Water Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	96,082.88	1,699.10
23 52 39 13-0077	EA		80 HP, 2,678 MBH 125 PSI Water Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	102,923.68	1,805.29
23 52 39 13-0078	EA		90 HP, 3,013 MBH 125 PSI Water Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	108,367.19	1,858.38
23 52 39 13-0079	EA		100 HP, 3,348 MBH 125 PSI Water Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	116,682.48	1,911.48
23 52 39 13-0080	EA		125 HP, 4,184 MBH 125 PSI Water Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	125,179.63	2,123.87
23 52 39 13-0081	EA		150 HP, 5,021 MBH 125 PSI Water Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	136,466.61	2,336.25
23 52 39 13-0082	EA		175 HP, 5,858 MBH 125 PSI Water Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	145,160.53	2,575.19
23 52 39 13-0083	EA		200 HP, 6,695 MBH 125 PSI Water Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	150,286.34	2,814.12
23 52 39 13-0084	EA		250 HP, 8,369 MBH 125 PSI Water Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	181,935.20	3,291.99
23 52 39 13-0085	EA		300 HP, 10,043 MBH 125 PSI Water Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	211,832.42	3,769.86
23 52 39 13-0086	EA		350 HP, 11,716 MBH 125 PSI Water Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	228,313.34	4,247.73
23 52 39 13-0087	EA		400 HP, 13,390 MBH 125 PSI Water Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	254,739.39	4,725.60
23 52 39 13-0088	EA		500 HP, 16,738 MBH 125 PSI Water Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	308,704.38	5,203.47
23 52 39 13-0089	EA		600 HP, 20,085 MBH 125 PSI Water Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	361,358.12	5,681.34
23 52 39 13-0090	EA		700 HP, 23,433 MBH 125 PSI Water Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	411,768.00	6,159.21
23 52 39 13-0091	EA		800 HP, 26,780 MBH 125 PSI Water Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	460,140.93	6,637.08
23 52 39 13-0092	EA		900 HP, 30,128 MBH 125 PSI Water Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	718,183.96	7,114.95
23 52 39 13-0093	EA		1,000 HP, 33,476 MBH 125 PSI Water Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	781,489.26	7,592.83
<b>23 52 39 13-0094</b>			<b>125 PSI Oil Fired Water Scotch Marine Boilers</b> (23 52 39 13-0071)		
23 52 39 13-0095	EA		40 HP, 1,339 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	68,674.92	1,274.32
23 52 39 13-0096	EA		50 HP, 1,674 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	77,051.68	1,380.51
23 52 39 13-0097	EA		60 HP, 2,009 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	86,343.18	1,592.90
23 52 39 13-0098	EA		70 HP, 2,343 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	92,402.58	1,699.10
23 52 39 13-0099	EA		80 HP, 2,678 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	98,454.13	1,805.29
23 52 39 13-0100	EA		90 HP, 3,013 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	104,297.98	1,858.38
23 52 39 13-0101	EA		100 HP, 3,348 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	114,023.05	1,911.48
23 52 39 13-0102	EA		125 HP, 4,184 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	125,296.87	2,123.87
23 52 39 13-0103	EA		150 HP, 5,021 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	136,592.43	2,336.25
23 52 39 13-0104	EA		175 HP, 5,858 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	145,294.93	2,575.19
23 52 39 13-0105	EA		200 HP, 6,695 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	150,426.46	2,814.12
23 52 39 13-0106	EA		250 HP, 8,369 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	182,103.92	3,291.99
23 52 39 13-0107	EA		300 HP, 10,043 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	212,029.73	3,769.86
23 52 39 13-0108	EA		350 HP, 11,716 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	228,524.95	4,247.73



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0109	EA		400 HP, 13,390 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	254,976.74	4,725.60
23 52 39 13-0110	EA		500 HP, 16,738 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	308,993.20	5,203.47
23 52 39 13-0111	EA		600 HP, 20,085 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	361,698.41	5,681.34
23 52 39 13-0112	EA		700 HP, 23,433 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	412,156.90	6,159.21
23 52 39 13-0113	EA		800 HP, 26,780 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	460,575.59	6,637.08
23 52 39 13-0114	EA		900 HP, 30,128 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	718,873.01	7,114.95
23 52 39 13-0115	EA		1,000 HP, 33,476 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	782,240.20	7,592.83
<b>23 52 39 13-0116</b>			<b>125 PSI Gas/Oil Fired Water Scotch Marine Boilers</b> <small>(23 52 39 13-0071)</small>		
23 52 39 13-0117	EA		40 HP, 1,339 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	76,533.10	1,274.32
23 52 39 13-0118	EA		50 HP, 1,674 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	85,893.57	1,380.51
23 52 39 13-0119	EA		60 HP, 2,009 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	92,828.76	1,592.90
23 52 39 13-0120	EA		70 HP, 2,343 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	99,342.82	1,699.10
23 52 39 13-0121	EA		80 HP, 2,678 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	105,851.91	1,805.29
23 52 39 13-0122	EA		90 HP, 3,013 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	112,153.30	1,858.38
23 52 39 13-0123	EA		100 HP, 3,348 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	118,455.43	1,911.48
23 52 39 13-0124	EA		125 HP, 4,184 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	130,163.91	2,123.87
23 52 39 13-0125	EA		150 HP, 5,021 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	141,894.13	2,336.25
23 52 39 13-0126	EA		175 HP, 5,858 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	150,919.76	2,575.19
23 52 39 13-0127	EA		200 HP, 6,695 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	156,225.73	2,814.12
23 52 39 13-0128	EA		250 HP, 8,369 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	189,144.25	3,291.99
23 52 39 13-0129	EA		300 HP, 10,043 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	220,236.78	3,769.86
23 52 39 13-0130	EA		350 HP, 11,716 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	237,338.24	4,247.73
23 52 39 13-0131	EA		400 HP, 13,390 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	264,813.76	4,725.60
23 52 39 13-0132	EA		500 HP, 16,738 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	321,003.52	5,203.47
23 52 39 13-0133	EA		600 HP, 20,085 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	375,821.97	5,681.34
23 52 39 13-0134	EA		700 HP, 23,433 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	428,305.06	6,159.21
23 52 39 13-0135	EA		800 HP, 26,780 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	478,659.70	6,637.08
23 52 39 13-0136	EA		900 HP, 30,128 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	747,643.60	7,114.95
23 52 39 13-0137	EA		1,000 HP, 33,476 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	813,564.79	7,592.83
<b>23 52 39 13-0138</b>			<b>150 PSI Steam Scotch Marine Boilers</b> <small>(23 52 39 13)</small> Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH gross rated output.		
<b>23 52 39 13-0139</b>			<b>150 PSI Gas Fired Steam Scotch Marine Boilers</b> <small>(23 52 39 13-0138)</small>		
23 52 39 13-0140	EA		40 HP, 1,339 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	86,101.32	1,274.32
23 52 39 13-0141	EA		50 HP, 1,674 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	93,520.12	1,380.51
23 52 39 13-0142	EA		60 HP, 2,009 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	97,524.22	1,592.90
23 52 39 13-0143	EA		70 HP, 2,343 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	102,150.95	1,699.10
23 52 39 13-0144	EA		80 HP, 2,678 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	106,898.53	1,805.29
23 52 39 13-0145	EA		90 HP, 3,013 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	110,203.05	1,858.38
23 52 39 13-0146	EA		100 HP, 3,348 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	116,399.38	1,911.48
23 52 39 13-0147	EA		125 HP, 4,184 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	131,656.62	2,123.87
23 52 39 13-0148	EA		150 HP, 5,021 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	149,697.98	2,336.25
23 52 39 13-0149	EA		175 HP, 5,858 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	164,182.58	2,575.19
23 52 39 13-0150	EA		200 HP, 6,695 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	178,665.01	2,814.12

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0151	EA		250 HP, 8,369 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	188,037.59	3,291.99
23 52 39 13-0152	EA		300 HP, 10,043 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	228,987.16	3,769.86
23 52 39 13-0153	EA		350 HP, 11,716 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	247,660.58	4,247.73
23 52 39 13-0154	EA		400 HP, 13,390 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	291,982.82	4,725.60
23 52 39 13-0155	EA		500 HP, 16,738 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	355,318.72	5,203.47
23 52 39 13-0156	EA		600 HP, 20,085 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	416,176.65	5,681.34
23 52 39 13-0157	EA		700 HP, 23,433 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	474,444.71	6,159.21
23 52 39 13-0158	EA		800 HP, 26,780 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	530,338.39	6,637.08
23 52 39 13-0159	EA		900 HP, 30,128 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	829,850.03	7,114.95
23 52 39 13-0160	EA		1,000 HP, 33,476 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	903,074.23	7,592.83
<b>23 52 39 13-0161</b>			<b>150 PSI Oil Fired Steam Scotch Marine Boilers (23 52 39 13-0158)</b>		
23 52 39 13-0162	EA		40 HP, 1,339 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	79,687.24	1,274.32
23 52 39 13-0163	EA		50 HP, 1,674 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	86,551.28	1,380.51
23 52 39 13-0164	EA		60 HP, 2,009 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	94,187.07	1,592.90
23 52 39 13-0165	EA		70 HP, 2,343 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	98,219.00	1,699.10
23 52 39 13-0166	EA		80 HP, 2,678 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	102,243.10	1,805.29
23 52 39 13-0167	EA		90 HP, 3,013 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	106,059.49	1,858.38
23 52 39 13-0168	EA		100 HP, 3,348 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	113,745.67	1,911.48
23 52 39 13-0169	EA		125 HP, 4,184 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	131,779.58	2,123.87
23 52 39 13-0170	EA		150 HP, 5,021 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	149,838.10	2,336.25
23 52 39 13-0171	EA		175 HP, 5,858 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	164,337.00	2,575.19
23 52 39 13-0172	EA		200 HP, 6,695 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	178,833.73	2,814.12
23 52 39 13-0173	EA		250 HP, 8,369 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	188,212.02	3,291.99
23 52 39 13-0174	EA		300 HP, 10,043 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	229,201.63	3,769.86
23 52 39 13-0175	EA		350 HP, 11,716 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	247,892.21	4,247.73
23 52 39 13-0176	EA		400 HP, 13,390 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	292,257.34	4,725.60
23 52 39 13-0177	EA		500 HP, 16,738 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	355,653.30	5,203.47
23 52 39 13-0178	EA		600 HP, 20,085 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	416,571.27	5,681.34
23 52 39 13-0179	EA		700 HP, 23,433 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	474,893.67	6,159.21
23 52 39 13-0180	EA		800 HP, 26,780 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	530,841.68	6,637.08
23 52 39 13-0181	EA		900 HP, 30,128 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	830,650.47	7,114.95
23 52 39 13-0182	EA		1,000 HP, 33,476 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	903,948.94	7,592.83
<b>23 52 39 13-0183</b>			<b>150 PSI Gas/Oil Fired Steam Scotch Marine Boilers (23 52 39 13-0138)</b>		
23 52 39 13-0184	EA		40 HP, 1,339 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	88,906.59	1,274.32
23 52 39 13-0185	EA		50 HP, 1,674 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	96,565.60	1,380.51
23 52 39 13-0186	EA		60 HP, 2,009 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	101,307.47	1,592.90
23 52 39 13-0187	EA		70 HP, 2,343 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	105,631.09	1,699.10
23 52 39 13-0188	EA		80 HP, 2,678 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	109,946.86	1,805.29
23 52 39 13-0189	EA		90 HP, 3,013 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	114,057.80	1,858.38
23 52 39 13-0190	EA		100 HP, 3,348 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	118,166.61	1,911.48
23 52 39 13-0191	EA		125 HP, 4,184 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	136,918.29	2,123.87
23 52 39 13-0192	EA		150 HP, 5,021 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	155,691.70	2,336.25
23 52 39 13-0193	EA		175 HP, 5,858 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	170,753.95	2,575.19

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0194	EA		200 HP, 6,695 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	185,816.87	2,814.12
23 52 39 13-0195	EA		250 HP, 8,369 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	195,506.86	3,291.99
23 52 39 13-0196	EA		300 HP, 10,043 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	238,123.58	3,769.86
23 52 39 13-0197	EA		350 HP, 11,716 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	257,511.91	4,247.73
23 52 39 13-0198	EA		400 HP, 13,390 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	303,647.13	4,725.60
23 52 39 13-0199	EA		500 HP, 16,738 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	369,608.15	5,203.47
23 52 39 13-0200	EA		600 HP, 20,085 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	432,979.66	5,681.34
23 52 39 13-0201	EA		700 HP, 23,433 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	493,655.50	6,159.21
23 52 39 13-0202	EA		800 HP, 26,780 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	551,854.02	6,637.08
23 52 39 13-0203	EA		900 HP, 30,128 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	864,075.20	7,114.95
23 52 39 13-0204	EA		1,000 HP, 33,476 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	940,344.39	7,592.83

### 23 53 Heating Boiler Feedwater Equipment (23 50)

#### 23 53 13 Boiler Feedwater Pumps (23 53)

See CSI section 23 53 16 00-0001 for boiler feedwater units.

#### 23 53 16 Deaerators (23 53)

##### 23 53 16 00-0001 Boiler Feed System (23 53 16)

##### 23 53 16 00-0002 Low Pressure Boiler Feed System (23 53 16 00-0001)

Note: With deaerator includes pumps and accessories.

23 53 16 00-0003	EA		20 HP, 200 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System .....	5,921.55	1,262.31
23 53 16 00-0004	EA		34 HP, 340 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System .....	6,432.38	1,487.14
23 53 16 00-0005	EA		54 HP, 530 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System .....	6,890.97	1,539.24
23 53 16 00-0006	EA		67 HP, 660 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System .....	7,113.68	1,595.72
23 53 16 00-0007	EA		78 HP, 760 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System .....	7,532.75	1,705.39
23 53 16 00-0008	EA		104 HP, 1,020 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System .....	11,770.44	1,847.96
23 53 16 00-0009	EA		158 HP, 1,550 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System .....	13,245.79	1,974.09
23 53 16 00-0010	EA		219 HP, 2,150 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System .....	15,179.47	2,248.26
23 53 16 00-0011	EA		254 HP, 2,500 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System .....	16,685.28	2,412.77
23 53 16 00-0012	EA		305 HP, 3,000 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System .....	17,969.23	2,577.28

##### 23 53 16 00-0013 High Pressure Boiler Feed System (23 53 16 00-0001)

Note: With deaerator includes pumps and accessories.

23 53 16 00-0014	EA		10 HP, 100 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	8,004.00	1,076.21
23 53 16 00-0015	EA		20 HP, 200 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	8,382.73	1,262.31
23 53 16 00-0016	EA		34 HP, 340 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	9,357.07	1,487.14
23 53 16 00-0017	EA		54 HP, 530 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	10,090.58	1,539.24
23 53 16 00-0018	EA		67 HP, 660 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	10,275.24	1,595.72
23 53 16 00-0019	EA		78 HP, 760 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	12,336.31	1,705.39
23 53 16 00-0020	EA		104 HP, 1,020 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	15,933.88	1,847.96
23 53 16 00-0021	EA		158 HP, 1,550 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	16,372.21	1,974.09
23 53 16 00-0022	EA		183 HP, 1,800 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	17,988.51	2,114.03
23 53 16 00-0023	EA		219 HP, 2,150 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	19,348.36	2,248.26
23 53 16 00-0024	EA		254 HP, 2,500 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	20,698.28	2,412.77
23 53 16 00-0025	EA		305 HP, 3,000 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	22,327.41	2,577.28

##### 23 53 16 00-0026 Boiler Feedwater System (23 53 16)

Note: With deaerator includes pumps and accessories.

23 53 16 00-0027	EA		1,380 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories .....	10,045.42	1,487.14
23 53 16 00-0028	EA		2,600 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories .....	13,025.29	1,703.75
23 53 16 00-0029	EA		4,300 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories .....	17,101.63	1,949.96
23 53 16 00-0030	EA		6,900 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories .....	20,544.64	2,249.36
23 53 16 00-0031	EA		8,500 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories .....	21,811.48	2,412.77
23 53 16 00-0032	EA		11,000 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories .....	23,022.23	2,577.28
23 53 16 00-0033	EA		13,800 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories .....	25,654.56	2,961.24
23 53 16 00-0034	EA		17,250 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories .....	33,052.04	3,400.03
23 53 16 00-0035	EA		20,700 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories .....	42,766.76	3,928.66
23 53 16 00-0036	EA		27,600 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories .....	54,024.40	4,509.69
23 53 16 00-0037	EA		34,500 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories .....	69,043.47	5,188.56

##### 23 53 16 00-0038 Duplex Vacuum Condensate Pumps (23 53 16)

23 53 16 00-0039	EA		7 CFM, 15 GPM, 45 Gallon Duplex Vacuum Condensate Pump..... Note: Two 3/4 HP vacuum pumps rated for 7 CFM, two 3/4 HP condensate pumps rated for 15 GPM at 20 PSI and 45 GAL cast iron receiver. Skidmore JVC-7-45-102.	26,961.37	877.37
23 53 16 00-0040	EA		9 CFM, 30 GPM, 45 Gallon Duplex Vacuum Condensate Pump..... Note: Two 1 HP vacuum pumps rated for 9 CFM, two 3/4 HP condensate pumps rated for 30 GPM at 15 PSI and 45 GAL cast iron receiver. Skidmore JVC-9-45-201.5.	27,577.02	932.21
23 53 16 00-0041	EA		12 CFM, 45 GPM, 45 Gallon Duplex Vacuum Condensate Pump..... Note: Two 1-1/2 HP vacuum pumps rated for 12 CFM, two 1 HP condensate pumps rated for 45 GPM at 15 PSI and 45 GAL cast iron receiver. Skidmore JVC-12-45-301.5.	28,284.66	987.04

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 53 Heating Boiler Feedwater Equipment**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 53 16 00-0042	EA	18 CFM, 37.5 GPM, 65 Gallon Duplex Vacuum Condensate Pump ..... Note: Two 2 HP vacuum pumps rated for 18 CFM, two 1 HP condensate pumps rated for 37.5 GPM at 20 PSI and 65 GAL cast iron receiver. Skidmore JVC-18-65-252.	27,356.74	1,041.88
23 53 16 00-0043	EA	28 CFM, 60 GPM, 110 Gallon Duplex Vacuum Condensate Pump ..... Note: Two 3 HP vacuum pumps rated for 28 CFM, two 1-1/2 HP condensate pumps rated for 60 GPM at 20 PSI and 110 GAL cast iron receiver. Skidmore JVC-28-110-402.	37,059.53	1,096.72
23 53 16 00-0044	EA	42 CFM, 75 GPM, 110 Gallon Duplex Vacuum Condensate Pump ..... Note: Two 5 HP vacuum pumps rated for 42 CFM, two 2 HP condensate pumps rated for 75 GPM at 20 PSI and 110 GAL cast iron receiver. Skidmore JVC-42-110-502.	39,009.10	1,151.55

**23 54 Furnaces** (23 50)

Note: All units based on output. See CSI section 23 84 13 00-0000 for humidifiers.

**23 54 13 Electric-Resistance Furnaces** (23 54)**23 54 13 00-0001 Down Flow Multi-Speed Air Handler/Electric Furnace** (23 54 13)

23 54 13 00-0002	EA	Up To 2 Ton Down Flow Multi-Speed Air Handler/Electric Furnace..... Note: Excludes cooling equipment.	1,254.27	105.16
23 54 13 00-0003	EA	>2 To 3.5 Ton Down Flow Multi-Speed Air Handler/Electric Furnace ..... Note: Excludes cooling equipment.	1,662.74	131.45
23 54 13 00-0004	EA	>3.5 To 5 Ton Down Flow Multi-Speed Air Handler/Electric Furnace ..... Note: Excludes cooling equipment.	2,160.53	157.75

**23 54 13 00-0005 Up/Horizontal Flow Multi-Speed Air Handler/Electric Furnace** (23 54 13)

23 54 13 00-0006	EA	Up To 2 Ton Up/Horizontal Flow Multi-Speed Air Handler/Electric Furnace ..... Note: Excludes cooling equipment.	1,254.27	105.16
23 54 13 00-0007	EA	>2 To 2.5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace..... Note: Excludes cooling equipment.	1,505.96	118.30
23 54 13 00-0008	EA	>2.5 To 3 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace..... Note: Excludes cooling equipment.	1,644.13	131.45
23 54 13 00-0009	EA	>3 To 3.5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace..... Note: Excludes cooling equipment.	1,715.32	144.60
23 54 13 00-0010	EA	>3.5 To 5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace..... Note: Excludes cooling equipment.	2,160.53	157.75

**23 54 13 00-0011 Heating Coil For Air Handler/Electric Furnace** (23 54 13)

23 54 13 00-0012	EA	5 KW Heating Coil For Air Handler/Electric Furnace.....	210.91	27.15
23 54 13 00-0013	EA	7 KW Heating Coil For Air Handler/Electric Furnace.....	242.22	29.86
23 54 13 00-0014	EA	10 KW Heating Coil For Air Handler/Electric Furnace.....	262.39	32.57
23 54 13 00-0015	EA	15 KW Heating Coil For Air Handler/Electric Furnace.....	366.29	35.28
23 54 13 00-0016	EA	20 KW Heating Coil For Air Handler/Electric Furnace.....	395.75	38.00

**23 54 16 Fuel-Fired Furnaces** (23 54)**23 54 16 13 Gas-Fired Furnaces** (23 54 16)**23 54 16 13-0001 Natural Gas Fired Forced Air Furnaces** (23 54 16 13)

Note: Excludes flue, condenser, evaporator coil, piping, thermostat, ductwork and electrical connections.

**23 54 16 13-0002 Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace** (23 54 16 13-0001)

23 54 16 13-0003	EA	40 MBH, 800 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	2,027.89	92.01
23 54 16 13-0004	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	2,154.90	105.16
23 54 16 13-0005	EA	80 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	2,488.46	118.30
23 54 16 13-0006	EA	100 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	2,904.37	144.60
23 54 16 13-0007	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	3,096.51	157.75

**23 54 16 13-0008 Up/Horizontal Flow Variable Speed, Two Stage 95% AFUE Gas Furnace** (23 54 16 13-0001)

23 54 16 13-0009	EA	40 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace ..... Note: Blower cooling capacity up to 3 tons.	2,266.06	92.01
23 54 16 13-0010	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace ..... Note: Blower cooling capacity up to 3 tons.	2,478.68	105.16
23 54 16 13-0011	EA	80 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace ..... Note: Blower cooling capacity up to 3 tons.	2,623.87	118.30
23 54 16 13-0012	EA	80 MBH, 1,600 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace ..... Note: Blower cooling capacity up to 3.5 tons.	2,543.07	131.45
23 54 16 13-0013	EA	100 MBH, 2,000 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace ..... Note: Blower cooling capacity up to 5 tons.	3,092.31	144.60
23 54 16 13-0014	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace ..... Note: Blower cooling capacity up to 5 tons.	3,256.54	157.75

**23 54 16 13-0015 Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace** (23 54 16 13-0001)

23 54 16 13-0016	EA	45 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace ..... Note: Blower cooling capacity up to 4 tons.	1,986.86	92.01
23 54 16 13-0017	EA	70 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace ..... Note: Blower cooling capacity up to 4 tons.	2,281.36	105.16

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 54 16 13-0018	EA		90 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	2,460.95	131.45
23 54 16 13-0019	EA		90 MBH, 2,000 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	2,625.18	144.60
<b>23 54 16 13-0020</b>			<b>Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace</b> (23 54 16 13-0001)		
23 54 16 13-0021	EA		40 MBH, 1,200 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	2,630.77	92.01
23 54 16 13-0022	EA		60 MBH, 1,200 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	2,765.24	105.16
23 54 16 13-0023	EA		80 MBH, 1,600 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	3,078.33	118.30
23 54 16 13-0024	EA		100 MBH, 2,000 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	3,350.96	144.60
23 54 16 13-0025	EA		120 MBH, 2,000 CFM Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	3,589.62	157.75
<b>23 54 16 13-0026</b>			<b>Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace</b> (23 54 16 13-0001)		
23 54 16 13-0027	EA		40 MBH, 800 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	1,800.86	92.01
23 54 16 13-0028	EA		60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	1,892.52	105.16
23 54 16 13-0029	EA		80 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	2,110.72	118.30
23 54 16 13-0030	EA		80 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	2,129.32	118.30
23 54 16 13-0031	EA		80 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	2,321.46	131.45
23 54 16 13-0032	EA		100 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	2,442.89	144.60
23 54 16 13-0033	EA		120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	2,586.65	157.75
<b>23 54 16 13-0034</b>			<b>Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace</b> (23 54 16 13-0001)		
23 54 16 13-0035	EA		40 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	1,229.59	92.01
23 54 16 13-0036	EA		60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	1,341.73	105.16
23 54 16 13-0037	EA		60 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	1,535.73	118.30
23 54 16 13-0038	EA		80 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	1,537.59	118.30
23 54 16 13-0039	EA		80 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	1,686.93	131.45
23 54 16 13-0040	EA		100 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	1,724.62	144.60
23 54 16 13-0041	EA		120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	1,918.63	157.75
<b>23 54 16 13-0042</b>			<b>Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace</b> (23 54 16 13-0001)		
23 54 16 13-0043	EA		40 MBH, 1,200 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	1,248.20	92.01
23 54 16 13-0044	EA		60 MBH, 1,200 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	1,347.31	105.16
23 54 16 13-0045	EA		80 MBH, 1,600 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	1,619.46	118.30
23 54 16 13-0046	EA		100 MBH, 2,000 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	1,781.83	131.45
<b>23 54 16 13-0047</b>			<b>75% AFUE Gas Wall/Recessed Furnace</b> (23 54 16 13-0001)		
23 54 16 13-0048	EA		35 MBH 75% AFUE Electronic Ignition Gas Wall/Recessed Furnace.....	2,178.06	78.87
23 54 16 13-0049	EA		55 MBH 75% AFUE Electronic Ignition Gas Wall/Recessed Furnace.....	2,508.13	98.64
23 54 16 13-0050	EA		35 MBH 75% AFUE Gas Wall/Recessed Furnace.....	1,964.07	78.87
23 54 16 13-0051	EA		40 MBH 75% AFUE Gas Wall/Recessed Furnace.....	2,098.27	85.49
23 54 16 13-0052	EA		50 MBH 75% AFUE Gas Wall/Recessed Furnace.....	2,074.32	92.01
23 54 16 13-0053	EA		65 MBH 75% AFUE Gas Wall/Recessed Furnace.....	2,134.20	98.64
23 54 16 13-0054	EA		75 MBH 75% AFUE Gas Wall/Recessed Furnace.....	2,212.49	98.64
<b>23 54 16 13-0055</b>			<b>Gas Fired Indoor Duct Furnace</b> (23 54 16 13-0001) Note: Includes burner, controls and electronic ignition.		
<b>23 54 16 13-0056</b>			<b>Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace</b> (23 54 16 13-0055)		
23 54 16 13-0057	EA		100 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	2,455.61	205.07
23 54 16 13-0058	EA		150 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	2,731.02	252.39
23 54 16 13-0059	EA		200 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	3,086.22	362.81
23 54 16 13-0060	EA		250 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	3,480.73	410.13
23 54 16 13-0061	EA		300 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	4,057.85	473.23
23 54 16 13-0062	EA		350 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	4,450.64	567.87
23 54 16 13-0063	EA		400 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	5,057.57	757.17

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 54 Furnaces**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

<b>23 54 16 13-0064</b>	<b>Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace</b> <small>(23 54 16 13-0065)</small>		
	Note: Includes burner, controls and electronic ignition.		
23 54 16 13-0065	EA 100 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace .....	2,754.83	205.07
23 54 16 13-0066	EA 150 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace .....	3,025.77	252.39
23 54 16 13-0067	EA 200 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace .....	3,491.13	362.81
23 54 16 13-0068	EA 250 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace .....	3,958.59	410.13
23 54 16 13-0069	EA 300 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace .....	4,882.56	473.23
23 54 16 13-0070	EA 350 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace .....	5,345.31	567.87
23 54 16 13-0071	EA 400 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace .....	5,903.12	757.17

**23 54 16 16 Oil-Fired Furnaces** (23 54 16)

<b>23 54 16 16-0001</b>	<b>Oil Fired Forced Air Furnaces</b> <small>(23 54 16 16)</small>		
	Note: Excludes flue, condenser, evaporator coil, piping, thermostat, ductwork and electrical connections.		
<b>23 54 16 16-0002</b>	<b>Up Flow Single Speed, One Stage 81% AFUE Oil Furnace</b> <small>(23 54 16 16-0001)</small>		
23 54 16 16-0003	EA 72 MBH, 1,220 CFM Up Flow Single Speed, One Stage 84% AFUE Oil Furnace.....	3,531.89	105.16
	Note: Blower cooling capacity up to 3 tons.		
23 54 16 16-0004	EA 95 MBH, 1,590 CFM Up Flow Single Speed, One Stage 83% AFUE Oil Furnace.....	3,730.57	144.60
	Note: Blower cooling capacity up to 4 tons.		
23 54 16 16-0005	EA 126 MBH, 1,835 CFM Up Flow Single Speed, One Stage 83% AFUE Oil Furnace.....	4,302.79	170.89
	Note: Blower cooling capacity up to 5 tons.		
<b>23 54 16 16-0006</b>	<b>Down/Horizontal Flow Single Speed, One Stage 81% AFUE Oil Furnace</b> <small>(23 54 16 16-0001)</small>		
23 54 16 16-0007	EA 95 MBH, 1,210 CFM Down/Horizontal Flow Single Speed, One Stage 83% AFUE Oil Furnace .....	4,076.68	144.60
	Note: Blower cooling capacity up to 3 tons.		
23 54 16 16-0008	EA 126 MBH, 2,005 CFM Down/Horizontal Flow Single Speed, One Stage 84% AFUE Oil Furnace .....	4,092.52	170.89
	Note: Blower cooling capacity up to 5 tons.		
<b>23 54 16 16-0009</b>	<b>Up Flow Lowboy Single Speed, One Stage 81% AFUE Oil Furnace</b> <small>(23 54 16 16-0001)</small>		
23 54 16 16-0010	EA 95 MBH, 1,550 CFM Up Flow Lowboy Single Speed, One Stage 83% AFUE Oil Furnace .....	3,510.99	144.60
	Note: Blower cooling capacity up to 4 tons.		
23 54 16 16-0011	EA 127 MBH, 2,130 CFM Up Flow Lowboy Single Speed, One Stage 83% AFUE Oil Furnace .....	4,168.81	170.89
	Note: Blower cooling capacity up to 5 tons.		

**23 54 19 Furnace Accessories** (23 54)

23 54 19 00-0001	EA LP Gas Furnace Conversion Kit.....	178.06	26.29
23 54 19 00-0002	EA 1" Furnace External Filter Rack .....	53.82	
23 54 19 00-0003	EA Removal And Reinstallation Of Forced Air Furnace.....	486.86	
	Note: Includes storage and cleaning. Excludes ductwork.		

**23 55 Fuel-Fired Heaters** (23 50)**23 55 23 Gas-Fired Radiant Heaters** (23 55)**23 55 23 13 Low-Intensity Gas-Fired Radiant Heaters** (23 55 23)

<b>23 55 23 13-0001</b>	<b>Infrared Heaters-Radiant Energy</b> <small>(23 55 23 13)</small>		
	Note: For spot localized or total heating, ceiling hung units, no fan required.		
<b>23 55 23 13-0002</b>	<b>Gas Fired Electric Ignition Infrared Gas Heater</b> <small>(23 55 23 13-0001)</small>		
	Note: Ceramic combustion, surface chromized wire screen aluminized steel housing and polished aluminum reflector.		
23 55 23 13-0003	EA 15,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	802.46	109.67
23 55 23 13-0004	EA 37,500 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	894.73	120.64
23 55 23 13-0005	EA 50,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	951.99	120.64
23 55 23 13-0006	EA 75,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	1,190.11	144.77
23 55 23 13-0007	EA 100,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	1,199.76	144.77

**23 55 23 13-0008 Rolled Steel Or Aluminum Housing Infrared Electric Heater** (23 55 23 13-0001)

Note: Anodized aluminum reflector and quartz/tungsten tubular element with an inner heavy-duty coiled element.

23 55 23 13-0009	EA 1,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required.....	897.02	115.67
	For Stainless Steel Housing, Add	136.62	
23 55 23 13-0010	EA 3,200 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required.....	955.87	115.67
	For Stainless Steel Housing, Add	151.33	
23 55 23 13-0011	EA 5,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required.....	1,023.13	115.67
	For Stainless Steel Housing, Add	168.15	
23 55 23 13-0012	EA 7,300 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required.....	1,103.99	115.67
	For Stainless Steel Housing, Add	188.36	
23 55 23 13-0013	EA 10,950 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required.....	1,202.38	126.19
	For Stainless Steel Housing, Add	209.89	
23 55 23 13-0014	EA 13,500 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required.....	1,283.08	136.71
	For Stainless Steel Housing, Add	226.04	
23 55 23 13-0015	EA 24,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required.....	2,035.58	147.23
	For Stainless Steel Housing, Add	403.63	

**23 55 23 13-0016 Gas Fired Tubular Infrared Heater** (23 55 23 13-0001)

Note: Per Tube Length. Includes controls and supports.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>23 55 23 13-0017</b>			<b>"U" Package</b> (23 55 23 13-0016)		
23 55 23 13-0018	LF		Up To 75 MBH Input Radiant Heater.....	76.85	5.48
23 55 23 13-0019	LF		76 To 105 MBH Input Radiant Heater.....	88.76	6.58
23 55 23 13-0020	LF		106 To 130 MBH Input Radiant Heater.....	108.22	7.68

<b>23 55 23 13-0021</b>			<b>"S" Straight Package</b> (23 55 23 13-0016)		
23 55 23 13-0022	LF		Up To 75 MBH Input Radiant Heater.....	62.58	4.38
23 55 23 13-0023	LF		76 To 105 MBH Input Radiant Heater.....	79.43	5.48
23 55 23 13-0024	LF		106 To 130 MBH Input Radiant Heater.....	96.29	6.58

**23 55 33 Fuel-Fired Unit Heaters** (23 55)

**23 55 33 13 Oil-Fired Unit Heaters** (23 55 33)

<b>23 55 33 13-0001</b>			<b>Oil Fired Unit Heater</b> (23 55 33 13)		
<b>23 55 33 13-0002</b>			<b>Horizontal Fan Propelled Oil Fired Unit Heater, 115 Volt</b> (23 55 33 13-0001)		
23 55 33 13-0003	EA		97 MBH Output, 2,000 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt .....	6,702.15	505.06
23 55 33 13-0004	EA		142 MBH Output, 3,200 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt .....	7,193.38	555.57
23 55 33 13-0005	EA		188 MBH Output, 3,200 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt .....	7,729.18	606.07

**23 55 33 16 Gas-Fired Unit Heaters** (23 55 33)

<b>23 55 33 16-0001</b>			<b>Gas Fired Unit Heaters</b> (23 55 33 16)		
<b>23 55 33 16-0002</b>			<b>Horizontal Fan Propelled Gas Fired Unit Heaters, 115 Volt</b> (23 55 33 16-0001)		
23 55 33 16-0003	EA		24.3 MBH Output, 30 MBH Input, 500 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt .....	1,694.29	189.40
23 55 33 16-0004	EA		36.5 MBH Output, 45 MBH Input, 750 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt .....	1,860.45	227.28
23 55 33 16-0005	EA		48.6 MBH Output, 60 MBH Input, 1,000 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt .....	1,888.00	227.28
23 55 33 16-0006	EA		60.8 MBH Output, 75 MBH Input, 1,250 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt .....	2,067.43	265.16
23 55 33 16-0007	EA		72.9 MBH Output, 90 MBH Input, 1,400 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt .....	2,277.69	303.04
23 55 33 16-0008	EA		81 MBH Output, 100 MBH Input, 1,600 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt .....	2,443.46	321.97
23 55 33 16-0009	EA		101.3 MBH Output, 125 MBH Input, 2,200 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt .....	2,512.94	321.97
23 55 33 16-0010	EA		121.5 MBH Output, 150 MBH Input, 2,400 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt .....	2,453.40	321.97
23 55 33 16-0011	EA		141.8 MBH Output, 175 MBH Input, 2,850 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt .....	2,904.78	340.92
23 55 33 16-0012	EA		162 MBH Output, 200 MBH Input, 3,200 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt .....	3,176.04	340.92
23 55 33 16-0013	EA		202.5 MBH Output, 250 MBH Input, 3,450 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt .....	3,400.98	378.80
23 55 33 16-0014	EA		243 MBH Output, 300 MBH Input, 5,000 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt .....	4,056.88	378.80
23 55 33 16-0015	EA		283.5 MBH Output, 350 MBH Input, 5,600 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt .....	4,566.32	378.80
23 55 33 16-0016	EA		324 MBH Output, 400 MBH Input, 5,800 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt .....	4,902.24	416.68

**23 55 33 16-0017 Removal And Reinstallation Of Unit Heaters** (23 55 33 16)

Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.

23 55 33 16-0018	EA		Removal And Reinstallation Of Up To 101.3 MBH Output Gas or Oil Unit Heater.....	630.61	
23 55 33 16-0019	EA		Removal And Reinstallation Of >101.3 MBH Output Gas or Oil Unit Heater .....	849.95	

**23 57 Heat Exchangers for HVAC** (23 50)

**23 57 13 Steam-To-Steam Heat Exchangers** (23 57)

<b>23 57 13 00-0001</b>			<b>Steam Generator Heat Exchanger</b> (23 57 13)		
Note: 35 PSI generated steam using 180 degree feed water; 400 degree F water to valve.					
23 57 13 00-0002	EA		75 LB/Hour Steam Generator Heat Exchanger, 35 PSI.....	18,184.94	1,754.74
23 57 13 00-0003	EA		300 LB/Hour Steam Generator Heat Exchanger, 35 PSI.....	24,448.63	1,864.42
23 57 13 00-0004	EA		525 LB/Hour Steam Generator Heat Exchanger, 35 PSI.....	32,937.76	2,312.95

**23 57 16 Steam-To-Water Heat Exchangers** (23 57)

**23 57 16 00-0001 Heat Exchanger, Hot Water 40 To 180 Degree By Steam 10 PSI** (23 57 16)

Note: Cast iron head steel shell 4 pass 3/4" outside diameter copper tubes. Excludes controls expansion tank and accessories.

23 57 16 00-0002	EA		8 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	2,113.17	274.18
For Bronze Head And Tube Sheet, Add				786.42	
For Copper Nickel Tubes, Add				174.76	
For Double Wall Tube Bundles, Add				262.14	
23 57 16 00-0003	EA		10 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	3,085.04	274.18
For Bronze Head And Tube Sheet, Add				1,190.86	
For Copper Nickel Tubes, Add				264.64	
For Double Wall Tube Bundles, Add				396.95	
23 57 16 00-0004	EA		40 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	4,642.70	383.85
For Bronze Head And Tube Sheet, Add				1,842.46	
For Copper Nickel Tubes, Add				409.44	
For Double Wall Tube Bundles, Add				614.15	
23 57 16 00-0005	EA		64 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	7,338.11	383.85
For Bronze Head And Tube Sheet, Add				2,808.63	
For Copper Nickel Tubes, Add				624.14	
For Double Wall Tube Bundles, Add				936.21	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 57 Heat Exchangers for HVAC**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 57 16 00-0006	EA	96 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	9,659.46	451.85
		<i>For Bronze Head And Tube Sheet, Add</i>	3,729.86	
		<i>For Copper Nickel Tubes, Add</i>	828.86	
		<i>For Double Wall Tube Bundles, Add</i>	1,243.29	
23 57 16 00-0007	EA	120 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	12,705.56	573.39
		<i>For Bronze Head And Tube Sheet, Add</i>	4,898.25	
		<i>For Copper Nickel Tubes, Add</i>	1,088.50	
		<i>For Double Wall Tube Bundles, Add</i>	1,632.75	
23 57 16 00-0008	EA	168 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	15,698.35	860.63
		<i>For Bronze Head And Tube Sheet, Add</i>	5,999.22	
		<i>For Copper Nickel Tubes, Add</i>	1,333.16	
		<i>For Double Wall Tube Bundles, Add</i>	1,999.74	
23 57 16 00-0009	EA	240 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	23,729.77	860.63
		<i>For Bronze Head And Tube Sheet, Add</i>	9,347.11	
		<i>For Copper Nickel Tubes, Add</i>	2,077.14	
		<i>For Double Wall Tube Bundles, Add</i>	3,115.70	

**23 57 19 Liquid-To-Liquid Heat Exchangers (23 57)****23 57 19 13 Plate-Type, Liquid-To-Liquid Heat Exchangers (23 57 19)****23 57 19 13-0001 Plate And Frame Heat Exchanger (23 57 19 13)**

23 57 19 13-0002	EA	8" W x 18-7/8"H Plate And Frame Heat Exchanger.....	3,330.10	274.18
23 57 19 13-0003	EA	8" W x 24-9/16"H Plate And Frame Heat Exchanger.....	4,415.66	274.18
23 57 19 13-0004	EA	11-3/16" W x 34-11/16"H Plate And Frame Heat Exchanger.....	5,882.23	329.02
23 57 19 13-0005	EA	16-3/4" W x 46-1/4"H Plate And Frame Heat Exchanger.....	7,972.58	356.44
23 57 19 13-0006	EA	16-1/2" W x 49-5/8"H Plate And Frame Heat Exchanger.....	8,718.91	356.44
23 57 19 13-0007	EA	24" W x 57-11/16"H Plate And Frame Heat Exchanger.....	11,352.01	383.85
23 57 19 13-0008	EA	26-5/16" W x 56-5/8"H Plate And Frame Heat Exchanger.....	11,962.64	383.85
23 57 19 13-0009	EA	24-1/4" W x 68-3/8"H Plate And Frame Heat Exchanger.....	14,786.13	438.69
23 57 19 13-0010	EA	24" W x 69-11/16"H Plate And Frame Heat Exchanger.....	18,084.56	493.52
23 57 19 13-0011	EA	26-5/16" W x 68-3/4"H Plate And Frame Heat Exchanger.....	18,763.04	493.52
23 57 19 13-0012	EA	24" W x 89-13/16"H Plate And Frame Heat Exchanger.....	23,233.84	580.92
23 57 19 13-0013	EA	26-5/16" W x 88-9/16"H Plate And Frame Heat Exchanger.....	28,033.50	638.91
23 57 19 13-0014	EA	40-13/16" W x 89-1/4"H Plate And Frame Heat Exchanger.....	32,358.09	696.90

**23 57 19 19 Copper Tube, Water-To-Water Heat Exchanger (23 57 19)****23 57 19 19-0001 Heat Exchanger Hot Water 40-140 Degree By Water At 200 Degree F (23 57 19)**

23 57 19 19-0002	EA	7 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	2,512.62	274.18
		<i>For Copper Nickel Tubes, Add</i>	214.70	
		<i>For Double Wall Tube Bundles, Add</i>	322.06	
23 57 19 19-0003	EA	16 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	3,484.49	274.18
		<i>For Copper Nickel Tubes, Add</i>	304.58	
		<i>For Double Wall Tube Bundles, Add</i>	456.87	
23 57 19 19-0004	EA	34 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	5,191.94	383.85
		<i>For Copper Nickel Tubes, Add</i>	464.36	
		<i>For Double Wall Tube Bundles, Add</i>	696.54	
23 57 19 19-0005	EA	55 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	7,421.91	383.85
		<i>For Copper Nickel Tubes, Add</i>	669.08	
		<i>For Double Wall Tube Bundles, Add</i>	1,003.62	
23 57 19 19-0006	EA	74 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	9,192.30	438.69
		<i>For Copper Nickel Tubes, Add</i>	823.86	
		<i>For Double Wall Tube Bundles, Add</i>	1,235.80	
23 57 19 19-0007	EA	86 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	12,239.15	438.69
		<i>For Copper Nickel Tubes, Add</i>	1,108.47	
		<i>For Double Wall Tube Bundles, Add</i>	1,662.71	
23 57 19 19-0008	EA	112 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	15,173.19	430.32
		<i>For Copper Nickel Tubes, Add</i>	1,378.10	
		<i>For Double Wall Tube Bundles, Add</i>	2,067.15	
23 57 19 19-0009	EA	126 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	18,866.83	430.32
		<i>For Copper Nickel Tubes, Add</i>	1,717.63	
		<i>For Double Wall Tube Bundles, Add</i>	2,576.45	
23 57 19 19-0010	EA	152 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	24,121.28	430.32
		<i>For Copper Nickel Tubes, Add</i>	2,196.97	
		<i>For Double Wall Tube Bundles, Add</i>	3,295.46	

**23 57 19 23 Refrigerant-To-Water Heat Exchanger (23 57 19)****23 57 19 23-0001 Heat Exchanger Refrigerant To Water (23 57 19 23)**

23 57 19 23-0002	EA	10 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube.....	2,842.07	219.35
		<i>For Copper Nickel Tubes, Add</i>	240.34	
		<i>For Double Wall Tube Bundles, Add</i>	360.51	
23 57 19 23-0003	EA	53 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube.....	7,528.30	365.54
		<i>For Copper Nickel Tubes, Add</i>	679.72	
		<i>For Double Wall Tube Bundles, Add</i>	1,019.57	
23 57 19 23-0004	EA	70 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube.....	10,140.84	476.85
		<i>For Copper Nickel Tubes, Add</i>	918.88	
		<i>For Double Wall Tube Bundles, Add</i>	1,378.32	
23 57 19 23-0005	EA	87 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube.....	10,891.53	577.20
		<i>For Copper Nickel Tubes, Add</i>	973.95	
		<i>For Double Wall Tube Bundles, Add</i>	1,460.93	
23 57 19 23-0006	EA	105 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube.....	13,139.95	683.45
		<i>For Copper Nickel Tubes, Add</i>	1,175.10	
		<i>For Double Wall Tube Bundles, Add</i>	1,762.65	









**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 60 Central Cooling Equipment**

**23 63 Refrigerant Condensers**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 63 13 00-0005	EA 12.5 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	9,327.75	1,066.70
	For >10 To 25, Deduct	-231.35	
	For >25 To 50, Deduct	-385.58	
	For >50, Deduct	-616.92	
	For Low Ambient Protection, 0 Degree F, Add	943.86	
	For Winter Start Control, Add	315.85	
23 63 13 00-0006	EA 15 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	11,072.85	1,111.15
	For >10 To 25, Deduct	-281.68	
	For >25 To 50, Deduct	-469.47	
	For >50, Deduct	-751.14	
	For Low Ambient Protection, 0 Degree F, Add	984.25	
	For Winter Start Control, Add	262.25	
23 63 13 00-0007	EA 20 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	14,241.75	1,333.37
	For >10 To 25, Deduct	-366.64	
	For >25 To 50, Deduct	-611.07	
	For >50, Deduct	-977.72	
	For Low Ambient Protection, 0 Degree F, Add	1,238.35	
	For Winter Start Control, Add	324.24	
23 63 13 00-0008	EA 25 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	16,178.38	1,434.38
	For >10 To 25, Deduct	-420.21	
	For >25 To 50, Deduct	-700.35	
	For >50, Deduct	-1,120.56	
	For Low Ambient Protection, 0 Degree F, Add	1,313.23	
	For Winter Start Control, Add	357.21	
23 63 13 00-0009	EA 30 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	18,530.89	1,565.70
	For >10 To 25, Deduct	-484.86	
	For >25 To 50, Deduct	-808.10	
	For >50, Deduct	-1,292.95	
	For Low Ambient Protection, 0 Degree F, Add	1,400.34	
	For Winter Start Control, Add	398.52	
23 63 13 00-0010	EA 40 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	25,415.22	1,858.05
	For >10 To 25, Deduct	-676.49	
	For >25 To 50, Deduct	-1,127.49	
	For >50, Deduct	-1,803.98	
	For Low Ambient Protection, 0 Degree F, Add	1,843.86	
	For Winter Start Control, Add	512.05	
23 63 13 00-0011	EA 50 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	30,885.19	2,335.83
	For >10 To 25, Deduct	-818.49	
	For >25 To 50, Deduct	-1,364.14	
	For >50, Deduct	-2,182.63	
	For Low Ambient Protection, 0 Degree F, Add	1,991.90	
	For Winter Start Control, Add	496.65	
23 63 13 00-0012	EA 60 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	35,529.80	2,578.05
	For >10 To 25, Deduct	-949.77	
	For >25 To 50, Deduct	-1,582.94	
	For >50, Deduct	-2,532.71	
	For Low Ambient Protection, 0 Degree F, Add	2,234.09	
	For Winter Start Control, Add	545.39	
23 63 13 00-0013	EA 80 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	45,906.87	2,819.15
	For >10 To 25, Deduct	-1,246.78	
	For >25 To 50, Deduct	-2,077.96	
	For >50, Deduct	-3,324.74	
	For Low Ambient Protection, 0 Degree F, Add	2,749.28	
	For Winter Start Control, Add	642.56	
23 63 13 00-0014	EA 100 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	63,196.26	2,538.34
	For >10 To 25, Deduct	-1,740.87	
	For >25 To 50, Deduct	-2,901.45	
	For >50, Deduct	-4,642.32	
	For Low Ambient Protection, 0 Degree F, Add	3,032.69	
	For Winter Start Control, Add	806.87	
23 63 13 00-0015	EA 120 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	77,686.27	2,624.39
	For >10 To 25, Deduct	-2,170.31	
	For >25 To 50, Deduct	-3,617.19	
	For >50, Deduct	-5,787.50	
	For Low Ambient Protection, 0 Degree F, Add	3,505.93	
23 63 13 00-0016	<b>Air Cooled Condensing Units</b> <small>(23 63 13)</small>		
	Note: Includes compressor(s), condenser, fan, motors, discharge/suction gauges, sight glass, fan cycling controls, standard oil hi/low safety control switches, standard controls and liquid line filter dryers, 14 SEER, 1 or 3 phase and equipment rigging. Higher SEER ratings can be obtained by oversizing evaporators. Excludes piping and power wiring.		
23 63 13 00-0017	EA 1.5 Ton, 14 SEER, Air Cooled Condensing Unit.....	1,938.07	341.83
	Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
	For >10 To 25, Deduct	-42.76	
	For >25 To 50, Deduct	-71.27	
	For >50, Deduct	-114.03	
	For 15 SEER, Add	342.08	
	For 16 SEER, Add	584.39	
	For 18 SEER, Add	1,225.78	
23 63 13 00-0018	EA 2 Ton, 14 SEER, Air Cooled Condensing Unit.....	2,085.85	380.00
	Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
	For >10 To 25, Deduct	-45.48	
	For >25 To 50, Deduct	-75.81	
	For >50, Deduct	-121.29	
	For 15 SEER, Add	363.87	
	For 16 SEER, Add	621.62	
	For 18 SEER, Add	1,303.88	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 63 13 00-0019	EA		2.5 Ton, 14 SEER, Air Cooled Condensing Unit..... Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. <i>For &gt;10 To 25, Deduct</i> <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50, Deduct</i> <i>For 15 SEER, Add</i> <i>For 16 SEER, Add</i> <i>For 18 SEER, Add</i>	2,215.18  -47.65 -79.42 -127.08 381.24 651.28 1,366.10	418.00
23 63 13 00-0020	EA		3 Ton, 14 SEER, Air Cooled Condensing Unit..... Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. <i>For &gt;10 To 25, Deduct</i> <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50, Deduct</i> <i>For 15 SEER, Add</i> <i>For 16 SEER, Add</i> <i>For 18 SEER, Add</i>	2,541.50  -55.74 -92.89 -148.63 445.88 761.72 1,597.75	455.77
23 63 13 00-0021	EA		3.5 Ton, 14 SEER, Air Cooled Condensing Unit..... Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. <i>For &gt;10 To 25, Deduct</i> <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50, Deduct</i> <i>For 15 SEER, Add</i> <i>For 16 SEER, Add</i> <i>For 18 SEER, Add</i>	2,692.36  -58.55 -97.59 -156.14 468.42 800.21 1,678.50	494.00
23 63 13 00-0022	EA		4 Ton, 14 SEER, Air Cooled Condensing Unit..... Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. <i>For &gt;10 To 25, Deduct</i> <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50, Deduct</i> <i>For 15 SEER, Add</i> <i>For 16 SEER, Add</i> <i>For 18 SEER, Add</i>	2,998.70  -66.03 -110.06 -176.09 528.26 902.45 1,892.95	532.00
23 63 13 00-0023	EA		5 Ton, 14 SEER, Air Cooled Condensing Unit..... Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. <i>For &gt;10 To 25, Deduct</i> <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50, Deduct</i> <i>For 15 SEER, Add</i> <i>For 16 SEER, Add</i> <i>For 18 SEER, Add</i>	3,381.15  -75.80 -126.33 -202.13 606.38 1,035.90 2,172.86	569.71

**23 63 13 00-0024 Removal And Reinstallation Of AC Condensing Unit <sup>(23 63 13)</sup>**

Note: Includes storage and cleaning.

23 63 13 00-0025	EA		Removal And Reinstallation Of Up To 5 Tons Air Cooled Condensing Unit.....	350.54	
23 63 13 00-0026	EA		Removal And Reinstallation Of 7.5 To 15 Tons Air Cooled Condensing Unit.....	1,314.53	
23 63 13 00-0027	EA		Removal And Reinstallation Of 20 To 40 Tons Air Cooled Condensing Unit.....	2,122.12	

**23 63 23 Water-Cooled Refrigerant Condensers <sup>(23 63)</sup>**
**23 63 23 00-0001 Water Cooled Condensers <sup>(23 63 23)</sup>**

Note: Steel shell and copper tube type. Includes equipment rigging.

23 63 23 00-0002	EA		15 Ton Water Cooled Condenser, Shell And Tube Type..... <i>For Saddle Legs, Add</i>	8,323.89 615.73	381.90
23 63 23 00-0003	EA		20 Ton Water Cooled Condenser, Shell And Tube Type..... <i>For Saddle Legs, Add</i>	10,824.95 798.78	513.08
23 63 23 00-0004	EA		25 Ton Water Cooled Condenser, Shell And Tube Type..... <i>For Saddle Legs, Add</i> <i>For Dual Compressor, Add</i>	14,159.16 1,048.40 659.37	641.35
23 63 23 00-0005	EA		30 Ton Water Cooled Condenser, Shell And Tube Type..... <i>For Saddle Legs, Add</i> <i>For Dual Compressor, Add</i>	14,885.94 1,089.38 685.15	780.30
23 63 23 00-0006	EA		40 Ton Water Cooled Condenser, Shell And Tube Type..... <i>For Saddle Legs, Add</i> <i>For Dual Compressor, Add</i>	17,796.23 1,294.63 814.23	997.98
23 63 23 00-0007	EA		50 Ton Water Cooled Condenser, Shell And Tube Type..... <i>For Saddle Legs, Add</i> <i>For Dual Compressor, Add</i>	20,325.96 1,480.72 931.27	1,122.36
23 63 23 00-0008	EA		60 Ton Water Cooled Condenser, Shell And Tube Type..... <i>For Saddle Legs, Add</i> <i>For Dual Compressor, Add</i>	24,717.18 1,810.51 1,138.69	1,282.69
23 63 23 00-0009	EA		75 Ton Water Cooled Condenser, Shell And Tube Type..... <i>For Saddle Legs, Add</i> <i>For Dual Compressor, Add</i>	30,495.19 2,244.11 1,411.39	1,496.47
23 63 23 00-0010	EA		100 Ton Water Cooled Condenser, Shell And Tube Type..... <i>For Saddle Legs, Add</i> <i>For Dual Compressor, Add</i>	33,574.94 2,436.72 1,532.53	1,930.85
23 63 23 00-0011	EA		150 Ton Water Cooled Condenser, Shell And Tube Type..... <i>For Saddle Legs, Add</i> <i>For Dual Compressor, Add</i>	48,450.41 3,574.49 2,248.11	2,302.04

**23 64 Packaged Water Chillers <sup>(23 60)</sup>**

See CSI section 26 29 23 00-0000 for variable frequency motor controllers.

**23 64 13 Absorption Water Chillers <sup>(23 64)</sup>**
**23 64 13 16 Indirect-Fired Absorption Water Chillers <sup>(23 64 13)</sup>**

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 60 Central Cooling Equipment**

**23 64 Packaged Water Chillers**



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

Code	Description	Total Direct Unit Cost	Demolition Unit Cost
23 64 13 16-0001	<b>Packaged, Steam Driven, Water Cooled Absorption Chillers</b> (23 64 13 16) Note: Includes refrigerant monitor with scanner, audible alarm, and lights, 460 voltage motor rating, and all accessories, controls (water temperature controller with PE switches, flow switch, etc.) factory wired and installed control panel, and also includes start-up. Price includes closed transition starter. (rated by cooling capacity in tons). Units are factory assembled package type consisting of motor, cooler, condenser, internal piping and wiring, motor starters, insulation, purge unit, controls, gauges, lubrication system, refrigerant charge, oil, phase monitoring for 3 phase units, start-up costs and equipment rigging. Exclude piping and power wiring.		
23 64 13 16-0002 EA	50 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller ..... <i>For Two Stage Unit, Add</i>	190,571.22 124,481.23	11,148.27
23 64 13 16-0003 EA	100 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller ..... <i>For Two Stage Unit, Add</i>	240,537.86 158,111.69	12,831.01
23 64 13 16-0004 EA	150 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller ..... <i>For Two Stage Unit, Add</i>	304,762.42 202,299.02	13,793.34
23 64 13 16-0005 EA	200 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller ..... <i>For Two Stage Unit, Add</i>	338,473.27 225,126.76	14,755.66
23 64 13 16-0006 EA	250 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller ..... <i>For Two Stage Unit, Add</i>	377,895.95 252,380.47	15,183.36
23 64 13 16-0007 EA	300 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller ..... <i>For Two Stage Unit, Add</i>	425,584.97 285,335.09	15,717.99
23 64 13 16-0008 EA	350 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller ..... <i>For Two Stage Unit, Add</i>	456,321.35 306,422.85	16,252.61
23 64 13 16-0009 EA	400 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller ..... <i>For Two Stage Unit, Add</i>	542,795.37 366,270.35	17,108.01
23 64 13 16-0010 EA	500 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller ..... <i>For Two Stage Unit, Add</i>	607,437.05 411,091.82	17,642.64
23 64 13 16-0011 EA	650 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller ..... <i>For Two Stage Unit, Add</i>	735,651.15 500,413.99	18,177.26
23 64 13 16-0012 EA	750 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller ..... <i>For Two Stage Unit, Add</i>	797,551.57 542,717.81	19,460.37
23 64 13 16-0013 EA	850 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller ..... <i>For Two Stage Unit, Add</i>	855,000.04 581,990.79	20,636.55
23 64 13 16-0014 EA	950 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller ..... <i>For Two Stage Unit, Add</i>	916,860.06 624,282.50	21,899.42
23 64 13 16-0015 EA	1,125 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller ..... <i>For Two Stage Unit, Add</i>	1,049,418.15 716,603.13	22,433.56
23 64 13 16-0016 EA	1,250 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller ..... <i>For Two Stage Unit, Add</i>	1,149,352.85 785,574.62	23,715.48
23 64 13 16-0017 EA	1,450 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller ..... <i>For Two Stage Unit, Add</i>	1,342,206.67 919,717.67	24,783.73
23 64 13 16-0018 EA	1,700 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller ..... <i>For Two Stage Unit, Add</i>	1,568,748.57 1,077,698.78	25,531.53

**23 64 16 Centrifugal Water Chillers** (23 64)

**23 64 16 13 Air-Cooled Centrifugal Water Chillers** (23 64 16)

Code	Description	Total Direct Unit Cost	Demolition Unit Cost
23 64 16 13-0001	<b>Magnetic Bearing, Air Cooled Centrifugal Chillers</b> (23 64 16 13) Note: SMARTD air cooled oil-free centrifugal chiller with variable speed control, magnetic bearings, lowest ARI IPLV in industry. Includes start up, freight, R-134a refrigerant charge, BACnet or equivalent interface.		
23 64 16 13-0002 EA	85 Ton, Single Compressor, Magnetic Bearing, Air Cooled Centrifugal Chiller ..... <i>For 5 Year Parts Only Compressor Warranty, Add</i>	194,141.65 5,367.60	5,923.45
23 64 16 13-0003 EA	175 Ton, Two Compressor, Magnetic Bearing, Air Cooled Centrifugal Chiller ..... <i>For 5 Year Parts Only Compressor Warranty, Add</i>	275,469.87 10,735.20	7,944.00
23 64 16 13-0004 EA	240 Ton, Three Compressor, Magnetic Bearing, Air Cooled Centrifugal Chiller ..... <i>For 5 Year Parts Only Compressor Warranty, Add</i>	344,222.31 16,102.80	8,401.42

**23 64 16 16 Water-Cooled Centrifugal Water Chillers** (23 64 16)

Code	Description	Total Direct Unit Cost	Demolition Unit Cost
23 64 16 16-0001	<b>Packaged Water-Cooled Centrifugal Water Chillers</b> (23 64 16 16) Note: Includes integral heat exchanger, refrigerant monitor with scanner, audible alarm, and lights, 460 voltage motor rating, controls (water temperature controller with PE switches, flow switch, etc.), start-up, and closed transition starter. Rated by cooling capacity in tons. Units are factory assembled package type consisting of compressor, motor, cooler, condenser, internal piping and wiring, motor starters, insulation, purge unit, factory wired and installed control panel, gauges, lubrication system, refrigerant charge, oil, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.		
23 64 16 16-0002 EA	180 Ton Packaged Water-Cooled Centrifugal Water Chiller ..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	145,135.52 5,413.43	6,100.61
23 64 16 16-0003 EA	200 Ton Packaged Water-Cooled Centrifugal Water Chiller ..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	158,653.62 5,944.10	6,255.12
23 64 16 16-0004 EA	225 Ton Packaged Water-Cooled Centrifugal Water Chiller ..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	174,991.84 6,587.54	6,414.11
23 64 16 16-0005 EA	250 Ton Packaged Water-Cooled Centrifugal Water Chiller ..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	190,937.80 7,208.86	6,671.27
23 64 16 16-0006 EA	275 Ton Packaged Water-Cooled Centrifugal Water Chiller ..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	206,522.83 7,808.05	7,047.97
23 64 16 16-0007 EA	300 Ton Packaged Water-Cooled Centrifugal Water Chiller ..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	221,538.14 8,385.13	7,414.40
23 64 16 16-0008 EA	325 Ton Packaged Water-Cooled Centrifugal Water Chiller ..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	236,063.30 8,940.01	7,820.93

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 16 16-0009 EA 350 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	250,003.56 9,472.84	8,206.61
23 64 16 16-0010 EA 375 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	263,334.54 9,983.48	8,558.29
23 64 16 16-0011 EA 400 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	275,993.60 10,472.00	8,835.97
23 64 16 16-0012 EA 425 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	288,356.60 10,938.40	9,273.72
23 64 16 16-0013 EA 450 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	300,038.25 11,382.67	9,631.49
23 64 16 16-0014 EA 475 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	311,159.37 11,804.82	9,984.67
23 64 16 16-0015 EA 500 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	321,599.54 12,204.85	10,258.18
23 64 16 16-0016 EA 550 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	340,524.59 12,938.48	10,621.94
23 64 16 16-0017 EA 600 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	357,024.04 13,583.62	10,852.89
23 64 16 16-0018 EA 650 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	371,800.43 14,140.21	11,389.34
23 64 16 16-0019 EA 700 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	384,377.57 14,608.31	11,933.91
23 64 16 16-0020 EA 750 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	394,833.59 14,988.05	12,533.01
23 64 16 16-0021 EA 800 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	419,384.88 15,931.25	13,137.67
23 64 16 16-0022 EA 850 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	443,762.77 16,867.64	13,740.41
23 64 16 16-0023 EA 900 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	468,060.29 17,797.10	14,400.99
23 64 16 16-0024 EA 950 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	492,289.92 18,719.55	15,128.30
23 64 16 16-0025 EA 1,000 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	516,038.57 19,635.00	15,834.04
23 64 16 16-0026 EA 1,100 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	559,878.56 21,233.75	18,270.10
23 64 16 16-0027 EA 1,200 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	602,073.93 22,766.26	20,713.11
23 64 16 16-0028 EA 1,300 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	641,872.55 24,232.40	22,692.08
23 64 16 16-0029 EA 1,400 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	678,803.26 25,632.18	23,910.54
23 64 16 16-0030 EA 1,500 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	714,006.85 26,965.40	25,089.16
23 64 16 16-0031 EA 1,600 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	746,850.18 28,232.90	25,816.44
23 64 16 16-0032 EA 1,700 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	779,736.12 29,433.85	27,617.53
23 64 16 16-0033 EA 1,800 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	810,241.47 30,568.42	28,964.72
23 64 16 16-0034 EA 1,900 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	839,724.45 31,636.63	30,712.61
23 64 16 16-0035 EA 2,000 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	866,516.96 32,638.61	31,809.51
23 64 16 16-0036 EA 2,250 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	922,805.14 34,853.37	33,610.07
23 64 16 16-0037 EA 2,500 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	972,958.94 36,653.64	35,626.63

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 60 Central Cooling Equipment

23 64 Packaged Water Chillers



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

Table with columns: Item ID, Description, Unit Cost, Demolition Cost. Includes sub-section 23 64 16 16-0038 Magnetic Bearing, Water Cooled Centrifugal Water Chillers with detailed line items for various tonnage chillers and their accessories.

23 64 23 Scroll Water Chillers (23 64)

23 64 23 13 Air-Cooled Scroll Water Chillers (23 64 23)

Table with columns: Item ID, Description, Unit Cost, Demolition Cost. Includes sub-section 23 64 23 13-0001 Packaged Air Cooled Scroll Water Chillers with detailed line items for various tonnage air-cooled scroll chillers.

23 64 23 16 Water-Cooled Scroll Water Chillers (23 64 23)

Table with columns: Item ID, Description, Unit Cost, Demolition Cost. Includes sub-section 23 64 23 16-0001 Packaged Water Cooled Scroll Water Chillers with detailed line items for various tonnage water-cooled scroll chillers.



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 64 23 16-0006	EA		50 Ton Packaged Water Cooled Scroll Water Chiller .....	45,449.86	3,118.22
23 64 23 16-0007	EA		60 Ton Packaged Water Cooled Scroll Water Chiller .....	47,805.63	3,445.24

**23 64 26 Rotary-Screw Water Chillers (23 64)**
**23 64 26 13 Air-Cooled, Rotary-Screw Water Chillers (23 64 26)**
**23 64 26 13-0001 Packaged Air Cooled Rotary-Screw Water Chillers (23 64 26 13)**

Note: Includes hermetic direct-drive compressors start-up, coil guards, copper fins, copper tubes, factory wired and installed control panel, refrigerant monitor with scanner, audible alarm, and lights, phase monitoring for 3 phase units, 440/460 voltage motor rating, motor starters, factory charge of refrigerant and equipment rigging. Units greater than 20 tons include dual compressors. Excludes crane and associated personnel. See CSI section 01 22 23 00-0800 for crane lifting equipment.

23 64 26 13-0002	EA		70 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	97,795.47	3,920.13
			<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,378.81	
			<i>For 208/230 Voltage Motor Rating, Add</i>	3,676.82	
23 64 26 13-0003	EA		80 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	105,103.35	4,257.89
			<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,480.90	
			<i>For 208/230 Voltage Motor Rating, Add</i>	3,949.07	
23 64 26 13-0004	EA		90 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	110,561.53	4,442.13
			<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,558.48	
			<i>For 208/230 Voltage Motor Rating, Add</i>	4,155.93	
23 64 26 13-0005	EA		100 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	114,640.88	4,779.89
			<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,612.14	
			<i>For 208/230 Voltage Motor Rating, Add</i>	4,299.05	
23 64 26 13-0006	EA		110 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	123,039.69	5,015.30
			<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,732.90	
			<i>For 208/230 Voltage Motor Rating, Add</i>	4,621.08	
23 64 26 13-0007	EA		120 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	130,759.32	5,117.66
			<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,846.24	
			<i>For 208/230 Voltage Motor Rating, Add</i>	4,923.31	
23 64 26 13-0008	EA		130 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	138,035.09	5,291.66
			<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,951.54	
			<i>For 208/230 Voltage Motor Rating, Add</i>	5,204.11	
23 64 26 13-0009	EA		140 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	142,451.57	5,404.24
			<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-2,015.18	
			<i>For 208/230 Voltage Motor Rating, Add</i>	5,373.81	
23 64 26 13-0010	EA		160 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	150,428.20	5,516.83
			<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-2,132.22	
			<i>For 208/230 Voltage Motor Rating, Add</i>	5,685.91	
23 64 26 13-0011	EA		170 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	157,023.05	5,690.83
			<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-2,227.30	
			<i>For 208/230 Voltage Motor Rating, Add</i>	5,939.47	
23 64 26 13-0012	EA		180 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	165,584.16	5,916.01
			<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-2,350.65	
			<i>For 208/230 Voltage Motor Rating, Add</i>	6,268.41	
23 64 26 13-0013	EA		200 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	173,090.58	6,038.83
			<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-2,460.64	
			<i>For 208/230 Voltage Motor Rating, Add</i>	6,561.70	
23 64 26 13-0014	EA		215 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	185,557.53	6,141.19
			<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-2,645.19	
			<i>For 208/230 Voltage Motor Rating, Add</i>	7,053.83	
23 64 26 13-0015	EA		225 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	193,841.55	6,202.60
			<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-2,768.22	
			<i>For 208/230 Voltage Motor Rating, Add</i>	7,381.92	
23 64 26 13-0016	EA		240 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	202,125.56	6,253.78
			<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-2,891.25	
			<i>For 208/230 Voltage Motor Rating, Add</i>	7,710.00	
23 64 26 13-0017	EA		260 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	226,916.17	6,376.60
			<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-3,260.35	
			<i>For 208/230 Voltage Motor Rating, Add</i>	8,694.26	
23 64 26 13-0018	EA		280 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	239,393.37	6,499.43
			<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-3,444.89	
			<i>For 208/230 Voltage Motor Rating, Add</i>	9,186.38	
23 64 26 13-0019	EA		300 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	255,961.39	6,601.78
			<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-3,690.96	
			<i>For 208/230 Voltage Motor Rating, Add</i>	9,842.55	
23 64 26 13-0020	EA		325 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	280,731.54	6,714.36
			<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-4,060.05	
			<i>For 208/230 Voltage Motor Rating, Add</i>	10,826.81	
23 64 26 13-0021	EA		350 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	306,067.50	6,796.25
			<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-4,438.10	
			<i>For 208/230 Voltage Motor Rating, Add</i>	11,834.93	

**23 64 26 16 Water-Cooled, Rotary-Screw Water Chillers (23 64 26)**
**23 64 26 16-0001 Packaged Water Cooled Helical Rotary Water Chillers (23 64 26 16)**

Note: Integral heat exchanger. Rated by cooling capacity in tons. Factory assembled package type includes semi-hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gages, lead-lag switch, compressor unloaders, removable core filter dryer, 3-valve by-pass, sight glass, internal wiring, motor starters, insulation, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, full factory refrigerant charge, vibration eliminators, NEMA 1 flow switches, wye-delta starter, extended warranty on compressor(s), start-up costs and equipment rigging. Excludes piping and power wiring.

23 64 26 16-0002	EA		70 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	78,267.81	4,811.62
23 64 26 16-0003	EA		80 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	85,036.44	4,998.74
23 64 26 16-0004	EA		90 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	90,910.02	5,132.40
23 64 26 16-0005	EA		100 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	95,993.75	5,348.93

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 60 Central Cooling Equipment**

**23 64 Packaged Water Chillers**



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 64 26 16-0006	EA	110 Ton Packaged Water Cooled Helical Rotary Water Chiller	101,066.19	5,495.95
23 64 26 16-0007	EA	125 Ton Packaged Water Cooled Helical Rotary Water Chiller	107,249.42	5,650.25
23 64 26 16-0008	EA	130 Ton Packaged Water Cooled Helical Rotary Water Chiller	118,687.74	5,808.17
23 64 26 16-0009	EA	150 Ton Packaged Water Cooled Helical Rotary Water Chiller	119,203.22	5,965.35
23 64 26 16-0010	EA	175 Ton Packaged Water Cooled Helical Rotary Water Chiller	128,148.03	6,113.01
23 64 26 16-0011	EA	190 Ton Packaged Water Cooled Helical Rotary Water Chiller	132,515.74	6,418.72
23 64 26 16-0012	EA	200 Ton Packaged Water Cooled Helical Rotary Water Chiller	135,354.61	6,728.26
23 64 26 16-0013	EA	210 Ton Packaged Water Cooled Helical Rotary Water Chiller	137,189.17	6,872.29
23 64 26 16-0014	EA	235 Ton Packaged Water Cooled Helical Rotary Water Chiller	149,105.00	7,022.62
23 64 26 16-0015	EA	255 Ton Packaged Water Cooled Helical Rotary Water Chiller	158,416.15	7,344.04
23 64 26 16-0016	EA	275 Ton Packaged Water Cooled Helical Rotary Water Chiller	167,225.36	7,641.29
23 64 26 16-0017	EA	300 Ton Packaged Water Cooled Helical Rotary Water Chiller	177,480.11	7,944.00
23 64 26 16-0018	EA	350 Ton Packaged Water Cooled Helical Rotary Water Chiller	194,833.37	8,648.10
23 64 26 16-0019	EA	400 Ton Packaged Water Cooled Helical Rotary Water Chiller	209,036.97	9,512.05
23 64 26 16-0020	EA	450 Ton Packaged Water Cooled Helical Rotary Water Chiller	220,106.64	10,463.68

**23 65 Cooling Towers (23 60)**

**23 65 13 Forced-Draft Cooling Towers (23 65)**

**23 65 13 16 Closed-Circuit, Forced-Draft Cooling Towers (23 65 13)**

**23 65 13 16-0001 Closed-Circuit, Forced-Draft Cooling Towers (23 65 13 16)**

**23 65 13 16-0002 Blow-Thru Centrifugal Fan Type Galvanized Cooling Towers (23 65 13 16-0001)**

Note: Including 2-speed motor internal piping, vibration switch, basin, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Rated by cooling capacity in tons. Design temperature 95 degree F in, 85 degree F out. Excludes crane and associated personnel.

23 65 13 16-0003	EA	50 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	18,005.53	1,699.06
		<i>For Stainless Steel Cooling Tower, Add</i>	<i>9,274.16</i>	
23 65 13 16-0004	EA	75 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	24,810.48	2,077.76
		<i>For Stainless Steel Cooling Tower, Add</i>	<i>13,025.51</i>	
23 65 13 16-0005	EA	100 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	31,115.86	2,610.01
		<i>For Stainless Steel Cooling Tower, Add</i>	<i>16,151.63</i>	
23 65 13 16-0006	EA	125 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	35,882.82	2,917.06
		<i>For Stainless Steel Cooling Tower, Add</i>	<i>18,717.03</i>	
23 65 13 16-0007	EA	150 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	41,008.52	3,285.54
		<i>For Stainless Steel Cooling Tower, Add</i>	<i>21,436.26</i>	
23 65 13 16-0008	EA	175 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	46,109.00	3,684.72
		<i>For Stainless Steel Cooling Tower, Add</i>	<i>24,115.79</i>	
23 65 13 16-0009	EA	200 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	51,746.63	4,104.36
		<i>For Stainless Steel Cooling Tower, Add</i>	<i>27,093.05</i>	
23 65 13 16-0010	EA	225 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	56,555.60	4,626.36
		<i>For Stainless Steel Cooling Tower, Add</i>	<i>29,474.86</i>	
23 65 13 16-0011	EA	250 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	61,618.99	5,138.13
		<i>For Stainless Steel Cooling Tower, Add</i>	<i>32,015.45</i>	
23 65 13 16-0012	EA	275 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	67,490.22	6,079.78
		<i>For Stainless Steel Cooling Tower, Add</i>	<i>34,635.44</i>	
23 65 13 16-0013	EA	300 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	73,351.39	6,734.84
		<i>For Stainless Steel Cooling Tower, Add</i>	<i>37,513.46</i>	
23 65 13 16-0014	EA	325 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	77,294.04	7,164.72
		<i>For Stainless Steel Cooling Tower, Add</i>	<i>39,498.29</i>	
23 65 13 16-0015	EA	350 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	81,907.73	7,584.37
		<i>For Stainless Steel Cooling Tower, Add</i>	<i>41,830.48</i>	
23 65 13 16-0016	EA	375 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	86,388.36	7,952.84
		<i>For Stainless Steel Cooling Tower, Add</i>	<i>44,162.67</i>	
23 65 13 16-0017	EA	400 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	91,520.36	8,321.32
		<i>For Stainless Steel Cooling Tower, Add</i>	<i>46,891.82</i>	
23 65 13 16-0018	EA	425 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	96,961.06	8,771.66
		<i>For Stainless Steel Cooling Tower, Add</i>	<i>49,720.22</i>	
23 65 13 16-0019	EA	450 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	103,135.83	9,222.02
		<i>For Stainless Steel Cooling Tower, Add</i>	<i>52,995.20</i>	
23 65 13 16-0020	EA	475 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	109,135.80	9,610.96
		<i>For Stainless Steel Cooling Tower, Add</i>	<i>56,220.56</i>	
23 65 13 16-0021	EA	500 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	115,145.99	9,999.90
		<i>For Stainless Steel Cooling Tower, Add</i>	<i>59,445.93</i>	
23 65 13 16-0022	EA	550 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	126,562.50	10,419.55
		<i>For Stainless Steel Cooling Tower, Add</i>	<i>65,896.66</i>	
23 65 13 16-0023	EA	600 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	138,971.43	10,828.96
		<i>For Stainless Steel Cooling Tower, Add</i>	<i>72,942.83</i>	
23 65 13 16-0024	EA	650 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	144,015.41	11,054.14
		<i>For Stainless Steel Cooling Tower, Add</i>	<i>75,920.09</i>	
23 65 13 16-0025	EA	700 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	150,051.79	11,197.44
		<i>For Stainless Steel Cooling Tower, Add</i>	<i>79,492.80</i>	
23 65 13 16-0026	EA	750 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	157,072.44	11,770.61
		<i>For Stainless Steel Cooling Tower, Add</i>	<i>83,164.75</i>	
23 65 13 16-0027	EA	800 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	165,250.88	12,343.79
		<i>For Stainless Steel Cooling Tower, Add</i>	<i>87,531.40</i>	
23 65 13 16-0028	EA	850 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	173,511.22	12,968.14
		<i>For Stainless Steel Cooling Tower, Add</i>	<i>91,898.05</i>	
23 65 13 16-0029	EA	900 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	183,094.78	13,592.50
		<i>For Stainless Steel Cooling Tower, Add</i>	<i>97,058.63</i>	
23 65 13 16-0030	EA	950 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	192,987.04	14,308.97
		<i>For Stainless Steel Cooling Tower, Add</i>	<i>102,318.45</i>	
23 65 13 16-0031	EA	1,000 Ton Centrifugal Type Cooling Tower	204,192.27	15,025.44
		<i>For Stainless Steel Cooling Tower, Add</i>	<i>108,372.21</i>	

**23 65 14 Induced-Draft Cooling Towers (23 65)**
**23 65 14 13 Open-Circuit, Induced-Draft Counterflow Cooling Towers (23 65 14)**
**23 65 14 13-0001 Galvanized Induced Draft Axial Single Flow Propeller Type Cooling Towers**

(23 65 14 13)

Note: Includes internal piping, fan, motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping or power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 78 degree F wet bulb. 3 GPM/ton. Excludes crane and associated personnel.

23 65 14 13-0002	EA	10 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower.....	9,187.50	1,146.36
		For Polymer Coating Over Galvanized Components, Add	1,120.19	
		For Stainless Steel Support Structure, Add	2,240.39	
23 65 14 13-0003	EA	20 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower.....	10,893.85	1,238.48
		For Polymer Coating Over Galvanized Components, Add	1,354.65	
		For Stainless Steel Support Structure, Add	2,709.31	
23 65 14 13-0004	EA	30 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower.....	13,029.43	1,392.00
		For Polymer Coating Over Galvanized Components, Add	1,641.21	
		For Stainless Steel Support Structure, Add	3,282.43	
23 65 14 13-0005	EA	40 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower.....	14,460.09	1,535.30
		For Polymer Coating Over Galvanized Components, Add	1,823.57	
		For Stainless Steel Support Structure, Add	3,647.14	
23 65 14 13-0006	EA	50 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower.....	17,137.17	1,699.06
		For Polymer Coating Over Galvanized Components, Add	2,188.29	
		For Stainless Steel Support Structure, Add	4,376.57	
23 65 14 13-0007	EA	60 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower.....	19,944.66	1,832.12
		For Polymer Coating Over Galvanized Components, Add	2,580.24	
		For Stainless Steel Support Structure, Add	5,160.48	
23 65 14 13-0008	EA	75 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower.....	22,900.07	2,077.76
		For Polymer Coating Over Galvanized Components, Add	2,969.82	
		For Stainless Steel Support Structure, Add	5,939.63	
23 65 14 13-0009	EA	100 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower.....	28,510.76	2,610.01
		For Polymer Coating Over Galvanized Components, Add	3,647.14	
		For Stainless Steel Support Structure, Add	7,294.28	
23 65 14 13-0010	EA	125 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower.....	31,086.13	2,917.06
		For Polymer Coating Over Galvanized Components, Add	3,959.75	
		For Stainless Steel Support Structure, Add	7,919.51	
23 65 14 13-0011	EA	150 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower.....	47,520.71	3,285.54
		For Polymer Coating Over Galvanized Components, Add	6,335.89	
		For Stainless Steel Support Structure, Add	12,671.79	
23 65 14 13-0012	EA	200 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower.....	57,498.53	4,104.36
		For Polymer Coating Over Galvanized Components, Add	7,636.05	
		For Stainless Steel Support Structure, Add	15,272.10	
23 65 14 13-0013	EA	300 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower.....	74,333.55	6,734.84
		For Polymer Coating Over Galvanized Components, Add	9,525.69	
		For Stainless Steel Support Structure, Add	19,051.38	

**23 65 14 13-0014 Galvanized Induced Draft Double Flow Propeller Type Packaged Cooling Towers**

(23 65 14 13)

Note: 3 GPM/ton draft. Includes internal piping, fan, 2-speed motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Excludes crane and associated personnel.

23 65 14 13-0015	EA	100 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower.....	28,510.76	2,610.01
		For Polymer Coating Over Galvanized Components, Add	3,647.14	
		For Stainless Steel Support Structure, Add	7,294.28	
23 65 14 13-0016	EA	150 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower.....	37,989.91	3,285.54
		For Polymer Coating Over Galvanized Components, Add	4,906.27	
		For Stainless Steel Support Structure, Add	9,812.55	
23 65 14 13-0017	EA	200 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower.....	48,273.16	4,104.36
		For Polymer Coating Over Galvanized Components, Add	6,252.24	
		For Stainless Steel Support Structure, Add	12,504.49	
23 65 14 13-0018	EA	250 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower.....	57,268.88	5,138.13
		For Polymer Coating Over Galvanized Components, Add	7,351.35	
		For Stainless Steel Support Structure, Add	14,702.69	
23 65 14 13-0019	EA	300 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower.....	68,033.67	6,734.84
		For Polymer Coating Over Galvanized Components, Add	8,580.71	
		For Stainless Steel Support Structure, Add	17,161.41	
23 65 14 13-0020	EA	350 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower.....	75,829.16	7,584.37
		For Polymer Coating Over Galvanized Components, Add	9,545.84	
		For Stainless Steel Support Structure, Add	19,091.67	
23 65 14 13-0021	EA	400 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower.....	84,573.42	8,321.32
		For Polymer Coating Over Galvanized Components, Add	10,680.92	
		For Stainless Steel Support Structure, Add	21,361.83	
23 65 14 13-0022	EA	450 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower.....	95,858.09	9,222.02
		For Polymer Coating Over Galvanized Components, Add	12,157.14	
		For Stainless Steel Support Structure, Add	24,314.28	
23 65 14 13-0023	EA	500 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower.....	108,116.35	9,999.90
		For Polymer Coating Over Galvanized Components, Add	13,807.04	
		For Stainless Steel Support Structure, Add	27,614.07	
23 65 14 13-0024	EA	550 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower.....	115,811.29	10,542.37
		For Polymer Coating Over Galvanized Components, Add	14,861.48	
		For Stainless Steel Support Structure, Add	29,722.97	
23 65 14 13-0025	EA	600 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower.....	124,129.80	10,828.96
		For Polymer Coating Over Galvanized Components, Add	16,009.46	
		For Stainless Steel Support Structure, Add	32,018.93	
23 65 14 13-0026	EA	700 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower.....	140,871.91	11,197.44
		For Polymer Coating Over Galvanized Components, Add	18,496.22	
		For Stainless Steel Support Structure, Add	36,992.44	
23 65 14 13-0027	EA	800 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower.....	154,499.66	12,343.79
		For Polymer Coating Over Galvanized Components, Add	20,270.17	
		For Stainless Steel Support Structure, Add	40,540.34	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 60 Central Cooling Equipment**

**23 65 Cooling Towers**



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 65 14 13-0028	EA	900 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	170,689.53	13,592.50
		<i>For Polymer Coating Over Galvanized Components, Add</i>	22,403.87	
		<i>For Stainless Steel Support Structure, Add</i>	44,807.74	

**23 65 14 14 Open-Circuit, Induced-Draft Crossflow Cooling Towers (23 65 14)**

**23 65 14 14-0001 Galvanized Induced Draft Crossflow Film Filled Propeller Type Cooling**

**Towers** (23 65 14 14)

Note: Includes fan, 2-speed motor, geared speed reducer, louvers, drift eliminators, hot water distribution system, cold water collection basin, float valve and access door, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Excludes crane and associated personnel. See CSI section 01 22 23 00-0800 for crane lifting equipment.

23 65 14 14-0002	EA	10 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	7,802.27	1,146.36
		<i>For Polymer Coating Over Galvanized Components, Add</i>	912.41	
		<i>For Stainless Steel Support Structure, Add</i>	1,824.82	
23 65 14 14-0003	EA	15 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	8,423.17	1,166.82
		<i>For Polymer Coating Over Galvanized Components, Add</i>	1,002.48	
		<i>For Stainless Steel Support Structure, Add</i>	2,004.95	
23 65 14 14-0004	EA	20 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	9,161.28	1,269.18
		<i>For Polymer Coating Over Galvanized Components, Add</i>	1,088.63	
		<i>For Stainless Steel Support Structure, Add</i>	2,177.25	
23 65 14 14-0005	EA	25 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	10,715.34	1,330.59
		<i>For Polymer Coating Over Galvanized Components, Add</i>	1,307.92	
		<i>For Stainless Steel Support Structure, Add</i>	2,615.84	
23 65 14 14-0006	EA	30 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	12,138.87	1,392.00
		<i>For Polymer Coating Over Galvanized Components, Add</i>	1,507.63	
		<i>For Stainless Steel Support Structure, Add</i>	3,015.26	
23 65 14 14-0007	EA	35 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	13,530.66	1,463.65
		<i>For Polymer Coating Over Galvanized Components, Add</i>	1,699.51	
		<i>For Stainless Steel Support Structure, Add</i>	3,399.02	
23 65 14 14-0008	EA	40 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	14,807.80	1,535.30
		<i>For Polymer Coating Over Galvanized Components, Add</i>	1,875.73	
		<i>For Stainless Steel Support Structure, Add</i>	3,751.46	
23 65 14 14-0009	EA	45 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	16,225.69	1,617.18
		<i>For Polymer Coating Over Galvanized Components, Add</i>	2,071.52	
		<i>For Stainless Steel Support Structure, Add</i>	4,143.05	
23 65 14 14-0010	EA	50 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	17,611.85	1,699.06
		<i>For Polymer Coating Over Galvanized Components, Add</i>	2,259.49	
		<i>For Stainless Steel Support Structure, Add</i>	4,518.98	
23 65 14 14-0011	EA	60 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	20,338.62	1,832.12
		<i>For Polymer Coating Over Galvanized Components, Add</i>	2,639.33	
		<i>For Stainless Steel Support Structure, Add</i>	5,278.67	
23 65 14 14-0012	EA	70 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	23,294.69	1,975.42
		<i>For Polymer Coating Over Galvanized Components, Add</i>	3,050.50	
		<i>For Stainless Steel Support Structure, Add</i>	6,101.01	
23 65 14 14-0013	EA	75 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	24,664.98	2,077.76
		<i>For Polymer Coating Over Galvanized Components, Add</i>	3,234.55	
		<i>For Stainless Steel Support Structure, Add</i>	6,469.10	
23 65 14 14-0014	EA	80 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	26,158.09	2,251.77
		<i>For Polymer Coating Over Galvanized Components, Add</i>	3,418.60	
		<i>For Stainless Steel Support Structure, Add</i>	6,837.20	
23 65 14 14-0015	EA	90 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	27,259.61	2,425.77
		<i>For Polymer Coating Over Galvanized Components, Add</i>	3,543.91	
		<i>For Stainless Steel Support Structure, Add</i>	7,087.82	
23 65 14 14-0016	EA	100 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	29,310.60	2,610.01
		<i>For Polymer Coating Over Galvanized Components, Add</i>	3,767.12	
		<i>For Stainless Steel Support Structure, Add</i>	7,534.24	
23 65 14 14-0017	EA	125 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	30,506.75	2,917.06
		<i>For Polymer Coating Over Galvanized Components, Add</i>	3,872.85	
		<i>For Stainless Steel Support Structure, Add</i>	7,745.69	
23 65 14 14-0018	EA	150 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	35,434.02	3,285.54
		<i>For Polymer Coating Over Galvanized Components, Add</i>	4,522.89	
		<i>For Stainless Steel Support Structure, Add</i>	9,045.78	
23 65 14 14-0019	EA	175 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	39,149.14	3,684.72
		<i>For Polymer Coating Over Galvanized Components, Add</i>	4,984.97	
		<i>For Stainless Steel Support Structure, Add</i>	9,969.94	
23 65 14 14-0020	EA	200 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	41,208.29	4,104.36
		<i>For Polymer Coating Over Galvanized Components, Add</i>	5,192.51	
		<i>For Stainless Steel Support Structure, Add</i>	10,385.03	
23 65 14 14-0021	EA	225 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	47,634.31	4,626.36
		<i>For Polymer Coating Over Galvanized Components, Add</i>	6,030.52	
		<i>For Stainless Steel Support Structure, Add</i>	12,061.04	
23 65 14 14-0022	EA	250 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	52,222.66	5,138.13
		<i>For Polymer Coating Over Galvanized Components, Add</i>	6,594.41	
		<i>For Stainless Steel Support Structure, Add</i>	13,188.83	
23 65 14 14-0023	EA	275 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	55,841.84	6,079.78
		<i>For Polymer Coating Over Galvanized Components, Add</i>	6,911.60	
		<i>For Stainless Steel Support Structure, Add</i>	13,823.21	
23 65 14 14-0024	EA	300 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	60,247.90	6,734.84
		<i>For Polymer Coating Over Galvanized Components, Add</i>	7,412.84	
		<i>For Stainless Steel Support Structure, Add</i>	14,825.68	
23 65 14 14-0025	EA	350 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	68,866.71	7,584.37
		<i>For Polymer Coating Over Galvanized Components, Add</i>	8,501.47	
		<i>For Stainless Steel Support Structure, Add</i>	17,002.94	
23 65 14 14-0026	EA	400 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	75,917.66	8,321.32
		<i>For Polymer Coating Over Galvanized Components, Add</i>	9,382.55	
		<i>For Stainless Steel Support Structure, Add</i>	18,765.10	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 14-0027	EA		450 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	83,913.48 10,365.45 20,730.89	9,222.02
23 65 14 14-0028	EA		500 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	91,437.90 11,305.27 22,610.54	9,999.90
23 65 14 14-0029	EA		600 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	104,516.26 13,067.43 26,134.87	10,828.96
23 65 14 14-0030	EA		700 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	117,237.07 14,950.99 29,901.98	11,197.44
23 65 14 14-0031	EA		800 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	131,047.32 16,752.32 33,504.63	12,343.79
23 65 14 14-0032	EA		900 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	144,447.00 18,467.49 36,934.98	13,592.50
23 65 14 14-0033	EA		1,000 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	157,574.79 20,100.43 40,200.86	15,025.44
23 65 14 14-0034	EA		1,100 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	172,468.85 22,164.12 44,328.24	15,752.15
23 65 14 14-0035	EA		1,200 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	186,831.61 24,157.33 48,314.65	16,427.69
23 65 14 14-0036	EA		1,300 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	198,727.81 25,610.13 51,220.27	17,840.15
23 65 14 14-0037	EA		1,400 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	210,239.55 26,980.71 53,961.41	19,354.98
23 65 14 14-0038	EA		1,500 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	221,336.15 28,269.05 56,538.09	20,951.68
23 65 14 14-0039	EA		1,600 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	231,576.40 29,467.32 58,934.63	22,394.87
23 65 14 14-0040	EA		1,700 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	241,580.08 30,579.44 61,158.88	24,042.75
23 65 14 14-0041	EA		1,800 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	251,444.89 31,609.33 63,218.65	25,946.54
23 65 14 14-0042	EA		1,900 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	260,699.13 32,549.15 65,098.30	27,850.29
23 65 14 14-0043	EA		2,000 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	270,490.05 33,406.74 66,813.47	30,450.07
<b>23 65 14 14-0044 Induced Draft Crossflow Stainless Steel Propeller Type Cooling Towers (23 65 14)</b>					
Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0800 for crane lifting equipment.					
23 65 14 14-0045	EA		100 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	78,587.16 3,719.53	2,610.01
23 65 14 14-0046	EA		125 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	89,072.51 4,219.24	2,896.60
23 65 14 14-0047	EA		150 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	97,346.70 4,603.26	3,285.54
23 65 14 14-0048	EA		200 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	108,218.56 5,081.35	4,104.36
23 65 14 14-0049	EA		250 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	122,580.07 5,716.01	5,138.13
23 65 14 14-0050	EA		300 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	140,740.01 6,495.55	6,734.84
23 65 14 14-0051	EA		350 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	153,333.92 7,057.18	7,584.37
23 65 14 14-0052	EA		400 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	165,743.58 7,618.81	8,321.32
23 65 14 14-0053	EA		500 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	191,304.28 8,761.74	9,999.90
23 65 14 14-0054	EA		600 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	216,081.25 9,934.06	10,828.96
23 65 14 14-0055	EA		750 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	267,597.52 12,407.52	11,770.61
23 65 14 14-0056	EA		1,000 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	347,333.81 16,188.09	15,025.44
<b>23 65 14 16 Closed-Circuit, Induced-Draft Counterflow Cooling Towers (23 65 14)</b>					
<b>23 65 14 16-0001 Stainless Steel Packaged Propeller Type Cooling Towers (23 65 14 16)</b>					
Note: Including internal piping, fan, motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping or power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 79 degree F wet Bulb. 3 GPM/ton.					

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 60 Central Cooling Equipment****23 65 Cooling Towers**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 65 14 16-0002		Draw-Thru Stainless Steel Propeller Type Cooling Towers <sup>(23 65 14 16-0001)</sup>		
Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0800 for crane lifting equipment.				
23 65 14 16-0003	EA	50 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	33,029.30	1,699.06
23 65 14 16-0004	EA	75 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	46,941.17	2,077.76
23 65 14 16-0005	EA	100 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	55,327.41	2,610.01
23 65 14 16-0006	EA	125 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	62,720.29	2,917.06
23 65 14 16-0007	EA	150 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	68,805.61	3,285.54
23 65 14 16-0008	EA	200 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	82,508.98	4,104.36
23 65 14 16-0009	EA	250 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	97,108.08	5,138.13
23 65 14 16-0010	EA	300 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	115,123.91	6,734.84
23 65 14 16-0011	EA	350 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	126,035.26	7,584.37
23 65 14 16-0012	EA	400 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	142,888.89	8,321.32
23 65 14 16-0013	EA	500 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	165,641.44	9,999.90
23 65 14 16-0014	EA	600 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	186,987.42	10,828.96
23 65 14 16-0015	EA	750 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	231,258.01	11,770.61
23 65 14 16-0016	EA	1,000 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	294,552.63	14,861.68

23 65 14 16-0017		Belt Driven Stainless Steel Propeller Type Cooling Towers <sup>(23 65 14 16-0001)</sup>		
Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0800 for crane lifting equipment.				
23 65 14 16-0018	EA	100 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower.....	57,629.24	2,610.01
23 65 14 16-0019	EA	125 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower.....	62,361.97	2,917.06
23 65 14 16-0020	EA	150 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower.....	67,200.95	3,285.54
23 65 14 16-0021	EA	200 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower.....	79,474.93	4,104.36
23 65 14 16-0022	EA	250 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower.....	87,608.66	5,138.13

23 65 14 16-0023		Fiberglass Packaged Draw-Thru Propeller Type Cooling Towers <sup>(23 65 14 16)</sup>		
Note: Includes internal piping, fan, 2-speed motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 78 degree F wet bulb. 3 GPM/ton. Excludes crane and associated personnel.				
23 65 14 16-0024	EA	5 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	3,921.40	1,064.47
23 65 14 16-0025	EA	8 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	4,127.61	1,115.65
23 65 14 16-0026	EA	10 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	4,777.69	1,146.36
23 65 14 16-0027	EA	15 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	5,382.43	1,166.82
23 65 14 16-0028	EA	20 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	7,013.12	1,269.18
23 65 14 16-0029	EA	25 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	7,416.02	1,330.59
23 65 14 16-0030	EA	30 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	8,365.91	1,392.00
23 65 14 16-0031	EA	40 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	9,637.53	1,535.30
23 65 14 16-0032	EA	50 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	10,753.39	1,699.06
23 65 14 16-0033	EA	60 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	12,041.83	1,832.12
23 65 14 16-0034	EA	70 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	13,872.86	1,975.42
23 65 14 16-0035	EA	80 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	15,115.19	2,251.77
23 65 14 16-0036	EA	100 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	18,306.81	2,610.01
23 65 14 16-0037	EA	125 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	22,589.13	2,917.06
23 65 14 16-0038	EA	150 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	25,370.72	3,285.54
23 65 14 16-0039	EA	175 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	30,766.58	3,684.72
23 65 14 16-0040	EA	200 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	34,313.78	4,104.36
23 65 14 16-0041	EA	225 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	37,937.74	4,626.36
23 65 14 16-0042	EA	250 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	41,402.28	5,138.13
23 65 14 16-0043	EA	300 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	49,677.40	6,734.84
23 65 14 16-0044	EA	350 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	56,446.40	7,584.37
23 65 14 16-0045	EA	400 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	62,720.38	8,321.32
23 65 14 16-0046	EA	500 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	76,237.90	9,999.90
23 65 14 16-0047	EA	600 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	87,016.44	10,828.96
23 65 14 16-0048	EA	700 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	91,772.75	8,321.32
23 65 14 16-0049	EA	800 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	105,341.46	12,343.79
23 65 14 16-0050	EA	1,000 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	119,905.96	10,286.49

**23 65 43 Cooling Tower Basins and Accessories <sup>(23 65)</sup>**

23 65 43 00-0001		Fiberglass Cooling Tower Remote Sump Basins <sup>(23 65 43)</sup>		
Note: Includes one inlet sleeve. Excludes cover, excavation, backfill, concrete cut and concrete patch. Excludes crane and associated personnel. See CSI section 01 22 23 00-0800 for crane lifting equipment.				
23 65 43 00-0002	EA	30" Diameter x 30" Depth, 92 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	1,162.91	
		For Anti-Flotation Flanges, Add	115.00	
		For Perforated Basins, Add	80.00	
23 65 43 00-0003	EA	30" Diameter x 36" Depth, 110 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	1,316.96	
		For Anti-Flotation Flanges, Add	115.00	
		For Perforated Basins, Add	80.00	
23 65 43 00-0004	EA	36" Diameter x 30" Depth, 132 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	1,289.28	
		For Anti-Flotation Flanges, Add	253.00	
		For Perforated Basins, Add	80.00	
23 65 43 00-0005	EA	36" Diameter x 36" Depth, 159 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	1,513.30	
		For Anti-Flotation Flanges, Add	253.00	
		For Perforated Basins, Add	80.00	
23 65 43 00-0006	EA	42" Diameter x 30" Depth, 180 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	1,643.85	
		For Anti-Flotation Flanges, Add	276.00	
		For Perforated Basins, Add	100.00	
23 65 43 00-0007	EA	42" Diameter x 36" Depth, 216 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	1,823.75	
		For Anti-Flotation Flanges, Add	276.00	
		For Perforated Basins, Add	100.00	
23 65 43 00-0008	EA	42" Diameter x 42" Depth, 252 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	2,003.64	
		For Anti-Flotation Flanges, Add	276.00	
		For Perforated Basins, Add	100.00	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 43 00-0009 EA 48" Diameter x 36" Depth, 282 Gallon Capacity, Fiberglass Cooling Tower Sump Basin ..... <i>For Anti-Flotation Flanges, Add</i> <i>For Perforated Basins, Add</i>	2,020.60 294.00 140.00	
23 65 43 00-0010 EA 48" Diameter x 42" Depth, 329 Gallon Capacity, Fiberglass Cooling Tower Sump Basin ..... <i>For Anti-Flotation Flanges, Add</i> <i>For Perforated Basins, Add</i>	2,231.05 294.00 140.00	
23 65 43 00-0011 EA 48" Diameter x 48" Depth, 376 Gallon Capacity, Fiberglass Cooling Tower Sump Basin ..... <i>For Anti-Flotation Flanges, Add</i> <i>For Perforated Basins, Add</i>	2,546.18 294.00 140.00	
23 65 43 00-0012 EA 48" Diameter x 54" Depth, 423 Gallon Capacity, Fiberglass Cooling Tower Sump Basin ..... <i>For Anti-Flotation Flanges, Add</i> <i>For Perforated Basins, Add</i>	2,863.67 294.00 140.00	
23 65 43 00-0013 EA 48" Diameter x 60" Depth, 470 Gallon Capacity, Fiberglass Cooling Tower Sump Basin ..... <i>For Anti-Flotation Flanges, Add</i> <i>For Perforated Basins, Add</i>	3,069.42 294.00 140.00	

## 23 70 Central HVAC Equipment <sup>(23)</sup>

Note: New air filters shall be provided on HVAC equipment prior to turning over to owner. Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 16-0001 for disconnect.

### 23 71 Thermal Storage <sup>(23 70)</sup>

#### 23 71 13 Thermal Heat Storage <sup>(23 71)</sup>

##### 23 71 13 23 Pressurized-Water Thermal Storage Tanks <sup>(23 71 13)</sup>

##### 23 71 13 23-0001 Nickelshield Storage Tanks <sup>(23 71 13 23)</sup>

23 71 13 23-0002 EA 325 Gallon Nickelshield Storage Tank.....	24,274.14	194.15
23 71 13 23-0003 EA 490 Gallon Nickelshield Storage Tank.....	33,872.67	257.42
23 71 13 23-0004 EA 605 Gallon Nickelshield Storage Tank.....	38,781.36	311.35
23 71 13 23-0005 EA 740 Gallon Nickelshield Storage Tank.....	45,920.31	389.18
23 71 13 23-0006 EA 940 Gallon Nickelshield Storage Tank.....	53,433.49	517.36
23 71 13 23-0007 EA 1,505 Gallon Nickelshield Storage Tank.....	69,052.30	778.46
23 71 13 23-0008 EA 1,615 Gallon Nickelshield Storage Tank.....	77,977.63	876.80
23 71 13 23-0009 EA 2,275 Gallon Nickelshield Storage Tank.....	107,079.32	1,164.63
23 71 13 23-0010 EA 3,815 Gallon Nickelshield Storage Tank.....	138,532.76	1,353.92

### 23 72 Air-To-Air Energy Recovery Equipment <sup>(23 70)</sup>

#### 23 72 13 Heat-Wheel Air-To-Air Energy-Recovery Equipment <sup>(23 72)</sup>

##### 23 72 13 00-0001 Enthalpy Recovery Wheel <sup>(23 72 13)</sup>

23 72 13 00-0002 EA Up To 1,000 CFM Enthalpy Recovery Wheel.....	8,758.10	730.96
23 72 13 00-0003 EA >1,000 To 2,000 CFM Enthalpy Recovery Wheel.....	9,738.41	877.37
23 72 13 00-0004 EA >2,000 To 4,000 CFM Enthalpy Recovery Wheel.....	12,185.53	1,096.72
23 72 13 00-0005 EA >4,000 To 6,000 CFM Enthalpy Recovery Wheel.....	14,242.96	1,252.99
23 72 13 00-0006 EA >6,000 To 8,000 CFM Enthalpy Recovery Wheel.....	15,742.60	1,316.06
23 72 13 00-0007 EA >8,000 To 10,000 CFM Enthalpy Recovery Wheel.....	19,100.70	1,462.46
23 72 13 00-0008 EA >10,000 To 15,000 CFM Enthalpy Recovery Wheel.....	25,274.97	1,535.40
23 72 13 00-0009 EA >15,000 To 20,000 CFM Enthalpy Recovery Wheel.....	31,417.37	1,645.07
23 72 13 00-0010 EA >20,000 To 25,000 CFM Enthalpy Recovery Wheel.....	38,019.65	1,879.77
23 72 13 00-0011 EA >25,000 To 30,000 CFM Enthalpy Recovery Wheel.....	42,680.76	2,412.77
23 72 13 00-0012 EA >30,000 To 40,000 CFM Enthalpy Recovery Wheel.....	57,082.99	2,741.79
23 72 13 00-0013 EA >40,000 To 50,000 CFM Enthalpy Recovery Wheel.....	67,902.20	3,290.14

#### 23 72 16 Heat-Pipe Air-To-Air Energy-Recovery Equipment <sup>(23 72)</sup>

##### 23 72 16 00-0001 Glycol Heat Pipe Type, 50 Percent Efficient <sup>(23 72 16)</sup>

23 72 16 00-0002 EA 100 MBH, 1,700 CFM Glycol Heat Recovery Unit.....	15,605.07	548.35
23 72 16 00-0003 EA 160 MBH, 2,700 CFM Glycol Heat Recovery Unit.....	24,504.96	731.18
23 72 16 00-0004 EA 620 MBH, 4,000 CFM Glycol Heat Recovery Unit.....	36,330.73	1,096.72

### 23 73 Indoor Central-Station Air-Handling Units <sup>(23 70)</sup>

#### 23 73 13 Modular Indoor Central-Station Air-Handling Units <sup>(23 73)</sup>

Note: Sized by CFM. Includes motor drive vibration isolators. Use modifiers for Filters and heating and cooling coils. Includes double wall insulated casing, fan section, fan motor, internal dampers, starter, vibration isolators and equipment rigging. Variable speed drives are included on units with 10 HP or greater fans. Modifiers include cooling coil sections with 6 row aluminum fin coil and drain pan, heating coil section with 1 row aluminum fin coil, and filter section with replaceable filters.

##### 23 73 13 00-0001 Single Zone Units <sup>(23 73 13)</sup>

Note: Horizontal/vertical draw-thru fan, motor and cabinet.

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0002	EA		300 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	2,357.93	561.81
			For Flat Filter Box And Throwaway Filters, Add	195.66	
			For Medium Capacity Filter Box And Throwaway Filters, Add	367.25	
			For Combination Filter Mixing Box And Throwaway Filters, Add	546.86	
			For Manual Roll Filter, Add	935.70	
			For Automatic Roll Filter, Add	1,013.47	
			For Hot Water Heating Coil, Aluminum Fins, Add	469.10	
			For Electric Heating Coil, Add	780.17	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	780.17	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	702.40	
			For Steam Heating Coil, Aluminum Fins, Add	624.63	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	506.73	
			For Chilled Water Cooling Coil, Copper Fins, Add	935.70	
			For Direct Expansion Cooling Coil, Copper Fins, Add	857.93	
			For Hot Water Heating Coil, Copper Fins, Add	624.63	
			For Variable Air Volume, Add	217.75	
			For Economizer, Panel, Controls And Damper(s), Add	1,201.81	
			For 2 Coils, Independent Circuits, Add	266.90	
23 73 13 00-0003	EA		500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	3,714.09	674.17
			For Flat Filter Box And Throwaway Filters, Add	323.29	
			For Medium Capacity Filter Box And Throwaway Filters, Add	617.72	
			For Combination Filter Mixing Box And Throwaway Filters, Add	921.76	
			For Manual Roll Filter, Add	1,609.71	
			For Automatic Roll Filter, Add	1,747.29	
			For Hot Water Heating Coil, Aluminum Fins, Add	784.17	
			For Electric Heating Coil, Add	1,334.53	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	1,334.53	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	1,196.94	
			For Steam Heating Coil, Aluminum Fins, Add	1,059.35	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	873.65	
			For Chilled Water Cooling Coil, Copper Fins, Add	1,609.71	
			For Direct Expansion Cooling Coil, Copper Fins, Add	1,472.12	
			For Hot Water Heating Coil, Copper Fins, Add	1,059.35	
			For Variable Air Volume, Add	385.25	
			For Economizer, Panel, Controls And Damper(s), Add	1,313.62	
			For 2 Coils, Independent Circuits, Add	426.44	
23 73 13 00-0004	EA		800 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	4,196.68	724.02
			For Flat Filter Box And Throwaway Filters, Add	367.96	
			For Medium Capacity Filter Box And Throwaway Filters, Add	704.88	
			For Combination Filter Mixing Box And Throwaway Filters, Add	1,052.15	
			For Manual Roll Filter, Add	1,842.76	
			For Automatic Roll Filter, Add	2,000.88	
			For Hot Water Heating Coil, Aluminum Fins, Add	894.03	
			For Electric Heating Coil, Add	1,526.52	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	1,526.52	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	1,368.40	
			For Steam Heating Coil, Aluminum Fins, Add	1,210.28	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,000.44	
			For Chilled Water Cooling Coil, Copper Fins, Add	1,842.76	
			For Direct Expansion Cooling Coil, Copper Fins, Add	1,684.64	
			For Hot Water Heating Coil, Copper Fins, Add	1,210.28	
			For Variable Air Volume, Add	442.74	
			For Economizer, Panel, Controls And Damper(s), Add	1,363.98	
			For 2 Coils, Independent Circuits, Add	482.92	
23 73 13 00-0005	EA		1,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	4,733.21	778.00
			For Flat Filter Box And Throwaway Filters, Add	417.74	
			For Medium Capacity Filter Box And Throwaway Filters, Add	802.13	
			For Combination Filter Mixing Box And Throwaway Filters, Add	1,197.64	
			For Manual Roll Filter, Add	2,103.04	
			For Automatic Roll Filter, Add	2,284.12	
			For Hot Water Heating Coil, Aluminum Fins, Add	1,016.56	
			For Electric Heating Coil, Add	1,740.88	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	1,740.88	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	1,559.80	
			For Steam Heating Coil, Aluminum Fins, Add	1,378.72	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,142.06	
			For Chilled Water Cooling Coil, Copper Fins, Add	2,103.04	
			For Direct Expansion Cooling Coil, Copper Fins, Add	1,921.96	
			For Hot Water Heating Coil, Copper Fins, Add	1,378.72	
			For Variable Air Volume, Add	507.02	
			For Economizer, Panel, Controls And Damper(s), Add	1,418.13	
			For 2 Coils, Independent Circuits, Add	545.75	
23 73 13 00-0006	EA		1,200 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	5,365.62	837.00
			For Flat Filter Box And Throwaway Filters, Add	476.85	
			For Medium Capacity Filter Box And Throwaway Filters, Add	917.86	
			For Combination Filter Mixing Box And Throwaway Filters, Add	1,370.82	
			For Manual Roll Filter, Add	2,413.65	
			For Automatic Roll Filter, Add	2,622.22	
			For Hot Water Heating Coil, Aluminum Fins, Add	1,162.26	
			For Electric Heating Coil, Add	1,996.52	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	1,996.52	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	1,787.96	
			For Steam Heating Coil, Aluminum Fins, Add	1,579.39	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,311.11	
			For Chilled Water Cooling Coil, Copper Fins, Add	2,413.65	
			For Direct Expansion Cooling Coil, Copper Fins, Add	2,205.09	
			For Hot Water Heating Coil, Copper Fins, Add	1,579.39	
			For Variable Air Volume, Add	583.98	
			For Economizer, Panel, Controls And Damper(s), Add	1,476.02	
			For 2 Coils, Independent Circuits, Add	619.99	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73	13 00-0007	EA	1,400 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	6,102.98 546.05 1,053.55 1,573.90 2,778.41 3,019.31 1,333.00 2,296.61 2,296.61 2,055.70 1,814.80 1,509.65 2,778.41 2,537.51 1,814.80 674.52 1,539.47 706.66	899.49
23 73	13 00-0008	EA	1,600 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	6,681.59 599.23 1,157.11 1,728.77 3,054.53 3,319.68 1,463.62 2,524.23 2,524.23 2,259.07 1,993.92 1,659.84 3,054.53 2,789.38 1,993.92 742.43 1,604.98 774.22	967.01
23 73	13 00-0009	EA	1,800 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	7,308.90 656.47 1,268.28 1,894.98 3,350.08 3,641.11 1,603.95 2,768.04 2,768.04 2,477.02 2,186.00 1,820.55 3,350.08 3,059.06 2,186.00 814.86 1,568.66 847.30	1,042.15
23 73	13 00-0010	EA	2,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	7,998.69 720.06 1,392.23 2,080.36 3,680.98 4,001.10 1,760.24 3,040.73 3,040.73 2,720.61 2,400.49 2,000.55 3,680.98 3,360.86 2,400.49 896.35 1,627.92 927.92	1,117.29
23 73	13 00-0011	EA	2,250 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	8,635.49 777.77 1,504.06 2,247.52 3,977.48 4,323.47 1,901.53 3,285.49 3,285.49 2,939.50 2,593.51 2,161.73 3,977.48 3,631.49 2,593.51 968.78 1,693.61 1,001.95	1,200.97

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0012	EA		2,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	9,315.42	1,292.25
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	839.25	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	1,623.12	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	2,425.45	
			<i>For Manual Roll Filter, Add</i>	4,292.84	
			<i>For Automatic Roll Filter, Add</i>	4,666.32	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	2,051.97	
			<i>For Electric Heating Coil, Add</i>	3,545.88	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	3,545.88	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	3,172.41	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	2,798.93	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	2,333.16	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	4,292.84	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	3,919.36	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	2,798.93	
			<i>For Variable Air Volume, Add</i>	1,045.74	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,765.23	
			<i>For 2 Coils, Independent Circuits, Add</i>	1,080.93	
23 73 13 00-0013	EA		3,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	10,835.10	1,495.81
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	976.67	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	1,889.24	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	2,823.17	
			<i>For Manual Roll Filter, Add</i>	4,997.75	
			<i>For Automatic Roll Filter, Add</i>	5,432.66	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	2,388.26	
			<i>For Electric Heating Coil, Add</i>	4,127.92	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	4,127.92	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	3,693.00	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	3,258.09	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	2,716.33	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	4,997.75	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	4,562.83	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	3,258.09	
			<i>For Variable Air Volume, Add</i>	1,217.76	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,925.24	
			<i>For 2 Coils, Independent Circuits, Add</i>	1,257.48	
23 73 13 00-0014	EA		3,250 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	11,351.03	1,607.47
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	1,020.25	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	1,971.59	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	2,945.90	
			<i>For Manual Roll Filter, Add</i>	5,209.40	
			<i>For Automatic Roll Filter, Add</i>	5,662.10	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	2,493.20	
			<i>For Electric Heating Coil, Add</i>	4,304.00	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	4,304.00	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	3,851.30	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	3,398.60	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	2,831.05	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	5,209.40	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	4,756.70	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	3,398.60	
			<i>For Variable Air Volume, Add</i>	1,267.56	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	2,013.37	
			<i>For 2 Coils, Independent Circuits, Add</i>	1,316.18	
23 73 13 00-0015	EA		3,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	11,877.65	1,727.56
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	1,064.37	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	2,054.70	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	3,069.70	
			<i>For Manual Roll Filter, Add</i>	5,422.13	
			<i>For Automatic Roll Filter, Add</i>	5,892.61	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	2,599.22	
			<i>For Electric Heating Coil, Add</i>	4,481.16	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	4,481.16	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	4,010.67	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	3,540.19	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	2,946.31	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	5,422.13	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	4,951.64	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	3,540.19	
			<i>For Variable Air Volume, Add</i>	1,317.36	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	2,107.38	
			<i>For 2 Coils, Independent Circuits, Add</i>	1,375.96	
23 73 13 00-0016	EA		4,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	13,035.81	1,994.41
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	1,161.08	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	2,236.65	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	3,340.73	
			<i>For Manual Roll Filter, Add</i>	5,887.16	
			<i>For Automatic Roll Filter, Add</i>	6,396.45	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	2,831.44	
			<i>For Electric Heating Coil, Add</i>	4,868.59	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	4,868.59	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	4,359.30	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	3,850.02	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	3,198.23	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	5,887.16	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	5,377.88	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	3,850.02	
			<i>For Variable Air Volume, Add</i>	1,426.00	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	2,080.03	
			<i>For 2 Coils, Independent Circuits, Add</i>	1,507.30	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0017	EA		4,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	13,035.81 1,161.08 2,236.65 3,340.73 5,887.16 6,396.45 2,831.44 4,868.59 4,868.59 4,359.30 3,850.02 3,198.23 5,887.16 5,377.88 3,850.02 1,426.00 2,080.03 1,507.30	1,994.41
23 73 13 00-0018	EA		5,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	14,299.64 1,266.31 2,434.42 3,635.26 6,391.88 6,943.20 3,083.93 5,289.23 5,289.23 4,737.91 4,186.58 3,471.60 6,391.88 5,840.55 4,186.58 1,543.71 2,249.27 1,650.49	2,290.77
23 73 13 00-0019	EA		5,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	15,030.41 1,325.48 2,544.42 3,798.88 6,668.67 7,242.63 3,224.92 5,520.75 5,520.75 4,946.79 4,372.83 3,621.31 6,668.67 6,094.71 4,372.83 1,607.08 2,360.50 1,813.28	2,485.30
23 73 13 00-0020	EA		6,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	15,746.42 1,383.91 2,653.39 3,961.02 6,943.98 7,540.58 3,364.42 5,750.80 5,750.80 5,154.20 4,557.61 3,770.29 6,943.98 6,347.39 4,557.61 1,670.46 2,465.82 1,813.28	2,669.98
23 73 13 00-0021	EA		6,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	16,466.87 1,442.57 2,762.68 4,123.60 7,219.74 7,838.97 3,504.37 5,981.29 5,981.29 5,362.06 4,742.83 3,919.49 7,219.74 6,600.52 4,742.83 1,733.84 2,572.92 1,894.38	2,858.19

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0022	EA		7,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	17,297.24	3,076.59
			For Flat Filter Box And Throwaway Filters, Add	1,509.96	
			For Medium Capacity Filter Box And Throwaway Filters, Add	2,888.06	
			For Combination Filter Mixing Box And Throwaway Filters, Add	4,310.11	
			For Manual Roll Filter, Add	7,535.60	
			For Automatic Roll Filter, Add	8,180.69	
			For Hot Water Heating Coil, Aluminum Fins, Add	3,665.02	
			For Electric Heating Coil, Add	6,245.40	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	6,245.40	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	5,600.31	
			For Steam Heating Coil, Aluminum Fins, Add	4,955.21	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	4,090.35	
			For Chilled Water Cooling Coil, Copper Fins, Add	7,535.60	
			For Direct Expansion Cooling Coil, Copper Fins, Add	6,890.50	
			For Hot Water Heating Coil, Copper Fins, Add	4,955.21	
			For Variable Air Volume, Add	1,806.27	
			For Economizer, Panel, Controls And Damper(s), Add	2,698.12	
			For 2 Coils, Independent Circuits, Add	1,987.76	
23 73 13 00-0023	EA		7,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	18,140.38	3,296.40
			For Flat Filter Box And Throwaway Filters, Add	1,577.98	
			For Medium Capacity Filter Box And Throwaway Filters, Add	3,014.34	
			For Combination Filter Mixing Box And Throwaway Filters, Add	4,497.90	
			For Manual Roll Filter, Add	7,852.73	
			For Automatic Roll Filter, Add	8,523.69	
			For Hot Water Heating Coil, Aluminum Fins, Add	3,826.93	
			For Electric Heating Coil, Add	6,510.80	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	6,510.80	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	5,839.83	
			For Steam Heating Coil, Aluminum Fins, Add	5,168.87	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	4,261.85	
			For Chilled Water Cooling Coil, Copper Fins, Add	7,852.73	
			For Direct Expansion Cooling Coil, Copper Fins, Add	7,181.76	
			For Hot Water Heating Coil, Copper Fins, Add	5,168.87	
			For Variable Air Volume, Add	1,878.70	
			For Economizer, Panel, Controls And Damper(s), Add	2,596.32	
			For 2 Coils, Independent Circuits, Add	2,082.42	
23 73 13 00-0024	EA		8,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	19,009.90	3,549.81
			For Flat Filter Box And Throwaway Filters, Add	1,647.33	
			For Medium Capacity Filter Box And Throwaway Filters, Add	3,142.46	
			For Combination Filter Mixing Box And Throwaway Filters, Add	4,688.33	
			For Manual Roll Filter, Add	8,172.50	
			For Automatic Roll Filter, Add	8,869.34	
			For Hot Water Heating Coil, Aluminum Fins, Add	3,991.49	
			For Electric Heating Coil, Add	6,778.83	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	6,778.83	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,082.00	
			For Steam Heating Coil, Aluminum Fins, Add	5,385.16	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	4,434.67	
			For Chilled Water Cooling Coil, Copper Fins, Add	8,172.50	
			For Direct Expansion Cooling Coil, Copper Fins, Add	7,475.67	
			For Hot Water Heating Coil, Copper Fins, Add	5,385.16	
			For Variable Air Volume, Add	1,951.14	
			For Economizer, Panel, Controls And Damper(s), Add	2,701.96	
			For 2 Coils, Independent Circuits, Add	2,179.72	
23 73 13 00-0025	EA		9,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	20,000.84	3,845.57
			For Flat Filter Box And Throwaway Filters, Add	1,725.98	
			For Medium Capacity Filter Box And Throwaway Filters, Add	3,287.49	
			For Combination Filter Mixing Box And Throwaway Filters, Add	4,903.83	
			For Manual Roll Filter, Add	8,533.51	
			For Automatic Roll Filter, Add	9,259.45	
			For Hot Water Heating Coil, Aluminum Fins, Add	4,177.89	
			For Electric Heating Coil, Add	7,081.64	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	7,081.64	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,355.70	
			For Steam Heating Coil, Aluminum Fins, Add	5,629.77	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	4,629.72	
			For Chilled Water Cooling Coil, Copper Fins, Add	8,533.51	
			For Direct Expansion Cooling Coil, Copper Fins, Add	7,807.58	
			For Hot Water Heating Coil, Copper Fins, Add	5,629.77	
			For Variable Air Volume, Add	2,032.62	
			For Economizer, Panel, Controls And Damper(s), Add	2,824.63	
			For 2 Coils, Independent Circuits, Add	2,290.46	
23 73 13 00-0026	EA		10,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	20,967.58	4,105.80
			For Flat Filter Box And Throwaway Filters, Add	1,803.42	
			For Medium Capacity Filter Box And Throwaway Filters, Add	3,430.83	
			For Combination Filter Mixing Box And Throwaway Filters, Add	5,116.91	
			For Manual Roll Filter, Add	8,892.10	
			For Automatic Roll Filter, Add	9,647.14	
			For Hot Water Heating Coil, Aluminum Fins, Add	4,361.87	
			For Electric Heating Coil, Add	7,382.03	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	7,382.03	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,626.99	
			For Steam Heating Coil, Aluminum Fins, Add	5,871.95	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	4,823.57	
			For Chilled Water Cooling Coil, Copper Fins, Add	8,892.10	
			For Direct Expansion Cooling Coil, Copper Fins, Add	8,137.07	
			For Hot Water Heating Coil, Copper Fins, Add	5,871.95	
			For Variable Air Volume, Add	2,114.11	
			For Economizer, Panel, Controls And Damper(s), Add	2,940.04	
			For 2 Coils, Independent Circuits, Add	2,398.77	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0027	EA		11,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	21,051.74 1,822.18 3,474.55 5,183.53 9,031.48 9,801.07 4,413.94 7,492.30 7,492.30 6,722.71 5,953.12 4,900.53 9,031.48 8,261.89 5,953.12 2,154.85 2,877.99 2,413.01	3,975.48
23 73 13 00-0028	EA		12,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	21,982.50 1,883.27 3,577.54 5,334.81 9,255.51 10,039.66 4,550.67 7,687.23 7,687.23 6,903.09 6,118.95 5,019.83 9,255.51 8,471.37 6,118.95 2,195.59 3,069.91 2,511.91	4,410.68
23 73 13 00-0029	EA		13,700 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	23,145.60 1,988.31 3,780.86 5,638.67 9,793.81 10,624.84 4,807.64 8,131.75 8,131.75 7,300.73 6,469.70 5,312.42 9,793.81 8,962.78 6,469.70 2,326.88 2,705.01 2,646.97	4,587.86
23 73 13 00-0030	EA		15,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	24,371.36 2,096.48 3,988.57 5,948.79 10,338.36 11,216.28 5,070.88 8,582.53 8,582.53 7,704.62 6,826.71 5,608.14 10,338.36 9,460.45 6,826.71 2,458.16 2,762.62 2,788.30	4,765.52
23 73 13 00-0031	EA		16,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	25,668.29 2,214.68 4,218.08 6,291.90 10,948.24 11,879.51 5,360.63 9,085.71 9,085.71 8,154.44 7,223.17 5,939.75 10,948.24 10,016.97 7,223.17 2,607.55 2,808.59 2,939.34	4,948.82

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0032	EA		17,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	27,021.19	5,132.30
23 73 13 00-0033	EA		20,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	30,111.97	5,502.20
23 73 13 00-0034	EA		22,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	33,400.41	5,929.87
23 73 13 00-0035	EA		25,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	36,989.24	6,353.73
23 73 13 00-0036	EA		27,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	45,470.29	6,842.81

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0037	EA		30,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	50,781.07 4,556.80 8,800.82 15,166.84 22,027.19 23,237.83 9,113.60 9,920.70 17,184.59 15,166.84 13,149.10 10,610.04 21,220.09 19,202.34 15,166.84 5,649.69 3,328.92 5,885.21	7,303.69
23 73 13 00-0038	EA		32,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	55,627.02 5,001.20 9,665.49 16,661.93 24,209.40 25,541.31 10,002.39 10,890.33 18,881.78 16,661.93 14,442.08 11,660.73 23,321.47 21,101.62 16,661.93 6,215.57 3,449.52 6,450.64	7,864.99
23 73 13 00-0039	EA		35,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	61,028.34 5,492.76 10,619.48 18,309.56 26,610.13 28,074.94 10,985.52 11,962.06 20,750.90 18,309.56 15,868.21 12,816.80 25,633.59 23,192.25 18,309.56 6,835.77 3,595.22 7,079.37	8,997.33
23 73 13 00-0040	EA		37,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	65,675.11 5,920.73 11,453.40 19,752.39 28,718.11 30,300.30 11,841.46 12,896.25 22,389.37 19,752.39 17,115.42 13,831.66 27,663.32 25,026.34 19,752.39 7,383.53 3,705.34 7,622.30	9,059.23
23 73 13 00-0041	EA		40,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	70,834.03 6,388.86 12,360.99 21,319.19 30,999.53 32,707.83 12,777.72 13,916.58 24,166.35 21,319.19 18,472.04 14,930.33 29,860.67 27,013.51 21,319.19 7,972.04 3,566.36 8,222.27	9,691.16

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 73 13 00-0042	EA	45,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	76,451.26	10,463.75
		For Flat Filter Box And Throwing Filters, Add	6,897.69	
		For Medium Capacity Filter Box And Throwing Filters, Add	13,346.91	
		For Combination Filter Mixing Box And Throwing Filters, Add	23,020.75	
		For Manual Roll Filter, Add	33,476.18	
		For Automatic Roll Filter, Add	35,321.25	
		For Hot Water Heating Coil, Aluminum Fins, Add	13,795.38	
		For Electric Heating Coil, Add	15,025.43	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	26,095.88	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	23,020.75	
		For Steam Heating Coil, Aluminum Fins, Add	19,945.63	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	16,123.06	
		For Chilled Water Cooling Coil, Copper Fins, Add	32,246.13	
		For Direct Expansion Cooling Coil, Copper Fins, Add	29,171.00	
		For Hot Water Heating Coil, Copper Fins, Add	23,020.75	
		For Variable Air Volume, Add	8,610.35	
		For Economizer, Panel, Controls And Damper(s), Add	3,698.60	
		For 2 Coils, Independent Circuits, Add	8,875.18	
23 73 13 00-0043	EA	47,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	79,645.81	10,955.22
		For Flat Filter Box And Throwing Filters, Add	7,183.52	
		For Medium Capacity Filter Box And Throwing Filters, Add	13,898.42	
		For Combination Filter Mixing Box And Throwing Filters, Add	23,970.75	
		For Manual Roll Filter, Add	34,854.95	
		For Automatic Roll Filter, Add	36,775.69	
		For Hot Water Heating Coil, Aluminum Fins, Add	14,367.05	
		For Electric Heating Coil, Add	15,647.54	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	27,171.99	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	23,970.75	
		For Steam Heating Coil, Aluminum Fins, Add	20,769.52	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	16,787.23	
		For Chilled Water Cooling Coil, Copper Fins, Add	33,574.45	
		For Direct Expansion Cooling Coil, Copper Fins, Add	30,373.22	
		For Hot Water Heating Coil, Copper Fins, Add	23,970.75	
		For Variable Air Volume, Add	8,963.46	
		For Economizer, Panel, Controls And Damper(s), Add	3,782.64	
		For 2 Coils, Independent Circuits, Add	9,245.07	
23 73 13 00-0044	EA	50,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	82,656.83	11,376.58
		For Flat Filter Box And Throwing Filters, Add	7,453.72	
		For Medium Capacity Filter Box And Throwing Filters, Add	14,420.26	
		For Combination Filter Mixing Box And Throwing Filters, Add	24,870.06	
		For Manual Roll Filter, Add	36,161.04	
		For Automatic Roll Filter, Add	38,153.57	
		For Hot Water Heating Coil, Aluminum Fins, Add	14,907.44	
		For Electric Heating Coil, Add	16,235.79	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	28,190.94	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	24,870.06	
		For Steam Heating Coil, Aluminum Fins, Add	21,549.19	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	17,416.35	
		For Chilled Water Cooling Coil, Copper Fins, Add	34,832.69	
		For Direct Expansion Cooling Coil, Copper Fins, Add	31,511.82	
		For Hot Water Heating Coil, Copper Fins, Add	24,870.06	
		For Variable Air Volume, Add	9,298.45	
		For Economizer, Panel, Controls And Damper(s), Add	3,859.91	
		For 2 Coils, Independent Circuits, Add	9,594.03	
23 73 13 00-0045	EA	55,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	89,116.45	12,149.07
		For Flat Filter Box And Throwing Filters, Add	8,043.47	
		For Medium Capacity Filter Box And Throwing Filters, Add	15,566.03	
		For Combination Filter Mixing Box And Throwing Filters, Add	26,849.87	
		For Manual Roll Filter, Add	39,047.87	
		For Automatic Roll Filter, Add	41,200.45	
		For Hot Water Heating Coil, Aluminum Fins, Add	16,086.94	
		For Electric Heating Coil, Add	17,521.99	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	30,437.52	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	26,849.87	
		For Steam Heating Coil, Aluminum Fins, Add	23,262.23	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	18,806.40	
		For Chilled Water Cooling Coil, Copper Fins, Add	37,612.81	
		For Direct Expansion Cooling Coil, Copper Fins, Add	34,025.16	
		For Hot Water Heating Coil, Copper Fins, Add	26,849.87	
		For Variable Air Volume, Add	10,045.41	
		For Economizer, Panel, Controls And Damper(s), Add	4,000.44	
		For 2 Coils, Independent Circuits, Add	10,346.70	
23 73 13 00-0046	EA	60,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	97,477.34	12,991.77
		For Flat Filter Box And Throwing Filters, Add	8,818.82	
		For Medium Capacity Filter Box And Throwing Filters, Add	17,080.30	
		For Combination Filter Mixing Box And Throwing Filters, Add	29,472.51	
		For Manual Roll Filter, Add	42,885.36	
		For Automatic Roll Filter, Add	45,252.33	
		For Hot Water Heating Coil, Aluminum Fins, Add	17,637.64	
		For Electric Heating Coil, Add	19,215.63	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	33,417.46	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	29,472.51	
		For Steam Heating Coil, Aluminum Fins, Add	25,527.55	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	20,653.69	
		For Chilled Water Cooling Coil, Copper Fins, Add	41,307.37	
		For Direct Expansion Cooling Coil, Copper Fins, Add	37,362.42	
		For Hot Water Heating Coil, Copper Fins, Add	29,472.51	
		For Variable Air Volume, Add	11,045.87	
		For Economizer, Panel, Controls And Damper(s), Add	3,757.82	
		For 2 Coils, Independent Circuits, Add	11,325.72	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0047	EA		65,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .... For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	106,853.53 9,682.13 18,762.32 32,382.61 47,136.74 49,740.41 19,364.25 21,100.03 36,722.06 32,382.61 28,043.16 22,700.48 45,400.96 41,061.51 32,382.61 12,150.46 3,906.45 12,421.13	14,045.16
23 73 13 00-0048	EA		70,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .... For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	117,296.55 10,639.19 20,624.11 35,601.49 51,834.33 54,698.95 21,278.39 23,188.13 40,375.85 35,601.49 30,827.12 24,962.29 49,924.58 45,150.22 35,601.49 13,368.22 4,080.92 13,639.40	15,239.00
<b>23 73 13 00-0049 Multi-Zone Units <small>(23 73 13)</small></b>					
Note: Horizontal/vertical blow-thru fan, motor and cabinet.					
23 73 13 00-0050	EA		1,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan ..... For Economizer, Panel, Controls And Damper(s), Add For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For 2 Coils, Independent Circuits, Add	6,978.88 1,903.62 607.63 1,161.10 1,473.94 3,026.06 3,026.06 697.89 801.36 2,508.69 2,508.69 3,026.06 3,026.06 801.36	1,263.87
23 73 13 00-0051	EA		1,200 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan ..... For Economizer, Panel, Controls And Damper(s), Add For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For 2 Coils, Independent Circuits, Add	8,696.87 2,223.45 756.58 1,445.30 1,834.91 3,765.35 3,765.35 869.69 998.38 3,121.87 3,121.87 3,765.35 3,765.35 998.38	1,583.39
23 73 13 00-0052	EA		1,600 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan ..... For Economizer, Panel, Controls And Damper(s), Add For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For 2 Coils, Independent Circuits, Add	10,749.87 2,325.08 954.62 1,837.03 2,326.38 4,829.16 4,829.16 1,074.99 1,241.84 3,994.90 3,994.90 4,829.16 4,829.16 1,241.84	1,685.22

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0053	EA		2,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	11,178.63	1,804.60
			For Economizer, Panel, Controls And Damper(s), Add	2,444.13	
			For Flat Filter Box And Throwaway Filters, Add	989.00	
			For Medium Capacity Filter Box And Throwaway Filters, Add	1,900.67	
			For Combination Filter Mixing Box And Throwaway Filters, Add	2,408.06	
			For Manual Roll Filter, Add	4,988.45	
			For Automatic Roll Filter, Add	4,988.45	
			For Hot Water Heating Coil, Aluminum Fins, Add	1,117.86	
			For Electric Heating Coil, Add	1,289.89	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	4,128.32	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,128.32	
			For Chilled Water Cooling Coil, Copper Fins, Add	4,988.45	
			For Direct Expansion Cooling Coil, Copper Fins, Add	4,988.45	
			For 2 Coils, Independent Circuits, Add	1,289.89	
23 73 13 00-0054	EA		2,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	13,078.80	1,934.52
			For Economizer, Panel, Controls And Damper(s), Add	2,574.60	
			For Flat Filter Box And Throwaway Filters, Add	1,169.69	
			For Medium Capacity Filter Box And Throwaway Filters, Add	2,256.48	
			For Combination Filter Mixing Box And Throwaway Filters, Add	2,855.14	
			For Manual Roll Filter, Add	5,949.67	
			For Automatic Roll Filter, Add	5,949.67	
			For Hot Water Heating Coil, Aluminum Fins, Add	1,307.88	
			For Electric Heating Coil, Add	1,514.18	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	4,918.16	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,918.16	
			For Chilled Water Cooling Coil, Copper Fins, Add	5,949.67	
			For Direct Expansion Cooling Coil, Copper Fins, Add	5,949.67	
			For 2 Coils, Independent Circuits, Add	1,514.18	
23 73 13 00-0055	EA		3,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	13,791.83	2,071.66
			For Economizer, Panel, Controls And Damper(s), Add	2,711.56	
			For Flat Filter Box And Throwaway Filters, Add	1,231.21	
			For Medium Capacity Filter Box And Throwaway Filters, Add	2,373.65	
			For Combination Filter Mixing Box And Throwaway Filters, Add	3,004.05	
			For Manual Roll Filter, Add	6,253.79	
			For Automatic Roll Filter, Add	6,253.79	
			For Hot Water Heating Coil, Aluminum Fins, Add	1,379.18	
			For Electric Heating Coil, Add	1,595.83	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	5,170.54	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	5,170.54	
			For Chilled Water Cooling Coil, Copper Fins, Add	6,253.79	
			For Direct Expansion Cooling Coil, Copper Fins, Add	6,253.79	
			For 2 Coils, Independent Circuits, Add	1,595.83	
23 73 13 00-0056	EA		3,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	14,541.93	2,212.02
			For Economizer, Panel, Controls And Damper(s), Add	2,851.83	
			For Flat Filter Box And Throwaway Filters, Add	1,296.21	
			For Medium Capacity Filter Box And Throwaway Filters, Add	2,497.62	
			For Combination Filter Mixing Box And Throwaway Filters, Add	3,161.52	
			For Manual Roll Filter, Add	6,576.17	
			For Automatic Roll Filter, Add	6,576.17	
			For Hot Water Heating Coil, Aluminum Fins, Add	1,454.19	
			For Electric Heating Coil, Add	1,681.84	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	5,437.95	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	5,437.95	
			For Chilled Water Cooling Coil, Copper Fins, Add	6,576.17	
			For Direct Expansion Cooling Coil, Copper Fins, Add	6,576.17	
			For 2 Coils, Independent Circuits, Add	1,681.84	
23 73 13 00-0057	EA		4,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	16,220.83	2,373.64
			For Economizer, Panel, Controls And Damper(s), Add	2,610.96	
			For Flat Filter Box And Throwaway Filters, Add	1,452.91	
			For Medium Capacity Filter Box And Throwaway Filters, Add	2,804.30	
			For Combination Filter Mixing Box And Throwaway Filters, Add	3,547.67	
			For Manual Roll Filter, Add	7,398.85	
			For Automatic Roll Filter, Add	7,398.85	
			For Hot Water Heating Coil, Aluminum Fins, Add	1,622.08	
			For Electric Heating Coil, Add	1,878.83	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	6,115.13	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,115.13	
			For Chilled Water Cooling Coil, Copper Fins, Add	7,398.85	
			For Direct Expansion Cooling Coil, Copper Fins, Add	7,398.85	
			For 2 Coils, Independent Circuits, Add	1,878.83	
23 73 13 00-0058	EA		4,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	17,729.95	2,541.98
			For Economizer, Panel, Controls And Damper(s), Add	2,747.37	
			For Flat Filter Box And Throwaway Filters, Add	1,591.42	
			For Medium Capacity Filter Box And Throwaway Filters, Add	3,073.88	
			For Combination Filter Mixing Box And Throwaway Filters, Add	3,887.75	
			For Manual Roll Filter, Add	8,117.26	
			For Automatic Roll Filter, Add	8,117.26	
			For Hot Water Heating Coil, Aluminum Fins, Add	1,773.00	
			For Electric Heating Coil, Add	2,054.96	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	6,707.42	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,707.42	
			For Chilled Water Cooling Coil, Copper Fins, Add	8,117.26	
			For Direct Expansion Cooling Coil, Copper Fins, Add	8,117.26	
			For 2 Coils, Independent Circuits, Add	2,054.96	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0059	EA		5,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	18,744.15	2,714.93
			For Economizer, Panel, Controls And Damper(s), Add	2,878.35	
			For Flat Filter Box And Throwaway Filters, Add	1,680.93	
			For Medium Capacity Filter Box And Throwaway Filters, Add	3,245.77	
			For Combination Filter Mixing Box And Throwaway Filters, Add	4,105.58	
			For Manual Roll Filter, Add	8,567.90	
			For Automatic Roll Filter, Add	8,567.90	
			For Hot Water Heating Coil, Aluminum Fins, Add	1,874.42	
			For Electric Heating Coil, Add	2,171.90	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	7,080.46	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	7,080.46	
			For Chilled Water Cooling Coil, Copper Fins, Add	8,567.90	
			For Direct Expansion Cooling Coil, Copper Fins, Add	8,567.90	
			For 2 Coils, Independent Circuits, Add	2,171.90	
23 73 13 00-0060	EA		5,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	20,669.10	2,900.53
			For Economizer, Panel, Controls And Damper(s), Add	3,030.06	
			For Flat Filter Box And Throwaway Filters, Add	1,859.63	
			For Medium Capacity Filter Box And Throwaway Filters, Add	3,594.90	
			For Combination Filter Mixing Box And Throwaway Filters, Add	4,545.44	
			For Manual Roll Filter, Add	9,502.50	
			For Automatic Roll Filter, Add	9,502.50	
			For Hot Water Heating Coil, Aluminum Fins, Add	2,066.91	
			For Electric Heating Coil, Add	2,397.38	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	7,850.15	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	7,850.15	
			For Chilled Water Cooling Coil, Copper Fins, Add	9,502.50	
			For Direct Expansion Cooling Coil, Copper Fins, Add	9,502.50	
			For 2 Coils, Independent Circuits, Add	2,397.38	
23 73 13 00-0061	EA		6,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	21,992.43	3,104.18
			For Economizer, Panel, Controls And Damper(s), Add	3,188.78	
			For Flat Filter Box And Throwaway Filters, Add	1,977.54	
			For Medium Capacity Filter Box And Throwaway Filters, Add	3,822.05	
			For Combination Filter Mixing Box And Throwaway Filters, Add	4,832.99	
			For Manual Roll Filter, Add	10,100.47	
			For Automatic Roll Filter, Add	10,100.47	
			For Hot Water Heating Coil, Aluminum Fins, Add	2,199.24	
			For Electric Heating Coil, Add	2,550.41	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	8,344.64	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	8,344.64	
			For Chilled Water Cooling Coil, Copper Fins, Add	10,100.47	
			For Direct Expansion Cooling Coil, Copper Fins, Add	10,100.47	
			For 2 Coils, Independent Circuits, Add	2,550.41	
23 73 13 00-0062	EA		6,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	24,116.05	3,370.84
			For Economizer, Panel, Controls And Damper(s), Add	3,396.40	
			For Flat Filter Box And Throwaway Filters, Add	2,171.02	
			For Medium Capacity Filter Box And Throwaway Filters, Add	4,197.70	
			For Combination Filter Mixing Box And Throwaway Filters, Add	5,307.27	
			For Manual Roll Filter, Add	11,098.59	
			For Automatic Roll Filter, Add	11,098.59	
			For Hot Water Heating Coil, Aluminum Fins, Add	2,411.61	
			For Electric Heating Coil, Add	2,797.69	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	9,168.15	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	9,168.15	
			For Chilled Water Cooling Coil, Copper Fins, Add	11,098.59	
			For Direct Expansion Cooling Coil, Copper Fins, Add	11,098.59	
			For 2 Coils, Independent Circuits, Add	2,797.69	
23 73 13 00-0063	EA		7,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	25,911.81	3,630.77
			For Economizer, Panel, Controls And Damper(s), Add	3,601.55	
			For Flat Filter Box And Throwaway Filters, Add	2,331.95	
			For Medium Capacity Filter Box And Throwaway Filters, Add	4,508.36	
			For Combination Filter Mixing Box And Throwaway Filters, Add	5,700.26	
			For Manual Roll Filter, Add	11,918.41	
			For Automatic Roll Filter, Add	11,918.41	
			For Hot Water Heating Coil, Aluminum Fins, Add	2,591.18	
			For Electric Heating Coil, Add	3,005.72	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	9,845.69	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	9,845.69	
			For Chilled Water Cooling Coil, Copper Fins, Add	11,918.41	
			For Direct Expansion Cooling Coil, Copper Fins, Add	11,918.41	
			For 2 Coils, Independent Circuits, Add	3,005.72	
23 73 13 00-0064	EA		7,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	27,197.05	3,925.62
			For Economizer, Panel, Controls And Damper(s), Add	3,178.72	
			For Flat Filter Box And Throwaway Filters, Add	2,439.87	
			For Medium Capacity Filter Box And Throwaway Filters, Add	4,711.83	
			For Combination Filter Mixing Box And Throwaway Filters, Add	5,959.74	
			For Manual Roll Filter, Add	12,439.82	
			For Automatic Roll Filter, Add	12,439.82	
			For Hot Water Heating Coil, Aluminum Fins, Add	2,719.71	
			For Electric Heating Coil, Add	3,151.71	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	10,279.79	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	10,279.79	
			For Chilled Water Cooling Coil, Copper Fins, Add	12,439.82	
			For Direct Expansion Cooling Coil, Copper Fins, Add	12,439.82	
			For 2 Coils, Independent Circuits, Add	3,151.71	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 73 13 00-0065	EA	8,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	30,175.07	4,234.41
		For Economizer, Panel, Controls And Damper(s), Add	3,361.06	
		For Flat Filter Box And Throwaway Filters, Add	2,714.88	
		For Medium Capacity Filter Box And Throwaway Filters, Add	5,248.17	
		For Combination Filter Mixing Box And Throwaway Filters, Add	6,635.87	
		For Manual Roll Filter, Add	13,872.60	
		For Automatic Roll Filter, Add	13,872.60	
		For Hot Water Heating Coil, Aluminum Fins, Add	3,017.51	
		For Electric Heating Coil, Add	3,499.96	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	11,460.36	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	11,460.36	
		For Chilled Water Cooling Coil, Copper Fins, Add	13,872.60	
		For Direct Expansion Cooling Coil, Copper Fins, Add	13,872.60	
		For 2 Coils, Independent Circuits, Add	3,499.96	
23 73 13 00-0066	EA	8,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	31,779.23	4,564.48
		For Economizer, Panel, Controls And Damper(s), Add	3,550.02	
		For Flat Filter Box And Throwaway Filters, Add	2,851.67	
		For Medium Capacity Filter Box And Throwaway Filters, Add	5,507.59	
		For Combination Filter Mixing Box And Throwaway Filters, Add	6,966.05	
		For Manual Roll Filter, Add	14,542.30	
		For Automatic Roll Filter, Add	14,542.30	
		For Hot Water Heating Coil, Aluminum Fins, Add	3,177.92	
		For Electric Heating Coil, Add	3,683.01	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	12,016.89	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	12,016.89	
		For Chilled Water Cooling Coil, Copper Fins, Add	14,542.30	
		For Direct Expansion Cooling Coil, Copper Fins, Add	14,542.30	
		For 2 Coils, Independent Circuits, Add	3,683.01	
23 73 13 00-0067	EA	9,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	33,555.45	4,943.90
		For Economizer, Panel, Controls And Damper(s), Add	3,756.07	
		For Flat Filter Box And Throwaway Filters, Add	3,003.54	
		For Medium Capacity Filter Box And Throwaway Filters, Add	5,795.87	
		For Combination Filter Mixing Box And Throwaway Filters, Add	7,332.84	
		For Manual Roll Filter, Add	15,287.42	
		For Automatic Roll Filter, Add	15,287.42	
		For Hot Water Heating Coil, Aluminum Fins, Add	3,355.55	
		For Electric Heating Coil, Add	3,885.85	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	12,635.89	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	12,635.89	
		For Chilled Water Cooling Coil, Copper Fins, Add	15,287.42	
		For Direct Expansion Cooling Coil, Copper Fins, Add	15,287.42	
		For 2 Coils, Independent Circuits, Add	3,885.85	
23 73 13 00-0068	EA	10,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	35,470.14	5,336.86
		For Economizer, Panel, Controls And Damper(s), Add	3,468.73	
		For Flat Filter Box And Throwaway Filters, Add	3,165.56	
		For Medium Capacity Filter Box And Throwaway Filters, Add	6,102.25	
		For Combination Filter Mixing Box And Throwaway Filters, Add	7,723.17	
		For Manual Roll Filter, Add	16,075.48	
		For Automatic Roll Filter, Add	16,075.48	
		For Hot Water Heating Coil, Aluminum Fins, Add	3,547.01	
		For Electric Heating Coil, Add	4,103.83	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	13,291.38	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	13,291.38	
		For Chilled Water Cooling Coil, Copper Fins, Add	16,075.48	
		For Direct Expansion Cooling Coil, Copper Fins, Add	16,075.48	
		For 2 Coils, Independent Circuits, Add	4,103.83	
23 73 13 00-0069	EA	11,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	36,470.37	5,540.82
		For Economizer, Panel, Controls And Damper(s), Add	3,560.24	
		For Flat Filter Box And Throwaway Filters, Add	3,250.33	
		For Medium Capacity Filter Box And Throwaway Filters, Add	6,262.64	
		For Combination Filter Mixing Box And Throwaway Filters, Add	7,927.47	
		For Manual Roll Filter, Add	16,488.35	
		For Automatic Roll Filter, Add	16,488.35	
		For Hot Water Heating Coil, Aluminum Fins, Add	3,647.04	
		For Electric Heating Coil, Add	4,217.76	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	13,634.72	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	13,634.72	
		For Chilled Water Cooling Coil, Copper Fins, Add	16,488.35	
		For Direct Expansion Cooling Coil, Copper Fins, Add	16,488.35	
		For 2 Coils, Independent Circuits, Add	4,217.76	
23 73 13 00-0070	EA	12,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	37,424.79	5,738.55
		For Economizer, Panel, Controls And Damper(s), Add	3,638.00	
		For Flat Filter Box And Throwaway Filters, Add	3,332.81	
		For Medium Capacity Filter Box And Throwaway Filters, Add	6,419.83	
		For Combination Filter Mixing Box And Throwaway Filters, Add	8,127.20	
		For Manual Roll Filter, Add	16,896.64	
		For Automatic Roll Filter, Add	16,896.64	
		For Hot Water Heating Coil, Aluminum Fins, Add	3,742.48	
		For Electric Heating Coil, Add	4,327.11	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	13,973.49	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	13,973.49	
		For Chilled Water Cooling Coil, Copper Fins, Add	16,896.64	
		For Direct Expansion Cooling Coil, Copper Fins, Add	16,896.64	
		For 2 Coils, Independent Circuits, Add	4,327.11	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0071	EA		13,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	42,308.69	5,969.20
			For Economizer, Panel, Controls And Damper(s), Add	3,110.04	
			For Flat Filter Box And Throwaway Filters, Add	3,803.36	
			For Medium Capacity Filter Box And Throwaway Filters, Add	7,350.21	
			For Combination Filter Mixing Box And Throwaway Filters, Add	9,294.64	
			For Manual Roll Filter, Add	19,422.18	
			For Automatic Roll Filter, Add	19,422.18	
			For Hot Water Heating Coil, Aluminum Fins, Add	4,230.87	
			For Electric Heating Coil, Add	4,906.04	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	16,046.33	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	16,046.33	
			For Chilled Water Cooling Coil, Copper Fins, Add	19,422.18	
			For Direct Expansion Cooling Coil, Copper Fins, Add	19,422.18	
			For 2 Coils, Independent Circuits, Add	4,906.04	
23 73 13 00-0072	EA		15,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	47,154.85	6,205.66
			For Economizer, Panel, Controls And Damper(s), Add	3,287.14	
			For Flat Filter Box And Throwaway Filters, Add	4,272.02	
			For Medium Capacity Filter Box And Throwaway Filters, Add	8,277.95	
			For Combination Filter Mixing Box And Throwaway Filters, Add	10,458.31	
			For Manual Roll Filter, Add	21,943.95	
			For Automatic Roll Filter, Add	21,943.95	
			For Hot Water Heating Coil, Aluminum Fins, Add	4,715.49	
			For Electric Heating Coil, Add	5,481.19	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	18,115.40	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	18,115.40	
			For Chilled Water Cooling Coil, Copper Fins, Add	21,943.95	
			For Direct Expansion Cooling Coil, Copper Fins, Add	21,943.95	
			For 2 Coils, Independent Circuits, Add	5,481.19	
23 73 13 00-0073	EA		16,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	54,222.00	6,439.71
			For Economizer, Panel, Controls And Damper(s), Add	3,344.04	
			For Flat Filter Box And Throwaway Filters, Add	4,962.47	
			For Medium Capacity Filter Box And Throwaway Filters, Add	9,649.11	
			For Combination Filter Mixing Box And Throwaway Filters, Add	12,176.32	
			For Manual Roll Filter, Add	25,684.56	
			For Automatic Roll Filter, Add	25,684.56	
			For Hot Water Heating Coil, Aluminum Fins, Add	5,422.20	
			For Electric Heating Coil, Add	6,322.75	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	21,181.81	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	21,181.81	
			For Chilled Water Cooling Coil, Copper Fins, Add	25,684.56	
			For Direct Expansion Cooling Coil, Copper Fins, Add	25,684.56	
			For 2 Coils, Independent Circuits, Add	6,322.75	
23 73 13 00-0074	EA		17,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	61,293.75	6,671.46
			For Economizer, Panel, Controls And Damper(s), Add	3,401.75	
			For Flat Filter Box And Throwaway Filters, Add	5,653.16	
			For Medium Capacity Filter Box And Throwaway Filters, Add	11,020.59	
			For Combination Filter Mixing Box And Throwaway Filters, Add	13,894.79	
			For Manual Roll Filter, Add	29,425.63	
			For Automatic Roll Filter, Add	29,425.63	
			For Hot Water Heating Coil, Aluminum Fins, Add	6,129.38	
			For Electric Heating Coil, Add	7,164.76	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	24,248.68	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	24,248.68	
			For Chilled Water Cooling Coil, Copper Fins, Add	29,425.63	
			For Direct Expansion Cooling Coil, Copper Fins, Add	29,425.63	
			For 2 Coils, Independent Circuits, Add	7,164.76	
23 73 13 00-0075	EA		20,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	68,825.99	7,233.26
			For Economizer, Panel, Controls And Damper(s), Add	3,542.87	
			For Flat Filter Box And Throwaway Filters, Add	6,366.06	
			For Medium Capacity Filter Box And Throwaway Filters, Add	9,497.44	
			For Combination Filter Mixing Box And Throwaway Filters, Add	15,656.89	
			For Manual Roll Filter, Add	24,431.18	
			For Automatic Roll Filter, Add	30,280.71	
			For Hot Water Heating Coil, Aluminum Fins, Add	6,882.60	
			For Electric Heating Coil, Add	8,052.50	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	24,431.18	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	24,431.18	
			For Steam Heating Coil, Aluminum Fins, Add	12,732.13	
			For Chilled Water Cooling Coil, Copper Fins, Add	30,280.71	
			For Direct Expansion Cooling Coil, Copper Fins, Add	30,280.71	
			For 2 Coils, Independent Circuits, Add	8,052.50	
23 73 13 00-0076	EA		22,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	74,229.14	7,865.30
			For Economizer, Panel, Controls And Damper(s), Add	3,441.18	
			For Flat Filter Box And Throwaway Filters, Add	6,864.19	
			For Medium Capacity Filter Box And Throwaway Filters, Add	10,240.41	
			For Combination Filter Mixing Box And Throwaway Filters, Add	16,881.11	
			For Manual Roll Filter, Add	26,339.30	
			For Automatic Roll Filter, Add	32,644.76	
			For Hot Water Heating Coil, Aluminum Fins, Add	7,422.91	
			For Electric Heating Coil, Add	8,684.01	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	26,339.30	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	26,339.30	
			For Steam Heating Coil, Aluminum Fins, Add	13,728.38	
			For Chilled Water Cooling Coil, Copper Fins, Add	32,644.76	
			For Direct Expansion Cooling Coil, Copper Fins, Add	32,644.76	
			For 2 Coils, Independent Circuits, Add	8,684.01	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 73 13 00-0077	EA	25,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	88,577.41	8,497.02
		For Economizer, Panel, Controls And Damper(s), Add	3,585.37	
		For Flat Filter Box And Throwaway Filters, Add	8,250.95	
		For Medium Capacity Filter Box And Throwaway Filters, Add	12,315.75	
		For Combination Filter Mixing Box And Throwaway Filters, Add	20,323.98	
		For Manual Roll Filter, Add	31,790.22	
		For Automatic Roll Filter, Add	39,434.38	
		For Hot Water Heating Coil, Aluminum Fins, Add	8,857.74	
		For Electric Heating Coil, Add	10,386.57	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	31,790.22	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	31,790.22	
		For Steam Heating Coil, Aluminum Fins, Add	16,501.90	
		For Chilled Water Cooling Coil, Copper Fins, Add	39,434.38	
		For Direct Expansion Cooling Coil, Copper Fins, Add	39,434.38	
		For 2 Coils, Independent Circuits, Add	10,386.57	
23 73 13 00-0078	EA	27,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	100,138.96	9,199.58
		For Economizer, Panel, Controls And Damper(s), Add	3,733.54	
		For Flat Filter Box And Throwaway Filters, Add	9,357.72	
		For Medium Capacity Filter Box And Throwaway Filters, Add	13,970.96	
		For Combination Filter Mixing Box And Throwaway Filters, Add	23,066.20	
		For Manual Roll Filter, Add	36,118.50	
		For Automatic Roll Filter, Add	44,820.04	
		For Hot Water Heating Coil, Aluminum Fins, Add	10,013.90	
		For Electric Heating Coil, Add	11,754.20	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	36,118.50	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	36,118.50	
		For Steam Heating Coil, Aluminum Fins, Add	18,715.43	
		For Chilled Water Cooling Coil, Copper Fins, Add	44,820.04	
		For Direct Expansion Cooling Coil, Copper Fins, Add	44,820.04	
		For 2 Coils, Independent Circuits, Add	11,754.20	
23 73 13 00-0079	EA	30,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	108,540.01	9,902.14
		For Economizer, Panel, Controls And Damper(s), Add	3,887.82	
		For Flat Filter Box And Throwaway Filters, Add	10,146.40	
		For Medium Capacity Filter Box And Throwaway Filters, Add	15,148.83	
		For Combination Filter Mixing Box And Throwaway Filters, Add	25,012.19	
		For Manual Roll Filter, Add	39,170.37	
		For Automatic Roll Filter, Add	48,609.16	
		For Hot Water Heating Coil, Aluminum Fins, Add	10,854.00	
		For Electric Heating Coil, Add	12,741.76	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	39,170.37	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	39,170.37	
		For Steam Heating Coil, Aluminum Fins, Add	20,292.79	
		For Chilled Water Cooling Coil, Copper Fins, Add	48,609.16	
		For Direct Expansion Cooling Coil, Copper Fins, Add	48,609.16	
		For 2 Coils, Independent Circuits, Add	12,741.76	
23 73 13 00-0080	EA	32,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	121,304.34	11,586.96
		For Economizer, Panel, Controls And Damper(s), Add	3,897.09	
		For Flat Filter Box And Throwaway Filters, Add	11,303.60	
		For Medium Capacity Filter Box And Throwaway Filters, Add	16,872.72	
		For Combination Filter Mixing Box And Throwaway Filters, Add	27,845.58	
		For Manual Roll Filter, Add	43,560.73	
		For Automatic Roll Filter, Add	54,037.50	
		For Hot Water Heating Coil, Aluminum Fins, Add	12,130.43	
		For Electric Heating Coil, Add	14,225.79	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	43,560.73	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	43,560.73	
		For Steam Heating Coil, Aluminum Fins, Add	22,607.20	
		For Chilled Water Cooling Coil, Copper Fins, Add	54,037.50	
		For Direct Expansion Cooling Coil, Copper Fins, Add	54,037.50	
		For 2 Coils, Independent Circuits, Add	14,225.79	
23 73 13 00-0081	EA	35,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	121,922.83	12,008.61
		For Economizer, Panel, Controls And Damper(s), Add	3,974.40	
		For Flat Filter Box And Throwaway Filters, Add	11,334.52	
		For Medium Capacity Filter Box And Throwaway Filters, Add	16,916.01	
		For Combination Filter Mixing Box And Throwaway Filters, Add	27,907.43	
		For Manual Roll Filter, Add	43,622.58	
		For Automatic Roll Filter, Add	54,099.35	
		For Hot Water Heating Coil, Aluminum Fins, Add	12,192.28	
		For Electric Heating Coil, Add	14,287.64	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	43,622.58	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	43,622.58	
		For Steam Heating Coil, Aluminum Fins, Add	22,669.05	
		For Chilled Water Cooling Coil, Copper Fins, Add	54,099.35	
		For Direct Expansion Cooling Coil, Copper Fins, Add	54,099.35	
		For 2 Coils, Independent Circuits, Add	14,287.64	
23 73 13 00-0082	EA	37,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	127,521.01	12,429.57
		For Economizer, Panel, Controls And Damper(s), Add	4,051.71	
		For Flat Filter Box And Throwaway Filters, Add	11,863.42	
		For Medium Capacity Filter Box And Throwaway Filters, Add	17,706.26	
		For Combination Filter Mixing Box And Throwaway Filters, Add	29,214.21	
		For Manual Roll Filter, Add	45,676.31	
		For Automatic Roll Filter, Add	56,651.05	
		For Hot Water Heating Coil, Aluminum Fins, Add	12,752.10	
		For Electric Heating Coil, Add	14,947.05	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	45,676.31	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	45,676.31	
		For Steam Heating Coil, Aluminum Fins, Add	23,726.84	
		For Chilled Water Cooling Coil, Copper Fins, Add	56,651.05	
		For Direct Expansion Cooling Coil, Copper Fins, Add	56,651.05	
		For 2 Coils, Independent Circuits, Add	14,947.05	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0083	EA		40,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	133,419.91	13,342.90
			For Economizer, Panel, Controls And Damper(s), Add	4,211.07	
			For Flat Filter Box And Throwaway Filters, Add	12,389.56	
			For Medium Capacity Filter Box And Throwaway Filters, Add	18,489.10	
			For Combination Filter Mixing Box And Throwaway Filters, Add	30,497.70	
			For Manual Roll Filter, Add	47,653.40	
			For Automatic Roll Filter, Add	59,090.54	
			For Hot Water Heating Coil, Aluminum Fins, Add	13,341.99	
			For Electric Heating Coil, Add	15,629.42	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	47,653.40	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	47,653.40	
			For Steam Heating Coil, Aluminum Fins, Add	24,779.13	
			For Chilled Water Cooling Coil, Copper Fins, Add	59,090.54	
			For Direct Expansion Cooling Coil, Copper Fins, Add	59,090.54	
			For 2 Coils, Independent Circuits, Add	15,629.42	
23 73 13 00-0084	EA		45,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	143,789.13	14,045.16
			For Economizer, Panel, Controls And Damper(s), Add	4,326.97	
			For Flat Filter Box And Throwaway Filters, Add	13,380.13	
			For Medium Capacity Filter Box And Throwaway Filters, Add	19,970.31	
			For Combination Filter Mixing Box And Throwaway Filters, Add	32,950.92	
			For Manual Roll Filter, Add	51,522.93	
			For Automatic Roll Filter, Add	63,904.27	
			For Hot Water Heating Coil, Aluminum Fins, Add	14,378.91	
			For Electric Heating Coil, Add	16,855.18	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	51,522.93	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	51,522.93	
			For Steam Heating Coil, Aluminum Fins, Add	26,760.25	
			For Chilled Water Cooling Coil, Copper Fins, Add	63,904.27	
			For Direct Expansion Cooling Coil, Copper Fins, Add	63,904.27	
			For 2 Coils, Independent Circuits, Add	16,855.18	
23 73 13 00-0085	EA		50,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	154,579.70	14,817.65
			For Economizer, Panel, Controls And Damper(s), Add	4,019.50	
			For Flat Filter Box And Throwaway Filters, Add	14,398.22	
			For Medium Capacity Filter Box And Throwaway Filters, Add	21,491.36	
			For Combination Filter Mixing Box And Throwaway Filters, Add	35,465.68	
			For Manual Roll Filter, Add	55,473.40	
			For Automatic Roll Filter, Add	68,811.87	
			For Hot Water Heating Coil, Aluminum Fins, Add	15,457.97	
			For Electric Heating Coil, Add	18,125.67	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	55,473.40	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	55,473.40	
			For Steam Heating Coil, Aluminum Fins, Add	28,796.45	
			For Chilled Water Cooling Coil, Copper Fins, Add	68,811.87	
			For Direct Expansion Cooling Coil, Copper Fins, Add	68,811.87	
			For 2 Coils, Independent Circuits, Add	18,125.67	
23 73 13 00-0086	EA		55,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	166,515.85	15,730.59
			For Economizer, Panel, Controls And Damper(s), Add	4,146.03	
			For Flat Filter Box And Throwaway Filters, Add	15,528.57	
			For Medium Capacity Filter Box And Throwaway Filters, Add	23,180.55	
			For Combination Filter Mixing Box And Throwaway Filters, Add	38,259.92	
			For Manual Roll Filter, Add	59,868.25	
			For Automatic Roll Filter, Add	74,273.80	
			For Hot Water Heating Coil, Aluminum Fins, Add	16,651.59	
			For Electric Heating Coil, Add	19,532.70	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	59,868.25	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	59,868.25	
			For Steam Heating Coil, Aluminum Fins, Add	31,057.14	
			For Chilled Water Cooling Coil, Copper Fins, Add	74,273.80	
			For Direct Expansion Cooling Coil, Copper Fins, Add	74,273.80	
			For 2 Coils, Independent Circuits, Add	19,532.70	
23 73 13 00-0087	EA		60,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	178,632.65	16,151.94
			For Economizer, Panel, Controls And Damper(s), Add	4,203.33	
			For Flat Filter Box And Throwaway Filters, Add	16,711.60	
			For Medium Capacity Filter Box And Throwaway Filters, Add	24,952.24	
			For Combination Filter Mixing Box And Throwaway Filters, Add	41,203.17	
			For Manual Roll Filter, Add	64,543.08	
			For Automatic Roll Filter, Add	80,103.02	
			For Hot Water Heating Coil, Aluminum Fins, Add	17,863.27	
			For Electric Heating Coil, Add	20,975.25	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	64,543.08	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	64,543.08	
			For Steam Heating Coil, Aluminum Fins, Add	33,423.20	
			For Chilled Water Cooling Coil, Copper Fins, Add	80,103.02	
			For Direct Expansion Cooling Coil, Copper Fins, Add	80,103.02	
			For 2 Coils, Independent Circuits, Add	20,975.25	
<b>23 73 13 00-0088</b>			<b>Return/Supply Air Fan <sup>(23 73 13)</sup></b>		
			Note: Includes vibration mounts.		
23 73 13 00-0089	EA		300 CFM Return Air Fan.....	3,169.21	561.71
23 73 13 00-0090	EA		500 CFM Return Air Fan.....	4,116.35	674.06
23 73 13 00-0091	EA		750 CFM Return Air Fan.....	4,299.94	702.16
23 73 13 00-0092	EA		1,000 CFM Return Air Fan.....	4,915.19	744.29
23 73 13 00-0093	EA		1,250 CFM Return Air Fan.....	5,063.27	779.40
23 73 13 00-0094	EA		1,500 CFM Return Air Fan.....	5,178.60	814.51
23 73 13 00-0095	EA		1,750 CFM Return Air Fan.....	5,434.79	856.65
23 73 13 00-0096	EA		2,000 CFM Return Air Fan.....	6,050.03	898.79
23 73 13 00-0097	EA		2,250 CFM Return Air Fan.....	6,338.75	940.92
23 73 13 00-0098	EA		2,500 CFM Return Air Fan.....	6,496.92	983.06
23 73 13 00-0099	EA		3,000 CFM Return Air Fan.....	6,875.63	1,088.40
23 73 13 00-0100	EA		3,500 CFM Return Air Fan.....	7,054.01	1,144.58

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 70 Central HVAC Equipment**

**23 73 Indoor Central-Station Air-Handling Units**



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 73 13 00-0101	EA	4,000 CFM Return Air Fan.....	7,222.13	1,193.74
23 73 13 00-0102	EA	4,500 CFM Return Air Fan.....	7,433.16	1,250.02
23 73 13 00-0103	EA	5,000 CFM Return Air Fan.....	7,621.26	1,313.22
23 73 13 00-0104	EA	5,500 CFM Return Air Fan.....	7,972.37	1,467.72
23 73 13 00-0105	EA	6,000 CFM Return Air Fan.....	9,049.13	1,741.60
23 73 13 00-0106	EA	6,500 CFM Return Air Fan.....	9,285.74	1,769.69
23 73 13 00-0107	EA	7,000 CFM Return Air Fan.....	9,393.26	1,776.72
23 73 13 00-0108	EA	8,000 CFM Return Air Fan.....	9,891.06	1,804.80
23 73 13 00-0109	EA	9,000 CFM Return Air Fan.....	10,113.71	1,825.87
23 73 13 00-0110	EA	10,000 CFM Return Air Fan.....	10,641.88	1,896.40
23 73 13 00-0111	EA	12,500 CFM Return Air Fan.....	11,343.16	1,931.11
23 73 13 00-0112	EA	15,000 CFM Return Air Fan.....	12,826.79	1,985.98
23 73 13 00-0113	EA	17,500 CFM Return Air Fan.....	13,990.98	2,092.63
23 73 13 00-0114	EA	20,000 CFM Return Air Fan.....	16,667.36	2,183.72
23 73 13 00-0115	EA	22,500 CFM Return Air Fan.....	17,468.63	2,259.87
23 73 13 00-0116	EA	25,000 CFM Return Air Fan.....	18,267.02	2,324.47
23 73 13 00-0117	EA	27,500 CFM Return Air Fan.....	19,352.77	2,556.22
23 73 13 00-0118	EA	30,000 CFM Return Air Fan.....	20,695.02	2,696.47
23 73 13 00-0119	EA	35,000 CFM Return Air Fan.....	23,370.29	2,808.74
23 73 13 00-0120	EA	40,000 CFM Return Air Fan.....	27,558.64	3,089.64
23 73 13 00-0121	EA	45,000 CFM Return Air Fan.....	33,937.97	3,510.99
23 73 13 00-0122	EA	50,000 CFM Return Air Fan.....	41,366.68	3,637.70
23 73 13 00-0123	EA	55,000 CFM Return Air Fan.....	43,307.41	3,742.73
23 73 13 00-0124	EA	60,000 CFM Return Air Fan.....	44,302.33	3,841.05
23 73 13 00-0125	EA	65,000 CFM Return Air Fan.....	46,463.20	4,009.49
23 73 13 00-0126	EA	70,000 CFM Return Air Fan.....	48,802.53	4,206.93
23 73 13 00-0127	EA	75,000 CFM Return Air Fan.....	52,499.67	4,413.29
23 73 13 00-0128	EA	80,000 CFM Return Air Fan.....	54,825.18	4,647.24
23 73 13 00-0129	EA	90,000 CFM Return Air Fan.....	56,600.53	4,911.89
23 73 13 00-0130	EA	100,000 CFM Return Air Fan.....	60,870.98	5,136.71
23 73 13 00-0131	EA	115,000 CFM Return Air Fan.....	65,498.59	5,382.41
23 73 13 00-0132	EA	130,000 CFM Return Air Fan.....	70,520.61	5,653.58
23 73 13 00-0133	EA	150,000 CFM Return Air Fan.....	77,183.13	5,954.75

**23 73 13 00-0134 Removal And Reinstallation Of Air Handling Unit (23 73 13)**

Note: Air handling units with filter and coils. Includes storage and cleaning. Excludes ductwork.

23 73 13 00-0135	EA	Removal And Reinstallation Of Up To 11,500 CFM Air Handling Unit.....	2,572.37	
23 73 13 00-0136	EA	Removal And Reinstallation Of >11,500 To 16,500 CFM Air Handling Unit.....	3,489.48	
23 73 13 00-0137	EA	Removal And Reinstallation Of >16,500 To 22,000 CFM Air Handling Unit.....	4,340.87	
23 73 13 00-0138	EA	Removal And Reinstallation Of >22,000 CFM Air Handling Unit.....	7,920.21	

**23 74 Packaged Outdoor HVAC Equipment (23 70)**

**23 74 16 Packaged Rooftop Air-Conditioning Units (23 74)**

**23 74 16 13 Packaged, Large-Capacity, Rooftop Air-Conditioning Units (23 74 16)**

**23 74 16 13-0001 Electric Cooling, Electric Heat, Self Contained Packaged Rooftop Air-Conditioning Units (23 74 16 13)**

Note: Electric heating capacity is approximately 1/2 the cooling capacity. Units < 5 tons have 14 SEER, units 5 to < 20 tons have 11 EER, and units 20 tons and over have 10 EER. Includes roof curb and economizer. Excludes crane and associated personnel. See CSI section 01 22 23 00-0800 for crane lifting equipment, 26 28 16 16-0001 for disconnects.

23 74 16 13-0002	EA	2 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	4,722.20	1,688.82
		For Unit Without Heat, Deduct	-348.70	
		For Unit Without Factory Installed Economizer, Deduct	-892.59	
		For Unit Without Roof Curb, Deduct	-648.69	
23 74 16 13-0003	EA	3 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	6,059.26	1,765.59
		For Unit Without Heat, Deduct	-420.67	
		For Unit Without Factory Installed Economizer, Deduct	-892.59	
		For Unit Without Roof Curb, Deduct	-648.69	
23 74 16 13-0004	EA	4 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	7,043.70	1,842.35
		For Unit Without Heat, Deduct	-475.01	
		For Unit Without Factory Installed Economizer, Deduct	-892.59	
		For Unit Without Roof Curb, Deduct	-648.69	
23 74 16 13-0005	EA	5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	8,344.03	1,957.50
		For Unit Without Heat, Deduct	-547.70	
		For Unit Without Factory Installed Economizer, Deduct	-892.59	
		For Unit Without Roof Curb, Deduct	-648.69	
23 74 16 13-0006	EA	6 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	9,078.53	2,072.66
		For Unit Without Heat, Deduct	-592.10	
		For Unit Without Factory Installed Economizer, Deduct	-892.59	
		For Unit Without Roof Curb, Deduct	-648.69	
23 74 16 13-0007	EA	7.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	10,154.71	2,226.18
		For Unit Without Heat, Deduct	-656.15	
		For Unit Without Factory Installed Economizer, Deduct	-911.05	
		For Unit Without Roof Curb, Deduct	-778.46	
23 74 16 13-0008	EA	8.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	10,889.22	2,341.33
		For Unit Without Heat, Deduct	-700.55	
		For Unit Without Factory Installed Economizer, Deduct	-911.05	
		For Unit Without Roof Curb, Deduct	-778.46	
23 74 16 13-0009	EA	10 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	11,965.40	2,494.85
		For Unit Without Heat, Deduct	-764.59	
		For Unit Without Factory Installed Economizer, Deduct	-931.67	
		For Unit Without Roof Curb, Deduct	-778.46	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0010	EA		12.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	14,431.70	2,695.99
			<i>For Unit Without Heat, Deduct</i>	-901.34	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,006.20	
			<i>For Unit Without Roof Curb, Deduct</i>	-778.46	
23 74 16 13-0011	EA		15 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	16,897.99	2,897.87
			<i>For Unit Without Heat, Deduct</i>	-1,038.09	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,902.06	
			<i>For Unit Without Roof Curb, Deduct</i>	-778.46	
23 74 16 13-0012	EA		17.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	19,288.51	3,099.25
			<i>For Unit Without Heat, Deduct</i>	-1,171.05	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,902.06	
			<i>For Unit Without Roof Curb, Deduct</i>	-778.46	
23 74 16 13-0013	EA		20 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	21,679.03	3,300.89
			<i>For Unit Without Heat, Deduct</i>	-1,304.01	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,902.06	
			<i>For Unit Without Roof Curb, Deduct</i>	-778.46	
23 74 16 13-0014	EA		22.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	24,299.18	3,636.61
			<i>For Unit Without Heat, Deduct</i>	-1,457.41	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,902.06	
			<i>For Unit Without Roof Curb, Deduct</i>	-778.46	
23 74 16 13-0015	EA		25 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	26,919.34	3,972.58
			<i>For Unit Without Heat, Deduct</i>	-1,610.81	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,902.06	
			<i>For Unit Without Roof Curb, Deduct</i>	-778.46	
23 74 16 13-0016	EA		27.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	29,641.19	4,346.94
			<i>For Unit Without Heat, Deduct</i>	-1,771.85	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,902.06	
			<i>For Unit Without Roof Curb, Deduct</i>	-1,149.22	
23 74 16 13-0017	EA		30 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	32,363.04	4,721.04
			<i>For Unit Without Heat, Deduct</i>	-1,932.89	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,902.06	
			<i>For Unit Without Roof Curb, Deduct</i>	-1,149.22	
23 74 16 13-0018	EA		35 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	37,706.36	5,507.88
			<i>For Unit Without Heat, Deduct</i>	-2,252.51	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,902.06	
			<i>For Unit Without Roof Curb, Deduct</i>	-1,149.22	
23 74 16 13-0019	EA		40 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	43,049.68	6,294.72
			<i>For Unit Without Heat, Deduct</i>	-2,572.13	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,902.06	
			<i>For Unit Without Roof Curb, Deduct</i>	-1,723.19	
23 74 16 13-0020	EA		45 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	47,357.67	7,100.75
			<i>For Unit Without Heat, Deduct</i>	-2,841.27	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,902.06	
			<i>For Unit Without Roof Curb, Deduct</i>	-1,723.19	
23 74 16 13-0021	EA		50 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	51,665.65	7,906.78
			<i>For Unit Without Heat, Deduct</i>	-3,110.40	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,902.06	
			<i>For Unit Without Roof Curb, Deduct</i>	-1,723.19	
23 74 16 13-0022	EA		55 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	56,882.35	8,674.43
			<i>For Unit Without Heat, Deduct</i>	-3,422.41	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,902.06	
			<i>For Unit Without Roof Curb, Deduct</i>	-2,133.92	
23 74 16 13-0023	EA		60 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	62,099.04	9,442.08
			<i>For Unit Without Heat, Deduct</i>	-3,734.42	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,902.06	
			<i>For Unit Without Roof Curb, Deduct</i>	-2,133.92	
23 74 16 13-0024	EA		65 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	67,164.17	10,209.73
			<i>For Unit Without Heat, Deduct</i>	-4,038.86	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,902.06	
			<i>For Unit Without Roof Curb, Deduct</i>	-2,268.24	
23 74 16 13-0025	EA		70 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	72,229.30	10,977.38
			<i>For Unit Without Heat, Deduct</i>	-4,343.29	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,902.06	
			<i>For Unit Without Roof Curb, Deduct</i>	-2,268.24	
23 74 16 13-0026	EA		75 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	77,396.78	11,821.79
			<i>For Unit Without Heat, Deduct</i>	-4,657.96	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,902.06	
			<i>For Unit Without Roof Curb, Deduct</i>	-2,524.02	
23 74 16 13-0027			<b>Electric Cooling, Gas Heat, Self Contained Packaged Rooftop Air-Conditioning Units</b> <small>(23 74 16 13)</small>		
			Note: Units < 5 tons have 14 SEER, units 5 to < 20 tons have 11 EER, and units 20 tons and over have 10 EER. Includes roof curb and economizer. Excludes crane and associated personnel. See CSI section 01 22 23 00-0800 for crane lifting equipment, 26 28 16 16-0001 for Disconnects.		
23 74 16 13-0028	EA		2 Ton Electric Cooling, 50 MBH Gas Heating, Self Contained Package Rooftop Unit.....	4,758.10	1,535.30
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-892.59	
			<i>For Unit Without Roof Curb, Deduct</i>	-648.69	
23 74 16 13-0029	EA		3 Ton Electric Cooling, 60 To 80 MBH Gas Heating, Self Contained Package Rooftop Unit.....	5,425.22	1,765.59
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-892.59	
			<i>For Unit Without Roof Curb, Deduct</i>	-648.69	
23 74 16 13-0030	EA		4 Ton Electric Cooling, 80 To 110 MBH Gas Heating, Self Contained Package Rooftop Unit.....	6,683.60	2,034.27
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-892.59	
			<i>For Unit Without Roof Curb, Deduct</i>	-648.69	
23 74 16 13-0031	EA		5 Ton Electric Cooling, 100 To 120 MBH Gas Heating, Self Contained Package Rooftop Unit.....	7,656.08	2,187.80
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-892.59	
			<i>For Unit Without Roof Curb, Deduct</i>	-648.69	
23 74 16 13-0032	EA		6 Ton Electric Cooling, 140 MBH Gas Heating, Self Contained Package Rooftop Unit.....	8,574.74	2,360.52
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-892.59	
			<i>For Unit Without Roof Curb, Deduct</i>	-648.69	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 70 Central HVAC Equipment****23 74 Packaged Outdoor HVAC Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 74 16 13-0033	EA		7.5 Ton Electric Cooling, 150 To 180 MBH Gas Heating, Self Contained Package Rooftop Unit.....	9,363.67	2,475.67
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-911.05	
			<i>For Unit Without Roof Curb, Deduct</i>	-778.46	
23 74 16 13-0034	EA		8.5 Ton Electric Cooling, 170 To 190 MBH Gas Heating, Self Contained Package Rooftop Unit.....	11,181.57	2,053.46
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-911.05	
			<i>For Unit Without Roof Curb, Deduct</i>	-778.46	
23 74 16 13-0035	EA		10 Ton Electric Cooling, 200 To 240 MBH Gas Heating, Self Contained Package Rooftop Unit.....	13,930.54	2,763.53
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-931.67	
			<i>For Unit Without Roof Curb, Deduct</i>	-778.46	
23 74 16 13-0036	EA		12.5 Ton Electric Cooling, 250 MBH Gas Heating, Self Contained Package Rooftop Unit.....	15,217.17	2,993.83
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,006.20	
			<i>For Unit Without Roof Curb, Deduct</i>	-778.46	
23 74 16 13-0037	EA		15 Ton Electric Cooling, 300 MBH Gas Heating, Self Contained Package Rooftop Unit.....	18,383.53	3,224.12
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,902.06	
			<i>For Unit Without Roof Curb, Deduct</i>	-778.46	
23 74 16 13-0038	EA		17.5 Ton Electric Cooling, 330 MBH Gas Heating, Self Contained Package Rooftop Unit.....	19,431.90	3,454.42
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,902.06	
			<i>For Unit Without Roof Curb, Deduct</i>	-778.46	
23 74 16 13-0039	EA		20 Ton Electric Cooling, 350 MBH Gas Heating, Self Contained Package Rooftop Unit.....	29,693.55	3,684.72
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,902.06	
			<i>For Unit Without Roof Curb, Deduct</i>	-778.46	
23 74 16 13-0040	EA		22.5 Ton Electric Cooling, 380 MBH Gas Heating, Self Contained Package Rooftop Unit.....	36,241.62	4,068.54
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,902.06	
			<i>For Unit Without Roof Curb, Deduct</i>	-778.46	
23 74 16 13-0041	EA		25 Ton Electric Cooling, 400 MBH Gas Heating, Self Contained Package Rooftop Unit.....	42,789.68	4,401.19
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,902.06	
			<i>For Unit Without Roof Curb, Deduct</i>	-778.46	
23 74 16 13-0042	EA		27.5 Ton Electric Cooling, 450 MBH Gas Heating, Self Contained Package Rooftop Unit.....	44,095.70	4,836.19
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,902.06	
			<i>For Unit Without Roof Curb, Deduct</i>	-1,149.22	
23 74 16 13-0043	EA		30 Ton Electric Cooling, 500 MBH Gas Heating, Self Contained Package Rooftop Unit.....	45,401.71	5,220.01
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,902.06	
			<i>For Unit Without Roof Curb, Deduct</i>	-1,149.22	
23 74 16 13-0044	EA		35 Ton Electric Cooling, 550 MBH Gas Heating, Self Contained Package Rooftop Unit.....	50,867.72	6,102.81
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,902.06	
			<i>For Unit Without Roof Curb, Deduct</i>	-1,149.22	
23 74 16 13-0045	EA		40 Ton Electric Cooling, 600 MBH Gas Heating, Self Contained Package Rooftop Unit.....	56,333.73	6,985.60
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,902.06	
			<i>For Unit Without Roof Curb, Deduct</i>	-1,723.19	
23 74 16 13-0046	EA		45 Ton Electric Cooling, 650 MBH Gas Heating, Self Contained Package Rooftop Unit.....	60,740.75	7,868.39
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,902.06	
			<i>For Unit Without Roof Curb, Deduct</i>	-1,723.19	
23 74 16 13-0047	EA		50 Ton Electric Cooling, 750 MBH Gas Heating, Self Contained Package Rooftop Unit.....	65,147.76	8,751.20
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,902.06	
			<i>For Unit Without Roof Curb, Deduct</i>	-1,723.19	
23 74 16 13-0048	EA		55 Ton Electric Cooling, 800 MBH Gas Heating, Self Contained Package Rooftop Unit.....	71,355.07	9,633.99
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,902.06	
			<i>For Unit Without Roof Curb, Deduct</i>	-2,133.92	
23 74 16 13-0049	EA		60 Ton Electric Cooling, 850 MBH Gas Heating, Self Contained Package Rooftop Unit.....	77,562.38	10,516.79
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,902.06	
			<i>For Unit Without Roof Curb, Deduct</i>	-2,133.92	
23 74 16 13-0050	EA		65 Ton Electric Cooling, 900 MBH Gas Heating, Self Contained Package Rooftop Unit.....	83,048.79	10,958.18
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,902.06	
			<i>For Unit Without Roof Curb, Deduct</i>	-2,268.24	
23 74 16 13-0051	EA		70 Ton Electric Cooling, 950 MBH Gas Heating, Self Contained Package Rooftop Unit.....	88,509.60	11,380.39
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,902.06	
			<i>For Unit Without Roof Curb, Deduct</i>	-2,268.24	
23 74 16 13-0052	EA		75 Ton Electric Cooling, 1,000 MBH Gas Heating, Self Contained Package Rooftop Unit.....	93,996.00	11,821.79
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,902.06	
			<i>For Unit Without Roof Curb, Deduct</i>	-2,524.02	
23 74 16 13-0053	EA		80 Ton Electric Cooling, 1,100 MBH Gas Heating, Self Contained Package Rooftop Unit.....	99,508.01	12,282.38
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,902.06	
			<i>For Unit Without Roof Curb, Deduct</i>	-2,524.02	
23 74 16 13-0054	EA		90 Ton Electric Cooling, 1,200 MBH Gas Heating, Self Contained Package Rooftop Unit.....	135,202.90	14,431.79
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,902.06	
			<i>For Unit Without Roof Curb, Deduct</i>	-2,524.02	
23 74 16 13-0055	EA		100 Ton Electric Cooling, 1,350 MBH Gas Heating, Self Contained Package Rooftop Unit.....	155,813.87	17,579.16
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,902.06	
			<i>For Unit Without Roof Curb, Deduct</i>	-2,524.02	

**23 74 16 13-0056****AAON Rooftop Units** (23 74 16 13)

Note: Units < 5 tons have 14 SEER, units 5 to < 20 tons have 11 EER, and units 20 tons and over have 10 EER. Excludes crane and associated personnel. See CSI section 01 22 23 00-0800 for crane lifting equipment, 26 28 16 16-0001 for disconnects.

**23 74 16 13-0057****AAON RQ Rooftop Units** (23 74 16 13-0056)

Note: Includes 2" double wall foam panel construction, direct drive fan with VFD (or ECM motor), single stage on/off scroll compressor, terminal strip for field supplied thermostat, gas heat, manually adjustable OSA damper, microchannel condenser coils. Excludes economizer, controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel. See CSI section 01 22 23 00-0800 for crane lifting equipment.

23 74 16 13-0058	EA		2 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-002) .....	10,800.17	1,535.30
			<i>For Factory Installed And Wired Dry Bulb Economizer, Add</i>	1,108.35	
			<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	1,202.49	
			<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	946.71	
			<i>For Factory Installed Non-Fused Disconnect, Add</i>	1,083.48	
			<i>For Factory Installed Exhaust Fan, Add</i>	5,523.98	
			<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	1,289.52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0059	EA		3 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-003) ..... For Factory Installed And Wired Dry Bulb Economizer, Add For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add For Factory Authorized Start Up, 4 Hour, One Trip, Add For Factory Installed Non-Fused Disconnect, Add For Factory Installed Exhaust Fan, Add For Hot Water Coil In Lieu Of Gas Heat, Add	11,799.95 1,188.28 1,289.52 1,014.21 1,161.63 5,523.98 1,289.52	1,765.59
23 74 16 13-0060	EA		4 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-004) ..... For Factory Installed And Wired Dry Bulb Economizer, Add For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add For Factory Authorized Start Up, 4 Hour, One Trip, Add For Factory Installed Non-Fused Disconnect, Add For Factory Installed Exhaust Fan, Add For Hot Water Coil In Lieu Of Gas Heat, Add	12,316.26 1,188.28 1,289.52 1,014.21 1,161.63 5,523.98 1,289.52	2,034.27
23 74 16 13-0061	EA		5 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-005) ..... For Factory Installed And Wired Dry Bulb Economizer, Add For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add For Factory Authorized Start Up, 4 Hour, One Trip, Add For Factory Installed Non-Fused Disconnect, Add For Factory Installed Exhaust Fan, Add For Hot Water Coil In Lieu Of Gas Heat, Add	12,661.29 1,188.28 1,289.52 1,014.21 1,161.63 5,523.98 1,289.52	2,187.80
23 74 16 13-0062	EA		6 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-006) ..... For Factory Installed And Wired Dry Bulb Economizer, Add For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add For Factory Authorized Start Up, 4 Hour, One Trip, Add For Factory Installed Non-Fused Disconnect, Add For Factory Installed Exhaust Fan, Add For Hot Water Coil In Lieu Of Gas Heat, Add	13,841.86 1,188.28 1,289.52 1,014.21 1,161.63 5,523.98 1,289.52	2,667.63
<b>23 74 16 13-0063</b>			<b>AAON RNA Rooftop Units</b> <small>(23 74 16 13-0056)</small> Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, single stage on/off compressor, terminal strip for field provided thermostat, gas heat, manually adjustable OSA damper. Excludes economizer, controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel. See CSI section 01 22 23 00-0800 for crane lifting equipment.		
23 74 16 13-0064	EA		6 Ton, Air Cooled Packaged Rooftop Units (AAON RNA-006) ..... For Factory Installed And Wired Dry Bulb Economizer, Add For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add For Factory Authorized Start Up, 4 Hour, One Trip, Add For Factory Installed Non-Fused Disconnect, Add For Factory Installed Exhaust Fan, Add For Hot Water Coil In Lieu Of Gas Heat, Add	16,614.51 1,156.31 1,776.20 1,184.73 1,094.14 2,950.27 1,005.33	2,360.58
23 74 16 13-0065	EA		7 Ton, Air Cooled Packaged Rooftop Units (AAON RNA-007) ..... For Factory Installed And Wired Dry Bulb Economizer, Add For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add For Factory Authorized Start Up, 4 Hour, One Trip, Add For Factory Installed Non-Fused Disconnect, Add For Factory Installed Exhaust Fan, Add For Hot Water Coil In Lieu Of Gas Heat, Add	17,725.41 1,156.31 1,776.20 1,184.73 1,094.14 2,950.27 1,005.33	2,475.72
23 74 16 13-0066	EA		8 Ton, Air Cooled Packaged Rooftop Units (AAON RNA-008) ..... For Factory Installed And Wired Dry Bulb Economizer, Add For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add For Factory Authorized Start Up, 4 Hour, One Trip, Add For Factory Installed Non-Fused Disconnect, Add For Factory Installed Exhaust Fan, Add For Hot Water Coil In Lieu Of Gas Heat, Add	20,304.56 1,156.31 1,776.20 1,184.73 1,094.14 2,950.27 1,005.33	2,667.63
23 74 16 13-0067	EA		10 Ton, Air Cooled Packaged Rooftop Units (AAON RNA-010) ..... For Factory Installed And Wired Dry Bulb Economizer, Add For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add For Factory Authorized Start Up, 4 Hour, One Trip, Add For Factory Installed Non-Fused Disconnect, Add For Factory Installed Exhaust Fan, Add For Hot Water Coil In Lieu Of Gas Heat, Add	20,526.65 1,156.31 1,776.20 1,184.73 1,094.14 2,950.27 1,005.33	2,763.53
<b>23 74 16 13-0068</b>			<b>AAON RNB Rooftop Units</b> <small>(23 74 16 13-0056)</small> Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (1) on/off scroll compressors, terminal strip for field provided thermostat, gas heat, factory installed 3 position economizer. Excludes controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel. See CSI section 01 22 23 00-0800 for crane lifting equipment.		
23 74 16 13-0069	EA		9 Ton, Air Cooled Packaged Rooftop Units (AAON RNB-009) ..... For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add For Factory Authorized Start Up, 4 Hour, One Trip, Add For Factory Installed Non-Fused Disconnect, Add For Factory Installed Exhaust Fan, Add For Hot Water Coil In Lieu Of Gas Heat, Add	24,212.26 1,703.38 1,332.15 1,056.84 2,813.50 1,010.66	2,763.53
23 74 16 13-0070	EA		11 Ton, Air Cooled Packaged Rooftop Units (AAON RNB-011) ..... For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add For Factory Authorized Start Up, 4 Hour, One Trip, Add For Factory Installed Non-Fused Disconnect, Add For Factory Installed Exhaust Fan, Add For Hot Water Coil In Lieu Of Gas Heat, Add	24,371.00 1,703.38 1,332.15 1,056.84 2,813.50 1,010.66	2,686.77
23 74 16 13-0071	EA		13 Ton, Air Cooled Packaged Rooftop Units (AAON RNB-013) ..... For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add For Factory Authorized Start Up, 4 Hour, One Trip, Add For Factory Installed Non-Fused Disconnect, Add For Factory Installed Exhaust Fan, Add For Hot Water Coil In Lieu Of Gas Heat, Add	26,588.59 1,703.38 1,332.15 1,056.84 2,813.50 1,010.66	2,993.83

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 70 Central HVAC Equipment****23 74 Packaged Outdoor HVAC Equipment**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 74 16 13-0072	EA	15 Ton, Air Cooled Packaged Rooftop Units (AAON RNB-015) .....	27,307.72	3,224.12
		<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	1,703.38	
		<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	1,332.15	
		<i>For Factory Installed Non-Fused Disconnect, Add</i>	1,056.84	
		<i>For Factory Installed Exhaust Fan, Add</i>	2,813.50	
		<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	1,010.66	
<b>23 74 16 13-0073</b>		<b>AAON RNC Rooftop Units</b> <small>(23 74 16 13-0056)</small>		
		Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (2) on/off scroll compressors, terminal strip for field provided thermostat, gas heat, factory installed 3 position economizer. Excludes controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel.		
23 74 16 13-0074	EA	16 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-016) .....	34,931.18	3,224.12
		<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	2,515.10	
		<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	1,776.20	
		<i>For Factory Installed Non-Fused Disconnect, Add</i>	1,056.84	
		<i>For Factory Installed Exhaust Fan, Add</i>	5,159.86	
		<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	460.04	
23 74 16 13-0075	EA	18 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-018) .....	37,728.48	3,454.42
		<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	2,515.10	
		<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	1,776.20	
		<i>For Factory Installed Non-Fused Disconnect, Add</i>	1,056.84	
		<i>For Factory Installed Exhaust Fan, Add</i>	5,159.86	
		<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	460.04	
23 74 16 13-0076	EA	20 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-020) .....	39,984.02	3,684.72
		<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	2,515.10	
		<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	1,776.20	
		<i>For Factory Installed Non-Fused Disconnect, Add</i>	1,056.84	
		<i>For Factory Installed Exhaust Fan, Add</i>	5,159.86	
		<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	460.04	
23 74 16 13-0077	EA	25 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-025) .....	43,382.33	4,452.36
		<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	2,515.10	
		<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	1,776.20	
		<i>For Factory Installed Non-Fused Disconnect, Add</i>	1,056.84	
		<i>For Factory Installed Exhaust Fan, Add</i>	5,159.86	
		<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	460.04	
23 74 16 13-0078	EA	30 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-030) .....	49,246.00	5,220.01
		<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	2,515.10	
		<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	1,776.20	
		<i>For Factory Installed Non-Fused Disconnect, Add</i>	1,056.84	
		<i>For Factory Installed Exhaust Fan, Add</i>	5,159.86	
		<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	460.04	
<b>23 74 16 13-0079</b>		<b>AAON RND Rooftop Units</b> <small>(23 74 16 13-0056)</small>		
		Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (2) variable capacity digital scroll compressor and (2) on/off compressor, VAV unit controller (varies fan speed and compressor capacity for energy savings year round), cooling only - no heat, factory installed economizer with powered exhaust fans with VFD's, (building static pressure control), factory installed non-fused disconnect and factory start up. Excludes roof curb, items not specifically mentioned above. Excludes crane and associated personnel.		
23 74 16 13-0080	EA	26 Ton, Air Cooled Packaged Rooftop Units (AAON RND-026) .....	65,277.55	4,452.36
		<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	2,220.25	
		<i>For Factory Installed Non-Fused Disconnect, Add</i>	2,404.97	
		<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	3,374.78	
23 74 16 13-0081	EA	31 Ton, Air Cooled Packaged Rooftop Units (AAON RND-031) .....	74,420.09	5,220.01
		<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	2,220.25	
		<i>For Factory Installed Non-Fused Disconnect, Add</i>	2,404.97	
		<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	3,374.78	
23 74 16 13-0082	EA	40 Ton, Air Cooled Packaged Rooftop Units (AAON RND-040) .....	87,909.20	6,985.60
		<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	2,220.25	
		<i>For Factory Installed Non-Fused Disconnect, Add</i>	2,404.97	
		<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	3,374.78	
23 74 16 13-0083	EA	50 Ton, Air Cooled Packaged Rooftop Units (AAON RND-050) .....	103,247.36	8,751.20
		<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	2,220.25	
		<i>For Factory Installed Non-Fused Disconnect, Add</i>	2,404.97	
		<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	3,374.78	
23 74 16 13-0084	EA	60 Ton, Air Cooled Packaged Rooftop Units (AAON RND-060) .....	113,656.54	10,516.79
		<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	2,220.25	
		<i>For Factory Installed Non-Fused Disconnect, Add</i>	2,404.97	
		<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	3,374.78	
23 74 16 13-0085	EA	70 Ton, Air Cooled Packaged Rooftop Units (AAON RND-070) .....	119,687.23	11,380.44
		<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	2,220.25	
		<i>For Factory Installed Non-Fused Disconnect, Add</i>	2,404.97	
		<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	3,374.78	
<b>23 74 16 13-0086</b>		<b>AAON RNE Rooftop Units</b> <small>(23 74 16 13-0056)</small>		
		Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (1 or 2) variable speed VFD controlled scroll compressor and (1 or 2) on/off compressor, VAV unit controller (varies fan speed and compressor capacity for energy savings year round), cooling only - no heat, factory installed economizer with powered exhaust fans with VFD's, (building static pressure control), Microchannel condenser coils with VFD controlled condenser fans, factory installed non fused disconnect and factory start up. Excludes roof curb, items not specifically mentioned above. Excludes crane and associated personnel.		
23 74 16 13-0087	EA	55 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-055) .....	110,284.10	9,633.99
		<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	2,507.99	
		<i>For Factory Installed Non-Fused Disconnect, Add</i>	3,602.13	
		<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	4,795.74	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0088	EA		65 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-065) ..... For Factory Authorized Start Up, 4 Hour, One Trip, Add For Factory Installed Non-Fused Disconnect, Add For Hot Water Coil In Lieu Of Gas Heat, Add	121,579.00 2,507.99 3,602.13 4,795.74	10,958.23
23 74 16 13-0089	EA		75 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-075) ..... For Factory Authorized Start Up, 4 Hour, One Trip, Add For Factory Installed Non-Fused Disconnect, Add For Hot Water Coil In Lieu Of Gas Heat, Add	129,318.40 2,507.99 3,602.13 4,795.74	11,821.79
23 74 16 13-0090	EA		95 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-090) ..... For Factory Authorized Start Up, 4 Hour, One Trip, Add For Factory Installed Non-Fused Disconnect, Add For Hot Water Coil In Lieu Of Gas Heat, Add	156,981.92 2,507.99 3,602.13 4,795.74	16,005.48
23 74 16 13-0091	EA		105 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-105) ..... For Factory Authorized Start Up, 4 Hour, One Trip, Add For Factory Installed Non-Fused Disconnect, Add For Hot Water Coil In Lieu Of Gas Heat, Add	170,297.97 2,507.99 3,602.13 4,795.74	18,270.04
23 74 16 13-0092	EA		120 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-120) ..... For Factory Authorized Start Up, 4 Hour, One Trip, Add For Factory Installed Non-Fused Disconnect, Add For Hot Water Coil In Lieu Of Gas Heat, Add	198,250.01 2,507.99 3,602.13 4,795.74	20,112.39
23 74 16 13-0093	EA		130 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-130) ..... For Factory Authorized Start Up, 4 Hour, One Trip, Add For Factory Installed Non-Fused Disconnect, Add For Hot Water Coil In Lieu Of Gas Heat, Add	203,310.39 2,507.99 3,602.13 4,795.74	21,340.63
23 74 16 13-0094	EA		140 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-140) ..... For Factory Authorized Start Up, 4 Hour, One Trip, Add For Factory Installed Non-Fused Disconnect, Add For Hot Water Coil In Lieu Of Gas Heat, Add	213,506.87 2,507.99 3,602.13 4,795.74	23,873.88
23 74 16 13-0095			<b>Heat Pump, Packaged Rooftop Heat Pump Units</b> <small>(23 74 16 13)</small> See CSI section 01 22 23 00-0800 for crane lifting equipment, 26 28 16 16-0001 for disconnects.		
23 74 16 13-0096			<b>Packaged Rooftop Heat Pump Units</b> <small>(23 74 16 13-0095)</small> Note: Includes evaporator and condenser coils, electric heat, thermostatic expansion valve, compressor, evaporator and condenser fans, refrigerant charge, filter section with filter, operation and safety controls, motors, condensate drain pan, condenser coil guards, manual outside air damper, and roof curb. Excludes crane and associated personnel.		
23 74 16 13-0097	EA		2 Ton Packaged Rooftop Heat Pump ..... For Economizer With Outside Air Control, Add For Upgrade Of Economizer To OS Air Enthalpy Control, Add For Unit Without Roof Curb, Deduct	5,972.96 1,788.60 206.53 -648.69	1,381.77
23 74 16 13-0098	EA		2.5 Ton Packaged Rooftop Heat Pump ..... For Economizer With Outside Air Control, Add For Upgrade Of Economizer To OS Air Enthalpy Control, Add For Unit Without Roof Curb, Deduct	6,292.71 1,895.82 215.61 -648.69	1,485.45
23 74 16 13-0099	EA		3 Ton Packaged Rooftop Heat Pump ..... For Economizer With Outside Air Control, Add For Upgrade Of Economizer To OS Air Enthalpy Control, Add For Unit Without Roof Curb, Deduct	6,657.84 2,012.57 226.96 -648.69	1,589.03
23 74 16 13-0100	EA		3.5 Ton Packaged Rooftop Heat Pump ..... For Economizer With Outside Air Control, Add For Upgrade Of Economizer To OS Air Enthalpy Control, Add For Unit Without Roof Curb, Deduct	7,145.12 1,967.04 243.26 -648.69	1,709.91
23 74 16 13-0101	EA		4 Ton Packaged Rooftop Heat Pump ..... For Economizer With Outside Air Control, Add For Upgrade Of Economizer To OS Air Enthalpy Control, Add For Unit Without Roof Curb, Deduct	7,632.60 2,103.11 259.57 -648.69	1,830.89
23 74 16 13-0102	EA		5 Ton Packaged Rooftop Heat Pump ..... For Economizer With Outside Air Control, Add For Upgrade Of Economizer To OS Air Enthalpy Control, Add For Unit Without Roof Curb, Deduct	8,181.46 2,257.22 222.24 -648.69	1,969.07
23 74 16 13-0103	EA		6 Ton Packaged Rooftop Heat Pump ..... For Economizer With Outside Air Control, Add For Upgrade Of Economizer To OS Air Enthalpy Control, Add For Unit Without Roof Curb, Deduct	9,193.67 2,497.69 190.83 -648.69	2,124.44
23 74 16 13-0104	EA		7.5 Ton Packaged Rooftop Heat Pump ..... For Economizer With Outside Air Control, Add For Upgrade Of Economizer To OS Air Enthalpy Control, Add For Unit Without Roof Curb, Deduct	11,761.54 2,540.29 263.72 -778.46	2,228.13
23 74 16 13-0105	EA		8.5 Ton Packaged Rooftop Heat Pump ..... For Economizer With Outside Air Control, Add For Upgrade Of Economizer To OS Air Enthalpy Control, Add For Unit Without Roof Curb, Deduct	13,144.52 2,694.33 298.30 -778.46	2,400.79
23 74 16 13-0106	EA		10 Ton Packaged Rooftop Heat Pump ..... For Economizer With Outside Air Control, Add For Upgrade Of Economizer To OS Air Enthalpy Control, Add For Unit Without Roof Curb, Deduct	14,121.48 2,738.64 216.10 -778.46	2,487.18
23 74 16 13-0107	EA		12.5 Ton Packaged Rooftop Heat Pump ..... For Economizer With Outside Air Control, Add For Upgrade Of Economizer To OS Air Enthalpy Control, Add For Unit Without Roof Curb, Deduct	16,358.90 3,072.93 255.33 -778.46	2,694.44
23 74 16 13-0108	EA		15 Ton Packaged Rooftop Heat Pump ..... For Economizer With Outside Air Control, Add For Upgrade Of Economizer To OS Air Enthalpy Control, Add For Unit Without Roof Curb, Deduct	18,596.33 3,407.21 294.55 -778.46	2,901.72
23 74 16 13-0109	EA		17.5 Ton Packaged Rooftop Heat Pump ..... For Economizer With Outside Air Control, Add For Upgrade Of Economizer To OS Air Enthalpy Control, Add For Unit Without Roof Curb, Deduct	20,810.49 3,739.17 333.30 -778.46	3,108.98

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 70 Central HVAC Equipment**

**23 74 Packaged Outdoor HVAC Equipment**



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 74 16 13-0110	EA	20 Ton Packaged Rooftop Heat Pump	23,024.65	3,316.24
		<i>For Economizer With Outside Air Control, Add</i>	4,071.13	
		<i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	372.06	
		<i>For Unit Without Roof Curb, Deduct</i>	-778.46	

**23 74 16 13-0111 Heating Only Packaged Rooftop Units** (23 74 16 13-0095)

Note: Includes throwaway filters, filter rack, manual outside air damper, roof curbs and electric heat. Units are shipped fully factory assembled in one piece, prewired and include start-up. Excludes crane and associated personnel. See CSI section 01 22 23 00-0800 for crane lifting equipment, 26 28 16 16-0001 for disconnects.

23 74 16 13-0112	EA	24 MBH Electric Heating Only, Self Contained Package Rooftop Unit	5,719.35	1,381.77
		<i>For Gas Heat, Add</i>	363.51	
		<i>For Unit Without Roof Curb, Deduct</i>	-648.69	
23 74 16 13-0113	EA	32 MBH Electric Heating Only, Self Contained Package Rooftop Unit	6,712.37	1,589.03
		<i>For Gas Heat, Add</i>	427.49	
		<i>For Unit Without Roof Curb, Deduct</i>	-648.69	
23 74 16 13-0114	EA	45 MBH Electric Heating Only, Self Contained Package Rooftop Unit	9,114.27	1,830.89
		<i>For Gas Heat, Add</i>	589.18	
		<i>For Unit Without Roof Curb, Deduct</i>	-648.69	
23 74 16 13-0115	EA	60 MBH Electric Heating Only, Self Contained Package Rooftop Unit	10,261.88	1,969.07
		<i>For Gas Heat, Add</i>	665.82	
		<i>For Unit Without Roof Curb, Deduct</i>	-648.69	
23 74 16 13-0116	EA	95 MBH Electric Heating Only, Self Contained Package Rooftop Unit	12,040.64	2,228.13
		<i>For Gas Heat, Add</i>	783.43	
		<i>For Unit Without Roof Curb, Deduct</i>	-778.46	
23 74 16 13-0117	EA	112 MBH Electric Heating Only, Self Contained Package Rooftop Unit	13,539.78	2,400.79
		<i>For Gas Heat, Add</i>	883.76	
		<i>For Unit Without Roof Curb, Deduct</i>	-778.46	
23 74 16 13-0118	EA	140 MBH Electric Heating Only, Self Contained Package Rooftop Unit	15,948.23	2,487.18
		<i>For Gas Heat, Add</i>	1,050.05	
		<i>For Unit Without Roof Curb, Deduct</i>	-778.46	
23 74 16 13-0119	EA	170 MBH Electric Heating Only, Self Contained Package Rooftop Unit	20,645.81	2,901.72
		<i>For Gas Heat, Add</i>	1,367.83	
		<i>For Unit Without Roof Curb, Deduct</i>	-778.46	
23 74 16 13-0120	EA	200 MBH Electric Heating Only, Self Contained Package Rooftop Unit	27,113.62	3,108.98
		<i>For Gas Heat, Add</i>	1,815.05	
		<i>For Unit Without Roof Curb, Deduct</i>	-778.46	
23 74 16 13-0121	EA	230 MBH Electric Heating Only, Self Contained Package Rooftop Unit	31,584.18	3,316.24
		<i>For Gas Heat, Add</i>	2,122.46	
		<i>For Unit Without Roof Curb, Deduct</i>	-778.46	
23 74 16 13-0122	EA	270 MBH Electric Heating Only, Self Contained Package Rooftop Unit	40,931.35	3,661.69
		<i>For Gas Heat, Add</i>	2,767.55	
		<i>For Unit Without Roof Curb, Deduct</i>	-778.46	
23 74 16 13-0123	EA	330 MBH Electric Heating Only, Self Contained Package Rooftop Unit	51,140.88	4,659.63
		<i>For Gas Heat, Add</i>	3,463.79	
		<i>For Unit Without Roof Curb, Deduct</i>	-1,149.22	
23 74 16 13-0124	EA	360 MBH Electric Heating Only, Self Contained Package Rooftop Unit	62,786.05	4,698.01
		<i>For Gas Heat, Add</i>	4,269.74	
		<i>For Unit Without Roof Curb, Deduct</i>	-1,149.22	
23 74 16 13-0125	EA	450 MBH Electric Heating Only, Self Contained Package Rooftop Unit	76,428.05	5,492.57
		<i>For Gas Heat, Add</i>	5,203.50	
		<i>For Unit Without Roof Curb, Deduct</i>	-1,149.22	
23 74 16 13-0126	EA	540 MBH Electric Heating Only, Self Contained Package Rooftop Unit	99,118.38	7,081.61
		<i>For Gas Heat, Add</i>	6,749.45	
		<i>For Unit Without Roof Curb, Deduct</i>	-1,723.19	

**23 74 23 Packaged, Outdoor, Heating-Only Makeup-Air Units** (23 74)

**23 74 23 13 Packaged, Direct-Fired, Outdoor, Heating-Only Makeup-Air Units** (23 74 23)

**23 74 23 13-0001 Make-Up Air Units** (23 74 23 13)

Note: Units are shipped fully factory assembled in one piece, prewired, prepiped, charged with refrigerant. Includes throwaway filters and start-up. Excludes crane and associated personnel. See CSI section 01 22 23 00-0800 for crane lifting equipment.

**23 74 23 13-0002 Gas-Fired Electric Spark Make-Up Air Units** (23 74 23 13-0001)

Note: With 2-position damper curb filter and thermostat with capillary. Excludes crane and associated personnel. See CSI section 01 22 23 00-0801 for crane lifting equipment.

23 74 23 13-0003	EA	100,000 BTU 1/2 HP, 1,200 CFM, Make-up Air Unit, Gas Fired, Electric Spark	6,478.99	460.59
		<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	1,713.40	
		<i>For Equipment Base Roof Curb, Add</i>	786.84	
23 74 23 13-0004	EA	300,000 BTU 1-1/2 HP, 3,500 CFM, Make-up Air Unit, Gas Fired, Electric Spark	8,366.36	522.00
		<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	2,246.35	
		<i>For Equipment Base Roof Curb, Add</i>	1,019.44	
23 74 23 13-0005	EA	500,000 BTU 2 HP, 4,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark	11,627.76	614.11
		<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	3,181.27	
		<i>For Equipment Base Roof Curb, Add</i>	1,422.76	
23 74 23 13-0006	EA	670,000 BTU 3 HP, 6,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark	11,728.42	655.06
		<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	3,188.44	
		<i>For Equipment Base Roof Curb, Add</i>	1,433.04	
23 74 23 13-0007	EA	800,000 BTU 5 HP, 7,500 CFM, Make-up Air Unit, Gas Fired, Electric Spark	16,008.94	736.94
		<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	4,434.21	
		<i>For Equipment Base Roof Curb, Add</i>	1,964.27	
23 74 23 13-0008	EA	1,200,000 BTU 10 HP, 10,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark	24,251.30	921.18
		<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	6,814.80	
		<i>For Equipment Base Roof Curb, Add</i>	2,985.35	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**23 74 23 13-0009**

**Electric Make-Up Air Units** (23 74 23 13-0001)

Note: With 2-position damper curb filter and thermostat with capillary. Excludes crane and associated personnel. See CSI section 01 22 23 00-0801 for crane lifting equipment.

23 74 23 13-0010	EA		33 KW, 1/2 HP, 1,200 CFM Make-up Air Unit, Electric.....	13,322.56	460.59
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,766.47	
			For Equipment Base Roof Curb, Add	1,642.29	
23 74 23 13-0011	EA		100 KW, 1-1/2 HP, 3,500 CFM Make-up Air Unit, Electric.....	19,046.89	522.00
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	5,450.51	
			For Equipment Base Roof Curb, Add	2,354.51	
23 74 23 13-0012	EA		150 KW, 2 HP, 4,000 CFM Make-up Air Unit, Electric.....	23,597.47	614.11
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	6,772.18	
			For Equipment Base Roof Curb, Add	2,918.98	
23 74 23 13-0013	EA		250 KW, 5 HP, 7,500 CFM Make-up Air Unit, Electric.....	30,526.40	736.94
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	8,789.45	
			For Equipment Base Roof Curb, Add	3,778.95	
23 74 23 13-0014	EA		400 KW, 10 HP, 10,000 CFM Make-up Air Unit, Electric.....	49,352.26	921.18
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	14,345.09	
			For Equipment Base Roof Curb, Add	6,122.97	

**23 76 Evaporative Air-Cooling Equipment** (23 70)

**23 76 13 Direct Evaporative Air Coolers** (23 76)

**23 76 13 00-0001**

**Residential Side Or Down Draft Evaporative Cooling Unit** (23 76 13)

Note: Includes motor, belt and pads.

23 76 13 00-0002	EA		3,000 CFM, 1/3 HP Residential Side Or Down Draft Evaporative Cooling Unit.....	1,348.56	315.49
23 76 13 00-0003	EA		4,300 CFM, 1/3 HP Residential Side Or Down Draft Evaporative Cooling Unit.....	1,593.26	368.06
23 76 13 00-0004	EA		4,400 CFM, 1/2 HP Residential Side Or Down Draft Evaporative Cooling Unit.....	2,066.42	420.65
23 76 13 00-0005	EA		5,000 CFM, 3/4 HP Residential Side Or Down Draft Evaporative Cooling Unit.....	2,248.23	473.23
23 76 13 00-0006	EA		6,000 CFM, 3/4 HP Residential Side Or Down Draft Evaporative Cooling Unit.....	2,583.40	525.81
23 76 13 00-0007	EA		7,000 CFM, 1 HP Residential Side Or Down Draft Evaporative Cooling Unit.....	2,780.56	578.39

**23 76 13 00-0008**

**Industrial Side Draft/Side Discharge Evaporative Coolers** (23 76 13)

Note: Excludes motor starter, piping, power wiring and equipment rigging.

23 76 13 00-0009	EA		7,500 CFM, 3/4 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	2,586.37	305.77
23 76 13 00-0010	EA		8,500 CFM, 1 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	2,669.11	315.66
23 76 13 00-0011	EA		9,500 CFM, 1 1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	3,175.29	438.40
23 76 13 00-0012	EA		11,375 CFM, 2 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	6,817.09	517.49
23 76 13 00-0013	EA		13,020 CFM, 3 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	7,367.85	757.60
23 76 13 00-0014	EA		16,267 CFM, 3 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	8,444.06	808.10
23 76 13 00-0015	EA		15,438 CFM, 5 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	7,747.56	909.12
23 76 13 00-0016	EA		19,286 CFM, 5 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	9,186.51	1,136.40
23 76 13 00-0017	EA		17,672 CFM, 7-1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	9,203.90	1,485.49
23 76 13 00-0018	EA		22,077 CFM, 7-1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	10,252.29	1,515.19
23 76 13 00-0019	EA		24,301 CFM, 10 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	10,792.94	1,683.58
23 76 13 00-0020	EA		30,000 CFM, 20 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	14,460.98	2,630.57
23 76 13 00-0021	EA		35,000 CFM, 20 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	16,223.03	2,744.92

**23 80 Decentralized Unitary HVAC Equipment** (23)

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 23 05 29 00-0000 for hangers and supports, 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 16-0001 for disconnect.

**23 81 Decentralized Unitary HVAC Equipment** (23 80)

**23 81 13 Packaged Terminal Air-Conditioners** (23 81)

Note: Units consists of fresh air intake, throwaway filters, exhaust, automatic thermostat, hermetically sealed compressor with 5 year guarantee, "sleeve-type" construction, condensing fan motor enclosed, fan to be aluminum, three wire ground cord, multi speed fan, exposed steel parts to be phosphate bonderized with baked enamel finish and copper tubes mechanically expanded into aluminum of evaporator and condensing coils. Includes equipment rigging. Efficiency Rating (ER) not less than 9.

**23 81 13 11**

**Packaged Terminal Air-Conditioners, Through-Wall Units** (23 81 13)

**23 81 13 11-0001**

**Packaged Terminal Air-Conditioners** (23 81 13 11)

**23 81 13 11-0002**

**Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioners** (23 81 13 11-0001)

23 81 13 11-0003	EA		7,200 BTU, 13 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner.....	1,692.44	197.18
			For >35 To 70, Deduct	-38.94	
			For >70 To 100, Deduct	-64.90	
			For >100, Deduct	-90.87	
23 81 13 11-0004	EA		9,400 BTU, 12.1 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner.....	1,786.89	233.60
			For >35 To 70, Deduct	-39.61	
			For >70 To 100, Deduct	-66.01	
			For >100, Deduct	-92.41	
23 81 13 11-0005	EA		11,800 BTU, 11.6 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner.....	1,891.86	248.95
			For >35 To 70, Deduct	-41.80	
			For >70 To 100, Deduct	-69.67	
			For >100, Deduct	-97.54	
23 81 13 11-0006	EA		14,500 BTU, 10.4 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner.....	2,044.03	267.60
			For >35 To 70, Deduct	-45.27	
			For >70 To 100, Deduct	-75.45	
			For >100, Deduct	-105.63	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
<b>23 81 13 11-0007</b>	<b>Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioners</b> <small>(23 81 13 11-0007)</small>		
23 81 13 11-0008	EA 7,200 BTU, 13 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner ..... 1,801.96		207.28
	For >35 To 70, Deduct ..... -41.64		
	For >70 To 100, Deduct ..... -69.41		
	For >100, Deduct ..... -97.17		
23 81 13 11-0009	EA 9,400 BTU, 12.1 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner ..... 1,904.28		233.60
	For >35 To 70, Deduct ..... -43.13		
	For >70 To 100, Deduct ..... -71.88		
	For >100, Deduct ..... -100.63		
23 81 13 11-0010	EA 11,800 BTU, 11.6 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner ..... 1,976.93		248.95
	For >35 To 70, Deduct ..... -44.35		
	For >70 To 100, Deduct ..... -73.92		
	For >100, Deduct ..... -103.49		
23 81 13 11-0011	EA 14,500 BTU, 10.4 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner ..... 2,156.32		267.60
	For >35 To 70, Deduct ..... -48.64		
	For >70 To 100, Deduct ..... -81.07		
	For >100, Deduct ..... -113.49		
<b>23 81 13 11-0012</b>	<b>Packaged Terminal Air-Conditioners, Through-Wall Unit Sleeve</b> <small>(23 81 13 11)</small>		
	Note: Includes wall case, exterior grille, weather panel and steel closure panels. Includes bolts, nuts, washers, caulking and lintel supports. Not for use with new A/C units where wall sleeve is provided. Excludes cutting opening for unit or patching masonry or concrete.		
23 81 13 11-0013	EA Up To 10,000 BTU Unit, Thru Wall A/C Sleeve ..... 92.31		
23 81 13 11-0014	EA >10,000 To 20,000 BTU Unit, Thru Wall A/C Sleeve ..... 104.19		
23 81 13 11-0015	EA >20,000 To 30,000 BTU Unit, Thru Wall A/C Sleeve ..... 116.06		
<b>23 81 13 11-0016</b>	<b>Removal And Reinstallation Of Packaged Terminal Air-Conditioners, Through-Wall Units</b> <small>(23 81 13 11)</small>		
	Note: Includes storage and cleaning.		
23 81 13 11-0017	EA Removal And Reinstallation Of Packaged Terminal Air-Conditioners, Through-Wall Units ..... 210.33		
<b>23 81 13 13</b>	<b>Packaged Terminal Air-Conditioners, Outdoor, Wall-Mounted Units</b> <small>(23 81 13)</small>		
<b>23 81 13 13-0001</b>	<b>Single Package Vertical Wall Cooling Unit</b> <small>(23 81 13 13)</small>		
	Note: Air-to-air type with electric heat. Includes throwaway filters. Wall units are wired for 230/208 Volt, 1 phase, 60 HZ. With solid state electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls, insulated steel cabinet, with wall sleeve and outdoor grille and stainless steel drain pan. Excludes crane and associated personnel. See CSI section 01 22 23 00-0801 for crane lifting equipment.		
23 81 13 13-0002	EA 1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat ..... 4,122.36		239.28
23 81 13 13-0003	EA 1 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat ..... 6,632.83		250.67
23 81 13 13-0004	EA 1-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat ..... 8,666.49		262.07
23 81 13 13-0005	EA 2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat ..... 9,964.73		284.86
23 81 13 13-0006	EA 2-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat ..... 12,495.30		330.43
23 81 13 13-0007	EA 3 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat ..... 13,413.01		410.19
23 81 13 13-0008	EA 3-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat ..... 14,850.64		455.77
23 81 13 13-0009	EA 4 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat ..... 16,354.21		512.74
23 81 13 13-0010	EA 5 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat ..... 18,405.34		615.29
23 81 13 13-0011	EA 7-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat ..... 23,789.60		763.41
23 81 13 13-0012	EA 10 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat ..... 28,390.00		1,025.49
23 81 13 13-0013	EA 15 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat ..... 39,785.06		1,253.37
23 81 13 13-0014	EA 20 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat ..... 45,839.79		1,492.65
23 81 13 13-0015	EA 25 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat ..... 54,775.32		1,674.96
<b>23 81 16</b>	<b>Room Air-Conditioners</b> <small>(23 81)</small>		
	Note: Units consists of fresh air intake, throwaway filters, exhaust, automatic thermostat, hermetically sealed compressor with 5 year guarantee, "sleeve-type" construction, condensing fan motor enclosed, fan to be aluminum, three wire ground cord, multi speed fan, exposed steel parts to be phosphate bonderized with baked enamel finish and copper tubes mechanically expanded into aluminum of evaporator and condensing coils. Includes equipment rigging. Efficiency Rating (ER) not less than 9.		
23 81 16 00-0001	Window Unit, Room Air-Conditioners <small>(23 81 16)</small>		
23 81 16 00-0002	Cooling Only, Window Unit, Room Air-Conditioners <small>(23 81 16 00-0001)</small>		
23 81 16 00-0003	Cooling Only, Window Unit, Room Air-Conditioners (Frigidaire) <small>(23 81 16 00-0002)</small>		
23 81 16 00-0004	EA 5,000 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0533Q1) ..... 499.70		110.42
	For >10 To 50, Deduct ..... -13.94		
	For >50 To 75, Deduct ..... -19.52		
	For >75 To 100, Deduct ..... -27.89		
	For >100, Deduct ..... -33.46		
23 81 16 00-0005	EA 6,000 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0633Q1) ..... 527.72		110.42
	For >10 To 50, Deduct ..... -15.34		
	For >50 To 75, Deduct ..... -21.48		
	For >75 To 100, Deduct ..... -30.69		
	For >100, Deduct ..... -36.83		
23 81 16 00-0006	EA 8,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0833U1) ..... 597.79		110.42
	For >10 To 50, Deduct ..... -18.85		
	For >50 To 75, Deduct ..... -26.39		
	For >75 To 100, Deduct ..... -37.70		
	For >100, Deduct ..... -45.23		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 16 00-0007	EA		10,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1033U1) ..... 660.76	660.76	110.42
			<i>For &gt;10 To 50, Deduct</i>	-22.00	
			<i>For &gt;50 To 75, Deduct</i>	-30.79	
			<i>For &gt;75 To 100, Deduct</i>	-43.99	
			<i>For &gt;100, Deduct</i>	-52.79	
23 81 16 00-0008	EA		12,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1233Q1) ..... 822.00	822.00	110.42
			<i>For &gt;10 To 50, Deduct</i>	-30.06	
			<i>For &gt;50 To 75, Deduct</i>	-42.08	
			<i>For &gt;75 To 100, Deduct</i>	-60.12	
			<i>For &gt;100, Deduct</i>	-72.14	
23 81 16 00-0009	EA		15,100 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1533Q1) ..... 962.13	962.13	110.42
			<i>For &gt;10 To 50, Deduct</i>	-37.06	
			<i>For &gt;50 To 75, Deduct</i>	-51.89	
			<i>For &gt;75 To 100, Deduct</i>	-74.13	
			<i>For &gt;100, Deduct</i>	-88.95	
23 81 16 00-0010	EA		8,000 BTU, 10.9 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS0833Q1) ..... 906.08	906.08	110.42
			<i>For &gt;10 To 50, Deduct</i>	-34.26	
			<i>For &gt;50 To 75, Deduct</i>	-47.97	
			<i>For &gt;75 To 100, Deduct</i>	-68.52	
			<i>For &gt;100, Deduct</i>	-82.23	
23 81 16 00-0011	EA		10,000 BTU, 9.5 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS1022Q1) ..... 976.14	976.14	110.42
			<i>For &gt;10 To 50, Deduct</i>	-37.77	
			<i>For &gt;50 To 75, Deduct</i>	-52.87	
			<i>For &gt;75 To 100, Deduct</i>	-75.53	
			<i>For &gt;100, Deduct</i>	-90.64	
23 81 16 00-0012	EA		12,000 BTU, 9.5 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS1222Q1) ..... 1,032.19	1,032.19	110.42
			<i>For &gt;10 To 50, Deduct</i>	-40.57	
			<i>For &gt;50 To 75, Deduct</i>	-56.79	
			<i>For &gt;75 To 100, Deduct</i>	-81.14	
			<i>For &gt;100, Deduct</i>	-97.36	
23 81 16 00-0013	EA		18,500 BTU, 11.2 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1833Q2) ..... 1,088.24	1,088.24	110.42
			<i>For &gt;10 To 50, Deduct</i>	-43.37	
			<i>For &gt;50 To 75, Deduct</i>	-60.72	
			<i>For &gt;75 To 100, Deduct</i>	-86.74	
			<i>For &gt;100, Deduct</i>	-104.09	
23 81 16 00-0014	EA		22,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE2233S2) ..... 1,200.35	1,200.35	110.42
			<i>For &gt;10 To 50, Deduct</i>	-48.98	
			<i>For &gt;50 To 75, Deduct</i>	-68.57	
			<i>For &gt;75 To 100, Deduct</i>	-97.95	
			<i>For &gt;100, Deduct</i>	-117.54	
23 81 16 00-0015	EA		25,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE2533S2) ..... 1,214.36	1,214.36	110.42
			<i>For &gt;10 To 50, Deduct</i>	-49.68	
			<i>For &gt;50 To 75, Deduct</i>	-69.55	
			<i>For &gt;75 To 100, Deduct</i>	-99.35	
			<i>For &gt;100, Deduct</i>	-119.22	
23 81 16 00-0016	EA		28,000 BTU, 9.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRA2822R2) ..... 1,575.34	1,575.34	110.42
			<i>For &gt;10 To 50, Deduct</i>	-67.73	
			<i>For &gt;50 To 75, Deduct</i>	-94.82	
			<i>For &gt;75 To 100, Deduct</i>	-135.45	
			<i>For &gt;100, Deduct</i>	-162.54	
<b>23 81 16 00-0017</b>			<b>Cooling Only, Window Unit, Room Air-Conditioners (Friedrich Kuhl)</b> <small>(23 81 16 00-0002)</small>		
23 81 16 00-0018	EA		8,000 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS08N10C) ..... 1,669.82	1,669.82	110.42
23 81 16 00-0019	EA		10,000 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS10N10C) ..... 1,830.98	1,830.98	110.42
23 81 16 00-0020	EA		11,900 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS12N10C) ..... 1,904.24	1,904.24	110.42
23 81 16 00-0021	EA		12,000 BTU, 12.2 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS12N30C) ..... 1,933.54	1,933.54	110.42
23 81 16 00-0022	EA		20,000 BTU, 10.4 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SM18N30C) ..... 2,197.26	2,197.26	110.42
23 81 16 00-0023	EA		24,000 BTU, 10.4 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL24N30C) ..... 2,856.55	2,856.55	110.42
23 81 16 00-0024	EA		28,000 BTU, 10.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL28N30C) ..... 3,076.32	3,076.32	110.42
23 81 16 00-0025	EA		36,000 BTU, 9.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL36N30B) ..... 3,369.34	3,369.34	110.42
<b>23 81 16 00-0026</b>			<b>Heating And Cooling, Window Unit, Room Air-Conditioners</b> <small>(23 81 16 00-0001)</small>		
<b>23 81 16 00-0027</b>			<b>Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioners (Frigidaire)</b> <small>(23 81 16 00-0026)</small>		
23 81 16 00-0028	EA		8,000 BTU, 9.8 EER, 115 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH0822R1) ..... 1,032.19	1,032.19	110.42
			<i>For &gt;10 To 50, Deduct</i>	-40.57	
			<i>For &gt;50 To 75, Deduct</i>	-56.79	
			<i>For &gt;75 To 100, Deduct</i>	-81.14	
			<i>For &gt;100, Deduct</i>	-97.36	
23 81 16 00-0029	EA		12,000 BTU, 10.9 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH1222R2) ..... 1,186.34	1,186.34	110.42
			<i>For &gt;10 To 50, Deduct</i>	-48.28	
			<i>For &gt;50 To 75, Deduct</i>	-67.59	
			<i>For &gt;75 To 100, Deduct</i>	-96.55	
			<i>For &gt;100, Deduct</i>	-115.86	
23 81 16 00-0030	EA		18,500 BTU, 10.7 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH1822R2) ..... 1,270.41	1,270.41	110.42
			<i>For &gt;10 To 50, Deduct</i>	-52.48	
			<i>For &gt;50 To 75, Deduct</i>	-73.47	
			<i>For &gt;75 To 100, Deduct</i>	-104.96	
			<i>For &gt;100, Deduct</i>	-125.95	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 80 Decentralized Unitary HVAC Equipment**

**23 81 Decentralized Unitary HVAC Equipment**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 81 16 00-0031	EA 25,000 BTU, 9.4 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH2522R2) ..... <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 75, Deduct</i> <i>For &gt;75 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	1,578.70 -67.89 -95.05 -135.79 -162.94	110.42
<b>23 81 16 00-0032</b>	<b>Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioners (Friedrich) (23 81 16 00-0026)</b>		
23 81 16 00-0033	EA 12,000 BTU, 11.3 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Friedrich ES12N33B).....	2,006.80	110.42
<b>23 81 16 00-0034</b>	<b>Accessories (23 81 16 00-0001)</b>		
23 81 16 00-0035	SET Aluminum Air Conditioner Unit Frame And Bracket Assembly.....	505.39	60.32
<b>23 81 16 00-0036</b>	<b>Removal And Reinstallation Of Room Air-Conditioners (23 81 16)</b> Note: Includes storage and cleaning.		
23 81 16 00-0037	EA Removal And Reinstallation Of Room Air-Conditioning Unit In Window Lower Sash .....	131.45	
23 81 16 00-0038	EA Removal And Reinstallation Of Room Air-Conditioning Unit In Window Upper Sash .....	285.11	
<b>23 81 16 00-0039</b>	<b>Through-The-Wall, Room Air-Conditioners (23 81 16)</b> Note: Base unit excludes wall sleeve.		
<b>23 81 16 00-0040</b>	<b>Cooling Only, Through-The-Wall, Room Air-Conditioners (23 81 16 00-0039)</b>		
<b>23 81 16 00-0041</b>	<b>Cooling Only, Through-The-Wall, Room Air-Conditioners (Friedrich) (23 81 16 00-0040)</b>		
23 81 16 00-0042	EA 8,000 BTU, 10.7 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS08D10A)..... <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 75, Deduct</i> <i>For &gt;75 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	1,255.11 -54.87 -76.82 -109.74 -131.68 275.88	78.87
23 81 16 00-0043	EA 9,800 BTU, 10.7 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS10D10B)..... <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 75, Deduct</i> <i>For &gt;75 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	1,357.67 -60.00 -83.99 -119.99 -143.99 275.88	78.87
23 81 16 00-0044	EA 12,000 BTU, 9.8 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS12D10A)..... <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 75, Deduct</i> <i>For &gt;75 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	1,548.13 -69.52 -97.33 -139.04 -166.85 275.88	78.87
23 81 16 00-0045	EA 10,000 BTU, 10.7 EER, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS10D30A)..... <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 75, Deduct</i> <i>For &gt;75 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	1,357.67 -60.00 -83.99 -119.99 -143.99 275.88	78.87
23 81 16 00-0046	EA 12,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS12D30A)..... <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 75, Deduct</i> <i>For &gt;75 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	1,548.13 -69.52 -97.33 -139.04 -166.85 275.88	78.87
<b>23 81 16 00-0047</b>	<b>Heating And Cooling, Through-The-Wall, Room Air-Conditioners (23 81 16 00-0039)</b>		
<b>23 81 16 00-0048</b>	<b>Electric Heat, Heating And Cooling, Through-The-Wall, Room Air-Conditioners (Friedrich) (23 81 16 00-0047)</b>		
23 81 16 00-0049	EA 10,000 BTU, 9.8 EER, 230/208 Volt, Heating And Cooling, Through-The-Wall, Room Air-Conditioner (Friedrich WE10D33)..... <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 75, Deduct</i> <i>For &gt;75 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	1,592.08 -71.72 -100.40 -143.43 -172.12 275.88	78.87
23 81 16 00-0050	EA 12,000 BTU, 9.8 EER, 230/208 Volt, Heating And Cooling, Through-The-Wall, Room Air-Conditioner (Friedrich WE12D33)..... <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 75, Deduct</i> <i>For &gt;75 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	1,709.29 -77.58 -108.61 -155.15 -186.18 275.88	78.87
<b>23 81 23</b>	<b>Computer-Room Air-Conditioners (23 81)</b> Note: Includes equipment rigging. Indoor units include filters.		
<b>23 81 23 12</b>	<b>Large-Capacity, Computer-Room Air-Conditioners, Floor Mounted Units (23 81 23)</b>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 23 12-0001			<b>Floor Mounted Air Cooled Direct Expansion Type</b> <small>(23 81 23 12)</small> Note: Includes compressor sequence switch, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquid sensors, floor stand, and outdoor air cooled condenser complete with fan speed control. Excludes precharged copper pipe.		
23 81 23 12-0002	EA		3 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type ..... Note: Includes interior unit and remote condenser. Excludes piping.	34,829.74	2,244.58
			<i>For Liebert Unit, Add</i>	3,932.40	
23 81 23 12-0003	EA		5 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type ..... Note: Includes interior unit and remote condenser. Excludes piping.	38,442.92	2,455.00
			<i>For Liebert Unit, Add</i>	4,342.50	
23 81 23 12-0004	EA		6 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type ..... Note: Includes interior unit and remote condenser. Excludes piping.	53,272.18	2,805.73
			<i>For Liebert Unit, Add</i>	6,137.39	
23 81 23 12-0005	EA		8 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type ..... Note: Includes interior unit and remote condenser. Excludes piping.	58,319.42	2,981.09
			<i>For Liebert Unit, Add</i>	6,735.69	
23 81 23 12-0006	EA		10 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type ..... Note: Includes interior unit and remote condenser. Excludes piping.	63,366.65	3,156.45
			<i>For Liebert Unit, Add</i>	7,333.99	
23 81 23 12-0007	EA		16 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type ..... Note: Includes interior unit and remote condenser. Excludes piping.	70,968.29	3,787.73
			<i>For Liebert Unit, Add</i>	8,156.62	
23 81 23 12-0008	EA		20 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type ..... Note: Includes interior unit and remote condenser. Excludes piping.	80,197.84	4,208.59
			<i>For Liebert Unit, Add</i>	9,242.27	
23 81 23 12-0009	EA		22 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type ..... Note: Includes interior unit and remote condenser. Excludes piping.	83,910.20	4,347.40
			<i>For Liebert Unit, Add</i>	9,676.40	
23 81 23 12-0010	EA		24 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type ..... Note: Includes interior unit and remote condenser. Excludes piping.	91,378.23	4,489.16
			<i>For Liebert Unit, Add</i>	10,579.63	
23 81 23 12-0011	EA		30 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type ..... Note: Includes interior unit and remote condenser. Excludes piping.	98,820.23	5,050.30
			<i>For Liebert Unit, Add</i>	11,413.58	
23 81 23 12-0012			<b>Floor Mounted Chilled Water Type</b> <small>(23 81 23 12)</small> Note: Includes mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquid sensors, floor stand. Excludes chilled water source. See CSI section 23 81 23 12-0020 for chilled water source.		
23 81 23 12-0013	EA		3 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source ..... <i>For Liebert Unit, Add</i>	20,819.83 2,346.15	1,538.00
23 81 23 12-0014	EA		5 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source ..... <i>For Liebert Unit, Add</i>	22,377.23 2,513.22	1,703.62
23 81 23 12-0015	EA		12 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source ..... <i>For Liebert Unit, Add</i>	27,713.39 3,031.70	2,594.87
23 81 23 12-0016	EA		16 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source ..... <i>For Liebert Unit, Add</i>	28,968.20 3,162.90	2,629.06
23 81 23 12-0017	EA		20 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source ..... <i>For Liebert Unit, Add</i>	30,082.81 3,302.90	2,734.22
23 81 23 12-0018	EA		22 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source ..... <i>For Liebert Unit, Add</i>	30,803.34 3,350.90	2,997.12
23 81 23 12-0019	EA		31 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source ..... <i>For Liebert Unit, Add</i>	32,681.10 3,542.90	3,260.03
23 81 23 12-0020			<b>Floor Mounted Water Source</b> <small>(23 81 23 12)</small> Note: Includes mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquid sensors, floor stand. Excludes water source.		
23 81 23 12-0021	EA		3 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit..... <i>For Liebert Unit, Add</i>	16,151.15 1,756.83	1,402.86
23 81 23 12-0022	EA		5 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit..... <i>For Liebert Unit, Add</i>	17,770.09 1,946.03	1,473.01
23 81 23 12-0023	EA		6 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit..... <i>For Liebert Unit, Add</i>	23,009.73 2,587.94	1,543.15
23 81 23 12-0024	EA		8 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit..... <i>For Liebert Unit, Add</i>	24,799.11 2,783.90	1,683.44
23 81 23 12-0025	EA		10 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit..... <i>For Liebert Unit, Add</i>	27,388.24 3,081.21	1,823.72
23 81 23 12-0026	EA		12 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit..... <i>For Liebert Unit, Add</i>	28,468.54 3,189.32	1,964.01
23 81 23 12-0027	EA		15 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit..... <i>For Liebert Unit, Add</i>	29,725.50 3,324.46	2,104.29
23 81 23 12-0028	EA		20 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit..... <i>For Liebert Unit, Add</i>	30,572.27 3,405.54	2,244.58
23 81 23 12-0029	EA		25 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit..... <i>For Liebert Unit, Add</i>	34,975.67 3,874.03	2,665.44
23 81 23 12-0030			<b>Floor Mounted Glycol System Type</b> <small>(23 81 23 12)</small> Note: Includes drycoolers, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquid sensors, floor stand. Excludes chilled water source. See CSI section 23 81 23 12-0020 for water source.		
23 81 23 12-0031	EA		3 Ton Computer Room Air Conditioner, Glycol System Type..... <i>For Liebert Unit, Add</i>	42,877.66 5,103.38	1,538.00
23 81 23 12-0032	EA		5 Ton Computer Room Air Conditioner, Glycol System Type..... <i>For Liebert Unit, Add</i>	46,136.37 5,483.11	1,703.62

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 80 Decentralized Unitary HVAC Equipment**

**23 81 Decentralized Unitary HVAC Equipment**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 23 12-0033	EA		6 Ton Computer Room Air Conditioner, Glycol System Type ..... <i>For Liebert Unit, Add</i>	71,450.36 8,613.18	1,908.69
23 81 23 12-0034	EA		9 Ton Computer Room Air Conditioner, Glycol System Type ..... <i>For Liebert Unit, Add</i>	73,672.93 8,856.83	2,113.76
23 81 23 12-0035	EA		10 Ton Computer Room Air Conditioner, Glycol System Type ..... <i>For Liebert Unit, Add</i>	78,828.05 9,467.04	2,318.82
23 81 23 12-0036	EA		16 Ton Computer Room Air Conditioner, Glycol System Type ..... <i>For Liebert Unit, Add</i>	94,395.93 11,359.13	2,629.06
23 81 23 12-0037	EA		20 Ton Computer Room Air Conditioner, Glycol System Type ..... <i>For Liebert Unit, Add</i>	103,558.48 12,487.36	2,734.22
23 81 23 12-0038	EA		22 Ton Computer Room Air Conditioner, Glycol System Type ..... <i>For Liebert Unit, Add</i>	107,336.78 12,917.58	2,997.12
23 81 23 12-0039	EA		30 Ton Computer Room Air Conditioner, Glycol System Type ..... <i>For Liebert Unit, Add</i>	130,892.86 15,819.37	3,260.03
<b>23 81 23 12-0040 Removal And Reinstallation Of Computer Room Unit (23 81 23 12)</b>					
Note: Includes storage and cleaning. Excludes main mechanical piping. Reconnection of existing valves are included.					
23 81 23 12-0041	EA		Removal And Reinstallation Up To 6 Ton, Floor Mounted Chilled Water Computer Room Unit.....	2,103.25	
23 81 23 12-0042	EA		Removal And Reinstallation Up To 6 Ton Direct Expansion Computer Room Unit .....	1,752.71	
<b>23 81 23 13 Computer-Room Air-Conditioners, Ceiling Mounted Units (23 81 23)</b>					
<b>23 81 23 13-0001 Ceiling Mounted Packaged Computer Room Air Conditioner (23 81 23 13)</b>					
Note: Includes compressor sequence switch, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand, and outdoor air cooled condenser complete with fan speed control.					
23 81 23 13-0002	EA		1 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System ..... <i>For Liebert Unit, Add</i>	13,817.59 1,602.24	666.73
23 81 23 13-0003	EA		1.5 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System ..... <i>For Liebert Unit, Add</i>	15,277.86 1,759.67	800.70
23 81 23 13-0004	EA		2 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System ..... <i>For Liebert Unit, Add</i>	17,449.49 1,993.40	1,002.09
23 81 23 13-0005	EA		3 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System ..... <i>For Liebert Unit, Add</i>	21,439.51 2,460.85	1,169.09
23 81 23 13-0006	EA		5 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System ..... <i>For Liebert Unit, Add</i>	29,071.15 3,395.76	1,270.67
<b>23 81 26 Split-System Air-Conditioners (23 81)</b>					
<b>23 81 26 13 Small-Capacity Split-System Air-Conditioners (23 81 26)</b>					
<b>23 81 26 13-0001 Split System A/C Unit (23 81 26 13)</b>					
See CSI section 23 23 16 00-0001 for piping, 23 54 00 00-0000 for furnaces.					
<b>23 81 26 13-0002 Ductless Split System Air Conditioners (23 81 26 13-0001)</b>					
Note: Excludes refrigerant piping, electrical, and pad. Panasonic units or equal. See CSI section 23 81 49 00-0024 for ductless heat pumps.					
<b>23 81 26 13-0003 Wall Mounted Ductless Split System Air Conditioners (23 81 26 13-0002)</b>					
23 81 26 13-0004	EA		9,000 BTU, 16 SEER, Wall Mounted Ductless Split System Air Conditioners ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,142.63	347.03
23 81 26 13-0005	EA		11,900 BTU, 17 SEER, Wall Mounted Ductless Split System Air Conditioner ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,319.35	378.58
23 81 26 13-0006	EA		17,500 BTU, 20 SEER, Wall Mounted Ductless Split System Air Conditioners ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,901.21	420.65
23 81 26 13-0007	EA		24,200 BTU, 17 SEER, Wall Mounted Ductless Split System Air Conditioners ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,222.72	462.72
23 81 26 13-0008	EA		25,200 BTU, 14.9 SEER, Wall Mounted Ductless Split System Air Conditioners ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,973.13	504.78
23 81 26 13-0009	EA		29,800 BTU, 15 SEER, Wall Mounted Ductless Split System Air Conditioners ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,792.67	525.81
23 81 26 13-0010	EA		31,400 BTU, 15.9 SEER, Wall Mounted Ductless Split System Air Conditioners ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,356.32	560.51
<b>23 81 26 13-0011 Dual and Tri Zone Wall Mounted Ductless Split System Air Conditioners (23 81 26 13-0002)</b>					
Note: Use this section only when matching indoor and outdoor capacity units are not used.					
23 81 26 13-0012	EA		7,500 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners ..... Note: Includes indoor unit and wireless thermostat.	922.60	168.26
23 81 26 13-0013	EA		9,000 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners ..... Note: Includes indoor unit and wireless thermostat.	974.93	178.78
23 81 26 13-0014	EA		11,900 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners..... Note: Includes indoor unit and wireless thermostat.	1,028.15	189.29
23 81 26 13-0015	EA		17,500 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners..... Note: Includes indoor unit and wireless thermostat.	1,163.08	199.81
23 81 26 13-0016	EA		24,200 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners..... Note: Includes indoor unit and wireless thermostat.	1,244.13	210.33
23 81 26 13-0017	EA		19,700 BTU, 16.5 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners ..... Note: Includes outdoor unit and refrigerant charge.	2,563.02	252.39
23 81 26 13-0018	EA		25,400 BTU, 16.2 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners ..... Note: Includes outdoor unit and refrigerant charge.	2,835.55	273.42
23 81 26 13-0019	EA		30,600 BTU, 17.6 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners ..... Note: Includes outdoor unit and refrigerant charge.	4,490.58	294.45

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>23 81 26 13-0020</b>			<b>Suspended Ceiling Mounted Ductless Split System Air Conditioners</b> <small>(23 81 26 13-0002)</small> Note: Excludes hangers.		
23 81 26 13-0021	EA		24,400 BTU, 14.5 SEER, Ceiling Suspended Ductless Split System Air Conditioners.....	5,326.24	504.78
23 81 26 13-0022	EA		31,200 BTU, 15.1 SEER, Ceiling Suspended Ductless Split System Air Conditioners.....	6,490.92	602.58
23 81 26 13-0023	EA		39,000 BTU, 15.6 SEER, Ceiling Suspended Ductless Split System Air Conditioners..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	7,926.46	630.97

<b>23 81 26 13-0024</b>			<b>Recessed Ceiling Mounted Ductless Split System Air Conditioners</b> <small>(23 81 26 13-0002)</small> Note: Excludes hangers.		
23 81 26 13-0025	EA		11,900 BTU, 16 SEER, Ceiling Recessed Ductless Split System Air Conditioners.....	3,264.79	420.65
23 81 26 13-0026	EA		17,500 BTU, 16 SEER, Ceiling Recessed Ductless Split System Air Conditioners..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,807.15	462.72
23 81 26 13-0027	EA		24,800 BTU, 14.1 SEER, Ceiling Recessed Ductless Split System Air Conditioners.....	5,296.74	546.84
23 81 26 13-0028	EA		32,600 BTU, 14.6 SEER, Ceiling Recessed Ductless Split System Air Conditioners..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,131.83	602.58
23 81 26 13-0029	EA		39,500 BTU, 14.6 SEER, Ceiling Recessed Ductless Split System Air Conditioners..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	7,746.91	630.97

<b>23 81 26 13-0030</b>			<b>Ductless Split System Accessories</b> <small>(23 81 26 13-0002)</small>		
23 81 26 13-0031	LF		3" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	11.85	1.51
23 81 26 13-0032	LF		4" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	15.22	1.66
23 81 26 13-0033	LF		6" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	18.94	1.82
23 81 26 13-0034	EA		3" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	19.91	2.83
23 81 26 13-0035	EA		4" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	34.03	3.11
23 81 26 13-0036	EA		6" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	38.77	3.42
23 81 26 13-0037	EA		3" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	49.32	5.65
23 81 26 13-0038	EA		4" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	81.35	6.21
23 81 26 13-0039	EA		6" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	90.80	6.84
23 81 26 13-0040	EA		3" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	65.62	6.03
23 81 26 13-0041	EA		4" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	76.92	6.64
23 81 26 13-0042	EA		6" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	118.71	7.29
23 81 26 13-0043	EA		3" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	49.32	5.65
23 81 26 13-0044	EA		4" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	81.35	6.21
23 81 26 13-0045	EA		6" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	90.80	6.84
23 81 26 13-0046	EA		3" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	64.53	9.42
23 81 26 13-0047	EA		4" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	93.91	10.36
23 81 26 13-0048	EA		6" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	112.20	11.40
23 81 26 13-0049	EA		2-1/2" Wall Sleeve, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	36.01	1.88
23 81 26 13-0050	EA		3" x 20" Flexible Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	39.85	5.65
23 81 26 13-0051	EA		4" x 20" Flexible Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	64.29	6.21
23 81 26 13-0052	EA		3" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	36.06	5.65
23 81 26 13-0053	EA		4" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	49.14	6.21
23 81 26 13-0054	EA		6" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	52.91	6.84
23 81 26 13-0055	EA		4" T Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	172.50	7.53
23 81 26 13-0056	EA		6" T Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	195.61	8.29
23 81 26 13-0057	EA		14" Condensing Unit Mounting Blocks With End Caps.....	112.14	28.26
23 81 26 13-0058	EA		17" Condensing Unit Mounting Blocks With End Caps.....	123.52	30.14
23 81 26 13-0059	EA		36" Condensing Unit Mounting Blocks With End Caps.....	167.12	32.02
23 81 26 13-0060	EA		End Cap, Set of 4.....	18.93	
23 81 26 13-0061	EA		18" Condensing Unit Type 2 Wall Bracket, 165 LB Capacity.....	237.68	56.51
23 81 26 13-0062	EA		21" Condensing Unit Type 2 Wall Bracket, 220 LB Capacity.....	252.34	60.29
23 81 26 13-0063	LF		5/8" ID Condensate Drain Line.....	2.55	0.15
23 81 26 13-0064	LF		3/4" ID Condensate Drain Line.....	2.65	0.15

<b>23 81 26 13-0065</b>			<b>Cased A/C Evaporator Coils</b> <small>(23 81 26 13-0001)</small>		
<b>23 81 26 13-0066</b>			<b>Vertical Cased A/C Evaporator Coils</b> <small>(23 81 26 13-0065)</small>		
23 81 26 13-0067	EA		1-1/2 Ton Vertical Cased A/C Evaporator Coil.....	659.56	109.67
23 81 26 13-0068	EA		2 Ton Vertical Cased A/C Evaporator Coil.....	688.32	117.90
23 81 26 13-0069	EA		2-1/2 Ton Vertical Cased A/C Evaporator Coil.....	817.47	126.12
23 81 26 13-0070	EA		3 Ton Vertical Cased A/C Evaporator Coil.....	930.78	134.35
23 81 26 13-0071	EA		3-1/2 Ton Vertical Cased A/C Evaporator Coil.....	1,075.57	139.83
23 81 26 13-0072	EA		4 Ton Vertical Cased A/C Evaporator Coil.....	1,199.24	145.31
23 81 26 13-0073	EA		4-1/2 Ton Vertical Cased A/C Evaporator Coil.....	1,288.08	156.29
23 81 26 13-0074	EA		5 Ton Vertical Cased A/C Evaporator Coil.....	1,297.51	164.51

<b>23 81 26 13-0075</b>			<b>"A" Style Horizontal Cased A/C Evaporator Coils</b> <small>(23 81 26 13-0065)</small>		
23 81 26 13-0076	EA		2 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....	805.91	112.41
23 81 26 13-0077	EA		2-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....	925.88	118.72
23 81 26 13-0078	EA		3 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....	1,059.39	126.12
23 81 26 13-0079	EA		3-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....	1,097.76	130.67
23 81 26 13-0080	EA		4 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....	1,149.33	137.09
23 81 26 13-0081	EA		4-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....	1,163.73	144.22
23 81 26 13-0082	EA		5 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....	1,177.85	151.34

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 81 26 13-0083	Slab Style Horizontal Cased A/C Evaporator Coils (23 81 26 13-0083)		
23 81 26 13-0084	EA 2 Ton Slab Style Horizontal Cased A/C Evaporator Coil.....	705.54	112.41
23 81 26 13-0085	EA 3 Ton Slab Style Horizontal Cased A/C Evaporator Coil.....	846.32	126.12
23 81 26 13-0086	EA 4 Ton Slab Style Horizontal Cased A/C Evaporator Coil.....	976.76	137.09
23 81 26 13-0087	EA 5 Ton Slab Style Horizontal Cased A/C Evaporator Coil.....	1,176.09	151.34
<b>23 81 26 16</b>	<b>Large-Capacity Split-System Air-Conditioners (23 81 26)</b>		
23 81 26 16-0001	Split System Air Conditioners, Variable Refrigerant Flow (Mitsubishi City Multi) (23 81 26 16)		
23 81 26 16-0002	Outdoor Units (23 81 26 16-0001)		
23 81 26 16-0003	EA 6 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P72YKMU-A).....	14,835.53	552.10
23 81 26 16-0004	EA 8 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P96YKMU-A).....	16,088.40	657.26
23 81 26 16-0005	EA 10 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P120YKMU-A).....	18,115.61	788.72
23 81 26 16-0006	EA 12 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P144YKMU-A).....	22,293.83	815.01
23 81 26 16-0007	EA 12 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P144YSKMU-A).....	29,644.24	841.30
23 81 26 16-0008	EA 14 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P168YSKMU-A).....	30,739.37	867.59
23 81 26 16-0009	EA 16 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P192YSKMU-A).....	31,834.50	893.88
23 81 26 16-0010	EA 18 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P216YSKMU-A).....	33,703.98	946.45
23 81 26 16-0011	EA 20 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P240YSKMU-A).....	35,573.45	999.04
23 81 26 16-0012	EA 22 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P264YSKMU-A).....	39,804.25	1,051.62
23 81 26 16-0013	EA 24 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P288YSKMU-A).....	44,035.04	1,104.20
23 81 26 16-0014	Indoor Units (23 81 26 16-0001)		
23 81 26 16-0015	EA 6 MBH Cooling, 6.7 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P06NBMU-E2).....	1,544.71	170.89
23 81 26 16-0016	EA 8 MBH Cooling, 9 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P08NMMU-E2).....	1,624.46	184.04
23 81 26 16-0017	EA 12 MBH Cooling, 13.5 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P12NMMU-E2).....	1,695.31	197.18
23 81 26 16-0018	EA 15 MBH Cooling, 17 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P15NMMU-E2).....	1,779.53	210.33
23 81 26 16-0019	EA 18 MBH Cooling, 20 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P18NMMU-E2).....	1,929.68	249.76
23 81 26 16-0020	EA 24 MBH Cooling, 27 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P24NMMU-E2).....	2,156.92	302.34
23 81 26 16-0021	EA 30 MBH Cooling, 34 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P30NMMU-E2).....	2,336.92	328.63
23 81 26 16-0022	EA 6 MBH Cooling, 6.7 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P06NMAU-E3).....	2,233.82	187.98
23 81 26 16-0023	EA 8 MBH Cooling, 9 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P08NMAU-E3).....	2,311.75	202.44
23 81 26 16-0024	EA 12 MBH Cooling, 13.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P12NMAU-E3).....	2,438.70	216.90
23 81 26 16-0025	EA 15 MBH Cooling, 17 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P15NMAU-E3).....	2,645.83	231.36
23 81 26 16-0026	EA 18 MBH Cooling, 20 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P18NMAU-E3).....	2,794.96	274.74
23 81 26 16-0027	EA 24 MBH Cooling, 27 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P24NMAU-E3).....	3,071.03	332.57
23 81 26 16-0028	EA 27 MBH Cooling, 30 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P27NMAU-E3).....	3,229.15	347.03
23 81 26 16-0029	EA 30 MBH Cooling, 34 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P30NMAU-E3).....	3,405.10	361.49
23 81 26 16-0030	EA 36 MBH Cooling, 40 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P36NMAU-E3).....	3,775.91	397.64
23 81 26 16-0031	EA 48 MBH Cooling, 54 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P48NMAU-E3).....	4,185.13	437.41
23 81 26 16-0032	EA 54 MBH Cooling, 60 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P54NMAU-E3).....	4,531.02	481.15
23 81 26 16-0033	EA 72 MBH Cooling, 80 MBH Heating Ceiling Concealed High Static Ducted Indoor Unit (Mitsubishi PEFY-P72NMHSU-E).....	5,736.63	529.26
23 81 26 16-0034	EA 96 MBH Cooling, 108 MBH Heating Ceiling Concealed High Static Ducted Indoor Unit (Mitsubishi PEFY-P96NMHSU-E).....	6,510.79	582.19
23 81 26 16-0035	EA 12 MBH Cooling, 13.5 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP12NEMU-E).....	2,539.39	216.90
23 81 26 16-0036	EA 15 MBH Cooling, 17 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP15NEMU-E).....	2,677.91	231.36
23 81 26 16-0037	EA 18 MBH Cooling, 20 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP18NEMU-E).....	2,829.71	274.74
23 81 26 16-0038	EA 24 MBH Cooling, 27 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP24NEMU-E).....	3,174.39	332.57
23 81 26 16-0039	EA 30 MBH Cooling, 34 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP30NEMU-E).....	3,420.25	361.49
23 81 26 16-0040	EA 36 MBH Cooling, 40 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP36NEMU-E).....	4,181.34	397.65
23 81 26 16-0041	EA 6 MBH Cooling, 6.7 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P06NBMU-ER5).....	2,282.83	187.98
23 81 26 16-0042	EA 8 MBH Cooling, 9 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P08NBMU-ER5).....	2,400.86	202.44
23 81 26 16-0043	EA 12 MBH Cooling, 13.5 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P12NBMU-ER5).....	2,581.27	216.90
23 81 26 16-0044	EA 15 MBH Cooling, 17 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P15NBMU-ER5).....	2,717.12	231.36
23 81 26 16-0045	EA 8 MBH Cooling, 9 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P08NCMU-ER4).....	2,115.72	202.44
23 81 26 16-0046	EA 12 MBH Cooling, 13.5 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P12NCMU-ER4).....	2,224.84	216.90
23 81 26 16-0047	EA 15 MBH Cooling, 17 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P15NCMU-ER4).....	2,338.41	231.36
23 81 26 16-0048	Controllers For Outdoor Units (23 81 26 16-0001)		
23 81 26 16-0049	EA 8 Branch (Main BC) (Mitsubishi CMB-P108NU-HA1).....	8,023.21	157.75
23 81 26 16-0050	EA 10 Branch (Main BC) (Mitsubishi CMB-P1010NU-HA1).....	9,278.72	184.04
23 81 26 16-0051	EA 13 Branch (Main BC) (Mitsubishi CMB-P1013NU-GA).....	10,253.56	210.33
23 81 26 16-0052	EA 16 Branch (Main BC) (Mitsubishi CMB-P1016NU-HA).....	12,168.47	236.62
23 81 26 16-0053	EA 4 Branch (Sub BC) (Mitsubishi CMB-P104NU-GB).....	4,474.08	105.16
23 81 26 16-0054	EA 8 Branch (Sub BC) (Mitsubishi CMB-P108NU-GB).....	6,891.56	157.75
23 81 26 16-0055	EA 16 Branch (Sub BC) (Mitsubishi CMB-P1016NU-HB).....	10,533.37	236.62

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
<b>23 81 26 16-0056 Energy Recovery Units</b> <small>(23 81 26 16-0001)</small>				
23 81 26 16-0057	EA	36.2 MBH Cooling, 39.9 MBH Heating Hydronic Heat Exchanger Auxiliary Unit (Mitsubishi PWFY-P36NMMU-E-AU) .....	5,679.71	157.75
23 81 26 16-0058	EA	39.9 MBH Hydronic Heat Exchanger Booster Unit (Mitsubishi PWFY-P36NMMU-E-BU) .....	10,740.96	157.75
23 81 26 16-0059	EA	112 MBH Cooling, 61.4 MBH Heating Reheat Unit (Mitsubishi PEFY-AF1200CFMR) .....	10,896.00	184.04
23 81 26 16-0060	EA	Lossnay Energy Recovery Ventilator ERV, 300 CFM (Mitsubishi LGH-F300RX5-E) .....	2,267.81	131.45
23 81 26 16-0061	EA	Lossnay Energy Recovery Ventilator ERV, 470 CFM (Mitsubishi LGH-F470RX5-E) .....	2,888.70	136.71
23 81 26 16-0062	EA	Lossnay Energy Recovery Ventilator ERV, 600 CFM (Mitsubishi LGH-F600RX5-E) .....	3,442.77	141.97
23 81 26 16-0063	EA	Lossnay Energy Recovery Ventilator ERV, 1,200 CFM (Mitsubishi LGH-F1200RX5-E1) .....	6,272.27	157.75
<b>23 81 26 16-0064 Piping Specialties</b> <small>(23 81 26 16-0001)</small>				
23 81 26 16-0065	EA	Maintenance Tool Interface (Mitsubishi CMS-MNG-E) .....	793.05	
23 81 26 16-0066	EA	Branch Joint (Mitsubishi CMY-Y102SS-G2) .....	215.87	41.66
23 81 26 16-0067	EA	Branch Joint (Mitsubishi CMY-Y102LS-G2) .....	215.87	41.66
23 81 26 16-0068	EA	Branch Joint (Mitsubishi CMY-Y202S-G2) .....	239.18	43.85
23 81 26 16-0069	EA	Branch Joint (Mitsubishi CMY-Y302S-G2) .....	299.15	49.33
23 81 26 16-0070	EA	Header - 4 Branch (Mitsubishi CMY-Y64-G-E) .....	392.01	71.25
23 81 26 16-0071	EA	Header - 8 Branch (Mitsubishi CMY-Y68-G-E) .....	668.19	142.51
23 81 26 16-0072	EA	Refrigeration Ball Valve-Flare/Schrader/Insulated - 3/8" (Mitsubishi BV38FFSI) .....	119.73	17.54
23 81 26 16-0073	EA	Refrigeration Ball Valve-Flare/Schrader/Insulated - 5/8" (Mitsubishi BV58FFSI) .....	135.56	24.11
<b>23 81 26 16-0074 Split System Air Conditioners (Daikin VRV)</b> <small>(23 81 26 16)</small>				
<b>23 81 26 16-0075 Heat Pump Outdoor Units</b> <small>(23 81 26 16-0074)</small>				
23 81 26 16-0076	EA	6 Ton Heat Pump Outdoor Unit (Daikin RXYQ72PBTJ) .....	20,666.93	552.10
23 81 26 16-0077	EA	8 Ton Heat Pump Outdoor Unit (Daikin RXYQ96PBTJ) .....	23,108.09	657.26
23 81 26 16-0078	EA	10 Ton Heat Pump Outdoor Unit (Daikin RXYQ120PBTJ) .....	25,773.43	788.72
23 81 26 16-0079	EA	12 Ton Heat Pump Outdoor Unit (Daikin RXYQ144PBTJ) .....	32,175.32	815.01
23 81 26 16-0080	EA	14 Ton Heat Pump Outdoor Unit (Daikin RXYQ168PBTJ) .....	43,091.46	867.59
23 81 26 16-0081	EA	16 Ton Heat Pump Outdoor Unit (Daikin RXYQ192PBTJ) .....	45,546.48	893.88
23 81 26 16-0082	EA	18 Ton Heat Pump Outdoor Unit (Daikin RXYQ216PBTJ) .....	47,882.49	946.45
23 81 26 16-0083	EA	20 Ton Heat Pump Outdoor Unit (Daikin RXYQ240PBTJ) .....	50,390.09	999.04
23 81 26 16-0084	EA	22 Ton Heat Pump Outdoor Unit (Daikin RXYQ264PBTJ) .....	65,253.11	1,051.62
23 81 26 16-0085	EA	24 Ton Heat Pump Outdoor Unit (Daikin RXYQ288PBTJ) .....	67,760.70	1,104.20
23 81 26 16-0086	EA	26 Ton Heat Pump Outdoor Unit (Daikin RXYQ312PBTJ) .....	70,268.30	1,156.78
23 81 26 16-0087	EA	28 Ton Heat Pump Outdoor Unit (Daikin RXYQ336PBTJ) .....	72,604.30	1,209.36
23 81 26 16-0088	EA	30 Ton Heat Pump Outdoor Unit (Daikin RXYQ360PBTJ) .....	75,111.90	1,261.95
<b>23 81 26 16-0089 Heat Recovery Heat Pump Outdoor Units</b> <small>(23 81 26 16-0074)</small>				
23 81 26 16-0090	EA	6 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ72PBTJ) .....	26,468.43	717.74
23 81 26 16-0091	EA	8 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ96PBTJ) .....	28,877.18	854.44
23 81 26 16-0092	EA	10 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ120PBTJ) .....	31,737.96	1,025.33
23 81 26 16-0093	EA	12 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ144PBTJ) .....	39,871.65	1,059.51
23 81 26 16-0094	EA	14 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ168PBTJ) .....	53,908.19	1,127.86
23 81 26 16-0095	EA	16 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ192PBTJ) .....	58,095.01	1,162.04
23 81 26 16-0096	EA	18 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ216PBTJ) .....	60,290.96	1,230.39
23 81 26 16-0097	EA	20 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ240PBTJ) .....	62,486.90	1,298.76
23 81 26 16-0098	EA	22 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ264PBTJ) .....	82,272.15	1,367.11
23 81 26 16-0099	EA	24 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ288PBTJ) .....	84,468.08	1,435.46
23 81 26 16-0100	EA	26 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ312PBTJ) .....	88,723.27	1,503.81
23 81 26 16-0101	EA	28 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ336PBTJ) .....	90,919.21	1,572.18
<b>23 81 26 16-0102 Indoor Units</b> <small>(23 81 26 16-0074)</small>				
23 81 26 16-0103	EA	7.5 MBH Cooling, 8.5 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ07PVJU) .....	2,375.49	184.04
23 81 26 16-0104	EA	9.5 MBH Cooling, 10.5 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ09PVJU) .....	2,481.52	189.29
23 81 26 16-0105	EA	12 MBH Cooling, 13.5 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ12PVJU) .....	2,806.50	197.18
23 81 26 16-0106	EA	18 MBH Cooling, 20 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ18PVJU) .....	3,148.03	249.76
23 81 26 16-0107	EA	24 MBH Cooling, 26.5 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ24PVJU) .....	3,457.17	302.34
23 81 26 16-0108	EA	7.5 MBH Cooling, 8.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ07PVJU) .....	3,474.29	202.44
23 81 26 16-0109	EA	9.5 MBH Cooling, 10.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ09PVJU) .....	3,591.09	208.22
23 81 26 16-0110	EA	12 MBH Cooling, 13.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ12PVJU) .....	3,771.96	115.67
23 81 26 16-0111	EA	18 MBH Cooling, 20 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ18PVJU) .....	4,009.05	274.74
23 81 26 16-0112	EA	24 MBH Cooling, 27 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ24PVJU) .....	4,751.24	332.57
23 81 26 16-0113	EA	30 MBH Cooling, 34 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ30PVJU) .....	5,432.36	361.49
23 81 26 16-0114	EA	36 MBH Cooling, 40 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ36PVJU) .....	5,805.77	397.64
23 81 26 16-0115	EA	48 MBH Cooling, 54 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ48PVJU) .....	6,006.72	437.41
23 81 26 16-0116	EA	7.5 MBH Cooling, 8.7 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin FXZQ07M7VJU) .....	3,885.49	202.44
23 81 26 16-0117	EA	9.5 MBH Cooling, 11.1 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin FXZQ09M7VJU) .....	3,978.01	208.22
23 81 26 16-0118	EA	12 MBH Cooling, 14 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin FXZQ12M7VJU) .....	4,230.11	216.90
23 81 26 16-0119	EA	18 MBH Cooling, 21 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin FXZQ18M7VJU) .....	4,515.76	274.74
<b>23 81 26 16-0120 Branch Selector Boxes</b> <small>(23 81 26 16-0074)</small>				
23 81 26 16-0121	EA	144 MBH, 4 Branch, Multi Port Branch Selector Box (Daikin BSV4Q36PVJU) .....	11,799.02	236.62
23 81 26 16-0122	EA	216 MBH, 6 Branch, Multi Port Branch Selector Box (Daikin BSV6Q36PVJU) .....	17,448.05	315.49
23 81 26 16-0123	EA	36 MBH, 4 Branch, Single Port Branch Selector Box (Daikin BSVQ36PVJU) .....	2,331.08	105.16
23 81 26 16-0124	EA	60 MBH, 8 Branch, Single Port Branch Selector Box (Daikin BSVQ60PVJU) .....	3,143.70	157.75
23 81 26 16-0125	EA	96 MBH, 8 Branch, Single Port Branch Selector Box (Daikin BSVQ96PVJU) .....	3,905.29	236.62

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 80 Decentralized Unitary HVAC Equipment**

**23 81 Decentralized Unitary HVAC Equipment**



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 81 26 16-0126		Controllers <small>(23 81 26 16-0074)</small>			
23 81 26 16-0127	EA	Up To 16 Units, Navigation Controller (Daikin BRC1E71) .....	736.47		21.03
23 81 26 16-0128	EA	Individual Zone Controller (Daikin BRC2A71) .....	535.73		21.03
23 81 26 16-0129	EA	Up To 16 Groups, Unified ON/OFF Controller (Daikin DCS301C71) .....	1,026.25		21.03
23 81 26 16-0130	EA	Up To 64 Units, Multizone Controller (Daikin DCS302C71) .....	1,432.60		21.03
23 81 26 16-0131	EA	I-Touch Manager Replaced Both Daikin IMP-128 thru 1024 and DCS601C71 (Daikin DCM601A71) .....	13,370.49		252.39
23 81 26 16-0132	EA	I-Touch Manager D3net Plus Adapter (Daikin DCM601A72) .....	2,476.78		21.03
23 81 26 16-0133	EA	24 Volt AC, Wired Thermostat For Split A/C Systems (Daikin DACA-TS1-1) .....	547.15		37.11

23 81 26 16-0134		Energy Recovery Units <small>(23 81 26 16-0074)</small>			
23 81 26 16-0135	EA	300 CFM Energy Recovery Unit (Daikin VAM300GVJU) .....	4,081.88		131.45
23 81 26 16-0136	EA	470 CFM Energy Recovery Unit (Daikin VAM470GVJU) .....	5,293.61		136.71
23 81 26 16-0137	EA	600 CFM Energy Recovery Unit (Daikin VAM600GVJU) .....	6,333.75		141.97
23 81 26 16-0138	EA	1,200 CFM Energy Recovery Unit (Daikin VAM1200GVJU) .....	11,812.88		157.75

**23 81 43 Air-Source Unitary Heat Pumps (23 81)**

23 81 43 00-0001		Single Package Thru-Wall Heat Pumps <small>(23 81 43)</small>			
Note: Air-to-air type with electric heat. Includes throwaway filters. Through the wall units are wired for 230/208 Volt, 1 phase, 60 HZ. With electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls all mounted in a steel cabinet, wall sleeve and outdoor grille. Excludes crane and associated personnel. See CSI section 01 22 23 00-0801 for crane lifting equipment.					
23 81 43 00-0002	EA	1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat .....	1,922.66		170.91
		<i>For Unit Economizer, Add</i>	255.96		
		<i>For &gt;35 To 70, Deduct</i>	-47.77		
		<i>For &gt;70 To 100, Deduct</i>	-79.61		
		<i>For &gt;100, Deduct</i>	-111.46		
		<i>For Low Ambient Protection, 0 Degree F, Add</i>	225.91		
23 81 43 00-0003	EA	1 Ton Single Package Heat Pump, Air To Air Type With Electric Heat .....	2,122.37		182.31
		<i>For Unit Economizer, Add</i>	283.00		
		<i>For &gt;35 To 70, Deduct</i>	-53.07		
		<i>For &gt;70 To 100, Deduct</i>	-88.46		
		<i>For &gt;100, Deduct</i>	-123.84		
		<i>For Low Ambient Protection, 0 Degree F, Add</i>	247.53		
23 81 43 00-0004	EA	1-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat .....	3,608.45		182.31
		<i>For Unit Economizer, Add</i>	491.05		
		<i>For &gt;35 To 70, Deduct</i>	-97.66		
		<i>For &gt;70 To 100, Deduct</i>	-162.76		
		<i>For &gt;100, Deduct</i>	-227.87		
		<i>For Low Ambient Protection, 0 Degree F, Add</i>	381.28		
23 81 43 00-0005	EA	2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat .....	3,949.69		182.31
		<i>For Unit Economizer, Add</i>	537.92		
		<i>For &gt;35 To 70, Deduct</i>	-107.21		
		<i>For &gt;70 To 100, Deduct</i>	-178.68		
		<i>For &gt;100, Deduct</i>	-250.16		
		<i>For Low Ambient Protection, 0 Degree F, Add</i>	201.21		
23 81 43 00-0006	EA	2-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat .....	4,467.84		193.70
		<i>For Unit Economizer, Add</i>	609.55		
		<i>For &gt;35 To 70, Deduct</i>	-122.07		
		<i>For &gt;70 To 100, Deduct</i>	-203.45		
		<i>For &gt;100, Deduct</i>	-284.83		
		<i>For Low Ambient Protection, 0 Degree F, Add</i>	221.77		
23 81 43 00-0007	EA	3 Ton Single Package Heat Pump, Air To Air Type With Electric Heat .....	4,680.14		205.10
		<i>For Unit Economizer, Add</i>	639.27		
		<i>For &gt;35 To 70, Deduct</i>	-128.44		
		<i>For &gt;70 To 100, Deduct</i>	-214.07		
		<i>For &gt;100, Deduct</i>	-299.69		
		<i>For Low Ambient Protection, 0 Degree F, Add</i>	656.27		
23 81 43 00-0008	EA	3-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat .....	5,269.05		205.10
		<i>For Unit Economizer, Add</i>	720.80		
		<i>For &gt;35 To 70, Deduct</i>	-145.42		
		<i>For &gt;70 To 100, Deduct</i>	-242.37		
		<i>For &gt;100, Deduct</i>	-339.32		
		<i>For Low Ambient Protection, 0 Degree F, Add</i>	735.57		
23 81 43 00-0009	EA	4 Ton Single Package Heat Pump, Air To Air Type With Electric Heat .....	5,811.19		216.49
		<i>For Unit Economizer, Add</i>	796.25		
		<i>For &gt;35 To 70, Deduct</i>	-161.35		
		<i>For &gt;70 To 100, Deduct</i>	-268.91		
		<i>For &gt;100, Deduct</i>	-376.47		
		<i>For Low Ambient Protection, 0 Degree F, Add</i>	807.41		
23 81 43 00-0010	EA	5 Ton Single Package Heat Pump, Air To Air Type With Electric Heat .....	6,693.36		250.67
		<i>For Unit Economizer, Add</i>	917.02		
		<i>For &gt;35 To 70, Deduct</i>	-185.76		
		<i>For &gt;70 To 100, Deduct</i>	-309.60		
		<i>For &gt;100, Deduct</i>	-433.44		
		<i>For Low Ambient Protection, 0 Degree F, Add</i>	930.30		
23 81 43 00-0011	EA	7-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat .....	12,244.88		296.25
		<i>For Unit Economizer, Add</i>	1,690.13		
		<i>For &gt;35 To 70, Deduct</i>	-349.23		
		<i>For &gt;70 To 100, Deduct</i>	-582.05		
		<i>For &gt;100, Deduct</i>	-814.87		
		<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,664.30		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 43 00-0012	EA		10 Ton Single Package Heat Pump, Air To Air Type With Electric Heat..... <i>For Unit Economizer, Add</i> <i>For &gt;35 To 70, Deduct</i> <i>For &gt;70 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For Low Ambient Protection, 0 Degree F, Add</i>	15,765.78 2,176.67 -450.07 -750.12 -1,050.17 340.88	376.01
23 81 43 00-0013	EA		12-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat ..... <i>For Unit Economizer, Add</i> <i>For &gt;35 To 70, Deduct</i> <i>For &gt;70 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For Low Ambient Protection, 0 Degree F, Add</i>	19,242.30 2,660.20 -551.97 -919.96 -1,287.94 394.78	421.59
23 81 43 00-0014	EA		15 Ton Single Package Heat Pump, Air To Air Type With Electric Heat..... <i>For Unit Economizer, Add</i> <i>For &gt;35 To 70, Deduct</i> <i>For &gt;70 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For Low Ambient Protection, 0 Degree F, Add</i>	23,732.35 3,284.70 -683.60 -1,139.33 -1,595.06 464.30	478.56
23 81 43 00-0015	EA		20 Ton Single Package Heat Pump, Air To Air Type With Electric Heat..... <i>For Unit Economizer, Add</i> <i>For &gt;35 To 70, Deduct</i> <i>For &gt;70 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For Low Ambient Protection, 0 Degree F, Add</i>	31,596.36 4,382.47 -917.13 -1,528.54 -2,139.96 562.08	512.74
23 81 43 00-0016	EA		25 Ton Single Package Heat Pump, Air To Air Type With Electric Heat..... <i>For Unit Economizer, Add</i> <i>For &gt;35 To 70, Deduct</i> <i>For &gt;70 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For Low Ambient Protection, 0 Degree F, Add</i>	38,056.44 5,283.24 -1,108.19 -1,846.99 -2,585.79 648.56	558.32
<b>23 81 43 00-0017</b>			<b>Single Package Vertical Wall Heat Pumps (23 81 43)</b> Note: Air-to-air type with electric heat. Includes throwaway filters. Wall units are wired for 230/208 Volt, 1 phase, 60 HZ. With solid state electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls, insulated steel cabinet, with wall sleeve and outdoor grille and stainless steel drain pan. Excludes crane and associated personnel. See CSI section 01 22 23 00-0801 for crane lifting equipment.		
23 81 43 00-0018	EA		1/2 Ton Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat .....	2,952.26	227.89
23 81 43 00-0019	EA		1 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat .....	3,576.75	250.67
23 81 43 00-0020	EA		1-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat .....	4,615.76	262.07
23 81 43 00-0021	EA		2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat .....	5,289.80	284.86
23 81 43 00-0022	EA		2-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat .....	6,611.11	330.43
23 81 43 00-0023	EA		3 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat .....	7,065.27	376.01
23 81 43 00-0024	EA		3-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat .....	7,675.93	421.59
23 81 43 00-0025	EA		4 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat .....	8,636.23	467.17
23 81 43 00-0026	EA		5 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat .....	9,741.16	558.32
<b>23 81 43 00-0027</b>			<b>Heat Pump, Room Air-Conditioners (23 81 43)</b> Note: Includes throwaway filters and supplemental heat.		
<b>23 81 43 00-0028</b>			<b>Heat Pump, Window Unit, Room Air-Conditioners (23 81 43 00-0027)</b>		
<b>23 81 43 00-0029</b>			<b>Heat Pump, Window Unit, Room Air-Conditioners (Friedrich) (23 81 43 00-0028)</b>		
23 81 43 00-0030	EA		10,000 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YS10N10C) .....	2,050.75	110.42
			<i>For &gt;10 To 50, Deduct</i>	-91.50	
			<i>For &gt;50 To 75, Deduct</i>	-128.09	
			<i>For &gt;75 To 100, Deduct</i>	-182.99	
			<i>For &gt;100, Deduct</i>	-219.59	
23 81 43 00-0031	EA		12,000 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YS12N33C) .....	2,314.47	110.42
			<i>For &gt;10 To 50, Deduct</i>	-104.68	
			<i>For &gt;50 To 75, Deduct</i>	-146.55	
			<i>For &gt;75 To 100, Deduct</i>	-209.36	
			<i>For &gt;100, Deduct</i>	-251.24	
23 81 43 00-0032	EA		17,500 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich KHM18A34A).....	2,710.04	110.42
			<i>For &gt;10 To 50, Deduct</i>	-124.46	
			<i>For &gt;50 To 75, Deduct</i>	-174.24	
			<i>For &gt;75 To 100, Deduct</i>	-248.92	
			<i>For &gt;100, Deduct</i>	-298.70	
23 81 43 00-0033	EA		24,000 BTU, 10.3 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YL24N35D).....	3,149.57	110.42
			<i>For &gt;10 To 50, Deduct</i>	-146.44	
			<i>For &gt;50 To 75, Deduct</i>	-205.01	
			<i>For &gt;75 To 100, Deduct</i>	-292.87	
			<i>For &gt;100, Deduct</i>	-351.45	
<b>23 81 43 00-0034</b>			<b>Heat Pump, Through-The-Wall, Room Air-Conditioners (23 81 43 00-0027)</b> Note: Base unit excludes wall sleeve.		
<b>23 81 43 00-0035</b>			<b>Heat Pump, Through-The-Wall, Room Air-Conditioners (Friedrich) (23 81 43 00-0034)</b>		
23 81 43 00-0036	EA		9,300 BTU, 9.8 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich WY09C33D).....	2,060.91	78.87
			<i>For &gt;10 To 50, Deduct</i>	-95.16	
			<i>For &gt;50 To 75, Deduct</i>	-133.22	
			<i>For &gt;75 To 100, Deduct</i>	-190.32	
			<i>For &gt;100, Deduct</i>	-228.38	
			<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	275.88	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 81 Decentralized Unitary HVAC Equipment



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST

23 81	43 00-0037	EA	11,300 BTU, 9.3 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich WY12D33A).....	2,060.91	78.87
			<i>For &gt;10 To 50, Deduct</i>	-95.16	
			<i>For &gt;50 To 75, Deduct</i>	-133.22	
			<i>For &gt;75 To 100, Deduct</i>	-190.32	
			<i>For &gt;100, Deduct</i>	-228.38	
			<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	275.88	

23 81 49 Split System Heat Pumps (23 81)

23 81 49 00-0001 Air Cooled, Outdoor Section (23 81 49)

23 81	49 00-0002	EA	1.5 Ton, 14 SEER, Outdoor Heat Pump Unit.....	3,152.73	338.41
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	576.98	
			<i>For Winterstart Control, Add</i>	156.87	
			<i>For 15 SEER, Add</i>	475.20	
			<i>For 16 SEER, Add</i>	765.60	
			<i>For 18 SEER, Add</i>	1,161.60	
23 81	49 00-0003	EA	2 Ton, 14 SEER, Outdoor Heat Pump Unit.....	3,261.15	376.01
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	599.97	
			<i>For Winterstart Control, Add</i>	164.63	
			<i>For 15 SEER, Add</i>	484.46	
			<i>For 16 SEER, Add</i>	780.52	
			<i>For 18 SEER, Add</i>	1,184.23	
23 81	49 00-0004	EA	2.5 Ton, 14 SEER, Outdoor Heat Pump Unit.....	3,572.30	436.40
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	660.16	
			<i>For Winterstart Control, Add</i>	182.54	
			<i>For 15 SEER, Add</i>	524.06	
			<i>For 16 SEER, Add</i>	844.32	
			<i>For 18 SEER, Add</i>	1,281.03	
23 81	49 00-0005	EA	3 Ton, 14 SEER, Outdoor Heat Pump Unit.....	3,908.84	501.34
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	567.82	
			<i>For Winterstart Control, Add</i>	201.93	
			<i>For 15 SEER, Add</i>	566.85	
			<i>For 16 SEER, Add</i>	913.27	
			<i>For 18 SEER, Add</i>	1,385.64	
23 81	49 00-0006	EA	3.5 Ton, 14 SEER, Outdoor Heat Pump Unit.....	4,033.80	520.72
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	586.60	
			<i>For Winterstart Control, Add</i>	208.68	
			<i>For 15 SEER, Add</i>	584.10	
			<i>For 16 SEER, Add</i>	941.05	
			<i>For 18 SEER, Add</i>	1,427.80	
23 81	49 00-0007	EA	4 Ton, 14 SEER, Outdoor Heat Pump Unit.....	4,475.69	598.20
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	648.18	
			<i>For Winterstart Control, Add</i>	230.30	
			<i>For 15 SEER, Add</i>	651.80	
			<i>For 16 SEER, Add</i>	1,050.12	
			<i>For 18 SEER, Add</i>	1,593.29	
23 81	49 00-0008	EA	5 Ton, 14 SEER, Outdoor Heat Pump Unit.....	5,088.08	658.01
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	442.41	
			<i>For Winterstart Control, Add</i>	135.48	
			<i>For 15 SEER, Add</i>	746.65	
			<i>For 16 SEER, Add</i>	1,202.94	
			<i>For 18 SEER, Add</i>	1,825.15	
23 81	49 00-0009	EA	7.5 Ton, 11.5 EER, Outdoor Heat Pump Unit.....	6,527.47	736.14
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	536.70	
			<i>For Winterstart Control, Add</i>	159.92	
23 81	49 00-0010	EA	10 Ton, 11.1 EER, Outdoor Heat Pump Unit.....	9,015.91	883.36
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	396.59	
			<i>For Winterstart Control, Add</i>	203.92	
23 81	49 00-0011	EA	15 Ton, 10.9 EER, Outdoor Heat Pump Unit.....	11,845.17	1,030.59
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	447.79	
			<i>For Winterstart Control, Add</i>	250.64	
23 81	49 00-0012	EA	20 Ton, 10.3 EER, Outdoor Heat Pump Unit.....	21,209.40	1,104.20
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	474.88	
			<i>For Winterstart Control, Add</i>	354.03	

23 81 49 00-0013 Indoor Section, Horizontal Upflow (23 81 49)

			Note: Electric heat. Includes throwaway filters.		
23 81	49 00-0014	EA	2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat.....	1,132.31	112.52
			<i>For Additional 5 KW Electric Heat, Add</i>	101.92	
23 81	49 00-0015	EA	2-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat.....	1,250.63	140.18
			<i>For Additional 5 KW Electric Heat, Add</i>	111.04	
23 81	49 00-0016	EA	3 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat.....	1,309.43	169.31
			<i>For Additional 5 KW Electric Heat, Add</i>	113.98	
23 81	49 00-0017	EA	3-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat.....	1,760.16	198.24
			<i>For Additional 5 KW Electric Heat, Add</i>	156.17	
23 81	49 00-0018	EA	4 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat.....	1,810.83	223.47
			<i>For Additional 5 KW Electric Heat, Add</i>	158.71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 81 49 00-0019	EA		5 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat <i>For Additional 5 KW Electric Heat, Add</i>	2,009.93 175.34	256.59
23 81 49 00-0020	EA		7-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat <i>For Additional 5 KW Electric Heat, Add</i>	4,269.03 384.84	420.65
23 81 49 00-0021	EA		10 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15 kW Electric Heat <i>For Additional 5 KW Electric Heat, Add</i>	6,270.94 579.78	473.23
23 81 49 00-0022	EA		15 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15KW Electric Heat <i>For Additional 5 KW Electric Heat, Add</i>	8,775.84 825.00	525.81
23 81 49 00-0023	EA		20 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15 KW Electric Heat <i>For Additional 5 KW Electric Heat, Add</i>	9,979.59 934.85	630.97

**23 81 49 00-0024 Ductless Split System Heat Pumps** (23 81 49)

Note: Excludes refrigerant piping, electrical, and pad. Sanyo units or equal. See CSI section 23 81 26 13-0030 for accessories.

**23 81 49 00-0025 Wall Mounted Ductless Split System Heat Pumps** (23 81 49 00-0024)

23 81 49 00-0026	EA		9,000 BTU Cooling, 12,200 BTU Heating, 16 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,322.18	347.03
23 81 49 00-0027	EA		11,900 BTU Cooling, 13,300 BTU Heating, 17 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,565.33	378.58
23 81 49 00-0028	EA		17,500 BTU Cooling, 20,400 BTU Heating, 20 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,131.03	420.65
23 81 49 00-0029	EA		24,200 BTU Cooling, 29,000 BTU Heating, 17 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,604.26	462.72
23 81 49 00-0030	EA		25,200 BTU Cooling, 29,200 BTU Heating, 14.9 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,116.17	504.78
23 81 49 00-0031	EA		29,800 BTU Cooling, 34,800 BTU Heating, 15 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,929.13	525.81
23 81 49 00-0032	EA		31,400 BTU Cooling, 36,400 BTU Heating, 15.9 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,504.45	560.51

**23 81 49 00-0033 Dual and Tri Zone Wall Mounted Ductless Split System Heat Pumps** (23 81 49 00-0024)

Note: Use this section only when matching indoor and outdoor capacity units are not used.

23 81 49 00-0034	EA		7,500 BTU Cooling, 8,500 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	962.10	168.26
23 81 49 00-0035	EA		9,000 BTU Cooling, 12,200 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	1,015.33	178.78
23 81 49 00-0036	EA		11,900 BTU Cooling, 14,300 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	1,069.45	189.29
23 81 49 00-0037	EA		17,500 BTU Cooling, 20,400 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	1,217.84	199.81
23 81 49 00-0038	EA		24,200 BTU Cooling, 29,000 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	1,297.99	210.33
23 81 49 00-0039	EA		19,700 BTU Cooling, 24,800 BTU Heating, 16.4 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes outdoor unit and refrigerant charge.	2,895.18	252.39
23 81 49 00-0040	EA		23,200 BTU Cooling, 29,200 BTU Heating, 16.5 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes outdoor unit and refrigerant charge.	3,432.54	273.42
23 81 49 00-0041	EA		30,600 BTU Cooling, 32,000 BTU Heating, 17.2 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes outdoor unit and refrigerant charge.	5,574.14	294.45

**23 81 49 00-0042 Suspended Ceiling Mounted Ductless Split System Heat Pumps** (23 81 49 00-0024)

Note: Excludes hangers.

23 81 49 00-0043	EA		24,400 BTU Cooling, 30,800 BTU Heating, 14.5 SEER, Ceiling Suspended Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,469.88	504.78
23 81 49 00-0044	EA		31,200 BTU Cooling, 37,400 BTU Heating, 15.1 SEER, Ceiling Suspended Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,639.05	602.58
23 81 49 00-0045	EA		39,000 BTU Cooling, 44,500 BTU Heating, 15.6 SEER, Ceiling Suspended Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	8,016.23	630.97

**23 81 49 00-0046 Recessed Ceiling Mounted Ductless Split System Heat Pumps** (23 81 49 00-0024)

Note: Excludes hangers.

23 81 49 00-0047	EA		11,900 BTU Cooling, 13,600 BTU Heating, 16 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,623.89	420.65
23 81 49 00-0048	EA		17,500 BTU Cooling, 20,400 BTU Heating, 16 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,109.68	462.72
23 81 49 00-0049	EA		24,800 BTU Cooling, 29,800 BTU Heating, 14.1 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,440.38	546.84
23 81 49 00-0050	EA		32,600 BTU Cooling, 37,600 BTU Heating, 14.6 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,279.96	602.58
23 81 49 00-0051	EA		39,500 BTU Cooling, 48,000 BTU Heating, 14.6 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	7,836.69	630.97

**23 82 Convection Heating and Cooling Units** (23 80)

**23 82 16 Air Coils** (23 82)

**23 82 16 11 Hydronic Air Coils** (23 82 16)

**23 82 16 11-0001 Chilled Water Cooling Coils** (23 82 16 11)

Note: Flanged construction, 16 gauge galvanized steel casing.

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 80 Decentralized Unitary HVAC Equipment**

**23 82 Convection Heating and Cooling Units**



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

		MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
23 82 16 11-0002		<b>2 Row Chilled Water Cooling Coils</b> <small>(23 82 16 11-0001)</small>						
23 82 16 11-0003	EA				12" x 12" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,671.96	54.84	
23 82 16 11-0004	EA				12" x 24" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,778.87	74.58	
23 82 16 11-0005	EA				24" x 30" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,736.93	117.35	
23 82 16 11-0006	EA				24" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,508.37	167.79	
23 82 16 11-0007	EA				30" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,779.15	206.19	
23 82 16 11-0008	EA				30" x 60" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,344.57	250.05	
23 82 16 11-0009	EA				30" x 72" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,721.91	289.53	
23 82 16 11-0010	EA				30" x 84" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	6,185.44	511.51	
23 82 16 11-0011	EA				34" x 32" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,842.71	194.45	
23 82 16 11-0012	EA				34" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,926.76	331.10	
23 82 16 11-0013	EA				34" x 60" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,509.80	411.27	
23 82 16 11-0014	EA				34" x 72" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	6,039.10	496.70	
23 82 16 11-0015	EA				34" x 84" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	6,592.04	578.40	
23 82 16 11-0016		<b>4 Row Chilled Water Cooling Coils</b> <small>(23 82 16 11-0001)</small>						
23 82 16 11-0017	EA				12" x 12" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,073.83	114.06	
23 82 16 11-0018	EA				12" x 24" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,341.45	164.51	
23 82 16 11-0019	EA				24" x 30" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,546.62	274.18	
23 82 16 11-0020	EA				24" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,548.79	406.88	
23 82 16 11-0021	EA				30" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	6,410.06	499.01	
23 82 16 11-0022	EA				30" x 60" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	7,615.80	609.77	
23 82 16 11-0023	EA				30" x 72" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	8,474.63	731.50	
23 82 16 11-0024	EA				30" x 84" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	8,262.05	851.49	
23 82 16 11-0025	EA				34" x 32" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,225.04	367.51	
23 82 16 11-0026	EA				34" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	6,649.43	552.75	
23 82 16 11-0027	EA				34" x 60" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	7,365.54	685.44	
23 82 16 11-0028	EA				34" x 72" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	8,211.12	825.83	
23 82 16 11-0029	EA				34" x 84" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	8,996.56	965.43	
23 82 16 11-0030		<b>6 Row Chilled Water Cooling Coils</b> <small>(23 82 16 11-0001)</small>						
23 82 16 11-0031	EA				12" x 12" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,933.62	144.77	
23 82 16 11-0032	EA				12" x 24" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,444.17	214.95	
23 82 16 11-0033	EA				24" x 30" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,667.90	366.30	
23 82 16 11-0034	EA				24" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	6,325.22	548.35	
23 82 16 11-0035	EA				30" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	8,321.72	685.44	
23 82 16 11-0036	EA				30" x 60" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	9,437.74	843.37	
23 82 16 11-0037	EA				30" x 72" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	10,974.75	996.91	
23 82 16 11-0038	EA				30" x 84" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	10,396.31	1,161.74	
23 82 16 11-0039	EA				34" x 32" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	6,530.41	502.18	
23 82 16 11-0040	EA				34" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	8,329.65	753.22	
23 82 16 11-0041	EA				34" x 60" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	9,351.25	943.17	
23 82 16 11-0042	EA				34" x 72" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	10,339.06	1,133.02	
23 82 16 11-0043	EA				34" x 84" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	11,332.55	1,318.14	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>23 82 16 11-0044</b>		<b>8 Row Chilled Water Cooling Coils</b> <small>(23 82 16 11-0001)</small>		
23 82 16 11-0045	EA	12" x 12" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,669.80	174.37
23 82 16 11-0046	EA	12" x 24" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,471.74	267.60
23 82 16 11-0047	EA	24" x 30" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	6,643.50	477.07
23 82 16 11-0048	EA	24" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	8,782.18	731.50
23 82 16 11-0049	EA	30" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	10,531.78	914.66
23 82 16 11-0050	EA	30" x 60" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	12,219.85	1,096.72
23 82 16 11-0051	EA	30" x 72" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	14,062.87	1,218.45
23 82 16 11-0052	EA	30" x 84" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	11,908.43	1,413.34
23 82 16 11-0053	EA	34" x 32" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	7,440.90	611.97
23 82 16 11-0054	EA	34" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	9,516.21	920.04
23 82 16 11-0055	EA	34" x 60" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	10,699.92	1,146.06
23 82 16 11-0056	EA	34" x 72" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	11,824.05	1,370.89
23 82 16 11-0057	EA	34" x 84" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	13,008.96	1,612.82

**23 82 16 11-0058 Hot Water Heating Coils** (23 82 16 11)  
Note: Flanged construction.

<b>23 82 16 11-0059</b>		<b>1 Row Hot Water Heating Coils</b> <small>(23 82 16 11-0058)</small>		
23 82 16 11-0060	EA	12" x 12" Hot Water Heating Coil, 1 Row Flanged Construction.....	1,316.14	148.05
		<i>For 10 Fins Per Inch, Add</i>	20.39	
		<i>For 12 Fins Per Inch, Add</i>	50.99	
		<i>For 230 PSIG Heavy Duty, Add</i>	292.87	
23 82 16 11-0061	EA	12" x 24" Hot Water Heating Coil, 1 Row Flanged Construction.....	1,954.13	189.73
		<i>For 10 Fins Per Inch, Add</i>	31.52	
		<i>For 12 Fins Per Inch, Add</i>	78.80	
		<i>For 230 PSIG Heavy Duty, Add</i>	428.64	
23 82 16 11-0062	EA	24" x 30" Hot Water Heating Coil, 1 Row Flanged Construction.....	2,376.29	261.02
		<i>For 10 Fins Per Inch, Add</i>	37.08	
		<i>For 12 Fins Per Inch, Add</i>	92.70	
		<i>For 230 PSIG Heavy Duty, Add</i>	527.48	
23 82 16 11-0063	EA	24" x 48" Hot Water Heating Coil, 1 Row Flanged Construction.....	2,816.95	366.30
		<i>For 10 Fins Per Inch, Add</i>	41.72	
		<i>For 12 Fins Per Inch, Add</i>	104.29	
		<i>For 230 PSIG Heavy Duty, Add</i>	636.50	
23 82 16 11-0064	EA	30" x 48" Hot Water Heating Coil, 1 Row Flanged Construction.....	3,194.94	438.69
		<i>For 10 Fins Per Inch, Add</i>	46.35	
		<i>For 12 Fins Per Inch, Add</i>	115.88	
		<i>For 230 PSIG Heavy Duty, Add</i>	726.73	
23 82 16 11-0065	EA	30" x 60" Hot Water Heating Coil, 1 Row Flanged Construction.....	3,738.75	548.35
		<i>For 10 Fins Per Inch, Add</i>	52.84	
		<i>For 12 Fins Per Inch, Add</i>	132.10	
		<i>For 230 PSIG Heavy Duty, Add</i>	857.42	
23 82 16 11-0066	EA	30" x 72" Hot Water Heating Coil, 1 Row Flanged Construction.....	4,185.05	608.68
		<i>For 10 Fins Per Inch, Add</i>	59.33	
		<i>For 12 Fins Per Inch, Add</i>	148.32	
		<i>For 230 PSIG Heavy Duty, Add</i>	958.87	
23 82 16 11-0067	EA	30" x 84" Hot Water Heating Coil, 1 Row Flanged Construction.....	5,180.77	707.71
		<i>For 10 Fins Per Inch, Add</i>	75.20	
		<i>For 12 Fins Per Inch, Add</i>	188.01	
		<i>For 230 PSIG Heavy Duty, Add</i>	1,178.22	
23 82 16 11-0068	EA	34" x 32" Hot Water Heating Coil, 1 Row Flanged Construction.....	2,236.82	306.65
		<i>For 10 Fins Per Inch, Add</i>	32.47	
		<i>For 12 Fins Per Inch, Add</i>	81.17	
		<i>For 230 PSIG Heavy Duty, Add</i>	508.70	
23 82 16 11-0069	EA	34" x 48" Hot Water Heating Coil, 1 Row Flanged Construction.....	3,355.22	460.07
		<i>For 10 Fins Per Inch, Add</i>	48.70	
		<i>For 12 Fins Per Inch, Add</i>	121.76	
		<i>For 230 PSIG Heavy Duty, Add</i>	763.05	
23 82 16 11-0070	EA	34" x 72" Hot Water Heating Coil, 1 Row Flanged Construction.....	5,044.52	695.86
		<i>For 10 Fins Per Inch, Add</i>	73.06	
		<i>For 12 Fins Per Inch, Add</i>	182.64	
		<i>For 230 PSIG Heavy Duty, Add</i>	1,148.08	
23 82 16 11-0071	EA	34" x 84" Hot Water Heating Coil, 1 Row Flanged Construction.....	5,874.32	806.42
		<i>For 10 Fins Per Inch, Add</i>	85.23	
		<i>For 12 Fins Per Inch, Add</i>	213.08	
		<i>For 230 PSIG Heavy Duty, Add</i>	1,336.15	
23 82 16 11-0072	SF	>15 SF Hot Water Heating Coil, 1 Row, Flanged Construction.....	267.78	40.58
		<i>For 10 Fins Per Inch, Add</i>	3.73	
		<i>For 12 Fins Per Inch, Add</i>	9.33	
		<i>For 230 PSIG Heavy Duty, Add</i>	61.67	

**23 82 16 11-0073 2 Row Hot Water Heating Coils** (23 82 16 11-0058)

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 80 Decentralized Unitary HVAC Equipment**

**23 82 Convection Heating and Cooling Units**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 11-0074	EA	12" x 12"	Hot Water Heating Coil, 2 Row Flanged Construction.....	2,126.93	183.15
			<i>For 10 Fins Per Inch, Add</i>	35.23	
			<i>For 12 Fins Per Inch, Add</i>	88.07	
			<i>For 230 PSIG Heavy Duty, Add</i>	461.94	
23 82 16 11-0075	EA	12" x 24"	Hot Water Heating Coil, 2 Row Flanged Construction.....	2,295.13	243.47
			<i>For 10 Fins Per Inch, Add</i>	36.15	
			<i>For 12 Fins Per Inch, Add</i>	90.39	
			<i>For 230 PSIG Heavy Duty, Add</i>	507.77	
23 82 16 11-0076	EA	24" x 30"	Hot Water Heating Coil, 2 Row Flanged Construction.....	3,095.06	366.30
			<i>For 10 Fins Per Inch, Add</i>	47.28	
			<i>For 12 Fins Per Inch, Add</i>	118.20	
			<i>For 230 PSIG Heavy Duty, Add</i>	692.13	
23 82 16 11-0077	EA	24" x 48"	Hot Water Heating Coil, 2 Row Flanged Construction.....	3,732.87	522.03
			<i>For 10 Fins Per Inch, Add</i>	53.77	
			<i>For 12 Fins Per Inch, Add</i>	134.42	
			<i>For 230 PSIG Heavy Duty, Add</i>	851.02	
23 82 16 11-0078	EA	30" x 48"	Hot Water Heating Coil, 2 Row Flanged Construction.....	4,303.09	644.87
			<i>For 10 Fins Per Inch, Add</i>	60.26	
			<i>For 12 Fins Per Inch, Add</i>	150.64	
			<i>For 230 PSIG Heavy Duty, Add</i>	989.64	
23 82 16 11-0079	EA	30" x 60"	Hot Water Heating Coil, 2 Row Flanged Construction.....	4,579.57	783.06
			<i>For 10 Fins Per Inch, Add</i>	60.26	
			<i>For 12 Fins Per Inch, Add</i>	150.64	
			<i>For 230 PSIG Heavy Duty, Add</i>	1,072.59	
23 82 16 11-0080	EA	30" x 72"	Hot Water Heating Coil, 2 Row Flanged Construction.....	5,165.16	914.66
			<i>For 10 Fins Per Inch, Add</i>	66.75	
			<i>For 12 Fins Per Inch, Add</i>	166.87	
			<i>For 230 PSIG Heavy Duty, Add</i>	1,215.82	
23 82 16 11-0081	EA	30" x 84"	Hot Water Heating Coil, 2 Row Flanged Construction.....	6,355.61	1,062.72
			<i>For 10 Fins Per Inch, Add</i>	84.60	
			<i>For 12 Fins Per Inch, Add</i>	211.51	
			<i>For 230 PSIG Heavy Duty, Add</i>	1,483.66	
23 82 16 11-0082	EA	34" x 32"	Hot Water Heating Coil, 2 Row Flanged Construction.....	2,743.33	458.54
			<i>For 10 Fins Per Inch, Add</i>	36.53	
			<i>For 12 Fins Per Inch, Add</i>	91.32	
			<i>For 230 PSIG Heavy Duty, Add</i>	640.36	
23 82 16 11-0083	EA	34" x 48"	Hot Water Heating Coil, 2 Row Flanged Construction.....	4,117.32	688.85
			<i>For 10 Fins Per Inch, Add</i>	54.79	
			<i>For 12 Fins Per Inch, Add</i>	136.98	
			<i>For 230 PSIG Heavy Duty, Add</i>	961.24	
23 82 16 11-0084	EA	34" x 72"	Hot Water Heating Coil, 2 Row Flanged Construction.....	6,186.42	1,038.59
			<i>For 10 Fins Per Inch, Add</i>	82.19	
			<i>For 12 Fins Per Inch, Add</i>	205.47	
			<i>For 230 PSIG Heavy Duty, Add</i>	1,445.00	
23 82 16 11-0085	EA	34" x 84"	Hot Water Heating Coil, 2 Row Flanged Construction.....	7,220.58	1,213.19
			<i>For 10 Fins Per Inch, Add</i>	95.88	
			<i>For 12 Fins Per Inch, Add</i>	239.71	
			<i>For 230 PSIG Heavy Duty, Add</i>	1,686.75	
<b>23 82 16 11-0086</b>	<b>Hot Water Preheat Coils For Multi-Zone Air Handling Units</b> <small>(23 82 16 11)</small>				
	Note: 2 Row coils. Coils are sized by air handling unit capacity.				
23 82 16 11-0087	EA	3,000 CFM	Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	1,728.45	139.29
23 82 16 11-0088	EA	4,000 CFM	Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	2,210.50	138.19
23 82 16 11-0089	EA	5,000 CFM	Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	2,711.31	148.05
23 82 16 11-0090	EA	6,500 CFM	Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	3,150.00	161.21
23 82 16 11-0091	EA	7,500 CFM	Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	3,164.88	168.89
23 82 16 11-0092	EA	9,200 CFM	Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	3,830.13	177.67
23 82 16 11-0093	EA	11,500 CFM	Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	3,967.86	199.61
23 82 16 11-0094	EA	13,200 CFM	Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	4,387.50	223.73
23 82 16 11-0095	EA	16,500 CFM	Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	4,938.36	267.60
23 82 16 11-0096	EA	19,500 CFM	Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	5,382.96	280.76
23 82 16 11-0097	EA	22,000 CFM	Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	6,896.59	297.21
23 82 16 11-0098	EA	27,000 CFM	Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	8,784.81	406.88
23 82 16 11-0099	EA	34,000 CFM	Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	11,036.72	499.01
23 82 16 11-0100	EA	40,000 CFM	Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	12,855.60	522.03
23 82 16 11-0101	EA	47,000 CFM	Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	15,100.79	608.68
<b>23 82 16 12</b>	<b>Steam Air Coils</b> <small>(23 82 16)</small>				
<b>23 82 16 12-0001</b>	<b>Steam Heating Coils</b> <small>(23 82 16 12)</small>				
	Note: Flanged construction.				
23 82 16 12-0002	EA	12" x 12"	Steam Heating Coils, 1 Row Flanged Construction.....	2,042.84	103.09
			<i>For 2 Row Coil, Add</i>	653.85	
			<i>For 4 Row Coil, Add</i>	1,722.42	
23 82 16 12-0003	EA	12" x 24"	Steam Heating Coils, 1 Row Flanged Construction.....	2,253.97	142.57
			<i>For 2 Row Coil, Add</i>	733.16	
			<i>For 4 Row Coil, Add</i>	1,925.67	
23 82 16 12-0004	EA	24" x 30"	Steam Heating Coils, 1 Row Flanged Construction.....	2,938.67	255.53
			<i>For 2 Row Coil, Add</i>	983.62	
			<i>For 4 Row Coil, Add</i>	2,570.28	
23 82 16 12-0005	EA	24" x 48"	Steam Heating Coils, 1 Row Flanged Construction.....	3,684.80	366.30
			<i>For 2 Row Coil, Add</i>	1,251.67	
			<i>For 4 Row Coil, Add</i>	3,262.23	
23 82 16 12-0006	EA	30" x 48"	Steam Heating Coils, 1 Row Flanged Construction.....	4,093.58	438.69
			<i>For 2 Row Coil, Add</i>	1,403.55	
			<i>For 4 Row Coil, Add</i>	3,652.13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 12-0007	EA		30" x 60" Steam Heating Coils, 1 Row Flanged Construction.....	4,575.48	548.35
			For 2 Row Coil, Add	1,591.99	
			For 4 Row Coil, Add	4,131.97	
23 82 16 12-0008	EA		30" x 72" Steam Heating Coils, 1 Row Flanged Construction.....	5,025.52	608.68
			For 2 Row Coil, Add	1,751.37	
			For 4 Row Coil, Add	4,544.40	
23 82 16 12-0009	EA		30" x 84" Steam Heating Coils, 1 Row Flanged Construction.....	6,246.06	710.34
			For 2 Row Coil, Add	2,157.94	
			For 4 Row Coil, Add	5,607.71	
23 82 16 12-0010	EA		34" x 32" Steam Heating Coils, 1 Row Flanged Construction.....	2,696.76	306.65
			For 2 Row Coil, Add	931.70	
			For 4 Row Coil, Add	2,421.16	
23 82 16 12-0011	EA		34" x 48" Steam Heating Coils, 1 Row Flanged Construction.....	4,045.15	460.07
			For 2 Row Coil, Add	1,397.56	
			For 4 Row Coil, Add	3,631.75	
23 82 16 12-0012	EA		34" x 72" Steam Heating Coils, 1 Row Flanged Construction.....	6,065.38	688.85
			For 2 Row Coil, Add	2,095.17	
			For 4 Row Coil, Add	5,444.75	
23 82 16 12-0013	EA		34" x 84" Steam Heating Coils, 1 Row Flanged Construction.....	7,081.68	806.42
			For 2 Row Coil, Add	2,447.07	
			For 4 Row Coil, Add	6,358.85	
<b>23 82 16 13</b>			<b>Refrigerant Air Coils <sup>(23 82 16)</sup></b>		
<b>23 82 16 13-0001</b>			<b>Direct Expansion Cooling Coils <sup>(23 82 16 13)</sup></b>		
			Note: Flanged construction 16 gauge galvanized steel casing.		
<b>23 82 16 13-0002</b>			<b>2 Row Direct Expansion Cooling Coils <sup>(23 82 16 13-0001)</sup></b>		
23 82 16 13-0003	EA		12" x 12" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,604.75	82.25
			For 10 Fins Per Inch, Add	28.80	
			For 12 Fins Per Inch, Add	71.99	
23 82 16 13-0004	EA		12" x 24" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,105.79	112.96
			For 10 Fins Per Inch, Add	57.59	
			For 12 Fins Per Inch, Add	143.98	
23 82 16 13-0005	EA		24" x 30" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,274.12	177.67
			For 10 Fins Per Inch, Add	78.41	
			For 12 Fins Per Inch, Add	196.02	
23 82 16 13-0006	EA		24" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,143.22	255.53
			For 10 Fins Per Inch, Add	92.66	
			For 12 Fins Per Inch, Add	231.66	
23 82 16 13-0007	EA		30" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,972.60	312.56
			For 10 Fins Per Inch, Add	106.92	
			For 12 Fins Per Inch, Add	267.30	
23 82 16 13-0008	EA		30" x 60" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	6,672.49	378.36
			For 10 Fins Per Inch, Add	118.32	
			For 12 Fins Per Inch, Add	295.81	
23 82 16 13-0009	EA		30" x 72" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	7,648.86	438.69
			For 10 Fins Per Inch, Add	135.43	
			For 12 Fins Per Inch, Add	338.57	
23 82 16 13-0010	EA		30" x 84" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	9,606.23	511.51
			For 10 Fins Per Inch, Add	171.66	
			For 12 Fins Per Inch, Add	429.16	
23 82 16 13-0011	EA		34" x 32" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,688.77	194.45
			For 10 Fins Per Inch, Add	66.00	
			For 12 Fins Per Inch, Add	164.99	
23 82 16 13-0012	EA		34" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,736.66	331.10
			For 10 Fins Per Inch, Add	81.49	
			For 12 Fins Per Inch, Add	203.72	
23 82 16 13-0013	EA		34" x 72" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,814.20	496.70
			For 10 Fins Per Inch, Add	96.42	
			For 12 Fins Per Inch, Add	241.04	
23 82 16 13-0014	EA		34" x 84" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	6,349.62	578.40
			For 10 Fins Per Inch, Add	103.86	
			For 12 Fins Per Inch, Add	259.64	
<b>23 82 16 13-0015</b>			<b>4 Row Direct Expansion Cooling Coils <sup>(23 82 16 13-0001)</sup></b>		
23 82 16 13-0016	EA		12" x 12" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,673.34	114.06
			For 10 Fins Per Inch, Add	48.90	
			For 12 Fins Per Inch, Add	122.24	
23 82 16 13-0017	EA		12" x 24" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,820.03	164.51
			For 10 Fins Per Inch, Add	69.85	
			For 12 Fins Per Inch, Add	174.63	
23 82 16 13-0018	EA		24" x 30" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,181.47	274.18
			For 10 Fins Per Inch, Add	92.66	
			For 12 Fins Per Inch, Add	231.66	
23 82 16 13-0019	EA		24" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	6,300.85	406.88
			For 10 Fins Per Inch, Add	109.77	
			For 12 Fins Per Inch, Add	274.42	
23 82 16 13-0020	EA		30" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	7,269.56	499.01
			For 10 Fins Per Inch, Add	125.45	
			For 12 Fins Per Inch, Add	313.63	
23 82 16 13-0021	EA		30" x 60" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	8,631.57	609.77
			For 10 Fins Per Inch, Add	148.26	
			For 12 Fins Per Inch, Add	370.65	
23 82 16 13-0022	EA		30" x 72" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	9,588.07	731.50
			For 10 Fins Per Inch, Add	162.52	
			For 12 Fins Per Inch, Add	406.29	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 82 Convection Heating and Cooling Units



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 82 16 13-0023	EA	30" x 84" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	9,303.52	851.49
		<i>For 10 Fins Per Inch, Add</i>	152.01	
		<i>For 12 Fins Per Inch, Add</i>	380.03	
23 82 16 13-0024	EA	34" x 32" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,937.98	367.51
		<i>For 10 Fins Per Inch, Add</i>	104.06	
		<i>For 12 Fins Per Inch, Add</i>	260.15	
23 82 16 13-0025	EA	34" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	7,529.70	552.75
		<i>For 10 Fins Per Inch, Add</i>	128.48	
		<i>For 12 Fins Per Inch, Add</i>	321.21	
23 82 16 13-0026	EA	34" x 72" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	11,305.78	972.24
		<i>For 10 Fins Per Inch, Add</i>	187.23	
		<i>For 12 Fins Per Inch, Add</i>	468.06	
23 82 16 13-0027	EA	34" x 84" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	12,935.42	1,133.02
		<i>For 10 Fins Per Inch, Add</i>	213.39	
		<i>For 12 Fins Per Inch, Add</i>	533.47	

23 82 16 13-0028 6 Row Direct Expansion Cooling Coils (23 82 16 13-0001)

23 82 16 13-0029	EA	12" x 12" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,424.88	143.67
		<i>For 10 Fins Per Inch, Add</i>	62.73	
		<i>For 12 Fins Per Inch, Add</i>	156.81	
23 82 16 13-0030	EA	12" x 24" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,922.75	214.95
		<i>For 10 Fins Per Inch, Add</i>	69.85	
		<i>For 12 Fins Per Inch, Add</i>	174.63	
23 82 16 13-0031	EA	24" x 30" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,649.38	366.30
		<i>For 10 Fins Per Inch, Add</i>	98.36	
		<i>For 12 Fins Per Inch, Add</i>	245.91	
23 82 16 13-0032	EA	24" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	7,155.42	548.35
		<i>For 10 Fins Per Inch, Add</i>	121.17	
		<i>For 12 Fins Per Inch, Add</i>	302.94	
23 82 16 13-0033	EA	30" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	9,425.40	685.44
		<i>For 10 Fins Per Inch, Add</i>	161.09	
		<i>For 12 Fins Per Inch, Add</i>	402.73	
23 82 16 13-0034	EA	30" x 60" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	10,668.38	843.37
		<i>For 10 Fins Per Inch, Add</i>	179.62	
		<i>For 12 Fins Per Inch, Add</i>	449.06	
23 82 16 13-0035	EA	30" x 72" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	12,400.74	996.91
		<i>For 10 Fins Per Inch, Add</i>	208.13	
		<i>For 12 Fins Per Inch, Add</i>	520.34	
23 82 16 13-0036	EA	30" x 84" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	11,678.12	1,161.74
		<i>For 10 Fins Per Inch, Add</i>	187.09	
		<i>For 12 Fins Per Inch, Add</i>	467.73	
23 82 16 13-0037	EA	34" x 32" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	7,407.86	502.18
		<i>For 10 Fins Per Inch, Add</i>	128.07	
		<i>For 12 Fins Per Inch, Add</i>	320.18	
23 82 16 13-0038	EA	34" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	9,413.05	753.22
		<i>For 10 Fins Per Inch, Add</i>	158.13	
		<i>For 12 Fins Per Inch, Add</i>	395.33	
23 82 16 13-0039	EA	34" x 72" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	11,602.36	1,123.69
		<i>For 10 Fins Per Inch, Add</i>	187.10	
		<i>For 12 Fins Per Inch, Add</i>	467.75	
23 82 16 13-0040	EA	34" x 84" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	12,713.36	1,318.14
		<i>For 10 Fins Per Inch, Add</i>	201.54	
		<i>For 12 Fins Per Inch, Add</i>	503.85	

23 82 16 13-0041 8 Row Direct Expansion Cooling Coils (23 82 16 13-0001)

23 82 16 13-0042	EA	12" x 12" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,268.50	173.29
		<i>For 10 Fins Per Inch, Add</i>	78.41	
		<i>For 12 Fins Per Inch, Add</i>	196.02	
23 82 16 13-0043	EA	12" x 24" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,096.82	267.60
		<i>For 10 Fins Per Inch, Add</i>	91.24	
		<i>For 12 Fins Per Inch, Add</i>	228.09	
23 82 16 13-0044	EA	24" x 30" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	7,546.95	477.07
		<i>For 10 Fins Per Inch, Add</i>	131.87	
		<i>For 12 Fins Per Inch, Add</i>	329.66	
23 82 16 13-0045	EA	24" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	9,944.46	731.50
		<i>For 10 Fins Per Inch, Add</i>	169.64	
		<i>For 12 Fins Per Inch, Add</i>	424.11	
23 82 16 13-0046	EA	30" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	11,913.81	914.66
		<i>For 10 Fins Per Inch, Add</i>	201.72	
		<i>For 12 Fins Per Inch, Add</i>	504.30	
23 82 16 13-0047	EA	30" x 60" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	13,811.88	1,096.72
		<i>For 10 Fins Per Inch, Add</i>	232.37	
		<i>For 12 Fins Per Inch, Add</i>	580.92	
23 82 16 13-0048	EA	30" x 72" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	15,908.84	1,218.45
		<i>For 10 Fins Per Inch, Add</i>	269.43	
		<i>For 12 Fins Per Inch, Add</i>	673.59	
23 82 16 13-0049	EA	30" x 84" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	13,350.47	1,413.34
		<i>For 10 Fins Per Inch, Add</i>	210.48	
		<i>For 12 Fins Per Inch, Add</i>	526.19	
23 82 16 13-0050	EA	34" x 32" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	8,428.04	611.97
		<i>For 10 Fins Per Inch, Add</i>	144.08	
		<i>For 12 Fins Per Inch, Add</i>	360.20	
23 82 16 13-0051	EA	34" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	10,735.04	920.04
		<i>For 10 Fins Per Inch, Add</i>	177.90	
		<i>For 12 Fins Per Inch, Add</i>	444.75	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 13-0052	EA		34" x 72" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	13,293.84	1,384.71
			<i>For 10 Fins Per Inch, Add</i>	210.49	
			<i>For 12 Fins Per Inch, Add</i>	526.22	
23 82 16 13-0053	EA		34" x 84" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	14,562.38	1,612.82
			<i>For 10 Fins Per Inch, Add</i>	226.74	
			<i>For 12 Fins Per Inch, Add</i>	566.84	
<b>23 82 16 14 Electric-Resistance Air Coils (23 82 16)</b>					
23 82 16 14-0001			<b>Standard Electric Slip-In Blast Coil Heater (23 82 16 14)</b>		
23 82 16 14-0002			<b>Electric Slip-In Blast Coil Heater With Open Coil Element (23 82 16 14-0001)</b>		
23 82 16 14-0003	EA		1/2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	479.89	80.98
23 82 16 14-0004	EA		1 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	493.37	87.29
23 82 16 14-0005	EA		2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	509.30	95.70
23 82 16 14-0006	EA		3 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	514.66	98.86
23 82 16 14-0007	EA		4 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	528.43	105.16
23 82 16 14-0008	EA		5 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	544.26	113.58
23 82 16 14-0009	EA		6 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	626.69	127.24
23 82 16 14-0010	EA		7 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	639.51	133.56
23 82 16 14-0011	EA		8 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	650.03	137.76
23 82 16 14-0012	EA		9 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	665.39	146.18
23 82 16 14-0013	EA		10 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	728.02	154.59
23 82 16 14-0014	EA		12-1/2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	757.95	169.31
23 82 16 14-0015	EA		15 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	787.71	184.04
23 82 16 14-0016	EA		20 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	818.80	198.76
23 82 16 14-0017	EA		30 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	1,121.77	277.63
23 82 16 14-0018	EA		40 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	2,002.30	295.51
23 82 16 14-0019	EA		50 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	2,200.86	338.62
23 82 16 14-0020	EA		60 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	2,600.39	375.43
23 82 16 14-0021	EA		70 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	2,728.45	408.03
23 82 16 14-0022	EA		80 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	2,989.56	447.99
23 82 16 14-0023	EA		90 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	3,672.54	478.49
23 82 16 14-0024	EA		100 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	4,034.63	514.24
23 82 16 14-0025	EA		125 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	4,898.70	555.25
23 82 16 14-0026	EA		150 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	5,517.16	603.63
23 82 16 14-0027			<b>Electric Slip-In Blast Coil Heater With Finned Tubular Element (23 82 16 14-0001)</b>		
23 82 16 14-0028	EA		1 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	834.00	115.67
23 82 16 14-0029	EA		2 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	859.66	126.19
23 82 16 14-0030	EA		3 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	869.55	126.19
23 82 16 14-0031	EA		4 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	940.03	138.81
23 82 16 14-0032	EA		5 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	981.54	138.81
23 82 16 14-0033	EA		6 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,003.62	138.81
23 82 16 14-0034	EA		8 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,054.27	154.59
23 82 16 14-0035	EA		9 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,100.41	173.52
23 82 16 14-0036	EA		10 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,122.50	173.52
23 82 16 14-0037	EA		15 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,263.98	198.76
23 82 16 14-0038	EA		20 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,616.98	198.76
23 82 16 14-0039	EA		25 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,717.56	215.58
23 82 16 14-0040	EA		30 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	2,020.67	231.36
23 82 16 14-0041	EA		40 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	2,400.55	231.36
23 82 16 14-0042	EA		45 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	2,619.74	241.87
23 82 16 14-0043	EA		50 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	2,751.46	241.87
<b>23 82 19 Fan Coil Units (23 82)</b>					
23 82 19 00-0001			<b>Ceiling Suspended Horizontal Fan Coil Units (23 82 19)</b>		
Note: Includes cabinet, chilled water coil, baked enamel finish, multispeed fan and fan switch with integral and/or remote thermostat to control valves and on/off and fan speeds. Excludes supports.					
23 82 19 00-0002			<b>Horizontal Fan Coil Units With Electric Heating Coil (23 82 19 00-0001)</b>		
23 82 19 00-0003	EA		200 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	2,037.28	177.67
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-52.69	
23 82 19 00-0004	EA		300 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	2,240.09	207.28
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-55.69	
23 82 19 00-0005	EA		400 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	2,479.57	233.60
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-58.33	
23 82 19 00-0006	EA		600 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	2,877.24	267.60
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-61.75	
23 82 19 00-0007	EA		800 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	3,234.06	280.76
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-107.18	
23 82 19 00-0008	EA		1,000 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	4,435.58	297.21
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-109.46	
23 82 19 00-0009	EA		1,200 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	5,402.83	322.44
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-113.38	
23 82 19 00-0010			<b>Horizontal Fan Coil Units With Hot Water Heating Coil (23 82 19 00-0001)</b>		
23 82 19 00-0011	EA		200 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	1,094.89	177.67
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-52.69	
23 82 19 00-0012	EA		300 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	1,336.12	207.28
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-55.69	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating and Cooling Units**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 82 19 00-0013	EA 400 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet..... <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	1,590.24 -58.33	233.60
23 82 19 00-0014	EA 600 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet..... <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	3,096.83 -61.75	267.60
23 82 19 00-0015	EA 800 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet..... <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	3,490.24 -107.18	281.86
23 82 19 00-0016	EA 1,000 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet..... <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	4,801.56 -109.46	297.21
23 82 19 00-0017	EA 1,200 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet..... <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	6,098.19 -113.38	322.44
<b>23 82 19 00-0018</b>	<b>Floor Mounted Vertical Fan Coil Units <small>(23 82 19)</small></b> Note: Includes cabinet, chilled water coil, baked enamel finish, multispeed fan and fan switch with integral and/or remote thermostat to control valves and on/off and fan speeds.		
<b>23 82 19 00-0019</b>	<b>Vertical Fan Coil Units With Electric Heating Coil <small>(23 82 19 00-0018)</small></b>		
23 82 19 00-0020	EA 200 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet..... <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	1,964.08 -259.23 125.76 -52.69	176.57
23 82 19 00-0021	EA 300 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet..... <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	2,243.75 -295.18 137.77 -55.69	207.28
23 82 19 00-0022	EA 400 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet..... <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	2,662.56 -352.72 148.34 -58.33	233.60
23 82 19 00-0023	EA 600 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet..... <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	3,060.23 -405.54 162.00 -61.75	267.60
23 82 19 00-0024	EA 800 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet..... <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	3,453.65 -461.81 167.48 -107.18	281.86
23 82 19 00-0025	EA 1,000 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet..... <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	4,435.58 -606.06 173.56 -109.46	297.21
23 82 19 00-0026	EA 1,200 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet..... <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	5,219.85 -718.47 184.02 -113.38	322.44
<b>23 82 19 00-0027</b>	<b>Vertical Fan Coil Units With Hot Water Heating Coil <small>(23 82 19 00-0018)</small></b>		
23 82 19 00-0028	EA 200 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet..... <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	2,183.67 -292.17 125.76 -52.69	176.57
23 82 19 00-0029	EA 300 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet..... <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	2,463.34 -328.12 137.77 -55.69	207.28
23 82 19 00-0030	EA 400 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet..... <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	3,028.54 -407.61 148.34 -58.33	233.60
23 82 19 00-0031	EA 600 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet..... <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	3,462.80 -465.92 162.00 -61.75	267.60
23 82 19 00-0032	EA 800 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet..... <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	3,856.22 -522.19 167.48 -107.18	281.86
23 82 19 00-0033	EA 1,000 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet..... <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	4,618.57 -633.50 173.56 -109.46	297.21
23 82 19 00-0034	EA 1,200 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet..... <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	5,402.83 -745.91 184.02 -113.38	322.44
<b>23 82 19 00-0035</b>	<b>Removal And Reinstallation Of Fan Coil Units <small>(23 82 19)</small></b> Note: Includes storage and cleaning. Excludes supports.		
23 82 19 00-0036	EA Removal And Reinstallation Of Fan Coil Unit Horizontal Or Vertical.....	466.29	
<b>23 82 29</b>	<b>Radiators <small>(23 82)</small></b>		
<b>23 82 29 00-0001</b>	<b>Demolish Cast Iron Radiators <small>(23 82 29)</small></b>		
23 82 29 00-0002	LF Demolish Cast Iron Radiator.....	32.89	
23 82 29 00-0003	EA Cap Radiator.....	49.43	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>23 82 29 00-0004</b>			<b>Cast Iron Radiator</b> (23 82 29)		
23 82 29 00-0005	EA		19" High Cast Iron Radiator Section, Free Standing.....	67.02	
			<i>For Wall Support Bracket, Add</i>	28.09	
23 82 29 00-0006	EA		25" High Cast Iron Radiator Section, Free Standing.....	97.95	
			<i>For Wall Support Bracket, Add</i>	29.52	
23 82 29 00-0007	EA		30" High Cast Iron Radiator Section, Free Standing.....	114.97	
23 82 29 00-0008	EA		36" High Cast Iron Radiator Section, Free Standing.....	146.64	
23 82 29 00-0009	EA		20" High Cast Iron Radiator Section, Recessed With Grille.....	91.14	
<b>23 82 29 00-0010</b>			<b>Radiator Covers</b> (23 82 29)		
			Note: Includes field cutouts, vent grilles, and insulation backing. To calculate quantity, measure the surface area of front, top and sides.		
23 82 29 00-0011	SF		14 Gauge Stainless Steel Radiator Cover .....	108.64	5.71
23 82 29 00-0012	SF		Primed And Painted, Galvanized Steel Radiator Cover.....	68.13	5.71
<b>23 82 29 00-0013</b>			<b>Radiator Shields</b> (23 82 29)		
23 82 29 00-0014	SF		Stainless Steel Radiator Shield.....	75.13	5.71
23 82 29 00-0015	SF		Primed And Painted, Galvanized Steel Radiator Shield .....	46.61	5.71
<b>23 82 29 00-0016</b>			<b>Removal And Reinstallation Of Radiator</b> (23 82 29)		
			Note: Includes storage and cleaning.		
23 82 29 00-0017	LF		Removal And Reinstallation Of Cast Iron Radiator.....	82.25	
23 82 29 00-0018	LF		Removal And Reinstallation Of Electric Radiator.....	54.84	
<b>23 82 33</b>			<b>Convectors</b> (23 82)		
<b>23 82 33 00-0001</b>			<b>Multi-Fin Convectors For Two-Pipe System</b> (23 82 33)		
			Note: Complete with 6-1/4" deep cabinet enclosure.		
<b>23 82 33 00-0002</b>			<b>20" High Multi-Fin Convectors For Two-Pipe System</b> (23 82 33 00-0001)		
23 82 33 00-0003	EA		20" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	493.41	120.64
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	60.84	
			<i>For Snap-On Inlet Grille, Add</i>	46.56	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	108.72	
23 82 33 00-0004	EA		20" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	579.05	131.61
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	65.82	
			<i>For Snap-On Inlet Grille, Add</i>	49.88	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	132.88	
23 82 33 00-0005	EA		20" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	667.17	155.73
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	76.73	
			<i>For Snap-On Inlet Grille, Add</i>	57.15	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	151.00	
23 82 33 00-0006	EA		20" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	797.70	180.95
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	88.25	
			<i>For Snap-On Inlet Grille, Add</i>	64.83	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	183.24	
23 82 33 00-0007	EA		20" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	951.55	217.15
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	104.69	
			<i>For Snap-On Inlet Grille, Add</i>	75.79	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	217.91	
23 82 33 00-0008	EA		20" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,069.31	238.87
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	114.54	
			<i>For Snap-On Inlet Grille, Add</i>	82.36	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	247.63	
23 82 33 00-0009	EA		20" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,245.09	289.53
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	137.56	
			<i>For Snap-On Inlet Grille, Add</i>	97.71	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	282.29	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 80 Decentralized Unitary HVAC Equipment**

**23 82 Convection Heating and Cooling Units**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 82 33 00-0010	EA 20" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet ..... <i>For Knob Operated Damper, Add</i> <i>For Metal Trim Strips, Add</i> <i>For Snap-On Inlet Grille, Add</i> <i>For Access Doors Hinged, Add</i> <i>For Air Chamber, Auto-vent, Add</i> <i>For 3 Tubes System, Add</i>	1,357.42 15.00 145.79 103.19 15.00 18.00 312.01	307.63
23 82 33 00-0011	EA 20" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet ..... <i>For Knob Operated Damper, Add</i> <i>For Metal Trim Strips, Add</i> <i>For Snap-On Inlet Grille, Add</i> <i>For Access Doors Hinged, Add</i> <i>For Air Chamber, Auto-vent, Add</i> <i>For 3 Tubes System, Add</i>	1,482.95 15.00 162.23 114.15 15.00 18.00 336.77	343.82
23 82 33 00-0012	EA 20" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet ..... <i>For Knob Operated Damper, Add</i> <i>For Metal Trim Strips, Add</i> <i>For Snap-On Inlet Grille, Add</i> <i>For Access Doors Hinged, Add</i> <i>For Air Chamber, Auto-vent, Add</i> <i>For 3 Tubes System, Add</i>	1,636.88 15.00 178.69 125.13 15.00 18.00 371.43	380.02
23 82 33 00-0013	EA 20" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet ..... <i>For Knob Operated Damper, Add</i> <i>For Metal Trim Strips, Add</i> <i>For Snap-On Inlet Grille, Add</i> <i>For Access Doors Hinged, Add</i> <i>For Air Chamber, Auto-vent, Add</i> <i>For 3 Tubes System, Add</i>	1,762.43 15.00 195.13 136.09 15.00 18.00 396.20	416.20
<b>23 82 33 00-0014 26" High Multi-Fin Convectors For Two-Pipe System (23 82 33 00-0001)</b>			
23 82 33 00-0015	EA 26" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet ..... <i>For Knob Operated Damper, Add</i> <i>For Metal Trim Strips, Add</i> <i>For Snap-On Inlet Grille, Add</i> <i>For Access Doors Hinged, Add</i> <i>For Air Chamber, Auto-vent, Add</i> <i>For 3 Tubes System, Add</i>	583.14 15.00 77.40 57.60 15.00 18.00 120.80	158.69
23 82 33 00-0016	EA 26" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet ..... <i>For Knob Operated Damper, Add</i> <i>For Metal Trim Strips, Add</i> <i>For Snap-On Inlet Grille, Add</i> <i>For Access Doors Hinged, Add</i> <i>For Air Chamber, Auto-vent, Add</i> <i>For 3 Tubes System, Add</i>	684.28 15.00 88.92 65.28 15.00 18.00 142.76	184.36
23 82 33 00-0017	EA 26" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet ..... <i>For Knob Operated Damper, Add</i> <i>For Metal Trim Strips, Add</i> <i>For Snap-On Inlet Grille, Add</i> <i>For Access Doors Hinged, Add</i> <i>For Air Chamber, Auto-vent, Add</i> <i>For 3 Tubes System, Add</i>	826.49 15.00 103.34 74.89 15.00 18.00 175.71	216.50
23 82 33 00-0018	EA 26" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet ..... <i>For Knob Operated Damper, Add</i> <i>For Metal Trim Strips, Add</i> <i>For Snap-On Inlet Grille, Add</i> <i>For Access Doors Hinged, Add</i> <i>For Air Chamber, Auto-vent, Add</i> <i>For 3 Tubes System, Add</i>	966.18 15.00 114.52 82.34 15.00 18.00 211.56	241.39
23 82 33 00-0019	EA 26" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet ..... <i>For Knob Operated Damper, Add</i> <i>For Metal Trim Strips, Add</i> <i>For Snap-On Inlet Grille, Add</i> <i>For Access Doors Hinged, Add</i> <i>For Air Chamber, Auto-vent, Add</i> <i>For 3 Tubes System, Add</i>	1,125.61 15.00 128.04 91.36 15.00 18.00 251.59	271.44
23 82 33 00-0020	EA 26" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet ..... <i>For Knob Operated Damper, Add</i> <i>For Metal Trim Strips, Add</i> <i>For Snap-On Inlet Grille, Add</i> <i>For Access Doors Hinged, Add</i> <i>For Air Chamber, Auto-vent, Add</i> <i>For 3 Tubes System, Add</i>	1,257.64 15.00 138.24 98.16 15.00 18.00 285.89	294.03
23 82 33 00-0021	EA 26" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet ..... <i>For Knob Operated Damper, Add</i> <i>For Metal Trim Strips, Add</i> <i>For Snap-On Inlet Grille, Add</i> <i>For Access Doors Hinged, Add</i> <i>For Air Chamber, Auto-vent, Add</i> <i>For 3 Tubes System, Add</i>	1,434.28 15.00 156.92 110.62 15.00 18.00 325.92	335.04
23 82 33 00-0022	EA 26" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet ..... <i>For Knob Operated Damper, Add</i> <i>For Metal Trim Strips, Add</i> <i>For Snap-On Inlet Grille, Add</i> <i>For Access Doors Hinged, Add</i> <i>For Air Chamber, Auto-vent, Add</i> <i>For 3 Tubes System, Add</i>	1,562.64 15.00 166.03 116.68 15.00 18.00 360.23	355.56

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0023	EA		26" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,691.79	387.68
			For Knob Operated Damper, Add	15.00	
			For Metal Trim Strips, Add	180.26	
			For Snap-On Inlet Grille, Add	126.18	
			For Access Doors Hinged, Add	15.00	
			For Air Chamber, Auto-vent, Add	18.00	
			For 3 Tubes System, Add	388.82	
23 82 33 00-0024	EA		26" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,854.12	419.17
			For Knob Operated Damper, Add	15.00	
			For Metal Trim Strips, Add	194.66	
			For Snap-On Inlet Grille, Add	135.77	
			For Access Doors Hinged, Add	15.00	
			For Air Chamber, Auto-vent, Add	18.00	
			For 3 Tubes System, Add	428.84	
23 82 33 00-0025	EA		26" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,978.96	448.01
			For Knob Operated Damper, Add	15.00	
			For Metal Trim Strips, Add	207.60	
			For Snap-On Inlet Grille, Add	144.40	
			For Access Doors Hinged, Add	15.00	
			For Air Chamber, Auto-vent, Add	18.00	
			For 3 Tubes System, Add	457.43	
<b>23 82 33 00-0026</b>			<b>32" High Multi-Fin Convectors For Two-Pipe System</b> <small>(23 82 33 00-0001)</small>		
23 82 33 00-0027	EA		32" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	671.96	193.03
			For Knob Operated Damper, Add	15.00	
			For Metal Trim Strips, Add	93.69	
			For Snap-On Inlet Grille, Add	68.46	
			For Access Doors Hinged, Add	15.00	
			For Air Chamber, Auto-vent, Add	18.00	
			For 3 Tubes System, Add	132.88	
23 82 33 00-0028	EA		32" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	802.46	233.60
			For Knob Operated Damper, Add	15.00	
			For Metal Trim Strips, Add	112.13	
			For Snap-On Inlet Grille, Add	80.76	
			For Access Doors Hinged, Add	15.00	
			For Air Chamber, Auto-vent, Add	18.00	
			For 3 Tubes System, Add	157.04	
23 82 33 00-0029	EA		32" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	965.76	273.08
			For Knob Operated Damper, Add	15.00	
			For Metal Trim Strips, Add	130.06	
			For Snap-On Inlet Grille, Add	92.71	
			For Access Doors Hinged, Add	15.00	
			For Air Chamber, Auto-vent, Add	18.00	
			For 3 Tubes System, Add	193.28	
23 82 33 00-0030	EA		32" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,114.53	296.77
			For Knob Operated Damper, Add	15.00	
			For Metal Trim Strips, Add	140.89	
			For Snap-On Inlet Grille, Add	99.92	
			For Access Doors Hinged, Add	15.00	
			For Air Chamber, Auto-vent, Add	18.00	
			For 3 Tubes System, Add	232.72	
23 82 33 00-0031	EA		32" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,276.14	320.68
			For Knob Operated Damper, Add	15.00	
			For Metal Trim Strips, Add	151.63	
			For Snap-On Inlet Grille, Add	107.09	
			For Access Doors Hinged, Add	15.00	
			For Air Chamber, Auto-vent, Add	18.00	
			For 3 Tubes System, Add	276.75	
23 82 33 00-0032	EA		32" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,419.27	343.82
			For Knob Operated Damper, Add	15.00	
			For Metal Trim Strips, Add	162.23	
			For Snap-On Inlet Grille, Add	114.15	
			For Access Doors Hinged, Add	15.00	
			For Air Chamber, Auto-vent, Add	18.00	
			For 3 Tubes System, Add	314.48	
23 82 33 00-0033	EA		32" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,589.16	372.77
			For Knob Operated Damper, Add	15.00	
			For Metal Trim Strips, Add	175.46	
			For Snap-On Inlet Grille, Add	122.97	
			For Access Doors Hinged, Add	15.00	
			For Air Chamber, Auto-vent, Add	18.00	
			For 3 Tubes System, Add	358.51	
23 82 33 00-0034	EA		32" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,733.41	396.68
			For Knob Operated Damper, Add	15.00	
			For Metal Trim Strips, Add	186.38	
			For Snap-On Inlet Grille, Add	130.25	
			For Access Doors Hinged, Add	15.00	
			For Air Chamber, Auto-vent, Add	18.00	
			For 3 Tubes System, Add	396.25	
23 82 33 00-0035	EA		32" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,862.74	423.44
			For Knob Operated Damper, Add	15.00	
			For Metal Trim Strips, Add	198.23	
			For Snap-On Inlet Grille, Add	138.15	
			For Access Doors Hinged, Add	15.00	
			For Air Chamber, Auto-vent, Add	18.00	
			For 3 Tubes System, Add	427.70	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating and Cooling Units**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 82 33 00-0036	EA	32" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	2,027.95	448.77
		<i>For Knob Operated Damper, Add</i>	15.00	
		<i>For Metal Trim Strips, Add</i>	210.05	
		<i>For Snap-On Inlet Grille, Add</i>	146.03	
		<i>For Access Doors Hinged, Add</i>	15.00	
		<i>For Air Chamber, Auto-vent, Add</i>	18.00	
		<i>For 3 Tubes System, Add</i>	471.72	
23 82 33 00-0037	EA	32" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	2,150.15	470.49
		<i>For Knob Operated Damper, Add</i>	15.00	
		<i>For Metal Trim Strips, Add</i>	219.76	
		<i>For Snap-On Inlet Grille, Add</i>	152.50	
		<i>For Access Doors Hinged, Add</i>	15.00	
		<i>For Air Chamber, Auto-vent, Add</i>	18.00	
		<i>For 3 Tubes System, Add</i>	503.17	
23 82 33 00-0038		<b>Electric Convectors, Floor Standing Units</b> <small>(23 82 33)</small>		
23 82 33 00-0039		<b>4" Deep Electric Convectors</b> <small>(23 82 33 00-0038)</small>		
23 82 33 00-0040	EA	38" Long x 14" High x 4" Deep Electric Convectors, Floor Standing Units.....	511.18	112.80
23 82 33 00-0041	EA	50" Long x 14" High x 4" Deep Electric Convectors, Floor Standing Units.....	562.61	112.80
23 82 33 00-0042		<b>6" Deep Electric Convectors</b> <small>(23 82 33 00-0038)</small>		
23 82 33 00-0043	EA	38" Long x 14" High x 6" Deep Electric Convectors, Floor Standing Units.....	586.35	112.80
23 82 33 00-0044	EA	50" Long x 14" High x 6" Deep Electric Convectors, Floor Standing Units.....	665.48	112.80
23 82 33 00-0045	EA	62" Long x 20" High x 6" Deep Electric Convectors, Floor Standing Units.....	734.72	112.80
23 82 33 00-0046	EA	74" Long x 20" High x 6" Deep Electric Convectors, Floor Standing Units.....	843.53	112.80
23 82 36		<b>Finned-Tube Radiation Heaters</b> <small>(23 82)</small>		
23 82 36 00-0001		<b>Electric Baseboard Heating</b> <small>(23 82 36)</small>		
		Note: Includes 24 gauge steel enclosure and heating element		
23 82 36 00-0002		<b>Electric Wall Heating 10" Enclosure</b> <small>(23 82 36 00-0001)</small>		
23 82 36 00-0003	LF	Electric Wall Heating, 10" Enclosure, Low Capacity Electric Unit, Element <250 Watts/FT.....	129.26	62.67
23 82 36 00-0004	LF	Electric Wall Heating, 10" Enclosure, Low Capacity Electric Unit, Element >= 250 Watts/FT.....	131.63	62.67
23 82 36 00-0005		<b>Electric Wall Heating 16" Enclosure</b> <small>(23 82 36 00-0001)</small>		
23 82 36 00-0006	LF	Electric Wall Heating, 16" Enclosure, Low Capacity Electric Unit, Element <350 Watts/FT.....	152.99	62.67
23 82 36 00-0007	LF	Electric Wall Heating, 16" Enclosure, Low Capacity Electric Unit, Element >= 350 Watts/FT.....	158.93	62.67
23 82 36 00-0008		<b>Finned Tube Baseboard Units</b> <small>(23 82 36)</small>		
		Note: Complete with steel enclosure. Single heating element.		
23 82 36 00-0009		<b>3/4" IPS Steel Tube With Steel Fins</b> <small>(23 82 36 00-0008)</small>		
23 82 36 00-0010	EA	4' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element .....	327.71	42.77
		<i>For 90 Degree Corner, Add</i>	51.38	
		<i>For Valve Enclosure, Add</i>	51.38	
		<i>For Filler Piece, Add</i>	44.38	
		<i>For End Cap, Add</i>	34.90	
		<i>For Copper Tube With Aluminum Fins, Add</i>	6.64	
23 82 36 00-0011	EA	6' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element .....	430.45	64.70
		<i>For 90 Degree Corner, Add</i>	59.85	
		<i>For Valve Enclosure, Add</i>	59.85	
		<i>For Filler Piece, Add</i>	52.85	
		<i>For End Cap, Add</i>	40.40	
		<i>For Copper Tube With Aluminum Fins, Add</i>	9.97	
23 82 36 00-0012	EA	8' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element .....	515.76	85.54
		<i>For 90 Degree Corner, Add</i>	64.84	
		<i>For Valve Enclosure, Add</i>	64.84	
		<i>For Filler Piece, Add</i>	57.84	
		<i>For End Cap, Add</i>	43.64	
		<i>For Copper Tube With Aluminum Fins, Add</i>	13.29	
23 82 36 00-0013	EA	10' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element .....	642.57	119.77
		<i>For 90 Degree Corner, Add</i>	78.43	
		<i>For Valve Enclosure, Add</i>	78.43	
		<i>For Filler Piece, Add</i>	71.43	
		<i>For End Cap, Add</i>	52.48	
		<i>For Copper Tube With Aluminum Fins, Add</i>	16.52	
23 82 36 00-0014	EA	12' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element .....	768.86	143.89
		<i>For 90 Degree Corner, Add</i>	92.25	
		<i>For Valve Enclosure, Add</i>	92.25	
		<i>For Filler Piece, Add</i>	85.25	
		<i>For End Cap, Add</i>	61.46	
		<i>For Copper Tube With Aluminum Fins, Add</i>	19.67	
23 82 36 00-0015	EA	14' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element .....	867.83	153.54
		<i>For 90 Degree Corner, Add</i>	97.74	
		<i>For Valve Enclosure, Add</i>	97.74	
		<i>For Filler Piece, Add</i>	90.74	
		<i>For End Cap, Add</i>	65.03	
		<i>For Copper Tube With Aluminum Fins, Add</i>	23.60	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 36 00-0016	EA		16' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element .....	956.81	169.66
			For 90 Degree Corner, Add	106.95	
			For Valve Enclosure, Add	106.95	
			For Filler Piece, Add	99.95	
			For End Cap, Add	71.02	
			For Copper Tube With Aluminum Fins, Add	25.96	
23 82 36 00-0017	EA		18' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element .....	1,091.92	191.93
			For 90 Degree Corner, Add	119.67	
			For Valve Enclosure, Add	119.67	
			For Filler Piece, Add	112.67	
			For End Cap, Add	79.29	
			For Copper Tube With Aluminum Fins, Add	29.90	
23 82 36 00-0018	EA		20' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element .....	1,204.04	211.11
			For 90 Degree Corner, Add	130.65	
			For Valve Enclosure, Add	130.65	
			For Filler Piece, Add	123.65	
			For End Cap, Add	86.42	
			For Copper Tube With Aluminum Fins, Add	33.04	
<b>23 82 36 00-0019</b>			<b>1" IPS Steel Tube With Steel Fins (23 82 36 00-0008)</b>		
23 82 36 00-0020	EA		4' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element .....	379.49	42.77
			For 90 Degree Corner, Add	51.38	
			For Valve Enclosure, Add	51.38	
			For Filler Piece, Add	44.38	
			For End Cap, Add	34.90	
			For Copper Tube With Aluminum Fins, Add	9.49	
23 82 36 00-0021	EA		6' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element .....	508.11	64.70
			For 90 Degree Corner, Add	59.85	
			For Valve Enclosure, Add	59.85	
			For Filler Piece, Add	52.85	
			For End Cap, Add	40.40	
			For Copper Tube With Aluminum Fins, Add	14.24	
23 82 36 00-0022	EA		8' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element .....	619.31	85.54
			For 90 Degree Corner, Add	64.84	
			For Valve Enclosure, Add	64.84	
			For Filler Piece, Add	57.84	
			For End Cap, Add	43.64	
			For Copper Tube With Aluminum Fins, Add	18.98	
23 82 36 00-0023	EA		10' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element .....	771.45	119.77
			For 90 Degree Corner, Add	78.46	
			For Valve Enclosure, Add	78.46	
			For Filler Piece, Add	71.46	
			For End Cap, Add	52.50	
			For Copper Tube With Aluminum Fins, Add	23.60	
23 82 36 00-0024	EA		12' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element .....	921.95	143.89
			For 90 Degree Corner, Add	92.21	
			For Valve Enclosure, Add	92.21	
			For Filler Piece, Add	85.21	
			For End Cap, Add	61.44	
			For Copper Tube With Aluminum Fins, Add	28.10	
23 82 36 00-0025	EA		14' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element .....	1,051.76	153.54
			For 90 Degree Corner, Add	97.74	
			For Valve Enclosure, Add	97.74	
			For Filler Piece, Add	90.74	
			For End Cap, Add	65.03	
			For Copper Tube With Aluminum Fins, Add	33.72	
23 82 36 00-0026	EA		16' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element .....	1,158.78	169.66
			For 90 Degree Corner, Add	106.88	
			For Valve Enclosure, Add	106.88	
			For Filler Piece, Add	99.88	
			For End Cap, Add	70.97	
			For Copper Tube With Aluminum Fins, Add	37.09	
23 82 36 00-0027	EA		18' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element .....	1,324.90	191.93
			For 90 Degree Corner, Add	119.67	
			For Valve Enclosure, Add	119.67	
			For Filler Piece, Add	112.67	
			For End Cap, Add	79.29	
			For Copper Tube With Aluminum Fins, Add	42.71	
23 82 36 00-0028	EA		20' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element .....	1,460.88	211.11
			For 90 Degree Corner, Add	130.52	
			For Valve Enclosure, Add	130.52	
			For Filler Piece, Add	123.52	
			For End Cap, Add	86.34	
			For Copper Tube With Aluminum Fins, Add	47.21	
<b>23 82 36 00-0029</b>			<b>1-1/4" IPS Steel Tube With Steel Fins (23 82 36 00-0008)</b>		
23 82 36 00-0030	EA		4' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element .....	431.26	42.77
			For 90 Degree Corner, Add	51.38	
			For Valve Enclosure, Add	51.38	
			For Filler Piece, Add	44.38	
			For End Cap, Add	34.90	
			For Copper Tube With Aluminum Fins, Add	12.34	
23 82 36 00-0031	EA		6' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element .....	585.77	64.70
			For 90 Degree Corner, Add	59.85	
			For Valve Enclosure, Add	59.85	
			For Filler Piece, Add	52.85	
			For End Cap, Add	40.40	
			For Copper Tube With Aluminum Fins, Add	18.51	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating and Cooling Units**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 82 36 00-0032	EA	8' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element.....	722.85	85.54
		<i>For 90 Degree Corner, Add</i>	64.84	
		<i>For Valve Enclosure, Add</i>	64.84	
		<i>For Filler Piece, Add</i>	57.84	
		<i>For End Cap, Add</i>	43.64	
		<i>For Copper Tube With Aluminum Fins, Add</i>	24.68	
23 82 36 00-0033	EA	10' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element.....	900.19	119.77
		<i>For 90 Degree Corner, Add</i>	78.46	
		<i>For Valve Enclosure, Add</i>	78.46	
		<i>For Filler Piece, Add</i>	71.46	
		<i>For End Cap, Add</i>	52.50	
		<i>For Copper Tube With Aluminum Fins, Add</i>	30.68	
23 82 36 00-0034	EA	12' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element.....	1,075.21	143.89
		<i>For 90 Degree Corner, Add</i>	92.21	
		<i>For Valve Enclosure, Add</i>	92.21	
		<i>For Filler Piece, Add</i>	85.21	
		<i>For End Cap, Add</i>	61.44	
		<i>For Copper Tube With Aluminum Fins, Add</i>	36.53	
23 82 36 00-0035	EA	14' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element.....	1,235.67	153.54
		<i>For 90 Degree Corner, Add</i>	97.74	
		<i>For Valve Enclosure, Add</i>	97.74	
		<i>For Filler Piece, Add</i>	90.74	
		<i>For End Cap, Add</i>	65.03	
		<i>For Copper Tube With Aluminum Fins, Add</i>	43.83	
23 82 36 00-0036	EA	16' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element.....	1,361.09	169.66
		<i>For 90 Degree Corner, Add</i>	106.88	
		<i>For Valve Enclosure, Add</i>	106.88	
		<i>For Filler Piece, Add</i>	99.88	
		<i>For End Cap, Add</i>	70.97	
		<i>For Copper Tube With Aluminum Fins, Add</i>	48.22	
23 82 36 00-0037	EA	18' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element.....	1,557.86	191.93
		<i>For 90 Degree Corner, Add</i>	119.67	
		<i>For Valve Enclosure, Add</i>	119.67	
		<i>For Filler Piece, Add</i>	112.67	
		<i>For End Cap, Add</i>	79.29	
		<i>For Copper Tube With Aluminum Fins, Add</i>	55.52	
23 82 36 00-0038	EA	20' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element.....	1,718.37	211.11
		<i>For 90 Degree Corner, Add</i>	130.52	
		<i>For Valve Enclosure, Add</i>	130.52	
		<i>For Filler Piece, Add</i>	123.52	
		<i>For End Cap, Add</i>	86.34	
		<i>For Copper Tube With Aluminum Fins, Add</i>	61.37	

**23 82 39 Unit Heaters (23 82)****23 82 39 13 Cabinet Unit Heaters (23 82 39)**

23 82 39 13-0001		<b>Electric Cabinet Unit Heaters (23 82 39 13)</b>		
		Note: Can be mounted on the ceiling, floor or wall. Includes built-in thermostat. 208, 240/208, 277, or 480 Volt.		
23 82 39 13-0002		<b>Electric Cabinet Unit Heaters, 35" Cabinet Length (23 82 39 13-0001)</b>		
23 82 39 13-0003	EA	2 KW, 250 CFM, 35" Electric Cabinet Unit Heater.....	2,447.21	142.43
		Note: Wall or floor mounted.		
23 82 39 13-0004	EA	3 KW, 250 CFM, 35" Electric Cabinet Unit Heater.....	2,466.18	142.43
		Note: Wall or floor mounted.		
23 82 39 13-0005	EA	4 KW, 250 CFM, 35" Electric Cabinet Unit Heater.....	2,485.16	142.43
		Note: Wall or floor mounted.		
23 82 39 13-0006	EA	5 KW, 250 CFM, 35" Electric Cabinet Unit Heater.....	2,504.13	142.43
		Note: Wall or floor mounted.		
23 82 39 13-0007	EA	6 KW, 250 CFM, 35" Electric Cabinet Unit Heater.....	2,523.10	142.43
		Note: Wall or floor mounted.		
23 82 39 13-0008	EA	7 KW, 250 CFM, 35" Electric Cabinet Unit Heater.....	2,542.08	142.43
		Note: Wall or floor mounted.		
23 82 39 13-0009	EA	8 KW, 250 CFM, 35" Electric Cabinet Unit Heater.....	2,561.82	142.43
23 82 39 13-0010	EA	For Ceiling Installation of 35" Cabinet Unit Heater, Add.....	190.28	94.57
23 82 39 13-0011		<b>Electric Cabinet Unit Heaters, 45" Cabinet Length (23 82 39 13-0001)</b>		
23 82 39 13-0012	EA	4 KW, 500 CFM, 45" Electric Cabinet Unit Heater.....	2,606.64	170.91
		Note: Wall or floor mounted.		
23 82 39 13-0013	EA	6 KW, 500 CFM, 45" Electric Cabinet Unit Heater.....	2,644.59	170.91
		Note: Wall or floor mounted.		
23 82 39 13-0014	EA	8 KW, 500 CFM, 45" Electric Cabinet Unit Heater.....	2,682.53	170.91
		Note: Wall or floor mounted.		
23 82 39 13-0015	EA	10 KW, 500 CFM, 45" Electric Cabinet Unit Heater.....	2,720.49	170.91
		Note: Wall or floor mounted.		
23 82 39 13-0016	EA	12 KW, 500 CFM, 45" Electric Cabinet Unit Heater.....	2,758.43	170.91
		Note: Wall or floor mounted.		
23 82 39 13-0017	EA	14 KW, 500 CFM, 45" Electric Cabinet Unit Heater.....	2,796.39	170.91
		Note: Wall or floor mounted.		
23 82 39 13-0018	EA	16 KW, 500 CFM, 45" Electric Cabinet Unit Heater.....	2,834.33	170.91
		Note: Wall or floor mounted.		
23 82 39 13-0019	EA	For Ceiling Installation of 45" Cabinet Unit Heater, Add.....	227.89	113.94
23 82 39 13-0020		<b>Electric Cabinet Unit Heaters, 58" Cabinet Length (23 82 39 13-0001)</b>		
23 82 39 13-0021	EA	6 KW, 750 CFM, 58" Electric Cabinet Unit Heater.....	3,276.92	227.89
		Note: Wall or floor mounted.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 39 13-0022	EA		8 KW, 750 CFM, 58" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	3,314.86	227.89
23 82 39 13-0023	EA		10 KW, 750 CFM, 58" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	3,352.82	227.89
23 82 39 13-0024	EA		12 KW, 750 CFM, 58" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	3,390.76	227.89
23 82 39 13-0025	EA		14 KW, 750 CFM, 58" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	3,428.71	227.89
23 82 39 13-0026	EA		16 KW, 750 CFM, 58" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	3,466.66	227.89
23 82 39 13-0027	EA		For Ceiling Installation of 58" Cabinet Unit Heater, Add .....	284.86	142.43
<b>23 82 39 13-0028</b>			<b>Electric Cabinet Unit Heaters, 68" Cabinet Length</b> (23 82 39 13-0001)		
23 82 39 13-0029	EA		6 KW, 750 CFM, 68" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	3,871.30	284.86
23 82 39 13-0030	EA		9 KW, 750 CFM, 68" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	3,928.22	284.86
23 82 39 13-0031	EA		12 KW, 750 CFM, 68" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	3,985.14	284.86
23 82 39 13-0032	EA		15 KW, 750 CFM, 68" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	4,042.06	284.86
23 82 39 13-0033	EA		18 KW, 750 CFM, 68" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	4,099.00	284.86
23 82 39 13-0034	EA		21 KW, 750 CFM, 68" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	4,155.92	284.86
23 82 39 13-0035	EA		24 KW, 750 CFM, 68" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	4,212.84	284.86
23 82 39 13-0036	EA		For Ceiling Installation of 68" Cabinet Unit Heater, Add .....	380.57	190.28
<b>23 82 39 13-0037</b>			<b>Electric Cabinet Unit Heaters, 78" Cabinet Length</b> (23 82 39 13-0001)		
23 82 39 13-0038	EA		8 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	4,541.57	341.83
23 82 39 13-0039	EA		12 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	4,617.47	341.83
23 82 39 13-0040	EA		16 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	4,693.37	341.83
23 82 39 13-0041	EA		20 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	4,769.27	341.83
23 82 39 13-0042	EA		24 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	4,845.16	341.83
23 82 39 13-0043	EA		28 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	4,921.06	341.83
23 82 39 13-0044	EA		32 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	4,996.96	341.83
23 82 39 13-0045	EA		For Ceiling Installation of 78" Cabinet Unit Heater, Add .....	455.77	227.89
<b>23 82 39 13-0046</b>			<b>Removal and Reinstallation of Cabinet Unit Heaters</b> (23 82 39 13) Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		
23 82 39 13-0047	EA		Removal And Reinstallation Of Up To 58" Cabinet Unit Heater, Floor or Wall .....	301.60	
23 82 39 13-0048	EA		Removal And Reinstallation Of >58" Cabinet Unit Heater, Floor or Wall .....	520.95	
23 82 39 13-0049	EA		Removal And Reinstallation Of Up To 58" Cabinet Unit Heater, Ceiling.....	621.84	
23 82 39 13-0050	EA		Removal And Reinstallation Of >58" Cabinet Unit Heater, Ceiling .....	841.18	
<b>23 82 39 16</b>			<b>Propeller Unit Heaters</b> (23 82 39)		
<b>23 82 39 16-0001</b>			<b>Hydronic Unit Heaters Using Steam Or Hot Water</b> (23 82 39 16) Note: For use with either steam or heating hot water. Heating output capacities for both are listed.		
<b>23 82 39 16-0002</b>			<b>Horizontal Hydronic Unit Heaters, Fan Propelled, 115 Volt</b> (23 82 39 16-0001)		
23 82 39 16-0003	EA		18 MBH Steam, 13 MBH Hot Water, 395 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	824.17	109.67
23 82 39 16-0004	EA		24 MBH Steam, 17.4 MBH Hot Water, 450 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	825.82	109.67
23 82 39 16-0005	EA		36 MBH Steam, 26.1 MBH Hot Water, 550 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	920.65	109.67
23 82 39 16-0006	EA		48 MBH Steam, 34.8 MBH Hot Water, 750 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	1,129.02	164.51
23 82 39 16-0007	EA		60 MBH Steam, 43.6 MBH Hot Water, 900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	1,177.53	164.51
23 82 39 16-0008	EA		72 MBH Steam, 52.3 MBH Hot Water, 1,100 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	1,249.78	164.51
23 82 39 16-0009	EA		84 MBH Steam, 61 MBH Hot Water, 2,400 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	1,501.67	219.35
23 82 39 16-0010	EA		96 MBH Steam, 69.7 MBH Hot Water, 2,400 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	1,647.23	219.35
23 82 39 16-0011	EA		108 MBH Steam, 78.4 MBH Hot Water, 2,800 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	1,739.85	219.35
23 82 39 16-0012	EA		120 MBH Steam, 87.1 MBH Hot Water, 2,900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	1,814.83	219.35
23 82 39 16-0013	EA		132 MBH Steam, 95.8 MBH Hot Water, 2,000 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	2,050.20	274.18
23 82 39 16-0014	EA		144 MBH Steam, 104 MBH Hot Water, 2,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	2,075.57	274.18
23 82 39 16-0015	EA		156 MBH Steam, 113 MBH Hot Water, 2,600 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	2,099.83	274.18
23 82 39 16-0016	EA		180 MBH Steam, 118 MBH Hot Water, 2,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	2,239.21	329.02
23 82 39 16-0017	EA		204 MBH Steam, 148 MBH Hot Water, 2,900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	2,428.87	329.02
23 82 39 16-0018	EA		240 MBH Steam, 174 MBH Hot Water, 3,500 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	2,771.37	383.85
23 82 39 16-0019	EA		280 MBH Steam, 209.1 MBH Hot Water, 4,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	3,458.32	383.85
23 82 39 16-0020	EA		300 MBH Steam, 230 MBH Hot Water, 5,000 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	3,680.38	438.69
23 82 39 16-0021	EA		360 MBH Steam, 261.3 MBH Hot Water, 5,500 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	4,386.09	438.69
23 82 39 16-0022	EA		Fan Guard For Fan Propelled Steam Unit Heater, Horizontal..... Note: Required only for unit heaters located within 7' of a working surface.	222.98	27.42

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**  
**23 80 Decentralized Unitary HVAC Equipment**  
**23 82 Convection Heating and Cooling Units**



MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

**23 82 39 16-0023 Vertical Hydronic Unit Heaters, Fan Propelled, 115 Volt** (23 82 39 16-0001)

23 82 39 16-0024	EA	41.3 MBH Steam, 22.7 MBH Hot Water, 595 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,194.09	109.67
23 82 39 16-0025	EA	65.5 MBH Steam, 39.6 MBH Hot Water, 989 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,246.46	164.51
23 82 39 16-0026	EA	80.6 MBH Steam, 48.4 MBH Hot Water, 1,200 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,341.85	164.51
23 82 39 16-0027	EA	101.8 MBH Steam, 68.3 MBH Hot Water, 1,490 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,650.54	219.35
23 82 39 16-0028	EA	124.4 MBH Steam, 83.7 MBH Hot Water, 1,790 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,744.26	219.35
23 82 39 16-0029	EA	152 MBH Steam, 105.2 MBH Hot Water, 2,220 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,069.40	329.02
23 82 39 16-0030	EA	173 MBH Steam, 118.6 MBH Hot Water, 2,620 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,212.75	329.02
23 82 39 16-0031	EA	210.2 MBH Steam, 139.7 MBH Hot Water, 3,200 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,332.95	329.02
23 82 39 16-0032	EA	249.8 MBH Steam, 180.1 MBH Hot Water, 4,180 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,607.06	383.85
23 82 39 16-0033	EA	283.8 MBH Steam, 205.4 MBH Hot Water, 4,430 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,749.31	383.85
23 82 39 16-0034	EA	333.4 MBH Steam, 242.9 MBH Hot Water, 5,210 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	3,037.10	383.85
23 82 39 16-0035	EA	386 MBH Steam, 280.8 MBH Hot Water, 6,140 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	3,518.79	493.52
23 82 39 16-0036	EA	496 MBH Steam, 368.1 MBH Hot Water, 8,020 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	4,475.91	493.52
23 82 39 16-0037	EA	585 MBH Steam, 431.1 MBH Hot Water, 9,450 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	4,769.23	493.52
23 82 39 16-0038	EA	705 MBH Steam, 519.4 MBH Hot Water, 11,000 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	5,428.04	548.35
23 82 39 16-0039	EA	Fan Guard For Fan Propelled Steam Unit Heater, Vertical.....	304.58	27.42

Note: Required only for unit heaters located within 7' of a working surface.

**23 82 39 16-0040 Removal and Reinstallation of Propeller Unit Heaters** (23 82 39 16)

Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.

23 82 39 16-0041	EA	Removal And Reinstallation Of Up To 120 MBH Steam, 87.1 MBH Hot Water Hydronic Unit Heater, Horizontal or Vertical.....	658.03	
23 82 39 16-0042	EA	Removal And Reinstallation Of >120 MBH Steam, 87.1 MBH Hot Water Hydronic Unit Heater, Horizontal or Vertical.....	877.37	

**23 82 39 19 Wall and Ceiling Unit Heaters** (23 82 39)

**23 82 39 19-0001 Electric Unit Heaters** (23 82 39 19)

Note: May be mounted both vertically and horizontally.

23 82 39 19-0002	EA	3 KW, 350 CFM Electric Unit Heater, 208, 240/208, or 277 Volt .....	734.41	113.94
23 82 39 19-0003	EA	5 KW, 350 CFM Electric Unit Heater, 208, 240/208, or 277 Volt .....	734.41	113.94
23 82 39 19-0004	EA	7.5 KW, 650 CFM Electric Unit Heater, 208, 240/208, or 277 Volt .....	982.06	142.43
23 82 39 19-0005	EA	10 KW, 650 CFM Electric Unit Heater, 208, 240/208, or 277 Volt .....	1,128.58	170.91
23 82 39 19-0006	EA	15 KW, 910 CFM Electric Unit Heater, 208, 240/208, or 277 Volt .....	1,640.48	227.89
23 82 39 19-0007	EA	20 KW, 1,320 CFM Electric Unit Heater, 208, 240/208, 277, or 480 Volt.....	2,375.86	284.86
23 82 39 19-0008	EA	30 KW, 2,100 CFM Electric Unit Heater, Two speed; 208, 240/208, 277, or 480 Volt .....	3,264.31	341.83
23 82 39 19-0009	EA	50 KW, 3,000 CFM Electric Unit Heater, Two speed; 208, 240/208, 277, or 480 Volt.....	4,742.13	398.80
23 82 39 19-0010	EA	3 KW, 350 CFM Electric Unit Heater - 480 Volt .....	899.07	113.94
23 82 39 19-0011	EA	5 KW, 350 CFM Electric Unit Heater - 480 Volt .....	866.93	113.94
23 82 39 19-0012	EA	7.5 KW, 650 CFM Electric Unit Heater - 480 Volt .....	1,029.13	142.43
23 82 39 19-0013	EA	10 KW, 650 CFM Electric Unit Heater - 480 Volt .....	1,189.80	170.91
23 82 39 19-0014	EA	15 KW, 910 CFM Electric Unit Heater - 480 Volt .....	1,762.93	227.89

**23 82 39 19-0015 Electric Ceiling and Wall Heaters** (23 82 39 19)

Note: The "/" between wattages indicates two or three speed operation. 120, 240/208 or 277 Volt.

23 82 39 19-0016	EA	1,000, 1,500 Or 2,000 Watt Recessed Electric Wall Heater .....	369.81	71.22
23 82 39 19-0017	EA	1,500/750 Or 2,000/1,000 Watt Recessed Electric Wall Heater .....	432.47	79.76
23 82 39 19-0018	EA	3,000, 3,600, 4,000 Or 4,800 Watt Recessed Electric Wall Heater.....	673.62	79.76
23 82 39 19-0019	EA	1,000, 1,500 Or 2,000 Watt Surface Mounted Electric Wall Heater .....	419.34	71.22
23 82 39 19-0020	EA	1,500/750 Or 2,000/1,000 Watt Surface Mounted Electric Wall Heater .....	510.63	79.76
23 82 39 19-0021	EA	3,000, 3,600, 4,000 Or 4,800 Watt Surface Mounted Electric Wall Heater .....	765.44	79.76
23 82 39 19-0022	EA	1,000, 1,500 Or 2,000/1,500 Watt Recessed Electric Ceiling Heater.....	551.52	94.00
23 82 39 19-0023	EA	3,000, 4,000 Or 4,000/3,000 Watt Recessed Electric Ceiling Heater.....	1,023.45	99.69
23 82 39 19-0024	EA	4,800/3,600 Watt Recessed Electric Ceiling Heater .....	1,150.90	99.69
23 82 39 19-0025	EA	4,000/3,000/2,000 Watt Recessed Or Surface Mounted Electric Ceiling Heater .....	1,335.31	105.40
23 82 39 19-0026	EA	5,000/3,800/2,500 Watt Recessed Or Surface Mounted Electric Ceiling Heater .....	1,447.21	105.40
23 82 39 19-0027	EA	1,000, 1,500 Or 2,000/1,500 Watt Surface Mounted Electric Ceiling Heater .....	617.72	94.00
23 82 39 19-0028	EA	3,000, 4,000 Or 4,000/3,000 Watt Surface Mounted Electric Ceiling Heater .....	1,127.73	99.69
23 82 39 19-0029	EA	4,800/3,600 Watt Surface Mounted Electric Ceiling Heater .....	1,255.17	99.69
23 82 39 19-0030	EA	Selectable Wattage (500 Or 750 Or 1000 Or 1,250 Or 1,500 Or 1,750 Or 2,250 Watt), 240 Volt, Surface Mounted, Electric Wall Heater (Markel Series 305 - Model H30522TDWB).....	550.26	71.22

**23 82 39 19-0031 Removal And Reinstallation Of Electric Unit Heaters** (23 82 39 19)

Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.

23 82 39 19-0032	EA	Removal And Reinstallation Of Up To 15kW Electric Unit Heater.....	394.84	
23 82 39 19-0033	EA	Removal And Reinstallation Of >15 KW Electric Unit Heater.....	811.66	

**23 83 Radiant Heating Units** (23 80)

**23 83 13 Radiant-Heating Electric Cables** (23 83)

**23 83 13 13 Radiant-Heating Electric Cables** (23 83 13)

**23 83 13 13-0001 Self Regulating Heating Cable** (23 83 13 13)

23 83 13 13-0002	LF	3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable..... Note: Tinned copper braid, at 50 Degrees F.	8.37	0.76
23 83 13 13-0003	LF	5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable..... Note: Tinned copper braid, at 50 degrees F.	8.94	0.76

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 83 13 13-0004	LF		8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable ..... Note: Tinned copper braid, at 50 degrees F.	9.34	0.76
23 83 13 13-0005	LF		3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable ..... Note: Tinned copper braid, at 50 degrees F.	8.37	0.76
23 83 13 13-0006	LF		5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable ..... Note: Tinned copper braid, at 50 degrees F.	9.90	0.76
23 83 13 13-0007	LF		8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable ..... Note: Tinned copper braid, at 50 degrees F.	10.47	0.76
23 83 13 13-0008	LF		3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions ..... Note: Tinned copper braid, at 50 Degrees F.	10.46	0.76
23 83 13 13-0009	LF		5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions ..... Note: Tinned copper braid, at 50 degrees F.	10.72	0.76
23 83 13 13-0010	LF		8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions ..... Note: Tinned copper braid, at 50 degrees F.	10.99	0.76
23 83 13 13-0011	LF		3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions ..... Note: Tinned copper braid, at 50 degrees F.	10.46	0.76
23 83 13 13-0012	LF		5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions ..... Note: Tinned copper braid, at 50 degrees F.	10.72	0.76
23 83 13 13-0013	LF		8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions ..... Note: Tinned copper braid, at 50 degrees F.	10.99	0.76
23 83 13 13-0014	LF		3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments..... Note: Tinned copper braid, at 50 Degrees F.	13.09	0.76
23 83 13 13-0015	LF		5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments..... Note: Tinned copper braid, at 50 degrees F.	13.61	0.76
23 83 13 13-0016	LF		8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments..... Note: Tinned copper braid, at 50 degrees F.	13.87	0.76
23 83 13 13-0017	LF		3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments..... Note: Tinned copper braid, at 50 degrees F.	13.09	0.76
23 83 13 13-0018	LF		5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments..... Note: Tinned copper braid, at 50 degrees F.	13.61	0.76
23 83 13 13-0019	LF		8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments..... Note: Tinned copper braid, at 50 degrees F.	13.87	0.76
23 83 13 13-0020	EA		Power Connection Kit With Pre-set Thermostat For Self Regulating Low Temperature Heating Cable .....	273.56	59.72
23 83 13 13-0021	EA		Splice And Tee Kit For Self Regulating Low Temperature Heating Cable .....	273.56	59.72
23 83 13 13-0022	EA		End Seal Kit For Self Regulating Low Temperature Heating Cable.....	175.84	10.86
23 83 13 13-0023	EA		Ambient Air Sensing Thermostat For Self Regulating Low Temperature Heating Cable .....	476.46	27.15
23 83 13 13-0024	EA		Mechanical Or Electrical Line Sensing Thermostat For Self Regulating Low Temperature Heating Cable .....	524.42	27.15

## 23 84 Humidity Control Equipment (23 80)

### 23 84 13 Humidifiers (23 84)

#### 23 84 13 16 Wetted-Element Humidifiers (23 84 13)

##### 23 84 13 16-0001 Electric Steam Humidifiers, Self-Steam Producing (23 84 13 16)

Note: Electronic modulating duct or air handling unit installation 208V-108V with 12"-72" manifolds included.

23 84 13 16-0002	EA		1-96 LB/Hour Electric Steam Humidifier, Self-Steam Producing With 12-72" Manifold.....	10,596.57	451.85
23 84 13 16-0003	EA		20-168 LB/Hour Electric Steam Humidifier, Self-Steam Producing With 12-72" Manifold.....	13,417.59	452.94

#### 23 84 13 23 Direct-Steam-Injection Humidifiers (23 84 13)

##### 23 84 13 23-0001 Steam Type Pneumatically Controlled (23 84 13 23)

Note: For duct or air handling installation standard unit with integral operator distribution manifold strainer trap and pneumatic modulating valve. Excludes humidistat and piping.

23 84 13 23-0002	EA		3-191 LB/Hour Steam Humidifier, 24" Manifold, Pneumatic Controls .....	1,744.18	289.53
			<i>For Electrically Controlled Unit, Add</i>	700.00	
			<i>For Each Additional Manifold, Add</i>	537.88	
23 84 13 23-0003	EA		3-191 LB/Hour Steam Humidifier, 48" Manifold, Pneumatic Controls .....	1,744.18	289.53
			<i>For Electrically Controlled Unit, Add</i>	700.00	
			<i>For Each Additional Manifold, Add</i>	537.88	
23 84 13 23-0004	EA		65-334 LB/Hour Steam Humidifier, 36" Manifold, Pneumatic Controls .....	2,486.39	289.53
			<i>For Electrically Controlled Unit, Add</i>	700.00	
			<i>For Each Additional Manifold, Add</i>	760.54	
23 84 13 23-0005	EA		65-334 LB/Hour Steam Humidifier, 72" Manifold, Pneumatic Controls .....	2,596.05	361.92
			<i>For Electrically Controlled Unit, Add</i>	700.00	
			<i>For Each Additional Manifold, Add</i>	797.09	
23 84 13 23-0006	EA		100-690 LB/Hour Steam Humidifier, 48" Manifold, Pneumatic Controls .....	3,706.80	289.53
			<i>For Electrically Controlled Unit, Add</i>	700.00	
			<i>For Each Additional Manifold, Add</i>	1,126.66	
23 84 13 23-0007	EA		100-690 LB/Hour Steam Humidifier, 84" Manifold, Pneumatic Controls .....	3,816.46	361.92
			<i>For Electrically Controlled Unit, Add</i>	700.00	
			<i>For Each Additional Manifold, Add</i>	1,163.22	
23 84 13 23-0008	EA		220-2,000 LB/Hour Steam Humidifier, 72" Manifold, Pneumatic Controls .....	5,723.35	361.92
			<i>For Electrically Controlled Unit, Add</i>	700.00	
			<i>For Each Additional Manifold, Add</i>	1,735.28	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 80 Decentralized Unitary HVAC Equipment****23 84 Humidity Control Equipment**
 MINOR  
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 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 84 13 23-0009	EA	220-2,000 LB/Hour Steam Humidifier, 144" Manifold, Pneumatic Controls .....	5,860.44	452.94
		<i>For Electrically Controlled Unit, Add</i>	<i>700.00</i>	
		<i>For Each Additional Manifold, Add</i>	<i>1,780.98</i>	

**23 84 13 29 Self-Contained Steam Humidifiers (23 84 13)****23 84 13 29-0001 Residential Humidifiers (23 84 13 29)**

Note: Includes solenoid valve and flow through water supply.

23 84 13 29-0002	EA	Duct Or Furnace Mounted Humidifier, Residential Type.....	512.72	54.84
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**23 84 16 Mechanical Dehumidification Units (23 84)****23 84 16 16 Indoor, Mechanical Dehumidification Units (23 84 16)****23 84 16 16-0001 Mechanical Dehumidification Units (23 84 16 16)**

Note: Sized by moisture removal per 24 hours.

23 84 16 16-0002	EA	65 Pint Per Day, 160 CFM, 8" Duct Connection, Refrigerant Dehumidifier.....	1,891.25	56.97
23 84 16 16-0003	EA	90 Pint Per Day, 235 CFM, 10" 6" Duct Connection, Refrigerant Dehumidifier.....	2,378.28	66.46
23 84 16 16-0004	EA	120 Pint Per Day, 350 CFM, 10" 6" Duct Connection, Refrigerant Dehumidifier.....	3,184.95	75.96

**23 84 16 33 Portable Dehumidifiers (23 84 16)****23 84 16 33-0001 Self Contained Free Standing Unit (23 84 16 33)**

Note: Sized by moisture removal per 24 hours.

23 84 16 33-0002	EA	30 Pint/24 Hour Dehumidifier.....	445.53	123.31
23 84 16 33-0003	EA	50 Pint/24 Hour Dehumidifier.....	532.22	123.31
23 84 16 33-0004	EA	70 Pint/24 Hour Dehumidifier.....	584.24	123.31

**END OF SECTION 23**

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 26 Electrical

Note: Termination costs are included with all electrical equipment, panel boards, fixtures and devices. Terminations are not included with patch panels. Electrical equipment and lighting shall conform to California Title 24.

### 26 01 Operation and Maintenance of Electrical Systems <sup>(26)</sup>

#### 26 01 10 Operation and Maintenance of Medium-Voltage Electrical Distribution <sup>(26 01)</sup>

##### 26 01 10 91 Medium-Voltage Electrical Distribution Restoration <sup>(26 01 10)</sup>

26 01 10 91-0001	<b>Retrofit Distribution Enclosures <sup>(26 01 10 91)</sup></b> Note: Includes removal of equipment housing, punch or drill hole for window, touch-up area, and reinstallation of equipment housing.		
26 01 10 91-0002	EA 2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-2C) .....	447.28	
	Note: 2mm thick, aluminum frame, hinged cover. <i>For Up To 20, Add</i> <i>For &gt;20 To 50, Add</i> <i>For &gt;50 To 100, Add</i>	 95.09 76.07 38.04	
26 01 10 91-0003	EA 3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-3C) .....	583.60	
	Note: 2mm thick, aluminum frame, hinged cover. <i>For Up To 20, Add</i> <i>For &gt;20 To 50, Add</i> <i>For &gt;50 To 100, Add</i>	 129.17 103.34 51.67	
26 01 10 91-0004	EA 4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-4C) .....	883.52	
	Note: 4mm thick, aluminum frame, hinged cover. <i>For Up To 20, Add</i> <i>For &gt;20 To 50, Add</i> <i>For &gt;50 To 100, Add</i>	 204.15 163.32 81.66	
26 01 10 91-0005	EA 3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 1 Rated (Fluke CLKTO) .....	443.39	
	Note: 2mm thick, aluminum frame, twist cover. <i>For Up To 20, Add</i> <i>For &gt;20 To 50, Add</i> <i>For &gt;50 To 100, Add</i>	 94.12 75.29 37.65	
26 01 10 91-0006	EA 2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-2) .....	445.79	
	Note: 2mm thick, aluminum frame, twist cover. <i>For Up To 20, Add</i> <i>For &gt;20 To 50, Add</i> <i>For &gt;50 To 100, Add</i>	 94.72 75.77 37.89	
26 01 10 91-0007	EA 3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-3) .....	572.50	
	Note: 2mm thick, aluminum frame, twist cover. <i>For Up To 20, Add</i> <i>For &gt;20 To 50, Add</i> <i>For &gt;50 To 100, Add</i>	 126.40 101.12 50.56	
26 01 10 91-0008	EA 4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-4) .....	858.87	
	Note: 4mm thick, aluminum frame, twist cover. <i>For Up To 20, Add</i> <i>For &gt;20 To 50, Add</i> <i>For &gt;50 To 100, Add</i>	 197.99 158.39 79.20	
26 01 10 91-0009	EA 2" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VEFR) .....	349.12	
	Note: 0.25mm thick, composite frame, metal grille reinforced polymer. <i>For Up To 20, Add</i> <i>For &gt;20 To 50, Add</i> <i>For &gt;50 To 100, Add</i>	 70.55 56.44 28.22	
26 01 10 91-0010	EA 3" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VEFR) .....	496.35	
	Note: 0.25mm thick, composite frame, metal grille reinforced polymer. <i>For Up To 20, Add</i> <i>For &gt;20 To 50, Add</i> <i>For &gt;50 To 100, Add</i>	 107.36 85.89 42.94	
26 01 10 91-0011	EA 4" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VEFR) .....	711.07	
	Note: 0.25mm thick, composite frame, metal grille reinforced polymer. <i>For Up To 20, Add</i> <i>For &gt;20 To 50, Add</i> <i>For &gt;50 To 100, Add</i>	 161.04 128.83 64.42	
26 01 10 91-0012	EA 2" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) .....	647.36	
	Note: 4mm thick, aluminum frame, magnetic cover. <i>For Up To 20, Add</i> <i>For &gt;20 To 50, Add</i> <i>For &gt;50 To 100, Add</i>	 145.11 116.09 58.04	
26 01 10 91-0013	EA 3" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) .....	893.69	
	Note: 4mm thick, aluminum frame, magnetic cover. <i>For Up To 20, Add</i> <i>For &gt;20 To 50, Add</i> <i>For &gt;50 To 100, Add</i>	 206.69 165.35 82.68	
26 01 10 91-0014	EA 4" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) .....	1,646.07	
	Note: 4mm thick, aluminum frame, magnetic cover. <i>For Up To 20, Add</i> <i>For &gt;20 To 50, Add</i> <i>For &gt;50 To 100, Add</i>	 394.79 315.83 157.92	

**26 Electrical****26 01 Operation and Maintenance of Electrical Systems****26 01 10 Operation and Maintenance of Medium-Voltage Electrical Distribution**
 MINOR  
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26 01 10 91-0015	EA	3" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVR) .....	745.27
		Note: 4mm thick, aluminum frame, magnetic cover.	
		For Up To 20, Add	169.59
		For >20 To 50, Add	135.67
		For >50 To 100, Add	67.84
26 01 10 91-0016	EA	4" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVR) .....	1,101.95
		Note: 4mm thick, aluminum frame, magnetic cover.	
		For Up To 20, Add	258.76
		For >20 To 50, Add	207.01
		For >50 To 100, Add	103.50

**26 01 20 Operation and Maintenance of Low-Voltage Electrical Distribution** (26 01)
**26 01 20 91 Low-Voltage Electrical Distribution Restoration** (26 01 20)

26 01 20 91-0001		<b>Lock Out/Tag Out Devices</b> <small>(26 01 20 91)</small> Note: Includes the installation and removal of device lock, pad lock and identifying markers. Includes following OSHA procedures and completing Owner's paperwork. Excludes circuit tracing.	
26 01 20 91-0002	EA	Lock Out/Tag Out Local Disconnect .....	39.09
		Note: Excludes tag or padlock See CSI section 26 01 20 91-0004 for padlock, 26 01 20 91-0005 for tag(s).	
26 01 20 91-0003	EA	Lock Out/Tag Out Breaker Or Motor Starter .....	39.09
		Note: Excludes tag or padlock See CSI section 26 01 20 91-0004 for padlock, 26 01 20 91-0005 for tag(s).	
26 01 20 91-0004	EA	Lock Out/Tag Out Padlock Device .....	10.86
26 01 20 91-0005	EA	Lock Out/Tag Out Tags.....	3.45
26 01 20 91-0006		<b>Existing Circuit Tracing</b> <small>(26 01 20 91)</small>	
26 01 20 91-0007	EA	Motors, Disconnects And Other Single Source Devices, Existing Circuit Tracing Per Device .....	22.58
26 01 20 91-0008	EA	Lighting, Existing Circuit Tracing Per Circuit .....	22.58

**26 01 30 Operation and Maintenance of Facility Electrical Power Generating and Storing Equipment** (26 01)
**26 01 30 91 Facility Electrical Power Generating and Storing Equipment Restoration** (26 01 30)

26 01 30 91-0001		<b>Emergency Generator Permits</b> <small>(26 01 30 91)</small>	
26 01 30 91-0002		<b>Air Pollution Control Board</b> <small>(26 01 30 91-0001)</small>	
26 01 30 91-0003	EA	APCD Permit To Construct And Operate Emergency Generator.....	3,959.60

**26 01 50 Operation and Maintenance of Lighting** (26 01)
**26 01 50 51 Luminaire Relamping** (26 01 50)

26 01 50 51-0001		<b>Replace Lamps In Existing Fixtures</b> <small>(26 01 50 51)</small> Note: Includes removal of existing lamp from fixture and installation of new lamp. Excludes disposal of hazardous lamps. See CSI section 26 01 50 51-0376 for disposal of hazardous lamps.	
26 01 50 51-0002		<b>Halogen Lamps</b> <small>(26 01 50 51-0001)</small>	
26 01 50 51-0003	EA	300 Watt, T3, Tungsten Halogen Lamp .....	41.99
26 01 50 51-0004	EA	500 Watt, T3, Tungsten Halogen Lamp .....	53.59
26 01 50 51-0005	EA	1,000 Watt, T3, Tungsten Halogen Lamp .....	79.22
26 01 50 51-0006	EA	90 Watt, PAR38, Halogen Lamp .....	20.81
26 01 50 51-0007	EA	100 Watt, PAR38, Halogen Lamp .....	20.81
26 01 50 51-0008	EA	60 Watt, PAR38, Halogen IR Reflective Lamp .....	45.09
26 01 50 51-0009	EA	67 Watt, PAR38, Halogen IR Reflective Lamp .....	50.36
26 01 50 51-0010	EA	70 Watt, PAR38, Halogen IR Reflective Lamp .....	49.00
26 01 50 51-0011	EA	90 Watt, PAR38, Halogen IR Reflective Lamp .....	53.03
26 01 50 51-0012	EA	100 Watt, PAR38, Halogen IR Reflective Lamp .....	53.89
26 01 50 51-0013	EA	12 Watt, 10 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-65-B01-12-830-10) .....	25.66
26 01 50 51-0014	EA	12 Watt, 20 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-75-B01-12-830-20) .....	25.66
26 01 50 51-0015	EA	12 Watt, 25 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-75-B01-12-830-25) .....	28.56
26 01 50 51-0016	EA	12 Watt, 36 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-75-B01-12-830-36) .....	28.56
26 01 50 51-0017		<b>Incandescent Lamps</b> <small>(26 01 50 51-0001)</small>	
26 01 50 51-0018	EA	100 Watt, Frosted, Interior Incandescent Lamp .....	6.08
		For Multiple Lamps In Fixture, Deduct	-1.80
26 01 50 51-0019	EA	150 Watt, Frosted, Interior Incandescent Lamp .....	7.39
		For Multiple Lamps In Fixture, Deduct	-1.80
26 01 50 51-0020	EA	200 Watt, Frosted, Interior Incandescent Lamp .....	8.86
		For Multiple Lamps In Fixture, Deduct	-1.80
26 01 50 51-0021	EA	300 Watt, PS25, Interior Incandescent Lamp .....	10.71
		For Multiple Lamps In Fixture, Deduct	-1.80
26 01 50 51-0022	EA	60 Watt, G25, Clear, Interior Incandescent Lamp .....	8.22
		For Multiple Lamps In Fixture, Deduct	-1.80
26 01 50 51-0023	EA	75 Watt, R20, Interior Incandescent Lamp .....	12.73
		For Multiple Lamps In Fixture, Deduct	-2.16
26 01 50 51-0024	EA	75 Watt, PAR38, Exterior Incandescent Lamp .....	15.32
		For Multiple Lamps In Fixture, Deduct	-2.16

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0025 EA 100 Watt, PAR38, Exterior Incandescent Lamp.....	14.29	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.16	
26 01 50 51-0026 EA 150 Watt, PAR38, Exterior Incandescent Lamp.....	24.11	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.16	
26 01 50 51-0027 EA 250 Watt, PAR38, Exterior Incandescent Lamp.....	48.98	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.51	
26 01 50 51-0028 EA 300 Watt, PAR56, Exterior Incandescent Lamp.....	56.19	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.51	
<b>26 01 50 51-0029 Exit Light Lamps</b> <small>(26 01 50 51-0001)</small>		
26 01 50 51-0030 EA Convert Exit Light Lamps To Red LED Lamps .....	100.22	
<i>For Green LED Lamps, Add</i>	25.00	
26 01 50 51-0031 EA Fluorescent Lamp For Exit Light .....	28.28	
<i>For Multiple Lamps In Fixture, Deduct</i>	-7.19	
26 01 50 51-0032 EA Lamp Replacement For Emergency Lights On Exit Sign.....	34.40	
<i>For Multiple Lamps In Fixture, Deduct</i>	-3.59	
<b>26 01 50 51-0033 Fluorescent Lamps</b> <small>(26 01 50 51-0001)</small>		
26 01 50 51-0034 EA 18", 15 Watt, T8 Fluorescent Lamp .....	11.19	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.87	
26 01 50 51-0035 EA 2", 17 Watt, T8 Fluorescent Lamp .....	13.33	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.87	
26 01 50 51-0036 EA 3", 25 Watt, T8 Fluorescent Lamp .....	15.30	
<i>For Multiple Lamps In Fixture, Deduct</i>	-3.23	
26 01 50 51-0037 EA 4", 32 Watt, T8 Fluorescent Lamp .....	15.26	
<i>For Multiple Lamps In Fixture, Deduct</i>	-3.23	
26 01 50 51-0038 EA 4", 30 Watt, T8 Fluorescent Lamp .....	18.99	
<i>For Multiple Lamps In Fixture, Deduct</i>	-3.23	
26 01 50 51-0039 EA 4", 28 Watt, T8 Fluorescent Lamp .....	16.74	
<i>For Multiple Lamps In Fixture, Deduct</i>	-3.23	
26 01 50 51-0040 EA 4", 25 Watt, T8 Fluorescent Lamp .....	16.65	
<i>For Multiple Lamps In Fixture, Deduct</i>	-3.23	
26 01 50 51-0041 EA 4", 44 Watt, T8HO Fluorescent Lamp.....	26.34	
<i>For Multiple Lamps In Fixture, Deduct</i>	-3.23	
26 01 50 51-0042 EA 8", 59 Watt, T8 Fluorescent Lamp .....	20.26	
<i>For Multiple Lamps In Fixture, Deduct</i>	-3.23	
26 01 50 51-0043 EA 18", 15 Watt, T12 Fluorescent Lamp .....	16.58	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.87	
26 01 50 51-0044 EA 2", 20 Watt, T12 Fluorescent Lamp .....	12.72	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.87	
26 01 50 51-0045 EA 3", 30 Watt, T12 Fluorescent Lamp .....	14.28	
<i>For Multiple Lamps In Fixture, Deduct</i>	-3.23	
26 01 50 51-0046 EA 4", 34 Watt, T12 Fluorescent Lamp .....	14.35	
<i>For Multiple Lamps In Fixture, Deduct</i>	-3.23	
26 01 50 51-0047 EA 4", 40 Watt, T12 Fluorescent Lamp .....	14.07	
<i>For Multiple Lamps In Fixture, Deduct</i>	-3.23	
26 01 50 51-0048 EA 8", 60 Watt, T12 Fluorescent Lamp .....	20.75	
<i>For Multiple Lamps In Fixture, Deduct</i>	-3.23	
26 01 50 51-0049 EA 8", 75 Watt, T12 Fluorescent Lamp .....	17.64	
<i>For Multiple Lamps In Fixture, Deduct</i>	-3.23	
26 01 50 51-0050 EA 8", 95 Watt, Instant Start T12 Fluorescent Lamp.....	29.74	
26 01 50 51-0051 EA 6" Diameter, 20 Watt, Circular T9 Fluorescent Lamp.....	16.78	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.87	
26 01 50 51-0052 EA 8" Diameter, 22 Watt, Circular T9 Fluorescent Lamp.....	13.91	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.87	
26 01 50 51-0053 EA 12" Diameter, 32 Watt, Circular T9 Fluorescent Lamp.....	13.47	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.87	
26 01 50 51-0054 EA 16" Diameter, 40 Watt, Circular T9 Fluorescent Lamp.....	14.84	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.87	
26 01 50 51-0055 EA 6", 4 Watt, T5 Fluorescent Lamp .....	12.35	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.87	
26 01 50 51-0056 EA 9", 6 Watt, T5 Fluorescent Lamp .....	12.15	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.87	
26 01 50 51-0057 EA 12", 8 Watt, T5 Fluorescent Lamp .....	12.52	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.87	
26 01 50 51-0058 EA 21", 13 Watt, T5 Fluorescent Lamp .....	13.07	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.87	
26 01 50 51-0059 EA 24", 14 Watt, T5 Fluorescent Lamp .....	14.97	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.87	
26 01 50 51-0060 EA 34", 21 Watt, T5 Fluorescent Lamp .....	16.30	
<i>For Multiple Lamps In Fixture, Deduct</i>	-3.23	
26 01 50 51-0061 EA 46", 28 Watt, T5 Fluorescent Lamp .....	15.81	
<i>For Multiple Lamps In Fixture, Deduct</i>	-3.23	
26 01 50 51-0062 EA 46", 54 Watt, T5HO Fluorescent Lamp.....	17.23	
<i>For Multiple Lamps In Fixture, Deduct</i>	-3.23	
26 01 50 51-0063 EA 46", 54 Watt T5 Fluorescent Lamp .....	14.94	
26 01 50 51-0064 EA 32 Watt, Rapid Start, U-Shaped T8 Fluorescent Lamp.....	24.28	
<i>For Multiple Lamps In Fixture, Deduct</i>	-3.59	
26 01 50 51-0065 EA 40 Watt, Rapid Start, U-Shaped T12 Fluorescent Lamp.....	23.44	
<i>For Multiple Lamps In Fixture, Deduct</i>	-3.59	
26 01 50 51-0066 EA 27-55 Watt, 4-Pin Compact Fluorescent Lamp.....	21.49	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.80	
26 01 50 51-0067 EA 5-13 Watt, 2-Pin Compact Fluorescent Lamp.....	9.67	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.80	
26 01 50 51-0068 EA 9-26 Watt, 4-Pin Compact Fluorescent Lamp.....	10.65	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.80	

**26 Electrical****26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 01 50 51-0069	EA	Compact Fluorescent 13 Watt, 4-Pin Lamps CF13DD/E/827, Dulux .....	28.12
26 01 50 51-0070	EA	Compact Fluorescent 18 Watt, 4-Pin Lamps CF18DD/E/827, Dulux .....	28.12
26 01 50 51-0071	EA	32 Watt 2D (DoubleD) Fluorescent Lamp .....	52.25
26 01 50 51-0072	EA	26 Watt (1,600 Lumens) 4-pin Quad Tube PL Lamp .....	19.19
26 01 50 51-0073	EA	<9 Watt, Screw-In, Spiral Compact Fluorescent Lamps .....	10.06
26 01 50 51-0074	EA	9 To 27 Watt, Screw-In, Spiral Compact Fluorescent Lamps .....	8.73
26 01 50 51-0075	EA	29 To 32 Watt, Screw-In, Spiral Compact Fluorescent Lamps .....	8.73
26 01 50 51-0076	EA	33 To 42 Watt, Screw-In, Spiral Compact Fluorescent Lamps .....	36.70
26 01 50 51-0077	EA	43 To 65 Watt, Screw-In, Spiral Compact Fluorescent Lamps .....	40.01
26 01 50 51-0078	EA	85 Watt, Screw-In, Spiral Compact Fluorescent Lamps.....	75.91
26 01 50 51-0079	EA	105 Watt, Screw-In, Spiral Compact Fluorescent Lamps.....	90.87
26 01 50 51-0080	EA	200 Watt, Screw-In, Spiral Compact Fluorescent Lamps.....	93.91
26 01 50 51-0081	EA	11 Watt, Screw-In, Compact Fluorescent Reflector Lamps .....	34.32
26 01 50 51-0082	EA	15 Watt, Screw-In, Compact Fluorescent Reflector Lamps .....	35.78
26 01 50 51-0083	EA	20 To 28 Watt, Screw-In, Compact Fluorescent Reflector Lamps .....	41.26
<b>26 01 50 51-0084</b>		<b>Mercury Vapor Lamps (26 01 50 51-0001)</b>	
26 01 50 51-0085	EA	100 Watt, Mercury Vapor Lamp .....	41.16
26 01 50 51-0086	EA	175 Watt, Mercury Vapor Lamp .....	37.40
26 01 50 51-0087	EA	250 Watt, Mercury Vapor Lamp .....	35.53
26 01 50 51-0088	EA	400 Watt, Mercury Vapor Lamp .....	43.48
26 01 50 51-0089	EA	1,000 Watt, Mercury Vapor Lamp .....	75.44
<b>26 01 50 51-0090</b>		<b>Metal Halide Lamps (26 01 50 51-0001)</b>	
26 01 50 51-0091	EA	50 Watt, Pulse Start Metal Halide Lamp .....	41.95
26 01 50 51-0092	EA	70 Watt, Pulse Start Metal Halide Lamp .....	40.19
26 01 50 51-0093	EA	100 Watt, Pulse Start Metal Halide Lamp .....	45.74
26 01 50 51-0094	EA	150 Watt, Pulse Start Metal Halide Lamp .....	44.48
26 01 50 51-0095	EA	175 Watt, Pulse Start Metal Halide Lamp .....	44.12
26 01 50 51-0096	EA	250 Watt, Pulse Start Metal Halide Lamp .....	44.37
26 01 50 51-0097	EA	400 Watt, Pulse Start Metal Halide Lamp .....	53.20
26 01 50 51-0098	EA	1,000 Watt, Pulse Start Metal Halide Lamp .....	61.68
26 01 50 51-0099	EA	1,500 Watt, Pulse Start Metal Halide Lamp .....	61.32
<b>26 01 50 51-0100</b>		<b>High Pressure Sodium Lamps (26 01 50 51-0001)</b>	
26 01 50 51-0101	EA	35 Watt, High Pressure Sodium Lamp.....	34.80
		<i>For Enclosed And Gasket Light Fixtures, Add</i>	2.76
26 01 50 51-0102	EA	50 Watt, High Pressure Sodium Lamp.....	34.80
		<i>For Enclosed And Gasket Light Fixtures, Add</i>	2.76
26 01 50 51-0103	EA	70 Watt, High Pressure Sodium Lamp.....	35.55
		<i>For Enclosed And Gasket Light Fixtures, Add</i>	2.76
26 01 50 51-0104	EA	100 Watt, High Pressure Sodium Lamp.....	36.99
		<i>For Enclosed And Gasket Light Fixtures, Add</i>	2.76
26 01 50 51-0105	EA	150 Watt, High Pressure Sodium Lamp.....	35.55
		<i>For Enclosed And Gasket Light Fixtures, Add</i>	2.76
26 01 50 51-0106	EA	250 Watt, High Pressure Sodium Lamp.....	35.55
		<i>For Enclosed And Gasket Light Fixtures, Add</i>	2.76
26 01 50 51-0107	EA	400 Watt, High Pressure Sodium Lamp.....	33.41
		<i>For Enclosed And Gasket Light Fixtures, Add</i>	2.76
26 01 50 51-0108	EA	1,000 Watt, High Pressure Sodium Lamp.....	76.24
<b>26 01 50 51-0109</b>		<b>Low Pressure Sodium Lamps (26 01 50 51-0001)</b>	
26 01 50 51-0110	EA	35 Watt, Low Pressure Sodium Lamp.....	86.78
26 01 50 51-0111	EA	55 Watt, Low Pressure Sodium Lamp.....	96.71
26 01 50 51-0112	EA	70 Watt, Low Pressure Sodium Lamp.....	98.95
26 01 50 51-0113	EA	90 Watt, Low Pressure Sodium Lamp.....	101.19
26 01 50 51-0114	EA	135 Watt, Low Pressure Sodium Lamp.....	110.13
26 01 50 51-0115	EA	180 Watt, Low Pressure Sodium Lamp.....	150.39
<b>26 01 50 51-0116</b>		<b>LED Lamps (26 01 50 51-0001)</b>	
<b>26 01 50 51-0117</b>		<b>LED Lamps, Candelabra Base, CA10 (26 01 50 51-0116)</b>	
26 01 50 51-0118	EA	3 Watt (25 Watt Incandescent Equivalent), Candelabra Base, CA10, Dimmable LED Lamp (Energy Star) .....	14.20
<b>26 01 50 51-0119</b>		<b>LED Lamps, Medium Base, A19 Or A21 (26 01 50 51-0116)</b>	
26 01 50 51-0120	EA	6 Watt (40 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star).....	18.77
26 01 50 51-0121	EA	11 Watt (60 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star).....	18.77
26 01 50 51-0122	EA	14 Watt (75 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star).....	31.05
26 01 50 51-0123	EA	17 Watt (75 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star).....	21.87
26 01 50 51-0124	EA	18 Watt (100 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star).....	38.72
<b>26 01 50 51-0125</b>		<b>LED Lamps, Medium Base, BR30 Or BR40 (26 01 50 51-0116)</b>	
26 01 50 51-0126	EA	9.5 Watt (65 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star).....	25.42
26 01 50 51-0127	EA	14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star).....	22.83
26 01 50 51-0128	EA	11 Watt (65 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star).....	29.72
26 01 50 51-0129	EA	14.5 Watt (75 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star).....	25.13
26 01 50 51-0130	EA	14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star).....	32.79
26 01 50 51-0131	EA	18 Watt (90 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star).....	25.13











		MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0016	EA			2 Lamp, 35 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	103.87 8.17	27.22
<b>26 01 50 52-0017     54 Watt, T5 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0004)</small>						
26 01 50 52-0018	EA			1 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	98.32 6.53	21.78
26 01 50 52-0019	EA			2 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	103.76 8.17	27.22
26 01 50 52-0020	EA			3 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	141.39 9.80	32.66
26 01 50 52-0021	EA			4 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	146.84 11.43	38.11
<b>26 01 50 52-0022     High-Output, T5HO Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0003)</small> <small>Note: Includes 120/277 Volt and normal ballast factor.</small>						
<b>26 01 50 52-0023     12 Watt, High-Output, T5HO Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0022)</small>						
26 01 50 52-0024	EA			1 Lamp, 12 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.14 6.53	21.78
26 01 50 52-0025	EA			2 Lamp, 12 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	88.58 8.17	27.22
<b>26 01 50 52-0026     24 Watt, High-Output, T5HO Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0022)</small>						
26 01 50 52-0027	EA			1 Lamp, 24 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	107.58 6.53	21.78
26 01 50 52-0028	EA			2 Lamp, 24 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	113.02 8.17	27.22
<b>26 01 50 52-0029     39 Watt, High-Output, T5HO Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0022)</small>						
26 01 50 52-0030	EA			1 Lamp, 39 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	107.58 6.53	21.78
26 01 50 52-0031	EA			2 Lamp, 39 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	113.02 8.17	27.22
<b>26 01 50 52-0032     54 Watt, High-Output, T5HO Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0022)</small>						
26 01 50 52-0033	EA			1 Lamp, 54 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.14 6.53	21.78
26 01 50 52-0034	EA			2 Lamp, 54 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	88.58 8.17	27.22
<b>26 01 50 52-0035     Dimming, T5 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0003)</small>						
<b>26 01 50 52-0036     Step Dimming, T5 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0035)</small> <small>Note: Includes 120/277 Volt and normal ballast factor.</small>						
<b>26 01 50 52-0037     28 Watt, Step Dimming, T5 Fluorescent Electronic Ballast</b> <small>(26 01 50 52-0036)</small>						
26 01 50 52-0038	EA			2 Lamp, 28 Watt, Programmed Start, Step Dimming, T5 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	102.01 8.17	27.22
<b>26 01 50 52-0039     Dimming To 5%, T5 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0035)</small> <small>Note: Includes 120/277 Volt and normal ballast factor.</small>						
<b>26 01 50 52-0040     54 Watt, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0036)</small>						
26 01 50 52-0041	EA			1 Lamp, 54 Watt, Programmed Start, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	339.07 6.53	21.78
26 01 50 52-0042	EA			2 Lamp, 54 Watt, Programmed Start, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	335.27 8.17	27.22
<b>26 01 50 52-0043     T8 Fluorescent Ballasts</b> <small>(26 01 50 52-0002)</small>						
<b>26 01 50 52-0044     T8 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0043)</small> <small>Note: Includes 120/277 Volt and low or normal ballast factor.</small>						
<b>26 01 50 52-0045     17 Watt, T8 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0044)</small>						
26 01 50 52-0046	EA			1 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	45.18 6.53 13.09	21.78
26 01 50 52-0047	EA			1 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	76.68 6.53 8.61	21.78
26 01 50 52-0048	EA			2 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	50.62 8.17 13.09	27.22
26 01 50 52-0049	EA			2 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	82.12 8.17 8.61	27.22
26 01 50 52-0050	EA			3 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	61.60 9.80 12.75	32.66











**26 Electrical****26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 01 50 52-0194	EA 1 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	122.43 6.53	21.78
26 01 50 52-0195	EA 2 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	127.87 8.17	27.22
26 01 50 52-0196	EA 3 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	152.80 9.80	32.66
26 01 50 52-0197	EA 4 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	158.25 11.43	38.11
<b>26 01 50 52-0198</b>	<b>28 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts (26 01 50 52-0187)</b>		
26 01 50 52-0199	EA 1 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	122.43 6.53	21.78
26 01 50 52-0200	EA 2 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	127.87 8.17	27.22
26 01 50 52-0201	EA 3 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	152.80 9.80	32.66
26 01 50 52-0202	EA 4 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	158.25 11.43	38.11
<b>26 01 50 52-0203</b>	<b>32 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts (26 01 50 52-0187)</b>		
26 01 50 52-0204	EA 1 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	122.43 6.53	21.78
26 01 50 52-0205	EA 2 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	127.87 8.17	27.22
26 01 50 52-0206	EA 3 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	152.80 9.80	32.66
26 01 50 52-0207	EA 4 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	158.25 11.43	38.11
<b>26 01 50 52-0208</b>	<b>T10 Fluorescent Ballasts (26 01 50 52-0002)</b>		
<b>26 01 50 52-0209</b>	<b>T10 Fluorescent Electronic Ballasts (26 01 50 52-0208)</b> Note: Includes 120/277 Volt and normal ballast factor.		
<b>26 01 50 52-0210</b>	<b>40 Watt, T10 Fluorescent Electronic Ballasts (26 01 50 52-0209)</b>		
26 01 50 52-0211	EA 1 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.47 6.53	21.78
26 01 50 52-0212	EA 2 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.91 8.17	27.22
26 01 50 52-0213	EA 3 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.15 9.80	32.66
<b>26 01 50 52-0214</b>	<b>T12 Fluorescent Ballasts (26 01 50 52-0002)</b>		
<b>26 01 50 52-0215</b>	<b>T12 Fluorescent Electronic Ballasts (26 01 50 52-0214)</b> Note: Includes 120/277 Volt and normal ballast factor.		
<b>26 01 50 52-0216</b>	<b>25 Watt, T12 Fluorescent Electronic Ballasts (26 01 50 52-0215)</b>		
26 01 50 52-0217	EA 1 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.18 6.53	21.78
26 01 50 52-0218	EA 1 Lamp, 25 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.47 6.53	21.78
26 01 50 52-0219	EA 2 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.62 8.17	27.22
26 01 50 52-0220	EA 2 Lamp, 25 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.91 8.17	27.22
26 01 50 52-0221	EA 3 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.60 9.80	32.66
26 01 50 52-0222	EA 4 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.64 11.43	38.11
<b>26 01 50 52-0223</b>	<b>30 Watt, T12 Fluorescent Electronic Ballasts (26 01 50 52-0215)</b>		
26 01 50 52-0224	EA 1 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.47 6.53	21.78
26 01 50 52-0225	EA 2 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.91 8.17	27.22
26 01 50 52-0226	EA 3 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.15 9.80	32.66
<b>26 01 50 52-0227</b>	<b>34 Watt, T12 Fluorescent Electronic Ballasts (26 01 50 52-0215)</b>		
26 01 50 52-0228	EA 1 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.47 6.53	21.78
26 01 50 52-0229	EA 2 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.91 8.17	27.22
26 01 50 52-0230	EA 3 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.15 9.80	32.66
<b>26 01 50 52-0231</b>	<b>40 Watt, T12 Fluorescent Electronic Ballasts (26 01 50 52-0215)</b>		
26 01 50 52-0232	EA 1 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.47 6.53	21.78

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0233 EA 2 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.91 8.17	27.22
26 01 50 52-0234 EA 3 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.15 9.80	32.66
<b>26 01 50 52-0235 96 Watt, T12 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0215)</small>		
26 01 50 52-0236 EA 1 Lamp, 96 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	77.44 6.53	21.78
26 01 50 52-0237 EA 2 Lamp, 96 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	88.58 8.17	27.22
<b>26 01 50 52-0238 High-Output, T12HO Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0214)</small> Note: Includes 120/277 Volt and normal ballast factor.		
<b>26 01 50 52-0239 48 Watt, High-Output, T12HO Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0238)</small>		
26 01 50 52-0240 EA 1 Lamp, 48 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	100.37 6.53	21.78
26 01 50 52-0241 EA 2 Lamp, 48 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.81 8.17	27.22
<b>26 01 50 52-0242 60 Watt, High-Output, T12HO Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0238)</small>		
26 01 50 52-0243 EA 1 Lamp, 60 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	100.37 6.53	21.78
26 01 50 52-0244 EA 2 Lamp, 60 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.81 8.17	27.22
<b>26 01 50 52-0245 72 Watt, High-Output, T12HO Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0238)</small>		
26 01 50 52-0246 EA 1 Lamp, 72 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	100.37 6.53	21.78
26 01 50 52-0247 EA 2 Lamp, 72 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.81 8.17	27.22
<b>26 01 50 52-0248 96 Watt, High-Output, T12HO Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0238)</small>		
26 01 50 52-0249 EA 2 Lamp, 96 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	100.37 6.53	21.78
26 01 50 52-0250 EA 2 Lamp, 96 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.81 8.17	27.22
<b>26 01 50 52-0251 Emergency Fluorescent Ballasts</b> <small>(26 01 50 52-0002)</small> Note: 120/277 Volt.		
26 01 50 52-0252 EA 350 To 450 Lumens, One Lamp, Code Compliance, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B100)..... <i>For Factory Installation In New Fixtures, Deduct</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	158.56 -43.55 13.07	21.78
26 01 50 52-0253 EA 600 To 700 Lumens, Two Lamp, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B60)..... <i>For Factory Installation In New Fixtures, Deduct</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	258.08 -45.73 13.72	27.22
26 01 50 52-0254 EA 1,100 To 1,400 Lumens, One Or Two Lamp, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50)..... <i>For Factory Installation In New Fixtures, Deduct</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	319.47 -45.73 13.72	27.22
26 01 50 52-0255 EA 600 To 700 Lumens, One Or Two Lamp, Two Hour Illumination, Emergency Fluorescent Ballast (Bodine B70A)..... <i>For Factory Installation In New Fixtures, Deduct</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	237.56 -45.73 13.72	27.22
26 01 50 52-0256 EA 2,700 To 3,400 Lumens, Two Or Three Lamp, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B33)..... <i>For Factory Installation In New Fixtures, Deduct</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,096.05 -47.91 14.37	32.66
26 01 50 52-0257 EA 225 To 450 Lumens, One Lamp, Four Hour Illumination, Emergency Fluorescent Ballast (Bodine B54)..... <i>For Factory Installation In New Fixtures, Deduct</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	323.74 -43.55 13.07	21.78
26 01 50 52-0258 EA 325 To 1,000 Lumens, One Or Two Lamp, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B84CG)..... <i>For Factory Installation In New Fixtures, Deduct</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	539.63 -45.73 13.72	27.22
26 01 50 52-0259 EA 300 To 750 Lumens, One Or Two Lamp, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B94CG)..... <i>For Factory Installation In New Fixtures, Deduct</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	299.25 -45.73 13.72	27.22
26 01 50 52-0260 EA 200 To 625 Lumens, One Lamp, Ninety Minute Illumination, Damp Location, Emergency Compact Fluorescent Ballast (Bodine B413)..... <i>For Factory Installation In New Fixtures, Deduct</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	406.01 -43.55 13.07	21.78
26 01 50 52-0261 EA 300 To 650 Lumens, One Lamp, Damp Location, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B463)..... <i>For Factory Installation In New Fixtures, Deduct</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	315.91 -43.55 13.07	21.78
26 01 50 52-0262 EA 450 To 950 Lumens, One Or Two Lamp, Ninety Minute Illumination, Damp Location, Emergency Compact Fluorescent Ballast (Bodine B426)..... <i>For Factory Installation In New Fixtures, Deduct</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	356.43 -45.73 13.72	27.22

**26 Electrical****26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 01 50 52-0263	EA	1,100 To 1,400 Lumens, One Or Two Lamp, Ninety Minute Illumination, Damp Location, Emergency Fluorescent Ballast (Bodine BDL500) .....	385.31	27.22
		<i>For Factory Installation In New Fixtures, Deduct</i> .....	-45.73	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	13.72	
26 01 50 52-0264	EA	600 To 700 Lumens, Two Lamp, Damp Location, Emergency Fluorescent Ballast (Bodine BDL600) .....	325.09	27.22
		<i>For Factory Installation In New Fixtures, Deduct</i> .....	-45.73	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	13.72	
26 01 50 52-0265	EA	600 To 700 Lumens, One Lamp, Two Hour Illumination, Emergency Fluorescent Ballast (Bodine BDL700) .....	329.73	21.78
		<i>For Factory Installation In New Fixtures, Deduct</i> .....	-43.55	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	13.07	
26 01 50 52-0266	EA	500 To 600 Lumens, One Lamp, Damp Location, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine BDL900) .....	287.98	21.78
		<i>For Factory Installation In New Fixtures, Deduct</i> .....	-43.55	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	13.07	
26 01 50 52-0267	EA	300 To 750 Lumens, One Or Two Lamp, Damp Location, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine BDL94C) .....	299.25	27.22
		<i>For Factory Installation In New Fixtures, Deduct</i> .....	-45.73	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	13.72	
26 01 50 52-0268	EA	450 Lumens, One Lamp, Low Profile, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine LP400) .....	292.48	21.78
		<i>For Factory Installation In New Fixtures, Deduct</i> .....	-43.55	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	13.07	
26 01 50 52-0269	EA	1,100 To 1,400 Lumens, One Or Two Lamp, Self Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50ST) .....	531.24	27.22
		<i>For Factory Installation In New Fixtures, Deduct</i> .....	-45.73	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	13.72	
26 01 50 52-0270	EA	1,800 To 3,500 Lumens, One Or Two Lamp, Self Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B30ST) .....	662.94	27.22
		<i>For Factory Installation In New Fixtures, Deduct</i> .....	-45.73	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	13.72	
26 01 50 52-0271	EA	1,450 To 3,500 Lumens, One Or Two Lamp, Remote Control Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B30RCT) .....	1,235.81	27.22
		<i>For Factory Installation In New Fixtures, Deduct</i> .....	-45.73	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	13.72	
26 01 50 52-0272	EA	1,100 To 1,400 Lumens, One Or Two Lamp, Remote Control Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50RCT) .....	860.11	27.22
		<i>For Factory Installation In New Fixtures, Deduct</i> .....	-45.73	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	13.72	
26 01 50 52-0273	EA	1,100 To 3,100 Lumens, One Or Two Lamp, Central Battery, Emergency Fluorescent Ballast With Voltage Sensing Circuit (Bodine CB90-48) .....	440.06	27.22
		<i>For Factory Installation In New Fixtures, Deduct</i> .....	-45.73	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	13.72	
26 01 50 52-0274	EA	1,050 To 3,200 Lumens, One Lamp, Interim Lighting For Generator Backup, Five Minute Illumination, Emergency Fluorescent Ballast (Bodine GEN1) .....	568.63	21.78
		<i>For Factory Installation In New Fixtures, Deduct</i> .....	-43.55	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	13.07	
26 01 50 52-0275	EA	250 Watt, Self-Diagnostic, Ninety Minute Illumination, Fluorescent Emergency Lighting Inverter (Bodine ELI-250-SD) .....	3,157.79	27.22
		<i>For Factory Installation In New Fixtures, Deduct</i> .....	-43.55	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	13.07	
<b>26 01 50 52-0276</b>		<b>LED Emergency Ballasts</b> (26 01 50 52-0001)		
26 01 50 52-0277	EA	Up To 520 Lumens, Ninety Minute Illumination, 120-277 Volt, 4 Watt Output, Emergency LED Driver (Bodine BSL4L) .....	184.90	21.78
		<i>For Factory Installation In New Fixtures, Deduct</i> .....	-43.55	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	13.07	
26 01 50 52-0278	EA	Up To 780 Lumens, Ninety Minute Illumination, 120-277 Volt, 6 Watt Output, Emergency LED Driver (Bodine BSL6LST) .....	214.42	21.78
		<i>For Factory Installation In New Fixtures, Deduct</i> .....	-43.55	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	13.07	
26 01 50 52-0279	EA	Up To 975 Lumens, Ninety Minute Illumination, 120-277 Volt, 7.5 Watt Output, Emergency LED Driver (Bodine BSL17C) .....	249.77	21.78
		<i>For Factory Installation In New Fixtures, Deduct</i> .....	-43.55	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	13.07	
26 01 50 52-0280	EA	Up To 1,300 Lumens, Ninety Minute Illumination, 120-277 Volt, 10 Watt Output, Emergency LED Driver (Bodine BSL310) .....	237.09	21.78
		<i>For Factory Installation In New Fixtures, Deduct</i> .....	-43.55	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	13.07	
26 01 50 52-0281	EA	Up To 2,200 Lumens, Ninety Minute Illumination, 120-277 Volt, 18 Watt Output, Emergency LED Driver (Bodine BSL718) .....	419.76	21.78
		<i>For Factory Installation In New Fixtures, Deduct</i> .....	-43.55	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	13.07	
26 01 50 52-0282	EA	Up To 2,600 Lumens, Ninety Minute Illumination, 120-277 Volt, 20 Watt Output, Emergency LED Driver (Bodine BSL20LV) .....	397.07	21.78
		<i>For Factory Installation In New Fixtures, Deduct</i> .....	-43.55	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	13.07	
26 01 50 52-0283	EA	Up To 2,300 Lumens, Ninety Minute Illumination, 120-277 Volt, 23 Watt LED Emergency Battery Backup (LiteTronics EB23UQ) .....	377.57	21.78
		<i>For Factory Installation In New Fixtures, Deduct</i> .....	-43.55	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	13.07	
<b>26 01 50 52-0284</b>		<b>Compact Fluorescent Ballasts</b> (26 01 50 52-0001)		
<b>26 01 50 52-0285</b>		<b>Compact Fluorescent Electronic Ballasts</b> (26 01 50 52-0284) Note: Includes 120/277 Volt and normal ballast factor.		
<b>26 01 50 52-0286</b>		<b>18 Watt, Compact Fluorescent Electronic Ballasts</b> (26 01 50 52-0285)		
26 01 50 52-0287	EA	1 Lamp, 18 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast .....	93.26	21.78
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	6.53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0288 EA 2 Lamp, 18 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	98.70 8.17	27.22
<b>26 01 50 52-0289 26 Watt, Compact Fluorescent Electronic Ballasts</b> (26 01 50 52-0285)		
26 01 50 52-0290 EA 1 Lamp, 26 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	93.26 6.53	21.78
26 01 50 52-0291 EA 2 Lamp, 26 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	98.70 8.17	27.22
<b>26 01 50 52-0292 32 Watt, Compact Fluorescent Electronic Ballasts</b> (26 01 50 52-0285)		
26 01 50 52-0293 EA 1 Lamp, 32 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	114.90 6.53	21.78
26 01 50 52-0294 EA 2 Lamp, 32 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	120.34 8.17	27.22
<b>26 01 50 52-0295 40 Watt, Compact Fluorescent Electronic Ballasts</b> (26 01 50 52-0285)		
26 01 50 52-0296 EA 1 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.68 6.53	21.78
26 01 50 52-0297 EA 1 Lamp, 40 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	114.90 6.53	21.78
26 01 50 52-0298 EA 2 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	168.81 8.17	27.22
26 01 50 52-0299 EA 2 Lamp, 40 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	120.34 8.17	27.22
26 01 50 52-0300 EA 3 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	199.57 9.80	32.66
<b>26 01 50 52-0301 42 Watt, Compact Fluorescent Electronic Ballasts</b> (26 01 50 52-0285)		
26 01 50 52-0302 EA 1 Lamp, 42 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	114.90 6.53	21.78
26 01 50 52-0303 EA 2 Lamp, 42 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	120.34 8.17	27.22
<b>26 01 50 52-0304 55 Watt, Compact Fluorescent Electronic Ballasts</b> (26 01 50 52-0285)		
26 01 50 52-0305 EA 1 Lamp, 55 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	114.90 6.53	21.78
26 01 50 52-0306 EA 2 Lamp, 55 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	120.34 8.17	27.22
<b>26 01 50 52-0307 Dimming, Compact Fluorescent Electronic Ballasts</b> (26 01 50 52-0284)		
<b>26 01 50 52-0308 Dimming To 5%, Compact Fluorescent Electronic Ballasts</b> (26 01 50 52-0307) Note: Includes 120/277 Volt and normal ballast factor.		
<b>26 01 50 52-0309 18 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts</b> (26 01 50 52-0308)		
26 01 50 52-0310 EA 1 Lamp, 18 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	170.23 6.53	21.78
26 01 50 52-0311 EA 2 Lamp, 18 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	175.67 8.17	27.22
<b>26 01 50 52-0312 26 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts</b> (26 01 50 52-0308)		
26 01 50 52-0313 EA 1 Lamp, 26 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	170.23 6.53	21.78
26 01 50 52-0314 EA 2 Lamp, 26 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	175.67 8.17	27.22
<b>26 01 50 52-0315 32 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts</b> (26 01 50 52-0308)		
26 01 50 52-0316 EA 1 Lamp, 32 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	170.23 6.53	21.78
26 01 50 52-0317 EA 2 Lamp, 32 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	187.62 8.17	27.22
<b>26 01 50 52-0318 40 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts</b> (26 01 50 52-0308)		
26 01 50 52-0319 EA 2 Lamp, 40 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	187.62 8.17	27.22
<b>26 01 50 52-0320 42 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts</b> (26 01 50 52-0308)		
26 01 50 52-0321 EA 1 Lamp, 42 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	170.23 6.53	21.78
26 01 50 52-0322 EA 2 Lamp, 42 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	187.62 8.17	27.22

**26 Electrical****26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 01 50 52-0323		<b>55 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0308)</small>			
26 01 50 52-0324	EA	1 Lamp, 55 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast .....270.35			21.78
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.53		
26 01 50 52-0325	EA	2 Lamp, 55 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast .....303.88			27.22
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.17		
26 01 50 52-0326		<b>High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0001)</small>			
26 01 50 52-0327		<b>Magnetic High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0326)</small>			
26 01 50 52-0328		<b>Core And Coil High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0327)</small>			
26 01 50 52-0329		<b>Metal Halide, Core And Coil High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0328)</small>			
26 01 50 52-0330	EA	1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....166.27			27.22
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.43		
26 01 50 52-0331	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....170.41			27.22
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.43		
26 01 50 52-0332	EA	1 Lamp, 250 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast .....170.41			27.22
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.43		
26 01 50 52-0333	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....158.61			27.22
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.43		
26 01 50 52-0334	EA	1 Lamp, 400 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast .....158.61			27.22
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.43		
26 01 50 52-0335	EA	1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....237.69			27.22
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.43		
26 01 50 52-0336	EA	1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast .....237.69			27.22
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.43		
26 01 50 52-0337	EA	1 Lamp, 1,500 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....307.33			27.22
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.43		
26 01 50 52-0338	EA	1 Lamp, 1,500 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast .....342.86			27.22
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.43		
26 01 50 52-0339		<b>High Pressure Sodium, Core And Coil High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0328)</small>			
26 01 50 52-0340	EA	1 Lamp, 50 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....149.89			27.22
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.43		
26 01 50 52-0341	EA	1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....159.16			27.22
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.43		
26 01 50 52-0342	EA	1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....155.16			27.22
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.43		
26 01 50 52-0343	EA	1 Lamp, 150 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....183.01			27.22
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.43		
26 01 50 52-0344	EA	1 Lamp, 150 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....179.03			27.22
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.43		
26 01 50 52-0345	EA	1 Lamp, 250 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....204.87			27.22
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.43		
26 01 50 52-0346	EA	1 Lamp, 250 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....204.87			27.22
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.43		
26 01 50 52-0347	EA	1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....247.86			27.22
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.43		
26 01 50 52-0348	EA	1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....247.86			27.22
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.43		
26 01 50 52-0349	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....398.69			27.22
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.43		
26 01 50 52-0350	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....398.69			27.22
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.43		
26 01 50 52-0351		<b>Mounting Brackets For Core And Coil High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0328)</small>			
26 01 50 52-0352	EA	Single Mounting Bracket For Core And Coil Type .....15.94			
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.27		
26 01 50 52-0353	EA	Double Mounting Bracket For Core And Coil Type .....26.49			
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.90		
26 01 50 52-0354		<b>F-Can High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0327)</small>			
26 01 50 52-0355		<b>Metal Halide, F-Can High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0354)</small>			
26 01 50 52-0356	EA	1 Lamp, 70 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....211.91			27.22
		<i>For Pulse Start Ballast, Add</i>	17.38		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.43		
26 01 50 52-0357	EA	1 Lamp, 100 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....223.41			27.22
		<i>For Pulse Start Ballast, Add</i>	18.53		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.43		
26 01 50 52-0358	EA	1 Lamp, 175 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....203.21			27.22
		<i>For Pulse Start Ballast, Add</i>	16.51		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.43		
26 01 50 52-0359	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....236.40			27.22
		<i>For Pulse Start Ballast, Add</i>	19.83		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.43		
26 01 50 52-0360	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....329.43			27.22
		<i>For Pulse Start Ballast, Add</i>	29.13		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.43		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>26 01 50 52-0361</b>	<b>High Pressure Sodium, F-Can High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0361)</small>		
26 01 50 52-0362	EA 1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	255.48	27.22
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.43	
26 01 50 52-0363	EA 1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	273.40	27.22
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.43	
<b>26 01 50 52-0364</b>	<b>Postline High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0327)</small>		
<b>26 01 50 52-0365</b>	<b>Metal Halide, Postline High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0364)</small>		
26 01 50 52-0366	EA 1 Lamp, 50 Watt Metal Halide, 120 Volt, Postline High Intensity Discharge (HID) Ballast.....	427.27	27.22
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.43	
<b>26 01 50 52-0367</b>	<b>High Pressure Sodium, Postline High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0364)</small>		
26 01 50 52-0368	EA 1 Lamp, 70 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast.....	659.91	27.15
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.40	
26 01 50 52-0369	EA 1 Lamp, 100 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast.....	736.30	27.15
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.40	
26 01 50 52-0370	EA 1 Lamp, 150 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast.....	709.87	27.15
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.40	
<b>26 01 50 52-0371</b>	<b>Indoor Enclosed High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0327)</small>		
<b>26 01 50 52-0372</b>	<b>Metal Halide, Indoor Enclosed High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0371)</small>		
26 01 50 52-0373	EA 1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	526.78	27.22
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.43	
26 01 50 52-0374	EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	598.31	27.22
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.43	
26 01 50 52-0375	EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	791.23	27.22
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.43	
26 01 50 52-0376	EA 1 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	787.08	27.22
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.43	
26 01 50 52-0377	EA 2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	1,103.81	29.40
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.09	
26 01 50 52-0378	EA 2 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	1,103.81	29.40
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.09	
26 01 50 52-0379	EA 1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	758.69	27.22
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.43	
26 01 50 52-0380	EA 1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	893.14	27.22
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.43	
<b>26 01 50 52-0381</b>	<b>High Pressure Sodium, Indoor Enclosed High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0371)</small>		
26 01 50 52-0382	EA 1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	985.60	27.22
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.43	
26 01 50 52-0383	EA 1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	938.21	27.22
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.43	
26 01 50 52-0384	EA 1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	1,206.87	27.22
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.43	
26 01 50 52-0385	EA 1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	1,206.87	27.22
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.43	
<b>26 01 50 52-0386</b>	<b>Outdoor Weatherproof High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0327)</small>		
<b>26 01 50 52-0387</b>	<b>Metal Halide, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0386)</small>		
26 01 50 52-0388	EA 1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	592.33	27.22
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.43	
26 01 50 52-0389	EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	640.07	27.22
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.43	
26 01 50 52-0390	EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	635.37	27.22
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.43	
26 01 50 52-0391	EA 1 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	667.36	27.22
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.43	
26 01 50 52-0392	EA 2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	1,062.10	29.40
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.09	
26 01 50 52-0393	EA 2 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	1,306.35	29.40
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.09	
26 01 50 52-0394	EA 1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	991.15	27.22
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.43	
26 01 50 52-0395	EA 1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	902.09	27.22
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.43	
<b>26 01 50 52-0396</b>	<b>High Pressure Sodium, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0386)</small>		
26 01 50 52-0397	EA 1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	765.58	27.22
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.43	

**26 Electrical****26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0398	EA		1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	825.79 11.43	27.22
26 01 50 52-0399	EA		1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,234.66 11.43	27.22
26 01 50 52-0400	EA		1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,061.91 11.43	27.22
<b>26 01 50 52-0401</b>			<b>Electronic High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0326)</small>		
<b>26 01 50 52-0402</b>			<b>Electronic Low Frequency High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0401)</small>		
26 01 50 52-0403	EA		1 Lamp, 70 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	234.81 11.43	27.22
26 01 50 52-0404	EA		1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	234.81 11.43	27.22
26 01 50 52-0405	EA		1 Lamp, 150 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	264.99 11.43	27.22
26 01 50 52-0406	EA		1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	687.95 11.43	27.22
26 01 50 52-0407	EA		1 Lamp, 300 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	687.95 11.43	27.22
26 01 50 52-0408	EA		1 Lamp, 320 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	687.95 11.43	27.22
26 01 50 52-0409	EA		1 Lamp, 350 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	687.95 11.43	27.22
26 01 50 52-0410	EA		1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	687.95 11.43	27.22
<b>26 01 50 52-0411</b>			<b>Owner Supplied Ballasts</b> <small>(26 01 50 52-0001)</small>		
26 01 50 52-0412	EA		Install Owner Supplied, 1 Lamp Fluorescent Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.78 6.53	
26 01 50 52-0413	EA		Install Owner Supplied, 2 Lamp Fluorescent Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.22 8.17	
26 01 50 52-0414	EA		Install Owner Supplied, 3 Lamp Fluorescent Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.58 9.47	
26 01 50 52-0415	EA		Install Owner Supplied, 4 Lamp Fluorescent Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.75 10.13	
26 01 50 52-0416	EA		Install Owner Supplied, 1 Lamp High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.11 11.43	
26 01 50 52-0417	EA		Install Owner Supplied, 2 Lamp High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.29 12.09	
<b>26 01 50 53</b>			<b>Lens and Accessory Replacement</b> <small>(26 01 50)</small>		
<b>26 01 50 53-0001</b>			<b>Lens and Accessory Replacement</b> <small>(26 01 50 53)</small>		
26 01 50 53-0002	EA		Removal And Replacement Of Parabolic Aluminum Louver .....	79.18	
26 01 50 53-0003	EA		Removal And Replacement Of Visor For Fixtures .....	172.29	
26 01 50 53-0004	EA		Removal And Replacement Of Globe On Pole .....	196.82	
26 01 50 53-0005	EA		Removal And Replacement Of Lenses For Flat Top Pole Fixtures.....	81.85	
26 01 50 53-0006	EA		Removal And Replacement Of 1' x 4' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser.....	27.95	
26 01 50 53-0007	EA		Removal And Replacement Of 2' x 2' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser.....	28.95	
26 01 50 53-0008	EA		Removal And Replacement Of 2' x 4' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser.....	33.29	
26 01 50 53-0009	EA		Removal And Replacement Of Slide-On Lampholder..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.43 3.26	
26 01 50 53-0010	EA		Removal And Replacement Of Screw Mount Lampholder..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.59 3.26	
26 01 50 53-0011	EA		Removal And Replacement Of Medium Bi-Pin Lampholder .....	13.91	
26 01 50 53-0012	EA		Removal And Replacement Of Fixed High Output Lampholder, Recessed, Double Contact Double Pedestal Type .....	3.26	
26 01 50 53-0013	EA		Removal And Replacement Of Fixed High Output Lampholder, Recessed, Double Contact Double Pedestal Type..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.95 3.26	
26 01 50 53-0014	EA		Removal And Replacement Of Plunger High Output Lampholder, Recessed, Double Contact Double Pedestal Type..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.28 3.26	
26 01 50 53-0015	EA		Removal And Replacement Of Compact Twin-Tube Lampholder, Snap-in .....	13.71	
26 01 50 53-0016	EA		Removal And Replacement Of Exterior Light Globes .....	3.26	
26 01 50 53-0017	EA		Removal And Replacement Of Exterior Light Globes .....	53.97	
<b>26 01 50 81</b>			<b>Luminaire Replacement</b> <small>(26 01 50)</small>		
<b>26 01 50 81-0001</b>			<b>Retrofit Lighting Fixtures</b> <small>(26 01 50 81)</small>		
<b>26 01 50 81-0002</b>			<b>LED Lighting Retrofits For Existing Fixtures</b> <small>(26 01 50 81-0001)</small>		
<b>26 01 50 81-0003</b>			<b>LED Lighting Retrofits For Existing Downlight Fixtures (GreenCreative)</b> <small>(26 01 50 81-0002)</small>		
Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0376 for disposal of hazardous lamps.					
26 01 50 81-0004	EA		7" Round Downlight, 15 Watt, 2700K CCT, LED Retrofit (GreenCreative 15SMR7DIM/927).....	105.39	
26 01 50 81-0005	EA		7" Round Downlight, 15 Watt, 3000K CCT, LED Retrofit (GreenCreative 15SMR7DIM/930).....	105.39	
26 01 50 81-0006	EA		7" Round Downlight, 15 Watt, 4000K CCT, LED Retrofit (GreenCreative 15SMR7DIM/940).....	105.39	
26 01 50 81-0007	EA		4" Diameter, 8.5 Watt, 2700K CCT, THINFIT LED Downlight, (GreenCreative 8.5DLNC4DIM/827) .....	85.48	
26 01 50 81-0008	EA		4" Diameter, 8.5 Watt, 3000K CCT, THINFIT LED Downlight, (GreenCreative 8.5DLNC4DIM/830) .....	85.48	
26 01 50 81-0009	EA		4" Diameter, 8.5 Watt, 4000K CCT, THINFIT LED Downlight, (GreenCreative 8.5DLNC4DIM/840) .....	85.48	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 01 50 81-0010	EA		6" Diameter, 11.6 Watt, 2700K CCT, THINFIT LED Downlight, (GreenCreative 11.6DLNC6DIM/827).....	93.87	
26 01 50 81-0011	EA		6" Diameter, 11.6 Watt, 3000K CCT, THINFIT LED Downlight, (GreenCreative 11.6DLNC6DIM/830).....	93.87	
26 01 50 81-0012	EA		6" Diameter, 11.6 Watt, 4000K CCT, THINFIT LED Downlight, (GreenCreative 11.6DLNC6DIM/840).....	93.87	

**26 01 50 81-0013 LED Lighting Retrofits For Existing Site Fixtures (Daylight Technology) (26 01 50 81-0002)**

Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0376 for disposal of hazardous lamps.

26 01 50 81-0014	EA		2,300 Lumens, 23 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-20w) .....	316.23	
26 01 50 81-0015	EA		3,300 Lumens, 33 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-30w) .....	328.81	
26 01 50 81-0016	EA		4,400 Lumens, 44 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-40w) .....	341.38	
26 01 50 81-0017	EA		5,400 Lumens, 54 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-50w) .....	356.13	
26 01 50 81-0018	EA		6,500 Lumens, 65 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-60w) .....	392.80	
26 01 50 81-0019	EA		7,600 Lumens, 75 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-70w) .....	407.56	
26 01 50 81-0020	EA		8,600 Lumens, 86 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-80w) .....	442.14	
26 01 50 81-0021	EA		9,600 Lumens, 96 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-90w) .....	454.71	
26 01 50 81-0022	EA		10,700 Lumens, 107 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-100w) .....	469.46	
26 01 50 81-0023	EA		11,700 Lumens, 117 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-110w) .....	492.51	
26 01 50 81-0024	EA		12,800 Lumens, 128 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-120w) .....	516.69	
26 01 50 81-0025	EA		13,800 Lumens, 138 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-130w) .....	540.79	
26 01 50 81-0026	EA		14,900 Lumens, 149 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-140w) .....	553.37	
26 01 50 81-0027	EA		16,100 Lumens, 161 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-150w) .....	574.32	
26 01 50 81-0028	EA		17,200 Lumens, 172 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-160w) .....	598.53	
26 01 50 81-0029	EA		18,200 Lumens, 182 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-170w) .....	624.73	
26 01 50 81-0030	EA		19,300 Lumens, 193 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-180w) .....	664.55	
26 01 50 81-0031	EA		20,300 Lumens, 203 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-190w) .....	682.36	
26 01 50 81-0032	EA		21,400 Lumens, 214 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-200w) .....	712.84	
26 01 50 81-0033	EA		22,400 Lumens, 224 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-210w) .....	753.71	
26 01 50 81-0034	EA		23,500 Lumens, 235 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-220w) .....	774.66	
26 01 50 81-0035	EA		24,500 Lumens, 245 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-230w) .....	824.02	
26 01 50 81-0036	EA		25,600 Lumens, 256 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-240w) .....	870.13	
26 01 50 81-0037	EA		26,600 Lumens, 266 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-250w) .....	901.64	
26 01 50 81-0038	EA		27,700 Lumens, 277 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-260w) .....	946.70	
26 01 50 81-0039	EA		28,700 Lumens, 287 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-270w) .....	1,033.75	
26 01 50 81-0040	EA		29,800 Lumens, 298 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-280w) .....	1,044.23	
26 01 50 81-0041	EA		31,900 Lumens, 319 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-300w) .....	1,070.55	

**26 01 50 81-0042 LED Lighting Retrofits For Existing Fixtures (Optilumen) (26 01 50 81-0002)**

Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0376 for disposal of hazardous lamps.

26 01 50 81-0043	EA		20 Watt, 1 x 42", 3500L CCT, LED Retrofit Kit (Optilumen RKT1418M-35).....	131.82	
Note: Fits 1' x 4' Troffer/Strip					
26 01 50 81-0044	EA		20 Watt, 1 x 42", 4000L CCT, LED Retrofit Kit (Optilumen RKT1418M-40).....	131.82	
Note: Fits 1' x 4' Troffer/Strip					
26 01 50 81-0045	EA		20 Watt, 1 x 42", 5000L CCT, LED Retrofit Kit (Optilumen RKT1418M-50).....	131.82	
Note: Fits 1' x 4' Troffer/Strip					
26 01 50 81-0046	EA		30 Watt, 2 x 42", 3500L CCT, LED Retrofit Kit (Optilumen RKT2415M-35).....	137.06	
Note: Fits 2' x 4' Troffer/Strip					
26 01 50 81-0047	EA		2 x 42", 30 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT2415M-40).....	137.06	
Note: Fits 2' x 4' Troffer/Strip					
26 01 50 81-0048	EA		2 x 42", 30 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT2415M-50).....	137.06	
Note: Fits 2' x 4' Troffer/Strip					
26 01 50 81-0049	EA		2 x 42", 40 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT2418M-35).....	147.54	
Note: Fits 2' x 4' Troffer/Strip					
26 01 50 81-0050	EA		2 x 42", 40 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT2418M-40).....	147.54	
Note: Fits 2' x 4' Troffer/Strip					
26 01 50 81-0051	EA		2 x 42", 40 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT2418M-50).....	147.54	
Note: Fits 2' x 4' Troffer/Strip					
26 01 50 81-0052	EA		3 x 42", 30 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3415M-35).....	137.06	
Note: Fits 2' x 4' Troffer/Strip					
26 01 50 81-0053	EA		3 x 42", 30 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3415M-40).....	137.06	
Note: Fits 2' x 4' Troffer/Strip					
26 01 50 81-0054	EA		3 x 42", 30 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3415M-50).....	137.06	
Note: Fits 2' x 4' Troffer/Strip					
26 01 50 81-0055	EA		3 x 42", 40 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3418M-35).....	147.54	
Note: Fits 2' x 4' Troffer/Strip					
26 01 50 81-0056	EA		3 x 42", 40 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3418M-40).....	147.54	
Note: Fits 2' x 4' Troffer/Strip					
26 01 50 81-0057	EA		3 x 42", 40 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3418M-50).....	147.54	
Note: Fits 2' x 4' Troffer/Strip					
26 01 50 81-0058	EA		3 x 42", 60 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3424M-35).....	168.50	
Note: Fits 2' x 4' Troffer/Strip					
26 01 50 81-0059	EA		3 x 42", 60 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3424M-40).....	168.50	
Note: Fits 2' x 4' Troffer/Strip					
26 01 50 81-0060	EA		3 x 42", 60 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3424M-50).....	168.50	
Note: Fits 2' x 4' Troffer/Strip					
26 01 50 81-0061	EA		1 x 21", 10 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT1209M-35).....	131.82	
Note: Fits 1' x 2' Troffer/Strip					
26 01 50 81-0062	EA		1 x 21", 10 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT1209M-40).....	131.82	
Note: Fits 1' x 2' Troffer/Strip					
26 01 50 81-0063	EA		1 x 21", 10 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT1209M-50).....	131.82	
Note: Fits 1' x 2' Troffer/Strip					
26 01 50 81-0064	EA		2 x 21", 22 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT2209M-35).....	131.82	
Note: Fits 2' x 2' Troffer/Strip					

**26 Electrical****26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

CSI UOM DESCRIPTION

26 01 50 81-0065	EA	2 x 21", 22 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT2209M-40) ..... Note: Fits 2' x 2' Troffer/Strip	131.82	
26 01 50 81-0066	EA	2 x 21", 22 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT2209M-50) ..... Note: Fits 2' x 2' Troffer/Strip	131.82	
26 01 50 81-0067	EA	3 x 21", 20 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3209M-35) ..... Note: Fits 2' x 2' Troffer/Strip	137.06	
26 01 50 81-0068	EA	3 x 21", 20 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3209M-40) ..... Note: Fits 2' x 2' Troffer/Strip	137.06	
26 01 50 81-0069	EA	3 x 21", 20 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3209M-50) ..... Note: Fits 2' x 2' Troffer/Strip	137.06	
26 01 50 81-0070	EA	3 x 21", 30 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3210M-35) ..... Note: Fits 2' x 2' Troffer/Strip	143.35	
26 01 50 81-0071	EA	3 x 21", 30 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3210M-40) ..... Note: Fits 2' x 2' Troffer/Strip	143.35	
26 01 50 81-0072	EA	3 x 21", 30 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3210M-50) ..... Note: Fits 2' x 2' Troffer/Strip	143.35	

**26 01 50 81-0073 LED Lighting Retrofits For Existing Lay-In/Troffer Fixtures (LG)** (26 01 50 81-0002)

Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0376 for disposal of hazardous lamps.

26 01 50 81-0074	EA	34 Watt, 3500K CCT, 2' x 4', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X4RT-34-35-4400-R(W)-SN).....	306.22	
26 01 50 81-0075	EA	34 Watt, 4000K CCT, 2' x 4', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X4RT-34-40-4500-R(W)-SN).....	306.22	
26 01 50 81-0076	EA	26 Watt, 3500K CCT, 2' x 2', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X2RT-26-35-3400-R(W)-SN).....	275.84	
26 01 50 81-0077	EA	26 Watt, 4000K CCT, 2' x 2', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X2RT-26-40-3400-R(W)-SN).....	275.84	
26 01 50 81-0078	EA	25 Watt, 3,250 Lumens, 3500K CCT, Lay-In Retrofit 2' x 2' Troffer (LG LGE-2X2SI-25-35-3200-RV) ..... Note: No sensor, ZigBee ready driver	134.79	
26 01 50 81-0079	EA	25 Watt, 3,250 Lumens, 4000K CCT, Lay-In Retrofit 2' x 2' Troffer (LG LGE-2X2SI-25-40-3200-RV) ..... Note: No sensor, ZigBee ready driver	134.79	
26 01 50 81-0080	EA	31 Watt, 4,050 Lumens, 3500K CCT, Lay-In Retrofit 2' x 4' Troffer (LG LGE-2X2SI-31-35-3200-RV) ..... Note: No sensor, ZigBee ready driver	154.70	
26 01 50 81-0081	EA	31 Watt, 4,050 Lumens, 4000K CCT, Lay-In Retrofit 2' x 4' Troffer (LG LGE-2X2SI-31-40-3200-RV) ..... Note: No sensor, ZigBee ready driver	154.70	
26 01 50 81-0082	EA	25 Watt, 3,250 Lumens, 3500K CCT, Lay-In Retrofit 2' x 2' Troffer With Sensor Connect (LG LGE-2X2SC-25-35-3200-RV) ..... Note: Factory installed sensor and ZigBee dongle	169.37	
26 01 50 81-0083	EA	25 Watt, 3,250 Lumens, 4000K CCT, Lay-In Retrofit 2' x 2' Troffer With Sensor Connect (LG LGE-2X2SC-25-40-3200-RV) ..... Note: Factory installed sensor and ZigBee dongle	169.37	
26 01 50 81-0084	EA	31 Watt, 3,250 Lumens, 3500K CCT, Lay-In Retrofit 2' x 4' Troffer With Sensor Connect (LG LGE-2X2SC-31-35-3200-RV) ..... Note: Factory installed sensor and ZigBee dongle	174.61	
26 01 50 81-0085	EA	31 Watt, 3,250 Lumens, 4000K CCT, Lay-In Retrofit 2' x 4' Troffer With Sensor Connect (LG LGE-2X2SC-31-40-3200-RV) ..... Note: Factory installed sensor and ZigBee dongle	174.61	
26 01 50 81-0086	EA	2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 3500K CCT, Retrofit Board Kits (LG LGE-2BDK-25-35-3120) ..... Note: No sensor, ZigBee ready driver	104.40	
26 01 50 81-0087	EA	2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 4000K CCT, Retrofit Board Kits (LG LGE-2BDK-25-40-3120) ..... Note: No sensor, ZigBee ready driver	104.40	
26 01 50 81-0088	EA	2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 3500K CCT, Retrofit Board Kits (LG LGE-4BDK-31-35-3880) ..... Note: No sensor, ZigBee ready driver	116.97	
26 01 50 81-0089	EA	2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 4000K CCT, Retrofit Board Kits (LG LGE-4BDK-31-40-3880) ..... Note: No sensor, ZigBee ready driver	116.97	
26 01 50 81-0090	EA	2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 3500K CCT, With Lens Retrofit Board Kits (LG LGE-2BDK-25-35-3120-L) ..... Note: No sensor, ZigBee ready driver	107.54	
26 01 50 81-0091	EA	2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 4000K CCT, With Lens Retrofit Board Kits (LG LGE-2BDK-25-40-3120-L) ..... Note: No sensor, ZigBee ready driver	107.54	
26 01 50 81-0092	EA	2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 3500K CCT, With Lens Retrofit Board Kits (LG LGE-4BDK-31-35-3880-L) ..... Note: No sensor, ZigBee ready driver	120.12	
26 01 50 81-0093	EA	2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 4000K CCT, With Lens Retrofit Board Kits (LG LGE-4BDK-31-40-3880-L) ..... Note: No sensor, ZigBee ready driver	120.12	
26 01 50 81-0094	EA	6" Diameter, 16 Watt, 1,450 Lumens, 3500K CCT, Comm Retrofit Downlight (LG LGE-CRDL-16-35-1450) ..... Note: No sensor, ZigBee ready driver	106.49	
26 01 50 81-0095	EA	6" Diameter, 16 Watt, 1,450 Lumens, 4000K CCT, Comm Retrofit Downlight (LG LGE-CRDL-16-40-1450) ..... Note: No sensor, ZigBee ready driver	106.49	
26 01 50 81-0096	EA	8" Diameter, 22 Watt, 2,000 Lumens, 3500K CCT, Comm Retrofit Downlight (LG LGE-CRDL-22-35-2000) ..... Note: No sensor, ZigBee ready driver	115.93	
26 01 50 81-0097	EA	8" Diameter, 22 Watt, 2,000 Lumens, 4000K CCT, Comm Retrofit Downlight (LG LGE-CRDL-22-40-2000) ..... Note: No sensor, ZigBee ready driver	115.93	

**26 01 50 81-0098 LED Lighting Retrofit Accessories (LG)** (26 01 50 81-0002)

See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0376 for disposal of hazardous lamps.

26 01 50 81-0099	EA	Dongle (LG LGE-DONGLE) .....	20.71	
26 01 50 81-0100	EA	1-group On/Off/Dim, 2-Button, Wireless Switch (LG LGE-SWITCH-BAT-2B).....	113.02	12.38
26 01 50 81-0101	EA	2-group On/Off/Dim, 4-Button, Wireless Switch (LG LGE-SWITCH-BAT-4B).....	117.97	14.85
26 01 50 81-0102	EA	1-group On/Off/Dim, 2-Button, AC Powered Switch (LG LGE-SWITCH-AC-2B).....	144.55	12.38
26 01 50 81-0103	EA	2-group On/Off/Dim, 4-Button, AC Powered Switch (LG LGE-SWITCH-AC-4B).....	149.50	14.85
26 01 50 81-0104	EA	Photo, Motion Sensor With ZigBee Dongle plugin (LG LGE-MULTI-SENSOR).....	74.97	9.90
26 01 50 81-0105	EA	Tube Clip For Multi Sensor (LG LGE-TUBE-CLIP) .....	26.29	9.90
26 01 50 81-0106	EA	Ceiling Plate For Multi Sensor (LG LGE-CEILING-PLATE) .....	28.14	9.90
26 01 50 81-0107	EA	Wireless Interface Module (LG PIHN-W005A) .....	71.47	14.85

Note: includes dongle

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0108		<b>Retrofit Existing (T12) Fluorescent Fixtures</b> <small>(26 01 50 81-0001)</small> <small>Note: Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 02 84 16 00-0008 for leaking ballast disposal, 26 01 50 51-0376 for hazardous lamp recycling.</small>		
26 01 50 81-0109		<b>Retrofit Existing (T12) Strip Style Fluorescent Fixtures Without Reflector</b> <small>(26 01 50 81-0109)</small> <small>Note: Includes ballast, white reflective ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.</small>		
26 01 50 81-0110	EA	Retrofit An Existing 4' (T12) Strip Style Fixture Without Reflector To Operate One 4' (T8) Lamp..... <i>For Specular Ballast Cover, Add</i>	88.38 10.08	
26 01 50 81-0111	EA	Retrofit An Existing 4' (T12) Strip Style Fixture Without Reflector To Operate Two 4' (T8) Lamps..... <i>For Specular Ballast Cover, Add</i>	93.71 11.14	
26 01 50 81-0112	EA	Retrofit An Existing 8' (T12) Strip Style Fixture Without Reflector To Operate Two 4' (T8) Lamps..... <i>For Specular Ballast Cover, Add</i>	127.17 17.83	
26 01 50 81-0113	EA	Retrofit An Existing 8' (T12) Strip Style Fixture Without Reflector To Operate Four 4' (T8) Lamps..... <i>For Specular Ballast Cover, Add</i>	144.99 21.40	
26 01 50 81-0114		<b>Retrofit Existing (T12) Strip Style Fluorescent Fixtures With Reflector</b> <small>(26 01 50 81-0109)</small> <small>Note: Includes ballast, white reflector and ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.</small>		
26 01 50 81-0115	EA	Retrofit An Existing 4' (T12) Strip Style Fixture With Reflector To Operate One 4' (T8) Lamp..... <i>For Specular Reflector, Add</i>	93.30 11.06	
26 01 50 81-0116	EA	Retrofit An Existing 4' (T12) Strip Style Fixture With Reflector To Operate Two 4' (T8) Lamps..... <i>For Specular Reflector, Add</i>	99.22 12.24	
26 01 50 81-0117	EA	Retrofit An Existing 8' (T12) Strip Style Fixture With Reflector To Operate Two 4' (T8) Lamps..... <i>For Specular Reflector, Add</i>	134.06 19.21	
26 01 50 81-0118	EA	Retrofit An Existing 8' (T12) Strip Style Fixture With Reflector To Operate Four 4' (T8) Lamps..... <i>For Specular Reflector, Add</i>	168.56 26.11	
26 01 50 81-0119		<b>Retrofit Existing (T12) Troffer Style Fluorescent Fixtures</b> <small>(26 01 50 81-0108)</small> <small>Note: Includes ballast, white reflector and ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.</small>		
26 01 50 81-0120	EA	Retrofit An Existing 1 x 4 (T12) Troffer Style Fixture To Operate One 4' (T8) Lamps..... <i>For Specular Reflector, Add</i>	116.96 13.62	
26 01 50 81-0121	EA	Retrofit An Existing 1 x 4 (T12) Troffer Style Fixture To Operate Two 4' (T8) Lamps..... <i>For Specular Reflector, Add</i>	122.29 14.69	
26 01 50 81-0122	EA	Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Two 2' (T8) Lamps..... <i>For Specular Reflector, Add</i>	124.80 15.19	
26 01 50 81-0123	EA	Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Three 2' (T8) Lamps..... <i>For Specular Reflector, Add</i>	138.90 18.01	
26 01 50 81-0124	EA	Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Four 2' (T8) Lamps..... <i>For Specular Reflector, Add</i>	166.74 23.58	
26 01 50 81-0125	EA	Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Two 4' (T8) Lamps..... <i>For Specular Reflector, Add</i>	128.19 15.87	
26 01 50 81-0126	EA	Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Three 4' (T8) Lamps..... <i>For Specular Reflector, Add</i>	140.04 18.24	
26 01 50 81-0127	EA	Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Four 4' (T8) Lamps..... <i>For Specular Reflector, Add</i>	149.95 20.22	
26 01 50 81-0128		<b>Retrofit Existing Recessed Lay-In/Troffer Fixtures</b> <small>(26 01 50 81-0001)</small>		
26 01 50 81-0129		<b>Fluorescent Volumetric Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Lithonia)</b> <small>(26 01 50 81-0128)</small> <small>Note: Includes removing existing lamps and ballast. Includes installing adaptor frame, volumetric reflectors, lamps and ballasts. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0376 for disposal of hazardous lamps.</small>		
26 01 50 81-0130	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	147.73	
26 01 50 81-0131	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	147.73	
26 01 50 81-0132	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	147.73	
26 01 50 81-0133	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	160.37	
26 01 50 81-0134	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	147.73	
26 01 50 81-0135	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	147.73	
26 01 50 81-0136	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	147.73	
26 01 50 81-0137	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	160.37	
26 01 50 81-0138	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	148.55	
26 01 50 81-0139	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	148.55	
26 01 50 81-0140	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	148.55	
26 01 50 81-0141	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	161.20	
26 01 50 81-0142	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	148.55	
26 01 50 81-0143	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	148.55	

**26 Electrical****26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 01 50 81-0144	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT) .....	148.55
26 01 50 81-0145	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT) .....	161.20
<b>26 01 50 81-0146</b>		<b>LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (PlanLED)</b> <small>(26 01 50 81-0128)</small> Note: Includes adaptor frame, optical system, LEDs and driver. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0376 for disposal of hazardous lamps.	
26 01 50 81-0147	EA	2,400 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (PlanLED FR3E-025) .....	203.66
26 01 50 81-0148	EA	4,300 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (PlanLED FR3E-045) .....	212.26
<b>26 01 50 81-0149</b>		<b>LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Raffino™)</b> <small>(26 01 50 81-0128)</small> Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0376 for disposal of hazardous lamps.	
26 01 50 81-0150	EA	1,800 Lumens, 1' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR14-1800L) .....	289.04
26 01 50 81-0151	EA	2,600 Lumens, 1' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR14-2700L) .....	295.91
26 01 50 81-0152	EA	2,200 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR22-2200L) .....	289.04
26 01 50 81-0153	EA	3,300 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR22-3300L) .....	295.91
26 01 50 81-0154	EA	3,300 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-3000L) .....	330.22
26 01 50 81-0155	EA	4,150 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-4000L) .....	340.51
26 01 50 81-0156	EA	5,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-5000L) .....	364.53
<b>26 01 50 81-0157</b>		<b>LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Orion)</b> <small>(26 01 50 81-0128)</small> Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0376 for disposal of hazardous lamps.	
26 01 50 81-0158	EA	3,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-030L-FO-UNV-FDX-840-22-1P-CT-M-ST) .....	268.04
26 01 50 81-0159	EA	3,500 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-035L-FO-UNV-FDX-840-22-1P-CT-M-ST) .....	277.62
26 01 50 81-0160	EA	3,200 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-032L-FO-UNV-FDX-840-24-1P-CT-M-ST) .....	280.48
26 01 50 81-0161	EA	3,800 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-038L-FO-UNV-FDX-840-24-1P-CT-M-ST) .....	290.06
26 01 50 81-0162	EA	2,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1A1UNVFDSX84022MST) .....	203.44
26 01 50 81-0163	EA	4,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1B1UNVFDSX84022MST) .....	207.98
26 01 50 81-0164	EA	3,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1D1UNVFDSX84024MST) .....	215.26
26 01 50 81-0165	EA	4,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1E1UNVFDSX84024MST) .....	219.80
26 01 50 81-0166	EA	6,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1F1UNVFDSX84024MST) .....	270.72
26 01 50 81-0167	EA	8,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (ORION LDRE1G1UNVFDSX84024MST) .....	321.64
<b>26 01 50 81-0168</b>		<b>Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)</b> <small>(26 01 50 81-0128)</small> Note: Includes adaptor frame, optical system, lamps and ballasts. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0376 for disposal of hazardous lamps.	
26 01 50 81-0169	EA	1 T5 Lamp, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components) .....	237.72
26 01 50 81-0170	EA	1 T8 Lamp, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components) .....	178.95
26 01 50 81-0171	EA	2 T5 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components) .....	244.16
26 01 50 81-0172	EA	2 T8 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components) .....	185.34
26 01 50 81-0173	EA	3 T5 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components) .....	255.76
26 01 50 81-0174	EA	3 T8 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components) .....	201.56
26 01 50 81-0175	EA	1 T5 Lamp, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components) .....	280.55
26 01 50 81-0176	EA	1 T8 Lamp, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components) .....	221.62



**26 Electrical**

**26 01 Operation and Maintenance of Electrical Systems**

**26 01 50 Operation and Maintenance of Lighting**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 01 50 81-0200	EA	1'x 4', 4,000 Lumens, 3500K CCT, Square Smooth Diffuser, Dimming LED Relight Assembly (Lithonia BLT4R F 40LHE SDSMT MVOLT EZ1 LP835 NLTAIR2).....	229.06
		For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	147.50
		For nLight AIR radio module without sensor (nLight RIO), Add	95.88
		For >25 To 50, Deduct	-11.45
		For >50 To 100, Deduct	-18.54
		For >100, Deduct	-28.33
26 01 50 81-0201	EA	1'x 4', 4,800 Lumens, 3500K CCT, Curved Smooth Diffuser, Dimming LED Relight Assembly (Lithonia BLT4R 48LHE ADSMT MVOLT EZ1 LP835 NLTAIR2).....	246.55
		For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	147.50
		For nLight AIR radio module without sensor (nLight RIO), Add	95.88
		For >25 To 50, Deduct	-12.33
		For >50 To 100, Deduct	-19.85
		For >100, Deduct	-30.08
26 01 50 81-0202	EA	2'x 2', 3,300 Lumens, 3500K CCT, Square Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT2R 33LHE SDSMT MVOLT EZ1 LP835 NLTAIR2).....	259.62
		For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	147.50
		For nLight AIR radio module without sensor (nLight RIO), Add	95.88
		For >25 To 50, Deduct	-12.98
		For >50 To 100, Deduct	-20.83
		For >100, Deduct	-31.39
26 01 50 81-0203	EA	2'x 2', 4,000 Lumens, 3500K CCT, Square Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT2R F 40LHE SDSMT MVOLT EZ1 LP835 NLTAIR2).....	280.05
		For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	147.50
		For nLight AIR radio module without sensor (nLight RIO), Add	95.88
		For >25 To 50, Deduct	-14.00
		For >50 To 100, Deduct	-22.36
		For >100, Deduct	-33.43
26 01 50 81-0204	EA	2'x 4', 4,000 Lumens, 3500K CCT, Curved Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT4R 40LHE ADSMT MVOLT EZ1 LP835 NLTAIR2 RIO).....	300.98
		For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	147.50
		For nLight AIR radio module without sensor (nLight RIO), Add	95.88
		For >25 To 50, Deduct	-15.05
		For >50 To 100, Deduct	-24.20
		For >100, Deduct	-36.61
26 01 50 81-0205	EA	2'x 4', 4,800 Lumens, 3500K CCT, Curved Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT4R 48LHE ADSMT MVOLT EZ1 LP835 NLTAIR2 RIO).....	324.70
		For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	147.50
		For nLight AIR radio module without sensor (nLight RIO), Add	95.88
		For >25 To 50, Deduct	-16.24
		For >50 To 100, Deduct	-25.98
		For >100, Deduct	-38.98
26 01 50 81-0206	EA	LED Lighting Retrofits For Existing Fluorescent Fixtures (ELED Lights) (26 01 50 81-0196) Note: Includes removal of existing fluorescent lamps, installing LED strip lighting and trim. Excludes recycling or disposal of lamps. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0376 for disposal of hazardous lamps.	
26 01 50 81-0207	EA	2' Dimmable, 20 Watts, 2900 Lumens, 4000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X2STRPD20W40).....	90.36
		Note: Kit contains two 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver	
		For >25 To 50, Deduct	-4.52
		For >50 To 100, Deduct	-8.00
		For >100, Deduct	-13.92
26 01 50 81-0208	EA	2' Dimmable, 20 Watts, 2900 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X2STRPD20W50).....	90.36
		Note: Kit contains two 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver	
		For >25 To 50, Deduct	-4.52
		For >50 To 100, Deduct	-8.00
		For >100, Deduct	-13.92
26 01 50 81-0209	EA	4' Dimmable, 32 Watts, 5000 Lumens, 4000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X4STRPD32W40).....	118.01
		Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver	
		For >25 To 50, Deduct	-5.90
		For >50 To 100, Deduct	-10.21
		For >100, Deduct	-17.23
26 01 50 81-0210	EA	4' Dimmable, 32 Watts, 5000 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X4STRPD32W50).....	118.01
		Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver	
		For >25 To 50, Deduct	-5.90
		For >50 To 100, Deduct	-10.21
		For >100, Deduct	-17.23
26 01 50 81-0211	EA	4' Dimmable, 35 Watts, 5500 Lumens, 3000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN30).....	118.10
		Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver	
		For >25 To 50, Deduct	-5.91
		For >50 To 100, Deduct	-10.21
		For >100, Deduct	-17.24
26 01 50 81-0212	EA	4' Dimmable, 35 Watts, 5500 Lumens, 3000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN30F).....	128.32
		Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver	
		For >25 To 50, Deduct	-6.42
		For >50 To 100, Deduct	-10.98
		For >100, Deduct	-18.26

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0213	EA		4' Dimmable, 35 Watts, 5500 Lumens, 3500K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN35) .....	118.10	
			Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
			<i>For &gt;25 To 50, Deduct</i>	-5.91	
			<i>For &gt;50 To 100, Deduct</i>	-10.21	
			<i>For &gt;100, Deduct</i>	-17.24	
26 01 50 81-0214	EA		4' Dimmable, 35 Watts, 5500 Lumens, 3500K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN35F) .....	128.32	
			Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
			<i>For &gt;25 To 50, Deduct</i>	-6.42	
			<i>For &gt;50 To 100, Deduct</i>	-10.98	
			<i>For &gt;100, Deduct</i>	-18.26	
26 01 50 81-0215	EA		4' Dimmable, 35 Watts, 5500 Lumens, 4000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN40) .....	118.10	
			Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
			<i>For &gt;25 To 50, Deduct</i>	-5.91	
			<i>For &gt;50 To 100, Deduct</i>	-10.21	
			<i>For &gt;100, Deduct</i>	-17.24	
26 01 50 81-0216	EA		4' Dimmable, 35 Watts, 5500 Lumens, 4000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN40F) .....	128.32	
			Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
			<i>For &gt;25 To 50, Deduct</i>	-6.42	
			<i>For &gt;50 To 100, Deduct</i>	-10.98	
			<i>For &gt;100, Deduct</i>	-18.26	
26 01 50 81-0217	EA		4' Dimmable, 35 Watts, 5500 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN50) .....	118.10	
			Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
			<i>For &gt;25 To 50, Deduct</i>	-5.91	
			<i>For &gt;50 To 100, Deduct</i>	-10.21	
			<i>For &gt;100, Deduct</i>	-17.24	
26 01 50 81-0218	EA		4' Dimmable, 35 Watts, 5500 Lumens, 5000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN50F) .....	128.32	
			Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
			<i>For &gt;25 To 50, Deduct</i>	-6.42	
			<i>For &gt;50 To 100, Deduct</i>	-10.98	
			<i>For &gt;100, Deduct</i>	-18.26	
26 01 50 81-0219	EA		4' Dimmable, 46 Watts, 6800 Lumens, 5000K, Ultra High Lumen Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X4STRPD46W50) .....	128.23	
			Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
			<i>For &gt;25 To 50, Deduct</i>	-6.41	
			<i>For &gt;50 To 100, Deduct</i>	-10.97	
			<i>For &gt;100, Deduct</i>	-18.25	
26 01 50 81-0220	EA		4' Dimmable, 31 Watts, 5730 Lumens, 4000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40) .....	150.10	
			Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
			<i>For &gt;25 To 50, Deduct</i>	-7.51	
			<i>For &gt;50 To 100, Deduct</i>	-12.61	
			<i>For &gt;100, Deduct</i>	-20.44	
26 01 50 81-0221	EA		4' Dimmable, 31 Watts, 5730 Lumens, 4000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40F) .....	162.88	
			Note: Kit contains two 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
			<i>For &gt;25 To 50, Deduct</i>	-8.14	
			<i>For &gt;50 To 100, Deduct</i>	-13.57	
			<i>For &gt;100, Deduct</i>	-21.72	
26 01 50 81-0222	EA		4' Dimmable, 31 Watts, 5730 Lumens, 5000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50) .....	150.10	
			Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
			<i>For &gt;25 To 50, Deduct</i>	-7.51	
			<i>For &gt;50 To 100, Deduct</i>	-12.61	
			<i>For &gt;100, Deduct</i>	-20.44	
26 01 50 81-0223	EA		4' Dimmable, 31 Watts, 5730 Lumens, 5000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50F) .....	162.88	
			Note: Kit contains two 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
			<i>For &gt;25 To 50, Deduct</i>	-8.14	
			<i>For &gt;50 To 100, Deduct</i>	-13.57	
			<i>For &gt;100, Deduct</i>	-21.72	
26 01 50 81-0224	EA		20 Watts, Emergency Battery Backup, For Use With 2' And 4' Linear LED Retrofit Kits (ELEDLIGHTS BLD- AM20D-480800) .....	157.78	
			Note: 90-minute emergency battery with DIP switch-selectable power output of 10 Watts, 15 Watts, or 20 Watts		
			<i>For &gt;25 To 50, Deduct</i>	-7.89	
			<i>For &gt;50 To 100, Deduct</i>	-12.11	
			<i>For &gt;100, Deduct</i>	-16.86	
26 01 50 81-0225	EA		20 Watts, Emergency Battery Backup, For Use With 2' And 4' Linear LED Retrofit Kits (ELEDLIGHTS EM-HM- 20W) .....	144.85	
			Note: 90-minute emergency battery with power output of 20 Watts		
			<i>For &gt;25 To 50, Deduct</i>	-7.24	
			<i>For &gt;50 To 100, Deduct</i>	-11.14	
			<i>For &gt;100, Deduct</i>	-15.57	
26 01 50 81-0226	EA		8' Dimmable, 46 Watts, 7400 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4X4STRPD46W50) .....	153.46	
			Note: Kit contains four 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
			<i>For &gt;25 To 50, Deduct</i>	-7.67	
			<i>For &gt;50 To 100, Deduct</i>	-13.27	
			<i>For &gt;100, Deduct</i>	-22.40	

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 01 50 81-0227	EA	8' Dimmable, 49 Watts, 6680 Lumens, 5000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4X4STRPD49W50F) ..... 159.85 Note: Kit contains four 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver For >25 To 50, Deduct -7.99 For >50 To 100, Deduct -13.75 For >100, Deduct -23.04	159.85
26 01 50 81-0228	EA	8' Dimmable, 64 Watts, 11850 Lumens, 4000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40) ..... 222.60 Note: Kit contains four 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver For >25 To 50, Deduct -11.13 For >50 To 100, Deduct -18.46 For >100, Deduct -29.32	222.60
26 01 50 81-0229	EA	8' Dimmable, 64 Watts, 11850 Lumens, 4000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40F) ..... 248.16 Note: Kit contains four 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver For >25 To 50, Deduct -12.41 For >50 To 100, Deduct -20.38 For >100, Deduct -31.87	248.16
26 01 50 81-0230	EA	8' Dimmable, 64 Watts, 11850 Lumens, 5000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50) ..... 222.60 Note: Kit contains four 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver For >25 To 50, Deduct -11.13 For >50 To 100, Deduct -18.46 For >100, Deduct -29.32	222.60
26 01 50 81-0231	EA	8' Dimmable, 64 Watts, 11850 Lumens, 5000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50F) ..... 248.16 Note: Kit contains four 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver For >25 To 50, Deduct -12.41 For >50 To 100, Deduct -20.38 For >100, Deduct -31.87	248.16

26 05 Common Work Results for Electrical (26)

26 05 13 Medium-Voltage Cables (26 05)

26 05 13 16 Medium-Voltage, Single-and Multi-Conductor Cables (26 05 13)

26 05 13 16-0001	Wire And Cable (26 05 13 16) Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, testing, and splicing (#8 and lighter). All conductors are copper except as otherwise noted. No special set-up is required. Excludes terminations.		
26 05 13 16-0002	Wire Connections (26 05 13 16-0001)		
26 05 13 16-0003	Medium Voltage Up To 5 KV (26 05 13 16-0002)		
26 05 13 16-0004	Shielded One Conductor Cable Splice (26 05 13 16-0003)		
26 05 13 16-0005	EA #6 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV ..... 355.88		108.38
26 05 13 16-0006	EA #2 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV ..... 492.91		108.38
26 05 13 16-0007	EA 1/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV ..... 492.91		108.38
26 05 13 16-0008	EA 2/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV ..... 525.17		130.05
26 05 13 16-0009	EA 3/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV ..... 525.17		130.05
26 05 13 16-0010	EA 4/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV ..... 525.17		130.05
26 05 13 16-0011	EA 250 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV ..... 568.17		151.73
26 05 13 16-0012	EA 350 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV ..... 568.17		151.73
26 05 13 16-0013	EA 500 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV ..... 568.17		151.73
26 05 13 16-0014	Cable Termination Without Stress Cone (26 05 13 16-0003)		
26 05 13 16-0015	EA #6 To 4/0 AWG Cable Termination Without Stress Cone, Medium Voltage To 5 KV ..... 548.90		130.05
26 05 13 16-0016	EA 250 To 500 MCM Cable Termination Without Stress Cone, Medium Voltage To 5 KV ..... 632.75		151.73
26 05 13 16-0017	Cable Termination With Stress Cone (26 05 13 16-0003)		
26 05 13 16-0018	EA #6 To 4/0 AWG Cable Termination With Stress Cone, Medium Voltage To 5 KV ..... 1,693.71		260.09
26 05 13 16-0019	EA 250 To 500 MCM Cable Termination With Stress Cone, Medium Voltage To 5 KV ..... 2,325.29		357.63
26 05 13 16-0020	Connect To Pothead, Pothead Included (26 05 13 16-0003)		
26 05 13 16-0021	EA #6 To 4/0 AWG Connection To Pothead (Included) Medium Voltage To 5 KV ..... 1,776.47		260.09
26 05 13 16-0022	EA 250 To 500 MCM Connection To Pothead (Included) Medium Voltage To 5 KV ..... 2,287.66		298.03
26 05 13 16-0023	Two Conductor Pothead (26 05 13 16-0003) Note: Includes 5 KV pothead.		
26 05 13 16-0024	EA #6 To 4/0 AWG, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV ..... 1,221.08		357.63
26 05 13 16-0025	EA 250 To 350 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV ..... 1,650.98		455.18
26 05 13 16-0026	EA 400 To 700 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV ..... 2,600.57		516.08
26 05 13 16-0027	EA 750 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV ..... 4,341.04		602.13
26 05 13 16-0028	EA 1,000 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV ..... 8,080.00		903.08
26 05 13 16-0029	Three Conductor Pothead (26 05 13 16-0003) Note: Includes 5 KV pothead.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 13 16-0030	EA		#6 To 4/0 AWG, Three Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV.....	5,400.32	520.20
26 05 13 16-0031	EA		250 To 500 MCM, Three Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV.....	5,895.91	606.89
<b>26 05 13 16-0032</b>	<b>Copper Cable Splice, Crimp Compression Connection</b> <small>(26 05 13 16-0003)</small>				
	<i>Note: For bare wire.</i>				
26 05 13 16-0033	EA		#6 AWG Crimp Compression Connection For Bare Copper Wire.....	73.65	
26 05 13 16-0034	EA		#4 AWG Crimp Compression Connection For Bare Copper Wire.....	81.64	
26 05 13 16-0035	EA		#3 AWG Crimp Compression Connection For Bare Copper Wire.....	95.17	
26 05 13 16-0036	EA		#2 AWG Crimp Compression Connection For Bare Copper Wire.....	107.54	
26 05 13 16-0037	EA		#1 AWG Crimp Compression Connection For Bare Copper Wire.....	121.54	
26 05 13 16-0038	EA		1/0 AWG Crimp Compression Connection For Bare Copper Wire.....	134.90	
26 05 13 16-0039	EA		2/0 AWG Crimp Compression Connection For Bare Copper Wire.....	147.99	
26 05 13 16-0040	EA		3/0 AWG Crimp Compression Connection For Bare Copper Wire.....	162.18	
26 05 13 16-0041	EA		4/0 AWG Crimp Compression Connection For Bare Copper Wire.....	175.71	
26 05 13 16-0042	EA		250 MCM Crimp Compression Connection For Bare Copper Wire.....	189.73	
26 05 13 16-0043	EA		300 MCM Crimp Compression Connection For Bare Copper Wire.....	204.39	
26 05 13 16-0044	EA		350 MCM Crimp Compression Connection For Bare Copper Wire.....	217.54	
26 05 13 16-0045	EA		400 MCM Crimp Compression Connection For Bare Copper Wire.....	246.46	
26 05 13 16-0046	EA		500 MCM Crimp Compression Connection For Bare Copper Wire.....	276.93	
<b>26 05 13 16-0047</b>	<b>Aluminum Cable Splice, Crimp Compression Connection</b> <small>(26 05 13 16-0003)</small>				
	<i>Note: For bare wire.</i>				
26 05 13 16-0048	EA		#6 AWG Crimp Compression Connection For Bare Aluminum Wire .....	76.61	
26 05 13 16-0049	EA		#4 AWG Crimp Compression Connection For Bare Aluminum Wire .....	83.27	
26 05 13 16-0050	EA		#2 AWG Crimp Compression Connection For Bare Aluminum Wire .....	112.92	
26 05 13 16-0051	EA		#1 AWG Crimp Compression Connection For Bare Aluminum Wire .....	135.24	
26 05 13 16-0052	EA		1/0 AWG Crimp Compression Connection For Bare Aluminum Wire .....	147.83	
26 05 13 16-0053	EA		2/0 AWG Crimp Compression Connection For Bare Aluminum Wire .....	160.33	
26 05 13 16-0054	EA		3/0 AWG Crimp Compression Connection For Bare Aluminum Wire .....	176.52	
26 05 13 16-0055	EA		4/0 AWG Crimp Compression Connection For Bare Aluminum Wire .....	190.87	
26 05 13 16-0056	EA		250 MCM Crimp Compression Connection For Bare Aluminum Wire .....	204.53	
26 05 13 16-0057	EA		300 MCM Crimp Compression Connection For Bare Aluminum Wire .....	218.86	
26 05 13 16-0058	EA		350 MCM Crimp Compression Connection For Bare Aluminum Wire .....	232.72	
26 05 13 16-0059	EA		400 MCM Crimp Compression Connection For Bare Aluminum Wire .....	268.22	
26 05 13 16-0060	EA		500 MCM Crimp Compression Connection For Bare Aluminum Wire .....	304.08	
<b>26 05 13 16-0061</b>	<b>15 KV</b> <small>(26 05 13 16-0002)</small>				
<b>26 05 13 16-0062</b>	<b>Single Conductor Pothead On Racks</b> <small>(26 05 13 16-0061)</small>				
	<i>Note: Includes pothead.</i>				
26 05 13 16-0063	EA		#2 To 4/0 AWG, Single Conductor, 15 KV Pothead (Included), On Racks.....	1,478.08	455.18
26 05 13 16-0064	EA		250 To 500 MCM, Single Conductor, 15 KV Pothead (Included), On Racks.....	1,891.02	563.54
<b>26 05 13 16-0065</b>	<b>Two Conductor Pothead On Rack</b> <small>(26 05 13 16-0061)</small>				
	<i>Note: Includes pothead.</i>				
26 05 13 16-0066	EA		#2 To 4/0 AWG, Two Conductors, 15 KV Pothead (Included), On Racks .....	2,164.87	693.59
26 05 13 16-0067	EA		250 To 500 MCM, Two Conductors, 15 KV Pothead (Included), On Racks .....	2,609.65	823.65
<b>26 05 13 16-0068</b>	<b>Three Conductor Pothead On Rack</b> <small>(26 05 13 16-0061)</small>				
	<i>Note: Includes pothead.</i>				
26 05 13 16-0069	EA		#2 To 4/0 AWG, Three Conductors, 15 KV Pothead (Included), On Racks.....	2,757.09	899.50
26 05 13 16-0070	EA		250 To 500 MCM, Three Conductors, 15 KV Pothead (Included), On Racks.....	3,433.03	1,127.09
<b>26 05 13 16-0071</b>	<b>Stress Relief Cone On Rack</b> <small>(26 05 13 16-0061)</small>				
26 05 13 16-0072	EA		#2 To 4/0 AWG Stress Relief Cone, On Rack .....	1,378.08	455.18
26 05 13 16-0073	EA		250 To 500 MCM Stress Relief Cone, On Rack .....	1,778.60	563.54
<b>26 05 13 16-0074</b>	<b>Grounded, Shielded Cable Splice</b> <small>(26 05 13 16-0061)</small>				
26 05 13 16-0075	EA		#2 To 4/0 AWG Cable Splice, Grounded, Shielded, 15 KV .....	939.05	335.96
26 05 13 16-0076	EA		250 To 500 MCM Cable Splice, Grounded, Shielded, 15 KV.....	1,201.84	433.49
26 05 13 16-0077	EA		3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE 2-Way .....	6,162.48	1,192.12
26 05 13 16-0078	EA		3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE - CE 3-Way .....	8,013.02	1,300.49
<b>26 05 13 16-0079</b>	<b>Cable Termination</b> <small>(26 05 13 16-0061)</small>				
26 05 13 16-0080	EA		#2 To 3/0 AWG Cable Termination 15 KV.....	637.41	189.66
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>113.79</i>	
26 05 13 16-0081	EA		4/0 To 250 MCM Cable Termination 15 KV .....	803.48	243.84
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>146.31</i>	
26 05 13 16-0082	EA		350 To 500 MCM Cable Termination 15 KV.....	997.95	298.03
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>178.82</i>	
26 05 13 16-0083	EA		#2 To 3/0 AWG Cable Elbow Termination 15 KV .....	411.44	108.38
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>65.03</i>	
<b>26 05 13 16-0084</b>	<b>Stress Cones, 5-15 KV, 4 Skirted</b> <small>(26 05 13 16-0061)</small>				
26 05 13 16-0085	EA		#4 To 1/0 AWG Stress Cones, 5-15 KV, 4 Skirted.....	857.67	140.89

26 26 Electrical  
26 05 Common Work Results for Electrical  
26 05 13 Medium-Voltage Cables

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 05 13 16-0086	EA	2/0 To 3/0 AWG Stress Cones, 5-15 KV, 4 Skirted.....	979.07		155.71
26 05 13 16-0087	EA	4/0 To 350 MCM Stress Cones, 5-15 KV, 4 Skirted.....	1,169.07		170.41
26 05 13 16-0088	EA	400 To 500 MCM Stress Cones, 5-15 KV, 4 Skirted.....	1,513.55		196.34
26 05 13 16-0089		<b>Stress Cones, 5-15 KV, 6 Skirted</b> <small>(26 05 13 16-0061)</small>			
26 05 13 16-0090	EA	#4 To 1/0 AWG Stress Cones, 5-15 KV, 6 Skirted.....	1,715.36		282.25
26 05 13 16-0091	EA	2/0 To 3/0 AWG Stress Cones, 5-15 KV, 6 Skirted.....	1,958.39		311.42
26 05 13 16-0092	EA	4/0 To 350 MCM Stress Cones, 5-15 KV, 6 Skirted.....	2,325.47		334.49
26 05 13 16-0093	EA	400 To 500 MCM Stress Cones, 5-15 KV, 6 Skirted.....	3,027.09		392.66
26 05 13 16-0094		<b>35 KV</b> <small>(26 05 13 16-0002)</small>			
26 05 13 16-0095		<b>35 KV One Conductor Splice</b> <small>(26 05 13 16-0094)</small>			
26 05 13 16-0096	EA	#1 Stranded To 4/0 Stranded, 35 KV, Cable Splicing.....	2,350.06		
26 05 13 16-0097		<b>Cable Termination</b> <small>(26 05 13 16-0094)</small>			
26 05 13 16-0098	EA	#2 To 3/0 AWG Cable Termination, 35 KV.....	571.74		130.16
26 05 13 16-0099	EA	3/0 AWG To 250 MCM, 35 KV, Cable Termination.....	773.76		196.38
26 05 13 16-0100	EA	350 To 500 MCM Cable Termination 35 KV.....	905.07		210.03
26 05 13 16-0101	EA	#2 To 3/0 AWG Cable Elbow Termination 35 KV.....	451.71		108.38
26 05 13 16-0102		<b>70 KV</b> <small>(26 05 13 16-0002)</small>			
26 05 13 16-0103		<b>Cable Splice</b> <small>(26 05 13 16-0102)</small>			
26 05 13 16-0104	EA	350 MCM, 70 KV, Cable Splicing.....	13,814.11		
26 05 13 16-0105	EA	#2 To 4/0, 70 KV, Cable Splicing.....	2,451.21		
26 05 13 16-0106		<b>5 KV Cable</b> <small>(26 05 13 16-0001)</small>			
26 05 13 16-0107		<b>Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed In Duct</b> <small>(26 05 13 16-0106)</small>			
26 05 13 16-0108	MLF	#6 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	3,707.91		868.03
26 05 13 16-0109	MLF	#4 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	4,448.59		947.81
26 05 13 16-0110	MLF	#2 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	5,354.41		1,070.87
26 05 13 16-0111	MLF	1/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	7,000.84		1,319.36
26 05 13 16-0112	MLF	2/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	7,986.46		1,485.72
26 05 13 16-0113	MLF	3/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	9,933.01		1,649.10
26 05 13 16-0114	MLF	4/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	11,183.10		1,852.95
26 05 13 16-0115	MLF	250 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	13,378.92		2,061.48
26 05 13 16-0116	MLF	350 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	15,552.30		2,461.35
26 05 13 16-0117	MLF	500 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	19,764.78		2,893.27
26 05 13 16-0118	MLF	750 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	30,125.21		3,410.03
26 05 13 16-0119	MLF	1,000 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	40,491.05		3,926.54
26 05 13 16-0120		<b>Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Direct Burial</b> <small>(26 05 13 16-0106)</small>			
		<small>Note: Excludes excavation.</small>			
26 05 13 16-0121	MLF	#6 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	3,599.41		
26 05 13 16-0122	MLF	#4 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	4,140.56		
26 05 13 16-0123	MLF	#2 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	4,738.67		
26 05 13 16-0124	MLF	1/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	5,967.85		
26 05 13 16-0125	MLF	2/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	6,537.47		
26 05 13 16-0126	MLF	3/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	8,278.92		
26 05 13 16-0127	MLF	4/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	9,019.43		
26 05 13 16-0128	MLF	250 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	10,902.53		
26 05 13 16-0129	MLF	350 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	12,184.49		
26 05 13 16-0130	MLF	500 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	15,414.79		
26 05 13 16-0131		<b>Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed On Poles (Aerial)</b> <small>(26 05 13 16-0106)</small>			
26 05 13 16-0132	MLF	#6 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	2,971.27		541.82
26 05 13 16-0133	MLF	#4 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	3,616.16		580.94
26 05 13 16-0134	MLF	#2 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	4,620.67		734.66
26 05 13 16-0135	MLF	1/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	6,061.86		891.85
26 05 13 16-0136	MLF	2/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	7,041.80		1,046.96
26 05 13 16-0137	MLF	3/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	8,977.63		1,197.31
26 05 13 16-0138	MLF	4/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	10,225.75		1,389.21
26 05 13 16-0139	MLF	250 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	12,848.85		1,747.72
26 05 13 16-0140	MLF	350 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	15,248.92		2,211.41
26 05 13 16-0141	MLF	500 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	19,881.87		2,778.42
26 05 13 16-0142		<b>5 KV Non-Shielded Single Copper Conductor</b> <small>(26 05 13 16-0106)</small>			
26 05 13 16-0143	MLF	1/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	8,168.64		1,729.88
26 05 13 16-0144	MLF	2/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	9,576.25		1,754.73
26 05 13 16-0145	MLF	3/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	10,983.85		1,779.59
26 05 13 16-0146	MLF	4/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	11,466.38		1,818.93

Table with columns: MINOR, CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Contains multiple entries for different cable types and insulation levels, such as Ethylene-Propylene Rubber (EPR) and Cross-Linked Polyethylene (XLP) cables.

**26 Electrical**  
**26 05 Common Work Results for Electrical**  
**26 05 13 Medium-Voltage Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0210 MLF 500 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	19,757.10	
<b>26 05 13 16-0211 Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) <small>(26 05 13 16-0180)</small></b>		
26 05 13 16-0212 MLF #1 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	6,909.71	774.02
26 05 13 16-0213 MLF 1/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	8,180.88	891.85
26 05 13 16-0214 MLF 2/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	9,501.83	1,046.96
26 05 13 16-0215 MLF 3/0 AWG, XLP, 15 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation Cable.....	11,428.26	1,197.31
26 05 13 16-0216 MLF 4/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	12,293.60	1,389.21
26 05 13 16-0217 MLF 250 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	14,848.36	1,617.23
26 05 13 16-0218 MLF 350 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	17,652.94	1,884.48
26 05 13 16-0219 MLF 500 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	22,084.95	2,189.00
<b>26 05 13 16-0220 Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable <small>(26 05 13 16-0189)</small></b>		
<b>26 05 13 16-0221 Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct <small>(26 05 13 16-0220)</small></b>		
26 05 13 16-0222 MLF #4 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	8,803.39	1,729.88
26 05 13 16-0223 MLF #2 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	9,714.49	1,729.88
26 05 13 16-0224 MLF #1 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	10,062.02	1,729.88
26 05 13 16-0225 MLF 1/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	11,194.14	1,729.88
26 05 13 16-0226 MLF 2/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	12,268.68	1,729.88
26 05 13 16-0227 MLF 3/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	14,261.79	1,805.70
26 05 13 16-0228 MLF 4/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	14,683.94	1,805.70
26 05 13 16-0229 MLF 250 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	17,193.30	1,888.32
26 05 13 16-0230 MLF 350 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	19,779.25	1,932.59
26 05 13 16-0231 MLF 500 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	24,668.96	2,176.88
<b>26 05 13 16-0232 Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial <small>(26 05 13 16-0220)</small></b> Note: Excludes excavation.		
26 05 13 16-0233 MLF #1 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	8,201.20	
26 05 13 16-0234 MLF 1/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	9,333.31	
26 05 13 16-0235 MLF 2/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	10,407.86	
26 05 13 16-0236 MLF 3/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	12,424.89	
26 05 13 16-0237 MLF 4/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	12,847.02	
26 05 13 16-0238 MLF 250 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	15,452.80	
26 05 13 16-0239 MLF 350 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	18,039.90	
26 05 13 16-0240 MLF 500 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	22,690.00	
<b>26 05 13 16-0241 Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) <small>(26 05 13 16-0220)</small></b>		
26 05 13 16-0242 MLF #1 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	7,784.89	774.02
26 05 13 16-0243 MLF 1/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	9,228.76	891.85
26 05 13 16-0244 MLF 2/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	10,713.63	1,046.96
26 05 13 16-0245 MLF 3/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	12,915.19	1,197.31
26 05 13 16-0246 MLF 4/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	13,844.93	1,389.21
26 05 13 16-0247 MLF 250 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	16,750.94	1,617.23
26 05 13 16-0248 MLF 350 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	19,933.11	1,884.48
26 05 13 16-0249 MLF 500 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	25,017.85	2,189.00
<b>26 05 13 16-0250 15 KV Non-Shielded Single Copper Conductor <small>(26 05 13 16-0189)</small></b>		
26 05 13 16-0251 MLF 1/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	12,240.83	1,735.94
26 05 13 16-0252 MLF 2/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	10,369.29	1,777.43
26 05 13 16-0253 MLF 3/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	16,252.41	1,818.93
26 05 13 16-0254 MLF 350 MCM, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	22,779.77	1,940.14
<b>26 05 13 16-0255 Shielded, Armored Copper, 15 KV, 3 Conductor Cable <small>(26 05 13 16-0189)</small></b> Note: Laid in cable tray or hung in vertical cable shaft.		
<b>26 05 13 16-0256 Galvanized Steel Interlocked Armor Cable <small>(26 05 13 16-0255)</small></b>		
26 05 13 16-0257 LF 3 Conductors, #2 AWG, TC, 15 KV, Galvanized Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically.....	54.24	13.24
26 05 13 16-0258 LF 3 Conductors, 1/0 AWG, TC, 15 KV, Galvanized Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically.....	66.13	14.10
<b>26 05 13 16-0259 Aluminum Interlocked Armor Cable <small>(26 05 13 16-0255)</small></b>		
26 05 13 16-0260 LF 3 Conductors, #2 AWG, TC, 15 KV, Aluminum Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically.....	54.24	13.24
26 05 13 16-0261 LF 3 Conductor, 1/0 AWG, TC, 15 KV, Aluminum Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically.....	66.13	14.10
<b>26 05 13 16-0262 Type URD, 15 KV Primary Concentric UD Cable <small>(26 05 13 16-0189)</small></b> Note: 0.175" XLPE insulation, copper conductor.		
26 05 13 16-0263 MLF #4 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit.....	4,010.84	868.03
26 05 13 16-0264 MLF #2 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit.....	4,858.10	947.81
26 05 13 16-0265 MLF #1 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit.....	5,881.73	1,070.87
26 05 13 16-0266 MLF 1/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit.....	7,721.34	1,315.78

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 13 16-0267	MLF 2/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit.....	8,816.81	1,481.26
26 05 13 16-0268	MLF 3/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit.....	11,077.41	1,649.10
26 05 13 16-0269	MLF 4/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit.....	12,456.06	1,846.01

26 05 13 16-0270	15 KV, URD Copper Cable, Direct Burial <small>(26 05 13 16-0189)</small>		
26 05 13 16-0271	MLF 3 Conductors, #6 AWG, 15 KV, URD Copper Cable, Direct Burial.....	22,038.81	

**26 05 19 Low-Voltage Electrical Power Conductors and Cables (26 05)**

**26 05 19 13 Undercarpet Electrical Power Cables (26 05 19)**

26 05 19 13-0001	<b>Under Carpet Power System <small>(26 05 19 13)</small></b> Note: Includes laying out, floor prep, taping, testing, drill floor, folds.		
26 05 19 13-0002	LF 3-Conductor, #12 Flat Cable With Attached Bottom Shield.....	6.94	0.49
26 05 19 13-0003	LF Steel, Top Shield.....	10.80	0.49
26 05 19 13-0004	EA 3-Conductor, Splice.....	36.05	8.41
26 05 19 13-0005	EA Splice Top Shield For 3 Conductor.....	9.50	3.96
26 05 19 13-0006	EA 3-Conductor, Tap.....	45.30	9.90
26 05 19 13-0007	EA Insulating Patch, Splice Tap And End.....	74.82	8.41
26 05 19 13-0008	EA 3-Conductor, Transition Block Assembly.....	49.13	4.95
26 05 19 13-0009	EA Single, Direct Connected, Receptacle With Box.....	147.67	15.84
26 05 19 13-0010	EA Dual, Direct Connected, Receptacle With Box.....	247.07	24.75
26 05 19 13-0011	EA Floor Mounted Box With Cover.....	249.10	19.80
26 05 19 13-0012	LF 5-Conductor, #12 Cable With Attached Bottom Shield.....	11.23	0.49
26 05 19 13-0013	LF Steel, Top Shield For 5-Conductor Cable.....	11.14	0.49
26 05 19 13-0014	EA 5-Conductor, Splice.....	36.60	8.41
26 05 19 13-0015	EA 5-Conductor, Transition Block Assembly.....	65.96	4.95
26 05 19 13-0016	EA Box, Wall, Flush With Cover.....	105.33	19.80
26 05 19 13-0017	EA Telephone, Transition Fitting Wall Box.....	67.47	16.34
26 05 19 13-0018	EA RJ-45, Telephone Fitting With Duplex Jack And Cover.....	90.39	18.81
26 05 19 13-0019	EA Miniature Telephone With Duplex RJ-45.....	39.30	7.42
26 05 19 13-0020	LF 4-Pair, Level 5, Under Carpet Telephone Wire.....	2.24	0.49
26 05 19 13-0021	EA BNC, Coax Plug, Connector.....	28.98	9.90
26 05 19 13-0022	EA TNC, Coax Plug, Connector.....	28.98	9.90
26 05 19 13-0023	CLF Under Carpet Power System; Flat RG A/U 59, 75 Ohm, RG A/U 62, 93 Ohm, RG A/U 58, 50 Ohm.....	153.92	49.50

**26 05 19 16 Low-Voltage, Single-and Multi-Conductor Cables (26 05 19)**

26 05 19 16-0001	<b>Cable Installation Methods <small>(26 05 19 16)</small></b>		
26 05 19 16-0002	<b>Pull Cord <small>(26 05 19 16-0001)</small></b> Note: Left in conduit for others to pull cable. Not to be used when contractor has priced new wire in a conduit. Priced when owner wants a pull cord left in a conduit for owner to pull wire at a later time.		
26 05 19 16-0003	LF Pull String Installed To Remain In Place, In Existing Conduit.....	0.34	
26 05 19 16-0004	LF Pull String Installed To Remain In Place, In New Conduits.....	0.18	
26 05 19 16-0005	LF 1/4" Nylon Pull Cord Installed To Remain In Place, In Existing Conduit.....	0.58	
26 05 19 16-0006	LF 1/4" Nylon Pull Cord Installed To Remain In Place, In New Conduits.....	0.37	

26 05 19 16-0007	<b>Bore Conduit Into Dirt Or Sand <small>(26 05 19 16-0001)</small></b> Note: For installation under roads, driveways or other structures up to 20'.		
26 05 19 16-0008	LF Bore 1" To 4" Conduit Into Dirt Or Sand.....	3.01	
26 05 19 16-0009	LF Bore 5" To 8" Conduit Into Dirt Or Sand.....	3.84	
26 05 19 16-0010	EA Boring Minimum Set-Up Charge.....	422.47	
	Note: For projects where the total boring charge is less than the minimum set-up charge. Use this item exclusively. This item should not be used in conjunction with any other items in this section.		

26 05 19 16-0011	<b>Wire and Cable <small>(26 05 19 16)</small></b> Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, testing, and splicing (#8 and lighter). All conductors are copper except as otherwise noted. No special set-up is required. For tasks installed in conduit, tasks exclude conduit. Excludes terminations. See CSI section 26 05 33 13-0057 for various conduit types.		
26 05 19 16-0012	<b>Multi-Conductor Cords, Cables And Associated Equipment <small>(26 05 19 16-0011)</small></b>		
26 05 19 16-0013	<b>Multi-Conductor Cords <small>(26 05 19 16-0012)</small></b> Note: Includes installation in cable tray, surface mounting or installation between junction boxes. Excludes strain relief devices, plugs and connector bodies.		
26 05 19 16-0014	<b>Multi-Conductor Type SOOW And SJOOW Cord <small>(26 05 19 16-0013)</small></b> Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.		
26 05 19 16-0015	<b>300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0014)</small></b>		
26 05 19 16-0016	<b>#18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0015)</small></b>		
26 05 19 16-0017	LF 2 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.28	0.43
26 05 19 16-0018	LF 3 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.36	0.43
26 05 19 16-0019	LF 4 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.58	0.43

26 05 19 16-0020	<b>#16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0015)</small></b>		
26 05 19 16-0021	LF 2 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.49	0.43

26 Electrical
26 05 Common Work Results for Electrical
26 05 19 Low-Voltage Electrical Power Conductors and Cables



Table with columns: MINOR, CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include various electrical conductor specifications like #16 AWG, #14 AWG, #12 AWG, #10 AWG, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord, SOOW Cord, and Vu-Tron.

Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST

Main data table listing electrical work items with columns for item number, description, and costs. Includes sub-sections for #12 AWG, #10 AWG, #8 AWG, #6 AWG, and #4 AWG.

**26 Electrical****26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 05 19 16-0126	LF	3 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	14.23		1.08
26 05 19 16-0127	LF	4 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	15.68		1.19
26 05 19 16-0128	LF	5 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	19.04		1.30
26 05 19 16-0129		<b>#2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0036)</small>			
26 05 19 16-0130	LF	3 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	20.68		2.17
26 05 19 16-0131	LF	4 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	26.39		2.71
26 05 19 16-0132	LF	5 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	31.53		3.58
26 05 19 16-0133		<b>300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord</b> <small>(26 05 19 16-0014)</small>			
26 05 19 16-0134		<b>#18 AWG, 300 Volt, Multi-Conductor Type SJOOW Cord</b> <small>(26 05 19 16-0133)</small>			
26 05 19 16-0135	LF	2 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.82		0.43
26 05 19 16-0136	LF	3 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	2.06		0.43
26 05 19 16-0137	LF	4 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	2.55		0.43
26 05 19 16-0138		<b>#16 AWG, 300 Volt, Multi-Conductor Type SJOOW Cord</b> <small>(26 05 19 16-0133)</small>			
26 05 19 16-0139	LF	2 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.97		0.43
26 05 19 16-0140	LF	3 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	2.36		0.43
26 05 19 16-0141	LF	4 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	2.53		0.43
26 05 19 16-0142		<b>#14 AWG, 300 Volt, Multi-Conductor Type SJOOW Cord</b> <small>(26 05 19 16-0133)</small>			
26 05 19 16-0143	LF	2 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	2.93		0.43
26 05 19 16-0144	LF	3 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	4.49		0.43
26 05 19 16-0145	LF	4 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	5.86		0.54
26 05 19 16-0146		<b>600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0014)</small>			
26 05 19 16-0147		<b>#18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0146)</small>			
26 05 19 16-0148	LF	2 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.81		0.43
26 05 19 16-0149	LF	3 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.47		0.43
26 05 19 16-0150	LF	4 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	4.16		0.43
26 05 19 16-0151		<b>#16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0146)</small>			
26 05 19 16-0152	LF	2 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.05		0.43
26 05 19 16-0153	LF	3 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.72		0.43
26 05 19 16-0154	LF	4 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	4.78		0.43
26 05 19 16-0155	LF	5 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	5.16		0.54
26 05 19 16-0156		<b>#14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0146)</small>			
26 05 19 16-0157	LF	3 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.87		0.43
26 05 19 16-0158	LF	4 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	4.74		0.43
26 05 19 16-0159	LF	5 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	5.31		0.54
26 05 19 16-0160		<b>#12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0146)</small>			
26 05 19 16-0161	LF	3 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	4.69		0.43
26 05 19 16-0162	LF	4 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	5.45		0.43
26 05 19 16-0163	LF	5 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	6.10		0.54





26 Electrical

26 05 Common Work Results for Electrical

26 05 19 Low-Voltage Electrical Power Conductors and Cables



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 19 16-0211 Plugs And Connector Bodies (26 05 19 16-0200)

Note: Up to 277 volt

26 05 19 16-0212 NEMA Twist-Lock Plugs (26 05 19 16-0211)

Table with columns for quantity, unit, description, and costs. Rows include items like 15 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Plug (Hubbell HBL7545C) with costs of 82.09 and 84.24.

26 05 19 16-0224 NEMA Twist-Lock Connector Bodies (26 05 19 16-0211)

Table with columns for quantity, unit, description, and costs. Rows include items like 15 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL7506C) with costs of 88.17 and 95.78.

26 05 19 16-0236 Watertight Pin And Sleeve Plug (26 05 19 16-0211)

Table with columns for quantity, unit, description, and costs. Rows include items like 20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P4W) with costs of 262.36 and 32.51.

26 05 19 16-0260 Watertight Pin And Sleeve Connector (26 05 19 16-0211)

Table with columns for quantity, unit, description, and costs. Rows include items like 20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C4W) with costs of 278.82 and 32.51.

Table with columns: MINOR, CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST

Table containing items 26 05 19 16-0284 to 26 05 19 16-0308 under category Accessories. Includes descriptions like 1/2" Straight Steel Cord Connector and various PPE notes.

26 05 19 16-0309 ACSR (Aluminum Conductor Steel Reinforced) (26 05 19 16-0011)

Note: Concentric lay stranded Class A galvanizing installed on poles, aerially.

Table for ACSR Cable (26 05 19 16-0309) listing various cable types (MLF) such as #4 AWG, #2 AWG, etc., with their respective unit costs.

26 05 19 16-0321 All Aluminum Conductors (26 05 19 16-0309)

Table row for 795.0 ACSR Conductor Aluminum with unit costs of 26,863.50 and 9,894.90.

26 05 19 16-0323 600 Volt Wire (26 05 19 16-0011)

Table for Single Solid Conductor, Copper (26 05 19 16-0323) listing various wire types (MLF) like #14 AWG, #12 AWG, #10 AWG, etc.

26 05 19 16-0331 Power Cable, Stranded Conductor, Copper (26 05 19 16-0323)

26 05 19 16-0332 Power Cable, Stranded, Single Conductor, XHHW-2 (26 05 19 16-0331)

Table rows for Power Cable, Stranded, Single Conductor, XHHW-2 with unit costs for #16 AWG and #14 AWG.



MINOR CSI UOM DESCRIPTION TOTAL DIRECT UNIT COST DEMOLITION UNIT COST

Table listing electrical work items such as '600 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable' with associated costs.

26 05 19 16-0463 600 Volt, Armored Cable, Copper Conductors (26 05 19 16-0323)

26 05 19 16-0464 ACTHH, Solid (26 05 19 16-0463)

Table listing ACTHH Solid cable items, including '1 Conductor, #8 AWG, Type ACT, Solid, Armored Cable' and '2 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable'.

26 05 19 16-0480 ACTHH, Stranded (26 05 19 16-0463)

Table listing ACTHH Stranded cable items, including '2 Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable'.









MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0647 MLF 4/0 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	3,403.15	775.56
26 05 19 16-0648 MLF 250 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	3,919.04	852.59
26 05 19 16-0649 MLF 300 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	4,787.03	927.18
26 05 19 16-0650 MLF 350 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	5,014.33	1,001.75
26 05 19 16-0651 MLF 400 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	5,720.03	1,114.21
26 05 19 16-0652 MLF 500 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	6,303.38	1,226.64
26 05 19 16-0653 MLF 600 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	7,673.22	1,428.90
26 05 19 16-0654 MLF 700 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	8,650.47	1,566.48
26 05 19 16-0655 MLF 750 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	8,843.80	1,624.55
26 05 19 16-0656 MLF 1,000 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	12,046.95	1,970.67
26 05 19 16-0657 MLF #8 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	1,205.97	351.57
26 05 19 16-0658 MLF #6 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	1,356.50	396.01
26 05 19 16-0659 MLF #4 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	1,669.66	487.20
26 05 19 16-0660 MLF #2 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	2,106.21	597.20
26 05 19 16-0661 MLF #1 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	2,655.52	703.04
26 05 19 16-0662 MLF 1/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	3,058.49	792.34
26 05 19 16-0663 MLF 2/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	3,473.57	880.06
26 05 19 16-0664 MLF 3/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	3,982.28	960.15
26 05 19 16-0665 MLF 4/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	4,312.43	1,021.83
26 05 19 16-0666 MLF 250 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	4,879.21	1,093.32
26 05 19 16-0667 MLF 300 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	5,893.44	1,171.73
26 05 19 16-0668 MLF 350 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	6,177.49	1,265.78
26 05 19 16-0669 MLF 400 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	6,973.61	1,380.33
26 05 19 16-0670 MLF 500 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	7,845.89	1,584.08
26 05 19 16-0671 MLF 600 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	9,091.00	1,667.05
26 05 19 16-0672 MLF 700 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	10,077.33	1,757.53
26 05 19 16-0673 MLF 750 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	10,411.12	1,867.83
26 05 19 16-0674 MLF 1,000 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	15,091.95	2,617.70
26 05 19 16-0675 MLF #6 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	1,436.18	396.01
26 05 19 16-0676 MLF #4 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	1,791.24	487.10
26 05 19 16-0677 MLF #2 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	2,234.33	597.99
26 05 19 16-0678 MLF #1 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	2,805.55	699.08
26 05 19 16-0679 MLF 1/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	3,169.83	788.67
26 05 19 16-0680 MLF 2/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	3,588.68	874.61
26 05 19 16-0681 MLF 3/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	4,159.47	960.15
26 05 19 16-0682 MLF 4/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	4,543.10	1,021.83
26 05 19 16-0683 MLF 250 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	5,153.44	1,092.61
26 05 19 16-0684 MLF 300 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	6,247.14	1,173.21
26 05 19 16-0685 MLF 350 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	6,610.30	1,267.46
26 05 19 16-0686 MLF 400 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	7,317.99	1,377.16
26 05 19 16-0687 MLF 500 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	8,421.53	1,584.08
26 05 19 16-0688 MLF 600 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	9,637.49	1,662.59
26 05 19 16-0689 MLF 700 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	10,690.78	1,757.53
26 05 19 16-0690 MLF 750 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	11,105.33	1,862.18
<b>26 05 19 16-0691 Non-Metallic Sheathed Cable <small>(26 05 19 16-0323)</small></b>		
<b>26 05 19 16-0692 Indoor Installation <small>(26 05 19 16-0691)</small></b>		
Note: For NM, NM-B, NMC-B and NMS-B.		
26 05 19 16-0693 MLF #14 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable.....	2,164.25	752.34
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>		<i>282.12</i>
26 05 19 16-0694 MLF #14 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable.....	2,665.80	910.85
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>		<i>341.58</i>
26 05 19 16-0695 MLF #14 AWG, 4 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable.....	3,425.95	1,007.87
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>		<i>377.95</i>
26 05 19 16-0696 MLF #12 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable.....	2,518.88	855.40
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>		<i>304.44</i>
26 05 19 16-0697 MLF #12 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable.....	3,300.32	950.25
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>		<i>356.36</i>
26 05 19 16-0698 MLF #12 AWG, 4 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable.....	4,083.31	1,061.33
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>		<i>398.00</i>
26 05 19 16-0699 MLF #10 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable.....	3,051.98	950.74
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>		<i>356.54</i>
26 05 19 16-0700 MLF #10 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable.....	4,245.56	1,109.05
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>		<i>415.89</i>
26 05 19 16-0701 MLF #10 AWG, 4 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable.....	4,979.72	1,267.26
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>		<i>475.22</i>
26 05 19 16-0702 MLF #8 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable.....	4,688.78	1,138.55
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>		<i>405.43</i>
26 05 19 16-0703 MLF #8 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable.....	5,878.56	1,376.17
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>		<i>490.08</i>
26 05 19 16-0704 MLF #6 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable.....	5,864.19	1,296.96
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>		<i>460.37</i>
26 05 19 16-0705 MLF #6 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable.....	7,600.96	1,564.27
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>		<i>556.90</i>
26 05 19 16-0706 MLF #4 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable.....	14,898.34	1,722.68
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>		<i>612.59</i>
26 05 19 16-0707 MLF #2 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable.....	17,197.10	1,871.20
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>		<i>668.28</i>
<b>26 05 19 16-0708 Direct Burial Cable <small>(26 05 19 16-0691)</small></b>		
Note: Excludes trench and backfill. For NM, NM-B, NMC-B and NMS-B. Copper.		
26 05 19 16-0709 MLF #14 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench.....	2,350.13	

## 26 Electrical

## 26 05 Common Work Results for Electrical

## 26 05 19 Low-Voltage Electrical Power Conductors and Cables



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0710	MLF		#14 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench .....	3,109.32	
26 05 19 16-0711	MLF		#12 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench .....	3,010.50	
26 05 19 16-0712	MLF		#12 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench .....	4,010.65	
26 05 19 16-0713	MLF		#10 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench .....	3,349.82	
26 05 19 16-0714	MLF		#10 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench .....	5,002.95	
26 05 19 16-0715	MLF		#8 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench.....	5,585.20	
26 05 19 16-0716	MLF		#8 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench.....	7,232.29	
26 05 19 16-0717	MLF		#6 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench.....	7,147.09	
26 05 19 16-0718	MLF		#6 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench.....	9,597.24	
<b>26 05 19 16-0719 SEU Cable Copper, 3 Conductor (26 05 19 16-0691)</b>					
26 05 19 16-0720	MLF		12-12-12 Cable SEU Copper .....	3,196.20	954.02
26 05 19 16-0721	MLF		10-10-10 Cable SEU Copper .....	4,159.51	1,083.74
26 05 19 16-0722	MLF		8-8-8 Cable SEU Copper .....	5,351.93	1,213.57
26 05 19 16-0723	MLF		6-6-8 Cable SEU Copper .....	6,678.90	1,301.03
26 05 19 16-0724	MLF		6-6-6 Cable SEU Copper .....	7,256.67	1,344.59
26 05 19 16-0725	MLF		4-4-6 Cable SEU Copper .....	9,062.25	1,474.43
26 05 19 16-0726	MLF		4-4-4 Cable SEU Copper .....	9,857.93	1,517.89
26 05 19 16-0727	MLF		3-3-5 Cable SEU Copper .....	11,636.37	1,647.07
26 05 19 16-0728	MLF		3-3-3 Cable SEU Copper .....	12,380.18	1,733.99
26 05 19 16-0729	MLF		2-2-4 Cable SEU Copper .....	13,266.25	1,821.44
26 05 19 16-0730	MLF		2-2-2 Cable SEU Copper .....	14,235.49	1,908.04
26 05 19 16-0731	MLF		1-1-1 Cable SEU Copper .....	17,647.44	2,167.48
26 05 19 16-0732	MLF		1/0-1/0-1/0 Cable SEU Copper .....	21,200.14	2,429.97
26 05 19 16-0733	MLF		2/0-2/0-2/0 Cable SEU Copper .....	25,780.47	2,736.78
26 05 19 16-0734	MLF		3/0-3/0-3/0 Cable SEU Copper .....	31,346.97	3,044.23
26 05 19 16-0735	MLF		4/0-4/0-4/0 Cable SEU Copper .....	35,038.29	3,397.31
<b>26 05 19 16-0736 SEU Cable Aluminum, 3 Conductor (26 05 19 16-0691)</b>					
26 05 19 16-0737	MLF		8-8-8 Cable SEU Aluminum .....	3,846.57	1,217.69
26 05 19 16-0738	MLF		6-6-6 Cable SEU Aluminum .....	4,376.45	1,337.99
26 05 19 16-0739	MLF		4-4-6 Cable SEU Aluminum .....	4,908.52	1,464.57
26 05 19 16-0740	MLF		4-4-4 Cable SEU Aluminum .....	5,138.58	1,526.45
26 05 19 16-0741	MLF		2-2-4 Cable SEU Aluminum .....	6,144.78	1,806.28
26 05 19 16-0742	MLF		2-2-2 Cable SEU Aluminum .....	6,520.17	1,901.32
26 05 19 16-0743	MLF		1-1-1 Cable SEU Aluminum .....	7,813.14	2,167.48
26 05 19 16-0744	MLF		1/0-1/0-2 Cable SEU Aluminum .....	8,268.53	2,281.60
26 05 19 16-0745	MLF		1/0-1/0-1/0 Cable SEU Aluminum .....	9,990.84	2,408.29
26 05 19 16-0746	MLF		2/0-2/0-1 Cable SEU Aluminum .....	9,336.37	2,580.39
26 05 19 16-0747	MLF		2/0-2/0-2/0 Cable SEU Aluminum .....	9,860.28	2,709.36
26 05 19 16-0748	MLF		3/0-3/0-1/0 Cable SEU Aluminum .....	10,722.91	2,837.01
26 05 19 16-0749	MLF		3/0-3/0-3/0 Cable SEU Aluminum .....	11,467.77	3,010.41
26 05 19 16-0750	MLF		4/0-4/0-2/0 Cable SEU Aluminum .....	12,119.55	3,254.48
26 05 19 16-0751	MLF		4/0-4/0-4/0 Cable SEU Aluminum .....	12,791.77	3,386.69
<b>26 05 19 16-0752 SER Cable Copper, 4 Conductor (26 05 19 16-0691)</b>					
26 05 19 16-0753	MLF		6-6-6-6 Cable SER Copper .....	11,518.28	1,561.56
26 05 19 16-0754	MLF		4-4-4-6 Cable SER Copper .....	12,654.13	1,690.74
26 05 19 16-0755	MLF		3-3-3-5 Cable SER Copper .....	15,886.03	1,908.04
26 05 19 16-0756	MLF		2-2-2-4 Cable SER Copper .....	18,300.52	2,080.13
26 05 19 16-0757	MLF		1-1-1-3 Cable SER Copper .....	21,376.47	2,381.85
26 05 19 16-0758	MLF		1/0-1/0-1/0-2 Cable SER Copper .....	26,222.58	2,729.84
26 05 19 16-0759	MLF		2/0-2/0-2/0-1 Cable SER Copper .....	33,373.77	2,944.96
26 05 19 16-0760	MLF		3/0-3/0-3/0-1/0 Cable SER Copper .....	38,665.93	3,294.03
<b>26 05 19 16-0761 SER Cable Aluminum, 4 Conductor (26 05 19 16-0691)</b>					
26 05 19 16-0762	MLF		8-8-8-8 Cable SER Aluminum .....	5,117.88	1,457.52
26 05 19 16-0763	MLF		6-6-6-6 Cable SER Aluminum .....	5,593.24	1,561.56
26 05 19 16-0764	MLF		4-4-4-6 Cable SER Aluminum .....	6,289.41	1,690.74
26 05 19 16-0765	MLF		2-2-2-4 Cable SER Aluminum .....	7,947.34	2,080.13
26 05 19 16-0766	MLF		1-1-1-3 Cable SER Aluminum .....	9,628.93	2,381.85
26 05 19 16-0767	MLF		1/0-1/0-1/0-2 Cable SER Aluminum .....	10,858.65	2,729.84
26 05 19 16-0768	MLF		2/0-2/0-2/0-1 Cable SER Aluminum .....	12,203.87	2,944.96
26 05 19 16-0769	MLF		3/0-3/0-3/0-1/0 Cable SER Aluminum .....	13,923.12	3,294.03
26 05 19 16-0770	MLF		4/0-4/0-4/0-2/0 Cable SER Aluminum .....	15,845.91	3,670.52
<b>26 05 19 16-0771 Control Tray Cable, Low Voltage (26 05 19 16-0011)</b>					
Note: Type "TC" multi-conductor (individually numbered conductors) control cables installed in conduit.					
26 05 19 16-0772	MLF		2 Conductor #18 AWG, Stranded, Type TC Control Cable .....	990.12	480.27
For Work In Restricted Working Space, Add				240.14	
26 05 19 16-0773	MLF		3 Conductor #18 AWG, Stranded, Type TC Control Cable .....	1,139.26	537.24
For Work In Restricted Working Space, Add				268.62	
26 05 19 16-0774	MLF		4 Conductor #18 AWG, Stranded, Type TC Control Cable .....	1,188.94	537.20
For Work In Restricted Working Space, Add				268.62	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0775			MLF 5 Conductor #18 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,488.81 336.90	673.80
26 05 19 16-0776			MLF 7 Conductor #18 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,869.78 410.55	821.10
26 05 19 16-0777			MLF 9 Conductor #18 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,128.08 451.46	902.92
26 05 19 16-0778			MLF 12 Conductor #18 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,522.80 512.98	1,025.94
26 05 19 16-0779			MLF 15 Conductor #18 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	3,182.87 627.00	1,253.99
26 05 19 16-0780			MLF 19 Conductor #18 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	3,625.86 684.03	1,368.05
26 05 19 16-0781			MLF 25 Conductor #18 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	4,257.12 705.41	1,410.82
26 05 19 16-0782			MLF 30 Conductor #18 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	5,227.08 881.24	1,762.49
26 05 19 16-0783			MLF 37 Conductor #18 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	6,260.01 1,029.90	2,059.80
26 05 19 16-0784			MLF 2 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,079.62 252.76	505.92
26 05 19 16-0785			MLF 3 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,247.36 282.76	565.52
26 05 19 16-0786			MLF 4 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,452.01 325.53	651.06
26 05 19 16-0787			MLF 5 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,639.36 354.64	709.27
26 05 19 16-0788			MLF 7 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,067.12 432.16	864.32
26 05 19 16-0789			MLF 9 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,363.09 475.22	950.45
26 05 19 16-0790			MLF 12 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,816.01 539.97	1,079.95
26 05 19 16-0791			MLF 15 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	3,565.98 659.97	1,319.93
26 05 19 16-0792			MLF 19 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	4,082.09 719.96	1,439.93
26 05 19 16-0793			MLF 25 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	4,857.31 742.54	1,485.08
26 05 19 16-0794			MLF 30 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	5,953.94 927.58	1,855.15
26 05 19 16-0795			MLF 37 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	7,147.45 1,084.10	2,168.21
26 05 19 16-0796			MLF 2 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,168.05 264.05	528.09
26 05 19 16-0797			MLF 3 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,390.85 297.02	594.03
26 05 19 16-0798			MLF 4 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,628.38 339.49	678.98
26 05 19 16-0799			MLF 5 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,828.41 365.63	731.25
26 05 19 16-0800			MLF 7 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,425.40 448.19	896.39
26 05 19 16-0801			MLF 9 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,790.70 495.12	990.05
26 05 19 16-0802			MLF 12 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	3,410.80 552.45	1,104.90
26 05 19 16-0803			MLF 15 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	4,074.03 659.97	1,319.74
26 05 19 16-0804			MLF 19 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	6,800.36 766.60	1,533.59
26 05 19 16-0805			MLF 25 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	6,082.42 896.69	1,792.98
26 05 19 16-0806			MLF 30 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	7,060.06 1,001.83	2,003.66
26 05 19 16-0807			MLF 37 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	8,496.68 1,170.83	2,341.66
26 05 19 16-0808			MLF 2 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,354.61 282.76	565.52
26 05 19 16-0809			MLF 3 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,612.66 312.76	625.71
26 05 19 16-0810			MLF 4 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,956.37 359.98	719.97
26 05 19 16-0811			MLF 5 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,208.59 383.15	766.30
26 05 19 16-0812			MLF 7 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,900.08 456.81	913.62
26 05 19 16-0813			MLF 9 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	3,572.44 539.97	1,079.95
26 05 19 16-0814			MLF 12 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	4,333.75 609.18	1,218.35
26 05 19 16-0815			MLF 15 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	5,152.09 698.88	1,397.75
26 05 19 16-0816			MLF 19 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	6,083.91 792.14	1,584.28
26 05 19 16-0817			MLF 25 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	7,771.34 925.80	1,851.59
26 05 19 16-0818			MLF 30 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	9,001.64 1,082.02	2,164.05

Table with columns: MINOR, CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Lists electrical work items like 'MLF 37 Conductor #12 AWG, Stranded, Type TC Control Cable' with associated costs.

26 05 19 16-0832 Single Conductor Installed On Poles (26 05 19 16-0011)

26 05 19 16-0833 Bare Stranded Conductor (26 05 19 16-0832)

Table listing various bare stranded conductor items such as 'MLF #12 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles' with costs.

26 05 19 16-0850 Insulated Stranded Conductor (26 05 19 16-0832)

Table listing various insulated stranded conductor items such as 'MLF #12 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles' with costs.

26 05 19 16-0867 Bare Solid Conductor (26 05 19 16-0832)

Table listing various bare solid conductor items such as 'MLF #12 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles' with costs.

26 05 23 Control-Voltage Electrical Power Cables (26 05)

26 05 23 00-0001 Cable For HVAC System Controls (26 05 23)

26 05 23 00-0002 Low Voltage Thermostat Cable To 300 Volt (26 05 23 00-0001)

Note: For surface or conduit installation.

Table listing thermostat cable items like 'MLF #20/2 Conductor, Low Volt Thermostat Cable' with costs.

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 23 00-0008 MLF #20/7 Conductor, Low Volt Thermostat Cable.....	819.16	159.84
26 05 23 00-0009 MLF #20/8 Conductor, Low Volt Thermostat Cable.....	886.89	166.23
26 05 23 00-0010 MLF #20/9 Conductor, Low Volt Thermostat Cable.....	967.68	172.86
26 05 23 00-0011 MLF #20/10 Conductor, Low Volt Thermostat Cable.....	1,046.07	178.05
26 05 23 00-0012 MLF #18/2 Conductor, Low Volt Thermostat Cable.....	503.90	126.23
26 05 23 00-0013 MLF #18/3 Conductor, Low Volt Thermostat Cable.....	611.90	132.97
26 05 23 00-0014 MLF #18/4 Conductor, Low Volt Thermostat Cable.....	706.87	140.59
26 05 23 00-0015 MLF #18/5 Conductor, Low Volt Thermostat Cable.....	758.89	146.53
26 05 23 00-0016 MLF #18/6 Conductor, Low Volt Thermostat Cable.....	848.85	153.46
26 05 23 00-0017 MLF #18/7 Conductor, Low Volt Thermostat Cable.....	868.96	159.84
26 05 23 00-0018 MLF #18/8 Conductor, Low Volt Thermostat Cable.....	962.88	166.23
26 05 23 00-0019 MLF #18/9 Conductor, Low Volt Thermostat Cable.....	1,150.01	172.86
26 05 23 00-0020 MLF #18/10 Conductor, Low Volt Thermostat Cable.....	1,270.95	178.05

**26 05 26 Grounding and Bonding for Electrical Systems (26 05)**

**26 05 26 00-0001 Conductors, Straps And Conduit Jumpers (26 05 26)**

**26 05 26 00-0002 Single Conductor (26 05 26 00-0001)**

**26 05 26 00-0003 Copper Bare Stranded Conductors (26 05 26 00-0002)**

26 05 26 00-0004 MLF 12 AWG Copper Bare Single Stranded Conductor.....	601.99	203.43
26 05 26 00-0005 MLF 10 AWG Copper Bare Single Stranded Conductor.....	820.41	203.43
26 05 26 00-0006 MLF 8 AWG Copper Bare Single Stranded Conductor.....	1,039.65	245.06
26 05 26 00-0007 MLF 6 AWG Copper Bare Single Stranded Conductor.....	1,479.71	245.06
26 05 26 00-0008 MLF 4 AWG Copper Bare Single Stranded Conductor.....	2,030.22	295.91
26 05 26 00-0009 MLF 2 AWG Copper Bare Single Stranded Conductor.....	3,270.70	295.91
26 05 26 00-0010 MLF 1 AWG Copper Bare Single Stranded Conductor.....	3,805.68	356.02
26 05 26 00-0011 MLF 1/0 AWG Copper Bare Single Stranded Conductor.....	4,471.06	356.02
26 05 26 00-0012 MLF 2/0 AWG Copper Bare Single Stranded Conductor.....	6,335.95	448.49
26 05 26 00-0013 MLF 3/0 AWG Copper Bare Single Stranded Conductor.....	7,846.48	448.49
26 05 26 00-0014 MLF 4/0 AWG Copper Bare Single Stranded Conductor.....	8,279.07	596.45
26 05 26 00-0015 MLF 250 MCM Copper Bare Single Stranded Conductor.....	10,708.68	596.45
26 05 26 00-0016 MLF 300 MCM Copper Bare Single Stranded Conductor.....	10,712.61	688.92
26 05 26 00-0017 MLF 350 MCM Copper Bare Single Stranded Conductor.....	14,559.58	688.92
26 05 26 00-0018 MLF 500 MCM Copper Bare Single Stranded Conductor.....	19,954.06	850.74

**26 05 26 00-0019 Copper Insulated Single Stranded Conductors (26 05 26 00-0002)**

26 05 26 00-0020 MLF 12 AWG Copper Insulated Single Stranded Conductor.....	1,215.60	277.42
26 05 26 00-0021 MLF 10 AWG Copper Insulated Single Stranded Conductor.....	1,269.61	277.42
26 05 26 00-0022 MLF 8 AWG Copper Insulated Single Stranded Conductor.....	1,651.65	277.42
26 05 26 00-0023 MLF 6 AWG Copper Insulated Single Stranded Conductor.....	1,850.63	480.85
26 05 26 00-0024 MLF 4 AWG Copper Insulated Single Stranded Conductor.....	2,549.73	480.85
26 05 26 00-0025 MLF 2 AWG Copper Insulated Single Stranded Conductor.....	3,663.45	480.85
26 05 26 00-0026 MLF 1 AWG Copper Insulated Single Stranded Conductor.....	4,461.29	841.49
26 05 26 00-0027 MLF 1/0 AWG Copper Insulated Single Stranded Conductor.....	5,476.27	841.49
26 05 26 00-0028 MLF 2/0 AWG Copper Insulated Single Stranded Conductor.....	6,470.16	841.49
26 05 26 00-0029 MLF 3/0 AWG Copper Insulated Single Stranded Conductor.....	7,769.51	841.49
26 05 26 00-0030 MLF 4/0 AWG Copper Insulated Single Stranded Conductor.....	9,217.63	1,100.41
26 05 26 00-0031 MLF 250 MCM Copper Insulated Single Stranded Conductor.....	11,226.59	1,100.41
26 05 26 00-0032 MLF 300 MCM Copper Insulated Single Stranded Conductor.....	13,133.88	1,100.41
26 05 26 00-0033 MLF 350 MCM Copper Insulated Single Stranded Conductor.....	15,244.77	1,710.73
26 05 26 00-0034 MLF 500 MCM Copper Insulated Single Stranded Conductor.....	20,067.85	1,710.73

**26 05 26 00-0035 Copper Bare Single Solid Conductors (26 05 26 00-0002)**

26 05 26 00-0036 MLF 12 AWG Copper Bare Single Solid Conductor.....	601.99	203.43
26 05 26 00-0037 MLF 10 AWG Copper Bare Single Solid Conductor.....	820.41	203.43
26 05 26 00-0038 MLF 8 AWG Copper Bare Single Solid Conductor.....	1,039.65	245.06
26 05 26 00-0039 MLF 6 AWG Copper Bare Single Solid Conductor.....	1,479.71	245.06
26 05 26 00-0040 MLF 4 AWG Copper Bare Single Solid Conductor.....	2,030.22	295.91
26 05 26 00-0041 MLF 2 AWG Copper Bare Single Solid Conductor.....	3,270.70	295.91
26 05 26 00-0042 MLF 1/0 AWG Copper Bare Single Solid Conductor.....	4,471.06	356.02
26 05 26 00-0043 MLF 4/0 AWG Copper Bare Single Solid Conductor.....	8,279.07	471.60

**26 05 26 00-0044 Aluminum Bare Single Stranded Conductors (26 05 26 00-0002)**

26 05 26 00-0045 MLF 8 AWG Aluminum Bare Single Stranded Conductor.....	531.48	245.06
26 05 26 00-0046 MLF 6 AWG Aluminum Bare Single Stranded Conductor.....	573.04	245.06
26 05 26 00-0047 MLF 4 AWG Aluminum Bare Single Stranded Conductor.....	636.64	295.91
26 05 26 00-0048 MLF 2 AWG Aluminum Bare Single Stranded Conductor.....	762.32	295.91
26 05 26 00-0049 MLF 1 AWG Aluminum Bare Single Stranded Conductor.....	844.06	356.02
26 05 26 00-0050 MLF 1/0 AWG Aluminum Bare Single Stranded Conductor.....	966.20	356.02
26 05 26 00-0051 MLF 2/0 AWG Aluminum Bare Single Stranded Conductor.....	1,094.18	448.49
26 05 26 00-0052 MLF 3/0 AWG Aluminum Bare Single Stranded Conductor.....	1,238.22	448.49
26 05 26 00-0053 MLF 4/0 AWG Aluminum Bare Single Stranded Conductor.....	1,481.88	596.45
26 05 26 00-0054 MLF 250 MCM Aluminum Bare Single Stranded Conductor.....	1,634.42	596.45
26 05 26 00-0055 MLF 300 MCM Aluminum Bare Single Stranded Conductor.....	1,862.81	688.92
26 05 26 00-0056 MLF 350 MCM Aluminum Bare Single Stranded Conductor.....	2,063.94	688.92
26 05 26 00-0057 MLF 500 MCM Aluminum Bare Single Stranded Conductor.....	2,447.87	850.74

**26 05 26 00-0058 Aluminum Bare Single Solid Conductors (26 05 26 00-0002)**

**26 Electrical****26 05 Common Work Results for Electrical****26 05 26 Grounding and Bonding for Electrical Systems**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 05 26 00-0059	MLF	8 AWG Aluminum Bare Single Solid Conductor .....	531.48	245.06
26 05 26 00-0060	MLF	6 AWG Aluminum Bare Single Solid Conductor .....	573.04	245.06
26 05 26 00-0061	MLF	4 AWG Aluminum Bare Single Solid Conductor .....	636.64	295.91
26 05 26 00-0062	MLF	2 AWG Aluminum Bare Single Solid Conductor .....	762.32	295.91
26 05 26 00-0063	MLF	1 AWG Aluminum Bare Single Solid Conductor .....	806.74	471.60
26 05 26 00-0064	MLF	1/0 AWG Aluminum Bare Single Solid Conductor.....	966.20	471.60
26 05 26 00-0065	MLF	2/0 AWG Aluminum Bare Single Solid Conductor.....	1,001.73	448.49
26 05 26 00-0066	MLF	3/0 AWG Aluminum Bare Single Solid Conductor.....	1,052.07	448.49
26 05 26 00-0067	MLF	4/0 AWG Aluminum Bare Single Solid Conductor.....	1,481.88	596.45
26 05 26 00-0068	MLF	250 MCM Aluminum Bare Single Solid Conductor.....	1,634.42	596.45
26 05 26 00-0069	MLF	300 MCM Aluminum Bare Single Solid Conductor.....	1,862.81	688.92
26 05 26 00-0070	MLF	350 MCM Aluminum Bare Single Solid Conductor.....	2,063.94	688.92
26 05 26 00-0071	MLF	500 MCM Aluminum Bare Single Solid Conductor.....	2,447.87	850.74
<b>26 05 26 00-0072 Aluminum Smooth Woven Conductors (26 05 26 00-0002)</b>				
26 05 26 00-0073	LF	10 Strand x 14 AWG Smooth Weave Aluminum Conductor .....	2.53	0.75
26 05 26 00-0074	LF	16 Strand x 14 AWG Smooth Weave Aluminum Conductor .....	2.80	0.82
26 05 26 00-0075	LF	24 Strand x 14 AWG Smooth Weave Aluminum Conductor .....	3.33	0.94
26 05 26 00-0076	LF	26 Strand x 14 AWG Smooth Weave Aluminum Conductor .....	3.35	0.96
26 05 26 00-0077	LF	28 Strand x 14 AWG Smooth Weave Aluminum Conductor .....	3.51	1.01
<b>26 05 26 00-0078 Copper Flexible Braid Connector Jumper Strap (26 05 26 00-0001)</b>				
Note: Manufactured from flat extra flexible tinned braid. Ferrules are tin plated pure electrolytic copper with 2 holes, on each end.				
26 05 26 00-0079	EA	100 Amperes, Copper Flexible Braid Jumper Strap, 12" Length.....	128.01	27.10
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add			16.25	
26 05 26 00-0080	EA	225 Amperes, Copper Flexible Braid Jumper Strap, 12" Length.....	221.92	32.51
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add			19.51	
26 05 26 00-0081	EA	225 Amperes, Copper Flexible Braid Jumper Strap, 18" Length.....	284.74	32.51
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add			19.51	
26 05 26 00-0082	EA	225 Amperes, Copper Flexible Braid Jumper Strap, 24" Length.....	346.70	32.51
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add			19.51	
26 05 26 00-0083	EA	400 Amperes, Copper Flexible Braid Jumper Strap, 12" Length.....	299.00	35.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add			24.38	
26 05 26 00-0084	EA	400 Amperes, Copper Flexible Braid Jumper Strap, 18" Length.....	389.37	35.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add			24.38	
26 05 26 00-0085	EA	400 Amperes, Copper Flexible Braid Jumper Strap, 24" Length.....	467.89	35.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add			24.38	
26 05 26 00-0086	EA	600 Amperes, Copper Flexible Braid Jumper Strap, 12" Length.....	389.79	44.70
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add			26.82	
26 05 26 00-0087	EA	800 Amperes, Copper Flexible Braid Jumper Strap, 12" Length.....	468.72	54.18
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add			32.51	
<b>26 05 26 00-0088 Bonding Jumper For Metallic Conduit (26 05 26 00-0001)</b>				
26 05 26 00-0089	EA	1/2" To 1" Conductor, Bonding Jumper, Metallic Conduit.....	169.24	59.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add			33.87	
26 05 26 00-0090	EA	1-1/4" To 2" Conductor, Bonding Jumper, Metallic Conduit.....	208.50	59.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add			41.68	
26 05 26 00-0091	EA	2-1/2" To 4" Conductor, Bonding Jumper, Metallic Conduit.....	307.07	92.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add			49.26	
26 05 26 00-0092	EA	5" To 6" Conductor, Bonding Jumper, Metallic Conduit.....	455.63	92.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add			60.21	
<b>26 05 26 00-0093 Ground Rods (26 05 26)</b>				
<b>26 05 26 00-0094 Copper-Clad Ground Rods (26 05 26 00-0093)</b>				
26 05 26 00-0095	EA	1/2" Diameter x 8' Long Copper-Clad Ground Rods .....	90.91	81.28
26 05 26 00-0096	EA	5/8" Diameter x 8' Long Copper-Clad Ground Rods .....	94.57	81.28
26 05 26 00-0097	EA	3/4" Diameter x 8' Long Copper-Clad Ground Rods .....	109.33	81.28
26 05 26 00-0098	EA	1/2" Diameter x 10' Long Copper-Clad Ground Rods .....	106.88	81.28
26 05 26 00-0099	EA	5/8" Diameter x 10' Long Copper-Clad Ground Rods .....	111.45	81.28
26 05 26 00-0100	EA	3/4" Diameter x 10' Long Copper-Clad Ground Rods .....	129.90	81.28
<b>26 05 26 00-0101 Copper Grounding Shaft (26 05 26 00-0093)</b>				
26 05 26 00-0102	EA	2-1/8" Diameter x 10' Long Copper Grounding Shaft.....	274.90	81.28
26 05 26 00-0103	EA	2-1/8" Diameter "L" Shaped; 3' Riser x 10' Horizontal Copper Grounding Shaft.....	340.03	81.28
26 05 26 00-0104	EA	2-1/8" Diameter "L" Shaped; 3' Riser x 20' Horizontal Copper Grounding Shaft.....	517.39	81.28
<b>26 05 26 00-0105 Ground Access Wells (26 05 26 00-0093)</b>				
<b>26 05 26 00-0106 Precast Ground Access Wells (26 05 26 00-0105)</b>				
26 05 26 00-0107	EA	8" Diameter x 24" Deep Precast Ground Access Well .....	239.80	
Note: With cast iron grate.				
26 05 26 00-0108	EA	10" Diameter x 24" Deep Precast Ground Access Well .....	249.08	
Note: With cast iron grate.				
26 05 26 00-0109	EA	12" Diameter x 24" Deep Precast Ground Access Well .....	708.98	
Note: With cast iron grate.				
26 05 26 00-0110	EA	18" Diameter x 24" Deep Precast Ground Access Well .....	718.26	
Note: With cast iron grate.				

	MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
	CSI		UNIT COST	UNIT COST

<b>26 05 26 00-0111</b>		<b>Polyvinyl Chloride (PVC) Ground Access Well</b> <small>(26 05 26 00-0105)</small>		
26 05 26 00-0112	EA	10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well ..... Note: Schedule 40 with cast iron grated cover.	446.88	
26 05 26 00-0113	EA	12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well ..... Note: Schedule 40 with cast iron grated cover.	524.76	
26 05 26 00-0114	EA	18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well ..... Note: Schedule 40 with cast iron grated cover.	971.93	
26 05 26 00-0115	EA	10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well ..... Note: Schedule 40 with flat steel cover.	427.28	
26 05 26 00-0116	EA	12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well ..... Note: Schedule 40 with flat steel cover.	500.71	
26 05 26 00-0117	EA	18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well ..... Note: Schedule 40 with flat steel cover.	932.23	
26 05 26 00-0118	EA	8" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well..... Note: Schedule 40 with flat steel cover.	240.52	
26 05 26 00-0119	EA	10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well..... Note: Schedule 40 with flat steel cover.	257.27	
26 05 26 00-0120	EA	12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well..... Note: Schedule 40 with flat steel cover.	271.74	
26 05 26 00-0121	EA	8" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover.....	185.68	
26 05 26 00-0122	EA	10" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover.....	273.08	
26 05 26 00-0123	EA	8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well..... Note: Schedule 40 with flat steel cover.	479.70	
26 05 26 00-0124	EA	10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well..... Note: Schedule 40 with flat steel cover.	636.30	
26 05 26 00-0125	EA	8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well..... Note: Schedule 40 with plastic cover.	386.83	
26 05 26 00-0126	EA	10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well..... Note: Schedule 40 with plastic cover.	560.40	
26 05 26 00-0127	EA	10" Diameter x 36" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well..... Note: With cast iron grate, heavy duty.	592.11	
26 05 26 00-0128	EA	10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well..... Note: With cast iron grate, heavy duty.	721.24	
26 05 26 00-0129	EA	12" Diameter x 12" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well..... Note: With cast iron grate, heavy duty.	320.67	
26 05 26 00-0130	EA	12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well..... Note: With cast iron grate, heavy duty.	557.92	
26 05 26 00-0131	EA	12" Diameter x 30" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well..... Note: With cast iron grate, heavy duty.	600.46	

<b>26 05 26 00-0132</b>		<b>Polymer Concrete Ground Access Well</b> <small>(26 05 26 00-0105)</small>		
26 05 26 00-0133	EA	12" x 12" x 12" Polymer Concrete Ground Access Well .....	448.27	
26 05 26 00-0134	EA	12" x 12" x 12" Heavy Duty Polymer Concrete Ground Access Well .....	491.35	
26 05 26 00-0135	EA	12" x 12" x 18" Polymer Concrete Ground Access Well .....	493.67	
26 05 26 00-0136	EA	12" x 12" x 18" Heavy Duty Polymer Concrete Ground Access Well .....	541.05	
26 05 26 00-0137	EA	12" x 12" x 24" Polymer Concrete Ground Access Well .....	540.80	
26 05 26 00-0138	EA	12" x 12" x 24" Heavy Duty Polymer Concrete Ground Access Well .....	592.89	
26 05 26 00-0139	EA	13" x 24" x 18" Polymer Concrete Ground Access Well .....	720.00	
26 05 26 00-0140	EA	13" x 24" x 18" Heavy Duty Polymer Concrete Ground Access Well .....	790.97	

<b>26 05 26 00-0141</b>		<b>High Density Polyethylene (HDPE) Ground Access Well</b> <small>(26 05 26 00-0105)</small>		
26 05 26 00-0142	EA	9" Diameter x 10" Deep High Density Polyethylene (HDPE) Ground Access Well..... Note: With cover.	165.65	
26 05 26 00-0143	EA	14" Diameter x 18" Deep High Density Polyethylene (HDPE) Ground Access Well..... Note: With cover.	230.30	

<b>26 05 26 00-0144</b>		<b>Clay Tile Ground Access Wells</b> <small>(26 05 26 00-0105)</small>		
26 05 26 00-0145	EA	8" Diameter x 24" Deep Clay Tile Ground Access Well With Concrete Cover.....	261.35	
26 05 26 00-0146	EA	8" Diameter x 24" Deep Clay Tile Ground Access Well With Cast Iron Grated Cover.....	274.48	
26 05 26 00-0147	EA	Concrete Cover For 8" Diameter x 24" Deep Clay Tile Ground Access Well.....	82.37	

**26 05 26 00-0148**      **Ground Rod Clamps And Fittings** (26 05 26)

<b>26 05 26 00-0149</b>		<b>Bronze Ground Rod Clamp</b> <small>(26 05 26 00-0148)</small>		
26 05 26 00-0150	EA	1/2" Bronze Ground Rod Clamp .....	21.43	12.25
26 05 26 00-0151	EA	5/8" Bronze Ground Rod Clamp .....	22.35	12.25
26 05 26 00-0152	EA	3/4" Bronze Ground Rod Clamp .....	23.67	12.25

**26 05 26 00-0153**      **Bronze Pipe Clamps** (26 05 26 00-0148)

26 05 26 00-0154	EA	1/2" To 1" Bronze Pipe Ground Clamps.....	29.87	20.37
26 05 26 00-0155	EA	1-1/4" To 2" Bronze Ground Clamps For Pipe.....	38.65	24.38
26 05 26 00-0156	EA	2-1/2" To 3" Bronze Ground Clamps For Pipe.....	61.00	28.50
26 05 26 00-0157	EA	2-1/2" To 4" Bronze Ground Clamps For Pipe.....	73.81	36.63
26 05 26 00-0158	EA	4" To 6" Bronze Ground Clamps For Pipe.....	114.39	52.89

**26 05 26 00-0159**      **Grounding Fittings** (26 05 26 00-0148)

**26 05 26 00-0160**      **Embedded Fittings** (26 05 26 00-0159)

26 05 26 00-0161	EA	Ground Insert With Two 3/8 x 16 Holes #2 To 250 MCM Cable Range, Embedded .....	144.24	
26 05 26 00-0162	EA	Ground Insert With Four 3/8 x 16 Holes #2 To 250 MCM Cable Range, Embedded.....	152.60	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 26 Grounding and Bonding for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 05 26 00-0163	EA	Ground Insert With Four 3/8 x 16 Holes 250 To 500 MCM Cable Range, Embedded.....	167.42		
26 05 26 00-0164	EA	#8 To 1 AWG, Copper To Aluminum, Grounding Wire Splice.....	142.72		
26 05 26 00-0165	EA	1/0 To 3/0 AWG, Copper To Aluminum, Grounding Wire Splice.....	171.04		
26 05 26 00-0166	EA	4/0 To 300 MCM, Copper To Aluminum, Grounding Wire Splice.....	200.55		
26 05 26 00-0167	EA	350 To 500 MCM, Copper To Aluminum, Grounding Wire Splice.....	225.85		
<b>26 05 26 00-0168</b>		<b>Ground Rod Receptacle</b> (26 05 26 00-0159)			
26 05 26 00-0169	EA	1/2" Ground Rod Receptacle.....	310.60		112.71
26 05 26 00-0170	EA	5/8" Ground Rod Receptacle.....	324.29		115.89
26 05 26 00-0171	EA	3/4" Ground Rod Receptacle.....	338.32		119.03
<b>26 05 26 00-0172</b>		<b>Ground Kits For Circuit Breaker Panels</b> (26 05 26 00-0159)			
26 05 26 00-0173	EA	14-8 AWG Copper Ground Kit.....	69.92		27.10
26 05 26 00-0174	EA	12-8 AWG Aluminum Ground Kit.....	69.58		27.10
26 05 26 00-0175	EA	14-4 AWG Copper Ground Kit.....	76.94		27.10
26 05 26 00-0176	EA	12-4 AWG Aluminum Ground Kit.....	80.36		27.10
<b>26 05 26 00-0177</b>		<b>Insulated Grounding Bars</b> (26 05 26 00-0148)			
26 05 26 00-0178	EA	1/2" x 4" x 10" Insulated Ground Bar.....	286.15		27.20
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.77		
26 05 26 00-0179	EA	Insulated Ground Bar SK 9560 1/2" x 4" x 20".....	299.72		27.20
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.77		
<b>26 05 26 00-0180</b>		<b>Ground Conductor Bonding</b> (26 05 26)			
<b>26 05 26 00-0181</b>		<b>Ground Conductor Bonding</b> (26 05 26 00-0180)			
<b>26 05 26 00-0182</b>		<b>Splice, Lug, Ground Rod, Rebar Or Structural Steel Cadweld</b> (26 05 26 00-0181)			
26 05 26 00-0183	EA	Up To #6 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel.....	124.42		
		Note: Includes molds, materials and all necessary tools to make connections.			
26 05 26 00-0184	EA	#4 To #1 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel.....	135.25		
		Note: Includes molds, materials and all necessary tools to make connections.			
26 05 26 00-0185	EA	1/0 To 4/0 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel.....	146.09		
		Note: Includes molds, materials and all necessary tools to make connections.			
26 05 26 00-0186	EA	250 To 1,000 MCM AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel.....	211.11		
		Note: Includes molds, materials and all necessary tools to make connections.			
<b>26 05 26 00-0187</b>		<b>Tee, Wye Or Cross Cadweld</b> (26 05 26 00-0181)			
26 05 26 00-0188	EA	Up To #6 AWG Cadweld Connection For Tee, Wye Or Cross.....	140.67		
		Note: Includes molds, materials and all necessary tools to make connections.			
26 05 26 00-0189	EA	#4 To #1 AWG Cadweld Connection For Tee, Wye Or Cross.....	162.34		
		Note: Includes molds, materials and all necessary tools to make connections.			
26 05 26 00-0190	EA	1/0 To 4/0 AWG Cadweld Connection For Tee, Wye Or Cross.....	200.28		
		Note: Includes molds, materials and all necessary tools to make connections.			
26 05 26 00-0191	EA	250 To 1,000 MCM AWG Cadweld Connection For Tee, Wye Or Cross.....	243.62		
		Note: Includes molds, materials and all necessary tools to make connections.			
<b>26 05 26 00-0192</b>		<b>Grounding Equipment</b> (26 05 26)			
<b>26 05 26 00-0193</b>		<b>Special Grounding Equipment</b> (26 05 26 00-0192)			
<b>26 05 26 00-0194</b>		<b>Ground Reels And Ground Bus</b> (26 05 26 00-0193)			
26 05 26 00-0195	EA	Ground Reel With 50' Of Galvanized Steel Cable.....	646.89		
<b>26 05 26 00-0196</b>		<b>Copper Bars</b> (26 05 26 00-0193)			
26 05 26 00-0197	LF	1/4" x 2" Copper Bar.....	37.75		
<b>26 05 26 00-0198</b>		<b>Phenolic Insulators</b> (26 05 26 00-0193)			
26 05 26 00-0199	EA	2" x 2" x 1" Long Phenolic Insulators.....	27.97		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.50		
<b>26 05 26 00-0200</b>		<b>Grounding Studs</b> (26 05 26 00-0193)			
26 05 26 00-0201	EA	Ball Grounding Stud.....	40.58		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.71		
<b>26 05 26 00-0202</b>		<b>Equipment Ground Bar Kits</b> (26 05 26 00-0193)			
26 05 26 00-0203	EA	Switch Rating 30 Ground Bar Kit.....	31.11		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.50		
26 05 26 00-0204	EA	Switch Rating 60 Ground Bar Kit.....	39.39		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.15		
26 05 26 00-0205	EA	Switch Rating 100 Ground Bar Kit.....	45.84		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.13		
26 05 26 00-0206	EA	Switch Rating 200 Ground Bar Kit.....	78.13		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.75		



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>26 05 26 00-0207</b>	<b>Panelboard Ground Bar Kits</b> <small>(26 05 26 00-0193)</small>		
26 05 26 00-0208	EA Panelboard Ground Bar Kit.....	111.36	8.13
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.13	

<b>26 05 26 00-0209</b>	<b>Circuit Breaker Ground Bar Kits</b> <small>(26 05 26 00-0193)</small>		
26 05 26 00-0210	EA 3 Circuit, Ground Bar Kit.....	25.70	4.87
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.88	
26 05 26 00-0211	EA 4 Circuit, Ground Bar Kit.....	25.27	4.87
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.88	
26 05 26 00-0212	EA 7 Circuit, Ground Bar Kit.....	25.99	4.87
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.88	
26 05 26 00-0213	EA 12 Circuit, Ground Bar Kit.....	29.47	5.52
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.53	
26 05 26 00-0214	EA 20 Circuit, Ground Bar Kit.....	33.52	6.18
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.18	
26 05 26 00-0215	EA 24 Circuit, Ground Bar Kit.....	37.00	6.83
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.83	
26 05 26 00-0216	EA 30 Circuit, Ground Bar Kit.....	41.41	7.80
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.80	
26 05 26 00-0217	EA 54 Circuit, Ground Bar Kit.....	47.93	9.10
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.11	
26 05 26 00-0218	EA 24 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug.....	51.67	6.83
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.83	
26 05 26 00-0219	EA 30 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug.....	57.25	7.80
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.80	
26 05 26 00-0220	EA 54 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug.....	63.91	9.10
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.11	

**26 05 29 Hangers and Supports for Electrical Systems** (26 05)

<b>26 05 29 00-0001</b>	<b>Metal Framing Channel And Fittings</b> <small>(26 05 29)</small>		
<b>26 05 29 00-0002</b>	<b>Metal Framing Channel</b> <small>(26 05 29 00-0001)</small>		
	Note: Excludes fasteners and accessories.		

<b>26 05 29 00-0003</b>	<b>14 Gauge Metal Framing Channels</b> <small>(26 05 29 00-0002)</small>		
<b>26 05 29 00-0004</b>	<b>14 Gauge, Steel Unistrut Channel</b> <small>(26 05 29 00-0003)</small>		
26 05 29 00-0005	EA Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel.....	18.77	5.94
26 05 29 00-0006	EA >1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel.....	20.70	5.94
26 05 29 00-0007	LF >2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel.....	9.37	2.24

<b>26 05 29 00-0008</b>	<b>14 Gauge, 304 Stainless Steel Unistrut Channel</b> <small>(26 05 29 00-0003)</small>		
26 05 29 00-0009	EA Up To 1' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	36.77	5.94
26 05 29 00-0010	EA Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	40.97	5.94
26 05 29 00-0011	EA >1' To 2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	56.70	5.94
26 05 29 00-0012	EA >1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	65.12	5.94
26 05 29 00-0013	LF >2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	27.37	2.24
26 05 29 00-0014	LF >2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	31.57	2.24

<b>26 05 29 00-0015</b>	<b>14 Gauge, 316 Stainless Steel Unistrut Channel</b> <small>(26 05 29 00-0003)</small>		
26 05 29 00-0016	EA Up To 1' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel.....	54.92	5.94
26 05 29 00-0017	EA >1' To 2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel.....	93.02	5.94
26 05 29 00-0018	LF >2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel.....	45.52	2.24

<b>26 05 29 00-0019</b>	<b>12 Gauge Metal Framing Channels</b> <small>(26 05 29 00-0002)</small>		
<b>26 05 29 00-0020</b>	<b>12 Gauge, Steel Unistrut Channel</b> <small>(26 05 29 00-0019)</small>		
26 05 29 00-0021	EA Up To 1' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel.....	19.96	5.94
26 05 29 00-0022	EA Up To 1' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel.....	19.56	5.94
26 05 29 00-0023	EA Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel.....	19.29	5.94
26 05 29 00-0024	EA >1' To 2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel.....	23.09	5.94
26 05 29 00-0025	EA >1' To 2' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel.....	22.28	5.94
26 05 29 00-0026	EA >1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel.....	21.76	5.94
26 05 29 00-0027	LF >2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel.....	10.56	2.24
26 05 29 00-0028	LF >2' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel.....	10.16	2.24
26 05 29 00-0029	LF >2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel.....	9.89	2.24

<b>26 05 29 00-0030</b>	<b>12 Gauge, 304 Stainless Steel Unistrut Channel</b> <small>(26 05 29 00-0019)</small>		
26 05 29 00-0031	EA Up To 1' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	42.36	5.94
26 05 29 00-0032	EA Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	49.62	5.94
26 05 29 00-0033	EA >1' To 2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	67.90	5.94
26 05 29 00-0034	EA >1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	82.41	5.94
26 05 29 00-0035	LF >2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	32.96	2.24
26 05 29 00-0036	LF >2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	40.22	2.24

<b>26 05 29 00-0037</b>	<b>Metal Framing Channel Fittings</b> <small>(26 05 29 00-0001)</small>		
<b>26 05 29 00-0038</b>	<b>Unistrut Channel Closure Strips And Caps</b> <small>(26 05 29 00-0037)</small>		

**26 Electrical****26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 05 29 00-0039		Steel Unistrut Channel Closure Strips And Caps <small>(26 05 29 00-0038)</small>		
26 05 29 00-0040	LF	Steel Raceway Closure Strip, Unistrut Channel Fittings .....	5.17	0.54
26 05 29 00-0041	EA	Steel End Cap, Unistrut Channel Fittings.....	12.47	5.43
26 05 29 00-0042		Stainless Steel Unistrut Channel Closure Strips And Caps <small>(26 05 29 00-0038)</small>		
26 05 29 00-0043	EA	Stainless Steel End Cap For Unistrut Channel .....	21.72	5.43
26 05 29 00-0044		Flat Splice Plate, Unistrut Channel Fittings <small>(26 05 29 00-0037)</small>		
26 05 29 00-0045		Steel Flat Splice Plate, Unistrut Channel Fittings <small>(26 05 29 00-0044)</small>		
26 05 29 00-0046	EA	2-Hole, 3-1/4" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting.....	5.29	
26 05 29 00-0047	EA	3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting.....	5.26	
26 05 29 00-0048	EA	4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting.....	6.31	
26 05 29 00-0049		Stainless Steel Flat Splice Plate, Unistrut Channel Fittings <small>(26 05 29 00-0044)</small>		
26 05 29 00-0050	EA	2-Hole, 3-1/2" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting .....	19.83	
26 05 29 00-0051	EA	3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting .....	29.69	
26 05 29 00-0052	EA	4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting .....	38.04	
26 05 29 00-0053		90 Degree Angle, Unistrut Channel Fittings <small>(26 05 29 00-0037)</small>		
26 05 29 00-0054		Steel 90 Degree Angle, Unistrut Channel Fittings <small>(26 05 29 00-0053)</small>		
26 05 29 00-0055	EA	2-Hole, 1-7/8" x 2", 90 Degree Angle, Steel, Unistrut Channel Fitting.....	5.13	
26 05 29 00-0056	EA	2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, Steel, Unistrut Channel Fitting .....	4.36	
26 05 29 00-0057	EA	3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, Steel, Unistrut Channel Fitting .....	7.24	
26 05 29 00-0058	EA	3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, Steel, Unistrut Channel Fitting .....	7.15	
26 05 29 00-0059		Stainless Steel 90 Degree Angle, Unistrut Channel Fittings <small>(26 05 29 00-0053)</small>		
26 05 29 00-0060	EA	2-Hole, 1-7/8" x 2", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting .....	11.18	
26 05 29 00-0061	EA	2-Hole, 1-7/8" x 2", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting .....	14.08	
26 05 29 00-0062	EA	2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting .....	11.88	
26 05 29 00-0063	EA	2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting .....	17.04	
26 05 29 00-0064	EA	3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting .....	15.54	
26 05 29 00-0065	EA	3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting .....	29.01	
26 05 29 00-0066	EA	3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting.....	16.36	
26 05 29 00-0067	EA	3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting.....	23.90	
26 05 29 00-0068		60 Degree Angle, Unistrut Channel Fittings <small>(26 05 29 00-0037)</small>		
26 05 29 00-0069		Steel 60 Degree Angle, Unistrut Channel Fittings <small>(26 05 29 00-0068)</small>		
26 05 29 00-0070	EA	2-Hole, 1-7/8" x 3-3/8", 60 Degree Angle, Steel, Unistrut Channel Fitting .....	10.20	
26 05 29 00-0071		U-Connector, Unistrut Channel Fittings <small>(26 05 29 00-0037)</small>		
26 05 29 00-0072		Steel, U-Connector, Unistrut Channel Fittings <small>(26 05 29 00-0071)</small>		
26 05 29 00-0073	EA	3-Hole, 1-5/8" x 13/16", U-Connector, Steel, Unistrut Channel Fitting .....	3.85	
26 05 29 00-0074	EA	5-Hole, 1-5/8" x 1-5/8", U-Connector, Steel, Unistrut Channel Fitting .....	4.25	
26 05 29 00-0075		Stainless Steel, U-Connector, Unistrut Channel Fittings <small>(26 05 29 00-0071)</small>		
26 05 29 00-0076	EA	5-Hole, 1-5/8" x 1-5/8", U-Connector, 304 Stainless Steel, Unistrut Channel Fitting.....	23.73	
26 05 29 00-0077		Z-Bracket, Unistrut Channel Fittings <small>(26 05 29 00-0037)</small>		
26 05 29 00-0078		Steel Z-Bracket, Unistrut Channel Fittings <small>(26 05 29 00-0077)</small>		
26 05 29 00-0079	EA	3-Hole, Z-Bracket, Steel, Unistrut Channel Fitting .....	10.45	
26 05 29 00-0080		Stainless Steel Z-Bracket, Unistrut Channel Fittings <small>(26 05 29 00-0077)</small>		
26 05 29 00-0081	EA	3-Hole, Z-Bracket, 304 Stainless Steel, Unistrut Channel Fitting.....	46.53	
26 05 29 00-0082		Standard Pipe And Rigid Conduit Clamps For Unistrut Channel <small>(26 05 29 00-0037)</small>		
Note: Includes hex screw and nut.				
26 05 29 00-0083		Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel <small>(26 05 29 00-0082)</small>		
Note: Includes hex screw and nut.				
26 05 29 00-0084	EA	1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	4.39	1.63
26 05 29 00-0085	EA	3/4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	4.40	1.63
26 05 29 00-0086	EA	1" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	4.49	1.63
26 05 29 00-0087	EA	1-1/4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	5.71	2.17
26 05 29 00-0088	EA	1-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	6.17	2.17
26 05 29 00-0089	EA	2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	6.22	2.17
26 05 29 00-0090	EA	2-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	7.64	2.71
26 05 29 00-0091	EA	3" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	8.05	2.71
26 05 29 00-0092	EA	3-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	8.44	2.71

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 29 00-0093	EA		4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	8.59	2.71
<b>26 05 29 00-0094</b>			<b>304 Stainless Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel</b> <small>(26 05 29 00-0094)</small>		
			Note: Includes hex screw and nut.		
26 05 29 00-0095	EA		1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	8.54	1.63
26 05 29 00-0096	EA		3/4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	9.64	1.63
26 05 29 00-0097	EA		1" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	10.74	1.63
26 05 29 00-0098	EA		1-1/4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	13.28	2.17
26 05 29 00-0099	EA		1-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	16.34	2.17
26 05 29 00-0100	EA		2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	17.14	2.17
26 05 29 00-0101	EA		2-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	20.52	2.71
26 05 29 00-0102	EA		3" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	23.24	2.71
26 05 29 00-0103	EA		3-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	24.41	2.71
26 05 29 00-0104	EA		4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	28.73	2.71
<b>26 05 29 00-0105</b>			<b>316 Stainless Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel</b> <small>(26 05 29 00-0105)</small>		
			Note: Includes hex screw and nut.		
26 05 29 00-0106	EA		1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	9.21	1.63
26 05 29 00-0107	EA		3/4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	10.77	1.63
26 05 29 00-0108	EA		1" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	11.21	1.63
26 05 29 00-0109	EA		1-1/4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	13.50	2.17
26 05 29 00-0110	EA		1-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	18.84	2.17
26 05 29 00-0111	EA		2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	19.11	2.17
26 05 29 00-0112	EA		2-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	22.59	2.71
26 05 29 00-0113	EA		3" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	23.97	2.71
26 05 29 00-0114	EA		3-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	33.82	2.71
26 05 29 00-0115	EA		4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	39.84	2.71
<b>26 05 29 00-0116</b>			<b>Beam Clamps, Unistrut Channel Fittings</b> <small>(26 05 29 00-0116)</small>		
<b>26 05 29 00-0117</b>			<b>Steel Beam Clamps, Unistrut Channel Fittings</b> <small>(26 05 29 00-0117)</small>		
26 05 29 00-0118	EA		Set Screw Beam Clamp, Steel Unistrut Channel Fitting .....	31.75	9.90
26 05 29 00-0119	EA		"C" Beam Clamp Use With 1/2" Rod, Steel Unistrut Channel Fittings .....	22.56	9.90
26 05 29 00-0120	EA		"U" Bolt Beam Clamp, Steel Unistrut Channel Fitting .....	30.81	9.90
<b>26 05 29 00-0121</b>			<b>304 Stainless Steel Beam Clamps, Unistrut Channel Fittings</b> <small>(26 05 29 00-0121)</small>		
26 05 29 00-0122	EA		"U" Bolt Beam Clamp, 304 Stainless Steel Unistrut Channel Fitting.....	52.38	9.90
<b>26 05 29 00-0123</b>			<b>Square Washers For Unistrut Channel</b> <small>(26 05 29 00-0123)</small>		
<b>26 05 29 00-0124</b>			<b>Steel Square Washers For Unistrut Channel</b> <small>(26 05 29 00-0124)</small>		
26 05 29 00-0125	EA		1/2" Bolt Size, Steel, Square Washer For Unistrut Channel .....	3.78	
<b>26 05 29 00-0126</b>			<b>Stainless Steel Square Washers For Unistrut Channel</b> <small>(26 05 29 00-0126)</small>		
26 05 29 00-0127	EA		1/2" Bolt Size, 304 Stainless Steel, Square Washer For Unistrut Channel.....	5.41	
26 05 29 00-0128	EA		1/2" Bolt Size, 316 Stainless Steel, Square Washer For Unistrut Channel.....	6.91	
<b>26 05 29 00-0129</b>			<b>Strut Braces, Unistrut Channel Fittings</b> <small>(26 05 29 00-0129)</small>		
26 05 29 00-0130	EA		16" Diagonal Steel Bar Brace For Unistrut Channel .....	28.04	
<b>26 05 29 00-0131</b>			<b>Trolley Hangers, Unistrut Channel Fittings</b> <small>(26 05 29 00-0131)</small>		
26 05 29 00-0132	EA		Steel Trolley Track Hanger For Unistrut Channel .....	34.98	
<b>26 05 29 00-0133</b>			<b>Lock Nuts With Spring For Unistrut Channel</b> <small>(26 05 29 00-0133)</small>		
			Note: Includes hex bolt.		
<b>26 05 29 00-0134</b>			<b>Steel Lock Nuts With Spring For Unistrut Channel</b> <small>(26 05 29 00-0134)</small>		
			Note: Includes hex bolt.		
26 05 29 00-0135	EA		1/4-20, Steel Lock Nut With Spring For Unistrut Channel.....	7.01	
26 05 29 00-0136	EA		3/8-16, Steel Lock Nut With Spring For Unistrut Channel.....	7.57	
26 05 29 00-0137	EA		1/2-13, Steel Lock Nut With Spring For Unistrut Channel.....	7.99	
26 05 29 00-0138	EA		5/8-11, Steel Lock Nut With Spring For Unistrut Channel.....	10.26	
<b>26 05 29 00-0139</b>			<b>Stainless Steel Lock Nuts With Spring For Unistrut Channel</b> <small>(26 05 29 00-0139)</small>		
			Note: Includes hex bolt.		
26 05 29 00-0140	EA		1/4-20, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel .....	15.60	
26 05 29 00-0141	EA		3/8-16, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel .....	16.62	
26 05 29 00-0142	EA		1/2-13, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel .....	23.66	
26 05 29 00-0143	EA		5/8-11, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel .....	40.71	
<b>26 05 29 00-0144</b>			<b>Lock Nuts Without Spring For Unistrut Channel</b> <small>(26 05 29 00-0144)</small>		
			Note: Includes hex bolt.		

**26 Electrical****26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0145			<b>Steel Lock Nuts Without Spring For Unistrut Channel</b> (26 05 29 00-0144) Note: Includes hex bolt.		
26 05 29 00-0146	EA		1/4-20, Steel Lock Nut Without Spring For Unistrut Channel .....	7.03	
26 05 29 00-0147	EA		3/8-16, Steel Lock Nut Without Spring For Unistrut Channel .....	7.65	
26 05 29 00-0148	EA		1/2-13, Steel Lock Nut Without Spring For Unistrut Channel .....	8.02	
26 05 29 00-0149	EA		5/8-11, Steel Lock Nut Without Spring For Unistrut Channel .....	10.92	
26 05 29 00-0150			<b>Stainless Steel Lock Nuts Without Spring For Unistrut Channel</b> (26 05 29 00-0144) Note: Includes hex bolt.		
26 05 29 00-0151	EA		1/4-20, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	11.08	
26 05 29 00-0152	EA		3/8-16, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	13.43	
26 05 29 00-0153	EA		1/2-13, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	14.67	
26 05 29 00-0154	EA		5/8-11, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	39.65	
26 05 29 00-0155			<b>Mounting Assemblies</b> (26 05 29)		
26 05 29 00-0156			<b>Galvanized Steel Mounting Assemblies</b> (26 05 29 00-0155)		
26 05 29 00-0157			<b>Galvanized Steel Back Plate</b> (26 05 29 00-0156)		
26 05 29 00-0158	EA		1/4" x 4' x 4', Galvanized Steel Back Plate, Painted.....	414.64	65.02
26 05 29 00-0159	EA		3/8" x 14" x 16", Galvanized Steel Back Plate, Painted .....	103.65	21.67
26 05 29 00-0160	EA		3/16" x 30" x 48", Galvanized Steel Back Plate, Painted .....	262.26	54.18
26 05 29 00-0161			<b>Aluminum Mounting Assemblies</b> (26 05 29 00-0155)		
26 05 29 00-0162			<b>Aluminum Back Plate</b> (26 05 29 00-0161)		
26 05 29 00-0163	EA		3/16" x 2' x 2' Aluminum Back Plate.....	316.56	81.28
26 05 29 00-0164	EA		3/16" x 4' x 4' Aluminum Back Plate.....	841.48	81.28
26 05 29 00-0165			<b>Supports</b> (26 05 29)		
26 05 29 00-0166			<b>One Hole Steel Conduit Straps</b> (26 05 29 00-0165)		
26 05 29 00-0167	EA		1/2", One Hole Steel Conduit Strap .....	3.92	
			For Work In Restricted Working Space, Add	1.04	
			For Installation On Concrete (Includes Drilling And Fastener), Add	0.97	
			For >50 To 100, Deduct	-0.18	
			For >100 To 250, Deduct	-0.37	
			For >250 To 500, Deduct	-0.73	
			For >500, Deduct	-1.09	
26 05 29 00-0168	EA		3/4", One Hole Steel Conduit Strap .....	3.96	
			For Work In Restricted Working Space, Add	1.04	
			For Installation On Concrete (Includes Drilling And Fastener), Add	0.97	
			For >50 To 100, Deduct	-0.19	
			For >100 To 250, Deduct	-0.37	
			For >250 To 500, Deduct	-0.73	
			For >500, Deduct	-1.09	
26 05 29 00-0169	EA		1", One Hole Steel Conduit Strap .....	4.18	
			For Work In Restricted Working Space, Add	1.04	
			For Installation On Concrete (Includes Drilling And Fastener), Add	0.97	
			For >50 To 100, Deduct	-0.19	
			For >100 To 250, Deduct	-0.38	
			For >250 To 500, Deduct	-0.75	
			For >500, Deduct	-1.11	
26 05 29 00-0170	EA		1-1/4", One Hole Steel Conduit Strap .....	4.34	
			For Work In Restricted Working Space, Add	1.04	
			For Installation On Concrete (Includes Drilling And Fastener), Add	0.97	
			For >50 To 100, Deduct	-0.20	
			For >100 To 250, Deduct	-0.39	
			For >250 To 500, Deduct	-0.76	
			For >500, Deduct	-1.13	
26 05 29 00-0171	EA		1-1/2", One Hole Steel Conduit Strap .....	4.45	
			For Work In Restricted Working Space, Add	1.04	
			For Installation On Concrete (Includes Drilling And Fastener), Add	0.97	
			For >50 To 100, Deduct	-0.20	
			For >100 To 250, Deduct	-0.40	
			For >250 To 500, Deduct	-0.77	
			For >500, Deduct	-1.14	
26 05 29 00-0172	EA		2", One Hole Steel Conduit Strap .....	5.13	
			For Work In Restricted Working Space, Add	1.04	
			For Installation On Concrete (Includes Drilling And Fastener), Add	0.97	
			For >50 To 100, Deduct	-0.22	
			For >100 To 250, Deduct	-0.43	
			For >250 To 500, Deduct	-0.82	
			For >500, Deduct	-1.21	
26 05 29 00-0173	EA		2-1/2", One Hole Steel Conduit Strap .....	5.81	
			For Work In Restricted Working Space, Add	1.04	
			For Installation On Concrete (Includes Drilling And Fastener), Add	0.97	
			For >50 To 100, Deduct	-0.23	
			For >100 To 250, Deduct	-0.46	
			For >250 To 500, Deduct	-0.87	
			For >500, Deduct	-1.28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0174 EA 3", One Hole Steel Conduit Strap ..... 6.04		
For Work In Restricted Working Space, Add	1.04	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.97	
For >50 To 100, Deduct	-0.24	
For >100 To 250, Deduct	-0.48	
For >250 To 500, Deduct	-0.89	
For >500, Deduct	-1.30	
26 05 29 00-0175 EA 3-1/2", One Hole Steel Conduit Strap ..... 7.17		
For Work In Restricted Working Space, Add	1.04	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.97	
For >50 To 100, Deduct	-0.27	
For >100 To 250, Deduct	-0.53	
For >250 To 500, Deduct	-0.97	
For >500, Deduct	-1.41	
26 05 29 00-0176 EA 4", One Hole Steel Conduit Strap ..... 8.07		
For Work In Restricted Working Space, Add	1.04	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.97	
For >50 To 100, Deduct	-0.29	
For >100 To 250, Deduct	-0.58	
For >250 To 500, Deduct	-1.04	
For >500, Deduct	-1.50	
<b>26 05 29 00-0177 One Hole Iron Conduit Straps (26 05 29 00-0165)</b>		
26 05 29 00-0178 EA 1/2", One Hole Iron Conduit Strap ..... 4.02		
For Work In Restricted Working Space, Add	1.04	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.97	
For >50 To 100, Deduct	-0.19	
For >100 To 250, Deduct	-0.37	
For >250 To 500, Deduct	-0.74	
For >500, Deduct	-1.10	
26 05 29 00-0179 EA 3/4", One Hole Iron Conduit Strap ..... 4.13		
For Work In Restricted Working Space, Add	1.04	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.97	
For >50 To 100, Deduct	-0.19	
For >100 To 250, Deduct	-0.38	
For >250 To 500, Deduct	-0.74	
For >500, Deduct	-1.11	
26 05 29 00-0180 EA 1", One Hole Iron Conduit Strap ..... 4.33		
For Work In Restricted Working Space, Add	1.04	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.97	
For >50 To 100, Deduct	-0.20	
For >100 To 250, Deduct	-0.39	
For >250 To 500, Deduct	-0.76	
For >500, Deduct	-1.13	
26 05 29 00-0181 EA 1-1/4", One Hole Iron Conduit Strap ..... 4.79		
For Work In Restricted Working Space, Add	1.04	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.97	
For >50 To 100, Deduct	-0.21	
For >100 To 250, Deduct	-0.41	
For >250 To 500, Deduct	-0.79	
For >500, Deduct	-1.17	
26 05 29 00-0182 EA 1-1/2", One Hole Iron Conduit Strap ..... 4.98		
For Work In Restricted Working Space, Add	1.04	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.97	
For >50 To 100, Deduct	-0.21	
For >100 To 250, Deduct	-0.42	
For >250 To 500, Deduct	-0.81	
For >500, Deduct	-1.19	
26 05 29 00-0183 EA 2", One Hole Iron Conduit Strap ..... 6.17		
For Work In Restricted Working Space, Add	1.04	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.97	
For >50 To 100, Deduct	-0.24	
For >100 To 250, Deduct	-0.48	
For >250 To 500, Deduct	-0.90	
For >500, Deduct	-1.31	
26 05 29 00-0184 EA 2-1/2", One Hole Iron Conduit Strap ..... 8.72		
For Work In Restricted Working Space, Add	1.04	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.97	
For >50 To 100, Deduct	-0.30	
For >100 To 250, Deduct	-0.61	
For >250 To 500, Deduct	-1.09	
For >500, Deduct	-1.57	
26 05 29 00-0185 EA 3", One Hole Iron Conduit Strap ..... 10.85		
For Work In Restricted Working Space, Add	1.04	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.97	
For >50 To 100, Deduct	-0.36	
For >100 To 250, Deduct	-0.72	
For >250 To 500, Deduct	-1.25	
For >500, Deduct	-1.78	
26 05 29 00-0186 EA 3-1/2", One Hole Iron Conduit Strap ..... 13.96		
For Work In Restricted Working Space, Add	1.04	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.97	
For >50 To 100, Deduct	-0.44	
For >100 To 250, Deduct	-0.87	
For >250 To 500, Deduct	-1.48	
For >500, Deduct	-2.09	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 05 29 00-0187	EA	4", One Hole Iron Conduit Strap	26.41	
		<i>For Work In Restricted Working Space, Add</i>	1.04	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.97	
		<i>For &gt;50 To 100, Deduct</i>	-0.75	
		<i>For &gt;100 To 250, Deduct</i>	-1.49	
		<i>For &gt;250 To 500, Deduct</i>	-2.41	
		<i>For &gt;500, Deduct</i>	-3.34	
26 05 29 00-0188	EA	5", One Hole Iron Conduit Strap	33.11	
		<i>For Work In Restricted Working Space, Add</i>	1.04	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.97	
		<i>For &gt;50 To 100, Deduct</i>	-0.91	
		<i>For &gt;100 To 250, Deduct</i>	-1.83	
		<i>For &gt;250 To 500, Deduct</i>	-2.92	
		<i>For &gt;500, Deduct</i>	-4.01	
<b>26 05 29 00-0189</b>		<b>Two Hole Steel Conduit Straps</b> <small>(26 05 29 00-0165)</small>		
26 05 29 00-0190	EA	1/2", Two Hole Steel Conduit Strap	4.53	
		<i>For Work In Restricted Working Space, Add</i>	1.17	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.18	
		<i>For &gt;50 To 100, Deduct</i>	-0.21	
		<i>For &gt;100 To 250, Deduct</i>	-0.42	
		<i>For &gt;250 To 500, Deduct</i>	-0.83	
		<i>For &gt;500, Deduct</i>	-1.23	
26 05 29 00-0191	EA	3/4", Two Hole Steel Conduit Strap	4.60	
		<i>For Work In Restricted Working Space, Add</i>	1.17	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.18	
		<i>For &gt;50 To 100, Deduct</i>	-0.21	
		<i>For &gt;100 To 250, Deduct</i>	-0.43	
		<i>For &gt;250 To 500, Deduct</i>	-0.83	
		<i>For &gt;500, Deduct</i>	-1.24	
26 05 29 00-0192	EA	1", Two Hole Steel Conduit Strap	4.64	
		<i>For Work In Restricted Working Space, Add</i>	1.17	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.18	
		<i>For &gt;50 To 100, Deduct</i>	-0.21	
		<i>For &gt;100 To 250, Deduct</i>	-0.43	
		<i>For &gt;250 To 500, Deduct</i>	-0.84	
		<i>For &gt;500, Deduct</i>	-1.24	
26 05 29 00-0193	EA	1-1/4", Two Hole Steel Conduit Strap	4.69	
		<i>For Work In Restricted Working Space, Add</i>	1.17	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.18	
		<i>For &gt;50 To 100, Deduct</i>	-0.21	
		<i>For &gt;100 To 250, Deduct</i>	-0.43	
		<i>For &gt;250 To 500, Deduct</i>	-0.84	
		<i>For &gt;500, Deduct</i>	-1.25	
26 05 29 00-0194	EA	1-1/2", Two Hole Steel Conduit Strap	4.73	
		<i>For Work In Restricted Working Space, Add</i>	1.17	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.18	
		<i>For &gt;50 To 100, Deduct</i>	-0.22	
		<i>For &gt;100 To 250, Deduct</i>	-0.43	
		<i>For &gt;250 To 500, Deduct</i>	-0.84	
		<i>For &gt;500, Deduct</i>	-1.25	
26 05 29 00-0195	EA	2", Two Hole Steel Conduit Strap	4.82	
		<i>For Work In Restricted Working Space, Add</i>	1.17	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.18	
		<i>For &gt;50 To 100, Deduct</i>	-0.22	
		<i>For &gt;100 To 250, Deduct</i>	-0.44	
		<i>For &gt;250 To 500, Deduct</i>	-0.85	
		<i>For &gt;500, Deduct</i>	-1.26	
26 05 29 00-0196	EA	2-1/2", Two Hole Steel Conduit Strap	5.33	
		<i>For Work In Restricted Working Space, Add</i>	1.17	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.18	
		<i>For &gt;50 To 100, Deduct</i>	-0.23	
		<i>For &gt;100 To 250, Deduct</i>	-0.46	
		<i>For &gt;250 To 500, Deduct</i>	-0.89	
		<i>For &gt;500, Deduct</i>	-1.31	
26 05 29 00-0197	EA	3", Two Hole Steel Conduit Strap	5.44	
		<i>For Work In Restricted Working Space, Add</i>	1.17	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.18	
		<i>For &gt;50 To 100, Deduct</i>	-0.23	
		<i>For &gt;100 To 250, Deduct</i>	-0.47	
		<i>For &gt;250 To 500, Deduct</i>	-0.90	
		<i>For &gt;500, Deduct</i>	-1.32	
26 05 29 00-0198	EA	3-1/2", Two Hole Steel Conduit Strap	5.85	
		<i>For Work In Restricted Working Space, Add</i>	1.17	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.18	
		<i>For &gt;50 To 100, Deduct</i>	-0.24	
		<i>For &gt;100 To 250, Deduct</i>	-0.49	
		<i>For &gt;250 To 500, Deduct</i>	-0.93	
		<i>For &gt;500, Deduct</i>	-1.37	
26 05 29 00-0199	EA	4", Two Hole Steel Conduit Strap	6.12	
		<i>For Work In Restricted Working Space, Add</i>	1.17	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.18	
		<i>For &gt;50 To 100, Deduct</i>	-0.25	
		<i>For &gt;100 To 250, Deduct</i>	-0.50	
		<i>For &gt;250 To 500, Deduct</i>	-0.95	
		<i>For &gt;500, Deduct</i>	-1.39	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 29 00-0200	EA 5", Two Hole Steel Conduit Strap .....	6.49	
	For Work In Restricted Working Space, Add	1.17	
	For Installation On Concrete (Includes Drilling And Fastener), Add	1.18	
	For >50 To 100, Deduct	-0.26	
	For >100 To 250, Deduct	-0.52	
	For >250 To 500, Deduct	-0.97	
	For >500, Deduct	-1.43	
<b>26 05 29 00-0201</b>	<b>Clamp Back Spacers</b> <small>(26 05 29 00-0165)</small>		
26 05 29 00-0202	EA 1/2" Conduit, Clamp Back Spacer.....	3.49	
	For Work In Restricted Working Space, Add	0.81	
	For Installation On Concrete (Includes Drilling And Fastener), Add	0.78	
	For >50 To 100, Deduct	-0.16	
	For >100 To 250, Deduct	-0.31	
	For >250 To 500, Deduct	-0.60	
	For >500, Deduct	-0.89	
26 05 29 00-0203	EA 3/4" Conduit, Clamp Back Spacer.....	3.74	
	For Work In Restricted Working Space, Add	0.81	
	For Installation On Concrete (Includes Drilling And Fastener), Add	0.78	
	For >50 To 100, Deduct	-0.16	
	For >100 To 250, Deduct	-0.32	
	For >250 To 500, Deduct	-0.62	
	For >500, Deduct	-0.92	
26 05 29 00-0204	EA 1" Conduit, Clamp Back Spacer.....	3.97	
	For Work In Restricted Working Space, Add	0.81	
	For Installation On Concrete (Includes Drilling And Fastener), Add	0.78	
	For >50 To 100, Deduct	-0.17	
	For >100 To 250, Deduct	-0.33	
	For >250 To 500, Deduct	-0.64	
	For >500, Deduct	-0.94	
26 05 29 00-0205	EA 1-1/4" Conduit, Clamp Back Spacer .....	4.86	
	For Work In Restricted Working Space, Add	0.81	
	For Installation On Concrete (Includes Drilling And Fastener), Add	0.78	
	For >50 To 100, Deduct	-0.19	
	For >100 To 250, Deduct	-0.38	
	For >250 To 500, Deduct	-0.70	
	For >500, Deduct	-1.03	
26 05 29 00-0206	EA 1-1/2" Conduit, Clamp Back Spacer .....	5.58	
	For Work In Restricted Working Space, Add	0.81	
	For Installation On Concrete (Includes Drilling And Fastener), Add	0.78	
	For >50 To 100, Deduct	-0.21	
	For >100 To 250, Deduct	-0.41	
	For >250 To 500, Deduct	-0.76	
	For >500, Deduct	-1.10	
26 05 29 00-0207	EA 2" Conduit, Clamp Back Spacer.....	6.33	
	For Work In Restricted Working Space, Add	0.81	
	For Installation On Concrete (Includes Drilling And Fastener), Add	0.78	
	For >50 To 100, Deduct	-0.23	
	For >100 To 250, Deduct	-0.45	
	For >250 To 500, Deduct	-0.81	
	For >500, Deduct	-1.18	
26 05 29 00-0208	EA 2-1/2" Conduit, Clamp Back Spacer .....	9.40	
	For Work In Restricted Working Space, Add	0.81	
	For Installation On Concrete (Includes Drilling And Fastener), Add	0.78	
	For >50 To 100, Deduct	-0.30	
	For >100 To 250, Deduct	-0.61	
	For >250 To 500, Deduct	-1.04	
	For >500, Deduct	-1.48	
26 05 29 00-0209	EA 3" Conduit, Clamp Back Spacer.....	13.07	
	For Work In Restricted Working Space, Add	0.81	
	For Installation On Concrete (Includes Drilling And Fastener), Add	0.78	
	For >50 To 100, Deduct	-0.39	
	For >100 To 250, Deduct	-0.79	
	For >250 To 500, Deduct	-1.32	
	For >500, Deduct	-1.85	
26 05 29 00-0210	EA 3-1/2" Conduit, Clamp Back Spacer .....	16.62	
	For Work In Restricted Working Space, Add	0.81	
	For Installation On Concrete (Includes Drilling And Fastener), Add	0.78	
	For >50 To 100, Deduct	-0.48	
	For >100 To 250, Deduct	-0.97	
	For >250 To 500, Deduct	-1.59	
	For >500, Deduct	-2.20	
26 05 29 00-0211	EA 4" Conduit, Clamp Back Spacer.....	33.33	
	For Work In Restricted Working Space, Add	0.81	
	For Installation On Concrete (Includes Drilling And Fastener), Add	0.78	
	For >50 To 100, Deduct	-0.90	
	For >100 To 250, Deduct	-1.80	
	For >250 To 500, Deduct	-2.84	
	For >500, Deduct	-3.88	
26 05 29 00-0212	EA 5" Conduit, Clamp Back Spacer.....	61.53	
	For Work In Restricted Working Space, Add	0.81	
	For Installation On Concrete (Includes Drilling And Fastener), Add	0.78	
	For >50 To 100, Deduct	-1.61	
	For >100 To 250, Deduct	-3.21	
	For >250 To 500, Deduct	-4.95	
	For >500, Deduct	-6.70	

26 05 29 00-0213 **Conduit Clips** (26 05 29 00-0165)  
 Note: Push in or clip.

**26 Electrical****26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 05 29 00-0214	EA	1/2" Conduit Clip .....	4.41
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.97
		<i>For &gt;50 To 100, Deduct</i>	-0.20
		<i>For &gt;100 To 250, Deduct</i>	-0.39
		<i>For &gt;250 To 500, Deduct</i>	-0.76
		<i>For &gt;500, Deduct</i>	-1.14
26 05 29 00-0215	EA	3/4" Conduit Clip .....	4.41
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.97
		<i>For &gt;50 To 100, Deduct</i>	-0.20
		<i>For &gt;100 To 250, Deduct</i>	-0.39
		<i>For &gt;250 To 500, Deduct</i>	-0.76
		<i>For &gt;500, Deduct</i>	-1.14
26 05 29 00-0216	EA	1" Conduit Clip .....	4.34
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.97
		<i>For &gt;50 To 100, Deduct</i>	-0.20
		<i>For &gt;100 To 250, Deduct</i>	-0.39
		<i>For &gt;250 To 500, Deduct</i>	-0.76
		<i>For &gt;500, Deduct</i>	-1.13
26 05 29 00-0217	EA	1-1/4" Conduit Clip .....	4.52
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.97
		<i>For &gt;50 To 100, Deduct</i>	-0.20
		<i>For &gt;100 To 250, Deduct</i>	-0.40
		<i>For &gt;250 To 500, Deduct</i>	-0.77
		<i>For &gt;500, Deduct</i>	-1.15

**26 05 29 00-0218 Bolt And Nut Conduit Clips (26 05 29 00-0165)**

26 05 29 00-0219	EA	3/4" Bolt And Nut Conduit Clip (Minerallac 1B) .....	5.47
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.18
		<i>For &gt;50 To 100, Deduct</i>	-0.25
		<i>For &gt;100 To 250, Deduct</i>	-0.49
		<i>For &gt;250 To 500, Deduct</i>	-0.95
		<i>For &gt;500, Deduct</i>	-1.41
26 05 29 00-0220	EA	1" Bolt And Nut Conduit Clip (Minerallac 2B) .....	5.65
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.18
		<i>For &gt;50 To 100, Deduct</i>	-0.25
		<i>For &gt;100 To 250, Deduct</i>	-0.50
		<i>For &gt;250 To 500, Deduct</i>	-0.97
		<i>For &gt;500, Deduct</i>	-1.43
26 05 29 00-0221	EA	1-1/4" Bolt And Nut Conduit Clip (Minerallac 2-1/2B) .....	6.02
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.25
		<i>For &gt;50 To 100, Deduct</i>	-0.27
		<i>For &gt;100 To 250, Deduct</i>	-0.53
		<i>For &gt;250 To 500, Deduct</i>	-1.03
		<i>For &gt;500, Deduct</i>	-1.52
26 05 29 00-0222	EA	1-1/2" Bolt And Nut Conduit Clip (Minerallac 3B) .....	6.13
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.25
		<i>For &gt;50 To 100, Deduct</i>	-0.27
		<i>For &gt;100 To 250, Deduct</i>	-0.54
		<i>For &gt;250 To 500, Deduct</i>	-1.03
		<i>For &gt;500, Deduct</i>	-1.53
26 05 29 00-0223	EA	2" Bolt And Nut Conduit Clip (Minerallac 5B) .....	6.82
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.25
		<i>For &gt;50 To 100, Deduct</i>	-0.29
		<i>For &gt;100 To 250, Deduct</i>	-0.57
		<i>For &gt;250 To 500, Deduct</i>	-1.09
		<i>For &gt;500, Deduct</i>	-1.60
26 05 29 00-0224	EA	2-1/2" Bolt And Nut Conduit Clip (Minerallac 6B) .....	7.39
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.32
		<i>For &gt;50 To 100, Deduct</i>	-0.31
		<i>For &gt;100 To 250, Deduct</i>	-0.61
		<i>For &gt;250 To 500, Deduct</i>	-1.16
		<i>For &gt;500, Deduct</i>	-1.71
26 05 29 00-0225	EA	3" Bolt And Nut Conduit Clip (Minerallac 7B) .....	8.00
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.32
		<i>For &gt;50 To 100, Deduct</i>	-0.32
		<i>For &gt;100 To 250, Deduct</i>	-0.64
		<i>For &gt;250 To 500, Deduct</i>	-1.21
		<i>For &gt;500, Deduct</i>	-1.77
26 05 29 00-0226	EA	4" Bolt And Nut Conduit Clip (Minerallac 9B) .....	14.37
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.46
		<i>For &gt;50 To 100, Deduct</i>	-0.49
		<i>For &gt;100 To 250, Deduct</i>	-0.99
		<i>For &gt;250 To 500, Deduct</i>	-1.76
		<i>For &gt;500, Deduct</i>	-2.52

**26 05 29 00-0227 Conduit Hanger From Flange, Wire Or Rod (26 05 29 00-0165)**

Note: Bat wing.

26 05 29 00-0228	EA	1/2", Conduit Hanger From Flange, Wire Or Rod .....	3.19
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.75
		<i>For &gt;50 To 100, Deduct</i>	-0.14
		<i>For &gt;100 To 250, Deduct</i>	-0.29
		<i>For &gt;250 To 500, Deduct</i>	-0.56
		<i>For &gt;500, Deduct</i>	-0.84
26 05 29 00-0229	EA	3/4", Conduit Hanger From Flange, Wire Or Rod .....	3.24
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.75
		<i>For &gt;50 To 100, Deduct</i>	-0.15
		<i>For &gt;100 To 250, Deduct</i>	-0.29
		<i>For &gt;250 To 500, Deduct</i>	-0.57
		<i>For &gt;500, Deduct</i>	-0.84



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 29 00-0230	EA 1", Conduit Hanger From Flange, Wire Or Rod ..... <i>For Installation On Concrete (Includes Drilling And Fastener), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	3.38	0.75 -0.15 -0.30 -0.58 -0.86
26 05 29 00-0231	EA 1-1/4", Conduit Hanger From Flange, Wire Or Rod ..... <i>For Installation On Concrete (Includes Drilling And Fastener), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	3.72	0.75 -0.16 -0.32 -0.60 -0.89
<b>26 05 29 00-0232 Beam Flange Clamps</b> <small>(26 05 29 00-0165)</small>			
Note: For threaded rod, nut not required.			
26 05 29 00-0233	EA 1/8" To 1/4" Flange Thickness, Beam Clamp (Caddy 6TA24) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	4.66	-0.18 -0.37 -0.69 -1.01
26 05 29 00-0234	EA 5/16" To 1/2" Flange Thickness, Beam Clamp (Caddy 6TA58) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	4.57	-0.18 -0.36 -0.68 -1.00
26 05 29 00-0235	EA 9/16" To 3/4" Flange Thickness, Beam Clamp (Caddy 6TA912) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	5.11	-0.20 -0.39 -0.72 -1.05
<b>26 05 29 00-0236 T-Bar Support Clips</b> <small>(26 05 29 00-0165)</small>			
26 05 29 00-0237	EA 9/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS95) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	7.78	-0.33 -0.66 -1.26 -1.86
26 05 29 00-0238	EA 15/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	7.37	-0.32 -0.64 -1.23 -1.82
26 05 29 00-0239	EA 15/16 Grid Size, Twist On T-Bar Support Clip (Caddy 4G16) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	2.80	-0.10 -0.21 -0.38 -0.55
26 05 29 00-0240	EA 24" Long Snap On T-Bar Electrical Box Hanger (Caddy 512) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	23.01	-0.63 -1.26 -2.00 -2.74
<b>26 05 29 00-0241 Switch And Outlet Box Type Supports</b> <small>(26 05 29 00-0165)</small>			
26 05 29 00-0242	EA 1/4" To 3/4" Drywall Thickness, Adjustable Switch And Outlet Box Support (Caddy MFS) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	5.73	-0.20 -0.40 -0.70 -1.01
26 05 29 00-0243	EA 1/2" Drywall Thickness, Riveted Switch And Outlet Box Support (Caddy MF500) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	4.85	-0.18 -0.35 -0.64 -0.92
26 05 29 00-0244	EA Flush, Riveted Switch And Outlet Box Support (Caddy MFO) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	5.61	-0.19 -0.39 -0.69 -1.00
26 05 29 00-0245	EA Snap On, Switch And Outlet Box Support (Caddy MSF) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	3.60	-0.14 -0.29 -0.54 -0.79
26 05 29 00-0246	EA 1/4-20 Thread Impression, Switch And Outlet Box Support (Caddy MFI) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	3.76	-0.15 -0.30 -0.55 -0.81
<b>26 05 29 00-0247 Lighting Fixture Hanger</b> <small>(26 05 29 00-0165)</small>			
Note: For existing or owner furnished fixtures.			

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 29 Hangers and Supports for Electrical Systems**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 29 00-0248	EA Lay-In/Troffer, Straight Lip Type Fixture Support Clip (Caddy 515) .....	5.18	
	For >50 To 100, Deduct	-0.24	
	For >100 To 250, Deduct	-0.48	
	For >250 To 500, Deduct	-0.93	
	For >500, Deduct	-1.38	
26 05 29 00-0249	PR Support Bars For Recessed "High Hat" Light Fixtures (Caddy 517) .....	18.20	
	For >50 To 100, Deduct	-0.56	
	For >100 To 250, Deduct	-1.13	
	For >250 To 500, Deduct	-1.91	
	For >500, Deduct	-2.69	
26 05 29 00-0250	PR Support Bars For Recessed "Lightolier" Light Fixtures (Caddy 520).....	25.03	
	For >50 To 100, Deduct	-0.73	
	For >100 To 250, Deduct	-1.47	
	For >250 To 500, Deduct	-2.42	
	For >500, Deduct	-3.37	
<b>26 05 29 00-0251 Rigid Steel Conduit Clamps For Unistrut Channel (26 05 29 00-0165)</b>			
26 05 29 00-0252	EA 1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel .....	4.39	
	For >50 To 100, Deduct	-0.19	
	For >100 To 250, Deduct	-0.38	
	For >250 To 500, Deduct	-0.74	
	For >500, Deduct	-1.09	
	For Work In Restricted Working Space, Add	0.98	
26 05 29 00-0253	EA 3/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel .....	4.40	
	For >50 To 100, Deduct	-0.19	
	For >100 To 250, Deduct	-0.38	
	For >250 To 500, Deduct	-0.74	
	For >500, Deduct	-1.09	
	For Work In Restricted Working Space, Add	0.98	
26 05 29 00-0254	EA 1" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel .....	4.49	
	For >50 To 100, Deduct	-0.19	
	For >100 To 250, Deduct	-0.39	
	For >250 To 500, Deduct	-0.74	
	For >500, Deduct	-1.10	
	For Work In Restricted Working Space, Add	0.98	
26 05 29 00-0255	EA 1-1/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel .....	5.70	
	For >50 To 100, Deduct	-0.25	
	For >100 To 250, Deduct	-0.50	
	For >250 To 500, Deduct	-0.97	
	For >500, Deduct	-1.44	
	For Work In Restricted Working Space, Add	1.30	
26 05 29 00-0256	EA 1-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel .....	6.16	
	For >50 To 100, Deduct	-0.26	
	For >100 To 250, Deduct	-0.52	
	For >250 To 500, Deduct	-1.00	
	For >500, Deduct	-1.48	
	For Work In Restricted Working Space, Add	1.30	
26 05 29 00-0257	EA 2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel .....	6.21	
	For >50 To 100, Deduct	-0.26	
	For >100 To 250, Deduct	-0.53	
	For >250 To 500, Deduct	-1.01	
	For >500, Deduct	-1.49	
	For Work In Restricted Working Space, Add	1.30	
26 05 29 00-0258	EA 2-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel .....	7.63	
	For >50 To 100, Deduct	-0.33	
	For >100 To 250, Deduct	-0.65	
	For >250 To 500, Deduct	-1.25	
	For >500, Deduct	-1.85	
	For Work In Restricted Working Space, Add	1.63	
26 05 29 00-0259	EA 3" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel .....	8.04	
	For >50 To 100, Deduct	-0.34	
	For >100 To 250, Deduct	-0.67	
	For >250 To 500, Deduct	-1.28	
	For >500, Deduct	-1.89	
	For Work In Restricted Working Space, Add	1.63	
26 05 29 00-0260	EA 3-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel .....	8.43	
	For >50 To 100, Deduct	-0.35	
	For >100 To 250, Deduct	-0.69	
	For >250 To 500, Deduct	-1.31	
	For >500, Deduct	-1.93	
	For Work In Restricted Working Space, Add	1.63	
26 05 29 00-0261	EA 4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel .....	8.58	
	For >50 To 100, Deduct	-0.35	
	For >100 To 250, Deduct	-0.70	
	For >250 To 500, Deduct	-1.32	
	For >500, Deduct	-1.94	
	For Work In Restricted Working Space, Add	1.63	
<b>26 05 29 00-0262 Electrical Metallic Tubing (EMT) Conduit Clamps For Unistrut Channel (26 05 29 00-0165)</b>			
26 05 29 00-0263	EA 1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel .....	4.69	
	For >50 To 100, Deduct	-0.20	
	For >100 To 250, Deduct	-0.40	
	For >250 To 500, Deduct	-0.76	
	For >500, Deduct	-1.12	
	For Work In Restricted Working Space, Add	0.98	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 29 00-0264	EA	3/4"	Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	4.65	
			<i>For &gt;50 To 100, Deduct</i>	-0.20	
			<i>For &gt;100 To 250, Deduct</i>	-0.40	
			<i>For &gt;250 To 500, Deduct</i>	-0.76	
			<i>For &gt;500, Deduct</i>	-1.12	
			<i>For Work In Restricted Working Space, Add</i>	0.98	
26 05 29 00-0265	EA	1"	Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	4.60	
			<i>For &gt;50 To 100, Deduct</i>	-0.20	
			<i>For &gt;100 To 250, Deduct</i>	-0.39	
			<i>For &gt;250 To 500, Deduct</i>	-0.75	
			<i>For &gt;500, Deduct</i>	-1.11	
			<i>For Work In Restricted Working Space, Add</i>	0.98	
26 05 29 00-0266	EA	1-1/4"	Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	6.07	
			<i>For &gt;50 To 100, Deduct</i>	-0.26	
			<i>For &gt;100 To 250, Deduct</i>	-0.52	
			<i>For &gt;250 To 500, Deduct</i>	-1.00	
			<i>For &gt;500, Deduct</i>	-1.47	
			<i>For Work In Restricted Working Space, Add</i>	1.30	
26 05 29 00-0267	EA	1-1/2"	Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	6.87	
			<i>For &gt;50 To 100, Deduct</i>	-0.28	
			<i>For &gt;100 To 250, Deduct</i>	-0.56	
			<i>For &gt;250 To 500, Deduct</i>	-1.06	
			<i>For &gt;500, Deduct</i>	-1.55	
			<i>For Work In Restricted Working Space, Add</i>	1.30	
26 05 29 00-0268	EA	2"	Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	6.92	
			<i>For &gt;50 To 100, Deduct</i>	-0.28	
			<i>For &gt;100 To 250, Deduct</i>	-0.56	
			<i>For &gt;250 To 500, Deduct</i>	-1.06	
			<i>For &gt;500, Deduct</i>	-1.56	
			<i>For Work In Restricted Working Space, Add</i>	1.30	

**26 05 29 00-0269 "J" Type Conduit Hangers** (26 05 29 00-0165)

26 05 29 00-0270	EA	1/2"	"J" Type Conduit Hanger (Unistrut J1205).....	21.94	
			<i>For &gt;50 To 100, Deduct</i>	-0.74	
			<i>For &gt;100 To 250, Deduct</i>	-1.48	
			<i>For &gt;250 To 500, Deduct</i>	-2.59	
			<i>For &gt;500, Deduct</i>	-3.71	
			<i>For Work In Restricted Working Space, Add</i>	2.28	
26 05 29 00-0271	EA	3/4"	"J" Type Conduit Hanger (Unistrut J1207).....	22.19	
			<i>For &gt;50 To 100, Deduct</i>	-0.74	
			<i>For &gt;100 To 250, Deduct</i>	-1.49	
			<i>For &gt;250 To 500, Deduct</i>	-2.61	
			<i>For &gt;500, Deduct</i>	-3.74	
			<i>For Work In Restricted Working Space, Add</i>	2.28	
26 05 29 00-0272	EA	1"	"J" Type Conduit Hanger (Unistrut J1210).....	23.50	
			<i>For &gt;50 To 100, Deduct</i>	-0.80	
			<i>For &gt;100 To 250, Deduct</i>	-1.61	
			<i>For &gt;250 To 500, Deduct</i>	-2.85	
			<i>For &gt;500, Deduct</i>	-4.08	
			<i>For Work In Restricted Working Space, Add</i>	2.60	
26 05 29 00-0273	EA	1-1/4"	"J" Type Conduit Hanger (Unistrut J1212).....	23.77	
			<i>For &gt;50 To 100, Deduct</i>	-0.81	
			<i>For &gt;100 To 250, Deduct</i>	-1.62	
			<i>For &gt;250 To 500, Deduct</i>	-2.87	
			<i>For &gt;500, Deduct</i>	-4.11	
			<i>For Work In Restricted Working Space, Add</i>	2.60	
26 05 29 00-0274	EA	1-1/2"	"J" Type Conduit Hanger (Unistrut J1215).....	25.03	
			<i>For &gt;50 To 100, Deduct</i>	-0.87	
			<i>For &gt;100 To 250, Deduct</i>	-1.74	
			<i>For &gt;250 To 500, Deduct</i>	-3.10	
			<i>For &gt;500, Deduct</i>	-4.45	
			<i>For Work In Restricted Working Space, Add</i>	2.93	
26 05 29 00-0275	EA	2"	"J" Type Conduit Hanger (Unistrut J1220).....	26.05	
			<i>For &gt;50 To 100, Deduct</i>	-0.90	
			<i>For &gt;100 To 250, Deduct</i>	-1.79	
			<i>For &gt;250 To 500, Deduct</i>	-3.17	
			<i>For &gt;500, Deduct</i>	-4.56	
			<i>For Work In Restricted Working Space, Add</i>	2.93	
26 05 29 00-0276	EA	2-1/2"	"J" Type Conduit Hanger (Unistrut J1225).....	41.70	
			<i>For &gt;50 To 100, Deduct</i>	-1.31	
			<i>For &gt;100 To 250, Deduct</i>	-2.63	
			<i>For &gt;250 To 500, Deduct</i>	-4.48	
			<i>For &gt;500, Deduct</i>	-6.34	
			<i>For Work In Restricted Working Space, Add</i>	3.25	
26 05 29 00-0277	EA	3"	"J" Type Conduit Hanger (Unistrut J1230).....	44.32	
			<i>For &gt;50 To 100, Deduct</i>	-1.41	
			<i>For &gt;100 To 250, Deduct</i>	-2.81	
			<i>For &gt;250 To 500, Deduct</i>	-4.81	
			<i>For &gt;500, Deduct</i>	-6.82	
			<i>For Work In Restricted Working Space, Add</i>	3.58	
26 05 29 00-0278	EA	3-1/2"	"J" Type Conduit Hanger (Unistrut J1235).....	47.71	
			<i>For &gt;50 To 100, Deduct</i>	-1.52	
			<i>For &gt;100 To 250, Deduct</i>	-3.04	
			<i>For &gt;250 To 500, Deduct</i>	-5.20	
			<i>For &gt;500, Deduct</i>	-7.37	
			<i>For Work In Restricted Working Space, Add</i>	3.90	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 05 29 00-0279	EA	4", "J" Type Conduit Hanger (Unistrut J1240).....	63.51	
		<i>For &gt;50 To 100, Deduct</i>	-1.91	
		<i>For &gt;100 To 250, Deduct</i>	-3.83	
		<i>For &gt;250 To 500, Deduct</i>	-6.39	
		<i>For &gt;500, Deduct</i>	-8.95	
		<i>For Work In Restricted Working Space, Add</i>	3.90	
26 05 29 00-0280	EA	5", "J" Type Conduit Hanger (Unistrut J1250).....	69.78	
		<i>For &gt;50 To 100, Deduct</i>	-2.10	
		<i>For &gt;100 To 250, Deduct</i>	-4.19	
		<i>For &gt;250 To 500, Deduct</i>	-6.99	
		<i>For &gt;500, Deduct</i>	-9.79	
		<i>For Work In Restricted Working Space, Add</i>	4.22	
26 05 29 00-0281	EA	6", "J" Type Conduit Hanger (Unistrut J1260).....	98.44	
		<i>For &gt;50 To 100, Deduct</i>	-2.87	
		<i>For &gt;100 To 250, Deduct</i>	-5.74	
		<i>For &gt;250 To 500, Deduct</i>	-9.42	
		<i>For &gt;500, Deduct</i>	-13.10	
		<i>For Work In Restricted Working Space, Add</i>	4.88	
<b>26 05 29 00-0282 Between Studs Box Brackets (26 05 29 00-0165)</b>				
26 05 29 00-0283	EA	16" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB16A) .....	7.90	
		<i>For &gt;50 To 100, Deduct</i>	-0.28	
		<i>For &gt;100 To 250, Deduct</i>	-0.56	
		<i>For &gt;250 To 500, Deduct</i>	-1.00	
		<i>For &gt;500, Deduct</i>	-1.44	
		<i>For Work In Restricted Working Space, Add</i>	0.98	
26 05 29 00-0284	EA	24" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB24A) .....	9.51	
		<i>For &gt;50 To 100, Deduct</i>	-0.32	
		<i>For &gt;100 To 250, Deduct</i>	-0.64	
		<i>For &gt;250 To 500, Deduct</i>	-1.12	
		<i>For &gt;500, Deduct</i>	-1.60	
		<i>For Work In Restricted Working Space, Add</i>	0.98	
<b>26 05 29 00-0285 Hangers And Brackets (26 05 29 00-0165)</b>				
26 05 29 00-0286	EA	Rod Hangers Only With 1/4" Thread Impression (Caddy 4TI) .....	2.78	
		<i>For &gt;50 To 100, Deduct</i>	-0.12	
		<i>For &gt;100 To 250, Deduct</i>	-0.25	
		<i>For &gt;250 To 500, Deduct</i>	-0.48	
		<i>For &gt;500, Deduct</i>	-0.71	
26 05 29 00-0287	EA	Angle Bracket Only With 1/4" Hole (Caddy AB) .....	2.69	
		<i>For &gt;50 To 100, Deduct</i>	-0.12	
		<i>For &gt;100 To 250, Deduct</i>	-0.24	
		<i>For &gt;250 To 500, Deduct</i>	-0.47	
		<i>For &gt;500, Deduct</i>	-0.70	
26 05 29 00-0288	EA	Offset Bracket Only With 1/4" Hole (Caddy AO) .....	2.69	
		<i>For &gt;50 To 100, Deduct</i>	-0.12	
		<i>For &gt;100 To 250, Deduct</i>	-0.24	
		<i>For &gt;250 To 500, Deduct</i>	-0.47	
		<i>For &gt;500, Deduct</i>	-0.70	
26 05 29 00-0289	EA	Angle Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIB).....	3.65	
		<i>For &gt;50 To 100, Deduct</i>	-0.15	
		<i>For &gt;100 To 250, Deduct</i>	-0.29	
		<i>For &gt;250 To 500, Deduct</i>	-0.55	
		<i>For &gt;500, Deduct</i>	-0.80	
26 05 29 00-0290	EA	Angle Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIB).....	3.67	
		<i>For &gt;50 To 100, Deduct</i>	-0.15	
		<i>For &gt;100 To 250, Deduct</i>	-0.29	
		<i>For &gt;250 To 500, Deduct</i>	-0.55	
		<i>For &gt;500, Deduct</i>	-0.80	
26 05 29 00-0291	EA	Angle Bracket Mount, 1/4" Or 3/8" Threaded Rod Hanger With Nut (Caddy 6TIB).....	3.57	
		<i>For &gt;50 To 100, Deduct</i>	-0.14	
		<i>For &gt;100 To 250, Deduct</i>	-0.29	
		<i>For &gt;250 To 500, Deduct</i>	-0.54	
		<i>For &gt;500, Deduct</i>	-0.79	
26 05 29 00-0292	EA	Offset Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIO).....	3.65	
		<i>For &gt;50 To 100, Deduct</i>	-0.15	
		<i>For &gt;100 To 250, Deduct</i>	-0.29	
		<i>For &gt;250 To 500, Deduct</i>	-0.55	
		<i>For &gt;500, Deduct</i>	-0.80	
26 05 29 00-0293	EA	Offset Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIO).....	3.67	
		<i>For &gt;50 To 100, Deduct</i>	-0.15	
		<i>For &gt;100 To 250, Deduct</i>	-0.29	
		<i>For &gt;250 To 500, Deduct</i>	-0.55	
		<i>For &gt;500, Deduct</i>	-0.80	
<b>26 05 29 00-0294 Clips And Accessories (26 05 29 00-0165)</b>				
26 05 29 00-0295	EA	1/2" Diameter Center, Bridle Ring (Caddy 2BR) .....	1.89	
		<i>For &gt;50 To 100, Deduct</i>	-0.08	
		<i>For &gt;100 To 250, Deduct</i>	-0.16	
		<i>For &gt;250 To 500, Deduct</i>	-0.31	
		<i>For &gt;500, Deduct</i>	-0.46	
26 05 29 00-0296	EA	3/4" Diameter Center, Bridle Ring (Caddy 2BR12) .....	1.92	
		<i>For &gt;50 To 100, Deduct</i>	-0.08	
		<i>For &gt;100 To 250, Deduct</i>	-0.16	
		<i>For &gt;250 To 500, Deduct</i>	-0.31	
		<i>For &gt;500, Deduct</i>	-0.46	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
26 05 29 00-0297	EA		1-1/4" Diameter Center, Bridle Ring (Caddy 2BR20).....	2.07	
			<i>For &gt;50 To 100, Deduct</i>	-0.09	
			<i>For &gt;100 To 250, Deduct</i>	-0.17	
			<i>For &gt;250 To 500, Deduct</i>	-0.32	
			<i>For &gt;500, Deduct</i>	-0.48	
26 05 29 00-0298	EA		2" Diameter Center, Bridle Ring (Caddy 2BR32).....	2.37	
			<i>For &gt;50 To 100, Deduct</i>	-0.09	
			<i>For &gt;100 To 250, Deduct</i>	-0.19	
			<i>For &gt;250 To 500, Deduct</i>	-0.35	
			<i>For &gt;500, Deduct</i>	-0.51	
<b>26 05 29 00-0299</b>			<b>Wire Ties</b> <small>(26 05 29 00-0165)</small>		
			Note: Per hundred (C).		
26 05 29 00-0300	C		3" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	27.24	
			<i>For Up To 0.1, Add</i>	22.62	
			<i>For &gt;0.1 To 0.25, Add</i>	11.31	
			<i>For &gt;0.25 To 0.75, Add</i>	5.66	
			<i>For &gt;2.0, Deduct</i>	-2.26	
			<i>For UV Black, Add</i>	0.69	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.79	
26 05 29 00-0301	C		4" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	27.42	
			<i>For Up To 0.1, Add</i>	22.62	
			<i>For &gt;0.1 To 0.25, Add</i>	11.31	
			<i>For &gt;0.25 To 0.75, Add</i>	5.66	
			<i>For &gt;2.0, Deduct</i>	-2.26	
			<i>For UV Black, Add</i>	0.72	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.79	
26 05 29 00-0302	C		4-3/4" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	27.54	
			<i>For Up To 0.1, Add</i>	22.62	
			<i>For &gt;0.1 To 0.25, Add</i>	11.31	
			<i>For &gt;0.25 To 0.75, Add</i>	5.66	
			<i>For &gt;2.0, Deduct</i>	-2.26	
			<i>For UV Black, Add</i>	0.74	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.79	
26 05 29 00-0303	C		5-1/2" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	27.59	
			<i>For Up To 0.1, Add</i>	22.62	
			<i>For &gt;0.1 To 0.25, Add</i>	11.31	
			<i>For &gt;0.25 To 0.75, Add</i>	5.66	
			<i>For &gt;2.0, Deduct</i>	-2.26	
			<i>For UV Black, Add</i>	0.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.79	
26 05 29 00-0304	C		6-1/2" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	28.63	
			<i>For Up To 0.1, Add</i>	23.60	
			<i>For &gt;0.1 To 0.25, Add</i>	11.80	
			<i>For &gt;0.25 To 0.75, Add</i>	5.90	
			<i>For &gt;2.0, Deduct</i>	-2.36	
			<i>For UV Black, Add</i>	0.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.08	
26 05 29 00-0305	C		8" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	33.61	
			<i>For Up To 0.1, Add</i>	24.68	
			<i>For &gt;0.1 To 0.25, Add</i>	12.34	
			<i>For &gt;0.25 To 0.75, Add</i>	6.17	
			<i>For &gt;2.0, Deduct</i>	-2.47	
			<i>For UV Black, Add</i>	1.34	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.40	
26 05 29 00-0306	C		4-3/4" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	32.19	
			<i>For Up To 0.1, Add</i>	22.62	
			<i>For &gt;0.1 To 0.25, Add</i>	11.31	
			<i>For &gt;0.25 To 0.75, Add</i>	5.66	
			<i>For &gt;2.0, Deduct</i>	-2.26	
			<i>For UV Black, Add</i>	1.44	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.79	
26 05 29 00-0307	C		6" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	33.24	
			<i>For Up To 0.1, Add</i>	23.60	
			<i>For &gt;0.1 To 0.25, Add</i>	11.80	
			<i>For &gt;0.25 To 0.75, Add</i>	5.90	
			<i>For &gt;2.0, Deduct</i>	-2.36	
			<i>For UV Black, Add</i>	1.45	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.08	
26 05 29 00-0308	C		8" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	34.38	
			<i>For Up To 0.1, Add</i>	24.68	
			<i>For &gt;0.1 To 0.25, Add</i>	12.34	
			<i>For &gt;0.25 To 0.75, Add</i>	6.17	
			<i>For &gt;2.0, Deduct</i>	-2.47	
			<i>For UV Black, Add</i>	1.46	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.40	
26 05 29 00-0309	C		10" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	48.97	
			<i>For Up To 0.1, Add</i>	26.61	
			<i>For &gt;0.1 To 0.25, Add</i>	13.31	
			<i>For &gt;0.25 To 0.75, Add</i>	6.65	
			<i>For &gt;2.0, Deduct</i>	-2.66	
			<i>For UV Black, Add</i>	3.35	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.98	
26 05 29 00-0310	C		11-1/2" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	51.00	
			<i>For Up To 0.1, Add</i>	26.61	
			<i>For &gt;0.1 To 0.25, Add</i>	13.31	
			<i>For &gt;0.25 To 0.75, Add</i>	6.65	
			<i>For &gt;2.0, Deduct</i>	-2.66	
			<i>For UV Black, Add</i>	3.66	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.98	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 29 00-0311	C 7" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	35.79	
	For Up To 0.1, Add	24.68	
	For >0.1 To 0.25, Add	12.34	
	For >0.25 To 0.75, Add	6.17	
	For >2.0, Deduct	-2.47	
	For UV Black, Add	1.67	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.40	
26 05 29 00-0312	C 8" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	34.00	
	For Up To 0.1, Add	24.68	
	For >0.1 To 0.25, Add	12.34	
	For >0.25 To 0.75, Add	6.17	
	For >2.0, Deduct	-2.47	
	For UV Black, Add	1.40	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.40	
26 05 29 00-0313	C 11" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	49.53	
	For Up To 0.1, Add	26.61	
	For >0.1 To 0.25, Add	13.31	
	For >0.25 To 0.75, Add	6.65	
	For >2.0, Deduct	-2.66	
	For UV Black, Add	3.44	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.98	
26 05 29 00-0314	C 14-1/2" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	56.45	
	For Up To 0.1, Add	28.27	
	For >0.1 To 0.25, Add	14.14	
	For >0.25 To 0.75, Add	7.07	
	For >2.0, Deduct	-2.83	
	For UV Black, Add	4.23	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.48	
26 05 29 00-0315	C 8" Length, 120 LB Tensile Strength, Nylon Cable Ties.....	54.92	
	For Up To 0.1, Add	24.68	
	For >0.1 To 0.25, Add	12.34	
	For >0.25 To 0.75, Add	6.17	
	For >2.0, Deduct	-2.47	
	For UV Black, Add	4.54	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.40	
26 05 29 00-0316	C 11" Length, 120 LB Tensile Strength, Nylon Cable Ties.....	60.09	
	For Up To 0.1, Add	26.61	
	For >0.1 To 0.25, Add	13.31	
	For >0.25 To 0.75, Add	6.65	
	For >2.0, Deduct	-2.66	
	For UV Black, Add	5.02	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.98	
26 05 29 00-0317	C 15" Length, 120 LB Tensile Strength, Nylon Cable Ties.....	72.30	
	For Up To 0.1, Add	28.27	
	For >0.1 To 0.25, Add	14.14	
	For >0.25 To 0.75, Add	7.07	
	For >2.0, Deduct	-2.83	
	For UV Black, Add	6.60	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.48	
26 05 29 00-0318	C 17" Length, 120 LB Tensile Strength, Nylon Cable Ties.....	102.30	
	For Up To 0.1, Add	30.16	
	For >0.1 To 0.25, Add	15.08	
	For >0.25 To 0.75, Add	7.54	
	For >2.0, Deduct	-3.02	
	For UV Black, Add	10.82	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.05	
26 05 29 00-0319	C 17-3/4" Length, 175 LB Tensile Strength, Nylon Cable Ties.....	99.22	
	For Up To 0.1, Add	30.16	
	For >0.1 To 0.25, Add	15.08	
	For >0.25 To 0.75, Add	7.54	
	For >2.0, Deduct	-3.02	
	For UV Black, Add	10.36	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.05	
26 05 29 00-0320	C 21-11/16" Length, 175 LB Tensile Strength, Nylon Cable Ties.....	120.31	
	For Up To 0.1, Add	31.57	
	For >0.1 To 0.25, Add	15.79	
	For >0.25 To 0.75, Add	7.89	
	For >2.0, Deduct	-3.16	
	For UV Black, Add	13.31	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.47	
26 05 29 00-0321	C 30" Length, 175 LB Tensile Strength, Nylon Cable Ties.....	138.88	
	For Up To 0.1, Add	33.10	
	For >0.1 To 0.25, Add	16.55	
	For >0.25 To 0.75, Add	8.28	
	For >2.0, Deduct	-3.31	
	For UV Black, Add	15.87	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.93	
26 05 29 00-0322	C 46" Length, 175 LB Tensile Strength, Nylon Cable Ties.....	189.40	
	For Up To 0.1, Add	35.71	
	For >0.1 To 0.25, Add	17.86	
	For >0.25 To 0.75, Add	8.93	
	For >2.0, Deduct	-3.57	
	For UV Black, Add	23.05	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.71	
26 05 29 00-0323	C 3/4" x 3/4" Self Adhesive Tie Mounts.....	36.18	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.18	
26 05 29 00-0324	C 1.1" x 1.1" Tie Mounts With Screw.....	71.80	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.36	
26 05 29 00-0325	EA 6" Length x 1/2" Width, Velcro Grip Cable Tie.....	1.99	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.16	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
					UNIT COST	UNIT COST
26 05 29 00-0326	EA			8" Length x 1/2" Width, Velcro Grip Cable Tie.....	1.99	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	0.14	
26 05 29 00-0327	EA			12" Length x 1/2" Width, Velcro Grip Cable Tie.....	2.44	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	0.14	
26 05 29 00-0328	EA			15" Length x 3/4" Width, Velcro Grip Cable Tie.....	3.40	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	0.14	
26 05 29 00-0329	EA			180" Length x 3/4" Width, Velcro Grip Cable Tie Roll.....	86.68	
				Note: Cut to length.		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.02	
<b>26 05 29 00-0330</b>				<b>Fastening Devices For Wireway And Conduit</b> <small>(26 05 29)</small>		
				Note: Includes drilling of holes with power tools in concrete, brick, concrete block, wood, tile or steel and alignment of hangers and supports for bolts.		
<b>26 05 29 00-0331</b>				<b>Toggle Bolts</b> <small>(26 05 29 00-0330)</small>		
				Note: Includes machine screw, toggle wing and drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0332	EA			1/8" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt.....	8.49	
				<i>For &gt;50 To 100, Deduct</i>	-0.81	
				<i>For &gt;100 To 250, Deduct</i>	-1.61	
				<i>For &gt;250 To 500, Deduct</i>	-2.81	
				<i>For &gt;500, Deduct</i>	-4.02	
26 05 29 00-0333	EA			1/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	8.73	
				<i>For &gt;50 To 100, Deduct</i>	-0.83	
				<i>For &gt;100 To 250, Deduct</i>	-1.65	
				<i>For &gt;250 To 500, Deduct</i>	-2.89	
				<i>For &gt;500, Deduct</i>	-4.12	
26 05 29 00-0334	EA			3/16" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt.....	9.23	
				<i>For &gt;50 To 100, Deduct</i>	-0.85	
				<i>For &gt;100 To 250, Deduct</i>	-1.71	
				<i>For &gt;250 To 500, Deduct</i>	-2.98	
				<i>For &gt;500, Deduct</i>	-4.25	
26 05 29 00-0335	EA			3/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	9.46	
				<i>For &gt;50 To 100, Deduct</i>	-0.87	
				<i>For &gt;100 To 250, Deduct</i>	-1.75	
				<i>For &gt;250 To 500, Deduct</i>	-3.05	
				<i>For &gt;500, Deduct</i>	-4.35	
26 05 29 00-0336	EA			1/4" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	9.68	
				<i>For &gt;50 To 100, Deduct</i>	-0.90	
				<i>For &gt;100 To 250, Deduct</i>	-1.79	
				<i>For &gt;250 To 500, Deduct</i>	-3.12	
				<i>For &gt;500, Deduct</i>	-4.45	
26 05 29 00-0337	EA			5/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	11.11	
				<i>For &gt;50 To 100, Deduct</i>	-0.95	
				<i>For &gt;100 To 250, Deduct</i>	-1.89	
				<i>For &gt;250 To 500, Deduct</i>	-3.29	
				<i>For &gt;500, Deduct</i>	-4.68	
26 05 29 00-0338	EA			3/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	11.58	
				<i>For &gt;50 To 100, Deduct</i>	-0.97	
				<i>For &gt;100 To 250, Deduct</i>	-1.95	
				<i>For &gt;250 To 500, Deduct</i>	-3.37	
				<i>For &gt;500, Deduct</i>	-4.80	
<b>26 05 29 00-0339</b>				<b>Machine Screws</b> <small>(26 05 29 00-0330)</small>		
				Note: Includes drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0340	EA			#8 Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	2.51	
				<i>For &gt;50 To 100, Deduct</i>	-0.24	
				<i>For &gt;100 To 250, Deduct</i>	-0.49	
				<i>For &gt;250 To 500, Deduct</i>	-0.85	
				<i>For &gt;500, Deduct</i>	-1.22	
26 05 29 00-0341	EA			#10 Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	2.55	
				<i>For &gt;50 To 100, Deduct</i>	-0.24	
				<i>For &gt;100 To 250, Deduct</i>	-0.49	
				<i>For &gt;250 To 500, Deduct</i>	-0.85	
				<i>For &gt;500, Deduct</i>	-1.22	
26 05 29 00-0342	EA			1/4" Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	3.20	
				<i>For &gt;50 To 100, Deduct</i>	-0.31	
				<i>For &gt;100 To 250, Deduct</i>	-0.61	
				<i>For &gt;250 To 500, Deduct</i>	-1.07	
				<i>For &gt;500, Deduct</i>	-1.53	
26 05 29 00-0343	EA			5/16" Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	3.36	
				<i>For &gt;50 To 100, Deduct</i>	-0.31	
				<i>For &gt;100 To 250, Deduct</i>	-0.62	
				<i>For &gt;250 To 500, Deduct</i>	-1.08	
				<i>For &gt;500, Deduct</i>	-1.54	
26 05 29 00-0344	EA			3/8" Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	4.15	
				<i>For &gt;50 To 100, Deduct</i>	-0.37	
				<i>For &gt;100 To 250, Deduct</i>	-0.75	
				<i>For &gt;250 To 500, Deduct</i>	-1.30	
				<i>For &gt;500, Deduct</i>	-1.86	
<b>26 05 29 00-0345</b>				<b>Hex Lag Bolts With Lag Shield Expansion Anchors</b> <small>(26 05 29 00-0330)</small>		
				Note: Includes lag bolt, lag shield expansion anchor and drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0346	EA			1/4" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor.....	4.22	
				<i>For &gt;50 To 100, Deduct</i>	-0.33	
				<i>For &gt;100 To 250, Deduct</i>	-0.66	
				<i>For &gt;250 To 500, Deduct</i>	-1.15	
				<i>For &gt;500, Deduct</i>	-1.63	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 05 29 00-0347	EA	5/16" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor .....	4.16
		<i>For &gt;50 To 100, Deduct</i>	-0.33
		<i>For &gt;100 To 250, Deduct</i>	-0.66
		<i>For &gt;250 To 500, Deduct</i>	-1.14
		<i>For &gt;500, Deduct</i>	-1.62
26 05 29 00-0348	EA	3/8" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor .....	5.98
		<i>For &gt;50 To 100, Deduct</i>	-0.42
		<i>For &gt;100 To 250, Deduct</i>	-0.84
		<i>For &gt;250 To 500, Deduct</i>	-1.44
		<i>For &gt;500, Deduct</i>	-2.04
26 05 29 00-0349	EA	1/2" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor .....	7.69
		<i>For &gt;50 To 100, Deduct</i>	-0.51
		<i>For &gt;100 To 250, Deduct</i>	-1.01
		<i>For &gt;250 To 500, Deduct</i>	-1.73
		<i>For &gt;500, Deduct</i>	-2.45

**26 05 29 00-0350 Hanger Lag Bolts With Hex Nuts** (26 05 29 00-0330)

Note: Includes hanger lag bolt (threaded one side), hex nut and drilling in concrete, concrete block, wood or steel.

26 05 29 00-0351	EA	1/4" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut .....	3.13
		<i>For &gt;50 To 100, Deduct</i>	-0.26
		<i>For &gt;100 To 250, Deduct</i>	-0.52
		<i>For &gt;250 To 500, Deduct</i>	-0.90
		<i>For &gt;500, Deduct</i>	-1.28
26 05 29 00-0352	EA	5/16" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut .....	3.19
		<i>For &gt;50 To 100, Deduct</i>	-0.26
		<i>For &gt;100 To 250, Deduct</i>	-0.52
		<i>For &gt;250 To 500, Deduct</i>	-0.90
		<i>For &gt;500, Deduct</i>	-1.28
26 05 29 00-0353	EA	3/8" Diameter, 2-1/2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut .....	3.79
		<i>For &gt;50 To 100, Deduct</i>	-0.30
		<i>For &gt;100 To 250, Deduct</i>	-0.59
		<i>For &gt;250 To 500, Deduct</i>	-1.02
		<i>For &gt;500, Deduct</i>	-1.45

**26 05 29 00-0354 Hollow Wall Screw Anchors** (26 05 29 00-0330)

26 05 29 00-0355	EA	6-32 Screw Size, 5/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor .....	1.83
		<i>For &gt;50 To 100, Deduct</i>	-0.15
		<i>For &gt;100 To 250, Deduct</i>	-0.31
		<i>For &gt;250 To 500, Deduct</i>	-0.53
		<i>For &gt;500, Deduct</i>	-0.76
26 05 29 00-0356	EA	6-32 Screw Size, 5/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor .....	1.90
		<i>For &gt;50 To 100, Deduct</i>	-0.16
		<i>For &gt;100 To 250, Deduct</i>	-0.31
		<i>For &gt;250 To 500, Deduct</i>	-0.54
		<i>For &gt;500, Deduct</i>	-0.77
26 05 29 00-0357	EA	6-32 Screw Size, 5/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor .....	2.00
		<i>For &gt;50 To 100, Deduct</i>	-0.16
		<i>For &gt;100 To 250, Deduct</i>	-0.32
		<i>For &gt;250 To 500, Deduct</i>	-0.55
		<i>For &gt;500, Deduct</i>	-0.78
26 05 29 00-0358	EA	10-24 Screw Size, 3/8" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor .....	2.56
		<i>For &gt;50 To 100, Deduct</i>	-0.19
		<i>For &gt;100 To 250, Deduct</i>	-0.38
		<i>For &gt;250 To 500, Deduct</i>	-0.65
		<i>For &gt;500, Deduct</i>	-0.93
26 05 29 00-0359	EA	10-24 Screw Size, 3/8" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor .....	2.70
		<i>For &gt;50 To 100, Deduct</i>	-0.19
		<i>For &gt;100 To 250, Deduct</i>	-0.39
		<i>For &gt;250 To 500, Deduct</i>	-0.66
		<i>For &gt;500, Deduct</i>	-0.94
26 05 29 00-0360	EA	10-24 Screw Size, 3/8" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor .....	2.74
		<i>For &gt;50 To 100, Deduct</i>	-0.19
		<i>For &gt;100 To 250, Deduct</i>	-0.39
		<i>For &gt;250 To 500, Deduct</i>	-0.67
		<i>For &gt;500, Deduct</i>	-0.95
26 05 29 00-0361	EA	1/4-20 Screw Size, 7/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor .....	2.76
		<i>For &gt;50 To 100, Deduct</i>	-0.20
		<i>For &gt;100 To 250, Deduct</i>	-0.39
		<i>For &gt;250 To 500, Deduct</i>	-0.67
		<i>For &gt;500, Deduct</i>	-0.95
26 05 29 00-0362	EA	1/4-20 Screw Size, 7/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor .....	2.96
		<i>For &gt;50 To 100, Deduct</i>	-0.20
		<i>For &gt;100 To 250, Deduct</i>	-0.40
		<i>For &gt;250 To 500, Deduct</i>	-0.68
		<i>For &gt;500, Deduct</i>	-0.97
26 05 29 00-0363	EA	1/4-20 Screw Size, 7/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor .....	3.04
		<i>For &gt;50 To 100, Deduct</i>	-0.20
		<i>For &gt;100 To 250, Deduct</i>	-0.40
		<i>For &gt;250 To 500, Deduct</i>	-0.69
		<i>For &gt;500, Deduct</i>	-0.98

**26 05 29 00-0364 Lead Screw Anchors** (26 05 29 00-0330)

Note: Includes screw.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<p>26 05 29 00-0365 EA #6-8 Screw Size, 1/4" Hole Diameter, Lead Screw Anchor With Screw ..... 4.21  <i>For &gt;50 To 100, Deduct -0.38</i>  <i>For &gt;100 To 250, Deduct -0.76</i>  <i>For &gt;250 To 500, Deduct -1.33</i>  <i>For &gt;500, Deduct -1.90</i></p> <p>26 05 29 00-0366 EA #10-14 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw ..... 5.03  <i>For &gt;50 To 100, Deduct -0.45</i>  <i>For &gt;100 To 250, Deduct -0.89</i>  <i>For &gt;250 To 500, Deduct -1.55</i>  <i>For &gt;500, Deduct -2.21</i></p> <p>26 05 29 00-0367 EA #16-18 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw ..... 6.86  <i>For &gt;50 To 100, Deduct -0.58</i>  <i>For &gt;100 To 250, Deduct -1.16</i>  <i>For &gt;250 To 500, Deduct -2.01</i>  <i>For &gt;500, Deduct -2.86</i></p>	<p><b>26 05 29 00-0368 Acoustical T-Bar Clips <small>(26 05 29 00-0330)</small></b>            Note: For conduit installation above suspended ceilings up to 15' height.</p> <p>26 05 29 00-0369 EA 1/2" Conduit, Push-In Acoustical T-Bar Clip ..... 6.38  <i>For &gt;50 To 100, Deduct -0.51</i>  <i>For &gt;100 To 250, Deduct -1.01</i>  <i>For &gt;250 To 500, Deduct -1.75</i>  <i>For &gt;500, Deduct -2.48</i></p> <p>26 05 29 00-0370 EA 3/4" Conduit, Push-In Acoustical T-Bar Clip ..... 6.69  <i>For &gt;50 To 100, Deduct -0.53</i>  <i>For &gt;100 To 250, Deduct -1.06</i>  <i>For &gt;250 To 500, Deduct -1.84</i>  <i>For &gt;500, Deduct -2.61</i></p> <p>26 05 29 00-0371 EA 1" Conduit, Push-In Acoustical T-Bar Clip ..... 7.26  <i>For &gt;50 To 100, Deduct -0.57</i>  <i>For &gt;100 To 250, Deduct -1.13</i>  <i>For &gt;250 To 500, Deduct -1.95</i>  <i>For &gt;500, Deduct -2.77</i></p>	<p><b>26 05 29 00-0372 Threaded Rod, Accessories And Attachments <small>(26 05 29)</small></b></p> <p><b>26 05 29 00-0373 Threaded Rod And Rod Accessories <small>(26 05 29 00-0372)</small></b></p> <p><b>26 05 29 00-0374 Carbon Steel Threaded Rod <small>(26 05 29 00-0373)</small></b>            Note: Includes plain finish.</p> <p>26 05 29 00-0375 LF 3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod ..... 3.08 0.68  <i>For Galvanized, Add 0.69</i>  <i>For Zinc Coated, Add 0.49</i></p> <p>26 05 29 00-0376 LF 1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod ..... 4.19 0.72  <i>For Galvanized, Add 1.10</i>  <i>For Zinc Coated, Add 0.78</i></p> <p>26 05 29 00-0377 LF 5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod ..... 5.74 0.75  <i>For Galvanized, Add 1.70</i>  <i>For Zinc Coated, Add 1.21</i></p> <p>26 05 29 00-0378 LF 3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod ..... 9.25 0.77  <i>For Galvanized, Add 3.08</i>  <i>For Zinc Coated, Add 2.19</i></p> <p>26 05 29 00-0379 LF 7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod ..... 10.07 0.79  <i>For Galvanized, Add 3.39</i>  <i>For Zinc Coated, Add 2.41</i></p> <p>26 05 29 00-0380 LF 1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod ..... 13.70 0.90  <i>For Galvanized, Add 4.76</i>  <i>For Zinc Coated, Add 3.39</i></p> <p>26 05 29 00-0381 LF 1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod ..... 17.00 1.00  <i>For Galvanized, Add 6.00</i>  <i>For Zinc Coated, Add 4.27</i></p>
<p><b>26 05 29 00-0382 Threaded Rod Couplings <small>(26 05 29 00-0373)</small></b></p> <p>26 05 29 00-0383 EA 3/8" Diameter, Threaded Rod Coupling Nut ..... 8.91</p> <p>26 05 29 00-0384 EA 1/2" Diameter, Threaded Rod Coupling Nut ..... 10.12</p> <p>26 05 29 00-0385 EA 5/8" Diameter, Threaded Rod Coupling Nut ..... 12.76</p> <p>26 05 29 00-0386 EA 3/4" Diameter, Threaded Rod Coupling Nut ..... 15.68</p> <p>26 05 29 00-0387 EA 7/8" Diameter, Threaded Rod Coupling Nut ..... 23.38</p> <p>26 05 29 00-0388 EA 1" Diameter, Threaded Rod Coupling Nut ..... 27.73</p> <p>26 05 29 00-0389 EA 1-1/8" Diameter, Threaded Rod Coupling Nut ..... 54.13</p>	<p><b>26 05 29 00-0390 Flat Washers <small>(26 05 29 00-0373)</small></b></p> <p>26 05 29 00-0391 EA 3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer ..... 0.76 0.27  <i>For Galvanized, Add 0.04</i></p> <p>26 05 29 00-0392 EA 1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer ..... 1.00 0.27  <i>For Galvanized, Add 0.08</i></p> <p>26 05 29 00-0393 EA 5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer ..... 1.32 0.27  <i>For Galvanized, Add 0.15</i></p> <p>26 05 29 00-0394 EA 3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer ..... 1.63 0.54  <i>For Galvanized, Add 0.22</i></p> <p>26 05 29 00-0395 EA 7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer ..... 1.84 0.54  <i>For Galvanized, Add 0.26</i></p> <p>26 05 29 00-0396 EA 1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer ..... 2.19 0.54  <i>For Galvanized, Add 0.32</i></p>	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0397	EA		1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	2.45	0.54
			For Galvanized, Add	0.36	
<b>26 05 29 00-0398</b>			<b>Malleable Iron Eye Sockets (26 05 29 00-0373)</b>		
			Note: Type 16.		
26 05 29 00-0399	EA		3/8" Rod Size, Malleable Iron Eye Socket.....	9.67	
26 05 29 00-0400	EA		1/2" Rod Size, Malleable Iron Eye Socket.....	11.54	
26 05 29 00-0401	EA		5/8" Rod Size, Malleable Iron Eye Socket.....	19.92	
26 05 29 00-0402	EA		3/4" Rod Size, Malleable Iron Eye Socket.....	28.31	
26 05 29 00-0403	EA		7/8" Rod Size, Malleable Iron Eye Socket.....	30.18	
<b>26 05 29 00-0404</b>			<b>Hex Nuts (26 05 29 00-0373)</b>		
26 05 29 00-0405	EA		3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.73	0.27
			For Galvanized, Add	0.03	
26 05 29 00-0406	EA		1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.95	0.27
			For Galvanized, Add	0.07	
26 05 29 00-0407	EA		5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.32	0.27
			For Galvanized, Add	0.15	
26 05 29 00-0408	EA		3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.58	0.54
			For Galvanized, Add	0.21	
26 05 29 00-0409	EA		7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	2.34	0.54
			For Galvanized, Add	0.39	
26 05 29 00-0410	EA		1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	3.00	0.54
			For Galvanized, Add	0.53	
26 05 29 00-0411	EA		1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	4.98	0.54
			For Galvanized, Add	1.00	
<b>26 05 29 00-0412</b>			<b>Forged Steel Turnbuckles (26 05 29 00-0373)</b>		
			Note: Type 13.		
26 05 29 00-0413	EA		3/8" Thread Diameter, Forged Steel Turnbuckle Body.....	23.88	
26 05 29 00-0414	EA		1/2" Thread Diameter, Forged Steel Turnbuckle Body.....	29.36	
26 05 29 00-0415	EA		5/8" Thread Diameter, Forged Steel Turnbuckle Body.....	39.06	
26 05 29 00-0416	EA		3/4" Thread Diameter, Forged Steel Turnbuckle Body.....	48.20	
26 05 29 00-0417	EA		7/8" Thread Diameter, Forged Steel Turnbuckle Body.....	116.61	
26 05 29 00-0418	EA		1" Thread Diameter, Forged Steel Turnbuckle Body.....	78.59	
26 05 29 00-0419	EA		1-1/4" Thread Diameter, Forged Steel Turnbuckle Body.....	156.36	
<b>26 05 29 00-0420</b>			<b>Attachments (26 05 29 00-0372)</b>		
<b>26 05 29 00-0421</b>			<b>Welded Beam Attachments (26 05 29 00-0420)</b>		
			Note: Type 22.		
26 05 29 00-0422	EA		3/8" Rod Size, Welded Beam Attachment.....	44.02	10.84
26 05 29 00-0423	EA		1/2" Rod Size, Welded Beam Attachment.....	46.92	11.38
26 05 29 00-0424	EA		5/8" Rod Size, Welded Beam Attachment.....	49.92	12.03
26 05 29 00-0425	EA		3/4" Rod Size, Welded Beam Attachment.....	62.92	12.79
26 05 29 00-0426	EA		7/8" Rod Size, Welded Beam Attachment.....	74.99	13.54
26 05 29 00-0427	EA		1" Rod Size, Welded Beam Attachment.....	104.08	15.50
26 05 29 00-0428	EA		1-1/8" Rod Size, Welded Beam Attachment.....	145.71	16.26
<b>26 05 29 00-0429</b>			<b>C-Clamp Style Beam Clamps (26 05 29 00-0420)</b>		
			Note: Type 23. Top or bottom flange mount.		
26 05 29 00-0430	EA		3/8" Rod Size, C-Clamp Style Beam Clamp.....	16.30	8.15
26 05 29 00-0431	EA		1/2" Rod Size, C-Clamp Style Beam Clamp.....	19.20	8.69
26 05 29 00-0432	EA		5/8" Rod Size, C-Clamp Style Beam Clamp.....	21.66	9.30
26 05 29 00-0433	EA		3/4" Rod Size, C-Clamp Style Beam Clamp.....	27.38	10.02
26 05 29 00-0434	EA		7/8" Rod Size, C-Clamp Style Beam Clamp.....	38.84	10.86
<b>26 05 29 00-0435</b>			<b>Bottom Mount I-Beam Clamps (26 05 29 00-0420)</b>		
			Note: Type 21. For attaching threaded rod centered under beam flanges.		
26 05 29 00-0436	EA		3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp.....	42.10	10.86
26 05 29 00-0437	EA		1/2" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp.....	60.86	11.84
26 05 29 00-0438	EA		5/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp.....	86.01	13.03
26 05 29 00-0439	EA		3/4" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp.....	102.67	14.47
26 05 29 00-0440	EA		1" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp.....	244.04	16.29
<b>26 05 29 00-0441</b>			<b>Steel U-Bolts (26 05 29 00-0420)</b>		
			Note: Type 24. Includes plate and nuts.		
26 05 29 00-0442	EA		1/2" Pipe Size, Zinc Plated Steel, U-Bolt.....	13.26	6.52
26 05 29 00-0443	EA		3/4" Pipe Size, Zinc Plated Steel, U-Bolt.....	14.34	6.86
26 05 29 00-0444	EA		1" Pipe Size, Zinc Plated Steel, U-Bolt.....	15.39	7.24
26 05 29 00-0445	EA		1-1/4" Pipe Size, Zinc Plated Steel, U-Bolt.....	17.36	7.66
26 05 29 00-0446	EA		1-1/2" Pipe Size, Zinc Plated Steel, U-Bolt.....	17.99	8.15
26 05 29 00-0447	EA		2" Pipe Size, Zinc Plated Steel, U-Bolt.....	19.24	8.69
26 05 29 00-0448	EA		2-1/2" Pipe Size, Zinc Plated Steel, U-Bolt.....	26.94	9.31
26 05 29 00-0449	EA		3" Pipe Size, Zinc Plated Steel, U-Bolt.....	29.64	10.02
26 05 29 00-0450	EA		4" Pipe Size, Zinc Plated Steel, U-Bolt.....	35.51	10.86
<b>26 05 29 00-0451</b>			<b>Stainless Steel Threaded Rod (26 05 29 00-0372)</b>		

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 29 00-0452	LF 1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For 316 Stainless Steel, Add</i>	3.42 0.95	0.54
26 05 29 00-0453	LF 5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For 316 Stainless Steel, Add</i>	5.19 1.62	0.59
26 05 29 00-0454	LF 3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For 316 Stainless Steel, Add</i>	6.69 2.16	0.68
26 05 29 00-0455	LF 7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For 316 Stainless Steel, Add</i>	9.33 3.21	0.70
26 05 29 00-0456	LF 1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For 316 Stainless Steel, Add</i>	11.22 3.96	0.72
26 05 29 00-0457	LF 5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For 316 Stainless Steel, Add</i>	16.86 6.23	0.73
26 05 29 00-0458	LF 3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For 316 Stainless Steel, Add</i>	23.65 8.97	0.75
26 05 29 00-0459	LF 7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For 316 Stainless Steel, Add</i>	32.58 12.57	0.77
26 05 29 00-0460	LF 1" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For 316 Stainless Steel, Add</i>	41.88 16.23	0.90
26 05 29 00-0461	LF 1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For 316 Stainless Steel, Add</i>	88.77 35.04	1.08

**26 05 29 00-0462 Polyvinyl Chloride (PVC) Coated Supports** (26 05 29)  
 Note: Includes stainless steel and/or Polyvinyl Chloride (PVC) coated hardware.

**26 05 29 00-0463 Polyvinyl Chloride (PVC) Coated Beam Clamps** (26 05 29 00-0462)

**26 05 29 00-0464 Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamps** (26 05 29 00-0463)

26 05 29 00-0465	EA 1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	66.33	21.67
26 05 29 00-0466	EA 3/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	72.02	23.63
26 05 29 00-0467	EA 1", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	76.35	26.01
26 05 29 00-0468	EA 1-1/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	93.03	28.93
26 05 29 00-0469	EA 1-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	108.01	32.51
26 05 29 00-0470	EA 2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	131.16	35.77
26 05 29 00-0471	EA 2-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	143.50	39.02
26 05 29 00-0472	EA 3", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	158.48	42.26
26 05 29 00-0473	EA 3-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	166.81	45.51
26 05 29 00-0474	EA 4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	180.56	48.77

**26 05 29 00-0475 Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamps** (26 05 29 00-0463)

26 05 29 00-0476	EA 1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	72.16	21.67
26 05 29 00-0477	EA 3/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	75.97	23.63
26 05 29 00-0478	EA 1", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	88.18	26.01
26 05 29 00-0479	EA 1-1/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	97.23	28.93
26 05 29 00-0480	EA 1-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	109.64	32.51
26 05 29 00-0481	EA 2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	128.38	35.77
26 05 29 00-0482	EA 2-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	148.77	39.02
26 05 29 00-0483	EA 3", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	165.46	42.26
26 05 29 00-0484	EA 3-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	175.59	45.51
26 05 29 00-0485	EA 4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	181.74	48.77

**26 05 29 00-0486 Edge, Polyvinyl Chloride (PVC) Coated Beam Clamps** (26 05 29 00-0463)

26 05 29 00-0487	EA 1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	67.53	21.45
26 05 29 00-0488	EA 3/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	72.41	23.41
26 05 29 00-0489	EA 1", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	82.29	26.01
26 05 29 00-0490	EA 1-1/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	97.74	28.61
26 05 29 00-0491	EA 1-1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	130.30	32.51
26 05 29 00-0492	EA 2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	142.80	35.77

**26 05 29 00-0493 Polyvinyl Chloride (PVC) Coated Conduit Straps** (26 05 29 00-0462)

**26 05 29 00-0494 One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps** (26 05 29 00-0493)

26 05 29 00-0495	EA 1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	9.38	0.65
26 05 29 00-0496	EA 3/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	10.22	0.65
26 05 29 00-0497	EA 1", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	15.21	0.65
26 05 29 00-0498	EA 1-1/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	18.58	0.65
26 05 29 00-0499	EA 1-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	24.57	0.65
26 05 29 00-0500	EA 2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	37.11	0.65
26 05 29 00-0501	EA 2-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	49.56	0.65
26 05 29 00-0502	EA 3", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	66.52	0.65
26 05 29 00-0503	EA 3-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	118.02	0.65
26 05 29 00-0504	EA 4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	125.45	0.65

**26 05 29 00-0505 Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps** (26 05 29 00-0493)

26 05 29 00-0506	EA 1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	18.49	1.30
26 05 29 00-0507	EA 3/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	18.57	1.30
26 05 29 00-0508	EA 1", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	19.08	1.30
26 05 29 00-0509	EA 1-1/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	24.21	1.30
26 05 29 00-0510	EA 1-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	24.91	1.30
26 05 29 00-0511	EA 2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	28.69	1.30
26 05 29 00-0512	EA 2-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	32.37	1.30
26 05 29 00-0513	EA 3", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	33.88	1.30

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 29 Hangers and Supports for Electrical Systems**



			TOTAL DIRECT	DEMOLITION
MINOR	CSI	UOM	UNIT COST	UNIT COST
DESCRIPTION				
26 05 29 00-0514	EA	3-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	36.23	1.30
26 05 29 00-0515	EA	4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	39.37	1.30
<b>26 05 29 00-0516</b>		<b>Polyvinyl Chloride (PVC) Coated Clamp Back Spacer (26 05 29 00-0462)</b>		
<b>26 05 29 00-0517</b>		<b>Polyvinyl Chloride (PVC) Coated Clamp Back Spacer (26 05 29 00-0516)</b>		
26 05 29 00-0518	EA	1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	16.69	1.30
26 05 29 00-0519	EA	3/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	19.55	1.30
26 05 29 00-0520	EA	1" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	24.80	1.30
26 05 29 00-0521	EA	1-1/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	29.14	1.30
26 05 29 00-0522	EA	1-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	39.29	1.30
26 05 29 00-0523	EA	2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	49.96	1.30
26 05 29 00-0524	EA	2-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	97.66	1.30
26 05 29 00-0525	EA	3" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	133.66	1.30
26 05 29 00-0526	EA	3-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	234.57	1.30
26 05 29 00-0527	EA	4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	234.57	1.30
<b>26 05 29 00-0528</b>		<b>Polyvinyl Chloride (PVC) Coated Threaded Rod And Accessories (26 05 29 00-0462)</b>		
<b>26 05 29 00-0529</b>		<b>Polyvinyl Chloride (PVC) Coated Threaded Rod (26 05 29 00-0528)</b>		
26 05 29 00-0530	LF	3/8" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod.....	11.57	0.86
26 05 29 00-0531	LF	1/2" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod.....	14.28	0.97
<b>26 05 29 00-0532</b>		<b>Attachments (26 05 29 00-0462)</b>		
<b>26 05 29 00-0533</b>		<b>Polyvinyl Chloride (PVC) Coated U-Bolts And Encapsulation Nuts (26 05 29 00-0532)</b>		
26 05 29 00-0534	EA	1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	19.50	6.52
26 05 29 00-0535	EA	3/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	20.07	6.84
26 05 29 00-0536	EA	1" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	21.12	7.27
26 05 29 00-0537	EA	1-1/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	22.50	7.71
26 05 29 00-0538	EA	1-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	23.97	8.15
26 05 29 00-0539	EA	2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	27.23	8.69
26 05 29 00-0540	EA	2-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	41.28	9.34
26 05 29 00-0541	EA	3" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	43.14	9.99
26 05 29 00-0542	EA	4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	45.88	10.86
26 05 29 00-0543	EA	5" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	78.11	12.37
26 05 29 00-0544	EA	6" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	97.42	14.33
<b>26 05 29 00-0545</b>		<b>Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamps (26 05 29 00-0532)</b>		
26 05 29 00-0546	EA	1/4", 20 Hole, 15/16" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	68.39	21.45
26 05 29 00-0547	EA	5/16", 18 Hole, 7/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	82.27	21.45
26 05 29 00-0548	EA	3/8", 16 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	87.99	21.45
26 05 29 00-0549	EA	1/2", 13 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	97.65	22.76
26 05 29 00-0550	EA	1/2", 13 Hole, 2-1/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	114.73	26.01
<b>26 05 29 00-0551</b>		<b>Polyvinyl Chloride (PVC) Coated Pipe Straps (26 05 29 00-0532)</b>		
		Note: Includes stainless steel nuts and bolts.		
26 05 29 00-0552	EA	1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	21.50	7.16
26 05 29 00-0553	EA	3/4" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	22.60	7.80
26 05 29 00-0554	EA	1" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	24.62	8.45
26 05 29 00-0555	EA	1-1/4" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	27.72	9.75
26 05 29 00-0556	EA	1-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	31.73	11.06
26 05 29 00-0557	EA	2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	35.29	11.71
26 05 29 00-0558	EA	2-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	38.98	13.00
26 05 29 00-0559	EA	3" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	46.39	14.31
26 05 29 00-0560	EA	3-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	50.73	14.96
26 05 29 00-0561	EA	4" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	53.30	16.26
26 05 29 00-0562	EA	5" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	56.94	18.20
<b>26 05 29 00-0563</b>		<b>Polyvinyl Chloride (PVC) Coated Channel (26 05 29 00-0462)</b>		
26 05 29 00-0564	LF	A12, Polyvinyl Chloride (PVC) Coated Channel.....	22.34	3.25
26 05 29 00-0565	LF	A12A, Polyvinyl Chloride (PVC) Coated Channel.....	39.58	4.55
26 05 29 00-0566	LF	A12P, Polyvinyl Chloride (PVC) Coated Channel.....	23.86	3.25
26 05 29 00-0567	LF	C14, Polyvinyl Chloride (PVC) Coated Channel.....	17.68	3.25
26 05 29 00-0568	LF	C14P, Polyvinyl Chloride (PVC) Coated Channel.....	18.62	3.25
<b>26 05 29 00-0569</b>		<b>Polymer Concrete Pads (26 05 29)</b>		
		Note: Excludes excavation and backfill.		
<b>26 05 29 00-0570</b>		<b>Polymer Concrete, Box Pads (26 05 29 00-0569)</b>		
26 05 29 00-0571	EA	24" x 36", 18" Depth, Polymer Concrete, Box Pad.....	1,136.95	115.83
26 05 29 00-0572	EA	25" x 25", 24" Depth, Polymer Concrete, Box Pad.....	1,174.36	115.83
26 05 29 00-0573	EA	40" x 44", 15" Depth, Polymer Concrete, Box Pad.....	1,518.10	115.83
26 05 29 00-0574	EA	40" x 44", 24" Depth, Polymer Concrete, Box Pad.....	1,575.10	115.83
26 05 29 00-0575	EA	52" x 36", 18" Depth, Polymer Concrete, Box Pad.....	1,465.05	115.83
26 05 29 00-0576	EA	44" x 44", 32" Depth, Polymer Concrete, Box Pad.....	1,734.20	115.83
26 05 29 00-0577	EA	40" x 58", 24" Depth, Polymer Concrete, Box Pad.....	1,940.58	115.83
26 05 29 00-0578	EA	52" x 50", 18" Depth, Polymer Concrete, Box Pad.....	1,863.52	144.80
26 05 29 00-0579	EA	74" x 76", 36" Depth, Polymer Concrete, Box Pad.....	2,827.79	144.80

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0580 EA 93" x 93", 36" Depth, Polymer Concrete, Box Pad.....	3,796.83	144.80
<b>26 05 29 00-0581 Polymer Concrete, Telecommunications Equipment Pads</b> (26 05 29 00-0569)		
26 05 29 00-0582 EA 42" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad .....	542.11	59.46
26 05 29 00-0583 EA 48" x 46", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad .....	644.30	59.46
26 05 29 00-0584 EA 60" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad .....	843.66	86.88
26 05 29 00-0585 EA 54" x 48", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad .....	881.64	86.88
26 05 29 00-0586 EA 57" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad .....	1,268.26	86.88
26 05 29 00-0587 EA 72" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad .....	1,321.99	86.88
26 05 29 00-0588 EA 64" x 72", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad .....	1,422.11	86.88
26 05 29 00-0589 EA 72" x 64", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad .....	1,422.11	86.88
26 05 29 00-0590 EA 76" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad .....	2,679.97	86.88
26 05 29 00-0591 EA 96" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad .....	3,038.88	86.88
<b>26 05 29 00-0592 Polymer Concrete, Electrical Equipment Pads</b> (26 05 29 00-0569)		
26 05 29 00-0593 EA 24" x 25", 2" Thick, Polymer Concrete, Electrical Equipment Pad .....	325.68	59.46
26 05 29 00-0594 EA 24" x 36", 2" Thick, Polymer Concrete, Electrical Equipment Pad .....	351.95	59.46
26 05 29 00-0595 EA 24" x 44", 2" Thick, Polymer Concrete, Electrical Equipment Pad .....	375.88	59.46
26 05 29 00-0596 EA 24" x 58", 2" Thick, Polymer Concrete, Electrical Equipment Pad .....	455.37	59.46
26 05 29 00-0597 EA 40" x 40", 3" Thick, Polymer Concrete, Electrical Equipment Pad .....	419.90	59.46
26 05 29 00-0598 EA 42" x 42", 3" Thick, Polymer Concrete, Electrical Equipment Pad .....	436.61	59.46
26 05 29 00-0599 EA 48" x 42", 4" Thick, Polymer Concrete, Electrical Equipment Pad .....	479.95	59.46
26 05 29 00-0600 EA 48" x 46", 3" Thick, Polymer Concrete, Electrical Equipment Pad .....	505.22	59.46
26 05 29 00-0601 EA 54" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad .....	589.64	59.46
26 05 29 00-0602 EA 56" x 44", 3" Thick, Polymer Concrete, Electrical Equipment Pad .....	728.70	59.46
26 05 29 00-0603 EA 64" x 64", 4" Thick, Polymer Concrete, Electrical Equipment Pad .....	1,082.00	86.88
26 05 29 00-0604 EA 66" x 72", 4" Thick, Polymer Concrete, Electrical Equipment Pad .....	1,132.82	86.88
26 05 29 00-0605 EA 75" x 52", 4" Thick, Polymer Concrete, Electrical Equipment Pad .....	1,148.86	86.88
26 05 29 00-0606 EA 90" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad .....	1,255.70	86.88
26 05 29 00-0607 EA 84" x 96", 4" Thick, Polymer Concrete, Electrical Equipment Pad .....	2,684.79	86.88
26 05 29 00-0608 EA 96" x 80", 4" Thick, Polymer Concrete, Electrical Equipment Pad .....	3,163.47	86.88
<b>26 05 33 Raceway and Boxes for Electrical Systems</b> (26 05)		
<b>26 05 33 13 Conduit for Electrical Systems</b> (26 05 33)		
<b>26 05 33 13-0001 Conduit Assemblies</b> (26 05 33 13) Note: Includes conduit, fittings and wire. Excludes hangers or supports.		
<b>26 05 33 13-0002 Electrical Metallic Tubing (EMT) Conduit Assemblies</b> (26 05 33 13-0001) Note: Includes conduit, field bends, set screw connectors, set screw couplings, straps, and copper wire as indicated. Per CLF. See CSI section 26 05 19 16-0561 for larger copper conductor, 26 05 33 13-0598 for larger EMT conduit.		
26 05 33 13-0003 CLF 1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....	859.37	241.97
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	207.44	
For 2 #12 THWN Conductor Instead Of THHN, Add	2.20	
26 05 33 13-0004 CLF 1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....	940.74	262.76
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	225.26	
For 3 #12 THWN Conductor Instead Of THHN, Add	3.30	
26 05 33 13-0005 CLF 1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....	1,022.10	283.55
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	243.08	
For 4 #12 THWN Conductor Instead Of THHN, Add	4.39	
26 05 33 13-0006 CLF 1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....	911.14	252.37
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	216.35	
For 2 #10 THWN Conductor Instead Of THHN, Add	3.29	
26 05 33 13-0007 CLF 1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....	1,013.45	276.62
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	237.14	
For 3 #10 THWN Conductor Instead Of THHN, Add	4.94	
26 05 33 13-0008 CLF 1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor .....	1,030.47	273.16
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	234.17	
For 2 #8 THWN Conductor Instead Of THHN, Add	5.74	
26 05 33 13-0009 CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....	968.29	260.88
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	223.59	
For 2 #12 THWN Conductor Instead Of THHN, Add	2.20	

**26 Electrical**  
**26 05 Common Work Results for Electrical**  
**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 05 33	13-0010	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	1,049.67 241.42 3.30	281.67
26 05 33	13-0011	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	1,131.03 259.23	302.46
26 05 33	13-0012	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 5 #12 THWN Conductor Instead Of THHN, Add</i>	1,212.40 277.05 5.49	323.25
26 05 33	13-0013	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #10 THWN Conductor Instead Of THHN, Add</i>	1,020.06 232.50 3.29	271.27
26 05 33	13-0014	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	1,122.38 253.30 4.94	295.53
26 05 33	13-0015	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #10 THWN Conductor Instead Of THHN, Add</i>	1,224.68 274.09 6.59	319.79
26 05 33	13-0016	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 5 #10 THWN Conductor Instead Of THHN, Add</i>	1,326.99 294.88 8.23	344.04
26 05 33	13-0017	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #8 THWN Conductor Instead Of THHN, Add</i>	1,285.93 277.05 8.62	323.25
26 05 33	13-0018	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #8 THWN Conductor Instead Of THHN, Add</i>	1,432.50 303.79 11.49	354.44
26 05 33	13-0019	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #6 THWN Conductor Instead Of THHN, Add</i>	1,298.30 268.15 9.50	312.86
26 05 33	13-0020	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #6 THWN Conductor Instead Of THHN, Add</i>	1,502.19 300.82 14.25	350.98
26 05 33	13-0021	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #12 THWN Conductor Instead Of THHN, Add</i>	1,128.25 240.70 2.20	280.78
26 05 33	13-0022	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	1,209.62 258.52 3.30	301.57
26 05 33	13-0023	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	1,291.00 276.35	322.36
26 05 33	13-0024	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 5 #12 THWN Conductor Instead Of THHN, Add</i>	1,372.37 294.17 5.49	343.15

Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. It lists various electrical conduit assemblies with their descriptions, unit costs, and notes. Includes sub-sections for Rigid Galvanized Steel (RGS) Conduit Assemblies.

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 33 13-0042	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,477.48	328.40
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	281.45	
		<i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	4.94	
26 05 33 13-0043	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,579.79	352.65
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	302.24	
		<i>For 4 #10 THWN Conductor Instead Of THHN, Add</i>	6.59	
26 05 33 13-0044	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	1,641.04	356.12
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	305.21	
		<i>For 3 #8 THWN Conductor Instead Of THHN, Add</i>	8.62	
26 05 33 13-0045	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	1,787.60	387.31
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	331.94	
		<i>For 4 #8 THWN Conductor Instead Of THHN, Add</i>	11.49	
26 05 33 13-0046	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	1,653.42	345.72
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	296.30	
		<i>For 2 #6 THWN Conductor Instead Of THHN, Add</i>	9.50	
26 05 33 13-0047	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	1,857.29	383.84
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	328.97	
		<i>For 3 #6 THWN Conductor Instead Of THHN, Add</i>	14.25	
26 05 33 13-0048	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,737.35	350.78
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	300.67	
		<i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	3.30	
26 05 33 13-0049	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,818.72	371.57
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	318.49	
26 05 33 13-0050	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,900.09	392.35
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	336.31	
		<i>For 5 #12 THWN Conductor Instead Of THHN, Add</i>	5.49	
26 05 33 13-0051	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,810.06	364.64
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	312.55	
		<i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	4.94	
26 05 33 13-0052	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,912.38	388.89
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	333.34	
		<i>For 4 #10 THWN Conductor Instead Of THHN, Add</i>	6.59	
26 05 33 13-0053	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	2,014.68	413.14
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	354.13	
		<i>For 5 #10 THWN Conductor Instead Of THHN, Add</i>	8.23	
26 05 33 13-0054	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	1,973.62	392.35
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	336.31	
		<i>For 3 #8 THWN Conductor Instead Of THHN, Add</i>	8.62	
26 05 33 13-0055	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	2,189.88	420.07
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	360.07	
		<i>For 3 #6 THWN Conductor Instead Of THHN, Add</i>	14.25	
26 05 33 13-0056	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	2,393.76	458.19
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	392.74	
		<i>For 4 #6 THWN Conductor Instead Of THHN, Add</i>	19.00	

26 05 33 13-0057 **Conduit** <sup>(26 05 33 13)</sup>  
 Note: Where 4-1/2" conduit is required, use tasks for 5" conduit. Add couplings as required at each fitting.

26 05 33 13-0058 **Conduit Installed Above Grade** <sup>(26 05 33 13-0057)</sup>  
 See CSI section 26 05 29 00-0000 for supporting strap, hanger and fastening.

26 05 33 13-0059 **Rigid Galvanized Steel (RGS) Or Galvanized Rigid Steel Conduit (GRC) Conduit** <sup>(26 05 33 13-0058)</sup>  
 Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

26 05 33 13-0060 **Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling** <sup>(26 05 33 13-0059)</sup>  
 Note: Includes field bending for conduit up to 1".



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0061	LF	1/2"	Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling .....	8.73	2.18
			<i>For Work In Restricted Working Space, Add</i>	1.64	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.55	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.09	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.36	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	1.91	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	2.18	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	2.73	
			<i>For Elevated Installation &gt;40', Add</i>	3.00	
			<i>For &gt;250 To 500, Deduct</i>	-0.16	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.52	
			<i>For &gt;1,000, Deduct</i>	-0.74	
			<i>For Installation In Metal Stud Wall, Add</i>	0.55	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.36	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.82	
26 05 33 13-0062	LF	3/4"	Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling .....	10.38	2.38
			<i>For Work In Restricted Working Space, Add</i>	1.90	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.63	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.27	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.59	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	2.22	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	2.54	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	3.17	
			<i>For Elevated Installation &gt;40', Add</i>	3.49	
			<i>For &gt;250 To 500, Deduct</i>	-0.20	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.62	
			<i>For &gt;1,000, Deduct</i>	-0.88	
			<i>For Installation In Metal Stud Wall, Add</i>	0.63	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.59	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.95	
26 05 33 13-0063	LF	1"	Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling .....	14.77	2.77
			<i>For Work In Restricted Working Space, Add</i>	2.55	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.85	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.70	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.13	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	2.98	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	3.40	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	4.26	
			<i>For Elevated Installation &gt;40', Add</i>	4.68	
			<i>For &gt;250 To 500, Deduct</i>	-0.31	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.90	
			<i>For &gt;1,000, Deduct</i>	-1.26	
			<i>For Installation In Metal Stud Wall, Add</i>	0.85	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	2.13	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.28	
26 05 33 13-0064	LF	1-1/4"	Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling .....	17.35	3.17
			<i>For Work In Restricted Working Space, Add</i>	2.70	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.90	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.80	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.25	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	3.15	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	3.60	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	4.51	
			<i>For Elevated Installation &gt;40', Add</i>	4.96	
			<i>For &gt;250 To 500, Deduct</i>	-0.42	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.08	
			<i>For &gt;1,000, Deduct</i>	-1.51	
			<i>For Installation In Metal Stud Wall, Add</i>	0.90	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	2.25	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.35	
26 05 33 13-0065	LF	1-1/2"	Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling .....	20.11	3.56
			<i>For Work In Restricted Working Space, Add</i>	2.97	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.99	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.98	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.48	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	3.47	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	3.96	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	4.95	
			<i>For Elevated Installation &gt;40', Add</i>	5.45	
			<i>For &gt;250 To 500, Deduct</i>	-0.51	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.26	
			<i>For &gt;1,000, Deduct</i>	-1.76	
			<i>For Installation In Metal Stud Wall, Add</i>	0.99	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	2.48	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.49	
26 05 33 13-0066	LF	2"	Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling .....	25.83	4.35
			<i>For Work In Restricted Working Space, Add</i>	3.65	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.22	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.43	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.04	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.26	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	4.87	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	6.09	
			<i>For Elevated Installation &gt;40', Add</i>	6.69	
			<i>For &gt;250 To 500, Deduct</i>	-0.68	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.63	
			<i>For &gt;1,000, Deduct</i>	-2.28	
			<i>For Installation In Metal Stud Wall, Add</i>	1.22	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	3.04	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.83	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0067	LF 2-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling .....	39.18	5.94
	For Work In Restricted Working Space, Add	4.96	
	For Elevated Installation >10' To 15', Add	1.65	
	For Elevated Installation >15' To 20', Add	3.31	
	For Elevated Installation >20' To 25', Add	4.14	
	For Elevated Installation >25' To 30', Add	5.79	
	For Elevated Installation >30' To 35', Add	6.62	
	For Elevated Installation >35' To 40', Add	8.27	
	For Elevated Installation >40', Add	9.10	
	For >250 To 500, Deduct	-1.13	
	For >500 To 1,000, Deduct	-2.53	
	For >1,000, Deduct	-3.50	
	For Installation In Metal Stud Wall, Add	1.65	
	For Installation In Wood Stud Wall (Includes Drilling), Add	4.14	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.48	
26 05 33 13-0068	LF 3" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling .....	51.08	7.92
	For Work In Restricted Working Space, Add	6.68	
	For Elevated Installation >10' To 15', Add	2.23	
	For Elevated Installation >15' To 20', Add	4.45	
	For Elevated Installation >20' To 25', Add	5.57	
	For Elevated Installation >25' To 30', Add	7.79	
	For Elevated Installation >30' To 35', Add	8.91	
	For Elevated Installation >35' To 40', Add	11.14	
	For Elevated Installation >40', Add	12.25	
	For >250 To 500, Deduct	-1.44	
	For >500 To 1,000, Deduct	-3.27	
	For >1,000, Deduct	-4.55	
	For Installation In Metal Stud Wall, Add	2.23	
	For Installation In Wood Stud Wall (Includes Drilling), Add	5.57	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	3.34	
26 05 33 13-0069	LF 3-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling .....	61.59	9.90
	For Work In Restricted Working Space, Add	7.93	
	For Elevated Installation >10' To 15', Add	2.64	
	For Elevated Installation >15' To 20', Add	5.29	
	For Elevated Installation >20' To 25', Add	6.61	
	For Elevated Installation >25' To 30', Add	9.25	
	For Elevated Installation >30' To 35', Add	10.58	
	For Elevated Installation >35' To 40', Add	13.22	
	For Elevated Installation >40', Add	14.54	
	For >250 To 500, Deduct	-1.76	
	For >500 To 1,000, Deduct	-3.96	
	For >1,000, Deduct	-5.50	
	For Installation In Metal Stud Wall, Add	2.64	
	For Installation In Wood Stud Wall (Includes Drilling), Add	6.61	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	3.97	
26 05 33 13-0070	LF 4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling .....	73.44	11.88
	For Work In Restricted Working Space, Add	9.15	
	For Elevated Installation >10' To 15', Add	3.05	
	For Elevated Installation >15' To 20', Add	6.10	
	For Elevated Installation >20' To 25', Add	7.63	
	For Elevated Installation >25' To 30', Add	10.68	
	For Elevated Installation >30' To 35', Add	12.20	
	For Elevated Installation >35' To 40', Add	15.25	
	For Elevated Installation >40', Add	16.78	
	For >250 To 500, Deduct	-2.15	
	For >500 To 1,000, Deduct	-4.75	
	For >1,000, Deduct	-6.58	
	For Installation In Metal Stud Wall, Add	3.05	
	For Installation In Wood Stud Wall (Includes Drilling), Add	7.63	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	4.58	
26 05 33 13-0071	LF 5" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling .....	120.52	15.05
	For Work In Restricted Working Space, Add	11.29	
	For Elevated Installation >10' To 15', Add	3.76	
	For Elevated Installation >15' To 20', Add	7.53	
	For Elevated Installation >20' To 25', Add	9.41	
	For Elevated Installation >25' To 30', Add	13.17	
	For Elevated Installation >30' To 35', Add	15.05	
	For Elevated Installation >35' To 40', Add	18.82	
	For Elevated Installation >40', Add	20.70	
	For >250 To 500, Deduct	-4.14	
	For >500 To 1,000, Deduct	-8.10	
	For >1,000, Deduct	-11.11	
	For Installation In Metal Stud Wall, Add	3.76	
	For Installation In Wood Stud Wall (Includes Drilling), Add	9.41	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	5.64	
26 05 33 13-0072	LF 6" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling .....	164.03	19.01
	For Work In Restricted Working Space, Add	14.26	
	For Elevated Installation >10' To 15', Add	4.75	
	For Elevated Installation >15' To 20', Add	9.51	
	For Elevated Installation >20' To 25', Add	11.88	
	For Elevated Installation >25' To 30', Add	16.64	
	For Elevated Installation >30' To 35', Add	19.01	
	For Elevated Installation >35' To 40', Add	23.77	
	For Elevated Installation >40', Add	26.14	
	For >250 To 500, Deduct	-5.83	
	For >500 To 1,000, Deduct	-11.11	
	For >1,000, Deduct	-15.21	
	For Installation In Metal Stud Wall, Add	4.75	
	For Installation In Wood Stud Wall (Includes Drilling), Add	11.88	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	7.13	

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>26 05 33 13-0073</b>	<b>Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow</b> <small>(26 05 33 13-0059)</small> See CSI section 26 05 33 13-2245 for conduit field bending.		
26 05 33 13-0074	EA 1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow ..... 28.16		9.80
	For Work In Restricted Working Space, Add	7.37	
	For Elevated Installation >10' To 15', Add	2.46	
	For Elevated Installation >15' To 20', Add	4.92	
	For Elevated Installation >20' To 25', Add	6.15	
	For Elevated Installation >25' To 30', Add	8.60	
	For Elevated Installation >30' To 35', Add	9.83	
	For Elevated Installation >35' To 40', Add	12.29	
	For Elevated Installation >40', Add	13.52	
26 05 33 13-0075	EA 3/4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow ..... 35.29		12.17
	For Work In Restricted Working Space, Add	9.17	
	For Elevated Installation >10' To 15', Add	3.06	
	For Elevated Installation >15' To 20', Add	6.11	
	For Elevated Installation >20' To 25', Add	7.64	
	For Elevated Installation >25' To 30', Add	10.70	
	For Elevated Installation >30' To 35', Add	12.22	
	For Elevated Installation >35' To 40', Add	15.28	
	For Elevated Installation >40', Add	16.81	
26 05 33 13-0076	EA 1" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow ..... 44.54		14.95
	For Work In Restricted Working Space, Add	11.18	
	For Elevated Installation >10' To 15', Add	3.73	
	For Elevated Installation >15' To 20', Add	7.45	
	For Elevated Installation >20' To 25', Add	9.32	
	For Elevated Installation >25' To 30', Add	13.04	
	For Elevated Installation >30' To 35', Add	14.91	
	For Elevated Installation >35' To 40', Add	18.64	
	For Elevated Installation >40', Add	20.50	
26 05 33 13-0077	EA 1-1/4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow ..... 55.72		17.33
	For Work In Restricted Working Space, Add	12.98	
	For Elevated Installation >10' To 15', Add	4.33	
	For Elevated Installation >15' To 20', Add	8.66	
	For Elevated Installation >20' To 25', Add	10.82	
	For Elevated Installation >25' To 30', Add	15.15	
	For Elevated Installation >30' To 35', Add	17.31	
	For Elevated Installation >35' To 40', Add	21.64	
	For Elevated Installation >40', Add	23.80	
26 05 33 13-0078	EA 1-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow ..... 64.50		19.90
	For Work In Restricted Working Space, Add	14.90	
	For Elevated Installation >10' To 15', Add	4.97	
	For Elevated Installation >15' To 20', Add	9.93	
	For Elevated Installation >20' To 25', Add	12.42	
	For Elevated Installation >25' To 30', Add	17.38	
	For Elevated Installation >30' To 35', Add	19.87	
	For Elevated Installation >35' To 40', Add	24.84	
	For Elevated Installation >40', Add	27.32	
26 05 33 13-0079	EA 2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow ..... 75.04		21.88
	For Work In Restricted Working Space, Add	16.40	
	For Elevated Installation >10' To 15', Add	5.47	
	For Elevated Installation >15' To 20', Add	10.93	
	For Elevated Installation >20' To 25', Add	13.66	
	For Elevated Installation >25' To 30', Add	19.13	
	For Elevated Installation >30' To 35', Add	21.86	
	For Elevated Installation >35' To 40', Add	27.33	
	For Elevated Installation >40', Add	30.06	
26 05 33 13-0080	EA 2-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow ..... 104.64		27.33
	For Work In Restricted Working Space, Add	20.49	
	For Elevated Installation >10' To 15', Add	6.83	
	For Elevated Installation >15' To 20', Add	13.66	
	For Elevated Installation >20' To 25', Add	17.08	
	For Elevated Installation >25' To 30', Add	23.91	
	For Elevated Installation >30' To 35', Add	27.32	
	For Elevated Installation >35' To 40', Add	34.16	
	For Elevated Installation >40', Add	37.57	
26 05 33 13-0081	EA 3" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow ..... 147.14		37.23
	For Work In Restricted Working Space, Add	27.92	
	For Elevated Installation >10' To 15', Add	9.31	
	For Elevated Installation >15' To 20', Add	18.61	
	For Elevated Installation >20' To 25', Add	23.26	
	For Elevated Installation >25' To 30', Add	32.57	
	For Elevated Installation >30' To 35', Add	37.22	
	For Elevated Installation >35' To 40', Add	46.53	
	For Elevated Installation >40', Add	51.18	
26 05 33 13-0082	EA 3-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow ..... 189.52		41.98
	For Work In Restricted Working Space, Add	31.49	
	For Elevated Installation >10' To 15', Add	10.50	
	For Elevated Installation >15' To 20', Add	20.99	
	For Elevated Installation >20' To 25', Add	26.24	
	For Elevated Installation >25' To 30', Add	36.74	
	For Elevated Installation >30' To 35', Add	41.98	
	For Elevated Installation >35' To 40', Add	52.48	
	For Elevated Installation >40', Add	57.73	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0083	EA 4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i>	234.05 40.98 13.66 27.32 34.15 47.81 54.64 68.30 75.13	54.66
26 05 33 13-0084	EA 5" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i>	382.67 66.83 22.28 44.55 55.69 77.97 89.11 111.39 122.52	89.10
26 05 33 13-0085	EA 6" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i>	575.21 100.38 33.46 66.92 83.65 117.11 133.84 167.31 184.04	133.85
26 05 33 13-0086	<b>Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow</b> <small>(26 05 33 13-0059)</small> See CSI section 26 05 33 13-2245 for conduit field bending.		
26 05 33 13-0087	EA 1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i>	28.16 7.37 2.46 4.92 6.15 8.60 9.83 12.29 13.52	9.80
26 05 33 13-0088	EA 3/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i>	35.29 9.17 3.06 6.11 7.64 10.70 12.22 15.28 16.81	12.17
26 05 33 13-0089	EA 1" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i>	44.54 11.18 3.73 7.45 9.32 13.04 14.91 18.64 20.50	14.95
26 05 33 13-0090	EA 1-1/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i>	55.72 12.98 4.33 8.66 10.82 15.15 17.31 21.64 23.80	17.33
26 05 33 13-0091	EA 1-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i>	64.50 14.90 4.97 9.93 12.42 17.38 19.87 24.84 27.32	19.90
26 05 33 13-0092	EA 2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i>	75.04 16.40 5.47 10.93 13.66 19.13 21.86 27.33 30.06	21.88

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-0093	EA 2-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....	103.17	27.33
	For Work In Restricted Working Space, Add	20.49	
	For Elevated Installation >10' To 15', Add	6.83	
	For Elevated Installation >15' To 20', Add	13.66	
	For Elevated Installation >20' To 25', Add	17.08	
	For Elevated Installation >25' To 30', Add	23.91	
	For Elevated Installation >30' To 35', Add	27.32	
	For Elevated Installation >35' To 40', Add	34.16	
	For Elevated Installation >40', Add	37.57	
26 05 33 13-0094	EA 3" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....	141.40	37.23
	For Work In Restricted Working Space, Add	27.92	
	For Elevated Installation >10' To 15', Add	9.31	
	For Elevated Installation >15' To 20', Add	18.61	
	For Elevated Installation >20' To 25', Add	23.26	
	For Elevated Installation >25' To 30', Add	32.57	
	For Elevated Installation >30' To 35', Add	37.22	
	For Elevated Installation >35' To 40', Add	46.53	
	For Elevated Installation >40', Add	51.18	
26 05 33 13-0095	EA 3-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....	181.44	41.98
	For Work In Restricted Working Space, Add	31.49	
	For Elevated Installation >10' To 15', Add	10.50	
	For Elevated Installation >15' To 20', Add	20.99	
	For Elevated Installation >20' To 25', Add	26.24	
	For Elevated Installation >25' To 30', Add	36.74	
	For Elevated Installation >30' To 35', Add	41.98	
	For Elevated Installation >35' To 40', Add	52.48	
	For Elevated Installation >40', Add	57.73	
26 05 33 13-0096	EA 4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....	223.30	54.66
	For Work In Restricted Working Space, Add	40.98	
	For Elevated Installation >10' To 15', Add	13.66	
	For Elevated Installation >15' To 20', Add	27.32	
	For Elevated Installation >20' To 25', Add	34.15	
	For Elevated Installation >25' To 30', Add	47.81	
	For Elevated Installation >30' To 35', Add	54.64	
	For Elevated Installation >35' To 40', Add	68.30	
	For Elevated Installation >40', Add	75.13	
26 05 33 13-0097	EA 5" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....	382.67	89.10
	For Work In Restricted Working Space, Add	66.83	
	For Elevated Installation >10' To 15', Add	22.28	
	For Elevated Installation >15' To 20', Add	44.55	
	For Elevated Installation >20' To 25', Add	55.69	
	For Elevated Installation >25' To 30', Add	77.97	
	For Elevated Installation >30' To 35', Add	89.11	
	For Elevated Installation >35' To 40', Add	111.39	
	For Elevated Installation >40', Add	122.52	
26 05 33 13-0098	EA 6" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....	575.21	133.85
	For Work In Restricted Working Space, Add	100.38	
	For Elevated Installation >10' To 15', Add	33.46	
	For Elevated Installation >15' To 20', Add	66.92	
	For Elevated Installation >20' To 25', Add	83.65	
	For Elevated Installation >25' To 30', Add	117.11	
	For Elevated Installation >30' To 35', Add	133.84	
	For Elevated Installation >35' To 40', Add	167.31	
	For Elevated Installation >40', Add	184.04	
<b>26 05 33 13-0099</b>	<b>Rigid Galvanized Steel (RGS) 12" Large Radius Elbow</b> <small>(26 05 33 13-0099)</small>		
	See CSI section 26 05 33 13-2245 for conduit field bending.		
26 05 33 13-0100	EA 1" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow .....	66.23	24.45
	For Work In Restricted Working Space, Add	14.67	
	For Elevated Installation >10' To 15', Add	4.89	
	For Elevated Installation >15' To 20', Add	9.78	
	For Elevated Installation >20' To 25', Add	12.23	
	For Elevated Installation >25' To 30', Add	17.12	
	For Elevated Installation >30' To 35', Add	19.56	
	For Elevated Installation >35' To 40', Add	24.46	
	For Elevated Installation >40', Add	26.90	
26 05 33 13-0101	EA 1-1/4" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow .....	76.40	28.32
	For Work In Restricted Working Space, Add	16.99	
	For Elevated Installation >10' To 15', Add	5.66	
	For Elevated Installation >15' To 20', Add	11.33	
	For Elevated Installation >20' To 25', Add	14.16	
	For Elevated Installation >25' To 30', Add	19.82	
	For Elevated Installation >30' To 35', Add	22.65	
	For Elevated Installation >35' To 40', Add	28.32	
	For Elevated Installation >40', Add	31.15	
26 05 33 13-0102	EA 1-1/2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow .....	88.03	32.18
	For Work In Restricted Working Space, Add	19.31	
	For Elevated Installation >10' To 15', Add	6.44	
	For Elevated Installation >15' To 20', Add	12.87	
	For Elevated Installation >20' To 25', Add	16.09	
	For Elevated Installation >25' To 30', Add	22.52	
	For Elevated Installation >30' To 35', Add	25.74	
	For Elevated Installation >35' To 40', Add	32.18	
	For Elevated Installation >40', Add	35.39	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 05 33 13-0103	EA	2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow .....	98.69	35.39
		<i>For Work In Restricted Working Space, Add</i>	21.24	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	7.08	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	14.16	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	17.70	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	24.78	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	28.32	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	35.40	
		<i>For Elevated Installation &gt;40', Add</i>	38.93	
<b>26 05 33 13-0104</b>		<b>Rigid Galvanized Steel (RGS) 15" Large Radius Elbow</b> <small>(26 05 33 13-0059)</small>		
		See CSI section 26 05 33 13-2245 for conduit field bending.		
26 05 33 13-0105	EA	1" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow .....	70.72	24.45
		<i>For Work In Restricted Working Space, Add</i>	14.67	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	4.89	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	9.78	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	12.23	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	17.12	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	19.56	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	24.46	
		<i>For Elevated Installation &gt;40', Add</i>	26.90	
26 05 33 13-0106	EA	1-1/4" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow .....	82.17	28.32
		<i>For Work In Restricted Working Space, Add</i>	16.99	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.66	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	11.33	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	14.16	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	19.82	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	22.65	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	28.32	
		<i>For Elevated Installation &gt;40', Add</i>	31.15	
26 05 33 13-0107	EA	1-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow .....	90.66	32.18
		<i>For Work In Restricted Working Space, Add</i>	19.31	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	6.44	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	12.87	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	16.09	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	22.52	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	25.74	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	32.18	
		<i>For Elevated Installation &gt;40', Add</i>	35.39	
26 05 33 13-0108	EA	2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow .....	101.63	35.39
		<i>For Work In Restricted Working Space, Add</i>	21.24	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	7.08	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	14.16	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	17.70	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	24.78	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	28.32	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	35.40	
		<i>For Elevated Installation &gt;40', Add</i>	38.93	
26 05 33 13-0109	EA	2-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow .....	133.56	44.41
		<i>For Work In Restricted Working Space, Add</i>	26.64	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	8.88	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	17.76	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	22.20	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	31.08	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	35.52	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	44.41	
		<i>For Elevated Installation &gt;40', Add</i>	48.85	
26 05 33 13-0110	EA	3" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow .....	180.17	60.49
		<i>For Work In Restricted Working Space, Add</i>	36.29	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	12.10	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	24.20	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	30.25	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	42.34	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	48.39	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	60.49	
		<i>For Elevated Installation &gt;40', Add</i>	66.54	
<b>26 05 33 13-0111</b>		<b>Rigid Galvanized Steel (RGS) 18" Large Radius Elbow</b> <small>(26 05 33 13-0059)</small>		
		See CSI section 26 05 33 13-2245 for conduit field bending.		
26 05 33 13-0112	EA	1" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow .....	70.93	24.45
		<i>For Work In Restricted Working Space, Add</i>	14.67	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	4.89	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	9.78	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	12.23	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	17.12	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	19.56	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	24.46	
		<i>For Elevated Installation &gt;40', Add</i>	26.90	
26 05 33 13-0113	EA	1-1/4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow .....	81.60	28.32
		<i>For Work In Restricted Working Space, Add</i>	16.99	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.66	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	11.33	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	14.16	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	19.82	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	22.65	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	28.32	
		<i>For Elevated Installation &gt;40', Add</i>	31.15	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-0114	EA 1-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	93.50	32.18
	For Work In Restricted Working Space, Add	19.31	
	For Elevated Installation >10' To 15', Add	6.44	
	For Elevated Installation >15' To 20', Add	12.87	
	For Elevated Installation >20' To 25', Add	16.09	
	For Elevated Installation >25' To 30', Add	22.52	
	For Elevated Installation >30' To 35', Add	25.74	
	For Elevated Installation >35' To 40', Add	32.18	
	For Elevated Installation >40', Add	35.39	
26 05 33 13-0115	EA 2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	107.99	35.39
	For Work In Restricted Working Space, Add	21.24	
	For Elevated Installation >10' To 15', Add	7.08	
	For Elevated Installation >15' To 20', Add	14.16	
	For Elevated Installation >20' To 25', Add	17.70	
	For Elevated Installation >25' To 30', Add	24.78	
	For Elevated Installation >30' To 35', Add	28.32	
	For Elevated Installation >35' To 40', Add	35.40	
	For Elevated Installation >40', Add	38.93	
26 05 33 13-0116	EA 2-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	139.49	44.41
	For Work In Restricted Working Space, Add	26.64	
	For Elevated Installation >10' To 15', Add	8.88	
	For Elevated Installation >15' To 20', Add	17.76	
	For Elevated Installation >20' To 25', Add	22.20	
	For Elevated Installation >25' To 30', Add	31.08	
	For Elevated Installation >30' To 35', Add	35.52	
	For Elevated Installation >35' To 40', Add	44.41	
	For Elevated Installation >40', Add	48.85	
26 05 33 13-0117	EA 3" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	184.95	60.49
	For Work In Restricted Working Space, Add	36.29	
	For Elevated Installation >10' To 15', Add	12.10	
	For Elevated Installation >15' To 20', Add	24.20	
	For Elevated Installation >20' To 25', Add	30.25	
	For Elevated Installation >25' To 30', Add	42.34	
	For Elevated Installation >30' To 35', Add	48.39	
	For Elevated Installation >35' To 40', Add	60.49	
	For Elevated Installation >40', Add	66.54	
26 05 33 13-0118	EA 3-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	226.85	68.21
	For Work In Restricted Working Space, Add	40.93	
	For Elevated Installation >10' To 15', Add	13.64	
	For Elevated Installation >15' To 20', Add	27.29	
	For Elevated Installation >20' To 25', Add	34.11	
	For Elevated Installation >25' To 30', Add	47.75	
	For Elevated Installation >30' To 35', Add	54.57	
	For Elevated Installation >35' To 40', Add	68.22	
	For Elevated Installation >40', Add	75.04	
26 05 33 13-0119	EA 4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	278.64	88.81
	For Work In Restricted Working Space, Add	53.28	
	For Elevated Installation >10' To 15', Add	17.76	
	For Elevated Installation >15' To 20', Add	35.52	
	For Elevated Installation >20' To 25', Add	44.40	
	For Elevated Installation >25' To 30', Add	62.16	
	For Elevated Installation >30' To 35', Add	71.04	
	For Elevated Installation >35' To 40', Add	88.81	
	For Elevated Installation >40', Add	97.69	
<b>26 05 33 13-0120</b>	<b>Rigid Galvanized Steel (RGS) 24" Large Radius Elbow</b> <small>(26 05 33 13-0059)</small>		
	See CSI section 26 05 33 13-2245 for conduit field bending.		
26 05 33 13-0121	EA 1" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	78.09	24.45
	For Work In Restricted Working Space, Add	14.67	
	For Elevated Installation >10' To 15', Add	4.89	
	For Elevated Installation >15' To 20', Add	9.78	
	For Elevated Installation >20' To 25', Add	12.23	
	For Elevated Installation >25' To 30', Add	17.12	
	For Elevated Installation >30' To 35', Add	19.56	
	For Elevated Installation >35' To 40', Add	24.46	
	For Elevated Installation >40', Add	26.90	
26 05 33 13-0122	EA 1-1/4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	88.62	28.32
	For Work In Restricted Working Space, Add	16.99	
	For Elevated Installation >10' To 15', Add	5.66	
	For Elevated Installation >15' To 20', Add	11.33	
	For Elevated Installation >20' To 25', Add	14.16	
	For Elevated Installation >25' To 30', Add	19.82	
	For Elevated Installation >30' To 35', Add	22.65	
	For Elevated Installation >35' To 40', Add	28.32	
	For Elevated Installation >40', Add	31.15	
26 05 33 13-0123	EA 1-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	98.76	32.18
	For Work In Restricted Working Space, Add	19.31	
	For Elevated Installation >10' To 15', Add	6.44	
	For Elevated Installation >15' To 20', Add	12.87	
	For Elevated Installation >20' To 25', Add	16.09	
	For Elevated Installation >25' To 30', Add	22.52	
	For Elevated Installation >30' To 35', Add	25.74	
	For Elevated Installation >35' To 40', Add	32.18	
	For Elevated Installation >40', Add	35.39	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0124	EA	2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow .....	115.75	35.39
			<i>For Work In Restricted Working Space, Add</i>	21.24	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.08	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	14.16	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	17.70	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	24.78	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	28.32	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	35.40	
			<i>For Elevated Installation &gt;40', Add</i>	38.93	
26 05 33	13-0125	EA	2-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow .....	150.07	44.41
			<i>For Work In Restricted Working Space, Add</i>	26.64	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	8.88	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	17.76	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	22.20	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	31.08	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	35.52	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	44.41	
			<i>For Elevated Installation &gt;40', Add</i>	48.85	
26 05 33	13-0126	EA	3" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow .....	201.54	60.49
			<i>For Work In Restricted Working Space, Add</i>	36.29	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	12.10	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	24.20	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	30.25	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	42.34	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	48.39	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	60.49	
			<i>For Elevated Installation &gt;40', Add</i>	66.54	
26 05 33	13-0127	EA	3-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow .....	242.98	68.21
			<i>For Work In Restricted Working Space, Add</i>	40.93	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	13.64	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	27.29	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	34.11	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	47.75	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	54.57	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	68.22	
			<i>For Elevated Installation &gt;40', Add</i>	75.04	
26 05 33	13-0128	EA	4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow .....	291.50	88.81
			<i>For Work In Restricted Working Space, Add</i>	53.28	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	17.76	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	35.52	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	44.40	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	62.16	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	71.04	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	88.81	
			<i>For Elevated Installation &gt;40', Add</i>	97.69	
26 05 33	13-0129		<b>Rigid Galvanized Steel (RGS) 30" Large Radius Elbow</b> (26 05 33 13-0059)		
			See CSI section 26 05 33 13-2245 for conduit field bending.		
26 05 33	13-0130	EA	1" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow .....	77.66	24.45
			<i>For Work In Restricted Working Space, Add</i>	14.67	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.89	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.78	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	12.23	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	17.12	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	19.56	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	24.46	
			<i>For Elevated Installation &gt;40', Add</i>	26.90	
26 05 33	13-0131	EA	1-1/4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow .....	93.85	28.32
			<i>For Work In Restricted Working Space, Add</i>	16.99	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.66	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.33	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	14.16	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	19.82	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	22.65	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	28.32	
			<i>For Elevated Installation &gt;40', Add</i>	31.15	
26 05 33	13-0132	EA	1-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow .....	104.42	32.18
			<i>For Work In Restricted Working Space, Add</i>	19.31	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.44	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	12.87	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	16.09	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	22.52	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	25.74	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	32.18	
			<i>For Elevated Installation &gt;40', Add</i>	35.39	
26 05 33	13-0133	EA	2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow .....	123.14	35.39
			<i>For Work In Restricted Working Space, Add</i>	21.24	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.08	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	14.16	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	17.70	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	24.78	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	28.32	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	35.40	
			<i>For Elevated Installation &gt;40', Add</i>	38.93	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0134 EA 2-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	160.22	44.41
For Work In Restricted Working Space, Add	26.64	
For Elevated Installation >10' To 15', Add	8.88	
For Elevated Installation >15' To 20', Add	17.76	
For Elevated Installation >20' To 25', Add	22.20	
For Elevated Installation >25' To 30', Add	31.08	
For Elevated Installation >30' To 35', Add	35.52	
For Elevated Installation >35' To 40', Add	44.41	
For Elevated Installation >40', Add	48.85	
26 05 33 13-0135 EA 3" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	214.63	60.49
For Work In Restricted Working Space, Add	36.29	
For Elevated Installation >10' To 15', Add	12.10	
For Elevated Installation >15' To 20', Add	24.20	
For Elevated Installation >20' To 25', Add	30.25	
For Elevated Installation >25' To 30', Add	42.34	
For Elevated Installation >30' To 35', Add	48.39	
For Elevated Installation >35' To 40', Add	60.49	
For Elevated Installation >40', Add	66.54	
26 05 33 13-0136 EA 3-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	258.92	68.21
For Work In Restricted Working Space, Add	40.93	
For Elevated Installation >10' To 15', Add	13.64	
For Elevated Installation >15' To 20', Add	27.29	
For Elevated Installation >20' To 25', Add	34.11	
For Elevated Installation >25' To 30', Add	47.75	
For Elevated Installation >30' To 35', Add	54.57	
For Elevated Installation >35' To 40', Add	68.22	
For Elevated Installation >40', Add	75.04	
26 05 33 13-0137 EA 4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	315.09	88.81
For Work In Restricted Working Space, Add	53.28	
For Elevated Installation >10' To 15', Add	17.76	
For Elevated Installation >15' To 20', Add	35.52	
For Elevated Installation >20' To 25', Add	44.40	
For Elevated Installation >25' To 30', Add	62.16	
For Elevated Installation >30' To 35', Add	71.04	
For Elevated Installation >35' To 40', Add	88.81	
For Elevated Installation >40', Add	97.69	
26 05 33 13-0138 EA 5" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	466.18	144.79
For Work In Restricted Working Space, Add	86.88	
For Elevated Installation >10' To 15', Add	28.96	
For Elevated Installation >15' To 20', Add	57.92	
For Elevated Installation >20' To 25', Add	72.40	
For Elevated Installation >25' To 30', Add	101.36	
For Elevated Installation >30' To 35', Add	115.84	
For Elevated Installation >35' To 40', Add	144.80	
For Elevated Installation >40', Add	159.27	
<b>26 05 33 13-0139 Rigid Galvanized Steel (RGS) 36" Large Radius Elbow</b> <small>(26 05 33 13-0059)</small>		
See CSI section 26 05 33 13-2245 for conduit field bending.		
26 05 33 13-0140 EA 1" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	81.48	24.45
For Work In Restricted Working Space, Add	14.67	
For Elevated Installation >10' To 15', Add	4.89	
For Elevated Installation >15' To 20', Add	9.78	
For Elevated Installation >20' To 25', Add	12.23	
For Elevated Installation >25' To 30', Add	17.12	
For Elevated Installation >30' To 35', Add	19.56	
For Elevated Installation >35' To 40', Add	24.46	
For Elevated Installation >40', Add	26.90	
26 05 33 13-0141 EA 1-1/4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	96.42	28.32
For Work In Restricted Working Space, Add	16.99	
For Elevated Installation >10' To 15', Add	5.66	
For Elevated Installation >15' To 20', Add	11.33	
For Elevated Installation >20' To 25', Add	14.16	
For Elevated Installation >25' To 30', Add	19.82	
For Elevated Installation >30' To 35', Add	22.65	
For Elevated Installation >35' To 40', Add	28.32	
For Elevated Installation >40', Add	31.15	
26 05 33 13-0142 EA 1-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	114.33	32.18
For Work In Restricted Working Space, Add	19.31	
For Elevated Installation >10' To 15', Add	6.44	
For Elevated Installation >15' To 20', Add	12.87	
For Elevated Installation >20' To 25', Add	16.09	
For Elevated Installation >25' To 30', Add	22.52	
For Elevated Installation >30' To 35', Add	25.74	
For Elevated Installation >35' To 40', Add	32.18	
For Elevated Installation >40', Add	35.39	
26 05 33 13-0143 EA 2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	128.91	35.39
For Work In Restricted Working Space, Add	21.24	
For Elevated Installation >10' To 15', Add	7.08	
For Elevated Installation >15' To 20', Add	14.16	
For Elevated Installation >20' To 25', Add	17.70	
For Elevated Installation >25' To 30', Add	24.78	
For Elevated Installation >30' To 35', Add	28.32	
For Elevated Installation >35' To 40', Add	35.40	
For Elevated Installation >40', Add	38.93	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 05 33 13-0144	EA	2-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	172.26	44.41
		<i>For Work In Restricted Working Space, Add</i>	26.64	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	8.88	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	17.76	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	22.20	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	31.08	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	35.52	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	44.41	
		<i>For Elevated Installation &gt;40', Add</i>	48.85	
26 05 33 13-0145	EA	3" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	225.83	60.49
		<i>For Work In Restricted Working Space, Add</i>	36.29	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	12.10	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	24.20	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	30.25	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	42.34	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	48.39	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	60.49	
		<i>For Elevated Installation &gt;40', Add</i>	66.54	
26 05 33 13-0146	EA	3-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	279.50	68.21
		<i>For Work In Restricted Working Space, Add</i>	40.93	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	13.64	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	27.29	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	34.11	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	47.75	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	54.57	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	68.22	
		<i>For Elevated Installation &gt;40', Add</i>	75.04	
26 05 33 13-0147	EA	4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	326.19	88.81
		<i>For Work In Restricted Working Space, Add</i>	53.28	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	17.76	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	35.52	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	44.40	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	62.16	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	71.04	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	88.81	
		<i>For Elevated Installation &gt;40', Add</i>	97.69	
26 05 33 13-0148	EA	5" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	556.74	144.79
		<i>For Work In Restricted Working Space, Add</i>	86.88	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	28.96	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	57.92	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	72.40	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	101.36	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	115.84	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	144.80	
		<i>For Elevated Installation &gt;40', Add</i>	159.27	
26 05 33 13-0149	EA	6" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	728.52	217.52
		<i>For Work In Restricted Working Space, Add</i>	130.51	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	43.50	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	87.01	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	108.76	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	152.26	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	174.01	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	217.52	
		<i>For Elevated Installation &gt;40', Add</i>	239.27	
26 05 33 13-0150		<b>Rigid Galvanized Steel (RGS) 42" Large Radius Elbow</b> <small>(26 05 33 13-0059)</small>		
		See CSI section 26 05 33 13-2245 for conduit field bending.		
26 05 33 13-0151	EA	1" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	87.08	24.45
		<i>For Work In Restricted Working Space, Add</i>	14.67	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	4.89	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	9.78	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	12.23	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	17.12	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	19.56	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	24.46	
		<i>For Elevated Installation &gt;40', Add</i>	26.90	
26 05 33 13-0152	EA	1-1/4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	103.26	28.32
		<i>For Work In Restricted Working Space, Add</i>	16.99	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.66	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	11.33	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	14.16	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	19.82	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	22.65	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	28.32	
		<i>For Elevated Installation &gt;40', Add</i>	31.15	
26 05 33 13-0153	EA	1-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	121.60	32.18
		<i>For Work In Restricted Working Space, Add</i>	19.31	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	6.44	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	12.87	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	16.09	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	22.52	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	25.74	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	32.18	
		<i>For Elevated Installation &gt;40', Add</i>	35.39	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0154 EA 2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	136.51	35.39
For Work In Restricted Working Space, Add	21.24	
For Elevated Installation >10' To 15', Add	7.08	
For Elevated Installation >15' To 20', Add	14.16	
For Elevated Installation >20' To 25', Add	17.70	
For Elevated Installation >25' To 30', Add	24.78	
For Elevated Installation >30' To 35', Add	28.32	
For Elevated Installation >35' To 40', Add	35.40	
For Elevated Installation >40', Add	38.93	
26 05 33 13-0155 EA 2-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	181.46	44.41
For Work In Restricted Working Space, Add	26.64	
For Elevated Installation >10' To 15', Add	8.88	
For Elevated Installation >15' To 20', Add	17.76	
For Elevated Installation >20' To 25', Add	22.20	
For Elevated Installation >25' To 30', Add	31.08	
For Elevated Installation >30' To 35', Add	35.52	
For Elevated Installation >35' To 40', Add	44.41	
For Elevated Installation >40', Add	48.85	
26 05 33 13-0156 EA 3" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	242.24	60.49
For Work In Restricted Working Space, Add	36.29	
For Elevated Installation >10' To 15', Add	12.10	
For Elevated Installation >15' To 20', Add	24.20	
For Elevated Installation >20' To 25', Add	30.25	
For Elevated Installation >25' To 30', Add	42.34	
For Elevated Installation >30' To 35', Add	48.39	
For Elevated Installation >35' To 40', Add	60.49	
For Elevated Installation >40', Add	66.54	
26 05 33 13-0157 EA 3-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	295.96	68.21
For Work In Restricted Working Space, Add	40.93	
For Elevated Installation >10' To 15', Add	13.64	
For Elevated Installation >15' To 20', Add	27.29	
For Elevated Installation >20' To 25', Add	34.11	
For Elevated Installation >25' To 30', Add	47.75	
For Elevated Installation >30' To 35', Add	54.57	
For Elevated Installation >35' To 40', Add	68.22	
For Elevated Installation >40', Add	75.04	
26 05 33 13-0158 EA 4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	373.55	88.81
For Work In Restricted Working Space, Add	53.28	
For Elevated Installation >10' To 15', Add	17.76	
For Elevated Installation >15' To 20', Add	35.52	
For Elevated Installation >20' To 25', Add	44.40	
For Elevated Installation >25' To 30', Add	62.16	
For Elevated Installation >30' To 35', Add	71.04	
For Elevated Installation >35' To 40', Add	88.81	
For Elevated Installation >40', Add	97.69	
26 05 33 13-0159 EA 5" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	622.07	144.79
For Work In Restricted Working Space, Add	86.88	
For Elevated Installation >10' To 15', Add	28.96	
For Elevated Installation >15' To 20', Add	57.92	
For Elevated Installation >20' To 25', Add	72.40	
For Elevated Installation >25' To 30', Add	101.36	
For Elevated Installation >30' To 35', Add	115.84	
For Elevated Installation >35' To 40', Add	144.80	
For Elevated Installation >40', Add	159.27	
26 05 33 13-0160 EA 6" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	785.09	217.52
For Work In Restricted Working Space, Add	130.51	
For Elevated Installation >10' To 15', Add	43.50	
For Elevated Installation >15' To 20', Add	87.01	
For Elevated Installation >20' To 25', Add	108.76	
For Elevated Installation >25' To 30', Add	152.26	
For Elevated Installation >30' To 35', Add	174.01	
For Elevated Installation >35' To 40', Add	217.52	
For Elevated Installation >40', Add	239.27	
<b>26 05 33 13-0161 Rigid Galvanized Steel (RGS) 48" Large Radius Elbow</b> <small>(26 05 33 13-0059)</small>		
See CSI section 26 05 33 13-2245 for conduit field bending.		
26 05 33 13-0162 EA 1" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	91.75	24.45
For Work In Restricted Working Space, Add	14.67	
For Elevated Installation >10' To 15', Add	4.89	
For Elevated Installation >15' To 20', Add	9.78	
For Elevated Installation >20' To 25', Add	12.23	
For Elevated Installation >25' To 30', Add	17.12	
For Elevated Installation >30' To 35', Add	19.56	
For Elevated Installation >35' To 40', Add	24.46	
For Elevated Installation >40', Add	26.90	
26 05 33 13-0163 EA 1-1/4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	108.53	28.32
For Work In Restricted Working Space, Add	16.99	
For Elevated Installation >10' To 15', Add	5.66	
For Elevated Installation >15' To 20', Add	11.33	
For Elevated Installation >20' To 25', Add	14.16	
For Elevated Installation >25' To 30', Add	19.82	
For Elevated Installation >30' To 35', Add	22.65	
For Elevated Installation >35' To 40', Add	28.32	
For Elevated Installation >40', Add	31.15	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0164	EA	1-1/2"	Rigid Galvanized Steel (RGS) 48" Large Radius Elbow ..... 126.20	126.20	32.18
			<i>For Work In Restricted Working Space, Add</i>	19.31	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.44	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	12.87	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	16.09	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	22.52	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	25.74	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	32.18	
			<i>For Elevated Installation &gt;40', Add</i>	35.39	
26 05 33 13-0165	EA	2"	Rigid Galvanized Steel (RGS) 48" Large Radius Elbow ..... 150.72	150.72	35.39
			<i>For Work In Restricted Working Space, Add</i>	21.24	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.08	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	14.16	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	17.70	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	24.78	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	28.32	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	35.40	
			<i>For Elevated Installation &gt;40', Add</i>	38.93	
26 05 33 13-0166	EA	2-1/2"	Rigid Galvanized Steel (RGS) 48" Large Radius Elbow ..... 198.44	198.44	44.41
			<i>For Work In Restricted Working Space, Add</i>	26.64	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	8.88	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	17.76	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	22.20	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	31.08	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	35.52	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	44.41	
			<i>For Elevated Installation &gt;40', Add</i>	48.85	
26 05 33 13-0167	EA	3"	Rigid Galvanized Steel (RGS) 48" Large Radius Elbow ..... 258.78	258.78	60.49
			<i>For Work In Restricted Working Space, Add</i>	36.29	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	12.10	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	24.20	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	30.25	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	42.34	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	48.39	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	60.49	
			<i>For Elevated Installation &gt;40', Add</i>	66.54	
26 05 33 13-0168	EA	3-1/2"	Rigid Galvanized Steel (RGS) 48" Large Radius Elbow ..... 316.65	316.65	68.21
			<i>For Work In Restricted Working Space, Add</i>	40.93	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	13.64	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	27.29	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	34.11	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	47.75	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	54.57	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	68.22	
			<i>For Elevated Installation &gt;40', Add</i>	75.04	
26 05 33 13-0169	EA	4"	Rigid Galvanized Steel (RGS) 48" Large Radius Elbow ..... 398.68	398.68	88.81
			<i>For Work In Restricted Working Space, Add</i>	53.28	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	17.76	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	35.52	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	44.40	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	62.16	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	71.04	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	88.81	
			<i>For Elevated Installation &gt;40', Add</i>	97.69	
26 05 33 13-0170	EA	5"	Rigid Galvanized Steel (RGS) 48" Large Radius Elbow ..... 642.53	642.53	144.79
			<i>For Work In Restricted Working Space, Add</i>	86.88	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	28.96	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	57.92	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	72.40	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	101.36	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	115.84	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	144.80	
			<i>For Elevated Installation &gt;40', Add</i>	159.27	
26 05 33 13-0171	EA	6"	Rigid Galvanized Steel (RGS) 48" Large Radius Elbow ..... 796.54	796.54	217.52
			<i>For Work In Restricted Working Space, Add</i>	130.51	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	43.50	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	87.01	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	108.76	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	152.26	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	174.01	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	217.52	
			<i>For Elevated Installation &gt;40', Add</i>	239.27	
26 05 33 13-0172			<b>Rigid Galvanized Steel (RGS) Plastic Insulating Bushing (26 05 33 13-0059)</b>		
26 05 33 13-0173	EA	1/2"	Rigid Galvanized Steel (RGS) Plastic Insulating Bushing ..... 12.88	12.88	6.31
			<i>For Work In Restricted Working Space, Add</i>	3.79	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.26	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.53	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.16	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.42	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.05	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	6.32	
			<i>For Elevated Installation &gt;40', Add</i>	6.95	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.79	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0174 EA 3/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing .....	13.80	6.73
For Work In Restricted Working Space, Add	4.04	
For Elevated Installation >10' To 15', Add	1.35	
For Elevated Installation >15' To 20', Add	2.69	
For Elevated Installation >20' To 25', Add	3.37	
For Elevated Installation >25' To 30', Add	4.71	
For Elevated Installation >30' To 35', Add	5.39	
For Elevated Installation >35' To 40', Add	6.74	
For Elevated Installation >40', Add	7.41	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.04	
26 05 33 13-0175 EA 1" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing .....	15.65	7.57
For Work In Restricted Working Space, Add	4.54	
For Elevated Installation >10' To 15', Add	1.51	
For Elevated Installation >15' To 20', Add	3.03	
For Elevated Installation >20' To 25', Add	3.79	
For Elevated Installation >25' To 30', Add	5.30	
For Elevated Installation >30' To 35', Add	6.06	
For Elevated Installation >35' To 40', Add	7.57	
For Elevated Installation >40', Add	8.33	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.54	
26 05 33 13-0176 EA 1-1/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing .....	17.56	8.41
For Work In Restricted Working Space, Add	5.05	
For Elevated Installation >10' To 15', Add	1.68	
For Elevated Installation >15' To 20', Add	3.37	
For Elevated Installation >20' To 25', Add	4.21	
For Elevated Installation >25' To 30', Add	5.89	
For Elevated Installation >30' To 35', Add	6.73	
For Elevated Installation >35' To 40', Add	8.42	
For Elevated Installation >40', Add	9.26	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.05	
26 05 33 13-0177 EA 1-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing .....	22.04	10.52
For Work In Restricted Working Space, Add	6.31	
For Elevated Installation >10' To 15', Add	2.10	
For Elevated Installation >15' To 20', Add	4.21	
For Elevated Installation >20' To 25', Add	5.26	
For Elevated Installation >25' To 30', Add	7.36	
For Elevated Installation >30' To 35', Add	8.42	
For Elevated Installation >35' To 40', Add	10.52	
For Elevated Installation >40', Add	11.57	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.31	
26 05 33 13-0178 EA 2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing .....	27.10	12.63
For Work In Restricted Working Space, Add	7.57	
For Elevated Installation >10' To 15', Add	2.52	
For Elevated Installation >15' To 20', Add	5.05	
For Elevated Installation >20' To 25', Add	6.31	
For Elevated Installation >25' To 30', Add	8.83	
For Elevated Installation >30' To 35', Add	10.10	
For Elevated Installation >35' To 40', Add	12.62	
For Elevated Installation >40', Add	13.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.57	
26 05 33 13-0179 EA 2-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing .....	33.55	14.73
For Work In Restricted Working Space, Add	8.84	
For Elevated Installation >10' To 15', Add	2.95	
For Elevated Installation >15' To 20', Add	5.89	
For Elevated Installation >20' To 25', Add	7.36	
For Elevated Installation >25' To 30', Add	10.31	
For Elevated Installation >30' To 35', Add	11.78	
For Elevated Installation >35' To 40', Add	14.73	
For Elevated Installation >40', Add	16.20	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.84	
26 05 33 13-0180 EA 3" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing .....	38.00	16.83
For Work In Restricted Working Space, Add	10.10	
For Elevated Installation >10' To 15', Add	3.37	
For Elevated Installation >15' To 20', Add	6.73	
For Elevated Installation >20' To 25', Add	8.42	
For Elevated Installation >25' To 30', Add	11.78	
For Elevated Installation >30' To 35', Add	13.47	
For Elevated Installation >35' To 40', Add	16.84	
For Elevated Installation >40', Add	18.52	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.10	
26 05 33 13-0181 EA 3-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing .....	43.88	15.84
For Work In Restricted Working Space, Add	11.36	
For Elevated Installation >10' To 15', Add	3.79	
For Elevated Installation >15' To 20', Add	7.57	
For Elevated Installation >20' To 25', Add	9.47	
For Elevated Installation >25' To 30', Add	13.25	
For Elevated Installation >30' To 35', Add	15.15	
For Elevated Installation >35' To 40', Add	18.94	
For Elevated Installation >40', Add	20.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.36	
26 05 33 13-0182 EA 4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing .....	48.70	21.04
For Work In Restricted Working Space, Add	12.62	
For Elevated Installation >10' To 15', Add	4.21	
For Elevated Installation >15' To 20', Add	8.42	
For Elevated Installation >20' To 25', Add	10.52	
For Elevated Installation >25' To 30', Add	14.73	
For Elevated Installation >30' To 35', Add	16.83	
For Elevated Installation >35' To 40', Add	21.04	
For Elevated Installation >40', Add	23.14	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.62	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 05 33 13-0183	EA	5" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	57.57	23.15
		<i>For Work In Restricted Working Space, Add</i>	13.88	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	4.63	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	9.26	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	11.57	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	16.20	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	18.51	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	23.14	
		<i>For Elevated Installation &gt;40', Add</i>	25.45	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.88	
26 05 33 13-0184	EA	6" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	79.07	25.24
		<i>For Work In Restricted Working Space, Add</i>	15.15	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.05	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	10.10	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	12.62	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	17.67	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	20.20	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	25.25	
		<i>For Elevated Installation &gt;40', Add</i>	27.77	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.15	
<b>26 05 33 13-0185</b>		<b>Rigid Galvanized Steel (RGS) Steel Bushing</b> <small>(26 05 33 13-0059)</small>		
26 05 33 13-0186	EA	3/4" Rigid Galvanized Steel (RGS) Steel Bushing.....	15.48	7.42
		<i>For Work In Restricted Working Space, Add</i>	4.46	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.49	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	2.97	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	3.71	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	5.20	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	5.94	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	7.43	
		<i>For Elevated Installation &gt;40', Add</i>	8.17	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.46	
26 05 33 13-0187	EA	3/4" Rigid Galvanized Steel (RGS) Steel Bushing.....	16.76	7.92
		<i>For Work In Restricted Working Space, Add</i>	4.75	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.58	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	3.17	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	3.96	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	5.54	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	6.34	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	7.92	
		<i>For Elevated Installation &gt;40', Add</i>	8.71	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.75	
26 05 33 13-0188	EA	1" Rigid Galvanized Steel (RGS) Steel Bushing.....	19.41	8.92
		<i>For Work In Restricted Working Space, Add</i>	5.35	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.78	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	3.56	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	4.46	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	6.24	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	7.13	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	8.91	
		<i>For Elevated Installation &gt;40', Add</i>	9.80	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.35	
26 05 33 13-0189	EA	1-1/4" Rigid Galvanized Steel (RGS) Steel Bushing.....	21.77	9.90
		<i>For Work In Restricted Working Space, Add</i>	5.94	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.98	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	3.96	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	4.95	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	6.93	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	7.92	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	9.90	
		<i>For Elevated Installation &gt;40', Add</i>	10.89	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.94	
26 05 33 13-0190	EA	1-1/2" Rigid Galvanized Steel (RGS) Steel Bushing.....	27.66	12.38
		<i>For Work In Restricted Working Space, Add</i>	7.43	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.48	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	4.95	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	6.19	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	8.66	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	9.90	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	12.38	
		<i>For Elevated Installation &gt;40', Add</i>	13.61	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.43	
26 05 33 13-0191	EA	2" Rigid Galvanized Steel (RGS) Steel Bushing.....	32.83	14.85
		<i>For Work In Restricted Working Space, Add</i>	8.91	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.97	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	5.94	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	7.43	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	10.40	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	11.88	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	14.85	
		<i>For Elevated Installation &gt;40', Add</i>	16.34	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0192 EA 2-1/2" Rigid Galvanized Steel (RGS) Steel Bushing.....	44.47	17.33
For Work In Restricted Working Space, Add	10.40	
For Elevated Installation >10' To 15', Add	3.47	
For Elevated Installation >15' To 20', Add	6.93	
For Elevated Installation >20' To 25', Add	8.66	
For Elevated Installation >25' To 30', Add	12.13	
For Elevated Installation >30' To 35', Add	13.86	
For Elevated Installation >35' To 40', Add	17.33	
For Elevated Installation >40', Add	19.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.40	
26 05 33 13-0193 EA 3" Rigid Galvanized Steel (RGS) Steel Bushing.....	52.49	19.80
For Work In Restricted Working Space, Add	11.88	
For Elevated Installation >10' To 15', Add	3.96	
For Elevated Installation >15' To 20', Add	7.92	
For Elevated Installation >20' To 25', Add	9.90	
For Elevated Installation >25' To 30', Add	13.86	
For Elevated Installation >30' To 35', Add	15.84	
For Elevated Installation >35' To 40', Add	19.80	
For Elevated Installation >40', Add	21.78	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.88	
26 05 33 13-0194 EA 3-1/2" Rigid Galvanized Steel (RGS) Steel Bushing.....	74.67	22.27
For Work In Restricted Working Space, Add	13.37	
For Elevated Installation >10' To 15', Add	4.46	
For Elevated Installation >15' To 20', Add	8.91	
For Elevated Installation >20' To 25', Add	11.14	
For Elevated Installation >25' To 30', Add	15.60	
For Elevated Installation >30' To 35', Add	17.82	
For Elevated Installation >35' To 40', Add	22.28	
For Elevated Installation >40', Add	24.51	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.37	
26 05 33 13-0195 EA 4" Rigid Galvanized Steel (RGS) Steel Bushing.....	98.33	24.75
For Work In Restricted Working Space, Add	14.85	
For Elevated Installation >10' To 15', Add	4.95	
For Elevated Installation >15' To 20', Add	9.90	
For Elevated Installation >20' To 25', Add	12.38	
For Elevated Installation >25' To 30', Add	17.33	
For Elevated Installation >30' To 35', Add	19.80	
For Elevated Installation >35' To 40', Add	24.75	
For Elevated Installation >40', Add	27.23	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.85	
26 05 33 13-0196 EA 5" Rigid Galvanized Steel (RGS) Steel Bushing.....	128.51	27.23
For Work In Restricted Working Space, Add	16.34	
For Elevated Installation >10' To 15', Add	5.45	
For Elevated Installation >15' To 20', Add	10.89	
For Elevated Installation >20' To 25', Add	13.61	
For Elevated Installation >25' To 30', Add	19.06	
For Elevated Installation >30' To 35', Add	21.78	
For Elevated Installation >35' To 40', Add	27.23	
For Elevated Installation >40', Add	29.95	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.34	
26 05 33 13-0197 EA 6" Rigid Galvanized Steel (RGS) Steel Bushing.....	184.41	29.70
For Work In Restricted Working Space, Add	17.82	
For Elevated Installation >10' To 15', Add	5.94	
For Elevated Installation >15' To 20', Add	11.88	
For Elevated Installation >20' To 25', Add	14.85	
For Elevated Installation >25' To 30', Add	20.79	
For Elevated Installation >30' To 35', Add	23.76	
For Elevated Installation >35' To 40', Add	29.70	
For Elevated Installation >40', Add	32.67	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.82	
<b>26 05 33 13-0198 Rigid Galvanized Steel (RGS) Steel Insulated Bushing (26 05 33 13-0059)</b>		
26 05 33 13-0199 EA 1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	16.22	7.42
For Work In Restricted Working Space, Add	4.46	
For Elevated Installation >10' To 15', Add	1.49	
For Elevated Installation >15' To 20', Add	2.97	
For Elevated Installation >20' To 25', Add	3.71	
For Elevated Installation >25' To 30', Add	5.20	
For Elevated Installation >30' To 35', Add	5.94	
For Elevated Installation >35' To 40', Add	7.43	
For Elevated Installation >40', Add	8.17	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.46	
26 05 33 13-0200 EA 3/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	17.87	7.92
For Work In Restricted Working Space, Add	4.75	
For Elevated Installation >10' To 15', Add	1.58	
For Elevated Installation >15' To 20', Add	3.17	
For Elevated Installation >20' To 25', Add	3.96	
For Elevated Installation >25' To 30', Add	5.54	
For Elevated Installation >30' To 35', Add	6.34	
For Elevated Installation >35' To 40', Add	7.92	
For Elevated Installation >40', Add	8.71	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.75	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 33 13-0201	EA	1" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	20.82	8.92
		<i>For Work In Restricted Working Space, Add</i>	5.35	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.78	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	3.56	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	4.46	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	6.24	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	7.13	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	8.91	
		<i>For Elevated Installation &gt;40', Add</i>	9.80	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.35	
26 05 33 13-0202	EA	1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	24.14	9.90
		<i>For Work In Restricted Working Space, Add</i>	5.94	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.98	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	3.96	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	4.95	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	6.93	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	7.92	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	9.90	
		<i>For Elevated Installation &gt;40', Add</i>	10.89	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.94	
26 05 33 13-0203	EA	1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	30.13	12.38
		<i>For Work In Restricted Working Space, Add</i>	7.43	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.48	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	4.95	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	6.19	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	8.66	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	9.90	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	12.38	
		<i>For Elevated Installation &gt;40', Add</i>	13.61	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.43	
26 05 33 13-0204	EA	2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	37.21	14.85
		<i>For Work In Restricted Working Space, Add</i>	8.91	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.97	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	5.94	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	7.43	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	10.40	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	11.88	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	14.85	
		<i>For Elevated Installation &gt;40', Add</i>	16.34	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.91	
26 05 33 13-0205	EA	2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	50.42	17.33
		<i>For Work In Restricted Working Space, Add</i>	10.40	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.47	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	6.93	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	8.66	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	12.13	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	13.86	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	17.33	
		<i>For Elevated Installation &gt;40', Add</i>	19.06	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.40	
26 05 33 13-0206	EA	3" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	59.46	19.80
		<i>For Work In Restricted Working Space, Add</i>	11.88	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.96	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	7.92	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	9.90	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	13.86	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	15.84	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	19.80	
		<i>For Elevated Installation &gt;40', Add</i>	21.78	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.88	
26 05 33 13-0207	EA	3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	75.97	22.27
		<i>For Work In Restricted Working Space, Add</i>	13.37	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	4.46	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	8.91	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	11.14	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	15.60	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	17.82	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	22.28	
		<i>For Elevated Installation &gt;40', Add</i>	24.51	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.37	
26 05 33 13-0208	EA	4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	104.14	24.75
		<i>For Work In Restricted Working Space, Add</i>	14.85	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	4.95	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	9.90	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	12.38	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	17.33	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	19.80	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	24.75	
		<i>For Elevated Installation &gt;40', Add</i>	27.23	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.85	
26 05 33 13-0209	EA	5" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	134.85	27.23
		<i>For Work In Restricted Working Space, Add</i>	16.34	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.45	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	10.89	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	13.61	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	19.06	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	21.78	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	27.23	
		<i>For Elevated Installation &gt;40', Add</i>	29.95	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.34	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0210 EA 6" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	186.64	29.70
For Work In Restricted Working Space, Add	17.82	
For Elevated Installation >10' To 15', Add	5.94	
For Elevated Installation >15' To 20', Add	11.88	
For Elevated Installation >20' To 25', Add	14.85	
For Elevated Installation >25' To 30', Add	20.79	
For Elevated Installation >30' To 35', Add	23.76	
For Elevated Installation >35' To 40', Add	29.70	
For Elevated Installation >40', Add	32.67	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.82	
<b>26 05 33 13-0211 Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing (26 05 33 13-0059)</b>		
26 05 33 13-0212 EA 1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	23.34	8.92
For Work In Restricted Working Space, Add	5.35	
For Elevated Installation >10' To 15', Add	1.78	
For Elevated Installation >15' To 20', Add	3.56	
For Elevated Installation >20' To 25', Add	4.46	
For Elevated Installation >25' To 30', Add	6.24	
For Elevated Installation >30' To 35', Add	7.13	
For Elevated Installation >35' To 40', Add	8.91	
For Elevated Installation >40', Add	9.80	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.35	
26 05 33 13-0213 EA 3/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	26.10	9.90
For Work In Restricted Working Space, Add	5.94	
For Elevated Installation >10' To 15', Add	1.98	
For Elevated Installation >15' To 20', Add	3.96	
For Elevated Installation >20' To 25', Add	4.95	
For Elevated Installation >25' To 30', Add	6.93	
For Elevated Installation >30' To 35', Add	7.92	
For Elevated Installation >35' To 40', Add	9.90	
For Elevated Installation >40', Add	10.89	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.94	
26 05 33 13-0214 EA 1" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	29.63	10.89
For Work In Restricted Working Space, Add	6.53	
For Elevated Installation >10' To 15', Add	2.18	
For Elevated Installation >15' To 20', Add	4.36	
For Elevated Installation >20' To 25', Add	5.45	
For Elevated Installation >25' To 30', Add	7.62	
For Elevated Installation >30' To 35', Add	8.71	
For Elevated Installation >35' To 40', Add	10.89	
For Elevated Installation >40', Add	11.98	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.53	
26 05 33 13-0215 EA 1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	34.91	12.38
For Work In Restricted Working Space, Add	7.43	
For Elevated Installation >10' To 15', Add	2.48	
For Elevated Installation >15' To 20', Add	4.95	
For Elevated Installation >20' To 25', Add	6.19	
For Elevated Installation >25' To 30', Add	8.66	
For Elevated Installation >30' To 35', Add	9.90	
For Elevated Installation >35' To 40', Add	12.38	
For Elevated Installation >40', Add	13.61	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.43	
26 05 33 13-0216 EA 1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	42.42	15.34
For Work In Restricted Working Space, Add	9.21	
For Elevated Installation >10' To 15', Add	3.07	
For Elevated Installation >15' To 20', Add	6.14	
For Elevated Installation >20' To 25', Add	7.67	
For Elevated Installation >25' To 30', Add	10.74	
For Elevated Installation >30' To 35', Add	12.28	
For Elevated Installation >35' To 40', Add	15.35	
For Elevated Installation >40', Add	16.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.21	
26 05 33 13-0217 EA 2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	52.93	18.31
For Work In Restricted Working Space, Add	10.99	
For Elevated Installation >10' To 15', Add	3.66	
For Elevated Installation >15' To 20', Add	7.33	
For Elevated Installation >20' To 25', Add	9.16	
For Elevated Installation >25' To 30', Add	12.82	
For Elevated Installation >30' To 35', Add	14.65	
For Elevated Installation >35' To 40', Add	18.32	
For Elevated Installation >40', Add	20.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.99	
26 05 33 13-0218 EA 2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	69.19	21.29
For Work In Restricted Working Space, Add	12.77	
For Elevated Installation >10' To 15', Add	4.26	
For Elevated Installation >15' To 20', Add	8.51	
For Elevated Installation >20' To 25', Add	10.64	
For Elevated Installation >25' To 30', Add	14.90	
For Elevated Installation >30' To 35', Add	17.03	
For Elevated Installation >35' To 40', Add	21.29	
For Elevated Installation >40', Add	23.41	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.77	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0219	EA 3" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	76.96	24.75
	<i>For Work In Restricted Working Space, Add</i>	14.85	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	4.95	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	9.90	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	12.38	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	17.33	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	19.80	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	24.75	
	<i>For Elevated Installation &gt;40', Add</i>	27.23	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.85	
26 05 33 13-0220	EA 3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	86.90	27.72
	<i>For Work In Restricted Working Space, Add</i>	16.64	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	5.55	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	11.09	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	13.86	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	19.41	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	22.18	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	27.73	
	<i>For Elevated Installation &gt;40', Add</i>	30.50	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.64	
26 05 33 13-0221	EA 4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	109.53	30.69
	<i>For Work In Restricted Working Space, Add</i>	18.41	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	6.14	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	12.28	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	15.35	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	21.48	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	24.55	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	30.69	
	<i>For Elevated Installation &gt;40', Add</i>	33.76	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.41	
26 05 33 13-0222	EA 5" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	150.19	33.67
	<i>For Work In Restricted Working Space, Add</i>	20.20	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	6.73	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	13.46	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	16.83	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	23.56	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	26.93	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	33.66	
	<i>For Elevated Installation &gt;40', Add</i>	37.03	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.20	
26 05 33 13-0223	EA 6" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	201.99	37.13
	<i>For Work In Restricted Working Space, Add</i>	22.28	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	7.43	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	14.85	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	18.56	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	25.99	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	29.70	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	37.13	
	<i>For Elevated Installation &gt;40', Add</i>	40.84	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.28	
<b>26 05 33 13-0224</b>	<b>Rigid Galvanized Steel (RGS) Box Connectors With Set Screw</b> <small>(26 05 33 13-0059)</small>		
26 05 33 13-0225	EA 1/2" Rigid Galvanized Steel (RGS) Box Connector With Set Screw.....	16.56	4.55
	<i>For Work In Restricted Working Space, Add</i>	3.39	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	1.13	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	2.26	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	2.83	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	3.96	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	4.52	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	5.65	
	<i>For Elevated Installation &gt;40', Add</i>	6.22	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.39	
26 05 33 13-0226	EA 3/4" Rigid Galvanized Steel (RGS) Box Connector With Set Screw.....	20.38	5.24
	<i>For Work In Restricted Working Space, Add</i>	3.92	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	1.31	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	2.62	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	3.27	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	4.58	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	5.23	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	6.54	
	<i>For Elevated Installation &gt;40', Add</i>	7.19	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.92	
26 05 33 13-0227	EA 1" Rigid Galvanized Steel (RGS) Box Connector With Set Screw.....	27.41	6.34
	<i>For Work In Restricted Working Space, Add</i>	4.73	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	1.58	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	3.15	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	3.94	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	5.52	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	6.31	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	7.89	
	<i>For Elevated Installation &gt;40', Add</i>	8.67	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.73	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0228 EA 1-1/4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw .....	42.44	7.82
For Work In Restricted Working Space, Add	5.89	
For Elevated Installation >10' To 15', Add	1.96	
For Elevated Installation >15' To 20', Add	3.92	
For Elevated Installation >20' To 25', Add	4.91	
For Elevated Installation >25' To 30', Add	6.87	
For Elevated Installation >30' To 35', Add	7.85	
For Elevated Installation >35' To 40', Add	9.81	
For Elevated Installation >40', Add	10.79	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.89	
26 05 33 13-0229 EA 1-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw .....	57.61	10.49
For Work In Restricted Working Space, Add	7.88	
For Elevated Installation >10' To 15', Add	2.63	
For Elevated Installation >15' To 20', Add	5.25	
For Elevated Installation >20' To 25', Add	6.57	
For Elevated Installation >25' To 30', Add	9.19	
For Elevated Installation >30' To 35', Add	10.50	
For Elevated Installation >35' To 40', Add	13.13	
For Elevated Installation >40', Add	14.44	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.88	
26 05 33 13-0230 EA 2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	100.80	15.74
For Work In Restricted Working Space, Add	11.80	
For Elevated Installation >10' To 15', Add	3.93	
For Elevated Installation >15' To 20', Add	7.87	
For Elevated Installation >20' To 25', Add	9.83	
For Elevated Installation >25' To 30', Add	13.77	
For Elevated Installation >30' To 35', Add	15.73	
For Elevated Installation >35' To 40', Add	19.67	
For Elevated Installation >40', Add	21.63	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.80	
26 05 33 13-0231 EA 2-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw .....	195.68	17.43
For Work In Restricted Working Space, Add	13.07	
For Elevated Installation >10' To 15', Add	4.36	
For Elevated Installation >15' To 20', Add	8.71	
For Elevated Installation >20' To 25', Add	10.89	
For Elevated Installation >25' To 30', Add	15.25	
For Elevated Installation >30' To 35', Add	17.42	
For Elevated Installation >35' To 40', Add	21.78	
For Elevated Installation >40', Add	23.96	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.07	
26 05 33 13-0232 EA 3" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	232.82	21.09
For Work In Restricted Working Space, Add	15.83	
For Elevated Installation >10' To 15', Add	5.28	
For Elevated Installation >15' To 20', Add	10.55	
For Elevated Installation >20' To 25', Add	13.19	
For Elevated Installation >25' To 30', Add	18.47	
For Elevated Installation >30' To 35', Add	21.10	
For Elevated Installation >35' To 40', Add	26.38	
For Elevated Installation >40', Add	29.02	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.83	
26 05 33 13-0233 EA 3-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw .....	317.52	26.44
For Work In Restricted Working Space, Add	19.82	
For Elevated Installation >10' To 15', Add	6.61	
For Elevated Installation >15' To 20', Add	13.21	
For Elevated Installation >20' To 25', Add	16.51	
For Elevated Installation >25' To 30', Add	23.12	
For Elevated Installation >30' To 35', Add	26.42	
For Elevated Installation >35' To 40', Add	33.03	
For Elevated Installation >40', Add	36.33	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.82	
26 05 33 13-0234 EA 4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	371.02	31.68
For Work In Restricted Working Space, Add	23.76	
For Elevated Installation >10' To 15', Add	7.92	
For Elevated Installation >15' To 20', Add	15.84	
For Elevated Installation >20' To 25', Add	19.80	
For Elevated Installation >25' To 30', Add	27.72	
For Elevated Installation >30' To 35', Add	31.68	
For Elevated Installation >35' To 40', Add	39.60	
For Elevated Installation >40', Add	43.56	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.76	
26 05 33 13-0235 EA 5" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	677.87	35.25
For Work In Restricted Working Space, Add	26.40	
For Elevated Installation >10' To 15', Add	8.80	
For Elevated Installation >15' To 20', Add	17.60	
For Elevated Installation >20' To 25', Add	22.00	
For Elevated Installation >25' To 30', Add	30.80	
For Elevated Installation >30' To 35', Add	35.20	
For Elevated Installation >35' To 40', Add	44.01	
For Elevated Installation >40', Add	48.41	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.40	
26 05 33 13-0236 EA 6" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	813.02	39.60
For Work In Restricted Working Space, Add	29.69	
For Elevated Installation >10' To 15', Add	9.90	
For Elevated Installation >15' To 20', Add	19.80	
For Elevated Installation >20' To 25', Add	24.75	
For Elevated Installation >25' To 30', Add	34.64	
For Elevated Installation >30' To 35', Add	39.59	
For Elevated Installation >35' To 40', Add	49.49	
For Elevated Installation >40', Add	54.44	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.69	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 33 13-0237 Rigid Galvanized Steel (RGS) Nipples <small>(26 05 33 13-0059)</small>			
26 05 33 13-0238	EA 1/2" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	14.63	6.44
	For Work In Restricted Working Space, Add	3.86	
	For Elevated Installation >10' To 15', Add	1.29	
	For Elevated Installation >15' To 20', Add	2.57	
	For Elevated Installation >20' To 25', Add	3.22	
	For Elevated Installation >25' To 30', Add	4.50	
	For Elevated Installation >30' To 35', Add	5.15	
	For Elevated Installation >35' To 40', Add	6.44	
	For Elevated Installation >40', Add	7.08	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.86	
26 05 33 13-0239	EA 3/4" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	16.83	7.42
	For Work In Restricted Working Space, Add	4.46	
	For Elevated Installation >10' To 15', Add	1.49	
	For Elevated Installation >15' To 20', Add	2.97	
	For Elevated Installation >20' To 25', Add	3.71	
	For Elevated Installation >25' To 30', Add	5.20	
	For Elevated Installation >30' To 35', Add	5.94	
	For Elevated Installation >35' To 40', Add	7.43	
	For Elevated Installation >40', Add	8.17	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.46	
26 05 33 13-0240	EA 1" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	21.57	9.41
	For Work In Restricted Working Space, Add	5.64	
	For Elevated Installation >10' To 15', Add	1.88	
	For Elevated Installation >15' To 20', Add	3.76	
	For Elevated Installation >20' To 25', Add	4.70	
	For Elevated Installation >25' To 30', Add	6.58	
	For Elevated Installation >30' To 35', Add	7.52	
	For Elevated Installation >35' To 40', Add	9.41	
	For Elevated Installation >40', Add	10.35	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.64	
26 05 33 13-0241	EA 1-1/4" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	25.29	10.89
	For Work In Restricted Working Space, Add	6.53	
	For Elevated Installation >10' To 15', Add	2.18	
	For Elevated Installation >15' To 20', Add	4.36	
	For Elevated Installation >20' To 25', Add	5.45	
	For Elevated Installation >25' To 30', Add	7.62	
	For Elevated Installation >30' To 35', Add	8.71	
	For Elevated Installation >35' To 40', Add	10.89	
	For Elevated Installation >40', Add	11.98	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.53	
26 05 33 13-0242	EA 1-1/2" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	28.92	12.38
	For Work In Restricted Working Space, Add	7.43	
	For Elevated Installation >10' To 15', Add	2.48	
	For Elevated Installation >15' To 20', Add	4.95	
	For Elevated Installation >20' To 25', Add	6.19	
	For Elevated Installation >25' To 30', Add	8.66	
	For Elevated Installation >30' To 35', Add	9.90	
	For Elevated Installation >35' To 40', Add	12.38	
	For Elevated Installation >40', Add	13.61	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.43	
26 05 33 13-0243	EA 1/2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	14.77	6.44
	For Work In Restricted Working Space, Add	3.86	
	For Elevated Installation >10' To 15', Add	1.29	
	For Elevated Installation >15' To 20', Add	2.57	
	For Elevated Installation >20' To 25', Add	3.22	
	For Elevated Installation >25' To 30', Add	4.50	
	For Elevated Installation >30' To 35', Add	5.15	
	For Elevated Installation >35' To 40', Add	6.44	
	For Elevated Installation >40', Add	7.08	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.86	
26 05 33 13-0244	EA 3/4" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	17.05	7.42
	For Work In Restricted Working Space, Add	4.46	
	For Elevated Installation >10' To 15', Add	1.49	
	For Elevated Installation >15' To 20', Add	2.97	
	For Elevated Installation >20' To 25', Add	3.71	
	For Elevated Installation >25' To 30', Add	5.20	
	For Elevated Installation >30' To 35', Add	5.94	
	For Elevated Installation >35' To 40', Add	7.43	
	For Elevated Installation >40', Add	8.17	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.46	
26 05 33 13-0245	EA 1" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	21.81	9.41
	For Work In Restricted Working Space, Add	5.64	
	For Elevated Installation >10' To 15', Add	1.88	
	For Elevated Installation >15' To 20', Add	3.76	
	For Elevated Installation >20' To 25', Add	4.70	
	For Elevated Installation >25' To 30', Add	6.58	
	For Elevated Installation >30' To 35', Add	7.52	
	For Elevated Installation >35' To 40', Add	9.41	
	For Elevated Installation >40', Add	10.35	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.64	
26 05 33 13-0246	EA 1-1/4" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	25.63	10.89
	For Work In Restricted Working Space, Add	6.53	
	For Elevated Installation >10' To 15', Add	2.18	
	For Elevated Installation >15' To 20', Add	4.36	
	For Elevated Installation >20' To 25', Add	5.45	
	For Elevated Installation >25' To 30', Add	7.62	
	For Elevated Installation >30' To 35', Add	8.71	
	For Elevated Installation >35' To 40', Add	10.89	
	For Elevated Installation >40', Add	11.98	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0247 EA 1-1/2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	29.45	12.38
For Work In Restricted Working Space, Add	7.43	
For Elevated Installation >10' To 15', Add	2.48	
For Elevated Installation >15' To 20', Add	4.95	
For Elevated Installation >20' To 25', Add	6.19	
For Elevated Installation >25' To 30', Add	8.66	
For Elevated Installation >30' To 35', Add	9.90	
For Elevated Installation >35' To 40', Add	12.38	
For Elevated Installation >40', Add	13.61	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.43	
26 05 33 13-0248 EA 2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	33.39	13.86
For Work In Restricted Working Space, Add	8.32	
For Elevated Installation >10' To 15', Add	2.77	
For Elevated Installation >15' To 20', Add	5.54	
For Elevated Installation >20' To 25', Add	6.93	
For Elevated Installation >25' To 30', Add	9.70	
For Elevated Installation >30' To 35', Add	11.09	
For Elevated Installation >35' To 40', Add	13.86	
For Elevated Installation >40', Add	15.25	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.32	
26 05 33 13-0249 EA 1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple.....	14.92	6.44
For Work In Restricted Working Space, Add	3.86	
For Elevated Installation >10' To 15', Add	1.29	
For Elevated Installation >15' To 20', Add	2.57	
For Elevated Installation >20' To 25', Add	3.22	
For Elevated Installation >25' To 30', Add	4.50	
For Elevated Installation >30' To 35', Add	5.15	
For Elevated Installation >35' To 40', Add	6.44	
For Elevated Installation >40', Add	7.08	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.86	
26 05 33 13-0250 EA 3/4" x 3" Long, Rigid Galvanized Steel (RGS) Nipple.....	17.25	7.42
For Work In Restricted Working Space, Add	4.46	
For Elevated Installation >10' To 15', Add	1.49	
For Elevated Installation >15' To 20', Add	2.97	
For Elevated Installation >20' To 25', Add	3.71	
For Elevated Installation >25' To 30', Add	5.20	
For Elevated Installation >30' To 35', Add	5.94	
For Elevated Installation >35' To 40', Add	7.43	
For Elevated Installation >40', Add	8.17	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.46	
26 05 33 13-0251 EA 1" x 3" Long, Rigid Galvanized Steel (RGS) Nipple.....	22.16	9.41
For Work In Restricted Working Space, Add	5.64	
For Elevated Installation >10' To 15', Add	1.88	
For Elevated Installation >15' To 20', Add	3.76	
For Elevated Installation >20' To 25', Add	4.70	
For Elevated Installation >25' To 30', Add	6.58	
For Elevated Installation >30' To 35', Add	7.52	
For Elevated Installation >35' To 40', Add	9.41	
For Elevated Installation >40', Add	10.35	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.64	
26 05 33 13-0252 EA 1-1/4" x 3" Long, Rigid Galvanized Steel (RGS) Nipple.....	25.93	10.89
For Work In Restricted Working Space, Add	6.53	
For Elevated Installation >10' To 15', Add	2.18	
For Elevated Installation >15' To 20', Add	4.36	
For Elevated Installation >20' To 25', Add	5.45	
For Elevated Installation >25' To 30', Add	7.62	
For Elevated Installation >30' To 35', Add	8.71	
For Elevated Installation >35' To 40', Add	10.89	
For Elevated Installation >40', Add	11.98	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.53	
26 05 33 13-0253 EA 1-1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple.....	29.81	12.38
For Work In Restricted Working Space, Add	7.43	
For Elevated Installation >10' To 15', Add	2.48	
For Elevated Installation >15' To 20', Add	4.95	
For Elevated Installation >20' To 25', Add	6.19	
For Elevated Installation >25' To 30', Add	8.66	
For Elevated Installation >30' To 35', Add	9.90	
For Elevated Installation >35' To 40', Add	12.38	
For Elevated Installation >40', Add	13.61	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.43	
26 05 33 13-0254 EA 2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple.....	34.28	13.86
For Work In Restricted Working Space, Add	8.32	
For Elevated Installation >10' To 15', Add	2.77	
For Elevated Installation >15' To 20', Add	5.54	
For Elevated Installation >20' To 25', Add	6.93	
For Elevated Installation >25' To 30', Add	9.70	
For Elevated Installation >30' To 35', Add	11.09	
For Elevated Installation >35' To 40', Add	13.86	
For Elevated Installation >40', Add	15.25	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.32	
26 05 33 13-0255 EA 2-1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple.....	47.21	16.83
For Work In Restricted Working Space, Add	10.10	
For Elevated Installation >10' To 15', Add	3.37	
For Elevated Installation >15' To 20', Add	6.73	
For Elevated Installation >20' To 25', Add	8.42	
For Elevated Installation >25' To 30', Add	11.78	
For Elevated Installation >30' To 35', Add	13.46	
For Elevated Installation >35' To 40', Add	16.83	
For Elevated Installation >40', Add	18.51	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.10	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0256	EA	3" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	.....	63.19	23.27
		<i>For Work In Restricted Working Space, Add</i>		13.96	
		<i>For Elevated Installation &gt;10' To 15', Add</i>		4.65	
		<i>For Elevated Installation &gt;15' To 20', Add</i>		9.31	
		<i>For Elevated Installation &gt;20' To 25', Add</i>		11.63	
		<i>For Elevated Installation &gt;25' To 30', Add</i>		16.29	
		<i>For Elevated Installation &gt;30' To 35', Add</i>		18.61	
		<i>For Elevated Installation &gt;35' To 40', Add</i>		23.27	
		<i>For Elevated Installation &gt;40', Add</i>		25.59	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		13.96	
26 05 33 13-0257	EA	1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	.....	15.12	6.44
		<i>For Work In Restricted Working Space, Add</i>		3.86	
		<i>For Elevated Installation &gt;10' To 15', Add</i>		1.29	
		<i>For Elevated Installation &gt;15' To 20', Add</i>		2.57	
		<i>For Elevated Installation &gt;20' To 25', Add</i>		3.22	
		<i>For Elevated Installation &gt;25' To 30', Add</i>		4.50	
		<i>For Elevated Installation &gt;30' To 35', Add</i>		5.15	
		<i>For Elevated Installation &gt;35' To 40', Add</i>		6.44	
		<i>For Elevated Installation &gt;40', Add</i>		7.08	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		3.86	
26 05 33 13-0258	EA	3/4" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	.....	17.35	7.42
		<i>For Work In Restricted Working Space, Add</i>		4.46	
		<i>For Elevated Installation &gt;10' To 15', Add</i>		1.49	
		<i>For Elevated Installation &gt;15' To 20', Add</i>		2.97	
		<i>For Elevated Installation &gt;20' To 25', Add</i>		3.71	
		<i>For Elevated Installation &gt;25' To 30', Add</i>		5.20	
		<i>For Elevated Installation &gt;30' To 35', Add</i>		5.94	
		<i>For Elevated Installation &gt;35' To 40', Add</i>		7.43	
		<i>For Elevated Installation &gt;40', Add</i>		8.17	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		4.46	
26 05 33 13-0259	EA	1" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	.....	22.60	9.41
		<i>For Work In Restricted Working Space, Add</i>		5.64	
		<i>For Elevated Installation &gt;10' To 15', Add</i>		1.88	
		<i>For Elevated Installation &gt;15' To 20', Add</i>		3.76	
		<i>For Elevated Installation &gt;20' To 25', Add</i>		4.70	
		<i>For Elevated Installation &gt;25' To 30', Add</i>		6.58	
		<i>For Elevated Installation &gt;30' To 35', Add</i>		7.52	
		<i>For Elevated Installation &gt;35' To 40', Add</i>		9.41	
		<i>For Elevated Installation &gt;40', Add</i>		10.35	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		5.64	
26 05 33 13-0260	EA	1-1/4" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	.....	26.49	10.89
		<i>For Work In Restricted Working Space, Add</i>		6.53	
		<i>For Elevated Installation &gt;10' To 15', Add</i>		2.18	
		<i>For Elevated Installation &gt;15' To 20', Add</i>		4.36	
		<i>For Elevated Installation &gt;20' To 25', Add</i>		5.45	
		<i>For Elevated Installation &gt;25' To 30', Add</i>		7.62	
		<i>For Elevated Installation &gt;30' To 35', Add</i>		8.71	
		<i>For Elevated Installation &gt;35' To 40', Add</i>		10.89	
		<i>For Elevated Installation &gt;40', Add</i>		11.98	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		6.53	
26 05 33 13-0261	EA	1-1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	.....	30.56	12.38
		<i>For Work In Restricted Working Space, Add</i>		7.43	
		<i>For Elevated Installation &gt;10' To 15', Add</i>		2.48	
		<i>For Elevated Installation &gt;15' To 20', Add</i>		4.95	
		<i>For Elevated Installation &gt;20' To 25', Add</i>		6.19	
		<i>For Elevated Installation &gt;25' To 30', Add</i>		8.66	
		<i>For Elevated Installation &gt;30' To 35', Add</i>		9.90	
		<i>For Elevated Installation &gt;35' To 40', Add</i>		12.38	
		<i>For Elevated Installation &gt;40', Add</i>		13.61	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		7.43	
26 05 33 13-0262	EA	2" x 3-1/2" Long, Rigid Galvanized Steel (RGS), Nipple	.....	35.19	13.86
		<i>For Work In Restricted Working Space, Add</i>		8.32	
		<i>For Elevated Installation &gt;10' To 15', Add</i>		2.77	
		<i>For Elevated Installation &gt;15' To 20', Add</i>		5.54	
		<i>For Elevated Installation &gt;20' To 25', Add</i>		6.93	
		<i>For Elevated Installation &gt;25' To 30', Add</i>		9.70	
		<i>For Elevated Installation &gt;30' To 35', Add</i>		11.09	
		<i>For Elevated Installation &gt;35' To 40', Add</i>		13.86	
		<i>For Elevated Installation &gt;40', Add</i>		15.25	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		8.32	
26 05 33 13-0263	EA	2-1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	.....	49.68	16.83
		<i>For Work In Restricted Working Space, Add</i>		10.10	
		<i>For Elevated Installation &gt;10' To 15', Add</i>		3.37	
		<i>For Elevated Installation &gt;15' To 20', Add</i>		6.73	
		<i>For Elevated Installation &gt;20' To 25', Add</i>		8.42	
		<i>For Elevated Installation &gt;25' To 30', Add</i>		11.78	
		<i>For Elevated Installation &gt;30' To 35', Add</i>		13.46	
		<i>For Elevated Installation &gt;35' To 40', Add</i>		16.83	
		<i>For Elevated Installation &gt;40', Add</i>		18.51	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		10.10	
26 05 33 13-0264	EA	3" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	.....	65.32	23.27
		<i>For Work In Restricted Working Space, Add</i>		13.96	
		<i>For Elevated Installation &gt;10' To 15', Add</i>		4.65	
		<i>For Elevated Installation &gt;15' To 20', Add</i>		9.31	
		<i>For Elevated Installation &gt;20' To 25', Add</i>		11.63	
		<i>For Elevated Installation &gt;25' To 30', Add</i>		16.29	
		<i>For Elevated Installation &gt;30' To 35', Add</i>		18.61	
		<i>For Elevated Installation &gt;35' To 40', Add</i>		23.27	
		<i>For Elevated Installation &gt;40', Add</i>		25.59	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		13.96	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0265 EA 1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple.....	15.31	6.44
For Work In Restricted Working Space, Add	3.86	
For Elevated Installation >10' To 15', Add	1.29	
For Elevated Installation >15' To 20', Add	2.57	
For Elevated Installation >20' To 25', Add	3.22	
For Elevated Installation >25' To 30', Add	4.50	
For Elevated Installation >30' To 35', Add	5.15	
For Elevated Installation >35' To 40', Add	6.44	
For Elevated Installation >40', Add	7.08	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.86	
26 05 33 13-0266 EA 3/4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple.....	17.69	7.42
For Work In Restricted Working Space, Add	4.46	
For Elevated Installation >10' To 15', Add	1.49	
For Elevated Installation >15' To 20', Add	2.97	
For Elevated Installation >20' To 25', Add	3.71	
For Elevated Installation >25' To 30', Add	5.20	
For Elevated Installation >30' To 35', Add	5.94	
For Elevated Installation >35' To 40', Add	7.43	
For Elevated Installation >40', Add	8.17	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.46	
26 05 33 13-0267 EA 1" x 4" Long, Rigid Galvanized Steel (RGS) Nipple.....	22.88	9.41
For Work In Restricted Working Space, Add	5.64	
For Elevated Installation >10' To 15', Add	1.88	
For Elevated Installation >15' To 20', Add	3.76	
For Elevated Installation >20' To 25', Add	4.70	
For Elevated Installation >25' To 30', Add	6.58	
For Elevated Installation >30' To 35', Add	7.52	
For Elevated Installation >35' To 40', Add	9.41	
For Elevated Installation >40', Add	10.35	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.64	
26 05 33 13-0268 EA 1-1/4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple.....	26.77	10.89
For Work In Restricted Working Space, Add	6.53	
For Elevated Installation >10' To 15', Add	2.18	
For Elevated Installation >15' To 20', Add	4.36	
For Elevated Installation >20' To 25', Add	5.45	
For Elevated Installation >25' To 30', Add	7.62	
For Elevated Installation >30' To 35', Add	8.71	
For Elevated Installation >35' To 40', Add	10.89	
For Elevated Installation >40', Add	11.98	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.53	
26 05 33 13-0269 EA 1-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple.....	31.07	12.38
For Work In Restricted Working Space, Add	7.43	
For Elevated Installation >10' To 15', Add	2.48	
For Elevated Installation >15' To 20', Add	4.95	
For Elevated Installation >20' To 25', Add	6.19	
For Elevated Installation >25' To 30', Add	8.66	
For Elevated Installation >30' To 35', Add	9.90	
For Elevated Installation >35' To 40', Add	12.38	
For Elevated Installation >40', Add	13.61	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.43	
26 05 33 13-0270 EA 2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple.....	35.97	13.86
For Work In Restricted Working Space, Add	8.32	
For Elevated Installation >10' To 15', Add	2.77	
For Elevated Installation >15' To 20', Add	5.54	
For Elevated Installation >20' To 25', Add	6.93	
For Elevated Installation >25' To 30', Add	9.70	
For Elevated Installation >30' To 35', Add	11.09	
For Elevated Installation >35' To 40', Add	13.86	
For Elevated Installation >40', Add	15.25	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.32	
26 05 33 13-0271 EA 2-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple.....	50.43	16.83
For Work In Restricted Working Space, Add	10.10	
For Elevated Installation >10' To 15', Add	3.37	
For Elevated Installation >15' To 20', Add	6.73	
For Elevated Installation >20' To 25', Add	8.42	
For Elevated Installation >25' To 30', Add	11.78	
For Elevated Installation >30' To 35', Add	13.46	
For Elevated Installation >35' To 40', Add	16.83	
For Elevated Installation >40', Add	18.51	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.10	
26 05 33 13-0272 EA 3" x 4" Long, Rigid Galvanized Steel (RGS) Nipple.....	66.90	23.27
For Work In Restricted Working Space, Add	13.96	
For Elevated Installation >10' To 15', Add	4.65	
For Elevated Installation >15' To 20', Add	9.31	
For Elevated Installation >20' To 25', Add	11.63	
For Elevated Installation >25' To 30', Add	16.29	
For Elevated Installation >30' To 35', Add	18.61	
For Elevated Installation >35' To 40', Add	23.27	
For Elevated Installation >40', Add	25.59	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.96	
26 05 33 13-0273 EA 3-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple.....	77.27	26.23
For Work In Restricted Working Space, Add	15.74	
For Elevated Installation >10' To 15', Add	5.25	
For Elevated Installation >15' To 20', Add	10.49	
For Elevated Installation >20' To 25', Add	13.12	
For Elevated Installation >25' To 30', Add	18.36	
For Elevated Installation >30' To 35', Add	20.99	
For Elevated Installation >35' To 40', Add	26.24	
For Elevated Installation >40', Add	28.86	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.74	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0274	EA 4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple .....	96.14	34.16
	For Work In Restricted Working Space, Add	20.49	
	For Elevated Installation >10' To 15', Add	6.83	
	For Elevated Installation >15' To 20', Add	13.66	
	For Elevated Installation >20' To 25', Add	17.08	
	For Elevated Installation >25' To 30', Add	23.91	
	For Elevated Installation >30' To 35', Add	27.32	
	For Elevated Installation >35' To 40', Add	34.15	
	For Elevated Installation >40', Add	37.57	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.49	
26 05 33 13-0275	EA 1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple .....	15.60	6.44
	For Work In Restricted Working Space, Add	3.86	
	For Elevated Installation >10' To 15', Add	1.29	
	For Elevated Installation >15' To 20', Add	2.57	
	For Elevated Installation >20' To 25', Add	3.22	
	For Elevated Installation >25' To 30', Add	4.50	
	For Elevated Installation >30' To 35', Add	5.15	
	For Elevated Installation >35' To 40', Add	6.44	
	For Elevated Installation >40', Add	7.08	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.86	
26 05 33 13-0276	EA 3/4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple .....	18.12	7.42
	For Work In Restricted Working Space, Add	4.46	
	For Elevated Installation >10' To 15', Add	1.49	
	For Elevated Installation >15' To 20', Add	2.97	
	For Elevated Installation >20' To 25', Add	3.71	
	For Elevated Installation >25' To 30', Add	5.20	
	For Elevated Installation >30' To 35', Add	5.94	
	For Elevated Installation >35' To 40', Add	7.43	
	For Elevated Installation >40', Add	8.17	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.46	
26 05 33 13-0277	EA 1" x 5" Long, Rigid Galvanized Steel (RGS) Nipple .....	23.42	9.41
	For Work In Restricted Working Space, Add	5.64	
	For Elevated Installation >10' To 15', Add	1.88	
	For Elevated Installation >15' To 20', Add	3.76	
	For Elevated Installation >20' To 25', Add	4.70	
	For Elevated Installation >25' To 30', Add	6.58	
	For Elevated Installation >30' To 35', Add	7.52	
	For Elevated Installation >35' To 40', Add	9.41	
	For Elevated Installation >40', Add	10.35	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.64	
26 05 33 13-0278	EA 1-1/4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple .....	27.56	10.89
	For Work In Restricted Working Space, Add	6.53	
	For Elevated Installation >10' To 15', Add	2.18	
	For Elevated Installation >15' To 20', Add	4.36	
	For Elevated Installation >20' To 25', Add	5.45	
	For Elevated Installation >25' To 30', Add	7.62	
	For Elevated Installation >30' To 35', Add	8.71	
	For Elevated Installation >35' To 40', Add	10.89	
	For Elevated Installation >40', Add	11.98	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.53	
26 05 33 13-0279	EA 1-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple .....	31.84	12.38
	For Work In Restricted Working Space, Add	7.43	
	For Elevated Installation >10' To 15', Add	2.48	
	For Elevated Installation >15' To 20', Add	4.95	
	For Elevated Installation >20' To 25', Add	6.19	
	For Elevated Installation >25' To 30', Add	8.66	
	For Elevated Installation >30' To 35', Add	9.90	
	For Elevated Installation >35' To 40', Add	12.38	
	For Elevated Installation >40', Add	13.61	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.43	
26 05 33 13-0280	EA 2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple .....	37.35	13.86
	For Work In Restricted Working Space, Add	8.32	
	For Elevated Installation >10' To 15', Add	2.77	
	For Elevated Installation >15' To 20', Add	5.54	
	For Elevated Installation >20' To 25', Add	6.93	
	For Elevated Installation >25' To 30', Add	9.70	
	For Elevated Installation >30' To 35', Add	11.09	
	For Elevated Installation >35' To 40', Add	13.86	
	For Elevated Installation >40', Add	15.25	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.32	
26 05 33 13-0281	EA 2-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple .....	53.49	16.83
	For Work In Restricted Working Space, Add	10.10	
	For Elevated Installation >10' To 15', Add	3.37	
	For Elevated Installation >15' To 20', Add	6.73	
	For Elevated Installation >20' To 25', Add	8.42	
	For Elevated Installation >25' To 30', Add	11.78	
	For Elevated Installation >30' To 35', Add	13.46	
	For Elevated Installation >35' To 40', Add	16.83	
	For Elevated Installation >40', Add	18.51	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.10	
26 05 33 13-0282	EA 3" x 5" Long, Rigid Galvanized Steel (RGS) Nipple .....	70.21	23.27
	For Work In Restricted Working Space, Add	13.96	
	For Elevated Installation >10' To 15', Add	4.65	
	For Elevated Installation >15' To 20', Add	9.31	
	For Elevated Installation >20' To 25', Add	11.63	
	For Elevated Installation >25' To 30', Add	16.29	
	For Elevated Installation >30' To 35', Add	18.61	
	For Elevated Installation >35' To 40', Add	23.27	
	For Elevated Installation >40', Add	25.59	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.96	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0283 EA 3-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	80.56	26.23
For Work In Restricted Working Space, Add	15.74	
For Elevated Installation >10' To 15', Add	5.25	
For Elevated Installation >15' To 20', Add	10.49	
For Elevated Installation >20' To 25', Add	13.12	
For Elevated Installation >25' To 30', Add	18.36	
For Elevated Installation >30' To 35', Add	20.99	
For Elevated Installation >35' To 40', Add	26.24	
For Elevated Installation >40', Add	28.86	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.74	
26 05 33 13-0284 EA 4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	100.95	34.16
For Work In Restricted Working Space, Add	20.49	
For Elevated Installation >10' To 15', Add	6.83	
For Elevated Installation >15' To 20', Add	13.66	
For Elevated Installation >20' To 25', Add	17.08	
For Elevated Installation >25' To 30', Add	23.91	
For Elevated Installation >30' To 35', Add	27.32	
For Elevated Installation >35' To 40', Add	34.15	
For Elevated Installation >40', Add	37.57	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.49	
26 05 33 13-0285 EA 5" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	157.42	47.02
For Work In Restricted Working Space, Add	28.22	
For Elevated Installation >10' To 15', Add	9.41	
For Elevated Installation >15' To 20', Add	18.81	
For Elevated Installation >20' To 25', Add	23.51	
For Elevated Installation >25' To 30', Add	32.92	
For Elevated Installation >30' To 35', Add	37.62	
For Elevated Installation >35' To 40', Add	47.03	
For Elevated Installation >40', Add	51.73	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.22	
26 05 33 13-0286 EA 6" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	199.63	60.29
For Work In Restricted Working Space, Add	36.20	
For Elevated Installation >10' To 15', Add	12.07	
For Elevated Installation >15' To 20', Add	24.13	
For Elevated Installation >20' To 25', Add	30.17	
For Elevated Installation >25' To 30', Add	42.23	
For Elevated Installation >30' To 35', Add	48.26	
For Elevated Installation >35' To 40', Add	60.33	
For Elevated Installation >40', Add	66.36	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.20	
26 05 33 13-0287 EA 1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....	16.13	6.44
For Work In Restricted Working Space, Add	3.86	
For Elevated Installation >10' To 15', Add	1.29	
For Elevated Installation >15' To 20', Add	2.57	
For Elevated Installation >20' To 25', Add	3.22	
For Elevated Installation >25' To 30', Add	4.50	
For Elevated Installation >30' To 35', Add	5.15	
For Elevated Installation >35' To 40', Add	6.44	
For Elevated Installation >40', Add	7.08	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.86	
26 05 33 13-0288 EA 3/4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....	18.66	7.42
For Work In Restricted Working Space, Add	4.46	
For Elevated Installation >10' To 15', Add	1.49	
For Elevated Installation >15' To 20', Add	2.97	
For Elevated Installation >20' To 25', Add	3.71	
For Elevated Installation >25' To 30', Add	5.20	
For Elevated Installation >30' To 35', Add	5.94	
For Elevated Installation >35' To 40', Add	7.43	
For Elevated Installation >40', Add	8.17	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.46	
26 05 33 13-0289 EA 1" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....	23.85	9.41
For Work In Restricted Working Space, Add	5.64	
For Elevated Installation >10' To 15', Add	1.88	
For Elevated Installation >15' To 20', Add	3.76	
For Elevated Installation >20' To 25', Add	4.70	
For Elevated Installation >25' To 30', Add	6.58	
For Elevated Installation >30' To 35', Add	7.52	
For Elevated Installation >35' To 40', Add	9.41	
For Elevated Installation >40', Add	10.35	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.64	
26 05 33 13-0290 EA 1-1/4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....	28.29	10.89
For Work In Restricted Working Space, Add	6.53	
For Elevated Installation >10' To 15', Add	2.18	
For Elevated Installation >15' To 20', Add	4.36	
For Elevated Installation >20' To 25', Add	5.45	
For Elevated Installation >25' To 30', Add	7.62	
For Elevated Installation >30' To 35', Add	8.71	
For Elevated Installation >35' To 40', Add	10.89	
For Elevated Installation >40', Add	11.98	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.53	
26 05 33 13-0291 EA 1-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....	33.47	12.38
For Work In Restricted Working Space, Add	7.43	
For Elevated Installation >10' To 15', Add	2.48	
For Elevated Installation >15' To 20', Add	4.95	
For Elevated Installation >20' To 25', Add	6.19	
For Elevated Installation >25' To 30', Add	8.66	
For Elevated Installation >30' To 35', Add	9.90	
For Elevated Installation >35' To 40', Add	12.38	
For Elevated Installation >40', Add	13.61	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.43	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0292	EA 2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple .....	38.73	13.86
	For Work In Restricted Working Space, Add	8.32	
	For Elevated Installation >10' To 15', Add	2.77	
	For Elevated Installation >15' To 20', Add	5.54	
	For Elevated Installation >20' To 25', Add	6.93	
	For Elevated Installation >25' To 30', Add	9.70	
	For Elevated Installation >30' To 35', Add	11.09	
	For Elevated Installation >35' To 40', Add	13.86	
	For Elevated Installation >40', Add	15.25	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.32	
26 05 33 13-0293	EA 2-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple .....	56.16	16.83
	For Work In Restricted Working Space, Add	10.10	
	For Elevated Installation >10' To 15', Add	3.37	
	For Elevated Installation >15' To 20', Add	6.73	
	For Elevated Installation >20' To 25', Add	8.42	
	For Elevated Installation >25' To 30', Add	11.78	
	For Elevated Installation >30' To 35', Add	13.46	
	For Elevated Installation >35' To 40', Add	16.83	
	For Elevated Installation >40', Add	18.51	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.10	
26 05 33 13-0294	EA 3" x 6" Long, Rigid Galvanized Steel (RGS) Nipple .....	73.58	23.27
	For Work In Restricted Working Space, Add	13.96	
	For Elevated Installation >10' To 15', Add	4.65	
	For Elevated Installation >15' To 20', Add	9.31	
	For Elevated Installation >20' To 25', Add	11.63	
	For Elevated Installation >25' To 30', Add	16.29	
	For Elevated Installation >30' To 35', Add	18.61	
	For Elevated Installation >35' To 40', Add	23.27	
	For Elevated Installation >40', Add	25.59	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.96	
26 05 33 13-0295	EA 3-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple .....	84.57	26.23
	For Work In Restricted Working Space, Add	15.74	
	For Elevated Installation >10' To 15', Add	5.25	
	For Elevated Installation >15' To 20', Add	10.49	
	For Elevated Installation >20' To 25', Add	13.12	
	For Elevated Installation >25' To 30', Add	18.36	
	For Elevated Installation >30' To 35', Add	20.99	
	For Elevated Installation >35' To 40', Add	26.24	
	For Elevated Installation >40', Add	28.86	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.74	
26 05 33 13-0296	EA 4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple .....	104.76	34.16
	For Work In Restricted Working Space, Add	20.49	
	For Elevated Installation >10' To 15', Add	6.83	
	For Elevated Installation >15' To 20', Add	13.66	
	For Elevated Installation >20' To 25', Add	17.08	
	For Elevated Installation >25' To 30', Add	23.91	
	For Elevated Installation >30' To 35', Add	27.32	
	For Elevated Installation >35' To 40', Add	34.15	
	For Elevated Installation >40', Add	37.57	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.49	
26 05 33 13-0297	EA 5" x 6" Long, Rigid Galvanized Steel (RGS) Nipple .....	163.00	47.02
	For Work In Restricted Working Space, Add	28.22	
	For Elevated Installation >10' To 15', Add	9.41	
	For Elevated Installation >15' To 20', Add	18.81	
	For Elevated Installation >20' To 25', Add	23.51	
	For Elevated Installation >25' To 30', Add	32.92	
	For Elevated Installation >30' To 35', Add	37.62	
	For Elevated Installation >35' To 40', Add	47.03	
	For Elevated Installation >40', Add	51.73	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.22	
26 05 33 13-0298	EA 6" x 6" Long, Rigid Galvanized Steel (RGS) Nipple .....	207.81	60.29
	For Work In Restricted Working Space, Add	36.20	
	For Elevated Installation >10' To 15', Add	12.07	
	For Elevated Installation >15' To 20', Add	24.13	
	For Elevated Installation >20' To 25', Add	30.17	
	For Elevated Installation >25' To 30', Add	42.23	
	For Elevated Installation >30' To 35', Add	48.26	
	For Elevated Installation >35' To 40', Add	60.33	
	For Elevated Installation >40', Add	66.36	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.20	
26 05 33 13-0299	EA 1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple .....	18.06	6.44
	For Work In Restricted Working Space, Add	3.86	
	For Elevated Installation >10' To 15', Add	1.29	
	For Elevated Installation >15' To 20', Add	2.57	
	For Elevated Installation >20' To 25', Add	3.22	
	For Elevated Installation >25' To 30', Add	4.50	
	For Elevated Installation >30' To 35', Add	5.15	
	For Elevated Installation >35' To 40', Add	6.44	
	For Elevated Installation >40', Add	7.08	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.86	
26 05 33 13-0300	EA 3/4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple .....	21.13	7.42
	For Work In Restricted Working Space, Add	4.46	
	For Elevated Installation >10' To 15', Add	1.49	
	For Elevated Installation >15' To 20', Add	2.97	
	For Elevated Installation >20' To 25', Add	3.71	
	For Elevated Installation >25' To 30', Add	5.20	
	For Elevated Installation >30' To 35', Add	5.94	
	For Elevated Installation >35' To 40', Add	7.43	
	For Elevated Installation >40', Add	8.17	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.46	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0301 EA 1" x 8" Long, Rigid Galvanized Steel (RGS) Nipple.....	26.76	9.41
For Work In Restricted Working Space, Add	5.64	
For Elevated Installation >10' To 15', Add	1.88	
For Elevated Installation >15' To 20', Add	3.76	
For Elevated Installation >20' To 25', Add	4.70	
For Elevated Installation >25' To 30', Add	6.58	
For Elevated Installation >30' To 35', Add	7.52	
For Elevated Installation >35' To 40', Add	9.41	
For Elevated Installation >40', Add	10.35	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.64	
26 05 33 13-0302 EA 1-1/4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple.....	32.43	10.89
For Work In Restricted Working Space, Add	6.53	
For Elevated Installation >10' To 15', Add	2.18	
For Elevated Installation >15' To 20', Add	4.36	
For Elevated Installation >20' To 25', Add	5.45	
For Elevated Installation >25' To 30', Add	7.62	
For Elevated Installation >30' To 35', Add	8.71	
For Elevated Installation >35' To 40', Add	10.89	
For Elevated Installation >40', Add	11.98	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.53	
26 05 33 13-0303 EA 1-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple.....	38.09	12.38
For Work In Restricted Working Space, Add	7.43	
For Elevated Installation >10' To 15', Add	2.48	
For Elevated Installation >15' To 20', Add	4.95	
For Elevated Installation >20' To 25', Add	6.19	
For Elevated Installation >25' To 30', Add	8.66	
For Elevated Installation >30' To 35', Add	9.90	
For Elevated Installation >35' To 40', Add	12.38	
For Elevated Installation >40', Add	13.61	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.43	
26 05 33 13-0304 EA 2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple.....	43.60	13.86
For Work In Restricted Working Space, Add	8.32	
For Elevated Installation >10' To 15', Add	2.77	
For Elevated Installation >15' To 20', Add	5.54	
For Elevated Installation >20' To 25', Add	6.93	
For Elevated Installation >25' To 30', Add	9.70	
For Elevated Installation >30' To 35', Add	11.09	
For Elevated Installation >35' To 40', Add	13.86	
For Elevated Installation >40', Add	15.25	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.32	
26 05 33 13-0305 EA 2-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple.....	63.26	16.83
For Work In Restricted Working Space, Add	10.10	
For Elevated Installation >10' To 15', Add	3.37	
For Elevated Installation >15' To 20', Add	6.73	
For Elevated Installation >20' To 25', Add	8.42	
For Elevated Installation >25' To 30', Add	11.78	
For Elevated Installation >30' To 35', Add	13.46	
For Elevated Installation >35' To 40', Add	16.83	
For Elevated Installation >40', Add	18.51	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.10	
26 05 33 13-0306 EA 3" x 8" Long, Rigid Galvanized Steel (RGS) Nipple.....	81.72	23.27
For Work In Restricted Working Space, Add	13.96	
For Elevated Installation >10' To 15', Add	4.65	
For Elevated Installation >15' To 20', Add	9.31	
For Elevated Installation >20' To 25', Add	11.63	
For Elevated Installation >25' To 30', Add	16.29	
For Elevated Installation >30' To 35', Add	18.61	
For Elevated Installation >35' To 40', Add	23.27	
For Elevated Installation >40', Add	25.59	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.96	
26 05 33 13-0307 EA 3-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple.....	92.69	26.23
For Work In Restricted Working Space, Add	15.74	
For Elevated Installation >10' To 15', Add	5.25	
For Elevated Installation >15' To 20', Add	10.49	
For Elevated Installation >20' To 25', Add	13.12	
For Elevated Installation >25' To 30', Add	18.36	
For Elevated Installation >30' To 35', Add	20.99	
For Elevated Installation >35' To 40', Add	26.24	
For Elevated Installation >40', Add	28.86	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.74	
26 05 33 13-0308 EA 4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple.....	113.74	34.16
For Work In Restricted Working Space, Add	20.49	
For Elevated Installation >10' To 15', Add	6.83	
For Elevated Installation >15' To 20', Add	13.66	
For Elevated Installation >20' To 25', Add	17.08	
For Elevated Installation >25' To 30', Add	23.91	
For Elevated Installation >30' To 35', Add	27.32	
For Elevated Installation >35' To 40', Add	34.15	
For Elevated Installation >40', Add	37.57	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.49	
26 05 33 13-0309 EA 5" x 8" Long, Rigid Galvanized Steel (RGS) Nipple.....	175.95	47.02
For Work In Restricted Working Space, Add	28.22	
For Elevated Installation >10' To 15', Add	9.41	
For Elevated Installation >15' To 20', Add	18.81	
For Elevated Installation >20' To 25', Add	23.51	
For Elevated Installation >25' To 30', Add	32.92	
For Elevated Installation >30' To 35', Add	37.62	
For Elevated Installation >35' To 40', Add	47.03	
For Elevated Installation >40', Add	51.73	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.22	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0310	EA 6" x 8" Long, Rigid Galvanized Steel (RGS) Nipple .....	222.35	60.29
	<i>For Work In Restricted Working Space, Add</i>	36.20	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	12.07	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	24.13	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	30.17	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	42.23	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	48.26	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	60.33	
	<i>For Elevated Installation &gt;40', Add</i>	66.36	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.20	
26 05 33 13-0311	EA 1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple .....	19.37	6.44
	<i>For Work In Restricted Working Space, Add</i>	3.86	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	1.29	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	2.57	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	3.22	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	4.50	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	5.15	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	6.44	
	<i>For Elevated Installation &gt;40', Add</i>	7.08	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.86	
26 05 33 13-0312	EA 3/4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple .....	22.39	7.42
	<i>For Work In Restricted Working Space, Add</i>	4.46	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	1.49	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	2.97	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	3.71	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	5.20	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	5.94	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	7.43	
	<i>For Elevated Installation &gt;40', Add</i>	8.17	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.46	
26 05 33 13-0313	EA 1" x 10" Long, Rigid Galvanized Steel (RGS) Nipple .....	29.08	9.41
	<i>For Work In Restricted Working Space, Add</i>	5.64	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	1.88	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	3.76	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	4.70	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	6.58	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	7.52	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	9.41	
	<i>For Elevated Installation &gt;40', Add</i>	10.35	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
26 05 33 13-0314	EA 1-1/4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple .....	35.18	10.89
	<i>For Work In Restricted Working Space, Add</i>	6.53	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	2.18	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	4.36	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	5.45	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	7.62	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	8.71	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	10.89	
	<i>For Elevated Installation &gt;40', Add</i>	11.98	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.53	
26 05 33 13-0315	EA 1-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple .....	40.80	12.38
	<i>For Work In Restricted Working Space, Add</i>	7.43	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	2.48	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	4.95	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	6.19	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	8.66	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	9.90	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	12.38	
	<i>For Elevated Installation &gt;40', Add</i>	13.61	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.43	
26 05 33 13-0316	EA 2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple .....	46.74	13.86
	<i>For Work In Restricted Working Space, Add</i>	8.32	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	2.77	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	5.54	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	6.93	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	9.70	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	11.09	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	13.86	
	<i>For Elevated Installation &gt;40', Add</i>	15.25	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.32	
26 05 33 13-0317	EA 2-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple .....	68.02	16.83
	<i>For Work In Restricted Working Space, Add</i>	10.10	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	3.37	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	6.73	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	8.42	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	11.78	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	13.46	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	16.83	
	<i>For Elevated Installation &gt;40', Add</i>	18.51	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.10	
26 05 33 13-0318	EA 3" x 10" Long, Rigid Galvanized Steel (RGS) Nipple .....	88.12	23.27
	<i>For Work In Restricted Working Space, Add</i>	13.96	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	4.65	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	9.31	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	11.63	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	16.29	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	18.61	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	23.27	
	<i>For Elevated Installation &gt;40', Add</i>	25.59	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.96	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0319 EA 3-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple.....	101.13	26.23
For Work In Restricted Working Space, Add	15.74	
For Elevated Installation >10' To 15', Add	5.25	
For Elevated Installation >15' To 20', Add	10.49	
For Elevated Installation >20' To 25', Add	13.12	
For Elevated Installation >25' To 30', Add	18.36	
For Elevated Installation >30' To 35', Add	20.99	
For Elevated Installation >35' To 40', Add	26.24	
For Elevated Installation >40', Add	28.86	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.74	
26 05 33 13-0320 EA 4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple.....	124.42	34.16
For Work In Restricted Working Space, Add	20.49	
For Elevated Installation >10' To 15', Add	6.83	
For Elevated Installation >15' To 20', Add	13.66	
For Elevated Installation >20' To 25', Add	17.08	
For Elevated Installation >25' To 30', Add	23.91	
For Elevated Installation >30' To 35', Add	27.32	
For Elevated Installation >35' To 40', Add	34.15	
For Elevated Installation >40', Add	37.57	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.49	
26 05 33 13-0321 EA 5" x 10" Long, Rigid Galvanized Steel (RGS) Nipple.....	190.07	47.02
For Work In Restricted Working Space, Add	28.22	
For Elevated Installation >10' To 15', Add	9.41	
For Elevated Installation >15' To 20', Add	18.81	
For Elevated Installation >20' To 25', Add	23.51	
For Elevated Installation >25' To 30', Add	32.92	
For Elevated Installation >30' To 35', Add	37.62	
For Elevated Installation >35' To 40', Add	47.03	
For Elevated Installation >40', Add	51.73	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.22	
26 05 33 13-0322 EA 6" x 10" Long, Rigid Galvanized Steel (RGS) Nipple.....	247.74	60.29
For Work In Restricted Working Space, Add	36.20	
For Elevated Installation >10' To 15', Add	12.07	
For Elevated Installation >15' To 20', Add	24.13	
For Elevated Installation >20' To 25', Add	30.17	
For Elevated Installation >25' To 30', Add	42.23	
For Elevated Installation >30' To 35', Add	48.26	
For Elevated Installation >35' To 40', Add	60.33	
For Elevated Installation >40', Add	66.36	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.20	
26 05 33 13-0323 EA 1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple.....	20.36	6.44
For Work In Restricted Working Space, Add	3.86	
For Elevated Installation >10' To 15', Add	1.29	
For Elevated Installation >15' To 20', Add	2.57	
For Elevated Installation >20' To 25', Add	3.22	
For Elevated Installation >25' To 30', Add	4.50	
For Elevated Installation >30' To 35', Add	5.15	
For Elevated Installation >35' To 40', Add	6.44	
For Elevated Installation >40', Add	7.08	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.86	
26 05 33 13-0324 EA 3/4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple.....	23.33	7.42
For Work In Restricted Working Space, Add	4.46	
For Elevated Installation >10' To 15', Add	1.49	
For Elevated Installation >15' To 20', Add	2.97	
For Elevated Installation >20' To 25', Add	3.71	
For Elevated Installation >25' To 30', Add	5.20	
For Elevated Installation >30' To 35', Add	5.94	
For Elevated Installation >35' To 40', Add	7.43	
For Elevated Installation >40', Add	8.17	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.46	
26 05 33 13-0325 EA 1" x 12" Long, Rigid Galvanized Steel (RGS) Nipple.....	30.47	9.41
For Work In Restricted Working Space, Add	5.64	
For Elevated Installation >10' To 15', Add	1.88	
For Elevated Installation >15' To 20', Add	3.76	
For Elevated Installation >20' To 25', Add	4.70	
For Elevated Installation >25' To 30', Add	6.58	
For Elevated Installation >30' To 35', Add	7.52	
For Elevated Installation >35' To 40', Add	9.41	
For Elevated Installation >40', Add	10.35	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.64	
26 05 33 13-0326 EA 1-1/4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple.....	37.39	10.89
For Work In Restricted Working Space, Add	6.53	
For Elevated Installation >10' To 15', Add	2.18	
For Elevated Installation >15' To 20', Add	4.36	
For Elevated Installation >20' To 25', Add	5.45	
For Elevated Installation >25' To 30', Add	7.62	
For Elevated Installation >30' To 35', Add	8.71	
For Elevated Installation >35' To 40', Add	10.89	
For Elevated Installation >40', Add	11.98	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.53	
26 05 33 13-0327 EA 1-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple.....	42.16	12.38
For Work In Restricted Working Space, Add	7.43	
For Elevated Installation >10' To 15', Add	2.48	
For Elevated Installation >15' To 20', Add	4.95	
For Elevated Installation >20' To 25', Add	6.19	
For Elevated Installation >25' To 30', Add	8.66	
For Elevated Installation >30' To 35', Add	9.90	
For Elevated Installation >35' To 40', Add	12.38	
For Elevated Installation >40', Add	13.61	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.43	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 05 33 13-0328	EA	2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	49.37	13.86
		<i>For Work In Restricted Working Space, Add</i>	8.32	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.77	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	5.54	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	6.93	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	9.70	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	11.09	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	13.86	
		<i>For Elevated Installation &gt;40', Add</i>	15.25	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.32	
26 05 33 13-0329	EA	2-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	73.63	16.83
		<i>For Work In Restricted Working Space, Add</i>	10.10	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.37	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	6.73	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	8.42	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	11.78	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	13.46	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	16.83	
		<i>For Elevated Installation &gt;40', Add</i>	18.51	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.10	
26 05 33 13-0330	EA	3" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	97.03	23.27
		<i>For Work In Restricted Working Space, Add</i>	13.96	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	4.65	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	9.31	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	11.63	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	16.29	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	18.61	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	23.27	
		<i>For Elevated Installation &gt;40', Add</i>	25.59	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.96	
26 05 33 13-0331	EA	3-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	109.34	26.23
		<i>For Work In Restricted Working Space, Add</i>	15.74	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.25	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	10.49	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	13.12	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	18.36	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	20.99	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	26.24	
		<i>For Elevated Installation &gt;40', Add</i>	28.86	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.74	
26 05 33 13-0332	EA	4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	135.11	34.16
		<i>For Work In Restricted Working Space, Add</i>	20.49	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	6.83	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	13.66	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	17.08	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	23.91	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	27.32	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	34.15	
		<i>For Elevated Installation &gt;40', Add</i>	37.57	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.49	
26 05 33 13-0333	EA	5" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	210.36	47.02
		<i>For Work In Restricted Working Space, Add</i>	28.22	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	9.41	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	18.81	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	23.51	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	32.92	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	37.62	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	47.03	
		<i>For Elevated Installation &gt;40', Add</i>	51.73	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.22	
26 05 33 13-0334	EA	6" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	261.86	60.29
		<i>For Work In Restricted Working Space, Add</i>	36.20	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	12.07	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	24.13	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	30.17	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	42.23	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	48.26	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	60.33	
		<i>For Elevated Installation &gt;40', Add</i>	66.36	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.20	
<b>26 05 33 13-0335</b>		<b>Rigid Galvanized Steel (RGS) Off-Set Nipples</b> <small>(26 05 33 13-0059)</small>		
26 05 33 13-0336	EA	1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple	15.78	5.14
		<i>For Work In Restricted Working Space, Add</i>	3.89	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.30	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	2.59	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	3.24	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	4.54	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	5.19	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	6.49	
		<i>For Elevated Installation &gt;40', Add</i>	7.13	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.89	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0337 EA 3/4" Rigid Galvanized Steel (RGS) Off-Set Nipple.....	19.06	5.94
For Work In Restricted Working Space, Add	4.43	
For Elevated Installation >10' To 15', Add	1.48	
For Elevated Installation >15' To 20', Add	2.95	
For Elevated Installation >20' To 25', Add	3.69	
For Elevated Installation >25' To 30', Add	5.17	
For Elevated Installation >30' To 35', Add	5.91	
For Elevated Installation >35' To 40', Add	7.39	
For Elevated Installation >40', Add	8.12	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.43	
26 05 33 13-0338 EA 1" Rigid Galvanized Steel (RGS) Off-Set Nipple.....	23.78	7.52
For Work In Restricted Working Space, Add	5.66	
For Elevated Installation >10' To 15', Add	1.89	
For Elevated Installation >15' To 20', Add	3.78	
For Elevated Installation >20' To 25', Add	4.72	
For Elevated Installation >25' To 30', Add	6.61	
For Elevated Installation >30' To 35', Add	7.55	
For Elevated Installation >35' To 40', Add	9.44	
For Elevated Installation >40', Add	10.38	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.66	
26 05 33 13-0339 EA 1-1/4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated.....	30.54	9.01
For Work In Restricted Working Space, Add	6.79	
For Elevated Installation >10' To 15', Add	2.26	
For Elevated Installation >15' To 20', Add	4.53	
For Elevated Installation >20' To 25', Add	5.66	
For Elevated Installation >25' To 30', Add	7.92	
For Elevated Installation >30' To 35', Add	9.05	
For Elevated Installation >35' To 40', Add	11.32	
For Elevated Installation >40', Add	12.45	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.79	
26 05 33 13-0340 EA 1-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated.....	33.45	9.90
For Work In Restricted Working Space, Add	7.43	
For Elevated Installation >10' To 15', Add	2.48	
For Elevated Installation >15' To 20', Add	4.95	
For Elevated Installation >20' To 25', Add	6.19	
For Elevated Installation >25' To 30', Add	8.67	
For Elevated Installation >30' To 35', Add	9.91	
For Elevated Installation >35' To 40', Add	12.39	
For Elevated Installation >40', Add	13.62	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.43	
26 05 33 13-0341 EA 2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated.....	44.30	12.17
For Work In Restricted Working Space, Add	9.15	
For Elevated Installation >10' To 15', Add	3.05	
For Elevated Installation >15' To 20', Add	6.10	
For Elevated Installation >20' To 25', Add	7.63	
For Elevated Installation >25' To 30', Add	10.68	
For Elevated Installation >30' To 35', Add	12.20	
For Elevated Installation >35' To 40', Add	15.26	
For Elevated Installation >40', Add	16.78	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.15	
26 05 33 13-0342 EA 2-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated.....	72.48	19.80
For Work In Restricted Working Space, Add	14.85	
For Elevated Installation >10' To 15', Add	4.95	
For Elevated Installation >15' To 20', Add	9.90	
For Elevated Installation >20' To 25', Add	12.38	
For Elevated Installation >25' To 30', Add	17.33	
For Elevated Installation >30' To 35', Add	19.80	
For Elevated Installation >35' To 40', Add	24.75	
For Elevated Installation >40', Add	27.23	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.85	
26 05 33 13-0343 EA 3" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated.....	120.49	27.33
For Work In Restricted Working Space, Add	20.49	
For Elevated Installation >10' To 15', Add	6.83	
For Elevated Installation >15' To 20', Add	13.66	
For Elevated Installation >20' To 25', Add	17.08	
For Elevated Installation >25' To 30', Add	23.91	
For Elevated Installation >30' To 35', Add	27.32	
For Elevated Installation >35' To 40', Add	34.16	
For Elevated Installation >40', Add	37.57	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.49	
26 05 33 13-0344 EA 3-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated.....	150.71	32.27
For Work In Restricted Working Space, Add	24.08	
For Elevated Installation >10' To 15', Add	8.03	
For Elevated Installation >15' To 20', Add	16.05	
For Elevated Installation >20' To 25', Add	20.06	
For Elevated Installation >25' To 30', Add	28.09	
For Elevated Installation >30' To 35', Add	32.10	
For Elevated Installation >35' To 40', Add	40.13	
For Elevated Installation >40', Add	44.14	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.08	
26 05 33 13-0345 EA 4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated.....	181.71	37.23
For Work In Restricted Working Space, Add	27.92	
For Elevated Installation >10' To 15', Add	9.31	
For Elevated Installation >15' To 20', Add	18.61	
For Elevated Installation >20' To 25', Add	23.27	
For Elevated Installation >25' To 30', Add	32.57	
For Elevated Installation >30' To 35', Add	37.23	
For Elevated Installation >35' To 40', Add	46.54	
For Elevated Installation >40', Add	51.19	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.92	

## 26 Electrical

## 26 05 Common Work Results for Electrical

## 26 05 33 Raceway and Boxes for Electrical Systems

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0346	<b>Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling</b> <small>(26 05 33 13-0059)</small>		
	Note: Erickson fittings.		
26 05 33 13-0347	EA 1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	41.37	15.84
	For Work In Restricted Working Space, Add	11.90	
	For Elevated Installation >10' To 15', Add	3.97	
	For Elevated Installation >15' To 20', Add	7.93	
	For Elevated Installation >20' To 25', Add	9.91	
	For Elevated Installation >25' To 30', Add	13.88	
	For Elevated Installation >30' To 35', Add	15.86	
	For Elevated Installation >35' To 40', Add	19.83	
	For Elevated Installation >40', Add	21.81	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.90	
26 05 33 13-0348	EA 3/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	46.46	17.72
	For Work In Restricted Working Space, Add	13.28	
	For Elevated Installation >10' To 15', Add	4.43	
	For Elevated Installation >15' To 20', Add	8.85	
	For Elevated Installation >20' To 25', Add	11.06	
	For Elevated Installation >25' To 30', Add	15.49	
	For Elevated Installation >30' To 35', Add	17.70	
	For Elevated Installation >35' To 40', Add	22.13	
	For Elevated Installation >40', Add	24.34	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.28	
26 05 33 13-0349	EA 1" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	53.37	19.71
	For Work In Restricted Working Space, Add	14.79	
	For Elevated Installation >10' To 15', Add	4.93	
	For Elevated Installation >15' To 20', Add	9.86	
	For Elevated Installation >20' To 25', Add	12.32	
	For Elevated Installation >25' To 30', Add	17.25	
	For Elevated Installation >30' To 35', Add	19.72	
	For Elevated Installation >35' To 40', Add	24.65	
	For Elevated Installation >40', Add	27.11	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.79	
26 05 33 13-0350	EA 1-1/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	62.63	21.58
	For Work In Restricted Working Space, Add	16.18	
	For Elevated Installation >10' To 15', Add	5.39	
	For Elevated Installation >15' To 20', Add	10.79	
	For Elevated Installation >20' To 25', Add	13.49	
	For Elevated Installation >25' To 30', Add	18.88	
	For Elevated Installation >30' To 35', Add	21.58	
	For Elevated Installation >35' To 40', Add	26.97	
	For Elevated Installation >40', Add	29.67	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.18	
26 05 33 13-0351	EA 1-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	69.44	23.57
	For Work In Restricted Working Space, Add	17.71	
	For Elevated Installation >10' To 15', Add	5.90	
	For Elevated Installation >15' To 20', Add	11.80	
	For Elevated Installation >20' To 25', Add	14.76	
	For Elevated Installation >25' To 30', Add	20.66	
	For Elevated Installation >30' To 35', Add	23.61	
	For Elevated Installation >35' To 40', Add	29.51	
	For Elevated Installation >40', Add	32.46	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.71	
26 05 33 13-0352	EA 2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	84.78	25.54
	For Work In Restricted Working Space, Add	19.17	
	For Elevated Installation >10' To 15', Add	6.39	
	For Elevated Installation >15' To 20', Add	12.78	
	For Elevated Installation >20' To 25', Add	15.98	
	For Elevated Installation >25' To 30', Add	22.37	
	For Elevated Installation >30' To 35', Add	25.56	
	For Elevated Installation >35' To 40', Add	31.96	
	For Elevated Installation >40', Add	35.15	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.17	
26 05 33 13-0353	EA 2-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	127.53	31.68
	For Work In Restricted Working Space, Add	23.76	
	For Elevated Installation >10' To 15', Add	7.92	
	For Elevated Installation >15' To 20', Add	15.84	
	For Elevated Installation >20' To 25', Add	19.80	
	For Elevated Installation >25' To 30', Add	27.72	
	For Elevated Installation >30' To 35', Add	31.68	
	For Elevated Installation >35' To 40', Add	39.60	
	For Elevated Installation >40', Add	43.56	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.76	
26 05 33 13-0354	EA 3" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	172.36	39.60
	For Work In Restricted Working Space, Add	29.70	
	For Elevated Installation >10' To 15', Add	9.90	
	For Elevated Installation >15' To 20', Add	19.80	
	For Elevated Installation >20' To 25', Add	24.75	
	For Elevated Installation >25' To 30', Add	34.65	
	For Elevated Installation >30' To 35', Add	39.60	
	For Elevated Installation >35' To 40', Add	49.50	
	For Elevated Installation >40', Add	54.45	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.70	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0355	EA			3-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson) .....	241.04	47.53
				For Work In Restricted Working Space, Add	35.66	
				For Elevated Installation >10' To 15', Add	11.89	
				For Elevated Installation >15' To 20', Add	23.77	
				For Elevated Installation >20' To 25', Add	29.71	
				For Elevated Installation >25' To 30', Add	41.60	
				For Elevated Installation >30' To 35', Add	47.54	
				For Elevated Installation >35' To 40', Add	59.43	
				For Elevated Installation >40', Add	65.37	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.66	
26 05 33 13-0356	EA			4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	272.39	51.49
				For Work In Restricted Working Space, Add	38.61	
				For Elevated Installation >10' To 15', Add	12.87	
				For Elevated Installation >15' To 20', Add	25.74	
				For Elevated Installation >20' To 25', Add	32.18	
				For Elevated Installation >25' To 30', Add	45.05	
				For Elevated Installation >30' To 35', Add	51.48	
				For Elevated Installation >35' To 40', Add	64.35	
				For Elevated Installation >40', Add	70.79	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.61	
26 05 33 13-0357	EA			5" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	453.29	63.36
				For Work In Restricted Working Space, Add	47.52	
				For Elevated Installation >10' To 15', Add	15.84	
				For Elevated Installation >15' To 20', Add	31.68	
				For Elevated Installation >20' To 25', Add	39.60	
				For Elevated Installation >25' To 30', Add	55.44	
				For Elevated Installation >30' To 35', Add	63.36	
				For Elevated Installation >35' To 40', Add	79.20	
				For Elevated Installation >40', Add	87.11	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.52	
26 05 33 13-0358	EA			6" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	576.22	73.27
				For Work In Restricted Working Space, Add	54.94	
				For Elevated Installation >10' To 15', Add	18.31	
				For Elevated Installation >15' To 20', Add	36.63	
				For Elevated Installation >20' To 25', Add	45.79	
				For Elevated Installation >25' To 30', Add	64.10	
				For Elevated Installation >30' To 35', Add	73.26	
				For Elevated Installation >35' To 40', Add	91.57	
				For Elevated Installation >40', Add	100.73	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	54.94	
<b>26 05 33 13-0359 Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connectors</b>						
<small>(26 05 33 13-0059)</small>						
26 05 33 13-0360	EA			1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector .....	27.33	7.92
				For Work In Restricted Working Space, Add	5.94	
				For Elevated Installation >10' To 15', Add	1.98	
				For Elevated Installation >15' To 20', Add	3.96	
				For Elevated Installation >20' To 25', Add	4.95	
				For Elevated Installation >25' To 30', Add	6.93	
				For Elevated Installation >30' To 35', Add	7.92	
				For Elevated Installation >35' To 40', Add	9.90	
				For Elevated Installation >40', Add	10.89	
26 05 33 13-0361	EA			3/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector .....	30.68	8.71
				For Work In Restricted Working Space, Add	6.53	
				For Elevated Installation >10' To 15', Add	2.18	
				For Elevated Installation >15' To 20', Add	4.36	
				For Elevated Installation >20' To 25', Add	5.45	
				For Elevated Installation >25' To 30', Add	7.62	
				For Elevated Installation >30' To 35', Add	8.71	
				For Elevated Installation >35' To 40', Add	10.89	
				For Elevated Installation >40', Add	11.98	
26 05 33 13-0362	EA			1" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector .....	35.35	9.90
				For Work In Restricted Working Space, Add	7.43	
				For Elevated Installation >10' To 15', Add	2.48	
				For Elevated Installation >15' To 20', Add	4.95	
				For Elevated Installation >20' To 25', Add	6.19	
				For Elevated Installation >25' To 30', Add	8.66	
				For Elevated Installation >30' To 35', Add	9.90	
				For Elevated Installation >35' To 40', Add	12.38	
				For Elevated Installation >40', Add	13.61	
26 05 33 13-0363	EA			1-1/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector .....	40.72	10.69
				For Work In Restricted Working Space, Add	8.02	
				For Elevated Installation >10' To 15', Add	2.67	
				For Elevated Installation >15' To 20', Add	5.35	
				For Elevated Installation >20' To 25', Add	6.68	
				For Elevated Installation >25' To 30', Add	9.36	
				For Elevated Installation >30' To 35', Add	10.69	
				For Elevated Installation >35' To 40', Add	13.37	
				For Elevated Installation >40', Add	14.70	
26 05 33 13-0364	EA			1-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector .....	49.20	11.88
				For Work In Restricted Working Space, Add	8.91	
				For Elevated Installation >10' To 15', Add	2.97	
				For Elevated Installation >15' To 20', Add	5.94	
				For Elevated Installation >20' To 25', Add	7.43	
				For Elevated Installation >25' To 30', Add	10.40	
				For Elevated Installation >30' To 35', Add	11.88	
				For Elevated Installation >35' To 40', Add	14.85	
				For Elevated Installation >40', Add	16.34	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 33 13-0365	EA	2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector .....	61.50	13.07
		<i>For Work In Restricted Working Space, Add</i>	9.80	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.27	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	6.53	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	8.17	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	11.43	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	13.07	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	16.34	
		<i>For Elevated Installation &gt;40', Add</i>	17.97	
26 05 33 13-0366	EA	2-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector .....	85.82	15.84
		<i>For Work In Restricted Working Space, Add</i>	11.88	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.96	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	7.92	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	9.90	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	13.86	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	15.84	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	19.80	
		<i>For Elevated Installation &gt;40', Add</i>	21.78	
26 05 33 13-0367	EA	3" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector .....	105.89	19.80
		<i>For Work In Restricted Working Space, Add</i>	14.85	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	4.95	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	9.90	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	12.38	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	17.33	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	19.80	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	24.75	
		<i>For Elevated Installation &gt;40', Add</i>	27.23	
26 05 33 13-0368	EA	3-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector .....	127.24	23.76
		<i>For Work In Restricted Working Space, Add</i>	17.82	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.94	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	11.88	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	14.85	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	20.79	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	23.76	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	29.70	
		<i>For Elevated Installation &gt;40', Add</i>	32.67	
26 05 33 13-0369	EA	4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector .....	144.91	25.74
		<i>For Work In Restricted Working Space, Add</i>	19.31	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	6.44	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	12.87	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	16.09	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	22.52	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	25.74	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	32.18	
		<i>For Elevated Installation &gt;40', Add</i>	35.39	
<b>26 05 33 13-0370</b>		<b>Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs</b> <small>(26 05 33 13-0059)</small>		
26 05 33 13-0371	EA	1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs .....	20.86	8.92
		<i>For Work In Restricted Working Space, Add</i>	5.35	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.78	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	3.56	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	4.46	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	6.24	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	7.13	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	8.91	
		<i>For Elevated Installation &gt;40', Add</i>	9.80	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.35	
26 05 33 13-0372	EA	3/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs .....	23.23	9.90
		<i>For Work In Restricted Working Space, Add</i>	5.94	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.98	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	3.96	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	4.95	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	6.93	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	7.92	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	9.90	
		<i>For Elevated Installation &gt;40', Add</i>	10.89	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.94	
26 05 33 13-0373	EA	1" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs .....	28.77	12.38
		<i>For Work In Restricted Working Space, Add</i>	7.43	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.48	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	4.95	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	6.19	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	8.66	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	9.90	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	12.38	
		<i>For Elevated Installation &gt;40', Add</i>	13.61	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.43	
26 05 33 13-0374	EA	1-1/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs .....	35.16	14.85
		<i>For Work In Restricted Working Space, Add</i>	8.91	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.97	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	5.94	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	7.43	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	10.40	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	11.88	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	14.85	
		<i>For Elevated Installation &gt;40', Add</i>	16.34	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.91	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0375	EA		1-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	45.60	19.80
				<i>For Work In Restricted Working Space, Add</i>	11.88	
				<i>For Elevated Installation &gt;10' To 15', Add</i>	3.96	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	7.92	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	9.90	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	13.86	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	15.84	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	19.80	
				<i>For Elevated Installation &gt;40', Add</i>	21.78	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.88	
26 05 33	13-0376	EA		2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	52.58	22.27
				<i>For Work In Restricted Working Space, Add</i>	13.37	
				<i>For Elevated Installation &gt;10' To 15', Add</i>	4.46	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	8.91	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	11.14	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	15.60	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	17.82	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	22.28	
				<i>For Elevated Installation &gt;40', Add</i>	24.51	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.37	
26 05 33	13-0377	EA		2-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	63.12	24.75
				<i>For Work In Restricted Working Space, Add</i>	14.85	
				<i>For Elevated Installation &gt;10' To 15', Add</i>	4.95	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	9.90	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	12.38	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	17.33	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	19.80	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	24.75	
				<i>For Elevated Installation &gt;40', Add</i>	27.23	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.85	
26 05 33	13-0378	EA		3" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	83.72	31.19
				<i>For Work In Restricted Working Space, Add</i>	18.71	
				<i>For Elevated Installation &gt;10' To 15', Add</i>	6.24	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	12.48	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	15.60	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	21.83	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	24.95	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	31.19	
				<i>For Elevated Installation &gt;40', Add</i>	34.31	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.71	
26 05 33	13-0379	EA		3-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	99.75	37.63
				<i>For Work In Restricted Working Space, Add</i>	22.57	
				<i>For Elevated Installation &gt;10' To 15', Add</i>	7.52	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	15.05	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	18.81	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	26.33	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	30.10	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	37.62	
				<i>For Elevated Installation &gt;40', Add</i>	41.38	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.57	
26 05 33	13-0380	EA		4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	121.41	44.56
				<i>For Work In Restricted Working Space, Add</i>	26.73	
				<i>For Elevated Installation &gt;10' To 15', Add</i>	8.91	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	17.82	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	22.28	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	31.19	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	35.64	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	44.55	
				<i>For Elevated Installation &gt;40', Add</i>	49.01	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.73	
26 05 33	13-0381			<b>Rigid Galvanized Steel (RGS) Expansion Fittings, 4" Conduit Movement</b> <sup>(26 05)</sup>		
				<small>33 13-0059</small>		
				<small>Note: Type AX</small>		
26 05 33	13-0382	EA		1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	110.61	15.84
				<i>For Work In Restricted Working Space, Add</i>	11.88	
				<i>For Elevated Installation &gt;10' To 15', Add</i>	3.96	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	7.92	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	9.90	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	13.86	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	15.84	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	19.81	
				<i>For Elevated Installation &gt;40', Add</i>	21.79	
26 05 33	13-0383	EA		3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	125.60	17.82
				<i>For Work In Restricted Working Space, Add</i>	13.37	
				<i>For Elevated Installation &gt;10' To 15', Add</i>	4.46	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	8.91	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	11.14	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	15.59	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	17.82	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	22.28	
				<i>For Elevated Installation &gt;40', Add</i>	24.50	
26 05 33	13-0384	EA		1" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	149.22	19.80
				<i>For Work In Restricted Working Space, Add</i>	14.85	
				<i>For Elevated Installation &gt;10' To 15', Add</i>	4.95	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	9.90	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	12.38	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	17.33	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	19.80	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	24.76	
				<i>For Elevated Installation &gt;40', Add</i>	27.23	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 33 13-0385	EA	1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement .....	183.60	21.78
		<i>For Work In Restricted Working Space, Add</i>	16.34	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.45	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	10.89	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	13.61	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	19.06	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	21.78	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	27.23	
		<i>For Elevated Installation &gt;40', Add</i>	29.95	
26 05 33 13-0386	EA	1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement .....	232.00	23.76
		<i>For Work In Restricted Working Space, Add</i>	17.82	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.94	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	11.88	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	14.85	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	20.79	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	23.76	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	29.70	
		<i>For Elevated Installation &gt;40', Add</i>	32.67	
26 05 33 13-0387	EA	2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	323.24	25.74
		<i>For Work In Restricted Working Space, Add</i>	19.30	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	6.43	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	12.87	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	16.09	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	22.52	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	25.74	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	32.17	
		<i>For Elevated Installation &gt;40', Add</i>	35.39	
26 05 33 13-0388	EA	2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement .....	497.71	31.68
		<i>For Work In Restricted Working Space, Add</i>	23.76	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	7.92	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	15.84	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	19.80	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	27.72	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	31.68	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	39.60	
		<i>For Elevated Installation &gt;40', Add</i>	43.56	
26 05 33 13-0389	EA	3" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	638.03	39.60
		<i>For Work In Restricted Working Space, Add</i>	29.70	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	9.90	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	19.80	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	24.75	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	34.65	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	39.60	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	49.50	
		<i>For Elevated Installation &gt;40', Add</i>	54.45	
26 05 33 13-0390	EA	3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement .....	935.09	47.53
		<i>For Work In Restricted Working Space, Add</i>	35.65	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	11.88	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	23.76	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	29.71	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	41.59	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	47.53	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	59.41	
		<i>For Elevated Installation &gt;40', Add</i>	65.35	
26 05 33 13-0391	EA	4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	996.51	51.49
		<i>For Work In Restricted Working Space, Add</i>	38.61	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	12.87	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	25.74	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	32.18	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	45.05	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	51.48	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	64.35	
		<i>For Elevated Installation &gt;40', Add</i>	70.79	
26 05 33 13-0392	EA	5" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	1,531.85	63.36
		<i>For Work In Restricted Working Space, Add</i>	47.52	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	15.84	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	31.68	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	39.60	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	55.44	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	63.36	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	79.21	
		<i>For Elevated Installation &gt;40', Add</i>	87.13	
26 05 33 13-0393	EA	6" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	1,884.42	70.29
		<i>For Work In Restricted Working Space, Add</i>	52.75	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	17.58	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	35.17	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	43.96	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	61.54	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	70.33	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	87.92	
		<i>For Elevated Installation &gt;40', Add</i>	96.71	

26 05 33 13-0394 Rigid Galvanized Steel (RGS) Expansion Fittings, 8" Conduit Movement (26 05

33 13-0059)  
Note: Type AX-8

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0395	EA			1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	122.47	15.84
				<i>For Work In Restricted Working Space, Add</i>	11.88	
				<i>For Elevated Installation &gt;10' To 15', Add</i>	3.96	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	7.92	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	9.90	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	13.86	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	15.84	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	19.81	
				<i>For Elevated Installation &gt;40', Add</i>	21.79	
26 05 33 13-0396	EA			3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	136.11	17.82
				<i>For Work In Restricted Working Space, Add</i>	13.37	
				<i>For Elevated Installation &gt;10' To 15', Add</i>	4.46	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	8.91	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	11.14	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	15.59	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	17.82	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	22.28	
				<i>For Elevated Installation &gt;40', Add</i>	24.50	
26 05 33 13-0397	EA			1" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement .....	165.72	19.80
				<i>For Work In Restricted Working Space, Add</i>	14.85	
				<i>For Elevated Installation &gt;10' To 15', Add</i>	4.95	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	9.90	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	12.38	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	17.33	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	19.80	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	24.76	
				<i>For Elevated Installation &gt;40', Add</i>	27.23	
26 05 33 13-0398	EA			1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement .....	209.59	21.78
				<i>For Work In Restricted Working Space, Add</i>	16.34	
				<i>For Elevated Installation &gt;10' To 15', Add</i>	5.45	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	10.89	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	13.61	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	19.06	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	21.78	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	27.23	
				<i>For Elevated Installation &gt;40', Add</i>	29.95	
26 05 33 13-0399	EA			1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement .....	283.64	23.76
				<i>For Work In Restricted Working Space, Add</i>	17.82	
				<i>For Elevated Installation &gt;10' To 15', Add</i>	5.94	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	11.88	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	14.85	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	20.79	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	23.76	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	29.70	
				<i>For Elevated Installation &gt;40', Add</i>	32.67	
26 05 33 13-0400	EA			2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement .....	347.91	25.74
				<i>For Work In Restricted Working Space, Add</i>	19.30	
				<i>For Elevated Installation &gt;10' To 15', Add</i>	6.43	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	12.87	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	16.09	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	22.52	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	25.74	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	32.17	
				<i>For Elevated Installation &gt;40', Add</i>	35.39	
26 05 33 13-0401	EA			2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement .....	657.67	31.68
				<i>For Work In Restricted Working Space, Add</i>	23.76	
				<i>For Elevated Installation &gt;10' To 15', Add</i>	7.92	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	15.84	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	19.80	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	27.72	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	31.68	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	39.60	
				<i>For Elevated Installation &gt;40', Add</i>	43.56	
26 05 33 13-0402	EA			3" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement .....	747.26	39.60
				<i>For Work In Restricted Working Space, Add</i>	29.70	
				<i>For Elevated Installation &gt;10' To 15', Add</i>	9.90	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	19.80	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	24.75	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	34.65	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	39.60	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	49.50	
				<i>For Elevated Installation &gt;40', Add</i>	54.45	
26 05 33 13-0403	EA			3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement .....	1,150.94	47.53
				<i>For Work In Restricted Working Space, Add</i>	35.65	
				<i>For Elevated Installation &gt;10' To 15', Add</i>	11.88	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	23.76	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	29.71	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	41.59	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	47.53	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	59.41	
				<i>For Elevated Installation &gt;40', Add</i>	65.35	
26 05 33 13-0404	EA			4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement .....	1,246.00	51.49
				<i>For Work In Restricted Working Space, Add</i>	38.61	
				<i>For Elevated Installation &gt;10' To 15', Add</i>	12.87	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	25.74	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	32.18	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	45.05	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	51.48	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	64.35	
				<i>For Elevated Installation &gt;40', Add</i>	70.79	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 05 33 13-0405	EA	5" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	1,742.15	63.36
		<i>For Work In Restricted Working Space, Add</i>	47.52	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	15.84	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	31.68	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	39.60	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	55.44	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	63.36	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	79.21	
		<i>For Elevated Installation &gt;40', Add</i>	87.13	
26 05 33 13-0406	EA	6" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	2,154.99	70.29
		<i>For Work In Restricted Working Space, Add</i>	52.75	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	17.58	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	35.17	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	43.96	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	61.54	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	70.33	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	87.92	
		<i>For Elevated Installation &gt;40', Add</i>	96.71	

**26 05 33 13-0407 Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fittings, 8" Conduit Movement**

(26 05 33 13-0059)

Note: Type EX

26 05 33 13-0408	EA	1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	139.85	15.84
		<i>For Work In Restricted Working Space, Add</i>	11.88	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.96	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	7.92	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	9.90	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	13.86	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	15.84	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	19.81	
		<i>For Elevated Installation &gt;40', Add</i>	21.79	
26 05 33 13-0409	EA	3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	177.07	17.82
		<i>For Work In Restricted Working Space, Add</i>	13.37	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	4.46	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	8.91	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	11.14	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	15.59	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	17.82	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	22.28	
		<i>For Elevated Installation &gt;40', Add</i>	24.50	
26 05 33 13-0410	EA	1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	221.05	19.80
		<i>For Work In Restricted Working Space, Add</i>	14.85	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	4.95	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	9.90	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	12.38	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	17.33	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	19.80	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	24.76	
		<i>For Elevated Installation &gt;40', Add</i>	27.23	
26 05 33 13-0411	EA	1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	269.50	21.78
		<i>For Work In Restricted Working Space, Add</i>	16.34	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.45	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	10.89	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	13.61	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	19.06	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	21.78	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	27.23	
		<i>For Elevated Installation &gt;40', Add</i>	29.95	
26 05 33 13-0412	EA	1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	364.76	23.76
		<i>For Work In Restricted Working Space, Add</i>	17.82	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.94	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	11.88	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	14.85	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	20.79	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	23.76	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	29.70	
		<i>For Elevated Installation &gt;40', Add</i>	32.67	
26 05 33 13-0413	EA	2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	504.67	25.74
		<i>For Work In Restricted Working Space, Add</i>	19.30	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	6.43	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	12.87	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	16.09	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	22.52	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	25.74	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	32.17	
		<i>For Elevated Installation &gt;40', Add</i>	35.39	
26 05 33 13-0414	EA	2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	786.74	31.68
		<i>For Work In Restricted Working Space, Add</i>	23.76	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	7.92	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	15.84	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	19.80	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	27.72	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	31.68	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	39.60	
		<i>For Elevated Installation &gt;40', Add</i>	43.56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-0415	EA 3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	1,061.49	39.60
	<i>For Work In Restricted Working Space, Add</i>	29.70	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	9.90	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	19.80	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	24.75	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	34.65	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	39.60	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	49.50	
	<i>For Elevated Installation &gt;40', Add</i>	54.45	
26 05 33 13-0416	EA 3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	1,597.89	47.53
	<i>For Work In Restricted Working Space, Add</i>	35.65	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	11.88	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	23.76	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	29.71	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	41.59	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	47.53	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	59.41	
	<i>For Elevated Installation &gt;40', Add</i>	65.35	
26 05 33 13-0417	EA 4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	1,653.10	51.49
	<i>For Work In Restricted Working Space, Add</i>	38.61	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	12.87	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	25.74	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	32.18	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	45.05	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	51.48	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	64.35	
	<i>For Elevated Installation &gt;40', Add</i>	70.79	
26 05 33 13-0418	EA 5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	2,492.58	63.36
	<i>For Work In Restricted Working Space, Add</i>	47.52	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	15.84	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	31.68	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	39.60	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	55.44	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	63.36	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	79.21	
	<i>For Elevated Installation &gt;40', Add</i>	87.13	
26 05 33 13-0419	EA 6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	3,092.79	70.29
	<i>For Work In Restricted Working Space, Add</i>	52.75	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	17.58	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	35.17	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	43.96	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	61.54	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	70.33	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	87.92	
	<i>For Elevated Installation &gt;40', Add</i>	96.71	

**26 05 33 13-0420 Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fittings** (26 05 33 13-0059)

Note: Type DX

26 05 33 13-0421	EA 1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	246.97	15.84
	<i>For Work In Restricted Working Space, Add</i>	11.88	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	3.96	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	7.92	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	9.90	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	13.86	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	15.84	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	19.81	
	<i>For Elevated Installation &gt;40', Add</i>	21.79	
26 05 33 13-0422	EA 3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	294.54	17.82
	<i>For Work In Restricted Working Space, Add</i>	13.37	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	4.46	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	8.91	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	11.14	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	15.59	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	17.82	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	22.28	
	<i>For Elevated Installation &gt;40', Add</i>	24.50	
26 05 33 13-0423	EA 1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	356.61	19.80
	<i>For Work In Restricted Working Space, Add</i>	14.85	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	4.95	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	9.90	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	12.38	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	17.33	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	19.80	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	24.76	
	<i>For Elevated Installation &gt;40', Add</i>	27.23	
26 05 33 13-0424	EA 1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	419.71	21.78
	<i>For Work In Restricted Working Space, Add</i>	16.34	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	5.45	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	10.89	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	13.61	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	19.06	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	21.78	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	27.23	
	<i>For Elevated Installation &gt;40', Add</i>	29.95	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0425	EA		1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	464.24	23.76
			<i>For Work In Restricted Working Space, Add</i>	17.82	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.94	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.88	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	14.85	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	20.79	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	23.76	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	29.70	
			<i>For Elevated Installation &gt;40', Add</i>	32.67	
26 05 33 13-0426	EA		2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	574.92	25.74
			<i>For Work In Restricted Working Space, Add</i>	19.30	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.43	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	12.87	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	16.09	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	22.52	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	25.74	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	32.17	
			<i>For Elevated Installation &gt;40', Add</i>	35.39	
26 05 33 13-0427	EA		2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	760.65	31.68
			<i>For Work In Restricted Working Space, Add</i>	23.76	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.92	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	15.84	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	19.80	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	27.72	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	31.68	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	39.60	
			<i>For Elevated Installation &gt;40', Add</i>	43.56	
26 05 33 13-0428	EA		3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	964.84	39.60
			<i>For Work In Restricted Working Space, Add</i>	29.70	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	9.90	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	19.80	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	24.75	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	34.65	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	39.60	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	49.50	
			<i>For Elevated Installation &gt;40', Add</i>	54.45	
26 05 33 13-0429	EA		3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	1,084.68	47.53
			<i>For Work In Restricted Working Space, Add</i>	35.65	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	11.88	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	23.76	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	29.71	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	41.59	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	47.53	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	59.41	
			<i>For Elevated Installation &gt;40', Add</i>	65.35	
26 05 33 13-0430	EA		4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	1,317.30	51.49
			<i>For Work In Restricted Working Space, Add</i>	38.61	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	12.87	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	25.74	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	32.18	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	45.05	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	51.48	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	64.35	
			<i>For Elevated Installation &gt;40', Add</i>	70.79	
26 05 33 13-0431	EA		5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	2,261.02	63.36
			<i>For Work In Restricted Working Space, Add</i>	47.52	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	15.84	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	31.68	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	39.60	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	55.44	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	63.36	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	79.21	
			<i>For Elevated Installation &gt;40', Add</i>	87.13	
26 05 33 13-0432	EA		6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	3,604.89	70.29
			<i>For Work In Restricted Working Space, Add</i>	52.75	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	17.58	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	35.17	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	43.96	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	61.54	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	70.33	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	87.92	
			<i>For Elevated Installation &gt;40', Add</i>	96.71	
26 05 33 13-0433			<b>Rigid Galvanized Steel (RGS) Conduit Bonding Jumpers</b> <small>(26 05 33 13-0059)</small>		
26 05 33 13-0434	EA		1/2" To 3/4" Conduit, 14" Bonding Jumper.....	62.56	7.92
			<i>For Work In Restricted Working Space, Add</i>	5.94	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.98	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.96	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.95	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	6.93	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	7.92	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	9.91	
			<i>For Elevated Installation &gt;40', Add</i>	10.90	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0435	EA	1"	To 1-1/4" Conduit, 14" Bonding Jumper ..... 71.82	71.82	9.90
			For Work In Restricted Working Space, Add	7.43	
			For Elevated Installation >10' To 15', Add	2.48	
			For Elevated Installation >15' To 20', Add	4.95	
			For Elevated Installation >20' To 25', Add	6.19	
			For Elevated Installation >25' To 30', Add	8.66	
			For Elevated Installation >30' To 35', Add	9.90	
			For Elevated Installation >35' To 40', Add	12.38	
			For Elevated Installation >40', Add	13.61	
26 05 33 13-0436	EA	1-1/2"	To 2" Conduit, 14" Bonding Jumper ..... 88.65	88.65	11.88
			For Work In Restricted Working Space, Add	8.91	
			For Elevated Installation >10' To 15', Add	2.97	
			For Elevated Installation >15' To 20', Add	5.94	
			For Elevated Installation >20' To 25', Add	7.43	
			For Elevated Installation >25' To 30', Add	10.40	
			For Elevated Installation >30' To 35', Add	11.88	
			For Elevated Installation >35' To 40', Add	14.85	
			For Elevated Installation >40', Add	16.34	
26 05 33 13-0437	EA	2-1/2"	To 3" Conduit, 14" Bonding Jumper ..... 124.79	124.79	15.84
			For Work In Restricted Working Space, Add	11.88	
			For Elevated Installation >10' To 15', Add	3.96	
			For Elevated Installation >15' To 20', Add	7.92	
			For Elevated Installation >20' To 25', Add	9.90	
			For Elevated Installation >25' To 30', Add	13.86	
			For Elevated Installation >30' To 35', Add	15.84	
			For Elevated Installation >35' To 40', Add	19.80	
			For Elevated Installation >40', Add	21.78	
26 05 33 13-0438	EA	3-1/2"	To 4" Conduit, 14" Bonding Jumper ..... 189.14	189.14	23.76
			For Work In Restricted Working Space, Add	17.82	
			For Elevated Installation >10' To 15', Add	5.94	
			For Elevated Installation >15' To 20', Add	11.88	
			For Elevated Installation >20' To 25', Add	14.85	
			For Elevated Installation >25' To 30', Add	20.79	
			For Elevated Installation >30' To 35', Add	23.76	
			For Elevated Installation >35' To 40', Add	29.71	
			For Elevated Installation >40', Add	32.68	
26 05 33 13-0439	EA	5"	To 6" Conduit, 14" Bonding Jumper ..... 325.68	325.68	31.68
			For Work In Restricted Working Space, Add	23.76	
			For Elevated Installation >10' To 15', Add	7.92	
			For Elevated Installation >15' To 20', Add	15.84	
			For Elevated Installation >20' To 25', Add	19.80	
			For Elevated Installation >25' To 30', Add	27.72	
			For Elevated Installation >30' To 35', Add	31.68	
			For Elevated Installation >35' To 40', Add	39.60	
			For Elevated Installation >40', Add	43.56	
26 05 33 13-0440	EA	1 1/2"	To 3/4" Conduit, 24" Bonding Jumper ..... 69.88	69.88	7.92
			For Work In Restricted Working Space, Add	5.94	
			For Elevated Installation >10' To 15', Add	1.98	
			For Elevated Installation >15' To 20', Add	3.96	
			For Elevated Installation >20' To 25', Add	4.95	
			For Elevated Installation >25' To 30', Add	6.93	
			For Elevated Installation >30' To 35', Add	7.92	
			For Elevated Installation >35' To 40', Add	9.91	
			For Elevated Installation >40', Add	10.90	
26 05 33 13-0441	EA	1"	To 1-1/4" Conduit, 24" Bonding Jumper ..... 81.07	81.07	9.90
			For Work In Restricted Working Space, Add	7.43	
			For Elevated Installation >10' To 15', Add	2.48	
			For Elevated Installation >15' To 20', Add	4.95	
			For Elevated Installation >20' To 25', Add	6.19	
			For Elevated Installation >25' To 30', Add	8.66	
			For Elevated Installation >30' To 35', Add	9.90	
			For Elevated Installation >35' To 40', Add	12.38	
			For Elevated Installation >40', Add	13.61	
26 05 33 13-0442	EA	1-1/2"	To 2" Conduit, 24" Bonding Jumper ..... 97.12	97.12	11.88
			For Work In Restricted Working Space, Add	8.91	
			For Elevated Installation >10' To 15', Add	2.97	
			For Elevated Installation >15' To 20', Add	5.94	
			For Elevated Installation >20' To 25', Add	7.43	
			For Elevated Installation >25' To 30', Add	10.40	
			For Elevated Installation >30' To 35', Add	11.88	
			For Elevated Installation >35' To 40', Add	14.85	
			For Elevated Installation >40', Add	16.34	
26 05 33 13-0443	EA	2-1/2"	To 3" Conduit, 24" Bonding Jumper ..... 136.04	136.04	15.84
			For Work In Restricted Working Space, Add	11.88	
			For Elevated Installation >10' To 15', Add	3.96	
			For Elevated Installation >15' To 20', Add	7.92	
			For Elevated Installation >20' To 25', Add	9.90	
			For Elevated Installation >25' To 30', Add	13.86	
			For Elevated Installation >30' To 35', Add	15.84	
			For Elevated Installation >35' To 40', Add	19.80	
			For Elevated Installation >40', Add	21.78	
26 05 33 13-0444	EA	3-1/2"	To 4" Conduit, 24" Bonding Jumper ..... 204.07	204.07	23.76
			For Work In Restricted Working Space, Add	17.82	
			For Elevated Installation >10' To 15', Add	5.94	
			For Elevated Installation >15' To 20', Add	11.88	
			For Elevated Installation >20' To 25', Add	14.85	
			For Elevated Installation >25' To 30', Add	20.79	
			For Elevated Installation >30' To 35', Add	23.76	
			For Elevated Installation >35' To 40', Add	29.71	
			For Elevated Installation >40', Add	32.68	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 33 13-0445	EA	5" To 6" Conduit, 24" Bonding Jumper.....	373.82	31.68
		<i>For Work In Restricted Working Space, Add</i>	23.76	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	7.92	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	15.84	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	19.80	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	27.72	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	31.68	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	39.60	
		<i>For Elevated Installation &gt;40', Add</i>	43.56	

**26 05 33 13-0446 Rigid Galvanized Steel (RGS) Sealing Fittings, Vertical/Horizontal** (26 05 33 13-0059)

26 05 33 13-0447	EA	1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	101.71	24.75
		<i>For Work In Restricted Working Space, Add</i>	14.85	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	4.95	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	9.90	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	12.38	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	17.33	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	19.80	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	24.75	
		<i>For Elevated Installation &gt;40', Add</i>	27.23	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.85	
26 05 33 13-0448	EA	3/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	120.72	29.70
		<i>For Work In Restricted Working Space, Add</i>	17.82	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.94	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	11.88	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	14.85	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	20.79	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	23.76	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	29.70	
		<i>For Elevated Installation &gt;40', Add</i>	32.67	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.82	
26 05 33 13-0449	EA	1" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	148.11	34.65
		<i>For Work In Restricted Working Space, Add</i>	20.79	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	6.93	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	13.86	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	17.33	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	24.26	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	27.72	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	34.66	
		<i>For Elevated Installation &gt;40', Add</i>	38.12	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79	
26 05 33 13-0450	EA	1-1/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal .....	174.90	39.60
		<i>For Work In Restricted Working Space, Add</i>	23.76	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	7.92	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	15.84	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	19.80	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	27.72	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	31.68	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	39.60	
		<i>For Elevated Installation &gt;40', Add</i>	43.56	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.76	
26 05 33 13-0451	EA	1-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal .....	233.18	44.56
		<i>For Work In Restricted Working Space, Add</i>	26.73	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	8.91	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	17.82	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	22.28	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	31.19	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	35.64	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	44.55	
		<i>For Elevated Installation &gt;40', Add</i>	49.01	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.73	
26 05 33 13-0452	EA	2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	285.67	49.50
		<i>For Work In Restricted Working Space, Add</i>	29.70	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	9.90	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	19.80	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	24.75	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	34.65	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	39.60	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	49.50	
		<i>For Elevated Installation &gt;40', Add</i>	54.45	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.70	
26 05 33 13-0453	EA	2-1/2" Rigid Galvanized Steel (RGS) Conduit Sealing Fitting, Vertical/Horizontal .....	408.84	59.40
		<i>For Work In Restricted Working Space, Add</i>	35.64	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	11.88	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	23.76	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	29.70	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	41.58	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	47.52	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	59.41	
		<i>For Elevated Installation &gt;40', Add</i>	65.35	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.64	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-0454	EA 3" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	492.88	69.31
	For Work In Restricted Working Space, Add	41.58	
	For Elevated Installation >10' To 15', Add	13.86	
	For Elevated Installation >15' To 20', Add	27.72	
	For Elevated Installation >20' To 25', Add	34.65	
	For Elevated Installation >25' To 30', Add	48.51	
	For Elevated Installation >30' To 35', Add	55.44	
	For Elevated Installation >35' To 40', Add	69.30	
	For Elevated Installation >40', Add	76.23	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	41.58	
26 05 33 13-0455	EA 3-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal .....	1,180.18	79.20
	For Work In Restricted Working Space, Add	47.52	
	For Elevated Installation >10' To 15', Add	15.84	
	For Elevated Installation >15' To 20', Add	31.68	
	For Elevated Installation >20' To 25', Add	39.60	
	For Elevated Installation >25' To 30', Add	55.44	
	For Elevated Installation >30' To 35', Add	63.36	
	For Elevated Installation >35' To 40', Add	79.21	
	For Elevated Installation >40', Add	87.13	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.52	
26 05 33 13-0456	EA 4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	1,360.75	89.10
	For Work In Restricted Working Space, Add	53.46	
	For Elevated Installation >10' To 15', Add	17.82	
	For Elevated Installation >15' To 20', Add	35.64	
	For Elevated Installation >20' To 25', Add	44.55	
	For Elevated Installation >25' To 30', Add	62.37	
	For Elevated Installation >30' To 35', Add	71.28	
	For Elevated Installation >35' To 40', Add	89.11	
	For Elevated Installation >40', Add	98.02	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	53.46	

**26 05 33 13-0457 Rigid Galvanized Steel (RGS) Threaded Couplings** (26 05 33 13-0059)

26 05 33 13-0458	EA 1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	12.78	5.94
	For Work In Restricted Working Space, Add	3.56	
	For Elevated Installation >10' To 15', Add	1.19	
	For Elevated Installation >15' To 20', Add	2.38	
	For Elevated Installation >20' To 25', Add	2.97	
	For Elevated Installation >25' To 30', Add	4.16	
	For Elevated Installation >30' To 35', Add	4.75	
	For Elevated Installation >35' To 40', Add	5.94	
	For Elevated Installation >40', Add	6.53	
26 05 33 13-0459	EA 3/4" Rigid Galvanized Steel (RGS) Threaded Coupling.....	17.96	8.41
	For Work In Restricted Working Space, Add	5.05	
	For Elevated Installation >10' To 15', Add	1.68	
	For Elevated Installation >15' To 20', Add	3.37	
	For Elevated Installation >20' To 25', Add	4.21	
	For Elevated Installation >25' To 30', Add	5.89	
	For Elevated Installation >30' To 35', Add	6.73	
	For Elevated Installation >35' To 40', Add	8.42	
	For Elevated Installation >40', Add	9.26	
26 05 33 13-0460	EA 1" Rigid Galvanized Steel (RGS) Threaded Coupling.....	23.50	10.89
	For Work In Restricted Working Space, Add	6.53	
	For Elevated Installation >10' To 15', Add	2.18	
	For Elevated Installation >15' To 20', Add	4.36	
	For Elevated Installation >20' To 25', Add	5.45	
	For Elevated Installation >25' To 30', Add	7.62	
	For Elevated Installation >30' To 35', Add	8.71	
	For Elevated Installation >35' To 40', Add	10.89	
	For Elevated Installation >40', Add	11.98	
26 05 33 13-0461	EA 1-1/4" Rigid Galvanized Steel (RGS) Threaded Coupling.....	26.93	12.38
	For Work In Restricted Working Space, Add	7.43	
	For Elevated Installation >10' To 15', Add	2.48	
	For Elevated Installation >15' To 20', Add	4.95	
	For Elevated Installation >20' To 25', Add	6.19	
	For Elevated Installation >25' To 30', Add	8.66	
	For Elevated Installation >30' To 35', Add	9.90	
	For Elevated Installation >35' To 40', Add	12.38	
	For Elevated Installation >40', Add	13.61	
26 05 33 13-0462	EA 1-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	32.42	14.85
	For Work In Restricted Working Space, Add	8.91	
	For Elevated Installation >10' To 15', Add	2.97	
	For Elevated Installation >15' To 20', Add	5.94	
	For Elevated Installation >20' To 25', Add	7.43	
	For Elevated Installation >25' To 30', Add	10.40	
	For Elevated Installation >30' To 35', Add	11.88	
	For Elevated Installation >35' To 40', Add	14.85	
	For Elevated Installation >40', Add	16.34	
26 05 33 13-0463	EA 2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	37.73	16.83
	For Work In Restricted Working Space, Add	10.10	
	For Elevated Installation >10' To 15', Add	3.37	
	For Elevated Installation >15' To 20', Add	6.73	
	For Elevated Installation >20' To 25', Add	8.42	
	For Elevated Installation >25' To 30', Add	11.78	
	For Elevated Installation >30' To 35', Add	13.47	
	For Elevated Installation >35' To 40', Add	16.84	
	For Elevated Installation >40', Add	18.52	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 05 33 13-0464	EA	2-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	46.75	18.81
		<i>For Work In Restricted Working Space, Add</i>	11.29	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.76	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	7.53	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	9.41	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	13.17	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	15.05	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	18.82	
		<i>For Elevated Installation &gt;40', Add</i>	20.70	
26 05 33 13-0465	EA	3" Rigid Galvanized Steel (RGS) Threaded Coupling.....	54.42	21.29
		<i>For Work In Restricted Working Space, Add</i>	12.77	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	4.26	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	8.51	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	10.64	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	14.90	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	17.03	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	21.29	
		<i>For Elevated Installation &gt;40', Add</i>	23.41	
26 05 33 13-0466	EA	3-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	62.54	23.27
		<i>For Work In Restricted Working Space, Add</i>	13.96	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	4.65	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	9.31	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	11.63	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	16.29	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	18.61	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	23.27	
		<i>For Elevated Installation &gt;40', Add</i>	25.59	
26 05 33 13-0467	EA	4" Threaded Rigid Galvanized Steel (RGS) Coupling.....	66.18	24.75
		<i>For Work In Restricted Working Space, Add</i>	14.85	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	4.95	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	9.90	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	12.38	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	17.33	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	19.80	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	24.75	
		<i>For Elevated Installation &gt;40', Add</i>	27.23	
26 05 33 13-0468		<b>Rigid Galvanized Steel (RGS) Sealing Locknut</b> <small>(26 05 33 13-0059)</small>		
26 05 33 13-0469	EA	1/2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	2.78	0.99
26 05 33 13-0470	EA	3/4" Rigid Galvanized Steel (RGS) Sealing Locknut.....	3.89	1.48
26 05 33 13-0471	EA	1" Rigid Galvanized Steel (RGS) Sealing Locknut.....	6.47	2.48
26 05 33 13-0472	EA	1-1/4" Rigid Galvanized Steel (RGS) Sealing Locknut.....	9.30	3.47
26 05 33 13-0473	EA	1-1/2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	11.05	3.96
26 05 33 13-0474	EA	2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	12.90	4.45
26 05 33 13-0475		<b>Rigid Galvanized Steel (RGS) Fire Stop Fittings</b> <small>(26 05 33 13-0059)</small>		
26 05 33 13-0476	EA	1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	238.04	12.02
		<i>For Work In Restricted Working Space, Add</i>	9.01	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.00	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	6.01	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	7.51	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	10.51	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	12.02	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	15.02	
		<i>For Elevated Installation &gt;40', Add</i>	16.52	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.01	
26 05 33 13-0477	EA	3/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	240.93	13.17
		<i>For Work In Restricted Working Space, Add</i>	9.88	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.29	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	6.59	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	8.23	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	11.53	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	13.17	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	16.47	
		<i>For Elevated Installation &gt;40', Add</i>	18.11	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.88	
26 05 33 13-0478	EA	1" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	290.64	14.45
		<i>For Work In Restricted Working Space, Add</i>	10.82	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.61	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	7.21	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	9.02	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	12.62	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	14.43	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	18.04	
		<i>For Elevated Installation &gt;40', Add</i>	19.84	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.82	
26 05 33 13-0479	EA	1-1/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	319.04	15.84
		<i>For Work In Restricted Working Space, Add</i>	11.89	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.96	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	7.93	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	9.91	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	13.87	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	15.85	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	19.82	
		<i>For Elevated Installation &gt;40', Add</i>	21.80	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.89	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-0480 EA 1-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	364.33 13.37 4.46 8.91 11.14 15.60 17.82 22.28 24.51 13.37	17.82
26 05 33 13-0481 EA 2" Rigid Galvanized Steel (RGS) Fire Stop Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	546.25 14.86 4.95 9.91 12.38 17.34 19.81 24.77 27.24 14.86	19.80
26 05 33 13-0482 EA 2-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	624.85 19.81 6.60 13.21 16.51 23.11 26.42 33.02 36.32 19.81	26.44
26 05 33 13-0483 EA 3" Rigid Galvanized Steel (RGS) Fire Stop Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	693.47 21.77 7.26 14.51 18.14 25.40 29.03 36.29 39.91 21.77	29.01
26 05 33 13-0484 EA 3-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	808.77 23.76 7.92 15.84 19.80 27.72 31.68 39.61 43.57 23.76	31.68
26 05 33 13-0485 EA 4" Rigid Galvanized Steel (RGS) Fire Stop Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	911.80 26.73 8.91 17.82 22.28 31.19 35.64 44.55 49.01 26.73	35.64
26 05 33 13-0486 EA 5" Rigid Galvanized Steel (RGS) Fire Stop Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,232.15 29.70 9.90 19.80 24.75 34.65 39.60 49.50 54.45 29.70	39.60
26 05 33 13-0487 EA 6" Rigid Galvanized Steel (RGS) Fire Stop Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,537.97 32.97 10.99 21.98 27.47 38.46 43.96 54.95 60.44 32.97	43.95

26 05 33 13-0488 Rigid Galvanized Steel (RGS) Reducing Bushings (26 05 33 13-0059)

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 05 33 13-0489	EA	3/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing .....	15.96		7.67
		<i>For Work In Restricted Working Space, Add</i>	4.60		
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.53		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	3.07		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	3.84		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	5.37		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	6.14		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	7.67		
		<i>For Elevated Installation &gt;40', Add</i>	8.44		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.60		
26 05 33 13-0490	EA	1" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing .....	17.47		8.16
		<i>For Work In Restricted Working Space, Add</i>	4.90		
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.63		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	3.27		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	4.09		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	5.72		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	6.54		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	8.17		
		<i>For Elevated Installation &gt;40', Add</i>	8.99		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.90		
26 05 33 13-0491	EA	1" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing .....	17.96		8.41
		<i>For Work In Restricted Working Space, Add</i>	5.05		
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.68		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	3.37		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	4.21		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	5.89		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	6.73		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	8.42		
		<i>For Elevated Installation &gt;40', Add</i>	9.26		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.05		
26 05 33 13-0492	EA	1-1/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing .....	20.27		8.66
		<i>For Work In Restricted Working Space, Add</i>	5.20		
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.73		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	3.47		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	4.33		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	6.07		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	6.93		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	8.67		
		<i>For Elevated Installation &gt;40', Add</i>	9.53		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.20		
26 05 33 13-0493	EA	1-1/4" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing .....	20.76		8.92
		<i>For Work In Restricted Working Space, Add</i>	5.35		
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.78		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	3.56		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	4.46		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	6.24		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	7.13		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	8.91		
		<i>For Elevated Installation &gt;40', Add</i>	9.80		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.35		
26 05 33 13-0494	EA	1-1/4" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing .....	21.75		9.41
		<i>For Work In Restricted Working Space, Add</i>	5.64		
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.88		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	3.76		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	4.70		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	6.58		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	7.52		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	9.41		
		<i>For Elevated Installation &gt;40', Add</i>	10.35		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64		
26 05 33 13-0495	EA	1-1/2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing .....	23.36		9.90
		<i>For Work In Restricted Working Space, Add</i>	5.94		
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.98		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	3.96		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	4.95		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	6.93		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	7.92		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	9.90		
		<i>For Elevated Installation &gt;40', Add</i>	10.89		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.94		
26 05 33 13-0496	EA	1-1/2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing .....	23.86		10.15
		<i>For Work In Restricted Working Space, Add</i>	6.09		
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.03		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	4.06		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	5.08		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	7.11		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	8.12		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	10.15		
		<i>For Elevated Installation &gt;40', Add</i>	11.17		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.09		
26 05 33 13-0497	EA	1-1/2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing .....	24.85		10.64
		<i>For Work In Restricted Working Space, Add</i>	6.39		
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.13		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	4.26		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	5.32		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	7.45		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	8.52		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	10.65		
		<i>For Elevated Installation &gt;40', Add</i>	11.71		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.39		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0498 EA 1-1/2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing.....	25.83	11.14
For Work In Restricted Working Space, Add	6.68	
For Elevated Installation >10' To 15', Add	2.23	
For Elevated Installation >15' To 20', Add	4.45	
For Elevated Installation >20' To 25', Add	5.57	
For Elevated Installation >25' To 30', Add	7.79	
For Elevated Installation >30' To 35', Add	8.91	
For Elevated Installation >35' To 40', Add	11.14	
For Elevated Installation >40', Add	12.25	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.68	
26 05 33 13-0499 EA 2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing .....	30.08	11.14
For Work In Restricted Working Space, Add	6.68	
For Elevated Installation >10' To 15', Add	2.23	
For Elevated Installation >15' To 20', Add	4.45	
For Elevated Installation >20' To 25', Add	5.57	
For Elevated Installation >25' To 30', Add	7.79	
For Elevated Installation >30' To 35', Add	8.91	
For Elevated Installation >35' To 40', Add	11.14	
For Elevated Installation >40', Add	12.25	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.68	
26 05 33 13-0500 EA 2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing .....	30.58	11.38
For Work In Restricted Working Space, Add	6.83	
For Elevated Installation >10' To 15', Add	2.28	
For Elevated Installation >15' To 20', Add	4.55	
For Elevated Installation >20' To 25', Add	5.69	
For Elevated Installation >25' To 30', Add	7.97	
For Elevated Installation >30' To 35', Add	9.11	
For Elevated Installation >35' To 40', Add	11.39	
For Elevated Installation >40', Add	12.52	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.83	
26 05 33 13-0501 EA 2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing .....	31.57	11.88
For Work In Restricted Working Space, Add	7.13	
For Elevated Installation >10' To 15', Add	2.38	
For Elevated Installation >15' To 20', Add	4.75	
For Elevated Installation >20' To 25', Add	5.94	
For Elevated Installation >25' To 30', Add	8.32	
For Elevated Installation >30' To 35', Add	9.50	
For Elevated Installation >35' To 40', Add	11.88	
For Elevated Installation >40', Add	13.07	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.13	
26 05 33 13-0502 EA 2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing.....	32.56	12.38
For Work In Restricted Working Space, Add	7.43	
For Elevated Installation >10' To 15', Add	2.48	
For Elevated Installation >15' To 20', Add	4.95	
For Elevated Installation >20' To 25', Add	6.19	
For Elevated Installation >25' To 30', Add	8.66	
For Elevated Installation >30' To 35', Add	9.90	
For Elevated Installation >35' To 40', Add	12.38	
For Elevated Installation >40', Add	13.61	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.43	
26 05 33 13-0503 EA 2" x 1-1/2" Rigid Galvanized Steel (RGS) Reducing Bushing.....	35.04	13.61
For Work In Restricted Working Space, Add	8.17	
For Elevated Installation >10' To 15', Add	2.72	
For Elevated Installation >15' To 20', Add	5.45	
For Elevated Installation >20' To 25', Add	6.81	
For Elevated Installation >25' To 30', Add	9.53	
For Elevated Installation >30' To 35', Add	10.89	
For Elevated Installation >35' To 40', Add	13.62	
For Elevated Installation >40', Add	14.98	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.17	
26 05 33 13-0504 EA 2-1/2" x 2" Rigid Galvanized Steel (RGS) Reducing Bushing.....	43.76	16.09
For Work In Restricted Working Space, Add	9.65	
For Elevated Installation >10' To 15', Add	3.22	
For Elevated Installation >15' To 20', Add	6.44	
For Elevated Installation >20' To 25', Add	8.05	
For Elevated Installation >25' To 30', Add	11.26	
For Elevated Installation >30' To 35', Add	12.87	
For Elevated Installation >35' To 40', Add	16.09	
For Elevated Installation >40', Add	17.70	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.65	
<b>26 05 33 13-0505 Rigid Galvanized Steel (RGS) Locknuts</b> <small>(26 05 33 13-0059)</small>		
26 05 33 13-0506 EA 1/2" Rigid Galvanized Steel (RGS) Locknuts.....	2.04	0.99
For Work In Restricted Working Space, Add	0.59	
For Elevated Installation >10' To 15', Add	0.20	
For Elevated Installation >15' To 20', Add	0.40	
For Elevated Installation >20' To 25', Add	0.50	
For Elevated Installation >25' To 30', Add	0.69	
For Elevated Installation >30' To 35', Add	0.79	
For Elevated Installation >35' To 40', Add	0.99	
For Elevated Installation >40', Add	1.09	
26 05 33 13-0507 EA 3/4" Rigid Galvanized Steel (RGS) Locknuts.....	3.05	1.48
For Work In Restricted Working Space, Add	0.89	
For Elevated Installation >10' To 15', Add	0.30	
For Elevated Installation >15' To 20', Add	0.59	
For Elevated Installation >20' To 25', Add	0.74	
For Elevated Installation >25' To 30', Add	1.04	
For Elevated Installation >30' To 35', Add	1.19	
For Elevated Installation >35' To 40', Add	1.49	
For Elevated Installation >40', Add	1.63	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 05 33 13-0508	EA	1" Rigid Galvanized Steel (RGS) Locknuts.....	5.08	2.48
		<i>For Work In Restricted Working Space, Add</i>	1.49	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	0.50	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	0.99	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	1.24	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	1.73	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	1.98	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	2.48	
		<i>For Elevated Installation &gt;40', Add</i>	2.72	
26 05 33 13-0509	EA	1-1/4" Rigid Galvanized Steel (RGS) Locknuts.....	7.15	3.47
		<i>For Work In Restricted Working Space, Add</i>	2.08	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	0.69	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	1.39	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	1.73	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	2.43	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	2.77	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	3.47	
		<i>For Elevated Installation &gt;40', Add</i>	3.81	
26 05 33 13-0510	EA	1-1/2" Rigid Galvanized Steel (RGS) Locknuts.....	8.20	3.96
		<i>For Work In Restricted Working Space, Add</i>	2.38	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	0.79	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	1.58	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	1.98	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	2.77	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	3.17	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	3.96	
		<i>For Elevated Installation &gt;40', Add</i>	4.36	
26 05 33 13-0511	EA	2" Rigid Galvanized Steel (RGS) Locknuts.....	9.27	4.45
		<i>For Work In Restricted Working Space, Add</i>	2.68	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	0.89	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	1.78	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	2.23	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	3.12	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	3.57	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	4.46	
		<i>For Elevated Installation &gt;40', Add</i>	4.91	
26 05 33 13-0512	EA	2-1/2" Rigid Galvanized Steel (RGS) Locknuts.....	12.81	5.94
		<i>For Work In Restricted Working Space, Add</i>	3.56	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.19	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	2.38	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	2.97	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	4.16	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	4.75	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	5.94	
		<i>For Elevated Installation &gt;40', Add</i>	6.53	
26 05 33 13-0513	EA	3" Rigid Galvanized Steel (RGS) Locknuts.....	15.87	7.42
		<i>For Work In Restricted Working Space, Add</i>	4.46	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.49	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	2.97	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	3.71	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	5.20	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	5.94	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	7.43	
		<i>For Elevated Installation &gt;40', Add</i>	8.17	
26 05 33 13-0514	EA	3-1/2" Rigid Galvanized Steel (RGS) Locknuts.....	18.53	8.41
		<i>For Work In Restricted Working Space, Add</i>	5.05	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.68	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	3.37	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	4.21	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	5.89	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	6.73	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	8.42	
		<i>For Elevated Installation &gt;40', Add</i>	9.26	
26 05 33 13-0515	EA	4" Rigid Galvanized Steel (RGS) Locknuts.....	20.77	9.41
		<i>For Work In Restricted Working Space, Add</i>	5.64	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.88	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	3.76	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	4.70	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	6.58	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	7.52	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	9.41	
		<i>For Elevated Installation &gt;40', Add</i>	10.35	
26 05 33 13-0516		<b>Rigid Galvanized Steel (RGS) Grounding Locknuts</b> (26 05 33 13-0059)		
26 05 33 13-0517	EA	1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts .....	2.83	0.99
		<i>For Work In Restricted Working Space, Add</i>	0.59	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	0.20	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	0.40	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	0.50	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	0.69	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	0.79	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	0.99	
		<i>For Elevated Installation &gt;40', Add</i>	1.09	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0518	EA		3/4" Rigid Galvanized Steel (RGS) Grounding Locknuts .....	3.99	1.48
			<i>For Work In Restricted Working Space, Add</i>	0.89	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.30	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	0.59	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	0.74	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	1.04	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	1.19	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	1.49	
			<i>For Elevated Installation &gt;40', Add</i>	1.63	
26 05 33 13-0519	EA		1" Rigid Galvanized Steel (RGS) Grounding Locknuts .....	6.40	2.48
			<i>For Work In Restricted Working Space, Add</i>	1.49	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.50	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	0.99	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.24	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	1.73	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	1.98	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	2.48	
			<i>For Elevated Installation &gt;40', Add</i>	2.72	
26 05 33 13-0520	EA		1-1/4" Rigid Galvanized Steel (RGS) Grounding Locknuts .....	8.95	3.47
			<i>For Work In Restricted Working Space, Add</i>	2.08	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.69	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.39	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.73	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	2.43	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	2.77	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	3.47	
			<i>For Elevated Installation &gt;40', Add</i>	3.81	
26 05 33 13-0521	EA		1-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts .....	10.14	3.96
			<i>For Work In Restricted Working Space, Add</i>	2.38	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.79	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.58	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.98	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	2.77	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	3.17	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	3.96	
			<i>For Elevated Installation &gt;40', Add</i>	4.36	
26 05 33 13-0522	EA		2" Rigid Galvanized Steel (RGS) Grounding Locknuts .....	11.81	4.45
			<i>For Work In Restricted Working Space, Add</i>	2.68	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.89	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.78	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.23	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	3.12	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	3.57	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	4.46	
			<i>For Elevated Installation &gt;40', Add</i>	4.91	
26 05 33 13-0523	EA		2-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts .....	17.25	5.94
			<i>For Work In Restricted Working Space, Add</i>	3.56	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.19	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.38	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.97	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.16	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	4.75	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	5.94	
			<i>For Elevated Installation &gt;40', Add</i>	6.53	
26 05 33 13-0524	EA		3" Rigid Galvanized Steel (RGS) Grounding Locknuts .....	21.67	7.42
			<i>For Work In Restricted Working Space, Add</i>	4.46	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.49	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.97	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.71	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.20	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.94	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	7.43	
			<i>For Elevated Installation &gt;40', Add</i>	8.17	
26 05 33 13-0525	EA		3-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts .....	27.90	8.41
			<i>For Work In Restricted Working Space, Add</i>	5.05	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.68	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.37	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.21	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.89	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.73	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	8.42	
			<i>For Elevated Installation &gt;40', Add</i>	9.26	
26 05 33 13-0526	EA		4" Rigid Galvanized Steel (RGS) Grounding Locknuts .....	33.08	9.41
			<i>For Work In Restricted Working Space, Add</i>	5.64	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.88	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.76	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.70	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	6.58	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	7.52	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	9.41	
			<i>For Elevated Installation &gt;40', Add</i>	10.35	

26 05 33 13-0527 Rigid Galvanized Steel (RGS) Insulated Ground Bushing (26 05 33 13-0059)

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0528	EA 1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	8.06	2.97
	For Work In Restricted Working Space, Add	1.78	
	For Elevated Installation >10' To 15', Add	0.59	
	For Elevated Installation >15' To 20', Add	1.19	
	For Elevated Installation >20' To 25', Add	1.49	
	For Elevated Installation >25' To 30', Add	2.08	
	For Elevated Installation >30' To 35', Add	2.38	
	For Elevated Installation >35' To 40', Add	2.97	
	For Elevated Installation >40', Add	3.27	
26 05 33 13-0529	EA 3/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	10.22	3.96
	For Work In Restricted Working Space, Add	2.38	
	For Elevated Installation >10' To 15', Add	0.79	
	For Elevated Installation >15' To 20', Add	1.58	
	For Elevated Installation >20' To 25', Add	1.98	
	For Elevated Installation >25' To 30', Add	2.77	
	For Elevated Installation >30' To 35', Add	3.17	
	For Elevated Installation >35' To 40', Add	3.96	
	For Elevated Installation >40', Add	4.36	
26 05 33 13-0530	EA 1" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	13.00	4.95
	For Work In Restricted Working Space, Add	2.97	
	For Elevated Installation >10' To 15', Add	0.99	
	For Elevated Installation >15' To 20', Add	1.98	
	For Elevated Installation >20' To 25', Add	2.48	
	For Elevated Installation >25' To 30', Add	3.47	
	For Elevated Installation >30' To 35', Add	3.96	
	For Elevated Installation >35' To 40', Add	4.95	
	For Elevated Installation >40', Add	5.45	
26 05 33 13-0531	EA 1-1/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	19.30	7.92
	For Work In Restricted Working Space, Add	4.75	
	For Elevated Installation >10' To 15', Add	1.58	
	For Elevated Installation >15' To 20', Add	3.17	
	For Elevated Installation >20' To 25', Add	3.96	
	For Elevated Installation >25' To 30', Add	5.54	
	For Elevated Installation >30' To 35', Add	6.34	
	For Elevated Installation >35' To 40', Add	7.92	
	For Elevated Installation >40', Add	8.71	
26 05 33 13-0532	EA 1-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	21.73	8.92
	For Work In Restricted Working Space, Add	5.35	
	For Elevated Installation >10' To 15', Add	1.78	
	For Elevated Installation >15' To 20', Add	3.56	
	For Elevated Installation >20' To 25', Add	4.46	
	For Elevated Installation >25' To 30', Add	6.24	
	For Elevated Installation >30' To 35', Add	7.13	
	For Elevated Installation >35' To 40', Add	8.91	
	For Elevated Installation >40', Add	9.80	
26 05 33 13-0533	EA 2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	24.59	9.90
	For Work In Restricted Working Space, Add	5.94	
	For Elevated Installation >10' To 15', Add	1.98	
	For Elevated Installation >15' To 20', Add	3.96	
	For Elevated Installation >20' To 25', Add	4.95	
	For Elevated Installation >25' To 30', Add	6.93	
	For Elevated Installation >30' To 35', Add	7.92	
	For Elevated Installation >35' To 40', Add	9.90	
	For Elevated Installation >40', Add	10.89	
26 05 33 13-0534	EA 2-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	33.03	11.88
	For Work In Restricted Working Space, Add	7.13	
	For Elevated Installation >10' To 15', Add	2.38	
	For Elevated Installation >15' To 20', Add	4.75	
	For Elevated Installation >20' To 25', Add	5.94	
	For Elevated Installation >25' To 30', Add	8.32	
	For Elevated Installation >30' To 35', Add	9.50	
	For Elevated Installation >35' To 40', Add	11.88	
	For Elevated Installation >40', Add	13.07	
26 05 33 13-0535	EA 3" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	40.32	14.85
	For Work In Restricted Working Space, Add	8.91	
	For Elevated Installation >10' To 15', Add	2.97	
	For Elevated Installation >15' To 20', Add	5.94	
	For Elevated Installation >20' To 25', Add	7.43	
	For Elevated Installation >25' To 30', Add	10.40	
	For Elevated Installation >30' To 35', Add	11.88	
	For Elevated Installation >35' To 40', Add	14.85	
	For Elevated Installation >40', Add	16.34	
26 05 33 13-0536	EA 3-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	50.56	19.80
	For Work In Restricted Working Space, Add	11.88	
	For Elevated Installation >10' To 15', Add	3.96	
	For Elevated Installation >15' To 20', Add	7.92	
	For Elevated Installation >20' To 25', Add	9.90	
	For Elevated Installation >25' To 30', Add	13.86	
	For Elevated Installation >30' To 35', Add	15.84	
	For Elevated Installation >35' To 40', Add	19.80	
	For Elevated Installation >40', Add	21.78	
26 05 33 13-0537	EA 4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	61.90	24.75
	For Work In Restricted Working Space, Add	14.85	
	For Elevated Installation >10' To 15', Add	4.95	
	For Elevated Installation >15' To 20', Add	9.90	
	For Elevated Installation >20' To 25', Add	12.38	
	For Elevated Installation >25' To 30', Add	17.33	
	For Elevated Installation >30' To 35', Add	19.80	
	For Elevated Installation >35' To 40', Add	24.75	
	For Elevated Installation >40', Add	27.23	

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>26 05 33 13-0538</b>	<b>Rigid Galvanized Steel (RGS) Threadless Compression Connectors</b> <small>(26 05 33 13-0059)</small>		
26 05 33 13-0539	EA 1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors .....	21.68	8.92
	For Work In Restricted Working Space, Add	5.35	
	For Elevated Installation >10' To 15', Add	1.78	
	For Elevated Installation >15' To 20', Add	3.56	
	For Elevated Installation >20' To 25', Add	4.46	
	For Elevated Installation >25' To 30', Add	6.24	
	For Elevated Installation >30' To 35', Add	7.13	
	For Elevated Installation >35' To 40', Add	8.91	
	For Elevated Installation >40', Add	9.80	
26 05 33 13-0540	EA 3/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors .....	26.01	9.90
	For Work In Restricted Working Space, Add	5.94	
	For Elevated Installation >10' To 15', Add	1.98	
	For Elevated Installation >15' To 20', Add	3.96	
	For Elevated Installation >20' To 25', Add	4.95	
	For Elevated Installation >25' To 30', Add	6.93	
	For Elevated Installation >30' To 35', Add	7.92	
	For Elevated Installation >35' To 40', Add	9.90	
	For Elevated Installation >40', Add	10.89	
26 05 33 13-0541	EA 1" Rigid Galvanized Steel (RGS) Threadless Compression Connectors .....	34.45	12.38
	For Work In Restricted Working Space, Add	7.43	
	For Elevated Installation >10' To 15', Add	2.48	
	For Elevated Installation >15' To 20', Add	4.95	
	For Elevated Installation >20' To 25', Add	6.19	
	For Elevated Installation >25' To 30', Add	8.66	
	For Elevated Installation >30' To 35', Add	9.90	
	For Elevated Installation >35' To 40', Add	12.38	
	For Elevated Installation >40', Add	13.61	
26 05 33 13-0542	EA 1-1/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors .....	47.95	14.85
	For Work In Restricted Working Space, Add	8.91	
	For Elevated Installation >10' To 15', Add	2.97	
	For Elevated Installation >15' To 20', Add	5.94	
	For Elevated Installation >20' To 25', Add	7.43	
	For Elevated Installation >25' To 30', Add	10.40	
	For Elevated Installation >30' To 35', Add	11.88	
	For Elevated Installation >35' To 40', Add	14.85	
	For Elevated Installation >40', Add	16.34	
26 05 33 13-0543	EA 1-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors .....	64.87	19.80
	For Work In Restricted Working Space, Add	11.88	
	For Elevated Installation >10' To 15', Add	3.96	
	For Elevated Installation >15' To 20', Add	7.92	
	For Elevated Installation >20' To 25', Add	9.90	
	For Elevated Installation >25' To 30', Add	13.86	
	For Elevated Installation >30' To 35', Add	15.84	
	For Elevated Installation >35' To 40', Add	19.80	
	For Elevated Installation >40', Add	21.78	
26 05 33 13-0544	EA 2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors .....	97.99	24.75
	For Work In Restricted Working Space, Add	14.85	
	For Elevated Installation >10' To 15', Add	4.95	
	For Elevated Installation >15' To 20', Add	9.90	
	For Elevated Installation >20' To 25', Add	12.38	
	For Elevated Installation >25' To 30', Add	17.33	
	For Elevated Installation >30' To 35', Add	19.80	
	For Elevated Installation >35' To 40', Add	24.75	
	For Elevated Installation >40', Add	27.23	
26 05 33 13-0545	EA 2-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors .....	171.26	29.70
	For Work In Restricted Working Space, Add	17.82	
	For Elevated Installation >10' To 15', Add	5.94	
	For Elevated Installation >15' To 20', Add	11.88	
	For Elevated Installation >20' To 25', Add	14.85	
	For Elevated Installation >25' To 30', Add	20.79	
	For Elevated Installation >30' To 35', Add	23.76	
	For Elevated Installation >35' To 40', Add	29.70	
	For Elevated Installation >40', Add	32.67	
26 05 33 13-0546	EA 3" Rigid Galvanized Steel (RGS) Threadless Compression Connectors .....	217.61	34.65
	For Work In Restricted Working Space, Add	20.79	
	For Elevated Installation >10' To 15', Add	6.93	
	For Elevated Installation >15' To 20', Add	13.86	
	For Elevated Installation >20' To 25', Add	17.33	
	For Elevated Installation >25' To 30', Add	24.26	
	For Elevated Installation >30' To 35', Add	27.72	
	For Elevated Installation >35' To 40', Add	34.66	
	For Elevated Installation >40', Add	38.12	
26 05 33 13-0547	EA 3-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors .....	277.95	42.08
	For Work In Restricted Working Space, Add	25.25	
	For Elevated Installation >10' To 15', Add	8.42	
	For Elevated Installation >15' To 20', Add	16.83	
	For Elevated Installation >20' To 25', Add	21.04	
	For Elevated Installation >25' To 30', Add	29.46	
	For Elevated Installation >30' To 35', Add	33.66	
	For Elevated Installation >35' To 40', Add	42.08	
	For Elevated Installation >40', Add	46.29	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 05 33 13-0548	EA	4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors .....	336.25	49.50
		<i>For Work In Restricted Working Space, Add</i>	29.70	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	9.90	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	19.80	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	24.75	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	34.65	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	39.60	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	49.50	
		<i>For Elevated Installation &gt;40', Add</i>	54.45	
<b>26 05 33 13-0549</b>		<b>Rigid Galvanized Steel (RGS) Compression Coupling</b> .....		
		<small>(26 05 33 13-0059)</small>		
26 05 33 13-0550	EA	1/2" Rigid Galvanized Steel (RGS) Compression Coupling .....	30.97	12.38
		<i>For Work In Restricted Working Space, Add</i>	7.43	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.48	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	4.95	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	6.19	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	8.66	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	9.90	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	12.38	
		<i>For Elevated Installation &gt;40', Add</i>	13.61	
26 05 33 13-0551	EA	3/4" Rigid Galvanized Steel (RGS) Compression Coupling .....	39.68	14.85
		<i>For Work In Restricted Working Space, Add</i>	8.91	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.97	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	5.94	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	7.43	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	10.40	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	11.88	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	14.85	
		<i>For Elevated Installation &gt;40', Add</i>	16.34	
26 05 33 13-0552	EA	1" Rigid Galvanized Steel (RGS) Compression Coupling .....	57.00	19.80
		<i>For Work In Restricted Working Space, Add</i>	11.88	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.96	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	7.92	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	9.90	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	13.86	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	15.84	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	19.80	
		<i>For Elevated Installation &gt;40', Add</i>	21.78	
26 05 33 13-0553	EA	1-1/4" Rigid Galvanized Steel (RGS) Compression Coupling .....	75.26	24.75
		<i>For Work In Restricted Working Space, Add</i>	14.85	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	4.95	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	9.90	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	12.38	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	17.33	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	19.80	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	24.75	
		<i>For Elevated Installation &gt;40', Add</i>	27.23	
26 05 33 13-0554	EA	1-1/2" Rigid Galvanized Steel (RGS) Compression Coupling .....	92.93	29.70
		<i>For Work In Restricted Working Space, Add</i>	17.82	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.94	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	11.88	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	14.85	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	20.79	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	23.76	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	29.70	
		<i>For Elevated Installation &gt;40', Add</i>	32.67	
26 05 33 13-0555	EA	2" Rigid Galvanized Steel (RGS) Compression Coupling .....	142.64	34.65
		<i>For Work In Restricted Working Space, Add</i>	20.79	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	6.93	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	13.86	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	17.33	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	24.26	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	27.72	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	34.66	
		<i>For Elevated Installation &gt;40', Add</i>	38.12	
26 05 33 13-0556	EA	2-1/2" Rigid Galvanized Steel (RGS) Compression Coupling .....	233.67	39.60
		<i>For Work In Restricted Working Space, Add</i>	23.76	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	7.92	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	15.84	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	19.80	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	27.72	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	31.68	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	39.60	
		<i>For Elevated Installation &gt;40', Add</i>	43.56	
26 05 33 13-0557	EA	3" Rigid Galvanized Steel (RGS) Compression Coupling .....	272.96	34.16
		<i>For Work In Restricted Working Space, Add</i>	20.49	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	6.83	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	13.66	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	17.08	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	23.91	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	27.32	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	34.16	
		<i>For Elevated Installation &gt;40', Add</i>	37.57	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-0558	EA 3-1/2" Rigid Galvanized Steel (RGS) Compression Coupling.....	373.36	51.98
	For Work In Restricted Working Space, Add	31.19	
	For Elevated Installation >10' To 15', Add	10.40	
	For Elevated Installation >15' To 20', Add	20.79	
	For Elevated Installation >20' To 25', Add	25.99	
	For Elevated Installation >25' To 30', Add	36.39	
	For Elevated Installation >30' To 35', Add	41.58	
	For Elevated Installation >35' To 40', Add	51.98	
	For Elevated Installation >40', Add	57.18	
26 05 33 13-0559	EA 4" Rigid Galvanized Steel (RGS) Compression Coupling.....	463.53	59.40
	For Work In Restricted Working Space, Add	35.64	
	For Elevated Installation >10' To 15', Add	11.88	
	For Elevated Installation >15' To 20', Add	23.76	
	For Elevated Installation >20' To 25', Add	29.70	
	For Elevated Installation >25' To 30', Add	41.58	
	For Elevated Installation >30' To 35', Add	47.52	
	For Elevated Installation >35' To 40', Add	59.41	
	For Elevated Installation >40', Add	65.35	
<b>26 05 33 13-0560 Zinc Plated Steel Snap-in Knock Out Seal</b> <small>(26 05 33 13-0059)</small>			
26 05 33 13-0561	EA 1/2" Zinc Plated Steel Snap-in Knock Out Seal .....	5.13	2.48
	For Work In Restricted Working Space, Add	1.49	
	For Elevated Installation >10' To 15', Add	0.50	
	For Elevated Installation >15' To 20', Add	0.99	
	For Elevated Installation >20' To 25', Add	1.24	
	For Elevated Installation >25' To 30', Add	1.73	
	For Elevated Installation >30' To 35', Add	1.98	
	For Elevated Installation >35' To 40', Add	2.48	
	For Elevated Installation >40', Add	2.72	
26 05 33 13-0562	EA 3/4" Zinc Plated Steel Snap-in Knock Out Seal .....	6.18	2.97
	For Work In Restricted Working Space, Add	1.78	
	For Elevated Installation >10' To 15', Add	0.59	
	For Elevated Installation >15' To 20', Add	1.19	
	For Elevated Installation >20' To 25', Add	1.49	
	For Elevated Installation >25' To 30', Add	2.08	
	For Elevated Installation >30' To 35', Add	2.38	
	For Elevated Installation >35' To 40', Add	2.97	
	For Elevated Installation >40', Add	3.27	
26 05 33 13-0563	EA 1" Zinc Plated Steel Snap-in Knock Out Seal .....	7.30	3.47
	For Work In Restricted Working Space, Add	2.08	
	For Elevated Installation >10' To 15', Add	0.69	
	For Elevated Installation >15' To 20', Add	1.39	
	For Elevated Installation >20' To 25', Add	1.73	
	For Elevated Installation >25' To 30', Add	2.43	
	For Elevated Installation >30' To 35', Add	2.77	
	For Elevated Installation >35' To 40', Add	3.47	
	For Elevated Installation >40', Add	3.81	
26 05 33 13-0564	EA 1-1/4" Zinc Plated Steel Snap-in Knock Out Seal .....	9.41	4.45
	For Work In Restricted Working Space, Add	2.68	
	For Elevated Installation >10' To 15', Add	0.89	
	For Elevated Installation >15' To 20', Add	1.78	
	For Elevated Installation >20' To 25', Add	2.23	
	For Elevated Installation >25' To 30', Add	3.12	
	For Elevated Installation >30' To 35', Add	3.57	
	For Elevated Installation >35' To 40', Add	4.46	
	For Elevated Installation >40', Add	4.91	
26 05 33 13-0565	EA 1-1/2" Zinc Plated Steel Snap-in Knock Out Seal .....	10.58	4.95
	For Work In Restricted Working Space, Add	2.97	
	For Elevated Installation >10' To 15', Add	0.99	
	For Elevated Installation >15' To 20', Add	1.98	
	For Elevated Installation >20' To 25', Add	2.48	
	For Elevated Installation >25' To 30', Add	3.47	
	For Elevated Installation >30' To 35', Add	3.96	
	For Elevated Installation >35' To 40', Add	4.95	
	For Elevated Installation >40', Add	5.45	
26 05 33 13-0566	EA 2" Zinc Plated Steel Snap-in Knock Out Seal .....	12.84	5.94
	For Work In Restricted Working Space, Add	3.56	
	For Elevated Installation >10' To 15', Add	1.19	
	For Elevated Installation >15' To 20', Add	2.38	
	For Elevated Installation >20' To 25', Add	2.97	
	For Elevated Installation >25' To 30', Add	4.16	
	For Elevated Installation >30' To 35', Add	4.75	
	For Elevated Installation >35' To 40', Add	5.94	
	For Elevated Installation >40', Add	6.53	
<b>26 05 33 13-0567 Zinc Plated Steel 3-Piece Knock Out Seal</b> <small>(26 05 33 13-0059)</small>			
26 05 33 13-0568	EA 1/2" Zinc Plated Steel 3-Piece Knock Out Seal .....	6.03	2.48
	For Work In Restricted Working Space, Add	1.49	
	For Elevated Installation >10' To 15', Add	0.50	
	For Elevated Installation >15' To 20', Add	0.99	
	For Elevated Installation >20' To 25', Add	1.24	
	For Elevated Installation >25' To 30', Add	1.73	
	For Elevated Installation >30' To 35', Add	1.98	
	For Elevated Installation >35' To 40', Add	2.48	
	For Elevated Installation >40', Add	2.72	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0569	EA 3/4" Zinc Plated Steel 3-Piece Knock Out Seal.....	7.19	2.97
	<i>For Work In Restricted Working Space, Add</i>	1.78	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	0.59	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	1.19	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	1.49	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	2.08	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	2.38	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	2.97	
	<i>For Elevated Installation &gt;40', Add</i>	3.27	
26 05 33 13-0570	EA 1" Zinc Plated Steel 3-Piece Knock Out Seal.....	8.66	3.47
	<i>For Work In Restricted Working Space, Add</i>	2.08	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	0.69	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	1.39	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	1.73	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	2.43	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	2.77	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	3.47	
	<i>For Elevated Installation &gt;40', Add</i>	3.81	
26 05 33 13-0571	EA 1-1/4" Zinc Plated Steel 3-Piece Knock Out Seal .....	11.14	4.45
	<i>For Work In Restricted Working Space, Add</i>	2.68	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	0.89	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	1.78	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	2.23	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	3.12	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	3.57	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	4.46	
	<i>For Elevated Installation &gt;40', Add</i>	4.91	
26 05 33 13-0572	EA 1-1/2" Zinc Plated Steel 3-Piece Knock Out Seal .....	13.45	4.95
	<i>For Work In Restricted Working Space, Add</i>	2.97	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	0.99	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	1.98	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	2.48	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	3.47	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	3.96	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	4.95	
	<i>For Elevated Installation &gt;40', Add</i>	5.45	
26 05 33 13-0573	EA 2" Zinc Plated Steel 3-Piece Knock Out Seal.....	16.24	5.94
	<i>For Work In Restricted Working Space, Add</i>	3.56	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	1.19	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	2.38	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	2.97	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	4.16	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	4.75	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	5.94	
	<i>For Elevated Installation &gt;40', Add</i>	6.53	
26 05 33 13-0574	EA 2-1/2" Zinc Plated Steel 3-Piece Knock Out Seal .....	19.98	7.42
	<i>For Work In Restricted Working Space, Add</i>	4.46	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	1.49	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	2.97	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	3.71	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	5.20	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	5.94	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	7.43	
	<i>For Elevated Installation &gt;40', Add</i>	8.17	
26 05 33 13-0575	EA 3" Zinc Plated Steel 3-Piece Knock Out Seal.....	23.24	8.41
	<i>For Work In Restricted Working Space, Add</i>	5.05	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	1.68	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	3.37	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	4.21	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	5.89	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	6.73	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	8.42	
	<i>For Elevated Installation &gt;40', Add</i>	9.26	
26 05 33 13-0576	EA 3-1/2" Zinc Plated Steel 3-Piece Knock Out Seal .....	27.84	9.41
	<i>For Work In Restricted Working Space, Add</i>	5.64	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	1.88	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	3.76	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	4.70	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	6.58	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	7.52	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	9.41	
	<i>For Elevated Installation &gt;40', Add</i>	10.35	
26 05 33 13-0577	EA 4" Zinc Plated Steel 3-Piece Knock Out Seal.....	32.38	10.40
	<i>For Work In Restricted Working Space, Add</i>	6.24	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	2.08	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	4.16	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	5.20	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	7.28	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	8.32	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	10.40	
	<i>For Elevated Installation &gt;40', Add</i>	11.43	

26 05 33 13-0578 Rigid Galvanized Steel (RGS) Chase Nipples (26 05 33 13-0059)

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0579 EA 1/2" Rigid Galvanized Steel (RGS) Chase Nipple.....	12.16	5.94
For Work In Restricted Working Space, Add	3.56	
For Elevated Installation >10' To 15', Add	1.19	
For Elevated Installation >15' To 20', Add	2.38	
For Elevated Installation >20' To 25', Add	2.97	
For Elevated Installation >25' To 30', Add	4.16	
For Elevated Installation >30' To 35', Add	4.75	
For Elevated Installation >35' To 40', Add	5.94	
For Elevated Installation >40', Add	6.53	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.56	
26 05 33 13-0580 EA 3/4" Rigid Galvanized Steel (RGS) Chase Nipple.....	14.32	6.93
For Work In Restricted Working Space, Add	4.16	
For Elevated Installation >10' To 15', Add	1.39	
For Elevated Installation >15' To 20', Add	2.77	
For Elevated Installation >20' To 25', Add	3.47	
For Elevated Installation >25' To 30', Add	4.85	
For Elevated Installation >30' To 35', Add	5.54	
For Elevated Installation >35' To 40', Add	6.93	
For Elevated Installation >40', Add	7.62	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.16	
26 05 33 13-0581 EA 1" Rigid Galvanized Steel (RGS) Chase Nipple.....	17.83	8.41
For Work In Restricted Working Space, Add	5.05	
For Elevated Installation >10' To 15', Add	1.68	
For Elevated Installation >15' To 20', Add	3.37	
For Elevated Installation >20' To 25', Add	4.21	
For Elevated Installation >25' To 30', Add	5.89	
For Elevated Installation >30' To 35', Add	6.73	
For Elevated Installation >35' To 40', Add	8.42	
For Elevated Installation >40', Add	9.26	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.05	
26 05 33 13-0582 EA 1-1/4" Rigid Galvanized Steel (RGS) Chase Nipple.....	21.54	9.90
For Work In Restricted Working Space, Add	5.94	
For Elevated Installation >10' To 15', Add	1.98	
For Elevated Installation >15' To 20', Add	3.96	
For Elevated Installation >20' To 25', Add	4.95	
For Elevated Installation >25' To 30', Add	6.93	
For Elevated Installation >30' To 35', Add	7.92	
For Elevated Installation >35' To 40', Add	9.90	
For Elevated Installation >40', Add	10.89	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.94	
26 05 33 13-0583 EA 1-1/2" Rigid Galvanized Steel (RGS) Chase Nipple.....	26.99	12.38
For Work In Restricted Working Space, Add	7.43	
For Elevated Installation >10' To 15', Add	2.48	
For Elevated Installation >15' To 20', Add	4.95	
For Elevated Installation >20' To 25', Add	6.19	
For Elevated Installation >25' To 30', Add	8.66	
For Elevated Installation >30' To 35', Add	9.90	
For Elevated Installation >35' To 40', Add	12.38	
For Elevated Installation >40', Add	13.61	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.43	
26 05 33 13-0584 EA 2" Rigid Galvanized Steel (RGS) Chase Nipple.....	33.34	14.85
For Work In Restricted Working Space, Add	8.91	
For Elevated Installation >10' To 15', Add	2.97	
For Elevated Installation >15' To 20', Add	5.94	
For Elevated Installation >20' To 25', Add	7.43	
For Elevated Installation >25' To 30', Add	10.40	
For Elevated Installation >30' To 35', Add	11.88	
For Elevated Installation >35' To 40', Add	14.85	
For Elevated Installation >40', Add	16.34	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.91	
26 05 33 13-0585 EA 2-1/2" Rigid Galvanized Steel (RGS) Chase Nipple.....	41.57	17.33
For Work In Restricted Working Space, Add	10.40	
For Elevated Installation >10' To 15', Add	3.47	
For Elevated Installation >15' To 20', Add	6.93	
For Elevated Installation >20' To 25', Add	8.66	
For Elevated Installation >25' To 30', Add	12.13	
For Elevated Installation >30' To 35', Add	13.86	
For Elevated Installation >35' To 40', Add	17.33	
For Elevated Installation >40', Add	19.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.40	
26 05 33 13-0586 EA 3" Rigid Galvanized Steel (RGS) Chase Nipple.....	46.70	19.80
For Work In Restricted Working Space, Add	11.88	
For Elevated Installation >10' To 15', Add	3.96	
For Elevated Installation >15' To 20', Add	7.92	
For Elevated Installation >20' To 25', Add	9.90	
For Elevated Installation >25' To 30', Add	13.86	
For Elevated Installation >30' To 35', Add	15.84	
For Elevated Installation >35' To 40', Add	19.80	
For Elevated Installation >40', Add	21.78	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.88	
26 05 33 13-0587 EA 3-1/2" Rigid Galvanized Steel (RGS) Chase Nipple.....	57.10	22.27
For Work In Restricted Working Space, Add	13.37	
For Elevated Installation >10' To 15', Add	4.46	
For Elevated Installation >15' To 20', Add	8.91	
For Elevated Installation >20' To 25', Add	11.14	
For Elevated Installation >25' To 30', Add	15.60	
For Elevated Installation >30' To 35', Add	17.82	
For Elevated Installation >35' To 40', Add	22.28	
For Elevated Installation >40', Add	24.51	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.37	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 33 13-0588	EA	4" Rigid Galvanized Steel (RGS) Chase Nipple.....	75.78	24.75
		<i>For Work In Restricted Working Space, Add</i>	14.85	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	4.95	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	9.90	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	12.38	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	17.33	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	19.80	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	24.75	
		<i>For Elevated Installation &gt;40', Add</i>	27.23	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.85	

**26 05 33 13-0589 Rigid Galvanized Steel (RGS) Pulling Elbow** (26 05 33 13-0059)

26 05 33 13-0590	EA	1/2" Rigid Galvanized Steel (RGS) Pulling Elbow.....	22.59	8.92
		<i>For Work In Restricted Working Space, Add</i>	5.35	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.78	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	3.56	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	4.46	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	6.24	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	7.13	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	8.91	
		<i>For Elevated Installation &gt;40', Add</i>	9.80	
26 05 33 13-0591	EA	3/4" Rigid Galvanized Steel (RGS) Pulling Elbow.....	26.26	10.40
		<i>For Work In Restricted Working Space, Add</i>	6.24	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.08	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	4.16	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	5.20	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	7.28	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	8.32	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	10.40	
		<i>For Elevated Installation &gt;40', Add</i>	11.43	
26 05 33 13-0592	EA	1" Rigid Galvanized Steel (RGS) Pulling Elbow.....	32.85	11.88
		<i>For Work In Restricted Working Space, Add</i>	7.13	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.38	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	4.75	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	5.94	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	8.32	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	9.50	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	11.88	
		<i>For Elevated Installation &gt;40', Add</i>	13.07	
26 05 33 13-0593	EA	1-1/4" Rigid Galvanized Steel (RGS) Pulling Elbow.....	41.93	14.85
		<i>For Work In Restricted Working Space, Add</i>	8.91	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.97	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	5.94	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	7.43	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	10.40	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	11.88	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	14.85	
		<i>For Elevated Installation &gt;40', Add</i>	16.34	
26 05 33 13-0594	EA	1-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow.....	55.06	17.82
		<i>For Work In Restricted Working Space, Add</i>	10.69	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.56	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	7.13	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	8.91	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	12.47	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	14.26	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	17.82	
		<i>For Elevated Installation &gt;40', Add</i>	19.60	
26 05 33 13-0595	EA	2" Rigid Galvanized Steel (RGS) Pulling Elbow.....	72.32	20.79
		<i>For Work In Restricted Working Space, Add</i>	12.47	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	4.16	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	8.32	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	10.40	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	14.55	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	16.63	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	20.79	
		<i>For Elevated Installation &gt;40', Add</i>	22.87	
26 05 33 13-0596	EA	2-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow.....	98.28	23.76
		<i>For Work In Restricted Working Space, Add</i>	14.26	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	4.75	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	9.51	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	11.88	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	16.64	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	19.01	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	23.77	
		<i>For Elevated Installation &gt;40', Add</i>	26.14	
26 05 33 13-0597	EA	3" Rigid Galvanized Steel (RGS) Pulling Elbow.....	166.91	29.70
		<i>For Work In Restricted Working Space, Add</i>	17.82	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.94	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	11.88	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	14.85	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	20.79	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	23.76	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	29.70	
		<i>For Elevated Installation &gt;40', Add</i>	32.67	

**26 05 33 13-0598 Electrical Metallic Tubing (EMT) Thinwall Conduit** (26 05 33 13-0058)

Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.



	MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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	26 05 33 13-0599	<b>Electrical Metallic Tubing (EMT) Thinwall Conduit</b> <small>(26 05 33 13-0598)</small> Note: Includes field bending conduit up to and including 1".		
	26 05 33 13-0600	LF 1/2" Electrical Metallic Tubing (EMT) Conduit..... <ul style="list-style-type: none"> <li>For Work In Restricted Working Space, Add</li> <li>For Elevated Installation &gt;10' To 15', Add</li> <li>For Elevated Installation &gt;15' To 20', Add</li> <li>For Elevated Installation &gt;20' To 25', Add</li> <li>For Elevated Installation &gt;25' To 30', Add</li> <li>For Elevated Installation &gt;30' To 35', Add</li> <li>For Elevated Installation &gt;35' To 40', Add</li> <li>For Elevated Installation &gt;40', Add</li> <li>For &gt;250 To 500, Deduct</li> <li>For &gt;500 To 1,000, Deduct</li> <li>For &gt;1,000, Deduct</li> <li>For Installation In Metal Stud Wall, Add</li> <li>For Installation In Wood Stud Wall (Includes Drilling), Add</li> <li>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</li> <li>For Factory Applied Color Coating, Add</li> </ul>	5.39 1.34 0.45 0.89 1.11 1.56 1.78 2.23 2.45 -0.05 -0.29 -0.43 0.45 1.11 0.67 0.28	1.79
	26 05 33 13-0601	LF 3/4" Electrical Metallic Tubing (EMT) Conduit..... <ul style="list-style-type: none"> <li>For Work In Restricted Working Space, Add</li> <li>For Elevated Installation &gt;10' To 15', Add</li> <li>For Elevated Installation &gt;15' To 20', Add</li> <li>For Elevated Installation &gt;20' To 25', Add</li> <li>For Elevated Installation &gt;25' To 30', Add</li> <li>For Elevated Installation &gt;30' To 35', Add</li> <li>For Elevated Installation &gt;35' To 40', Add</li> <li>For Elevated Installation &gt;40', Add</li> <li>For &gt;250 To 500, Deduct</li> <li>For &gt;500 To 1,000, Deduct</li> <li>For &gt;1,000, Deduct</li> <li>For Installation In Metal Stud Wall, Add</li> <li>For Installation In Wood Stud Wall (Includes Drilling), Add</li> <li>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</li> <li>For Factory Applied Color Coating, Add</li> </ul>	6.42 1.49 0.50 0.99 1.24 1.73 1.98 2.48 2.72 -0.07 -0.36 -0.52 0.50 1.24 0.74 0.44	1.98
	26 05 33 13-0602	LF 1" Electrical Metallic Tubing (EMT) Conduit..... <ul style="list-style-type: none"> <li>For Work In Restricted Working Space, Add</li> <li>For Elevated Installation &gt;10' To 15', Add</li> <li>For Elevated Installation &gt;15' To 20', Add</li> <li>For Elevated Installation &gt;20' To 25', Add</li> <li>For Elevated Installation &gt;25' To 30', Add</li> <li>For Elevated Installation &gt;30' To 35', Add</li> <li>For Elevated Installation &gt;35' To 40', Add</li> <li>For Elevated Installation &gt;40', Add</li> <li>For &gt;250 To 500, Deduct</li> <li>For &gt;500 To 1,000, Deduct</li> <li>For &gt;1,000, Deduct</li> <li>For Installation In Metal Stud Wall, Add</li> <li>For Installation In Wood Stud Wall (Includes Drilling), Add</li> <li>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</li> <li>For Factory Applied Color Coating, Add</li> </ul>	7.90 1.64 0.55 1.09 1.36 1.91 2.18 2.73 3.00 -0.12 -0.46 -0.65 0.55 1.36 0.82 0.74	2.18
	26 05 33 13-0603	LF 1-1/4" Electrical Metallic Tubing (EMT) Conduit ..... <ul style="list-style-type: none"> <li>For Work In Restricted Working Space, Add</li> <li>For Elevated Installation &gt;10' To 15', Add</li> <li>For Elevated Installation &gt;15' To 20', Add</li> <li>For Elevated Installation &gt;20' To 25', Add</li> <li>For Elevated Installation &gt;25' To 30', Add</li> <li>For Elevated Installation &gt;30' To 35', Add</li> <li>For Elevated Installation &gt;35' To 40', Add</li> <li>For Elevated Installation &gt;40', Add</li> <li>For &gt;250 To 500, Deduct</li> <li>For &gt;500 To 1,000, Deduct</li> <li>For &gt;1,000, Deduct</li> <li>For Installation In Metal Stud Wall, Add</li> <li>For Installation In Wood Stud Wall (Includes Drilling), Add</li> <li>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</li> <li>For Factory Applied Color Coating, Add</li> </ul>	10.01 1.84 0.61 1.23 1.54 2.15 2.46 3.07 3.38 -0.19 -0.60 -0.85 0.61 1.54 0.92 1.16	2.46
	26 05 33 13-0604	LF 1-1/2" Electrical Metallic Tubing (EMT) Conduit ..... <ul style="list-style-type: none"> <li>For Work In Restricted Working Space, Add</li> <li>For Elevated Installation &gt;10' To 15', Add</li> <li>For Elevated Installation &gt;15' To 20', Add</li> <li>For Elevated Installation &gt;20' To 25', Add</li> <li>For Elevated Installation &gt;25' To 30', Add</li> <li>For Elevated Installation &gt;30' To 35', Add</li> <li>For Elevated Installation &gt;35' To 40', Add</li> <li>For Elevated Installation &gt;40', Add</li> <li>For &gt;250 To 500, Deduct</li> <li>For &gt;500 To 1,000, Deduct</li> <li>For &gt;1,000, Deduct</li> <li>For Installation In Metal Stud Wall, Add</li> <li>For Installation In Wood Stud Wall (Includes Drilling), Add</li> <li>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</li> <li>For Factory Applied Color Coating, Add</li> </ul>	11.75 2.08 0.69 1.39 1.73 2.43 2.77 3.47 3.81 -0.24 -0.71 -1.00 0.69 1.73 1.04 1.45	2.77

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0605	LF 2" Electrical Metallic Tubing (EMT) Conduit.....	13.63	3.17
	<i>For Work In Restricted Working Space, Add</i>	2.38	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	0.79	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	1.58	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	1.98	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	2.77	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	3.17	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	3.96	
	<i>For Elevated Installation &gt;40', Add</i>	4.36	
	<i>For &gt;250 To 500, Deduct</i>	-0.29	
	<i>For &gt;500 To 1,000, Deduct</i>	-0.82	
	<i>For &gt;1,000, Deduct</i>	-1.17	
	<i>For Installation In Metal Stud Wall, Add</i>	0.79	
	<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.98	
	<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.19	
	<i>For Factory Applied Color Coating, Add</i>	1.71	
26 05 33 13-0606	LF 2-1/2" Electrical Metallic Tubing (EMT) Conduit.....	17.87	3.76
	<i>For Work In Restricted Working Space, Add</i>	2.82	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	0.94	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	1.88	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	2.35	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	3.29	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	3.76	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	4.71	
	<i>For Elevated Installation &gt;40', Add</i>	5.18	
	<i>For &gt;250 To 500, Deduct</i>	-0.42	
	<i>For &gt;500 To 1,000, Deduct</i>	-1.11	
	<i>For &gt;1,000, Deduct</i>	-1.55	
	<i>For Installation In Metal Stud Wall, Add</i>	0.94	
	<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	2.35	
	<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.41	
	<i>For Factory Applied Color Coating, Add</i>	2.54	
26 05 33 13-0607	LF 3" Electrical Metallic Tubing (EMT) Conduit.....	21.48	4.35
	<i>For Work In Restricted Working Space, Add</i>	3.27	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	1.09	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	2.18	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	2.72	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	3.81	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	4.36	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	5.45	
	<i>For Elevated Installation &gt;40', Add</i>	5.99	
	<i>For &gt;250 To 500, Deduct</i>	-0.53	
	<i>For &gt;500 To 1,000, Deduct</i>	-1.34	
	<i>For &gt;1,000, Deduct</i>	-1.88	
	<i>For Installation In Metal Stud Wall, Add</i>	1.09	
	<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	2.72	
	<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.63	
	<i>For Factory Applied Color Coating, Add</i>	3.18	
26 05 33 13-0608	LF 3-1/2" Electrical Metallic Tubing (EMT) Conduit.....	27.03	5.14
	<i>For Work In Restricted Working Space, Add</i>	3.86	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	1.29	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	2.57	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	3.22	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	4.50	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	5.15	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	6.44	
	<i>For Elevated Installation &gt;40', Add</i>	7.08	
	<i>For &gt;250 To 500, Deduct</i>	-0.71	
	<i>For &gt;500 To 1,000, Deduct</i>	-1.71	
	<i>For &gt;1,000, Deduct</i>	-2.38	
	<i>For Installation In Metal Stud Wall, Add</i>	1.29	
	<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	3.22	
	<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.93	
	<i>For Factory Applied Color Coating, Add</i>	4.25	
26 05 33 13-0609	LF 4" Electrical Metallic Tubing (EMT) Conduit.....	35.74	7.92
	<i>For Work In Restricted Working Space, Add</i>	5.94	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	1.98	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	3.96	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	4.95	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	6.93	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	7.92	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	9.90	
	<i>For Elevated Installation &gt;40', Add</i>	10.88	
	<i>For &gt;250 To 500, Deduct</i>	-0.80	
	<i>For &gt;500 To 1,000, Deduct</i>	-2.19	
	<i>For &gt;1,000, Deduct</i>	-3.08	
	<i>For Installation In Metal Stud Wall, Add</i>	1.98	
	<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	4.95	
	<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	2.97	
	<i>For Factory Applied Color Coating, Add</i>	4.79	

26 05 33 13-0610 Electrical Metallic Tubing (EMT) 90 Degree Elbows (26 05 33 13-0608)  
 See CSI section 26 05 33 13-2245 for conduit field bending.

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0611	EA		1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	13.08	4.35
				<i>For Work In Restricted Working Space, Add</i>	3.27	
				<i>For Elevated Installation &gt;10' To 15', Add</i>	1.09	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	2.18	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	2.72	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	3.81	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	4.36	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	5.45	
				<i>For Elevated Installation &gt;40', Add</i>	5.99	
26 05 33	13-0612	EA		3/4" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	13.83	4.75
				<i>For Work In Restricted Working Space, Add</i>	3.56	
				<i>For Elevated Installation &gt;10' To 15', Add</i>	1.19	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	2.38	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	2.97	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	4.16	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	4.75	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	5.94	
				<i>For Elevated Installation &gt;40', Add</i>	6.53	
26 05 33	13-0613	EA		1" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	16.92	5.55
				<i>For Work In Restricted Working Space, Add</i>	4.16	
				<i>For Elevated Installation &gt;10' To 15', Add</i>	1.39	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	2.77	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	3.47	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	4.85	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	5.54	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	6.93	
				<i>For Elevated Installation &gt;40', Add</i>	7.62	
26 05 33	13-0614	EA		1-1/4" Electrical Metallic Tubing (EMT) 90 Degree Elbow .....	18.66	5.94
				<i>For Work In Restricted Working Space, Add</i>	4.46	
				<i>For Elevated Installation &gt;10' To 15', Add</i>	1.49	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	2.97	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	3.71	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	5.20	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	5.94	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	7.43	
				<i>For Elevated Installation &gt;40', Add</i>	8.17	
26 05 33	13-0615	EA		1-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow .....	22.10	7.13
				<i>For Work In Restricted Working Space, Add</i>	5.35	
				<i>For Elevated Installation &gt;10' To 15', Add</i>	1.78	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	3.56	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	4.46	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	6.24	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	7.13	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	8.91	
				<i>For Elevated Installation &gt;40', Add</i>	9.80	
26 05 33	13-0616	EA		2" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	29.09	9.11
				<i>For Work In Restricted Working Space, Add</i>	6.83	
				<i>For Elevated Installation &gt;10' To 15', Add</i>	2.28	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	4.55	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	5.69	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	7.97	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	9.11	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	11.39	
				<i>For Elevated Installation &gt;40', Add</i>	12.52	
26 05 33	13-0617	EA		2-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow .....	39.71	10.30
				<i>For Work In Restricted Working Space, Add</i>	7.72	
				<i>For Elevated Installation &gt;10' To 15', Add</i>	2.57	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	5.15	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	6.44	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	9.01	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	10.30	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	12.87	
				<i>For Elevated Installation &gt;40', Add</i>	14.16	
26 05 33	13-0618	EA		3" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	51.27	11.48
				<i>For Work In Restricted Working Space, Add</i>	8.61	
				<i>For Elevated Installation &gt;10' To 15', Add</i>	2.87	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	5.74	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	7.18	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	10.05	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	11.48	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	14.36	
				<i>For Elevated Installation &gt;40', Add</i>	15.79	
26 05 33	13-0619	EA		3-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow .....	58.37	12.68
				<i>For Work In Restricted Working Space, Add</i>	9.50	
				<i>For Elevated Installation &gt;10' To 15', Add</i>	3.17	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	6.34	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	7.92	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	11.09	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	12.67	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	15.84	
				<i>For Elevated Installation &gt;40', Add</i>	17.42	
26 05 33	13-0620	EA		4" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	122.86	34.63
				<i>For Work In Restricted Working Space, Add</i>	25.97	
				<i>For Elevated Installation &gt;10' To 15', Add</i>	8.66	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	17.32	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	21.65	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	30.30	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	34.63	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	43.29	
				<i>For Elevated Installation &gt;40', Add</i>	47.62	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0621			<b>Electrical Metallic Tubing (EMT) 45 Degree Elbows</b> <small>(26 05 33 13-0598)</small>		
			See CSI section 26 05 33 13-2245 for conduit field bending.		
26 05 33 13-0622	EA		1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	12.85	4.35
			For Work In Restricted Working Space, Add	3.27	
			For Elevated Installation >10' To 15', Add	1.09	
			For Elevated Installation >15' To 20', Add	2.18	
			For Elevated Installation >20' To 25', Add	2.72	
			For Elevated Installation >25' To 30', Add	3.81	
			For Elevated Installation >30' To 35', Add	4.36	
			For Elevated Installation >35' To 40', Add	5.45	
			For Elevated Installation >40', Add	5.99	
26 05 33 13-0623	EA		3/4" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	13.97	4.75
			For Work In Restricted Working Space, Add	3.56	
			For Elevated Installation >10' To 15', Add	1.19	
			For Elevated Installation >15' To 20', Add	2.38	
			For Elevated Installation >20' To 25', Add	2.97	
			For Elevated Installation >25' To 30', Add	4.16	
			For Elevated Installation >30' To 35', Add	4.75	
			For Elevated Installation >35' To 40', Add	5.94	
			For Elevated Installation >40', Add	6.53	
26 05 33 13-0624	EA		1" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	17.23	5.55
			For Work In Restricted Working Space, Add	4.16	
			For Elevated Installation >10' To 15', Add	1.39	
			For Elevated Installation >15' To 20', Add	2.77	
			For Elevated Installation >20' To 25', Add	3.47	
			For Elevated Installation >25' To 30', Add	4.85	
			For Elevated Installation >30' To 35', Add	5.54	
			For Elevated Installation >35' To 40', Add	6.93	
			For Elevated Installation >40', Add	7.62	
26 05 33 13-0625	EA		1-1/4" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	19.24	5.94
			For Work In Restricted Working Space, Add	4.46	
			For Elevated Installation >10' To 15', Add	1.49	
			For Elevated Installation >15' To 20', Add	2.97	
			For Elevated Installation >20' To 25', Add	3.71	
			For Elevated Installation >25' To 30', Add	5.20	
			For Elevated Installation >30' To 35', Add	5.94	
			For Elevated Installation >35' To 40', Add	7.43	
			For Elevated Installation >40', Add	8.17	
26 05 33 13-0626	EA		1-1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	22.84	7.13
			For Work In Restricted Working Space, Add	5.35	
			For Elevated Installation >10' To 15', Add	1.78	
			For Elevated Installation >15' To 20', Add	3.56	
			For Elevated Installation >20' To 25', Add	4.46	
			For Elevated Installation >25' To 30', Add	6.24	
			For Elevated Installation >30' To 35', Add	7.13	
			For Elevated Installation >35' To 40', Add	8.91	
			For Elevated Installation >40', Add	9.80	
26 05 33 13-0627	EA		2" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	28.86	9.11
			For Work In Restricted Working Space, Add	6.83	
			For Elevated Installation >10' To 15', Add	2.28	
			For Elevated Installation >15' To 20', Add	4.55	
			For Elevated Installation >20' To 25', Add	5.69	
			For Elevated Installation >25' To 30', Add	7.97	
			For Elevated Installation >30' To 35', Add	9.11	
			For Elevated Installation >35' To 40', Add	11.39	
			For Elevated Installation >40', Add	12.52	
26 05 33 13-0628	EA		2-1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	41.85	10.30
			For Work In Restricted Working Space, Add	7.72	
			For Elevated Installation >10' To 15', Add	2.57	
			For Elevated Installation >15' To 20', Add	5.15	
			For Elevated Installation >20' To 25', Add	6.44	
			For Elevated Installation >25' To 30', Add	9.01	
			For Elevated Installation >30' To 35', Add	10.30	
			For Elevated Installation >35' To 40', Add	12.87	
			For Elevated Installation >40', Add	14.16	
26 05 33 13-0629	EA		3" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	52.97	11.48
			For Work In Restricted Working Space, Add	8.61	
			For Elevated Installation >10' To 15', Add	2.87	
			For Elevated Installation >15' To 20', Add	5.74	
			For Elevated Installation >20' To 25', Add	7.18	
			For Elevated Installation >25' To 30', Add	10.05	
			For Elevated Installation >30' To 35', Add	11.48	
			For Elevated Installation >35' To 40', Add	14.36	
			For Elevated Installation >40', Add	15.79	
26 05 33 13-0630	EA		3-1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	62.98	12.68
			For Work In Restricted Working Space, Add	9.50	
			For Elevated Installation >10' To 15', Add	3.17	
			For Elevated Installation >15' To 20', Add	6.34	
			For Elevated Installation >20' To 25', Add	7.92	
			For Elevated Installation >25' To 30', Add	11.09	
			For Elevated Installation >30' To 35', Add	12.67	
			For Elevated Installation >35' To 40', Add	15.84	
			For Elevated Installation >40', Add	17.42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-0631	EA	4" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	119.63	34.63	
		<i>For Work In Restricted Working Space, Add</i>	25.97		
		<i>For Elevated Installation &gt;10' To 15', Add</i>	8.66		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	17.32		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	21.65		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	30.30		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	34.63		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	43.29		
		<i>For Elevated Installation &gt;40', Add</i>	47.62		

**26 05 33 13-0632 Electrical Metallic Tubing (EMT) Set Screw Couplings** (26 05 33 13-0598)

26 05 33 13-0633	EA	1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	5.20	2.38	
		<i>For Work In Restricted Working Space, Add</i>	1.49		
		<i>For Elevated Installation &gt;10' To 15', Add</i>	0.50		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	0.99		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	1.24		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	1.73		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	1.98		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	2.48		
		<i>For Elevated Installation &gt;40', Add</i>	2.72		
26 05 33 13-0634	EA	3/4" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	6.31	2.38	
		<i>For Work In Restricted Working Space, Add</i>	1.78		
		<i>For Elevated Installation &gt;10' To 15', Add</i>	0.59		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	1.19		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	1.49		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	2.08		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	2.38		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	2.97		
		<i>For Elevated Installation &gt;40', Add</i>	3.27		
26 05 33 13-0635	EA	1" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	7.49	2.77	
		<i>For Work In Restricted Working Space, Add</i>	2.08		
		<i>For Elevated Installation &gt;10' To 15', Add</i>	0.69		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	1.39		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	1.73		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	2.43		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	2.77		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	3.47		
		<i>For Elevated Installation &gt;40', Add</i>	3.81		
26 05 33 13-0636	EA	1-1/4" Electrical Metallic Tubing (EMT) Set Screw Coupling .....	10.14	3.56	
		<i>For Work In Restricted Working Space, Add</i>	2.67		
		<i>For Elevated Installation &gt;10' To 15', Add</i>	0.89		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	1.78		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	2.23		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	3.12		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	3.56		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	4.46		
		<i>For Elevated Installation &gt;40', Add</i>	4.90		
26 05 33 13-0637	EA	1-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling .....	12.52	4.35	
		<i>For Work In Restricted Working Space, Add</i>	3.27		
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.09		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	2.18		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	2.72		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	3.81		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	4.36		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	5.45		
		<i>For Elevated Installation &gt;40', Add</i>	5.99		
26 05 33 13-0638	EA	2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	17.02	5.94	
		<i>For Work In Restricted Working Space, Add</i>	4.46		
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.49		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	2.97		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	3.71		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	5.20		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	5.94		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	7.43		
		<i>For Elevated Installation &gt;40', Add</i>	8.17		
26 05 33 13-0639	EA	2-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling .....	23.61	7.92	
		<i>For Work In Restricted Working Space, Add</i>	5.94		
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.98		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	3.96		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	4.95		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	6.93		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	7.92		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	9.91		
		<i>For Elevated Installation &gt;40', Add</i>	10.90		
26 05 33 13-0640	EA	3" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	30.65	9.11	
		<i>For Work In Restricted Working Space, Add</i>	7.43		
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.48		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	4.95		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	6.19		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	8.66		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	9.90		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	12.38		
		<i>For Elevated Installation &gt;40', Add</i>	13.61		

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 05 33 13-0641	EA	3-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	34.38	9.90
		<i>For Work In Restricted Working Space, Add</i>	8.91	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.97	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	5.94	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	7.43	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	10.40	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	11.88	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	14.85	
		<i>For Elevated Installation &gt;40', Add</i>	16.34	
26 05 33 13-0642	EA	4" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	101.22	28.69
		<i>For Work In Restricted Working Space, Add</i>	27.87	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	9.29	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	18.58	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	23.22	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	32.51	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	37.16	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	46.45	
		<i>For Elevated Installation &gt;40', Add</i>	51.09	
<b>26 05 33 13-0643</b>		<b>Electrical Metallic Tubing (EMT) Compression Couplings</b> <small>(26 05 33 13-0598)</small>		
26 05 33 13-0644	EA	1/2 Electrical Metallic Tubing (EMT) Compression Coupling.....	6.56	2.38
		<i>For Work In Restricted Working Space, Add</i>	1.78	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	0.59	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	1.19	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	1.49	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	2.08	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	2.38	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	2.97	
		<i>For Elevated Installation &gt;40', Add</i>	3.27	
26 05 33 13-0645	EA	3/4" Electrical Metallic Tubing (EMT) Compression Coupling.....	7.62	2.77
		<i>For Work In Restricted Working Space, Add</i>	2.08	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	0.69	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	1.39	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	1.73	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	2.43	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	2.77	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	3.47	
		<i>For Elevated Installation &gt;40', Add</i>	3.81	
26 05 33 13-0646	EA	1" Electrical Metallic Tubing (EMT) Compression Coupling.....	10.85	3.96
		<i>For Work In Restricted Working Space, Add</i>	2.97	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	0.99	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	1.98	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	2.48	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	3.47	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	3.96	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	4.95	
		<i>For Elevated Installation &gt;40', Add</i>	5.45	
26 05 33 13-0647	EA	1-1/4" Electrical Metallic Tubing (EMT) Compression Coupling.....	13.87	4.75
		<i>For Work In Restricted Working Space, Add</i>	3.56	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.19	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	2.38	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	2.97	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	4.16	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	4.75	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	5.94	
		<i>For Elevated Installation &gt;40', Add</i>	6.53	
26 05 33 13-0648	EA	1-1/2" Electrical Metallic Tubing (EMT) Compression Coupling.....	16.67	5.55
		<i>For Work In Restricted Working Space, Add</i>	4.16	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.39	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	2.77	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	3.47	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	4.85	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	5.54	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	6.93	
		<i>For Elevated Installation &gt;40', Add</i>	7.62	
26 05 33 13-0649	EA	2" Electrical Metallic Tubing (EMT) Compression Coupling.....	22.23	7.13
		<i>For Work In Restricted Working Space, Add</i>	5.35	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.78	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	3.56	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	4.46	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	6.24	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	7.13	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	8.91	
		<i>For Elevated Installation &gt;40', Add</i>	9.80	
26 05 33 13-0650	EA	2-1/2" Electrical Metallic Tubing (EMT) Compression Coupling.....	35.29	9.51
		<i>For Work In Restricted Working Space, Add</i>	7.13	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.38	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	4.75	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	5.94	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	8.32	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	9.50	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	11.88	
		<i>For Elevated Installation &gt;40', Add</i>	13.07	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0651	EA		3" Electrical Metallic Tubing (EMT) Compression Coupling.....	40.83	11.09
				<i>For Work In Restricted Working Space, Add</i>	8.32	
				<i>For Elevated Installation &gt;10' To 15', Add</i>	2.77	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	5.54	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	6.93	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	9.70	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	11.09	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	13.86	
				<i>For Elevated Installation &gt;40', Add</i>	15.25	
26 05 33	13-0652	EA		3-1/2" Electrical Metallic Tubing (EMT) Compression Coupling.....	51.05	13.86
				<i>For Work In Restricted Working Space, Add</i>	10.40	
				<i>For Elevated Installation &gt;10' To 15', Add</i>	3.47	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	6.93	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	8.66	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	12.13	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	13.86	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	17.33	
				<i>For Elevated Installation &gt;40', Add</i>	19.06	
26 05 33	13-0653	EA		4" Electrical Metallic Tubing (EMT) Compression Coupling.....	65.47	17.82
				<i>For Work In Restricted Working Space, Add</i>	13.37	
				<i>For Elevated Installation &gt;10' To 15', Add</i>	4.46	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	8.91	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	11.14	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	15.60	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	17.82	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	22.28	
				<i>For Elevated Installation &gt;40', Add</i>	24.51	
26 05 33	13-0654	<b>Electrical Metallic Tubing (EMT) Straight Box Connectors With Set Screw <small>(26 05 33 13-0598)</small></b>				
26 05 33	13-0655	EA		1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	5.15	1.98
				<i>For Work In Restricted Working Space, Add</i>	1.49	
				<i>For Elevated Installation &gt;10' To 15', Add</i>	0.50	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	0.99	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	1.24	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	1.73	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	1.98	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	2.48	
				<i>For Elevated Installation &gt;40', Add</i>	2.72	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.49	
26 05 33	13-0656	EA		3/4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	6.26	2.38
				<i>For Work In Restricted Working Space, Add</i>	1.78	
				<i>For Elevated Installation &gt;10' To 15', Add</i>	0.59	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	1.19	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	1.49	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	2.08	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	2.38	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	2.97	
				<i>For Elevated Installation &gt;40', Add</i>	3.27	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.78	
26 05 33	13-0657	EA		1" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	7.49	2.77
				<i>For Work In Restricted Working Space, Add</i>	2.08	
				<i>For Elevated Installation &gt;10' To 15', Add</i>	0.69	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	1.39	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	1.73	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	2.43	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	2.77	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	3.47	
				<i>For Elevated Installation &gt;40', Add</i>	3.81	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.08	
26 05 33	13-0658	EA		1-1/4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	10.94	3.96
				<i>For Work In Restricted Working Space, Add</i>	2.97	
				<i>For Elevated Installation &gt;10' To 15', Add</i>	0.99	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	1.98	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	2.48	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	3.47	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	3.96	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	4.95	
				<i>For Elevated Installation &gt;40', Add</i>	5.45	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.97	
26 05 33	13-0659	EA		1-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	13.39	4.75
				<i>For Work In Restricted Working Space, Add</i>	3.56	
				<i>For Elevated Installation &gt;10' To 15', Add</i>	1.19	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	2.38	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	2.97	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	4.16	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	4.75	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	5.94	
				<i>For Elevated Installation &gt;40', Add</i>	6.53	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.56	
26 05 33	13-0660	EA		2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	17.09	5.94
				<i>For Work In Restricted Working Space, Add</i>	4.46	
				<i>For Elevated Installation &gt;10' To 15', Add</i>	1.49	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	2.97	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	3.71	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	5.20	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	5.94	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	7.43	
				<i>For Elevated Installation &gt;40', Add</i>	8.17	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.46	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 33 13-0661	EA	2-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	26.03	7.92
		<i>For Work In Restricted Working Space, Add</i>	5.94	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.98	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	3.96	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	4.95	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	6.93	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	7.92	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	9.90	
		<i>For Elevated Installation &gt;40', Add</i>	10.89	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.94	
26 05 33 13-0662	EA	3" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	32.37	9.90
		<i>For Work In Restricted Working Space, Add</i>	7.43	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.48	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	4.95	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	6.19	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	8.66	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	9.90	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	12.38	
		<i>For Elevated Installation &gt;40', Add</i>	13.61	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.43	
26 05 33 13-0663	EA	3-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	38.26	11.88
		<i>For Work In Restricted Working Space, Add</i>	8.91	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.97	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	5.94	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	7.43	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	10.40	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	11.88	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	14.85	
		<i>For Elevated Installation &gt;40', Add</i>	16.34	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.91	
26 05 33 13-0664	EA	4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	44.56	13.86
		<i>For Work In Restricted Working Space, Add</i>	10.40	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.47	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	6.93	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	8.66	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	12.13	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	13.86	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	17.33	
		<i>For Elevated Installation &gt;40', Add</i>	19.06	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.40	

**26 05 33 13-0665 Electrical Metallic Tubing (EMT) Insulated Straight Box Connectors With Set Screw** (26 05 33 13-0598)

26 05 33 13-0666	EA	1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw .....	6.96	2.68
		<i>For Work In Restricted Working Space, Add</i>	1.99	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	0.66	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	1.33	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	1.66	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	2.32	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	2.65	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	3.32	
		<i>For Elevated Installation &gt;40', Add</i>	3.65	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.99	
26 05 33 13-0667	EA	3/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw .....	7.76	2.87
		<i>For Work In Restricted Working Space, Add</i>	2.17	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	0.72	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	1.45	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	1.81	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	2.53	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	2.89	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	3.62	
		<i>For Elevated Installation &gt;40', Add</i>	3.98	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.17	
26 05 33 13-0668	EA	1" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw .....	9.76	3.56
		<i>For Work In Restricted Working Space, Add</i>	2.64	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	0.88	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	1.76	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	2.20	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	3.08	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	3.52	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	4.41	
		<i>For Elevated Installation &gt;40', Add</i>	4.85	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.64	
26 05 33 13-0669	EA	1-1/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw .....	12.86	4.55
		<i>For Work In Restricted Working Space, Add</i>	3.38	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.13	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	2.26	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	2.82	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	3.95	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	4.51	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	5.64	
		<i>For Elevated Installation &gt;40', Add</i>	6.20	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.38	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-0670	EA 1-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.27 3.95 1.32 2.63 3.29 4.61 5.27 6.59 7.24 3.95	5.24
26 05 33 13-0671	EA 2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.72 4.75 1.58 3.17 3.96 5.54 6.34 7.92 8.71 4.75	6.34
26 05 33 13-0672	EA 2-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.42 6.59 2.20 4.40 5.50 7.69 8.79 10.99 12.09 6.59	8.81
26 05 33 13-0673	EA 3" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.58 8.79 2.93 5.86 7.33 10.26 11.72 14.65 16.12 8.79	11.68
26 05 33 13-0674	EA 3-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.83 11.32 3.77 7.54 9.43 13.20 15.09 18.86 20.75 11.32	15.05
26 05 33 13-0675	EA 4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	65.02 14.85 4.95 9.90 12.38 17.33 19.80 24.75 27.23 14.85	19.80
26 05 33 13-0676	<b>Electrical Metallic Tubing (EMT) Straight Box Compression Connectors</b> <small>(26 05 33 13-0598)</small>		
26 05 33 13-0677	EA 1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.26 1.78 0.59 1.19 1.49 2.08 2.38 2.97 3.27 1.78	2.38
26 05 33 13-0678	EA 3/4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.42 2.08 0.69 1.39 1.73 2.43 2.77 3.47 3.81 2.08	2.77

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 33 13-0679	EA	1" Electrical Metallic Tubing (EMT) Straight Box Compression Connector .....	10.60	3.96
		<i>For Work In Restricted Working Space, Add</i>	2.97	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	0.99	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	1.98	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	2.48	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	3.47	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	3.96	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	4.95	
		<i>For Elevated Installation &gt;40', Add</i>	5.45	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.97	
26 05 33 13-0680	EA	1-1/4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector .....	13.19	4.75
		<i>For Work In Restricted Working Space, Add</i>	3.56	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.19	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	2.38	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	2.97	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	4.16	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	4.75	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	5.94	
		<i>For Elevated Installation &gt;40', Add</i>	6.53	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.56	
26 05 33 13-0681	EA	1-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector .....	15.71	5.55
		<i>For Work In Restricted Working Space, Add</i>	4.16	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.39	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	2.77	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	3.47	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	4.85	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	5.54	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	6.93	
		<i>For Elevated Installation &gt;40', Add</i>	7.62	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.16	
26 05 33 13-0682	EA	2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector .....	20.50	7.13
		<i>For Work In Restricted Working Space, Add</i>	5.35	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.78	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	3.56	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	4.46	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	6.24	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	7.13	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	8.91	
		<i>For Elevated Installation &gt;40', Add</i>	9.80	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.35	
26 05 33 13-0683	EA	2-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector .....	31.83	9.51
		<i>For Work In Restricted Working Space, Add</i>	7.13	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.38	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	4.75	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	5.94	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	8.32	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	9.50	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	11.88	
		<i>For Elevated Installation &gt;40', Add</i>	13.07	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.13	
26 05 33 13-0684	EA	3" Electrical Metallic Tubing (EMT) Straight Box Compression Connector .....	40.25	11.88
		<i>For Work In Restricted Working Space, Add</i>	8.91	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.97	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	5.94	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	7.43	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	10.40	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	11.88	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	14.85	
		<i>For Elevated Installation &gt;40', Add</i>	16.34	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.91	
26 05 33 13-0685	EA	3-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector .....	50.91	13.86
		<i>For Work In Restricted Working Space, Add</i>	10.40	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.47	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	6.93	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	8.66	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	12.13	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	13.86	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	17.33	
		<i>For Elevated Installation &gt;40', Add</i>	19.06	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.40	
26 05 33 13-0686	EA	4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector .....	57.23	15.84
		<i>For Work In Restricted Working Space, Add</i>	11.88	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.96	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	7.92	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	9.90	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	13.86	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	15.84	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	19.80	
		<i>For Elevated Installation &gt;40', Add</i>	21.78	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.88	

26 05 33 13-0687 Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connectors (26 05 33 13-0598)

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0688 EA 1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	7.18	2.68
For Work In Restricted Working Space, Add	1.99	
For Elevated Installation >10' To 15', Add	0.66	
For Elevated Installation >15' To 20', Add	1.33	
For Elevated Installation >20' To 25', Add	1.66	
For Elevated Installation >25' To 30', Add	2.32	
For Elevated Installation >30' To 35', Add	2.65	
For Elevated Installation >35' To 40', Add	3.32	
For Elevated Installation >40', Add	3.65	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.99	
26 05 33 13-0689 EA 3/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	8.00	2.87
For Work In Restricted Working Space, Add	2.17	
For Elevated Installation >10' To 15', Add	0.72	
For Elevated Installation >15' To 20', Add	1.45	
For Elevated Installation >20' To 25', Add	1.81	
For Elevated Installation >25' To 30', Add	2.53	
For Elevated Installation >30' To 35', Add	2.89	
For Elevated Installation >35' To 40', Add	3.62	
For Elevated Installation >40', Add	3.98	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.17	
26 05 33 13-0690 EA 1" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	9.95	3.56
For Work In Restricted Working Space, Add	2.64	
For Elevated Installation >10' To 15', Add	0.88	
For Elevated Installation >15' To 20', Add	1.76	
For Elevated Installation >20' To 25', Add	2.20	
For Elevated Installation >25' To 30', Add	3.08	
For Elevated Installation >30' To 35', Add	3.52	
For Elevated Installation >35' To 40', Add	4.41	
For Elevated Installation >40', Add	4.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.64	
26 05 33 13-0691 EA 1-1/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector .....	13.41	4.55
For Work In Restricted Working Space, Add	3.38	
For Elevated Installation >10' To 15', Add	1.13	
For Elevated Installation >15' To 20', Add	2.26	
For Elevated Installation >20' To 25', Add	2.82	
For Elevated Installation >25' To 30', Add	3.95	
For Elevated Installation >30' To 35', Add	4.51	
For Elevated Installation >35' To 40', Add	5.64	
For Elevated Installation >40', Add	6.20	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.38	
26 05 33 13-0692 EA 1-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector .....	16.19	5.24
For Work In Restricted Working Space, Add	3.95	
For Elevated Installation >10' To 15', Add	1.32	
For Elevated Installation >15' To 20', Add	2.63	
For Elevated Installation >20' To 25', Add	3.29	
For Elevated Installation >25' To 30', Add	4.61	
For Elevated Installation >30' To 35', Add	5.27	
For Elevated Installation >35' To 40', Add	6.59	
For Elevated Installation >40', Add	7.24	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.95	
26 05 33 13-0693 EA 2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	20.06	6.34
For Work In Restricted Working Space, Add	4.75	
For Elevated Installation >10' To 15', Add	1.58	
For Elevated Installation >15' To 20', Add	3.17	
For Elevated Installation >20' To 25', Add	3.96	
For Elevated Installation >25' To 30', Add	5.54	
For Elevated Installation >30' To 35', Add	6.34	
For Elevated Installation >35' To 40', Add	7.92	
For Elevated Installation >40', Add	8.71	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.75	
26 05 33 13-0694 EA 2-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector .....	36.28	8.81
For Work In Restricted Working Space, Add	6.59	
For Elevated Installation >10' To 15', Add	2.20	
For Elevated Installation >15' To 20', Add	4.40	
For Elevated Installation >20' To 25', Add	5.50	
For Elevated Installation >25' To 30', Add	7.69	
For Elevated Installation >30' To 35', Add	8.79	
For Elevated Installation >35' To 40', Add	10.99	
For Elevated Installation >40', Add	12.09	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.59	
26 05 33 13-0695 EA 3" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	48.76	11.68
For Work In Restricted Working Space, Add	8.79	
For Elevated Installation >10' To 15', Add	2.93	
For Elevated Installation >15' To 20', Add	5.86	
For Elevated Installation >20' To 25', Add	7.33	
For Elevated Installation >25' To 30', Add	10.26	
For Elevated Installation >30' To 35', Add	11.72	
For Elevated Installation >35' To 40', Add	14.65	
For Elevated Installation >40', Add	16.12	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.79	
26 05 33 13-0696 EA 3-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector .....	66.16	15.05
For Work In Restricted Working Space, Add	11.32	
For Elevated Installation >10' To 15', Add	3.77	
For Elevated Installation >15' To 20', Add	7.54	
For Elevated Installation >20' To 25', Add	9.43	
For Elevated Installation >25' To 30', Add	13.20	
For Elevated Installation >30' To 35', Add	15.09	
For Elevated Installation >35' To 40', Add	18.86	
For Elevated Installation >40', Add	20.75	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.32	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 33 13-0697	EA	4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	82.76	19.80
		<i>For Work In Restricted Working Space, Add</i>	14.85	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	4.95	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	9.90	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	12.38	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	17.33	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	19.80	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	24.75	
		<i>For Elevated Installation &gt;40', Add</i>	27.23	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.85	

**26 05 33 13-0698 Electrical Metallic Tubing (EMT) Expansion Coupling (26 05 33 13-0598)**

Note: Excludes jumper.

26 05 33 13-0699	EA	1/2" Electrical Metallic Tubing (EMT) Expansion Coupling .....	55.51	13.17
		<i>For Work In Restricted Working Space, Add</i>	9.89	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.30	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	6.59	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	8.24	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	11.53	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	13.18	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	16.48	
		<i>For Elevated Installation &gt;40', Add</i>	18.12	
26 05 33 13-0700	EA	3/4" Electrical Metallic Tubing (EMT) Expansion Coupling .....	66.85	15.94
		<i>For Work In Restricted Working Space, Add</i>	11.98	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.99	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	7.99	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	9.99	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	13.98	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	15.98	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	19.97	
		<i>For Elevated Installation &gt;40', Add</i>	21.97	
26 05 33 13-0701	EA	1" Electrical Metallic Tubing (EMT) Expansion Coupling .....	82.05	20.00
		<i>For Work In Restricted Working Space, Add</i>	14.98	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	4.99	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	9.98	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	12.48	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	17.47	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	19.97	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	24.96	
		<i>For Elevated Installation &gt;40', Add</i>	27.46	
26 05 33 13-0702	EA	1-1/4" Electrical Metallic Tubing (EMT) Expansion Coupling .....	106.42	24.55
		<i>For Work In Restricted Working Space, Add</i>	18.42	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	6.14	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	12.28	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	15.35	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	21.49	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	24.56	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	30.71	
		<i>For Elevated Installation &gt;40', Add</i>	33.78	
26 05 33 13-0703	EA	1-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling .....	132.67	28.81
		<i>For Work In Restricted Working Space, Add</i>	21.61	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	7.20	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	14.40	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	18.01	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	25.21	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	28.81	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	36.01	
		<i>For Elevated Installation &gt;40', Add</i>	39.61	
26 05 33 13-0704	EA	2" Electrical Metallic Tubing (EMT) Expansion Coupling .....	166.58	35.05
		<i>For Work In Restricted Working Space, Add</i>	26.31	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	8.77	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	17.54	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	21.93	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	30.70	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	35.08	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	43.86	
		<i>For Elevated Installation &gt;40', Add</i>	48.24	
26 05 33 13-0705	EA	2-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling .....	323.77	45.05
		<i>For Work In Restricted Working Space, Add</i>	33.80	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	11.27	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	22.53	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	28.16	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	39.43	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	45.06	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	56.33	
		<i>For Elevated Installation &gt;40', Add</i>	61.96	
26 05 33 13-0706	EA	3" Electrical Metallic Tubing (EMT) Expansion Coupling .....	396.62	52.67
		<i>For Work In Restricted Working Space, Add</i>	39.51	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	13.17	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	26.34	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	32.93	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	46.10	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	52.68	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	65.86	
		<i>For Elevated Installation &gt;40', Add</i>	72.44	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-0707	EA	3-1/2"	Electrical Metallic Tubing (EMT) Expansion Coupling	489.04	57.42
			<i>For Work In Restricted Working Space, Add</i>	43.08	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	14.36	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	28.72	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	35.90	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	50.26	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	57.44	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	71.80	
			<i>For Elevated Installation &gt;40', Add</i>	78.98	
26 05 33 13-0708	EA	4"	Electrical Metallic Tubing (EMT) Expansion Coupling	529.00	63.36
			<i>For Work In Restricted Working Space, Add</i>	47.54	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	15.85	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	31.69	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	39.62	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	55.46	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	63.38	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	79.23	
			<i>For Elevated Installation &gt;40', Add</i>	87.15	

**26 05 33 13-0709 Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapters**

26 05 33 13-0710	EA	1/2" To 3/8"	Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	10.15	3.56
			<i>For Work In Restricted Working Space, Add</i>	2.64	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.88	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.76	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.20	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	3.08	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	3.52	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	4.40	
			<i>For Elevated Installation &gt;40', Add</i>	4.83	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.64	
26 05 33 13-0711	EA	1/2"	Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	10.89	3.56
			<i>For Work In Restricted Working Space, Add</i>	2.64	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.88	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.76	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.20	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	3.08	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	3.52	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	4.40	
			<i>For Elevated Installation &gt;40', Add</i>	4.83	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.64	
26 05 33 13-0712	EA	3/4"	Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	12.18	3.86
			<i>For Work In Restricted Working Space, Add</i>	2.93	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.98	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.95	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.44	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	3.42	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	3.91	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	4.89	
			<i>For Elevated Installation &gt;40', Add</i>	5.37	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.93	
26 05 33 13-0713	EA	1"	Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	14.21	4.45
			<i>For Work In Restricted Working Space, Add</i>	3.34	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.11	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.22	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.78	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	3.89	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	4.45	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	5.56	
			<i>For Elevated Installation &gt;40', Add</i>	6.12	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.34	
26 05 33 13-0714	EA	1-1/4"	Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	20.45	5.35
			<i>For Work In Restricted Working Space, Add</i>	4.04	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.35	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.69	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.36	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.71	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.38	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	6.73	
			<i>For Elevated Installation &gt;40', Add</i>	7.40	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.04	
26 05 33 13-0715	EA	1-1/2"	Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	25.10	6.14
			<i>For Work In Restricted Working Space, Add</i>	4.61	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.54	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.07	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.84	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.38	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.14	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	7.68	
			<i>For Elevated Installation &gt;40', Add</i>	8.45	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.61	
26 05 33 13-0716	EA	2"	Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	32.79	7.72
			<i>For Work In Restricted Working Space, Add</i>	5.76	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.92	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.84	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.80	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	6.72	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	7.68	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	9.60	
			<i>For Elevated Installation &gt;40', Add</i>	10.56	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.76	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0717			<b>Electrical Metallic Tubing (EMT) Pulling Elbows</b> (26 05 33 13-0598)		
26 05 33 13-0718	EA		1/2" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws .....21.36	21.36	8.92
			For Work In Restricted Working Space, Add	5.35	
			For Elevated Installation >15' To 20', Add	3.56	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.35	
26 05 33 13-0719	EA		3/4" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws .....24.89	24.89	10.40
			For Work In Restricted Working Space, Add	6.24	
			For Elevated Installation >15' To 20', Add	4.16	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.24	
26 05 33 13-0720	EA		1" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws .....31.09	31.09	11.88
			For Work In Restricted Working Space, Add	7.13	
			For Elevated Installation >15' To 20', Add	4.75	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.13	
26 05 33 13-0721	EA		1-1/4" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws .....39.78	39.78	14.85
			For Work In Restricted Working Space, Add	8.91	
			For Elevated Installation >15' To 20', Add	5.94	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.91	
26 05 33 13-0722			<b>Intermediate Metal Conduit (IMC)</b> (26 05 33 13-0058)		
			Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0723			<b>Intermediate Metal Conduit (IMC) Conduit</b> (26 05 33 13-0722)		
			Note: Includes field bending conduit up to 1".		
26 05 33 13-0724	LF		1/2" Intermediate Metal Conduit (IMC) Conduit .....7.64	7.64	1.98
			For Elevated Installation >10' To 15', Add	0.51	
			For Elevated Installation >15' To 20', Add	1.03	
			For Elevated Installation >20' To 25', Add	1.29	
			For Elevated Installation >25' To 30', Add	1.80	
			For Elevated Installation >30' To 35', Add	2.06	
			For Elevated Installation >35' To 40', Add	2.57	
			For Elevated Installation >40', Add	2.83	
			For Work In Restricted Working Space, Add	1.54	
			For >250 To 500, Deduct	-0.13	
			For >500 To 1,000, Deduct	-0.19	
			For >1,000, Deduct	-0.25	
			For Installation In Metal Stud Wall, Add	0.51	
			For Installation In Wood Stud Wall (Includes Drilling), Add	1.29	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.77	
26 05 33 13-0725	LF		3/4" Intermediate Metal Conduit (IMC) Conduit .....9.12	9.12	2.18
			For Elevated Installation >10' To 15', Add	0.61	
			For Elevated Installation >15' To 20', Add	1.23	
			For Elevated Installation >20' To 25', Add	1.54	
			For Elevated Installation >25' To 30', Add	2.15	
			For Elevated Installation >30' To 35', Add	2.46	
			For Elevated Installation >35' To 40', Add	3.07	
			For Elevated Installation >40', Add	3.38	
			For Work In Restricted Working Space, Add	1.84	
			For >250 To 500, Deduct	-0.15	
			For >500 To 1,000, Deduct	-0.22	
			For >1,000, Deduct	-0.30	
			For Installation In Metal Stud Wall, Add	0.61	
			For Installation In Wood Stud Wall (Includes Drilling), Add	1.54	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.92	
26 05 33 13-0726	LF		1" Intermediate Metal Conduit (IMC) Conduit .....12.32	12.32	2.38
			For Elevated Installation >10' To 15', Add	0.77	
			For Elevated Installation >15' To 20', Add	1.54	
			For Elevated Installation >20' To 25', Add	1.93	
			For Elevated Installation >25' To 30', Add	2.70	
			For Elevated Installation >30' To 35', Add	3.09	
			For Elevated Installation >35' To 40', Add	3.86	
			For Elevated Installation >40', Add	4.25	
			For Work In Restricted Working Space, Add	2.32	
			For >250 To 500, Deduct	-0.23	
			For >500 To 1,000, Deduct	-0.35	
			For >1,000, Deduct	-0.46	
			For Installation In Metal Stud Wall, Add	0.77	
			For Installation In Wood Stud Wall (Includes Drilling), Add	1.93	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.16	
26 05 33 13-0727	LF		1-1/4" Intermediate Metal Conduit (IMC) Conduit .....14.34	14.34	4.75
			For Elevated Installation >10' To 15', Add	0.85	
			For Elevated Installation >15' To 20', Add	1.70	
			For Elevated Installation >20' To 25', Add	2.13	
			For Elevated Installation >25' To 30', Add	2.98	
			For Elevated Installation >30' To 35', Add	3.40	
			For Elevated Installation >35' To 40', Add	4.26	
			For Elevated Installation >40', Add	4.68	
			For Work In Restricted Working Space, Add	2.55	
			For >250 To 500, Deduct	-0.29	
			For >500 To 1,000, Deduct	-0.44	
			For >1,000, Deduct	-0.58	
			For Installation In Metal Stud Wall, Add	0.85	
			For Installation In Wood Stud Wall (Includes Drilling), Add	2.13	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0728 LF 1-1/2" Intermediate Metal Conduit (IMC) Conduit.....	16.19	3.17
For Elevated Installation >10' To 15', Add	0.93	
For Elevated Installation >15' To 20', Add	1.86	
For Elevated Installation >20' To 25', Add	2.33	
For Elevated Installation >25' To 30', Add	3.26	
For Elevated Installation >30' To 35', Add	3.72	
For Elevated Installation >35' To 40', Add	4.66	
For Elevated Installation >40', Add	5.12	
For Work In Restricted Working Space, Add	2.79	
For >250 To 500, Deduct	-0.34	
For >500 To 1,000, Deduct	-0.52	
For >1,000, Deduct	-0.69	
For Installation In Metal Stub Wall, Add	0.93	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.33	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.40	
26 05 33 13-0729 LF 2" Intermediate Metal Conduit (IMC) Conduit.....	20.61	3.56
For Elevated Installation >10' To 15', Add	1.13	
For Elevated Installation >15' To 20', Add	2.26	
For Elevated Installation >20' To 25', Add	2.82	
For Elevated Installation >25' To 30', Add	3.95	
For Elevated Installation >30' To 35', Add	4.51	
For Elevated Installation >35' To 40', Add	5.64	
For Elevated Installation >40', Add	6.20	
For Work In Restricted Working Space, Add	3.38	
For >250 To 500, Deduct	-0.47	
For >500 To 1,000, Deduct	-0.70	
For >1,000, Deduct	-0.93	
For Installation In Metal Stub Wall, Add	1.13	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.82	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.69	
26 05 33 13-0730 LF 2-1/2" Intermediate Metal Conduit (IMC) Conduit.....	35.63	4.75
For Elevated Installation >10' To 15', Add	1.50	
For Elevated Installation >15' To 20', Add	2.99	
For Elevated Installation >20' To 25', Add	3.74	
For Elevated Installation >25' To 30', Add	5.23	
For Elevated Installation >30' To 35', Add	5.98	
For Elevated Installation >35' To 40', Add	7.48	
For Elevated Installation >40', Add	8.22	
For Work In Restricted Working Space, Add	4.49	
For >250 To 500, Deduct	-1.03	
For >500 To 1,000, Deduct	-1.55	
For >1,000, Deduct	-2.07	
For Installation In Metal Stub Wall, Add	1.50	
For Installation In Wood Stud Wall (Includes Drilling), Add	3.74	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.24	
26 05 33 13-0731 LF 3" Intermediate Metal Conduit (IMC) Conduit.....	45.25	5.94
For Elevated Installation >10' To 15', Add	1.98	
For Elevated Installation >15' To 20', Add	3.96	
For Elevated Installation >20' To 25', Add	4.95	
For Elevated Installation >25' To 30', Add	6.93	
For Elevated Installation >30' To 35', Add	7.92	
For Elevated Installation >35' To 40', Add	9.90	
For Elevated Installation >40', Add	10.89	
For Work In Restricted Working Space, Add	5.94	
For >250 To 500, Deduct	-1.27	
For >500 To 1,000, Deduct	-1.91	
For >1,000, Deduct	-2.55	
For Installation In Metal Stub Wall, Add	1.98	
For Installation In Wood Stud Wall (Includes Drilling), Add	4.95	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.97	
26 05 33 13-0732 LF 3-1/2" Intermediate Metal Conduit (IMC) Conduit.....	52.15	7.13
For Elevated Installation >10' To 15', Add	2.27	
For Elevated Installation >15' To 20', Add	4.53	
For Elevated Installation >20' To 25', Add	5.67	
For Elevated Installation >25' To 30', Add	7.93	
For Elevated Installation >30' To 35', Add	9.07	
For Elevated Installation >35' To 40', Add	11.34	
For Elevated Installation >40', Add	12.47	
For Work In Restricted Working Space, Add	6.80	
For >250 To 500, Deduct	-1.47	
For >500 To 1,000, Deduct	-2.21	
For >1,000, Deduct	-2.95	
For Installation In Metal Stub Wall, Add	2.27	
For Installation In Wood Stud Wall (Includes Drilling), Add	5.67	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	3.40	
26 05 33 13-0733 LF 4" Intermediate Metal Conduit (IMC) Conduit.....	61.14	8.31
For Elevated Installation >10' To 15', Add	2.64	
For Elevated Installation >15' To 20', Add	5.29	
For Elevated Installation >20' To 25', Add	6.61	
For Elevated Installation >25' To 30', Add	9.25	
For Elevated Installation >30' To 35', Add	10.58	
For Elevated Installation >35' To 40', Add	13.22	
For Elevated Installation >40', Add	14.54	
For Work In Restricted Working Space, Add	7.93	
For >250 To 500, Deduct	-1.74	
For >500 To 1,000, Deduct	-2.60	
For >1,000, Deduct	-3.47	
For Installation In Metal Stub Wall, Add	2.64	
For Installation In Wood Stud Wall (Includes Drilling), Add	6.61	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	3.97	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0734		<b>Intermediate Metal Conduit (IMC) 90 Degree Elbows</b> <small>(26 05 33 13-0722)</small>		
			See CSI section 26 05 33 13-2245 for conduit field bending.		
26 05 33	13-0735	EA	1" Intermediate Metal Conduit (IMC) 90 Degree Elbow .....	58.44	14.95
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.73	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.45	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	9.32	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	13.04	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	14.91	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	18.64	
			<i>For Elevated Installation &gt;40', Add</i>	20.50	
			<i>For Work In Restricted Working Space, Add</i>	11.18	
26 05 33	13-0736	EA	1-1/4" Intermediate Metal Conduit (IMC) 90 Degree Elbow .....	72.97	17.33
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.33	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.66	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.82	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	15.15	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	17.31	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	21.64	
			<i>For Elevated Installation &gt;40', Add</i>	23.80	
			<i>For Work In Restricted Working Space, Add</i>	12.98	
26 05 33	13-0737	EA	1-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow .....	87.21	19.90
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.97	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.93	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	12.42	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	17.38	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	19.87	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	24.84	
			<i>For Elevated Installation &gt;40', Add</i>	27.32	
			<i>For Work In Restricted Working Space, Add</i>	14.90	
26 05 33	13-0738	EA	2" Intermediate Metal Conduit (IMC) 90 Degree Elbow .....	108.69	21.88
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.47	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.93	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	13.66	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	19.13	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	21.86	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	27.33	
			<i>For Elevated Installation &gt;40', Add</i>	30.06	
			<i>For Work In Restricted Working Space, Add</i>	16.40	
26 05 33	13-0739	EA	2-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow .....	160.07	27.33
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.83	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	13.66	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	17.08	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	23.91	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	27.32	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	34.16	
			<i>For Elevated Installation &gt;40', Add</i>	37.57	
			<i>For Work In Restricted Working Space, Add</i>	20.49	
26 05 33	13-0740	EA	3" Intermediate Metal Conduit (IMC) 90 Degree Elbow .....	233.53	37.23
			<i>For Elevated Installation &gt;10' To 15', Add</i>	9.31	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	18.61	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	23.26	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	32.57	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	37.22	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	46.53	
			<i>For Elevated Installation &gt;40', Add</i>	51.18	
			<i>For Work In Restricted Working Space, Add</i>	27.92	
26 05 33	13-0741	EA	3-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow .....	352.96	41.98
			<i>For Elevated Installation &gt;10' To 15', Add</i>	10.50	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	20.99	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	26.24	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	36.74	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	41.98	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	52.48	
			<i>For Elevated Installation &gt;40', Add</i>	57.73	
			<i>For Work In Restricted Working Space, Add</i>	31.49	
26 05 33	13-0742	EA	4" Intermediate Metal Conduit (IMC) 90 Degree Elbow .....	424.28	54.66
			<i>For Elevated Installation &gt;10' To 15', Add</i>	13.66	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	27.32	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	34.15	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	47.81	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	54.64	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	68.30	
			<i>For Elevated Installation &gt;40', Add</i>	75.13	
			<i>For Work In Restricted Working Space, Add</i>	40.98	
26 05 33	13-0743		<b>Intermediate Metal Conduit (IMC) Bushing Sets With Locknut</b> <small>(26 05 33 13-0722)</small>		
26 05 33	13-0744	EA	1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	13.80	5.14
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.86	
26 05 33	13-0745	EA	3/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	16.42	0.59
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.46	
26 05 33	13-0746	EA	1" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	21.43	7.52
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
26 05 33	13-0747	EA	1-1/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	26.26	9.11
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.83	
26 05 33	13-0748	EA	1-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	29.73	9.90
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.43	
26 05 33	13-0749	EA	2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	38.90	12.27
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.21	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0750 EA 2-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75.08 14.85	19.80
26 05 33 13-0751 EA 3" Intermediate Metal Conduit (IMC) Bushing Set With Locknut..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.07 20.20	26.93
26 05 33 13-0752 EA 3-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	121.32 24.06	32.08
26 05 33 13-0753 EA 4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	143.92 27.92	37.23
<b>26 05 33 13-0754 Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fittings</b> (26 05 33 13-0722) Note: 3-Piece coupling.		
26 05 33 13-0755 EA 1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.77 3.97 7.93 9.91 13.88 15.86 19.83 21.81 11.90 11.90	15.84
26 05 33 13-0756 EA 3/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53.42 4.43 8.85 11.06 15.49 17.70 22.13 24.34 13.28 13.28	17.72
26 05 33 13-0757 EA 1" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66.97 4.93 9.86 12.32 17.25 19.72 24.65 27.11 14.79 14.79	19.71
26 05 33 13-0758 EA 1-1/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	86.46 5.39 10.79 13.49 18.88 21.58 26.97 29.67 16.18 16.18	21.58
26 05 33 13-0759 EA 1-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	99.84 5.90 11.80 14.76 20.66 23.61 29.51 32.46 17.71 17.71	23.57
26 05 33 13-0760 EA 2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	145.54 6.39 12.78 15.98 22.37 25.56 31.96 35.15 19.17 19.17	25.54
26 05 33 13-0761 EA 2-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	253.82 7.92 15.84 19.80 27.72 31.68 39.60 43.56 23.76 23.76	31.68

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 33 13-0762	EA	3" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	365.29	39.60
		For Elevated Installation >10' To 15', Add	9.90	
		For Elevated Installation >15' To 20', Add	19.80	
		For Elevated Installation >20' To 25', Add	24.75	
		For Elevated Installation >25' To 30', Add	34.65	
		For Elevated Installation >30' To 35', Add	39.60	
		For Elevated Installation >35' To 40', Add	49.50	
		For Elevated Installation >40', Add	54.45	
		For Work In Restricted Working Space, Add	29.70	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.70	
26 05 33 13-0763	EA	3-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	546.66	47.53
		For Elevated Installation >10' To 15', Add	11.89	
		For Elevated Installation >15' To 20', Add	23.77	
		For Elevated Installation >20' To 25', Add	29.71	
		For Elevated Installation >25' To 30', Add	41.60	
		For Elevated Installation >30' To 35', Add	47.54	
		For Elevated Installation >35' To 40', Add	59.43	
		For Elevated Installation >40', Add	65.37	
		For Work In Restricted Working Space, Add	35.66	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.66	
26 05 33 13-0764	EA	4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	635.09	51.49
		For Elevated Installation >10' To 15', Add	12.87	
		For Elevated Installation >15' To 20', Add	25.74	
		For Elevated Installation >20' To 25', Add	32.18	
		For Elevated Installation >25' To 30', Add	45.05	
		For Elevated Installation >30' To 35', Add	51.48	
		For Elevated Installation >35' To 40', Add	64.35	
		For Elevated Installation >40', Add	70.79	
		For Work In Restricted Working Space, Add	38.61	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.61	
<b>26 05 33 13-0765 Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connectors <small>(26 05 33 13-0722)</small></b>				
26 05 33 13-0766	EA	1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	27.55	7.92
		For Elevated Installation >10' To 15', Add	1.98	
		For Elevated Installation >15' To 20', Add	3.96	
		For Elevated Installation >20' To 25', Add	4.95	
		For Elevated Installation >25' To 30', Add	6.93	
		For Elevated Installation >30' To 35', Add	7.92	
		For Elevated Installation >35' To 40', Add	9.90	
		For Elevated Installation >40', Add	10.89	
		For Work In Restricted Working Space, Add	5.94	
26 05 33 13-0767	EA	3/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	30.95	8.71
		For Elevated Installation >10' To 15', Add	2.18	
		For Elevated Installation >15' To 20', Add	4.36	
		For Elevated Installation >20' To 25', Add	5.45	
		For Elevated Installation >25' To 30', Add	7.62	
		For Elevated Installation >30' To 35', Add	8.71	
		For Elevated Installation >35' To 40', Add	10.89	
		For Elevated Installation >40', Add	11.98	
		For Work In Restricted Working Space, Add	6.53	
26 05 33 13-0768	EA	1" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	35.66	9.90
		For Elevated Installation >10' To 15', Add	2.48	
		For Elevated Installation >15' To 20', Add	4.95	
		For Elevated Installation >20' To 25', Add	6.19	
		For Elevated Installation >25' To 30', Add	8.66	
		For Elevated Installation >30' To 35', Add	9.90	
		For Elevated Installation >35' To 40', Add	12.38	
		For Elevated Installation >40', Add	13.61	
		For Work In Restricted Working Space, Add	7.43	
26 05 33 13-0769	EA	1-1/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	41.14	10.69
		For Elevated Installation >10' To 15', Add	2.67	
		For Elevated Installation >15' To 20', Add	5.35	
		For Elevated Installation >20' To 25', Add	6.68	
		For Elevated Installation >25' To 30', Add	9.36	
		For Elevated Installation >30' To 35', Add	10.69	
		For Elevated Installation >35' To 40', Add	13.37	
		For Elevated Installation >40', Add	14.70	
		For Work In Restricted Working Space, Add	8.02	
26 05 33 13-0770	EA	1-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	49.78	11.88
		For Elevated Installation >10' To 15', Add	2.97	
		For Elevated Installation >15' To 20', Add	5.94	
		For Elevated Installation >20' To 25', Add	7.43	
		For Elevated Installation >25' To 30', Add	10.40	
		For Elevated Installation >30' To 35', Add	11.88	
		For Elevated Installation >35' To 40', Add	14.85	
		For Elevated Installation >40', Add	16.34	
		For Work In Restricted Working Space, Add	8.91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-0771 EA 2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	.....62.35 3.27 6.53 8.17 11.43 13.07 16.34 17.97 9.80	13.07
26 05 33 13-0772 EA 2-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	.....87.18 3.96 7.92 9.90 13.86 15.84 19.80 21.78 11.88	15.84
26 05 33 13-0773 EA 3" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	.....107.56 4.95 9.90 12.38 17.33 19.80 24.75 27.23 14.85	19.80
26 05 33 13-0774 EA 3-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	.....129.25 5.94 11.88 14.85 20.79 23.76 29.70 32.67 17.82	23.76
26 05 33 13-0775 EA 4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	.....147.29 6.44 12.87 16.09 22.52 25.74 32.18 35.39 19.31	25.74
<b>26 05 33 13-0776 Intermediate Metal Conduit (IMC) Rain Tight Threaded Hubs <small>(26 05 33 13-0772)</small></b>		
26 05 33 13-0777 EA 1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	.....23.04 1.98 3.96 4.95 6.93 7.92 9.91 10.90 5.94 5.94	7.92
26 05 33 13-0778 EA 3/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	.....29.60 2.48 4.95 6.19 8.66 9.90 12.38 13.61 7.43 7.43	9.90
26 05 33 13-0779 EA 1" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	.....36.86 2.97 5.94 7.43 10.40 11.88 14.85 16.34 8.91 8.91	11.88

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 33 13-0780	EA	1-1/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub .....	44.79	13.86
		For Elevated Installation >10' To 15', Add	3.47	
		For Elevated Installation >15' To 20', Add	6.93	
		For Elevated Installation >20' To 25', Add	8.67	
		For Elevated Installation >25' To 30', Add	12.13	
		For Elevated Installation >30' To 35', Add	13.86	
		For Elevated Installation >35' To 40', Add	17.33	
		For Elevated Installation >40', Add	19.06	
		For Work In Restricted Working Space, Add	10.40	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.40	
26 05 33 13-0781	EA	1-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub .....	52.65	15.84
		For Elevated Installation >10' To 15', Add	3.96	
		For Elevated Installation >15' To 20', Add	7.92	
		For Elevated Installation >20' To 25', Add	9.90	
		For Elevated Installation >25' To 30', Add	13.86	
		For Elevated Installation >30' To 35', Add	15.84	
		For Elevated Installation >35' To 40', Add	19.80	
		For Elevated Installation >40', Add	21.78	
		For Work In Restricted Working Space, Add	11.88	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.88	
26 05 33 13-0782	EA	2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	63.41	17.82
		For Elevated Installation >10' To 15', Add	4.46	
		For Elevated Installation >15' To 20', Add	8.91	
		For Elevated Installation >20' To 25', Add	11.14	
		For Elevated Installation >25' To 30', Add	15.59	
		For Elevated Installation >30' To 35', Add	17.82	
		For Elevated Installation >35' To 40', Add	22.28	
		For Elevated Installation >40', Add	24.50	
		For Work In Restricted Working Space, Add	13.37	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.37	
26 05 33 13-0783	EA	2-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub .....	81.11	19.80
		For Elevated Installation >10' To 15', Add	4.95	
		For Elevated Installation >15' To 20', Add	9.90	
		For Elevated Installation >20' To 25', Add	12.38	
		For Elevated Installation >25' To 30', Add	17.33	
		For Elevated Installation >30' To 35', Add	19.80	
		For Elevated Installation >35' To 40', Add	24.75	
		For Elevated Installation >40', Add	27.23	
		For Work In Restricted Working Space, Add	14.85	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.85	
26 05 33 13-0784	EA	3" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	97.01	21.78
		For Elevated Installation >10' To 15', Add	5.45	
		For Elevated Installation >15' To 20', Add	10.89	
		For Elevated Installation >20' To 25', Add	13.61	
		For Elevated Installation >25' To 30', Add	19.06	
		For Elevated Installation >30' To 35', Add	21.78	
		For Elevated Installation >35' To 40', Add	27.23	
		For Elevated Installation >40', Add	29.95	
		For Work In Restricted Working Space, Add	16.34	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.34	
26 05 33 13-0785	EA	3-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub .....	119.53	25.74
		For Elevated Installation >10' To 15', Add	6.44	
		For Elevated Installation >15' To 20', Add	12.87	
		For Elevated Installation >20' To 25', Add	16.09	
		For Elevated Installation >25' To 30', Add	22.52	
		For Elevated Installation >30' To 35', Add	25.74	
		For Elevated Installation >35' To 40', Add	32.18	
		For Elevated Installation >40', Add	35.39	
		For Work In Restricted Working Space, Add	19.31	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.31	
26 05 33 13-0786	EA	4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	138.93	27.72
		For Elevated Installation >10' To 15', Add	6.93	
		For Elevated Installation >15' To 20', Add	13.86	
		For Elevated Installation >20' To 25', Add	17.33	
		For Elevated Installation >25' To 30', Add	24.26	
		For Elevated Installation >30' To 35', Add	27.72	
		For Elevated Installation >35' To 40', Add	34.65	
		For Elevated Installation >40', Add	38.12	
		For Work In Restricted Working Space, Add	20.79	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.79	

**26 05 33 13-0787 Intermediate Metal Conduit (IMC) Expansion Fittings** (26 05 33 13-0722)

26 05 33 13-0788	EA	1/2" Intermediate Metal Conduit (IMC) Expansion Fitting .....	179.30	15.84
		For Elevated Installation >10' To 15', Add	3.96	
		For Elevated Installation >15' To 20', Add	7.92	
		For Elevated Installation >20' To 25', Add	9.90	
		For Elevated Installation >25' To 30', Add	13.86	
		For Elevated Installation >30' To 35', Add	15.84	
		For Elevated Installation >35' To 40', Add	19.81	
		For Elevated Installation >40', Add	21.79	
		For Work In Restricted Working Space, Add	11.88	
26 05 33 13-0789	EA	3/4" Intermediate Metal Conduit (IMC) Expansion Fitting .....	198.21	17.82
		For Elevated Installation >10' To 15', Add	4.46	
		For Elevated Installation >15' To 20', Add	8.91	
		For Elevated Installation >20' To 25', Add	11.14	
		For Elevated Installation >25' To 30', Add	15.59	
		For Elevated Installation >30' To 35', Add	17.82	
		For Elevated Installation >35' To 40', Add	22.28	
		For Elevated Installation >40', Add	24.50	
		For Work In Restricted Working Space, Add	13.37	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0790	EA			1" Intermediate Metal Conduit (IMC) Expansion Fitting .....	220.29	19.80
				For Elevated Installation >10' To 15', Add	4.95	
				For Elevated Installation >15' To 20', Add	9.90	
				For Elevated Installation >20' To 25', Add	12.38	
				For Elevated Installation >25' To 30', Add	17.33	
				For Elevated Installation >30' To 35', Add	19.80	
				For Elevated Installation >35' To 40', Add	24.76	
				For Elevated Installation >40', Add	27.23	
				For Work In Restricted Working Space, Add	14.85	
26 05 33 13-0791	EA			1-1/4" Intermediate Metal Conduit (IMC) Expansion Fitting .....	267.48	21.78
				For Elevated Installation >10' To 15', Add	5.45	
				For Elevated Installation >15' To 20', Add	10.89	
				For Elevated Installation >20' To 25', Add	13.61	
				For Elevated Installation >25' To 30', Add	19.06	
				For Elevated Installation >30' To 35', Add	21.78	
				For Elevated Installation >35' To 40', Add	27.23	
				For Elevated Installation >40', Add	29.95	
				For Work In Restricted Working Space, Add	16.34	
26 05 33 13-0792	EA			1-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting .....	329.62	23.76
				For Elevated Installation >10' To 15', Add	5.94	
				For Elevated Installation >15' To 20', Add	11.88	
				For Elevated Installation >20' To 25', Add	14.85	
				For Elevated Installation >25' To 30', Add	20.79	
				For Elevated Installation >30' To 35', Add	23.76	
				For Elevated Installation >35' To 40', Add	29.70	
				For Elevated Installation >40', Add	32.67	
				For Work In Restricted Working Space, Add	17.82	
26 05 33 13-0793	EA			2" Intermediate Metal Conduit (IMC) Expansion Fitting .....	436.97	25.74
				For Elevated Installation >10' To 15', Add	6.43	
				For Elevated Installation >15' To 20', Add	12.87	
				For Elevated Installation >20' To 25', Add	16.09	
				For Elevated Installation >25' To 30', Add	22.52	
				For Elevated Installation >30' To 35', Add	25.74	
				For Elevated Installation >35' To 40', Add	32.17	
				For Elevated Installation >40', Add	35.39	
				For Work In Restricted Working Space, Add	19.30	
26 05 33 13-0794	EA			2-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting .....	664.52	31.68
				For Elevated Installation >10' To 15', Add	7.92	
				For Elevated Installation >15' To 20', Add	15.84	
				For Elevated Installation >20' To 25', Add	19.80	
				For Elevated Installation >25' To 30', Add	27.72	
				For Elevated Installation >30' To 35', Add	31.68	
				For Elevated Installation >35' To 40', Add	39.60	
				For Elevated Installation >40', Add	43.56	
				For Work In Restricted Working Space, Add	23.76	
26 05 33 13-0795	EA			3" Intermediate Metal Conduit (IMC) Expansion Fitting .....	797.91	39.60
				For Elevated Installation >10' To 15', Add	9.90	
				For Elevated Installation >15' To 20', Add	19.80	
				For Elevated Installation >20' To 25', Add	24.75	
				For Elevated Installation >25' To 30', Add	34.65	
				For Elevated Installation >30' To 35', Add	39.60	
				For Elevated Installation >35' To 40', Add	49.50	
				For Elevated Installation >40', Add	54.45	
				For Work In Restricted Working Space, Add	29.70	
26 05 33 13-0796	EA			3-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting .....	1,117.28	47.53
				For Elevated Installation >10' To 15', Add	11.88	
				For Elevated Installation >15' To 20', Add	23.76	
				For Elevated Installation >20' To 25', Add	29.71	
				For Elevated Installation >25' To 30', Add	41.59	
				For Elevated Installation >30' To 35', Add	47.53	
				For Elevated Installation >35' To 40', Add	59.41	
				For Elevated Installation >40', Add	65.35	
				For Work In Restricted Working Space, Add	35.65	
26 05 33 13-0797	EA			4" Intermediate Metal Conduit (IMC) Expansion Fitting .....	1,294.45	51.49
				For Elevated Installation >10' To 15', Add	12.87	
				For Elevated Installation >15' To 20', Add	25.74	
				For Elevated Installation >20' To 25', Add	32.18	
				For Elevated Installation >25' To 30', Add	45.05	
				For Elevated Installation >30' To 35', Add	51.48	
				For Elevated Installation >35' To 40', Add	64.35	
				For Elevated Installation >40', Add	70.79	
				For Work In Restricted Working Space, Add	38.61	
26 05 33 13-0798				<b>Intermediate Metal Conduit (IMC) Sealing Fittings, Vertical/Horizontal</b> <small>(26 05 33 13-0722)</small>		
26 05 33 13-0799	EA			1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal .....	103.25	24.75
				For Elevated Installation >10' To 15', Add	4.95	
				For Elevated Installation >15' To 20', Add	9.90	
				For Elevated Installation >20' To 25', Add	12.38	
				For Elevated Installation >25' To 30', Add	17.33	
				For Elevated Installation >30' To 35', Add	19.80	
				For Elevated Installation >35' To 40', Add	24.75	
				For Elevated Installation >40', Add	27.23	
				For Work In Restricted Working Space, Add	14.85	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.85	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 33 13-0800	EA	3/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	122.53	29.70
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.94	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	11.88	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	14.85	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	20.79	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	23.76	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	29.70	
		<i>For Elevated Installation &gt;40', Add</i>	32.67	
		<i>For Work In Restricted Working Space, Add</i>	17.82	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.82	
26 05 33 13-0801	EA	1" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	150.45	34.65
		<i>For Elevated Installation &gt;10' To 15', Add</i>	6.93	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	13.86	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	17.33	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	24.26	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	27.72	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	34.66	
		<i>For Elevated Installation &gt;40', Add</i>	38.12	
		<i>For Work In Restricted Working Space, Add</i>	20.79	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79	
26 05 33 13-0802	EA	1-1/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	177.73	39.60
		<i>For Elevated Installation &gt;10' To 15', Add</i>	7.92	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	15.84	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	19.80	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	27.72	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	31.68	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	39.60	
		<i>For Elevated Installation &gt;40', Add</i>	43.56	
		<i>For Work In Restricted Working Space, Add</i>	23.76	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.76	
26 05 33 13-0803	EA	1-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	237.44	44.56
		<i>For Elevated Installation &gt;10' To 15', Add</i>	8.91	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	17.82	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	22.28	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	31.19	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	35.64	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	44.55	
		<i>For Elevated Installation &gt;40', Add</i>	49.01	
		<i>For Work In Restricted Working Space, Add</i>	26.73	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.73	
26 05 33 13-0804	EA	2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	291.19	49.50
		<i>For Elevated Installation &gt;10' To 15', Add</i>	9.90	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	19.80	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	24.75	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	34.65	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	39.60	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	49.50	
		<i>For Elevated Installation &gt;40', Add</i>	54.45	
		<i>For Work In Restricted Working Space, Add</i>	29.70	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.70	
26 05 33 13-0805	EA	2-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	417.42	59.40
		<i>For Elevated Installation &gt;10' To 15', Add</i>	11.88	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	23.76	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	29.70	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	41.58	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	47.52	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	59.41	
		<i>For Elevated Installation &gt;40', Add</i>	65.35	
		<i>For Work In Restricted Working Space, Add</i>	35.64	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.64	
26 05 33 13-0806	EA	3" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	503.36	69.31
		<i>For Elevated Installation &gt;10' To 15', Add</i>	13.86	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	27.72	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	34.65	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	48.51	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	55.44	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	69.30	
		<i>For Elevated Installation &gt;40', Add</i>	76.23	
		<i>For Work In Restricted Working Space, Add</i>	41.58	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.58	
26 05 33 13-0807	EA	3-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	1,210.41	79.20
		<i>For Elevated Installation &gt;10' To 15', Add</i>	15.84	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	31.68	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	39.60	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	55.44	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	63.36	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	79.21	
		<i>For Elevated Installation &gt;40', Add</i>	87.13	
		<i>For Work In Restricted Working Space, Add</i>	47.52	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.52	
26 05 33 13-0808	EA	4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	1,395.74	89.10
		<i>For Elevated Installation &gt;10' To 15', Add</i>	17.82	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	35.64	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	44.55	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	62.37	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	71.28	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	89.11	
		<i>For Elevated Installation &gt;40', Add</i>	98.02	
		<i>For Work In Restricted Working Space, Add</i>	53.46	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53.46	

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
		UNIT COST	UNIT COST

<b>26 05 33 13-0809 Intermediate Metal Conduit (IMC) Threaded Couplings</b> <small>(26 05 33 13-0722)</small>			
26 05 33 13-0810	EA 1/2" Intermediate Metal Conduit (IMC) Threaded Coupling .....	13.70	4.75
	For Elevated Installation >10' To 15', Add	1.19	
	For Elevated Installation >15' To 20', Add	2.37	
	For Elevated Installation >20' To 25', Add	2.97	
	For Elevated Installation >25' To 30', Add	4.15	
	For Elevated Installation >30' To 35', Add	4.75	
	For Elevated Installation >35' To 40', Add	5.94	
	For Elevated Installation >40', Add	6.53	
	For Work In Restricted Working Space, Add	3.56	
26 05 33 13-0811	EA 3/4" Intermediate Metal Conduit (IMC) Threaded Coupling .....	19.07	6.73
	For Elevated Installation >10' To 15', Add	1.68	
	For Elevated Installation >15' To 20', Add	3.37	
	For Elevated Installation >20' To 25', Add	4.21	
	For Elevated Installation >25' To 30', Add	5.89	
	For Elevated Installation >30' To 35', Add	6.74	
	For Elevated Installation >35' To 40', Add	8.42	
	For Elevated Installation >40', Add	9.26	
	For Work In Restricted Working Space, Add	5.05	
26 05 33 13-0812	EA 1" Intermediate Metal Conduit (IMC) Threaded Coupling .....	25.08	8.71
	For Elevated Installation >10' To 15', Add	2.18	
	For Elevated Installation >15' To 20', Add	4.35	
	For Elevated Installation >20' To 25', Add	5.44	
	For Elevated Installation >25' To 30', Add	7.62	
	For Elevated Installation >30' To 35', Add	8.70	
	For Elevated Installation >35' To 40', Add	10.88	
	For Elevated Installation >40', Add	11.97	
	For Work In Restricted Working Space, Add	6.53	
26 05 33 13-0813	EA 1-1/4" Intermediate Metal Conduit (IMC) Threaded Coupling .....	28.91	9.90
	For Elevated Installation >10' To 15', Add	2.48	
	For Elevated Installation >15' To 20', Add	4.95	
	For Elevated Installation >20' To 25', Add	6.19	
	For Elevated Installation >25' To 30', Add	8.67	
	For Elevated Installation >30' To 35', Add	9.90	
	For Elevated Installation >35' To 40', Add	12.38	
	For Elevated Installation >40', Add	13.62	
	For Work In Restricted Working Space, Add	7.43	
26 05 33 13-0814	EA 1-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling .....	34.92	11.88
	For Elevated Installation >10' To 15', Add	2.97	
	For Elevated Installation >15' To 20', Add	5.94	
	For Elevated Installation >20' To 25', Add	7.42	
	For Elevated Installation >25' To 30', Add	10.39	
	For Elevated Installation >30' To 35', Add	11.87	
	For Elevated Installation >35' To 40', Add	14.84	
	For Elevated Installation >40', Add	16.32	
	For Work In Restricted Working Space, Add	8.90	
26 05 33 13-0815	EA 2" Intermediate Metal Conduit (IMC) Threaded Coupling .....	40.58	13.47
	For Elevated Installation >10' To 15', Add	3.37	
	For Elevated Installation >15' To 20', Add	6.74	
	For Elevated Installation >20' To 25', Add	8.42	
	For Elevated Installation >25' To 30', Add	11.79	
	For Elevated Installation >30' To 35', Add	13.47	
	For Elevated Installation >35' To 40', Add	16.84	
	For Elevated Installation >40', Add	18.52	
	For Work In Restricted Working Space, Add	10.10	
26 05 33 13-0816	EA 2-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling .....	52.90	15.05
	For Elevated Installation >10' To 15', Add	3.76	
	For Elevated Installation >15' To 20', Add	7.52	
	For Elevated Installation >20' To 25', Add	9.41	
	For Elevated Installation >25' To 30', Add	13.17	
	For Elevated Installation >30' To 35', Add	15.05	
	For Elevated Installation >35' To 40', Add	18.81	
	For Elevated Installation >40', Add	20.69	
	For Work In Restricted Working Space, Add	11.29	
26 05 33 13-0817	EA 3" Intermediate Metal Conduit (IMC) Threaded Coupling .....	63.45	17.03
	For Elevated Installation >10' To 15', Add	4.26	
	For Elevated Installation >15' To 20', Add	8.52	
	For Elevated Installation >20' To 25', Add	10.65	
	For Elevated Installation >25' To 30', Add	14.90	
	For Elevated Installation >30' To 35', Add	17.03	
	For Elevated Installation >35' To 40', Add	21.29	
	For Elevated Installation >40', Add	23.42	
	For Work In Restricted Working Space, Add	12.77	
26 05 33 13-0818	EA 3-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling .....	74.44	18.61
	For Elevated Installation >10' To 15', Add	4.65	
	For Elevated Installation >15' To 20', Add	9.31	
	For Elevated Installation >20' To 25', Add	11.64	
	For Elevated Installation >25' To 30', Add	16.29	
	For Elevated Installation >30' To 35', Add	18.62	
	For Elevated Installation >35' To 40', Add	23.27	
	For Elevated Installation >40', Add	25.60	
	For Work In Restricted Working Space, Add	13.96	
26 05 33 13-0819	EA 4" Intermediate Metal Conduit (IMC) Threaded Coupling .....	77.60	19.80
	For Elevated Installation >10' To 15', Add	4.95	
	For Elevated Installation >15' To 20', Add	9.90	
	For Elevated Installation >20' To 25', Add	12.37	
	For Elevated Installation >25' To 30', Add	17.32	
	For Elevated Installation >30' To 35', Add	19.80	
	For Elevated Installation >35' To 40', Add	24.75	
	For Elevated Installation >40', Add	27.22	
	For Work In Restricted Working Space, Add	14.85	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR  
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26 05 33 13-0820	Intermediate Metal Conduit (IMC) Reducer Bushings <small>(26 05 33 13-0722)</small>		
26 05 33 13-0821	EA 1/2" To 3/4" Intermediate Metal Conduit (IMC) Reducing Bushing.....	7.00	1.98
	For Elevated Installation >10' To 15', Add	0.50	
	For Elevated Installation >15' To 20', Add	0.99	
	For Elevated Installation >20' To 25', Add	1.24	
	For Elevated Installation >25' To 30', Add	1.73	
	For Elevated Installation >30' To 35', Add	1.98	
	For Elevated Installation >35' To 40', Add	2.48	
	For Elevated Installation >40', Add	2.72	
	For Work In Restricted Working Space, Add	1.49	
26 05 33 13-0822	EA 3/4" To 1" Intermediate Metal Conduit (IMC) Reducing Bushing.....	8.18	1.98
	For Elevated Installation >10' To 15', Add	0.50	
	For Elevated Installation >15' To 20', Add	0.99	
	For Elevated Installation >20' To 25', Add	1.24	
	For Elevated Installation >25' To 30', Add	1.73	
	For Elevated Installation >30' To 35', Add	1.98	
	For Elevated Installation >35' To 40', Add	2.48	
	For Elevated Installation >40', Add	2.72	
	For Work In Restricted Working Space, Add	1.49	
26 05 33 13-0823	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit <small>(26 05 33 13-0058)</small>		
	Note: 40 mil polyvinyl chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney). Used in hazardous locations. Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0824	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit <small>(26 05 33 13-0823)</small>		
	Note: Includes field bending for conduit up to 1".		
26 05 33 13-0825	LF 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	12.54	2.77
	For Elevated Installation >10' To 15', Add	0.69	
	For Elevated Installation >15' To 20', Add	1.39	
	For Elevated Installation >20' To 25', Add	1.73	
	For Elevated Installation >25' To 30', Add	2.43	
	For Elevated Installation >30' To 35', Add	2.77	
	For Elevated Installation >35' To 40', Add	3.47	
	For Elevated Installation >40', Add	3.81	
	For Work In Restricted Working Space, Add	2.08	
	For >250 To 500, Deduct	-0.45	
	For >500 To 1,000, Deduct	-0.77	
	For >1,000, Deduct	-1.08	
26 05 33 13-0826	LF 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	14.42	3.17
	For Elevated Installation >10' To 15', Add	0.79	
	For Elevated Installation >15' To 20', Add	1.58	
	For Elevated Installation >20' To 25', Add	1.98	
	For Elevated Installation >25' To 30', Add	2.77	
	For Elevated Installation >30' To 35', Add	3.17	
	For Elevated Installation >35' To 40', Add	3.96	
	For Elevated Installation >40', Add	4.36	
	For Work In Restricted Working Space, Add	2.38	
	For >250 To 500, Deduct	-0.52	
	For >500 To 1,000, Deduct	-0.88	
	For >1,000, Deduct	-1.24	
26 05 33 13-0827	LF 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	18.32	3.96
	For Elevated Installation >10' To 15', Add	0.99	
	For Elevated Installation >15' To 20', Add	1.98	
	For Elevated Installation >20' To 25', Add	2.48	
	For Elevated Installation >25' To 30', Add	3.47	
	For Elevated Installation >30' To 35', Add	3.96	
	For Elevated Installation >35' To 40', Add	4.95	
	For Elevated Installation >40', Add	5.45	
	For Work In Restricted Working Space, Add	2.97	
	For >250 To 500, Deduct	-0.67	
	For >500 To 1,000, Deduct	-1.13	
	For >1,000, Deduct	-1.58	
26 05 33 13-0828	LF 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	22.55	4.75
	For Elevated Installation >10' To 15', Add	1.19	
	For Elevated Installation >15' To 20', Add	2.38	
	For Elevated Installation >20' To 25', Add	2.97	
	For Elevated Installation >25' To 30', Add	4.16	
	For Elevated Installation >30' To 35', Add	4.75	
	For Elevated Installation >35' To 40', Add	5.94	
	For Elevated Installation >40', Add	6.53	
	For Work In Restricted Working Space, Add	3.56	
	For >250 To 500, Deduct	-0.83	
	For >500 To 1,000, Deduct	-1.39	
	For >1,000, Deduct	-1.96	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0829 LF 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	27.82	5.94
For Elevated Installation >10' To 15', Add	1.49	
For Elevated Installation >15' To 20', Add	2.97	
For Elevated Installation >20' To 25', Add	3.71	
For Elevated Installation >25' To 30', Add	5.20	
For Elevated Installation >30' To 35', Add	5.94	
For Elevated Installation >35' To 40', Add	7.43	
For Elevated Installation >40', Add	8.17	
For Work In Restricted Working Space, Add	4.46	
For >250 To 500, Deduct	-1.02	
For >500 To 1,000, Deduct	-1.72	
For >1,000, Deduct	-2.41	
26 05 33 13-0830 LF 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	34.72	7.13
For Elevated Installation >10' To 15', Add	1.78	
For Elevated Installation >15' To 20', Add	3.56	
For Elevated Installation >20' To 25', Add	4.46	
For Elevated Installation >25' To 30', Add	6.24	
For Elevated Installation >30' To 35', Add	7.13	
For Elevated Installation >35' To 40', Add	8.91	
For Elevated Installation >40', Add	9.80	
For Work In Restricted Working Space, Add	5.35	
For >250 To 500, Deduct	-1.29	
For >500 To 1,000, Deduct	-2.16	
For >1,000, Deduct	-3.03	
26 05 33 13-0831 LF 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	46.42	8.31
For Elevated Installation >10' To 15', Add	2.08	
For Elevated Installation >15' To 20', Add	4.16	
For Elevated Installation >20' To 25', Add	5.20	
For Elevated Installation >25' To 30', Add	7.28	
For Elevated Installation >30' To 35', Add	8.32	
For Elevated Installation >35' To 40', Add	10.40	
For Elevated Installation >40', Add	11.43	
For Work In Restricted Working Space, Add	6.24	
For >250 To 500, Deduct	-1.80	
For >500 To 1,000, Deduct	-2.96	
For >1,000, Deduct	-4.12	
26 05 33 13-0832 LF 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	58.06	10.30
For Elevated Installation >10' To 15', Add	2.57	
For Elevated Installation >15' To 20', Add	5.15	
For Elevated Installation >20' To 25', Add	6.44	
For Elevated Installation >25' To 30', Add	9.01	
For Elevated Installation >30' To 35', Add	10.30	
For Elevated Installation >35' To 40', Add	12.87	
For Elevated Installation >40', Add	14.16	
For Work In Restricted Working Space, Add	7.72	
For >250 To 500, Deduct	-2.26	
For >500 To 1,000, Deduct	-3.71	
For >1,000, Deduct	-5.16	
26 05 33 13-0833 LF 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	71.21	12.68
For Elevated Installation >10' To 15', Add	3.17	
For Elevated Installation >15' To 20', Add	6.34	
For Elevated Installation >20' To 25', Add	7.92	
For Elevated Installation >25' To 30', Add	11.09	
For Elevated Installation >30' To 35', Add	12.67	
For Elevated Installation >35' To 40', Add	15.84	
For Elevated Installation >40', Add	17.42	
For Work In Restricted Working Space, Add	9.50	
For >250 To 500, Deduct	-2.77	
For >500 To 1,000, Deduct	-4.55	
For >1,000, Deduct	-6.33	
26 05 33 13-0834 LF 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	84.24	15.05
For Elevated Installation >10' To 15', Add	3.76	
For Elevated Installation >15' To 20', Add	7.53	
For Elevated Installation >20' To 25', Add	9.41	
For Elevated Installation >25' To 30', Add	13.17	
For Elevated Installation >30' To 35', Add	15.05	
For Elevated Installation >35' To 40', Add	18.82	
For Elevated Installation >40', Add	20.70	
For Work In Restricted Working Space, Add	11.29	
For >250 To 500, Deduct	-3.27	
For >500 To 1,000, Deduct	-5.38	
For >1,000, Deduct	-7.48	
26 05 33 13-0835 LF 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	127.15	17.82
For Elevated Installation >10' To 15', Add	4.46	
For Elevated Installation >15' To 20', Add	8.91	
For Elevated Installation >20' To 25', Add	11.14	
For Elevated Installation >25' To 30', Add	15.60	
For Elevated Installation >30' To 35', Add	17.82	
For Elevated Installation >35' To 40', Add	22.28	
For Elevated Installation >40', Add	24.51	
For Work In Restricted Working Space, Add	13.37	
For >250 To 500, Deduct	-5.24	
For >500 To 1,000, Deduct	-8.42	
For >1,000, Deduct	-11.60	

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26 05 33 13-0836	LF	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	172.58	23.76
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.94	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	11.88	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	14.85	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	20.79	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	23.76	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	29.70	
		<i>For Elevated Installation &gt;40', Add</i>	32.67	
		<i>For Work In Restricted Working Space, Add</i>	17.82	
		<i>For &gt;250 To 500, Deduct</i>	-7.14	
		<i>For &gt;500 To 1,000, Deduct</i>	-11.46	
		<i>For &gt;1,000, Deduct</i>	-15.77	

**26 05 33 13-0837 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Couplings**

26 05 33 13-0838	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	17.80	5.94
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.19	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	2.38	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	2.97	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	4.16	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	4.75	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	5.94	
		<i>For Elevated Installation &gt;40', Add</i>	6.53	
		<i>For Work In Restricted Working Space, Add</i>	3.56	
26 05 33 13-0839	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	23.04	8.41
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.68	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	3.37	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	4.21	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	5.89	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	6.73	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	8.42	
		<i>For Elevated Installation &gt;40', Add</i>	9.26	
		<i>For Work In Restricted Working Space, Add</i>	5.05	
26 05 33 13-0840	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	29.84	10.89
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.18	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	4.36	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	5.45	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	7.62	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	8.71	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	10.89	
		<i>For Elevated Installation &gt;40', Add</i>	11.98	
		<i>For Work In Restricted Working Space, Add</i>	6.53	
26 05 33 13-0841	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	34.15	12.38
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.48	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	4.95	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	6.19	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	8.66	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	9.90	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	12.38	
		<i>For Elevated Installation &gt;40', Add</i>	13.61	
		<i>For Work In Restricted Working Space, Add</i>	7.43	
26 05 33 13-0842	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	40.87	14.85
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.97	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	5.94	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	7.43	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	10.40	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	11.88	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	14.85	
		<i>For Elevated Installation &gt;40', Add</i>	16.34	
		<i>For Work In Restricted Working Space, Add</i>	8.91	
26 05 33 13-0843	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	50.02	16.83
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.37	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	6.73	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	8.42	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	11.78	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	13.47	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	16.84	
		<i>For Elevated Installation &gt;40', Add</i>	18.52	
		<i>For Work In Restricted Working Space, Add</i>	10.10	
26 05 33 13-0844	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	78.10	16.83
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.76	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	7.53	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	9.41	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	13.17	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	15.05	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	18.82	
		<i>For Elevated Installation &gt;40', Add</i>	20.70	
		<i>For Work In Restricted Working Space, Add</i>	11.29	
26 05 33 13-0845	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	91.72	23.27
		<i>For Elevated Installation &gt;10' To 15', Add</i>	4.26	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	8.51	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	10.64	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	14.90	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	17.03	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	21.29	
		<i>For Elevated Installation &gt;40', Add</i>	23.41	
		<i>For Work In Restricted Working Space, Add</i>	12.77	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-0846	EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	109.58	23.27
	For Elevated Installation >10' To 15', Add	4.65	
	For Elevated Installation >15' To 20', Add	9.31	
	For Elevated Installation >20' To 25', Add	11.63	
	For Elevated Installation >25' To 30', Add	16.29	
	For Elevated Installation >30' To 35', Add	18.61	
	For Elevated Installation >35' To 40', Add	23.27	
	For Elevated Installation >40', Add	25.59	
	For Work In Restricted Working Space, Add	13.96	
26 05 33 13-0847	EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	123.22	24.75
	For Elevated Installation >10' To 15', Add	4.95	
	For Elevated Installation >15' To 20', Add	9.90	
	For Elevated Installation >20' To 25', Add	12.38	
	For Elevated Installation >25' To 30', Add	17.33	
	For Elevated Installation >30' To 35', Add	19.80	
	For Elevated Installation >35' To 40', Add	24.75	
	For Elevated Installation >40', Add	27.23	
	For Work In Restricted Working Space, Add	14.85	
26 05 33 13-0848	EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	299.62	29.70
	For Elevated Installation >10' To 15', Add	5.94	
	For Elevated Installation >15' To 20', Add	11.88	
	For Elevated Installation >20' To 25', Add	14.85	
	For Elevated Installation >25' To 30', Add	20.79	
	For Elevated Installation >30' To 35', Add	23.76	
	For Elevated Installation >35' To 40', Add	29.70	
	For Elevated Installation >40', Add	32.67	
	For Work In Restricted Working Space, Add	17.82	
26 05 33 13-0849	EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	337.65	34.65
	For Elevated Installation >10' To 15', Add	6.93	
	For Elevated Installation >15' To 20', Add	13.86	
	For Elevated Installation >20' To 25', Add	17.33	
	For Elevated Installation >25' To 30', Add	24.26	
	For Elevated Installation >30' To 35', Add	27.72	
	For Elevated Installation >35' To 40', Add	34.66	
	For Elevated Installation >40', Add	38.12	
	For Work In Restricted Working Space, Add	20.79	

**26 05 33 13-0850 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbows** (26 05 33 13-0823)

Note: 90, 45, or 30 degree.

26 05 33 13-0851	EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	52.94	16.09
	For Elevated Installation >10' To 15', Add	3.22	
	For Elevated Installation >15' To 20', Add	6.44	
	For Elevated Installation >20' To 25', Add	8.05	
	For Elevated Installation >25' To 30', Add	11.26	
	For Elevated Installation >30' To 35', Add	12.87	
	For Elevated Installation >35' To 40', Add	16.09	
	For Elevated Installation >40', Add	17.70	
	For Work In Restricted Working Space, Add	9.65	
26 05 33 13-0852	EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	61.45	19.95
	For Elevated Installation >10' To 15', Add	3.99	
	For Elevated Installation >15' To 20', Add	7.98	
	For Elevated Installation >20' To 25', Add	9.98	
	For Elevated Installation >25' To 30', Add	13.97	
	For Elevated Installation >30' To 35', Add	15.96	
	For Elevated Installation >35' To 40', Add	19.95	
	For Elevated Installation >40', Add	21.95	
	For Work In Restricted Working Space, Add	11.97	
26 05 33 13-0853	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	73.63	24.45
	For Elevated Installation >10' To 15', Add	4.89	
	For Elevated Installation >15' To 20', Add	9.78	
	For Elevated Installation >20' To 25', Add	12.23	
	For Elevated Installation >25' To 30', Add	17.12	
	For Elevated Installation >30' To 35', Add	19.56	
	For Elevated Installation >35' To 40', Add	24.46	
	For Elevated Installation >40', Add	26.90	
	For Work In Restricted Working Space, Add	14.67	
26 05 33 13-0854	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	87.01	28.32
	For Elevated Installation >10' To 15', Add	5.66	
	For Elevated Installation >15' To 20', Add	11.33	
	For Elevated Installation >20' To 25', Add	14.16	
	For Elevated Installation >25' To 30', Add	19.82	
	For Elevated Installation >30' To 35', Add	22.65	
	For Elevated Installation >35' To 40', Add	28.32	
	For Elevated Installation >40', Add	31.15	
	For Work In Restricted Working Space, Add	16.99	
26 05 33 13-0855	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	101.68	32.18
	For Elevated Installation >10' To 15', Add	6.44	
	For Elevated Installation >15' To 20', Add	12.87	
	For Elevated Installation >20' To 25', Add	16.09	
	For Elevated Installation >25' To 30', Add	22.52	
	For Elevated Installation >30' To 35', Add	25.74	
	For Elevated Installation >35' To 40', Add	32.18	
	For Elevated Installation >40', Add	35.39	
	For Work In Restricted Working Space, Add	19.31	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 33 13-0856	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	122.89	35.39
		<i>For Elevated Installation &gt;10' To 15', Add</i>	7.08	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	14.16	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	17.70	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	24.78	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	28.32	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	35.40	
		<i>For Elevated Installation &gt;40', Add</i>	38.93	
		<i>For Work In Restricted Working Space, Add</i>	21.24	
26 05 33 13-0857	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	186.96	44.41
		<i>For Elevated Installation &gt;10' To 15', Add</i>	8.88	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	17.76	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	22.20	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	31.08	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	35.52	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	44.41	
		<i>For Elevated Installation &gt;40', Add</i>	48.85	
		<i>For Work In Restricted Working Space, Add</i>	26.64	
26 05 33 13-0858	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	277.82	60.49
		<i>For Elevated Installation &gt;10' To 15', Add</i>	12.10	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	24.20	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	30.25	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	42.34	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	48.39	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	60.49	
		<i>For Elevated Installation &gt;40', Add</i>	66.54	
		<i>For Work In Restricted Working Space, Add</i>	36.29	
26 05 33 13-0859	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	342.22	68.21
		<i>For Elevated Installation &gt;10' To 15', Add</i>	13.64	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	27.29	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	34.11	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	47.75	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	54.57	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	68.22	
		<i>For Elevated Installation &gt;40', Add</i>	75.04	
		<i>For Work In Restricted Working Space, Add</i>	40.93	
26 05 33 13-0860	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	395.15	88.81
		<i>For Elevated Installation &gt;10' To 15', Add</i>	17.76	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	35.52	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	44.40	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	62.16	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	71.04	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	88.81	
		<i>For Elevated Installation &gt;40', Add</i>	97.69	
		<i>For Work In Restricted Working Space, Add</i>	53.28	
26 05 33 13-0861	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	813.83	144.79
		<i>For Elevated Installation &gt;10' To 15', Add</i>	28.96	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	57.92	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	72.40	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	101.36	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	115.84	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	144.80	
		<i>For Elevated Installation &gt;40', Add</i>	159.27	
		<i>For Work In Restricted Working Space, Add</i>	86.88	
26 05 33 13-0862	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	1,277.70	217.52
		<i>For Elevated Installation &gt;10' To 15', Add</i>	43.50	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	87.01	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	108.76	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	152.26	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	174.01	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	217.52	
		<i>For Elevated Installation &gt;40', Add</i>	239.27	
		<i>For Work In Restricted Working Space, Add</i>	130.51	

**26 05 33 13-0863 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows**

(26 05 33 13-0823)

26 05 33 13-0864	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	122.56	24.45
		<i>For Elevated Installation &gt;10' To 15', Add</i>	4.89	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	9.78	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	12.23	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	17.12	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	19.56	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	24.46	
		<i>For Elevated Installation &gt;40', Add</i>	26.90	
		<i>For Work In Restricted Working Space, Add</i>	14.67	
26 05 33 13-0865	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	138.09	28.32
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.66	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	11.33	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	14.16	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	19.82	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	22.65	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	28.32	
		<i>For Elevated Installation &gt;40', Add</i>	31.15	
		<i>For Work In Restricted Working Space, Add</i>	16.99	

MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

26 05 33 13-0866	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow.....	157.61	32.18
	For Elevated Installation >10' To 15', Add	6.44	
	For Elevated Installation >15' To 20', Add	12.87	
	For Elevated Installation >20' To 25', Add	16.09	
	For Elevated Installation >25' To 30', Add	22.52	
	For Elevated Installation >30' To 35', Add	25.74	
	For Elevated Installation >35' To 40', Add	32.18	
	For Elevated Installation >40', Add	35.39	
	For Work In Restricted Working Space, Add	19.31	
26 05 33 13-0867	EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow.....	187.42	35.39
	For Elevated Installation >10' To 15', Add	7.08	
	For Elevated Installation >15' To 20', Add	14.16	
	For Elevated Installation >20' To 25', Add	17.70	
	For Elevated Installation >25' To 30', Add	24.78	
	For Elevated Installation >30' To 35', Add	28.32	
	For Elevated Installation >35' To 40', Add	35.40	
	For Elevated Installation >40', Add	38.93	
	For Work In Restricted Working Space, Add	21.24	
26 05 33 13-0868	EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow.....	260.01	44.41
	For Elevated Installation >10' To 15', Add	8.88	
	For Elevated Installation >15' To 20', Add	17.76	
	For Elevated Installation >20' To 25', Add	22.20	
	For Elevated Installation >25' To 30', Add	31.08	
	For Elevated Installation >30' To 35', Add	35.52	
	For Elevated Installation >35' To 40', Add	44.41	
	For Elevated Installation >40', Add	48.85	
	For Work In Restricted Working Space, Add	26.64	
<b>26 05 33 13-0869</b>	<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel</b>		
	<b>(RGS) 15" Large Radius Elbows</b> <small>(26 05 33 13-0823)</small>		
26 05 33 13-0870	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow.....	135.79	24.45
	For Elevated Installation >10' To 15', Add	4.89	
	For Elevated Installation >15' To 20', Add	9.78	
	For Elevated Installation >20' To 25', Add	12.23	
	For Elevated Installation >25' To 30', Add	17.12	
	For Elevated Installation >30' To 35', Add	19.56	
	For Elevated Installation >35' To 40', Add	24.46	
	For Elevated Installation >40', Add	26.90	
	For Work In Restricted Working Space, Add	14.67	
26 05 33 13-0871	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow.....	159.96	28.32
	For Elevated Installation >10' To 15', Add	5.66	
	For Elevated Installation >15' To 20', Add	11.33	
	For Elevated Installation >20' To 25', Add	14.16	
	For Elevated Installation >25' To 30', Add	19.82	
	For Elevated Installation >30' To 35', Add	22.65	
	For Elevated Installation >35' To 40', Add	28.32	
	For Elevated Installation >40', Add	31.15	
	For Work In Restricted Working Space, Add	16.99	
26 05 33 13-0872	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow.....	173.29	32.18
	For Elevated Installation >10' To 15', Add	6.44	
	For Elevated Installation >15' To 20', Add	12.87	
	For Elevated Installation >20' To 25', Add	16.09	
	For Elevated Installation >25' To 30', Add	22.52	
	For Elevated Installation >30' To 35', Add	25.74	
	For Elevated Installation >35' To 40', Add	32.18	
	For Elevated Installation >40', Add	35.39	
	For Work In Restricted Working Space, Add	19.31	
26 05 33 13-0873	EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow.....	221.61	35.39
	For Elevated Installation >10' To 15', Add	7.08	
	For Elevated Installation >15' To 20', Add	14.16	
	For Elevated Installation >20' To 25', Add	17.70	
	For Elevated Installation >25' To 30', Add	24.78	
	For Elevated Installation >30' To 35', Add	28.32	
	For Elevated Installation >35' To 40', Add	35.40	
	For Elevated Installation >40', Add	38.93	
	For Work In Restricted Working Space, Add	21.24	
26 05 33 13-0874	EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow.....	292.97	44.41
	For Elevated Installation >10' To 15', Add	8.88	
	For Elevated Installation >15' To 20', Add	17.76	
	For Elevated Installation >20' To 25', Add	22.20	
	For Elevated Installation >25' To 30', Add	31.08	
	For Elevated Installation >30' To 35', Add	35.52	
	For Elevated Installation >35' To 40', Add	44.41	
	For Elevated Installation >40', Add	48.85	
	For Work In Restricted Working Space, Add	26.64	
26 05 33 13-0875	EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow.....	375.59	60.49
	For Elevated Installation >10' To 15', Add	12.10	
	For Elevated Installation >15' To 20', Add	24.20	
	For Elevated Installation >20' To 25', Add	30.25	
	For Elevated Installation >25' To 30', Add	42.34	
	For Elevated Installation >30' To 35', Add	48.39	
	For Elevated Installation >35' To 40', Add	60.49	
	For Elevated Installation >40', Add	66.54	
	For Work In Restricted Working Space, Add	36.29	
<b>26 05 33 13-0876</b>	<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel</b>		
	<b>(RGS) 18" Large Radius Elbows</b> <small>(26 05 33 13-0823)</small>		

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 05 33 13-0877	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	151.62	24.45
		<i>For Elevated Installation &gt;10' To 15', Add</i>	4.89	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	9.78	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	12.23	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	17.12	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	19.56	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	24.46	
		<i>For Elevated Installation &gt;40', Add</i>	26.90	
		<i>For Work In Restricted Working Space, Add</i>	14.67	
26 05 33 13-0878	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	171.35	28.32
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.66	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	11.33	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	14.16	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	19.82	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	22.65	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	28.32	
		<i>For Elevated Installation &gt;40', Add</i>	31.15	
		<i>For Work In Restricted Working Space, Add</i>	16.99	
26 05 33 13-0879	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	193.40	32.18
		<i>For Elevated Installation &gt;10' To 15', Add</i>	6.44	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	12.87	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	16.09	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	22.52	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	25.74	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	32.18	
		<i>For Elevated Installation &gt;40', Add</i>	35.39	
		<i>For Work In Restricted Working Space, Add</i>	19.31	
26 05 33 13-0880	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	232.95	35.39
		<i>For Elevated Installation &gt;10' To 15', Add</i>	7.08	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	14.16	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	17.70	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	24.78	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	28.32	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	35.40	
		<i>For Elevated Installation &gt;40', Add</i>	38.93	
		<i>For Work In Restricted Working Space, Add</i>	21.24	
26 05 33 13-0881	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	330.85	44.41
		<i>For Elevated Installation &gt;10' To 15', Add</i>	8.88	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	17.76	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	22.20	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	31.08	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	35.52	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	44.41	
		<i>For Elevated Installation &gt;40', Add</i>	48.85	
		<i>For Work In Restricted Working Space, Add</i>	26.64	
26 05 33 13-0882	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	420.06	60.49
		<i>For Elevated Installation &gt;10' To 15', Add</i>	12.10	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	24.20	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	30.25	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	42.34	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	48.39	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	60.49	
		<i>For Elevated Installation &gt;40', Add</i>	66.54	
		<i>For Work In Restricted Working Space, Add</i>	36.29	
26 05 33 13-0883	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	528.48	68.21
		<i>For Elevated Installation &gt;10' To 15', Add</i>	13.64	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	27.29	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	34.11	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	47.75	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	54.57	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	68.22	
		<i>For Elevated Installation &gt;40', Add</i>	75.04	
		<i>For Work In Restricted Working Space, Add</i>	40.93	
26 05 33 13-0884	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	598.07	88.81
		<i>For Elevated Installation &gt;10' To 15', Add</i>	17.76	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	35.52	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	44.40	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	62.16	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	71.04	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	88.81	
		<i>For Elevated Installation &gt;40', Add</i>	97.69	
		<i>For Work In Restricted Working Space, Add</i>	53.28	

**26 05 33 13-0885 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows**

26 05 33 13-0886	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	178.95	24.45
		<i>For Elevated Installation &gt;10' To 15', Add</i>	4.89	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	9.78	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	12.23	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	17.12	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	19.56	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	24.46	
		<i>For Elevated Installation &gt;40', Add</i>	26.90	
		<i>For Work In Restricted Working Space, Add</i>	14.67	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-0887	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	198.08	28.32
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.66	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	11.33	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	14.16	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	19.82	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	22.65	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	28.32	
		<i>For Elevated Installation &gt;40', Add</i>	31.15	
		<i>For Work In Restricted Working Space, Add</i>	16.99	
		26 05 33 13-0888	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....
<i>For Elevated Installation &gt;10' To 15', Add</i>	6.44			
<i>For Elevated Installation &gt;15' To 20', Add</i>	12.87			
<i>For Elevated Installation &gt;20' To 25', Add</i>	16.09			
<i>For Elevated Installation &gt;25' To 30', Add</i>	22.52			
<i>For Elevated Installation &gt;30' To 35', Add</i>	25.74			
<i>For Elevated Installation &gt;35' To 40', Add</i>	32.18			
<i>For Elevated Installation &gt;40', Add</i>	35.39			
<i>For Work In Restricted Working Space, Add</i>	19.31			
26 05 33 13-0889	EA			2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....
		<i>For Elevated Installation &gt;10' To 15', Add</i>	7.08	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	14.16	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	17.70	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	24.78	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	28.32	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	35.40	
		<i>For Elevated Installation &gt;40', Add</i>	38.93	
		<i>For Work In Restricted Working Space, Add</i>	21.24	
		26 05 33 13-0890	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....
<i>For Elevated Installation &gt;10' To 15', Add</i>	8.88			
<i>For Elevated Installation &gt;15' To 20', Add</i>	17.76			
<i>For Elevated Installation &gt;20' To 25', Add</i>	22.20			
<i>For Elevated Installation &gt;25' To 30', Add</i>	31.08			
<i>For Elevated Installation &gt;30' To 35', Add</i>	35.52			
<i>For Elevated Installation &gt;35' To 40', Add</i>	44.41			
<i>For Elevated Installation &gt;40', Add</i>	48.85			
<i>For Work In Restricted Working Space, Add</i>	26.64			
26 05 33 13-0891	EA			3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....
		<i>For Elevated Installation &gt;10' To 15', Add</i>	12.10	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	24.20	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	30.25	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	42.34	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	48.39	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	60.49	
		<i>For Elevated Installation &gt;40', Add</i>	66.54	
		<i>For Work In Restricted Working Space, Add</i>	36.29	
		26 05 33 13-0892	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....
<i>For Elevated Installation &gt;10' To 15', Add</i>	13.64			
<i>For Elevated Installation &gt;15' To 20', Add</i>	27.29			
<i>For Elevated Installation &gt;20' To 25', Add</i>	34.11			
<i>For Elevated Installation &gt;25' To 30', Add</i>	47.75			
<i>For Elevated Installation &gt;30' To 35', Add</i>	54.57			
<i>For Elevated Installation &gt;35' To 40', Add</i>	68.22			
<i>For Elevated Installation &gt;40', Add</i>	75.04			
<i>For Work In Restricted Working Space, Add</i>	40.93			
26 05 33 13-0893	EA			4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....
		<i>For Elevated Installation &gt;10' To 15', Add</i>	17.76	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	35.52	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	44.40	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	62.16	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	71.04	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	88.81	
		<i>For Elevated Installation &gt;40', Add</i>	97.69	
		<i>For Work In Restricted Working Space, Add</i>	53.28	
		<b>26 05 33 13-0894 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows <small>(26 05 33 13-0823)</small></b>		
26 05 33 13-0895	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	200.21	24.45
		<i>For Elevated Installation &gt;10' To 15', Add</i>	4.89	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	9.78	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	12.23	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	17.12	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	19.56	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	24.46	
		<i>For Elevated Installation &gt;40', Add</i>	26.90	
		<i>For Work In Restricted Working Space, Add</i>	14.67	
		26 05 33 13-0896	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.66			
<i>For Elevated Installation &gt;15' To 20', Add</i>	11.33			
<i>For Elevated Installation &gt;20' To 25', Add</i>	14.16			
<i>For Elevated Installation &gt;25' To 30', Add</i>	19.82			
<i>For Elevated Installation &gt;30' To 35', Add</i>	22.65			
<i>For Elevated Installation &gt;35' To 40', Add</i>	28.32			
<i>For Elevated Installation &gt;40', Add</i>	31.15			
<i>For Work In Restricted Working Space, Add</i>	16.99			

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 33 13-0897	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	253.63	32.18
		<i>For Elevated Installation &gt;10' To 15', Add</i>	6.44	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	12.87	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	16.09	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	22.52	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	25.74	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	32.18	
		<i>For Elevated Installation &gt;40', Add</i>	35.39	
		<i>For Work In Restricted Working Space, Add</i>	19.31	
26 05 33 13-0898	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	314.70	35.39
		<i>For Elevated Installation &gt;10' To 15', Add</i>	7.08	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	14.16	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	17.70	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	24.78	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	28.32	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	35.40	
		<i>For Elevated Installation &gt;40', Add</i>	38.93	
		<i>For Work In Restricted Working Space, Add</i>	21.24	
26 05 33 13-0899	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	435.64	44.41
		<i>For Elevated Installation &gt;10' To 15', Add</i>	8.88	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	17.76	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	22.20	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	31.08	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	35.52	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	44.41	
		<i>For Elevated Installation &gt;40', Add</i>	48.85	
		<i>For Work In Restricted Working Space, Add</i>	26.64	
26 05 33 13-0900	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	555.68	60.49
		<i>For Elevated Installation &gt;10' To 15', Add</i>	12.10	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	24.20	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	30.25	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	42.34	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	48.39	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	60.49	
		<i>For Elevated Installation &gt;40', Add</i>	66.54	
		<i>For Work In Restricted Working Space, Add</i>	36.29	
26 05 33 13-0901	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	686.35	68.21
		<i>For Elevated Installation &gt;10' To 15', Add</i>	13.64	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	27.29	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	34.11	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	47.75	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	54.57	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	68.22	
		<i>For Elevated Installation &gt;40', Add</i>	75.04	
		<i>For Work In Restricted Working Space, Add</i>	40.93	
26 05 33 13-0902	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	760.06	88.81
		<i>For Elevated Installation &gt;10' To 15', Add</i>	17.76	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	35.52	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	44.40	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	62.16	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	71.04	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	88.81	
		<i>For Elevated Installation &gt;40', Add</i>	97.69	
		<i>For Work In Restricted Working Space, Add</i>	53.28	
26 05 33 13-0903	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	1,266.47	144.79
		<i>For Elevated Installation &gt;10' To 15', Add</i>	28.96	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	57.92	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	72.40	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	101.36	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	115.84	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	144.80	
		<i>For Elevated Installation &gt;40', Add</i>	159.27	
		<i>For Work In Restricted Working Space, Add</i>	86.88	

**26 05 33 13-0904 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows**

26 05 33 13-0905	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	228.02	24.45
		<i>For Elevated Installation &gt;10' To 15', Add</i>	4.89	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	9.78	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	12.23	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	17.12	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	19.56	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	24.46	
		<i>For Elevated Installation &gt;40', Add</i>	26.90	
		<i>For Work In Restricted Working Space, Add</i>	14.67	
26 05 33 13-0906	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	253.03	28.32
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.66	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	11.33	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	14.16	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	19.82	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	22.65	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	28.32	
		<i>For Elevated Installation &gt;40', Add</i>	31.15	
		<i>For Work In Restricted Working Space, Add</i>	16.99	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-0907	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	286.38	32.18
	For Elevated Installation >10' To 15', Add	6.44	
	For Elevated Installation >15' To 20', Add	12.87	
	For Elevated Installation >20' To 25', Add	16.09	
	For Elevated Installation >25' To 30', Add	22.52	
	For Elevated Installation >30' To 35', Add	25.74	
	For Elevated Installation >35' To 40', Add	32.18	
	For Elevated Installation >40', Add	35.39	
	For Work In Restricted Working Space, Add	19.31	
26 05 33 13-0908	EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	356.90	35.39
	For Elevated Installation >10' To 15', Add	7.08	
	For Elevated Installation >15' To 20', Add	14.16	
	For Elevated Installation >20' To 25', Add	17.70	
	For Elevated Installation >25' To 30', Add	24.78	
	For Elevated Installation >30' To 35', Add	28.32	
	For Elevated Installation >35' To 40', Add	35.40	
	For Elevated Installation >40', Add	38.93	
	For Work In Restricted Working Space, Add	21.24	
26 05 33 13-0909	EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	497.28	44.41
	For Elevated Installation >10' To 15', Add	8.88	
	For Elevated Installation >15' To 20', Add	17.76	
	For Elevated Installation >20' To 25', Add	22.20	
	For Elevated Installation >25' To 30', Add	31.08	
	For Elevated Installation >30' To 35', Add	35.52	
	For Elevated Installation >35' To 40', Add	44.41	
	For Elevated Installation >40', Add	48.85	
	For Work In Restricted Working Space, Add	26.64	
26 05 33 13-0910	EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	632.47	60.49
	For Elevated Installation >10' To 15', Add	12.10	
	For Elevated Installation >15' To 20', Add	24.20	
	For Elevated Installation >20' To 25', Add	30.25	
	For Elevated Installation >25' To 30', Add	42.34	
	For Elevated Installation >30' To 35', Add	48.39	
	For Elevated Installation >35' To 40', Add	60.49	
	For Elevated Installation >40', Add	66.54	
	For Work In Restricted Working Space, Add	36.29	
26 05 33 13-0911	EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	742.40	68.21
	For Elevated Installation >10' To 15', Add	13.64	
	For Elevated Installation >15' To 20', Add	27.29	
	For Elevated Installation >20' To 25', Add	34.11	
	For Elevated Installation >25' To 30', Add	47.75	
	For Elevated Installation >30' To 35', Add	54.57	
	For Elevated Installation >35' To 40', Add	68.22	
	For Elevated Installation >40', Add	75.04	
	For Work In Restricted Working Space, Add	40.93	
26 05 33 13-0912	EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	860.16	88.81
	For Elevated Installation >10' To 15', Add	17.76	
	For Elevated Installation >15' To 20', Add	35.52	
	For Elevated Installation >20' To 25', Add	44.40	
	For Elevated Installation >25' To 30', Add	62.16	
	For Elevated Installation >30' To 35', Add	71.04	
	For Elevated Installation >35' To 40', Add	88.81	
	For Elevated Installation >40', Add	97.69	
	For Work In Restricted Working Space, Add	53.28	
26 05 33 13-0913	EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	1,336.61	144.79
	For Elevated Installation >10' To 15', Add	28.96	
	For Elevated Installation >15' To 20', Add	57.92	
	For Elevated Installation >20' To 25', Add	72.40	
	For Elevated Installation >25' To 30', Add	101.36	
	For Elevated Installation >30' To 35', Add	115.84	
	For Elevated Installation >35' To 40', Add	144.80	
	For Elevated Installation >40', Add	159.27	
	For Work In Restricted Working Space, Add	86.88	
26 05 33 13-0914	EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	1,831.98	217.52
	For Elevated Installation >10' To 15', Add	43.50	
	For Elevated Installation >15' To 20', Add	87.01	
	For Elevated Installation >20' To 25', Add	108.76	
	For Elevated Installation >25' To 30', Add	152.26	
	For Elevated Installation >30' To 35', Add	174.01	
	For Elevated Installation >35' To 40', Add	217.52	
	For Elevated Installation >40', Add	239.27	
	For Work In Restricted Working Space, Add	130.51	
26 05 33 13-0915	<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows</b> <small>(26 05 33 13-0823)</small>		
26 05 33 13-0916	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	266.74	24.45
	For Elevated Installation >10' To 15', Add	4.89	
	For Elevated Installation >15' To 20', Add	9.78	
	For Elevated Installation >20' To 25', Add	12.23	
	For Elevated Installation >25' To 30', Add	17.12	
	For Elevated Installation >30' To 35', Add	19.56	
	For Elevated Installation >35' To 40', Add	24.46	
	For Elevated Installation >40', Add	26.90	
	For Work In Restricted Working Space, Add	14.67	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0917	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow .....	279.83	28.32
	For Elevated Installation >10' To 15', Add	5.66	
	For Elevated Installation >15' To 20', Add	11.33	
	For Elevated Installation >20' To 25', Add	14.16	
	For Elevated Installation >25' To 30', Add	19.82	
	For Elevated Installation >30' To 35', Add	22.65	
	For Elevated Installation >35' To 40', Add	28.32	
	For Elevated Installation >40', Add	31.15	
	For Work In Restricted Working Space, Add	16.99	
26 05 33 13-0918	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow .....	330.20	32.18
	For Elevated Installation >10' To 15', Add	6.44	
	For Elevated Installation >15' To 20', Add	12.87	
	For Elevated Installation >20' To 25', Add	16.09	
	For Elevated Installation >25' To 30', Add	22.52	
	For Elevated Installation >30' To 35', Add	25.74	
	For Elevated Installation >35' To 40', Add	32.18	
	For Elevated Installation >40', Add	35.39	
	For Work In Restricted Working Space, Add	19.31	
26 05 33 13-0919	EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow .....	415.63	35.39
	For Elevated Installation >10' To 15', Add	7.08	
	For Elevated Installation >15' To 20', Add	14.16	
	For Elevated Installation >20' To 25', Add	17.70	
	For Elevated Installation >25' To 30', Add	24.78	
	For Elevated Installation >30' To 35', Add	28.32	
	For Elevated Installation >35' To 40', Add	35.40	
	For Elevated Installation >40', Add	38.93	
	For Work In Restricted Working Space, Add	21.24	
26 05 33 13-0920	EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow .....	580.40	44.41
	For Elevated Installation >10' To 15', Add	8.88	
	For Elevated Installation >15' To 20', Add	17.76	
	For Elevated Installation >20' To 25', Add	22.20	
	For Elevated Installation >25' To 30', Add	31.08	
	For Elevated Installation >30' To 35', Add	35.52	
	For Elevated Installation >35' To 40', Add	44.41	
	For Elevated Installation >40', Add	48.85	
	For Work In Restricted Working Space, Add	26.64	
26 05 33 13-0921	EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow .....	735.99	60.49
	For Elevated Installation >10' To 15', Add	12.10	
	For Elevated Installation >15' To 20', Add	24.20	
	For Elevated Installation >20' To 25', Add	30.25	
	For Elevated Installation >25' To 30', Add	42.34	
	For Elevated Installation >30' To 35', Add	48.39	
	For Elevated Installation >35' To 40', Add	60.49	
	For Elevated Installation >40', Add	66.54	
	For Work In Restricted Working Space, Add	36.29	
26 05 33 13-0922	EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow .....	898.23	68.21
	For Elevated Installation >10' To 15', Add	13.64	
	For Elevated Installation >15' To 20', Add	27.29	
	For Elevated Installation >20' To 25', Add	34.11	
	For Elevated Installation >25' To 30', Add	47.75	
	For Elevated Installation >30' To 35', Add	54.57	
	For Elevated Installation >35' To 40', Add	68.22	
	For Elevated Installation >40', Add	75.04	
	For Work In Restricted Working Space, Add	40.93	
26 05 33 13-0923	EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow .....	1,054.87	88.81
	For Elevated Installation >10' To 15', Add	17.76	
	For Elevated Installation >15' To 20', Add	35.52	
	For Elevated Installation >20' To 25', Add	44.40	
	For Elevated Installation >25' To 30', Add	62.16	
	For Elevated Installation >30' To 35', Add	71.04	
	For Elevated Installation >35' To 40', Add	88.81	
	For Elevated Installation >40', Add	97.69	
	For Work In Restricted Working Space, Add	53.28	
26 05 33 13-0924	EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow .....	1,565.42	144.79
	For Elevated Installation >10' To 15', Add	28.96	
	For Elevated Installation >15' To 20', Add	57.92	
	For Elevated Installation >20' To 25', Add	72.40	
	For Elevated Installation >25' To 30', Add	101.36	
	For Elevated Installation >30' To 35', Add	115.84	
	For Elevated Installation >35' To 40', Add	144.80	
	For Elevated Installation >40', Add	159.27	
	For Work In Restricted Working Space, Add	86.88	
26 05 33 13-0925	EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow .....	1,937.01	217.52
	For Elevated Installation >10' To 15', Add	43.50	
	For Elevated Installation >15' To 20', Add	87.01	
	For Elevated Installation >20' To 25', Add	108.76	
	For Elevated Installation >25' To 30', Add	152.26	
	For Elevated Installation >30' To 35', Add	174.01	
	For Elevated Installation >35' To 40', Add	217.52	
	For Elevated Installation >40', Add	239.27	
	For Work In Restricted Working Space, Add	130.51	

26 05 33 13-0926 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel  
 (RGS) 48" Large Radius Elbows (26 05 33 13-0823)

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0927 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	276.07	24.45
For Elevated Installation >10' To 15', Add	4.89	
For Elevated Installation >15' To 20', Add	9.78	
For Elevated Installation >20' To 25', Add	12.23	
For Elevated Installation >25' To 30', Add	17.12	
For Elevated Installation >30' To 35', Add	19.56	
For Elevated Installation >35' To 40', Add	24.46	
For Elevated Installation >40', Add	26.90	
For Work In Restricted Working Space, Add	14.67	
26 05 33 13-0928 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	325.17	28.32
For Elevated Installation >10' To 15', Add	5.66	
For Elevated Installation >15' To 20', Add	11.33	
For Elevated Installation >20' To 25', Add	14.16	
For Elevated Installation >25' To 30', Add	19.82	
For Elevated Installation >30' To 35', Add	22.65	
For Elevated Installation >35' To 40', Add	28.32	
For Elevated Installation >40', Add	31.15	
For Work In Restricted Working Space, Add	16.99	
26 05 33 13-0929 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	368.10	32.18
For Elevated Installation >10' To 15', Add	6.44	
For Elevated Installation >15' To 20', Add	12.87	
For Elevated Installation >20' To 25', Add	16.09	
For Elevated Installation >25' To 30', Add	22.52	
For Elevated Installation >30' To 35', Add	25.74	
For Elevated Installation >35' To 40', Add	32.18	
For Elevated Installation >40', Add	35.39	
For Work In Restricted Working Space, Add	19.31	
26 05 33 13-0930 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	433.30	35.39
For Elevated Installation >10' To 15', Add	7.08	
For Elevated Installation >15' To 20', Add	14.16	
For Elevated Installation >20' To 25', Add	17.70	
For Elevated Installation >25' To 30', Add	24.78	
For Elevated Installation >30' To 35', Add	28.32	
For Elevated Installation >35' To 40', Add	35.40	
For Elevated Installation >40', Add	38.93	
For Work In Restricted Working Space, Add	21.24	
26 05 33 13-0931 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	601.16	44.41
For Elevated Installation >10' To 15', Add	8.88	
For Elevated Installation >15' To 20', Add	17.76	
For Elevated Installation >20' To 25', Add	22.20	
For Elevated Installation >25' To 30', Add	31.08	
For Elevated Installation >30' To 35', Add	35.52	
For Elevated Installation >35' To 40', Add	44.41	
For Elevated Installation >40', Add	48.85	
For Work In Restricted Working Space, Add	26.64	
26 05 33 13-0932 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	767.83	60.49
For Elevated Installation >10' To 15', Add	12.10	
For Elevated Installation >15' To 20', Add	24.20	
For Elevated Installation >20' To 25', Add	30.25	
For Elevated Installation >25' To 30', Add	42.34	
For Elevated Installation >30' To 35', Add	48.39	
For Elevated Installation >35' To 40', Add	60.49	
For Elevated Installation >40', Add	66.54	
For Work In Restricted Working Space, Add	36.29	
26 05 33 13-0933 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	983.10	68.21
For Elevated Installation >10' To 15', Add	13.64	
For Elevated Installation >15' To 20', Add	27.29	
For Elevated Installation >20' To 25', Add	34.11	
For Elevated Installation >25' To 30', Add	47.75	
For Elevated Installation >30' To 35', Add	54.57	
For Elevated Installation >35' To 40', Add	68.22	
For Elevated Installation >40', Add	75.04	
For Work In Restricted Working Space, Add	40.93	
26 05 33 13-0934 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	1,099.03	88.81
For Elevated Installation >10' To 15', Add	17.76	
For Elevated Installation >15' To 20', Add	35.52	
For Elevated Installation >20' To 25', Add	44.40	
For Elevated Installation >25' To 30', Add	62.16	
For Elevated Installation >30' To 35', Add	71.04	
For Elevated Installation >35' To 40', Add	88.81	
For Elevated Installation >40', Add	97.69	
For Work In Restricted Working Space, Add	53.28	
26 05 33 13-0935 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	1,626.89	144.79
For Elevated Installation >10' To 15', Add	28.96	
For Elevated Installation >15' To 20', Add	57.92	
For Elevated Installation >20' To 25', Add	72.40	
For Elevated Installation >25' To 30', Add	101.36	
For Elevated Installation >30' To 35', Add	115.84	
For Elevated Installation >35' To 40', Add	144.80	
For Elevated Installation >40', Add	159.27	
For Work In Restricted Working Space, Add	86.88	
26 05 33 13-0936 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	1,990.38	217.52
For Elevated Installation >10' To 15', Add	43.50	
For Elevated Installation >15' To 20', Add	87.01	
For Elevated Installation >20' To 25', Add	108.76	
For Elevated Installation >25' To 30', Add	152.26	
For Elevated Installation >30' To 35', Add	174.01	
For Elevated Installation >35' To 40', Add	217.52	
For Elevated Installation >40', Add	239.27	
For Work In Restricted Working Space, Add	130.51	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 05 33 13-0937 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fittings <small>(26 05 33 13-0823)</small>			
26 05 33 13-0938	EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting.....	101.99	16.09
	For Elevated Installation >10' To 15', Add	3.22	
	For Elevated Installation >15' To 20', Add	6.44	
	For Elevated Installation >20' To 25', Add	8.05	
	For Elevated Installation >25' To 30', Add	11.26	
	For Elevated Installation >30' To 35', Add	12.87	
	For Elevated Installation >35' To 40', Add	16.09	
	For Elevated Installation >40', Add	17.70	
	For Work In Restricted Working Space, Add	9.65	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.65	
26 05 33 13-0939	EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting.....	124.80	21.24
	For Elevated Installation >10' To 15', Add	4.25	
	For Elevated Installation >15' To 20', Add	8.49	
	For Elevated Installation >20' To 25', Add	10.62	
	For Elevated Installation >25' To 30', Add	14.86	
	For Elevated Installation >30' To 35', Add	16.99	
	For Elevated Installation >35' To 40', Add	21.24	
	For Elevated Installation >40', Add	23.36	
	For Work In Restricted Working Space, Add	12.74	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.74	
26 05 33 13-0940	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting.....	166.48	24.45
	For Elevated Installation >10' To 15', Add	4.89	
	For Elevated Installation >15' To 20', Add	9.78	
	For Elevated Installation >20' To 25', Add	12.23	
	For Elevated Installation >25' To 30', Add	17.12	
	For Elevated Installation >30' To 35', Add	19.56	
	For Elevated Installation >35' To 40', Add	24.46	
	For Elevated Installation >40', Add	26.90	
	For Work In Restricted Working Space, Add	14.67	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.67	
26 05 33 13-0941	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting.....	273.72	28.32
	For Elevated Installation >10' To 15', Add	5.66	
	For Elevated Installation >15' To 20', Add	11.33	
	For Elevated Installation >20' To 25', Add	14.16	
	For Elevated Installation >25' To 30', Add	19.82	
	For Elevated Installation >30' To 35', Add	22.65	
	For Elevated Installation >35' To 40', Add	28.32	
	For Elevated Installation >40', Add	31.15	
	For Work In Restricted Working Space, Add	16.99	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.99	
26 05 33 13-0942	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting.....	302.20	32.18
	For Elevated Installation >10' To 15', Add	6.44	
	For Elevated Installation >15' To 20', Add	12.87	
	For Elevated Installation >20' To 25', Add	16.09	
	For Elevated Installation >25' To 30', Add	22.52	
	For Elevated Installation >30' To 35', Add	25.74	
	For Elevated Installation >35' To 40', Add	32.18	
	For Elevated Installation >40', Add	35.39	
	For Work In Restricted Working Space, Add	19.31	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.31	
26 05 33 13-0943	EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting.....	381.97	35.39
	For Elevated Installation >10' To 15', Add	7.08	
	For Elevated Installation >15' To 20', Add	14.16	
	For Elevated Installation >20' To 25', Add	17.70	
	For Elevated Installation >25' To 30', Add	24.78	
	For Elevated Installation >30' To 35', Add	28.32	
	For Elevated Installation >35' To 40', Add	35.40	
	For Elevated Installation >40', Add	38.93	
	For Work In Restricted Working Space, Add	21.24	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.24	
26 05 33 13-0944	EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting.....	1,042.04	44.41
	For Elevated Installation >10' To 15', Add	8.88	
	For Elevated Installation >15' To 20', Add	17.76	
	For Elevated Installation >20' To 25', Add	22.20	
	For Elevated Installation >25' To 30', Add	31.08	
	For Elevated Installation >30' To 35', Add	35.52	
	For Elevated Installation >35' To 40', Add	44.40	
	For Elevated Installation >40', Add	48.84	
	For Work In Restricted Working Space, Add	26.64	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.64	
26 05 33 13-0945	EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting.....	1,243.53	60.49
	For Elevated Installation >10' To 15', Add	12.10	
	For Elevated Installation >15' To 20', Add	24.20	
	For Elevated Installation >20' To 25', Add	30.25	
	For Elevated Installation >25' To 30', Add	42.35	
	For Elevated Installation >30' To 35', Add	48.40	
	For Elevated Installation >35' To 40', Add	60.50	
	For Elevated Installation >40', Add	66.54	
	For Work In Restricted Working Space, Add	36.30	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.30	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-0946	EA	4"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,652.06 17.76 35.52 44.40 62.16 71.04 88.80 97.68 53.28 53.28	88.81
<b>26 05 33 13-0947 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fittings <small>(26 05 33 13-0923)</small></b>					
26 05 33 13-0948	EA	1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	97.75 3.22 6.44 8.05 11.26 12.87 16.09 17.70 9.65 9.65	16.09
26 05 33 13-0949	EA	3/4"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	120.00 4.25 8.49 10.62 14.86 16.99 21.24 23.36 12.74 12.74	21.24
26 05 33 13-0950	EA	1"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	166.48 4.89 9.78 12.23 17.12 19.56 24.46 26.90 14.67 14.67	24.45
26 05 33 13-0951	EA	1-1/4"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	271.25 5.66 11.33 14.16 19.82 22.65 28.32 31.15 16.99 16.99	28.32
26 05 33 13-0952	EA	1-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	292.25 6.44 12.87 16.09 22.52 25.74 32.18 35.39 19.31 19.31	32.18
26 05 33 13-0953	EA	2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	382.09 7.08 14.16 17.70 24.78 28.32 35.40 38.93 21.24 21.24	35.39
26 05 33 13-0954	EA	2-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	999.58 8.88 17.76 22.20 31.08 35.52 44.40 48.84 26.64 26.64	44.41

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 05 33 13-0955	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting .....	1,212.56	60.49
		<i>For Elevated Installation &gt;10' To 15', Add</i>	12.10	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	24.20	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	30.25	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	42.35	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	48.40	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	60.50	
		<i>For Elevated Installation &gt;40', Add</i>	66.54	
		<i>For Work In Restricted Working Space, Add</i>	36.30	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.30	
26 05 33 13-0956	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting .....	1,651.99	88.81
		<i>For Elevated Installation &gt;10' To 15', Add</i>	17.76	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	35.52	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	44.40	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	62.16	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	71.04	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	88.80	
		<i>For Elevated Installation &gt;40', Add</i>	97.68	
		<i>For Work In Restricted Working Space, Add</i>	53.28	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53.28	

**26 05 33 13-0957 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fittings**

26 05 33 13-0958	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting .....	88.35	16.09
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.22	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	6.44	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	8.05	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	11.26	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	12.87	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	16.09	
		<i>For Elevated Installation &gt;40', Add</i>	17.70	
		<i>For Work In Restricted Working Space, Add</i>	9.65	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.65	
26 05 33 13-0959	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting .....	105.74	21.24
		<i>For Elevated Installation &gt;10' To 15', Add</i>	4.25	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	8.49	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	10.62	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	14.86	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	16.99	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	21.24	
		<i>For Elevated Installation &gt;40', Add</i>	23.36	
		<i>For Work In Restricted Working Space, Add</i>	12.74	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.74	
26 05 33 13-0960	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting .....	124.79	24.45
		<i>For Elevated Installation &gt;10' To 15', Add</i>	4.89	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	9.78	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	12.23	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	17.12	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	19.56	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	24.46	
		<i>For Elevated Installation &gt;40', Add</i>	26.90	
		<i>For Work In Restricted Working Space, Add</i>	14.67	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.67	
26 05 33 13-0961	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting .....	177.44	28.32
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.66	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	11.33	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	14.16	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	19.82	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	22.65	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	28.32	
		<i>For Elevated Installation &gt;40', Add</i>	31.15	
		<i>For Work In Restricted Working Space, Add</i>	16.99	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.99	
26 05 33 13-0962	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting .....	207.28	32.18
		<i>For Elevated Installation &gt;10' To 15', Add</i>	6.44	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	12.87	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	16.09	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	22.52	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	25.74	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	32.18	
		<i>For Elevated Installation &gt;40', Add</i>	35.39	
		<i>For Work In Restricted Working Space, Add</i>	19.31	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.31	
26 05 33 13-0963	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting .....	320.70	35.39
		<i>For Elevated Installation &gt;10' To 15', Add</i>	7.08	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	14.16	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	17.70	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	24.78	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	28.32	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	35.40	
		<i>For Elevated Installation &gt;40', Add</i>	38.93	
		<i>For Work In Restricted Working Space, Add</i>	21.24	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.24	

	MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0964	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting.....	881.34	44.41
			<i>For Elevated Installation &gt;10' To 15', Add</i>	8.88	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	17.76	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	22.20	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	31.08	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	35.52	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	44.40	
			<i>For Elevated Installation &gt;40', Add</i>	48.84	
			<i>For Work In Restricted Working Space, Add</i>	26.64	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.64	
26 05 33 13-0965	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting.....	991.71	60.49
			<i>For Elevated Installation &gt;10' To 15', Add</i>	12.10	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	24.20	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	30.25	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	42.35	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	48.40	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	60.50	
			<i>For Elevated Installation &gt;40', Add</i>	66.54	
			<i>For Work In Restricted Working Space, Add</i>	36.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.30	
26 05 33 13-0966	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting.....	1,266.10	88.81
			<i>For Elevated Installation &gt;10' To 15', Add</i>	17.76	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	35.52	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	44.40	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	62.16	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	71.04	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	88.80	
			<i>For Elevated Installation &gt;40', Add</i>	97.68	
			<i>For Work In Restricted Working Space, Add</i>	53.28	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53.28	
<b>26 05 33 13-0967 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fittings</b> <small>(26 05 33 13-0823)</small>					
26 05 33 13-0968	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting.....	151.21	16.09
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.22	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.44	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.05	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	11.26	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	12.87	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	16.09	
			<i>For Elevated Installation &gt;40', Add</i>	17.70	
			<i>For Work In Restricted Working Space, Add</i>	9.65	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.65	
26 05 33 13-0969	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting.....	227.98	21.24
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.25	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.49	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.62	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	14.86	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	16.99	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	21.24	
			<i>For Elevated Installation &gt;40', Add</i>	23.36	
			<i>For Work In Restricted Working Space, Add</i>	12.74	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.74	
26 05 33 13-0970	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting.....	286.69	24.45
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.89	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.78	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	12.23	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	17.12	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	19.56	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	24.46	
			<i>For Elevated Installation &gt;40', Add</i>	26.90	
			<i>For Work In Restricted Working Space, Add</i>	14.67	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.67	
26 05 33 13-0971	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting.....	330.92	28.32
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.66	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.33	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	14.16	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	19.82	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	22.65	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	28.32	
			<i>For Elevated Installation &gt;40', Add</i>	31.15	
			<i>For Work In Restricted Working Space, Add</i>	16.99	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.99	
26 05 33 13-0972	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting.....	375.82	32.18
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.44	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	12.87	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	16.09	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	22.52	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	25.74	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	32.18	
			<i>For Elevated Installation &gt;40', Add</i>	35.39	
			<i>For Work In Restricted Working Space, Add</i>	19.31	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.31	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 05 33 13-0973	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded		
		Sealtight Fitting.....	494.80	35.39
		For Elevated Installation >10' To 15', Add	7.08	
		For Elevated Installation >15' To 20', Add	14.16	
		For Elevated Installation >20' To 25', Add	17.70	
		For Elevated Installation >25' To 30', Add	24.78	
		For Elevated Installation >30' To 35', Add	28.32	
		For Elevated Installation >35' To 40', Add	35.40	
		For Elevated Installation >40', Add	38.93	
		For Work In Restricted Working Space, Add	21.24	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.24	
26 05 33 13-0974	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded		
		Sealtight Fitting.....	1,558.87	44.41
		For Elevated Installation >10' To 15', Add	8.88	
		For Elevated Installation >15' To 20', Add	17.76	
		For Elevated Installation >20' To 25', Add	22.20	
		For Elevated Installation >25' To 30', Add	31.08	
		For Elevated Installation >30' To 35', Add	35.52	
		For Elevated Installation >35' To 40', Add	44.40	
		For Elevated Installation >40', Add	48.84	
		For Work In Restricted Working Space, Add	26.64	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.64	
26 05 33 13-0975	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded		
		Sealtight Fitting.....	1,819.94	60.49
		For Elevated Installation >10' To 15', Add	12.10	
		For Elevated Installation >15' To 20', Add	24.20	
		For Elevated Installation >20' To 25', Add	30.25	
		For Elevated Installation >25' To 30', Add	42.35	
		For Elevated Installation >30' To 35', Add	48.40	
		For Elevated Installation >35' To 40', Add	60.50	
		For Elevated Installation >40', Add	66.54	
		For Work In Restricted Working Space, Add	36.30	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.30	
26 05 33 13-0976	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded		
		Sealtight Fitting.....	2,237.25	88.81
		For Elevated Installation >10' To 15', Add	17.76	
		For Elevated Installation >15' To 20', Add	35.52	
		For Elevated Installation >20' To 25', Add	44.40	
		For Elevated Installation >25' To 30', Add	62.16	
		For Elevated Installation >30' To 35', Add	71.04	
		For Elevated Installation >35' To 40', Add	88.80	
		For Elevated Installation >40', Add	97.68	
		For Work In Restricted Working Space, Add	53.28	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	53.28	

**26 05 33 13-0977 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fittings**

(26 05 33 13-0923)

26 05 33 13-0978	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded		
		Sealtight Fitting.....	167.90	16.09
		For Elevated Installation >10' To 15', Add	3.22	
		For Elevated Installation >15' To 20', Add	6.44	
		For Elevated Installation >20' To 25', Add	8.05	
		For Elevated Installation >25' To 30', Add	11.26	
		For Elevated Installation >30' To 35', Add	12.87	
		For Elevated Installation >35' To 40', Add	16.09	
		For Elevated Installation >40', Add	17.70	
		For Work In Restricted Working Space, Add	9.65	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.65	
26 05 33 13-0979	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded		
		Sealtight Fitting.....	243.73	21.24
		For Elevated Installation >10' To 15', Add	4.25	
		For Elevated Installation >15' To 20', Add	8.49	
		For Elevated Installation >20' To 25', Add	10.62	
		For Elevated Installation >25' To 30', Add	14.86	
		For Elevated Installation >30' To 35', Add	16.99	
		For Elevated Installation >35' To 40', Add	21.24	
		For Elevated Installation >40', Add	23.36	
		For Work In Restricted Working Space, Add	12.74	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.74	
26 05 33 13-0980	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded		
		Sealtight Fitting.....	289.68	24.45
		For Elevated Installation >10' To 15', Add	4.89	
		For Elevated Installation >15' To 20', Add	9.78	
		For Elevated Installation >20' To 25', Add	12.23	
		For Elevated Installation >25' To 30', Add	17.12	
		For Elevated Installation >30' To 35', Add	19.56	
		For Elevated Installation >35' To 40', Add	24.46	
		For Elevated Installation >40', Add	26.90	
		For Work In Restricted Working Space, Add	14.67	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.67	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-0981	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	335.86	28.32
	For Elevated Installation >10' To 15', Add	5.66	
	For Elevated Installation >15' To 20', Add	11.33	
	For Elevated Installation >20' To 25', Add	14.16	
	For Elevated Installation >25' To 30', Add	19.82	
	For Elevated Installation >30' To 35', Add	22.65	
	For Elevated Installation >35' To 40', Add	28.32	
	For Elevated Installation >40', Add	31.15	
	For Work In Restricted Working Space, Add	16.99	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.99	
26 05 33 13-0982	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	389.37	32.18
	For Elevated Installation >10' To 15', Add	6.44	
	For Elevated Installation >15' To 20', Add	12.87	
	For Elevated Installation >20' To 25', Add	16.09	
	For Elevated Installation >25' To 30', Add	22.52	
	For Elevated Installation >30' To 35', Add	25.74	
	For Elevated Installation >35' To 40', Add	32.18	
	For Elevated Installation >40', Add	35.39	
	For Work In Restricted Working Space, Add	19.31	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.31	
26 05 33 13-0983	EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	613.85	35.39
	For Elevated Installation >10' To 15', Add	7.08	
	For Elevated Installation >15' To 20', Add	14.16	
	For Elevated Installation >20' To 25', Add	17.70	
	For Elevated Installation >25' To 30', Add	24.78	
	For Elevated Installation >30' To 35', Add	28.32	
	For Elevated Installation >35' To 40', Add	35.40	
	For Elevated Installation >40', Add	38.93	
	For Work In Restricted Working Space, Add	21.24	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.24	
26 05 33 13-0984	EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	1,738.51	44.41
	For Elevated Installation >10' To 15', Add	8.88	
	For Elevated Installation >15' To 20', Add	17.76	
	For Elevated Installation >20' To 25', Add	22.20	
	For Elevated Installation >25' To 30', Add	31.08	
	For Elevated Installation >30' To 35', Add	35.52	
	For Elevated Installation >35' To 40', Add	44.40	
	For Elevated Installation >40', Add	48.84	
	For Work In Restricted Working Space, Add	26.64	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.64	
26 05 33 13-0985	EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	2,447.11	60.49
	For Elevated Installation >10' To 15', Add	12.10	
	For Elevated Installation >15' To 20', Add	24.20	
	For Elevated Installation >20' To 25', Add	30.25	
	For Elevated Installation >25' To 30', Add	42.35	
	For Elevated Installation >30' To 35', Add	48.40	
	For Elevated Installation >35' To 40', Add	60.50	
	For Elevated Installation >40', Add	66.54	
	For Work In Restricted Working Space, Add	36.30	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.30	
26 05 33 13-0986	EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	2,554.74	88.81
	For Elevated Installation >10' To 15', Add	17.76	
	For Elevated Installation >15' To 20', Add	35.52	
	For Elevated Installation >20' To 25', Add	44.40	
	For Elevated Installation >25' To 30', Add	62.16	
	For Elevated Installation >30' To 35', Add	71.04	
	For Elevated Installation >35' To 40', Add	88.80	
	For Elevated Installation >40', Add	97.68	
	For Work In Restricted Working Space, Add	53.28	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	53.28	
<b>26 05 33 13-0987 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fittings</b>			
	<small>(26 05 33 13-0823)</small>		
26 05 33 13-0988	EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	132.82	16.09
	For Elevated Installation >10' To 15', Add	3.22	
	For Elevated Installation >15' To 20', Add	6.44	
	For Elevated Installation >20' To 25', Add	8.05	
	For Elevated Installation >25' To 30', Add	11.26	
	For Elevated Installation >30' To 35', Add	12.87	
	For Elevated Installation >35' To 40', Add	16.09	
	For Elevated Installation >40', Add	17.70	
	For Work In Restricted Working Space, Add	9.65	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.65	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0989	EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	167.57	21.24
	For Elevated Installation >10' To 15', Add	4.25	
	For Elevated Installation >15' To 20', Add	8.49	
	For Elevated Installation >20' To 25', Add	10.62	
	For Elevated Installation >25' To 30', Add	14.86	
	For Elevated Installation >30' To 35', Add	16.99	
	For Elevated Installation >35' To 40', Add	21.24	
	For Elevated Installation >40', Add	23.36	
	For Work In Restricted Working Space, Add	12.74	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.74	
26 05 33 13-0990	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	200.79	24.45
	For Elevated Installation >10' To 15', Add	4.89	
	For Elevated Installation >15' To 20', Add	9.78	
	For Elevated Installation >20' To 25', Add	12.23	
	For Elevated Installation >25' To 30', Add	17.12	
	For Elevated Installation >30' To 35', Add	19.56	
	For Elevated Installation >35' To 40', Add	24.46	
	For Elevated Installation >40', Add	26.90	
	For Work In Restricted Working Space, Add	14.67	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.67	
26 05 33 13-0991	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	222.46	28.32
	For Elevated Installation >10' To 15', Add	5.66	
	For Elevated Installation >15' To 20', Add	11.33	
	For Elevated Installation >20' To 25', Add	14.16	
	For Elevated Installation >25' To 30', Add	19.82	
	For Elevated Installation >30' To 35', Add	22.65	
	For Elevated Installation >35' To 40', Add	28.32	
	For Elevated Installation >40', Add	31.15	
	For Work In Restricted Working Space, Add	16.99	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.99	
26 05 33 13-0992	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	299.70	32.18
	For Elevated Installation >10' To 15', Add	6.44	
	For Elevated Installation >15' To 20', Add	12.87	
	For Elevated Installation >20' To 25', Add	16.09	
	For Elevated Installation >25' To 30', Add	22.52	
	For Elevated Installation >30' To 35', Add	25.74	
	For Elevated Installation >35' To 40', Add	32.18	
	For Elevated Installation >40', Add	35.39	
	For Work In Restricted Working Space, Add	19.31	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.31	
26 05 33 13-0993	EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	423.83	35.39
	For Elevated Installation >10' To 15', Add	7.08	
	For Elevated Installation >15' To 20', Add	14.16	
	For Elevated Installation >20' To 25', Add	17.70	
	For Elevated Installation >25' To 30', Add	24.78	
	For Elevated Installation >30' To 35', Add	28.32	
	For Elevated Installation >35' To 40', Add	35.40	
	For Elevated Installation >40', Add	38.93	
	For Work In Restricted Working Space, Add	21.24	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.24	
26 05 33 13-0994	EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	1,410.09	44.41
	For Elevated Installation >10' To 15', Add	8.88	
	For Elevated Installation >15' To 20', Add	17.76	
	For Elevated Installation >20' To 25', Add	22.20	
	For Elevated Installation >25' To 30', Add	31.08	
	For Elevated Installation >30' To 35', Add	35.52	
	For Elevated Installation >35' To 40', Add	44.40	
	For Elevated Installation >40', Add	48.84	
	For Work In Restricted Working Space, Add	26.64	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.64	
26 05 33 13-0995	EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	1,587.30	60.49
	For Elevated Installation >10' To 15', Add	12.10	
	For Elevated Installation >15' To 20', Add	24.20	
	For Elevated Installation >20' To 25', Add	30.25	
	For Elevated Installation >25' To 30', Add	42.35	
	For Elevated Installation >30' To 35', Add	48.40	
	For Elevated Installation >35' To 40', Add	60.50	
	For Elevated Installation >40', Add	66.54	
	For Work In Restricted Working Space, Add	36.30	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.30	
26 05 33 13-0996	EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	1,885.98	88.81
	For Elevated Installation >10' To 15', Add	17.76	
	For Elevated Installation >15' To 20', Add	35.52	
	For Elevated Installation >20' To 25', Add	44.40	
	For Elevated Installation >25' To 30', Add	62.16	
	For Elevated Installation >30' To 35', Add	71.04	
	For Elevated Installation >35' To 40', Add	88.80	
	For Elevated Installation >40', Add	97.68	
	For Work In Restricted Working Space, Add	53.28	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	53.28	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-0997		<b>Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover</b> <small>(26 05 33 13-0823)</small> Note: Suitable for use in hazardous locations. Class I, Div 2.		
26 05 33 13-0998	EA	1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	119.93	30.89
		For Elevated Installation >10' To 15', Add	6.18	
		For Elevated Installation >15' To 20', Add	12.36	
		For Elevated Installation >20' To 25', Add	15.45	
		For Elevated Installation >25' To 30', Add	21.63	
		For Elevated Installation >30' To 35', Add	24.72	
		For Elevated Installation >35' To 40', Add	30.90	
		For Elevated Installation >40', Add	33.98	
		For Work In Restricted Working Space, Add	18.54	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.54	
26 05 33 13-0999	EA	3/4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	135.25	35.39
		For Elevated Installation >10' To 15', Add	7.08	
		For Elevated Installation >15' To 20', Add	14.16	
		For Elevated Installation >20' To 25', Add	17.70	
		For Elevated Installation >25' To 30', Add	24.77	
		For Elevated Installation >30' To 35', Add	28.31	
		For Elevated Installation >35' To 40', Add	35.39	
		For Elevated Installation >40', Add	38.93	
		For Work In Restricted Working Space, Add	21.23	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.23	
26 05 33 13-1000	EA	1" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	167.35	40.55
		For Elevated Installation >10' To 15', Add	8.11	
		For Elevated Installation >15' To 20', Add	16.22	
		For Elevated Installation >20' To 25', Add	20.27	
		For Elevated Installation >25' To 30', Add	28.38	
		For Elevated Installation >30' To 35', Add	32.44	
		For Elevated Installation >35' To 40', Add	40.55	
		For Elevated Installation >40', Add	44.60	
		For Work In Restricted Working Space, Add	24.33	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.33	
26 05 33 13-1001	EA	1-1/4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	219.18	46.97
		For Elevated Installation >10' To 15', Add	9.40	
		For Elevated Installation >15' To 20', Add	18.79	
		For Elevated Installation >20' To 25', Add	23.49	
		For Elevated Installation >25' To 30', Add	32.89	
		For Elevated Installation >30' To 35', Add	37.58	
		For Elevated Installation >35' To 40', Add	46.98	
		For Elevated Installation >40', Add	51.68	
		For Work In Restricted Working Space, Add	28.19	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.19	
26 05 33 13-1002	EA	1-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	255.87	51.49
		For Elevated Installation >10' To 15', Add	10.30	
		For Elevated Installation >15' To 20', Add	20.59	
		For Elevated Installation >20' To 25', Add	25.74	
		For Elevated Installation >25' To 30', Add	36.04	
		For Elevated Installation >30' To 35', Add	41.18	
		For Elevated Installation >35' To 40', Add	51.48	
		For Elevated Installation >40', Add	56.63	
		For Work In Restricted Working Space, Add	30.89	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.89	
26 05 33 13-1003	EA	2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	348.99	61.78
		For Elevated Installation >10' To 15', Add	12.36	
		For Elevated Installation >15' To 20', Add	24.71	
		For Elevated Installation >20' To 25', Add	30.89	
		For Elevated Installation >25' To 30', Add	43.25	
		For Elevated Installation >30' To 35', Add	49.42	
		For Elevated Installation >35' To 40', Add	61.78	
		For Elevated Installation >40', Add	67.96	
		For Work In Restricted Working Space, Add	37.07	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.07	
26 05 33 13-1004	EA	2-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	587.46	86.88
		For Elevated Installation >10' To 15', Add	17.38	
		For Elevated Installation >15' To 20', Add	34.75	
		For Elevated Installation >20' To 25', Add	43.44	
		For Elevated Installation >25' To 30', Add	60.82	
		For Elevated Installation >30' To 35', Add	69.50	
		For Elevated Installation >35' To 40', Add	86.88	
		For Elevated Installation >40', Add	95.57	
		For Work In Restricted Working Space, Add	52.13	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.13	
26 05 33 13-1005	EA	3" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	752.09	115.84
		For Elevated Installation >10' To 15', Add	23.17	
		For Elevated Installation >15' To 20', Add	46.34	
		For Elevated Installation >20' To 25', Add	57.92	
		For Elevated Installation >25' To 30', Add	81.09	
		For Elevated Installation >30' To 35', Add	92.67	
		For Elevated Installation >35' To 40', Add	115.84	
		For Elevated Installation >40', Add	127.42	
		For Work In Restricted Working Space, Add	69.50	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	69.50	

**26 Electrical**  
**26 05 Common Work Results for Electrical**  
**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 05 33 13-1006	EA	3-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover .....	1,045.69	144.79
		For Elevated Installation >10' To 15', Add	28.96	
		For Elevated Installation >15' To 20', Add	57.92	
		For Elevated Installation >20' To 25', Add	72.40	
		For Elevated Installation >25' To 30', Add	101.36	
		For Elevated Installation >30' To 35', Add	115.84	
		For Elevated Installation >35' To 40', Add	144.80	
		For Elevated Installation >40', Add	159.27	
		For Work In Restricted Working Space, Add	86.88	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	86.88	
26 05 33 13-1007	EA	4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover .....	1,200.20	176.33
		For Elevated Installation >10' To 15', Add	35.27	
		For Elevated Installation >15' To 20', Add	70.53	
		For Elevated Installation >20' To 25', Add	88.17	
		For Elevated Installation >25' To 30', Add	123.43	
		For Elevated Installation >30' To 35', Add	141.06	
		For Elevated Installation >35' To 40', Add	176.33	
		For Elevated Installation >40', Add	193.96	
		For Work In Restricted Working Space, Add	105.80	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	105.80	

**26 05 33 13-1008 Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover**

(26 05 33 13-0823)  
 Note: Suitable for use in hazardous locations. Class 1, Div 2.

26 05 33 13-1009	EA	1/2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover .....	156.67	40.55
		For Elevated Installation >10' To 15', Add	8.11	
		For Elevated Installation >15' To 20', Add	16.22	
		For Elevated Installation >20' To 25', Add	20.27	
		For Elevated Installation >25' To 30', Add	28.38	
		For Elevated Installation >30' To 35', Add	32.43	
		For Elevated Installation >35' To 40', Add	40.54	
		For Elevated Installation >40', Add	44.59	
		For Work In Restricted Working Space, Add	24.32	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.32	
26 05 33 13-1010	EA	3/4" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover .....	178.61	45.05
		For Elevated Installation >10' To 15', Add	9.01	
		For Elevated Installation >15' To 20', Add	18.02	
		For Elevated Installation >20' To 25', Add	22.53	
		For Elevated Installation >25' To 30', Add	31.54	
		For Elevated Installation >30' To 35', Add	36.04	
		For Elevated Installation >35' To 40', Add	45.05	
		For Elevated Installation >40', Add	49.56	
		For Work In Restricted Working Space, Add	27.03	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.03	
26 05 33 13-1011	EA	1" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover .....	218.32	49.55
		For Elevated Installation >10' To 15', Add	9.91	
		For Elevated Installation >15' To 20', Add	19.82	
		For Elevated Installation >20' To 25', Add	24.78	
		For Elevated Installation >25' To 30', Add	34.69	
		For Elevated Installation >30' To 35', Add	39.64	
		For Elevated Installation >35' To 40', Add	49.55	
		For Elevated Installation >40', Add	54.51	
		For Work In Restricted Working Space, Add	29.73	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.73	
26 05 33 13-1012	EA	1-1/4" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover .....	293.91	56.63
		For Elevated Installation >10' To 15', Add	11.33	
		For Elevated Installation >15' To 20', Add	22.65	
		For Elevated Installation >20' To 25', Add	28.32	
		For Elevated Installation >25' To 30', Add	39.64	
		For Elevated Installation >30' To 35', Add	45.30	
		For Elevated Installation >35' To 40', Add	56.63	
		For Elevated Installation >40', Add	62.29	
		For Work In Restricted Working Space, Add	33.98	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.98	
26 05 33 13-1013	EA	1-1/2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover .....	347.48	61.78
		For Elevated Installation >10' To 15', Add	12.36	
		For Elevated Installation >15' To 20', Add	24.71	
		For Elevated Installation >20' To 25', Add	30.89	
		For Elevated Installation >25' To 30', Add	43.25	
		For Elevated Installation >30' To 35', Add	49.42	
		For Elevated Installation >35' To 40', Add	61.78	
		For Elevated Installation >40', Add	67.96	
		For Work In Restricted Working Space, Add	37.07	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.07	
26 05 33 13-1014	EA	2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover .....	473.51	75.94
		For Elevated Installation >10' To 15', Add	15.19	
		For Elevated Installation >15' To 20', Add	30.37	
		For Elevated Installation >20' To 25', Add	37.97	
		For Elevated Installation >25' To 30', Add	53.15	
		For Elevated Installation >30' To 35', Add	60.75	
		For Elevated Installation >35' To 40', Add	75.94	
		For Elevated Installation >40', Add	83.53	
		For Work In Restricted Working Space, Add	45.56	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.56	

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-1015	<b>Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover</b> <small>(26 05 33 13-0823)</small> Note: Suitable for use in hazardous locations. Class I, Div 2.		
26 05 33 13-1016	EA 1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	137.89 7.08 14.16 17.70 24.78 28.32 35.40 38.93 21.24 21.24	35.39
26 05 33 13-1017	EA 3/4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	157.31 8.24 16.47 20.59 28.83 32.95 41.19 45.30 24.71 24.71	41.19
26 05 33 13-1018	EA 1" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	190.50 9.01 18.02 22.53 31.54 36.04 45.05 49.56 27.03 27.03	45.05
26 05 33 13-1019	EA 1-1/4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	244.31 10.30 20.59 25.74 36.04 41.18 51.48 56.63 30.89 30.89	51.49
26 05 33 13-1020	EA 1-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	289.78 11.33 22.65 28.32 39.64 45.30 56.63 62.29 33.98 33.98	56.63
26 05 33 13-1021	EA 2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	388.90 13.26 26.51 33.14 46.40 53.03 66.29 72.91 39.77 39.77	66.29
26 05 33 13-1022	EA 2-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	626.07 19.31 38.61 48.27 67.57 77.23 96.54 106.19 57.92 57.92	96.53
26 05 33 13-1023	EA 3" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	828.77 25.10 50.19 62.74 87.84 100.39 125.49 138.03 75.29 75.29	125.49

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 05 33 13-1024	EA	3-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	1,139.38	154.45
		For Elevated Installation >10' To 15', Add	30.89	
		For Elevated Installation >15' To 20', Add	61.78	
		For Elevated Installation >20' To 25', Add	77.22	
		For Elevated Installation >25' To 30', Add	108.11	
		For Elevated Installation >30' To 35', Add	123.56	
		For Elevated Installation >35' To 40', Add	154.45	
		For Elevated Installation >40', Add	169.89	
		For Work In Restricted Working Space, Add	92.67	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	92.67	
26 05 33 13-1025	EA	4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	1,272.95	185.98
		For Elevated Installation >10' To 15', Add	37.20	
		For Elevated Installation >15' To 20', Add	74.40	
		For Elevated Installation >20' To 25', Add	93.00	
		For Elevated Installation >25' To 30', Add	130.19	
		For Elevated Installation >30' To 35', Add	148.79	
		For Elevated Installation >35' To 40', Add	185.99	
		For Elevated Installation >40', Add	204.59	
		For Work In Restricted Working Space, Add	111.59	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	111.59	

**26 05 33 13-1026 Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined**

26 05 33 13-1027	EA	1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	28.34	3.86
		For Elevated Installation >10' To 15', Add	0.77	
		For Elevated Installation >15' To 20', Add	1.54	
		For Elevated Installation >20' To 25', Add	1.93	
		For Elevated Installation >25' To 30', Add	2.70	
		For Elevated Installation >30' To 35', Add	3.09	
		For Elevated Installation >35' To 40', Add	3.86	
		For Elevated Installation >40', Add	4.25	
		For Work In Restricted Working Space, Add	2.32	
26 05 33 13-1028	EA	3/4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	31.79	4.50
		For Elevated Installation >10' To 15', Add	0.90	
		For Elevated Installation >15' To 20', Add	1.80	
		For Elevated Installation >20' To 25', Add	2.25	
		For Elevated Installation >25' To 30', Add	3.15	
		For Elevated Installation >30' To 35', Add	3.60	
		For Elevated Installation >35' To 40', Add	4.51	
		For Elevated Installation >40', Add	4.96	
		For Work In Restricted Working Space, Add	2.70	
26 05 33 13-1029	EA	1" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	41.45	5.80
		For Elevated Installation >10' To 15', Add	1.16	
		For Elevated Installation >15' To 20', Add	2.32	
		For Elevated Installation >20' To 25', Add	2.90	
		For Elevated Installation >25' To 30', Add	4.05	
		For Elevated Installation >30' To 35', Add	4.63	
		For Elevated Installation >35' To 40', Add	5.79	
		For Elevated Installation >40', Add	6.37	
		For Work In Restricted Working Space, Add	3.47	
26 05 33 13-1030	EA	1-1/4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	53.33	7.08
		For Elevated Installation >10' To 15', Add	1.42	
		For Elevated Installation >15' To 20', Add	2.83	
		For Elevated Installation >20' To 25', Add	3.54	
		For Elevated Installation >25' To 30', Add	4.96	
		For Elevated Installation >30' To 35', Add	5.66	
		For Elevated Installation >35' To 40', Add	7.08	
		For Elevated Installation >40', Add	7.79	
		For Work In Restricted Working Space, Add	4.25	
26 05 33 13-1031	EA	1-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	59.69	8.36
		For Elevated Installation >10' To 15', Add	1.67	
		For Elevated Installation >15' To 20', Add	3.35	
		For Elevated Installation >20' To 25', Add	4.18	
		For Elevated Installation >25' To 30', Add	5.86	
		For Elevated Installation >30' To 35', Add	6.69	
		For Elevated Installation >35' To 40', Add	8.37	
		For Elevated Installation >40', Add	9.20	
		For Work In Restricted Working Space, Add	5.02	
26 05 33 13-1032	EA	2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	73.91	9.66
		For Elevated Installation >10' To 15', Add	1.93	
		For Elevated Installation >15' To 20', Add	3.86	
		For Elevated Installation >20' To 25', Add	4.83	
		For Elevated Installation >25' To 30', Add	6.76	
		For Elevated Installation >30' To 35', Add	7.72	
		For Elevated Installation >35' To 40', Add	9.65	
		For Elevated Installation >40', Add	10.62	
		For Work In Restricted Working Space, Add	5.79	
26 05 33 13-1033	EA	2-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	95.72	10.94
		For Elevated Installation >10' To 15', Add	2.19	
		For Elevated Installation >15' To 20', Add	4.38	
		For Elevated Installation >20' To 25', Add	5.47	
		For Elevated Installation >25' To 30', Add	7.66	
		For Elevated Installation >30' To 35', Add	8.75	
		For Elevated Installation >35' To 40', Add	10.94	
		For Elevated Installation >40', Add	12.03	
		For Work In Restricted Working Space, Add	6.56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-1034 EA 3" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	104.73 3.09 6.18 7.72 10.81 12.36 15.45 16.99 9.27	15.44
26 05 33 13-1035 EA 3-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	127.34 3.48 6.95 8.69 12.16 13.90 17.38 19.11 10.43	17.38
26 05 33 13-1036 EA 4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	136.35 4.38 8.75 10.94 15.32 17.50 21.88 24.07 13.13	21.88
<b>26 05 33 13-1037 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Bodies <small>(26 05 33 13-0623)</small></b>		
26 05 33 13-1038 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	135.55 6.18 12.36 15.45 21.62 24.71 30.89 33.98 18.53 18.53	30.89
26 05 33 13-1039 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	150.12 7.08 14.16 17.70 24.78 28.32 35.40 38.93 21.24 21.24	35.39
26 05 33 13-1040 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	175.33 8.11 16.22 20.27 28.38 32.44 40.55 44.60 24.33 24.33	40.55
26 05 33 13-1041 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	208.10 9.40 18.79 23.49 32.89 37.58 46.98 51.68 28.19 28.19	46.97
26 05 33 13-1042 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	258.98 10.30 20.59 25.74 36.04 41.18 51.48 56.63 30.89 30.89	51.49

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 33 13-1043	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	313.87	61.78
		<i>For Elevated Installation &gt;10' To 15', Add</i>	12.36	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	24.71	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	30.89	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	43.25	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	49.42	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	61.78	
		<i>For Elevated Installation &gt;40', Add</i>	67.96	
		<i>For Work In Restricted Working Space, Add</i>	37.07	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.07	
26 05 33 13-1044	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body .....	454.51	86.88
		<i>For Elevated Installation &gt;10' To 15', Add</i>	17.38	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	34.75	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	43.44	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	60.81	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	69.50	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	86.88	
		<i>For Elevated Installation &gt;40', Add</i>	95.56	
		<i>For Work In Restricted Working Space, Add</i>	52.13	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.13	
26 05 33 13-1045	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	582.82	115.84
		<i>For Elevated Installation &gt;10' To 15', Add</i>	23.17	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	46.33	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	57.92	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	81.08	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	92.67	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	115.84	
		<i>For Elevated Installation &gt;40', Add</i>	127.42	
		<i>For Work In Restricted Working Space, Add</i>	69.50	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69.50	
26 05 33 13-1046	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body .....	1,165.56	144.79
		<i>For Elevated Installation &gt;10' To 15', Add</i>	28.96	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	57.92	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	72.40	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	101.36	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	115.84	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	144.80	
		<i>For Elevated Installation &gt;40', Add</i>	159.27	
		<i>For Work In Restricted Working Space, Add</i>	86.88	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	86.88	
26 05 33 13-1047	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	1,706.72	176.33
		<i>For Elevated Installation &gt;10' To 15', Add</i>	35.27	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	70.53	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	88.17	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	123.43	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	141.06	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	176.33	
		<i>For Elevated Installation &gt;40', Add</i>	193.96	
		<i>For Work In Restricted Working Space, Add</i>	105.80	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.80	

**26 05 33 13-1048 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Bodies** (26 05 33 13-0823)

26 05 33 13-1049	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	231.57	30.89
		<i>For Elevated Installation &gt;10' To 15', Add</i>	6.18	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	12.36	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	15.45	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	21.62	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	24.71	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	30.89	
		<i>For Elevated Installation &gt;40', Add</i>	33.98	
		<i>For Work In Restricted Working Space, Add</i>	18.53	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.53	
26 05 33 13-1050	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	249.40	35.39
		<i>For Elevated Installation &gt;10' To 15', Add</i>	7.08	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	14.16	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	17.70	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	24.78	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	28.32	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	35.40	
		<i>For Elevated Installation &gt;40', Add</i>	38.93	
		<i>For Work In Restricted Working Space, Add</i>	21.24	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.24	
26 05 33 13-1051	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	284.80	40.55
		<i>For Elevated Installation &gt;10' To 15', Add</i>	8.11	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	16.22	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	20.27	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	28.38	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	32.44	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	40.55	
		<i>For Elevated Installation &gt;40', Add</i>	44.60	
		<i>For Work In Restricted Working Space, Add</i>	24.33	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.33	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1052	EA			1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body ..... 318.81	46.97	
				For Elevated Installation >10' To 15', Add	9.40	
				For Elevated Installation >15' To 20', Add	18.79	
				For Elevated Installation >20' To 25', Add	23.49	
				For Elevated Installation >25' To 30', Add	32.89	
				For Elevated Installation >30' To 35', Add	37.58	
				For Elevated Installation >35' To 40', Add	46.98	
				For Elevated Installation >40', Add	51.68	
				For Work In Restricted Working Space, Add	28.19	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.19	
26 05 33 13-1053	EA			1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body ..... 386.43	51.49	
				For Elevated Installation >10' To 15', Add	10.30	
				For Elevated Installation >15' To 20', Add	20.59	
				For Elevated Installation >20' To 25', Add	25.74	
				For Elevated Installation >25' To 30', Add	36.04	
				For Elevated Installation >30' To 35', Add	41.18	
				For Elevated Installation >35' To 40', Add	51.48	
				For Elevated Installation >40', Add	56.63	
				For Work In Restricted Working Space, Add	30.89	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.89	
26 05 33 13-1054	EA			2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body ..... 435.10	61.78	
				For Elevated Installation >10' To 15', Add	12.36	
				For Elevated Installation >15' To 20', Add	24.71	
				For Elevated Installation >20' To 25', Add	30.89	
				For Elevated Installation >25' To 30', Add	43.25	
				For Elevated Installation >30' To 35', Add	49.42	
				For Elevated Installation >35' To 40', Add	61.78	
				For Elevated Installation >40', Add	67.96	
				For Work In Restricted Working Space, Add	37.07	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.07	
26 05 33 13-1055	EA			2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body ..... 612.14	86.88	
				For Elevated Installation >10' To 15', Add	17.38	
				For Elevated Installation >15' To 20', Add	34.75	
				For Elevated Installation >20' To 25', Add	43.44	
				For Elevated Installation >25' To 30', Add	60.81	
				For Elevated Installation >30' To 35', Add	69.50	
				For Elevated Installation >35' To 40', Add	86.88	
				For Elevated Installation >40', Add	95.56	
				For Work In Restricted Working Space, Add	52.13	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.13	
26 05 33 13-1056	EA			3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body ..... 852.77	115.84	
				For Elevated Installation >10' To 15', Add	23.17	
				For Elevated Installation >15' To 20', Add	46.33	
				For Elevated Installation >20' To 25', Add	57.92	
				For Elevated Installation >25' To 30', Add	81.08	
				For Elevated Installation >30' To 35', Add	92.67	
				For Elevated Installation >35' To 40', Add	115.84	
				For Elevated Installation >40', Add	127.42	
				For Work In Restricted Working Space, Add	69.50	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	69.50	
26 05 33 13-1057	EA			3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body ..... 1,243.95	144.79	
				For Elevated Installation >10' To 15', Add	28.96	
				For Elevated Installation >15' To 20', Add	57.92	
				For Elevated Installation >20' To 25', Add	72.40	
				For Elevated Installation >25' To 30', Add	101.36	
				For Elevated Installation >30' To 35', Add	115.84	
				For Elevated Installation >35' To 40', Add	144.80	
				For Elevated Installation >40', Add	159.27	
				For Work In Restricted Working Space, Add	86.88	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	86.88	
26 05 33 13-1058	EA			4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body ..... 1,809.31	176.33	
				For Elevated Installation >10' To 15', Add	35.27	
				For Elevated Installation >15' To 20', Add	70.53	
				For Elevated Installation >20' To 25', Add	88.17	
				For Elevated Installation >25' To 30', Add	123.43	
				For Elevated Installation >30' To 35', Add	141.06	
				For Elevated Installation >35' To 40', Add	176.33	
				For Elevated Installation >40', Add	193.96	
				For Work In Restricted Working Space, Add	105.80	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	105.80	
26 05 33 13-1059				<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Bodies</b> <small>(26 05 33 13-0823)</small>		
26 05 33 13-1060	EA			1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body ..... 185.34	30.89	
				For Elevated Installation >10' To 15', Add	6.18	
				For Elevated Installation >15' To 20', Add	12.36	
				For Elevated Installation >20' To 25', Add	15.45	
				For Elevated Installation >25' To 30', Add	21.62	
				For Elevated Installation >30' To 35', Add	24.71	
				For Elevated Installation >35' To 40', Add	30.89	
				For Elevated Installation >40', Add	33.98	
				For Work In Restricted Working Space, Add	18.53	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.53	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-1061	EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body.....	197.64	35.39
	For Elevated Installation >10' To 15', Add	7.08	
	For Elevated Installation >15' To 20', Add	14.16	
	For Elevated Installation >20' To 25', Add	17.70	
	For Elevated Installation >25' To 30', Add	24.78	
	For Elevated Installation >30' To 35', Add	28.32	
	For Elevated Installation >35' To 40', Add	35.40	
	For Elevated Installation >40', Add	38.93	
	For Work In Restricted Working Space, Add	21.24	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.24	
26 05 33 13-1062	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body.....	227.07	40.55
	For Elevated Installation >10' To 15', Add	8.11	
	For Elevated Installation >15' To 20', Add	16.22	
	For Elevated Installation >20' To 25', Add	20.27	
	For Elevated Installation >25' To 30', Add	28.38	
	For Elevated Installation >30' To 35', Add	32.44	
	For Elevated Installation >35' To 40', Add	40.55	
	For Elevated Installation >40', Add	44.60	
	For Work In Restricted Working Space, Add	24.33	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.33	
26 05 33 13-1063	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body.....	253.34	46.97
	For Elevated Installation >10' To 15', Add	9.40	
	For Elevated Installation >15' To 20', Add	18.79	
	For Elevated Installation >20' To 25', Add	23.49	
	For Elevated Installation >25' To 30', Add	32.89	
	For Elevated Installation >30' To 35', Add	37.58	
	For Elevated Installation >35' To 40', Add	46.98	
	For Elevated Installation >40', Add	51.68	
	For Work In Restricted Working Space, Add	28.19	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.19	
26 05 33 13-1064	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body.....	348.31	51.49
	For Elevated Installation >10' To 15', Add	10.30	
	For Elevated Installation >15' To 20', Add	20.59	
	For Elevated Installation >20' To 25', Add	25.74	
	For Elevated Installation >25' To 30', Add	36.04	
	For Elevated Installation >30' To 35', Add	41.18	
	For Elevated Installation >35' To 40', Add	51.48	
	For Elevated Installation >40', Add	56.63	
	For Work In Restricted Working Space, Add	30.89	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.89	
26 05 33 13-1065	EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body.....	437.41	61.78
	For Elevated Installation >10' To 15', Add	12.36	
	For Elevated Installation >15' To 20', Add	24.71	
	For Elevated Installation >20' To 25', Add	30.89	
	For Elevated Installation >25' To 30', Add	43.25	
	For Elevated Installation >30' To 35', Add	49.42	
	For Elevated Installation >35' To 40', Add	61.78	
	For Elevated Installation >40', Add	67.96	
	For Work In Restricted Working Space, Add	37.07	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.07	
26 05 33 13-1066	EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body.....	679.17	86.88
	For Elevated Installation >10' To 15', Add	17.38	
	For Elevated Installation >15' To 20', Add	34.75	
	For Elevated Installation >20' To 25', Add	43.44	
	For Elevated Installation >25' To 30', Add	60.81	
	For Elevated Installation >30' To 35', Add	69.50	
	For Elevated Installation >35' To 40', Add	86.88	
	For Elevated Installation >40', Add	95.56	
	For Work In Restricted Working Space, Add	52.13	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.13	
26 05 33 13-1067	EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body.....	989.16	115.84
	For Elevated Installation >10' To 15', Add	23.17	
	For Elevated Installation >15' To 20', Add	46.33	
	For Elevated Installation >20' To 25', Add	57.92	
	For Elevated Installation >25' To 30', Add	81.08	
	For Elevated Installation >30' To 35', Add	92.67	
	For Elevated Installation >35' To 40', Add	115.84	
	For Elevated Installation >40', Add	127.42	
	For Work In Restricted Working Space, Add	69.50	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	69.50	
26 05 33 13-1068	EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body.....	1,243.95	144.79
	For Elevated Installation >10' To 15', Add	28.96	
	For Elevated Installation >15' To 20', Add	57.92	
	For Elevated Installation >20' To 25', Add	72.40	
	For Elevated Installation >25' To 30', Add	101.36	
	For Elevated Installation >30' To 35', Add	115.84	
	For Elevated Installation >35' To 40', Add	144.80	
	For Elevated Installation >40', Add	159.27	
	For Work In Restricted Working Space, Add	86.88	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	86.88	
26 05 33 13-1069	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Bodies (26 05 33 13-0623)		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-1070 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	245.13 6.18 12.36 15.45 21.62 24.71 30.89 33.98 18.53 18.53	30.89
26 05 33 13-1071 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	272.03 7.08 14.16 17.70 24.78 28.32 35.40 38.93 21.24 21.24	35.39
26 05 33 13-1072 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	337.16 8.11 16.22 20.27 28.38 32.44 40.55 44.60 24.33 24.33	40.55
26 05 33 13-1073 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	415.65 9.40 18.79 23.49 32.89 37.58 46.98 51.68 28.19 28.19	46.97
26 05 33 13-1074 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	577.62 10.30 20.59 25.74 36.04 41.18 51.48 56.63 30.89 30.89	51.49
26 05 33 13-1075 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	692.28 12.36 24.71 30.89 43.25 49.42 61.78 67.96 37.07 37.07	61.78

**26 05 33 13-1076 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Couplings** (26 05 33 13-0823)

26 05 33 13-1077 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	47.21 2.48 4.95 6.19 8.66 9.90 12.38 13.61 7.43	12.38
26 05 33 13-1078 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	62.62 2.97 5.94 7.43 10.40 11.88 14.85 16.34 8.91	14.85

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-1079	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling .....	79.56	19.80
	For Elevated Installation >10' To 15', Add	3.96	
	For Elevated Installation >15' To 20', Add	7.92	
	For Elevated Installation >20' To 25', Add	9.90	
	For Elevated Installation >25' To 30', Add	13.86	
	For Elevated Installation >30' To 35', Add	15.84	
	For Elevated Installation >35' To 40', Add	19.80	
	For Elevated Installation >40', Add	21.78	
	For Work In Restricted Working Space, Add	11.88	
26 05 33 13-1080	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling .....	109.48	24.75
	For Elevated Installation >10' To 15', Add	4.95	
	For Elevated Installation >15' To 20', Add	9.90	
	For Elevated Installation >20' To 25', Add	12.38	
	For Elevated Installation >25' To 30', Add	17.33	
	For Elevated Installation >30' To 35', Add	19.80	
	For Elevated Installation >35' To 40', Add	24.75	
	For Elevated Installation >40', Add	27.23	
	For Work In Restricted Working Space, Add	14.85	
26 05 33 13-1081	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling .....	143.67	29.70
	For Elevated Installation >10' To 15', Add	5.94	
	For Elevated Installation >15' To 20', Add	11.88	
	For Elevated Installation >20' To 25', Add	14.85	
	For Elevated Installation >25' To 30', Add	20.79	
	For Elevated Installation >30' To 35', Add	23.76	
	For Elevated Installation >35' To 40', Add	29.70	
	For Elevated Installation >40', Add	32.67	
	For Work In Restricted Working Space, Add	17.82	
26 05 33 13-1082	EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling .....	247.49	34.65
	For Elevated Installation >10' To 15', Add	6.93	
	For Elevated Installation >15' To 20', Add	13.86	
	For Elevated Installation >20' To 25', Add	17.33	
	For Elevated Installation >25' To 30', Add	24.26	
	For Elevated Installation >30' To 35', Add	27.72	
	For Elevated Installation >35' To 40', Add	34.66	
	For Elevated Installation >40', Add	38.12	
	For Work In Restricted Working Space, Add	20.79	
26 05 33 13-1083	EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling .....	359.72	39.60
	For Elevated Installation >10' To 15', Add	7.92	
	For Elevated Installation >15' To 20', Add	15.84	
	For Elevated Installation >20' To 25', Add	19.80	
	For Elevated Installation >25' To 30', Add	27.72	
	For Elevated Installation >30' To 35', Add	31.68	
	For Elevated Installation >35' To 40', Add	39.60	
	For Elevated Installation >40', Add	43.56	
	For Work In Restricted Working Space, Add	23.76	
26 05 33 13-1084	EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling .....	448.83	44.56
	For Elevated Installation >10' To 15', Add	8.91	
	For Elevated Installation >15' To 20', Add	17.82	
	For Elevated Installation >20' To 25', Add	22.28	
	For Elevated Installation >25' To 30', Add	31.19	
	For Elevated Installation >30' To 35', Add	35.64	
	For Elevated Installation >35' To 40', Add	44.55	
	For Elevated Installation >40', Add	49.01	
	For Work In Restricted Working Space, Add	26.73	
26 05 33 13-1085	EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling .....	624.85	51.98
	For Elevated Installation >10' To 15', Add	10.40	
	For Elevated Installation >15' To 20', Add	20.79	
	For Elevated Installation >20' To 25', Add	25.99	
	For Elevated Installation >25' To 30', Add	36.39	
	For Elevated Installation >30' To 35', Add	41.58	
	For Elevated Installation >35' To 40', Add	51.98	
	For Elevated Installation >40', Add	57.18	
	For Work In Restricted Working Space, Add	31.19	
26 05 33 13-1086	EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling .....	758.71	59.40
	For Elevated Installation >10' To 15', Add	11.88	
	For Elevated Installation >15' To 20', Add	23.76	
	For Elevated Installation >20' To 25', Add	29.70	
	For Elevated Installation >25' To 30', Add	41.58	
	For Elevated Installation >30' To 35', Add	47.52	
	For Elevated Installation >35' To 40', Add	59.41	
	For Elevated Installation >40', Add	65.35	
	For Work In Restricted Working Space, Add	35.64	
26 05 33 13-1087	EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling .....	1,214.33	94.06
	For Elevated Installation >10' To 15', Add	18.81	
	For Elevated Installation >15' To 20', Add	37.62	
	For Elevated Installation >20' To 25', Add	47.03	
	For Elevated Installation >25' To 30', Add	65.84	
	For Elevated Installation >30' To 35', Add	75.24	
	For Elevated Installation >35' To 40', Add	94.06	
	For Elevated Installation >40', Add	103.46	
	For Work In Restricted Working Space, Add	56.43	
26 05 33 13-1088	EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling .....	1,659.83	143.56
	For Elevated Installation >10' To 15', Add	28.71	
	For Elevated Installation >15' To 20', Add	57.42	
	For Elevated Installation >20' To 25', Add	71.78	
	For Elevated Installation >25' To 30', Add	100.49	
	For Elevated Installation >30' To 35', Add	114.85	
	For Elevated Installation >35' To 40', Add	143.56	
	For Elevated Installation >40', Add	157.92	
	For Work In Restricted Working Space, Add	86.14	

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>26 05 33 13-1089</b>	<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbows</b> <small>(26 05 33 13-0823)</small>		
26 05 33 13-1090	EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	174.79	30.89
	For Elevated Installation >10' To 15', Add	6.18	
	For Elevated Installation >15' To 20', Add	12.36	
	For Elevated Installation >20' To 25', Add	15.45	
	For Elevated Installation >25' To 30', Add	21.62	
	For Elevated Installation >30' To 35', Add	24.71	
	For Elevated Installation >35' To 40', Add	30.89	
	For Elevated Installation >40', Add	33.98	
	For Work In Restricted Working Space, Add	18.53	
26 05 33 13-1091	EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	206.66	34.11
	For Elevated Installation >10' To 15', Add	6.82	
	For Elevated Installation >15' To 20', Add	13.64	
	For Elevated Installation >20' To 25', Add	17.05	
	For Elevated Installation >25' To 30', Add	23.87	
	For Elevated Installation >30' To 35', Add	27.28	
	For Elevated Installation >35' To 40', Add	34.11	
	For Elevated Installation >40', Add	37.52	
	For Work In Restricted Working Space, Add	20.46	
26 05 33 13-1092	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	228.03	40.55
	For Elevated Installation >10' To 15', Add	8.11	
	For Elevated Installation >15' To 20', Add	16.22	
	For Elevated Installation >20' To 25', Add	20.27	
	For Elevated Installation >25' To 30', Add	28.38	
	For Elevated Installation >30' To 35', Add	32.44	
	For Elevated Installation >35' To 40', Add	40.55	
	For Elevated Installation >40', Add	44.60	
	For Work In Restricted Working Space, Add	24.33	
26 05 33 13-1093	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	327.78	46.97
	For Elevated Installation >10' To 15', Add	9.40	
	For Elevated Installation >15' To 20', Add	18.79	
	For Elevated Installation >20' To 25', Add	23.49	
	For Elevated Installation >25' To 30', Add	32.89	
	For Elevated Installation >30' To 35', Add	37.58	
	For Elevated Installation >35' To 40', Add	46.98	
	For Elevated Installation >40', Add	51.68	
	For Work In Restricted Working Space, Add	28.19	
26 05 33 13-1094	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	432.44	51.49
	For Elevated Installation >10' To 15', Add	10.30	
	For Elevated Installation >15' To 20', Add	20.59	
	For Elevated Installation >20' To 25', Add	25.74	
	For Elevated Installation >25' To 30', Add	36.04	
	For Elevated Installation >30' To 35', Add	41.18	
	For Elevated Installation >35' To 40', Add	51.48	
	For Elevated Installation >40', Add	56.63	
	For Work In Restricted Working Space, Add	30.89	
26 05 33 13-1095	EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	466.73	61.78
	For Elevated Installation >10' To 15', Add	12.36	
	For Elevated Installation >15' To 20', Add	24.71	
	For Elevated Installation >20' To 25', Add	30.89	
	For Elevated Installation >25' To 30', Add	43.25	
	For Elevated Installation >30' To 35', Add	49.42	
	For Elevated Installation >35' To 40', Add	61.78	
	For Elevated Installation >40', Add	67.96	
	For Work In Restricted Working Space, Add	37.07	
26 05 33 13-1096	EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	1,102.87	85.59
	For Elevated Installation >10' To 15', Add	17.12	
	For Elevated Installation >15' To 20', Add	34.24	
	For Elevated Installation >20' To 25', Add	42.80	
	For Elevated Installation >25' To 30', Add	59.92	
	For Elevated Installation >30' To 35', Add	68.48	
	For Elevated Installation >35' To 40', Add	85.60	
	For Elevated Installation >40', Add	94.15	
	For Work In Restricted Working Space, Add	51.36	
26 05 33 13-1097	EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	1,163.58	115.84
	For Elevated Installation >10' To 15', Add	23.17	
	For Elevated Installation >15' To 20', Add	46.34	
	For Elevated Installation >20' To 25', Add	57.92	
	For Elevated Installation >25' To 30', Add	81.09	
	For Elevated Installation >30' To 35', Add	92.67	
	For Elevated Installation >35' To 40', Add	115.84	
	For Elevated Installation >40', Add	127.42	
	For Work In Restricted Working Space, Add	69.50	
26 05 33 13-1098	EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	1,903.81	144.79
	For Elevated Installation >10' To 15', Add	28.96	
	For Elevated Installation >15' To 20', Add	57.92	
	For Elevated Installation >20' To 25', Add	72.40	
	For Elevated Installation >25' To 30', Add	101.36	
	For Elevated Installation >30' To 35', Add	115.84	
	For Elevated Installation >35' To 40', Add	144.80	
	For Elevated Installation >40', Add	159.28	
	For Work In Restricted Working Space, Add	86.88	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 33 13-1099	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	1,982.54	176.33
		<i>For Elevated Installation &gt;10' To 15', Add</i>	35.27	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	70.54	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	88.17	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	123.44	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	141.07	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	176.34	
		<i>For Elevated Installation &gt;40', Add</i>	193.97	
		<i>For Work In Restricted Working Space, Add</i>	105.80	

**26 05 33 13-1100 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbows (26 05 33 13-0623)**

26 05 33 13-1101	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	255.23	30.89
		<i>For Elevated Installation &gt;10' To 15', Add</i>	6.18	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	12.36	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	15.45	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	21.62	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	24.71	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	30.89	
		<i>For Elevated Installation &gt;40', Add</i>	33.98	
		<i>For Work In Restricted Working Space, Add</i>	18.53	
26 05 33 13-1102	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	290.75	35.39
		<i>For Elevated Installation &gt;10' To 15', Add</i>	7.08	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	14.16	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	17.70	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	24.78	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	28.32	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	35.40	
		<i>For Elevated Installation &gt;40', Add</i>	38.93	
		<i>For Work In Restricted Working Space, Add</i>	21.24	
26 05 33 13-1103	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	574.05	40.55
		<i>For Elevated Installation &gt;10' To 15', Add</i>	8.11	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	16.22	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	20.27	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	28.38	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	32.44	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	40.55	
		<i>For Elevated Installation &gt;40', Add</i>	44.60	
		<i>For Work In Restricted Working Space, Add</i>	24.33	
26 05 33 13-1104	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	602.14	46.97
		<i>For Elevated Installation &gt;10' To 15', Add</i>	9.40	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	18.79	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	23.49	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	32.89	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	37.58	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	46.98	
		<i>For Elevated Installation &gt;40', Add</i>	51.68	
		<i>For Work In Restricted Working Space, Add</i>	28.19	
26 05 33 13-1105	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	823.26	51.49
		<i>For Elevated Installation &gt;10' To 15', Add</i>	10.30	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	20.59	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	25.74	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	36.04	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	41.18	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	51.48	
		<i>For Elevated Installation &gt;40', Add</i>	56.63	
		<i>For Work In Restricted Working Space, Add</i>	30.89	
26 05 33 13-1106	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	878.03	61.78
		<i>For Elevated Installation &gt;10' To 15', Add</i>	12.36	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	24.71	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	30.89	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	43.25	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	49.42	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	61.78	
		<i>For Elevated Installation &gt;40', Add</i>	67.96	
		<i>For Work In Restricted Working Space, Add</i>	37.07	
26 05 33 13-1107	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	1,688.70	86.88
		<i>For Elevated Installation &gt;10' To 15', Add</i>	17.38	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	34.75	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	43.44	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	60.81	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	69.50	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	86.88	
		<i>For Elevated Installation &gt;40', Add</i>	95.56	
		<i>For Work In Restricted Working Space, Add</i>	52.13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1108 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	1,776.57	115.84
For Elevated Installation >10' To 15', Add	23.17	
For Elevated Installation >15' To 20', Add	46.33	
For Elevated Installation >20' To 25', Add	57.92	
For Elevated Installation >25' To 30', Add	81.08	
For Elevated Installation >30' To 35', Add	92.67	
For Elevated Installation >35' To 40', Add	115.84	
For Elevated Installation >40', Add	127.42	
For Work In Restricted Working Space, Add	69.50	
26 05 33 13-1109 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	2,603.03	144.79
For Elevated Installation >10' To 15', Add	28.96	
For Elevated Installation >15' To 20', Add	57.92	
For Elevated Installation >20' To 25', Add	72.40	
For Elevated Installation >25' To 30', Add	101.36	
For Elevated Installation >30' To 35', Add	115.84	
For Elevated Installation >35' To 40', Add	144.80	
For Elevated Installation >40', Add	159.27	
For Work In Restricted Working Space, Add	86.88	
26 05 33 13-1110 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	2,947.31	176.33
For Elevated Installation >10' To 15', Add	35.27	
For Elevated Installation >15' To 20', Add	70.53	
For Elevated Installation >20' To 25', Add	88.17	
For Elevated Installation >25' To 30', Add	123.43	
For Elevated Installation >30' To 35', Add	141.06	
For Elevated Installation >35' To 40', Add	176.33	
For Elevated Installation >40', Add	193.96	
For Work In Restricted Working Space, Add	105.80	
<b>26 05 33 13-1111 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbows</b> <small>(26 05 33 13-0823)</small>		
26 05 33 13-1112 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow.....	97.85	16.09
For Elevated Installation >10' To 15', Add	3.22	
For Elevated Installation >15' To 20', Add	6.44	
For Elevated Installation >20' To 25', Add	8.05	
For Elevated Installation >25' To 30', Add	11.26	
For Elevated Installation >30' To 35', Add	12.87	
For Elevated Installation >35' To 40', Add	16.09	
For Elevated Installation >40', Add	17.70	
For Work In Restricted Working Space, Add	9.65	
26 05 33 13-1113 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow.....	113.84	19.95
For Elevated Installation >10' To 15', Add	3.99	
For Elevated Installation >15' To 20', Add	7.98	
For Elevated Installation >20' To 25', Add	9.98	
For Elevated Installation >25' To 30', Add	13.97	
For Elevated Installation >30' To 35', Add	15.96	
For Elevated Installation >35' To 40', Add	19.95	
For Elevated Installation >40', Add	21.95	
For Work In Restricted Working Space, Add	11.97	
26 05 33 13-1114 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow.....	135.60	24.45
For Elevated Installation >10' To 15', Add	4.89	
For Elevated Installation >15' To 20', Add	9.78	
For Elevated Installation >20' To 25', Add	12.23	
For Elevated Installation >25' To 30', Add	17.12	
For Elevated Installation >30' To 35', Add	19.56	
For Elevated Installation >35' To 40', Add	24.46	
For Elevated Installation >40', Add	26.90	
For Work In Restricted Working Space, Add	14.67	
26 05 33 13-1115 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow.....	160.08	28.32
For Elevated Installation >10' To 15', Add	5.66	
For Elevated Installation >15' To 20', Add	11.33	
For Elevated Installation >20' To 25', Add	14.16	
For Elevated Installation >25' To 30', Add	19.82	
For Elevated Installation >30' To 35', Add	22.65	
For Elevated Installation >35' To 40', Add	28.32	
For Elevated Installation >40', Add	31.15	
For Work In Restricted Working Space, Add	16.99	
<b>26 05 33 13-1116 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbows</b> <small>(26 05 33 13-0823)</small>		
26 05 33 13-1117 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	76.89	16.09
For Elevated Installation >10' To 15', Add	3.22	
For Elevated Installation >15' To 20', Add	6.44	
For Elevated Installation >20' To 25', Add	8.05	
For Elevated Installation >25' To 30', Add	11.26	
For Elevated Installation >30' To 35', Add	12.87	
For Elevated Installation >35' To 40', Add	16.09	
For Elevated Installation >40', Add	17.70	
For Work In Restricted Working Space, Add	9.65	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 05 33 13-1118	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	88.69	19.95
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.99	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	7.98	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	9.98	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	13.97	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	15.96	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	19.95	
		<i>For Elevated Installation &gt;40', Add</i>	21.95	
		<i>For Work In Restricted Working Space, Add</i>	11.97	
26 05 33 13-1119	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	123.35	24.45
		<i>For Elevated Installation &gt;10' To 15', Add</i>	4.89	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	9.78	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	12.23	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	17.12	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	19.56	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	24.46	
		<i>For Elevated Installation &gt;40', Add</i>	26.90	
		<i>For Work In Restricted Working Space, Add</i>	14.67	
26 05 33 13-1120	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	160.17	28.32
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.66	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	11.33	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	14.16	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	19.82	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	22.65	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	28.32	
		<i>For Elevated Installation &gt;40', Add</i>	31.15	
		<i>For Work In Restricted Working Space, Add</i>	16.99	
26 05 33 13-1121	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	195.30	32.18
		<i>For Elevated Installation &gt;10' To 15', Add</i>	6.44	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	12.87	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	16.09	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	22.52	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	25.74	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	32.18	
		<i>For Elevated Installation &gt;40', Add</i>	35.39	
		<i>For Work In Restricted Working Space, Add</i>	19.31	
26 05 33 13-1122	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	281.33	35.39
		<i>For Elevated Installation &gt;10' To 15', Add</i>	7.08	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	14.16	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	17.70	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	24.78	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	28.32	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	35.40	
		<i>For Elevated Installation &gt;40', Add</i>	38.93	
		<i>For Work In Restricted Working Space, Add</i>	21.24	
26 05 33 13-1123	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	384.65	44.41
		<i>For Elevated Installation &gt;10' To 15', Add</i>	8.88	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	17.76	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	22.20	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	31.08	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	35.52	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	44.41	
		<i>For Elevated Installation &gt;40', Add</i>	48.85	
		<i>For Work In Restricted Working Space, Add</i>	26.64	
26 05 33 13-1124		<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbows</b> <small>(26 05 33 13-0823)</small>		
26 05 33 13-1125	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow.....	97.89	16.09
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.22	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	6.44	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	8.05	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	11.26	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	12.87	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	16.09	
		<i>For Elevated Installation &gt;40', Add</i>	17.70	
		<i>For Work In Restricted Working Space, Add</i>	9.65	
26 05 33 13-1126	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow.....	116.74	19.95
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.99	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	7.98	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	9.98	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	13.97	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	15.96	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	19.95	
		<i>For Elevated Installation &gt;40', Add</i>	21.95	
		<i>For Work In Restricted Working Space, Add</i>	11.97	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1127	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow .....	135.62	24.45
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.89	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.78	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	12.23	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	17.12	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	19.56	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	24.46	
			<i>For Elevated Installation &gt;40', Add</i>	26.90	
			<i>For Work In Restricted Working Space, Add</i>	14.67	
26 05 33 13-1128	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow .....	160.13	28.32
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.66	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.33	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	14.16	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	19.82	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	22.65	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	28.32	
			<i>For Elevated Installation &gt;40', Add</i>	31.15	
			<i>For Work In Restricted Working Space, Add</i>	16.99	
26 05 33 13-1129			<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbows</b> <small>(26 05 33 13-0823)</small>		
26 05 33 13-1130	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow .....	76.96	16.09
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.22	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.44	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.05	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	11.26	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	12.87	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	16.09	
			<i>For Elevated Installation &gt;40', Add</i>	17.70	
			<i>For Work In Restricted Working Space, Add</i>	9.65	
26 05 33 13-1131	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow .....	88.69	19.95
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.99	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.98	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	9.98	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	13.97	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	15.96	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	19.95	
			<i>For Elevated Installation &gt;40', Add</i>	21.95	
			<i>For Work In Restricted Working Space, Add</i>	11.97	
26 05 33 13-1132	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow .....	114.67	24.45
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.89	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.78	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	12.23	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	17.12	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	19.56	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	24.46	
			<i>For Elevated Installation &gt;40', Add</i>	26.90	
			<i>For Work In Restricted Working Space, Add</i>	14.67	
26 05 33 13-1133	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow .....	143.32	28.32
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.66	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.33	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	14.16	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	19.82	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	22.65	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	28.32	
			<i>For Elevated Installation &gt;40', Add</i>	31.15	
			<i>For Work In Restricted Working Space, Add</i>	16.99	
26 05 33 13-1134	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow .....	167.85	32.18
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.44	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	12.87	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	16.09	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	22.52	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	25.74	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	32.18	
			<i>For Elevated Installation &gt;40', Add</i>	35.39	
			<i>For Work In Restricted Working Space, Add</i>	19.31	
26 05 33 13-1135	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow .....	193.42	35.39
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.08	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	14.16	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	17.70	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	24.78	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	28.32	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	35.40	
			<i>For Elevated Installation &gt;40', Add</i>	38.93	
			<i>For Work In Restricted Working Space, Add</i>	21.24	

**26 Electrical**  
**26 05 Common Work Results for Electrical**  
**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 05 33 13-1136	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	362.24	44.41
		<i>For Elevated Installation &gt;10' To 15', Add</i>	8.88	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	17.76	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	22.20	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	31.08	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	35.52	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	44.41	
		<i>For Elevated Installation &gt;40', Add</i>	48.85	
		<i>For Work In Restricted Working Space, Add</i>	26.64	
26 05 33 13-1137	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	414.71	60.49
		<i>For Elevated Installation &gt;10' To 15', Add</i>	12.10	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	24.20	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	30.25	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	42.34	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	48.39	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	60.49	
		<i>For Elevated Installation &gt;40', Add</i>	66.54	
		<i>For Work In Restricted Working Space, Add</i>	36.29	
26 05 33 13-1138	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	447.30	68.21
		<i>For Elevated Installation &gt;10' To 15', Add</i>	13.64	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	27.29	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	34.11	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	47.75	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	54.57	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	68.22	
		<i>For Elevated Installation &gt;40', Add</i>	75.04	
		<i>For Work In Restricted Working Space, Add</i>	40.93	
26 05 33 13-1139	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	551.63	88.81
		<i>For Elevated Installation &gt;10' To 15', Add</i>	17.76	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	35.52	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	44.40	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	62.16	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	71.04	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	88.81	
		<i>For Elevated Installation &gt;40', Add</i>	97.69	
		<i>For Work In Restricted Working Space, Add</i>	53.28	

**26 05 33 13-1140 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbows** (26 05 33 13-0823)

26 05 33 13-1141	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow .....	161.22	30.89
		<i>For Elevated Installation &gt;10' To 15', Add</i>	6.18	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	12.36	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	15.45	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	21.62	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	24.71	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	30.89	
		<i>For Elevated Installation &gt;40', Add</i>	33.98	
		<i>For Work In Restricted Working Space, Add</i>	18.53	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.53	
26 05 33 13-1142	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow .....	174.14	35.39
		<i>For Elevated Installation &gt;10' To 15', Add</i>	7.08	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	14.16	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	17.70	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	24.78	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	28.32	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	35.40	
		<i>For Elevated Installation &gt;40', Add</i>	38.93	
		<i>For Work In Restricted Working Space, Add</i>	21.24	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.24	
26 05 33 13-1143	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow .....	190.56	40.55
		<i>For Elevated Installation &gt;10' To 15', Add</i>	8.11	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	16.22	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	20.27	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	28.38	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	32.44	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	40.55	
		<i>For Elevated Installation &gt;40', Add</i>	44.60	
		<i>For Work In Restricted Working Space, Add</i>	24.33	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.33	
26 05 33 13-1144	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow .....	256.27	46.97
		<i>For Elevated Installation &gt;10' To 15', Add</i>	9.40	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	18.79	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	23.49	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	32.89	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	37.58	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	46.98	
		<i>For Elevated Installation &gt;40', Add</i>	51.68	
		<i>For Work In Restricted Working Space, Add</i>	28.19	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.19	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-1145	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	326.42 10.30 20.59 25.74 36.04 41.18 51.48 56.63 30.89 30.89	51.49
<b>26 05 33 13-1146 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Boxes With Cast Iron Cover</b>			
<small>(26 05 33 13-0823)</small>			
26 05 33 13-1147	EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	194.43 6.18 12.36 15.45 21.62 24.71 30.89 33.98 18.53	30.89
26 05 33 13-1148	EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	209.38 7.08 14.16 17.70 24.78 28.32 35.40 38.93 21.24	35.39
26 05 33 13-1149	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	244.79 8.11 16.22 20.27 28.38 32.44 40.55 44.60 24.33	40.55
26 05 33 13-1150	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	350.39 9.40 18.79 23.49 32.89 37.58 46.98 51.68 28.19	46.97
26 05 33 13-1151	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	570.31 10.30 20.59 25.74 36.04 41.18 51.48 56.63 30.89	51.49
26 05 33 13-1152	EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	615.97 12.36 24.71 30.89 43.25 49.42 61.78 67.96 37.07	61.78
<b>26 05 33 13-1153 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Boxes With Cast Iron Cover</b>			
<small>(26 05 33 13-0823)</small>			
26 05 33 13-1154	EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	213.27 6.18 12.36 15.45 21.62 24.71 30.89 33.98 18.53	30.89

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 33 13-1155	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover.....	240.81	35.39
		<i>For Elevated Installation &gt;10' To 15', Add</i>	7.08	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	14.16	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	17.70	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	24.78	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	28.32	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	35.40	
		<i>For Elevated Installation &gt;40', Add</i>	38.93	
		<i>For Work In Restricted Working Space, Add</i>	21.24	
26 05 33 13-1156	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover.....	262.72	40.55
		<i>For Elevated Installation &gt;10' To 15', Add</i>	8.11	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	16.22	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	20.27	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	28.38	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	32.44	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	40.55	
		<i>For Elevated Installation &gt;40', Add</i>	44.60	
		<i>For Work In Restricted Working Space, Add</i>	24.33	
26 05 33 13-1157	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover.....	368.61	46.97
		<i>For Elevated Installation &gt;10' To 15', Add</i>	9.40	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	18.79	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	23.49	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	32.89	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	37.58	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	46.98	
		<i>For Elevated Installation &gt;40', Add</i>	51.68	
		<i>For Work In Restricted Working Space, Add</i>	28.19	
26 05 33 13-1158	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover.....	613.78	51.49
		<i>For Elevated Installation &gt;10' To 15', Add</i>	10.30	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	20.59	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	25.74	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	36.04	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	41.18	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	51.48	
		<i>For Elevated Installation &gt;40', Add</i>	56.63	
		<i>For Work In Restricted Working Space, Add</i>	30.89	
26 05 33 13-1159	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover.....	655.86	61.78
		<i>For Elevated Installation &gt;10' To 15', Add</i>	12.36	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	24.71	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	30.89	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	43.25	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	49.42	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	61.78	
		<i>For Elevated Installation &gt;40', Add</i>	67.96	
		<i>For Work In Restricted Working Space, Add</i>	37.07	

**26 05 33 13-1160 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Boxes With Cast Iron Cover** (26 05 33 13-082.3)

26 05 33 13-1161	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover.....	213.42	30.89
		<i>For Elevated Installation &gt;10' To 15', Add</i>	6.18	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	12.36	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	15.45	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	21.62	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	24.71	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	30.89	
		<i>For Elevated Installation &gt;40', Add</i>	33.98	
		<i>For Work In Restricted Working Space, Add</i>	18.53	
26 05 33 13-1162	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover.....	235.25	35.39
		<i>For Elevated Installation &gt;10' To 15', Add</i>	7.08	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	14.16	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	17.70	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	24.78	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	28.32	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	35.40	
		<i>For Elevated Installation &gt;40', Add</i>	38.93	
		<i>For Work In Restricted Working Space, Add</i>	21.24	
26 05 33 13-1163	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover.....	280.03	40.55
		<i>For Elevated Installation &gt;10' To 15', Add</i>	8.11	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	16.22	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	20.27	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	28.38	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	32.44	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	40.55	
		<i>For Elevated Installation &gt;40', Add</i>	44.60	
		<i>For Work In Restricted Working Space, Add</i>	24.33	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1164	EA			1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover .....	382.49	46.97
				<i>For Elevated Installation &gt;10' To 15', Add</i>	9.40	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	18.79	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	23.49	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	32.89	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	37.58	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	46.98	
				<i>For Elevated Installation &gt;40', Add</i>	51.68	
				<i>For Work In Restricted Working Space, Add</i>	28.19	
26 05 33 13-1165	EA			1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover .....	634.49	51.49
				<i>For Elevated Installation &gt;10' To 15', Add</i>	10.30	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	20.59	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	25.74	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	36.04	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	41.18	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	51.48	
				<i>For Elevated Installation &gt;40', Add</i>	56.63	
				<i>For Work In Restricted Working Space, Add</i>	30.89	
26 05 33 13-1166	EA			2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover .....	681.39	61.78
				<i>For Elevated Installation &gt;10' To 15', Add</i>	12.36	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	24.71	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	30.89	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	43.25	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	49.42	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	61.78	
				<i>For Elevated Installation &gt;40', Add</i>	67.96	
				<i>For Work In Restricted Working Space, Add</i>	37.07	
<b>26 05 33 13-1167 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Boxes With Cast Iron Cover (26 05 33 13-0823)</b>						
26 05 33 13-1168	EA			1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover .....	265.58	30.89
				<i>For Elevated Installation &gt;10' To 15', Add</i>	6.18	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	12.36	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	15.45	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	21.62	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	24.71	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	30.89	
				<i>For Elevated Installation &gt;40', Add</i>	33.98	
				<i>For Work In Restricted Working Space, Add</i>	18.53	
26 05 33 13-1169	EA			3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover .....	293.25	35.39
				<i>For Elevated Installation &gt;10' To 15', Add</i>	7.08	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	14.16	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	17.70	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	24.78	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	28.32	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	35.40	
				<i>For Elevated Installation &gt;40', Add</i>	38.93	
				<i>For Work In Restricted Working Space, Add</i>	21.24	
26 05 33 13-1170	EA			1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover .....	317.74	40.55
				<i>For Elevated Installation &gt;10' To 15', Add</i>	8.11	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	16.22	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	20.27	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	28.38	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	32.44	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	40.55	
				<i>For Elevated Installation &gt;40', Add</i>	44.60	
				<i>For Work In Restricted Working Space, Add</i>	24.33	
26 05 33 13-1171	EA			1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover .....	804.10	46.97
				<i>For Elevated Installation &gt;10' To 15', Add</i>	9.40	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	18.79	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	23.49	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	32.89	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	37.58	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	46.98	
				<i>For Elevated Installation &gt;40', Add</i>	51.68	
				<i>For Work In Restricted Working Space, Add</i>	28.19	
<b>26 05 33 13-1172 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Boxes (26 05 33 13-0823)</b>						
Note: Excludes cover.						
26 05 33 13-1173	EA			1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box .....	126.49	30.89
				<i>For Elevated Installation &gt;10' To 15', Add</i>	6.18	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	12.36	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	15.45	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	21.62	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	24.71	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	30.89	
				<i>For Elevated Installation &gt;40', Add</i>	33.98	
				<i>For Work In Restricted Working Space, Add</i>	18.53	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 33 13-1174	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	139.00	35.39
		<i>For Elevated Installation &gt;10' To 15', Add</i>	7.08	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	14.16	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	17.70	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	24.78	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	28.32	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	35.40	
		<i>For Elevated Installation &gt;40', Add</i>	38.93	
		<i>For Work In Restricted Working Space, Add</i>	21.24	
26 05 33 13-1175	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	155.15	40.55
		<i>For Elevated Installation &gt;10' To 15', Add</i>	8.11	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	16.22	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	20.27	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	28.38	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	32.44	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	40.55	
		<i>For Elevated Installation &gt;40', Add</i>	44.60	
		<i>For Work In Restricted Working Space, Add</i>	24.33	
26 05 33 13-1176	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	140.63	30.89
		<i>For Elevated Installation &gt;10' To 15', Add</i>	6.18	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	12.36	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	15.45	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	21.62	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	24.71	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	30.89	
		<i>For Elevated Installation &gt;40', Add</i>	33.98	
		<i>For Work In Restricted Working Space, Add</i>	18.53	
26 05 33 13-1177	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	151.37	35.39
		<i>For Elevated Installation &gt;10' To 15', Add</i>	7.08	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	14.16	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	17.70	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	24.78	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	28.32	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	35.40	
		<i>For Elevated Installation &gt;40', Add</i>	38.93	
		<i>For Work In Restricted Working Space, Add</i>	21.24	
26 05 33 13-1178	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	172.34	40.55
		<i>For Elevated Installation &gt;10' To 15', Add</i>	8.11	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	16.22	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	20.27	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	28.38	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	32.44	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	40.55	
		<i>For Elevated Installation &gt;40', Add</i>	44.60	
		<i>For Work In Restricted Working Space, Add</i>	24.33	

**26 05 33 13-1179 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Boxes**

(26 05 33 13-0823)

Note: Excludes cover.

26 05 33 13-1180	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	133.18	30.89
		<i>For Elevated Installation &gt;10' To 15', Add</i>	6.18	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	12.36	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	15.45	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	21.62	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	24.71	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	30.89	
		<i>For Elevated Installation &gt;40', Add</i>	33.98	
		<i>For Work In Restricted Working Space, Add</i>	18.53	
26 05 33 13-1181	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	146.52	35.39
		<i>For Elevated Installation &gt;10' To 15', Add</i>	7.08	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	14.16	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	17.70	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	24.78	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	28.32	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	35.40	
		<i>For Elevated Installation &gt;40', Add</i>	38.93	
		<i>For Work In Restricted Working Space, Add</i>	21.24	
26 05 33 13-1182	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	160.35	40.55
		<i>For Elevated Installation &gt;10' To 15', Add</i>	8.11	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	16.22	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	20.27	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	28.38	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	32.44	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	40.55	
		<i>For Elevated Installation &gt;40', Add</i>	44.60	
		<i>For Work In Restricted Working Space, Add</i>	24.33	
26 05 33 13-1183	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	150.20	30.89
		<i>For Elevated Installation &gt;10' To 15', Add</i>	6.18	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	12.36	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	15.45	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	21.62	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	24.71	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	30.89	
		<i>For Elevated Installation &gt;40', Add</i>	33.98	
		<i>For Work In Restricted Working Space, Add</i>	18.53	

MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

26 05 33 13-1184	EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box.....	163.71	35.39
	For Elevated Installation >10' To 15', Add	7.08	
	For Elevated Installation >15' To 20', Add	14.16	
	For Elevated Installation >20' To 25', Add	17.70	
	For Elevated Installation >25' To 30', Add	24.78	
	For Elevated Installation >30' To 35', Add	28.32	
	For Elevated Installation >35' To 40', Add	35.40	
	For Elevated Installation >40', Add	38.93	
	For Work In Restricted Working Space, Add	21.24	
26 05 33 13-1185	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box.....	185.04	40.55
	For Elevated Installation >10' To 15', Add	8.11	
	For Elevated Installation >15' To 20', Add	16.22	
	For Elevated Installation >20' To 25', Add	20.27	
	For Elevated Installation >25' To 30', Add	28.38	
	For Elevated Installation >30' To 35', Add	32.44	
	For Elevated Installation >35' To 40', Add	40.55	
	For Elevated Installation >40', Add	44.60	
	For Work In Restricted Working Space, Add	24.33	

**26 05 33 13-1186 Polyvinyl Chloride (PVC) Coated, Urethane Lined, FS And FD Series Covers** (26 05 33 13-0823)

26 05 33 13-1187	EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS23, FS And FD Series Cover .....	47.76	3.86
	For Elevated Installation >10' To 15', Add	0.77	
	For Elevated Installation >15' To 20', Add	1.54	
	For Elevated Installation >20' To 25', Add	1.93	
	For Elevated Installation >25' To 30', Add	2.70	
	For Elevated Installation >30' To 35', Add	3.09	
	For Elevated Installation >35' To 40', Add	3.86	
	For Elevated Installation >40', Add	4.25	
	For Work In Restricted Working Space, Add	2.32	
26 05 33 13-1188	EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS21G, FS And FD Series Cover.....	65.01	4.50
	For Elevated Installation >10' To 15', Add	0.90	
	For Elevated Installation >15' To 20', Add	1.80	
	For Elevated Installation >20' To 25', Add	2.25	
	For Elevated Installation >25' To 30', Add	3.15	
	For Elevated Installation >30' To 35', Add	3.60	
	For Elevated Installation >35' To 40', Add	4.51	
	For Elevated Installation >40', Add	4.96	
	For Work In Restricted Working Space, Add	2.70	
26 05 33 13-1189	EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS32G, FS And FD Series Cover.....	61.35	4.50
	For Elevated Installation >10' To 15', Add	0.90	
	For Elevated Installation >15' To 20', Add	1.80	
	For Elevated Installation >20' To 25', Add	2.25	
	For Elevated Installation >25' To 30', Add	3.15	
	For Elevated Installation >30' To 35', Add	3.60	
	For Elevated Installation >35' To 40', Add	4.51	
	For Elevated Installation >40', Add	4.96	
	For Work In Restricted Working Space, Add	2.70	
26 05 33 13-1190	EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS100G, FS And FD Series Cover.....	54.49	4.50
	For Elevated Installation >10' To 15', Add	0.90	
	For Elevated Installation >15' To 20', Add	1.80	
	For Elevated Installation >20' To 25', Add	2.25	
	For Elevated Installation >25' To 30', Add	3.15	
	For Elevated Installation >30' To 35', Add	3.60	
	For Elevated Installation >35' To 40', Add	4.51	
	For Elevated Installation >40', Add	4.96	
	For Work In Restricted Working Space, Add	2.70	
26 05 33 13-1191	EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, WLRD1, FS And FD Series Cover.....	267.00	6.44
	For Elevated Installation >10' To 15', Add	1.29	
	For Elevated Installation >15' To 20', Add	2.57	
	For Elevated Installation >20' To 25', Add	3.22	
	For Elevated Installation >25' To 30', Add	4.50	
	For Elevated Installation >30' To 35', Add	5.15	
	For Elevated Installation >35' To 40', Add	6.44	
	For Elevated Installation >40', Add	7.08	
	For Work In Restricted Working Space, Add	3.86	
26 05 33 13-1192	EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, WLRS1, FS And FD Series Cover.....	237.27	6.44
	For Elevated Installation >10' To 15', Add	1.29	
	For Elevated Installation >15' To 20', Add	2.57	
	For Elevated Installation >20' To 25', Add	3.22	
	For Elevated Installation >25' To 30', Add	4.50	
	For Elevated Installation >30' To 35', Add	5.15	
	For Elevated Installation >35' To 40', Add	6.44	
	For Elevated Installation >40', Add	7.08	
	For Work In Restricted Working Space, Add	3.86	

**26 05 33 13-1193 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Mogul Conduit Bodies** (26 05 33 13-0823)

Note: Includes covers.

26 05 33 13-1194	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body .....	276.19	40.55
	For Elevated Installation >10' To 15', Add	8.11	
	For Elevated Installation >15' To 20', Add	16.22	
	For Elevated Installation >20' To 25', Add	20.27	
	For Elevated Installation >25' To 30', Add	28.38	
	For Elevated Installation >30' To 35', Add	32.44	
	For Elevated Installation >35' To 40', Add	40.55	
	For Elevated Installation >40', Add	44.60	
	For Work In Restricted Working Space, Add	24.33	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-1195	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body .....310.11	310.11	46.97
	For Elevated Installation >10' To 15', Add	9.40	
	For Elevated Installation >15' To 20', Add	18.79	
	For Elevated Installation >20' To 25', Add	23.49	
	For Elevated Installation >25' To 30', Add	32.89	
	For Elevated Installation >30' To 35', Add	37.58	
	For Elevated Installation >35' To 40', Add	46.98	
	For Elevated Installation >40', Add	51.68	
	For Work In Restricted Working Space, Add	28.19	
26 05 33 13-1196	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body .....429.27	429.27	51.49
	For Elevated Installation >10' To 15', Add	10.30	
	For Elevated Installation >15' To 20', Add	20.59	
	For Elevated Installation >20' To 25', Add	25.74	
	For Elevated Installation >25' To 30', Add	36.04	
	For Elevated Installation >30' To 35', Add	41.18	
	For Elevated Installation >35' To 40', Add	51.48	
	For Elevated Installation >40', Add	56.63	
	For Work In Restricted Working Space, Add	30.89	
26 05 33 13-1197	EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body .....511.49	511.49	61.78
	For Elevated Installation >10' To 15', Add	12.36	
	For Elevated Installation >15' To 20', Add	24.71	
	For Elevated Installation >20' To 25', Add	30.89	
	For Elevated Installation >25' To 30', Add	43.25	
	For Elevated Installation >30' To 35', Add	49.42	
	For Elevated Installation >35' To 40', Add	61.78	
	For Elevated Installation >40', Add	67.96	
	For Work In Restricted Working Space, Add	37.07	
26 05 33 13-1198	EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body .....739.11	739.11	86.88
	For Elevated Installation >10' To 15', Add	17.38	
	For Elevated Installation >15' To 20', Add	34.75	
	For Elevated Installation >20' To 25', Add	43.44	
	For Elevated Installation >25' To 30', Add	60.81	
	For Elevated Installation >30' To 35', Add	69.50	
	For Elevated Installation >35' To 40', Add	86.88	
	For Elevated Installation >40', Add	95.56	
	For Work In Restricted Working Space, Add	52.13	
26 05 33 13-1199	EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body .....932.10	932.10	115.84
	For Elevated Installation >10' To 15', Add	23.17	
	For Elevated Installation >15' To 20', Add	46.33	
	For Elevated Installation >20' To 25', Add	57.92	
	For Elevated Installation >25' To 30', Add	81.08	
	For Elevated Installation >30' To 35', Add	92.67	
	For Elevated Installation >35' To 40', Add	115.84	
	For Elevated Installation >40', Add	127.42	
	For Work In Restricted Working Space, Add	69.50	
26 05 33 13-1200	EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body .....1,368.33	1,368.33	144.79
	For Elevated Installation >10' To 15', Add	28.96	
	For Elevated Installation >15' To 20', Add	57.92	
	For Elevated Installation >20' To 25', Add	72.40	
	For Elevated Installation >25' To 30', Add	101.36	
	For Elevated Installation >30' To 35', Add	115.84	
	For Elevated Installation >35' To 40', Add	144.80	
	For Elevated Installation >40', Add	159.27	
	For Work In Restricted Working Space, Add	86.88	
26 05 33 13-1201	EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body .....1,698.12	1,698.12	176.33
	For Elevated Installation >10' To 15', Add	35.27	
	For Elevated Installation >15' To 20', Add	70.53	
	For Elevated Installation >20' To 25', Add	88.17	
	For Elevated Installation >25' To 30', Add	123.43	
	For Elevated Installation >30' To 35', Add	141.06	
	For Elevated Installation >35' To 40', Add	176.33	
	For Elevated Installation >40', Add	193.96	
	For Work In Restricted Working Space, Add	105.80	
26 05 33 13-1202	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body .....276.19	276.19	40.55
	For Elevated Installation >10' To 15', Add	8.11	
	For Elevated Installation >15' To 20', Add	16.22	
	For Elevated Installation >20' To 25', Add	20.27	
	For Elevated Installation >25' To 30', Add	28.38	
	For Elevated Installation >30' To 35', Add	32.44	
	For Elevated Installation >35' To 40', Add	40.55	
	For Elevated Installation >40', Add	44.60	
	For Work In Restricted Working Space, Add	24.33	
26 05 33 13-1203	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body .....310.11	310.11	46.97
	For Elevated Installation >10' To 15', Add	9.40	
	For Elevated Installation >15' To 20', Add	18.79	
	For Elevated Installation >20' To 25', Add	23.49	
	For Elevated Installation >25' To 30', Add	32.89	
	For Elevated Installation >30' To 35', Add	37.58	
	For Elevated Installation >35' To 40', Add	46.98	
	For Elevated Installation >40', Add	51.68	
	For Work In Restricted Working Space, Add	28.19	
26 05 33 13-1204	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body .....428.07	428.07	51.49
	For Elevated Installation >10' To 15', Add	10.30	
	For Elevated Installation >15' To 20', Add	20.59	
	For Elevated Installation >20' To 25', Add	25.74	
	For Elevated Installation >25' To 30', Add	36.04	
	For Elevated Installation >30' To 35', Add	41.18	
	For Elevated Installation >35' To 40', Add	51.48	
	For Elevated Installation >40', Add	56.63	
	For Work In Restricted Working Space, Add	30.89	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1205	EA			2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body ..... 499.38		61.78
				For Elevated Installation >10' To 15', Add	12.36	
				For Elevated Installation >15' To 20', Add	24.71	
				For Elevated Installation >20' To 25', Add	30.89	
				For Elevated Installation >25' To 30', Add	43.25	
				For Elevated Installation >30' To 35', Add	49.42	
				For Elevated Installation >35' To 40', Add	61.78	
				For Elevated Installation >40', Add	67.96	
				For Work In Restricted Working Space, Add	37.07	
26 05 33 13-1206	EA			2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body ..... 750.26		86.88
				For Elevated Installation >10' To 15', Add	17.38	
				For Elevated Installation >15' To 20', Add	34.75	
				For Elevated Installation >20' To 25', Add	43.44	
				For Elevated Installation >25' To 30', Add	60.81	
				For Elevated Installation >30' To 35', Add	69.50	
				For Elevated Installation >35' To 40', Add	86.88	
				For Elevated Installation >40', Add	95.56	
				For Work In Restricted Working Space, Add	52.13	
26 05 33 13-1207	EA			3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body ..... 982.11		115.84
				For Elevated Installation >10' To 15', Add	23.17	
				For Elevated Installation >15' To 20', Add	46.33	
				For Elevated Installation >20' To 25', Add	57.92	
				For Elevated Installation >25' To 30', Add	81.08	
				For Elevated Installation >30' To 35', Add	92.67	
				For Elevated Installation >35' To 40', Add	115.84	
				For Elevated Installation >40', Add	127.42	
				For Work In Restricted Working Space, Add	69.50	
26 05 33 13-1208	EA			3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body ..... 1,428.70		144.79
				For Elevated Installation >10' To 15', Add	28.96	
				For Elevated Installation >15' To 20', Add	57.92	
				For Elevated Installation >20' To 25', Add	72.40	
				For Elevated Installation >25' To 30', Add	101.36	
				For Elevated Installation >30' To 35', Add	115.84	
				For Elevated Installation >35' To 40', Add	144.80	
				For Elevated Installation >40', Add	159.27	
				For Work In Restricted Working Space, Add	86.88	
26 05 33 13-1209	EA			4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body ..... 1,735.71		176.33
				For Elevated Installation >10' To 15', Add	35.27	
				For Elevated Installation >15' To 20', Add	70.53	
				For Elevated Installation >20' To 25', Add	88.17	
				For Elevated Installation >25' To 30', Add	123.43	
				For Elevated Installation >30' To 35', Add	141.06	
				For Elevated Installation >35' To 40', Add	176.33	
				For Elevated Installation >40', Add	193.96	
				For Work In Restricted Working Space, Add	105.80	
26 05 33 13-1210	EA			1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body ..... 276.19		40.55
				For Elevated Installation >10' To 15', Add	8.11	
				For Elevated Installation >15' To 20', Add	16.22	
				For Elevated Installation >20' To 25', Add	20.27	
				For Elevated Installation >25' To 30', Add	28.38	
				For Elevated Installation >30' To 35', Add	32.44	
				For Elevated Installation >35' To 40', Add	40.55	
				For Elevated Installation >40', Add	44.60	
				For Work In Restricted Working Space, Add	24.33	
26 05 33 13-1211	EA			1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body ..... 310.11		46.97
				For Elevated Installation >10' To 15', Add	9.40	
				For Elevated Installation >15' To 20', Add	18.79	
				For Elevated Installation >20' To 25', Add	23.49	
				For Elevated Installation >25' To 30', Add	32.89	
				For Elevated Installation >30' To 35', Add	37.58	
				For Elevated Installation >35' To 40', Add	46.98	
				For Elevated Installation >40', Add	51.68	
				For Work In Restricted Working Space, Add	28.19	
26 05 33 13-1212	EA			1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body ..... 428.07		51.49
				For Elevated Installation >10' To 15', Add	10.30	
				For Elevated Installation >15' To 20', Add	20.59	
				For Elevated Installation >20' To 25', Add	25.74	
				For Elevated Installation >25' To 30', Add	36.04	
				For Elevated Installation >30' To 35', Add	41.18	
				For Elevated Installation >35' To 40', Add	51.48	
				For Elevated Installation >40', Add	56.63	
				For Work In Restricted Working Space, Add	30.89	
26 05 33 13-1213	EA			2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body ..... 499.38		61.78
				For Elevated Installation >10' To 15', Add	12.36	
				For Elevated Installation >15' To 20', Add	24.71	
				For Elevated Installation >20' To 25', Add	30.89	
				For Elevated Installation >25' To 30', Add	43.25	
				For Elevated Installation >30' To 35', Add	49.42	
				For Elevated Installation >35' To 40', Add	61.78	
				For Elevated Installation >40', Add	67.96	
				For Work In Restricted Working Space, Add	37.07	
26 05 33 13-1214	EA			2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body ..... 750.26		86.88
				For Elevated Installation >10' To 15', Add	17.38	
				For Elevated Installation >15' To 20', Add	34.75	
				For Elevated Installation >20' To 25', Add	43.44	
				For Elevated Installation >25' To 30', Add	60.81	
				For Elevated Installation >30' To 35', Add	69.50	
				For Elevated Installation >35' To 40', Add	86.88	
				For Elevated Installation >40', Add	95.56	
				For Work In Restricted Working Space, Add	52.13	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-1215	EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body.....	982.11	115.84
	For Elevated Installation >10' To 15', Add	23.17	
	For Elevated Installation >15' To 20', Add	46.33	
	For Elevated Installation >20' To 25', Add	57.92	
	For Elevated Installation >25' To 30', Add	81.08	
	For Elevated Installation >30' To 35', Add	92.67	
	For Elevated Installation >35' To 40', Add	115.84	
	For Elevated Installation >40', Add	127.42	
	For Work In Restricted Working Space, Add	69.50	
26 05 33 13-1216	EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body .....	1,428.70	144.79
	For Elevated Installation >10' To 15', Add	28.96	
	For Elevated Installation >15' To 20', Add	57.92	
	For Elevated Installation >20' To 25', Add	72.40	
	For Elevated Installation >25' To 30', Add	101.36	
	For Elevated Installation >30' To 35', Add	115.84	
	For Elevated Installation >35' To 40', Add	144.80	
	For Elevated Installation >40', Add	159.27	
	For Work In Restricted Working Space, Add	86.88	
26 05 33 13-1217	EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body.....	1,735.71	176.33
	For Elevated Installation >10' To 15', Add	35.27	
	For Elevated Installation >15' To 20', Add	70.53	
	For Elevated Installation >20' To 25', Add	88.17	
	For Elevated Installation >25' To 30', Add	123.43	
	For Elevated Installation >30' To 35', Add	141.06	
	For Elevated Installation >35' To 40', Add	176.33	
	For Elevated Installation >40', Add	193.96	
	For Work In Restricted Working Space, Add	105.80	
26 05 33 13-1218	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....	276.19	40.55
	For Elevated Installation >10' To 15', Add	8.11	
	For Elevated Installation >15' To 20', Add	16.22	
	For Elevated Installation >20' To 25', Add	20.27	
	For Elevated Installation >25' To 30', Add	28.38	
	For Elevated Installation >30' To 35', Add	32.44	
	For Elevated Installation >35' To 40', Add	40.55	
	For Elevated Installation >40', Add	44.60	
	For Work In Restricted Working Space, Add	24.33	
26 05 33 13-1219	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....	310.11	46.97
	For Elevated Installation >10' To 15', Add	9.40	
	For Elevated Installation >15' To 20', Add	18.79	
	For Elevated Installation >20' To 25', Add	23.49	
	For Elevated Installation >25' To 30', Add	32.89	
	For Elevated Installation >30' To 35', Add	37.58	
	For Elevated Installation >35' To 40', Add	46.98	
	For Elevated Installation >40', Add	51.68	
	For Work In Restricted Working Space, Add	28.19	
26 05 33 13-1220	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....	429.27	51.49
	For Elevated Installation >10' To 15', Add	10.30	
	For Elevated Installation >15' To 20', Add	20.59	
	For Elevated Installation >20' To 25', Add	25.74	
	For Elevated Installation >25' To 30', Add	36.04	
	For Elevated Installation >30' To 35', Add	41.18	
	For Elevated Installation >35' To 40', Add	51.48	
	For Elevated Installation >40', Add	56.63	
	For Work In Restricted Working Space, Add	30.89	
26 05 33 13-1221	EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....	505.90	61.78
	For Elevated Installation >10' To 15', Add	12.36	
	For Elevated Installation >15' To 20', Add	24.71	
	For Elevated Installation >20' To 25', Add	30.89	
	For Elevated Installation >25' To 30', Add	43.25	
	For Elevated Installation >30' To 35', Add	49.42	
	For Elevated Installation >35' To 40', Add	61.78	
	For Elevated Installation >40', Add	67.96	
	For Work In Restricted Working Space, Add	37.07	
26 05 33 13-1222	EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....	739.11	86.88
	For Elevated Installation >10' To 15', Add	17.38	
	For Elevated Installation >15' To 20', Add	34.75	
	For Elevated Installation >20' To 25', Add	43.44	
	For Elevated Installation >25' To 30', Add	60.81	
	For Elevated Installation >30' To 35', Add	69.50	
	For Elevated Installation >35' To 40', Add	86.88	
	For Elevated Installation >40', Add	95.56	
	For Work In Restricted Working Space, Add	52.13	
26 05 33 13-1223	EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....	932.10	115.84
	For Elevated Installation >10' To 15', Add	23.17	
	For Elevated Installation >15' To 20', Add	46.33	
	For Elevated Installation >20' To 25', Add	57.92	
	For Elevated Installation >25' To 30', Add	81.08	
	For Elevated Installation >30' To 35', Add	92.67	
	For Elevated Installation >35' To 40', Add	115.84	
	For Elevated Installation >40', Add	127.42	
	For Work In Restricted Working Space, Add	69.50	
26 05 33 13-1224	EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....	1,368.33	144.79
	For Elevated Installation >10' To 15', Add	28.96	
	For Elevated Installation >15' To 20', Add	57.92	
	For Elevated Installation >20' To 25', Add	72.40	
	For Elevated Installation >25' To 30', Add	101.36	
	For Elevated Installation >30' To 35', Add	115.84	
	For Elevated Installation >35' To 40', Add	144.80	
	For Elevated Installation >40', Add	159.27	
	For Work In Restricted Working Space, Add	86.88	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1225 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....	1,713.77	176.33
For Elevated Installation >10' To 15', Add	35.27	
For Elevated Installation >15' To 20', Add	70.53	
For Elevated Installation >20' To 25', Add	88.17	
For Elevated Installation >25' To 30', Add	123.43	
For Elevated Installation >30' To 35', Add	141.06	
For Elevated Installation >35' To 40', Add	176.33	
For Elevated Installation >40', Add	193.96	
For Work In Restricted Working Space, Add	105.80	
<b>26 05 33 13-1226 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Covers</b> <small>(26 05 33 13-0823)</small>		
26 05 33 13-1227 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	138.69	5.80
For Elevated Installation >10' To 15', Add	1.16	
For Elevated Installation >15' To 20', Add	2.32	
For Elevated Installation >20' To 25', Add	2.90	
For Elevated Installation >25' To 30', Add	4.05	
For Elevated Installation >30' To 35', Add	4.63	
For Elevated Installation >35' To 40', Add	5.79	
For Elevated Installation >40', Add	6.37	
For Work In Restricted Working Space, Add	3.47	
26 05 33 13-1228 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	139.98	6.44
For Elevated Installation >10' To 15', Add	1.29	
For Elevated Installation >15' To 20', Add	2.57	
For Elevated Installation >20' To 25', Add	3.22	
For Elevated Installation >25' To 30', Add	4.50	
For Elevated Installation >30' To 35', Add	5.15	
For Elevated Installation >35' To 40', Add	6.44	
For Elevated Installation >40', Add	7.08	
For Work In Restricted Working Space, Add	3.86	
26 05 33 13-1229 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	197.90	9.01
For Elevated Installation >10' To 15', Add	1.80	
For Elevated Installation >15' To 20', Add	3.60	
For Elevated Installation >20' To 25', Add	4.51	
For Elevated Installation >25' To 30', Add	6.31	
For Elevated Installation >30' To 35', Add	7.21	
For Elevated Installation >35' To 40', Add	9.01	
For Elevated Installation >40', Add	9.91	
For Work In Restricted Working Space, Add	5.41	
26 05 33 13-1230 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	200.47	10.30
For Elevated Installation >10' To 15', Add	2.06	
For Elevated Installation >15' To 20', Add	4.12	
For Elevated Installation >20' To 25', Add	5.15	
For Elevated Installation >25' To 30', Add	7.21	
For Elevated Installation >30' To 35', Add	8.24	
For Elevated Installation >35' To 40', Add	10.30	
For Elevated Installation >40', Add	11.32	
For Work In Restricted Working Space, Add	6.18	
26 05 33 13-1231 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	350.86	12.22
For Elevated Installation >10' To 15', Add	2.45	
For Elevated Installation >15' To 20', Add	4.89	
For Elevated Installation >20' To 25', Add	6.11	
For Elevated Installation >25' To 30', Add	8.56	
For Elevated Installation >30' To 35', Add	9.78	
For Elevated Installation >35' To 40', Add	12.23	
For Elevated Installation >40', Add	13.45	
For Work In Restricted Working Space, Add	7.34	
26 05 33 13-1232 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	357.30	15.44
For Elevated Installation >10' To 15', Add	3.09	
For Elevated Installation >15' To 20', Add	6.18	
For Elevated Installation >20' To 25', Add	7.72	
For Elevated Installation >25' To 30', Add	10.81	
For Elevated Installation >30' To 35', Add	12.36	
For Elevated Installation >35' To 40', Add	15.45	
For Elevated Installation >40', Add	16.99	
For Work In Restricted Working Space, Add	9.27	
26 05 33 13-1233 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	538.71	17.38
For Elevated Installation >10' To 15', Add	3.48	
For Elevated Installation >15' To 20', Add	6.95	
For Elevated Installation >20' To 25', Add	8.69	
For Elevated Installation >25' To 30', Add	12.16	
For Elevated Installation >30' To 35', Add	13.90	
For Elevated Installation >35' To 40', Add	17.38	
For Elevated Installation >40', Add	19.11	
For Work In Restricted Working Space, Add	10.43	
26 05 33 13-1234 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	549.01	22.52
For Elevated Installation >10' To 15', Add	4.51	
For Elevated Installation >15' To 20', Add	9.01	
For Elevated Installation >20' To 25', Add	11.26	
For Elevated Installation >25' To 30', Add	15.77	
For Elevated Installation >30' To 35', Add	18.02	
For Elevated Installation >35' To 40', Add	22.53	
For Elevated Installation >40', Add	24.78	
For Work In Restricted Working Space, Add	13.52	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 05 33 13-1235 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fittings <small>(26 05 33 13-0823)</small>			
26 05 33 13-1236	EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	238.26	16.09
	For Elevated Installation >10' To 15', Add	3.22	
	For Elevated Installation >15' To 20', Add	6.44	
	For Elevated Installation >20' To 25', Add	8.05	
	For Elevated Installation >25' To 30', Add	11.26	
	For Elevated Installation >30' To 35', Add	12.87	
	For Elevated Installation >35' To 40', Add	16.09	
	For Elevated Installation >40', Add	17.70	
	For Work In Restricted Working Space, Add	9.65	
26 05 33 13-1237	EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	281.42	19.95
	For Elevated Installation >10' To 15', Add	3.99	
	For Elevated Installation >15' To 20', Add	7.98	
	For Elevated Installation >20' To 25', Add	9.98	
	For Elevated Installation >25' To 30', Add	13.97	
	For Elevated Installation >30' To 35', Add	15.96	
	For Elevated Installation >35' To 40', Add	19.95	
	For Elevated Installation >40', Add	21.95	
	For Work In Restricted Working Space, Add	11.97	
26 05 33 13-1238	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	333.03	24.45
	For Elevated Installation >10' To 15', Add	4.89	
	For Elevated Installation >15' To 20', Add	9.78	
	For Elevated Installation >20' To 25', Add	12.23	
	For Elevated Installation >25' To 30', Add	17.12	
	For Elevated Installation >30' To 35', Add	19.56	
	For Elevated Installation >35' To 40', Add	24.46	
	For Elevated Installation >40', Add	26.90	
	For Work In Restricted Working Space, Add	14.67	
26 05 33 13-1239	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	410.44	28.32
	For Elevated Installation >10' To 15', Add	5.66	
	For Elevated Installation >15' To 20', Add	11.33	
	For Elevated Installation >20' To 25', Add	14.16	
	For Elevated Installation >25' To 30', Add	19.82	
	For Elevated Installation >30' To 35', Add	22.65	
	For Elevated Installation >35' To 40', Add	28.32	
	For Elevated Installation >40', Add	31.15	
	For Work In Restricted Working Space, Add	16.99	
26 05 33 13-1240	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	549.23	32.18
	For Elevated Installation >10' To 15', Add	6.44	
	For Elevated Installation >15' To 20', Add	12.87	
	For Elevated Installation >20' To 25', Add	16.09	
	For Elevated Installation >25' To 30', Add	22.52	
	For Elevated Installation >30' To 35', Add	25.74	
	For Elevated Installation >35' To 40', Add	32.18	
	For Elevated Installation >40', Add	35.39	
	For Work In Restricted Working Space, Add	19.31	
26 05 33 13-1241	EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	761.32	35.39
	For Elevated Installation >10' To 15', Add	7.08	
	For Elevated Installation >15' To 20', Add	14.16	
	For Elevated Installation >20' To 25', Add	17.70	
	For Elevated Installation >25' To 30', Add	24.78	
	For Elevated Installation >30' To 35', Add	28.32	
	For Elevated Installation >35' To 40', Add	35.40	
	For Elevated Installation >40', Add	38.93	
	For Work In Restricted Working Space, Add	21.24	
26 05 33 13-1242	EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	1,087.89	44.41
	For Elevated Installation >10' To 15', Add	8.88	
	For Elevated Installation >15' To 20', Add	17.76	
	For Elevated Installation >20' To 25', Add	22.20	
	For Elevated Installation >25' To 30', Add	31.08	
	For Elevated Installation >30' To 35', Add	35.52	
	For Elevated Installation >35' To 40', Add	44.41	
	For Elevated Installation >40', Add	48.85	
	For Work In Restricted Working Space, Add	26.64	
26 05 33 13-1243	EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	1,352.20	60.49
	For Elevated Installation >10' To 15', Add	12.10	
	For Elevated Installation >15' To 20', Add	24.20	
	For Elevated Installation >20' To 25', Add	30.25	
	For Elevated Installation >25' To 30', Add	42.34	
	For Elevated Installation >30' To 35', Add	48.39	
	For Elevated Installation >35' To 40', Add	60.49	
	For Elevated Installation >40', Add	66.54	
	For Work In Restricted Working Space, Add	36.29	
26 05 33 13-1244	EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	1,898.82	68.21
	For Elevated Installation >10' To 15', Add	13.64	
	For Elevated Installation >15' To 20', Add	27.29	
	For Elevated Installation >20' To 25', Add	34.11	
	For Elevated Installation >25' To 30', Add	47.75	
	For Elevated Installation >30' To 35', Add	54.57	
	For Elevated Installation >35' To 40', Add	68.22	
	For Elevated Installation >40', Add	75.04	
	For Work In Restricted Working Space, Add	40.93	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1245 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	2,187.46	88.81
For Elevated Installation >10' To 15', Add	17.76	
For Elevated Installation >15' To 20', Add	35.52	
For Elevated Installation >20' To 25', Add	44.40	
For Elevated Installation >25' To 30', Add	62.16	
For Elevated Installation >30' To 35', Add	71.04	
For Elevated Installation >35' To 40', Add	88.81	
For Elevated Installation >40', Add	97.69	
For Work In Restricted Working Space, Add	53.28	
<b>26 05 33 13-1246 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fittings With Bonding Jumper</b> <small>(26 05 33 13-0823)</small>		
26 05 33 13-1247 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper .....	379.45	16.09
For Elevated Installation >10' To 15', Add	3.22	
For Elevated Installation >15' To 20', Add	6.44	
For Elevated Installation >20' To 25', Add	8.05	
For Elevated Installation >25' To 30', Add	11.26	
For Elevated Installation >30' To 35', Add	12.87	
For Elevated Installation >35' To 40', Add	16.09	
For Elevated Installation >40', Add	17.70	
For Work In Restricted Working Space, Add	9.65	
26 05 33 13-1248 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper .....	393.71	19.95
For Elevated Installation >10' To 15', Add	3.99	
For Elevated Installation >15' To 20', Add	7.98	
For Elevated Installation >20' To 25', Add	9.98	
For Elevated Installation >25' To 30', Add	13.97	
For Elevated Installation >30' To 35', Add	15.96	
For Elevated Installation >35' To 40', Add	19.95	
For Elevated Installation >40', Add	21.95	
For Work In Restricted Working Space, Add	11.97	
26 05 33 13-1249 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper .....	441.99	24.45
For Elevated Installation >10' To 15', Add	4.89	
For Elevated Installation >15' To 20', Add	9.78	
For Elevated Installation >20' To 25', Add	12.23	
For Elevated Installation >25' To 30', Add	17.12	
For Elevated Installation >30' To 35', Add	19.56	
For Elevated Installation >35' To 40', Add	24.46	
For Elevated Installation >40', Add	26.90	
For Work In Restricted Working Space, Add	14.67	
26 05 33 13-1250 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper .....	534.96	28.32
For Elevated Installation >10' To 15', Add	5.66	
For Elevated Installation >15' To 20', Add	11.33	
For Elevated Installation >20' To 25', Add	14.16	
For Elevated Installation >25' To 30', Add	19.82	
For Elevated Installation >30' To 35', Add	22.65	
For Elevated Installation >35' To 40', Add	28.32	
For Elevated Installation >40', Add	31.15	
For Work In Restricted Working Space, Add	16.99	
26 05 33 13-1251 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper .....	648.65	32.18
For Elevated Installation >10' To 15', Add	6.44	
For Elevated Installation >15' To 20', Add	12.87	
For Elevated Installation >20' To 25', Add	16.09	
For Elevated Installation >25' To 30', Add	22.52	
For Elevated Installation >30' To 35', Add	25.74	
For Elevated Installation >35' To 40', Add	32.18	
For Elevated Installation >40', Add	35.39	
For Work In Restricted Working Space, Add	19.31	
26 05 33 13-1252 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper .....	829.76	35.39
For Elevated Installation >10' To 15', Add	7.08	
For Elevated Installation >15' To 20', Add	14.16	
For Elevated Installation >20' To 25', Add	17.70	
For Elevated Installation >25' To 30', Add	24.78	
For Elevated Installation >30' To 35', Add	28.32	
For Elevated Installation >35' To 40', Add	35.40	
For Elevated Installation >40', Add	38.93	
For Work In Restricted Working Space, Add	21.24	
26 05 33 13-1253 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper .....	1,225.76	44.41
For Elevated Installation >10' To 15', Add	8.88	
For Elevated Installation >15' To 20', Add	17.76	
For Elevated Installation >20' To 25', Add	22.20	
For Elevated Installation >25' To 30', Add	31.08	
For Elevated Installation >30' To 35', Add	35.52	
For Elevated Installation >35' To 40', Add	44.41	
For Elevated Installation >40', Add	48.85	
For Work In Restricted Working Space, Add	26.64	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 05 33 13-1254	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	1,536.44	60.49
		For Elevated Installation >10' To 15', Add	12.10	
		For Elevated Installation >15' To 20', Add	24.20	
		For Elevated Installation >20' To 25', Add	30.25	
		For Elevated Installation >25' To 30', Add	42.34	
		For Elevated Installation >30' To 35', Add	48.39	
		For Elevated Installation >35' To 40', Add	60.49	
		For Elevated Installation >40', Add	66.54	
		For Work In Restricted Working Space, Add	36.29	
26 05 33 13-1255	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	1,958.30	68.21
		For Elevated Installation >10' To 15', Add	13.64	
		For Elevated Installation >15' To 20', Add	27.29	
		For Elevated Installation >20' To 25', Add	34.11	
		For Elevated Installation >25' To 30', Add	47.75	
		For Elevated Installation >30' To 35', Add	54.57	
		For Elevated Installation >35' To 40', Add	68.22	
		For Elevated Installation >40', Add	75.04	
		For Work In Restricted Working Space, Add	40.93	
26 05 33 13-1256	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	2,450.89	88.81
		For Elevated Installation >10' To 15', Add	17.76	
		For Elevated Installation >15' To 20', Add	35.52	
		For Elevated Installation >20' To 25', Add	44.40	
		For Elevated Installation >25' To 30', Add	62.16	
		For Elevated Installation >30' To 35', Add	71.04	
		For Elevated Installation >35' To 40', Add	88.81	
		For Elevated Installation >40', Add	97.69	
		For Work In Restricted Working Space, Add	53.28	

**26 05 33 13-1257 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STG Knockout Hubs**

(26 05 33 13-0623)

26 05 33 13-1258	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub .....	78.49	7.72
		For Elevated Installation >10' To 15', Add	1.54	
		For Elevated Installation >15' To 20', Add	3.09	
		For Elevated Installation >20' To 25', Add	3.86	
		For Elevated Installation >25' To 30', Add	5.40	
		For Elevated Installation >30' To 35', Add	6.18	
		For Elevated Installation >35' To 40', Add	7.72	
		For Elevated Installation >40', Add	8.49	
		For Work In Restricted Working Space, Add	4.63	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.63	
26 05 33 13-1259	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub .....	85.01	9.66
		For Elevated Installation >10' To 15', Add	1.93	
		For Elevated Installation >15' To 20', Add	3.86	
		For Elevated Installation >20' To 25', Add	4.83	
		For Elevated Installation >25' To 30', Add	6.76	
		For Elevated Installation >30' To 35', Add	7.72	
		For Elevated Installation >35' To 40', Add	9.65	
		For Elevated Installation >40', Add	10.62	
		For Work In Restricted Working Space, Add	5.79	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.79	
26 05 33 13-1260	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub .....	93.46	11.58
		For Elevated Installation >10' To 15', Add	2.32	
		For Elevated Installation >15' To 20', Add	4.63	
		For Elevated Installation >20' To 25', Add	5.79	
		For Elevated Installation >25' To 30', Add	8.11	
		For Elevated Installation >30' To 35', Add	9.27	
		For Elevated Installation >35' To 40', Add	11.59	
		For Elevated Installation >40', Add	12.74	
		For Work In Restricted Working Space, Add	6.95	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.95	
26 05 33 13-1261	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub .....	105.66	14.16
		For Elevated Installation >10' To 15', Add	2.83	
		For Elevated Installation >15' To 20', Add	5.66	
		For Elevated Installation >20' To 25', Add	7.08	
		For Elevated Installation >25' To 30', Add	9.91	
		For Elevated Installation >30' To 35', Add	11.33	
		For Elevated Installation >35' To 40', Add	14.16	
		For Elevated Installation >40', Add	15.58	
		For Work In Restricted Working Space, Add	8.50	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.50	
26 05 33 13-1262	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub .....	142.34	16.09
		For Elevated Installation >10' To 15', Add	3.22	
		For Elevated Installation >15' To 20', Add	6.44	
		For Elevated Installation >20' To 25', Add	8.05	
		For Elevated Installation >25' To 30', Add	11.26	
		For Elevated Installation >30' To 35', Add	12.87	
		For Elevated Installation >35' To 40', Add	16.09	
		For Elevated Installation >40', Add	17.70	
		For Work In Restricted Working Space, Add	9.65	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.65	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-1263 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	174.06 3.60 7.21 9.01 12.61 14.42 18.02 19.82 10.81 10.81	18.02
26 05 33 13-1264 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	249.41 4.51 9.01 11.26 15.77 18.02 22.53 24.78 13.52 13.52	22.52
26 05 33 13-1265 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	325.52 6.05 12.10 15.12 21.17 24.20 30.25 33.27 18.15 18.15	30.25
26 05 33 13-1266 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	415.98 6.82 13.64 17.05 23.87 27.28 34.11 37.52 20.46 20.46	34.11
26 05 33 13-1267 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	523.08 8.88 17.76 22.20 31.08 35.52 44.41 48.85 26.64 26.64	44.41
26 05 33 13-1268 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	649.19 14.42 28.83 36.04 50.45 57.66 72.08 79.28 43.25 43.25	72.07
26 05 33 13-1269 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	979.08 21.75 43.50 54.38 76.13 87.01 108.76 119.64 65.26 65.26	108.76
26 05 33 13-1270 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STTB Knockout Hubs <small>(26 05 33 13-0823)</small>		
26 05 33 13-1271 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	118.60 1.54 3.09 3.86 5.40 6.18 7.72 8.49 4.63 4.63	7.72

## 26 Electrical

## 26 05 Common Work Results for Electrical

## 26 05 33 Raceway and Boxes for Electrical Systems

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-1272	EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	125.41	9.66
	For Elevated Installation >10' To 15', Add	1.93	
	For Elevated Installation >15' To 20', Add	3.86	
	For Elevated Installation >20' To 25', Add	4.83	
	For Elevated Installation >25' To 30', Add	6.76	
	For Elevated Installation >30' To 35', Add	7.72	
	For Elevated Installation >35' To 40', Add	9.65	
	For Elevated Installation >40', Add	10.62	
	For Work In Restricted Working Space, Add	5.79	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.79	
26 05 33 13-1273	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	134.75	11.58
	For Elevated Installation >10' To 15', Add	2.32	
	For Elevated Installation >15' To 20', Add	4.63	
	For Elevated Installation >20' To 25', Add	5.79	
	For Elevated Installation >25' To 30', Add	8.11	
	For Elevated Installation >30' To 35', Add	9.27	
	For Elevated Installation >35' To 40', Add	11.59	
	For Elevated Installation >40', Add	12.74	
	For Work In Restricted Working Space, Add	6.95	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.95	
26 05 33 13-1274	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	153.80	14.16
	For Elevated Installation >10' To 15', Add	2.83	
	For Elevated Installation >15' To 20', Add	5.66	
	For Elevated Installation >20' To 25', Add	7.08	
	For Elevated Installation >25' To 30', Add	9.91	
	For Elevated Installation >30' To 35', Add	11.33	
	For Elevated Installation >35' To 40', Add	14.16	
	For Elevated Installation >40', Add	15.58	
	For Work In Restricted Working Space, Add	8.50	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.50	
26 05 33 13-1275	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	165.07	16.09
	For Elevated Installation >10' To 15', Add	3.22	
	For Elevated Installation >15' To 20', Add	6.44	
	For Elevated Installation >20' To 25', Add	8.05	
	For Elevated Installation >25' To 30', Add	11.26	
	For Elevated Installation >30' To 35', Add	12.87	
	For Elevated Installation >35' To 40', Add	16.09	
	For Elevated Installation >40', Add	17.70	
	For Work In Restricted Working Space, Add	9.65	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.65	
26 05 33 13-1276	EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	186.72	18.02
	For Elevated Installation >10' To 15', Add	3.60	
	For Elevated Installation >15' To 20', Add	7.21	
	For Elevated Installation >20' To 25', Add	9.01	
	For Elevated Installation >25' To 30', Add	12.61	
	For Elevated Installation >30' To 35', Add	14.42	
	For Elevated Installation >35' To 40', Add	18.02	
	For Elevated Installation >40', Add	19.82	
	For Work In Restricted Working Space, Add	10.81	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.81	
26 05 33 13-1277	EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	284.94	22.52
	For Elevated Installation >10' To 15', Add	4.51	
	For Elevated Installation >15' To 20', Add	9.01	
	For Elevated Installation >20' To 25', Add	11.26	
	For Elevated Installation >25' To 30', Add	15.77	
	For Elevated Installation >30' To 35', Add	18.02	
	For Elevated Installation >35' To 40', Add	22.53	
	For Elevated Installation >40', Add	24.78	
	For Work In Restricted Working Space, Add	13.52	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.52	
26 05 33 13-1278	EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	340.84	30.25
	For Elevated Installation >10' To 15', Add	6.05	
	For Elevated Installation >15' To 20', Add	12.10	
	For Elevated Installation >20' To 25', Add	15.12	
	For Elevated Installation >25' To 30', Add	21.17	
	For Elevated Installation >30' To 35', Add	24.20	
	For Elevated Installation >35' To 40', Add	30.25	
	For Elevated Installation >40', Add	33.27	
	For Work In Restricted Working Space, Add	18.15	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.15	
26 05 33 13-1279	EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	419.29	34.11
	For Elevated Installation >10' To 15', Add	6.82	
	For Elevated Installation >15' To 20', Add	13.64	
	For Elevated Installation >20' To 25', Add	17.05	
	For Elevated Installation >25' To 30', Add	23.87	
	For Elevated Installation >30' To 35', Add	27.28	
	For Elevated Installation >35' To 40', Add	34.11	
	For Elevated Installation >40', Add	37.52	
	For Work In Restricted Working Space, Add	20.46	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.46	
26 05 33 13-1280	EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	544.44	44.41
	For Elevated Installation >10' To 15', Add	8.88	
	For Elevated Installation >15' To 20', Add	17.76	
	For Elevated Installation >20' To 25', Add	22.20	
	For Elevated Installation >25' To 30', Add	31.08	
	For Elevated Installation >30' To 35', Add	35.52	
	For Elevated Installation >35' To 40', Add	44.41	
	For Elevated Installation >40', Add	48.85	
	For Work In Restricted Working Space, Add	26.64	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.64	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-1281	EA	5"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	846.74	72.07
			<i>For Elevated Installation &gt;10' To 15', Add</i>	14.42	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	28.83	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	36.04	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	50.45	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	57.66	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	72.08	
			<i>For Elevated Installation &gt;40', Add</i>	79.28	
			<i>For Work In Restricted Working Space, Add</i>	43.25	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.25	
26 05 33 13-1282	EA	6"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	1,386.19	108.76
			<i>For Elevated Installation &gt;10' To 15', Add</i>	21.75	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	43.50	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	54.38	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	76.13	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	87.01	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	108.76	
			<i>For Elevated Installation &gt;40', Add</i>	119.64	
			<i>For Work In Restricted Working Space, Add</i>	65.26	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	65.26	
26 05 33 13-1283			<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STTB Knockout Hubs</b> <small>(26 05 33 13-0823)</small>		
26 05 33 13-1284	EA	1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub .....	127.52	7.72
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.54	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.09	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.86	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.40	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.18	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	7.72	
			<i>For Elevated Installation &gt;40', Add</i>	8.49	
			<i>For Work In Restricted Working Space, Add</i>	4.63	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.63	
26 05 33 13-1285	EA	3/4"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub .....	133.87	9.66
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.93	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.86	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.83	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	6.76	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	7.72	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	9.65	
			<i>For Elevated Installation &gt;40', Add</i>	10.62	
			<i>For Work In Restricted Working Space, Add</i>	5.79	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
26 05 33 13-1286	EA	1"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub .....	143.59	11.58
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.32	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.63	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.79	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	8.11	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	9.27	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	11.59	
			<i>For Elevated Installation &gt;40', Add</i>	12.74	
			<i>For Work In Restricted Working Space, Add</i>	6.95	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.95	
26 05 33 13-1287	EA	1-1/4"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub .....	180.65	14.16
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.83	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.66	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.08	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	9.91	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	11.33	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	14.16	
			<i>For Elevated Installation &gt;40', Add</i>	15.58	
			<i>For Work In Restricted Working Space, Add</i>	8.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.50	
26 05 33 13-1288	EA	1-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub .....	197.48	16.09
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.22	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.44	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.05	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	11.26	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	12.87	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	16.09	
			<i>For Elevated Installation &gt;40', Add</i>	17.70	
			<i>For Work In Restricted Working Space, Add</i>	9.65	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.65	
26 05 33 13-1289	EA	2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub .....	209.09	18.02
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.60	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.21	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	9.01	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	12.61	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	14.42	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	18.02	
			<i>For Elevated Installation &gt;40', Add</i>	19.82	
			<i>For Work In Restricted Working Space, Add</i>	10.81	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.81	
26 05 33 13-1290			<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions</b> <small>(26 05 33 13-0823)</small>		

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-1291	EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....	94.06	16.09
	<i>For Elevated Installation &gt;10' To 15', Add</i>	3.22	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	6.44	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	8.05	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	11.26	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	12.87	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	16.09	
	<i>For Elevated Installation &gt;40', Add</i>	17.70	
	<i>For Work In Restricted Working Space, Add</i>	9.65	
26 05 33 13-1292	EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....	102.90	19.95
	<i>For Elevated Installation &gt;10' To 15', Add</i>	3.99	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	7.98	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	9.98	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	13.97	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	15.96	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	19.95	
	<i>For Elevated Installation &gt;40', Add</i>	21.95	
	<i>For Work In Restricted Working Space, Add</i>	11.97	
26 05 33 13-1293	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....	133.37	24.45
	<i>For Elevated Installation &gt;10' To 15', Add</i>	4.89	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	9.78	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	12.23	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	17.12	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	19.56	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	24.46	
	<i>For Elevated Installation &gt;40', Add</i>	26.90	
	<i>For Work In Restricted Working Space, Add</i>	14.67	
26 05 33 13-1294	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....	192.56	28.32
	<i>For Elevated Installation &gt;10' To 15', Add</i>	5.66	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	11.33	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	14.16	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	19.82	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	22.65	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	28.32	
	<i>For Elevated Installation &gt;40', Add</i>	31.15	
	<i>For Work In Restricted Working Space, Add</i>	16.99	
26 05 33 13-1295	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....	228.31	32.18
	<i>For Elevated Installation &gt;10' To 15', Add</i>	6.44	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	12.87	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	16.09	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	22.52	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	25.74	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	32.18	
	<i>For Elevated Installation &gt;40', Add</i>	35.39	
	<i>For Work In Restricted Working Space, Add</i>	19.31	
26 05 33 13-1296	EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....	289.29	35.39
	<i>For Elevated Installation &gt;10' To 15', Add</i>	7.08	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	14.16	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	17.70	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	24.78	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	28.32	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	35.40	
	<i>For Elevated Installation &gt;40', Add</i>	38.93	
	<i>For Work In Restricted Working Space, Add</i>	21.24	
26 05 33 13-1297	EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....	384.63	44.41
	<i>For Elevated Installation &gt;10' To 15', Add</i>	8.88	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	17.76	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	22.20	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	31.08	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	35.52	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	44.41	
	<i>For Elevated Installation &gt;40', Add</i>	48.85	
	<i>For Work In Restricted Working Space, Add</i>	26.64	
26 05 33 13-1298	EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....	496.63	44.41
	<i>For Elevated Installation &gt;10' To 15', Add</i>	8.88	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	17.76	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	22.20	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	31.08	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	35.52	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	44.41	
	<i>For Elevated Installation &gt;40', Add</i>	48.85	
	<i>For Work In Restricted Working Space, Add</i>	26.64	
26 05 33 13-1299	EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....	642.31	68.21
	<i>For Elevated Installation &gt;10' To 15', Add</i>	13.64	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	27.29	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	34.11	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	47.75	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	54.57	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	68.22	
	<i>For Elevated Installation &gt;40', Add</i>	75.04	
	<i>For Work In Restricted Working Space, Add</i>	40.93	
26 05 33 13-1300	EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....	827.17	88.81
	<i>For Elevated Installation &gt;10' To 15', Add</i>	17.76	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	35.52	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	44.40	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	62.16	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	71.04	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	88.81	
	<i>For Elevated Installation &gt;40', Add</i>	97.69	
	<i>For Work In Restricted Working Space, Add</i>	53.28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-1301	EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....	1,503.69	144.79
	For Elevated Installation >10' To 15', Add	28.96	
	For Elevated Installation >15' To 20', Add	57.92	
	For Elevated Installation >20' To 25', Add	72.40	
	For Elevated Installation >25' To 30', Add	101.36	
	For Elevated Installation >30' To 35', Add	115.84	
	For Elevated Installation >35' To 40', Add	144.80	
	For Elevated Installation >40', Add	159.27	
	For Work In Restricted Working Space, Add	86.88	
26 05 33 13-1302	EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....	1,881.01	217.52
	For Elevated Installation >10' To 15', Add	43.50	
	For Elevated Installation >15' To 20', Add	87.01	
	For Elevated Installation >20' To 25', Add	108.76	
	For Elevated Installation >25' To 30', Add	152.26	
	For Elevated Installation >30' To 35', Add	174.01	
	For Elevated Installation >35' To 40', Add	217.52	
	For Elevated Installation >40', Add	239.27	
	For Work In Restricted Working Space, Add	130.51	

**26 05 33 13-1303 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions** (26 05 33 13-0823)

26 05 33 13-1304	EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union .....	96.14	16.09
	For Elevated Installation >10' To 15', Add	3.22	
	For Elevated Installation >15' To 20', Add	6.44	
	For Elevated Installation >20' To 25', Add	8.05	
	For Elevated Installation >25' To 30', Add	11.26	
	For Elevated Installation >30' To 35', Add	12.87	
	For Elevated Installation >35' To 40', Add	16.09	
	For Elevated Installation >40', Add	17.70	
	For Work In Restricted Working Space, Add	9.65	
26 05 33 13-1305	EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union .....	110.86	19.95
	For Elevated Installation >10' To 15', Add	3.99	
	For Elevated Installation >15' To 20', Add	7.98	
	For Elevated Installation >20' To 25', Add	9.98	
	For Elevated Installation >25' To 30', Add	13.97	
	For Elevated Installation >30' To 35', Add	15.96	
	For Elevated Installation >35' To 40', Add	19.95	
	For Elevated Installation >40', Add	21.95	
	For Work In Restricted Working Space, Add	11.97	
26 05 33 13-1306	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union .....	137.61	24.45
	For Elevated Installation >10' To 15', Add	4.89	
	For Elevated Installation >15' To 20', Add	9.78	
	For Elevated Installation >20' To 25', Add	12.23	
	For Elevated Installation >25' To 30', Add	17.12	
	For Elevated Installation >30' To 35', Add	19.56	
	For Elevated Installation >35' To 40', Add	24.46	
	For Elevated Installation >40', Add	26.90	
	For Work In Restricted Working Space, Add	14.67	
26 05 33 13-1307	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union .....	200.36	28.32
	For Elevated Installation >10' To 15', Add	5.66	
	For Elevated Installation >15' To 20', Add	11.33	
	For Elevated Installation >20' To 25', Add	14.16	
	For Elevated Installation >25' To 30', Add	19.82	
	For Elevated Installation >30' To 35', Add	22.65	
	For Elevated Installation >35' To 40', Add	28.32	
	For Elevated Installation >40', Add	31.15	
	For Work In Restricted Working Space, Add	16.99	
26 05 33 13-1308	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union .....	239.12	32.18
	For Elevated Installation >10' To 15', Add	6.44	
	For Elevated Installation >15' To 20', Add	12.87	
	For Elevated Installation >20' To 25', Add	16.09	
	For Elevated Installation >25' To 30', Add	22.52	
	For Elevated Installation >30' To 35', Add	25.74	
	For Elevated Installation >35' To 40', Add	32.18	
	For Elevated Installation >40', Add	35.39	
	For Work In Restricted Working Space, Add	19.31	
26 05 33 13-1309	EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union .....	312.64	35.39
	For Elevated Installation >10' To 15', Add	7.08	
	For Elevated Installation >15' To 20', Add	14.16	
	For Elevated Installation >20' To 25', Add	17.70	
	For Elevated Installation >25' To 30', Add	24.78	
	For Elevated Installation >30' To 35', Add	28.32	
	For Elevated Installation >35' To 40', Add	35.40	
	For Elevated Installation >40', Add	38.93	
	For Work In Restricted Working Space, Add	21.24	
26 05 33 13-1310	EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union .....	434.59	44.41
	For Elevated Installation >10' To 15', Add	8.88	
	For Elevated Installation >15' To 20', Add	17.76	
	For Elevated Installation >20' To 25', Add	22.20	
	For Elevated Installation >25' To 30', Add	31.08	
	For Elevated Installation >30' To 35', Add	35.52	
	For Elevated Installation >35' To 40', Add	44.41	
	For Elevated Installation >40', Add	48.85	
	For Work In Restricted Working Space, Add	26.64	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 33 13-1311	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	547.44	44.41
		<i>For Elevated Installation &gt;10' To 15', Add</i>	8.88	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	17.76	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	22.20	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	31.08	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	35.52	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	44.41	
		<i>For Elevated Installation &gt;40', Add</i>	48.85	
		<i>For Work In Restricted Working Space, Add</i>	26.64	
26 05 33 13-1312	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	734.15	68.21
		<i>For Elevated Installation &gt;10' To 15', Add</i>	13.64	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	27.29	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	34.11	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	47.75	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	54.57	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	68.22	
		<i>For Elevated Installation &gt;40', Add</i>	75.04	
		<i>For Work In Restricted Working Space, Add</i>	40.93	
26 05 33 13-1313	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	918.68	88.81
		<i>For Elevated Installation &gt;10' To 15', Add</i>	17.76	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	35.52	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	44.40	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	62.16	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	71.04	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	88.81	
		<i>For Elevated Installation &gt;40', Add</i>	97.69	
		<i>For Work In Restricted Working Space, Add</i>	53.28	
26 05 33 13-1314	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	1,671.44	144.79
		<i>For Elevated Installation &gt;10' To 15', Add</i>	28.96	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	57.92	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	72.40	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	101.36	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	115.84	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	144.80	
		<i>For Elevated Installation &gt;40', Add</i>	159.27	
		<i>For Work In Restricted Working Space, Add</i>	86.88	
26 05 33 13-1315	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	2,151.87	217.52
		<i>For Elevated Installation &gt;10' To 15', Add</i>	43.50	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	87.01	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	108.76	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	152.26	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	174.01	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	217.52	
		<i>For Elevated Installation &gt;40', Add</i>	239.27	
		<i>For Work In Restricted Working Space, Add</i>	130.51	

**26 05 33 13-1316 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Reducing Couplings**
(26 05 33 13-0823)

26 05 33 13-1317	EA	3/4" x 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	52.15	5.14
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.03	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	2.06	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	2.57	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	3.60	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	4.12	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	5.15	
		<i>For Elevated Installation &gt;40', Add</i>	5.66	
		<i>For Work In Restricted Working Space, Add</i>	3.09	
26 05 33 13-1318	EA	1" x 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	57.26	6.44
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.29	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	2.58	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	3.22	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	4.51	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	5.15	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	6.44	
		<i>For Elevated Installation &gt;40', Add</i>	7.08	
		<i>For Work In Restricted Working Space, Add</i>	3.86	
26 05 33 13-1319	EA	1" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	65.07	6.44
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.29	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	2.58	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	3.22	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	4.51	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	5.15	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	6.44	
		<i>For Elevated Installation &gt;40', Add</i>	7.08	
		<i>For Work In Restricted Working Space, Add</i>	3.86	
26 05 33 13-1320	EA	1-1/4" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	80.38	7.08
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.42	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	2.83	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	3.54	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	4.96	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	5.66	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	7.08	
		<i>For Elevated Installation &gt;40', Add</i>	7.79	
		<i>For Work In Restricted Working Space, Add</i>	4.25	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1321 EA 1-1/4" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	84.88	7.08
For Elevated Installation >10' To 15', Add	1.42	
For Elevated Installation >15' To 20', Add	2.83	
For Elevated Installation >20' To 25', Add	3.54	
For Elevated Installation >25' To 30', Add	4.96	
For Elevated Installation >30' To 35', Add	5.66	
For Elevated Installation >35' To 40', Add	7.08	
For Elevated Installation >40', Add	7.79	
For Work In Restricted Working Space, Add	4.25	
26 05 33 13-1322 EA 1-1/2" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	73.01	8.36
For Elevated Installation >10' To 15', Add	1.67	
For Elevated Installation >15' To 20', Add	3.35	
For Elevated Installation >20' To 25', Add	4.19	
For Elevated Installation >25' To 30', Add	5.86	
For Elevated Installation >30' To 35', Add	6.70	
For Elevated Installation >35' To 40', Add	8.37	
For Elevated Installation >40', Add	9.21	
For Work In Restricted Working Space, Add	5.02	
26 05 33 13-1323 EA 1-1/2" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	83.08	8.36
For Elevated Installation >10' To 15', Add	1.67	
For Elevated Installation >15' To 20', Add	3.35	
For Elevated Installation >20' To 25', Add	4.19	
For Elevated Installation >25' To 30', Add	5.86	
For Elevated Installation >30' To 35', Add	6.70	
For Elevated Installation >35' To 40', Add	8.37	
For Elevated Installation >40', Add	9.21	
For Work In Restricted Working Space, Add	5.02	
26 05 33 13-1324 EA 1-1/2" x 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling .....	128.36	8.36
For Elevated Installation >10' To 15', Add	1.67	
For Elevated Installation >15' To 20', Add	3.35	
For Elevated Installation >20' To 25', Add	4.19	
For Elevated Installation >25' To 30', Add	5.86	
For Elevated Installation >30' To 35', Add	6.70	
For Elevated Installation >35' To 40', Add	8.37	
For Elevated Installation >40', Add	9.21	
For Work In Restricted Working Space, Add	5.02	
26 05 33 13-1325 EA 2" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	142.70	9.66
For Elevated Installation >10' To 15', Add	1.93	
For Elevated Installation >15' To 20', Add	3.86	
For Elevated Installation >20' To 25', Add	4.83	
For Elevated Installation >25' To 30', Add	6.76	
For Elevated Installation >30' To 35', Add	7.72	
For Elevated Installation >35' To 40', Add	9.65	
For Elevated Installation >40', Add	10.62	
For Work In Restricted Working Space, Add	5.79	
26 05 33 13-1326 EA 2" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	138.79	9.66
For Elevated Installation >10' To 15', Add	1.93	
For Elevated Installation >15' To 20', Add	3.86	
For Elevated Installation >20' To 25', Add	4.83	
For Elevated Installation >25' To 30', Add	6.76	
For Elevated Installation >30' To 35', Add	7.72	
For Elevated Installation >35' To 40', Add	9.65	
For Elevated Installation >40', Add	10.62	
For Work In Restricted Working Space, Add	5.79	
26 05 33 13-1327 EA 2" x 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	146.05	9.66
For Elevated Installation >10' To 15', Add	1.93	
For Elevated Installation >15' To 20', Add	3.86	
For Elevated Installation >20' To 25', Add	4.83	
For Elevated Installation >25' To 30', Add	6.76	
For Elevated Installation >30' To 35', Add	7.72	
For Elevated Installation >35' To 40', Add	9.65	
For Elevated Installation >40', Add	10.62	
For Work In Restricted Working Space, Add	5.79	
26 05 33 13-1328 EA 2" x 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	164.32	9.66
For Elevated Installation >10' To 15', Add	1.93	
For Elevated Installation >15' To 20', Add	3.86	
For Elevated Installation >20' To 25', Add	4.83	
For Elevated Installation >25' To 30', Add	6.76	
For Elevated Installation >30' To 35', Add	7.72	
For Elevated Installation >35' To 40', Add	9.65	
For Elevated Installation >40', Add	10.62	
For Work In Restricted Working Space, Add	5.79	
26 05 33 13-1329 EA 2-1/2" x 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling .....	163.28	11.58
For Elevated Installation >10' To 15', Add	2.32	
For Elevated Installation >15' To 20', Add	4.63	
For Elevated Installation >20' To 25', Add	5.79	
For Elevated Installation >25' To 30', Add	8.11	
For Elevated Installation >30' To 35', Add	9.27	
For Elevated Installation >35' To 40', Add	11.59	
For Elevated Installation >40', Add	12.74	
For Work In Restricted Working Space, Add	6.95	
26 05 33 13-1330 EA 3" x 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	208.25	16.09
For Elevated Installation >10' To 15', Add	3.22	
For Elevated Installation >15' To 20', Add	6.44	
For Elevated Installation >20' To 25', Add	8.05	
For Elevated Installation >25' To 30', Add	11.26	
For Elevated Installation >30' To 35', Add	12.87	
For Elevated Installation >35' To 40', Add	16.09	
For Elevated Installation >40', Add	17.70	
For Work In Restricted Working Space, Add	9.65	

**26 Electrical**  
**26 05 Common Work Results for Electrical**  
**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 05 33 13-1331	EA	3-1/2" x 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling .....	306.44	18.66
		For Elevated Installation >10' To 15', Add	3.73	
		For Elevated Installation >15' To 20', Add	7.47	
		For Elevated Installation >20' To 25', Add	9.33	
		For Elevated Installation >25' To 30', Add	13.07	
		For Elevated Installation >30' To 35', Add	14.93	
		For Elevated Installation >35' To 40', Add	18.67	
		For Elevated Installation >40', Add	20.53	
		For Work In Restricted Working Space, Add	11.20	
26 05 33 13-1332	EA	4" x 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling .....	410.02	25.74
		For Elevated Installation >10' To 15', Add	5.15	
		For Elevated Installation >15' To 20', Add	10.30	
		For Elevated Installation >20' To 25', Add	12.87	
		For Elevated Installation >25' To 30', Add	18.02	
		For Elevated Installation >30' To 35', Add	20.60	
		For Elevated Installation >35' To 40', Add	25.75	
		For Elevated Installation >40', Add	28.32	
		For Work In Restricted Working Space, Add	15.45	
26 05 33 13-1333	EA	5" x 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling .....	512.85	35.39
		For Elevated Installation >10' To 15', Add	7.08	
		For Elevated Installation >15' To 20', Add	14.16	
		For Elevated Installation >20' To 25', Add	17.70	
		For Elevated Installation >25' To 30', Add	24.78	
		For Elevated Installation >30' To 35', Add	28.32	
		For Elevated Installation >35' To 40', Add	35.40	
		For Elevated Installation >40', Add	38.93	
		For Work In Restricted Working Space, Add	21.24	

**26 05 33 13-1334 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples** (26 05 33 13-082 3)

26 05 33 13-1335	EA	1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	32.99	7.72
		For Elevated Installation >10' To 15', Add	1.54	
		For Elevated Installation >15' To 20', Add	3.09	
		For Elevated Installation >20' To 25', Add	3.86	
		For Elevated Installation >25' To 30', Add	5.40	
		For Elevated Installation >30' To 35', Add	6.18	
		For Elevated Installation >35' To 40', Add	7.72	
		For Elevated Installation >40', Add	8.49	
		For Work In Restricted Working Space, Add	4.63	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.63	
26 05 33 13-1336	EA	3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	37.18	9.66
		For Elevated Installation >10' To 15', Add	1.93	
		For Elevated Installation >15' To 20', Add	3.86	
		For Elevated Installation >20' To 25', Add	4.83	
		For Elevated Installation >25' To 30', Add	6.76	
		For Elevated Installation >30' To 35', Add	7.72	
		For Elevated Installation >35' To 40', Add	9.65	
		For Elevated Installation >40', Add	10.62	
		For Work In Restricted Working Space, Add	5.79	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.79	
26 05 33 13-1337	EA	1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	43.32	12.22
		For Elevated Installation >10' To 15', Add	2.45	
		For Elevated Installation >15' To 20', Add	4.89	
		For Elevated Installation >20' To 25', Add	6.11	
		For Elevated Installation >25' To 30', Add	8.56	
		For Elevated Installation >30' To 35', Add	9.78	
		For Elevated Installation >35' To 40', Add	12.23	
		For Elevated Installation >40', Add	13.45	
		For Work In Restricted Working Space, Add	7.34	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.34	
26 05 33 13-1338	EA	1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	51.53	14.16
		For Elevated Installation >10' To 15', Add	2.83	
		For Elevated Installation >15' To 20', Add	5.66	
		For Elevated Installation >20' To 25', Add	7.08	
		For Elevated Installation >25' To 30', Add	9.91	
		For Elevated Installation >30' To 35', Add	11.33	
		For Elevated Installation >35' To 40', Add	14.16	
		For Elevated Installation >40', Add	15.58	
		For Work In Restricted Working Space, Add	8.50	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.50	
26 05 33 13-1339	EA	1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	56.15	16.09
		For Elevated Installation >10' To 15', Add	3.22	
		For Elevated Installation >15' To 20', Add	6.44	
		For Elevated Installation >20' To 25', Add	8.05	
		For Elevated Installation >25' To 30', Add	11.26	
		For Elevated Installation >30' To 35', Add	12.87	
		For Elevated Installation >35' To 40', Add	16.09	
		For Elevated Installation >40', Add	17.70	
		For Work In Restricted Working Space, Add	9.65	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.65	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1340 EA 1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	36.53	8.36
For Elevated Installation >10' To 15', Add	1.67	
For Elevated Installation >15' To 20', Add	3.35	
For Elevated Installation >20' To 25', Add	4.18	
For Elevated Installation >25' To 30', Add	5.86	
For Elevated Installation >30' To 35', Add	6.69	
For Elevated Installation >35' To 40', Add	8.37	
For Elevated Installation >40', Add	9.20	
For Work In Restricted Working Space, Add	5.02	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.02	
26 05 33 13-1341 EA 3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	39.58	9.66
For Elevated Installation >10' To 15', Add	1.93	
For Elevated Installation >15' To 20', Add	3.86	
For Elevated Installation >20' To 25', Add	4.83	
For Elevated Installation >25' To 30', Add	6.76	
For Elevated Installation >30' To 35', Add	7.72	
For Elevated Installation >35' To 40', Add	9.65	
For Elevated Installation >40', Add	10.62	
For Work In Restricted Working Space, Add	5.79	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.79	
26 05 33 13-1342 EA 1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	45.74	12.22
For Elevated Installation >10' To 15', Add	2.45	
For Elevated Installation >15' To 20', Add	4.89	
For Elevated Installation >20' To 25', Add	6.11	
For Elevated Installation >25' To 30', Add	8.56	
For Elevated Installation >30' To 35', Add	9.78	
For Elevated Installation >35' To 40', Add	12.23	
For Elevated Installation >40', Add	13.45	
For Work In Restricted Working Space, Add	7.34	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.34	
26 05 33 13-1343 EA 1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	54.09	14.16
For Elevated Installation >10' To 15', Add	2.83	
For Elevated Installation >15' To 20', Add	5.66	
For Elevated Installation >20' To 25', Add	7.08	
For Elevated Installation >25' To 30', Add	9.91	
For Elevated Installation >30' To 35', Add	11.33	
For Elevated Installation >35' To 40', Add	14.16	
For Elevated Installation >40', Add	15.58	
For Work In Restricted Working Space, Add	8.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.50	
26 05 33 13-1344 EA 1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	58.91	16.09
For Elevated Installation >10' To 15', Add	3.22	
For Elevated Installation >15' To 20', Add	6.44	
For Elevated Installation >20' To 25', Add	8.05	
For Elevated Installation >25' To 30', Add	11.26	
For Elevated Installation >30' To 35', Add	12.87	
For Elevated Installation >35' To 40', Add	16.09	
For Elevated Installation >40', Add	17.70	
For Work In Restricted Working Space, Add	9.65	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.65	
26 05 33 13-1345 EA 2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	63.97	18.02
For Elevated Installation >10' To 15', Add	3.60	
For Elevated Installation >15' To 20', Add	7.21	
For Elevated Installation >20' To 25', Add	9.01	
For Elevated Installation >25' To 30', Add	12.61	
For Elevated Installation >30' To 35', Add	14.42	
For Elevated Installation >35' To 40', Add	18.02	
For Elevated Installation >40', Add	19.82	
For Work In Restricted Working Space, Add	10.81	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.81	
26 05 33 13-1346 EA 1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	36.70	8.36
For Elevated Installation >10' To 15', Add	1.67	
For Elevated Installation >15' To 20', Add	3.35	
For Elevated Installation >20' To 25', Add	4.18	
For Elevated Installation >25' To 30', Add	5.86	
For Elevated Installation >30' To 35', Add	6.69	
For Elevated Installation >35' To 40', Add	8.37	
For Elevated Installation >40', Add	9.20	
For Work In Restricted Working Space, Add	5.02	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.02	
26 05 33 13-1347 EA 3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	39.75	9.66
For Elevated Installation >10' To 15', Add	1.93	
For Elevated Installation >15' To 20', Add	3.86	
For Elevated Installation >20' To 25', Add	4.83	
For Elevated Installation >25' To 30', Add	6.76	
For Elevated Installation >30' To 35', Add	7.72	
For Elevated Installation >35' To 40', Add	9.65	
For Elevated Installation >40', Add	10.62	
For Work In Restricted Working Space, Add	5.79	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.79	
26 05 33 13-1348 EA 1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	46.05	12.22
For Elevated Installation >10' To 15', Add	2.45	
For Elevated Installation >15' To 20', Add	4.89	
For Elevated Installation >20' To 25', Add	6.11	
For Elevated Installation >25' To 30', Add	8.56	
For Elevated Installation >30' To 35', Add	9.78	
For Elevated Installation >35' To 40', Add	12.23	
For Elevated Installation >40', Add	13.45	
For Work In Restricted Working Space, Add	7.34	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.34	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 33 13-1349	EA 1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	54.42	14.16
	For Elevated Installation >10' To 15', Add	2.83	
	For Elevated Installation >15' To 20', Add	5.66	
	For Elevated Installation >20' To 25', Add	7.08	
	For Elevated Installation >25' To 30', Add	9.91	
	For Elevated Installation >30' To 35', Add	11.32	
	For Elevated Installation >35' To 40', Add	14.16	
	For Elevated Installation >40', Add	15.57	
	For Work In Restricted Working Space, Add	8.49	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.49	
26 05 33 13-1350	EA 1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	59.24	16.09
	For Elevated Installation >10' To 15', Add	3.22	
	For Elevated Installation >15' To 20', Add	6.43	
	For Elevated Installation >20' To 25', Add	8.04	
	For Elevated Installation >25' To 30', Add	11.26	
	For Elevated Installation >30' To 35', Add	12.87	
	For Elevated Installation >35' To 40', Add	16.09	
	For Elevated Installation >40', Add	17.69	
	For Work In Restricted Working Space, Add	9.65	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.65	
26 05 33 13-1351	EA 2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	64.82	18.02
	For Elevated Installation >10' To 15', Add	3.60	
	For Elevated Installation >15' To 20', Add	7.21	
	For Elevated Installation >20' To 25', Add	9.01	
	For Elevated Installation >25' To 30', Add	12.61	
	For Elevated Installation >30' To 35', Add	14.41	
	For Elevated Installation >35' To 40', Add	18.02	
	For Elevated Installation >40', Add	19.82	
	For Work In Restricted Working Space, Add	10.81	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.81	
26 05 33 13-1352	EA 1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	38.98	8.36
	For Elevated Installation >10' To 15', Add	1.67	
	For Elevated Installation >15' To 20', Add	3.35	
	For Elevated Installation >20' To 25', Add	4.18	
	For Elevated Installation >25' To 30', Add	5.86	
	For Elevated Installation >30' To 35', Add	6.69	
	For Elevated Installation >35' To 40', Add	8.37	
	For Elevated Installation >40', Add	9.20	
	For Work In Restricted Working Space, Add	5.02	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.02	
26 05 33 13-1353	EA 3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	42.03	9.66
	For Elevated Installation >10' To 15', Add	1.93	
	For Elevated Installation >15' To 20', Add	3.86	
	For Elevated Installation >20' To 25', Add	4.83	
	For Elevated Installation >25' To 30', Add	6.76	
	For Elevated Installation >30' To 35', Add	7.72	
	For Elevated Installation >35' To 40', Add	9.65	
	For Elevated Installation >40', Add	10.62	
	For Work In Restricted Working Space, Add	5.79	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.79	
26 05 33 13-1354	EA 1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	48.50	12.22
	For Elevated Installation >10' To 15', Add	2.45	
	For Elevated Installation >15' To 20', Add	4.89	
	For Elevated Installation >20' To 25', Add	6.11	
	For Elevated Installation >25' To 30', Add	8.56	
	For Elevated Installation >30' To 35', Add	9.78	
	For Elevated Installation >35' To 40', Add	12.23	
	For Elevated Installation >40', Add	13.45	
	For Work In Restricted Working Space, Add	7.34	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.34	
26 05 33 13-1355	EA 1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	55.81	14.16
	For Elevated Installation >10' To 15', Add	2.83	
	For Elevated Installation >15' To 20', Add	5.66	
	For Elevated Installation >20' To 25', Add	7.08	
	For Elevated Installation >25' To 30', Add	9.91	
	For Elevated Installation >30' To 35', Add	11.32	
	For Elevated Installation >35' To 40', Add	14.16	
	For Elevated Installation >40', Add	15.57	
	For Work In Restricted Working Space, Add	8.49	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.49	
26 05 33 13-1356	EA 1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	60.77	16.09
	For Elevated Installation >10' To 15', Add	3.22	
	For Elevated Installation >15' To 20', Add	6.43	
	For Elevated Installation >20' To 25', Add	8.04	
	For Elevated Installation >25' To 30', Add	11.26	
	For Elevated Installation >30' To 35', Add	12.87	
	For Elevated Installation >35' To 40', Add	16.09	
	For Elevated Installation >40', Add	17.69	
	For Work In Restricted Working Space, Add	9.65	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.65	
26 05 33 13-1357	EA 2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	67.51	18.02
	For Elevated Installation >10' To 15', Add	3.60	
	For Elevated Installation >15' To 20', Add	7.21	
	For Elevated Installation >20' To 25', Add	9.01	
	For Elevated Installation >25' To 30', Add	12.61	
	For Elevated Installation >30' To 35', Add	14.41	
	For Elevated Installation >35' To 40', Add	18.02	
	For Elevated Installation >40', Add	19.82	
	For Work In Restricted Working Space, Add	10.81	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.81	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1358 EA 2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	93.71	21.88
For Elevated Installation >10' To 15', Add	4.38	
For Elevated Installation >15' To 20', Add	8.75	
For Elevated Installation >20' To 25', Add	10.94	
For Elevated Installation >25' To 30', Add	15.31	
For Elevated Installation >30' To 35', Add	17.50	
For Elevated Installation >35' To 40', Add	21.88	
For Elevated Installation >40', Add	24.06	
For Work In Restricted Working Space, Add	13.13	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.13	
26 05 33 13-1359 EA 3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	121.62	30.25
For Elevated Installation >10' To 15', Add	6.05	
For Elevated Installation >15' To 20', Add	12.10	
For Elevated Installation >20' To 25', Add	15.12	
For Elevated Installation >25' To 30', Add	21.17	
For Elevated Installation >30' To 35', Add	24.20	
For Elevated Installation >35' To 40', Add	30.25	
For Elevated Installation >40', Add	33.27	
For Work In Restricted Working Space, Add	18.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.15	
26 05 33 13-1360 EA 1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	39.15	8.36
For Elevated Installation >10' To 15', Add	1.67	
For Elevated Installation >15' To 20', Add	3.35	
For Elevated Installation >20' To 25', Add	4.18	
For Elevated Installation >25' To 30', Add	5.86	
For Elevated Installation >30' To 35', Add	6.69	
For Elevated Installation >35' To 40', Add	8.37	
For Elevated Installation >40', Add	9.20	
For Work In Restricted Working Space, Add	5.02	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.02	
26 05 33 13-1361 EA 3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	42.34	9.66
For Elevated Installation >10' To 15', Add	1.93	
For Elevated Installation >15' To 20', Add	3.86	
For Elevated Installation >20' To 25', Add	4.83	
For Elevated Installation >25' To 30', Add	6.76	
For Elevated Installation >30' To 35', Add	7.72	
For Elevated Installation >35' To 40', Add	9.65	
For Elevated Installation >40', Add	10.62	
For Work In Restricted Working Space, Add	5.79	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.79	
26 05 33 13-1362 EA 1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	48.83	12.22
For Elevated Installation >10' To 15', Add	2.45	
For Elevated Installation >15' To 20', Add	4.89	
For Elevated Installation >20' To 25', Add	6.11	
For Elevated Installation >25' To 30', Add	8.56	
For Elevated Installation >30' To 35', Add	9.78	
For Elevated Installation >35' To 40', Add	12.23	
For Elevated Installation >40', Add	13.45	
For Work In Restricted Working Space, Add	7.34	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.34	
26 05 33 13-1363 EA 1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	57.20	14.16
For Elevated Installation >10' To 15', Add	2.83	
For Elevated Installation >15' To 20', Add	5.66	
For Elevated Installation >20' To 25', Add	7.08	
For Elevated Installation >25' To 30', Add	9.91	
For Elevated Installation >30' To 35', Add	11.32	
For Elevated Installation >35' To 40', Add	14.16	
For Elevated Installation >40', Add	15.57	
For Work In Restricted Working Space, Add	8.49	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.49	
26 05 33 13-1364 EA 1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	62.31	16.09
For Elevated Installation >10' To 15', Add	3.22	
For Elevated Installation >15' To 20', Add	6.43	
For Elevated Installation >20' To 25', Add	8.04	
For Elevated Installation >25' To 30', Add	11.26	
For Elevated Installation >30' To 35', Add	12.87	
For Elevated Installation >35' To 40', Add	16.09	
For Elevated Installation >40', Add	17.69	
For Work In Restricted Working Space, Add	9.65	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.65	
26 05 33 13-1365 EA 2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	70.19	18.02
For Elevated Installation >10' To 15', Add	3.60	
For Elevated Installation >15' To 20', Add	7.21	
For Elevated Installation >20' To 25', Add	9.01	
For Elevated Installation >25' To 30', Add	12.61	
For Elevated Installation >30' To 35', Add	14.41	
For Elevated Installation >35' To 40', Add	18.02	
For Elevated Installation >40', Add	19.82	
For Work In Restricted Working Space, Add	10.81	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.81	
26 05 33 13-1366 EA 2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	96.09	21.88
For Elevated Installation >10' To 15', Add	4.38	
For Elevated Installation >15' To 20', Add	8.75	
For Elevated Installation >20' To 25', Add	10.94	
For Elevated Installation >25' To 30', Add	15.31	
For Elevated Installation >30' To 35', Add	17.50	
For Elevated Installation >35' To 40', Add	21.88	
For Elevated Installation >40', Add	24.06	
For Work In Restricted Working Space, Add	13.13	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.13	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-1367	EA 3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	126.73	30.25
	For Elevated Installation >10' To 15', Add	6.05	
	For Elevated Installation >15' To 20', Add	12.10	
	For Elevated Installation >20' To 25', Add	15.12	
	For Elevated Installation >25' To 30', Add	21.17	
	For Elevated Installation >30' To 35', Add	24.20	
	For Elevated Installation >35' To 40', Add	30.25	
	For Elevated Installation >40', Add	33.27	
	For Work In Restricted Working Space, Add	18.15	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.15	
26 05 33 13-1368	EA 3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	150.83	34.11
	For Elevated Installation >10' To 15', Add	6.82	
	For Elevated Installation >15' To 20', Add	13.64	
	For Elevated Installation >20' To 25', Add	17.05	
	For Elevated Installation >25' To 30', Add	23.87	
	For Elevated Installation >30' To 35', Add	27.28	
	For Elevated Installation >35' To 40', Add	34.11	
	For Elevated Installation >40', Add	37.52	
	For Work In Restricted Working Space, Add	20.46	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.46	
26 05 33 13-1369	EA 4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	177.19	44.41
	For Elevated Installation >10' To 15', Add	8.88	
	For Elevated Installation >15' To 20', Add	17.76	
	For Elevated Installation >20' To 25', Add	22.20	
	For Elevated Installation >25' To 30', Add	31.08	
	For Elevated Installation >30' To 35', Add	35.52	
	For Elevated Installation >35' To 40', Add	44.40	
	For Elevated Installation >40', Add	48.84	
	For Work In Restricted Working Space, Add	26.64	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.64	
26 05 33 13-1370	EA 1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	39.46	8.36
	For Elevated Installation >10' To 15', Add	1.67	
	For Elevated Installation >15' To 20', Add	3.35	
	For Elevated Installation >20' To 25', Add	4.18	
	For Elevated Installation >25' To 30', Add	5.86	
	For Elevated Installation >30' To 35', Add	6.69	
	For Elevated Installation >35' To 40', Add	8.37	
	For Elevated Installation >40', Add	9.20	
	For Work In Restricted Working Space, Add	5.02	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.02	
26 05 33 13-1371	EA 3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	42.67	9.66
	For Elevated Installation >10' To 15', Add	1.93	
	For Elevated Installation >15' To 20', Add	3.86	
	For Elevated Installation >20' To 25', Add	4.83	
	For Elevated Installation >25' To 30', Add	6.76	
	For Elevated Installation >30' To 35', Add	7.72	
	For Elevated Installation >35' To 40', Add	9.65	
	For Elevated Installation >40', Add	10.62	
	For Work In Restricted Working Space, Add	5.79	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.79	
26 05 33 13-1372	EA 1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	49.19	12.22
	For Elevated Installation >10' To 15', Add	2.45	
	For Elevated Installation >15' To 20', Add	4.89	
	For Elevated Installation >20' To 25', Add	6.11	
	For Elevated Installation >25' To 30', Add	8.56	
	For Elevated Installation >30' To 35', Add	9.78	
	For Elevated Installation >35' To 40', Add	12.23	
	For Elevated Installation >40', Add	13.45	
	For Work In Restricted Working Space, Add	7.34	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.34	
26 05 33 13-1373	EA 1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	57.85	14.16
	For Elevated Installation >10' To 15', Add	2.83	
	For Elevated Installation >15' To 20', Add	5.66	
	For Elevated Installation >20' To 25', Add	7.08	
	For Elevated Installation >25' To 30', Add	9.91	
	For Elevated Installation >30' To 35', Add	11.32	
	For Elevated Installation >35' To 40', Add	14.16	
	For Elevated Installation >40', Add	15.57	
	For Work In Restricted Working Space, Add	8.49	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.49	
26 05 33 13-1374	EA 1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	62.98	16.09
	For Elevated Installation >10' To 15', Add	3.22	
	For Elevated Installation >15' To 20', Add	6.43	
	For Elevated Installation >20' To 25', Add	8.04	
	For Elevated Installation >25' To 30', Add	11.26	
	For Elevated Installation >30' To 35', Add	12.87	
	For Elevated Installation >35' To 40', Add	16.09	
	For Elevated Installation >40', Add	17.69	
	For Work In Restricted Working Space, Add	9.65	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.65	
26 05 33 13-1375	EA 2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	71.66	18.02
	For Elevated Installation >10' To 15', Add	3.60	
	For Elevated Installation >15' To 20', Add	7.21	
	For Elevated Installation >20' To 25', Add	9.01	
	For Elevated Installation >25' To 30', Add	12.61	
	For Elevated Installation >30' To 35', Add	14.41	
	For Elevated Installation >35' To 40', Add	18.02	
	For Elevated Installation >40', Add	19.82	
	For Work In Restricted Working Space, Add	10.81	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.81	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1376 EA 2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	105.53	21.88
For Elevated Installation >10' To 15', Add	4.38	
For Elevated Installation >15' To 20', Add	8.75	
For Elevated Installation >20' To 25', Add	10.94	
For Elevated Installation >25' To 30', Add	15.31	
For Elevated Installation >30' To 35', Add	17.50	
For Elevated Installation >35' To 40', Add	21.88	
For Elevated Installation >40', Add	24.06	
For Work In Restricted Working Space, Add	13.13	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.13	
26 05 33 13-1377 EA 3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	134.38	30.25
For Elevated Installation >10' To 15', Add	6.05	
For Elevated Installation >15' To 20', Add	12.10	
For Elevated Installation >20' To 25', Add	15.12	
For Elevated Installation >25' To 30', Add	21.17	
For Elevated Installation >30' To 35', Add	24.20	
For Elevated Installation >35' To 40', Add	30.25	
For Elevated Installation >40', Add	33.27	
For Work In Restricted Working Space, Add	18.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.15	
26 05 33 13-1378 EA 3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	152.46	34.11
For Elevated Installation >10' To 15', Add	6.82	
For Elevated Installation >15' To 20', Add	13.64	
For Elevated Installation >20' To 25', Add	17.05	
For Elevated Installation >25' To 30', Add	23.87	
For Elevated Installation >30' To 35', Add	27.28	
For Elevated Installation >35' To 40', Add	34.11	
For Elevated Installation >40', Add	37.52	
For Work In Restricted Working Space, Add	20.46	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.46	
26 05 33 13-1379 EA 4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	181.56	44.41
For Elevated Installation >10' To 15', Add	8.88	
For Elevated Installation >15' To 20', Add	17.76	
For Elevated Installation >20' To 25', Add	22.20	
For Elevated Installation >25' To 30', Add	31.08	
For Elevated Installation >30' To 35', Add	35.52	
For Elevated Installation >35' To 40', Add	44.40	
For Elevated Installation >40', Add	48.84	
For Work In Restricted Working Space, Add	26.64	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.64	
26 05 33 13-1380 EA 5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	266.55	61.13
For Elevated Installation >10' To 15', Add	12.23	
For Elevated Installation >15' To 20', Add	24.45	
For Elevated Installation >20' To 25', Add	30.57	
For Elevated Installation >25' To 30', Add	42.79	
For Elevated Installation >30' To 35', Add	48.91	
For Elevated Installation >35' To 40', Add	61.14	
For Elevated Installation >40', Add	67.25	
For Work In Restricted Working Space, Add	36.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.68	
26 05 33 13-1381 EA 1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	40.06	8.36
For Elevated Installation >10' To 15', Add	1.67	
For Elevated Installation >15' To 20', Add	3.35	
For Elevated Installation >20' To 25', Add	4.18	
For Elevated Installation >25' To 30', Add	5.86	
For Elevated Installation >30' To 35', Add	6.69	
For Elevated Installation >35' To 40', Add	8.37	
For Elevated Installation >40', Add	9.20	
For Work In Restricted Working Space, Add	5.02	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.02	
26 05 33 13-1382 EA 3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	43.27	9.66
For Elevated Installation >10' To 15', Add	1.93	
For Elevated Installation >15' To 20', Add	3.86	
For Elevated Installation >20' To 25', Add	4.83	
For Elevated Installation >25' To 30', Add	6.76	
For Elevated Installation >30' To 35', Add	7.72	
For Elevated Installation >35' To 40', Add	9.65	
For Elevated Installation >40', Add	10.62	
For Work In Restricted Working Space, Add	5.79	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.79	
26 05 33 13-1383 EA 1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	49.84	12.22
For Elevated Installation >10' To 15', Add	2.45	
For Elevated Installation >15' To 20', Add	4.89	
For Elevated Installation >20' To 25', Add	6.11	
For Elevated Installation >25' To 30', Add	8.56	
For Elevated Installation >30' To 35', Add	9.78	
For Elevated Installation >35' To 40', Add	12.23	
For Elevated Installation >40', Add	13.45	
For Work In Restricted Working Space, Add	7.34	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.34	
26 05 33 13-1384 EA 1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	59.04	14.16
For Elevated Installation >10' To 15', Add	2.83	
For Elevated Installation >15' To 20', Add	5.66	
For Elevated Installation >20' To 25', Add	7.08	
For Elevated Installation >25' To 30', Add	9.91	
For Elevated Installation >30' To 35', Add	11.32	
For Elevated Installation >35' To 40', Add	14.16	
For Elevated Installation >40', Add	15.57	
For Work In Restricted Working Space, Add	8.49	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.49	

## 26 Electrical

## 26 05 Common Work Results for Electrical

## 26 05 33 Raceway and Boxes for Electrical Systems

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-1385	EA 1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	64.42	16.09
	For Elevated Installation >10' To 15', Add	3.22	
	For Elevated Installation >15' To 20', Add	6.43	
	For Elevated Installation >20' To 25', Add	8.04	
	For Elevated Installation >25' To 30', Add	11.26	
	For Elevated Installation >30' To 35', Add	12.87	
	For Elevated Installation >35' To 40', Add	16.09	
	For Elevated Installation >40', Add	17.69	
	For Work In Restricted Working Space, Add	9.65	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.65	
26 05 33 13-1386	EA 2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	73.12	18.02
	For Elevated Installation >10' To 15', Add	3.60	
	For Elevated Installation >15' To 20', Add	7.21	
	For Elevated Installation >20' To 25', Add	9.01	
	For Elevated Installation >25' To 30', Add	12.61	
	For Elevated Installation >30' To 35', Add	14.41	
	For Elevated Installation >35' To 40', Add	18.02	
	For Elevated Installation >40', Add	19.82	
	For Work In Restricted Working Space, Add	10.81	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.81	
26 05 33 13-1387	EA 2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	115.12	21.88
	For Elevated Installation >10' To 15', Add	4.38	
	For Elevated Installation >15' To 20', Add	8.75	
	For Elevated Installation >20' To 25', Add	10.94	
	For Elevated Installation >25' To 30', Add	15.31	
	For Elevated Installation >30' To 35', Add	17.50	
	For Elevated Installation >35' To 40', Add	21.88	
	For Elevated Installation >40', Add	24.06	
	For Work In Restricted Working Space, Add	13.13	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.13	
26 05 33 13-1388	EA 3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	144.54	30.25
	For Elevated Installation >10' To 15', Add	6.05	
	For Elevated Installation >15' To 20', Add	12.10	
	For Elevated Installation >20' To 25', Add	15.12	
	For Elevated Installation >25' To 30', Add	21.17	
	For Elevated Installation >30' To 35', Add	24.20	
	For Elevated Installation >35' To 40', Add	30.25	
	For Elevated Installation >40', Add	33.27	
	For Work In Restricted Working Space, Add	18.15	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.15	
26 05 33 13-1389	EA 3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	161.61	34.11
	For Elevated Installation >10' To 15', Add	6.82	
	For Elevated Installation >15' To 20', Add	13.64	
	For Elevated Installation >20' To 25', Add	17.05	
	For Elevated Installation >25' To 30', Add	23.87	
	For Elevated Installation >30' To 35', Add	27.28	
	For Elevated Installation >35' To 40', Add	34.11	
	For Elevated Installation >40', Add	37.52	
	For Work In Restricted Working Space, Add	20.46	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.46	
26 05 33 13-1390	EA 4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	197.00	44.41
	For Elevated Installation >10' To 15', Add	8.88	
	For Elevated Installation >15' To 20', Add	17.76	
	For Elevated Installation >20' To 25', Add	22.20	
	For Elevated Installation >25' To 30', Add	31.08	
	For Elevated Installation >30' To 35', Add	35.52	
	For Elevated Installation >35' To 40', Add	44.40	
	For Elevated Installation >40', Add	48.84	
	For Work In Restricted Working Space, Add	26.64	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.64	
26 05 33 13-1391	EA 5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	289.63	61.13
	For Elevated Installation >10' To 15', Add	12.23	
	For Elevated Installation >15' To 20', Add	24.45	
	For Elevated Installation >20' To 25', Add	30.57	
	For Elevated Installation >25' To 30', Add	42.79	
	For Elevated Installation >30' To 35', Add	48.91	
	For Elevated Installation >35' To 40', Add	61.14	
	For Elevated Installation >40', Add	67.25	
	For Work In Restricted Working Space, Add	36.68	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.68	
26 05 33 13-1392	EA 1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	40.99	8.36
	For Elevated Installation >10' To 15', Add	1.67	
	For Elevated Installation >15' To 20', Add	3.35	
	For Elevated Installation >20' To 25', Add	4.18	
	For Elevated Installation >25' To 30', Add	5.86	
	For Elevated Installation >30' To 35', Add	6.69	
	For Elevated Installation >35' To 40', Add	8.37	
	For Elevated Installation >40', Add	9.20	
	For Work In Restricted Working Space, Add	5.02	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.02	
26 05 33 13-1393	EA 3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	44.19	9.66
	For Elevated Installation >10' To 15', Add	1.93	
	For Elevated Installation >15' To 20', Add	3.86	
	For Elevated Installation >20' To 25', Add	4.83	
	For Elevated Installation >25' To 30', Add	6.76	
	For Elevated Installation >30' To 35', Add	7.72	
	For Elevated Installation >35' To 40', Add	9.65	
	For Elevated Installation >40', Add	10.62	
	For Work In Restricted Working Space, Add	5.79	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.79	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1394 EA 1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	51.28	12.22
For Elevated Installation >10' To 15', Add	2.83	
For Elevated Installation >15' To 20', Add	4.89	
For Elevated Installation >20' To 25', Add	6.11	
For Elevated Installation >25' To 30', Add	8.56	
For Elevated Installation >30' To 35', Add	9.78	
For Elevated Installation >35' To 40', Add	12.23	
For Elevated Installation >40', Add	13.45	
For Work In Restricted Working Space, Add	7.34	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.34	
26 05 33 13-1395 EA 1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	59.36	14.16
For Elevated Installation >10' To 15', Add	2.83	
For Elevated Installation >15' To 20', Add	5.66	
For Elevated Installation >20' To 25', Add	7.08	
For Elevated Installation >25' To 30', Add	9.91	
For Elevated Installation >30' To 35', Add	11.32	
For Elevated Installation >35' To 40', Add	14.16	
For Elevated Installation >40', Add	15.57	
For Work In Restricted Working Space, Add	8.49	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.49	
26 05 33 13-1396 EA 1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	67.34	16.09
For Elevated Installation >10' To 15', Add	3.22	
For Elevated Installation >15' To 20', Add	6.43	
For Elevated Installation >20' To 25', Add	8.04	
For Elevated Installation >25' To 30', Add	11.26	
For Elevated Installation >30' To 35', Add	12.87	
For Elevated Installation >35' To 40', Add	16.09	
For Elevated Installation >40', Add	17.69	
For Work In Restricted Working Space, Add	9.65	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.65	
26 05 33 13-1397 EA 2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	80.26	18.02
For Elevated Installation >10' To 15', Add	3.60	
For Elevated Installation >15' To 20', Add	7.21	
For Elevated Installation >20' To 25', Add	9.01	
For Elevated Installation >25' To 30', Add	12.61	
For Elevated Installation >30' To 35', Add	14.41	
For Elevated Installation >35' To 40', Add	18.02	
For Elevated Installation >40', Add	19.82	
For Work In Restricted Working Space, Add	10.81	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.81	
26 05 33 13-1398 EA 2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	126.92	21.88
For Elevated Installation >10' To 15', Add	4.38	
For Elevated Installation >15' To 20', Add	8.75	
For Elevated Installation >20' To 25', Add	10.94	
For Elevated Installation >25' To 30', Add	15.31	
For Elevated Installation >30' To 35', Add	17.50	
For Elevated Installation >35' To 40', Add	21.88	
For Elevated Installation >40', Add	24.06	
For Work In Restricted Working Space, Add	13.13	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.13	
26 05 33 13-1399 EA 3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	158.45	30.25
For Elevated Installation >10' To 15', Add	6.05	
For Elevated Installation >15' To 20', Add	12.10	
For Elevated Installation >20' To 25', Add	15.12	
For Elevated Installation >25' To 30', Add	21.17	
For Elevated Installation >30' To 35', Add	24.20	
For Elevated Installation >35' To 40', Add	30.25	
For Elevated Installation >40', Add	33.27	
For Work In Restricted Working Space, Add	18.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.15	
26 05 33 13-1400 EA 3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	184.53	34.11
For Elevated Installation >10' To 15', Add	6.82	
For Elevated Installation >15' To 20', Add	13.64	
For Elevated Installation >20' To 25', Add	17.05	
For Elevated Installation >25' To 30', Add	23.87	
For Elevated Installation >30' To 35', Add	27.28	
For Elevated Installation >35' To 40', Add	34.11	
For Elevated Installation >40', Add	37.52	
For Work In Restricted Working Space, Add	20.46	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.46	
26 05 33 13-1401 EA 4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	220.18	44.41
For Elevated Installation >10' To 15', Add	8.88	
For Elevated Installation >15' To 20', Add	17.76	
For Elevated Installation >20' To 25', Add	22.20	
For Elevated Installation >25' To 30', Add	31.08	
For Elevated Installation >30' To 35', Add	35.52	
For Elevated Installation >35' To 40', Add	44.40	
For Elevated Installation >40', Add	48.84	
For Work In Restricted Working Space, Add	26.64	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.64	
26 05 33 13-1402 EA 5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	305.46	61.13
For Elevated Installation >10' To 15', Add	12.23	
For Elevated Installation >15' To 20', Add	24.45	
For Elevated Installation >20' To 25', Add	30.57	
For Elevated Installation >25' To 30', Add	42.79	
For Elevated Installation >30' To 35', Add	48.91	
For Elevated Installation >35' To 40', Add	61.14	
For Elevated Installation >40', Add	67.25	
For Work In Restricted Working Space, Add	36.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.68	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-1403	EA 1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	41.97	8.36
	For Elevated Installation >10' To 15', Add	1.67	
	For Elevated Installation >15' To 20', Add	3.35	
	For Elevated Installation >20' To 25', Add	4.18	
	For Elevated Installation >25' To 30', Add	5.86	
	For Elevated Installation >30' To 35', Add	6.69	
	For Elevated Installation >35' To 40', Add	8.37	
	For Elevated Installation >40', Add	9.20	
	For Work In Restricted Working Space, Add	5.02	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.02	
26 05 33 13-1404	EA 3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	45.14	9.66
	For Elevated Installation >10' To 15', Add	1.93	
	For Elevated Installation >15' To 20', Add	3.86	
	For Elevated Installation >20' To 25', Add	4.83	
	For Elevated Installation >25' To 30', Add	6.76	
	For Elevated Installation >30' To 35', Add	7.72	
	For Elevated Installation >35' To 40', Add	9.65	
	For Elevated Installation >40', Add	10.62	
	For Work In Restricted Working Space, Add	5.79	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.79	
26 05 33 13-1405	EA 1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	52.69	12.22
	For Elevated Installation >10' To 15', Add	2.45	
	For Elevated Installation >15' To 20', Add	4.89	
	For Elevated Installation >20' To 25', Add	6.11	
	For Elevated Installation >25' To 30', Add	8.56	
	For Elevated Installation >30' To 35', Add	9.78	
	For Elevated Installation >35' To 40', Add	12.23	
	For Elevated Installation >40', Add	13.45	
	For Work In Restricted Working Space, Add	7.34	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.34	
26 05 33 13-1406	EA 1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	63.67	14.16
	For Elevated Installation >10' To 15', Add	2.83	
	For Elevated Installation >15' To 20', Add	5.66	
	For Elevated Installation >20' To 25', Add	7.08	
	For Elevated Installation >25' To 30', Add	9.91	
	For Elevated Installation >30' To 35', Add	11.32	
	For Elevated Installation >35' To 40', Add	14.16	
	For Elevated Installation >40', Add	15.57	
	For Work In Restricted Working Space, Add	8.49	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.49	
26 05 33 13-1407	EA 1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	74.29	16.09
	For Elevated Installation >10' To 15', Add	3.22	
	For Elevated Installation >15' To 20', Add	6.43	
	For Elevated Installation >20' To 25', Add	8.04	
	For Elevated Installation >25' To 30', Add	11.26	
	For Elevated Installation >30' To 35', Add	12.87	
	For Elevated Installation >35' To 40', Add	16.09	
	For Elevated Installation >40', Add	17.69	
	For Work In Restricted Working Space, Add	9.65	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.65	
26 05 33 13-1408	EA 2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	90.76	18.02
	For Elevated Installation >10' To 15', Add	3.60	
	For Elevated Installation >15' To 20', Add	7.21	
	For Elevated Installation >20' To 25', Add	9.01	
	For Elevated Installation >25' To 30', Add	12.61	
	For Elevated Installation >30' To 35', Add	14.41	
	For Elevated Installation >35' To 40', Add	18.02	
	For Elevated Installation >40', Add	19.82	
	For Work In Restricted Working Space, Add	10.81	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.81	
26 05 33 13-1409	EA 2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	139.38	21.88
	For Elevated Installation >10' To 15', Add	4.38	
	For Elevated Installation >15' To 20', Add	8.75	
	For Elevated Installation >20' To 25', Add	10.94	
	For Elevated Installation >25' To 30', Add	15.31	
	For Elevated Installation >30' To 35', Add	17.50	
	For Elevated Installation >35' To 40', Add	21.88	
	For Elevated Installation >40', Add	24.06	
	For Work In Restricted Working Space, Add	13.13	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.13	
26 05 33 13-1410	EA 3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	176.26	30.25
	For Elevated Installation >10' To 15', Add	6.05	
	For Elevated Installation >15' To 20', Add	12.10	
	For Elevated Installation >20' To 25', Add	15.12	
	For Elevated Installation >25' To 30', Add	21.17	
	For Elevated Installation >30' To 35', Add	24.20	
	For Elevated Installation >35' To 40', Add	30.25	
	For Elevated Installation >40', Add	33.27	
	For Work In Restricted Working Space, Add	18.15	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.15	
26 05 33 13-1411	EA 3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	208.60	34.11
	For Elevated Installation >10' To 15', Add	6.82	
	For Elevated Installation >15' To 20', Add	13.64	
	For Elevated Installation >20' To 25', Add	17.05	
	For Elevated Installation >25' To 30', Add	23.87	
	For Elevated Installation >30' To 35', Add	27.28	
	For Elevated Installation >35' To 40', Add	34.11	
	For Elevated Installation >40', Add	37.52	
	For Work In Restricted Working Space, Add	20.46	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.46	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1412	EA			4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	260.74	44.41
				<i>For Elevated Installation &gt;10' To 15', Add</i>	8.88	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	17.76	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	22.20	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	31.08	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	35.52	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	44.40	
				<i>For Elevated Installation &gt;40', Add</i>	48.84	
				<i>For Work In Restricted Working Space, Add</i>	26.64	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.64	
26 05 33 13-1413	EA			5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	337.03	61.13
				<i>For Elevated Installation &gt;10' To 15', Add</i>	12.23	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	24.45	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	30.57	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	42.79	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	48.91	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	61.14	
				<i>For Elevated Installation &gt;40', Add</i>	67.25	
				<i>For Work In Restricted Working Space, Add</i>	36.68	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.68	
26 05 33 13-1414	EA			1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	42.98	8.36
				<i>For Elevated Installation &gt;10' To 15', Add</i>	1.67	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	3.35	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	4.18	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	5.86	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	6.69	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	8.37	
				<i>For Elevated Installation &gt;40', Add</i>	9.20	
				<i>For Work In Restricted Working Space, Add</i>	5.02	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.02	
26 05 33 13-1415	EA			3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	46.27	9.66
				<i>For Elevated Installation &gt;10' To 15', Add</i>	1.93	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	3.86	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	4.83	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	6.76	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	7.72	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	9.65	
				<i>For Elevated Installation &gt;40', Add</i>	10.62	
				<i>For Work In Restricted Working Space, Add</i>	5.79	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
26 05 33 13-1416	EA			1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	56.29	12.22
				<i>For Elevated Installation &gt;10' To 15', Add</i>	2.45	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	4.89	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	6.11	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	8.56	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	9.78	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	12.23	
				<i>For Elevated Installation &gt;40', Add</i>	13.45	
				<i>For Work In Restricted Working Space, Add</i>	7.34	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.34	
26 05 33 13-1417	EA			1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	70.77	14.16
				<i>For Elevated Installation &gt;10' To 15', Add</i>	2.83	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	5.66	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	7.08	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	9.91	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	11.32	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	14.16	
				<i>For Elevated Installation &gt;40', Add</i>	15.57	
				<i>For Work In Restricted Working Space, Add</i>	8.49	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.49	
26 05 33 13-1418	EA			1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	82.71	16.09
				<i>For Elevated Installation &gt;10' To 15', Add</i>	3.22	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	6.43	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	8.04	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	11.26	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	12.87	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	16.09	
				<i>For Elevated Installation &gt;40', Add</i>	17.69	
				<i>For Work In Restricted Working Space, Add</i>	9.65	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.65	
26 05 33 13-1419	EA			2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	99.20	18.02
				<i>For Elevated Installation &gt;10' To 15', Add</i>	3.60	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	7.21	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	9.01	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	12.61	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	14.41	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	18.02	
				<i>For Elevated Installation &gt;40', Add</i>	19.82	
				<i>For Work In Restricted Working Space, Add</i>	10.81	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.81	
26 05 33 13-1420	EA			2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	156.02	21.88
				<i>For Elevated Installation &gt;10' To 15', Add</i>	4.38	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	8.75	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	10.94	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	15.31	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	17.50	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	21.88	
				<i>For Elevated Installation &gt;40', Add</i>	24.06	
				<i>For Work In Restricted Working Space, Add</i>	13.13	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.13	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-1421	EA 3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	202.97	30.25
	For Elevated Installation >10' To 15', Add	6.05	
	For Elevated Installation >15' To 20', Add	12.10	
	For Elevated Installation >20' To 25', Add	15.12	
	For Elevated Installation >25' To 30', Add	21.17	
	For Elevated Installation >30' To 35', Add	24.20	
	For Elevated Installation >35' To 40', Add	30.25	
	For Elevated Installation >40', Add	33.27	
	For Work In Restricted Working Space, Add	18.15	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.15	
26 05 33 13-1422	EA 3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	223.37	34.11
	For Elevated Installation >10' To 15', Add	6.82	
	For Elevated Installation >15' To 20', Add	13.64	
	For Elevated Installation >20' To 25', Add	17.05	
	For Elevated Installation >25' To 30', Add	23.87	
	For Elevated Installation >30' To 35', Add	27.28	
	For Elevated Installation >35' To 40', Add	34.11	
	For Elevated Installation >40', Add	37.52	
	For Work In Restricted Working Space, Add	20.46	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.46	
26 05 33 13-1423	EA 4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	273.19	44.41
	For Elevated Installation >10' To 15', Add	8.88	
	For Elevated Installation >15' To 20', Add	17.76	
	For Elevated Installation >20' To 25', Add	22.20	
	For Elevated Installation >25' To 30', Add	31.08	
	For Elevated Installation >30' To 35', Add	35.52	
	For Elevated Installation >35' To 40', Add	44.40	
	For Elevated Installation >40', Add	48.84	
	For Work In Restricted Working Space, Add	26.64	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.64	
26 05 33 13-1424	EA 5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	341.54	61.13
	For Elevated Installation >10' To 15', Add	12.23	
	For Elevated Installation >15' To 20', Add	24.45	
	For Elevated Installation >20' To 25', Add	30.57	
	For Elevated Installation >25' To 30', Add	42.79	
	For Elevated Installation >30' To 35', Add	48.91	
	For Elevated Installation >35' To 40', Add	61.14	
	For Elevated Installation >40', Add	67.25	
	For Work In Restricted Working Space, Add	36.68	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.68	
26 05 33 13-1425	<b>Aluminum Rigid Conduit (ARC)</b> <small>(26 05 33 13-0058)</small>		
	Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-1426	<b>Aluminum Rigid Conduit (ARC) With Threaded Coupling</b> <small>(26 05 33 13-1425)</small>		
	Note: Includes field bend conduit up to 1".		
26 05 33 13-1427	LF 1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	5.97	1.98
	For Work In Restricted Working Space, Add	1.49	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.74	
26 05 33 13-1428	LF 3/4" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	6.80	2.18
	For Work In Restricted Working Space, Add	1.64	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.82	
26 05 33 13-1429	LF 1" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	7.86	2.38
	For Work In Restricted Working Space, Add	1.78	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.89	
26 05 33 13-1430	LF 1-1/4" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	8.96	2.58
	For Work In Restricted Working Space, Add	1.93	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.97	
26 05 33 13-1431	LF 1-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	10.06	2.77
	For Work In Restricted Working Space, Add	2.08	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.04	
26 05 33 13-1432	LF 2" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	12.11	3.17
	For Work In Restricted Working Space, Add	2.38	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.19	
26 05 33 13-1433	LF 2-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	16.52	3.96
	For Work In Restricted Working Space, Add	2.97	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.49	
26 05 33 13-1434	LF 3" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	20.58	4.75
	For Work In Restricted Working Space, Add	3.56	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.78	
26 05 33 13-1435	LF 3-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	25.29	5.94
	For Work In Restricted Working Space, Add	4.46	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.23	
26 05 33 13-1436	LF 4" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	31.17	7.52
	For Work In Restricted Working Space, Add	5.64	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.82	
26 05 33 13-1437	LF 5" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	41.45	9.51
	For Work In Restricted Working Space, Add	7.13	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	3.56	
26 05 33 13-1438	LF 6" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	52.98	11.88
	For Work In Restricted Working Space, Add	8.91	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	4.46	
26 05 33 13-1439	<b>Aluminum 90 Degree Elbows</b> <small>(26 05 33 13-1425)</small>		
26 05 33 13-1440	EA 1" Aluminum 90 Degree Elbow .....	36.52	10.30
	For Work In Restricted Working Space, Add	7.72	
26 05 33 13-1441	EA 1-1/4" Aluminum 90 Degree Elbow .....	46.32	11.68
	For Work In Restricted Working Space, Add	8.76	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-1442	EA 1-1/2" Aluminum 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	56.45 10.10	13.47
26 05 33 13-1443	EA 2" Aluminum 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	72.15 11.58	15.44
26 05 33 13-1444	EA 2-1/2" Aluminum 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	103.54 14.11	18.81
26 05 33 13-1445	EA 3" Aluminum 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	148.19 18.27	24.36
26 05 33 13-1446	EA 3-1/2" Aluminum 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	204.47 20.49	27.33
26 05 33 13-1447	EA 4" Aluminum 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	247.08 25.69	34.26
26 05 33 13-1448	EA 5" Aluminum 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	616.95 41.88	55.84
26 05 33 13-1449	EA 6" Aluminum 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	870.34 62.97	83.96
<b>26 05 33 13-1450 Aluminum Bushing Set With Locknut</b> <small>(26 05 33 13-1425)</small>			
26 05 33 13-1451	EA 1/2" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.72 2.97 2.97	3.96
26 05 33 13-1452	EA 3/4" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.17 3.86 3.86	5.14
26 05 33 13-1453	EA 1" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.37 4.75 4.75	6.34
26 05 33 13-1454	EA 1-1/4" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.41 5.35 5.35	7.13
26 05 33 13-1455	EA 1-1/2" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.54 6.53 6.53	8.71
26 05 33 13-1456	EA 2" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.48 7.87 7.87	10.49
26 05 33 13-1457	EA 2-1/2" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.74 9.36 9.36	12.48
26 05 33 13-1458	EA 3" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.42 10.69 10.69	14.26
26 05 33 13-1459	EA 3-1/2" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.63 11.58 11.58	15.44
26 05 33 13-1460	EA 4" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.41 12.47 12.47	16.64
26 05 33 13-1461	EA 5" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.50 16.64 16.64	22.17
26 05 33 13-1462	EA 6" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	91.47 24.95 24.95	33.26
26 05 33 13-1463	<b>Schedule 40 Polyvinyl Chloride (PVC) Conduit</b> <small>(26 05 33 13-0058)</small> Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-1464	<b>Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings</b> <small>(26 05 33 13-1463)</small> Note: Includes field bend conduit up to 1".		
26 05 33 13-1465	LF 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	4.48 0.36 0.62	1.51
26 05 33 13-1466	LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	5.08 0.44 0.74	1.66
26 05 33 13-1467	LF 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	6.23 0.59 0.97	1.94
26 05 33 13-1468	LF 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	7.38 0.74 1.20	2.22
26 05 33 13-1469	LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	8.67 0.87 1.42	2.58
26 05 33 13-1470	LF 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	10.28 1.09 1.75	2.96
26 05 33 13-1471	LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	13.41 1.59 2.50	3.52
26 05 33 13-1472	LF 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	15.67 1.88 2.94	4.07
26 05 33 13-1473	LF 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	19.05 2.36 3.66	4.81

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-1474	LF 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End ..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	22.53 2.67 4.19	5.92
26 05 33 13-1475	LF 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End ..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	32.08 3.86 6.03	8.33
26 05 33 13-1476	LF 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End ..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	42.63 5.11 7.99	11.10
<b>26 05 33 13-1477</b>	<b>Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows</b> <small>(26 05 33 13-1463)</small> See CSI section 26 05 33 13-2255 for conduit field bending.		
26 05 33 13-1478	EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow ..... See CSI section 26 05 33 13-2255 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	20.30 1.38 2.48	7.39
26 05 33 13-1479	EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow ..... See CSI section 26 05 33 13-2255 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	22.46 1.55 2.78	8.14
26 05 33 13-1480	EA 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow ..... See CSI section 26 05 33 13-2255 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	26.45 1.99 3.48	9.25
26 05 33 13-1481	EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow ..... See CSI section 26 05 33 13-2255 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	34.42 2.69 4.65	11.83
26 05 33 13-1482	EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow ..... See CSI section 26 05 33 13-2255 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	43.55 3.49 6.00	14.80
26 05 33 13-1483	EA 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow ..... See CSI section 26 05 33 13-2255 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	55.20 4.55 7.76	18.50
26 05 33 13-1484	EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow ..... See CSI section 26 05 33 13-2255 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	71.64 6.81 11.20	22.19
26 05 33 13-1485	EA 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow ..... See CSI section 26 05 33 13-2255 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	91.39 9.90 15.80	25.89
26 05 33 13-1486	EA 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow ..... See CSI section 26 05 33 13-2255 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	115.81 13.23 20.88	31.44
26 05 33 13-1487	EA 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow ..... See CSI section 26 05 33 13-2255 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	140.37 16.60 26.01	36.99
26 05 33 13-1488	EA 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow ..... See CSI section 26 05 33 13-2255 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	199.45 26.74 40.91	46.24
26 05 33 13-1489	EA 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow ..... See CSI section 26 05 33 13-2255 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	245.66 33.67 51.30	55.49
<b>26 05 33 13-1490</b>	<b>Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows</b> <small>(26 05 33 13-1463)</small> See CSI section 26 05 33 13-2255 for conduit field bending.		
26 05 33 13-1491	EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow ..... See CSI section 26 05 33 13-2255 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	20.30 1.38 2.48	7.39
26 05 33 13-1492	EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow ..... See CSI section 26 05 33 13-2255 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	22.33 1.51 2.73	8.14
26 05 33 13-1493	EA 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow ..... See CSI section 26 05 33 13-2255 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	26.27 1.95 3.42	9.25
26 05 33 13-1494	EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow ..... See CSI section 26 05 33 13-2255 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	33.89 2.55 4.46	11.83
26 05 33 13-1495	EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow ..... See CSI section 26 05 33 13-2255 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	42.33 3.18 5.57	14.80
26 05 33 13-1496	EA 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow ..... See CSI section 26 05 33 13-2255 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	54.55 4.39 7.53	18.50

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1497	EA		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2255 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	70.43 6.51 10.78	22.19
26 05 33 13-1498	EA		3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2255 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	89.86 9.52 15.27	25.89
26 05 33 13-1499	EA		3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2255 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	111.50 12.16 19.38	31.44
26 05 33 13-1500	EA		4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2255 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	136.67 15.67 24.72	36.99
26 05 33 13-1501	EA		5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2255 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	194.64 25.54 39.23	46.24
26 05 33 13-1502	EA		6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2255 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	231.36 30.10 46.30	55.49
<b>26 05 33 13-1503</b>	<b>Polyvinyl Chloride (PVC) Conduit Female Adapters (26 05 33 13-1463)</b>				
26 05 33 13-1504	EA		1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.78 3.89	5.18
26 05 33 13-1505	EA		3/4" Polyvinyl Chloride (PVC) Conduit Female Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.91 4.44	5.92
26 05 33 13-1506	EA		1" Polyvinyl Chloride (PVC) Conduit Female Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.17 4.99	6.66
26 05 33 13-1507	EA		1-1/4" Polyvinyl Chloride (PVC) Conduit Female Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.60 5.55	7.39
26 05 33 13-1508	EA		1-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.38 6.93	9.25
26 05 33 13-1509	EA		2" Polyvinyl Chloride (PVC) Conduit Female Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.92 8.32	11.10
26 05 33 13-1510	EA		2-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.02 11.10	14.80
26 05 33 13-1511	EA		3" Polyvinyl Chloride (PVC) Conduit Female Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.51 13.87	18.50
26 05 33 13-1512	EA		3-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.64 18.03	24.05
26 05 33 13-1513	EA		4" Polyvinyl Chloride (PVC) Conduit Female Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.90 22.19	29.59
26 05 33 13-1514	EA		5" Polyvinyl Chloride (PVC) Conduit Female Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	114.36 27.74	36.99
26 05 33 13-1515	EA		6" Polyvinyl Chloride (PVC) Conduit Female Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	141.96 34.68	46.24
<b>26 05 33 13-1516</b>	<b>Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug (26 05 33 13-1463)</b>				
26 05 33 13-1517	EA		1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.02 3.33	4.44
26 05 33 13-1518	EA		3/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.32 3.89	5.18
26 05 33 13-1519	EA		1" Polyvinyl Chloride (PVC) Conduit Bell End And Plug..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.68 4.44	5.92
26 05 33 13-1520	EA		1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.46 4.99	6.66
26 05 33 13-1521	EA		1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.60 5.55	7.39
26 05 33 13-1522	EA		2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.04 6.38	8.51
26 05 33 13-1523	EA		2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.33 7.22	9.62
26 05 33 13-1524	EA		3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.51 8.32	11.10
26 05 33 13-1525	EA		3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.37 9.71	12.95
26 05 33 13-1526	EA		4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.32 11.10	14.80
26 05 33 13-1527	EA		5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	77.84 12.48	16.64
26 05 33 13-1528	EA		6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	87.58 13.87	18.50
<b>26 05 33 13-1529</b>	<b>Polyvinyl Chloride (PVC) Conduit Terminal Adapters (26 05 33 13-1463)</b>				
26 05 33 13-1530	EA		1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.91 4.27	
26 05 33 13-1531	EA		3/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.16 5.12	
26 05 33 13-1532	EA		1" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.26 5.68	

**26 Electrical****26 05 33 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1533	EA		1-1/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter.....	22.86	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.33	
26 05 33 13-1534	EA		1-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter.....	25.08	9.25
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.93	
26 05 33 13-1535	EA		2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter.....	30.51	11.10
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.32	
26 05 33 13-1536	EA		2-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter.....	42.20	14.80
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.10	
26 05 33 13-1537	EA		3" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter.....	53.36	18.50
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.87	
26 05 33 13-1538	EA		3-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter.....	69.17	24.05
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.03	
26 05 33 13-1539	EA		4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter.....	83.40	29.59
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.19	
26 05 33 13-1540	EA		5" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter.....	111.40	36.99
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.74	
26 05 33 13-1541	EA		6" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter.....	138.41	46.24
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.68	
<b>26 05 33 13-1542</b>			<b>Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body</b>		
			<b>With Cover</b> <small>(26 05 33 13-1463)</small>		
26 05 33 13-1543	EA		1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover.....	44.91	14.80
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.10	
26 05 33 13-1544	EA		3/4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover.....	52.80	16.64
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.48	
26 05 33 13-1545	EA		1" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover.....	58.60	18.50
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.87	
26 05 33 13-1546	EA		1-1/4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover.....	73.15	22.19
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.65	
26 05 33 13-1547	EA		1-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover.....	89.99	27.74
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.81	
26 05 33 13-1548	EA		2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover.....	119.81	33.29
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.97	
26 05 33 13-1549	EA		2-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover.....	230.99	36.99
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.74	
26 05 33 13-1550	EA		3" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover.....	245.01	40.69
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.52	
26 05 33 13-1551	EA		3-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover.....	263.59	46.24
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.68	
26 05 33 13-1552	EA		4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover.....	291.62	53.63
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.22	
<b>26 05 33 13-1553</b>			<b>Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover</b> <small>(26 05 33 13-1463)</small>		
26 05 33 13-1554	EA		1/2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover.....	60.03	19.80
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.85	
26 05 33 13-1555	EA		3/4" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover.....	67.62	21.78
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.34	
26 05 33 13-1556	EA		1" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover.....	72.81	23.76
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.82	
26 05 33 13-1557	EA		1-1/4" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover.....	93.61	27.72
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79	
26 05 33 13-1558	EA		1-1/2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover.....	112.81	33.67
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.25	
26 05 33 13-1559	EA		2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover.....	140.75	39.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.70	
<b>26 05 33 13-1560</b>			<b>Polyvinyl Chloride (PVC) Conduit Expansion Joint</b> <small>(26 05 33 13-1463)</small>		
26 05 33 13-1561	EA		1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	114.41	18.50
26 05 33 13-1562	EA		3/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	125.33	22.19
26 05 33 13-1563	EA		1" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	137.29	25.89
26 05 33 13-1564	EA		1-1/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	148.21	29.59
26 05 33 13-1565	EA		1-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	158.70	33.29
26 05 33 13-1566	EA		2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	172.33	36.99
26 05 33 13-1567	EA		2-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	214.43	42.53
26 05 33 13-1568	EA		3" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	260.55	48.08
26 05 33 13-1569	EA		3-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	306.01	55.49
26 05 33 13-1570	EA		4" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	365.61	64.73
26 05 33 13-1571	EA		5" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	492.59	77.68
26 05 33 13-1572	EA		6" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	650.75	99.87
<b>26 05 33 13-1573</b>			<b>Polyvinyl Chloride (PVC) Conduit End Caps</b> <small>(26 05 33 13-1463)</small>		
26 05 33 13-1574	EA		1/2" Polyvinyl Chloride (PVC) Conduit End Cap.....	12.80	3.70
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.78	
26 05 33 13-1575	EA		3/4" Polyvinyl Chloride (PVC) Conduit End Cap.....	15.04	4.44
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.33	
26 05 33 13-1576	EA		1" Polyvinyl Chloride (PVC) Conduit End Cap.....	17.19	5.18
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.89	
26 05 33 13-1577	EA		1-1/4" Polyvinyl Chloride (PVC) Conduit End Cap.....	20.90	5.92
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.44	
26 05 33 13-1578	EA		1-1/2" Polyvinyl Chloride (PVC) Conduit End Cap.....	24.66	6.66
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.99	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1579 EA 2" Polyvinyl Chloride (PVC) Conduit End Cap..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.66 5.55	7.39
26 05 33 13-1580 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit End Cap..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.16 6.38	8.51
26 05 33 13-1581 EA 3" Polyvinyl Chloride (PVC) Conduit End Cap..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.05 7.22	9.62
26 05 33 13-1582 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit End Cap..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.81 8.04	10.73
26 05 33 13-1583 EA 4" Polyvinyl Chloride (PVC) Conduit End Cap..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80.42 8.60	11.46
26 05 33 13-1584 EA 5" Polyvinyl Chloride (PVC) Conduit End Cap..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	93.43 9.71	12.95
26 05 33 13-1585 EA 6" Polyvinyl Chloride (PVC) Conduit End Cap..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	120.33 11.10	14.80
<b>26 05 33 13-1586 Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways) <small>(26 05 33 13-1463)</small></b>		
26 05 33 13-1587 EA 2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways EZLB200)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	113.68 24.97	33.29
26 05 33 13-1588 EA 3/4" To 1-1/4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB121)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	116.99 16.65	22.19
26 05 33 13-1589 EA 1-1/2" To 2-1/2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB251)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	280.99 27.74	36.99
26 05 33 13-1590 EA 3" To 4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB401)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	544.29 40.22	53.63
<b>26 05 33 13-1591 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit <small>(26 05 33 13-0058)</small></b> Note: Exposed installation. Excludes supporting strap, hanger and fastening.		
<b>26 05 33 13-1592 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit <small>(26 05 33 13-1591)</small></b>		
26 05 33 13-1593 LF 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	9.39	1.51
26 05 33 13-1594 LF 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	10.48	1.66
26 05 33 13-1595 LF 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	11.54	1.92
26 05 33 13-1596 LF 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	12.60	2.22
26 05 33 13-1597 LF 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	14.09	2.58
26 05 33 13-1598 LF 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	15.21	2.96
26 05 33 13-1599 LF 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	18.16	3.52
26 05 33 13-1600 LF 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	21.42	4.07
26 05 33 13-1601 LF 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	24.67	4.81
26 05 33 13-1602 LF 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	28.86	5.92
26 05 33 13-1603 LF 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	38.37	8.33
26 05 33 13-1604 LF 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	49.70	11.10
<b>26 05 33 13-1605 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbows, 12" Large Radius Elbows <small>(26 05 33 13-1591)</small></b>		
26 05 33 13-1606 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows..... <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	122.26 8.71 12.23 15.75	7.39
26 05 33 13-1607 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows..... <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	136.51 9.73 13.65 17.57	8.14
26 05 33 13-1608 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows..... <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	140.46 9.96 14.05 18.14	9.25
26 05 33 13-1609 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows..... <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	148.08 10.37 14.81 19.25	11.83
26 05 33 13-1610 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows..... <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	156.66 10.82 15.67 20.51	14.80
26 05 33 13-1611 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows..... <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	182.42 12.53 18.24 23.96	18.50
26 05 33 13-1612 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows..... <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	218.48 15.00 21.85 28.70	22.19
26 05 33 13-1613 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows..... <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	260.32 17.91 26.03 34.16	25.89

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 05 33 13-1614	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	298.64	31.44
		<i>For 24" Radius, Add</i>	20.43	
		<i>For 36" Radius, Add</i>	29.86	
		<i>For 48" Radius, Add</i>	39.30	
26 05 33 13-1615	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	336.95	36.99
		<i>For 24" Radius, Add</i>	22.96	
		<i>For 36" Radius, Add</i>	33.70	
		<i>For 48" Radius, Add</i>	44.43	
26 05 33 13-1616	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	421.20	46.24
		<i>For 24" Radius, Add</i>	28.70	
		<i>For 36" Radius, Add</i>	42.12	
		<i>For 48" Radius, Add</i>	55.54	
26 05 33 13-1617	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	520.72	55.49
		<i>For 24" Radius, Add</i>	35.59	
		<i>For 36" Radius, Add</i>	52.07	
		<i>For 48" Radius, Add</i>	68.56	

**26 05 33 13-1618 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbows, 12" Large Radius Elbows**

(26 05 33 13-1591)

26 05 33 13-1619	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	103.59	7.39
		<i>For 24" Radius, Add</i>	7.31	
		<i>For 36" Radius, Add</i>	10.36	
		<i>For 48" Radius, Add</i>	13.41	
26 05 33 13-1620	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	115.60	8.14
		<i>For 24" Radius, Add</i>	8.16	
		<i>For 36" Radius, Add</i>	11.56	
		<i>For 48" Radius, Add</i>	14.96	
26 05 33 13-1621	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	119.34	9.25
		<i>For 24" Radius, Add</i>	8.37	
		<i>For 36" Radius, Add</i>	11.93	
		<i>For 48" Radius, Add</i>	15.50	
26 05 33 13-1622	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	126.76	11.83
		<i>For 24" Radius, Add</i>	8.77	
		<i>For 36" Radius, Add</i>	12.68	
		<i>For 48" Radius, Add</i>	16.58	
26 05 33 13-1623	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	135.12	14.80
		<i>For 24" Radius, Add</i>	9.21	
		<i>For 36" Radius, Add</i>	13.51	
		<i>For 48" Radius, Add</i>	17.81	
26 05 33 13-1624	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	157.90	18.50
		<i>For 24" Radius, Add</i>	10.69	
		<i>For 36" Radius, Add</i>	15.79	
		<i>For 48" Radius, Add</i>	20.89	
26 05 33 13-1625	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	189.14	22.19
		<i>For 24" Radius, Add</i>	12.80	
		<i>For 36" Radius, Add</i>	18.91	
		<i>For 48" Radius, Add</i>	25.03	
26 05 33 13-1626	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	225.11	25.89
		<i>For 24" Radius, Add</i>	15.27	
		<i>For 36" Radius, Add</i>	22.51	
		<i>For 48" Radius, Add</i>	29.76	
26 05 33 13-1627	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	259.03	31.44
		<i>For 24" Radius, Add</i>	17.46	
		<i>For 36" Radius, Add</i>	25.90	
		<i>For 48" Radius, Add</i>	34.34	
26 05 33 13-1628	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	292.95	36.99
		<i>For 24" Radius, Add</i>	19.66	
		<i>For 36" Radius, Add</i>	29.30	
		<i>For 48" Radius, Add</i>	38.93	
26 05 33 13-1629	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	366.19	46.24
		<i>For 24" Radius, Add</i>	24.57	
		<i>For 36" Radius, Add</i>	36.62	
		<i>For 48" Radius, Add</i>	48.66	
26 05 33 13-1630	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	451.95	55.49
		<i>For 24" Radius, Add</i>	30.43	
		<i>For 36" Radius, Add</i>	45.20	
		<i>For 48" Radius, Add</i>	59.96	

**26 05 33 13-1631 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbows, 12" Large Radius Elbows**

(26 05 33 13-1591)

26 05 33 13-1632	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	96.54	6.66
		<i>For 24" Radius, Add</i>	6.82	
		<i>For 36" Radius, Add</i>	9.65	
		<i>For 48" Radius, Add</i>	12.48	
26 05 33 13-1633	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	107.76	7.32
		<i>For 24" Radius, Add</i>	7.62	
		<i>For 36" Radius, Add</i>	10.78	
		<i>For 48" Radius, Add</i>	13.93	
26 05 33 13-1634	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	111.17	8.33
		<i>For 24" Radius, Add</i>	7.82	
		<i>For 36" Radius, Add</i>	11.12	
		<i>For 48" Radius, Add</i>	14.42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1635 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius	117.87	10.65
Elbows.....		
For 24" Radius, Add	8.17	
For 36" Radius, Add	11.79	
For 48" Radius, Add	15.40	
26 05 33 13-1636 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius	125.44	13.32
Elbows.....		
For 24" Radius, Add	8.58	
For 36" Radius, Add	12.54	
For 48" Radius, Add	16.51	
26 05 33 13-1637 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	146.47	16.64
For 24" Radius, Add	9.95	
For 36" Radius, Add	14.65	
For 48" Radius, Add	19.35	
26 05 33 13-1638 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius	175.44	19.98
Elbows.....		
For 24" Radius, Add	11.91	
For 36" Radius, Add	17.54	
For 48" Radius, Add	23.18	
26 05 33 13-1639 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	208.85	23.31
For 24" Radius, Add	14.21	
For 36" Radius, Add	20.89	
For 48" Radius, Add	27.56	
26 05 33 13-1640 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius	240.17	28.29
Elbows.....		
For 24" Radius, Add	16.24	
For 36" Radius, Add	24.02	
For 48" Radius, Add	31.79	
26 05 33 13-1641 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	271.47	33.29
For 24" Radius, Add	18.28	
For 36" Radius, Add	27.15	
For 48" Radius, Add	36.01	
26 05 33 13-1642 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	339.35	41.61
For 24" Radius, Add	22.85	
For 36" Radius, Add	33.94	
For 48" Radius, Add	45.02	
26 05 33 13-1643 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	418.97	49.94
For 24" Radius, Add	28.30	
For 36" Radius, Add	41.90	
For 48" Radius, Add	55.49	
<b>26 05 33 13-1644 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbows, 12" Large Radius Elbows</b>		
<small>(26 05 33 13-1591)</small>		
26 05 33 13-1645 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius	91.35	6.66
Elbows.....		
For 24" Radius, Add	6.44	
For 36" Radius, Add	9.14	
For 48" Radius, Add	11.83	
26 05 33 13-1646 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius	101.95	7.32
Elbows.....		
For 24" Radius, Add	7.19	
For 36" Radius, Add	10.20	
For 48" Radius, Add	13.20	
26 05 33 13-1647 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius	105.30	8.33
Elbows.....		
For 24" Radius, Add	7.38	
For 36" Radius, Add	10.53	
For 48" Radius, Add	13.68	
26 05 33 13-1648 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius	111.95	10.65
Elbows.....		
For 24" Radius, Add	7.73	
For 36" Radius, Add	11.20	
For 48" Radius, Add	14.66	
26 05 33 13-1649 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius	119.45	13.32
Elbows.....		
For 24" Radius, Add	8.13	
For 36" Radius, Add	11.95	
For 48" Radius, Add	15.76	
26 05 33 13-1650 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius	139.66	16.64
Elbows.....		
For 24" Radius, Add	9.43	
For 36" Radius, Add	13.97	
For 48" Radius, Add	18.50	
26 05 33 13-1651 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius	167.29	19.98
Elbows.....		
For 24" Radius, Add	11.30	
For 36" Radius, Add	16.73	
For 48" Radius, Add	22.16	
26 05 33 13-1652 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius	199.07	23.31
Elbows.....		
For 24" Radius, Add	13.47	
For 36" Radius, Add	19.91	
For 48" Radius, Add	26.34	
26 05 33 13-1653 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius	229.17	28.29
Elbows.....		
For 24" Radius, Add	15.42	
For 36" Radius, Add	22.92	
For 48" Radius, Add	30.41	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 05 33 13-1654	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows .....	259.25	33.29
		For 24" Radius, Add .....	17.36	
		For 36" Radius, Add .....	25.93	
		For 48" Radius, Add .....	34.49	
26 05 33 13-1655	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows .....	324.07	41.61
		For 24" Radius, Add .....	21.70	
		For 36" Radius, Add .....	32.41	
		For 48" Radius, Add .....	43.11	
26 05 33 13-1656	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows .....	399.87	49.94
		For 24" Radius, Add .....	26.87	
		For 36" Radius, Add .....	39.99	
		For 48" Radius, Add .....	53.10	

**26 05 33 13-1657 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings**

26 05 33 13-1658	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling .....	55.91	5.18
26 05 33 13-1659	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling .....	62.68	5.92
26 05 33 13-1660	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling .....	65.01	6.66
26 05 33 13-1661	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling .....	67.27	7.39
26 05 33 13-1662	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling .....	72.86	9.25
26 05 33 13-1663	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling .....	86.99	11.10
26 05 33 13-1664	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling .....	108.30	14.80
26 05 33 13-1665	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling .....	131.81	18.50
26 05 33 13-1666	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling .....	156.38	24.05
26 05 33 13-1667	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling .....	180.93	29.59
26 05 33 13-1668	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling .....	226.16	36.99
26 05 33 13-1669	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling .....	282.65	46.24

**26 05 33 13-1670 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings**

26 05 33 13-1671	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling .....	37.19	5.18
26 05 33 13-1672	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling .....	41.73	5.92
26 05 33 13-1673	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling .....	43.86	6.66
26 05 33 13-1674	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling .....	46.01	7.39
26 05 33 13-1675	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling .....	50.90	9.25
26 05 33 13-1676	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling .....	55.69	11.10
26 05 33 13-1677	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling .....	70.53	14.80
26 05 33 13-1678	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling .....	86.50	18.50
26 05 33 13-1679	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling .....	105.40	24.05
26 05 33 13-1680	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling .....	124.29	29.59
26 05 33 13-1681	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling .....	155.43	36.99
26 05 33 13-1682	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling .....	194.23	46.24

**26 05 33 13-1683 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings**

26 05 33 13-1684	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling .....	43.08	4.26
26 05 33 13-1685	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling .....	48.30	5.92
26 05 33 13-1686	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling .....	50.50	6.66
26 05 33 13-1687	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling .....	52.56	7.39
26 05 33 13-1688	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling .....	57.95	9.25
26 05 33 13-1689	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling .....	69.22	11.10
26 05 33 13-1690	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling .....	86.74	14.80
26 05 33 13-1691	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling .....	105.93	18.50
26 05 33 13-1692	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling .....	127.26	24.05
26 05 33 13-1693	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling .....	148.58	29.59
26 05 33 13-1694	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling .....	185.70	36.99
26 05 33 13-1695	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling .....	232.17	46.24

**26 05 33 13-1696 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints**

26 05 33 13-1697	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint .....	79.44	18.50
26 05 33 13-1698	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint .....	92.33	22.19
26 05 33 13-1699	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint .....	101.97	25.89
26 05 33 13-1700	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint .....	111.46	29.59
26 05 33 13-1701	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint .....	121.56	33.29
26 05 33 13-1702	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint .....	138.11	36.99
26 05 33 13-1703	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint .....	161.12	42.53
26 05 33 13-1704	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint .....	185.93	48.08
26 05 33 13-1705	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint .....	212.65	55.49
26 05 33 13-1706	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint .....	243.97	64.73
26 05 33 13-1707	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint .....	287.63	73.97
26 05 33 13-1708	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint .....	336.42	83.22

**26 05 33 13-1709 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints**

26 05 33 13-1710	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint .....	92.93	18.50
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MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-1711	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	107.44	22.19
26 05 33 13-1712	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	117.17	25.89
26 05 33 13-1713	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	126.82	29.59
26 05 33 13-1714	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	137.05	33.29
26 05 33 13-1715	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	155.79	36.99
26 05 33 13-1716	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	182.34	42.53
26 05 33 13-1717	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	211.40	48.08
26 05 33 13-1718	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	241.31	55.49
26 05 33 13-1719	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	275.83	64.73
26 05 33 13-1720	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	327.57	73.97
26 05 33 13-1721	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	386.33	83.22

**26 05 33 13-1722 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters**

(26 05 33 13-1591)

26 05 33 13-1723	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	123.98	5.18
26 05 33 13-1724	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	138.14	5.92
26 05 33 13-1725	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	143.77	6.66
26 05 33 13-1726	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	149.58	7.39
26 05 33 13-1727	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	156.23	9.25
26 05 33 13-1728	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	173.53	11.10
26 05 33 13-1729	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	211.96	14.80
26 05 33 13-1730	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	256.09	18.50
26 05 33 13-1731	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	296.20	24.05
26 05 33 13-1732	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	336.30	29.59
26 05 33 13-1733	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	420.48	36.99
26 05 33 13-1734	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	523.06	46.24

**26 05 33 13-1735 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints**

(26 05 33 13-1591)

26 05 33 13-1736	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	116.38	18.50
26 05 33 13-1737	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	133.44	22.19
26 05 33 13-1738	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	161.02	25.89
26 05 33 13-1739	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	203.80	29.59
26 05 33 13-1740	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	261.20	33.29
26 05 33 13-1741	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	356.24	36.99
26 05 33 13-1742	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	521.41	42.53
26 05 33 13-1743	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	634.88	48.08
26 05 33 13-1744	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	771.67	55.49
26 05 33 13-1745	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	913.07	64.73
26 05 33 13-1746	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	1,077.32	73.97
26 05 33 13-1747	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	1,723.01	83.22

**26 05 33 13-1748 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover**

(26 05 33 13-1591)

26 05 33 13-1749	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	99.08	14.80
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.10	
26 05 33 13-1750	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	115.66	16.64
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.48	
26 05 33 13-1751	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	159.14	18.50
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.87	
26 05 33 13-1752	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	194.95	22.19
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.65	
26 05 33 13-1753	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	248.65	27.74
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.81	
26 05 33 13-1754	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	348.86	33.29
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.97	
26 05 33 13-1755	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	595.17	38.84
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.13	
26 05 33 13-1756	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	775.06	44.39
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.29	
26 05 33 13-1757	EA	3-1/2" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover.....	934.67	51.78
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.84	
26 05 33 13-1758	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	1,094.29	59.18
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.39	
26 05 33 13-1759	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	1,295.40	66.58
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.94	
26 05 33 13-1760	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	1,471.62	73.97
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.49	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1761		<b>Explosion Proof Conduit Fittings</b> <small>(26 05 33 13-0058)</small> Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT) and Intermediate Metal Conduit (IMC) conduit.		
26 05 33	13-1762		<b>Explosion Proof Malleable Iron Conduit Unions</b> <small>(26 05 33 13-1761)</small>		
26 05 33	13-1763	EA	1/2" Explosion Proof Malleable Iron Conduit Union .....	42.16	8.26
26 05 33	13-1764	EA	3/4" Explosion Proof Malleable Iron Conduit Union .....	52.42	9.12
26 05 33	13-1765	EA	1" Explosion Proof Malleable Iron Conduit Union .....	84.18	12.16
26 05 33	13-1766	EA	1-1/4" Explosion Proof Malleable Iron Conduit Union .....	112.57	13.47
26 05 33	13-1767	EA	1-1/2" Explosion Proof Malleable Iron Conduit Union .....	141.85	16.50
26 05 33	13-1768	EA	2" Explosion Proof Malleable Iron Conduit Union .....	177.34	19.11
26 05 33	13-1769	EA	2-1/2" Explosion Proof Malleable Iron Conduit Union .....	270.64	27.31
26 05 33	13-1770	EA	3" Explosion Proof Malleable Iron Conduit Union .....	344.93	32.51
26 05 33	13-1771	EA	3-1/2" Explosion Proof Malleable Iron Conduit Union .....	585.98	39.02
26 05 33	13-1772	EA	4" Explosion Proof Malleable Iron Conduit Union .....	617.84	49.85
26 05 33	13-1773		<b>Explosion Proof Malleable Iron Conduit Bodies</b> <small>(26 05 33 13-1761)</small>		
26 05 33	13-1774	EA	1/2" Explosion Proof Malleable Iron Two Hub Conduit Body .....	150.66	26.06
26 05 33	13-1775	EA	3/4" Explosion Proof Malleable Iron Two Hub Conduit Body .....	169.75	29.53
26 05 33	13-1776	EA	1" Explosion Proof Malleable Iron Two Hub Conduit Body .....	199.69	32.57
26 05 33	13-1777	EA	1/2" Explosion Proof Malleable Iron Three Hub Conduit Body .....	168.57	32.57
26 05 33	13-1778	EA	3/4" Explosion Proof Malleable Iron Three Hub Conduit Body .....	200.70	39.09
26 05 33	13-1779	EA	1" Explosion Proof Malleable Iron Three Hub Conduit Body .....	238.21	44.73
26 05 33	13-1780		<b>Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical</b> <small>(26 05 33 13-1761)</small> Note: Includes sealing gasket and lock nut.		
26 05 33	13-1781	EA	1/2" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical .....	124.53	21.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.28	
26 05 33	13-1782	EA	3/4" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical .....	126.29	24.32
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.24	
26 05 33	13-1783	EA	1" x 1-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical .....	137.87	26.49
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.87	
26 05 33	13-1784	EA	1-1/4" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical .....	177.89	32.57
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.43	
26 05 33	13-1785	EA	1-1/2" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical .....	228.63	38.21
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.66	
26 05 33	13-1786	EA	2" x 2-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical .....	296.45	43.43
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.57	
26 05 33	13-1787	EA	2-1/2" x 3" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical .....	420.57	65.02
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.77	
26 05 33	13-1788	EA	3" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical .....	531.88	81.50
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.12	
26 05 33	13-1789	EA	3-1/2" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical .....	762.85	89.73
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.30	
26 05 33	13-1790	EA	4" x 5" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical .....	992.73	97.54
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.15	
26 05 33	13-1791		<b>Explosion Proof Flexible Conduit Couplings</b> <small>(26 05 33 13-1761)</small>		
26 05 33	13-1792	EA	1/2" x 12" Explosion Proof Flexible Conduit Coupling .....	356.01	9.99
26 05 33	13-1793	EA	3/4" x 15" Explosion Proof Flexible Conduit Coupling .....	466.62	11.29
26 05 33	13-1794		<b>Conduit Installed Below Grade</b> <small>(26 05 33 13-0057)</small> Note: By direct burial in trench or in concrete slabs or duct banks. Includes warning tape for underground conduits. Excludes trenching, backfilling and concrete.		
26 05 33	13-1795		<b>Schedule 40 Polyvinyl Chloride (PVC) Conduit, Direct Burial</b> <small>(26 05 33 13-1794)</small>		
26 05 33	13-1796		<b>Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial</b> <small>(26 05 33 13-1795)</small> Note: Includes field bend conduit up to 1".		
26 05 33	13-1797	LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial .....	3.70	
			<i>For Schedule 60, Add</i>	0.32	
			<i>For Schedule 80, Add</i>	0.54	
26 05 33	13-1798	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial .....	4.16	
			<i>For Schedule 60, Add</i>	0.39	
			<i>For Schedule 80, Add</i>	0.65	
26 05 33	13-1799	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial .....	4.84	
			<i>For Schedule 60, Add</i>	0.52	
			<i>For Schedule 80, Add</i>	0.83	
26 05 33	13-1800	LF	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial .....	5.53	
			<i>For Schedule 60, Add</i>	0.64	
			<i>For Schedule 80, Add</i>	1.01	
26 05 33	13-1801	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial .....	6.13	
			<i>For Schedule 60, Add</i>	0.75	
			<i>For Schedule 80, Add</i>	1.16	
26 05 33	13-1802	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial .....	7.05	
			<i>For Schedule 60, Add</i>	0.93	
			<i>For Schedule 80, Add</i>	1.43	
26 05 33	13-1803	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial .....	9.01	
			<i>For Schedule 60, Add</i>	1.37	
			<i>For Schedule 80, Add</i>	2.06	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-1804	LF 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	10.12
	For Schedule 60, Add	1.61
	For Schedule 80, Add	2.39
26 05 33 13-1805	LF 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	11.89
	For Schedule 60, Add	2.00
	For Schedule 80, Add	2.95
26 05 33 13-1806	LF 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	12.82
	For Schedule 60, Add	2.19
	For Schedule 80, Add	3.21
26 05 33 13-1807	LF 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	16.59
	For Schedule 60, Add	3.08
	For Schedule 80, Add	4.48
26 05 33 13-1808	LF 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	20.44
	For Schedule 60, Add	4.00
	For Schedule 80, Add	5.77

**26 05 33 13-1809 Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows, Direct**

**Burial** (26 05 33 13-1795)

See CSI section 26 05 33 13-2255 for conduit field bending.

26 05 33 13-1810	EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial .....	24.91
	For Schedule 60, Add	1.61
	For Schedule 80, Add	2.94
26 05 33 13-1811	EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial .....	29.86
	For Schedule 60, Add	1.92
	For Schedule 80, Add	3.52
26 05 33 13-1812	EA 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial .....	35.70
	For Schedule 60, Add	2.45
	For Schedule 80, Add	4.41
26 05 33 13-1813	EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial .....	41.82
	For Schedule 60, Add	3.06
	For Schedule 80, Add	5.39
26 05 33 13-1814	EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial .....	48.17
	For Schedule 60, Add	3.72
	For Schedule 80, Add	6.46
26 05 33 13-1815	EA 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial .....	55.20
	For Schedule 60, Add	4.55
	For Schedule 80, Add	7.76
26 05 33 13-1816	EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial .....	67.01
	For Schedule 60, Add	6.58
	For Schedule 80, Add	10.74
26 05 33 13-1817	EA 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial .....	82.15
	For Schedule 60, Add	9.44
	For Schedule 80, Add	14.88
26 05 33 13-1818	EA 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial .....	101.94
	For Schedule 60, Add	12.54
	For Schedule 80, Add	19.50
26 05 33 13-1819	EA 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial .....	121.87
	For Schedule 60, Add	15.67
	For Schedule 80, Add	24.16
26 05 33 13-1820	EA 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial .....	167.08
	For Schedule 60, Add	25.13
	For Schedule 80, Add	37.67
26 05 33 13-1821	EA 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial .....	199.42
	For Schedule 60, Add	31.36
	For Schedule 80, Add	46.68

**26 05 33 13-1822 Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows, Direct**

**Burial** (26 05 33 13-1795)

See CSI section 26 05 33 13-2255 for conduit field bending.

26 05 33 13-1823	EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial .....	24.91
	For Schedule 60, Add	1.61
	For Schedule 80, Add	2.94
26 05 33 13-1824	EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial .....	29.73
	For Schedule 60, Add	1.88
	For Schedule 80, Add	3.47
26 05 33 13-1825	EA 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial .....	35.52
	For Schedule 60, Add	2.41
	For Schedule 80, Add	4.34
26 05 33 13-1826	EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial .....	41.29
	For Schedule 60, Add	2.92
	For Schedule 80, Add	5.20
26 05 33 13-1827	EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial .....	46.95
	For Schedule 60, Add	3.42
	For Schedule 80, Add	6.03
26 05 33 13-1828	EA 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial .....	54.55
	For Schedule 60, Add	4.39
	For Schedule 80, Add	7.53
26 05 33 13-1829	EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial .....	65.80
	For Schedule 60, Add	6.28
	For Schedule 80, Add	10.32
26 05 33 13-1830	EA 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial .....	80.62
	For Schedule 60, Add	9.06
	For Schedule 80, Add	14.34
26 05 33 13-1831	EA 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial .....	97.63
	For Schedule 60, Add	11.46
	For Schedule 80, Add	17.99

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1832	EA		4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial .....	118.17	
			<i>For Schedule 60, Add</i> .....	14.75	
			<i>For Schedule 80, Add</i> .....	22.87	
26 05 33 13-1833	EA		5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial .....	162.27	
			<i>For Schedule 60, Add</i> .....	23.92	
			<i>For Schedule 80, Add</i> .....	35.99	
26 05 33 13-1834	EA		6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial .....	185.12	
			<i>For Schedule 60, Add</i> .....	27.79	
			<i>For Schedule 80, Add</i> .....	41.67	
<b>26 05 33 13-1835</b>			<b>Polyvinyl Chloride (PVC) Conduit Female Adapters, Direct Burial</b> <small>(26 05 33 13-1795)</small>		
26 05 33 13-1836	EA		1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	13.78	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	3.89	
26 05 33 13-1837	EA		3/4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	15.91	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	4.44	
26 05 33 13-1838	EA		1" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	18.17	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	4.99	
26 05 33 13-1839	EA		1-1/4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	20.60	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	5.55	
26 05 33 13-1840	EA		1-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	22.61	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	6.10	
26 05 33 13-1841	EA		2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	25.37	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	6.66	
26 05 33 13-1842	EA		2-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	31.00	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	7.49	
26 05 33 13-1843	EA		3" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	36.01	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	8.32	
26 05 33 13-1844	EA		3-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	42.89	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	9.71	
26 05 33 13-1845	EA		4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	47.92	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	11.10	
26 05 33 13-1846	EA		5" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	63.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	12.48	
26 05 33 13-1847	EA		6" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	72.61	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	13.87	
<b>26 05 33 13-1848</b>			<b>Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug, Direct Burial</b> <small>(26 05 33 13-1795)</small>		
26 05 33 13-1849	EA		1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial .....	18.02	
26 05 33 13-1850	EA		3/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial .....	20.32	
26 05 33 13-1851	EA		1" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial .....	22.68	
26 05 33 13-1852	EA		1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial .....	29.32	
26 05 33 13-1853	EA		1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial .....	32.44	
26 05 33 13-1854	EA		2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial .....	37.04	
26 05 33 13-1855	EA		2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial .....	41.33	
26 05 33 13-1856	EA		3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial .....	46.51	
26 05 33 13-1857	EA		3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial .....	55.37	
26 05 33 13-1858	EA		4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial .....	60.32	
26 05 33 13-1859	EA		5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial .....	77.84	
26 05 33 13-1860	EA		6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial .....	87.58	
<b>26 05 33 13-1861</b>			<b>Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial</b> <small>(26 05 33 13-1795)</small>		
26 05 33 13-1862	EA		1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial .....	13.63	
26 05 33 13-1863	EA		3/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial .....	15.91	
26 05 33 13-1864	EA		1" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial .....	17.97	
26 05 33 13-1865	EA		1-1/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial .....	20.27	
26 05 33 13-1866	EA		1-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial .....	22.31	
26 05 33 13-1867	EA		2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial .....	24.96	
26 05 33 13-1868	EA		2-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial .....	30.18	
26 05 33 13-1869	EA		3" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial .....	34.86	
26 05 33 13-1870	EA		3-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial .....	41.42	
26 05 33 13-1871	EA		4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial .....	46.42	
26 05 33 13-1872	EA		5" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial .....	60.54	
26 05 33 13-1873	EA		6" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial .....	69.06	
<b>26 05 33 13-1874</b>			<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial</b> <small>(26 05 33 13-1794)</small>		
			Note: 40 mil Polyvinyl Chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney).		
<b>26 05 33 13-1875</b>			<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial</b> <small>(26 05 33 13-1874)</small>		
			Note: Includes field bending for conduit up to 1".		
26 05 33 13-1876	LF		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial .....	11.06	2.08
			<i>For &gt;250 To 500, Deduct</i> .....	-0.42	
			<i>For &gt;500 To 1,000, Deduct</i> .....	-0.69	
			<i>For &gt;1,000, Deduct</i> .....	-0.97	
26 05 33 13-1877	LF		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial .....	12.44	2.58
			<i>For &gt;250 To 500, Deduct</i> .....	-0.47	
			<i>For &gt;500 To 1,000, Deduct</i> .....	-0.78	
			<i>For &gt;1,000, Deduct</i> .....	-1.10	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1878 LF 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial ..... <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	15.35 -0.59 -0.98 -1.36	2.87
26 05 33 13-1879 LF 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial ..... <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	18.59 -0.73 -1.20 -1.66	3.86
26 05 33 13-1880 LF 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial ..... <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	21.89 -0.87 -1.42 -1.97	4.35
26 05 33 13-1881 LF 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial ..... <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	27.79 -1.12 -1.81 -2.51	4.75
26 05 33 13-1882 LF 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial ..... <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	40.48 -1.65 -2.66 -3.68	7.13
26 05 33 13-1883 LF 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial ..... <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	52.12 -2.11 -3.41 -4.72	8.92
26 05 33 13-1884 LF 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial ..... <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	64.28 -2.60 -4.20 -5.81	9.41
26 05 33 13-1885 LF 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial ..... <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	76.31 -3.07 -4.98 -6.89	10.40
26 05 33 13-1886 LF 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial ..... <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	120.22 -5.07 -8.08 -11.08	14.35
26 05 33 13-1887 LF 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial ..... <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	160.71 -6.85 -10.87 -14.88	18.81
<b>26 05 33 13-1888 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Couplings, Direct Burial <small>(26 05 33 13-1874)</small></b>		
26 05 33 13-1889 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	11.86	2.97
26 05 33 13-1890 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	14.13	3.96
26 05 33 13-1891 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	17.96	4.95
26 05 33 13-1892 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	20.29	5.45
26 05 33 13-1893 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	24.04	6.44
26 05 33 13-1894 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	31.20	7.42
26 05 33 13-1895 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	58.29	8.92
26 05 33 13-1896 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	73.90	12.38
26 05 33 13-1897 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	91.76	14.35
26 05 33 13-1898 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	113.32	19.80
26 05 33 13-1899 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	294.67	27.23
26 05 33 13-1900 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	299.04	15.34
<b>26 05 33 13-1901 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbows, Direct Burial <small>(26 05 33 13-1874)</small></b>		
Note: 90, 45, or 30 degree.		
26 05 33 13-1902 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	45.51	12.38
26 05 33 13-1903 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	52.24	15.34
26 05 33 13-1904 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	62.34	18.81
26 05 33 13-1905 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	73.94	21.78
26 05 33 13-1906 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	86.83	24.75
26 05 33 13-1907 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	106.55	27.23
26 05 33 13-1908 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	166.46	34.16
26 05 33 13-1909 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	249.90	46.53
26 05 33 13-1910 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	310.74	52.47
26 05 33 13-1911 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	354.17	68.31
26 05 33 13-1912 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	747.00	111.38
26 05 33 13-1913 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	1,177.31	167.32

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

		<b>26 05 33 13-1914 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows, Direct Burial</b> <small>(26 05 33 13-1874)</small>	
26 05 33 13-1915	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	111.27 18.81
26 05 33 13-1916	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	125.02 21.78
26 05 33 13-1917	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	142.76 24.75
26 05 33 13-1918	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	171.08 27.23
26 05 33 13-1919	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	239.51 34.16
		<b>26 05 33 13-1920 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows, Direct Burial</b> <small>(26 05 33 13-1874)</small>	
26 05 33 13-1921	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	124.50 18.81
26 05 33 13-1922	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	146.89 21.78
26 05 33 13-1923	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	158.44 24.75
26 05 33 13-1924	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	205.27 27.23
26 05 33 13-1925	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	272.47 34.16
26 05 33 13-1926	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	347.67 46.53
		<b>26 05 33 13-1927 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows, Direct Burial</b> <small>(26 05 33 13-1874)</small>	
26 05 33 13-1928	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	140.33 18.81
26 05 33 13-1929	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	158.28 21.78
26 05 33 13-1930	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	178.55 24.75
26 05 33 13-1931	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	216.61 27.23
26 05 33 13-1932	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	310.35 34.16
26 05 33 13-1933	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	392.14 46.53
26 05 33 13-1934	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	497.00 52.47
26 05 33 13-1935	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	557.09 68.31
		<b>26 05 33 13-1936 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows, Direct Burial</b> <small>(26 05 33 13-1874)</small>	
26 05 33 13-1937	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	167.66 18.81
26 05 33 13-1938	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	185.01 21.78
26 05 33 13-1939	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	208.90 24.75
26 05 33 13-1940	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	260.32 27.23
26 05 33 13-1941	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	378.15 34.16
26 05 33 13-1942	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	467.49 46.53
26 05 33 13-1943	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	543.01 52.47
26 05 33 13-1944	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	641.55 68.31
		<b>26 05 33 13-1945 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows, Direct Burial</b> <small>(26 05 33 13-1874)</small>	
26 05 33 13-1946	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	188.93 18.81
26 05 33 13-1947	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	209.89 21.78
26 05 33 13-1948	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	238.78 24.75
26 05 33 13-1949	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	298.36 27.23
26 05 33 13-1950	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	415.14 34.16
26 05 33 13-1951	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	527.76 46.53

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1952 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	654.87	52.47
26 05 33 13-1953 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	719.08	68.31
26 05 33 13-1954 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	1,199.64	111.38
<b>26 05 33 13-1955 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1874)</small></b>		
26 05 33 13-1956 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	216.73	18.81
26 05 33 13-1957 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	239.96	21.78
26 05 33 13-1958 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	271.53	24.75
26 05 33 13-1959 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	340.56	27.23
26 05 33 13-1960 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	476.78	34.16
26 05 33 13-1961 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	604.55	46.53
26 05 33 13-1962 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	710.92	52.47
26 05 33 13-1963 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	819.18	68.31
26 05 33 13-1964 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	1,269.78	111.38
26 05 33 13-1965 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	1,731.59	167.32
<b>26 05 33 13-1966 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1874)</small></b>		
26 05 33 13-1967 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	255.46	18.81
26 05 33 13-1968 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	266.76	21.78
26 05 33 13-1969 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	315.35	24.75
26 05 33 13-1970 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	399.29	27.23
26 05 33 13-1971 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	559.90	34.16
26 05 33 13-1972 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	708.07	46.53
26 05 33 13-1973 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	866.75	52.47
26 05 33 13-1974 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	1,013.89	68.31
26 05 33 13-1975 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	1,498.59	111.38
26 05 33 13-1976 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	1,836.62	167.32
<b>26 05 33 13-1977 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1874)</small></b>		
26 05 33 13-1978 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	264.79	18.81
26 05 33 13-1979 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	312.10	21.78
26 05 33 13-1980 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	353.25	24.75
26 05 33 13-1981 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	416.96	27.23
26 05 33 13-1982 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	580.66	34.16
26 05 33 13-1983 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	739.91	46.53
26 05 33 13-1984 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	951.62	52.47
26 05 33 13-1985 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	1,058.05	68.31
26 05 33 13-1986 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	1,560.06	111.38
26 05 33 13-1987 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	1,889.99	167.32
<b>26 05 33 13-1988 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions, Direct Burial <small>(26 05 33 13-1874)</small></b>		
26 05 33 13-1989 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	86.63	12.38
26 05 33 13-1990 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	93.69	15.34

## 26 Electrical

## 26 05 Common Work Results for Electrical

## 26 05 33 Raceway and Boxes for Electrical Systems

 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 05 33 13-1991	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	122.08	18.81
26 05 33 13-1992	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	179.49	21.78
26 05 33 13-1993	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	213.46	24.75
26 05 33 13-1994	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	272.95	27.23
26 05 33 13-1995	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	364.13	34.16
26 05 33 13-1996	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	476.13	34.16
26 05 33 13-1997	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	610.83	52.47
26 05 33 13-1998	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	786.19	68.31
26 05 33 13-1999	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	1,436.86	111.38
26 05 33 13-2000	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	1,780.62	167.32
<b>26 05 33 13-2001 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions, Direct Burial</b> <small>(26 05 33 13-1874)</small>				
26 05 33 13-2002	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	88.71	12.38
26 05 33 13-2003	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	101.65	15.34
26 05 33 13-2004	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	126.32	18.81
26 05 33 13-2005	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	187.29	21.78
26 05 33 13-2006	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	224.27	24.75
26 05 33 13-2007	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	296.30	27.23
26 05 33 13-2008	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	414.09	34.16
26 05 33 13-2009	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	526.94	34.16
26 05 33 13-2010	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	702.67	52.47
26 05 33 13-2011	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	877.70	68.31
26 05 33 13-2012	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	1,604.61	111.38
26 05 33 13-2013	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	2,051.48	167.32
<b>26 05 33 13-2014 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples, Direct Burial</b> <small>(26 05 33 13-1874)</small>				
26 05 33 13-2015	EA	1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	29.43	5.94
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.56	
26 05 33 13-2016	EA	3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	32.73	7.42
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.46	
26 05 33 13-2017	EA	1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	37.68	9.41
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
26 05 33 13-2018	EA	1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	44.99	10.89
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.53	
26 05 33 13-2019	EA	1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	48.72	12.38
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.43	
26 05 33 13-2020	EA	1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	32.67	6.44
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.86	
26 05 33 13-2021	EA	3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	35.13	7.42
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.46	
26 05 33 13-2022	EA	1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	40.10	9.41
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
26 05 33 13-2023	EA	1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	47.55	10.89
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.53	
26 05 33 13-2024	EA	1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	51.48	12.38
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.43	
26 05 33 13-2025	EA	2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	55.65	13.86
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.32	
26 05 33 13-2026	EA	1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	32.84	6.44
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.86	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2027	EA			3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	35.30	7.42
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.46	
26 05 33 13-2028	EA			1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	40.41	9.41
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
26 05 33 13-2029	EA			1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	47.89	10.89
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.53	
26 05 33 13-2030	EA			1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	51.82	12.38
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.43	
26 05 33 13-2031	EA			2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	56.51	13.86
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.32	
26 05 33 13-2032	EA			1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	35.12	6.44
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.86	
26 05 33 13-2033	EA			3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	37.58	7.42
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.46	
26 05 33 13-2034	EA			1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	42.86	9.41
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
26 05 33 13-2035	EA			1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	49.28	10.89
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.53	
26 05 33 13-2036	EA			1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	53.35	12.38
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.43	
26 05 33 13-2037	EA			2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	59.20	13.86
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.32	
26 05 33 13-2038	EA			2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	83.62	16.83
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.10	
26 05 33 13-2039	EA			3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	107.66	23.27
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.96	
26 05 33 13-2040	EA			1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	35.29	6.44
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.86	
26 05 33 13-2041	EA			3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	37.89	7.42
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.46	
26 05 33 13-2042	EA			1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	43.19	9.41
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
26 05 33 13-2043	EA			1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	50.67	10.89
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.53	
26 05 33 13-2044	EA			1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	54.89	12.38
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.43	
26 05 33 13-2045	EA			2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	61.88	13.86
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.32	
26 05 33 13-2046	EA			2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	86.00	16.83
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.10	
26 05 33 13-2047	EA			3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	112.77	23.27
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.96	
26 05 33 13-2048	EA			3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	135.09	26.23
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.74	
26 05 33 13-2049	EA			4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	156.69	34.16
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.49	
26 05 33 13-2050	EA			1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	35.60	6.44
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.86	
26 05 33 13-2051	EA			3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	38.22	7.42
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.46	
26 05 33 13-2052	EA			1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	43.55	9.41
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
26 05 33 13-2053	EA			1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	51.32	10.89
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.53	
26 05 33 13-2054	EA			1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	55.56	12.38
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.43	
26 05 33 13-2055	EA			2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	63.35	13.86
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.32	
26 05 33 13-2056	EA			2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	95.44	16.83
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.10	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 05 33 13-2057	EA	3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	120.42	23.27
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.96	
26 05 33 13-2058	EA	3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	136.72	26.23
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.74	
26 05 33 13-2059	EA	4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	161.06	34.16
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.49	
26 05 33 13-2060	EA	5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	238.33	47.02
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.22	
26 05 33 13-2061	EA	1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	36.20	6.44
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.86	
26 05 33 13-2062	EA	3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	38.82	7.42
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.46	
26 05 33 13-2063	EA	1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	44.20	9.41
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
26 05 33 13-2064	EA	1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	52.51	10.89
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.53	
26 05 33 13-2065	EA	1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	57.00	12.38
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.43	
26 05 33 13-2066	EA	2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	64.81	13.86
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.32	
26 05 33 13-2067	EA	2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	105.03	16.83
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.10	
26 05 33 13-2068	EA	3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	130.58	23.27
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.96	
26 05 33 13-2069	EA	3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	145.87	26.23
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.74	
26 05 33 13-2070	EA	4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	176.50	34.16
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.49	
26 05 33 13-2071	EA	5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	261.41	47.02
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.22	
26 05 33 13-2072	EA	1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	37.13	6.44
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.86	
26 05 33 13-2073	EA	3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	39.74	7.42
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.46	
26 05 33 13-2074	EA	1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	45.64	9.41
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
26 05 33 13-2075	EA	1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	52.83	10.89
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.53	
26 05 33 13-2076	EA	1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	59.92	12.38
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.43	
26 05 33 13-2077	EA	2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	71.95	13.86
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.32	
26 05 33 13-2078	EA	2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	116.83	16.83
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.10	
26 05 33 13-2079	EA	3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	144.49	23.27
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.96	
26 05 33 13-2080	EA	3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	168.79	26.23
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.74	
26 05 33 13-2081	EA	4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	199.68	34.16
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.49	
26 05 33 13-2082	EA	5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	277.24	47.02
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.22	
26 05 33 13-2083	EA	1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	38.11	6.44
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.86	
26 05 33 13-2084	EA	3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	40.69	7.42
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.46	
26 05 33 13-2085	EA	1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	47.05	9.41
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
26 05 33 13-2086	EA	1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	57.14	10.89
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2087 EA 1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	66.87	12.38
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.43	
26 05 33 13-2088 EA 2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	82.45	13.86
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.32	
26 05 33 13-2089 EA 2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	129.29	16.83
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.10	
26 05 33 13-2090 EA 3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	162.30	23.27
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.96	
26 05 33 13-2091 EA 3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	192.86	26.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.74	
26 05 33 13-2092 EA 4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	240.24	34.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.49	
26 05 33 13-2093 EA 5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	308.81	47.02
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.22	
26 05 33 13-2094 EA 1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	39.12	6.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.86	
26 05 33 13-2095 EA 3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	41.82	7.42
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.46	
26 05 33 13-2096 EA 1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	50.65	9.41
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.64	
26 05 33 13-2097 EA 1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	64.24	10.89
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.53	
26 05 33 13-2098 EA 1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	75.29	12.38
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.43	
26 05 33 13-2099 EA 2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	90.89	13.86
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.32	
26 05 33 13-2100 EA 2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	145.93	16.83
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.10	
26 05 33 13-2101 EA 3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	189.01	23.27
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.96	
26 05 33 13-2102 EA 3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	207.63	26.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.74	
26 05 33 13-2103 EA 4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	252.69	34.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.49	
26 05 33 13-2104 EA 5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	313.32	47.02
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.22	
<b>26 05 33 13-2105</b> <b>Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit</b> <small>(26 05 33 13-1794)</small> Note: Direct burial or encased application.		
<b>26 05 33 13-2106</b> <b>Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit</b> <small>(26 05 33 13-2105)</small>		
26 05 33 13-2107 LF 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	8.61	1.20
For Work In Restricted Working Space, Add	0.90	
26 05 33 13-2108 LF 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	9.56	1.29
For Work In Restricted Working Space, Add	0.97	
26 05 33 13-2109 LF 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	10.15	1.38
For Work In Restricted Working Space, Add	1.04	
26 05 33 13-2110 LF 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	10.75	1.48
For Work In Restricted Working Space, Add	1.11	
26 05 33 13-2111 LF 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	11.55	1.57
For Work In Restricted Working Space, Add	1.18	
26 05 33 13-2112 LF 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	11.98	1.66
For Work In Restricted Working Space, Add	1.25	
26 05 33 13-2113 LF 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	13.76	1.75
For Work In Restricted Working Space, Add	1.32	
26 05 33 13-2114 LF 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	15.87	1.85
For Work In Restricted Working Space, Add	1.39	
26 05 33 13-2115 LF 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	17.51	1.94
For Work In Restricted Working Space, Add	1.46	
26 05 33 13-2116 LF 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	19.15	2.03
For Work In Restricted Working Space, Add	1.53	
26 05 33 13-2117 LF 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	22.88	2.12
For Work In Restricted Working Space, Add	1.60	
26 05 33 13-2118 LF 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	27.51	2.22
For Work In Restricted Working Space, Add	1.67	
<b>26 05 33 13-2119</b> <b>Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbows, 12" Large Radius Elbows</b> <small>(26 05 33 13-2105)</small>		

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 33 13-2120	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	126.87	9.25
		<i>For Work In Restricted Working Space, Add</i>	6.93	
		<i>For 24" Radius, Add</i>	8.94	
		<i>For 36" Radius, Add</i>	12.69	
		<i>For 48" Radius, Add</i>	16.44	
26 05 33 13-2121	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	143.91	11.10
		<i>For Work In Restricted Working Space, Add</i>	8.32	
		<i>For 24" Radius, Add</i>	10.10	
		<i>For 36" Radius, Add</i>	14.39	
		<i>For 48" Radius, Add</i>	18.68	
26 05 33 13-2122	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	149.71	12.95
		<i>For Work In Restricted Working Space, Add</i>	9.71	
		<i>For 24" Radius, Add</i>	10.42	
		<i>For 36" Radius, Add</i>	14.97	
		<i>For 48" Radius, Add</i>	19.52	
26 05 33 13-2123	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	155.48	14.80
		<i>For Work In Restricted Working Space, Add</i>	11.10	
		<i>For 24" Radius, Add</i>	10.74	
		<i>For 36" Radius, Add</i>	15.55	
		<i>For 48" Radius, Add</i>	20.36	
26 05 33 13-2124	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	161.28	16.64
		<i>For Work In Restricted Working Space, Add</i>	12.48	
		<i>For 24" Radius, Add</i>	11.06	
		<i>For 36" Radius, Add</i>	16.13	
		<i>For 48" Radius, Add</i>	21.20	
26 05 33 13-2125	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	182.42	18.50
		<i>For Work In Restricted Working Space, Add</i>	13.87	
		<i>For 24" Radius, Add</i>	12.53	
		<i>For 36" Radius, Add</i>	18.24	
		<i>For 48" Radius, Add</i>	23.96	
26 05 33 13-2126	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	213.85	20.34
		<i>For Work In Restricted Working Space, Add</i>	15.26	
		<i>For 24" Radius, Add</i>	14.77	
		<i>For 36" Radius, Add</i>	21.39	
		<i>For 48" Radius, Add</i>	28.00	
26 05 33 13-2127	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	251.08	22.19
		<i>For Work In Restricted Working Space, Add</i>	16.65	
		<i>For 24" Radius, Add</i>	17.44	
		<i>For 36" Radius, Add</i>	25.11	
		<i>For 48" Radius, Add</i>	32.77	
26 05 33 13-2128	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	284.77	25.89
		<i>For Work In Restricted Working Space, Add</i>	19.42	
		<i>For 24" Radius, Add</i>	19.74	
		<i>For 36" Radius, Add</i>	28.48	
		<i>For 48" Radius, Add</i>	37.21	
26 05 33 13-2129	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	318.45	33.29
		<i>For Work In Restricted Working Space, Add</i>	22.19	
		<i>For 24" Radius, Add</i>	22.03	
		<i>For 36" Radius, Add</i>	31.85	
		<i>For 48" Radius, Add</i>	41.66	
26 05 33 13-2130	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	388.83	33.29
		<i>For Work In Restricted Working Space, Add</i>	24.97	
		<i>For 24" Radius, Add</i>	27.08	
		<i>For 36" Radius, Add</i>	38.88	
		<i>For 48" Radius, Add</i>	50.68	
26 05 33 13-2131	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	474.48	36.99
		<i>For Work In Restricted Working Space, Add</i>	27.74	
		<i>For 24" Radius, Add</i>	33.27	
		<i>For 36" Radius, Add</i>	47.45	
		<i>For 48" Radius, Add</i>	61.62	

**26 05 33 13-2132 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings**

26 05 33 13-2133	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	55.91	5.18
		<i>For Work In Restricted Working Space, Add</i>	3.89	
26 05 33 13-2134	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	62.68	5.92
		<i>For Work In Restricted Working Space, Add</i>	4.44	
26 05 33 13-2135	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	65.01	6.66
		<i>For Work In Restricted Working Space, Add</i>	4.99	
26 05 33 13-2136	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	67.27	7.39
		<i>For Work In Restricted Working Space, Add</i>	5.55	
26 05 33 13-2137	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	70.09	8.14
		<i>For Work In Restricted Working Space, Add</i>	6.10	
26 05 33 13-2138	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	81.44	8.88
		<i>For Work In Restricted Working Space, Add</i>	6.66	
26 05 33 13-2139	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	96.28	9.99
		<i>For Work In Restricted Working Space, Add</i>	7.49	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-2140	EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	113.31	11.10
	<i>For Work In Restricted Working Space, Add</i>	8.32	
26 05 33 13-2141	EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial .....	128.63	12.95
	<i>For Work In Restricted Working Space, Add</i>	9.71	
26 05 33 13-2142	EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	143.95	14.80
	<i>For Work In Restricted Working Space, Add</i>	11.10	
26 05 33 13-2143	EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	175.30	16.64
	<i>For Work In Restricted Working Space, Add</i>	12.48	
26 05 33 13-2144	EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	213.30	18.50
	<i>For Work In Restricted Working Space, Add</i>	13.87	

**26 05 33 13-2145 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings** (26 05 33 13-2105)

26 05 33 13-2146	EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	37.19	5.18
	<i>For Work In Restricted Working Space, Add</i>	3.89	
26 05 33 13-2147	EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	41.73	5.92
	<i>For Work In Restricted Working Space, Add</i>	4.44	
26 05 33 13-2148	EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial .....	43.86	6.66
	<i>For Work In Restricted Working Space, Add</i>	4.99	
26 05 33 13-2149	EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial .....	46.01	7.39
	<i>For Work In Restricted Working Space, Add</i>	5.55	
26 05 33 13-2150	EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial .....	48.13	8.14
	<i>For Work In Restricted Working Space, Add</i>	6.10	
26 05 33 13-2151	EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial .....	50.14	8.88
	<i>For Work In Restricted Working Space, Add</i>	6.66	
26 05 33 13-2152	EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial .....	58.51	9.99
	<i>For Work In Restricted Working Space, Add</i>	7.49	
26 05 33 13-2153	EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial .....	68.00	11.10
	<i>For Work In Restricted Working Space, Add</i>	8.32	
26 05 33 13-2154	EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial .....	77.65	12.95
	<i>For Work In Restricted Working Space, Add</i>	9.71	
26 05 33 13-2155	EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial .....	87.31	14.80
	<i>For Work In Restricted Working Space, Add</i>	11.10	
26 05 33 13-2156	EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial .....	104.57	16.64
	<i>For Work In Restricted Working Space, Add</i>	12.48	
26 05 33 13-2157	EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial .....	124.88	18.50
	<i>For Work In Restricted Working Space, Add</i>	13.87	

**26 05 33 13-2158 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings** (26 05 33 13-2105)

26 05 33 13-2159	EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	37.52	2.96
	<i>For Work In Restricted Working Space, Add</i>	2.22	
26 05 33 13-2160	EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	41.83	3.33
	<i>For Work In Restricted Working Space, Add</i>	2.50	
26 05 33 13-2161	EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	43.11	3.70
	<i>For Work In Restricted Working Space, Add</i>	2.78	
26 05 33 13-2162	EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	44.23	4.07
	<i>For Work In Restricted Working Space, Add</i>	3.05	
26 05 33 13-2163	EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	45.94	4.44
	<i>For Work In Restricted Working Space, Add</i>	3.33	
26 05 33 13-2164	EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	54.43	5.18
	<i>For Work In Restricted Working Space, Add</i>	3.89	
26 05 33 13-2165	EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	65.47	6.29
	<i>For Work In Restricted Working Space, Add</i>	4.72	
26 05 33 13-2166	EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	78.19	7.39
	<i>For Work In Restricted Working Space, Add</i>	5.55	
26 05 33 13-2167	EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	90.26	9.25
	<i>For Work In Restricted Working Space, Add</i>	6.93	
26 05 33 13-2168	EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	102.35	11.10
	<i>For Work In Restricted Working Space, Add</i>	8.32	
26 05 33 13-2169	EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	125.59	12.95
	<i>For Work In Restricted Working Space, Add</i>	9.71	
26 05 33 13-2170	EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	153.57	14.80
	<i>For Work In Restricted Working Space, Add</i>	11.10	

**26 05 33 13-2171 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints** (26 05 33 13-2105)

26 05 33 13-2172	EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	79.44	18.50
	<i>For Work In Restricted Working Space, Add</i>	13.87	
26 05 33 13-2173	EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	92.33	22.19
	<i>For Work In Restricted Working Space, Add</i>	16.65	
26 05 33 13-2174	EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	101.97	25.89
	<i>For Work In Restricted Working Space, Add</i>	19.42	
26 05 33 13-2175	EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	111.46	29.59
	<i>For Work In Restricted Working Space, Add</i>	22.19	
26 05 33 13-2176	EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	116.94	31.44
	<i>For Work In Restricted Working Space, Add</i>	23.58	
26 05 33 13-2177	EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	128.86	33.29
	<i>For Work In Restricted Working Space, Add</i>	24.97	

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26 05 33 13-2178	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	142.62	35.14
		<i>For Work In Restricted Working Space, Add</i>	26.36	
26 05 33 13-2179	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	158.19	36.99
		<i>For Work In Restricted Working Space, Add</i>	27.74	
26 05 33 13-2180	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	171.04	38.84
		<i>For Work In Restricted Working Space, Add</i>	29.13	
26 05 33 13-2181	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	183.87	40.69
		<i>For Work In Restricted Working Space, Add</i>	30.52	
26 05 33 13-2182	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	209.03	42.53
		<i>For Work In Restricted Working Space, Add</i>	31.91	
26 05 33 13-2183	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	239.33	44.39
		<i>For Work In Restricted Working Space, Add</i>	33.29	
<b>26 05 33 13-2184 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints</b> <small>(26 05 33 13-2105)</small>				
26 05 33 13-2185	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial.....	92.93	18.50
		<i>For Work In Restricted Working Space, Add</i>	13.87	
26 05 33 13-2186	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial.....	107.44	22.19
		<i>For Work In Restricted Working Space, Add</i>	16.65	
26 05 33 13-2187	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial.....	117.17	25.89
		<i>For Work In Restricted Working Space, Add</i>	19.42	
26 05 33 13-2188	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial.....	126.82	29.59
		<i>For Work In Restricted Working Space, Add</i>	22.19	
26 05 33 13-2189	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial.....	132.43	31.44
		<i>For Work In Restricted Working Space, Add</i>	23.58	
26 05 33 13-2190	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial.....	146.54	33.29
		<i>For Work In Restricted Working Space, Add</i>	24.97	
26 05 33 13-2191	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial.....	163.84	35.14
		<i>For Work In Restricted Working Space, Add</i>	26.36	
26 05 33 13-2192	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial.....	183.66	36.99
		<i>For Work In Restricted Working Space, Add</i>	27.74	
26 05 33 13-2193	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial.....	199.70	38.84
		<i>For Work In Restricted Working Space, Add</i>	29.13	
26 05 33 13-2194	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial.....	215.73	40.69
		<i>For Work In Restricted Working Space, Add</i>	30.52	
26 05 33 13-2195	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial.....	248.97	42.53
		<i>For Work In Restricted Working Space, Add</i>	31.91	
26 05 33 13-2196	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial.....	289.24	44.39
		<i>For Work In Restricted Working Space, Add</i>	33.29	
<b>26 05 33 13-2197 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters</b> <small>(26 05 33 13-2105)</small>				
26 05 33 13-2198	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	123.98	5.18
		<i>For Work In Restricted Working Space, Add</i>	3.89	
26 05 33 13-2199	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	138.14	5.92
		<i>For Work In Restricted Working Space, Add</i>	4.44	
26 05 33 13-2200	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	143.77	6.66
		<i>For Work In Restricted Working Space, Add</i>	4.99	
26 05 33 13-2201	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	149.58	7.39
		<i>For Work In Restricted Working Space, Add</i>	5.55	
26 05 33 13-2202	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	153.46	8.14
		<i>For Work In Restricted Working Space, Add</i>	6.10	
26 05 33 13-2203	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	167.98	8.88
		<i>For Work In Restricted Working Space, Add</i>	6.66	
26 05 33 13-2204	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	199.94	9.99
		<i>For Work In Restricted Working Space, Add</i>	7.49	
26 05 33 13-2205	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	237.59	11.10
		<i>For Work In Restricted Working Space, Add</i>	8.32	
26 05 33 13-2206	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	268.45	12.95
		<i>For Work In Restricted Working Space, Add</i>	9.71	
26 05 33 13-2207	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	299.32	14.80
		<i>For Work In Restricted Working Space, Add</i>	11.10	
26 05 33 13-2208	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	369.62	16.64
		<i>For Work In Restricted Working Space, Add</i>	12.48	
26 05 33 13-2209	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	453.71	18.50
		<i>For Work In Restricted Working Space, Add</i>	13.87	
<b>26 05 33 13-2210 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints</b> <small>(26 05 33 13-2105)</small>				
26 05 33 13-2211	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial.....	116.38	18.50
		<i>For Work In Restricted Working Space, Add</i>	13.87	
26 05 33 13-2212	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial.....	133.44	22.19
		<i>For Work In Restricted Working Space, Add</i>	16.65	
26 05 33 13-2213	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial.....	161.02	25.89
		<i>For Work In Restricted Working Space, Add</i>	19.42	
26 05 33 13-2214	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial.....	203.80	29.59
		<i>For Work In Restricted Working Space, Add</i>	22.19	
26 05 33 13-2215	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial.....	256.58	31.44
		<i>For Work In Restricted Working Space, Add</i>	23.58	

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26 05 33 13-2216	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial.....	346.99	33.29
			<i>For Work In Restricted Working Space, Add</i> .....	24.97	
26 05 33 13-2217	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial.....	502.91	35.14
			<i>For Work In Restricted Working Space, Add</i> .....	26.36	
26 05 33 13-2218	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial.....	607.14	36.99
			<i>For Work In Restricted Working Space, Add</i> .....	27.74	
26 05 33 13-2219	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial.....	730.06	38.84
			<i>For Work In Restricted Working Space, Add</i> .....	29.13	
26 05 33 13-2220	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial.....	852.97	40.69
			<i>For Work In Restricted Working Space, Add</i> .....	30.52	
26 05 33 13-2221	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial.....	998.72	42.53
			<i>For Work In Restricted Working Space, Add</i> .....	31.91	
26 05 33 13-2222	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial.....	1,625.92	44.39
			<i>For Work In Restricted Working Space, Add</i> .....	33.29	

**26 05 33 13-2223 Spacers** (26 05 33 13-1794)

Note: For concrete encasement applications. See CSI section 03 31 13 00-0045 for concrete., 26 05 33 13-1794 for conduit.

26 05 33 13-2224	EA		1" Base Spacers, Average 4" Wide, Direct Burial.....	10.56	
26 05 33 13-2225	EA		1" Intermediate Spacers, Average 4" Wide, Direct Burial.....	11.25	
26 05 33 13-2226	EA		1-1/4" Base Spacer, Average 4" Wide, Direct Burial.....	12.48	
26 05 33 13-2227	EA		1-1/4" Intermediate Spacers, Average 4" Wide, Direct Burial.....	13.32	
26 05 33 13-2228	EA		1-1/2" Base Spacer, Average 4" Wide, Direct Burial.....	12.65	
26 05 33 13-2229	EA		1-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial.....	13.44	
26 05 33 13-2230	EA		2" Base Spacer, Average 4" Wide, Direct Burial.....	15.49	
26 05 33 13-2231	EA		2" Intermediate Spacers, Average 4" Wide, Direct Burial.....	14.38	
26 05 33 13-2232	EA		2-1/2" Base Spacer, Average 4" Wide, Direct Burial.....	17.06	
26 05 33 13-2233	EA		2-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial.....	16.53	
26 05 33 13-2234	EA		3" Base Spacer, Average 4" Wide, Direct Burial.....	19.40	
26 05 33 13-2235	EA		3" Intermediate Spacers, Average 4" Wide, Direct Burial.....	18.63	
26 05 33 13-2236	EA		3-1/2" Base Spacer, Average 4" Wide, Direct Burial.....	21.03	
26 05 33 13-2237	EA		3-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial.....	20.17	
26 05 33 13-2238	EA		4" Base Spacer, Average 4" Wide, Direct Burial.....	21.73	
26 05 33 13-2239	EA		4" Intermediate Spacers, Average 4" Wide, Direct Burial.....	20.73	
26 05 33 13-2240	EA		5" Base Spacer, Average 4" Wide, Direct Burial.....	24.06	
26 05 33 13-2241	EA		5" Intermediate Spacers, Average 4" Wide, Direct Burial.....	22.87	
26 05 33 13-2242	EA		6" Base Spacer, Average 4" Wide, Direct Burial.....	27.79	
26 05 33 13-2243	EA		6" Intermediate Spacers, Average 4" Wide, Direct Burial.....	26.76	

**26 05 33 13-2244 Conduit Field Bending** (26 05 33 13-0057)

**26 05 33 13-2245 Metallic Conduit Field Bending** (26 05 33 13-2244)

Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT), Intermediate Metal Conduit (IMC) and aluminum conduits.

26 05 33 13-2246	EA		1-1/4" Metallic Conduit Field Bending.....	16.73	
26 05 33 13-2247	EA		1-1/2" Metallic Conduit Field Bending.....	22.31	
26 05 33 13-2248	EA		2" Metallic Conduit Field Bending.....	27.88	
26 05 33 13-2249	EA		2-1/2" Metallic Conduit Field Bending.....	39.03	
26 05 33 13-2250	EA		3" Metallic Conduit Field Bending.....	50.19	
26 05 33 13-2251	EA		3-1/2" Metallic Conduit Field Bending.....	61.34	
26 05 33 13-2252	EA		4" Metallic Conduit Field Bending.....	72.49	
26 05 33 13-2253	EA		5" Metallic Conduit Field Bending.....	89.22	
26 05 33 13-2254	EA		6" Metallic Conduit Field Bending.....	105.95	

**26 05 33 13-2255 Plastic Conduit Field Bending** (26 05 33 13-2244)

Note: For PVC conduits.

26 05 33 13-2256	EA		1" Plastic Conduit Field Bending.....	25.65	
26 05 33 13-2257	EA		1-1/4" Plastic Conduit Field Bending.....	27.88	
26 05 33 13-2258	EA		1-1/2" Plastic Conduit Field Bending.....	33.46	
26 05 33 13-2259	EA		2" Plastic Conduit Field Bending.....	44.61	
26 05 33 13-2260	EA		2-1/2" Plastic Conduit Field Bending.....	55.76	
26 05 33 13-2261	EA		3" Plastic Conduit Field Bending.....	66.92	
26 05 33 13-2262	EA		3-1/2" Plastic Conduit Field Bending.....	78.07	
26 05 33 13-2263	EA		4" Plastic Conduit Field Bending.....	89.22	
26 05 33 13-2264	EA		5" Plastic Conduit Field Bending.....	100.38	
26 05 33 13-2265	EA		6" Plastic Conduit Field Bending.....	111.53	

**26 05 33 13-2266 Cut And Thread Existing In-Place Threaded Conduit** (26 05 33 13-0057)

Note: For use when connecting conduit to an existing in-place system.

26 05 33 13-2267	EA		1/2", Cut And Thread Existing In-Place Threaded Conduit.....	32.57	
			<i>For Work In Restricted Working Space, Add</i> .....	9.77	
26 05 33 13-2268	EA		3/4", Cut And Thread Existing In-Place Threaded Conduit.....	35.83	
			<i>For Work In Restricted Working Space, Add</i> .....	10.75	
26 05 33 13-2269	EA		1", Cut And Thread Existing In-Place Threaded Conduit.....	39.09	
			<i>For Work In Restricted Working Space, Add</i> .....	11.73	

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26 05 33 13-2270	EA	1-1/4", Cut And Thread Existing In-Place Threaded Conduit.....	42.34	
		<i>For Work In Restricted Working Space, Add</i>	12.70	
26 05 33 13-2271	EA	1-1/2", Cut And Thread Existing In-Place Threaded Conduit.....	44.51	
		<i>For Work In Restricted Working Space, Add</i>	13.35	
26 05 33 13-2272	EA	2", Cut And Thread Existing In-Place Threaded Conduit.....	46.69	
		<i>For Work In Restricted Working Space, Add</i>	14.01	
26 05 33 13-2273	EA	2-1/2", Cut And Thread Existing In-Place Threaded Conduit.....	48.86	
		<i>For Work In Restricted Working Space, Add</i>	14.66	
26 05 33 13-2274	EA	3", Cut And Thread Existing In-Place Threaded Conduit.....	51.03	
		<i>For Work In Restricted Working Space, Add</i>	15.31	
26 05 33 13-2275	EA	3-1/2", Cut And Thread Existing In-Place Threaded Conduit.....	52.11	
		<i>For Work In Restricted Working Space, Add</i>	15.63	
26 05 33 13-2276	EA	4", Cut And Thread Existing In-Place Threaded Conduit.....	53.20	
		<i>For Work In Restricted Working Space, Add</i>	15.96	
26 05 33 13-2277	EA	5", Cut And Thread Existing In-Place Threaded Conduit.....	55.37	
		<i>For Work In Restricted Working Space, Add</i>	16.61	
26 05 33 13-2278	EA	6", Cut And Thread Existing In-Place Threaded Conduit.....	57.55	
		<i>For Work In Restricted Working Space, Add</i>	17.27	
26 05 33 13-2279		<b>Flexible Conduit</b> <small>(26 05 33 13-0057)</small>		
26 05 33 13-2280		<b>Flexible Liquid Tight Metallic Conduit And Connectors</b> <small>(26 05 33 13-2279)</small>		
		Note: Steel inner core with PVC cover.		
26 05 33 13-2281		<b>Flexible Liquid Tight Metallic Conduit</b> <small>(26 05 33 13-2280)</small>		
26 05 33 13-2282	LF	3/8" Flexible Liquid Tight Metallic Conduit.....	3.86	1.18
		<i>For Work In Restricted Working Space, Add</i>	0.89	
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.45	
26 05 33 13-2283	LF	1/2" Flexible Liquid Tight Metallic Conduit.....	3.99	1.18
		<i>For Work In Restricted Working Space, Add</i>	0.89	
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.45	
26 05 33 13-2284	LF	3/4" Flexible Liquid Tight Metallic Conduit.....	5.35	1.58
		<i>For Work In Restricted Working Space, Add</i>	1.19	
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.59	
26 05 33 13-2285	LF	1" Flexible Liquid Tight Metallic Conduit.....	6.06	1.58
		<i>For Work In Restricted Working Space, Add</i>	1.19	
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.59	
26 05 33 13-2286	LF	1-1/4" Flexible Liquid Tight Metallic Conduit.....	7.81	1.98
		<i>For Work In Restricted Working Space, Add</i>	1.49	
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.74	
26 05 33 13-2287	LF	1-1/2" Flexible Liquid Tight Metallic Conduit.....	9.95	2.38
		<i>For Work In Restricted Working Space, Add</i>	1.78	
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.89	
26 05 33 13-2288	LF	2" Flexible Liquid Tight Metallic Conduit.....	13.11	3.17
		<i>For Work In Restricted Working Space, Add</i>	2.38	
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.19	
26 05 33 13-2289	LF	2-1/2" Flexible Liquid Tight Metallic Conduit.....	17.49	3.56
		<i>For Work In Restricted Working Space, Add</i>	2.68	
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.34	
26 05 33 13-2290	LF	3" Flexible Liquid Tight Metallic Conduit.....	25.31	4.35
		<i>For Work In Restricted Working Space, Add</i>	3.27	
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.63	
26 05 33 13-2291	LF	4" Flexible Liquid Tight Metallic Conduit.....	34.44	5.55
		<i>For Work In Restricted Working Space, Add</i>	4.16	
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	2.08	
26 05 33 13-2292		<b>Straight Liquid Tight Connector</b> <small>(26 05 33 13-2280)</small>		
26 05 33 13-2293	EA	3/8" Straight Liquid Tight Connector.....	10.46	3.17
		<i>For Work In Restricted Working Space, Add</i>	2.38	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.38	
26 05 33 13-2294	EA	1/2" Straight Liquid Tight Connector.....	10.46	3.17
		<i>For Work In Restricted Working Space, Add</i>	2.38	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.38	
26 05 33 13-2295	EA	3/4" Straight Liquid Tight Connector.....	12.56	3.56
		<i>For Work In Restricted Working Space, Add</i>	2.68	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.68	
26 05 33 13-2296	EA	1" Straight Liquid Tight Connector.....	16.40	3.96
		<i>For Work In Restricted Working Space, Add</i>	2.97	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.97	
26 05 33 13-2297	EA	1-1/4" Straight Liquid Tight Connector.....	20.72	4.35
		<i>For Work In Restricted Working Space, Add</i>	3.27	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.27	
26 05 33 13-2298	EA	1-1/2" Straight Liquid Tight Connector.....	25.90	4.75
		<i>For Work In Restricted Working Space, Add</i>	3.56	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.56	
26 05 33 13-2299	EA	2" Straight Liquid Tight Connector.....	35.22	5.55
		<i>For Work In Restricted Working Space, Add</i>	4.16	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.16	
26 05 33 13-2300	EA	2-1/2" Straight Liquid Tight Connector.....	114.81	7.13
		<i>For Work In Restricted Working Space, Add</i>	5.35	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.35	
26 05 33 13-2301	EA	3" Straight Liquid Tight Connector.....	147.26	7.52
		<i>For Work In Restricted Working Space, Add</i>	5.64	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
26 05 33 13-2302	EA	4" Straight Liquid Tight Connector.....	181.12	11.09
		<i>For Work In Restricted Working Space, Add</i>	8.32	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.32	



MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>26 05 33 13-2303</b>	<b>90 Degree Angle Liquid Tight Connector</b> <small>(26 05 33 13-2280)</small>		
26 05 33 13-2304	EA 3/8" 90 Degree Angle Liquid Tight Connector.....	15.14	4.35
	For Work In Restricted Working Space, Add	3.27	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.27	
26 05 33 13-2305	EA 1/2" 90 Degree Angle Liquid Tight Connector.....	15.69	4.35
	For Work In Restricted Working Space, Add	3.27	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.27	
26 05 33 13-2306	EA 3/4" 90 Degree Angle Liquid Tight Connector.....	17.65	4.75
	For Work In Restricted Working Space, Add	3.56	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.56	
26 05 33 13-2307	EA 1" 90 Degree Angle Liquid Tight Connector.....	24.35	5.55
	For Work In Restricted Working Space, Add	4.16	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.16	
26 05 33 13-2308	EA 1-1/4" 90 Degree Angle Liquid Tight Connector .....	30.19	5.94
	For Work In Restricted Working Space, Add	4.46	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.46	
26 05 33 13-2309	EA 1-1/2" 90 Degree Angle Liquid Tight Connector .....	36.21	6.34
	For Work In Restricted Working Space, Add	4.75	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.75	
26 05 33 13-2310	EA 2" 90 Degree Angle Liquid Tight Connector.....	47.31	7.13
	For Work In Restricted Working Space, Add	5.35	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.35	
26 05 33 13-2311	EA 2-1/2" 90 Degree Angle Liquid Tight Connector .....	159.26	7.52
	For Work In Restricted Working Space, Add	5.64	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.64	
26 05 33 13-2312	EA 3" 90 Degree Angle Liquid Tight Connector.....	188.11	8.71
	For Work In Restricted Working Space, Add	6.53	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.53	
26 05 33 13-2313	EA 4" 90 Degree Angle Liquid Tight Connector.....	261.06	13.86
	For Work In Restricted Working Space, Add	10.40	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.40	
<b>26 05 33 13-2314</b>	<b>45 Degree Angle Connector</b> <small>(26 05 33 13-2280)</small>		
26 05 33 13-2315	EA 3/8" 45 Degree Angle Liquid Tight Connector.....	14.95	4.35
	For Work In Restricted Working Space, Add	3.27	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.27	
26 05 33 13-2316	EA 1/2" 45 Degree Angle Liquid Tight Connector.....	15.08	4.35
	For Work In Restricted Working Space, Add	3.27	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.27	
26 05 33 13-2317	EA 3/4" 45 Degree Angle Liquid Tight Connector.....	17.65	4.75
	For Work In Restricted Working Space, Add	3.56	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.56	
26 05 33 13-2318	EA 1" 45 Degree Angle Liquid Tight Connector.....	25.84	5.55
	For Work In Restricted Working Space, Add	4.16	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.16	
26 05 33 13-2319	EA 1-1/4" 45 Degree Angle Liquid Tight Connector .....	29.22	5.94
	For Work In Restricted Working Space, Add	4.46	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.46	
26 05 33 13-2320	EA 1-1/2" 45 Degree Angle Liquid Tight Connector .....	32.59	6.34
	For Work In Restricted Working Space, Add	4.75	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.75	
<b>26 05 33 13-2321</b>	<b>Flexible Metallic Conduit And Connectors</b> <small>(26 05 33 13-2279)</small>		
<b>26 05 33 13-2322</b>	<b>Flexible Steel Conduit</b> <small>(26 05 33 13-2321)</small>		
26 05 33 13-2323	LF 3/8" Flexible Metallic Conduit.....	3.97	1.30
	For Work In Restricted Working Space, Add	0.95	
	For Installation In Metal Stud Wall, Add	0.32	
	For Installation In Wood Stud Wall (Includes Drilling), Add	0.80	
	For Flexible Aluminum Conduit, Add	0.13	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.48	
26 05 33 13-2324	LF 1/2" Flexible Metallic Conduit.....	4.12	1.30
	For Work In Restricted Working Space, Add	0.98	
	For Installation In Metal Stud Wall, Add	0.33	
	For Installation In Wood Stud Wall (Includes Drilling), Add	0.81	
	For Flexible Aluminum Conduit, Add	0.14	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.49	
26 05 33 13-2325	LF 3/4" Flexible Metallic Conduit.....	4.71	1.73
	For Work In Restricted Working Space, Add	1.06	
	For Installation In Metal Stud Wall, Add	0.35	
	For Installation In Wood Stud Wall (Includes Drilling), Add	0.88	
	For Flexible Aluminum Conduit, Add	0.20	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.53	
26 05 33 13-2326	LF 1" Flexible Metallic Conduit.....	6.01	1.73
	For Work In Restricted Working Space, Add	1.14	
	For Installation In Metal Stud Wall, Add	0.38	
	For Installation In Wood Stud Wall (Includes Drilling), Add	0.95	
	For Flexible Aluminum Conduit, Add	0.37	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.57	
26 05 33 13-2327	LF 1-1/4" Flexible Metallic Conduit .....	6.91	2.17
	For Work In Restricted Working Space, Add	1.20	
	For Installation In Metal Stud Wall, Add	0.40	
	For Installation In Wood Stud Wall (Includes Drilling), Add	1.00	
	For Flexible Aluminum Conduit, Add	0.48	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.60	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 05 33 13-2328	LF	1-1/2" Flexible Metallic Conduit.....	9.25	2.60
		<i>For Work In Restricted Working Space, Add</i>	1.25	
		<i>For Installation In Metal Stud Wall, Add</i>	0.42	
		<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.04	
		<i>For Flexible Aluminum Conduit, Add</i>	0.84	
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.63	
26 05 33 13-2329	LF	2" Flexible Metallic Conduit.....	10.56	3.47
		<i>For Work In Restricted Working Space, Add</i>	1.30	
		<i>For Installation In Metal Stud Wall, Add</i>	0.43	
		<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.08	
		<i>For Flexible Aluminum Conduit, Add</i>	1.03	
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.65	
26 05 33 13-2330	LF	2-1/2" Flexible Steel Conduit.....	12.96	3.90
		<i>For Work In Restricted Working Space, Add</i>	1.63	
		<i>For Installation In Metal Stud Wall, Add</i>	0.54	
		<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.36	
		<i>For Flexible Aluminum Conduit, Add</i>	1.24	
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.81	
26 05 33 13-2331	LF	3" Flexible Metallic Conduit.....	19.60	4.77
		<i>For Work In Restricted Working Space, Add</i>	1.95	
		<i>For Installation In Metal Stud Wall, Add</i>	0.65	
		<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.63	
		<i>For Flexible Aluminum Conduit, Add</i>	2.16	
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.98	
26 05 33 13-2332	LF	3-1/2" Flexible Metallic Conduit.....	24.09	5.20
		<i>For Work In Restricted Working Space, Add</i>	2.28	
		<i>For Installation In Metal Stud Wall, Add</i>	0.76	
		<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.90	
		<i>For Flexible Aluminum Conduit, Add</i>	2.72	
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.14	
26 05 33 13-2333	LF	4" Flexible Metallic Conduit.....	27.71	6.07
		<i>For Work In Restricted Working Space, Add</i>	2.60	
		<i>For Installation In Metal Stud Wall, Add</i>	0.87	
		<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	2.17	
		<i>For Flexible Aluminum Conduit, Add</i>	3.14	
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.30	
<b>26 05 33 13-2334</b>		<b>Plain Squeeze Type Straight Connector</b> <small>(26 05 33 13-2321)</small>		
26 05 33 13-2335	EA	3/8" Flexible Straight Connectors, Plain.....	6.88	3.47
		<i>For Work In Restricted Working Space, Add</i>	1.46	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.46	
26 05 33 13-2336	EA	1/2" Flexible Straight Connectors, Plain.....	8.61	3.90
		<i>For Work In Restricted Working Space, Add</i>	1.63	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.63	
26 05 33 13-2337	EA	3/4" Flexible Straight Connectors, Plain.....	9.87	4.77
		<i>For Work In Restricted Working Space, Add</i>	1.95	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.95	
26 05 33 13-2338	EA	1" Flexible Straight Connectors, Plain.....	16.04	5.20
		<i>For Work In Restricted Working Space, Add</i>	2.60	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.60	
26 05 33 13-2339	EA	1-1/4" Flexible Straight Connectors, Plain.....	22.91	6.07
		<i>For Work In Restricted Working Space, Add</i>	3.25	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.25	
26 05 33 13-2340	EA	1-1/2" Flexible Straight Connectors, Plain.....	30.30	7.37
		<i>For Work In Restricted Working Space, Add</i>	4.06	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.06	
26 05 33 13-2341	EA	2" Flexible Straight Connectors, Plain.....	40.09	7.37
		<i>For Work In Restricted Working Space, Add</i>	4.88	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.88	
26 05 33 13-2342	EA	2-1/2" Flexible Straight Connectors, Plain.....	65.79	9.10
		<i>For Work In Restricted Working Space, Add</i>	5.69	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.69	
26 05 33 13-2343	EA	3" Flexible Straight Connectors, Plain.....	86.58	9.97
		<i>For Work In Restricted Working Space, Add</i>	6.50	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.50	
26 05 33 13-2344	EA	3-1/2" Flexible Straight Connectors, Plain.....	275.40	11.71
		<i>For Work In Restricted Working Space, Add</i>	7.31	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.31	
26 05 33 13-2345	EA	4" Flexible Straight Connectors, Plain.....	344.67	14.31
		<i>For Work In Restricted Working Space, Add</i>	8.13	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.13	
<b>26 05 33 13-2346</b>		<b>Insulated Throat Squeeze Type Straight Connector</b> <small>(26 05 33 13-2321)</small>		
26 05 33 13-2347	EA	1/2" Flexible Straight Connectors, Insulated.....	9.71	3.90
		<i>For Work In Restricted Working Space, Add</i>	1.63	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.63	
26 05 33 13-2348	EA	3/4" Flexible Straight Connectors, Insulated.....	11.31	4.77
		<i>For Work In Restricted Working Space, Add</i>	1.95	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.95	
26 05 33 13-2349	EA	1" Flexible Straight Connectors, Insulated.....	18.00	5.20
		<i>For Work In Restricted Working Space, Add</i>	2.60	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.60	
26 05 33 13-2350	EA	1-1/4" Flexible Straight Connectors, Insulated.....	26.51	6.07
		<i>For Work In Restricted Working Space, Add</i>	3.25	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.25	
26 05 33 13-2351	EA	1-1/2" Flexible Straight Connectors, Insulated.....	36.70	6.51
		<i>For Work In Restricted Working Space, Add</i>	4.06	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.06	

MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

26 05 33 13-2352	EA 2" Flexible Straight Connectors, Insulated.....	51.40	7.37
	<i>For Work In Restricted Working Space, Add</i>	4.88	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.88	
26 05 33 13-2353	EA 2-1/2" Flexible Straight Connectors, Insulated.....	89.99	9.10
	<i>For Work In Restricted Working Space, Add</i>	5.69	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.69	
26 05 33 13-2354	EA 3" Flexible Straight Connectors, Insulated.....	115.12	9.97
	<i>For Work In Restricted Working Space, Add</i>	6.50	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.50	
26 05 33 13-2355	EA 3-1/2" Flexible Straight Connectors, Insulated.....	319.39	11.71
	<i>For Work In Restricted Working Space, Add</i>	7.31	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.31	
26 05 33 13-2356	EA 4" Flexible Straight Connectors, Insulated.....	410.81	14.31
	<i>For Work In Restricted Working Space, Add</i>	8.13	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.13	
26 05 33 13-2357	<b>Plain Squeeze Type 90 Degree Connector</b> <small>(26 05 33 13-2321)</small>		
26 05 33 13-2358	EA 3/8" Flexible 90 Degree Connector, Plain.....	9.73	4.33
	<i>For Work In Restricted Working Space, Add</i>	1.95	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.95	
26 05 33 13-2359	EA 1/2" Flexible 90 Degree Connector, Plain.....	12.97	4.77
	<i>For Work In Restricted Working Space, Add</i>	2.28	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.28	
26 05 33 13-2360	EA 3/4" Flexible 90 Degree Connector, Plain.....	17.10	5.20
	<i>For Work In Restricted Working Space, Add</i>	2.60	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.60	
26 05 33 13-2361	EA 1" Flexible 90 Degree Connector, Plain.....	24.14	6.07
	<i>For Work In Restricted Working Space, Add</i>	3.25	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.25	
26 05 33 13-2362	EA 1-1/4" Flexible 90 Degree Connector, Plain.....	38.26	6.51
	<i>For Work In Restricted Working Space, Add</i>	3.90	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.90	
26 05 33 13-2363	EA 1-1/2" Flexible 90 Degree Connector, Plain.....	60.41	7.59
	<i>For Work In Restricted Working Space, Add</i>	4.88	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.88	
26 05 33 13-2364	EA 2" Flexible 90 Degree Connector, Plain.....	73.02	9.32
	<i>For Work In Restricted Working Space, Add</i>	5.53	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.53	
26 05 33 13-2365	EA 2-1/2" Flexible 90 Degree Connector, Plain.....	163.97	9.97
	<i>For Work In Restricted Working Space, Add</i>	6.50	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.50	
26 05 33 13-2366	EA 3" Flexible 90 Degree Connector, Plain.....	211.19	11.71
	<i>For Work In Restricted Working Space, Add</i>	7.31	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.31	
26 05 33 13-2367	EA 3-1/2" Flexible 90 Degree Connector, Plain.....	451.93	14.31
	<i>For Work In Restricted Working Space, Add</i>	8.13	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.13	
26 05 33 13-2368	EA 4" Flexible 90 Degree Connector, Plain.....	809.90	16.26
	<i>For Work In Restricted Working Space, Add</i>	9.75	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.75	
26 05 33 13-2369	<b>Insulated Throat Squeeze Type 90 Degree Connector</b> <small>(26 05 33 13-2321)</small>		
26 05 33 13-2370	EA 1/2" Flexible 90 Degree Connector, Insulated.....	14.50	4.77
	<i>For Work In Restricted Working Space, Add</i>	2.28	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.28	
26 05 33 13-2371	EA 3/4" Flexible 90 Degree Connector, Insulated.....	18.98	5.20
	<i>For Work In Restricted Working Space, Add</i>	2.60	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.60	
26 05 33 13-2372	EA 1" Flexible 90 Degree Connector, Insulated.....	24.14	6.07
	<i>For Work In Restricted Working Space, Add</i>	3.25	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.25	
26 05 33 13-2373	EA 1-1/4" Flexible 90 Degree Connector, Insulated.....	44.94	6.51
	<i>For Work In Restricted Working Space, Add</i>	3.90	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.90	
26 05 33 13-2374	EA 1-1/2" Flexible 90 Degree Connector, Insulated.....	72.53	7.59
	<i>For Work In Restricted Working Space, Add</i>	4.88	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.88	
26 05 33 13-2375	EA 2" Flexible 90 Degree Connector, Insulated.....	92.73	9.32
	<i>For Work In Restricted Working Space, Add</i>	5.53	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.53	
26 05 33 13-2376	EA 2-1/2" Flexible 90 Degree Connector, Insulated.....	225.60	9.97
	<i>For Work In Restricted Working Space, Add</i>	6.50	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.50	
26 05 33 13-2377	EA 3" Flexible 90 Degree Connector, Insulated.....	277.96	11.71
	<i>For Work In Restricted Working Space, Add</i>	7.31	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.31	
26 05 33 13-2378	EA 3-1/2" Flexible 90 Degree Connector, Insulated.....	754.56	14.31
	<i>For Work In Restricted Working Space, Add</i>	8.13	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.13	
26 05 33 13-2379	EA 4" Flexible 90 Degree Connector, Insulated.....	1,126.86	16.26
	<i>For Work In Restricted Working Space, Add</i>	9.75	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.75	
26 05 33 13-2380	<b>Plain Squeeze Type 45 Degree Connector</b> <small>(26 05 33 13-2321)</small>		

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2381	EA	3/8" Flexible 45 Degree Connector, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.95 1.95 1.95	4.33
26 05 33	13-2382	EA	1/2" Flexible 45 Degree Connector, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.95 2.28 2.28	4.77
26 05 33	13-2383	EA	3/4" Flexible 45 Degree Connector, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.30 2.60 2.60	5.20
<b>26 05 33 13-2384</b>	<b>Insulated Squeeze Type 45 Degree Connector</b> <small>(26 05 33 13-2321)</small>				
26 05 33	13-2385	EA	3/8" Flexible 45 Degree Connector, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.80 1.95 1.95	5.20
26 05 33	13-2386	EA	1/2" Flexible 45 Degree Connector, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.33 2.28 2.28	4.77
26 05 33	13-2387	EA	3/4" Flexible 45 Degree Connector, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.27 2.60 2.60	5.20
<b>26 05 33 13-2388</b>	<b>Plain Screw-In Connector</b> <small>(26 05 33 13-2321)</small>				
26 05 33	13-2389	EA	3/8" Flexible Steel Screw-in Connector, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.61 1.46 1.46	3.47
26 05 33	13-2390	EA	1/2" Flexible Steel Screw-in Connector, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.04 1.63 1.63	3.90
26 05 33	13-2391	EA	3/4" Flexible Steel Screw-in Connector, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.76 1.95 1.95	4.77
26 05 33	13-2392	EA	1" Flexible Steel Screw-in Connector, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.19 2.60 2.60	5.20
26 05 33	13-2393	EA	1-1/4" Flexible Steel Screw-in Connector, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.73 3.25 3.25	6.07
26 05 33	13-2394	EA	1-1/2" Flexible Steel Screw-in Connector, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.39 4.06 4.06	6.51
26 05 33	13-2395	EA	2" Flexible Steel Screw-in Connector, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.49 4.88 4.88	7.37
<b>26 05 33 13-2396</b>	<b>Insulated Screw-In Connector</b> <small>(26 05 33 13-2321)</small>				
26 05 33	13-2397	EA	3/8" Flexible Steel Screw-in Connector, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.98 1.46 1.46	3.47
26 05 33	13-2398	EA	1/2" Flexible Steel Screw-in Connector, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.33 1.63 1.63	3.90
26 05 33	13-2399	EA	3/4" Flexible Steel Screw-in Connector, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.51 1.95 1.95	4.77
26 05 33	13-2400	EA	1" Flexible Steel Screw-in Connector, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.32 2.60 2.60	5.20
26 05 33	13-2401	EA	1-1/4" Flexible Steel Screw-in Connector, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.35 3.25 3.25	6.07
26 05 33	13-2402	EA	1-1/2" Flexible Steel Screw-in Connector, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.34 4.06 4.06	6.51
26 05 33	13-2403	EA	2" Flexible Steel Screw-in Connector, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.20 4.88 4.88	7.37
<b>26 05 33 13-2404</b>	<b>Screw-In Coupling</b> <small>(26 05 33 13-2321)</small>				
26 05 33	13-2405	EA	1/2" Flexible Steel Screw-in Coupling <i>For Work In Restricted Working Space, Add</i>	6.75 1.63	3.90
26 05 33	13-2406	EA	3/4" Flexible Steel Screw-in Coupling <i>For Work In Restricted Working Space, Add</i>	8.94 1.95	4.77
<b>26 05 33 13-2407</b>	<b>Flexible To Electrical Metallic Tubing (EMT) Coupling</b> <small>(26 05 33 13-2321)</small>				
26 05 33	13-2408	EA	3/8" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling <i>For Work In Restricted Working Space, Add</i>	9.40 1.46	3.47
26 05 33	13-2409	EA	1/2" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling <i>For Work In Restricted Working Space, Add</i>	12.96 1.63	3.90
26 05 33	13-2410	EA	3/4" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling <i>For Work In Restricted Working Space, Add</i>	17.24 1.95	4.77
<b>26 05 33 13-2411</b>	<b>Die Cast Squeeze Type Straight Connector</b> <small>(26 05 33 13-2321)</small>				

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2412	EA			3/8" Flexible Straight Connector, Die Cast.....	5.84	3.47
				<i>For Work In Restricted Working Space, Add</i>	1.46	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.46	
26 05 33 13-2413	EA			1/2" Flexible Straight Connector, Die Cast.....	6.63	3.90
				<i>For Work In Restricted Working Space, Add</i>	1.63	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.63	
26 05 33 13-2414	EA			3/4" Flexible Straight Connector, Die Cast.....	8.26	4.77
				<i>For Work In Restricted Working Space, Add</i>	1.95	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.95	
26 05 33 13-2415	EA			1" Flexible Straight Connector, Die Cast.....	12.58	5.20
				<i>For Work In Restricted Working Space, Add</i>	2.60	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.60	
26 05 33 13-2416	EA			1-1/4" Flexible Straight Connector, Die Cast.....	17.07	6.07
				<i>For Work In Restricted Working Space, Add</i>	3.25	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.25	
26 05 33 13-2417	EA			1-1/2" Flexible Straight Connector, Die Cast.....	23.32	6.51
				<i>For Work In Restricted Working Space, Add</i>	4.06	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.06	
26 05 33 13-2418	EA			2" Flexible Straight Connector, Die Cast.....	30.33	7.37
				<i>For Work In Restricted Working Space, Add</i>	4.88	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.88	
<b>26 05 33 13-2419 Die Cast Squeeze Type 90 Degree Connector (26 05 33 13-2321)</b>						
26 05 33 13-2420	EA			3/8" Flexible 90 Degree Connector, Die Cast.....	7.74	4.33
				<i>For Work In Restricted Working Space, Add</i>	1.95	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.95	
26 05 33 13-2421	EA			1/2" Flexible 90 Degree Connector, Die Cast.....	9.66	4.77
				<i>For Work In Restricted Working Space, Add</i>	2.28	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.28	
26 05 33 13-2422	EA			3/4" Flexible 90 Degree Connector, Die Cast.....	11.80	5.20
				<i>For Work In Restricted Working Space, Add</i>	2.60	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.60	
26 05 33 13-2423	EA			1" Flexible 90 Degree Connector, Die Cast.....	19.10	6.07
				<i>For Work In Restricted Working Space, Add</i>	3.25	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.25	
26 05 33 13-2424	EA			1-1/4" Flexible 90 Degree Connector, Die Cast.....	27.42	6.51
				<i>For Work In Restricted Working Space, Add</i>	3.90	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.90	
26 05 33 13-2425	EA			1-1/2" Flexible 90 Degree Connector, Die Cast.....	43.17	7.59
				<i>For Work In Restricted Working Space, Add</i>	4.88	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.88	
26 05 33 13-2426	EA			2" Flexible 90 Degree Connector, Die Cast.....	51.76	9.32
				<i>For Work In Restricted Working Space, Add</i>	5.53	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.53	
<b>26 05 33 13-2427 Flexible Liquid Tight Non-Metallic Conduit And Connectors (26 05 33 13-2279)</b>						
<b>26 05 33 13-2428 Flexible Liquid Tight Non-Metallic Conduit (26 05 33 13-2427)</b>						
26 05 33 13-2429	LF			3/8" Flexible Liquid Tight Non-Metallic Conduit.....	3.96	1.18
				<i>For Work In Restricted Working Space, Add</i>	0.89	
26 05 33 13-2430	LF			1/2" Flexible Liquid Tight Non-Metallic Conduit.....	4.05	1.18
				<i>For Work In Restricted Working Space, Add</i>	0.89	
26 05 33 13-2431	LF			3/4" Flexible Liquid Tight Non-Metallic Conduit.....	5.45	1.58
				<i>For Work In Restricted Working Space, Add</i>	1.19	
26 05 33 13-2432	LF			1" Flexible Liquid Tight Non-Metallic Conduit.....	6.97	1.58
				<i>For Work In Restricted Working Space, Add</i>	1.19	
26 05 33 13-2433	LF			1-1/4" Flexible Liquid Tight Non-Metallic Conduit.....	8.86	1.98
				<i>For Work In Restricted Working Space, Add</i>	1.49	
26 05 33 13-2434	LF			1-1/2" Flexible Liquid Tight Non-Metallic Conduit.....	11.39	2.38
				<i>For Work In Restricted Working Space, Add</i>	1.78	
26 05 33 13-2435	LF			2" Flexible Liquid Tight Non-Metallic Conduit.....	14.56	3.17
				<i>For Work In Restricted Working Space, Add</i>	2.38	
<b>26 05 33 13-2436 Liquid Tight Non-Metallic Straight Connector (26 05 33 13-2427)</b>						
26 05 33 13-2437	EA			3/8" Liquid Tight Non-Metallic Straight Connector.....	11.58	3.17
				<i>For Work In Restricted Working Space, Add</i>	2.38	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.38	
26 05 33 13-2438	EA			1/2" Liquid Tight Non-Metallic Straight Connector.....	11.58	3.17
				<i>For Work In Restricted Working Space, Add</i>	2.38	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.38	
26 05 33 13-2439	EA			3/4" Liquid Tight Non-Metallic Straight Connector.....	14.34	3.56
				<i>For Work In Restricted Working Space, Add</i>	2.68	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.68	
26 05 33 13-2440	EA			1" Liquid Tight Non-Metallic Straight Connector.....	18.04	3.96
				<i>For Work In Restricted Working Space, Add</i>	2.97	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.97	
26 05 33 13-2441	EA			1-1/4" Liquid Tight Non-Metallic Straight Connector.....	25.50	4.35
				<i>For Work In Restricted Working Space, Add</i>	3.27	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.27	
26 05 33 13-2442	EA			1-1/2" Liquid Tight Non-Metallic Straight Connector.....	32.22	4.75
				<i>For Work In Restricted Working Space, Add</i>	3.56	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.56	
26 05 33 13-2443	EA			2" Liquid Tight Non-Metallic Straight Connector.....	51.16	5.55
				<i>For Work In Restricted Working Space, Add</i>	4.16	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.16	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-2444	<b>Liquid Tight Non-Metallic 90 Degree Angle Connector</b> <small>(26 05 33 13-2427)</small>		
26 05 33 13-2445	EA 3/8" Liquid Tight Non-Metallic 90 Degree Angle Connector.....	16.85	4.35
	<i>For Work In Restricted Working Space, Add</i>	3.27	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.27	
26 05 33 13-2446	EA 1/2" Liquid Tight Non-Metallic 90 Degree Angle Connector.....	16.85	4.35
	<i>For Work In Restricted Working Space, Add</i>	3.27	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.27	
26 05 33 13-2447	EA 3/4" Liquid Tight Non-Metallic 90 Degree Angle Connector.....	21.04	4.75
	<i>For Work In Restricted Working Space, Add</i>	3.56	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.56	
26 05 33 13-2448	EA 1" Liquid Tight Non-Metallic 90 Degree Angle Connector.....	30.40	5.55
	<i>For Work In Restricted Working Space, Add</i>	4.16	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.16	
26 05 33 13-2449	EA 1-1/4" Liquid Tight Non-Metallic 90 Degree Angle Connector.....	31.30	5.94
	<i>For Work In Restricted Working Space, Add</i>	4.46	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.46	
26 05 33 13-2450	EA 1-1/2" Liquid Tight Non-Metallic 90 Degree Angle Connector.....	51.13	6.34
	<i>For Work In Restricted Working Space, Add</i>	4.75	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.75	
26 05 33 13-2451	EA 2" Liquid Tight Non-Metallic 90 Degree Angle Connector.....	69.45	7.13
	<i>For Work In Restricted Working Space, Add</i>	5.35	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.35	
26 05 33 13-2452	<b>Liquid Tight Non-Metallic 45 Degree Angle Connector</b> <small>(26 05 33 13-2427)</small>		
26 05 33 13-2453	EA 3/8" Liquid Tight Non-Metallic 45 Degree Angle Connector.....	16.85	4.35
	<i>For Work In Restricted Working Space, Add</i>	3.27	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.27	
26 05 33 13-2454	EA 1/2" Liquid Tight Non-Metallic 45 Degree Angle Connector.....	16.85	4.35
	<i>For Work In Restricted Working Space, Add</i>	3.27	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.27	
26 05 33 13-2455	EA 3/4" Liquid Tight Non-Metallic 45 Degree Angle Connector.....	21.04	4.75
	<i>For Work In Restricted Working Space, Add</i>	3.56	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.56	
26 05 33 13-2456	EA 1" Liquid Tight Non-Metallic 45 Degree Angle Connector.....	30.40	5.55
	<i>For Work In Restricted Working Space, Add</i>	4.16	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.16	
26 05 33 13-2457	EA 1-1/4" Liquid Tight Non-Metallic 45 Degree Angle Connector.....	31.30	5.94
	<i>For Work In Restricted Working Space, Add</i>	4.46	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.46	
26 05 33 13-2458	EA 1-1/2" Liquid Tight Non-Metallic 45 Degree Angle Connector.....	51.13	6.34
	<i>For Work In Restricted Working Space, Add</i>	4.75	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.75	
26 05 33 13-2459	EA 2" Liquid Tight Non-Metallic 45 Degree Angle Connector.....	69.45	7.13
	<i>For Work In Restricted Working Space, Add</i>	5.35	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.35	
26 05 33 13-2460	<b>Blue ENT Electrical Non-Metallic Tubing</b> <small>(26 05 33 13-2279)</small>		
	Note: Carlton - FLEX-PLUS.		
26 05 33 13-2461	<b>Blue ENT Electrical Non-Metallic Tubing</b> <small>(26 05 33 13-2460)</small>		
26 05 33 13-2462	LF 1/2" Blue ENT Electrical Non-Metallic Tubing.....	4.34	1.30
	<i>For Work In Restricted Working Space, Add</i>	0.98	
26 05 33 13-2463	LF 3/4" Blue ENT Electrical Non-Metallic Tubing.....	5.85	1.73
	<i>For Work In Restricted Working Space, Add</i>	1.30	
26 05 33 13-2464	LF 1" Blue ENT Electrical Non-Metallic Tubing.....	6.78	1.73
	<i>For Work In Restricted Working Space, Add</i>	1.30	
26 05 33 13-2465	<b>Terminal Adapter</b> <small>(26 05 33 13-2460)</small>		
26 05 33 13-2466	EA 1/2" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing.....	10.46	3.47
	<i>For Work In Restricted Working Space, Add</i>	2.60	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.60	
26 05 33 13-2467	EA 3/4" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing.....	13.02	3.90
	<i>For Work In Restricted Working Space, Add</i>	2.93	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.93	
26 05 33 13-2468	EA 1" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing.....	15.04	4.33
	<i>For Work In Restricted Working Space, Add</i>	3.25	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.25	
26 05 33 13-2469	<b>Coupling</b> <small>(26 05 33 13-2460)</small>		
26 05 33 13-2470	EA 1/2" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing.....	10.23	3.47
	<i>For Work In Restricted Working Space, Add</i>	2.60	
26 05 33 13-2471	EA 3/4" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing.....	11.77	3.90
	<i>For Work In Restricted Working Space, Add</i>	2.93	
26 05 33 13-2472	EA 1" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing.....	13.87	4.33
	<i>For Work In Restricted Working Space, Add</i>	3.25	
26 05 33 13-2473	<b>Conduit Bodies</b> <small>(26 05 33 13-0057)</small>		
26 05 33 13-2474	<b>Threaded, Cast Aluminum Conduit Body</b> <small>(26 05 33 13-2473)</small>		
26 05 33 13-2475	<b>Type LB, Threaded, Two Hub Cast Aluminum Conduit Body</b> <small>(26 05 33 13-2474)</small>		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-2476 EA 1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Mogul LB, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.43 14.26 4.75 9.51 11.88 16.64 19.01 23.77 26.14 5.05 14.26	19.01
26 05 33 13-2477 EA 3/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Mogul LB, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.89 16.34 5.45 10.89 13.61 19.06 21.78 27.23 29.95 7.36 16.34	21.78
26 05 33 13-2478 EA 1" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Mogul LB, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	82.50 19.01 6.34 12.67 15.84 22.18 25.34 31.68 34.85 11.19 19.01 16.34	25.34
26 05 33 13-2479 EA 1-1/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Mogul LB, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	100.86 21.68 7.23 14.46 18.07 25.30 28.91 36.14 39.75 17.82 21.68	28.91
26 05 33 13-2480 EA 1-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Mogul LB, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	116.07 23.76 7.92 15.84 19.80 27.72 31.68 39.60 43.56 23.69 23.76	31.68
26 05 33 13-2481 EA 2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Mogul LB, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	154.60 28.51 9.50 19.01 23.76 33.26 38.02 47.52 52.27 39.92 28.51	38.02
26 05 33 13-2482 EA 2-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Mogul LB, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	265.48 40.10 13.37 26.73 33.42 46.78 53.46 66.83 73.51 92.18 40.10	53.46
26 05 33 13-2483 EA 3" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Mogul LB, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	348.41 53.46 17.82 35.64 44.55 62.37 71.28 89.11 98.02 118.74 53.46	71.28

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-2484	EA 3-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	466.17	89.10
	For Work In Restricted Working Space, Add	66.83	
	For Elevated Installation >10' To 15', Add	22.28	
	For Elevated Installation >15' To 20', Add	44.55	
	For Elevated Installation >20' To 25', Add	55.69	
	For Elevated Installation >25' To 30', Add	77.97	
	For Elevated Installation >30' To 35', Add	89.10	
	For Elevated Installation >35' To 40', Add	111.38	
	For Elevated Installation >40', Add	122.52	
	For Mogul LB, Add	171.42	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	66.83	
26 05 33 13-2485	EA 4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	609.51	108.51
	For Work In Restricted Working Space, Add	81.38	
	For Elevated Installation >10' To 15', Add	27.13	
	For Elevated Installation >15' To 20', Add	54.25	
	For Elevated Installation >20' To 25', Add	67.82	
	For Elevated Installation >25' To 30', Add	94.94	
	For Elevated Installation >30' To 35', Add	108.51	
	For Elevated Installation >35' To 40', Add	135.64	
	For Elevated Installation >40', Add	149.20	
	For Mogul LB, Add	240.12	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	81.38	
<b>26 05 33 13-2486 Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover</b>			
<small>(26 05 33 13-2474)</small>			
26 05 33 13-2487	EA 1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	58.64	19.01
	For Work In Restricted Working Space, Add	14.26	
	For Elevated Installation >10' To 15', Add	4.75	
	For Elevated Installation >15' To 20', Add	9.51	
	For Elevated Installation >20' To 25', Add	11.88	
	For Elevated Installation >25' To 30', Add	16.64	
	For Elevated Installation >30' To 35', Add	19.01	
	For Elevated Installation >35' To 40', Add	23.77	
	For Elevated Installation >40', Add	26.14	
	For Mogul LB, Add	5.96	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.26	
26 05 33 13-2488	EA 3/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	69.07	21.78
	For Work In Restricted Working Space, Add	16.34	
	For Elevated Installation >10' To 15', Add	5.45	
	For Elevated Installation >15' To 20', Add	10.89	
	For Elevated Installation >20' To 25', Add	13.61	
	For Elevated Installation >25' To 30', Add	19.06	
	For Elevated Installation >30' To 35', Add	21.78	
	For Elevated Installation >35' To 40', Add	27.23	
	For Elevated Installation >40', Add	29.95	
	For Mogul LB, Add	8.24	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.34	
26 05 33 13-2489	EA 1" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	84.87	25.34
	For Work In Restricted Working Space, Add	19.01	
	For Elevated Installation >10' To 15', Add	6.34	
	For Elevated Installation >15' To 20', Add	12.67	
	For Elevated Installation >20' To 25', Add	15.84	
	For Elevated Installation >25' To 30', Add	22.18	
	For Elevated Installation >30' To 35', Add	25.34	
	For Elevated Installation >35' To 40', Add	31.68	
	For Elevated Installation >40', Add	34.85	
	For Mogul LB, Add	12.96	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.01	
26 05 33 13-2490	EA 1-1/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	103.75	28.91
	For Work In Restricted Working Space, Add	21.68	
	For Elevated Installation >10' To 15', Add	7.23	
	For Elevated Installation >15' To 20', Add	14.46	
	For Elevated Installation >20' To 25', Add	18.07	
	For Elevated Installation >25' To 30', Add	25.30	
	For Elevated Installation >30' To 35', Add	28.91	
	For Elevated Installation >35' To 40', Add	36.14	
	For Elevated Installation >40', Add	39.75	
	For Mogul LB, Add	19.99	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.68	
26 05 33 13-2491	EA 1-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	120.98	31.68
	For Work In Restricted Working Space, Add	23.76	
	For Elevated Installation >10' To 15', Add	7.92	
	For Elevated Installation >15' To 20', Add	15.84	
	For Elevated Installation >20' To 25', Add	19.80	
	For Elevated Installation >25' To 30', Add	27.72	
	For Elevated Installation >30' To 35', Add	31.68	
	For Elevated Installation >35' To 40', Add	39.60	
	For Elevated Installation >40', Add	43.56	
	For Mogul LB, Add	27.38	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.76	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2492	EA		2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	165.13	38.02
			For Work In Restricted Working Space, Add	28.51	
			For Elevated Installation >10' To 15', Add	9.50	
			For Elevated Installation >15' To 20', Add	19.01	
			For Elevated Installation >20' To 25', Add	23.76	
			For Elevated Installation >25' To 30', Add	33.26	
			For Elevated Installation >30' To 35', Add	38.02	
			For Elevated Installation >35' To 40', Add	47.52	
			For Elevated Installation >40', Add	52.27	
			For Mogul LB, Add	47.82	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.51	
26 05 33 13-2493	EA		2-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	260.17	53.46
			For Work In Restricted Working Space, Add	40.10	
			For Elevated Installation >10' To 15', Add	13.37	
			For Elevated Installation >15' To 20', Add	26.73	
			For Elevated Installation >20' To 25', Add	33.42	
			For Elevated Installation >25' To 30', Add	46.78	
			For Elevated Installation >30' To 35', Add	53.46	
			For Elevated Installation >35' To 40', Add	66.83	
			For Elevated Installation >40', Add	73.51	
			For Mogul LB, Add	88.20	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.10	
26 05 33 13-2494	EA		3" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	330.54	71.28
			For Work In Restricted Working Space, Add	53.46	
			For Elevated Installation >10' To 15', Add	17.82	
			For Elevated Installation >15' To 20', Add	35.64	
			For Elevated Installation >20' To 25', Add	44.55	
			For Elevated Installation >25' To 30', Add	62.37	
			For Elevated Installation >30' To 35', Add	71.28	
			For Elevated Installation >35' To 40', Add	89.11	
			For Elevated Installation >40', Add	98.02	
			For Mogul LB, Add	105.34	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	53.46	
26 05 33 13-2495	EA		3-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	481.40	89.10
			For Work In Restricted Working Space, Add	66.83	
			For Elevated Installation >10' To 15', Add	22.28	
			For Elevated Installation >15' To 20', Add	44.55	
			For Elevated Installation >20' To 25', Add	55.69	
			For Elevated Installation >25' To 30', Add	77.97	
			For Elevated Installation >30' To 35', Add	89.10	
			For Elevated Installation >35' To 40', Add	111.38	
			For Elevated Installation >40', Add	122.52	
			For Mogul LB, Add	182.84	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	66.83	
26 05 33 13-2496	EA		4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	640.63	108.51
			For Work In Restricted Working Space, Add	81.38	
			For Elevated Installation >10' To 15', Add	27.13	
			For Elevated Installation >15' To 20', Add	54.25	
			For Elevated Installation >20' To 25', Add	67.82	
			For Elevated Installation >25' To 30', Add	94.94	
			For Elevated Installation >30' To 35', Add	108.51	
			For Elevated Installation >35' To 40', Add	135.64	
			For Elevated Installation >40', Add	149.20	
			For Mogul LB, Add	263.46	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	81.38	
26 05 33 13-2497			<b>Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover (26 05 33 13-2474)</b> .....		
26 05 33 13-2498	EA		1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover .....	67.58	21.78
			For Work In Restricted Working Space, Add	16.34	
			For Elevated Installation >10' To 15', Add	5.45	
			For Elevated Installation >15' To 20', Add	10.89	
			For Elevated Installation >20' To 25', Add	13.61	
			For Elevated Installation >25' To 30', Add	19.06	
			For Elevated Installation >30' To 35', Add	21.78	
			For Elevated Installation >35' To 40', Add	27.23	
			For Elevated Installation >40', Add	29.95	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.34	
26 05 33 13-2499	EA		3/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover .....	80.26	25.34
			For Work In Restricted Working Space, Add	19.01	
			For Elevated Installation >10' To 15', Add	6.34	
			For Elevated Installation >15' To 20', Add	12.67	
			For Elevated Installation >20' To 25', Add	15.84	
			For Elevated Installation >25' To 30', Add	22.18	
			For Elevated Installation >30' To 35', Add	25.34	
			For Elevated Installation >35' To 40', Add	31.68	
			For Elevated Installation >40', Add	34.85	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.01	
26 05 33 13-2500	EA		1" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover .....	93.23	27.72
			For Work In Restricted Working Space, Add	20.79	
			For Elevated Installation >10' To 15', Add	6.93	
			For Elevated Installation >15' To 20', Add	13.86	
			For Elevated Installation >20' To 25', Add	17.33	
			For Elevated Installation >25' To 30', Add	24.26	
			For Elevated Installation >30' To 35', Add	27.72	
			For Elevated Installation >35' To 40', Add	34.66	
			For Elevated Installation >40', Add	38.12	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.79	

## 26 Electrical

## 26 05 Common Work Results for Electrical

## 26 05 33 Raceway and Boxes for Electrical Systems



MINOR	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-2501	EA	1-1/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover.....	115.46	31.68
		For Work In Restricted Working Space, Add	23.76	
		For Elevated Installation >10' To 15', Add	7.92	
		For Elevated Installation >15' To 20', Add	15.84	
		For Elevated Installation >20' To 25', Add	19.80	
		For Elevated Installation >25' To 30', Add	27.72	
		For Elevated Installation >30' To 35', Add	31.68	
		For Elevated Installation >35' To 40', Add	39.60	
		For Elevated Installation >40', Add	43.56	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.76	
26 05 33 13-2502	EA	1-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover.....	134.25	34.85
		For Work In Restricted Working Space, Add	26.14	
		For Elevated Installation >10' To 15', Add	8.71	
		For Elevated Installation >15' To 20', Add	17.43	
		For Elevated Installation >20' To 25', Add	21.78	
		For Elevated Installation >25' To 30', Add	30.50	
		For Elevated Installation >30' To 35', Add	34.85	
		For Elevated Installation >35' To 40', Add	43.57	
		For Elevated Installation >40', Add	47.92	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.14	
26 05 33 13-2503	EA	2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover.....	182.57	40.79
		For Work In Restricted Working Space, Add	30.59	
		For Elevated Installation >10' To 15', Add	10.20	
		For Elevated Installation >15' To 20', Add	20.40	
		For Elevated Installation >20' To 25', Add	25.50	
		For Elevated Installation >25' To 30', Add	35.69	
		For Elevated Installation >30' To 35', Add	40.79	
		For Elevated Installation >35' To 40', Add	50.99	
		For Elevated Installation >40', Add	56.09	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.59	
26 05 33 13-2504	EA	2-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover.....	290.91	59.40
		For Work In Restricted Working Space, Add	44.55	
		For Elevated Installation >10' To 15', Add	14.85	
		For Elevated Installation >15' To 20', Add	29.70	
		For Elevated Installation >20' To 25', Add	37.13	
		For Elevated Installation >25' To 30', Add	51.98	
		For Elevated Installation >30' To 35', Add	59.40	
		For Elevated Installation >35' To 40', Add	74.26	
		For Elevated Installation >40', Add	81.68	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.55	
26 05 33 13-2505	EA	3" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover.....	375.61	77.22
		For Work In Restricted Working Space, Add	57.92	
		For Elevated Installation >10' To 15', Add	19.31	
		For Elevated Installation >15' To 20', Add	38.61	
		For Elevated Installation >20' To 25', Add	48.27	
		For Elevated Installation >25' To 30', Add	67.57	
		For Elevated Installation >30' To 35', Add	77.22	
		For Elevated Installation >35' To 40', Add	96.53	
		For Elevated Installation >40', Add	106.18	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.92	
26 05 33 13-2506	EA	3-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover.....	616.76	95.04
		For Work In Restricted Working Space, Add	71.28	
		For Elevated Installation >10' To 15', Add	23.76	
		For Elevated Installation >15' To 20', Add	47.52	
		For Elevated Installation >20' To 25', Add	59.40	
		For Elevated Installation >25' To 30', Add	83.16	
		For Elevated Installation >30' To 35', Add	95.04	
		For Elevated Installation >35' To 40', Add	118.81	
		For Elevated Installation >40', Add	130.69	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	71.28	
26 05 33 13-2507	EA	4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover.....	703.58	114.45
		For Work In Restricted Working Space, Add	85.84	
		For Elevated Installation >10' To 15', Add	28.61	
		For Elevated Installation >15' To 20', Add	57.22	
		For Elevated Installation >20' To 25', Add	71.53	
		For Elevated Installation >25' To 30', Add	100.14	
		For Elevated Installation >30' To 35', Add	114.45	
		For Elevated Installation >35' To 40', Add	143.06	
		For Elevated Installation >40', Add	157.37	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	85.84	

26 05 33 13-2508 Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover (26 05 33 13-2474)

26 05 33 13-2509	EA	1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	58.88	19.01
		For Work In Restricted Working Space, Add	14.26	
		For Elevated Installation >10' To 15', Add	4.75	
		For Elevated Installation >15' To 20', Add	9.51	
		For Elevated Installation >20' To 25', Add	11.88	
		For Elevated Installation >25' To 30', Add	16.64	
		For Elevated Installation >30' To 35', Add	19.01	
		For Elevated Installation >35' To 40', Add	23.77	
		For Elevated Installation >40', Add	26.14	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.26	

		MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2510	EA	3/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.24 16.34 5.45 10.89 13.61 19.06 21.78 27.23 29.95 16.34	21.78
26 05 33 13-2511	EA	1" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	82.93 18.71 6.24 12.48 15.60 21.83 24.95 31.19 34.31 18.71	24.95
26 05 33 13-2512	EA	1-1/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	102.60 21.68 7.23 14.46 18.07 25.30 28.91 36.14 39.75 21.68	28.91
26 05 33 13-2513	EA	1-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	115.27 23.76 7.92 15.84 19.80 27.72 31.68 39.60 43.56 23.76	31.68
26 05 33 13-2514	EA	2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	154.68 28.51 9.50 19.01 23.76 33.26 38.02 47.52 52.27 28.51	38.02
26 05 33 13-2515	EA	2-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	255.69 40.10 13.37 26.73 33.42 46.78 53.46 66.83 73.51 40.10	53.46
26 05 33 13-2516	EA	3" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	327.69 53.46 17.82 35.64 44.55 62.37 71.28 89.11 98.02 53.46	71.28
26 05 33 13-2517	EA	3-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	472.24 66.83 22.28 44.55 55.69 77.97 89.10 111.38 122.52 66.83	89.10
26 05 33 13-2518	EA	4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	612.37 81.38 27.13 54.25 67.82 94.94 108.51 135.64 149.20 81.38	108.51

**26 Electrical**  
**26 05 Common Work Results for Electrical**  
**26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

26 05 33 13-2519	Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover (26 05 33)		
26 05 33 13-2520	EA 1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	78.49 18.71 6.24 12.48 15.60 21.83 24.95 31.19 34.31 18.71	24.95
26 05 33 13-2521	EA 3/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	91.10 20.79 6.93 13.86 17.33 24.26 27.72 34.66 38.12 20.79	27.72
26 05 33 13-2522	EA 1" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	113.11 22.87 7.62 15.25 19.06 26.68 30.50 38.12 41.93 22.87	30.50
26 05 33 13-2523	EA 1-1/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	130.55 26.14 8.71 17.43 21.78 30.50 34.85 43.57 47.92 26.14	34.85
26 05 33 13-2524	EA 1-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	171.08 28.51 9.50 19.01 23.76 33.26 38.02 47.52 52.27 28.51	38.02
26 05 33 13-2525	EA 2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	206.50 35.05 11.68 23.36 29.21 40.89 46.73 58.41 64.25 35.05	46.73
26 05 33 13-2526	EA 2-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	393.77 51.38 17.13 34.26 42.82 59.95 68.51 85.64 94.20 51.38	68.51
26 05 33 13-2527	EA 3" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	483.41 66.83 22.28 44.55 55.69 77.97 89.10 111.38 122.52 66.83	89.10
26 05 33 13-2528	EA 3-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	697.59 83.17 27.72 55.44 69.31 97.03 110.89 138.61 152.47 83.17	110.09

	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2529	EA 4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	843.51 99.20 33.07 66.14 82.67 115.74 132.27 165.34 181.87 99.20	132.27
26 05 33 13-2530	Threaded, Malleable Iron Conduit Body <small>(26 05 33 13-2473)</small>		
26 05 33 13-2531	Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover <small>(26 05 33 13-2530)</small>		
26 05 33 13-2532	EA 1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.80 4.75 9.51 11.88 16.64 19.01 23.77 26.14 14.26 14.26	19.01
26 05 33 13-2533	EA 3/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.72 5.45 10.89 13.61 19.06 21.78 27.23 29.95 16.34 16.34	21.78
26 05 33 13-2534	EA 1" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	87.61 6.34 12.67 15.84 22.18 25.34 31.68 34.85 19.01 19.01	25.34
26 05 33 13-2535	EA 1-1/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	115.78 7.23 14.46 18.07 25.30 28.91 36.14 39.75 21.68 21.68	28.91
26 05 33 13-2536	EA 1-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	132.56 7.92 15.84 19.80 27.72 31.68 39.60 43.56 23.76 23.76	31.68
26 05 33 13-2537	EA 2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	184.35 9.51 19.01 23.76 33.27 38.02 47.53 52.28 28.52 28.52	38.02
26 05 33 13-2538	EA 2-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	316.45 13.37 26.73 33.42 46.78 53.46 66.83 73.51 40.10 40.10	53.46

**26 Electrical**
**26 05 Common Work Results for Electrical**
**26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2539	EA	3" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	450.90	71.28
		<i>For Elevated Installation &gt;10' To 15', Add</i>	17.82	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	35.64	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	44.56	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	62.38	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	71.29	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	89.11	
		<i>For Elevated Installation &gt;40', Add</i>	98.02	
		<i>For Work In Restricted Working Space, Add</i>	53.47	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53.47	
26 05 33 13-2540	EA	3-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	626.46	89.10
		<i>For Elevated Installation &gt;10' To 15', Add</i>	22.28	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	44.55	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	55.69	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	77.97	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	89.10	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	111.38	
		<i>For Elevated Installation &gt;40', Add</i>	122.52	
		<i>For Work In Restricted Working Space, Add</i>	66.83	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66.83	
26 05 33 13-2541	EA	4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	748.65	108.51
		<i>For Elevated Installation &gt;10' To 15', Add</i>	27.13	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	54.26	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	67.82	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	94.95	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	108.51	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	135.64	
		<i>For Elevated Installation &gt;40', Add</i>	149.20	
		<i>For Work In Restricted Working Space, Add</i>	81.38	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.38	
<b>26 05 33 13-2542</b>		<b>Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover</b> <small>(26 05 33 13-2530)</small>		
26 05 33 13-2543	EA	1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	63.87	19.01
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.26	
26 05 33 13-2544	EA	3/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	71.62	21.78
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.34	
26 05 33 13-2545	EA	1" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	92.30	25.34
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.01	
26 05 33 13-2546	EA	1-1/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	118.93	28.91
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.68	
26 05 33 13-2547	EA	1-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	136.41	31.68
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.76	
26 05 33 13-2548	EA	2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	176.46	38.02
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.52	
26 05 33 13-2549	EA	2-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	272.62	53.46
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.10	
26 05 33 13-2550	EA	3" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	372.09	71.28
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53.47	
26 05 33 13-2551	EA	3-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	672.87	89.10
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66.83	
26 05 33 13-2552	EA	4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	782.89	108.51
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.38	
<b>26 05 33 13-2553</b>		<b>Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover</b> <small>(26 05 33 13-2530)</small>		
26 05 33 13-2554	EA	1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover .....	76.36	21.78
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.45	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	10.89	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	13.61	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	19.06	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	21.78	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	27.23	
		<i>For Elevated Installation &gt;40', Add</i>	29.95	
		<i>For Work In Restricted Working Space, Add</i>	16.34	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.34	
26 05 33 13-2555	EA	3/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover .....	89.98	25.34
		<i>For Elevated Installation &gt;10' To 15', Add</i>	6.44	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	12.87	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	16.09	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	22.52	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	25.74	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	32.18	
		<i>For Elevated Installation &gt;40', Add</i>	35.39	
		<i>For Work In Restricted Working Space, Add</i>	19.31	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.31	
26 05 33 13-2556	EA	1" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover .....	108.06	27.72
		<i>For Elevated Installation &gt;10' To 15', Add</i>	6.93	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	13.86	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	17.33	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	24.26	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	27.72	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	34.66	
		<i>For Elevated Installation &gt;40', Add</i>	38.12	
		<i>For Work In Restricted Working Space, Add</i>	20.79	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79	



**26 Electrical**  
**26 05 Common Work Results for Electrical**  
**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-2566	EA 3/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	74.69	21.78
	For Elevated Installation >10' To 15', Add	5.45	
	For Elevated Installation >15' To 20', Add	10.89	
	For Elevated Installation >20' To 25', Add	13.61	
	For Elevated Installation >25' To 30', Add	19.06	
	For Elevated Installation >30' To 35', Add	21.78	
	For Elevated Installation >35' To 40', Add	27.23	
	For Elevated Installation >40', Add	29.95	
	For Work In Restricted Working Space, Add	16.34	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.34	
26 05 33 13-2567	EA 1" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	87.73	24.95
	For Elevated Installation >10' To 15', Add	6.24	
	For Elevated Installation >15' To 20', Add	12.48	
	For Elevated Installation >20' To 25', Add	15.60	
	For Elevated Installation >25' To 30', Add	21.83	
	For Elevated Installation >30' To 35', Add	24.95	
	For Elevated Installation >35' To 40', Add	31.19	
	For Elevated Installation >40', Add	34.31	
	For Work In Restricted Working Space, Add	18.71	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.71	
26 05 33 13-2568	EA 1-1/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	121.57	28.91
	For Elevated Installation >10' To 15', Add	7.23	
	For Elevated Installation >15' To 20', Add	14.46	
	For Elevated Installation >20' To 25', Add	18.07	
	For Elevated Installation >25' To 30', Add	25.30	
	For Elevated Installation >30' To 35', Add	28.91	
	For Elevated Installation >35' To 40', Add	36.14	
	For Elevated Installation >40', Add	39.75	
	For Work In Restricted Working Space, Add	21.68	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.68	
26 05 33 13-2569	EA 1-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	143.41	31.68
	For Elevated Installation >10' To 15', Add	7.92	
	For Elevated Installation >15' To 20', Add	15.84	
	For Elevated Installation >20' To 25', Add	19.80	
	For Elevated Installation >25' To 30', Add	27.72	
	For Elevated Installation >30' To 35', Add	31.68	
	For Elevated Installation >35' To 40', Add	39.60	
	For Elevated Installation >40', Add	43.56	
	For Work In Restricted Working Space, Add	23.76	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.76	
26 05 33 13-2570	EA 2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	187.45	38.02
	For Elevated Installation >10' To 15', Add	9.51	
	For Elevated Installation >15' To 20', Add	19.01	
	For Elevated Installation >20' To 25', Add	23.76	
	For Elevated Installation >25' To 30', Add	33.27	
	For Elevated Installation >30' To 35', Add	38.02	
	For Elevated Installation >35' To 40', Add	47.53	
	For Elevated Installation >40', Add	52.28	
	For Work In Restricted Working Space, Add	28.52	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.52	
26 05 33 13-2571	EA 2-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	409.44	100.29
	For Elevated Installation >10' To 15', Add	25.06	
	For Elevated Installation >15' To 20', Add	50.12	
	For Elevated Installation >20' To 25', Add	62.66	
	For Elevated Installation >25' To 30', Add	87.72	
	For Elevated Installation >30' To 35', Add	100.25	
	For Elevated Installation >35' To 40', Add	125.31	
	For Elevated Installation >40', Add	137.84	
	For Work In Restricted Working Space, Add	75.19	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	75.19	
26 05 33 13-2572	EA 3" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	405.19	71.28
	For Elevated Installation >10' To 15', Add	17.82	
	For Elevated Installation >15' To 20', Add	35.64	
	For Elevated Installation >20' To 25', Add	44.56	
	For Elevated Installation >25' To 30', Add	62.38	
	For Elevated Installation >30' To 35', Add	71.29	
	For Elevated Installation >35' To 40', Add	89.11	
	For Elevated Installation >40', Add	98.02	
	For Work In Restricted Working Space, Add	53.47	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	53.47	
26 05 33 13-2573	EA 3-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	672.87	89.10
	For Elevated Installation >10' To 15', Add	22.28	
	For Elevated Installation >15' To 20', Add	44.55	
	For Elevated Installation >20' To 25', Add	55.69	
	For Elevated Installation >25' To 30', Add	77.97	
	For Elevated Installation >30' To 35', Add	89.10	
	For Elevated Installation >35' To 40', Add	111.38	
	For Elevated Installation >40', Add	122.52	
	For Work In Restricted Working Space, Add	66.83	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	66.83	
26 05 33 13-2574	EA 4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	782.87	108.51
	For Elevated Installation >10' To 15', Add	27.13	
	For Elevated Installation >15' To 20', Add	54.25	
	For Elevated Installation >20' To 25', Add	67.82	
	For Elevated Installation >25' To 30', Add	94.94	
	For Elevated Installation >30' To 35', Add	108.50	
	For Elevated Installation >35' To 40', Add	135.63	
	For Elevated Installation >40', Add	149.19	
	For Work In Restricted Working Space, Add	81.38	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	81.38	



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 33 13-2575	Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover <sup>(26 05 33)</sup>			
26 05 33 13-2576	EA 1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover ..... 86.67		24.95	
	For Elevated Installation >10' To 15', Add	6.24		
	For Elevated Installation >15' To 20', Add	12.48		
	For Elevated Installation >20' To 25', Add	15.60		
	For Elevated Installation >25' To 30', Add	21.83		
	For Elevated Installation >30' To 35', Add	24.95		
	For Elevated Installation >35' To 40', Add	31.19		
	For Elevated Installation >40', Add	34.31		
	For Work In Restricted Working Space, Add	18.71		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.71		
26 05 33 13-2577	EA 3/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover ..... 94.51		27.72	
	For Elevated Installation >10' To 15', Add	6.93		
	For Elevated Installation >15' To 20', Add	13.86		
	For Elevated Installation >20' To 25', Add	17.33		
	For Elevated Installation >25' To 30', Add	24.26		
	For Elevated Installation >30' To 35', Add	27.72		
	For Elevated Installation >35' To 40', Add	34.66		
	For Elevated Installation >40', Add	38.12		
	For Work In Restricted Working Space, Add	20.79		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.79		
26 05 33 13-2578	EA 1" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover ..... 110.82		30.50	
	For Elevated Installation >10' To 15', Add	7.62		
	For Elevated Installation >15' To 20', Add	15.25		
	For Elevated Installation >20' To 25', Add	19.06		
	For Elevated Installation >25' To 30', Add	26.68		
	For Elevated Installation >30' To 35', Add	30.50		
	For Elevated Installation >35' To 40', Add	38.12		
	For Elevated Installation >40', Add	41.93		
	For Work In Restricted Working Space, Add	22.87		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.87		
26 05 33 13-2579	EA 1-1/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover ..... 132.79		34.85	
	For Elevated Installation >10' To 15', Add	8.71		
	For Elevated Installation >15' To 20', Add	17.43		
	For Elevated Installation >20' To 25', Add	21.78		
	For Elevated Installation >25' To 30', Add	30.50		
	For Elevated Installation >30' To 35', Add	34.85		
	For Elevated Installation >35' To 40', Add	43.57		
	For Elevated Installation >40', Add	47.92		
	For Work In Restricted Working Space, Add	26.14		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.14		
26 05 33 13-2580	EA 1-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover ..... 154.61		38.02	
	For Elevated Installation >10' To 15', Add	9.50		
	For Elevated Installation >15' To 20', Add	19.01		
	For Elevated Installation >20' To 25', Add	23.76		
	For Elevated Installation >25' To 30', Add	33.26		
	For Elevated Installation >30' To 35', Add	38.02		
	For Elevated Installation >35' To 40', Add	47.52		
	For Elevated Installation >40', Add	52.27		
	For Work In Restricted Working Space, Add	28.51		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.51		
26 05 33 13-2581	EA 2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover ..... 220.53		46.73	
	For Elevated Installation >10' To 15', Add	11.68		
	For Elevated Installation >15' To 20', Add	23.36		
	For Elevated Installation >20' To 25', Add	29.21		
	For Elevated Installation >25' To 30', Add	40.89		
	For Elevated Installation >30' To 35', Add	46.73		
	For Elevated Installation >35' To 40', Add	58.41		
	For Elevated Installation >40', Add	64.25		
	For Work In Restricted Working Space, Add	35.05		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.05		
26 05 33 13-2582	EA 2-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover ..... 356.44		68.51	
	For Elevated Installation >10' To 15', Add	17.13		
	For Elevated Installation >15' To 20', Add	34.26		
	For Elevated Installation >20' To 25', Add	42.82		
	For Elevated Installation >25' To 30', Add	59.95		
	For Elevated Installation >30' To 35', Add	68.51		
	For Elevated Installation >35' To 40', Add	85.64		
	For Elevated Installation >40', Add	94.20		
	For Work In Restricted Working Space, Add	51.38		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.38		
26 05 33 13-2583	EA 3" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover ..... 530.45		89.10	
	For Elevated Installation >10' To 15', Add	22.28		
	For Elevated Installation >15' To 20', Add	44.55		
	For Elevated Installation >20' To 25', Add	55.69		
	For Elevated Installation >25' To 30', Add	77.97		
	For Elevated Installation >30' To 35', Add	89.10		
	For Elevated Installation >35' To 40', Add	111.38		
	For Elevated Installation >40', Add	122.52		
	For Work In Restricted Working Space, Add	66.83		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	66.83		
26 05 33 13-2584	EA 3-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover ..... 807.31		110.09	
	For Elevated Installation >10' To 15', Add	27.52		
	For Elevated Installation >15' To 20', Add	55.05		
	For Elevated Installation >20' To 25', Add	68.81		
	For Elevated Installation >25' To 30', Add	96.33		
	For Elevated Installation >30' To 35', Add	110.09		
	For Elevated Installation >35' To 40', Add	137.62		
	For Elevated Installation >40', Add	151.38		
	For Work In Restricted Working Space, Add	82.57		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	82.57		

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-2585	EA 4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	895.62	132.27
	For Elevated Installation >10' To 15', Add	33.07	
	For Elevated Installation >15' To 20', Add	66.14	
	For Elevated Installation >20' To 25', Add	82.67	
	For Elevated Installation >25' To 30', Add	115.74	
	For Elevated Installation >30' To 35', Add	132.27	
	For Elevated Installation >35' To 40', Add	165.34	
	For Elevated Installation >40', Add	181.87	
	For Work In Restricted Working Space, Add	99.20	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	99.20	
26 05 33 13-2586	Set Screw, Cast Aluminum Conduit Body (26 05 33 13-2473)		
26 05 33 13-2587	Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover (26 05 33 13-2586)		
26 05 33 13-2588	EA 1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	30.33	7.52
	For Work In Restricted Working Space, Add	5.64	
	For Elevated Installation >10' To 15', Add	1.88	
	For Elevated Installation >15' To 20', Add	3.76	
	For Elevated Installation >20' To 25', Add	4.70	
	For Elevated Installation >25' To 30', Add	6.58	
	For Elevated Installation >30' To 35', Add	7.52	
	For Elevated Installation >35' To 40', Add	9.41	
	For Elevated Installation >40', Add	10.35	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.64	
26 05 33 13-2589	EA 3/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	38.60	9.90
	For Work In Restricted Working Space, Add	7.43	
	For Elevated Installation >10' To 15', Add	2.48	
	For Elevated Installation >15' To 20', Add	4.95	
	For Elevated Installation >20' To 25', Add	6.19	
	For Elevated Installation >25' To 30', Add	8.66	
	For Elevated Installation >30' To 35', Add	9.90	
	For Elevated Installation >35' To 40', Add	12.38	
	For Elevated Installation >40', Add	13.61	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.43	
26 05 33 13-2590	EA 1" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	53.04	12.27
	For Work In Restricted Working Space, Add	9.21	
	For Elevated Installation >10' To 15', Add	3.07	
	For Elevated Installation >15' To 20', Add	6.14	
	For Elevated Installation >20' To 25', Add	7.67	
	For Elevated Installation >25' To 30', Add	10.74	
	For Elevated Installation >30' To 35', Add	12.28	
	For Elevated Installation >35' To 40', Add	15.35	
	For Elevated Installation >40', Add	16.88	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.21	
26 05 33 13-2591	EA 1-1/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	69.43	15.05
	For Work In Restricted Working Space, Add	11.29	
	For Elevated Installation >10' To 15', Add	3.76	
	For Elevated Installation >15' To 20', Add	7.53	
	For Elevated Installation >20' To 25', Add	9.41	
	For Elevated Installation >25' To 30', Add	13.17	
	For Elevated Installation >30' To 35', Add	15.05	
	For Elevated Installation >35' To 40', Add	18.82	
	For Elevated Installation >40', Add	20.70	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.29	
26 05 33 13-2592	EA 1-1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	93.02	17.43
	For Work In Restricted Working Space, Add	13.07	
	For Elevated Installation >10' To 15', Add	4.36	
	For Elevated Installation >15' To 20', Add	8.71	
	For Elevated Installation >20' To 25', Add	10.89	
	For Elevated Installation >25' To 30', Add	15.25	
	For Elevated Installation >30' To 35', Add	17.42	
	For Elevated Installation >35' To 40', Add	21.78	
	For Elevated Installation >40', Add	23.96	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.07	
26 05 33 13-2593	EA 2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	125.62	19.80
	For Work In Restricted Working Space, Add	14.85	
	For Elevated Installation >10' To 15', Add	4.95	
	For Elevated Installation >15' To 20', Add	9.90	
	For Elevated Installation >20' To 25', Add	12.38	
	For Elevated Installation >25' To 30', Add	17.33	
	For Elevated Installation >30' To 35', Add	19.80	
	For Elevated Installation >35' To 40', Add	24.75	
	For Elevated Installation >40', Add	27.23	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.85	
26 05 33 13-2594	Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover (26 05 33 13-2586)		
26 05 33 13-2595	EA 1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	30.65	7.52
	For Work In Restricted Working Space, Add	5.64	
	For Elevated Installation >10' To 15', Add	1.88	
	For Elevated Installation >15' To 20', Add	3.76	
	For Elevated Installation >20' To 25', Add	4.70	
	For Elevated Installation >25' To 30', Add	6.58	
	For Elevated Installation >30' To 35', Add	7.52	
	For Elevated Installation >35' To 40', Add	9.41	
	For Elevated Installation >40', Add	10.35	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.64	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2596 EA 3/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	39.82	9.90
For Work In Restricted Working Space, Add	7.43	
For Elevated Installation >10' To 15', Add	2.48	
For Elevated Installation >15' To 20', Add	4.95	
For Elevated Installation >20' To 25', Add	6.19	
For Elevated Installation >25' To 30', Add	8.66	
For Elevated Installation >30' To 35', Add	9.90	
For Elevated Installation >35' To 40', Add	12.38	
For Elevated Installation >40', Add	13.61	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.43	
26 05 33 13-2597 EA 1" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	48.81	12.27
For Work In Restricted Working Space, Add	9.21	
For Elevated Installation >10' To 15', Add	3.07	
For Elevated Installation >15' To 20', Add	6.14	
For Elevated Installation >20' To 25', Add	7.67	
For Elevated Installation >25' To 30', Add	10.74	
For Elevated Installation >30' To 35', Add	12.28	
For Elevated Installation >35' To 40', Add	15.35	
For Elevated Installation >40', Add	16.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.21	
26 05 33 13-2598 EA 1-1/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	69.07	15.05
For Work In Restricted Working Space, Add	11.29	
For Elevated Installation >10' To 15', Add	3.76	
For Elevated Installation >15' To 20', Add	7.53	
For Elevated Installation >20' To 25', Add	9.41	
For Elevated Installation >25' To 30', Add	13.17	
For Elevated Installation >30' To 35', Add	15.05	
For Elevated Installation >35' To 40', Add	18.82	
For Elevated Installation >40', Add	20.70	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.29	
26 05 33 13-2599 EA 1-1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	85.99	17.43
For Work In Restricted Working Space, Add	13.07	
For Elevated Installation >10' To 15', Add	4.36	
For Elevated Installation >15' To 20', Add	8.71	
For Elevated Installation >20' To 25', Add	10.89	
For Elevated Installation >25' To 30', Add	15.25	
For Elevated Installation >30' To 35', Add	17.42	
For Elevated Installation >35' To 40', Add	21.78	
For Elevated Installation >40', Add	23.96	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.07	
26 05 33 13-2600 EA 2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	125.01	19.80
For Work In Restricted Working Space, Add	14.85	
For Elevated Installation >10' To 15', Add	4.95	
For Elevated Installation >15' To 20', Add	9.90	
For Elevated Installation >20' To 25', Add	12.38	
For Elevated Installation >25' To 30', Add	17.33	
For Elevated Installation >30' To 35', Add	19.80	
For Elevated Installation >35' To 40', Add	24.75	
For Elevated Installation >40', Add	27.23	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.85	
<b>26 05 33 13-2601 Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover <sup>(26)</sup></b>		
<small>(05 33 13-2596)</small>		
26 05 33 13-2602 EA 1/2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover .....	39.26	9.90
For Work In Restricted Working Space, Add	7.43	
For Elevated Installation >10' To 15', Add	2.48	
For Elevated Installation >15' To 20', Add	4.95	
For Elevated Installation >20' To 25', Add	6.19	
For Elevated Installation >25' To 30', Add	8.66	
For Elevated Installation >30' To 35', Add	9.90	
For Elevated Installation >35' To 40', Add	12.38	
For Elevated Installation >40', Add	13.61	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.43	
26 05 33 13-2603 EA 3/4" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover .....	51.59	12.27
For Work In Restricted Working Space, Add	9.21	
For Elevated Installation >10' To 15', Add	3.07	
For Elevated Installation >15' To 20', Add	6.14	
For Elevated Installation >20' To 25', Add	7.67	
For Elevated Installation >25' To 30', Add	10.74	
For Elevated Installation >30' To 35', Add	12.28	
For Elevated Installation >35' To 40', Add	15.35	
For Elevated Installation >40', Add	16.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.21	
26 05 33 13-2604 EA 1" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover .....	62.06	15.05
For Work In Restricted Working Space, Add	11.29	
For Elevated Installation >10' To 15', Add	3.76	
For Elevated Installation >15' To 20', Add	7.53	
For Elevated Installation >20' To 25', Add	9.41	
For Elevated Installation >25' To 30', Add	13.17	
For Elevated Installation >30' To 35', Add	15.05	
For Elevated Installation >35' To 40', Add	18.82	
For Elevated Installation >40', Add	20.70	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.29	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-2605	EA 1-1/4" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover.....	87.72	17.43
	<i>For Work In Restricted Working Space, Add</i>	13.66	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	4.55	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	9.11	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	11.39	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	15.94	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	18.22	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	22.77	
	<i>For Elevated Installation &gt;40', Add</i>	25.05	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.66	
26 05 33 13-2606	EA 1-1/2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover.....	113.92	19.80
	<i>For Work In Restricted Working Space, Add</i>	16.04	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	5.35	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	10.69	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	13.37	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	18.71	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	21.38	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	26.73	
	<i>For Elevated Installation &gt;40', Add</i>	29.40	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.04	
26 05 33 13-2607	EA 2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover.....	156.39	22.17
	<i>For Work In Restricted Working Space, Add</i>	18.41	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	6.14	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	12.28	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	15.35	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	21.48	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	24.55	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	30.69	
	<i>For Elevated Installation &gt;40', Add</i>	33.76	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.41	
26 05 33 13-2608	<b>Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover</b> <small>(26 05 33 13-2586)</small>		
26 05 33 13-2609	EA 1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover.....	31.68	7.52
	<i>For Work In Restricted Working Space, Add</i>	5.64	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	1.88	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	3.76	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	4.70	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	6.58	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	7.52	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	9.41	
	<i>For Elevated Installation &gt;40', Add</i>	10.35	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
26 05 33 13-2610	EA 3/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover.....	42.51	9.90
	<i>For Work In Restricted Working Space, Add</i>	7.43	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	2.48	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	4.95	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	6.19	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	8.66	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	9.90	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	12.38	
	<i>For Elevated Installation &gt;40', Add</i>	13.61	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.43	
26 05 33 13-2611	EA 1" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover.....	54.58	12.27
	<i>For Work In Restricted Working Space, Add</i>	9.21	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	3.07	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	6.14	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	7.67	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	10.74	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	12.28	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	15.35	
	<i>For Elevated Installation &gt;40', Add</i>	16.88	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.21	
26 05 33 13-2612	EA 1-1/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover.....	71.26	15.05
	<i>For Work In Restricted Working Space, Add</i>	11.29	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	3.76	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	7.53	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	9.41	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	13.17	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	15.05	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	18.82	
	<i>For Elevated Installation &gt;40', Add</i>	20.70	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.29	
26 05 33 13-2613	EA 1-1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover.....	87.25	17.43
	<i>For Work In Restricted Working Space, Add</i>	13.07	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	4.36	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	8.71	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	10.89	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	15.25	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	17.42	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	21.78	
	<i>For Elevated Installation &gt;40', Add</i>	23.96	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.07	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2614 EA 2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover ..... For Work In Restricted Working Space, Add ..... For Elevated Installation >10' To 15', Add ..... For Elevated Installation >15' To 20', Add ..... For Elevated Installation >20' To 25', Add ..... For Elevated Installation >25' To 30', Add ..... For Elevated Installation >30' To 35', Add ..... For Elevated Installation >35' To 40', Add ..... For Elevated Installation >40', Add ..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add .....	136.75 14.85 4.95 9.90 12.38 17.33 19.80 24.75 27.23 14.85	19.80
<b>26 05 33 13-2615 Aluminum Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways)</b> (26 05 33 13-2473)		
26 05 33 13-2616 EA 3/4" To 1-1/4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB120) ..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add .....	135.91 16.28	21.68
26 05 33 13-2617 EA 1-1/2" To 2-1/2" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB250) ..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add .....	501.80 30.09	40.09
26 05 33 13-2618 EA 3" To 4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB400)..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add .....	965.89 61.04	81.38
<b>26 05 33 13-2619 Replacement Covers And Gaskets For Conduit Body</b> (26 05 33 13-2473)		
<b>26 05 33 13-2620 Replacement Stamped Aluminum Conduit Body Cover</b> (26 05 33 13-2619)		
26 05 33 13-2621 EA 1/2" Replacement Stamped Aluminum Conduit Body Cover ..... 26 05 33 13-2622 EA 3/4" Replacement Stamped Aluminum Conduit Body Cover ..... 26 05 33 13-2623 EA 1" Replacement Stamped Aluminum Conduit Body Cover ..... 26 05 33 13-2624 EA 1-1/4" Replacement Stamped Aluminum Conduit Body Cover ..... 26 05 33 13-2625 EA 1-1/2" Replacement Stamped Aluminum Conduit Body Cover ..... 26 05 33 13-2626 EA 2" Replacement Stamped Aluminum Conduit Body Cover ..... 26 05 33 13-2627 EA 2-1/2" Replacement Stamped Aluminum Conduit Body Cover ..... 26 05 33 13-2628 EA 3" Replacement Stamped Aluminum Conduit Body Cover ..... 26 05 33 13-2629 EA 3-1/2" Replacement Stamped Aluminum Conduit Body Cover ..... 26 05 33 13-2630 EA 4" Replacement Stamped Aluminum Conduit Body Cover .....	10.96 13.54 17.33 21.09 26.11 31.12 42.33 53.68 58.20 73.35	3.86 4.50 5.80 7.08 8.36 9.66 10.94 15.44 17.38 21.88
<b>26 05 33 13-2631 Replacement Cast Steel Conduit Body Cover</b> (26 05 33 13-2619)		
26 05 33 13-2632 EA 1/2" Replacement Cast Steel Conduit Body Cover ..... 26 05 33 13-2633 EA 3/4" Replacement Cast Steel Conduit Body Cover ..... 26 05 33 13-2634 EA 1" Replacement Cast Steel Conduit Body Cover ..... 26 05 33 13-2635 EA 1-1/4" Replacement Cast Steel Conduit Body Cover ..... 26 05 33 13-2636 EA 1-1/2" Replacement Cast Steel Conduit Body Cover ..... 26 05 33 13-2637 EA 2" Replacement Cast Steel Conduit Body Cover ..... 26 05 33 13-2638 EA 2-1/2" Replacement Cast Steel Conduit Body Cover ..... 26 05 33 13-2639 EA 3" Replacement Cast Steel Conduit Body Cover ..... 26 05 33 13-2640 EA 3-1/2" Replacement Cast Steel Conduit Body Cover ..... 26 05 33 13-2641 EA 4" Replacement Cast Steel Conduit Body Cover .....	13.17 15.47 22.08 27.52 33.60 39.69 45.73 61.71 70.85 89.36	3.86 4.50 5.80 7.08 8.36 9.66 10.94 15.44 17.38 21.88
<b>26 05 33 13-2642 Replacement Velbuna Composition Conduit Body Gasket</b> (26 05 33 13-2619)		
26 05 33 13-2643 EA 1/2" Replacement Velbuna Composition Conduit Body Gasket ..... 26 05 33 13-2644 EA 3/4" Replacement Velbuna Composition Conduit Body Gasket ..... 26 05 33 13-2645 EA 1" Replacement Velbuna Composition Conduit Body Gasket ..... 26 05 33 13-2646 EA 1-1/4" Replacement Velbuna Composition Conduit Body Gasket ..... 26 05 33 13-2647 EA 1-1/2" Replacement Velbuna Composition Conduit Body Gasket ..... 26 05 33 13-2648 EA 2" Replacement Velbuna Composition Conduit Body Gasket ..... 26 05 33 13-2649 EA 2-1/2" Replacement Velbuna Composition Conduit Body Gasket ..... 26 05 33 13-2650 EA 3" Replacement Velbuna Composition Conduit Body Gasket ..... 26 05 33 13-2651 EA 3-1/2" Replacement Velbuna Composition Conduit Body Gasket ..... 26 05 33 13-2652 EA 4" Replacement Velbuna Composition Conduit Body Gasket .....	9.97 11.33 14.87 19.60 22.17 26.56 36.08 45.88 50.82 59.73	3.86 4.50 5.80 7.08 8.36 9.66 10.94 15.44 17.38 21.88
<b>26 05 33 13-2653 Replacement Neoprene Conduit Body Gasket</b> (26 05 33 13-2619)		
26 05 33 13-2654 EA 1/2" Replacement Neoprene Conduit Body Gasket ..... 26 05 33 13-2655 EA 3/4" Replacement Neoprene Conduit Body Gasket ..... 26 05 33 13-2656 EA 1" Replacement Neoprene Conduit Body Gasket ..... 26 05 33 13-2657 EA 1-1/4" Replacement Neoprene Conduit Body Gasket ..... 26 05 33 13-2658 EA 1-1/2" Replacement Neoprene Conduit Body Gasket ..... 26 05 33 13-2659 EA 2" Replacement Neoprene Conduit Body Gasket ..... 26 05 33 13-2660 EA 2-1/2" Replacement Neoprene Conduit Body Gasket ..... 26 05 33 13-2661 EA 3" Replacement Neoprene Conduit Body Gasket ..... 26 05 33 13-2662 EA 3-1/2" Replacement Neoprene Conduit Body Gasket ..... 26 05 33 13-2663 EA 4" Replacement Neoprene Conduit Body Gasket .....	11.51 12.80 16.79 20.57 23.14 26.66 36.33 46.13 52.46 61.37	3.86 4.50 5.80 7.08 8.36 9.66 10.94 15.44 17.38 21.88
<b>26 05 33 16 Boxes for Electrical Systems</b> (26 05 33)		
See CSI section 26 27 16 00-0000 for larger junction boxes and enclosures.		
<b>26 05 33 16-0001 Steel Junction, Device, And Fixture Boxes, Rings And Covers</b> (26 05 33 16)		
Note: Thin wall metal. See CSI section 26 27 26 00-0005 for steel box/receptacle assemblies, 26 27 26 00-0134 for steel box/switch assemblies.		
<b>26 05 33 16-0002 4" Square Steel Boxes, Rings And Covers</b> (26 05 33 16-0001)		
26 05 33 16-0003 EA 1-1/2" Depth, 4" Square Steel Box ..... For Stud Bracket, Add .....	37.16 1.14	16.26



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0076	EA	3" Depth, 4" Steel Octagonal Concrete Ring .....	57.78	
26 05 33 16-0077	EA	3-1/2" Depth, 4" Steel Octagonal Concrete Ring .....	60.19	
26 05 33 16-0078	EA	4" Depth, 4" Steel Octagonal Concrete Ring .....	67.44	
26 05 33 16-0079	EA	5" Depth, 4" Steel Octagonal Concrete Ring .....	75.02	
26 05 33 16-0080	EA	6" Depth, 4" Steel Octagonal Concrete Ring .....	80.58	
26 05 33 16-0081	EA	Flat, 4" Steel Octagonal Concrete Cover .....	14.75	5.42
<b>26 05 33 16-0082</b>		<b>4-1/2" Steel Gang Boxes <small>(26 05 33 16-0001)</small></b>		
26 05 33 16-0083	EA	2 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box .....	57.09	13.54
26 05 33 16-0084	EA	3 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box .....	63.07	14.63
26 05 33 16-0085	EA	4 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box .....	77.76	16.26
26 05 33 16-0086	EA	5 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box .....	106.34	17.88
26 05 33 16-0087	EA	6 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box .....	167.85	19.51
26 05 33 16-0088	EA	2 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box .....	85.65	13.54
26 05 33 16-0089	EA	3 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box .....	93.50	14.63
26 05 33 16-0090	EA	4 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box .....	129.14	16.26
26 05 33 16-0091	EA	5 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box .....	170.22	17.88
26 05 33 16-0092	EA	6 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box .....	294.17	19.51
26 05 33 16-0093	EA	2 Device, Gang Box Mud Ring .....	25.69	5.42
26 05 33 16-0094	EA	3 Device, Gang Box Mud Ring .....	26.17	5.42
26 05 33 16-0095	EA	4 Device, Gang Box Mud Ring .....	31.67	5.42
26 05 33 16-0096	EA	5 Device, Gang Box Mud Ring .....	41.13	5.42
26 05 33 16-0097	EA	6 Device, Gang Box Mud Ring .....	61.88	5.42
26 05 33 16-0098	EA	2 Device, Gang Box Flat Cover .....	20.96	5.42
26 05 33 16-0099	EA	3 Device, Gang Box Flat Cover .....	26.12	5.42
26 05 33 16-0100	EA	4 Device, Gang Box Flat Cover .....	32.96	5.42
26 05 33 16-0101	EA	5 Device, Gang Box Flat Cover .....	41.66	5.42
26 05 33 16-0102	EA	6 Device, Gang Box Flat Cover .....	63.35	5.42
<b>26 05 33 16-0103</b>		<b>Steel Switch Boxes <small>(26 05 33 16-0001)</small></b>		
26 05 33 16-0104	EA	2-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box .....	34.47	13.54
26 05 33 16-0105	EA	2-3/4" Depth, 3" x 2", Stud Bracket, Steel Switch Box .....	35.27	13.54
26 05 33 16-0106	EA	3-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box .....	39.39	13.54
26 05 33 16-0107	EA	2-1/2" Depth, 2 Device, Stud Bracket, Steel Box .....	48.65	13.54
26 05 33 16-0108	EA	2-1/2" Depth, 3 Device, Stud Bracket, Steel Box .....	49.46	13.54
26 05 33 16-0109	EA	2-1/2" Depth, 4 Device, Stud Bracket, Steel Box .....	62.01	13.54
<b>26 05 33 16-0110</b>		<b>4" x 2" Steel Handy Boxes, Extension Rings And Covers <small>(26 05 33 16-0001)</small></b>		
26 05 33 16-0111	EA	1-1/2" Deep, 4" x 2" Steel Handy Box .....	30.71	13.54
		<i>For Stud Bracket, Add</i>	4.46	
26 05 33 16-0112	EA	1-7/8" Deep, 4" x 2" Steel Handy Box .....	31.56	13.54
		<i>For Stud Bracket, Add</i>	1.92	
26 05 33 16-0113	EA	2-1/8" Deep, 4" x 2" Steel Handy Box .....	33.46	13.54
		<i>For Stud Bracket, Add</i>	2.62	
26 05 33 16-0114	EA	1-1/2" Deep, 4" x 2" Steel Handy Box Extension Ring .....	21.44	8.13
26 05 33 16-0115	EA	1-7/8" Deep, 4" x 2" Steel Handy Box Extension Ring .....	20.59	8.13
26 05 33 16-0116	EA	GFI Receptacle, 2" x 4" Steel Handy Box Exposed Work Cover .....	7.29	2.71
26 05 33 16-0117	EA	1.406" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover .....	7.45	2.71
26 05 33 16-0118	EA	Duplex Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover .....	6.65	2.71
26 05 33 16-0119	EA	Toggle Switch, 4" x 2" Steel Handy Box Exposed Work Cover .....	6.70	2.71
26 05 33 16-0120	EA	1.594" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover .....	8.33	2.71
26 05 33 16-0121	EA	Flat, 2" x 4" Steel Handy Box Exposed Work Cover .....	6.70	2.71
<b>26 05 33 16-0122</b>		<b>3"-1/2" Depth, 3-3/4" Steel Masonry Boxes <small>(26 05 33 16-0001)</small></b>		
26 05 33 16-0123	EA	1 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box .....	47.97	18.97
26 05 33 16-0124	EA	2 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box .....	55.25	20.05
26 05 33 16-0125	EA	3 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box .....	65.08	21.67
26 05 33 16-0126	EA	4 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box .....	75.29	23.84
<b>26 05 33 16-0127</b>		<b>Cast Boxes <small>(26 05 33 16)</small></b>		
		Note: For flush or surface mount.		
<b>26 05 33 16-0128</b>		<b>Cast Iron Alloy Boxes <small>(26 05 33 16-0127)</small></b>		
		See CSI section 26 27 26 00-0281 for box covers.		
<b>26 05 33 16-0129</b>		<b>Shallow, Single Gang Cast Iron Alloy Boxes <small>(26 05 33 16-0128)</small></b>		
		Note: Up to 2" deep boxes.		
26 05 33 16-0130	EA	1/2" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box .....	93.64	32.51
		Note: One hub.		
26 05 33 16-0131	EA	3/4" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box .....	100.74	37.93
		Note: One hub.		
26 05 33 16-0132	EA	1" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box .....	118.56	46.06
		Note: One hub.		
26 05 33 16-0133	EA	1/2" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box .....	116.90	43.35
		Note: Two hub.		
26 05 33 16-0134	EA	3/4" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box .....	149.63	51.48
		Note: Two hub.		
26 05 33 16-0135	EA	1/2" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box .....	116.41	43.35
		Note: Two hub.		
26 05 33 16-0136	EA	3/4" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box .....	140.02	51.48
		Note: Two hubs.		

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 05 33 16-0137	EA	1/2" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box ..... Note: Two hubs.	119.50	43.35
26 05 33 16-0138	EA	3/4" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box ..... Note: Two hubs.	140.07	51.48
26 05 33 16-0139	EA	1/2" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box..... Note: Two hubs.	116.41	43.35
26 05 33 16-0140	EA	3/4" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box..... Note: Two hubs.	136.25	51.48
26 05 33 16-0141	EA	1/2" Depth, Type FSFA, Shallow, Single Gang Cast Iron Alloy Box ..... Note: Three hubs.	138.61	54.18
26 05 33 16-0142	EA	3/4" Depth, Type FSFA, Shallow, Single Gang Cast Iron Alloy Box ..... Note: Three hubs.	163.99	65.02
26 05 33 16-0143	EA	1/2" Depth, Type FSFA, Shallow, Single Gang Cast Iron Alloy Box ..... Note: Three hubs.	144.53	54.18
26 05 33 16-0144	EA	3/4" Depth, Type FSFA, Shallow, Single Gang Cast Iron Alloy Box ..... Note: Three hubs.	186.59	65.02
26 05 33 16-0145	EA	1/2" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box ..... Note: Three hubs.	148.40	54.18
26 05 33 16-0146	EA	3/4" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box ..... Note: Three hubs.	177.29	65.02
26 05 33 16-0147	EA	1/2" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box..... Note: Three hubs.	138.10	54.18
26 05 33 16-0148	EA	3/4" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box..... Note: Three hubs.	179.91	65.02
26 05 33 16-0149	EA	1/2" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box..... Note: Four hubs.	176.23	65.02
26 05 33 16-0150	EA	3/4" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box..... Note: Four hubs.	212.59	78.57
<b>26 05 33 16-0151 Deep, Single Gang Cast Iron Alloy Boxes (26 05 33 16-0128)</b>				
Note: >2" deep boxes.				
26 05 33 16-0152	EA	1/2" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box..... Note: One hub.	98.00	32.51
26 05 33 16-0153	EA	3/4" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box..... Note: One hub.	112.85	37.93
26 05 33 16-0154	EA	1" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box..... Note: One hub.	132.53	46.06
26 05 33 16-0155	EA	1/2" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box ..... Note: Two hubs.	124.88	43.35
26 05 33 16-0156	EA	3/4" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box ..... Note: Two hubs.	144.13	51.48
26 05 33 16-0157	EA	1" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box ..... Note: Two hubs.	173.22	62.31
26 05 33 16-0158	EA	3/4" Depth, Type FDS, Deep, Single Gang Cast Iron Alloy Box ..... Note: Two hubs.	155.01	51.48
26 05 33 16-0159	EA	3/4" Depth, Type FDCC, Deep, Single Gang Cast Iron Alloy Box..... Note: Three hubs.	199.47	65.02
<b>26 05 33 16-0160 Shallow, Two Gang Cast Iron Alloy Boxes (26 05 33 16-0128)</b>				
Note: Up to 2" deep boxes.				
26 05 33 16-0161	EA	1/2" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box ..... Note: One hub.	112.79	35.22
26 05 33 16-0162	EA	3/4" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box ..... Note: One hub.	124.91	40.64
26 05 33 16-0163	EA	1" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box ..... Note: One hub.	145.06	48.77
26 05 33 16-0164	EA	1/2" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box..... Note: Two hubs.	136.56	46.06
26 05 33 16-0165	EA	3/4" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box..... Note: Two hubs.	155.06	54.18
<b>26 05 33 16-0166 Deep, Two Gang Cast Iron Alloy Boxes (26 05 33 16-0128)</b>				
Note: >2" deep boxes.				
26 05 33 16-0167	EA	1/2" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box..... Note: One hub.	125.89	35.22
26 05 33 16-0168	EA	3/4" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box ..... Note: One hub.	137.24	40.64
26 05 33 16-0169	EA	1/2" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box ..... Note: Two hubs.	156.28	46.06
26 05 33 16-0170	EA	3/4" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box ..... Note: Two hubs.	175.90	54.18
<b>26 05 33 16-0171 Cast Aluminum Boxes (26 05 33 16-0127)</b>				
See CSI section 26 27 26 00-0281 for box covers.				
<b>26 05 33 16-0172 Shallow, Single Gang Cast Aluminum Boxes (26 05 33 16-0171)</b>				
Note: Up to 2" deep boxes.				
26 05 33 16-0173	EA	1/2" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box ..... Note: One hub.	82.80	27.10
26 05 33 16-0174	EA	3/4" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box ..... Note: One hub.	94.78	32.51
26 05 33 16-0175	EA	1" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box ..... Note: One hub.	105.21	40.64
26 05 33 16-0176	EA	1/2" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	77.72	27.10



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0177 EA 3/4" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	98.37	32.51
26 05 33 16-0178 EA 1/2" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box ..... Note: Two hubs.	104.97	37.93
26 05 33 16-0179 EA 3/4" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box ..... Note: Two hubs.	126.10	46.06
26 05 33 16-0180 EA 1" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box ..... Note: Two hubs.	158.26	56.90
26 05 33 16-0181 EA 1/2" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box ..... Note: Two hubs.	113.81	37.93
26 05 33 16-0182 EA 3/4" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box ..... Note: Two hubs.	121.80	46.06
26 05 33 16-0183 EA 1/2" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	108.79	37.93
26 05 33 16-0184 EA 3/4" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	124.80	46.06
26 05 33 16-0185 EA 1/2" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box ..... Note: Two hubs.	105.54	37.93
26 05 33 16-0186 EA 3/4" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box ..... Note: Two hubs.	124.80	46.06
26 05 33 16-0187 EA 1/2" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	98.04	37.93
26 05 33 16-0188 EA 3/4" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	132.78	46.06
26 05 33 16-0189 EA 1/2" Depth, Type FSCL, Shallow, Single Gang Cast Aluminum Box ..... Note: Three hubs.	124.89	48.77
26 05 33 16-0190 EA 3/4" Depth, Type FSCL, Shallow, Single Gang Cast Aluminum Box ..... Note: Three hubs.	151.73	59.61
26 05 33 16-0191 EA 1/2" Depth, Type FSCL, Shallow, Single Gang Cast Aluminum Box ..... Note: Three hubs.	132.66	48.77
26 05 33 16-0192 EA 3/4" Depth, Type FSCL, Shallow, Single Gang Cast Aluminum Box ..... Note: Three hubs.	178.66	59.61
26 05 33 16-0193 EA 1/2" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box ..... Note: Three hubs.	132.01	48.77
26 05 33 16-0194 EA 3/4" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box ..... Note: Three hubs.	161.98	59.61
26 05 33 16-0195 EA 3/4" Depth, Type FST, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	164.29	59.61
26 05 33 16-0196 EA 1/2" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box..... Note: Four hubs.	160.96	59.61
26 05 33 16-0197 EA 3/4" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box..... Note: Four hubs.	196.46	73.15
<b>26 05 33 16-0198</b>	<b>Deep, Single Gang Cast Aluminum Boxes (26 05 33 16-0171)</b>	
Note: >2" deep boxes.		
26 05 33 16-0199 EA 1/2" Depth, Type FD, Deep, Single Gang Cast Aluminum Box.....	91.82	27.10
26 05 33 16-0200 EA 3/4" Depth, Type FD, Deep, Single Gang Cast Aluminum Box.....	110.00	32.51
26 05 33 16-0201 EA 1" Depth, Type FD, Deep, Single Gang Cast Aluminum Box.....	126.13	40.64
26 05 33 16-0202 EA 3/4" Depth, Type FDA, Deep, Single Gang Cast Aluminum Box ..... Note: One hub.	118.23	32.51
26 05 33 16-0203 EA 1/2" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box ..... Note: Two hubs.	116.63	37.93
26 05 33 16-0204 EA 3/4" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box ..... Note: Two hubs.	140.42	46.06
26 05 33 16-0205 EA 1" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box ..... Note: Two hubs.	156.92	56.90
26 05 33 16-0206 EA 3/4" Depth, Type FDS, Deep, Single Gang Cast Aluminum Box ..... Note: Two hubs.	142.33	46.06
26 05 33 16-0207 EA 3/4" Depth, Type FDCC, Deep, Single Gang Cast Aluminum Box ..... Note: Three hubs.	174.00	59.61
<b>26 05 33 16-0208</b>	<b>Shallow, Two Gang Cast Aluminum Boxes (26 05 33 16-0171)</b>	
Note: Up to 2" deep boxes.		
26 05 33 16-0209 EA 1/2" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box..... Note: One hub.	109.87	29.80
26 05 33 16-0210 EA 3/4" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box ..... Note: One hub.	125.79	35.22
26 05 33 16-0211 EA 1" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box ..... Note: One hub.	134.93	43.35
26 05 33 16-0212 EA 1/2" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box ..... Note: Two hubs.	137.24	40.64
26 05 33 16-0213 EA 3/4" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box ..... Note: Two hubs.	139.79	48.77
26 05 33 16-0214 EA 1" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box ..... Note: Two hubs.	172.68	59.61
<b>26 05 33 16-0215</b>	<b>Deep, Two Gang Cast Aluminum Boxes (26 05 33 16-0171)</b>	
Note: >2" deep boxes.		
26 05 33 16-0216 EA 1/2" Depth, Type FD, Deep, Two Gang Cast Aluminum Box.....	109.77	29.80
26 05 33 16-0217 EA 3/4" Depth, Type FD, Deep, Two Gang Cast Aluminum Box..... Note: One hub.	127.02	35.22

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	16-0218	EA	1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box ..... Note: Two hubs.	140.05	40.64
26 05 33	16-0219	EA	3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box ..... Note: Two hubs.	158.64	48.77
26 05 33	16-0220	EA	1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box ..... Note: Two hubs.	140.05	40.64
26 05 33	16-0221	EA	3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box ..... Note: Two hubs.	158.64	48.77
<b>26 05 33</b>	<b>16-0222</b>		<b>Shallow, Three Gang Cast Aluminum Boxes</b> <small>(26 05 33 16-0171)</small> Note: Up to 2" deep boxes.		
26 05 33	16-0223	EA	1/2" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box ..... Note: Two hubs.	146.97	43.35
26 05 33	16-0224	EA	3/4" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box ..... Note: Two hubs.	164.83	51.48
<b>26 05 33</b>	<b>16-0225</b>		<b>Deep, Three Gang Cast Aluminum Boxes</b> <small>(26 05 33 16-0171)</small> Note: >2" deep boxes.		
26 05 33	16-0226	EA	3/4" Depth, Type FD, Deep, Three Gang Cast Aluminum Box ..... Note: One hub.	167.86	37.93
26 05 33	16-0227	EA	1" Depth, Type FD, Deep, Three Gang Cast Aluminum Box ..... Note: One hub.	187.01	46.06
<b>26 05 33</b>	<b>16-0228</b>		<b>Cast Aluminum Explosion Proof Outlet Bodies</b> <small>(26 05 33 16-0127)</small> Note: Class I, Div. 1 & 2; Class II, Div. 1 & 2; and Class III.		
26 05 33	16-0229	EA	1/2" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body.....	173.58	43.35
26 05 33	16-0230	EA	3/4" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body.....	215.32	48.77
26 05 33	16-0231	EA	1" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body.....	196.63	54.18
26 05 33	16-0232	EA	1/2" Depth, Type GRSSA, 13 Opening, Cast Aluminum Explosion Proof Outlet Body .....	192.34	48.77
26 05 33	16-0233	EA	3/4" Depth, 13 Hubs, Explosion Proof Conduit Outlet Box With Cover Cast Aluminum, Type GRSSA .....	234.71	54.18
<b>26 05 33</b>	<b>16-0234</b>		<b>Non Metallic (PVC) Boxes</b> <small>(26 05 33 16)</small> See CSI section 26 27 26 00-0281 for box covers.		
<b>26 05 33</b>	<b>16-0235</b>		<b>Shallow, Single Gang Non Metallic (PVC) Boxes</b> <small>(26 05 33 16-0234)</small>		
26 05 33	16-0236	EA	1/2" Depth, Type FSE, Shallow, Single Gang Non Metallic (PVC) Box..... Note: One hub.	57.86	22.76
26 05 33	16-0237	EA	3/4" Depth, Type FSE, Shallow, Single Gang Non Metallic (PVC) Box..... Note: One hub.	65.84	26.56
26 05 33	16-0238	EA	1" Depth, Type FSE, Shallow, Single Gang Non Metallic (PVC) Box ..... Note: One hub.	73.97	32.24
26 05 33	16-0239	EA	1/2" Depth, Type FSC, Shallow, Single Gang Non Metallic (PVC) Box ..... Note: Two hubs.	73.43	30.35
26 05 33	16-0240	EA	3/4" Depth, Type FSC, Shallow, Single Gang Non Metallic (PVC) Box ..... Note: Two hubs.	86.07	36.04
26 05 33	16-0241	EA	1" Depth, Type FSC, Shallow, Single Gang Non Metallic (PVC) Box ..... Note: Two hubs.	104.44	43.62
26 05 33	16-0242	EA	1/2" Depth, Type FSS, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Two hubs.	73.75	30.35
26 05 33	16-0243	EA	3/4" Depth, Type FSS, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Two hubs.	85.20	36.04
26 05 33	16-0244	EA	1" Depth, Type FSS, Shallow, Single Gang Non Metallic (PVC) Box ..... Note: Two hubs.	101.46	43.62
26 05 33	16-0245	EA	1/2" Depth, Type FSSC, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Three hubs.	93.33	37.93
26 05 33	16-0246	EA	3/4" Depth, Type FSSC, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Three hubs.	105.06	45.51
26 05 33	16-0247	EA	1" Depth, Type FSSC, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Three hubs.	122.99	55.00
<b>26 05 33</b>	<b>16-0248</b>		<b>Deep, Single Gang Non Metallic (PVC) Boxes</b> <small>(26 05 33 16-0234)</small>		
26 05 33	16-0249	EA	No Hub, Type FD, Deep, Single Gang Non Metallic (PVC) Box ..... Note: No hubs.	58.82	22.76
26 05 33	16-0250	EA	1/2" Depth, Type FDE, Deep, Single Gang Non Metallic (PVC) Box ..... Note: One hub.	57.13	22.76
26 05 33	16-0251	EA	3/4" Depth, Type FDE, Deep, Single Gang Non Metallic (PVC) Box ..... Note: One hub.	68.12	26.56
26 05 33	16-0252	EA	1" Depth, Type FDE, Deep, Single Gang Non Metallic (PVC) Box ..... Note: One hub.	74.91	32.24
26 05 33	16-0253	EA	1/2" Depth, Type FDC, Deep, Single Gang Non Metallic (PVC) Box ..... Note: Two hubs.	75.32	30.35
26 05 33	16-0254	EA	3/4" Depth, Type FDC, Deep, Single Gang Non Metallic (PVC) Box ..... Note: Two hubs.	83.59	36.04
26 05 33	16-0255	EA	1" Depth, Type FDC, Deep, Single Gang Non Metallic (PVC) Box ..... Note: Two hubs.	99.62	43.62
<b>26 05 33</b>	<b>16-0256</b>		<b>Shallow, Two Gang Non Metallic (PVC) Boxes</b> <small>(26 05 33 16-0234)</small>		
26 05 33	16-0257	EA	1/2" Depth, Type FSE, Shallow, Two Gang Non Metallic (PVC) Box..... Note: One hub.	62.16	24.65
26 05 33	16-0258	EA	3/4" Depth, Type FSE, Shallow, Two Gang Non Metallic (PVC) Box..... Note: One hub.	71.10	28.45

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 16-0259	EA			1" Depth, Type FSE, Shallow, Two Gang Non Metallic (PVC) Box..... Note: One hub.	77.94	34.13
26 05 33 16-0260	EA			1/2" Depth, Type FSC, Shallow, Two Gang Non Metallic (PVC) Box ..... Note: Two hubs.	75.12	32.24
26 05 33 16-0261	EA			3/4" Depth, Type FSC, Shallow, Two Gang Non Metallic (PVC) Box ..... Note: Two hubs.	93.97	37.93
26 05 33 16-0262	EA			1" Depth, Type FSC, Shallow, Two Gang Non Metallic (PVC) Box ..... Note: Two hubs.	110.84	45.51
26 05 33 16-0263	EA			1/2" Depth, Type FSS, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Two hubs.	77.36	32.24
26 05 33 16-0264	EA			3/4" Depth, Type FSS, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Two hubs.	100.16	37.93
26 05 33 16-0265	EA			1" Depth, Type FSS, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Two hubs.	105.87	45.51
26 05 33 16-0266	EA			1/2" Depth, Type FSCE, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Three hubs.	94.35	39.83
26 05 33 16-0267	EA			3/4" Depth, Type FSCE, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Three hubs.	126.92	47.42
26 05 33 16-0268	EA			1" Depth, Type FSCE, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Three hubs.	126.63	56.90

**26 05 33 16-0269 Poke Thru Units** (26 05 33 16)
**26 05 33 16-0270 Surface Poke Thru Units** (26 05 33 16-0269)

Note: Excludes concrete drilling.						
26 05 33 16-0271	EA			Single 20 Amperes, Duplex Receptacle RC3 Power And Communications Poke Thru Unit ..... Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Excludes communication jacks. Wiremold RC3ATCAL.	596.01	40.64
26 05 33 16-0272	EA			Retrofit Kit Upgrades Existing RC3 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements ..... Note: Includes 20 Amp duplex receptacle. Tile or carpet with brushed aluminum flange with black nonmetallic cover. Wiremold RC3KTCAL.	380.05	
26 05 33 16-0273	EA			20 Amperes, Replacement Duplex Receptacle For RC3 Series Power And Communications Poke Thru Unit..... Note: Wiremold RC37REC.	48.63	10.84
26 05 33 16-0274	EA			Abandonment Plate For RC3 Series Power And Communications Poke Thru Unit..... Note: Wiremold RC3APTGBK.	63.25	5.42
26 05 33 16-0275	EA			Four 20 Amperes, Receptacles RC4 Power And Communications Poke Thru Unit ..... Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Excludes communication jacks. Wiremold RC4ATCAL.	675.61	43.35
26 05 33 16-0276	EA			Retrofit Kit Upgrades Existing RC4 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements ..... Note: Includes two 20 Amp duplex receptacles. Tile or carpet with brushed aluminum flange with black nonmetallic cover. Excludes communication jacks. Wiremold RC4KTCAL.	354.84	
26 05 33 16-0277	EA			Two 20 Amperes, Replacement Duplex Receptacles For RC4 Series Power And Communications Poke Thru Unit ..... Note: Wiremold RC4REC2.	84.72	16.26
26 05 33 16-0278	EA			Abandonment Plate For RC4 Series Power And Communications Poke Thru Unit..... Note: Wiremold RC4APTGBK.	63.25	5.42
26 05 33 16-0279	EA			Abandonment Plug For RC4 Series Power And Communications Poke Thru Unit..... Note: Wiremold ABPLUG4.	187.19	10.84
26 05 33 16-0280	EA			Four Jack RC9AMD Communications Poke Thru Unit ..... Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Includes bezels to accept four Ortronics TracJack inserts and two Ortronics Series II inserts. Excludes communication jacks. Wiremold RC9AMDTCAL.	532.50	37.93
26 05 33 16-0281	EA			Abandonment Plate For RC9 Series Communications Poke Thru Unit ..... Note: Wiremold RC9APTGBK.	42.99	5.42
26 05 33 16-0282	EA			Eight Jack AMD8 Communications Poke Thru Unit..... Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Includes bezels to accept eight Ortronics TracJack inserts and four Ortronics Series II inserts. Excludes communication jacks. Wiremold AMD8ATCAL.	529.94	37.93
26 05 33 16-0283	EA			Communication Conduit Adapter For Poke Thru Units..... Note: Includes two conduit connections for communication systems. Wiremold COM75.	61.03	5.42

**26 05 33 16-0284 Recessed Poke Thru Units** (26 05 33 16-0269)
**26 05 33 16-0285 Evolution 6AT Poke Thru Units** (26 05 33 16-0284)

Note: Excludes concrete drilling.						
26 05 33 16-0286	EA			Recessed Prewired Assembly With Surface Style Cover (Wiremold 6ATCP) ..... Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	806.51	43.35
26 05 33 16-0287	EA			Recessed Prewired Assembly With Flush Style Cover (Wiremold 6ATP) ..... Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	806.61	43.35
26 05 33 16-0288	EA			Recessed Assembly With Surface Style Cover (Wiremold 6ATC)..... Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	768.54	43.35
26 05 33 16-0289	EA			Recessed Assembly With Flush Style Cover (Wiremold 6AT) ..... Note: For tile, wood or laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	768.54	43.35
26 05 33 16-0290	EA			Recessed Prewired Audio/Video Assembly With Surface Style Cover (Wiremold 6ATCPA)..... Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	806.51	43.35

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	16-0291	EA	Recessed Prewired Audio/Video Assembly With Flush Style Cover (Wiremold 6ATPA) ..... Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	806.51	43.35
26 05 33	16-0292	EA	Recessed Furniture Feed Assembly With Surface Style Cover (Wiremold 6ATCFF) ..... Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Die-cast aluminum cover assembly provides one (1) 3/4" trade size screw plug opening and one (1) concentric 2"-1 1/4" trade size screw plug opening and is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	736.40	43.35
26 05 33	16-0293	EA	Recessed Assembly With Disposable Plate (Wiremold 6STC) ..... Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 6CTC, 6CT, and 6CFFTC Series.	460.69	40.64
26 05 33	16-0294	EA	Recessed Prewired Audio/Video Assembly With Disposable Plate (Wiremold 6STCPAV) ..... Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies(purchased separately): 6CTC and 6CT Series.	494.27	40.64
26 05 33	16-0295	EA	Recessed Prewired Assembly With Disposable Plate (Wiremold 6STCP) ..... Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 6CTC and 6CT Series.	497.60	40.64
26 05 33	16-0296	EA	6" Pre-Pour Poke-Thru Sleeve (Wiremold 6PPS) ..... Note: Nonmetallic sleeve attaches to structural decking and maintains 6"-6 1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	140.29	21.67
26 05 33	16-0297	EA	Surface Style Cover Assembly (Wiremold 6CTC) ..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CTC Series cover assemblies designed for use with 6STC, 6STCP, and 6STCPAV Poke-Thru Stem Assemblies.	325.55	10.84
26 05 33	16-0298	EA	Flush Style Cover Assembly (Wiremold 6CT) ..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CT Series cover assemblies designed for use with 6STC, 6STCP and 6STCPAV Poke-Thru Stem Assemblies. Includes one (1) 6TS Tile Shim.	325.55	10.84
26 05 33	16-0299	EA	Furniture Feed Cover Assembly (Wiremold 6CFFTC) ..... Note: Surface style, die-cast aluminum cover assembly, with one (1) 3/4" trade size screw plug opening, and one (1) concentric 2"-1 1/4" trade size screw plug opening. Cover assembly is available in finishes: black (BK), gray(GY), nickel (NK), brass (BS), and bronze (BZ). 6CFFTC Series Cover Assemblies designed for use with 6STC Poke- Thru Stem Assembly. Includes one (1) 3/4" and one (1) 2" trade size conduit fittings and one (1) divider to separate services.	270.49	10.84
26 05 33	16-0300	EA	Tile Shim (Wiremold 6TS) ..... Note: Used for floor coverings greater than 5/16" The 6TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" of adjustment.	39.05	2.71
26 05 33	16-0301	EA	Device Mounting Plate (Wiremold 6AAP) ..... Note: Device plate that will accept up to two (2) Extron® Electronics AAP style plates. For use in the center compartment only. Devices supplied by others.	18.83	5.42
26 05 33	16-0302	EA	Device Mounting Plate (Wiremold 6ACT8A) ..... Note: Device plate that will accept up to eight (8) ports of communication devices. For use in the center compartment only. Devices supplied by others.	21.81	5.42
26 05 33	16-0303	EA	Device Mounting Plate (Wiremold 6B) ..... Note: Device plate used to blank off center compartment, when no devices are used.	18.74	5.42
26 05 33	16-0304	EA	Device Mounting Plate (Wiremold 6DEC) ..... Note: Device plate that will accept Decorator style devices such as 20 amperes receptacles, GFCLs, 106 adapters or A/V devices. For use in the center compartment only. Devices supplied by others.	18.80	5.42
26 05 33	16-0305	EA	Device Mounting Plate (Wiremold 6DP) ..... Note: Device plate that will accept standard 20 amperes duplex receptacle or duplex Turnlok receptacle. For use in the center compartment only. Devices supplied by others.	18.67	5.42
26 05 33	16-0306	EA	Device Mounting Plate (Wiremold 6MAAP) ..... Note: Device plate that will accept up to six (6) Extron® Electronics MAAP style plates. For use in the center compartment only. Devices supplied by others.	22.13	5.42
26 05 33	16-0307	EA	Device Mounting Plate (Wiremold 6MAAP2A) ..... Note: Combination device plate that will accept up to three (3) Extron® Electronics MAAP style plates, and up to two (2) ports of communication devices. For use in the center compartment only. Devices supplied by others.	21.88	5.42
26 05 33	16-0308	EA	Mosaic Mounting Plate (Wiremold 6MOS) ..... Note: Device plate will accept two (2) standard [45mm x 45mm] or one (1) standard [45mm x 90mm] Mosaic style device(s). Devices supplied by others.	22.43	5.42
26 05 33	16-0309	EA	Device Mounting Plate (Wiremold 6S1) ..... Note: Receptacle opening 1 3/8". For 6" poke-thru units only.	18.38	5.42
26 05 33	16-0310	EA	Device Mounting Plate (Wiremold 6S2) ..... Note: Receptacle opening 1 9/16". For 6" poke-thru units only.	18.40	5.42
26 05 33	16-0311	EA	Device Mounting Plate (Wiremold 6SER) ..... Note: Device plate that will accept up to four (4) Ortronics® Series II dual modular inserts. For use in the center compartment only. Devices supplied by others.	18.14	5.42
26 05 33	16-0312	EA	Device Mounting Plate (Wiremold 6TRAC) ..... Note: Device plate that will accept up to eight (8) Ortronics® TracJack devices. For use in the center compartment only. Devices supplied by others.	18.14	5.42
26 05 33	16-0313	EA	20 Amperes, Duplex Receptacles (Wiremold 68REC) ..... Note: Two (2) proprietary 20 amperes duplex power receptacles with mounting plates. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated ground device.	44.07	8.13
26 05 33	16-0314	EA	Device Mounting Plate (Wiremold 68B) ..... Note: Blank plate. Used to blank off either of the side compartments when no devices or cabling are to be used.	16.57	5.42
26 05 33	16-0315	EA	Device Mounting Plate (Wiremold 68MAAP) ..... Note: Device plate that will accept up to two (2) Extron® Electronics MAAP device plates. For use in either of the two side compartments only. Not for use in the center compartment. Extron Devices supplied by others.	17.00	5.42
26 05 33	16-0316	EA	20 Amperes, Duplex Receptacles (Wiremold 68REC-25) ..... Note: Two (2) proprietary 20 amperes duplex power receptacles with mounting plates and 25' leads. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated	139.82	9.75

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0317	EA		Device Mounting Plate (Wiremold 682A) ..... Note: Device plate that will accept up to two (2) ports of communication devices. For use in either of the two side compartments only. Not for use in the center compartment. Communication devices supplied by others.	21.61	5.42
26 05 33 16-0318	EA		Bottom Housing Assembly (Wiremold 5PTHA) ..... Note: Half-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required. For use on side compartments only.	22.54	5.42
26 05 33 16-0319	EA		Bottom Housing Assembly (Wiremold 5BLH) ..... Note: Half-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required. For use on side compartments only. Includes tunnels for 6" and 8" poke-thru devices.	23.20	5.42
26 05 33 16-0320	EA		Bottom Housing Assembly (Wiremold 152CHA) ..... Note: One and a half-gang 2" trade size conduit housing assembly. Recommended for use with furniture feed devices (6ATCFF). Covers the center compartment and one of the side compartments.	35.43	10.84
26 05 33 16-0321	EA		Bottom Housing Assembly (Wiremold 575CHA) ..... Note: Half-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections. For use on side compartments only.	40.51	13.54
26 05 33 16-0322	EA		Bottom Housing Assembly (Wiremold 175CHA) ..... Note: One-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections.	44.78	13.54
26 05 33 16-0323	EA		Bottom Housing Assembly (Wiremold 1125CHA) ..... Note: One-gang 1 1/4" trade size conduit housing assembly.	33.98	10.84
26 05 33 16-0324	EA		Bottom Housing Assembly (Wiremold 1PTHA) ..... Note: One-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required.	22.38	5.42
26 05 33 16-0325	EA		Bottom Housing Assembly (Wiremold 1BLH) ..... Note: One-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required.	22.38	5.42
26 05 33 16-0326	EA		Bottom Housing Assembly (Wiremold 15FFHA) ..... Note: One and a half-gang pass through conduit housing assembly. Used for furniture feed applications on the center compartment only. Only for use with 6AT Series units.	23.61	5.42
26 05 33 16-0327	EA		Bottom Housing Assembly (Wiremold 1BHA) ..... Note: One-gang bottom housing assembly. Designed to accept 175CHA, 1125CHA, 1PTHA, and 1BLH plates.	24.44	5.42
<b>26 05 33 16-0328</b>			<b>Evolution 8AT Poke Thru Units</b> <small>(26 05 33 16-0284)</small> Note: Excludes concrete drilling.		
26 05 33 16-0329	EA		Recessed Prewired Assembly With Surface Style Cover (Wiremold 8ATCP) ..... Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,059.08	43.35
26 05 33 16-0330	EA		Recessed Prewired Assembly With Flush Style Cover (Wiremold 8ATP) ..... Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" [83mm] below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,007.84	43.35
26 05 33 16-0331	EA		Recessed Prewired Assembly With Flush Style Cover (Wiremold 8AT2P) ..... Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" [83mm] below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,070.68	43.35
26 05 33 16-0332	EA		Recessed Assembly With Surface Style Cover (Wiremold 8ATC) ..... Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	998.20	43.35
26 05 33 16-0333	EA		Recessed Assembly With Flush Style Cover (Wiremold 8AT) ..... Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	989.06	43.35
26 05 33 16-0334	EA		Recessed Assembly With Disposable Plate (Wiremold 8STC) ..... Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	596.27	40.64
26 05 33 16-0335	EA		Recessed Prewired Assembly With Disposable Plate (Wiremold 8STCP) ..... Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	668.45	40.64
26 05 33 16-0336	EA		8" Pre-Pour Poke-Thru Sleeve (Wiremold 8PPS) ..... Note: Nonmetallic sleeve attaches to structural decking and maintains 8"-8 1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	168.46	21.67
26 05 33 16-0337	EA		Surface Style Cover Assembly (Wiremold 8CTC) ..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies.	352.14	10.84
26 05 33 16-0338	EA		Flush Style Cover Assembly (Wiremold 8CT) ..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies. Includes one (1) 8TS Tile Shim.	352.14	10.84
26 05 33 16-0339	EA		Tile Shim (Wiremold 8TS) ..... Note: Used for floor coverings greater than 5/16". The 8TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" [9.5mm] of adjustment.	60.96	2.71
26 05 33 16-0340	EA		Device Mounting Plate (Wiremold 8B) ..... Note: Singlegang device plate used to blank off any one (1) of the three (3) gangs in the center compartment, when no devices are used.	19.47	5.42
26 05 33 16-0341	EA		Device Mounting Plate (Wiremold 8DP) ..... Note: Singlegang device plate that accepts standard 20 amperes duplex receptacle or a duplex Turnlok receptacle. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	19.58	5.42
26 05 33 16-0342	EA		Device Mounting Plate (Wiremold 8DEC) ..... Note: Singlegang device plate that will accept Decorator style devices such as 20 amperes receptacles, GGCIs, 106 adapters or A/V devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	19.71	5.42

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
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26 05 33 16-0343	EA	Device Mounting Plate (Wiremold 8ACT6A).....	22.91	5.42
		Note: Singlegang device plate that will accept up to six (6) ports of communication devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.		
26 05 33 16-0344	EA	Mosaic Mounting Plate (Wiremold 8MOS).....	27.84	5.42
		Note: Device plate accepts three (3) standard Mosaic devices. Devices supplied by others.		
26 05 33 16-0345	EA	Crestron Double Gang Plate (Wiremold 8CREST).....	27.80	5.42
		Note: Device plate accepts Crestron double-gang decorator style devices.		
26 05 33 16-0346	EA	Device Mounting Plate (Wiremold 8S1).....	18.87	5.42
		Note: Receptacle opening 1 3/8". For 8" poke-thru units only.		
26 05 33 16-0347	EA	Device Mounting Plate (Wiremold 8S2).....	19.11	5.42
		Note: Receptacle opening 1 9/16". For 8" poke-thru units only.		
26 05 33 16-0348	EA	Device Mounting Plate (Wiremold 8TRAC).....	18.87	5.42
		Note: Singlegang device plate that will accept up to six (6) Ortronics TracJack devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.		
26 05 33 16-0349	EA	Device Mounting Plate (Wiremold 8SER).....	18.87	5.42
		Note: Singlegang device plate that will accept up to three (3) Ortronics Series II dual modular inserts. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.		
26 05 33 16-0350	EA	Device Mounting Plate (Wiremold 8MAAP).....	27.40	5.42
		Note: Singlegang device plate that will accept up to four (4) Extron® Electronics MAAP style plates. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.		
26 05 33 16-0351	EA	Device Mounting Plate (Wiremold 8AAP).....	22.77	5.42
		Note: Twogang device plate that will accept up to four (4) Extron® Electronics AAP style plates. 8AAP takes up 2 of the 3 gangs in the center compartment. Devices supplied by others.		
26 05 33 16-0352	EA	8" Divider (Wiremold 8DIV).....	26.31	5.42
		Note: Divider allows for separation of services when required.		
26 05 33 16-0353	EA	Bottom Housing Assembly (Wiremold 22CHA).....	35.43	10.84
		Note: Two-gang 2" trade size conduit housing assembly. Used on 8AT Series devices. Covers two (2) of the three (3) gangs in the center compartment. Only for use with 8AT Series units.		

**26 05 33 23 Surface Raceways for Electrical Systems (26 05 33)****26 05 33 23-0001 Raceways (26 05 33 23)****26 05 33 23-0002 Wireway With Screw Cover (26 05 33 23-0001)**

Note: Also known as wire trough. Galvanized steel construction. Mounted exposed on flat wall surface.

**26 05 33 23-0003 2-1/2" x 2-1/2", Wireway With Screw Cover (26 05 33 23-0002)**

26 05 33 23-0004	LF	2-1/2" x 2-1/2", NEMA 1, Surface Mounted Wireway With Screw Cover.....	24.83	4.95
		For Combination Hinged Screw Cover, Add	0.75	
		For Concrete Or Masonry Surface, Add	0.50	
26 05 33 23-0005	EA	2-1/2" x 2-1/2", End Plate For Surface Mounted Wireway With Screw Cover.....	20.26	7.42
		For Combination Hinged Screw Cover, Add	0.27	
26 05 33 23-0006	EA	2-1/2" x 2-1/2", Coupling For Surface Mounted Wireway With Screw Cover.....	23.92	9.26
		For Combination Hinged Screw Cover, Add	0.27	
26 05 33 23-0007	EA	2-1/2" x 2-1/2", Panel Adapter For Surface Mounted Wireway With Screw Cover.....	50.53	17.33
		For Combination Hinged Screw Cover, Add	0.79	
26 05 33 23-0008	EA	2-1/2" x 2-1/2", Elbow For Surface Mounted Wireway With Screw Cover.....	82.15	17.33
		For Combination Hinged Screw Cover, Add	2.38	
26 05 33 23-0009	EA	2-1/2" x 2-1/2", Tee For Surface Mounted Wireway With Screw Cover.....	121.76	24.65
		For Combination Hinged Screw Cover, Add	3.63	
26 05 33 23-0010	EA	2-1/2" x 2-1/2", Cross For Surface Mounted Wireway With Screw Cover.....	136.71	27.23
		For Combination Hinged Screw Cover, Add	4.11	

**26 05 33 23-0011 4" x 4", Wireway With Screw Cover (26 05 33 23-0002)**

26 05 33 23-0012	LF	4" x 4", NEMA 1, Surface Mounted Wireway With Screw Cover.....	30.40	6.24
		For Combination Hinged Screw Cover, Add	0.90	
		For Concrete Or Masonry Surface, Add	0.62	
26 05 33 23-0013	LF	4" x 4", NEMA 3R, Surface Mounted Wireway With Screw Cover.....	54.93	6.24
		For Combination Hinged Screw Cover, Add	2.13	
		For Concrete Or Masonry Surface, Add	0.62	
26 05 33 23-0014	EA	4" x 4", End Plate For Surface Mounted Wireway With Screw Cover.....	16.54	5.45
		For Combination Hinged Screw Cover, Add	0.28	
26 05 33 23-0015	EA	4" x 4", Coupling For Surface Mounted Wireway With Screw Cover.....	26.44	10.40
		For Combination Hinged Screw Cover, Add	0.28	
26 05 33 23-0016	EA	4" x 4", Panel Adapter For Surface Mounted Wireway With Screw Cover.....	59.62	21.19
		For Combination Hinged Screw Cover, Add	0.86	
26 05 33 23-0017	EA	4" x 4", Elbow For Surface Mounted Wireway With Screw Cover.....	94.39	21.19
		For Combination Hinged Screw Cover, Add	2.60	
26 05 33 23-0018	EA	4" x 4", Tee For Surface Mounted Wireway With Screw Cover.....	133.85	27.53
		For Combination Hinged Screw Cover, Add	3.94	
26 05 33 23-0019	EA	4" x 4", Cross For Surface Mounted Wireway With Screw Cover.....	154.59	32.18
		For Combination Hinged Screw Cover, Add	4.51	

**26 05 33 23-0020 6" x 6", Wireway With Screw Cover (26 05 33 23-0002)**

26 05 33 23-0021	LF	6" x 6", NEMA 1, Surface Mounted Wireway With Screw Cover.....	45.57	7.42
		For Combination Hinged Screw Cover, Add	1.53	
		For Concrete Or Masonry Surface, Add	0.74	
26 05 33 23-0022	LF	6" x 6", NEMA 3R, Surface Mounted Wireway With Screw Cover.....	88.59	7.42
		For Combination Hinged Screw Cover, Add	3.69	
		For Concrete Or Masonry Surface, Add	0.74	
26 05 33 23-0023	EA	6" x 6", End Plate For Surface Mounted Wireway With Screw Cover.....	20.97	5.94
		For Combination Hinged Screw Cover, Add	0.45	
26 05 33 23-0024	EA	6" x 6", Coupling For Surface Mounted Wireway With Screw Cover.....	33.84	12.38
		For Combination Hinged Screw Cover, Add	0.45	
26 05 33 23-0025	EA	6" x 6", Panel Adapter For Surface Mounted Wireway With Screw Cover.....	84.53	24.65
		For Combination Hinged Screw Cover, Add	1.77	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0026 EA 6" x 6", Elbow For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	121.25 3.60	24.65
26 05 33 23-0027 EA 6" x 6", Tee For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	190.97 6.47	30.79
26 05 33 23-0028 EA 6" x 6", Cross For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	206.86 6.78	35.64
<b>26 05 33 23-0029 8" x 8", Wireway With Screw Cover</b> <small>(26 05 33 23-0002)</small>		
26 05 33 23-0030 LF 8" x 8", NEMA 1, Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	73.74 2.88 0.81	8.12
26 05 33 23-0031 LF 8" x 8", NEMA 3R, Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	135.00 5.94 0.81	8.12
26 05 33 23-0032 EA 8" x 8", End Plate For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	23.10 0.51	6.44
26 05 33 23-0033 EA 8" x 8", Coupling For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	36.97 0.51	13.37
26 05 33 23-0034 EA 8" x 8", Panel Adapter For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	94.35 2.00	27.13
26 05 33 23-0035 EA 8" x 8", Elbow For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	153.98 4.99	27.13
26 05 33 23-0036 EA 8" x 8", Tee For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	229.86 8.15	33.47
26 05 33 23-0037 EA 8" x 8", Cross For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	321.21 12.00	40.60
<b>26 05 33 23-0038 10" x 10", Wireway With Screw Cover</b> <small>(26 05 33 23-0002)</small>		
26 05 33 23-0039 LF 10" x 10", NEMA 1, Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	107.18 4.42 0.94	9.41
26 05 33 23-0040 LF 10" x 10", NEMA 3R, Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	190.07 8.56 0.94	9.41
26 05 33 23-0041 EA 10" x 10", End Plate For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	32.42 0.88	7.42
26 05 33 23-0042 EA 10" x 10", Coupling For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	47.27 0.88	14.85
26 05 33 23-0043 EA 10" x 10", Panel Adapter For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	126.21 3.36	29.50
26 05 33 23-0044 EA 10" x 10", Elbow For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	244.50 9.27	29.50
26 05 33 23-0045 EA 10" x 10", Tee For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	370.17 14.79	37.23
26 05 33 23-0046 EA 10" x 10", Cross For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	528.66 22.23	42.08
<b>26 05 33 23-0047 12" x 12", Wireway With Screw Cover</b> <small>(26 05 33 23-0002)</small>		
26 05 33 23-0048 LF 12" x 12", NEMA 1, Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	125.85 5.15 1.14	11.38
26 05 33 23-0049 LF 12" x 12", NEMA 3R, Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	209.15 9.32 1.14	11.38
26 05 33 23-0050 EA 12" x 12", End Plate For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	42.69 1.34	7.92
26 05 33 23-0051 EA 12" x 12", Coupling For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	58.53 1.34	15.84
26 05 33 23-0052 EA 12" x 12", Panel Adapter For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	165.88 5.08	32.18
26 05 33 23-0053 EA 12" x 12", Elbow For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	322.53 12.91	32.18
26 05 33 23-0054 EA 12" x 12", Tee For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	416.04 16.84	39.60
26 05 33 23-0055 EA 12" x 12", Cross For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	678.87 29.49	44.56
<b>26 05 33 23-0056 Surface Metal Raceways</b> <small>(26 05 33 23-0001)</small> Note: Exposed on flat wall surface.		
<b>26 05 33 23-0057 One Piece Surface Metal Raceways</b> <small>(26 05 33 23-0056)</small> Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).		
<b>26 05 33 23-0058 3/4" x 17/32" One Piece Surface Metal Raceways (Wiremold #500)</b> <small>(26 05 33 23-0057)</small> Note: Available in ivory.		
26 05 33 23-0059 LF 3/4" x 17/32" One Piece Surface Metal Raceway (Wiremold #500)..... <i>For Concrete Or Masonry Surface, Add</i>	4.39 0.15	1.48
26 05 33 23-0060 EA Bushing (Wiremold #502) .....	4.30	1.98
26 05 33 23-0061 EA One Or Two Hole Strap (Wiremold #504).....	4.34	1.98
26 05 33 23-0062 EA Connection Cover (Wiremold #506).....	4.51	1.98
26 05 33 23-0063 EA Flat 90 Degree Elbow (Wiremold #511).....	6.84	2.38
26 05 33 23-0064 EA Flat 45 Degree Elbow (Wiremold #512).....	11.38	2.48
26 05 33 23-0065 EA Adjustable Internal Elbow (Wiremold #517).....	8.53	2.97

**26 Electrical**  
**26 05 Common Work Results for Electrical**  
**26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0066 EA Adjustable External Elbow (Wiremold #518).....	8.34	2.97
<b>26 05 33 23-0067 3/4" x 21/32" One Piece Surface Metal Raceways (Wiremold #700)</b> <small>(26 05 33 23-0057)</small>		
<i>Note: Available in ivory and white.</i>		
26 05 33 23-0068 LF 3/4" x 21/32" One Piece Surface Metal Raceway (Wiremold #700).....	5.52	1.98
<i>For Concrete Or Masonry Surface, Add</i>	0.20	
26 05 33 23-0069 EA Bushing (Wiremold #702).....	4.40	1.98
26 05 33 23-0070 EA One Or Two Hole Strap (Wiremold #704).....	4.54	1.98
26 05 33 23-0071 EA Connection Cover (Wiremold #706).....	4.58	1.98
26 05 33 23-0072 EA Flat 90 Degree Elbow (Wiremold #711).....	10.07	3.96
26 05 33 23-0073 EA Flat 45 Degree Elbow (Wiremold #712).....	15.79	3.96
26 05 33 23-0074 EA Adjustable Internal Elbow (Wiremold #717).....	10.85	3.96
26 05 33 23-0075 EA Adjustable External Elbow (Wiremold #718).....	10.49	3.96
<b>26 05 33 23-0076 One Piece Surface Metal Raceways Fittings (Wiremold #500 And 700 Fittings)</b> <small>(26 05 33 23-0057)</small>		
<i>Note: Available in ivory.</i>		
26 05 33 23-0077 EA 18" Flex Fitting, For #500 Or 700 (Wiremold #5700F).....	29.85	2.97
26 05 33 23-0078 EA Galvanized Coupling For #500 Or 700 (Wiremold #5701).....	4.52	1.98
26 05 33 23-0079 EA Supporting Clip, For #500 Or 700 (Wiremold #5703).....	4.52	1.98
26 05 33 23-0080 EA Ground Clamp (Wiremold #5709).....	13.05	2.97
26 05 33 23-0081 EA Grounding Connector (Wiremold #5709GC).....	11.03	2.97
26 05 33 23-0082 EA L Or R (Left Or Right) Twisted Internal Ell (Wiremold #5711).....	12.55	3.96
26 05 33 23-0083 EA Tee (Wiremold #5715).....	14.13	4.95
26 05 33 23-0084 EA 2-1/2" x 2-3/8" x 2-1/2" Corner Box (Wiremold #5719).....	24.46	3.96
26 05 33 23-0085 EA Utility Box For #500 Or #700 (Wiremold #57242).....	18.84	3.96
26 05 33 23-0086 EA 2-3/8" Diameter, Blank Cover (Wiremold #5731).....	10.14	2.48
26 05 33 23-0087 EA 3" Diameter, Outlet Box (Wiremold #5733).....	23.31	3.96
26 05 33 23-0088 EA 4-3/4" Square x 1-3/8" Deep, Distribution Box (Wiremold #5735).....	23.21	3.96
26 05 33 23-0089 EA 4-3/8" Blank Cover (Wiremold #5736).....	10.74	2.48
26 05 33 23-0090 EA 4-3/4" Diameter, Extension Box/Open Base (Wiremold #5737).....	21.10	3.96
26 05 33 23-0091 EA 5-1/2" Diameter, Extension Box/Open Base (Wiremold #5737A).....	20.36	3.96
26 05 33 23-0092 EA 4-3/4" Diameter, Fixture Box/Solid Base (Wiremold #5738).....	20.54	3.96
26 05 33 23-0093 EA 5-1/2" Diameter, Fixture Box/Solid Base (Wiremold #5738A).....	20.54	3.96
26 05 33 23-0094 EA 5-1/2" Diameter, Fan Box/Solid Base (Wiremold #5738AF).....	23.21	3.96
26 05 33 23-0095 EA 6-3/8" Diameter, Fixture Box/Solid Base (Wiremold #5739).....	22.93	3.96
26 05 33 23-0096 EA 6-3/8" Diameter, Extension Box/Open Base (Wiremold #5739A).....	24.47	3.96
26 05 33 23-0097 EA Standard Switch Box For #500, Or #700 (Wiremold #57240).....	27.63	6.44
26 05 33 23-0098 EA Duplex Receptacle And Box, Ground, For #500 Or #700 (Wiremold #57243G).....	43.74	12.38
26 05 33 23-0099 EA 2-13/16" x 4-5/8" x 1-3/8" Switch And Receptacle Box For Shallow Type Switches (Wiremold #5741).....	20.88	6.44
26 05 33 23-0100 EA 1 Gang, 4-5/8" x 2-7/8" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744).....	33.03	6.44
26 05 33 23-0101 EA 2 Gang, 4-3/4" x 4-3/4" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744-2).....	37.86	6.44
26 05 33 23-0102 EA 3 Gang, 4-5/8" x 6-1/2" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744-3).....	57.48	6.44
26 05 33 23-0103 EA 1 Gang, Signal Box (Wiremold #5744S).....	29.93	5.45
26 05 33 23-0104 EA 2 Gang, Signal Box (Wiremold #5744S-2).....	33.41	5.45
26 05 33 23-0105 EA 3 Gang, Signal Box (Wiremold #5744S-3).....	53.57	5.45
26 05 33 23-0106 EA 4-5/8" x 2-7/8" x 1-3/4" Combination Switch And Receptacle Box With 1/2" KO's (Wiremold #5745).....	21.80	6.44
26 05 33 23-0107 EA 4-5/8" x 2-7/8" x 1-3/8", 1 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747).....	19.17	6.44
26 05 33 23-0108 EA 4-3/4" x 4-3/4" x 1-3/8", 2 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747-2).....	26.96	6.44
26 05 33 23-0109 EA 4-5/8" x 6-1/2" x 2-3/4", 3 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747-3).....	52.46	6.44
26 05 33 23-0110 EA 4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748).....	20.49	6.44
26 05 33 23-0111 EA 4-3/4" x 4-3/4" x 1-3/4", 2 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-2).....	28.54	6.44
26 05 33 23-0112 EA 4-5/8" x 6-1/2" x 1-3/4", 3 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-3).....	50.99	6.44
26 05 33 23-0113 EA 4-5/8" x 8-11/32" x 1-3/4", 4 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-4).....	75.69	6.44
26 05 33 23-0114 EA 4-5/8" x 10-5/32" x 1-3/4", 5 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-5).....	124.80	6.44
26 05 33 23-0115 EA 4-5/8" x 11-31/32" x 1-3/4", 6 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-6).....	126.99	6.44
26 05 33 23-0116 EA 4-3/8" x 2-7/8" x 15/16" Shallow Switch And Receptacle Box For Shallow Duplex Devices (Wiremold #5748-S).....	20.24	6.44
26 05 33 23-0117 EA 4-5/8" x 2-7/8" x 15/16", 1 Gang, Flush-Type Extension Adapter (Wiremold #5751).....	19.68	6.44
26 05 33 23-0118 EA 4-3/4" x 4-3/4" x 15/16", 2 Gang, Flush-Type Extension Adapter (Wiremold #5751-2).....	26.17	6.44
26 05 33 23-0119 EA 4-5/8" x 6-1/2" x 15/16", 3 Gang, Flush-Type Extension Adapter (Wiremold #5751-3).....	51.49	6.44
26 05 33 23-0120 EA 4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Deep Flush-Type Extension Adapter (Wiremold #5751A).....	21.27	6.44
26 05 33 23-0121 EA 4-11/16" x 4-11/16" x 1-3/8", 2 Gang, Alarm Device Box (Wiremold #5752).....	27.54	6.44
26 05 33 23-0122 EA 4-11/16" x 4-11/16" x 2-3/4", 2 Gang, Extra Deep Alarm Device Box (Wiremold #5753).....	39.68	6.44
26 05 33 23-0123 EA Blank Extension Box (Wiremold #5760).....	13.79	2.48
26 05 33 23-0124 EA 1/2" Special Nipple (Wiremold #5780).....	13.13	2.48
26 05 33 23-0125 EA 1/2" Box Connector (Wiremold #5781).....	8.73	2.48
26 05 33 23-0126 EA 3/4" Box Connector (Wiremold #5781A).....	16.48	2.97
26 05 33 23-0127 EA 1/2" Conduit Connector (Wiremold #5782).....	8.81	2.48
26 05 33 23-0128 EA 3/4" Conduit Connector (Wiremold #5782A).....	20.65	2.97
26 05 33 23-0129 EA 1/2" Elbow Conduit Connector (Wiremold #5784).....	18.50	2.97
26 05 33 23-0130 EA Combination Connector, To Any 3-1/4" Or 4" Outlet Box (Wiremold #5785).....	10.29	2.97
26 05 33 23-0131 EA Offset Connector (Wiremold #5786).....	17.17	2.97
26 05 33 23-0132 EA Armor Cable Connector (Wiremold #5790B).....	8.95	2.48
26 05 33 23-0133 EA 1/2" Electrical Metallic Tubing (EMT) Connector, For #500 Or 700 (Wiremold #5791).....	7.92	1.98
<b>26 05 33 23-0134 1-9/16" x 11/32" One Piece Surface Metal Raceways (Wiremold #1500)</b> <small>(26 05 33 23-0057)</small>		
<i>Note: Galvanized finish.</i>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 23-0135	LF		1-9/16" x 11/32" One Piece Surface Metal Raceway (Wiremold #1500-10) ..... <i>For Concrete Or Masonry Surface, Add</i>	7.97 0.25	2.48
26 05 33 23-0136	EA		Wire Clip (Wiremold #1500WC).....	4.96	1.98
26 05 33 23-0137	EA		Bushing (Wiremold #1502).....	5.88	2.48
26 05 33 23-0138	EA		2-Hole Strap (Wiremold #1504).....	6.64	2.97
26 05 33 23-0139	EA		Flat Elbow (Wiremold #1511).....	25.73	9.41
26 05 33 23-0140	EA		Internal Elbow (Wiremold #1517).....	26.59	9.41
26 05 33 23-0141	EA		Adapter Fitting (Wiremold #1517B).....	28.59	9.41
26 05 33 23-0142	EA		External Elbow (Wiremold #1518).....	28.42	9.41
26 05 33 23-0143	EA		Utility Box (Wiremold #1528).....	25.67	6.44
26 05 33 23-0144	EA		Junction Box (Wiremold #1542D).....	26.47	6.44
26 05 33 23-0145	EA		Duplex Receptacle (Wiremold #1543GL).....	51.88	12.38
26 05 33 23-0146	EA		Single Receptacle Box (Wiremold #1546A).....	27.26	6.44
26 05 33 23-0147	EA		Duplex Receptacle Box (Wiremold #1546B).....	33.35	6.44
26 05 33 23-0148	EA		Telephone Box (Wiremold #1546T).....	32.72	6.44
26 05 33 23-0149	EA		Combination Connection (Wiremold #1585).....	15.81	2.97

**26 05 33 23-0150**    **2-7/32" x 28/32" One Piece Surface Metal Raceways (Wiremold #2600)** (26 05 33 23-0057)  
 Note: Galvanized finish.

26 05 33 23-0151	LF		2-7/32" x 28/32" One Piece Surface Metal Raceway (Wiremold #2600-10) ..... <i>For Concrete Or Masonry Surface, Add</i>	13.72 0.45	4.45
26 05 33 23-0152	EA		Wire Clip (Wiremold #2600WC).....	5.11	1.98
26 05 33 23-0153	EA		Fiber Bushing (Wiremold #2602).....	5.76	1.98
26 05 33 23-0154	EA		2-5/8", 90 Degree Flat Elbow (Wiremold #2611).....	21.28	3.47
26 05 33 23-0155	EA		5" Diameter, Junction Box (Wiremold #2642D).....	31.90	4.95
26 05 33 23-0156	EA		Service Fitting (Wiremold #2686FO).....	31.07	5.94

**26 05 33 23-0157**    **Two Piece Surface Metal Raceways** (26 05 33 23-0056)  
 Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).

**26 05 33 23-0158**    **1-9/32" x 3/4" Two Piece Surface Metal Raceways (Wiremold #2000)** (26 05 33 23-0157)

26 05 33 23-0159	LF		1-9/32" x 3/4" Two Piece Surface Metal Raceway Base And Cover (Wiremold #2000BC) ..... <i>For Concrete Or Masonry Surface, Add</i>	7.90 0.25	2.48
26 05 33 23-0160	EA		Wire Clip (Wiremold #2000WC).....	3.73	1.98
26 05 33 23-0161	EA		Coupling (Wiremold #2001).....	9.87	2.48
26 05 33 23-0162	EA		Supporting Clip (Wiremold #2003).....	4.90	1.48
26 05 33 23-0163	EA		Cover Clip (Wiremold #2006).....	4.53	1.48
26 05 33 23-0164	EA		Ground Clamp (Wiremold #2009).....	12.01	2.48
26 05 33 23-0165	EA		Entrance End Fitting (Wiremold #2010A2).....	23.30	7.42
26 05 33 23-0166	EA		Entrance End Fitting (Wiremold #2010A3).....	40.35	9.90
26 05 33 23-0167	EA		Blank End Fitting (Wiremold #2010B).....	6.08	2.48
26 05 33 23-0168	EA		Flat 90 Degree Elbow (Wiremold #2011).....	20.02	6.44
26 05 33 23-0169	EA		Tee (Wiremold #2015).....	37.18	9.31
26 05 33 23-0170	EA		Internal Corner Coupling (Wiremold #2017TC).....	12.68	4.95
26 05 33 23-0171	EA		Single Gang Device Box (Wiremold #2048).....	30.48	8.81
26 05 33 23-0172	EA		2-Gang device Box (Wiremold #2048-2).....	48.83	9.80
26 05 33 23-0173	EA		Flush Plate Adapter (Wiremold #2051H).....	32.98	9.80
26 05 33 23-0174	EA		Side Reducing Connector (Wiremold #2089).....	27.78	4.95
26 05 33 23-0175	EA		#2089E End Reducing Connector.....	11.38	2.48

**26 05 33 23-0176**    **1-7/8" x 7/8" Two Piece Surface Metal Raceways (Wiremold #2400)** (26 05 33 23-0157)  
 Note: Available in gray enamel (G) or ivory (V).

26 05 33 23-0177	LF		1-7/8" x 7/8" Two Piece Surface Metal Raceway Base (Wiremold #2400B)..... <i>For Concrete Or Masonry Surface, Add</i>	6.63 0.25	2.48
26 05 33 23-0178	LF		1-7/8" x 7/8" Divided Two Piece Surface Metal Raceway Base (Wiremold #2400BD) ..... <i>For Concrete Or Masonry Surface, Add</i>	7.30 0.25	2.48
26 05 33 23-0179	LF		Raceway Cover (Wiremold #2400C).....	2.71	0.49
26 05 33 23-0180	EA		Wire Clip (Wiremold #2400WC).....	3.71	1.98
26 05 33 23-0181	EA		Coupling (Wiremold #2401).....	9.76	2.48
26 05 33 23-0182	EA		Divided Raceway Coupling (Wiremold #2401D).....	8.17	2.48
26 05 33 23-0183	EA		Cover Clip (Wiremold #2406).....	4.51	1.48
26 05 33 23-0184	EA		Device Bracket Frame (Wiremold #2407-2CM).....	34.08	7.42
26 05 33 23-0185	EA		Device Bracket Frame (Wiremold #2407-2TJ).....	32.61	7.42
26 05 33 23-0186	EA		Ground Clamp (Wiremold #2409).....	8.98	1.98
26 05 33 23-0187	EA		End Fitting (Wiremold #2410A).....	22.04	7.42
26 05 33 23-0188	EA		Blank End (Wiremold #2410B).....	6.11	2.48
26 05 33 23-0189	EA		Divided Blank End Fitting (Wiremold #2410BD).....	6.19	2.48
26 05 33 23-0190	EA		Entrance End Fitting (Wiremold #2410C).....	33.94	7.42
26 05 33 23-0191	EA		Divided Entrance End Fitting (Wiremold #2410D).....	32.51	7.42
26 05 33 23-0192	EA		Divided Entrance End Fitting (Wiremold #2410DFO).....	53.83	7.42
26 05 33 23-0193	EA		Full Cap Entrance End Fitting (Wiremold #2410FC).....	41.05	7.42
26 05 33 23-0194	EA		Divided Flat 90 Degree Elbow (Wiremold #2411D).....	24.81	7.42
26 05 33 23-0195	EA		Radiused Divided Flat 90 Degree Elbow (Wiremold #2411DFO).....	40.26	7.42
26 05 33 23-0196	EA		Radiused Flat 90 Degree Elbow (Wiremold #2411FO).....	35.97	7.33
26 05 33 23-0197	EA		Flat 90 Degree Elbow (Wiremold #2411M).....	23.61	7.42
26 05 33 23-0198	EA		Radiused Divided Tee (Wiremold #2415DFO).....	43.26	7.33
26 05 33 23-0199	EA		Radiused Tee (Wiremold #2415FO).....	41.09	7.33
26 05 33 23-0200	EA		Tee (Wiremold #2415M).....	28.16	7.33
26 05 33 23-0201	EA		Divided Internal Coupling (Wiremold #2417D).....	23.35	7.33
26 05 33 23-0202	EA		Radiused Divided Internal Coupling (Wiremold #2417DFO).....	37.17	7.33

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 05 33 23-0203	EA	Radiused Internal Coupling (Wiremold #2417FO)	36.04	7.33
26 05 33 23-0204	EA	Radiused Divided External Coupling (Wiremold #2418DFO)	40.48	7.33
26 05 33 23-0205	EA	Radiused External Coupling (Wiremold #2418FO)	39.81	7.33
26 05 33 23-0206	EA	Internal Coupling (Wiremold #2417M)	22.59	7.33
26 05 33 23-0207	EA	External Coupling (Wiremold #2418M)	27.67	7.33
26 05 33 23-0208	EA	1 Gang, Extra Deep Switch And Receptacle (Wiremold #2444)	36.86	6.44
26 05 33 23-0209	EA	2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #2444-2)	41.00	6.44
26 05 33 23-0210	EA	Over Raceway, Extra Deep Switch And Receptacle Box, 2 Gang (Wiremold #2444-2LS)	41.22	6.44
26 05 33 23-0211	EA	Divided, 1 Gang, Extra Deep Switch And Receptacle (Wiremold #2444D)	39.47	6.44
26 05 33 23-0212	EA	Divided, 2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #2444D-2A)	56.04	6.44
26 05 33 23-0213	EA	Divided, Over Raceway, 2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #2444D-2N)	49.23	6.44
26 05 33 23-0214	EA	4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Switch And Receptacle Box For Shallow Devices (Wiremold #2448)	25.57	6.44
26 05 33 23-0215	EA	4-3/4" x 4-3/4" x 1-3/4", 2 Gang, Switch And Receptacle Box For Shallow Devices (Wiremold #2448-2)	40.08	6.44
26 05 33 23-0216	EA	Device Bracket Type Adapter Plate (Wiremold #2450)	12.24	2.48
26 05 33 23-0217	EA	4-1/2" x 4-1/2" Back Feed Fitting (Wiremold #2451H)	28.84	7.42
26 05 33 23-0218	EA	Bridge Fitting For 2400/700/500 (Wiremold #2475D)	87.77	7.42
26 05 33 23-0219	EA	Side Reducing Connector (Wiremold #2489)	25.31	3.96

**26 05 33 23-0220 2-3/4" x 1-17/32" Two Piece Surface Metal Raceways (Wiremold #3000)** (26 05

33 23-0157)

Note: Available in gray enamel (G) or ivory (V).

26 05 33 23-0221	LF	2-3/4" x 1-17/32" Two Piece Surface Metal Raceway Base (Wiremold #3000B)	12.69	4.45
		<i>For Concrete Or Masonry Surface, Add</i>	0.45	
26 05 33 23-0222	LF	Raceway Cover (Wiremold #3000CE)	2.96	0.49
26 05 33 23-0223	EA	Wire Clips For Conductors (Wiremold #3000WC)	4.83	1.98
26 05 33 23-0224	EA	Couplings (Wiremold #3001)	12.55	1.98
26 05 33 23-0225	EA	Rigid Inside Coupling (Wiremold #3001A)	12.21	2.48
26 05 33 23-0226	EA	Supporting Clip (Wiremold #3003)	9.07	2.48
26 05 33 23-0227	EA	Clip Cover (Wiremold #3006E)	5.27	1.98
26 05 33 23-0228	EA	Device Brackets (Wiremold #3007C)	13.51	3.96
26 05 33 23-0229	EA	C-Hanger (Wiremold #3008C)	13.33	2.97
26 05 33 23-0230	EA	Entrance End Fitting For Connecting To 1/2" Conduit Or Armored Connectors (Wiremold #3010AE)	31.33	9.41
26 05 33 23-0231	EA	Blank End Fittings (Wiremold #3010B)	11.52	3.96
26 05 33 23-0232	EA	Entrance End Fitting For Connecting To Rigid Or Flexible Conduit (Wiremold #3010C)	34.59	9.41
26 05 33 23-0233	EA	Flat 90 Degree Elbow (Wiremold #3011E)	51.78	12.27
26 05 33 23-0234	EA	Wall Box Connector (Wiremold #3014C)	37.34	12.38
26 05 33 23-0235	EA	Tee Fitting (Wiremold #3015E)	71.02	15.34
26 05 33 23-0236	EA	Internal Corner Coupling (Wiremold #3017TCE)	33.82	9.41
26 05 33 23-0237	EA	External Corner (Wiremold #3018AE)	41.49	9.41
26 05 33 23-0238	EA	Single Receptacle Cover With Face Diameters Of 1.38"-1.4" (Wiremold #3027AE)	29.90	9.41
26 05 33 23-0239	EA	Utility Box (Wiremold #3028)	49.97	9.41
26 05 33 23-0240	EA	Single Receptacle Cover With Face Diameters Of 1.56"-1.57" (Wiremold #3033JE)	16.07	2.48
26 05 33 23-0241	EA	Blank Cover (Wiremold #3036HE)	17.55	2.48
26 05 33 23-0242	EA	Switch Cover (Wiremold #3040CE)	16.03	2.48
26 05 33 23-0243	EA	Duplex Receptacle Cover (Wiremold #3043BE)	18.19	2.97
26 05 33 23-0244	EA	15 Amperes, 125 Volt Duplex Grounding Receptacle And Cover (Wiremold #3043GE)	48.20	12.87
26 05 33 23-0245	EA	2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #3044-2)	56.14	9.41
26 05 33 23-0246	EA	Duplex Receptacle Cover (Wiremold #3046BE)	16.19	2.97
26 05 33 23-0247	EA	Tap Off Fitting (Wiremold #3046H-2)	17.83	2.48
26 05 33 23-0248	EA	1-15/16" Deep x 6" Long, Circuit Breaker Housing (Wiremold #3046KD)	70.19	5.94
26 05 33 23-0249	EA	2-3/4" Deep x 7-3/8" Long, Circuit Breaker Housing (Wiremold #3046KTSQ)	171.03	5.94
26 05 33 23-0250	EA	1-13/16" Deep x 7-3/8" Long, Circuit Breaker Housing (Wiremold #3046QOU)	61.15	5.94
26 05 33 23-0251	EA	1-13/16" Deep x 7-15/16" Long x 2-13/16" Wide, Bump Up Device Plate Cover (Wiremold #3046S)	66.16	5.94
26 05 33 23-0252	EA	1-13/32" Deep x 7-15/16" Long x 2-13/16" Wide, Bump Up Device Plate Cover (Wiremold #3046U)	66.16	5.94
26 05 33 23-0253	EA	Rectangular Receptacle Cover (Wiremold #3048R)	21.07	2.97

**26 05 33 23-0254 4-3/4" x 1-3/4" Two Piece Surface Metal Raceways (Wiremold #4000)** (26 05 33

23-0157)

Note: Available in gray enamel (G) or ivory (V).

26 05 33 23-0255	LF	4-3/4" x 1-3/4" Two Piece Surface Metal Raceway Base (Wiremold #4000B-10)	15.32	4.45
		<i>For Concrete Or Masonry Surface, Add</i>	0.48	
26 05 33 23-0256	LF	Raceway Cover (Wiremold #4000C)	5.29	0.49
26 05 33 23-0257	LF	Divider (Wiremold #4000D)	2.61	0.49
26 05 33 23-0258	EA	Wire Clips For Conductors (Wiremold #4000WC)	5.82	2.48
26 05 33 23-0259	EA	Couplings (Wiremold #4001A)	15.22	2.97
26 05 33 23-0260	EA	Divider Clip (Wiremold #4001D)	7.30	2.97
26 05 33 23-0261	EA	Seam Clip (Wiremold #4006)	7.42	2.97
26 05 33 23-0262	EA	Single Device Fitting (Wiremold #4007C-1R)	29.84	6.44
26 05 33 23-0263	EA	Blank End Fittings (Wiremold #4010B)	16.06	3.96
26 05 33 23-0264	EA	Entrance End Fitting (Wiremold #4010DFO)	61.68	15.24
26 05 33 23-0265	EA	Flat 90 Degree Elbow (Wiremold #4011)	57.08	12.38
26 05 33 23-0266	EA	Radiused Flat 90 Degree Elbow (Wiremold #4011FO)	67.11	12.38
26 05 33 23-0267	EA	Internal Or External 45 Degree Elbow (Wiremold #4012TX)	62.43	15.34
26 05 33 23-0268	EA	Wall Box Connector (Wiremold #4014A)	82.48	15.34
26 05 33 23-0269	EA	Tee Fitting (Wiremold #4015)	91.29	15.34
26 05 33 23-0270	EA	Divided Tee Fitting (Wiremold #4015D)	94.83	15.34
26 05 33 23-0271	EA	Radiused Full Capacity Divided Tee Fitting (Wiremold #4015DFO)	112.83	15.34
26 05 33 23-0272	EA	Radiused Tee Fitting (Wiremold #4015FO)	113.17	15.34
26 05 33 23-0273	EA	Internal Elbow (Wiremold #4017)	51.13	15.34
26 05 33 23-0274	EA	Internal Elbow (Wiremold #4017FO)	89.73	15.34
26 05 33 23-0275	EA	Inverted Internal Elbow (Wiremold #4017N)	56.44	15.34
26 05 33 23-0276	EA	Internal Corner Coupling (Wiremold #4017TCA)	48.33	15.34
26 05 33 23-0277	EA	External Elbow (Wiremold #4018)	75.25	15.34
26 05 33 23-0278	EA	Radiused External Elbow (Wiremold #4018FO)	86.98	15.34

MINOR	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 23-0279	EA Single Locking Receptacle And Two RJ11/45 Modulaular Connectors Outlet Cover (Wiremold #4046ARJ) .....	72.67	6.44
26 05 33 23-0280	EA Double Duplex Receptacle Outlet Cover (Wiremold #4046B-2) .....	77.01	6.44
26 05 33 23-0281	EA Duplex Receptacle And Two RJ11/45 Modular Connector Cover (Wiremold #4046DRJ) .....	77.01	6.44
26 05 33 23-0282	EA Double Duplex Receptacle And Four RJ11/45 Modular Connector Cover (Wiremold #4046DRJ-2) .....	102.67	6.44
26 05 33 23-0283	EA Tap-Off Fitting (Wiremold #4046H-2) .....	22.23	6.44
26 05 33 23-0284	EA Combination Single Receptacle And Phone Outlet Center (Wiremold #4046JRJ) .....	65.74	2.97
26 05 33 23-0285	EA Rectangular Receptacle And Two RJ11/45 Modular Connector Cover (Wiremold #4046RRJ) .....	78.80	6.44
26 05 33 23-0286	EA 1 Gang Device Plate (Wiremold #G4047C-1) .....	21.87	6.44
26 05 33 23-0287	EA 2 Gang Device Plate (Wiremold #G4047C-2) .....	25.41	6.44
26 05 33 23-0288	EA Device Mounting Bracket (Wiremold #4050) .....	24.72	4.95
26 05 33 23-0289	EA #4000 To #3000 Take-off Connector (Wiremold #4074A) .....	114.53	15.34
26 05 33 23-0290	EA Bridge Fitting (Wiremold #4075D) .....	103.41	15.34
26 05 33 23-0291	EA Bridge Fitting (Wiremold #4075DA) .....	103.41	15.34
26 05 33 23-0292	EA Panel Connector (Wiremold #4086A) .....	85.46	29.20
26 05 33 23-0293	EA Reducing Connector Fitting (Wiremold #4089) .....	52.24	15.34

**26 05 33 23-0294 4-3/4" x 3-9/16" Two Piece Surface Metal Raceways (Wiremold #6000) (26 05 33 23-0157)**

Note: Available in gray enamel (G) or ivory (V).

26 05 33 23-0295	LF 4-3/4" x 3-9/16" Two Piece Surface Metal Raceway Base (Wiremold #6000B-10) .....	22.09	5.45
	<i>For Concrete Or Masonry Surface, Add</i>	<i>0.54</i>	
26 05 33 23-0296	LF Raceway Cover (Wiremold #6000C) .....	6.31	1.48
26 05 33 23-0297	LF Divider (Wiremold #6000DA) .....	6.59	1.48
26 05 33 23-0298	EA Wire Clips For Conductors (Wiremold #6000WC) .....	6.68	2.48
26 05 33 23-0299	EA Couplings (Wiremold #6001A) .....	18.68	4.95
26 05 33 23-0300	EA Divider Clip (Wiremold #6001D) .....	8.60	2.48
26 05 33 23-0301	EA Converter Coupling (Wiremold #6001TX) .....	23.78	6.44
26 05 33 23-0302	EA Connection Cover (Wiremold #6006) .....	22.62	6.44
26 05 33 23-0303	EA Single Gang Device Plate (Wiremold #6007C-1) .....	23.68	6.44
26 05 33 23-0304	EA Two Gang Device Plate (Wiremold #6007C-2) .....	25.83	6.44
26 05 33 23-0305	EA C-Hanger (Wiremold #6008A) .....	37.55	9.41
26 05 33 23-0306	EA Blank End Fittings (Wiremold #6010B) .....	41.17	14.85
26 05 33 23-0307	EA Combination Flat Elbow (Wiremold #6011TX) .....	75.42	14.85
26 05 33 23-0308	EA Internal-External 45 Degree Elbow (Wiremold #6012TX) .....	76.59	14.26
26 05 33 23-0309	EA Connector Fitting (Wiremold #6014A) .....	108.57	15.34
26 05 33 23-0310	EA Combination Internal-External Elbow (Wiremold #6017TX) .....	78.34	16.83
26 05 33 23-0311	EA Circuit Breaker Housing (Wiremold #6046KD) .....	134.71	16.83
26 05 33 23-0312	EA #6000 To #6000 Take-off Connector (Wiremold #6074) .....	129.80	14.85
26 05 33 23-0313	EA #6000 To #4000 Take-off Connector (Wiremold #6074A) .....	140.26	14.85
26 05 33 23-0314	EA Panel Connector (Wiremold #6086) .....	88.62	34.46

**26 05 33 23-0315 Two Piece Surface Aluminum Raceways (26 05 33 23-0056)**

Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).

**26 05 33 23-0316 1-7/16" x 1-1/8" Two Piece Surface Aluminum Raceways (Wiremold #AL2000) (26 05 33 23-0315)**

26 05 33 23-0317	LF 1-7/16" x 1-1/8" Two Piece Surface Aluminum Raceway Base (Wiremold #AL2000B) .....	10.01	2.48
	<i>For Concrete Or Masonry Surface, Add</i>	<i>0.25</i>	
26 05 33 23-0318	LF Aluminum Raceway Cover (Wiremold #AL2000C) .....	5.01	0.49
26 05 33 23-0319	EA Wire Clip (Wiremold #AL2000WC) .....	4.86	1.98
26 05 33 23-0320	EA Coupling (Wiremold #AL2001) .....	10.70	2.48
26 05 33 23-0321	EA Supporting Clip (Wiremold #AL2003) .....	5.25	1.48
26 05 33 23-0322	EA Cover Clip (Wiremold #AL2006) .....	6.67	1.48
26 05 33 23-0323	EA Ground Clamp (Wiremold #AL2009) .....	9.54	2.48
26 05 33 23-0324	EA Entrance End Fitting (Wiremold #AL2010A) .....	26.64	7.42
26 05 33 23-0325	EA Blank End Fitting (Wiremold #AL2010B) .....	8.61	2.48
26 05 33 23-0326	EA Flat 90 Degree Elbow (Wiremold #AL2011) .....	30.92	6.44
26 05 33 23-0327	EA Tee (Wiremold #AL2015) .....	41.92	9.31
26 05 33 23-0328	EA Internal Corner Elbow (Wiremold #AL2017) .....	28.00	4.95
26 05 33 23-0329	EA External Corner Elbow (Wiremold #AL2018) .....	27.94	4.95
26 05 33 23-0330	EA 2 To 15 Amperes, In-Line Receptacle (Wiremold #AL2043) .....	45.67	9.80
26 05 33 23-0331	EA 4-13/16" Round Fixture Box (Wiremold #AL2038) .....	106.03	8.81
26 05 33 23-0332	EA 4-1/2" x 3" x 2-1/4" D Box (Wiremold #AL2044) .....	47.06	8.81
26 05 33 23-0333	EA 4-5/8" x 4-7/8" x 2-1/2" D Box (Wiremold #AL2044-2) .....	97.61	9.80
26 05 33 23-0334	EA Single Gang Shallow Device Box (Wiremold #AL2047) .....	48.74	8.81
26 05 33 23-0335	EA 2-Gang Shallow Device Box (Wiremold #AL2047-2) .....	86.27	9.80
26 05 33 23-0336	EA Flush Plate Adapter (Wiremold #AL2051H) .....	36.87	9.80

**26 05 33 23-0337 2" x 1-9/32" Two Piece Surface Aluminum Raceways (Wiremold #AL2400) (26 05 33 23-0315)**

26 05 33 23-0338	LF 2" x 1-9/32" Two Piece Surface Aluminum Raceway Base (Wiremold #AL2400B) .....	11.30	2.48
	<i>For Concrete Or Masonry Surface, Add</i>	<i>0.25</i>	
26 05 33 23-0339	LF Aluminum Raceway Cover (Wiremold #AL2400C) .....	5.22	0.49
26 05 33 23-0340	EA Wire Clip (Wiremold #AL2400WC) .....	6.69	1.98
26 05 33 23-0341	EA Coupling (Wiremold #AL2401) .....	12.44	2.48
26 05 33 23-0342	EA Cover Clip (Wiremold #AL2406) .....	8.73	1.48
26 05 33 23-0343	EA Ground Clamp (Wiremold #AL2409) .....	7.67	1.98
26 05 33 23-0344	EA Blank End (Wiremold #AL2410B) .....	9.60	2.48
26 05 33 23-0345	EA End Fitting (Wiremold #AL2410B2) .....	20.48	7.42
26 05 33 23-0346	EA Flat 90 Degree Elbow (Wiremold #AL2411) .....	37.63	7.42
26 05 33 23-0347	EA Tee (Wiremold #AL2415) .....	41.07	7.33
26 05 33 23-0348	EA Fourway Fitting (Wiremold #AL2416) .....	48.29	7.33
26 05 33 23-0349	EA Internal Coupling (Wiremold #AL2417) .....	37.49	7.33

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 05 33 23-0350	EA	External Coupling (Wiremold #AL2418).....	40.40	7.33
26 05 33 23-0351	EA	4-1/2" x 4-1/2" Back Feed Fitting (Wiremold #AL2451H).....	33.54	7.42
<b>26 05 33 23-0352</b>		<b>2-7/8" x 1-7/8" Two Piece Surface Aluminum Raceways (Wiremold #AL3300) <sup>(26 05 33 23-0315)</sup></b>		
26 05 33 23-0353	LF	2-7/8" x 1-7/8" Two Piece Surface Aluminum Raceway Base (Wiremold #AL3300B).....	19.20	4.45
		<i>For Concrete Or Masonry Surface, Add</i>	0.45	
26 05 33 23-0354	LF	Aluminum Raceway Cover (Wiremold #AL3300CE).....	5.66	0.49
26 05 33 23-0355	LF	Raceway Divider (Wiremold #AL3300D).....	4.67	4.45
26 05 33 23-0356	EA	Wire Clips For Conductors (Wiremold #AL3300WC).....	9.12	1.98
26 05 33 23-0357	EA	Couplings (Wiremold #AL3301).....	16.59	1.98
26 05 33 23-0358	EA	Divider Coupling (Wiremold #AL3301D).....	13.80	2.48
26 05 33 23-0359	EA	Ground Clamp (Wiremold #AL3309).....	9.27	1.98
26 05 33 23-0360	EA	Blank End Fittings (Wiremold #AL3310B).....	19.30	3.96
26 05 33 23-0361	EA	End Fitting (Wiremold #AL3310B1).....	31.34	9.41
26 05 33 23-0362	EA	Flat 90 Degree Elbow (Wiremold #AL3311).....	95.38	12.27
		Note: Includes two (2) AL3301 couplings.		
26 05 33 23-0363	EA	Tee Fitting (Wiremold #AL3315).....	109.41	15.34
		Note: Includes three (3) AL3301 couplings.		
26 05 33 23-0364	EA	Cross Fitting (Wiremold #AL3316).....	123.75	15.34
		Note: Includes four (4) AL3301 couplings.		
26 05 33 23-0365	EA	Internal Elbow (Wiremold #AL3317).....	89.38	9.41
		Note: Includes two (2) AL3301 couplings.		
26 05 33 23-0366	EA	External Elbow (Wiremold #AL3318).....	89.48	9.41
		Note: Includes two (2) AL3301 couplings.		
26 05 33 23-0367	EA	Duplex Receptacle Cover (Wiremold #AL3346D).....	19.83	2.97
26 05 33 23-0368	EA	Single Receptacle Cover (Wiremold #AL3346E).....	19.70	2.97
26 05 33 23-0369	EA	GFCl/ Surge Receptacle Cover (Wiremold #AL3346G).....	19.49	2.97
26 05 33 23-0370	EA	Single Device Cover Plate (Wiremold #AL3356R).....	19.51	2.48
<b>26 05 33 23-0371</b>		<b>5" x 2" Two Piece Surface Aluminum Raceways (Wiremold #AL5200) <sup>(26 05 33 23-0315)</sup></b>		
26 05 33 23-0372	LF	5" x 2" Two Piece Surface Aluminum Raceway Base (Wiremold #AL5200B-10).....	25.15	4.45
		<i>For Concrete Or Masonry Surface, Add</i>	0.48	
26 05 33 23-0373	LF	Aluminum Raceway Cover (Wiremold #AL5200C).....	10.55	0.49
26 05 33 23-0374	LF	Divider (Wiremold #AL5200D).....	6.15	0.49
26 05 33 23-0375	EA	Wire Clips For Conductors (Wiremold #AL5200WC).....	8.34	2.48
26 05 33 23-0376	EA	Wire Clips For Conductors (Wiremold #AL5200WC2).....	6.95	2.48
26 05 33 23-0377	EA	Wire Clips For Conductors (Wiremold #AL5200WC3).....	6.90	2.48
26 05 33 23-0378	EA	Couplings (Wiremold #AL5201).....	16.00	2.97
26 05 33 23-0379	EA	Cover Clip (Wiremold #AL5206).....	14.37	2.97
26 05 33 23-0380	EA	Ground Adapter (Wiremold #AL5209).....	17.75	2.97
26 05 33 23-0381	EA	Blank End Fittings (Wiremold #AL5210B).....	18.87	3.96
26 05 33 23-0382	EA	Blank End Fittings (Wiremold #AL5210B1).....	20.31	3.96
26 05 33 23-0383	EA	Blank End Fittings (Wiremold #AL5210B2).....	20.63	3.96
26 05 33 23-0384	EA	Blank End Fittings (Wiremold #AL5210B3).....	19.98	3.96
26 05 33 23-0385	EA	Flat 90 Degree Elbow (Wiremold #AL5211).....	106.01	12.38
		Note: Includes two (2) pairs of AL5201 couplings.		
26 05 33 23-0386	EA	Wall Box Connector (Wiremold #AL5214).....	82.26	15.34
26 05 33 23-0387	EA	Tee Fitting (Wiremold #AL5215).....	123.88	15.34
		Note: Includes three (3) pairs of AL5201 couplings.		
26 05 33 23-0388	EA	Four Way Fitting (Wiremold #AL5216).....	136.20	15.34
		Note: Includes four (4) pairs of AL5201 couplings.		
26 05 33 23-0389	EA	Internal Elbow (Wiremold #AL5217).....	109.55	15.34
		Note: Includes two (2) pairs of AL5201 couplings.		
26 05 33 23-0390	EA	Internal Corner Coupling (Wiremold #AL5217A).....	44.71	15.34
26 05 33 23-0391	EA	Inverted Internal Elbow (Wiremold #AL5217N).....	112.68	15.34
26 05 33 23-0392	EA	External Elbow (Wiremold #AL5218).....	110.52	15.34
		Note: Includes two (2) pairs of AL5201 couplings.		
26 05 33 23-0393	EA	Blank Device Cover Plate (Wiremold #AL5246B).....	23.76	2.97
26 05 33 23-0394	EA	Receptacle Device Cover Plate (Wiremold #AL5246D).....	28.26	2.97
26 05 33 23-0395	EA	Double Receptacle Device Cover Plate (Wiremold #AL5246DD).....	33.65	2.97
26 05 33 23-0396	EA	Device Cover Plate (Wiremold #AL5246F).....	31.53	2.97
26 05 33 23-0397	EA	Device Cover Plate (Wiremold #AL5246G).....	29.06	2.97
26 05 33 23-0398	EA	Offset Divider (Wiremold #AL5260).....	26.80	6.44
<b>26 05 33 23-0399</b>		<b>3" x 2-1/4" Two Piece Surface Aluminum Raceways (Wiremold #ALA3800) <sup>(26 05 33 23-0315)</sup></b>		
26 05 33 23-0400	LF	Single Channel, 3" x 2-1/4" Two Piece Surface Aluminum Raceway Base (Wiremold #ALA3800B-10).....	20.23	4.45
26 05 33 23-0401	EA	Cover Clip (Wiremold #ALA3806).....	9.77	2.97
26 05 33 23-0402	EA	Blank End Fittings (Wiremold #ALA3810B).....	16.95	3.96
26 05 33 23-0403	EA	Entrance End Cap Fittings (Wiremold #ALA3810B1).....	18.17	3.96
26 05 33 23-0404	EA	Flat 90 Degree Elbow (Wiremold #ALA3811).....	91.90	12.38
		Note: Includes two (2) ALA01 couplings.		
26 05 33 23-0405	EA	Flat Tee Fitting (Wiremold #ALA3815).....	95.21	15.34
		Note: Includes three (3) ALA01 couplings.		
26 05 33 23-0406	EA	Internal Elbow (Wiremold #ALA3817).....	92.89	15.34
		Note: Includes two (2) ALA01 couplings.		
26 05 33 23-0407	EA	Inverted Internal Elbow (Wiremold #ALA3817N).....	108.93	15.34
		Note: Includes two (2) ALA01 couplings.		
26 05 33 23-0408	EA	External Elbow (Wiremold #ALA3818).....	94.08	15.34
		Note: Includes two (2) ALA01 couplings.		

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 23-0409	<b>6" x 2-1/4" Two Piece Surface Aluminum Raceways (Wiremold #ALA4800)</b> <small>(26 05 33 23-0315)</small>		
26 05 33 23-0410	LF Two Channel, 6" x 2-1/4" Two Piece Surface Aluminum Raceway Base (Wiremold #ALA4800B-10).....	33.95	4.45
26 05 33 23-0411	EA Cover Clip (Wiremold #ALA4806).....	14.60	2.97
26 05 33 23-0412	EA Blank End Fittings (Wiremold #ALA4810B).....	19.11	3.96
26 05 33 23-0413	EA Entrance End Cap Fittings (Wiremold #ALA4810B2).....	21.32	3.96
26 05 33 23-0414	EA Flat 90 Degree Elbow (Wiremold #ALA4811)..... Note: Includes four (4) ALA01 couplings.	125.83	12.38
26 05 33 23-0415	EA Flat Tee Fitting (Wiremold #ALA4815)..... Note: Includes six (6) ALA01 couplings.	172.39	15.34
26 05 33 23-0416	EA Internal Elbow (Wiremold #ALA4817)..... Note: Includes four (4) ALA01 couplings.	115.89	15.34
26 05 33 23-0417	EA Inverted Internal Elbow (Wiremold #ALA4817N)..... Note: Includes four (4) ALA01 couplings.	136.70	15.34
26 05 33 23-0418	EA External Elbow (Wiremold #ALA4818)..... Note: Includes four (4) ALA01 couplings.	121.75	15.34

26 05 33 23-0419	<b>Two Piece Surface Aluminum Raceways Fittings (Wiremold #ALA3800 And #ALA4800)</b> <small>(26 05 33 23-0315)</small>		
	See CSI section 26 27 26 00-0012 for receptacles.		
26 05 33 23-0420	LF 3" Wide Aluminum Raceway Cover (Wiremold #ALAC-5)..... Note: For use with ALA3800 single channel raceway and ALA4800 dual channel raceway.	7.32	0.49
26 05 33 23-0421	EA Wire Clips (Wiremold #ALAWC).....	6.54	2.48
26 05 33 23-0422	EA Slide Couplings (Wiremold #ALA01).....	16.33	2.97
26 05 33 23-0423	EA Grounding Adapter (Wiremold #ALA09).....	13.87	2.97
26 05 33 23-0424	EA Bend Radius Control Insert For Flat Elbow (Wiremold #ALA11RI).....	37.69	12.38
26 05 33 23-0425	EA Internal Corner Coupling (Wiremold #ALA17A).....	44.92	15.34
26 05 33 23-0426	EA Bend Radius Control Insert For Internal And External Elbow (Wiremold #ALA17/18RI).....	42.09	12.38
26 05 33 23-0427	EA Blank Cover Plate (Wiremold #ALA-BL).....	17.78	2.97
26 05 33 23-0428	EA Duplex Receptacle Cover Plate (Wiremold #ALA-DR).....	18.98	2.97
26 05 33 23-0429	EA Single Receptacle Cover Plate, 1.40" Diameter Opening (Wiremold #ALA-E).....	19.78	2.97
26 05 33 23-0430	EA Single Receptacle Cover Plate, 1.59" Diameter Opening (Wiremold #ALA-F).....	20.79	2.97
26 05 33 23-0431	EA GFCI/Surge/Decorator Cover Plate (Wiremold #ALA-G).....	19.14	2.97
26 05 33 23-0432	EA Single Receptacle Cover Plate, 2.13" Diameter Opening (Wiremold #ALA-J).....	19.79	2.97
26 05 33 23-0433	EA Toggle Switch Cover Plate (Wiremold #ALA-N).....	20.31	2.97
26 05 33 23-0434	EA Active LPB Cover Plate (Wiremold #ALA-LPB).....	26.14	2.97
26 05 33 23-0435	EA Active MAB Cover Plate (Wiremold #ALA-MAB).....	24.55	2.97
26 05 33 23-0436	EA Ortronics Cover Plate (Wiremold #ALA-MABRT).....	28.35	2.97
26 05 33 23-0437	EA 1-3/4" x 2-3/4" Cover Plate (Wiremold #ALA-SG).....	19.84	2.97
26 05 33 23-0438	EA Active 2A Cover Plate (Wiremold #ALA-2A).....	27.38	2.97
26 05 33 23-0439	EA Ortronics Communications Cover Plate (Wiremold #ALA-ABRT).....	25.02	2.97
26 05 33 23-0440	EA 3/4" Grommet/Mousehole Cover Plate (Wiremold #ALA-Z).....	20.26	2.97
26 05 33 23-0441	EA Ortronics Low Profile Cover Plate (Wiremold #ALA-LPB3S2).....	25.25	2.97

26 05 33 23-0442	<b>Surface Non-Metallic Raceways</b> <small>(26 05 33 23-0001)</small>		
	Note: Exposed on flat wall surface.		

26 05 33 23-0443	<b>One Piece Surface Non-Metallic Raceways</b> <small>(26 05 33 23-0442)</small>		
	Note: Exposed on flat wall surface. (Wiremold or approved equal).		

26 05 33 23-0444	<b>7/8" x 7/16" One Piece Surface Non-Metallic Raceways (Wiremold #400)</b> <small>(26 05 33 23-0443)</small>		
26 05 33 23-0445	LF 7/8" x 7/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #400BAC)..... <i>For Concrete Or Masonry Surface, Add</i>	6.38 0.20	1.98
26 05 33 23-0446	EA Wire Clip (Wiremold #400WC).....	4.47	1.98
26 05 33 23-0447	EA Cover Clip (Wiremold #406).....	4.79	1.98
26 05 33 23-0448	EA Blank End Clip (Wiremold #410B).....	9.11	3.96
26 05 33 23-0449	EA Flat 90 Degree Elbow (Wiremold #411).....	11.12	3.96
26 05 33 23-0450	EA Tee (Wiremold #415).....	14.02	4.95
26 05 33 23-0451	EA Internal Elbow (Wiremold #417).....	10.86	3.96
26 05 33 23-0452	EA External Elbow (Wiremold #418).....	10.86	3.96

26 05 33 23-0453	<b>1-5/16" x 7/16" One Piece Surface Non-Metallic Raceways (Wiremold #800)</b> <small>(26 05 33 23-0443)</small>		
26 05 33 23-0454	LF 1-5/16" x 7/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #800BAC)..... <i>For Concrete Or Masonry Surface, Add</i>	6.74 0.20	1.98
26 05 33 23-0455	EA Wire Clip (Wiremold #800WC).....	4.42	1.98
26 05 33 23-0456	EA Cover Clip (Wiremold #806).....	4.52	1.98
26 05 33 23-0457	EA Entrance End Fitting (Wiremold #810A2).....	14.10	3.96
26 05 33 23-0458	EA Blank End Fitting (Wiremold #810B).....	8.92	3.96
26 05 33 23-0459	EA Flat 90 Degree Elbow (Wiremold #811).....	10.42	3.96
26 05 33 23-0460	EA Tee (Wiremold #815).....	13.09	4.95
26 05 33 23-0461	EA Internal Elbow (Wiremold #817).....	10.20	3.96
26 05 33 23-0462	EA External Elbow (Wiremold #818).....	10.20	3.96
26 05 33 23-0463	EA End Reducer, #800 To #400 (Wiremold #889A).....	11.61	3.96

26 05 33 23-0464	<b>2-1/4" x 11/16" One Piece Surface Non-Metallic Raceways (Wiremold #2300)</b> <small>(26 05 33 23-0443)</small>		
26 05 33 23-0465	LF 2-1/4" x 11/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2300BAC)..... <i>For Concrete Or Masonry Surface, Add</i>	7.71 0.20	1.98
26 05 33 23-0466	LF 2-1/4" x 11/16" One Piece Surface Non-Metallic Divided Raceway Base And Cover (Wiremold #2300BACD)..... <i>For Concrete Or Masonry Surface, Add</i>	8.22 0.20	1.98

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 05 33 23-0467	EA	Wire Clip (Wiremold #2300WC).....	4.63	1.98
26 05 33 23-0468	EA	Cover Clip (Wiremold #2306).....	4.89	1.98
26 05 33 23-0469	EA	Entrance End Fitting (Wiremold #2310A).....	15.16	3.96
26 05 33 23-0470	EA	Blank End Fitting (Wiremold #2310B).....	9.39	3.96
26 05 33 23-0471	EA	Divided Entrance End Fitting (Wiremold #2310DFO).....	17.12	3.96
26 05 33 23-0472	EA	Flat 90 Degree Elbow (Wiremold #2311).....	10.55	3.96
26 05 33 23-0473	EA	Divided Flat 90 Degree Elbow (Wiremold #2311DFO).....	11.38	3.96
26 05 33 23-0474	EA	Tee (Wiremold #2315).....	13.11	4.95
26 05 33 23-0475	EA	Internal Elbow (Wiremold #2317).....	10.55	3.96
26 05 33 23-0476	EA	Divided Internal Elbow (Wiremold #2317DFO).....	11.39	3.96
26 05 33 23-0477	EA	External Elbow (Wiremold #2318).....	10.57	3.96
26 05 33 23-0478	EA	Divided External Elbow (Wiremold #2318DFO).....	11.54	3.96
26 05 33 23-0479	EA	End Reducer, #2300 To #400 (Wiremold #2389).....	11.56	3.96
26 05 33 23-0480	EA	End Reducer, #2300 To #800 (Wiremold #2389A).....	12.09	3.96

**26 05 33 23-0481 One Piece Surface Non-Metallic Raceway Fittings (Wiremold #400, #800 Or #2300)** (26 05 33 23-0443)

26 05 33 23-0482	EA	Blank Cover, 4-1/2" Diameter (Wiremold #2336).....	13.01	3.47
26 05 33 23-0483	EA	Extension Box, 5-1/2" Diameter (Wiremold #2337A).....	21.59	3.96
26 05 33 23-0484	EA	-A Fixture Box, 5-1/2" Diameter (Wiremold #233).....	21.72	3.96
26 05 33 23-0485	EA	Extra Deep Device Box, 1 Gang, 2-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2344).....	19.54	3.96
26 05 33 23-0486	EA	Extra Deep Device Box, 2 Gang, 2-3/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2344-2).....	22.74	3.96
26 05 33 23-0487	EA	Extra Deep Divided Device Box, 1 Gang, 2-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2344D).....	21.34	3.96
26 05 33 23-0488	EA	Deep Divided Device Box, 2 Gang, 2-1/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2344SD-2A).....	23.24	3.96
26 05 33 23-0489	EA	1-Gang Standard Device Box, 1-3/8" Deep x 4-3/4" Long x 3" Wide (Wiremold #2347).....	19.12	6.44
26 05 33 23-0490	EA	2-Gang Standard Device Box, 1-3/8" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2347-2).....	21.94	6.44
26 05 33 23-0491	EA	1-Gang Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348).....	19.94	6.44
26 05 33 23-0492	EA	2-Gang Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2348-2).....	24.19	6.44
26 05 33 23-0493	EA	3-Gang Deep Device Box, 1-3/4" Deep x 5" Long x 7" Wide (Wiremold #2348-3).....	29.12	6.44
26 05 33 23-0494	EA	1-Gang Deep Device Box With Magnetic Backing, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348AMP).....	27.55	6.44
26 05 33 23-0495	EA	1-Gang Divided Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348D).....	24.86	6.44
26 05 33 23-0496	EA	Shallow Device And Extension Box, 7/8" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348S/51).....	18.70	6.44

**26 05 33 23-0497 3/4" x 3/8" One Piece Surface Non-Metallic Raceways (Wiremold #2700)** (26 05 33 23-0443)

26 05 33 23-0498	LF	3/4" x 3/8" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2700).....	5.58	1.98
		<i>For Concrete Or Masonry Surface, Add</i>	0.20	
26 05 33 23-0499	EA	3/4" Wire Clip (Wiremold #2700WC).....	2.32	0.99
26 05 33 23-0500	EA	Cover Clip (Wiremold #2706).....	3.70	0.99
26 05 33 23-0501	EA	Blank End (Wiremold #2710B).....	5.66	1.98
26 05 33 23-0502	EA	Flat 90 Degree Elbow (Wiremold #2711).....	6.70	2.48
26 05 33 23-0503	EA	Tee (Wiremold #2715).....	10.68	4.45
26 05 33 23-0504	EA	Internal Elbow (Wiremold #2717).....	7.69	2.97
26 05 33 23-0505	EA	External Elbow (Wiremold #2718).....	7.67	2.97
26 05 33 23-0506	EA	Drop Ceiling Connector (Wiremold #2786).....	9.08	3.47

**26 05 33 23-0507 1" x 1/2" One Piece Surface Non-Metallic Raceways (Wiremold #2800)** (26 05 33 23-0443)

26 05 33 23-0508	LF	1" x 1/2" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2800).....	6.98	2.48
		<i>For Concrete Or Masonry Surface, Add</i>	0.25	
26 05 33 23-0509	EA	1" Wire Clip (Wiremold #2800WC).....	3.41	1.48
26 05 33 23-0510	EA	Cover Clip (Wiremold #2806).....	4.61	1.48
26 05 33 23-0511	EA	Blank End (Wiremold #2810B).....	6.59	2.48
26 05 33 23-0512	EA	Flat 90 Degree Elbow (Wiremold #2811).....	8.65	3.47
26 05 33 23-0513	EA	Radiused Flat 90 Degree Elbow (Wiremold #2811FO).....	9.24	3.47
26 05 33 23-0514	EA	Tee (Wiremold #2815).....	12.61	5.45
26 05 33 23-0515	EA	Internal Elbow (Wiremold #2817).....	9.61	3.96
26 05 33 23-0516	EA	External Elbow (Wiremold #2818).....	9.64	3.96
26 05 33 23-0517	EA	Radiused Tee (Wiremold #2815FO).....	13.40	5.45
26 05 33 23-0518	EA	Radiused Internal Elbow (Wiremold #2817FO).....	10.33	3.96
26 05 33 23-0519	EA	Radiused External Elbow (Wiremold #2818FO).....	10.23	3.96
26 05 33 23-0520	EA	Drop Ceiling Connector (Wiremold #2886).....	10.86	4.45
26 05 33 23-0521	EA	Reducer, #2800 To #2700 (Wiremold #2889).....	9.78	3.96

**26 05 33 23-0522 1-1/2" x 3/4" One Piece Surface Non-Metallic Raceways (Wiremold #2900)** (26 05 33 23-0443)

26 05 33 23-0523	LF	1-1/2" x 3/4" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2900).....	8.53	2.97
		<i>For Concrete Or Masonry Surface, Add</i>	0.30	
26 05 33 23-0524	EA	1-1/2" Wire Clip (Wiremold #2900WC).....	4.51	1.98
26 05 33 23-0525	EA	Cover Clip (Wiremold #2906).....	5.76	1.98
26 05 33 23-0526	EA	Blank End (Wiremold #2910B).....	7.74	2.97
26 05 33 23-0527	EA	Flat 90 Degree Elbow (Wiremold #2911).....	9.73	3.96
26 05 33 23-0528	EA	Tee (Wiremold #2915).....	13.69	5.94
26 05 33 23-0529	EA	Radiused Tee (Wiremold #2915FO).....	14.67	5.94
26 05 33 23-0530	EA	Radiused Flat 90 Degree Elbow (Wiremold #2911FO).....	10.68	3.96
26 05 33 23-0531	EA	Internal Elbow (Wiremold #2917).....	10.73	4.45
26 05 33 23-0532	EA	Radiused Internal Elbow (Wiremold #2917FO).....	11.72	4.45
26 05 33 23-0533	EA	External Elbow (Wiremold #2918).....	10.72	4.45
26 05 33 23-0534	EA	Radiused External Elbow (Wiremold #2918FO).....	12.00	4.45
26 05 33 23-0535	EA	Drop Ceiling Connector (Wiremold #2986).....	10.89	4.45
26 05 33 23-0536	EA	Reducer, #2900 To #2800 (Wiremold #2989).....	12.09	4.95
26 05 33 23-0537	EA	Reducer, #2900 To #2700 (Wiremold #2989A).....	11.76	4.95

MINOR	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
		UNIT COST	UNIT COST

26 05 33 23-0538	Two Piece Surface Non-Metallic Raceways <small>(26 05 33 23-0442)</small> Note: Exposed on flat wall surface. (Wiremold or approved equal).		
26 05 33 23-0539	5" x 1" Two Piece Surface Non-Metallic Raceways (Wiremold #500) <small>(26 05 33 23-0539)</small>		
	26 05 33 23-0540 LF 5" x 1" Two Piece Surface Non-Metallic Raceway Base (Wiremold #5000B).....	13.58	4.45
	<i>For Concrete Or Masonry Surface, Add</i> .....	<i>0.45</i>	
	26 05 33 23-0541 LF Black, Gray Or White, Cover (Wiremold #5000C).....	12.87	4.45
	26 05 33 23-0542 LF Oak Veneer, Cover (Wiremold #5000COA).....	24.98	4.45
	26 05 33 23-0543 LF Maple Wood Veneer, Cover (Wiremold #5000CW).....	20.19	4.45
	26 05 33 23-0544 LF Black, Gray Or White, Quarter Round Trim (Wiremold #5000T).....	1.85	0.49
	26 05 33 23-0545 LF Oak Veneer, Quarter Round Trim (Wiremold #5000TOA).....	7.93	0.49
	26 05 33 23-0546 LF Maple Wood Veneer, Quarter Round Trim (Wiremold #5000TW).....	4.88	0.49
	26 05 33 23-0547 EA Base Coupling (Wiremold #5001).....	12.36	4.95
	26 05 33 23-0548 EA Blank/Coax Adapter (Wiremold #5004).....	6.99	2.48
	26 05 33 23-0549 EA Low Voltage Blank Plate (Wiremold #5005).....	9.40	2.97
	26 05 33 23-0550 EA Cover Clip (Wiremold #5006).....	13.38	4.95
	26 05 33 23-0551 EA Internal Wire Guard (Wiremold #5006A).....	12.45	4.95
	26 05 33 23-0552 EA Device Bracket (Wiremold #5007C).....	14.35	4.95
	26 05 33 23-0553 EA Device Plate (Wiremold #5007C-1).....	25.81	9.90
	26 05 33 23-0554 EA Deep Device Plate (Wiremold #5007C-2).....	26.79	9.90
	26 05 33 23-0555 EA Right Or Left End Cap (Wiremold #5010).....	22.33	9.41
	26 05 33 23-0556 EA Entrance End Feed (Wiremold #5010A).....	43.92	15.34
	26 05 33 23-0557 EA Internal Base Elbow (Wiremold #5017B).....	30.15	12.38
	26 05 33 23-0558 EA Internal Cover Elbow (Wiremold #5017C).....	27.44	9.90
	26 05 33 23-0559 EA Internal Elbow Wire Guard (Wiremold #5017WG).....	18.68	7.42
	26 05 33 23-0560 EA External Base Elbow (Wiremold #5018B).....	30.09	12.38
	26 05 33 23-0561 EA External Cover Elbow (Wiremold #5018C).....	27.70	9.90
	26 05 33 23-0562 EA External Elbow Wire Guard (Wiremold #5018WG).....	12.19	4.95
26 05 33 23-0563	5-1/4" x 1-11/16" Two Piece Surface Non-Metallic Raceways (Wiremold #5400) <small>(26 05 33 23-0538)</small>		
	26 05 33 23-0564 LF 5-1/4" x 1-11/16", Two Compartment, Two Piece Surface Non-Metallic Raceway Base (Wiremold #5400TB).....	14.43	4.45
	<i>For Concrete Or Masonry Surface, Add</i> .....	<i>0.45</i>	
	26 05 33 23-0565 LF Full Width Cover (Wiremold #5400C).....	5.04	0.49
	26 05 33 23-0566 LF Twin Snap Cover (Wiremold #5400TC).....	3.24	0.49
	26 05 33 23-0567 EA Twin Snap Cover Wire Clips (Wiremold #5400TWC).....	5.54	2.48
	26 05 33 23-0568 EA Cover Clip (Wiremold #5406A).....	9.37	2.97
	26 05 33 23-0569 EA Twin Cover Clip (Wiremold #5406T).....	7.89	2.97
	26 05 33 23-0570 EA Base Seam Clip (Wiremold #5406TB).....	7.04	2.97
	26 05 33 23-0571 EA L Or R (Left Or Right) Transition Fitting (Wiremold #5408).....	53.47	15.34
	26 05 33 23-0572 EA End Cap (Wiremold #5410).....	26.12	9.41
	26 05 33 23-0573 EA Radiused Divided Entrance Cap Fitting (Wiremold #5410DFO).....	51.32	15.34
	26 05 33 23-0574 EA Radiused Flat 90 Degree Elbow (Wiremold #5411FO).....	46.84	12.38
	26 05 33 23-0575 EA Tee Fitting (Wiremold #5415).....	54.00	15.34
	26 05 33 23-0576 EA Radiused Tee Fitting (Wiremold #5415FO).....	56.56	15.34
	26 05 33 23-0577 EA Radiused Internal Elbow (Wiremold #5417FO).....	44.59	15.34
	26 05 33 23-0578 EA External Elbow (Wiremold #5418).....	45.23	15.34
	26 05 33 23-0579 EA Radiused External Elbow (Wiremold #5418FO).....	45.83	15.34
	26 05 33 23-0580 EA 5-5/32" x 6" Device Bracket (Wiremold #5450).....	21.66	4.95
	26 05 33 23-0581 EA 7-19/32" x 7-1/2" Device Bracket (Wiremold #5450A3).....	28.65	4.95
	26 05 33 23-0582 EA 2-1/2" x 4-7/8" Twin Snap Device Bracket (Wiremold #5450T).....	16.49	4.95
	26 05 33 23-0583 EA Transition Fitting (Wiremold #5474).....	47.02	15.34
26 05 33 23-0584	6-11/16" x 1-11/16" Two Piece Surface Non-Metallic Raceways (Wiremold #5500) <small>(26 05 33 23-0538)</small>		
	26 05 33 23-0585 LF 6-11/16" x 1-11/16", Three Compartment Divided, Two Piece Surface Non-Metallic Raceway Base (Wiremold #5500BD3).....	18.22	4.45
	<i>For Concrete Or Masonry Surface, Add</i> .....	<i>0.45</i>	
	26 05 33 23-0586 LF Cover (Wiremold #5500C).....	6.71	0.49
	26 05 33 23-0587 EA Wire Clips (Wiremold #5500WC).....	6.50	2.48
	26 05 33 23-0588 EA Cover Clip (Wiremold #5506).....	10.62	2.97
	26 05 33 23-0589 EA Base Seam Clip Fitting (Wiremold #5506B).....	7.46	2.97
	26 05 33 23-0590 EA Modular Furniture Adapter (Wiremold #5507AD).....	9.88	2.97
	26 05 33 23-0591 EA Blank Faceplate (Wiremold #5507B).....	9.92	2.97
	26 05 33 23-0592 EA Duplex Receptacle Faceplate (Wiremold #5507D).....	9.98	2.97
	26 05 33 23-0593 EA Dual RJ Connector Faceplate (Wiremold #5507FRJ).....	9.98	2.97
	26 05 33 23-0594 EA Rectangular Receptacle Faceplate (Wiremold #5507R).....	9.87	2.97
	26 05 33 23-0595 EA Dual RJ Connector Faceplate (Wiremold #5507RJ).....	9.90	2.97
	26 05 33 23-0596 EA Rectangular Spacer Fitting (Wiremold #5507S).....	9.82	2.97
	26 05 33 23-0597 EA Switch Faceplate (Wiremold #5507SW).....	9.84	2.97
	26 05 33 23-0598 EA Twistlock Faceplate (Wiremold #5507T1).....	9.92	2.97
	26 05 33 23-0599 EA Single Receptacle Faceplate (Wiremold #5507T2).....	9.71	2.97
	26 05 33 23-0600 EA 6-5/8" x 6" Device Bracket (Wiremold #5550).....	26.17	4.95
	26 05 33 23-0601 EA 9-5/8" x 7-1/2" Device Bracket (Wiremold #5550A4).....	35.32	4.95
	26 05 33 23-0602 EA End Cap (Wiremold #5510).....	28.52	9.41
	26 05 33 23-0603 EA Entrance End Fitting (Wiremold #5510D).....	58.95	15.34
	26 05 33 23-0604 EA Radiused Flat 90 Degree Elbow (Wiremold #5511FO).....	53.92	12.38
	26 05 33 23-0605 EA Backfeed Connector (Wiremold #5514A).....	43.11	12.38
	26 05 33 23-0606 EA Tee Fitting (Wiremold #5515).....	62.00	15.34
	26 05 33 23-0607 EA Radiused Internal Elbow (Wiremold #5517FO).....	49.48	15.34
	26 05 33 23-0608 EA External Elbow (Wiremold #5518).....	50.73	15.34

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 05 33 23-0609	EA	Radiused External Elbow (Wiremold #5518FO) .....		53.37	15.34
26 05 33 23-0610	EA	Transition Fitting (Wiremold #5574).....		48.21	15.34
26 05 33 23-0611	EA	Transition Fitting (Wiremold #5574A).....		65.32	15.34
<b>26 05 33 23-0612</b>		<b>Surface Cable Protection System</b> <small>(26 05 33 23)</small>			
26 05 33 23-0613	EA	35-1/2" Long x 18-9/16" Wide x 3" High, Three Channel, Heavy Duty Polyurethane, Surface Cable Protector (Yellow Jacket® CP-YJHD-3).....		506.74	
		Note: Modular interlocking design with hinged lid.			
26 05 33 23-0614	EA	35-3/4" Long x 19-3/4" Wide x 1-7/8" High, Five Channel, Heavy Duty Polyurethane, Surface Cable Protector (Yellow Jacket® CP-YJHD-5).....		382.38	
		Note: Modular interlocking design with hinged lid.			
<b>26 05 36 Cable Trays for Electrical Systems</b> <small>(26 05)</small>					
<b>26 05 36 00-0001</b>		<b>Cable Trays</b> <small>(26 05 36)</small>			
		Note: Excludes supporting hangers.			
<b>26 05 36 00-0002</b>		<b>Ladder Bottom Galvanized Steel Cable Tray</b> <small>(26 05 36 00-0001)</small>			
<b>26 05 36 00-0003</b>		<b>4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray</b> <small>(26 05 36 00-0002)</small>			
<b>26 05 36 00-0004</b>		<b>4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray</b> <small>(26 05 36 00-0003)</small>			
26 05 36 00-0005	LF	6" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray .....		37.78	10.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		-2.91	
26 05 36 00-0006	LF	9" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray .....		40.83	11.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		-3.16	
26 05 36 00-0007	LF	12" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray .....		44.65	12.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		-3.46	
26 05 36 00-0008	LF	18" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray .....		49.77	12.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		-3.92	
26 05 36 00-0009	LF	24" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray .....		54.74	13.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		-4.38	
26 05 36 00-0010	LF	30" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray .....		66.80	15.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		-5.41	
26 05 36 00-0011	LF	36" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray .....		74.92	17.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		-6.04	
<b>26 05 36 00-0012</b>		<b>6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray</b> <small>(26 05 36 00-0003)</small>			
26 05 36 00-0013	LF	6" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray .....		35.58	10.19
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		-2.71	
26 05 36 00-0014	LF	9" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray .....		38.52	10.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		-2.95	
26 05 36 00-0015	LF	12" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray .....		41.09	11.81
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		-3.12	
26 05 36 00-0016	LF	18" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray .....		45.10	12.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		-3.48	
26 05 36 00-0017	LF	24" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray .....		48.69	12.89
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		-3.80	
26 05 36 00-0018	LF	30" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray .....		57.27	14.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		-4.49	
26 05 36 00-0019	LF	36" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray .....		62.57	16.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		-4.90	
<b>26 05 36 00-0020</b>		<b>9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray</b> <small>(26 05 36 00-0003)</small>			
26 05 36 00-0021	LF	6" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray .....		34.26	10.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		-2.59	
26 05 36 00-0022	LF	9" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray .....		35.28	10.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		-2.66	
26 05 36 00-0023	LF	12" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray .....		38.91	11.06
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		-2.97	
26 05 36 00-0024	LF	18" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray .....		42.67	11.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		-3.30	
26 05 36 00-0025	LF	24" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray .....		46.33	11.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		-3.64	
26 05 36 00-0026	LF	30" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray .....		50.51	13.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		-3.97	
26 05 36 00-0027	LF	36" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray .....		54.25	14.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		-4.25	
<b>26 05 36 00-0028</b>		<b>12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray</b> <small>(26 05 36 00-0003)</small>			
26 05 36 00-0029	LF	6" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray .....		33.24	9.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		-2.52	
26 05 36 00-0030	LF	9" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray .....		33.94	9.86
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		-2.57	
26 05 36 00-0031	LF	12" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray .....		35.95	10.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		-2.73	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 36 00-0032	LF	18" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	38.09	10.95
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.90	
26 05 36 00-0033	LF	24" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	39.72	10.95
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.06	
26 05 36 00-0034	LF	30" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	43.94	11.81
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.41	
26 05 36 00-0035	LF	36" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	46.28	12.35
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.60	
26 05 36 00-0036	<b>18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray</b> <small>(26 05 36 00-0003)</small>			
26 05 36 00-0037	LF	6" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	32.80	9.43
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.49	
26 05 36 00-0038	LF	9" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	33.37	9.64
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.53	
26 05 36 00-0039	LF	12" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	35.38	10.19
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.69	
26 05 36 00-0040	LF	18" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	37.16	10.62
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.83	
26 05 36 00-0041	LF	24" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	37.78	10.73
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.88	
26 05 36 00-0042	LF	30" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	40.13	11.49
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.05	
26 05 36 00-0043	LF	36" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	41.85	12.14
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.18	
26 05 36 00-0044	<b>4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings</b> <small>(26 05 36 00-0002)</small>			
26 05 36 00-0045	<b>12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0044)</small>			
26 05 36 00-0046	EA	6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	291.49	108.70
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.09	
26 05 36 00-0047	EA	9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	325.49	123.77
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.23	
26 05 36 00-0048	EA	12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	357.71	136.88
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.37	
26 05 36 00-0049	EA	18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	447.80	167.76
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.80	
26 05 36 00-0050	EA	24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	510.23	192.58
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.97	
26 05 36 00-0051	EA	30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	610.03	216.75
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.94	
26 05 36 00-0052	EA	36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	703.72	247.74
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.73	
26 05 36 00-0053	<b>24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0044)</small>			
26 05 36 00-0054	EA	6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	416.18	113.03
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.20	
26 05 36 00-0055	EA	9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	451.35	129.94
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.31	
26 05 36 00-0056	EA	12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	484.37	144.47
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.40	
26 05 36 00-0057	EA	18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	561.86	179.46
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.23	
26 05 36 00-0058	EA	24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	628.99	208.18
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.55	
26 05 36 00-0059	EA	30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	700.41	236.25
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.35	
26 05 36 00-0060	EA	36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	820.54	273.65
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.25	
26 05 36 00-0061	<b>36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0044)</small>			
26 05 36 00-0062	EA	6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	449.19	118.13
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.07	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 36 00-0063	EA 9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	494.17 -38.02	136.77
26 05 36 00-0064	EA 12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	533.69 -40.61	153.03
26 05 36 00-0065	EA 18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	639.88 -47.94	192.58
26 05 36 00-0066	EA 24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	727.23 -53.88	226.07
26 05 36 00-0067	EA 30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	853.98 -63.72	260.09
26 05 36 00-0068	EA 36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	968.31 -71.37	305.62
<b>26 05 36 00-0069</b>	<b>12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small></b>		
26 05 36 00-0070	EA 6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	217.11 -41.46 -73.47 -15.15	78.78
26 05 36 00-0071	EA 9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	246.78 -45.23 -80.63 -16.81	94.50
26 05 36 00-0072	EA 12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	273.49 -48.71 -87.20 -18.32	108.38
26 05 36 00-0073	EA 18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	326.36 -55.20 -99.61 -21.22	136.99
26 05 36 00-0074	EA 24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	405.75 -69.59 -125.30 -26.60	167.76
26 05 36 00-0075	EA 30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	482.20 -85.29 -152.86 -32.17	192.58
26 05 36 00-0076	EA 36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	545.02 -93.19 -167.87 -35.66	226.07
<b>26 05 36 00-0077</b>	<b>24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small></b>		
26 05 36 00-0078	EA 6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	244.03 -49.39 -86.83 -17.63	81.28
26 05 36 00-0079	EA 9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	278.94 -54.49 -96.26 -19.73	97.97
26 05 36 00-0080	EA 12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	318.20 -61.64 -109.02 -22.39	113.14
26 05 36 00-0081	EA 18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	373.99 -68.02 -121.40 -25.36	144.47
26 05 36 00-0082	EA 24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	460.24 -83.10 -148.46 -31.07	179.46

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0083 EA 30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	539.63	208.18
For 60 Degree Bend, Deduct .....	-98.29	
For 30 Degree Bend, Deduct .....	-175.38	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct .....	-36.62	
26 05 36 00-0084 EA 36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	633.77	247.85
For 60 Degree Bend, Deduct .....	-114.15	
For 30 Degree Bend, Deduct .....	-204.02	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct .....	-42.73	
<b>26 05 36 00-0085 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)</b>		
26 05 36 00-0086 EA 6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	295.66	83.88
For 60 Degree Bend, Deduct .....	-65.43	
For 30 Degree Bend, Deduct .....	-113.71	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct .....	-22.58	
26 05 36 00-0087 EA 9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	334.45	101.87
For 60 Degree Bend, Deduct .....	-71.32	
For 30 Degree Bend, Deduct .....	-124.53	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct .....	-24.96	
26 05 36 00-0088 EA 12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	365.25	118.23
For 60 Degree Bend, Deduct .....	-75.21	
For 30 Degree Bend, Deduct .....	-131.92	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct .....	-26.67	
26 05 36 00-0089 EA 18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	437.33	153.03
For 60 Degree Bend, Deduct .....	-85.64	
For 30 Degree Bend, Deduct .....	-151.24	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct .....	-30.98	
26 05 36 00-0090 EA 24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	513.73	192.58
For 60 Degree Bend, Deduct .....	-95.70	
For 30 Degree Bend, Deduct .....	-170.20	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct .....	-35.32	
26 05 36 00-0091 EA 30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	625.61	226.07
For 60 Degree Bend, Deduct .....	-119.78	
For 30 Degree Bend, Deduct .....	-212.20	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct .....	-43.72	
26 05 36 00-0092 EA 36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	732.94	273.65
For 60 Degree Bend, Deduct .....	-136.96	
For 30 Degree Bend, Deduct .....	-243.48	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct .....	-50.49	
<b>26 05 36 00-0093 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)</b>		
26 05 36 00-0094 EA 6" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	316.73	108.38
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct .....	-22.64	
26 05 36 00-0095 EA 9" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	345.57	123.77
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct .....	-24.24	
26 05 36 00-0096 EA 12" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	371.98	136.88
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct .....	-25.80	
26 05 36 00-0097 EA 18" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	429.77	167.76
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct .....	-29.00	
26 05 36 00-0098 EA 24" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	477.44	192.58
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct .....	-31.69	
26 05 36 00-0099 EA 30" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	530.19	216.75
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct .....	-34.96	
26 05 36 00-0100 EA 36" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	587.58	247.42
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct .....	-38.14	
<b>26 05 36 00-0101 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)</b>		
26 05 36 00-0102 EA 6" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	380.83	113.03
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct .....	-28.66	
26 05 36 00-0103 EA 9" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	413.85	130.05
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct .....	-30.55	
26 05 36 00-0104 EA 12" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	445.77	144.47
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct .....	-32.54	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 05 36 00-0105	EA	18" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	514.93		179.46
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-36.54		
26 05 36 00-0106	EA	24" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	573.74		208.18
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-40.03		
26 05 36 00-0107	EA	30" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	633.14		236.25
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-43.62		
26 05 36 00-0108	EA	36" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	725.18		273.65
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-49.71		
<b>26 05 36 00-0109</b>		<b>36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0044)</small>			
26 05 36 00-0110	EA	6" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	456.58		118.13
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-35.81		
26 05 36 00-0111	EA	9" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	497.12		136.88
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-38.31		
26 05 36 00-0112	EA	12" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	527.31		153.03
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-39.98		
26 05 36 00-0113	EA	18" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	615.10		192.58
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-45.46		
26 05 36 00-0114	EA	24" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	674.04		226.07
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-48.56		
26 05 36 00-0115	EA	30" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	771.38		260.09
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-55.46		
26 05 36 00-0116	EA	36" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	869.07		305.62
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-61.44		
<b>26 05 36 00-0117</b>		<b>12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0044)</small>			
26 05 36 00-0118	EA	6" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	564.91		208.18
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-39.15		
26 05 36 00-0119	EA	9" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	611.09		226.07
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-42.27		
26 05 36 00-0120	EA	12" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	641.09		236.25
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-44.42		
26 05 36 00-0121	EA	18" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	716.57		260.09
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-49.98		
26 05 36 00-0122	EA	24" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	813.13		288.70
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-57.25		
26 05 36 00-0123	EA	30" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	907.19		306.16
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-65.21		
26 05 36 00-0124	EA	36" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	1,026.71		346.58
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-73.79		
<b>26 05 36 00-0125</b>		<b>24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0044)</small>			
26 05 36 00-0126	EA	6" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	718.47		226.07
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-53.01		
26 05 36 00-0127	EA	9" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	770.93		247.85
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-56.44		
26 05 36 00-0128	EA	12" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	804.42		260.09
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-58.77		
26 05 36 00-0129	EA	18" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	881.46		288.70
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-64.08		
26 05 36 00-0130	EA	24" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	977.88		325.12
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-70.69		
26 05 36 00-0131	EA	30" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	1,052.74		346.58
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-76.39		
26 05 36 00-0132	EA	36" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	1,275.79		400.44
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-94.21		

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>26 05 36 00-0133    36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small></b>				
26 05 36 00-0134	EA	6" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	923.85	247.85
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-71.73	
26 05 36 00-0135	EA	9" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	986.49	273.65
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-75.84	
26 05 36 00-0136	EA	12" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,047.40	288.70
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-80.68	
26 05 36 00-0137	EA	18" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,150.33	325.12
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-87.94	
26 05 36 00-0138	EA	24" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,305.12	371.18
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-99.58	
26 05 36 00-0139	EA	30" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,415.70	400.44
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-108.20	
26 05 36 00-0140	EA	36" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,591.29	472.51
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-119.75	
<b>26 05 36 00-0141    12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small></b>				
26 05 36 00-0142	EA	6" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	691.94	192.58
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.14	
26 05 36 00-0143	EA	9" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	707.84	200.16
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.10	
26 05 36 00-0144	EA	12" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	724.35	208.18
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.09	
26 05 36 00-0145	EA	18" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	760.77	226.07
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.24	
26 05 36 00-0146	EA	24" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	784.25	236.25
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.74	
26 05 36 00-0147	EA	30" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	849.97	260.09
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.32	
26 05 36 00-0148	EA	36" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	913.99	288.70
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.34	
<b>26 05 36 00-0149    24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small></b>				
26 05 36 00-0150	EA	6" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,017.19	208.18
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-84.37	
26 05 36 00-0151	EA	9" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,041.28	216.75
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-86.07	
26 05 36 00-0152	EA	12" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,066.62	226.07
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-87.82	
26 05 36 00-0153	EA	18" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,122.33	247.85
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-91.58	
26 05 36 00-0154	EA	24" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,162.34	260.09
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-94.56	
26 05 36 00-0155	EA	30" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,229.61	288.70
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-98.90	
26 05 36 00-0156	EA	36" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,322.78	325.12
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-105.18	
<b>26 05 36 00-0157    36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small></b>				
26 05 36 00-0158	EA	6" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,629.53	226.07
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-144.11	
26 05 36 00-0159	EA	9" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,662.78	236.25
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-146.59	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 36 00-0160	EA 12" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,698.25	247.85
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-149.17	
26 05 36 00-0161	EA 18" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,757.63	273.65
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-152.96	
26 05 36 00-0162	EA 24" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,799.02	288.70
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-155.84	
26 05 36 00-0163	EA 30" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,908.46	325.12
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-163.75	
26 05 36 00-0164	EA 36" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,001.43	371.18
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-169.21	
<b>26 05 36 00-0165</b>	<b>12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0044)</small>		
26 05 36 00-0166	EA 6" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	703.55	260.09
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.68	
26 05 36 00-0167	EA 9" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	739.20	273.65
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.11	
26 05 36 00-0168	EA 12" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	790.35	288.70
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.97	
26 05 36 00-0169	EA 18" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	848.62	306.16
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.35	
26 05 36 00-0170	EA 24" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	955.13	346.58
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-66.63	
26 05 36 00-0171	EA 30" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,070.85	371.18
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-76.16	
26 05 36 00-0172	EA 36" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,171.67	400.44
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-83.80	
<b>26 05 36 00-0173</b>	<b>24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0044)</small>		
26 05 36 00-0174	EA 6" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,005.10	288.70
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-76.45	
26 05 36 00-0175	EA 9" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,050.36	306.16
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-79.52	
26 05 36 00-0176	EA 12" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,098.27	325.12
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-82.73	
26 05 36 00-0177	EA 18" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,169.88	346.58
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-88.10	
26 05 36 00-0178	EA 24" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,298.56	400.44
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-96.49	
26 05 36 00-0179	EA 30" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,396.03	433.49
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-103.48	
26 05 36 00-0180	EA 36" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,568.52	472.51
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-117.47	
<b>26 05 36 00-0181</b>	<b>36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0044)</small>		
26 05 36 00-0182	EA 6" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,273.97	325.12
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-100.30	
26 05 36 00-0183	EA 9" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,342.33	346.58
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-105.35	
26 05 36 00-0184	EA 12" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,415.75	371.18
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-110.65	
26 05 36 00-0185	EA 18" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,545.85	400.44
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-121.22	
26 05 36 00-0186	EA 24" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,763.74	472.51
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-136.99	
26 05 36 00-0187	EA 30" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,923.09	519.32
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-149.03	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0188 EA 36" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	2,103.00 -162.09	578.50
<b>26 05 36 00-0189 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0044)</small>		
26 05 36 00-0190 EA 6" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	825.08 -60.83	260.09
26 05 36 00-0191 EA 9" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	866.74 -63.86	273.76
26 05 36 00-0192 EA 12" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	929.36 -68.88	288.70
26 05 36 00-0193 EA 18" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,001.10 -74.59	306.27
26 05 36 00-0194 EA 24" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,124.98 -83.61	346.58
26 05 36 00-0195 EA 30" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,274.66 -96.52	371.29
26 05 36 00-0196 EA 36" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,397.80 -106.45	399.90
<b>26 05 36 00-0197 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0044)</small>		
26 05 36 00-0198 EA 6" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,240.84 -100.02	288.70
26 05 36 00-0199 EA 9" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,293.42 -103.83	306.16
26 05 36 00-0200 EA 12" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,348.65 -107.77	325.12
26 05 36 00-0201 EA 18" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,436.36 -114.75	346.58
26 05 36 00-0202 EA 24" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,582.62 -124.90	400.44
26 05 36 00-0203 EA 30" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,699.12 -133.79	433.49
26 05 36 00-0204 EA 36" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,919.93 -152.61	472.51
<b>26 05 36 00-0205 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0044)</small>		
26 05 36 00-0206 EA 6" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,603.42 -133.25	325.12
26 05 36 00-0207 EA 9" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,686.42 -139.76	346.58
26 05 36 00-0208 EA 12" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,774.48 -146.52	371.18
26 05 36 00-0209 EA 18" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,941.19 -160.75	400.44
26 05 36 00-0210 EA 24" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	2,203.01 -180.92	472.51
26 05 36 00-0211 EA 30" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	2,398.96 -196.62	519.32
26 05 36 00-0212 EA 36" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	2,615.47 -213.34	578.50
26 05 36 00-0213 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings <small>(26 05 36 00-0002)</small>		
26 05 36 00-0214 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 36 00-0215	EA 6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	275.72 -18.52	108.70
26 05 36 00-0216	EA 9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	308.47 -20.53	123.77
26 05 36 00-0217	EA 12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	339.19 -22.52	136.88
26 05 36 00-0218	EA 18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	423.77 -28.40	167.76
26 05 36 00-0219	EA 24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	483.20 -32.27	192.58
26 05 36 00-0220	EA 30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	574.49 -39.39	216.75
26 05 36 00-0221	EA 36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	662.17 -45.57	247.74
<b>26 05 36 00-0222</b>	<b>24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>		
26 05 36 00-0223	EA 6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	383.65 -28.94	113.03
26 05 36 00-0224	EA 9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	417.81 -30.95	129.94
26 05 36 00-0225	EA 12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	449.58 -32.92	144.47
26 05 36 00-0226	EA 18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	524.31 -37.48	179.46
26 05 36 00-0227	EA 24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	588.69 -41.52	208.18
26 05 36 00-0228	EA 30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	656.61 -45.97	236.25
26 05 36 00-0229	EA 36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	768.48 -54.04	273.65
<b>26 05 36 00-0230</b>	<b>36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>		
26 05 36 00-0231	EA 6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	413.15 -31.47	118.13
26 05 36 00-0232	EA 9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	456.13 -34.22	136.77
26 05 36 00-0233	EA 12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	493.90 -36.63	153.03
26 05 36 00-0234	EA 18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	594.33 -43.38	192.58
26 05 36 00-0235	EA 24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	677.17 -48.88	226.07
26 05 36 00-0236	EA 30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	793.91 -57.72	260.09
26 05 36 00-0237	EA 36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	902.74 -64.81	305.62
<b>26 05 36 00-0238</b>	<b>12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>		
26 05 36 00-0239	EA 6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	204.85 -37.41 -66.73 -13.92	78.78
26 05 36 00-0240	EA 9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	234.02 -41.02 -73.61 -15.53	94.50



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0241 EA 12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	260.22	108.38
<i>For 60 Degree Bend, Deduct</i>	-44.33	
<i>For 30 Degree Bend, Deduct</i>	-79.90	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.99	
26 05 36 00-0242 EA 18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	312.35	136.99
<i>For 60 Degree Bend, Deduct</i>	-50.58	
<i>For 30 Degree Bend, Deduct</i>	-91.91	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.82	
26 05 36 00-0243 EA 24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	387.73	167.76
<i>For 60 Degree Bend, Deduct</i>	-63.64	
<i>For 30 Degree Bend, Deduct</i>	-115.39	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.79	
26 05 36 00-0244 EA 30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	459.17	192.58
<i>For 60 Degree Bend, Deduct</i>	-77.69	
<i>For 30 Degree Bend, Deduct</i>	-140.19	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.87	
26 05 36 00-0245 EA 36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	520.99	226.07
<i>For 60 Degree Bend, Deduct</i>	-85.26	
<i>For 30 Degree Bend, Deduct</i>	-154.66	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.26	
<b>26 05 36 00-0246 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small></b>		
26 05 36 00-0247 EA 6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	228.51	81.28
<i>For 60 Degree Bend, Deduct</i>	-44.27	
<i>For 30 Degree Bend, Deduct</i>	-78.29	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.08	
26 05 36 00-0248 EA 9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	262.43	97.97
<i>For 60 Degree Bend, Deduct</i>	-49.04	
<i>For 30 Degree Bend, Deduct</i>	-87.18	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.08	
26 05 36 00-0249 EA 12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	299.68	113.14
<i>For 60 Degree Bend, Deduct</i>	-55.53	
<i>For 30 Degree Bend, Deduct</i>	-98.83	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.54	
26 05 36 00-0250 EA 18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	354.97	144.47
<i>For 60 Degree Bend, Deduct</i>	-61.75	
<i>For 30 Degree Bend, Deduct</i>	-110.94	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.46	
26 05 36 00-0251 EA 24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	437.21	179.46
<i>For 60 Degree Bend, Deduct</i>	-75.50	
<i>For 30 Degree Bend, Deduct</i>	-135.80	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.77	
26 05 36 00-0252 EA 30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	512.10	208.18
<i>For 60 Degree Bend, Deduct</i>	-89.20	
<i>For 30 Degree Bend, Deduct</i>	-160.24	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.86	
26 05 36 00-0253 EA 36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	602.23	247.85
<i>For 60 Degree Bend, Deduct</i>	-103.74	
<i>For 30 Degree Bend, Deduct</i>	-186.67	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.57	
<b>26 05 36 00-0254 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small></b>		
26 05 36 00-0255 EA 6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	273.39	83.88
<i>For 60 Degree Bend, Deduct</i>	-58.08	
<i>For 30 Degree Bend, Deduct</i>	-101.46	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.35	
26 05 36 00-0256 EA 9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	310.92	101.87
<i>For 60 Degree Bend, Deduct</i>	-63.56	
<i>For 30 Degree Bend, Deduct</i>	-111.59	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.60	
26 05 36 00-0257 EA 12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	341.22	118.23
<i>For 60 Degree Bend, Deduct</i>	-67.28	
<i>For 30 Degree Bend, Deduct</i>	-118.70	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.27	
26 05 36 00-0258 EA 18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	411.30	153.03
<i>For 60 Degree Bend, Deduct</i>	-77.05	
<i>For 30 Degree Bend, Deduct</i>	-136.92	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.37	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0259	EA		24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	486.20	192.58
			<i>For 60 Degree Bend, Deduct</i> .....	-86.61	
			<i>For 30 Degree Bend, Deduct</i> .....	-155.06	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-32.57	
26 05 36 00-0260	EA		30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	590.07	226.07
			<i>For 60 Degree Bend, Deduct</i> .....	-108.05	
			<i>For 30 Degree Bend, Deduct</i> .....	-192.65	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-40.17	
26 05 36 00-0261	EA		36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	693.40	273.65
			<i>For 60 Degree Bend, Deduct</i> .....	-123.91	
			<i>For 30 Degree Bend, Deduct</i> .....	-221.73	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-46.53	
<b>26 05 36 00-0262</b>			<b>12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>		
26 05 36 00-0263	EA		6" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	305.84	108.38
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-21.55	
26 05 36 00-0264	EA		9" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	334.44	123.77
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-23.13	
26 05 36 00-0265	EA		12" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	360.46	136.88
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-24.64	
26 05 36 00-0266	EA		18" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	417.76	167.76
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-27.80	
26 05 36 00-0267	EA		24" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	464.93	192.58
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-30.44	
26 05 36 00-0268	EA		30" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	516.67	216.75
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-33.61	
26 05 36 00-0269	EA		36" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	573.57	247.42
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-36.74	
<b>26 05 36 00-0270</b>			<b>24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>		
26 05 36 00-0271	EA		6" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	365.44	113.03
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-27.12	
26 05 36 00-0272	EA		9" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	398.09	130.05
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-28.97	
26 05 36 00-0273	EA		12" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	429.37	144.47
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-30.90	
26 05 36 00-0274	EA		18" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	497.66	179.46
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-34.81	
26 05 36 00-0275	EA		24" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	555.59	208.18
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-38.21	
26 05 36 00-0276	EA		30" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	613.99	236.25
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-41.71	
26 05 36 00-0277	EA		36" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	703.66	273.65
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-47.56	
<b>26 05 36 00-0278</b>			<b>36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>		
26 05 36 00-0279	EA		6" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	435.80	118.13
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-33.74	
26 05 36 00-0280	EA		9" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	475.60	136.88
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-36.16	
26 05 36 00-0281	EA		12" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	505.54	153.03
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-37.80	
26 05 36 00-0282	EA		18" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	591.57	192.58
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-43.11	
26 05 36 00-0283	EA		24" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	650.26	226.07
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-46.19	
26 05 36 00-0284	EA		30" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	744.35	260.09
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-52.76	

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0285	EA		36" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	840.29 -58.57	305.62
<b>26 05 36 00-0286</b>			<b>12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>		
26 05 36 00-0287	EA		6" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	548.14 -37.47	208.18
26 05 36 00-0288	EA		9" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	593.07 -40.47	226.07
26 05 36 00-0289	EA		12" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	622.07 -42.52	236.25
26 05 36 00-0290	EA		18" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	694.79 -47.80	260.09
26 05 36 00-0291	EA		24" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	787.60 -54.70	288.70
26 05 36 00-0292	EA		30" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	876.66 -62.15	306.16
26 05 36 00-0293	EA		36" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	992.17 -70.33	346.58
<b>26 05 36 00-0294</b>			<b>24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>		
26 05 36 00-0295	EA		6" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	692.19 -50.38	226.07
26 05 36 00-0296	EA		9" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	743.39 -53.69	247.85
26 05 36 00-0297	EA		12" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	775.89 -55.91	260.09
26 05 36 00-0298	EA		18" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	850.67 -61.01	288.70
26 05 36 00-0299	EA		24" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	944.34 -67.34	325.12
26 05 36 00-0300	EA		30" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,016.20 -72.74	346.58
26 05 36 00-0301	EA		36" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,228.98 -89.53	400.44
<b>26 05 36 00-0302</b>			<b>36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>		
26 05 36 00-0303	EA		6" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	884.56 -67.81	247.85
26 05 36 00-0304	EA		9" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	945.69 -71.76	273.65
26 05 36 00-0305	EA		12" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,003.85 -76.32	288.70
26 05 36 00-0306	EA		18" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,103.52 -83.26	325.12
26 05 36 00-0307	EA		24" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,252.31 -94.30	371.18
26 05 36 00-0308	EA		30" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,358.13 -102.45	400.44
26 05 36 00-0309	EA		36" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,529.47 -113.57	472.51
<b>26 05 36 00-0310</b>			<b>12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>		
26 05 36 00-0311	EA		6" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	663.41 -50.29	192.58

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 36 00-0312	EA 9" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	679.06	200.16
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.22	
26 05 36 00-0313	EA 12" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	695.32	208.18
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.19	
26 05 36 00-0314	EA 18" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	731.23	226.07
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.28	
26 05 36 00-0315	EA 24" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	754.22	236.25
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.73	
26 05 36 00-0316	EA 30" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	817.94	260.09
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.12	
26 05 36 00-0317	EA 36" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	880.70	288.70
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.01	
<b>26 05 36 00-0318</b>	<b>24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>		
26 05 36 00-0319	EA 6" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	965.63	208.18
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-79.22	
26 05 36 00-0320	EA 9" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	988.97	216.75
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-80.84	
26 05 36 00-0321	EA 12" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,013.56	226.07
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-82.52	
26 05 36 00-0322	EA 18" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,067.77	247.85
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-86.13	
26 05 36 00-0323	EA 24" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,106.27	260.09
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-88.95	
26 05 36 00-0324	EA 30" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,172.04	288.70
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-93.14	
26 05 36 00-0325	EA 36" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,262.71	325.12
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-99.18	
<b>26 05 36 00-0326</b>	<b>36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>		
26 05 36 00-0327	EA 6" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,533.16	226.07
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-134.48	
26 05 36 00-0328	EA 9" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,565.16	236.25
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-136.83	
26 05 36 00-0329	EA 12" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,599.39	247.85
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-139.29	
26 05 36 00-0330	EA 18" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,657.52	273.65
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-142.95	
26 05 36 00-0331	EA 24" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,697.65	288.70
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-145.70	
26 05 36 00-0332	EA 30" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,803.34	325.12
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-153.24	
26 05 36 00-0333	EA 36" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,895.05	371.18
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-158.58	
<b>26 05 36 00-0334</b>	<b>12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>		
26 05 36 00-0335	EA 6" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	682.78	260.09
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.60	
26 05 36 00-0336	EA 9" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	717.42	273.65
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.94	
26 05 36 00-0337	EA 12" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	766.57	288.70
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.60	
26 05 36 00-0338	EA 18" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	822.59	306.16
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.75	
26 05 36 00-0339	EA 24" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	926.10	346.58
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.73	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0340 EA 30" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,036.06	371.18
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-72.68	
26 05 36 00-0341 EA 36" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,132.87	400.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-79.92	
<b>26 05 36 00-0342 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small></b>		
26 05 36 00-0343 EA 6" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	964.80	288.70
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-72.42	
26 05 36 00-0344 EA 9" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,008.81	306.16
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-75.37	
26 05 36 00-0345 EA 12" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,055.47	325.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-78.45	
26 05 36 00-0346 EA 18" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,124.33	346.58
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-83.55	
26 05 36 00-0347 EA 24" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,250.01	400.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-91.63	
26 05 36 00-0348 EA 30" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,344.22	433.49
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-98.30	
26 05 36 00-0349 EA 36" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,508.45	472.51
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-111.46	
<b>26 05 36 00-0350 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small></b>		
26 05 36 00-0351 EA 6" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,217.66	325.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-94.67	
26 05 36 00-0352 EA 9" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,283.51	346.58
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-99.47	
26 05 36 00-0353 EA 12" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,354.43	371.18
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-104.51	
26 05 36 00-0354 EA 18" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,478.27	400.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-114.46	
26 05 36 00-0355 EA 24" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,688.66	472.51
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-129.49	
26 05 36 00-0356 EA 30" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,841.74	519.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-140.89	
26 05 36 00-0357 EA 36" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,015.40	578.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-153.33	
<b>26 05 36 00-0358 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small></b>		
26 05 36 00-0359 EA 6" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	794.96	260.09
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.82	
26 05 36 00-0360 EA 9" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	835.17	273.76
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.70	
26 05 36 00-0361 EA 12" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	894.88	288.70
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.43	
26 05 36 00-0362 EA 18" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	963.36	306.27
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-70.81	
26 05 36 00-0363 EA 24" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,082.88	346.58
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-79.40	
26 05 36 00-0364 EA 30" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,224.21	371.29
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-91.48	
26 05 36 00-0365 EA 36" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,341.54	399.90
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-100.83	
<b>26 05 36 00-0366 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small></b>		

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 36 00-0367	EA 6" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,182.41	288.70
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-94.18	
26 05 36 00-0368	EA 9" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,233.17	306.16
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-97.81	
26 05 36 00-0369	EA 12" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,286.59	325.12
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-101.57	
26 05 36 00-0370	EA 18" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,370.31	346.58
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-108.15	
26 05 36 00-0371	EA 24" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,512.21	400.44
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-117.85	
26 05 36 00-0372	EA 30" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,624.00	433.49
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-126.28	
26 05 36 00-0373	EA 36" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,832.83	472.51
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-143.90	
<b>26 05 36 00-0374</b>	<b>36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>		
26 05 36 00-0375	EA 6" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,521.76	325.12
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-125.08	
26 05 36 00-0376	EA 9" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,601.13	346.58
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-131.23	
26 05 36 00-0377	EA 12" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,685.56	371.18
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-137.63	
26 05 36 00-0378	EA 18" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,843.20	400.44
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-150.95	
26 05 36 00-0379	EA 24" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,094.13	472.51
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-170.03	
26 05 36 00-0380	EA 30" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,281.01	519.32
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-184.82	
26 05 36 00-0381	EA 36" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,488.45	578.50
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-200.64	
<b>26 05 36 00-0382</b>	<b>9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings</b> <small>(26 05 36 00-0002)</small>		
<b>26 05 36 00-0383</b>	<b>12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0382)</small>		
26 05 36 00-0384	EA 6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	259.95	108.70
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.94	
26 05 36 00-0385	EA 9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	291.45	123.77
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.83	
26 05 36 00-0386	EA 12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	320.67	136.88
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.66	
26 05 36 00-0387	EA 18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	399.74	167.76
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.99	
26 05 36 00-0388	EA 24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	456.17	192.58
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.57	
26 05 36 00-0389	EA 30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	538.95	216.75
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.83	
26 05 36 00-0390	EA 36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	620.62	247.74
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.42	
<b>26 05 36 00-0391</b>	<b>24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0382)</small>		
26 05 36 00-0392	EA 6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	351.11	113.03
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.69	
26 05 36 00-0393	EA 9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	384.28	129.94
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.60	
26 05 36 00-0394	EA 12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	414.79	144.47
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.44	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0395 EA 18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	486.77	179.46
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct .....	-33.72	
26 05 36 00-0396 EA 24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	548.39	208.18
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct .....	-37.49	
26 05 36 00-0397 EA 30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	612.80	236.25
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct .....	-41.59	
26 05 36 00-0398 EA 36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	716.42	273.65
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct .....	-48.84	
<b>26 05 36 00-0399 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0392)</b>		
26 05 36 00-0400 EA 6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	377.11	118.13
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct .....	-27.87	
26 05 36 00-0401 EA 9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	418.08	136.77
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct .....	-30.42	
26 05 36 00-0402 EA 12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	454.10	153.03
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct .....	-32.65	
26 05 36 00-0403 EA 18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	548.77	192.58
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct .....	-38.83	
26 05 36 00-0404 EA 24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	627.11	226.07
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct .....	-43.87	
26 05 36 00-0405 EA 30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	733.84	260.09
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct .....	-51.71	
26 05 36 00-0406 EA 36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	837.16	305.62
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct .....	-58.25	
<b>26 05 36 00-0407 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0392)</b>		
26 05 36 00-0408 EA 6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	192.58	78.78
For 60 Degree Bend, Deduct .....	-33.36	
For 30 Degree Bend, Deduct .....	-59.98	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct .....	-12.70	
26 05 36 00-0409 EA 9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	221.25	94.50
For 60 Degree Bend, Deduct .....	-36.80	
For 30 Degree Bend, Deduct .....	-66.59	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct .....	-14.25	
26 05 36 00-0410 EA 12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	246.96	108.38
For 60 Degree Bend, Deduct .....	-39.95	
For 30 Degree Bend, Deduct .....	-72.61	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct .....	-15.66	
26 05 36 00-0411 EA 18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	298.33	136.99
For 60 Degree Bend, Deduct .....	-45.95	
For 30 Degree Bend, Deduct .....	-84.19	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct .....	-18.42	
26 05 36 00-0412 EA 24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	369.70	167.76
For 60 Degree Bend, Deduct .....	-57.69	
For 30 Degree Bend, Deduct .....	-105.48	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct .....	-22.99	
26 05 36 00-0413 EA 30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	436.14	192.58
For 60 Degree Bend, Deduct .....	-70.09	
For 30 Degree Bend, Deduct .....	-127.52	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct .....	-27.56	
26 05 36 00-0414 EA 36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	496.96	226.07
For 60 Degree Bend, Deduct .....	-77.33	
For 30 Degree Bend, Deduct .....	-141.44	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct .....	-30.86	
<b>26 05 36 00-0415 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0392)</b>		
26 05 36 00-0416 EA 6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	212.99	81.28
For 60 Degree Bend, Deduct .....	-39.14	
For 30 Degree Bend, Deduct .....	-69.75	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct .....	-14.53	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 05 36 00-0417	EA	9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	245.91	97.97
		<i>For 60 Degree Bend, Deduct</i>	-43.59	
		<i>For 30 Degree Bend, Deduct</i>	-78.09	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.43	
26 05 36 00-0418	EA	12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	281.16	113.14
		<i>For 60 Degree Bend, Deduct</i>	-49.42	
		<i>For 30 Degree Bend, Deduct</i>	-88.65	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.69	
26 05 36 00-0419	EA	18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	335.95	144.47
		<i>For 60 Degree Bend, Deduct</i>	-55.47	
		<i>For 30 Degree Bend, Deduct</i>	-100.48	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.55	
26 05 36 00-0420	EA	24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	414.18	179.46
		<i>For 60 Degree Bend, Deduct</i>	-67.90	
		<i>For 30 Degree Bend, Deduct</i>	-123.13	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.47	
26 05 36 00-0421	EA	30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	484.57	208.18
		<i>For 60 Degree Bend, Deduct</i>	-80.12	
		<i>For 30 Degree Bend, Deduct</i>	-145.10	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.11	
26 05 36 00-0422	EA	36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	570.69	247.85
		<i>For 60 Degree Bend, Deduct</i>	-93.34	
		<i>For 30 Degree Bend, Deduct</i>	-169.33	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.42	
<b>26 05 36 00-0423</b>		<b>36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0382)</small>		
26 05 36 00-0424	EA	6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	251.11	83.88
		<i>For 60 Degree Bend, Deduct</i>	-50.73	
		<i>For 30 Degree Bend, Deduct</i>	-89.21	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.12	
26 05 36 00-0425	EA	9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	287.40	101.87
		<i>For 60 Degree Bend, Deduct</i>	-55.80	
		<i>For 30 Degree Bend, Deduct</i>	-98.65	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.25	
26 05 36 00-0426	EA	12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	317.19	118.23
		<i>For 60 Degree Bend, Deduct</i>	-59.35	
		<i>For 30 Degree Bend, Deduct</i>	-105.49	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.87	
26 05 36 00-0427	EA	18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	385.27	153.03
		<i>For 60 Degree Bend, Deduct</i>	-68.46	
		<i>For 30 Degree Bend, Deduct</i>	-122.61	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.77	
26 05 36 00-0428	EA	24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	458.67	192.58
		<i>For 60 Degree Bend, Deduct</i>	-77.53	
		<i>For 30 Degree Bend, Deduct</i>	-139.92	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.82	
26 05 36 00-0429	EA	30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	554.53	226.07
		<i>For 60 Degree Bend, Deduct</i>	-96.33	
		<i>For 30 Degree Bend, Deduct</i>	-173.10	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.61	
26 05 36 00-0430	EA	36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	653.85	273.65
		<i>For 60 Degree Bend, Deduct</i>	-110.86	
		<i>For 30 Degree Bend, Deduct</i>	-199.98	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.58	
<b>26 05 36 00-0431</b>		<b>12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0382)</small>		
26 05 36 00-0432	EA	6" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	289.51	108.38
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.92	
26 05 36 00-0433	EA	9" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	317.73	123.77
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.46	
26 05 36 00-0434	EA	12" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	343.19	136.88
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.92	
26 05 36 00-0435	EA	18" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	399.74	167.76
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.99	
26 05 36 00-0436	EA	24" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	446.16	192.58
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.57	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0437 EA 30" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... 496.40	496.40	216.75
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.58	
26 05 36 00-0438 EA 36" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... 552.54	552.54	247.42
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.64	
<b>26 05 36 00-0439 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)</b>		
26 05 36 00-0440 EA 6" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... 342.35	342.35	113.03
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.81	
26 05 36 00-0441 EA 9" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... 374.43	374.43	130.05
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.61	
26 05 36 00-0442 EA 12" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... 404.78	404.78	144.47
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.44	
26 05 36 00-0443 EA 18" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... 471.75	471.75	179.46
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.22	
26 05 36 00-0444 EA 24" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... 528.37	528.37	208.18
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.49	
26 05 36 00-0445 EA 30" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... 585.27	585.27	236.25
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.84	
26 05 36 00-0446 EA 36" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... 671.37	671.37	273.65
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.33	
<b>26 05 36 00-0447 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)</b>		
26 05 36 00-0448 EA 6" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... 404.64	404.64	118.13
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.62	
26 05 36 00-0449 EA 9" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... 443.31	443.31	136.88
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.93	
26 05 36 00-0450 EA 12" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... 472.87	472.87	153.03
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.53	
26 05 36 00-0451 EA 18" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... 556.28	556.28	192.58
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.58	
26 05 36 00-0452 EA 24" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... 614.60	614.60	226.07
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-42.62	
26 05 36 00-0453 EA 30" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... 703.80	703.80	260.09
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-48.71	
26 05 36 00-0454 EA 36" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... 797.11	797.11	305.62
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-54.25	
<b>26 05 36 00-0455 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)</b>		
26 05 36 00-0456 EA 6" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... 514.61	514.61	208.18
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.12	
26 05 36 00-0457 EA 9" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... 557.03	557.03	226.07
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-36.86	
26 05 36 00-0458 EA 12" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... 584.02	584.02	236.25
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.71	
26 05 36 00-0459 EA 18" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... 651.24	651.24	260.09
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-43.45	
26 05 36 00-0460 EA 24" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... 736.54	736.54	288.70
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-49.59	
26 05 36 00-0461 EA 30" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... 815.59	815.59	306.16
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-56.05	
26 05 36 00-0462 EA 36" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... 923.09	923.09	346.58
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-63.42	
<b>26 05 36 00-0463 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)</b>		

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 36 00-0464	EA 6" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	639.63	226.07
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.12	
26 05 36 00-0465	EA 9" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	688.33	247.85
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.18	
26 05 36 00-0466	EA 12" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	718.82	260.09
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.21	
26 05 36 00-0467	EA 18" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	789.10	288.70
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.85	
26 05 36 00-0468	EA 24" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	877.26	325.12
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.63	
26 05 36 00-0469	EA 30" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	943.11	346.58
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.43	
26 05 36 00-0470	EA 36" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,135.37	400.44
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-80.17	
<b>26 05 36 00-0471</b>	<b>36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0382)</small>		
26 05 36 00-0472	EA 6" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	805.97	247.85
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.95	
26 05 36 00-0473	EA 9" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	864.09	273.65
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.60	
26 05 36 00-0474	EA 12" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	916.75	288.70
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.61	
26 05 36 00-0475	EA 18" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,009.91	325.12
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-73.90	
26 05 36 00-0476	EA 24" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,146.68	371.18
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-83.74	
26 05 36 00-0477	EA 30" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,243.00	400.44
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-90.93	
26 05 36 00-0478	EA 36" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,405.83	472.51
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-101.20	
<b>26 05 36 00-0479</b>	<b>12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0382)</small>		
26 05 36 00-0480	EA 6" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	606.34	192.58
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.58	
26 05 36 00-0481	EA 9" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	621.49	200.16
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.47	
26 05 36 00-0482	EA 12" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	637.25	208.18
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.38	
26 05 36 00-0483	EA 18" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	672.16	226.07
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.38	
26 05 36 00-0484	EA 24" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	694.15	236.25
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.73	
26 05 36 00-0485	EA 30" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	753.86	260.09
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.71	
26 05 36 00-0486	EA 36" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	814.13	288.70
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.35	
<b>26 05 36 00-0487</b>	<b>24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0382)</small>		
26 05 36 00-0488	EA 6" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	862.51	208.18
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-68.91	
26 05 36 00-0489	EA 9" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	884.35	216.75
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-70.37	
26 05 36 00-0490	EA 12" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	907.44	226.07
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-71.90	
26 05 36 00-0491	EA 18" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	958.64	247.85
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-75.21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 36 00-0492	EA		24" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	994.14	260.09
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-77.74	
26 05 36 00-0493	EA		30" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,056.91	288.70
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-81.63	
26 05 36 00-0494	EA		36" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,142.57	325.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-87.16	
<b>26 05 36 00-0495</b>			<b>36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small></b>		
26 05 36 00-0496	EA		6" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,340.44	226.07
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-115.20	
26 05 36 00-0497	EA		9" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,369.93	236.25
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-117.30	
26 05 36 00-0498	EA		12" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,401.66	247.85
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-119.52	
26 05 36 00-0499	EA		18" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,457.28	273.65
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-122.92	
26 05 36 00-0500	EA		24" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,494.92	288.70
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-125.43	
26 05 36 00-0501	EA		30" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,593.09	325.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-132.22	
26 05 36 00-0502	EA		36" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,682.31	371.18
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-137.30	
<b>26 05 36 00-0503</b>			<b>12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small></b>		
26 05 36 00-0504	EA		6" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	641.23	260.09
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.45	
26 05 36 00-0505	EA		9" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	673.87	273.65
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.58	
26 05 36 00-0506	EA		12" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	719.02	288.70
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.84	
26 05 36 00-0507	EA		18" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	770.53	306.16
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.54	
26 05 36 00-0508	EA		24" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	868.03	346.58
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.92	
26 05 36 00-0509	EA		30" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	966.47	371.18
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.72	
26 05 36 00-0510	EA		36" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,055.28	400.44
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-72.16	
<b>26 05 36 00-0511</b>			<b>24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small></b>		
26 05 36 00-0512	EA		6" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	884.21	288.70
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.36	
26 05 36 00-0513	EA		9" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	925.71	306.16
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.06	
26 05 36 00-0514	EA		12" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	969.87	325.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-69.89	
26 05 36 00-0515	EA		18" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,033.22	346.58
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-74.44	
26 05 36 00-0516	EA		24" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,152.89	400.44
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-81.92	
26 05 36 00-0517	EA		30" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,240.60	433.49
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-87.94	
26 05 36 00-0518	EA		36" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,388.31	472.51
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-99.45	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0519			<b>36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0382)</small>		
26 05 36 00-0520	EA		6" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,105.02	325.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-83.41	
26 05 36 00-0521	EA		9" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,165.87	346.58
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-87.70	
26 05 36 00-0522	EA		12" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,231.78	371.18
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-92.25	
26 05 36 00-0523	EA		18" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,343.12	400.44
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-100.95	
26 05 36 00-0524	EA		24" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,538.48	472.51
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-114.47	
26 05 36 00-0525	EA		30" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,679.06	519.32
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-124.63	
26 05 36 00-0526	EA		36" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,840.20	578.50
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-135.81	
26 05 36 00-0527			<b>12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0382)</small>		
26 05 36 00-0528	EA		6" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	734.72	260.09
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.80	
26 05 36 00-0529	EA		9" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	772.02	273.76
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.39	
26 05 36 00-0530	EA		12" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	825.93	288.70
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.54	
26 05 36 00-0531	EA		18" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	887.87	306.27
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.27	
26 05 36 00-0532	EA		24" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	998.68	346.58
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-70.98	
26 05 36 00-0533	EA		30" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,123.32	371.29
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-81.39	
26 05 36 00-0534	EA		36" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,229.04	399.90
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-89.58	
26 05 36 00-0535			<b>24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0382)</small>		
26 05 36 00-0536	EA		6" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,065.54	288.70
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-82.49	
26 05 36 00-0537	EA		9" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,112.68	306.16
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-85.76	
26 05 36 00-0538	EA		12" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,162.47	325.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-89.15	
26 05 36 00-0539	EA		18" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,238.21	346.58
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-94.94	
26 05 36 00-0540	EA		24" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,371.40	400.44
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-103.77	
26 05 36 00-0541	EA		30" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,473.75	433.49
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-111.25	
26 05 36 00-0542	EA		36" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,658.62	472.51
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-126.48	
26 05 36 00-0543			<b>36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0382)</small>		
26 05 36 00-0544	EA		6" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,358.44	325.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-108.75	
26 05 36 00-0545	EA		9" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,430.56	346.58
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-114.17	
26 05 36 00-0546	EA		12" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,507.73	371.18
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-119.84	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0547 EA 18" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,647.22	400.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-131.36	
26 05 36 00-0548 EA 24" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,876.38	472.51
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-148.26	
26 05 36 00-0549 EA 30" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,045.11	519.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-161.23	
26 05 36 00-0550 EA 36" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,234.41	578.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-175.23	
<b>26 05 36 00-0551 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings</b> <small>(26 05 36 00-0002)</small>		
<b>26 05 36 00-0552 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0551)</small>		
26 05 36 00-0553 EA 6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	254.43	108.70
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.39	
26 05 36 00-0554 EA 9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	285.49	123.77
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.23	
26 05 36 00-0555 EA 12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	314.19	136.88
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.02	
26 05 36 00-0556 EA 18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	391.33	167.76
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.15	
26 05 36 00-0557 EA 24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	446.71	192.58
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.62	
26 05 36 00-0558 EA 30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	526.51	216.75
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.59	
26 05 36 00-0559 EA 36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	606.08	247.74
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.96	
<b>26 05 36 00-0560 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0551)</small>		
26 05 36 00-0561 EA 6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	339.72	113.03
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.55	
26 05 36 00-0562 EA 9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	372.54	129.94
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.43	
26 05 36 00-0563 EA 12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	402.62	144.47
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.22	
26 05 36 00-0564 EA 18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	473.63	179.46
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.41	
26 05 36 00-0565 EA 24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	534.29	208.18
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.08	
26 05 36 00-0566 EA 30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	597.47	236.25
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.06	
26 05 36 00-0567 EA 36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	698.20	273.65
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.01	
<b>26 05 36 00-0568 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0551)</small>		
26 05 36 00-0569 EA 6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	364.49	118.13
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.60	
26 05 36 00-0570 EA 9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	404.77	136.77
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.08	
26 05 36 00-0571 EA 12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	440.17	153.03
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.26	
26 05 36 00-0572 EA 18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	532.83	192.58
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.23	
26 05 36 00-0573 EA 24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	609.59	226.07
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.12	
26 05 36 00-0574 EA 30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	712.81	260.09
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.61	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 05 36 00-0575	EA	36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	814.21	305.62
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.96	
<b>26 05 36 00-0576</b>		<b>12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0551)</small>		
26 05 36 00-0577	EA	6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	188.29	78.78
		<i>For 60 Degree Bend, Deduct</i>	-31.95	
		<i>For 30 Degree Bend, Deduct</i>	-57.62	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.27	
26 05 36 00-0578	EA	9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	216.79	94.50
		<i>For 60 Degree Bend, Deduct</i>	-35.33	
		<i>For 30 Degree Bend, Deduct</i>	-64.13	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.81	
26 05 36 00-0579	EA	12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	242.31	108.38
		<i>For 60 Degree Bend, Deduct</i>	-38.42	
		<i>For 30 Degree Bend, Deduct</i>	-70.05	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.20	
26 05 36 00-0580	EA	18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	293.43	136.99
		<i>For 60 Degree Bend, Deduct</i>	-44.33	
		<i>For 30 Degree Bend, Deduct</i>	-81.50	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.93	
26 05 36 00-0581	EA	24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	363.40	167.76
		<i>For 60 Degree Bend, Deduct</i>	-55.61	
		<i>For 30 Degree Bend, Deduct</i>	-102.01	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.36	
26 05 36 00-0582	EA	30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	428.08	192.58
		<i>For 60 Degree Bend, Deduct</i>	-67.43	
		<i>For 30 Degree Bend, Deduct</i>	-123.09	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.76	
26 05 36 00-0583	EA	36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	488.55	226.07
		<i>For 60 Degree Bend, Deduct</i>	-74.55	
		<i>For 30 Degree Bend, Deduct</i>	-136.82	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.01	
<b>26 05 36 00-0584</b>		<b>24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0551)</small>		
26 05 36 00-0585	EA	6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	207.56	81.28
		<i>For 60 Degree Bend, Deduct</i>	-37.35	
		<i>For 30 Degree Bend, Deduct</i>	-66.77	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.99	
26 05 36 00-0586	EA	9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	240.12	97.97
		<i>For 60 Degree Bend, Deduct</i>	-41.68	
		<i>For 30 Degree Bend, Deduct</i>	-74.91	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.85	
26 05 36 00-0587	EA	12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	274.68	113.14
		<i>For 60 Degree Bend, Deduct</i>	-47.28	
		<i>For 30 Degree Bend, Deduct</i>	-85.08	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.04	
26 05 36 00-0588	EA	18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	329.29	144.47
		<i>For 60 Degree Bend, Deduct</i>	-53.27	
		<i>For 30 Degree Bend, Deduct</i>	-96.82	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.89	
26 05 36 00-0589	EA	24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	406.12	179.46
		<i>For 60 Degree Bend, Deduct</i>	-65.24	
		<i>For 30 Degree Bend, Deduct</i>	-118.70	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.66	
26 05 36 00-0590	EA	30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	474.93	208.18
		<i>For 60 Degree Bend, Deduct</i>	-76.94	
		<i>For 30 Degree Bend, Deduct</i>	-139.79	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.15	
26 05 36 00-0591	EA	36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	559.66	247.85
		<i>For 60 Degree Bend, Deduct</i>	-89.70	
		<i>For 30 Degree Bend, Deduct</i>	-163.26	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.32	
<b>26 05 36 00-0592</b>		<b>36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0551)</small>		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 36 00-0593	EA	6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	243.31	83.88
		<i>For 60 Degree Bend, Deduct</i> .....	-48.15	
		<i>For 30 Degree Bend, Deduct</i> .....	-84.92	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-17.34	
26 05 36 00-0594	EA	9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	279.16	101.87
		<i>For 60 Degree Bend, Deduct</i> .....	-53.08	
		<i>For 30 Degree Bend, Deduct</i> .....	-94.12	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-19.43	
26 05 36 00-0595	EA	12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	308.78	118.23
		<i>For 60 Degree Bend, Deduct</i> .....	-56.58	
		<i>For 30 Degree Bend, Deduct</i> .....	-100.86	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-21.03	
26 05 36 00-0596	EA	18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	376.16	153.03
		<i>For 60 Degree Bend, Deduct</i> .....	-65.46	
		<i>For 30 Degree Bend, Deduct</i> .....	-117.60	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-24.86	
26 05 36 00-0597	EA	24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	449.03	192.58
		<i>For 60 Degree Bend, Deduct</i> .....	-74.35	
		<i>For 30 Degree Bend, Deduct</i> .....	-134.61	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-28.85	
26 05 36 00-0598	EA	30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	542.09	226.07
		<i>For 60 Degree Bend, Deduct</i> .....	-92.22	
		<i>For 30 Degree Bend, Deduct</i> .....	-166.26	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-35.37	
26 05 36 00-0599	EA	36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	640.01	273.65
		<i>For 60 Degree Bend, Deduct</i> .....	-106.30	
		<i>For 30 Degree Bend, Deduct</i> .....	-192.36	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-41.20	
26 05 36 00-0600		<b>12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0551)</small>		
26 05 36 00-0601	EA	6" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	281.89	108.38
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-19.16	
26 05 36 00-0602	EA	9" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	309.93	123.77
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-20.68	
26 05 36 00-0603	EA	12" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	335.13	136.88
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-22.11	
26 05 36 00-0604	EA	18" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	391.33	167.76
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-25.15	
26 05 36 00-0605	EA	24" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	437.40	192.58
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-27.69	
26 05 36 00-0606	EA	30" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	486.94	216.75
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-30.63	
26 05 36 00-0607	EA	36" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	542.73	247.42
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-33.65	
26 05 36 00-0608		<b>24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0551)</small>		
26 05 36 00-0609	EA	6" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	331.57	113.03
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-23.74	
26 05 36 00-0610	EA	9" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	363.40	130.05
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-25.50	
26 05 36 00-0611	EA	12" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	393.30	144.47
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-27.29	
26 05 36 00-0612	EA	18" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	459.66	179.46
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-31.01	
26 05 36 00-0613	EA	24" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	515.67	208.18
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-34.22	
26 05 36 00-0614	EA	30" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	571.87	236.25
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-37.50	
26 05 36 00-0615	EA	36" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	656.30	273.65
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-42.82	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0616			<b>36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0551)</small>		
26 05 36 00-0617	EA		6" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	390.10	118.13
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.17	
26 05 36 00-0618	EA		9" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	428.24	136.88
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.42	
26 05 36 00-0619	EA		12" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	457.63	153.03
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.01	
26 05 36 00-0620	EA		18" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	539.81	192.58
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.93	
26 05 36 00-0621	EA		24" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	597.95	226.07
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.95	
26 05 36 00-0622	EA		30" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	684.88	260.09
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.81	
26 05 36 00-0623	EA		36" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	776.97	305.62
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.23	
26 05 36 00-0624			<b>12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0551)</small>		
26 05 36 00-0625	EA		6" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	497.84	208.18
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.44	
26 05 36 00-0626	EA		9" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	539.01	226.07
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.06	
26 05 36 00-0627	EA		12" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	565.00	236.25
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.81	
26 05 36 00-0628	EA		18" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	629.47	260.09
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.27	
26 05 36 00-0629	EA		24" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	711.01	288.70
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.04	
26 05 36 00-0630	EA		30" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	785.05	306.16
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.99	
26 05 36 00-0631	EA		36" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	888.55	346.58
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.97	
26 05 36 00-0632			<b>24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0551)</small>		
26 05 36 00-0633	EA		6" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	613.34	226.07
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.49	
26 05 36 00-0634	EA		9" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	660.80	247.85
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.43	
26 05 36 00-0635	EA		12" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	690.29	260.09
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.35	
26 05 36 00-0636	EA		18" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	758.31	288.70
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.77	
26 05 36 00-0637	EA		24" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	843.72	325.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.28	
26 05 36 00-0638	EA		30" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	906.57	346.58
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.77	
26 05 36 00-0639	EA		36" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,088.57	400.44
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-75.49	
26 05 36 00-0640			<b>36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0551)</small>		
26 05 36 00-0641	EA		6" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	766.67	247.85
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.02	
26 05 36 00-0642	EA		9" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	823.30	273.65
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.52	
26 05 36 00-0643	EA		12" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	873.20	288.70
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.26	



26 05 36 00-0644	EA	18" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	963.11	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-69.22	
		<i>Tray Fitting.....</i>	1,093.87	
		<i>Tray Fitting.....</i>	-78.46	
26 05 36 00-0645	EA	24" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,185.43	325.12
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-85.18	
26 05 36 00-0646	EA	30" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,344.01	371.18
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-95.02	
26 05 36 00-0647	EA	36" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,185.43	400.44
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-85.18	
26 05 36 00-0648		<b>12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0551)</small>		
26 05 36 00-0649	EA	6" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	577.81	472.51
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.73	
26 05 36 00-0650	EA	9" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	592.71	325.12
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.59	
26 05 36 00-0651	EA	12" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	608.21	200.16
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.48	
26 05 36 00-0652	EA	18" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	642.63	208.18
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.42	
26 05 36 00-0653	EA	24" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	664.11	226.07
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.72	
26 05 36 00-0654	EA	30" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	721.83	236.25
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.51	
26 05 36 00-0655	EA	36" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	780.84	260.09
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.02	
26 05 36 00-0656		<b>24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0551)</small>		
26 05 36 00-0657	EA	6" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	810.95	288.70
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.75	
26 05 36 00-0658	EA	9" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	832.04	325.12
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.14	
26 05 36 00-0659	EA	12" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	854.38	226.07
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-66.60	
26 05 36 00-0660	EA	18" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	904.08	247.85
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-69.76	
26 05 36 00-0661	EA	24" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	938.08	260.09
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-72.13	
26 05 36 00-0662	EA	30" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	999.34	288.70
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-75.87	
26 05 36 00-0663	EA	36" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,082.50	325.12
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-81.16	
26 05 36 00-0664		<b>36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0551)</small>		
26 05 36 00-0665	EA	6" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,244.08	226.07
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-105.57	
26 05 36 00-0666	EA	9" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,272.32	236.25
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-107.54	
26 05 36 00-0667	EA	12" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,302.79	247.85
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-109.63	
26 05 36 00-0668	EA	18" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,357.17	273.65
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-112.91	
26 05 36 00-0669	EA	24" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,393.55	288.70
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-115.29	
26 05 36 00-0670	EA	30" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,487.97	325.12
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-121.70	
26 05 36 00-0671	EA	36" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,575.93	371.18
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-126.66	

**26 Electrical**  
**26 05 Common Work Results for Electrical**  
**26 05 36 Cable Trays for Electrical Systems**



MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

Item ID	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0672			12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0673	EA		6" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	620.46	260.09
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.37	
26 05 36 00-0674	EA		9" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	652.10	273.65
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.40	
26 05 36 00-0675	EA		12" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	695.24	288.70
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.46	
26 05 36 00-0676	EA		18" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	744.50	306.16
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.94	
26 05 36 00-0677	EA		24" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	838.99	346.58
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.01	
26 05 36 00-0678	EA		30" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	931.68	371.18
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.24	
26 05 36 00-0679	EA		36" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	1,016.49	400.44
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-68.28	
26 05 36 00-0680			24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0681	EA		6" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	843.91	288.70
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.33	
26 05 36 00-0682	EA		9" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	884.16	306.16
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.90	
26 05 36 00-0683	EA		12" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	927.07	325.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.61	
26 05 36 00-0684	EA		18" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	987.67	346.58
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-69.88	
26 05 36 00-0685	EA		24" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	1,104.34	400.44
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-77.07	
26 05 36 00-0686	EA		30" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	1,188.79	433.49
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-82.75	
26 05 36 00-0687	EA		36" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	1,328.24	472.51
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-93.44	
26 05 36 00-0688			36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0689	EA		6" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,048.71	325.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-77.78	
26 05 36 00-0690	EA		9" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,107.06	346.58
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-81.82	
26 05 36 00-0691	EA		12" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	1,170.46	371.18
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-86.12	
26 05 36 00-0692	EA		18" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	1,275.54	400.44
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-94.19	
26 05 36 00-0693	EA		24" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	1,463.40	472.51
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-106.96	
26 05 36 00-0694	EA		30" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	1,597.71	519.32
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-116.49	
26 05 36 00-0695	EA		36" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	1,752.60	578.50
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-127.05	
26 05 36 00-0696			12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0697	EA		6" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	704.59	260.09
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.78	
26 05 36 00-0698	EA		9" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	740.45	273.76
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.23	

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 36 00-0699	EA 12" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	791.45	288.70
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.09	
26 05 36 00-0700	EA 18" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	850.12	306.27
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.49	
26 05 36 00-0701	EA 24" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	956.58	346.58
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-66.77	
26 05 36 00-0702	EA 30" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,072.88	371.29
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-76.35	
26 05 36 00-0703	EA 36" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,172.79	399.90
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-83.95	
<b>26 05 36 00-0704</b>	<b>24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)</b>		
26 05 36 00-0705	EA 6" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,007.11	288.70
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-76.65	
26 05 36 00-0706	EA 9" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,052.44	306.16
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-79.73	
26 05 36 00-0707	EA 12" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,100.41	325.12
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-82.95	
26 05 36 00-0708	EA 18" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,172.16	346.58
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-88.33	
26 05 36 00-0709	EA 24" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,300.99	400.44
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-96.73	
26 05 36 00-0710	EA 30" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,398.62	433.49
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-103.74	
26 05 36 00-0711	EA 36" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,571.52	472.51
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-117.77	
<b>26 05 36 00-0712</b>	<b>36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)</b>		
26 05 36 00-0713	EA 6" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,276.79	325.12
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-100.59	
26 05 36 00-0714	EA 9" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,345.27	346.58
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-105.64	
26 05 36 00-0715	EA 12" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,418.81	371.18
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-110.95	
26 05 36 00-0716	EA 18" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,549.23	400.44
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-121.56	
26 05 36 00-0717	EA 24" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,767.50	472.51
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-137.37	
26 05 36 00-0718	EA 30" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,927.16	519.32
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-149.44	
26 05 36 00-0719	EA 36" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,107.38	578.50
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-162.53	
<b>26 05 36 00-0720</b>	<b>Dropout Or End Plates And Reducers (26 05 36 00-0002)</b>		
<b>26 05 36 00-0721</b>	<b>Straight Reducers (26 05 36 00-0720)</b>		
26 05 36 00-0722	EA 9"-6" Reducer, Steel Cable Tray.....	248.46	79.98
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.18	
26 05 36 00-0723	EA 12"-9" Reducer, Steel Cable Tray.....	261.99	86.59
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.98	
26 05 36 00-0724	EA 18"-12" Reducer, Steel Cable Tray.....	284.26	99.92
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.10	
26 05 36 00-0725	EA 24"-18" Reducer, Steel Cable Tray.....	312.84	115.64
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.65	
26 05 36 00-0726	EA 30"-24" Reducer, Steel Cable Tray.....	339.39	130.05
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.10	
26 05 36 00-0727	EA 36"-30" Reducer, Steel Cable Tray.....	385.31	148.58
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.15	
<b>26 05 36 00-0728</b>	<b>Reducers (26 05 36 00-0720)</b>		
26 05 36 00-0729	EA 18"-6" Reducer, Steel Cable Tray.....	289.37	100.03
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.60	

**26 Electrical**  
**26 05 Common Work Results for Electrical**  
**26 05 36 Cable Trays for Electrical Systems**



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 05 36 00-0730	EA	24"-12" Reducer, Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	318.13 -22.16		115.75
26 05 36 00-0731	EA	30"-12" Reducer, Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	349.23 -24.09		129.94
26 05 36 00-0732	EA	30"-18" Reducer, Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	354.07 -24.59		129.83
26 05 36 00-0733	EA	36"-12" Reducer, Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	387.81 -26.40		148.58
26 05 36 00-0734	EA	36"-18" Reducer, Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	399.33 -27.23		152.49
26 05 36 00-0735	EA	36"-24" Reducer, Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	412.45 -28.13		157.36
<b>26 05 36 00-0736 Dropout Or End Plate</b> <small>(26 05 36 00-0720)</small>					
26 05 36 00-0737	EA	6" Dropout Or End Plate, Steel Cable Tray	67.07		32.51
26 05 36 00-0738	EA	9" Dropout Or End Plate, Steel Cable Tray	77.02		37.17
26 05 36 00-0739	EA	12" Dropout Or End Plate, Steel Cable Tray	83.17		39.99
26 05 36 00-0740	EA	18" Dropout Or End Plate, Steel Cable Tray	98.18		47.25
26 05 36 00-0741	EA	24" Dropout Or End Plate, Steel Cable Tray	110.22		52.02
26 05 36 00-0742	EA	30" Dropout Or End Plate, Steel Cable Tray	122.13		57.76
26 05 36 00-0743	EA	36" Dropout Or End Plate, Steel Cable Tray	137.91		65.02
<b>26 05 36 00-0744 Ladder Bottom Aluminum Cable Tray</b> <small>(26 05 36 00-0001)</small> Note: 4-5/8" Height					
<b>26 05 36 00-0745 Straight Tray Sections</b> <small>(26 05 36 00-0744)</small>					
<b>26 05 36 00-0746 4" Rung Spacing</b> <small>(26 05 36 00-0745)</small>					
26 05 36 00-0747	LF	6" Aluminum Cable Tray, 4" Rung Spacing, Straight Section <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	34.60 3.92 -2.83 1.73		7.59
26 05 36 00-0748	LF	9" Aluminum Cable Tray, 4" Rung Spacing, Straight Section <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	36.51 4.14 -2.99 1.83		8.02
26 05 36 00-0749	LF	12" Aluminum Cable Tray, 4" Rung Spacing, Straight Section <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	38.42 4.37 -3.14 1.92		8.34
26 05 36 00-0750	LF	18" Aluminum Cable Tray, 4" Rung Spacing, Straight Section <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	42.51 4.85 -3.49 2.13		9.10
26 05 36 00-0751	LF	24" Aluminum Cable Tray, 4" Rung Spacing, Straight Section <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	48.01 5.58 -3.99 2.40		9.75
26 05 36 00-0752	LF	30" Aluminum Cable Tray, 4" Rung Spacing, Straight Section <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	52.33 6.12 -4.37 2.62		10.41
26 05 36 00-0753	LF	36" Aluminum Cable Tray, 4" Rung Spacing, Straight Section <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	56.30 6.60 -4.71 2.82		11.06
<b>26 05 36 00-0754 6" Rung Spacing</b> <small>(26 05 36 00-0745)</small>					
26 05 36 00-0755	LF	6" Aluminum Cable Tray, 6" Rung Spacing, Straight Section <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	32.60 3.62 -2.63 1.63		7.59
26 05 36 00-0756	LF	9" Aluminum Cable Tray, 6" Rung Spacing, Straight Section <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	34.40 3.83 -2.77 1.72		8.02
26 05 36 00-0757	LF	12" Aluminum Cable Tray, 6" Rung Spacing, Straight Section <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	36.20 4.04 -2.92 1.81		8.34
26 05 36 00-0758	LF	18" Aluminum Cable Tray, 6" Rung Spacing, Straight Section <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	40.03 4.48 -3.24 2.00		9.10
26 05 36 00-0759	LF	24" Aluminum Cable Tray, 6" Rung Spacing, Straight Section <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	45.12 5.15 -3.70 2.26		9.75
26 05 36 00-0760	LF	30" Aluminum Cable Tray, 6" Rung Spacing, Straight Section <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	49.14 5.64 -4.05 2.46		10.41
26 05 36 00-0761	LF	36" Aluminum Cable Tray, 6" Rung Spacing, Straight Section <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	52.85 6.08 -4.36 2.64		11.06

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 05 36 00-0762</b>		<b>9" Rung Spacing</b> <small>(26 05 36 00-0745)</small>		
26 05 36 00-0763	LF	6" Aluminum Cable Tray, 9" Rung Spacing, Straight Section ..... <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	29.64 3.23 -2.36 1.48	7.26
26 05 36 00-0764	LF	9" Aluminum Cable Tray, 9" Rung Spacing, Straight Section ..... <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	30.27 3.27 -2.39 1.51	7.59
26 05 36 00-0765	LF	12" Aluminum Cable Tray, 9" Rung Spacing, Straight Section ..... <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	32.24 3.51 -2.56 1.61	8.02
26 05 36 00-0766	LF	18" Aluminum Cable Tray, 9" Rung Spacing, Straight Section ..... <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	34.49 3.75 -2.74 1.72	8.56
26 05 36 00-0767	LF	24" Aluminum Cable Tray, 9" Rung Spacing, Straight Section ..... <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	38.09 4.24 -3.07 1.90	8.88
26 05 36 00-0768	LF	30" Aluminum Cable Tray, 9" Rung Spacing, Straight Section ..... <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	41.92 4.69 -3.39 2.10	9.53
26 05 36 00-0769	LF	36" Aluminum Cable Tray, 9" Rung Spacing, Straight Section ..... <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	44.76 4.98 -3.61 2.24	10.41
<b>26 05 36 00-0770</b>		<b>12" Rung Spacing</b> <small>(26 05 36 00-0745)</small>		
26 05 36 00-0771	LF	6" Aluminum Cable Tray, 12" Rung Spacing, Straight Section ..... <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	28.92 3.17 -2.31 1.45	7.05
26 05 36 00-0772	LF	9" Aluminum Cable Tray, 12" Rung Spacing, Straight Section ..... <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	29.44 3.20 -2.34 1.47	7.26
26 05 36 00-0773	LF	12" Aluminum Cable Tray, 12" Rung Spacing, Straight Section ..... <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	30.74 3.32 -2.43 1.54	7.70
26 05 36 00-0774	LF	18" Aluminum Cable Tray, 12" Rung Spacing, Straight Section ..... <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	32.56 3.52 -2.58 1.63	8.13
26 05 36 00-0775	LF	24" Aluminum Cable Tray, 12" Rung Spacing, Straight Section ..... <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	34.89 3.85 -2.80 1.74	8.24
26 05 36 00-0776	LF	30" Aluminum Cable Tray, 12" Rung Spacing, Straight Section ..... <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	37.66 4.14 -3.01 1.88	9.10
26 05 36 00-0777	LF	36" Aluminum Cable Tray, 12" Rung Spacing, Straight Section ..... <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	40.10 4.38 -3.19 2.01	9.86
<b>26 05 36 00-0778</b>		<b>18" Rung Spacing</b> <small>(26 05 36 00-0745)</small>		
26 05 36 00-0779	LF	6" Aluminum Cable Tray, 18" Rung Spacing, Straight Section ..... <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	28.51 3.14 -2.28 1.43	6.83
26 05 36 00-0780	LF	9" Aluminum Cable Tray, 18" Rung Spacing, Straight Section ..... <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	28.74 3.13 -2.28 1.44	7.16
26 05 36 00-0781	LF	12" Aluminum Cable Tray, 18" Rung Spacing, Straight Section ..... <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	30.20 3.30 -2.40 1.51	7.37
26 05 36 00-0782	LF	18" Aluminum Cable Tray, 18" Rung Spacing, Straight Section ..... <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	31.81 3.48 -2.53 1.59	7.80
26 05 36 00-0783	LF	24" Aluminum Cable Tray, 18" Rung Spacing, Straight Section ..... <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	33.47 3.70 -2.69 1.67	7.91
26 05 36 00-0784	LF	30" Aluminum Cable Tray, 18" Rung Spacing, Straight Section ..... <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	35.35 3.87 -2.82 1.77	8.67

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 36 00-0785	LF 36" Aluminum Cable Tray, 18" Rung Spacing, Straight Section <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	37.70 4.08 -2.98 1.89	9.43
26 05 36 00-0786	4" Rung Tray Fittings <small>(26 05 36 00-0744)</small>		
26 05 36 00-0787	90 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-0786)</small>		
26 05 36 00-0788	EA 6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	288.84 -19.83 14.44	108.70
26 05 36 00-0789	EA 9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	316.80 -21.36 15.84	123.77
26 05 36 00-0790	EA 12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	358.97 -24.49 17.95	136.88
26 05 36 00-0791	EA 18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	426.87 -28.71 21.34	167.76
26 05 36 00-0792	EA 24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	503.74 -34.32 25.19	192.58
26 05 36 00-0793	EA 30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	554.87 -37.43 27.74	216.75
26 05 36 00-0794	EA 36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	647.42 -44.10 32.37	247.74
26 05 36 00-0795	90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-0786)</small>		
26 05 36 00-0796	EA 6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	379.33 -28.51 18.97	113.03
26 05 36 00-0797	EA 9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	415.67 -30.74 20.78	129.94
26 05 36 00-0798	EA 12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	449.47 -32.91 22.47	144.47
26 05 36 00-0799	EA 18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	525.41 -37.59 26.27	179.46
26 05 36 00-0800	EA 24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	595.09 -42.16 29.75	208.18
26 05 36 00-0801	EA 30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	665.16 -46.83 33.26	236.25
26 05 36 00-0802	EA 36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	761.57 -53.35 38.08	273.65
26 05 36 00-0803	90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-0786)</small>		
26 05 36 00-0804	EA 6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	406.90 -30.85 20.35	118.13
26 05 36 00-0805	EA 9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	443.31 -32.94 22.17	136.77
26 05 36 00-0806	EA 12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	495.12 -36.76 24.76	153.03
26 05 36 00-0807	EA 18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	591.01 -43.05 29.55	192.58
26 05 36 00-0808	EA 24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	682.27 -49.39 34.11	226.07
26 05 36 00-0809	EA 30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	768.94 -55.22 38.45	260.09
26 05 36 00-0810	EA 36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	893.82 -63.92 44.69	305.62
26 05 36 00-0811	45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-0786)</small>		
26 05 36 00-0812	EA 6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	202.17 -36.53 -65.25 -13.65 10.11	78.78

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0813 EA 9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	231.07	94.50
For 60 Degree Bend, Deduct	-40.04	
For 30 Degree Bend, Deduct	-71.99	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-15.24	
For 6" Overall Height Instead Of 4-5/8", Add	11.55	
26 05 36 00-0814 EA 12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	256.99	108.38
For 60 Degree Bend, Deduct	-43.26	
For 30 Degree Bend, Deduct	-78.12	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-16.67	
For 6" Overall Height Instead Of 4-5/8", Add	12.85	
26 05 36 00-0815 EA 18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	318.25	136.99
For 60 Degree Bend, Deduct	-52.53	
For 30 Degree Bend, Deduct	-95.15	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.41	
For 6" Overall Height Instead Of 4-5/8", Add	15.91	
26 05 36 00-0816 EA 24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	391.42	167.76
For 60 Degree Bend, Deduct	-64.86	
For 30 Degree Bend, Deduct	-117.42	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.16	
For 6" Overall Height Instead Of 4-5/8", Add	19.57	
26 05 36 00-0817 EA 30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	449.19	192.58
For 60 Degree Bend, Deduct	-74.40	
For 30 Degree Bend, Deduct	-134.70	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.87	
For 6" Overall Height Instead Of 4-5/8", Add	22.46	
26 05 36 00-0818 EA 36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	510.45	226.07
For 60 Degree Bend, Deduct	-81.78	
For 30 Degree Bend, Deduct	-148.86	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.20	
For 6" Overall Height Instead Of 4-5/8", Add	25.52	
<b>26 05 36 00-0819 45 Degree, 24" Radius Horizontal Elbows (26 05 36 00-0786)</b>		
26 05 36 00-0820 EA 6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	230.85	81.28
For 60 Degree Bend, Deduct	-45.04	
For 30 Degree Bend, Deduct	-79.58	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-16.32	
For 6" Overall Height Instead Of 4-5/8", Add	11.54	
26 05 36 00-0821 EA 9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	269.67	97.97
For 60 Degree Bend, Deduct	-51.43	
For 30 Degree Bend, Deduct	-91.16	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-18.80	
For 6" Overall Height Instead Of 4-5/8", Add	13.48	
26 05 36 00-0822 EA 12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	297.64	113.14
For 60 Degree Bend, Deduct	-54.85	
For 30 Degree Bend, Deduct	-97.71	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.34	
For 6" Overall Height Instead Of 4-5/8", Add	14.88	
26 05 36 00-0823 EA 18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	358.11	144.47
For 60 Degree Bend, Deduct	-62.78	
For 30 Degree Bend, Deduct	-112.67	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.77	
For 6" Overall Height Instead Of 4-5/8", Add	17.91	
26 05 36 00-0824 EA 24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	435.41	179.46
For 60 Degree Bend, Deduct	-74.90	
For 30 Degree Bend, Deduct	-134.81	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.59	
For 6" Overall Height Instead Of 4-5/8", Add	21.77	
26 05 36 00-0825 EA 30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	510.54	208.18
For 60 Degree Bend, Deduct	-88.69	
For 30 Degree Bend, Deduct	-159.38	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.71	
For 6" Overall Height Instead Of 4-5/8", Add	25.53	
26 05 36 00-0826 EA 36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	584.83	247.85
For 60 Degree Bend, Deduct	-98.00	
For 30 Degree Bend, Deduct	-177.10	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-37.83	
For 6" Overall Height Instead Of 4-5/8", Add	29.24	
<b>26 05 36 00-0827 45 Degree, 36" Radius Horizontal Elbows (26 05 36 00-0786)</b>		
26 05 36 00-0828 EA 6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	267.91	83.88
For 60 Degree Bend, Deduct	-56.27	
For 30 Degree Bend, Deduct	-98.45	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-19.80	
For 6" Overall Height Instead Of 4-5/8", Add	13.40	
26 05 36 00-0829 EA 9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	300.67	101.87
For 60 Degree Bend, Deduct	-60.18	
For 30 Degree Bend, Deduct	-105.95	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.58	
For 6" Overall Height Instead Of 4-5/8", Add	15.03	
26 05 36 00-0830 EA 12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	330.68	118.23
For 60 Degree Bend, Deduct	-63.80	
For 30 Degree Bend, Deduct	-112.91	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.22	
For 6" Overall Height Instead Of 4-5/8", Add	16.53	

**26 Electrical**  
**26 05 Common Work Results for Electrical**  
**26 05 36 Cable Trays for Electrical Systems**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 36 00-0831	EA 18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... For 60 Degree Bend, Deduct For 30 Degree Bend, Deduct For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	402.39 -74.11 -132.02 -27.48 20.12	153.03
26 05 36 00-0832	EA 24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... For 60 Degree Bend, Deduct For 30 Degree Bend, Deduct For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	501.01 -91.50 -163.20 -34.05 25.05	192.58
26 05 36 00-0833	EA 30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... For 60 Degree Bend, Deduct For 30 Degree Bend, Deduct For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	567.73 -100.68 -180.36 -37.93 28.39	226.07
26 05 36 00-0834	EA 36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... For 60 Degree Bend, Deduct For 30 Degree Bend, Deduct For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	666.12 -114.91 -206.72 -43.81 33.31	273.65
<b>26 05 36 00-0835 90 Degree, 12" Radius Vertical Risers <sup>(26 05 36 00-0786)</sup></b>			
26 05 36 00-0836	EA 6" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	314.56 -22.42 15.73	108.38
26 05 36 00-0837	EA 9" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	347.58 -24.44 17.38	123.77
26 05 36 00-0838	EA 12" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	371.73 -25.77 18.59	136.88
26 05 36 00-0839	EA 18" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	428.14 -28.83 21.41	167.76
26 05 36 00-0840	EA 24" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	476.85 -31.63 23.84	192.58
26 05 36 00-0841	EA 30" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	524.39 -34.38 26.22	216.75
26 05 36 00-0842	EA 36" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	580.40 -37.42 29.02	247.42
<b>26 05 36 00-0843 90 Degree, 24" Radius Vertical Risers <sup>(26 05 36 00-0786)</sup></b>			
26 05 36 00-0844	EA 6" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	333.30 -23.91 16.67	113.03
26 05 36 00-0845	EA 9" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	367.72 -25.93 18.39	130.05
26 05 36 00-0846	EA 12" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	395.46 -27.50 19.77	144.47
26 05 36 00-0847	EA 18" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	462.20 -31.27 23.11	179.46
26 05 36 00-0848	EA 24" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	519.80 -34.63 25.99	208.18
26 05 36 00-0849	EA 30" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	576.43 -37.95 28.82	236.25
26 05 36 00-0850	EA 36" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	650.92 -42.29 32.55	273.65
<b>26 05 36 00-0851 90 Degree, 36" Radius Vertical Risers <sup>(26 05 36 00-0786)</sup></b>			
26 05 36 00-0852	EA 6" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	420.92 -32.25 21.05	118.13
26 05 36 00-0853	EA 9" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	456.95 -34.29 22.85	136.88
26 05 36 00-0854	EA 12" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	498.62 -37.11 24.93	153.03
26 05 36 00-0855	EA 18" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	574.25 -41.37 28.71	192.58
26 05 36 00-0856	EA 24" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	639.80 -45.14 31.99	226.07
26 05 36 00-0857	EA 30" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	715.95 -49.92 35.80	260.09



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0858 EA 36" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	803.92	305.62
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-54.93	
For 6" Overall Height Instead Of 4-5/8", Add	40.20	
<b>26 05 36 00-0859 12" Radius Horizontal Tees</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0860 EA 6" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	501.39	208.18
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.79	
For 6" Overall Height Instead Of 4-5/8", Add	25.07	
26 05 36 00-0861 EA 9" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	541.43	226.07
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.30	
For 6" Overall Height Instead Of 4-5/8", Add	27.07	
26 05 36 00-0862 EA 12" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	560.94	236.25
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-36.40	
For 6" Overall Height Instead Of 4-5/8", Add	28.05	
26 05 36 00-0863 EA 18" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	633.55	260.09
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.68	
For 6" Overall Height Instead Of 4-5/8", Add	31.68	
26 05 36 00-0864 EA 24" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	701.56	288.70
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-46.09	
For 6" Overall Height Instead Of 4-5/8", Add	35.08	
26 05 36 00-0865 EA 30" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	766.01	306.16
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-51.09	
For 6" Overall Height Instead Of 4-5/8", Add	38.30	
26 05 36 00-0866 EA 36" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	884.12	346.58
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-59.53	
For 6" Overall Height Instead Of 4-5/8", Add	44.21	
<b>26 05 36 00-0867 24" Radius Horizontal Tees</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0868 EA 6" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	640.19	226.07
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-45.18	
For 6" Overall Height Instead Of 4-5/8", Add	32.01	
26 05 36 00-0869 EA 9" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	691.58	247.85
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-48.51	
For 6" Overall Height Instead Of 4-5/8", Add	34.58	
26 05 36 00-0870 EA 12" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	719.66	260.09
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-50.29	
For 6" Overall Height Instead Of 4-5/8", Add	35.98	
26 05 36 00-0871 EA 18" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	792.73	288.70
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-55.21	
For 6" Overall Height Instead Of 4-5/8", Add	39.64	
26 05 36 00-0872 EA 24" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	881.22	325.12
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-61.03	
For 6" Overall Height Instead Of 4-5/8", Add	44.06	
26 05 36 00-0873 EA 30" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	949.96	346.58
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-66.11	
For 6" Overall Height Instead Of 4-5/8", Add	47.50	
26 05 36 00-0874 EA 36" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	1,237.13	400.44
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-90.35	
For 6" Overall Height Instead Of 4-5/8", Add	61.86	
<b>26 05 36 00-0875 36" Radius Horizontal Tees</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0876 EA 6" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	785.28	247.85
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-57.88	
For 6" Overall Height Instead Of 4-5/8", Add	39.26	
26 05 36 00-0877 EA 9" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	838.52	273.65
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-61.05	
For 6" Overall Height Instead Of 4-5/8", Add	41.93	
26 05 36 00-0878 EA 12" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	899.09	288.70
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-65.85	
For 6" Overall Height Instead Of 4-5/8", Add	44.95	
26 05 36 00-0879 EA 18" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	982.51	325.12
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-71.16	
For 6" Overall Height Instead Of 4-5/8", Add	49.13	
26 05 36 00-0880 EA 24" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	1,104.80	371.18
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-79.55	
For 6" Overall Height Instead Of 4-5/8", Add	55.24	
26 05 36 00-0881 EA 30" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	1,282.71	400.44
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-94.90	
For 6" Overall Height Instead Of 4-5/8", Add	64.14	
26 05 36 00-0882 EA 36" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	1,471.37	472.51
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-107.76	
For 6" Overall Height Instead Of 4-5/8", Add	73.57	
<b>26 05 36 00-0883 12" Radius Vertical Tees</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0884 EA 6" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	667.95	192.58
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-50.74	
For 6" Overall Height Instead Of 4-5/8", Add	33.40	
26 05 36 00-0885 EA 9" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	690.73	200.16
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-52.39	
For 6" Overall Height Instead Of 4-5/8", Add	34.54	
26 05 36 00-0886 EA 12" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	706.52	208.18
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-53.31	
For 6" Overall Height Instead Of 4-5/8", Add	35.33	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 36 00-0887	EA 18" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	744.02 -55.56 37.20	226.07
26 05 36 00-0888	EA 24" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	791.39 -59.45 39.57	236.25
26 05 36 00-0889	EA 30" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	838.68 -62.19 41.93	260.09
26 05 36 00-0890	EA 36" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	899.09 -65.85 44.95	288.70
<b>26 05 36 00-0891</b>	<b>24" Radius Vertical Tees</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0892	EA 6" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	934.44 -76.10 46.72	208.18
26 05 36 00-0893	EA 9" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	956.36 -77.57 47.82	216.75
26 05 36 00-0894	EA 12" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	979.54 -79.11 48.98	226.07
26 05 36 00-0895	EA 18" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,033.46 -82.70 51.67	247.85
26 05 36 00-0896	EA 24" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,069.13 -85.24 53.46	260.09
26 05 36 00-0897	EA 30" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,132.08 -89.15 56.60	288.70
26 05 36 00-0898	EA 36" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,250.95 -98.00 62.55	325.12
<b>26 05 36 00-0899</b>	<b>36" Radius Vertical Tee</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0900	EA 6" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,494.51 -130.61 74.73	226.07
26 05 36 00-0901	EA 9" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,526.00 -132.91 76.30	236.25
26 05 36 00-0902	EA 12" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,559.72 -135.32 77.99	247.85
26 05 36 00-0903	EA 18" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,617.37 -138.93 80.87	273.65
26 05 36 00-0904	EA 24" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,657.00 -141.64 82.85	288.70
26 05 36 00-0905	EA 30" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,761.16 -149.02 88.06	325.12
26 05 36 00-0906	EA 36" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,852.37 -154.31 92.62	371.18
<b>26 05 36 00-0907</b>	<b>12" Radius Horizontal Crosses</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0908	EA 6" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	648.75 -43.20 32.44	260.09
26 05 36 00-0909	EA 9" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	694.17 -46.61 34.71	273.65
26 05 36 00-0910	EA 12" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	721.82 -48.12 36.09	288.70
26 05 36 00-0911	EA 18" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	801.46 -54.63 40.07	306.16
26 05 36 00-0912	EA 24" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	879.05 -59.02 43.95	346.58
26 05 36 00-0913	EA 30" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	973.11 -66.38 48.66	371.18
26 05 36 00-0914	EA 36" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,110.51 -77.68 55.53	400.44
<b>26 05 36 00-0915</b>	<b>24" Radius Horizontal Crosses</b> <small>(26 05 36 00-0786)</small>		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0916 EA 6" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	894.03 -65.34 44.70	288.70
26 05 36 00-0917 EA 9" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	935.68 -68.06 46.78	306.16
26 05 36 00-0918 EA 12" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	979.98 -70.90 49.00	325.12
26 05 36 00-0919 EA 18" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,038.59 -74.97 51.93	346.58
26 05 36 00-0920 EA 24" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,168.75 -83.51 58.44	400.44
26 05 36 00-0921 EA 30" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,412.30 -105.11 70.62	433.49
26 05 36 00-0922 EA 36" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,565.26 -117.15 78.26	472.51
<b>26 05 36 00-0923 36" Radius Horizontal Crosses</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0924 EA 6" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,028.10 -75.72 51.41	325.12
26 05 36 00-0925 EA 9" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,228.45 -93.96 61.42	346.58
26 05 36 00-0926 EA 12" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,308.37 -99.91 65.42	371.18
26 05 36 00-0927 EA 18" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,239.66 -90.60 61.98	400.44
26 05 36 00-0928 EA 24" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,496.69 -110.29 74.83	472.51
26 05 36 00-0929 EA 30" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,650.67 -121.79 82.53	519.32
26 05 36 00-0930 EA 36" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,837.87 -135.58 91.89	578.50
<b>26 05 36 00-0931 12" Radius Vertical Cross</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0932 EA 6" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	648.75 -43.20 32.44	260.09
26 05 36 00-0933 EA 9" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	694.33 -46.62 34.72	273.76
26 05 36 00-0934 EA 12" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	721.73 -48.12 36.09	288.70
26 05 36 00-0935 EA 18" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	801.66 -54.64 40.08	306.27
26 05 36 00-0936 EA 24" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	879.05 -59.02 43.95	346.58
26 05 36 00-0937 EA 30" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	973.40 -66.40 48.67	371.29
26 05 36 00-0938 EA 36" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,109.69 -77.64 55.48	399.90
<b>26 05 36 00-0939 24" Radius Vertical Crosses</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0940 EA 6" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	894.03 -65.34 44.70	288.70
26 05 36 00-0941 EA 9" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	935.68 -68.06 46.78	306.16
26 05 36 00-0942 EA 12" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	979.98 -70.90 49.00	325.12
26 05 36 00-0943 EA 18" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,038.59 -74.97 51.93	346.58
26 05 36 00-0944 EA 24" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,168.75 -83.51 58.44	400.44

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 36 00-0945	EA 30" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,259.38 -89.81 62.97	433.49
26 05 36 00-0946	EA 36" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,392.86 -99.91 69.64	472.51
<b>26 05 36 00-0947</b>	<b>36" Radius Vertical Crosses (26 05 36 00-0786)</b>		
26 05 36 00-0948	EA 6" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,246.90 -97.60 62.35	325.12
26 05 36 00-0949	EA 9" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,312.10 -102.33 65.61	346.58
26 05 36 00-0950	EA 12" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,397.04 -108.78 69.85	371.18
26 05 36 00-0951	EA 18" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,497.21 -116.35 74.86	400.44
26 05 36 00-0952	EA 24" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,815.78 -142.20 90.79	472.51
26 05 36 00-0953	EA 30" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2,003.94 -157.11 100.20	519.32
26 05 36 00-0954	EA 36" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2,231.03 -174.89 111.55	578.50
<b>26 05 36 00-0955</b>	<b>6" Rung Tray Fittings (26 05 36 00-0744)</b>		
<b>26 05 36 00-0956</b>	<b>90 Degree, 12" Radius Horizontal Elbows (26 05 36 00-0955)</b>		
26 05 36 00-0957	EA 6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	273.45 -18.29 13.67	108.70
26 05 36 00-0958	EA 9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	301.02 -19.78 15.05	123.77
26 05 36 00-0959	EA 12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	340.27 -22.62 17.01	136.88
26 05 36 00-0960	EA 18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	405.83 -26.60 20.29	167.76
26 05 36 00-0961	EA 24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	477.63 -31.71 23.88	192.58
26 05 36 00-0962	EA 30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	527.21 -34.66 26.36	216.75
26 05 36 00-0963	EA 36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	613.92 -40.75 30.70	247.74
<b>26 05 36 00-0964</b>	<b>90 Degree, 24" Radius Horizontal Elbows (26 05 36 00-0955)</b>		
26 05 36 00-0965	EA 6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	352.05 -25.78 17.60	113.03
26 05 36 00-0966	EA 9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	387.23 -27.89 19.36	129.94
26 05 36 00-0967	EA 12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	419.67 -29.93 20.98	144.47
26 05 36 00-0968	EA 18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	493.07 -34.35 24.65	179.46
26 05 36 00-0969	EA 24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	559.63 -38.62 27.98	208.18
26 05 36 00-0970	EA 30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	626.39 -42.95 31.32	236.25
26 05 36 00-0971	EA 36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	717.94 -48.99 35.90	273.65
<b>26 05 36 00-0972</b>	<b>90 Degree, 36" Radius Horizontal Elbows (26 05 36 00-0955)</b>		
26 05 36 00-0973	EA 6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	376.90 -27.85 18.85	118.13
26 05 36 00-0974	EA 9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	412.53 -29.86 20.63	136.77

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 36 00-0975	EA	12"	Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	460.83	153.03
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.33	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	23.04	
26 05 36 00-0976	EA	18"	Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	552.44	192.58
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.19	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	27.62	
26 05 36 00-0977	EA	24"	Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	638.64	226.07
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.02	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	31.93	
26 05 36 00-0978	EA	30"	Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	721.02	260.09
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.43	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	36.05	
26 05 36 00-0979	EA	36"	Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	838.89	305.62
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.43	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	41.94	

**26 05 36 00-0980 45 Degree, 12" Radius Horizontal Elbows** (26 05 36 00-0955)

26 05 36 00-0981	EA	6"	Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	192.04	78.78
			<i>For 60 Degree Bend, Deduct</i>	-33.18	
			<i>For 30 Degree Bend, Deduct</i>	-59.68	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.64	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	9.60	
26 05 36 00-0982	EA	9"	Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	220.55	94.50
			<i>For 60 Degree Bend, Deduct</i>	-36.57	
			<i>For 30 Degree Bend, Deduct</i>	-66.20	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.18	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.03	
26 05 36 00-0983	EA	12"	Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	246.08	108.38
			<i>For 60 Degree Bend, Deduct</i>	-39.66	
			<i>For 30 Degree Bend, Deduct</i>	-72.12	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.58	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.30	
26 05 36 00-0984	EA	18"	Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	305.39	136.99
			<i>For 60 Degree Bend, Deduct</i>	-48.28	
			<i>For 30 Degree Bend, Deduct</i>	-88.08	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.13	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.27	
26 05 36 00-0985	EA	24"	Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	375.44	167.76
			<i>For 60 Degree Bend, Deduct</i>	-59.59	
			<i>For 30 Degree Bend, Deduct</i>	-108.63	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.56	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.77	
26 05 36 00-0986	EA	30"	Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	430.88	192.58
			<i>For 60 Degree Bend, Deduct</i>	-68.36	
			<i>For 30 Degree Bend, Deduct</i>	-124.63	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.04	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.54	
26 05 36 00-0987	EA	36"	Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	491.36	226.07
			<i>For 60 Degree Bend, Deduct</i>	-75.48	
			<i>For 30 Degree Bend, Deduct</i>	-138.36	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.30	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.57	

**26 05 36 00-0988 45 Degree, 24" Radius Horizontal Elbows** (26 05 36 00-0955)

26 05 36 00-0989	EA	6"	Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	217.22	81.28
			<i>For 60 Degree Bend, Deduct</i>	-40.54	
			<i>For 30 Degree Bend, Deduct</i>	-72.08	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.95	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.86	
26 05 36 00-0990	EA	9"	Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	254.48	97.97
			<i>For 60 Degree Bend, Deduct</i>	-46.42	
			<i>For 30 Degree Bend, Deduct</i>	-82.81	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.28	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.72	
26 05 36 00-0991	EA	12"	Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	282.06	113.14
			<i>For 60 Degree Bend, Deduct</i>	-49.71	
			<i>For 30 Degree Bend, Deduct</i>	-89.14	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.78	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.10	
26 05 36 00-0992	EA	18"	Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	341.36	144.47
			<i>For 60 Degree Bend, Deduct</i>	-57.26	
			<i>For 30 Degree Bend, Deduct</i>	-103.45	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.09	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.07	
26 05 36 00-0993	EA	24"	Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	415.93	179.46
			<i>For 60 Degree Bend, Deduct</i>	-68.48	
			<i>For 30 Degree Bend, Deduct</i>	-124.09	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.64	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.80	
26 05 36 00-0994	EA	30"	Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	487.17	208.18
			<i>For 60 Degree Bend, Deduct</i>	-80.98	
			<i>For 30 Degree Bend, Deduct</i>	-146.53	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.37	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.36	

## 26 Electrical

## 26 05 Common Work Results for Electrical

## 26 05 36 Cable Trays for Electrical Systems

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 36 00-0995	EA 36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	560.28	247.85
	<i>For 60 Degree Bend, Deduct</i>	-89.90	
	<i>For 30 Degree Bend, Deduct</i>	-163.60	
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.38	
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	28.01	
<b>26 05 36 00-0996</b>	<b>45 Degree, 36" Radius Horizontal Elbows (26 05 36 00-0955)</b>		
26 05 36 00-0997	EA 6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	249.60	83.88
	<i>For 60 Degree Bend, Deduct</i>	-50.23	
	<i>For 30 Degree Bend, Deduct</i>	-88.37	
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.97	
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.48	
26 05 36 00-0998	EA 9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	281.97	101.87
	<i>For 60 Degree Bend, Deduct</i>	-54.01	
	<i>For 30 Degree Bend, Deduct</i>	-95.67	
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.71	
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.10	
26 05 36 00-0999	EA 12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	311.59	118.23
	<i>For 60 Degree Bend, Deduct</i>	-57.50	
	<i>For 30 Degree Bend, Deduct</i>	-102.41	
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.31	
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.58	
26 05 36 00-1000	EA 18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	381.35	153.03
	<i>For 60 Degree Bend, Deduct</i>	-67.17	
	<i>For 30 Degree Bend, Deduct</i>	-120.45	
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.38	
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.07	
26 05 36 00-1001	EA 24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	475.29	192.58
	<i>For 60 Degree Bend, Deduct</i>	-83.01	
	<i>For 30 Degree Bend, Deduct</i>	-149.06	
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.48	
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	23.76	
26 05 36 00-1002	EA 30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	540.45	226.07
	<i>For 60 Degree Bend, Deduct</i>	-91.68	
	<i>For 30 Degree Bend, Deduct</i>	-165.36	
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.20	
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	27.02	
26 05 36 00-1003	EA 36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	636.12	273.65
	<i>For 60 Degree Bend, Deduct</i>	-105.01	
	<i>For 30 Degree Bend, Deduct</i>	-190.22	
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.81	
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	31.81	
<b>26 05 36 00-1004</b>	<b>90 Degree, 12" Radius Vertical Risers (26 05 36 00-0955)</b>		
26 05 36 00-1005	EA 6" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	303.84	108.38
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.35	
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.19	
26 05 36 00-1006	EA 9" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	336.28	123.77
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.31	
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.81	
26 05 36 00-1007	EA 12" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	360.23	136.88
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.62	
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.01	
26 05 36 00-1008	EA 18" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	416.25	167.76
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.65	
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.81	
26 05 36 00-1009	EA 24" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	464.39	192.58
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.39	
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	23.22	
26 05 36 00-1010	EA 30" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	511.34	216.75
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.07	
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.57	
26 05 36 00-1011	EA 36" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	566.96	247.42
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.08	
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	28.35	
<b>26 05 36 00-1012</b>	<b>90 Degree, 24" Radius Vertical Risers (26 05 36 00-0955)</b>		
26 05 36 00-1013	EA 6" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	321.71	113.03
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.75	
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.09	
26 05 36 00-1014	EA 9" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	355.64	130.05
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.73	
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.78	
26 05 36 00-1015	EA 12" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	383.10	144.47
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.27	
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.16	
26 05 36 00-1016	EA 18" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	449.15	179.46
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.96	
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.46	
26 05 36 00-1017	EA 24" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	505.97	208.18
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.25	
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.30	
26 05 36 00-1018	EA 30" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	561.82	236.25
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.49	
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	28.09	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1019 EA 36" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	635.34 -40.73 31.77	273.65
<b>26 05 36 00-1020 90 Degree, 36" Radius Vertical Risers</b> <small>(26 05 36 00-0955)</small>		
26 05 36 00-1021 EA 6" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	403.00 -30.46 20.15	118.13
26 05 36 00-1022 EA 9" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	438.64 -32.46 21.93	136.88
26 05 36 00-1023 EA 12" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	479.14 -35.16 23.96	153.03
26 05 36 00-1024 EA 18" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	553.99 -39.35 27.70	192.58
26 05 36 00-1025 EA 24" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	618.77 -43.04 30.94	226.07
26 05 36 00-1026 EA 30" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	693.36 -47.66 34.67	260.09
26 05 36 00-1027 EA 36" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	780.35 -52.57 39.02	305.62
<b>26 05 36 00-1028 12" Radius Horizontal Tees</b> <small>(26 05 36 00-0955)</small>		
26 05 36 00-1029 EA 6" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	489.51 -31.61 24.48	208.18
26 05 36 00-1030 EA 9" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	528.77 -34.04 26.44	226.07
26 05 36 00-1031 EA 12" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	548.08 -35.12 27.40	236.25
26 05 36 00-1032 EA 18" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	618.16 -40.14 30.91	260.09
26 05 36 00-1033 EA 24" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	684.61 -44.40 34.23	288.70
26 05 36 00-1034 EA 30" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	746.33 -49.12 37.32	306.16
26 05 36 00-1035 EA 36" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	860.54 -57.17 43.03	346.58
<b>26 05 36 00-1036 24" Radius Horizontal Tees</b> <small>(26 05 36 00-0955)</small>		
26 05 36 00-1037 EA 6" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	619.93 -43.15 31.00	226.07
26 05 36 00-1038 EA 9" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	670.15 -46.36 33.51	247.85
26 05 36 00-1039 EA 12" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	697.64 -48.09 34.88	260.09
26 05 36 00-1040 EA 18" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	768.77 -52.82 38.44	288.70
26 05 36 00-1041 EA 24" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	855.11 -58.42 42.76	325.12
26 05 36 00-1042 EA 30" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	921.32 -63.25 46.07	346.58
26 05 36 00-1043 EA 36" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,193.30 -85.96 59.67	400.44
<b>26 05 36 00-1044 36" Radius Horizontal Tees</b> <small>(26 05 36 00-0955)</small>		
26 05 36 00-1045 EA 6" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	756.64 -55.01 37.83	247.85
26 05 36 00-1046 EA 9" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	809.10 -58.10 40.46	273.65
26 05 36 00-1047 EA 12" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	866.95 -62.63 43.35	288.70

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 36 00-1048	EA 18" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	948.62 -67.77 47.43	325.12
26 05 36 00-1049	EA 24" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,067.40 -75.81 53.37	371.18
26 05 36 00-1050	EA 30" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,235.38 -90.17 61.77	400.44
26 05 36 00-1051	EA 36" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,418.77 -102.50 70.94	472.51
<b>26 05 36 00-1052</b>	<b>12" Radius Vertical Tees (26 05 36 00-0955)</b>		
26 05 36 00-1053	EA 6" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	641.27 -48.08 32.06	192.58
26 05 36 00-1054	EA 9" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	663.27 -49.64 33.16	200.16
26 05 36 00-1055	EA 12" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	678.85 -50.54 33.94	208.18
26 05 36 00-1056	EA 18" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	715.78 -52.74 35.79	226.07
26 05 36 00-1057	EA 24" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	760.81 -56.39 38.04	236.25
26 05 36 00-1058	EA 30" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	807.51 -59.08 40.38	260.09
26 05 36 00-1059	EA 36" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	866.95 -62.63 43.35	288.70
<b>26 05 36 00-1060</b>	<b>24" Radius Vertical Tees (26 05 36 00-0955)</b>		
26 05 36 00-1061	EA 6" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	889.24 -71.58 44.46	208.18
26 05 36 00-1062	EA 9" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	910.58 -73.00 45.53	216.75
26 05 36 00-1063	EA 12" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	933.18 -74.48 46.66	226.07
26 05 36 00-1064	EA 18" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	985.73 -77.92 49.29	247.85
26 05 36 00-1065	EA 24" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,020.24 -80.35 51.01	260.09
26 05 36 00-1066	EA 30" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,082.01 -84.14 54.10	288.70
26 05 36 00-1067	EA 36" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,196.41 -92.55 59.82	325.12
<b>26 05 36 00-1068</b>	<b>36" Radius Vertical Tees (26 05 36 00-0955)</b>		
26 05 36 00-1069	EA 6" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,408.54 -122.01 70.43	226.07
26 05 36 00-1070	EA 9" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,438.91 -124.20 71.95	236.25
26 05 36 00-1071	EA 12" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,471.51 -126.50 73.58	247.85
26 05 36 00-1072	EA 18" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,528.04 -130.00 76.40	273.65
26 05 36 00-1073	EA 24" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,566.56 -132.59 78.33	288.70
26 05 36 00-1074	EA 30" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,667.37 -139.64 83.37	325.12
26 05 36 00-1075	EA 36" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,757.47 -144.82 87.87	371.18
<b>26 05 36 00-1076</b>	<b>12" Radius Horizontal Crosses (26 05 36 00-0955)</b>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1077 EA 6" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	632.19	260.09
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.54	
For 6" Overall Height Instead Of 4-5/8", Add	31.61	
26 05 36 00-1078 EA 9" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	675.86	273.65
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.78	
For 6" Overall Height Instead Of 4-5/8", Add	33.79	
26 05 36 00-1079 EA 12" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	703.32	288.70
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-46.27	
For 6" Overall Height Instead Of 4-5/8", Add	35.17	
26 05 36 00-1080 EA 18" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	779.06	306.16
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-52.39	
For 6" Overall Height Instead Of 4-5/8", Add	38.95	
26 05 36 00-1081 EA 24" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	855.87	346.58
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-56.70	
For 6" Overall Height Instead Of 4-5/8", Add	42.79	
26 05 36 00-1082 EA 30" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	945.84	371.18
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-63.66	
For 6" Overall Height Instead Of 4-5/8", Add	47.29	
26 05 36 00-1083 EA 36" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	1,076.42	400.44
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-74.28	
For 6" Overall Height Instead Of 4-5/8", Add	53.82	
<b>26 05 36 00-1084 24" Radius Horizontal Crosses</b> <small>(26 05 36 00-0955)</small>		
26 05 36 00-1085 EA 6" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	862.27	288.70
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-62.17	
For 6" Overall Height Instead Of 4-5/8", Add	43.11	
26 05 36 00-1086 EA 9" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	902.95	306.16
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-64.78	
For 6" Overall Height Instead Of 4-5/8", Add	45.15	
26 05 36 00-1087 EA 12" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	946.28	325.12
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-67.53	
For 6" Overall Height Instead Of 4-5/8", Add	47.31	
26 05 36 00-1088 EA 18" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,003.14	346.58
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-71.43	
For 6" Overall Height Instead Of 4-5/8", Add	50.16	
26 05 36 00-1089 EA 24" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,130.18	400.44
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-79.65	
For 6" Overall Height Instead Of 4-5/8", Add	56.51	
26 05 36 00-1090 EA 30" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,218.08	433.49
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-85.68	
For 6" Overall Height Instead Of 4-5/8", Add	60.90	
26 05 36 00-1091 EA 36" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,346.31	472.51
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-95.25	
For 6" Overall Height Instead Of 4-5/8", Add	67.32	
<b>26 05 36 00-1092 36" Radius Horizontal Crosses</b> <small>(26 05 36 00-0955)</small>		
26 05 36 00-1093 EA 6" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	990.70	325.12
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-71.98	
For 6" Overall Height Instead Of 4-5/8", Add	49.54	
26 05 36 00-1094 EA 9" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,045.22	346.58
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-75.64	
For 6" Overall Height Instead Of 4-5/8", Add	52.26	
26 05 36 00-1095 EA 12" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,114.15	371.18
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-80.49	
For 6" Overall Height Instead Of 4-5/8", Add	55.71	
26 05 36 00-1096 EA 18" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,195.64	400.44
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-86.20	
For 6" Overall Height Instead Of 4-5/8", Add	59.78	
26 05 36 00-1097 EA 24" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,442.15	472.51
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-104.83	
For 6" Overall Height Instead Of 4-5/8", Add	72.11	
26 05 36 00-1098 EA 30" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,590.28	519.32
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-115.75	
For 6" Overall Height Instead Of 4-5/8", Add	79.51	
26 05 36 00-1099 EA 36" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,770.66	578.50
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-128.86	
For 6" Overall Height Instead Of 4-5/8", Add	88.53	
<b>26 05 36 00-1100 12" Radius Vertical Crosses</b> <small>(26 05 36 00-0955)</small>		
26 05 36 00-1101 EA 6" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	632.19	260.09
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.54	
For 6" Overall Height Instead Of 4-5/8", Add	31.61	
26 05 36 00-1102 EA 9" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	676.02	273.76
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.79	
For 6" Overall Height Instead Of 4-5/8", Add	33.80	
26 05 36 00-1103 EA 12" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	703.23	288.70
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-46.27	
For 6" Overall Height Instead Of 4-5/8", Add	35.16	
26 05 36 00-1104 EA 18" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	779.26	306.27
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-52.40	
For 6" Overall Height Instead Of 4-5/8", Add	38.96	
26 05 36 00-1105 EA 24" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	855.87	346.58
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-56.70	
For 6" Overall Height Instead Of 4-5/8", Add	42.79	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1106	EA		30" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	946.13	371.29
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.67	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	47.31	
26 05 36 00-1107	EA		36" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	1,075.60	399.90
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-74.23	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	53.78	
<b>26 05 36 00-1108</b>			<b>24" Radius Vertical Crosses (26 05 36 00-0955)</b>		
26 05 36 00-1109	EA		6" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	862.27	288.70
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.17	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	43.11	
26 05 36 00-1110	EA		9" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	902.95	306.16
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.78	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	45.15	
26 05 36 00-1111	EA		12" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	946.28	325.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.53	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	47.31	
26 05 36 00-1112	EA		18" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,003.14	346.58
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-71.43	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	50.16	
26 05 36 00-1113	EA		24" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,130.18	400.44
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-79.65	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	56.51	
26 05 36 00-1114	EA		30" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,218.08	433.49
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-85.68	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	60.90	
26 05 36 00-1115	EA		36" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,346.31	472.51
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-95.25	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	67.32	
<b>26 05 36 00-1116</b>			<b>36" Radius Vertical Crosses (26 05 36 00-0955)</b>		
26 05 36 00-1117	EA		6" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,192.67	325.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-92.17	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	59.63	
26 05 36 00-1118	EA		9" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,255.60	346.58
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-96.68	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	62.78	
26 05 36 00-1119	EA		12" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,337.16	371.18
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-102.79	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	66.86	
26 05 36 00-1120	EA		18" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,433.37	400.44
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-109.97	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	71.67	
26 05 36 00-1121	EA		24" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,736.69	472.51
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-134.29	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	86.83	
26 05 36 00-1122	EA		30" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,916.38	519.32
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-148.36	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	95.82	
26 05 36 00-1123	EA		36" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	2,133.58	578.50
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-165.15	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	106.68	
<b>26 05 36 00-1124</b>			<b>9" Rung Tray Fittings (26 05 36 00-0744)</b>		
<b>26 05 36 00-1125</b>			<b>90 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1124)</b>		
26 05 36 00-1126	EA		6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	258.06	108.70
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.75	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.90	
26 05 36 00-1127	EA		9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	285.25	123.77
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.21	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.26	
26 05 36 00-1128	EA		12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	321.57	136.88
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.75	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.08	
26 05 36 00-1129	EA		18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	384.79	167.76
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.50	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.24	
26 05 36 00-1130	EA		24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	451.53	192.58
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.10	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.58	
26 05 36 00-1131	EA		30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	499.55	216.75
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.89	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.98	
26 05 36 00-1132	EA		36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	580.41	247.74
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.40	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	29.02	
<b>26 05 36 00-1133</b>			<b>90 Degree, 24" Radius Horizontal Elbows (26 05 36 00-1124)</b>		
26 05 36 00-1134	EA		6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	324.78	113.03
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.06	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.24	
26 05 36 00-1135	EA		9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	358.79	129.94
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.05	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.94	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 36 00-1136	EA 12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	389.86	144.47
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.94	
	For 6" Overall Height Instead Of 4-5/8", Add	19.49	
26 05 36 00-1137	EA 18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	460.74	179.46
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.12	
	For 6" Overall Height Instead Of 4-5/8", Add	23.04	
26 05 36 00-1138	EA 24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	524.18	208.18
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.07	
	For 6" Overall Height Instead Of 4-5/8", Add	26.21	
26 05 36 00-1139	EA 30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	587.63	236.25
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.07	
	For 6" Overall Height Instead Of 4-5/8", Add	29.38	
26 05 36 00-1140	EA 36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	674.30	273.65
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.62	
	For 6" Overall Height Instead Of 4-5/8", Add	33.72	
26 05 36 00-1141	<b>90 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-1124)</small>		
26 05 36 00-1142	EA 6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	346.90	118.13
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.85	
	For 6" Overall Height Instead Of 4-5/8", Add	17.35	
26 05 36 00-1143	EA 9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	381.75	136.77
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.78	
	For 6" Overall Height Instead Of 4-5/8", Add	19.09	
26 05 36 00-1144	EA 12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	426.55	153.03
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.90	
	For 6" Overall Height Instead Of 4-5/8", Add	21.33	
26 05 36 00-1145	EA 18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	513.87	192.58
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.34	
	For 6" Overall Height Instead Of 4-5/8", Add	25.69	
26 05 36 00-1146	EA 24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	595.00	226.07
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-40.66	
	For 6" Overall Height Instead Of 4-5/8", Add	29.75	
26 05 36 00-1147	EA 30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	673.10	260.09
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-45.64	
	For 6" Overall Height Instead Of 4-5/8", Add	33.66	
26 05 36 00-1148	EA 36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	783.95	305.62
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-52.93	
	For 6" Overall Height Instead Of 4-5/8", Add	39.20	
26 05 36 00-1149	<b>45 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-1124)</small>		
26 05 36 00-1150	EA 6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	181.91	78.78
	For 60 Degree Bend, Deduct	-29.84	
	For 30 Degree Bend, Deduct	-54.11	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-11.63	
	For 6" Overall Height Instead Of 4-5/8", Add	9.10	
26 05 36 00-1151	EA 9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	210.03	94.50
	For 60 Degree Bend, Deduct	-33.10	
	For 30 Degree Bend, Deduct	-60.42	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-13.13	
	For 6" Overall Height Instead Of 4-5/8", Add	10.50	
26 05 36 00-1152	EA 12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	235.17	108.38
	For 60 Degree Bend, Deduct	-36.06	
	For 30 Degree Bend, Deduct	-66.12	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-14.49	
	For 6" Overall Height Instead Of 4-5/8", Add	11.76	
26 05 36 00-1153	EA 18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	292.53	136.99
	For 60 Degree Bend, Deduct	-44.04	
	For 30 Degree Bend, Deduct	-81.00	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.84	
	For 6" Overall Height Instead Of 4-5/8", Add	14.63	
26 05 36 00-1154	EA 24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	359.47	167.76
	For 60 Degree Bend, Deduct	-54.32	
	For 30 Degree Bend, Deduct	-99.85	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.97	
	For 6" Overall Height Instead Of 4-5/8", Add	17.97	
26 05 36 00-1155	EA 30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	412.57	192.58
	For 60 Degree Bend, Deduct	-62.32	
	For 30 Degree Bend, Deduct	-114.56	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.21	
	For 6" Overall Height Instead Of 4-5/8", Add	20.63	
26 05 36 00-1156	EA 36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	472.27	226.07
	For 60 Degree Bend, Deduct	-69.18	
	For 30 Degree Bend, Deduct	-127.86	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.39	
	For 6" Overall Height Instead Of 4-5/8", Add	23.61	
26 05 36 00-1157	<b>45 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-1124)</small>		
26 05 36 00-1158	EA 6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	203.58	81.28
	For 60 Degree Bend, Deduct	-36.04	
	For 30 Degree Bend, Deduct	-64.58	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-13.59	
	For 6" Overall Height Instead Of 4-5/8", Add	10.18	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1159	EA		9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	239.28	97.97
			<i>For 60 Degree Bend, Deduct</i>	-41.40	
			<i>For 30 Degree Bend, Deduct</i>	-74.45	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.76	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.96	
26 05 36 00-1160	EA		12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	266.47	113.14
			<i>For 60 Degree Bend, Deduct</i>	-44.57	
			<i>For 30 Degree Bend, Deduct</i>	-80.57	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.22	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.32	
26 05 36 00-1161	EA		18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	324.61	144.47
			<i>For 60 Degree Bend, Deduct</i>	-51.73	
			<i>For 30 Degree Bend, Deduct</i>	-94.24	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.42	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.23	
26 05 36 00-1162	EA		24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	396.45	179.46
			<i>For 60 Degree Bend, Deduct</i>	-62.05	
			<i>For 30 Degree Bend, Deduct</i>	-113.38	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.69	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.82	
26 05 36 00-1163	EA		30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	463.79	208.18
			<i>For 60 Degree Bend, Deduct</i>	-73.26	
			<i>For 30 Degree Bend, Deduct</i>	-133.67	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.03	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	23.19	
26 05 36 00-1164	EA		36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	535.74	247.85
			<i>For 60 Degree Bend, Deduct</i>	-81.80	
			<i>For 30 Degree Bend, Deduct</i>	-150.10	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.92	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	26.79	
<b>26 05 36 00-1165</b>			<b>45 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-1124)</small>		
26 05 36 00-1166	EA		6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	231.29	83.88
			<i>For 60 Degree Bend, Deduct</i>	-44.19	
			<i>For 30 Degree Bend, Deduct</i>	-78.30	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.14	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.56	
26 05 36 00-1167	EA		9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	263.27	101.87
			<i>For 60 Degree Bend, Deduct</i>	-47.83	
			<i>For 30 Degree Bend, Deduct</i>	-85.38	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.84	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.16	
26 05 36 00-1168	EA		12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	292.50	118.23
			<i>For 60 Degree Bend, Deduct</i>	-51.20	
			<i>For 30 Degree Bend, Deduct</i>	-91.91	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.40	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.63	
26 05 36 00-1169	EA		18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	360.31	153.03
			<i>For 60 Degree Bend, Deduct</i>	-60.22	
			<i>For 30 Degree Bend, Deduct</i>	-108.88	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.28	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.02	
26 05 36 00-1170	EA		24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	449.58	192.58
			<i>For 60 Degree Bend, Deduct</i>	-74.53	
			<i>For 30 Degree Bend, Deduct</i>	-134.92	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.91	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.48	
26 05 36 00-1171	EA		30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	513.18	226.07
			<i>For 60 Degree Bend, Deduct</i>	-82.68	
			<i>For 30 Degree Bend, Deduct</i>	-150.36	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.48	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.66	
26 05 36 00-1172	EA		36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	606.12	273.65
			<i>For 60 Degree Bend, Deduct</i>	-95.11	
			<i>For 30 Degree Bend, Deduct</i>	-173.72	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.81	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	30.31	
<b>26 05 36 00-1173</b>			<b>90 Degree, 12" Radius Vertical Risers</b> <small>(26 05 36 00-1124)</small>		
26 05 36 00-1174	EA		6" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	287.77	108.38
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.75	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.39	
26 05 36 00-1175	EA		9" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	319.34	123.77
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.62	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.97	
26 05 36 00-1176	EA		12" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	342.99	136.88
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.90	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.15	
26 05 36 00-1177	EA		18" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	398.43	167.76
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.86	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.92	
26 05 36 00-1178	EA		24" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	445.68	192.58
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.52	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.28	
26 05 36 00-1179	EA		30" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	491.76	216.75
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.11	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.59	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1180 EA 36" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	546.79 -34.06 27.34	247.42
<b>26 05 36 00-1181 90 Degree, 24" Radius Vertical Risers</b> <small>(26 05 36 00-1124)</small>		
26 05 36 00-1182 EA 6" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	304.33 -21.01 15.22	113.03
26 05 36 00-1183 EA 9" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	337.53 -22.92 16.88	130.05
26 05 36 00-1184 EA 12" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	364.54 -24.41 18.23	144.47
26 05 36 00-1185 EA 18" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	429.57 -28.00 21.48	179.46
26 05 36 00-1186 EA 24" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	485.22 -31.18 24.26	208.18
26 05 36 00-1187 EA 30" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	539.90 -34.30 27.00	236.25
26 05 36 00-1188 EA 36" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	611.96 -38.39 30.60	273.65
<b>26 05 36 00-1189 90 Degree, 36" Radius Vertical Risers</b> <small>(26 05 36 00-1124)</small>		
26 05 36 00-1190 EA 6" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	376.12 -27.77 18.81	118.13
26 05 36 00-1191 EA 9" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	411.17 -29.71 20.56	136.88
26 05 36 00-1192 EA 12" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	449.92 -32.24 22.50	153.03
26 05 36 00-1193 EA 18" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	523.61 -36.31 26.18	192.58
26 05 36 00-1194 EA 24" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	587.21 -39.88 29.36	226.07
26 05 36 00-1195 EA 30" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	659.46 -44.27 32.97	260.09
26 05 36 00-1196 EA 36" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	744.99 -49.04 37.25	305.62
<b>26 05 36 00-1197 12" Radius Horizontal Tees</b> <small>(26 05 36 00-1124)</small>		
26 05 36 00-1198 EA 6" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	465.74 -29.23 23.29	208.18
26 05 36 00-1199 EA 9" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	503.44 -31.50 25.17	226.07
26 05 36 00-1200 EA 12" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	522.37 -32.55 26.12	236.25
26 05 36 00-1201 EA 18" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	587.38 -37.06 29.37	260.09
26 05 36 00-1202 EA 24" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	650.72 -41.01 32.54	288.70
26 05 36 00-1203 EA 30" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	706.98 -45.19 35.35	306.16
26 05 36 00-1204 EA 36" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	813.40 -52.46 40.67	346.58
<b>26 05 36 00-1205 24" Radius Horizontal Tees</b> <small>(26 05 36 00-1124)</small>		
26 05 36 00-1206 EA 6" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	579.42 -39.10 28.97	226.07
26 05 36 00-1207 EA 9" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	627.29 -42.08 31.36	247.85
26 05 36 00-1208 EA 12" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	653.62 -43.69 32.68	260.09

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 36 00-1209	EA 18" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	720.85 -48.02 36.04	288.70
26 05 36 00-1210	EA 24" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	802.91 -53.20 40.15	325.12
26 05 36 00-1211	EA 30" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	864.05 -57.52 43.20	346.58
26 05 36 00-1212	EA 36" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,105.64 -77.20 55.28	400.44
<b>26 05 36 00-1213</b>	<b>36" Radius Horizontal Tees</b> <small>(26 05 36 00-1124)</small>		
26 05 36 00-1214	EA 6" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	699.37 -49.29 34.97	247.85
26 05 36 00-1215	EA 9" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	750.27 -52.22 37.51	273.65
26 05 36 00-1216	EA 12" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	802.66 -56.20 40.13	288.70
26 05 36 00-1217	EA 18" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	880.83 -60.99 44.04	325.12
26 05 36 00-1218	EA 24" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	992.59 -68.33 49.63	371.18
26 05 36 00-1219	EA 30" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,140.70 -80.70 57.04	400.44
26 05 36 00-1220	EA 36" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,313.58 -91.98 65.68	472.51
<b>26 05 36 00-1221</b>	<b>12" Radius Vertical Tees</b> <small>(26 05 36 00-1124)</small>		
26 05 36 00-1222	EA 6" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	587.89 -42.74 29.39	192.58
26 05 36 00-1223	EA 9" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	608.33 -44.15 30.42	200.16
26 05 36 00-1224	EA 12" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	623.53 -45.01 31.18	208.18
26 05 36 00-1225	EA 18" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	659.28 -47.09 32.96	226.07
26 05 36 00-1226	EA 24" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	699.64 -50.27 34.98	236.25
26 05 36 00-1227	EA 30" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	745.17 -52.84 37.26	260.09
26 05 36 00-1228	EA 36" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	802.66 -56.20 40.13	288.70
<b>26 05 36 00-1229</b>	<b>24" Radius Vertical Tees</b> <small>(26 05 36 00-1124)</small>		
26 05 36 00-1230	EA 6" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	798.85 -62.54 39.94	208.18
26 05 36 00-1231	EA 9" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	819.03 -63.84 40.95	216.75
26 05 36 00-1232	EA 12" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	840.45 -65.20 42.02	226.07
26 05 36 00-1233	EA 18" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	890.28 -68.38 44.51	247.85
26 05 36 00-1234	EA 24" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	922.45 -70.57 46.12	260.09
26 05 36 00-1235	EA 30" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	981.88 -74.13 49.09	288.70
26 05 36 00-1236	EA 36" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,087.32 -81.64 54.37	325.12
<b>26 05 36 00-1237</b>	<b>36" Radius Vertical Tees</b> <small>(26 05 36 00-1124)</small>		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1238 EA 6" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,236.58 -104.82 61.83	226.07
26 05 36 00-1239 EA 9" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,264.73 -106.78 63.24	236.25
26 05 36 00-1240 EA 12" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,295.10 -108.86 64.76	247.85
26 05 36 00-1241 EA 18" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,349.39 -112.13 67.47	273.65
26 05 36 00-1242 EA 24" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,385.67 -114.51 69.28	288.70
26 05 36 00-1243 EA 30" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,479.79 -120.89 73.99	325.12
26 05 36 00-1244 EA 36" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,567.65 -125.84 78.38	371.18
<b>26 05 36 00-1245 12" Radius Horizontal Crosses</b> <small>(26 05 36 00-1124)</small>		
26 05 36 00-1246 EA 6" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	599.07 -38.23 29.95	260.09
26 05 36 00-1247 EA 9" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	639.23 -41.12 31.96	273.65
26 05 36 00-1248 EA 12" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	666.30 -42.57 33.32	288.70
26 05 36 00-1249 EA 18" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	734.25 -47.91 36.71	306.16
26 05 36 00-1250 EA 24" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	809.51 -52.07 40.48	346.58
26 05 36 00-1251 EA 30" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	891.29 -58.20 44.56	371.18
26 05 36 00-1252 EA 36" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,008.24 -67.46 50.41	400.44
<b>26 05 36 00-1253 24" Radius Horizontal Crosses</b> <small>(26 05 36 00-1124)</small>		
26 05 36 00-1254 EA 6" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	798.77 -55.82 39.94	288.70
26 05 36 00-1255 EA 9" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	837.50 -58.24 41.88	306.16
26 05 36 00-1256 EA 12" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	878.88 -60.79 43.94	325.12
26 05 36 00-1257 EA 18" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	932.23 -64.34 46.61	346.58
26 05 36 00-1258 EA 24" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,053.04 -71.94 52.65	400.44
26 05 36 00-1259 EA 30" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,135.48 -77.42 56.77	433.49
26 05 36 00-1260 EA 36" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,253.19 -85.94 62.66	472.51
<b>26 05 36 00-1261 36" Radius Horizontal Crosses</b> <small>(26 05 36 00-1124)</small>		
26 05 36 00-1262 EA 6" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	915.89 -64.50 45.79	325.12
26 05 36 00-1263 EA 9" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	967.30 -67.85 48.37	346.58
26 05 36 00-1264 EA 12" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,031.55 -72.23 51.58	371.18
26 05 36 00-1265 EA 18" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,107.58 -77.39 55.38	400.44
26 05 36 00-1266 EA 24" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,333.06 -93.93 66.65	472.51

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 36 00-1267	EA 30" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,469.50 -103.67 73.48	519.32
26 05 36 00-1268	EA 36" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,636.25 -115.42 81.81	578.50
<b>26 05 36 00-1269</b>	<b>12" Radius Vertical Crosses</b> <small>(26 05 36 00-1124)</small>		
26 05 36 00-1270	EA 6" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	599.07 -38.23 29.95	260.09
26 05 36 00-1271	EA 9" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	639.23 -41.12 31.96	273.65
26 05 36 00-1272	EA 12" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	666.30 -42.57 33.32	288.70
26 05 36 00-1273	EA 18" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	734.25 -47.91 36.71	306.16
26 05 36 00-1274	EA 24" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	809.51 -52.07 40.48	346.58
26 05 36 00-1275	EA 30" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	891.29 -58.20 44.56	371.18
26 05 36 00-1276	EA 36" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,006.60 -67.38 50.33	399.36
<b>26 05 36 00-1277</b>	<b>24" Radius Vertical Crosses</b> <small>(26 05 36 00-1124)</small>		
26 05 36 00-1278	EA 6" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	798.77 -55.82 39.94	288.70
26 05 36 00-1279	EA 9" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	837.50 -58.24 41.88	306.16
26 05 36 00-1280	EA 12" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	878.88 -60.79 43.94	325.12
26 05 36 00-1281	EA 18" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	932.23 -64.34 46.61	346.58
26 05 36 00-1282	EA 24" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,053.04 -71.94 52.65	400.44
26 05 36 00-1283	EA 30" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,135.48 -77.42 56.77	433.49
26 05 36 00-1284	EA 36" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,253.19 -85.94 62.66	472.51
<b>26 05 36 00-1285</b>	<b>36" Radius Vertical Crosses</b> <small>(26 05 36 00-1124)</small>		
26 05 36 00-1286	EA 6" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,084.20 -81.33 54.21	325.12
26 05 36 00-1287	EA 9" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,142.62 -85.38 57.13	346.58
26 05 36 00-1288	EA 12" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,217.39 -90.81 60.87	371.18
26 05 36 00-1289	EA 18" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,305.70 -97.20 65.29	400.44
26 05 36 00-1290	EA 24" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,578.51 -118.47 78.93	472.51
26 05 36 00-1291	EA 30" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,741.25 -130.84 87.06	519.32
26 05 36 00-1292	EA 36" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,938.68 -145.66 96.93	578.50
<b>26 05 36 00-1293</b>	<b>12" Rung Tray Fittings</b> <small>(26 05 36 00-0744)</small>		
<b>26 05 36 00-1294</b>	<b>90 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-1293)</small>		
26 05 36 00-1295	EA 6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	252.67 -16.21 12.63	108.70
26 05 36 00-1296	EA 9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	279.72 -17.65 13.99	123.77



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1297 EA 12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	315.02	136.88
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.10	
For 6" Overall Height Instead Of 4-5/8", Add	15.75	
26 05 36 00-1298 EA 18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	377.43	167.76
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.76	
For 6" Overall Height Instead Of 4-5/8", Add	18.87	
26 05 36 00-1299 EA 24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	442.39	192.58
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.19	
For 6" Overall Height Instead Of 4-5/8", Add	22.12	
26 05 36 00-1300 EA 30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	489.87	216.75
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.93	
For 6" Overall Height Instead Of 4-5/8", Add	24.49	
26 05 36 00-1301 EA 36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	568.68	247.74
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-36.22	
For 6" Overall Height Instead Of 4-5/8", Add	28.43	
<b>26 05 36 00-1302 90 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-1293)</small>		
26 05 36 00-1303 EA 6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	315.24	113.03
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.10	
For 6" Overall Height Instead Of 4-5/8", Add	15.76	
26 05 36 00-1304 EA 9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	348.83	129.94
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.05	
For 6" Overall Height Instead Of 4-5/8", Add	17.44	
26 05 36 00-1305 EA 12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	379.43	144.47
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.90	
For 6" Overall Height Instead Of 4-5/8", Add	18.97	
26 05 36 00-1306 EA 18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	449.42	179.46
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.99	
For 6" Overall Height Instead Of 4-5/8", Add	22.47	
26 05 36 00-1307 EA 24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	511.77	208.18
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.83	
For 6" Overall Height Instead Of 4-5/8", Add	25.59	
26 05 36 00-1308 EA 30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	574.06	236.25
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-37.72	
For 6" Overall Height Instead Of 4-5/8", Add	28.70	
26 05 36 00-1309 EA 36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	659.03	273.65
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-43.10	
For 6" Overall Height Instead Of 4-5/8", Add	32.95	
<b>26 05 36 00-1310 90 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-1293)</small>		
26 05 36 00-1311 EA 6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	336.40	118.13
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.80	
For 6" Overall Height Instead Of 4-5/8", Add	16.82	
26 05 36 00-1312 EA 9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	370.98	136.77
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.71	
For 6" Overall Height Instead Of 4-5/8", Add	18.55	
26 05 36 00-1313 EA 12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	414.55	153.03
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.70	
For 6" Overall Height Instead Of 4-5/8", Add	20.73	
26 05 36 00-1314 EA 18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	500.37	192.58
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.99	
For 6" Overall Height Instead Of 4-5/8", Add	25.02	
26 05 36 00-1315 EA 24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	579.73	226.07
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.13	
For 6" Overall Height Instead Of 4-5/8", Add	28.99	
26 05 36 00-1316 EA 30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	656.33	260.09
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-43.96	
For 6" Overall Height Instead Of 4-5/8", Add	32.82	
26 05 36 00-1317 EA 36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	764.73	305.62
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-51.01	
For 6" Overall Height Instead Of 4-5/8", Add	38.24	
<b>26 05 36 00-1318 45 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-1293)</small>		
26 05 36 00-1319 EA 6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	178.36	78.78
For 60 Degree Bend, Deduct	-28.67	
For 30 Degree Bend, Deduct	-52.16	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-11.27	
For 6" Overall Height Instead Of 4-5/8", Add	8.92	
26 05 36 00-1320 EA 9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	206.35	94.50
For 60 Degree Bend, Deduct	-31.89	
For 30 Degree Bend, Deduct	-58.39	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-12.76	
For 6" Overall Height Instead Of 4-5/8", Add	10.32	
26 05 36 00-1321 EA 12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	231.36	108.38
For 60 Degree Bend, Deduct	-34.80	
For 30 Degree Bend, Deduct	-64.03	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-14.10	
For 6" Overall Height Instead Of 4-5/8", Add	11.57	
26 05 36 00-1322 EA 18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	288.03	136.99
For 60 Degree Bend, Deduct	-42.55	
For 30 Degree Bend, Deduct	-78.53	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.39	
For 6" Overall Height Instead Of 4-5/8", Add	14.40	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 36 00-1323	EA 24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	353.88	167.76
	For 60 Degree Bend, Deduct	-52.47	
	For 30 Degree Bend, Deduct	-96.77	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.41	
	For 6" Overall Height Instead Of 4-5/8", Add	17.69	
26 05 36 00-1324	EA 30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	406.16	192.58
	For 60 Degree Bend, Deduct	-60.20	
	For 30 Degree Bend, Deduct	-111.03	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.57	
	For 6" Overall Height Instead Of 4-5/8", Add	20.31	
26 05 36 00-1325	EA 36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	465.59	226.07
	For 60 Degree Bend, Deduct	-66.98	
	For 30 Degree Bend, Deduct	-124.19	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.72	
	For 6" Overall Height Instead Of 4-5/8", Add	23.28	
<b>26 05 36 00-1326</b>	<b>45 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-1293)</small>		
26 05 36 00-1327	EA 6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	198.81	81.28
	For 60 Degree Bend, Deduct	-34.47	
	For 30 Degree Bend, Deduct	-61.96	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-13.11	
	For 6" Overall Height Instead Of 4-5/8", Add	9.94	
26 05 36 00-1328	EA 9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	233.97	97.97
	For 60 Degree Bend, Deduct	-39.65	
	For 30 Degree Bend, Deduct	-71.53	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-15.23	
	For 6" Overall Height Instead Of 4-5/8", Add	11.70	
26 05 36 00-1329	EA 12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	261.02	113.14
	For 60 Degree Bend, Deduct	-42.77	
	For 30 Degree Bend, Deduct	-77.57	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-16.67	
	For 6" Overall Height Instead Of 4-5/8", Add	13.05	
26 05 36 00-1330	EA 18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	318.74	144.47
	For 60 Degree Bend, Deduct	-49.79	
	For 30 Degree Bend, Deduct	-91.01	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-19.83	
	For 6" Overall Height Instead Of 4-5/8", Add	15.94	
26 05 36 00-1331	EA 24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	389.63	179.46
	For 60 Degree Bend, Deduct	-59.80	
	For 30 Degree Bend, Deduct	-109.63	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.01	
	For 6" Overall Height Instead Of 4-5/8", Add	19.48	
26 05 36 00-1332	EA 30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	455.61	208.18
	For 60 Degree Bend, Deduct	-70.56	
	For 30 Degree Bend, Deduct	-129.17	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.22	
	For 6" Overall Height Instead Of 4-5/8", Add	22.78	
26 05 36 00-1333	EA 36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	527.15	247.85
	For 60 Degree Bend, Deduct	-78.97	
	For 30 Degree Bend, Deduct	-145.38	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.06	
	For 6" Overall Height Instead Of 4-5/8", Add	26.36	
<b>26 05 36 00-1334</b>	<b>45 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-1293)</small>		
26 05 36 00-1335	EA 6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	224.88	83.88
	For 60 Degree Bend, Deduct	-42.07	
	For 30 Degree Bend, Deduct	-74.78	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-15.50	
	For 6" Overall Height Instead Of 4-5/8", Add	11.24	
26 05 36 00-1336	EA 9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	256.72	101.87
	For 60 Degree Bend, Deduct	-45.67	
	For 30 Degree Bend, Deduct	-81.78	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.18	
	For 6" Overall Height Instead Of 4-5/8", Add	12.84	
26 05 36 00-1337	EA 12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	285.82	118.23
	For 60 Degree Bend, Deduct	-49.00	
	For 30 Degree Bend, Deduct	-88.23	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-18.73	
	For 6" Overall Height Instead Of 4-5/8", Add	14.29	
26 05 36 00-1338	EA 18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	352.95	153.03
	For 60 Degree Bend, Deduct	-57.80	
	For 30 Degree Bend, Deduct	-104.83	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.54	
	For 6" Overall Height Instead Of 4-5/8", Add	17.65	
26 05 36 00-1339	EA 24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	440.58	192.58
	For 60 Degree Bend, Deduct	-71.56	
	For 30 Degree Bend, Deduct	-129.97	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.01	
	For 6" Overall Height Instead Of 4-5/8", Add	22.03	
26 05 36 00-1340	EA 30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	503.64	226.07
	For 60 Degree Bend, Deduct	-79.53	
	For 30 Degree Bend, Deduct	-145.12	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.52	
	For 6" Overall Height Instead Of 4-5/8", Add	25.18	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1341 EA 36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	595.62	273.65
For 60 Degree Bend, Deduct	-91.65	
For 30 Degree Bend, Deduct	-167.95	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-36.76	
For 6" Overall Height Instead Of 4-5/8", Add	29.78	
<b>26 05 36 00-1342 90 Degree, 12" Radius Vertical Risers (26 05 36 00-1293)</b>		
26 05 36 00-1343 EA 6" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	277.06	108.38
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-18.67	
For 6" Overall Height Instead Of 4-5/8", Add	13.85	
26 05 36 00-1344 EA 9" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	308.04	123.77
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.49	
For 6" Overall Height Instead Of 4-5/8", Add	15.40	
26 05 36 00-1345 EA 12" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	331.50	136.88
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.75	
For 6" Overall Height Instead Of 4-5/8", Add	16.58	
26 05 36 00-1346 EA 18" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	386.55	167.76
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.68	
For 6" Overall Height Instead Of 4-5/8", Add	19.33	
26 05 36 00-1347 EA 24" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	433.22	192.58
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.27	
For 6" Overall Height Instead Of 4-5/8", Add	21.66	
26 05 36 00-1348 EA 30" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	478.71	216.75
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.81	
For 6" Overall Height Instead Of 4-5/8", Add	23.94	
26 05 36 00-1349 EA 36" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	533.35	247.42
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.72	
For 6" Overall Height Instead Of 4-5/8", Add	26.67	
<b>26 05 36 00-1350 90 Degree, 24" Radius Vertical Risers (26 05 36 00-1293)</b>		
26 05 36 00-1351 EA 6" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	292.74	113.03
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-19.85	
For 6" Overall Height Instead Of 4-5/8", Add	14.64	
26 05 36 00-1352 EA 9" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	325.45	130.05
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.71	
For 6" Overall Height Instead Of 4-5/8", Add	16.27	
26 05 36 00-1353 EA 12" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	352.17	144.47
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.18	
For 6" Overall Height Instead Of 4-5/8", Add	17.61	
26 05 36 00-1354 EA 18" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	416.52	179.46
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.70	
For 6" Overall Height Instead Of 4-5/8", Add	20.83	
26 05 36 00-1355 EA 24" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	471.39	208.18
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.79	
For 6" Overall Height Instead Of 4-5/8", Add	23.57	
26 05 36 00-1356 EA 30" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	525.29	236.25
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.84	
For 6" Overall Height Instead Of 4-5/8", Add	26.26	
26 05 36 00-1357 EA 36" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	596.38	273.65
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-36.83	
For 6" Overall Height Instead Of 4-5/8", Add	29.82	
<b>26 05 36 00-1358 90 Degree, 36" Radius Vertical Risers (26 05 36 00-1293)</b>		
26 05 36 00-1359 EA 6" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	358.20	118.13
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.98	
For 6" Overall Height Instead Of 4-5/8", Add	17.91	
26 05 36 00-1360 EA 9" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	392.86	136.88
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.88	
For 6" Overall Height Instead Of 4-5/8", Add	19.64	
26 05 36 00-1361 EA 12" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	430.44	153.03
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.29	
For 6" Overall Height Instead Of 4-5/8", Add	21.52	
26 05 36 00-1362 EA 18" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	503.35	192.58
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.28	
For 6" Overall Height Instead Of 4-5/8", Add	25.17	
26 05 36 00-1363 EA 24" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	566.17	226.07
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-37.78	
For 6" Overall Height Instead Of 4-5/8", Add	28.31	
26 05 36 00-1364 EA 30" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	636.86	260.09
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-42.01	
For 6" Overall Height Instead Of 4-5/8", Add	31.84	
26 05 36 00-1365 EA 36" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	721.42	305.62
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-46.68	
For 6" Overall Height Instead Of 4-5/8", Add	36.07	
<b>26 05 36 00-1366 12" Radius Horizontal Tees (26 05 36 00-1293)</b>		
26 05 36 00-1367 EA 6" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	453.86	208.18
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.04	
For 6" Overall Height Instead Of 4-5/8", Add	22.69	
26 05 36 00-1368 EA 9" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	490.78	226.07
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.24	
For 6" Overall Height Instead Of 4-5/8", Add	24.54	
26 05 36 00-1369 EA 12" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	509.51	236.25
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.26	
For 6" Overall Height Instead Of 4-5/8", Add	25.48	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 36 00-1370	EA 18" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	571.99 -35.52 28.60	260.09
26 05 36 00-1371	EA 24" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	633.77 -39.32 31.69	288.70
26 05 36 00-1372	EA 30" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	687.31 -43.22 34.37	306.16
26 05 36 00-1373	EA 36" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	789.83 -50.10 39.49	346.58
<b>26 05 36 00-1374</b>	<b>24" Radius Horizontal Tees</b> <small>(26 05 36 00-1293)</small>		
26 05 36 00-1375	EA 6" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	559.16 -37.08 27.96	226.07
26 05 36 00-1376	EA 9" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	605.87 -39.94 30.29	247.85
26 05 36 00-1377	EA 12" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	631.60 -41.49 31.58	260.09
26 05 36 00-1378	EA 18" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	696.89 -45.63 34.84	288.70
26 05 36 00-1379	EA 24" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	776.80 -50.59 38.84	325.12
26 05 36 00-1380	EA 30" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	835.41 -54.66 41.77	346.58
26 05 36 00-1381	EA 36" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,061.81 -72.81 53.09	400.44
<b>26 05 36 00-1382</b>	<b>36" Radius Horizontal Tees</b> <small>(26 05 36 00-1293)</small>		
26 05 36 00-1383	EA 6" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	670.73 -46.42 33.54	247.85
26 05 36 00-1384	EA 9" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	720.86 -49.28 36.04	273.65
26 05 36 00-1385	EA 12" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	770.52 -52.99 38.53	288.70
26 05 36 00-1386	EA 18" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	846.93 -57.60 42.35	325.12
26 05 36 00-1387	EA 24" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	955.19 -64.59 47.76	371.18
26 05 36 00-1388	EA 30" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,093.36 -75.97 54.67	400.44
26 05 36 00-1389	EA 36" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,260.98 -86.72 63.05	472.51
<b>26 05 36 00-1390</b>	<b>12" Radius Vertical Tees</b> <small>(26 05 36 00-1293)</small>		
26 05 36 00-1391	EA 6" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	561.20 -40.07 28.06	192.58
26 05 36 00-1392	EA 9" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	580.86 -41.40 29.04	200.16
26 05 36 00-1393	EA 12" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	595.87 -42.24 29.79	208.18
26 05 36 00-1394	EA 18" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	631.04 -44.26 31.55	226.07
26 05 36 00-1395	EA 24" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	669.06 -47.22 33.45	236.25
26 05 36 00-1396	EA 30" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	714.01 -49.73 35.70	260.09
26 05 36 00-1397	EA 36" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	770.52 -52.99 38.53	288.70
<b>26 05 36 00-1398</b>	<b>24" Radius Vertical Tees</b> <small>(26 05 36 00-1293)</small>		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1399 EA 6" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	753.66 -58.02 37.68	208.18
26 05 36 00-1400 EA 9" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	773.25 -59.26 38.66	216.75
26 05 36 00-1401 EA 12" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	794.09 -60.57 39.70	226.07
26 05 36 00-1402 EA 18" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	842.55 -63.60 42.13	247.85
26 05 36 00-1403 EA 24" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	873.55 -65.68 43.68	260.09
26 05 36 00-1404 EA 30" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	931.82 -69.12 46.59	288.70
26 05 36 00-1405 EA 36" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,032.77 -76.18 51.64	325.12
<b>26 05 36 00-1406 36" Radius Vertical Tees</b> <small>(26 05 36 00-1293)</small>		
26 05 36 00-1407 EA 6" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,150.61 -96.22 57.53	226.07
26 05 36 00-1408 EA 9" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,177.63 -98.07 58.88	236.25
26 05 36 00-1409 EA 12" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,206.89 -100.04 60.34	247.85
26 05 36 00-1410 EA 18" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,260.06 -103.20 63.00	273.65
26 05 36 00-1411 EA 24" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,295.23 -105.46 64.76	288.70
26 05 36 00-1412 EA 30" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,386.00 -111.51 69.30	325.12
26 05 36 00-1413 EA 36" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,472.74 -116.35 73.64	371.18
<b>26 05 36 00-1414 12" Radius Horizontal Crosses</b> <small>(26 05 36 00-1293)</small>		
26 05 36 00-1415 EA 6" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	582.51 -36.58 29.13	260.09
26 05 36 00-1416 EA 9" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	620.92 -39.29 31.05	273.65
26 05 36 00-1417 EA 12" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	647.80 -40.72 32.39	288.70
26 05 36 00-1418 EA 18" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	711.85 -45.67 35.59	306.16
26 05 36 00-1419 EA 24" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	786.32 -49.75 39.32	346.58
26 05 36 00-1420 EA 30" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	864.02 -55.47 43.20	371.18
26 05 36 00-1421 EA 36" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	974.14 -64.05 48.71	400.44
<b>26 05 36 00-1422 24" Radius Horizontal Crosses</b> <small>(26 05 36 00-1293)</small>		
26 05 36 00-1423 EA 6" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	767.02 -52.64 38.35	288.70
26 05 36 00-1424 EA 9" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	804.77 -54.97 40.24	306.16
26 05 36 00-1425 EA 12" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	845.18 -57.42 42.26	325.12
26 05 36 00-1426 EA 18" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	896.78 -60.79 44.84	346.58
26 05 36 00-1427 EA 24" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,014.47 -68.08 50.72	400.44

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 36 00-1428	EA 30" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,094.18 -73.29 54.71	433.49
26 05 36 00-1429	EA 36" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,206.63 -81.28 60.33	472.51
<b>26 05 36 00-1430</b>	<b>36" Radius Horizontal Crosses</b> <small>(26 05 36 00-1293)</small>		
26 05 36 00-1431	EA 6" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	878.49 -60.76 43.92	325.12
26 05 36 00-1432	EA 9" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	928.34 -63.95 46.42	346.58
26 05 36 00-1433	EA 12" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	990.25 -68.10 49.51	371.18
26 05 36 00-1434	EA 18" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,063.56 -72.99 53.18	400.44
26 05 36 00-1435	EA 24" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,278.51 -88.47 63.93	472.51
26 05 36 00-1436	EA 30" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,409.11 -97.63 70.46	519.32
26 05 36 00-1437	EA 36" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,569.04 -108.70 78.45	578.50
<b>26 05 36 00-1438</b>	<b>12" Radius Vertical Crosses</b> <small>(26 05 36 00-1293)</small>		
26 05 36 00-1439	EA 6" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	582.51 -36.58 29.13	260.09
26 05 36 00-1440	EA 9" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	621.08 -39.29 31.05	273.76
26 05 36 00-1441	EA 12" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	647.71 -40.71 32.39	288.70
26 05 36 00-1442	EA 18" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	712.05 -45.68 35.60	306.27
26 05 36 00-1443	EA 24" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	786.32 -49.75 39.32	346.58
26 05 36 00-1444	EA 30" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	864.31 -55.49 43.22	371.29
26 05 36 00-1445	EA 36" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	973.32 -64.01 48.67	399.90
<b>26 05 36 00-1446</b>	<b>24" Radius Vertical Crosses</b> <small>(26 05 36 00-1293)</small>		
26 05 36 00-1447	EA 6" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	767.02 -52.64 38.35	288.70
26 05 36 00-1448	EA 9" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	804.77 -54.97 40.24	306.16
26 05 36 00-1449	EA 12" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	845.18 -57.42 42.26	325.12
26 05 36 00-1450	EA 18" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	896.78 -60.79 44.84	346.58
26 05 36 00-1451	EA 24" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,014.47 -68.08 50.72	400.44
26 05 36 00-1452	EA 30" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,094.18 -73.29 54.71	433.49
26 05 36 00-1453	EA 36" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,206.63 -81.28 60.33	472.51
<b>26 05 36 00-1454</b>	<b>36" Radius Vertical Crosses</b> <small>(26 05 36 00-1293)</small>		
26 05 36 00-1455	EA 6" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,029.97 -75.90 51.50	325.12
26 05 36 00-1456	EA 9" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,086.13 -79.73 54.31	346.58

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 36 00-1457	EA 12" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,157.51 -84.82 57.88		371.18
26 05 36 00-1458	EA 18" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,241.86 -90.82 62.09		400.44
26 05 36 00-1459	EA 24" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,499.42 -110.56 74.97		472.51
26 05 36 00-1460	EA 30" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,653.69 -122.09 82.68		519.32
26 05 36 00-1461	EA 36" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,841.23 -135.91 92.06		578.50
<b>26 05 36 00-1462 Dropout Or End Plates And Reducers (26 05 36 00-0744)</b>				
<b>26 05 36 00-1463 Straight Reducers (26 05 36 00-1462)</b>				
26 05 36 00-1464	EA 9"-6" Reducer, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	220.99 -15.43 11.05		79.98
26 05 36 00-1465	EA 12"-9" Reducer, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	233.96 -16.18 11.70		86.59
26 05 36 00-1466	EA 18"-12" Reducer, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	258.18 -17.49 12.91		99.92
26 05 36 00-1467	EA 24"-18" Reducer, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	286.21 -18.99 14.31		115.64
26 05 36 00-1468	EA 30"-24" Reducer, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	312.20 -20.38 15.61		130.05
26 05 36 00-1469	EA 36"-30" Reducer, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	348.95 -22.51 17.45		148.58
<b>26 05 36 00-1470 Reducers (26 05 36 00-1462)</b>				
26 05 36 00-1471	EA 18"-6" Reducer, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	258.29 -17.49 12.91		100.03
26 05 36 00-1472	EA 24"-12" Reducer, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	286.49 -19.00 14.32		115.75
26 05 36 00-1473	EA 30"-12" Reducer, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	312.03 -20.37 15.60		129.94
26 05 36 00-1474	EA 30"-18" Reducer, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	313.81 -20.56 15.69		129.83
26 05 36 00-1475	EA 36"-12" Reducer, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	347.00 -22.32 17.35		148.58
26 05 36 00-1476	EA 36"-18" Reducer, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	355.46 -22.84 17.77		152.49
26 05 36 00-1477	EA 36"-24" Reducer, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	367.47 -23.63 18.37		157.36
<b>26 05 36 00-1478 Dropout Or End Plate (26 05 36 00-1462)</b>				
26 05 36 00-1479	EA 6" Dropout Or End Plate, Aluminum Cable Tray.....	65.77		32.51
26 05 36 00-1480	EA 9" Dropout Or End Plate, Aluminum Cable Tray.....	74.25		37.17
26 05 36 00-1481	EA 12" Dropout Or End Plate, Aluminum Cable Tray.....	80.09		39.99
26 05 36 00-1482	EA 18" Dropout Or End Plate, Aluminum Cable Tray.....	96.80		47.25
26 05 36 00-1483	EA 24" Dropout Or End Plate, Aluminum Cable Tray.....	107.83		52.02
26 05 36 00-1484	EA 30" Dropout Or End Plate, Aluminum Cable Tray.....	121.48		57.76
26 05 36 00-1485	EA 36" Dropout Or End Plate, Aluminum Cable Tray.....	136.33		65.02
<b>26 05 36 00-1486 Solid Bottom Cable Tray (26 05 36 00-0001)</b> Note: 3-5/8" Height.				
<b>26 05 36 00-1487 Solid Bottom Galvanized Steel Straight Tray Sections (26 05 36 00-1486)</b>				
26 05 36 00-1488	LF 6" Solid Bottom Steel Cable Tray, Straight Section ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	28.38 2.84		8.45
26 05 36 00-1489	LF 12" Solid Bottom Steel Cable Tray, Straight Section ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	35.37 3.58		10.41
26 05 36 00-1490	LF 18" Solid Bottom Steel Cable Tray, Straight Section ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	47.11 4.57		14.96
26 05 36 00-1491	LF 24" Solid Bottom Steel Cable Tray, Straight Section ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	54.51 5.32		17.12
26 05 36 00-1492	LF 30" Solid Bottom Steel Cable Tray, Straight Section ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	65.32 6.34		20.70

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1493	LF	36"	Solid Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	83.63 8.59	23.74
<b>26 05 36 00-1494</b>			<b>Solid Bottom Galvanized Steel Cable Tray Fittings</b> <small>(26 05 36 00-1486)</small>		
<b>26 05 36 00-1495</b>			<b>90 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1496	EA	6"	Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	288.31 25.17	108.48
26 05 36 00-1497	EA	12"	Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	374.87 30.79	152.59
26 05 36 00-1498	EA	18"	Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	458.69 36.70	192.58
26 05 36 00-1499	EA	24"	Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	562.18 44.89	236.58
26 05 36 00-1500	EA	30"	Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	656.96 52.86	274.19
26 05 36 00-1501	EA	36"	Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	738.26 59.72	306.16
<b>26 05 36 00-1502</b>			<b>90 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1503	EA	6"	Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	341.02 32.33	112.93
26 05 36 00-1504	EA	12"	Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	449.77 40.34	162.67
26 05 36 00-1505	EA	18"	Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	553.43 48.32	208.18
26 05 36 00-1506	EA	24"	Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	674.43 57.82	260.09
26 05 36 00-1507	EA	30"	Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	791.10 67.74	305.62
26 05 36 00-1508	EA	36"	Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	893.93 76.32	346.58
<b>26 05 36 00-1509</b>			<b>90 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1510	EA	6"	Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	420.35 43.39	118.02
26 05 36 00-1511	EA	12"	Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	541.17 52.23	173.72
26 05 36 00-1512	EA	18"	Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	684.97 65.01	226.39
26 05 36 00-1513	EA	24"	Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	814.69 74.08	288.70
26 05 36 00-1514	EA	30"	Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	977.83 88.91	346.58
26 05 36 00-1515	EA	36"	Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,115.30 100.73	399.36
<b>26 05 36 00-1516</b>			<b>45 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1517	EA	6"	Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	261.54 21.14	108.48
26 05 36 00-1518	EA	12"	Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	344.75 26.27	152.59
26 05 36 00-1519	EA	18"	Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	423.89 31.52	192.37
26 05 36 00-1520	EA	24"	Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	519.65 38.57	236.25
26 05 36 00-1521	EA	30"	Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	606.94 45.35	274.19
26 05 36 00-1522	EA	36"	Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	680.31 51.12	305.62
<b>26 05 36 00-1523</b>			<b>45 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1524	EA	6"	Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	302.97 26.60	113.03
26 05 36 00-1525	EA	12"	Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	404.86 33.64	162.56
26 05 36 00-1526	EA	18"	Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	502.24 40.60	208.41
26 05 36 00-1527	EA	24"	Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	614.20 48.78	260.09
26 05 36 00-1528	EA	30"	Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	721.59 57.22	306.16
26 05 36 00-1529	EA	36"	Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	814.87 64.46	346.58
<b>26 05 36 00-1530</b>			<b>45 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1531	EA	6"	Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	364.70 35.02	118.13
26 05 36 00-1532	EA	12"	Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	451.31 41.44	157.47



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 36 00-1533	EA			18" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	608.06	226.39
				<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	53.48	
26 05 36 00-1534	EA			24" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	732.17	289.26
				<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	61.62	
26 05 36 00-1535	EA			30" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	877.79	346.58
				<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	73.90	
26 05 36 00-1536	EA			36" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	1,004.54	400.44
				<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	83.95	
26 05 36 00-1537				<b>90 Degree, 12" Radius Vertical Risers</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1538	EA			6" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray .....	311.50	108.16
				<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	28.70	
26 05 36 00-1539	EA			12" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray .....	392.08	152.59
				<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	33.37	
26 05 36 00-1540	EA			18" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray .....	460.84	192.58
				<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	37.03	
26 05 36 00-1541	EA			24" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray .....	557.88	236.58
				<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	44.24	
26 05 36 00-1542	EA			30" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray .....	631.14	274.19
				<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	48.98	
26 05 36 00-1543	EA			36" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray .....	689.99	305.62
				<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	52.57	
26 05 36 00-1544				<b>90 Degree, 24" Radius Vertical Risers</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1545	EA			6" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray .....	373.29	112.93
				<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	37.17	
26 05 36 00-1546	EA			12" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray .....	473.43	162.67
				<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	43.89	
26 05 36 00-1547	EA			18" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray .....	566.34	208.18
				<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	50.26	
26 05 36 00-1548	EA			24" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray .....	672.28	260.09
				<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	57.49	
26 05 36 00-1549	EA			30" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray .....	760.98	305.62
				<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	63.22	
26 05 36 00-1550	EA			36" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray .....	853.05	346.58
				<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	70.19	
26 05 36 00-1551				<b>90 Degree, 36" Radius Vertical Risers</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1552	EA			6" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray .....	448.32	118.02
				<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	47.59	
26 05 36 00-1553	EA			12" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray .....	544.86	157.79
				<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	55.43	
26 05 36 00-1554	EA			18" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray .....	684.97	226.39
				<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	65.01	
26 05 36 00-1555	EA			24" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray .....	818.99	288.70
				<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	74.72	
26 05 36 00-1556	EA			30" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray .....	945.56	346.58
				<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	84.07	
26 05 36 00-1557	EA			36" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray .....	1,065.83	399.36
				<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	93.31	
26 05 36 00-1558				<b>12" Radius Horizontal Tees</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1559	EA			6" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray .....	497.50	208.18
				<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	39.93	
26 05 36 00-1560	EA			12" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray .....	596.30	259.66
				<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	46.17	
26 05 36 00-1561	EA			18" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray .....	703.84	306.16
				<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	54.55	
26 05 36 00-1562	EA			24" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray .....	837.27	371.94
				<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	63.59	
26 05 36 00-1563	EA			30" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray .....	914.73	400.44
				<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	70.48	
26 05 36 00-1564	EA			36" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray .....	1,071.58	472.51
				<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	81.98	
26 05 36 00-1565				<b>24" Radius Horizontal Tees</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1566	EA			6" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray .....	611.31	226.07
				<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	54.01	
26 05 36 00-1567	EA			12" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray .....	754.45	288.70
				<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	65.04	
26 05 36 00-1568	EA			18" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray .....	881.02	346.58
				<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	74.38	
26 05 36 00-1569	EA			24" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray .....	1,133.39	433.49
				<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	97.76	
26 05 36 00-1570	EA			30" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray .....	1,235.07	472.51
				<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	106.50	
26 05 36 00-1571	EA			36" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray .....	1,448.21	578.50
				<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	120.81	
26 05 36 00-1572				<b>36" Radius Horizontal Tees</b> <small>(26 05 36 00-1494)</small>		

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 36 00-1573	EA 6" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	780.88 75.83	247.85
26 05 36 00-1574	EA 12" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	952.76 88.73	325.12
26 05 36 00-1575	EA 18" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,114.79 100.49	400.44
26 05 36 00-1576	EA 24" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,362.00 125.54	472.51
26 05 36 00-1577	EA 30" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,492.26 137.00	521.06
26 05 36 00-1578	EA 36" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,729.12 150.99	650.25
<b>26 05 36 00-1579 12" Radius Vertical Tees (26 05 36 00-1494)</b>			
26 05 36 00-1580	EA 6" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	594.31 54.46	208.18
26 05 36 00-1581	EA 12" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	691.64 60.40	260.09
26 05 36 00-1582	EA 18" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	743.69 63.43	288.70
26 05 36 00-1583	EA 24" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	797.55 68.70	305.62
26 05 36 00-1584	EA 30" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	885.32 75.03	346.58
26 05 36 00-1585	EA 36" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	985.72 81.13	400.44
<b>26 05 36 00-1586 24" Radius Vertical Tees (26 05 36 00-1494)</b>			
26 05 36 00-1587	EA 6" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	742.54 73.70	226.07
26 05 36 00-1588	EA 12" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	864.17 81.50	288.70
26 05 36 00-1589	EA 18" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	944.16 87.44	325.12
26 05 36 00-1590	EA 24" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	999.34 92.13	346.58
26 05 36 00-1591	EA 30" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,129.85 102.74	400.44
26 05 36 00-1592	EA 36" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,271.64 111.99	472.51
<b>26 05 36 00-1593 36" Radius Vertical Tees (26 05 36 00-1494)</b>			
26 05 36 00-1594	EA 6" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	982.47 106.13	247.42
26 05 36 00-1595	EA 12" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,122.71 114.22	325.12
26 05 36 00-1596	EA 18" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,242.44 124.51	371.18
26 05 36 00-1597	EA 24" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,312.71 130.17	400.44
26 05 36 00-1598	EA 30" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,540.55 152.32	472.51
26 05 36 00-1599	EA 36" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,661.58 162.68	519.32
<b>26 05 36 00-1600 12" Radius Horizontal Crosses (26 05 36 00-1494)</b>			
26 05 36 00-1601	EA 6" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	614.20 48.78	260.09
26 05 36 00-1602	EA 12" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	706.00 54.88	306.16
26 05 36 00-1603	EA 18" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	848.76 65.46	371.18
26 05 36 00-1604	EA 24" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	980.65 74.85	433.49
26 05 36 00-1605	EA 30" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,153.88 86.52	519.32
26 05 36 00-1606	EA 36" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,280.42 95.65	578.50
<b>26 05 36 00-1607 24" Radius Horizontal Crosses (26 05 36 00-1494)</b>			
26 05 36 00-1608	EA 6" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	811.23 73.48	289.26
26 05 36 00-1609	EA 12" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	945.56 84.07	346.58
26 05 36 00-1610	EA 18" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,133.39 97.76	433.49
26 05 36 00-1611	EA 24" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,395.45 122.48	521.06
26 05 36 00-1612	EA 30" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,534.27 133.72	578.50
26 05 36 00-1613	EA 36" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,686.09 144.54	650.25

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>26 05 36 00-1614 36" Radius Horizontal Crosses</b> <small>(26 05 36 00-1494)</small>			
26 05 36 00-1615	EA 6" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,079.69 107.77	325.12
26 05 36 00-1616	EA 12" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,258.93 122.11	400.44
26 05 36 00-1617	EA 18" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,513.77 140.23	521.06
26 05 36 00-1618	EA 24" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,727.88 162.76	578.50
26 05 36 00-1619	EA 30" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,911.98 178.42	650.25
26 05 36 00-1620	EA 36" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	2,119.17 194.16	742.26
<b>26 05 36 00-1621 Straight Reducers</b> <small>(26 05 36 00-1494)</small>			
26 05 36 00-1622	EA 12"-6" Reducer, Solid Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	249.91 23.04	86.69
26 05 36 00-1623	EA 18"-12" Reducer, Solid Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	270.87 24.30	97.97
26 05 36 00-1624	EA 24"-18" Reducer, Solid Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	300.02 26.19	112.93
26 05 36 00-1625	EA 30"-24" Reducer, Solid Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	337.22 28.91	130.05
26 05 36 00-1626	EA 36"-30" Reducer, Solid Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	365.17 30.74	144.25
<b>26 05 36 00-1627 Reducers</b> <small>(26 05 36 00-1494)</small>			
26 05 36 00-1628	EA 18"-6" Reducer, Solid Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	270.97 24.30	98.08
26 05 36 00-1629	EA 24"-12" Reducer, Solid Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	298.26 25.88	113.14
26 05 36 00-1630	EA 30"-12" Reducer, Solid Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	332.75 28.25	129.94
26 05 36 00-1631	EA 30"-18" Reducer, Solid Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	334.73 28.57	129.83
26 05 36 00-1632	EA 36"-12" Reducer, Solid Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	363.02 30.41	144.25
26 05 36 00-1633	EA 36"-18" Reducer, Solid Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	365.17 30.74	144.25
26 05 36 00-1634	EA 36"-24" Reducer, Solid Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	367.76 31.08	144.47
<b>26 05 36 00-1635 Dropout Or End Plate</b> <small>(26 05 36 00-1494)</small>			
26 05 36 00-1636	EA 6" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	76.12	32.51
26 05 36 00-1637	EA 12" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	93.43	39.67
26 05 36 00-1638	EA 18" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	107.72	47.04
26 05 36 00-1639	EA 24" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	121.22	52.02
26 05 36 00-1640	EA 30" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	134.97	57.76
26 05 36 00-1641	EA 36" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	149.79	65.02
<b>26 05 36 00-1642 Solid Bottom Aluminum Straight Cable Tray Sections</b> <small>(26 05 36 00-1486)</small>			
26 05 36 00-1643	LF 6" Solid Bottom Aluminum Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	25.18 2.64	6.83
26 05 36 00-1644	LF 12" Solid Bottom Aluminum Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	31.40 3.38	8.02
26 05 36 00-1645	LF 18" Solid Bottom Aluminum Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	40.12 4.28	10.41
26 05 36 00-1646	LF 24" Solid Bottom Aluminum Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	47.73 5.25	11.49
26 05 36 00-1647	LF 30" Solid Bottom Aluminum Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	58.50 6.30	14.85
26 05 36 00-1648	LF 36" Solid Bottom Steel Aluminum Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	69.58 7.72	16.26
<b>26 05 36 00-1649 Solid Bottom Aluminum Cable Tray Fittings</b> <small>(26 05 36 00-1486)</small>			
<b>26 05 36 00-1650 90 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-1649)</small>			
26 05 36 00-1651	EA 6" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	291.57 25.66	108.48
26 05 36 00-1652	EA 12" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	352.34 30.08	136.55
26 05 36 00-1653	EA 18" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	407.26 35.60	152.92
26 05 36 00-1654	EA 24" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	474.26 41.20	179.57
26 05 36 00-1655	EA 30" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	560.33 49.31	208.41
26 05 36 00-1656	EA 36" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	633.33 55.56	236.58

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 05 36 00-1657		<b>90 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-1649)</small>			
26 05 36 00-1658	EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray .....	345.85		112.93
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	33.05		
26 05 36 00-1659	EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray .....	428.06		144.68
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	40.10		
26 05 36 00-1660	EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray .....	483.92		162.56
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	45.49		
26 05 36 00-1661	EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray .....	584.20		192.58
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	55.53		
26 05 36 00-1662	EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray .....	677.59		225.75
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	64.01		
26 05 36 00-1663	EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray .....	779.80		260.09
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	73.62		
26 05 36 00-1664		<b>90 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-1649)</small>			
26 05 36 00-1665	EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray .....	430.38		118.02
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	44.90		
26 05 36 00-1666	EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray .....	535.87		153.24
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	54.84		
26 05 36 00-1667	EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray .....	621.92		173.72
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	64.34		
26 05 36 00-1668	EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray .....	703.17		207.86
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	70.83		
26 05 36 00-1669	EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray .....	816.46		247.85
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	81.17		
26 05 36 00-1670	EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray .....	953.09		288.27
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	94.93		
26 05 36 00-1671		<b>45 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-1649)</small>			
26 05 36 00-1672	EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray .....	267.31		108.48
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	22.01		
26 05 36 00-1673	EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray .....	324.91		136.55
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	25.97		
26 05 36 00-1674	EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray .....	373.49		152.81
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	30.56		
26 05 36 00-1675	EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray .....	435.13		179.25
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	35.40		
26 05 36 00-1676	EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray .....	513.47		208.41
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	42.29		
26 05 36 00-1677	EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray .....	579.61		235.93
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	47.62		
26 05 36 00-1678		<b>45 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-1649)</small>			
26 05 36 00-1679	EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray .....	311.32		113.03
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	27.86		
26 05 36 00-1680	EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray .....	386.70		144.47
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	33.92		
26 05 36 00-1681	EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray .....	437.60		162.88
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	38.49		
26 05 36 00-1682	EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray .....	526.30		192.58
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	46.84		
26 05 36 00-1683	EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray .....	612.34		226.39
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	54.12		
26 05 36 00-1684	EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray .....	703.61		260.09
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	62.19		
26 05 36 00-1685		<b>45 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-1649)</small>			
26 05 36 00-1686	EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray .....	379.23		118.13
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	37.19		
26 05 36 00-1687	EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray .....	473.68		152.92
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	45.56		
26 05 36 00-1688	EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray .....	548.78		173.72
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	53.37		
26 05 36 00-1689	EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray .....	625.57		208.41
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	59.10		
26 05 36 00-1690	EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray .....	727.70		247.85
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	67.85		
26 05 36 00-1691	EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray .....	850.80		289.26
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	79.41		
26 05 36 00-1692		<b>90 Degree, 12" Radius Vertical Risers</b> <small>(26 05 36 00-1649)</small>			
26 05 36 00-1693	EA	6" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray .....	311.87		108.16
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	28.75		
26 05 36 00-1694	EA	12" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray .....	364.46		136.55
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	31.90		
26 05 36 00-1695	EA	18" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray .....	408.99		152.92
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	35.86		
26 05 36 00-1696	EA	24" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray .....	462.14		179.57
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	39.38		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1697	EA	30"	Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	520.50 43.34	208.41
26 05 36 00-1698	EA	36"	Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	571.58 46.41	235.93
<b>26 05 36 00-1699</b>			<b>90 Degree, 24" Radius Vertical Risers</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1700	EA	6"	Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	375.29 37.47	112.93
26 05 36 00-1701	EA	12"	Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	443.64 42.44	144.68
26 05 36 00-1702	EA	18"	Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	489.11 46.27	162.56
26 05 36 00-1703	EA	24"	Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	558.23 51.63	192.58
26 05 36 00-1704	EA	30"	Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	627.37 56.48	225.75
26 05 36 00-1705	EA	36"	Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	710.54 63.23	260.09
<b>26 05 36 00-1706</b>			<b>90 Degree, 36" Radius Vertical Risers</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1707	EA	6"	Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	442.50 46.71	118.02
26 05 36 00-1708	EA	12"	Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	532.41 54.33	153.24
26 05 36 00-1709	EA	18"	Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	590.76 59.67	173.72
26 05 36 00-1710	EA	24"	Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	659.88 64.34	207.86
26 05 36 00-1711	EA	30"	Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	759.32 72.60	247.85
26 05 36 00-1712	EA	36"	Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	840.54 78.04	288.27
<b>26 05 36 00-1713</b>			<b>12" Radius Horizontal Tees</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1714	EA	6"	Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	518.33 43.06	208.18
26 05 36 00-1715	EA	12"	Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	601.01 50.83	235.93
26 05 36 00-1716	EA	18"	Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	667.25 56.74	260.09
26 05 36 00-1717	EA	24"	Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	743.55 63.32	289.26
26 05 36 00-1718	EA	30"	Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	878.98 74.08	346.58
26 05 36 00-1719	EA	36"	Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,068.81 88.07	433.49
<b>26 05 36 00-1720</b>			<b>24" Radius Horizontal Tees</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1721	EA	6"	Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	659.06 61.18	226.07
26 05 36 00-1722	EA	12"	Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	752.09 69.46	260.09
26 05 36 00-1723	EA	18"	Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	841.40 78.09	288.70
26 05 36 00-1724	EA	24"	Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,019.23 95.12	346.58
26 05 36 00-1725	EA	30"	Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,224.65 111.45	433.49
26 05 36 00-1726	EA	36"	Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,352.65 123.91	473.92
<b>26 05 36 00-1727</b>			<b>36" Radius Horizontal Tees</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1728	EA	6"	Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	871.87 69.48	247.85
26 05 36 00-1729	EA	12"	Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	983.39 99.38	288.70
26 05 36 00-1730	EA	18"	Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,121.93 114.10	325.12
26 05 36 00-1731	EA	24"	Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,340.99 134.58	399.36
26 05 36 00-1732	EA	30"	Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,612.95 155.10	521.06
26 05 36 00-1733	EA	36"	Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,795.32 172.88	578.50
<b>26 05 36 00-1734</b>			<b>12" Radius Vertical Tees</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1735	EA	6"	Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	591.06 53.97	208.18
26 05 36 00-1736	EA	12"	Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	643.14 57.09	236.25

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 36 00-1737	EA 18" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	672.11 59.58	247.42
26 05 36 00-1738	EA 24" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	709.85 63.20	259.66
26 05 36 00-1739	EA 30" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	782.53 69.26	288.70
26 05 36 00-1740	EA 36" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	896.29 76.67	346.58
<b>26 05 36 00-1741</b>	<b>24" Radius Vertical Tees (26 05 36 00-1649)</b>		
26 05 36 00-1742	EA 6" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	736.98 72.87	226.07
26 05 36 00-1743	EA 12" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	814.43 78.82	260.09
26 05 36 00-1744	EA 18" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	863.03 83.84	273.65
26 05 36 00-1745	EA 24" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	922.78 90.29	288.70
26 05 36 00-1746	EA 30" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,026.70 99.82	325.12
26 05 36 00-1747	EA 36" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,176.49 109.90	399.36
<b>26 05 36 00-1748</b>	<b>36" Radius Vertical Tees (26 05 36 00-1649)</b>		
26 05 36 00-1749	EA 6" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	975.13 105.03	247.42
26 05 36 00-1750	EA 12" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,064.05 112.07	285.25
26 05 36 00-1751	EA 18" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,132.63 118.97	305.62
26 05 36 00-1752	EA 24" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,182.54 123.19	325.12
26 05 36 00-1753	EA 30" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,311.18 134.82	371.18
26 05 36 00-1754	EA 36" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,863.80 50.81	472.51
<b>26 05 36 00-1755</b>	<b>12" Radius Horizontal Crosses (26 05 36 00-1649)</b>		
26 05 36 00-1756	EA 6" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	611.97 52.42	236.25
26 05 36 00-1757	EA 12" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	679.37 58.56	260.09
26 05 36 00-1758	EA 18" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	789.79 67.54	305.62
26 05 36 00-1759	EA 24" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	937.17 78.72	371.18
26 05 36 00-1760	EA 30" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,025.85 87.31	399.36
26 05 36 00-1761	EA 36" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,188.15 99.23	473.92
<b>26 05 36 00-1762</b>	<b>24" Radius Horizontal Crosses (26 05 36 00-1649)</b>		
26 05 36 00-1763	EA 6" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	815.13 78.85	260.53
26 05 36 00-1764	EA 12" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	922.78 90.29	288.70
26 05 36 00-1765	EA 18" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,057.33 100.83	346.58
26 05 36 00-1766	EA 24" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,304.49 123.23	434.68
26 05 36 00-1767	EA 30" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,430.57 135.60	473.92
26 05 36 00-1768	EA 36" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,630.82 148.21	578.50
<b>26 05 36 00-1769</b>	<b>36" Radius Horizontal Crosses (26 05 36 00-1649)</b>		
26 05 36 00-1770	EA 6" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,130.57 121.46	288.70
26 05 36 00-1771	EA 12" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,243.14 132.28	325.12
26 05 36 00-1772	EA 18" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,446.52 150.25	400.44
26 05 36 00-1773	EA 24" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,716.84 170.69	521.06
26 05 36 00-1774	EA 30" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,881.89 185.87	578.50
26 05 36 00-1775	EA 36" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	2,157.29 215.22	650.25
<b>26 05 36 00-1776</b>	<b>Straight Reducers (26 05 36 00-1649)</b>		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1777 EA 12"-6" Reducer, Solid Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	231.30 22.30	74.34
26 05 36 00-1778 EA 18"-12" Reducer, Solid Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	255.09 23.84	86.59
26 05 36 00-1779 EA 24"-18" Reducer, Solid Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	281.05 25.83	97.97
26 05 36 00-1780 EA 30"-24" Reducer, Solid Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	316.55 28.64	113.03
26 05 36 00-1781 EA 36"-30" Reducer, Solid Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	351.47 31.08	129.83
<b>26 05 36 00-1782 Reducers</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1783 EA 18"-6" Reducer, Solid Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	253.44 23.58	86.59
26 05 36 00-1784 EA 24"-12" Reducer, Solid Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	279.61 25.58	98.18
26 05 36 00-1785 EA 30"-12" Reducer, Solid Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	312.95 28.11	112.93
26 05 36 00-1786 EA 30"-18" Reducer, Solid Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	314.55 28.37	112.93
26 05 36 00-1787 EA 36"-12" Reducer, Solid Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	351.47 31.08	129.83
26 05 36 00-1788 EA 36"-18" Reducer, Solid Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	353.20 31.34	129.83
26 05 36 00-1789 EA 36"-24" Reducer, Solid Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	357.00 31.88	130.05
<b>26 05 36 00-1790 Dropout Or End Plate</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1791 EA 6" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	76.08	32.51
26 05 36 00-1792 EA 12" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	90.87	39.67
26 05 36 00-1793 EA 18" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	108.07	47.04
26 05 36 00-1794 EA 24" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	119.33	52.02
26 05 36 00-1795 EA 30" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	134.34	57.76
26 05 36 00-1796 EA 36" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	152.53	65.02
<b>26 05 36 00-1797 Vented Bottom Cable Tray</b> <small>(26 05 36 00-0001)</small> Note: 6" Height.		
<b>26 05 36 00-1798 Vented Bottom Galvanized Steel Cable Tray</b> <small>(26 05 36 00-1797)</small>		
26 05 36 00-1799 LF 6" Vented Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	32.79 -2.33	11.38
26 05 36 00-1800 LF 12" Vented Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	38.46 -2.76	13.00
26 05 36 00-1801 LF 18" Vented Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	45.19 -3.27	14.96
26 05 36 00-1802 LF 24" Vented Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	51.85 -3.76	17.12
26 05 36 00-1803 LF 30" Vented Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	67.90 -5.06	20.70
26 05 36 00-1804 LF 36" Vented Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	80.75 -5.90	26.01
<b>26 05 36 00-1805 Vented Bottom Galvanized Steel Cable Tray Fittings</b> <small>(26 05 36 00-1797)</small>		
<b>26 05 36 00-1806 90 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1807 EA 6" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	313.19 -19.91	136.99
26 05 36 00-1808 EA 12" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	409.75 -25.53	185.32
26 05 36 00-1809 EA 18" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	509.70 -31.28	236.25
26 05 36 00-1810 EA 24" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	624.98 -38.39	289.26
26 05 36 00-1811 EA 30" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	704.90 -43.34	325.78
26 05 36 00-1812 EA 36" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	807.34 -49.73	371.94
<b>26 05 36 00-1813 90 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1814 EA 6" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	366.04 -24.57	144.36
26 05 36 00-1815 EA 12" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	478.14 -31.13	200.16
26 05 36 00-1816 EA 18" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	608.14 -39.14	260.09
26 05 36 00-1817 EA 24" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	738.75 -46.78	325.12
26 05 36 00-1818 EA 30" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	786.82 -50.69	335.85
26 05 36 00-1819 EA 36" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	986.06 -62.48	433.49

## 26 Electrical

## 26 05 Common Work Results for Electrical

## 26 05 36 Cable Trays for Electrical Systems

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 36 00-1820		90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1805)</small>			
26 05 36 00-1821	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray .....	441.75		152.59
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-31.46		
26 05 36 00-1822	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray.....	576.07		217.08
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-39.52		
26 05 36 00-1823	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray.....	739.30		289.26
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-49.83		
26 05 36 00-1824	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray.....	890.07		371.18
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-58.08		
26 05 36 00-1825	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,027.34		433.49
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-66.61		
26 05 36 00-1826	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,205.38		519.32
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-77.26		
26 05 36 00-1827		45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1805)</small>			
26 05 36 00-1828	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray .....	294.70		137.09
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-18.05		
26 05 36 00-1829	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray.....	387.57		185.32
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-23.31		
26 05 36 00-1830	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray.....	483.63		235.93
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-28.70		
26 05 36 00-1831	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray.....	592.70		288.70
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-35.21		
26 05 36 00-1832	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray.....	669.27		325.78
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-39.78		
26 05 36 00-1833	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray.....	764.70		371.18
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-45.54		
26 05 36 00-1834		45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1805)</small>			
26 05 36 00-1835	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray .....	338.68		144.47
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-21.83		
26 05 36 00-1836	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray.....	446.36		200.16
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-27.95		
26 05 36 00-1837	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray.....	570.42		260.53
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-35.33		
26 05 36 00-1838	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray.....	695.43		325.12
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-42.45		
26 05 36 00-1839	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray.....	797.08		371.94
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-48.71		
26 05 36 00-1840	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray.....	928.08		433.49
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-56.68		
26 05 36 00-1841		45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1805)</small>			
26 05 36 00-1842	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray .....	401.01		152.92
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-27.36		
26 05 36 00-1843	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray.....	527.95		216.43
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-34.76		
26 05 36 00-1844	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray.....	682.71		289.26
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-44.17		
26 05 36 00-1845	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray.....	831.76		371.94
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-52.18		
26 05 36 00-1846	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray.....	960.28		433.49
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-59.90		
26 05 36 00-1847	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,133.41		521.06
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-69.92		
26 05 36 00-1848		90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-1805)</small>			
26 05 36 00-1849	EA	6" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray .....	337.22		136.55
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-22.34		
26 05 36 00-1850	EA	12" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray .....	431.18		185.32
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-27.67		
26 05 36 00-1851	EA	18" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray .....	517.64		236.25
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-32.07		
26 05 36 00-1852	EA	24" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray .....	623.40		289.26
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-38.24		
26 05 36 00-1853	EA	30" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray .....	687.43		325.78
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-41.60		
26 05 36 00-1854	EA	36" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray .....	770.99		371.18
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-46.17		
26 05 36 00-1855		90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-1805)</small>			
26 05 36 00-1856	EA	6" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray .....	397.79		144.36
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-27.75		
26 05 36 00-1857	EA	12" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray .....	500.37		200.16
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-33.35		
26 05 36 00-1858	EA	18" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray .....	617.66		260.09
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-40.09		
26 05 36 00-1859	EA	24" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray .....	732.40		325.12
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-46.15		
26 05 36 00-1860	EA	30" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray .....	832.91		371.18
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-52.36		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1861 EA 36" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	946.37 -58.51	433.49
<b>26 05 36 00-1862 90 Degree, 36" Radius Vertical Risers</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1863 EA 6" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	467.15 -34.00	152.59
26 05 36 00-1864 EA 12" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	587.19 -40.63	217.08
26 05 36 00-1865 EA 18" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	732.95 -49.19	289.26
26 05 36 00-1866 EA 24" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	886.89 -57.76	371.18
26 05 36 00-1867 EA 30" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	997.17 -63.59	433.49
26 05 36 00-1868 EA 36" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,170.45 -73.76	519.32
<b>26 05 36 00-1869 12" Radius Horizontal Tees</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1870 EA 6" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	562.09 -34.53	260.09
26 05 36 00-1871 EA 12" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	683.68 -41.33	324.47
26 05 36 00-1872 EA 18" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	781.94 -47.19	371.94
26 05 36 00-1873 EA 24" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	909.85 -54.86	433.49
26 05 36 00-1874 EA 30" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,001.95 -60.81	472.51
26 05 36 00-1875 EA 36" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,100.59 -66.78	519.32
<b>26 05 36 00-1876 24" Radius Horizontal Tees</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1877 EA 6" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	693.99 -45.34	288.70
26 05 36 00-1878 EA 12" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	850.38 -54.11	371.18
26 05 36 00-1879 EA 18" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	981.30 -62.01	433.49
26 05 36 00-1880 EA 24" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,202.21 -76.94	519.32
26 05 36 00-1881 EA 30" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,329.35 -84.73	578.50
26 05 36 00-1882 EA 36" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,487.02 -94.52	650.25
<b>26 05 36 00-1883 36" Radius Horizontal Tees</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1884 EA 6" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	846.71 -57.58	325.12
26 05 36 00-1885 EA 12" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,070.21 -70.90	433.49
26 05 36 00-1886 EA 18" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,247.85 -81.37	521.06
26 05 36 00-1887 EA 24" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,541.00 -99.91	650.25
26 05 36 00-1888 EA 30" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,727.07 -110.57	745.72
26 05 36 00-1889 EA 36" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	2,012.72 -129.22	864.72
<b>26 05 36 00-1890 12" Radius Vertical Tees</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1891 EA 6" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	647.83 -43.11	260.09
26 05 36 00-1892 EA 12" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	759.39 -48.85	325.12
26 05 36 00-1893 EA 18" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	799.97 -51.11	346.58
26 05 36 00-1894 EA 24" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	853.55 -54.43	371.18
26 05 36 00-1895 EA 30" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	916.60 -58.29	400.44
26 05 36 00-1896 EA 36" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,041.64 -64.78	472.51
<b>26 05 36 00-1897 24" Radius Vertical Tees</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1898 EA 6" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	768.62 -52.80	288.70
26 05 36 00-1899 EA 12" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	920.24 -61.10	371.18
26 05 36 00-1900 EA 18" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	983.29 -64.96	400.44

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 36 00-1901	EA 24" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,062.27 -70.10	433.49
26 05 36 00-1902	EA 30" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,144.85 -75.10	472.51
26 05 36 00-1903	EA 36" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,351.58 -86.95	578.50
<b>26 05 36 00-1904</b>	<b>36" Radius Vertical Tees (26 05 36 00-1805)</b>		
26 05 36 00-1905	EA 6" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	998.05 -72.77	324.47
26 05 36 00-1906	EA 12" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,190.88 -82.96	433.49
26 05 36 00-1907	EA 18" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,271.86 -87.81	472.51
26 05 36 00-1908	EA 24" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,384.40 -95.02	521.06
26 05 36 00-1909	EA 30" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,559.57 -107.75	578.50
26 05 36 00-1910	EA 36" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,840.48 -122.19	742.26
<b>26 05 36 00-1911</b>	<b>12" Radius Horizontal Crosses (26 05 36 00-1805)</b>		
26 05 36 00-1912	EA 6" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	706.99 -43.61	325.12
26 05 36 00-1913	EA 12" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	786.70 -47.67	371.94
26 05 36 00-1914	EA 18" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	908.26 -54.70	433.49
26 05 36 00-1915	EA 24" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,060.90 -62.81	519.32
26 05 36 00-1916	EA 30" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,179.87 -69.95	576.45
26 05 36 00-1917	EA 36" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,329.84 -78.80	650.25
<b>26 05 36 00-1918</b>	<b>24" Radius Horizontal Crosses (26 05 36 00-1805)</b>		
26 05 36 00-1919	EA 6" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	878.79 -56.88	371.94
26 05 36 00-1920	EA 12" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	994.00 -63.28	433.49
26 05 36 00-1921	EA 18" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,164.10 -73.13	519.32
26 05 36 00-1922	EA 24" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,463.20 -92.13	650.25
26 05 36 00-1923	EA 30" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,656.31 -103.77	742.26
26 05 36 00-1924	EA 36" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,885.70 -116.51	864.72
<b>26 05 36 00-1925</b>	<b>36" Radius Horizontal Crosses (26 05 36 00-1805)</b>		
26 05 36 00-1926	EA 6" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,159.12 -79.79	433.49
26 05 36 00-1927	EA 12" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,327.24 -89.30	521.06
26 05 36 00-1928	EA 18" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,552.12 -101.03	650.25
26 05 36 00-1929	EA 24" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	2,012.49 -128.81	869.27
26 05 36 00-1930	EA 30" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	2,355.97 -148.76	1,042.02
26 05 36 00-1931	EA 36" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	2,834.32 -175.06	1,300.49
<b>26 05 36 00-1932</b>	<b>Straight Reducers (26 05 36 00-1805)</b>		
26 05 36 00-1933	EA 12"-6" Reducer, Vented Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	264.74 -17.25	110.75
26 05 36 00-1934	EA 18"-12" Reducer, Vented Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	289.55 -18.65	123.77
26 05 36 00-1935	EA 24"-18" Reducer, Vented Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	329.31 -20.91	144.25
26 05 36 00-1936	EA 30"-24" Reducer, Vented Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	363.03 -22.76	162.56
26 05 36 00-1937	EA 36"-30" Reducer, Vented Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	396.83 -24.76	179.03
<b>26 05 36 00-1938</b>	<b>Reducers (26 05 36 00-1805)</b>		
26 05 36 00-1939	EA 18"-6" Reducer, Vented Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	289.55 -18.65	123.77
26 05 36 00-1940	EA 24"-12" Reducer, Vented Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	328.16 -20.77	144.47

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 05 36 00-1941	EA		30"-12" Reducer, Vented Bottom, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	361.17 -22.58	162.34
	26 05 36 00-1942	EA		30"-18" Reducer, Vented Bottom, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	362.49 -22.73	162.24
	26 05 36 00-1943	EA		36"-12" Reducer, Vented Bottom, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	395.24 -24.60	179.03
	26 05 36 00-1944	EA		36"-18" Reducer, Vented Bottom, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	396.83 -24.76	179.03
	26 05 36 00-1945	EA		36"-24" Reducer, Vented Bottom, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	399.08 -24.96	179.46
<b>26 05 36 00-1946</b>	<b>Dropout Or End Plate</b> <small>(26 05 36 00-1905)</small>					
	26 05 36 00-1947	EA		6" Dropout Or End Plate, Vented Bottom, Steel Cable Tray .....	85.78	39.99
	26 05 36 00-1948	EA		12" Dropout Or End Plate, Vented Bottom, Steel Cable Tray .....	101.56	46.93
	26 05 36 00-1949	EA		18" Dropout Or End Plate, Vented Bottom, Steel Cable Tray .....	111.98	51.80
	26 05 36 00-1950	EA		24" Dropout Or End Plate, Vented Bottom, Steel Cable Tray .....	125.80	57.76
	26 05 36 00-1951	EA		30" Dropout Or End Plate, Vented Bottom, Steel Cable Tray .....	139.85	64.92
	26 05 36 00-1952	EA		36" Dropout Or End Plate, Vented Bottom, Steel Cable Tray .....	164.32	77.59
<b>26 05 36 00-1953</b>	<b>Vented Bottom Aluminum Cable Tray</b> <small>(26 05 36 00-1797)</small>					
	26 05 36 00-1954	LF		6" Vented Bottom Aluminum Cable Tray, Straight Section .....	30.47	8.45
				<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-2.34	
	26 05 36 00-1955	LF		9" Vented Bottom Aluminum Cable Tray, Straight Section .....	33.77	9.32
				<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-2.60	
	26 05 36 00-1956	LF		12" Vented Bottom Aluminum Cable Tray, Straight Section .....	37.78	10.41
				<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-2.91	
	26 05 36 00-1957	LF		18" Vented Bottom Aluminum Cable Tray, Straight Section .....	43.91	11.60
				<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-3.42	
	26 05 36 00-1958	LF		24" Vented Bottom Aluminum Cable Tray, Straight Section .....	50.28	12.89
				<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-3.96	
	26 05 36 00-1959	LF		30" Vented Bottom Aluminum Cable Tray, Straight Section .....	63.52	14.85
				<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-5.12	
	26 05 36 00-1960	LF		36" Vented Bottom Aluminum Cable Tray, Straight Section .....	70.89	17.45
				<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-5.64	
<b>26 05 36 00-1961</b>	<b>Vented Bottom Aluminum Cable Tray Fittings</b> <small>(26 05 36 00-1797)</small>					
<b>26 05 36 00-1962</b>	<b>90 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-1961)</small>					
	26 05 36 00-1963	EA		6" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	394.93 -28.08	136.99
	26 05 36 00-1964	EA		9" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	429.06 -30.51	148.69
	26 05 36 00-1965	EA		12" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	472.29 -33.28	167.43
	26 05 36 00-1966	EA		18" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	533.94 -37.93	185.54
	26 05 36 00-1967	EA		24" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	638.24 -44.96	226.39
	26 05 36 00-1968	EA		30" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	755.48 -53.84	260.53
	26 05 36 00-1969	EA		36" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	832.37 -59.13	289.26
<b>26 05 36 00-1970</b>	<b>90 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-1961)</small>					
	26 05 36 00-1971	EA		6" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	482.18 -36.19	144.36
	26 05 36 00-1972	EA		12" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	581.69 -43.22	179.46
	26 05 36 00-1973	EA		18" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	659.78 -49.30	200.16
	26 05 36 00-1974	EA		24" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	784.40 -57.82	247.42
	26 05 36 00-1975	EA		30" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	905.54 -66.54	288.27
	26 05 36 00-1976	EA		36" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,000.85 -72.99	325.12
<b>26 05 36 00-1977</b>	<b>90 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-1961)</small>					
	26 05 36 00-1978	EA		6" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	595.01 -46.78	152.59
	26 05 36 00-1979	EA		12" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	710.32 -54.96	192.80
	26 05 36 00-1980	EA		18" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	803.80 -62.29	217.08
	26 05 36 00-1981	EA		24" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	939.26 -71.12	273.65
	26 05 36 00-1982	EA		30" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,009.67 -78.87	265.20
	26 05 36 00-1983	EA		36" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,234.57 -92.53	371.18

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1984			<b>45 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-1961)</small>		
26 05 36 00-1985	EA		6" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	358.45	137.09
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-24.42	
26 05 36 00-1986	EA		9" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	389.43	148.91
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-26.54	
26 05 36 00-1987	EA		12" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	429.77	167.43
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-29.03	
26 05 36 00-1988	EA		18" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	484.16	185.32
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-32.97	
26 05 36 00-1989	EA		24" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	580.32	226.07
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-39.19	
26 05 36 00-1990	EA		30" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	684.79	260.53
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-46.77	
26 05 36 00-1991	EA		36" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	754.46	288.70
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-51.38	
26 05 36 00-1992			<b>45 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-1961)</small>		
26 05 36 00-1993	EA		6" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	429.26	144.47
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-30.88	
26 05 36 00-1994	EA		12" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	519.51	179.46
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-37.00	
26 05 36 00-1995	EA		18" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	588.45	200.50
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-42.14	
26 05 36 00-1996	EA		24" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	703.18	247.85
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-49.67	
26 05 36 00-1997	EA		30" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	813.72	289.26
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-57.27	
26 05 36 00-1998	EA		36" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	899.88	325.12
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-62.89	
26 05 36 00-1999			<b>45 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-1961)</small>		
26 05 36 00-2000	EA		6" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	520.56	152.92
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-39.31	
26 05 36 00-2001	EA		12" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	623.99	192.37
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-46.37	
26 05 36 00-2002	EA		18" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	706.55	217.08
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-52.57	
26 05 36 00-2003	EA		24" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	833.74	274.19
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-60.53	
26 05 36 00-2004	EA		30" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	953.03	306.16
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-69.79	
26 05 36 00-2005	EA		36" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,100.47	371.94
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-79.05	
26 05 36 00-2006			<b>90 Degree, 12" Radius Vertical Risers</b> <small>(26 05 36 00-1961)</small>		
26 05 36 00-2007	EA		6" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	430.59	136.55
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-31.68	
26 05 36 00-2008	EA		9" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	462.20	148.37
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-33.86	
26 05 36 00-2009	EA		12" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	496.44	167.43
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-35.69	
26 05 36 00-2010	EA		18" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	533.94	185.54
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-37.93	
26 05 36 00-2011	EA		24" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	626.16	226.39
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-43.75	
26 05 36 00-2012	EA		30" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	695.09	260.53
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-47.80	
26 05 36 00-2013	EA		36" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	744.55	288.70
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-50.39	
26 05 36 00-2014			<b>90 Degree, 24" Radius Vertical Risers</b> <small>(26 05 36 00-1961)</small>		
26 05 36 00-2015	EA		6" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	513.58	144.36
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-39.33	
26 05 36 00-2016	EA		12" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	596.18	179.46
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-44.67	
26 05 36 00-2017	EA		18" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	657.36	200.16
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-49.05	
26 05 36 00-2018	EA		24" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	741.55	247.85
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-53.50	
26 05 36 00-2019	EA		30" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	826.69	288.70
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-58.61	
26 05 36 00-2020	EA		36" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	904.23	325.12
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-63.33	
26 05 36 00-2021			<b>90 Degree, 36" Radius Vertical Risers</b> <small>(26 05 36 00-1961)</small>		
26 05 36 00-2022	EA		6" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	592.60	152.59
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-46.54	
26 05 36 00-2023	EA		12" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	683.75	192.80
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-52.31	
26 05 36 00-2024	EA		18" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	767.57	217.08
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-58.67	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2025 EA 24" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	895.78 -66.77	273.65
26 05 36 00-2026 EA 30" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	993.37 -73.83	306.16
26 05 36 00-2027 EA 36" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,116.20 -80.69	371.18
<b>26 05 36 00-2028 12" Radius Horizontal Tees</b> <small>(26 05 36 00-1961)</small>		
26 05 36 00-2029 EA 6" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	687.14 -47.04	260.09
26 05 36 00-2030 EA 9" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	717.02 -48.90	273.65
26 05 36 00-2031 EA 12" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	763.02 -52.28	288.27
26 05 36 00-2032 EA 18" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	871.49 -60.00	325.78
26 05 36 00-2033 EA 24" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	995.42 -68.61	371.18
26 05 36 00-2034 EA 30" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,125.92 -76.47	433.49
26 05 36 00-2035 EA 36" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,246.59 -85.28	472.51
<b>26 05 36 00-2036 24" Radius Horizontal Tees</b> <small>(26 05 36 00-1961)</small>		
26 05 36 00-2037 EA 6" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	867.75 -62.71	288.70
26 05 36 00-2038 EA 12" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	980.45 -71.01	324.47
26 05 36 00-2039 EA 18" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,101.71 -79.24	371.18
26 05 36 00-2040 EA 24" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,324.49 -96.42	432.31
26 05 36 00-2041 EA 30" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,520.63 -108.64	521.06
26 05 36 00-2042 EA 36" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,725.13 -124.30	578.50
<b>26 05 36 00-2043 36" Radius Horizontal Tees</b> <small>(26 05 36 00-1961)</small>		
26 05 36 00-2044 EA 6" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,162.70 -69.18	325.12
26 05 36 00-2045 EA 12" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,331.20 -102.19	371.18
26 05 36 00-2046 EA 18" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,412.68 -111.10	362.08
26 05 36 00-2047 EA 24" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,807.73 -137.49	519.32
26 05 36 00-2048 EA 30" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	2,090.61 -154.66	652.84
26 05 36 00-2049 EA 36" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	2,396.69 -177.81	742.26
<b>26 05 36 00-2050 12" Radius Vertical Tees</b> <small>(26 05 36 00-1961)</small>		
26 05 36 00-2051 EA 6" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	781.35 -56.46	260.09
26 05 36 00-2052 EA 9" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	806.40 -57.83	273.65
26 05 36 00-2053 EA 12" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	858.09 -61.75	288.70
26 05 36 00-2054 EA 18" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	889.49 -63.44	306.16
26 05 36 00-2055 EA 24" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	929.72 -65.93	324.47
26 05 36 00-2056 EA 30" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	983.53 -69.47	346.58
26 05 36 00-2057 EA 36" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,088.44 -75.56	399.36
<b>26 05 36 00-2058 24" Radius Vertical Tees</b> <small>(26 05 36 00-1961)</small>		
26 05 36 00-2059 EA 6" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	974.04 -73.34	288.70
26 05 36 00-2060 EA 12" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,072.24 -80.18	324.47
26 05 36 00-2061 EA 18" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,145.38 -65.65	346.58
26 05 36 00-2062 EA 24" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,222.49 -91.32	371.18
26 05 36 00-2063 EA 30" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,317.93 -98.51	399.36
26 05 36 00-2064 EA 36" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,454.22 -105.93	473.92

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2065			<b>36" Radius Vertical Tees</b> (26 05 36 00-1961)		
26 05 36 00-2066	EA		6" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray ..... 1,301.74	324.47	
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-103.13	
26 05 36 00-2067	EA		12" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray ..... 1,427.83	371.18	
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-111.85	
26 05 36 00-2068	EA		18" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray ..... 1,499.11	399.36	
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-116.63	
26 05 36 00-2069	EA		24" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray ..... 1,618.24	434.68	
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-125.60	
26 05 36 00-2070	EA		30" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray ..... 1,756.18	473.92	
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-136.12	
26 05 36 00-2071	EA		36" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray ..... 1,975.36	576.45	
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-149.50	
26 05 36 00-2072			<b>12" Radius Horizontal Crosses</b> (26 05 36 00-1961)		
26 05 36 00-2073	EA		6" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray ..... 797.70	288.70	
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-55.71	
26 05 36 00-2074	EA		9" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray ..... 848.43	306.16	
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-59.33	
26 05 36 00-2075	EA		12" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray ..... 890.81	325.78	
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-61.93	
26 05 36 00-2076	EA		18" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray ..... 983.34	371.18	
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-67.41	
26 05 36 00-2077	EA		24" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray ..... 1,126.41	432.31	
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-76.61	
26 05 36 00-2078	EA		30" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray ..... 1,278.12	471.21	
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-88.55	
26 05 36 00-2079	EA		36" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray ..... 1,558.44	578.50	
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-107.64	
26 05 36 00-2080			<b>24" Radius Horizontal Crosses</b> (26 05 36 00-1961)		
26 05 36 00-2081	EA		6" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray ..... 1,110.64	325.78	
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-83.92	
26 05 36 00-2082	EA		12" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray ..... 1,239.40	371.18	
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-93.01	
26 05 36 00-2083	EA		18" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray ..... 1,389.72	432.31	
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-102.94	
26 05 36 00-2084	EA		24" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray ..... 1,638.63	519.32	
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-120.58	
26 05 36 00-2085	EA		30" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray ..... 1,794.19	576.45	
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-131.38	
26 05 36 00-2086	EA		36" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray ..... 2,179.27	742.26	
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-156.07	
26 05 36 00-2087			<b>36" Radius Horizontal Crosses</b> (26 05 36 00-1961)		
26 05 36 00-2088	EA		6" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray ..... 1,548.61	371.18	
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-123.93	
26 05 36 00-2089	EA		12" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray ..... 1,714.87	434.68	
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-135.27	
26 05 36 00-2090	EA		18" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray ..... 1,940.60	519.32	
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-150.78	
26 05 36 00-2091	EA		24" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray ..... 2,332.18	652.84	
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-178.81	
26 05 36 00-2092	EA		30" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray ..... 2,595.61	745.72	
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-197.42	
26 05 36 00-2093	EA		36" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray ..... 3,011.34	864.72	
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-229.08	
26 05 36 00-2094			<b>Straight Reducers</b> (26 05 36 00-1961)		
26 05 36 00-2095	EA		9"-6" Reducer, Vented Bottom, Aluminum Cable Tray ..... 299.18	86.69	
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-22.69	
26 05 36 00-2096	EA		12"-9" Reducer, Vented Bottom, Aluminum Cable Tray ..... 314.06	91.36	
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-23.80	
26 05 36 00-2097	EA		18"-12" Reducer, Vented Bottom, Aluminum Cable Tray ..... 354.44	108.27	
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-26.42	
26 05 36 00-2098	EA		24"-18" Reducer, Vented Bottom, Aluminum Cable Tray ..... 392.05	123.66	
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-28.90	
26 05 36 00-2099	EA		30"-24" Reducer, Vented Bottom, Aluminum Cable Tray ..... 431.68	144.47	
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-31.13	
26 05 36 00-2100	EA		36"-30" Reducer, Vented Bottom, Aluminum Cable Tray ..... 468.49	162.24	
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-33.33	
26 05 36 00-2101			<b>Reducers</b> (26 05 36 00-1961)		
26 05 36 00-2102	EA		12"-6" Reducer, Vented Bottom, Aluminum Cable Tray ..... 313.81	91.15	
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-23.78	
26 05 36 00-2103	EA		18"-6" Reducer, Vented Bottom, Aluminum Cable Tray ..... 354.32	108.27	
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-26.41	
26 05 36 00-2104	EA		18"-9" Reducer, Vented Bottom, Aluminum Cable Tray ..... 354.32	108.27	
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-26.41	
26 05 36 00-2105	EA		24"-6" Reducer, Vented Bottom, Aluminum Cable Tray ..... 392.20	123.77	
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-28.91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2106	EA		24"-9" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	392.20 -28.91	123.77
26 05 36 00-2107	EA		24"-12" Reducer, Vented Bottom, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	392.52 -28.93	123.88
26 05 36 00-2108	EA		30"-12" Reducer, Vented Bottom, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	436.28 -31.60	144.36
26 05 36 00-2109	EA		30"-18" Reducer, Vented Bottom, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	431.24 -31.10	144.25
26 05 36 00-2110	EA		36"-12" Reducer, Vented Bottom, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	468.49 -33.33	162.24
26 05 36 00-2111	EA		36"-18" Reducer, Vented Bottom, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	468.49 -33.33	162.24
26 05 36 00-2112	EA		36"-24" Reducer, Vented Bottom, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	469.03 -33.36	162.56
<b>26 05 36 00-2113</b>			<b>Dropout Or End Plate</b> <small>(26 05 36 00-1961)</small>		
26 05 36 00-2114	EA		6" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray .....	98.30	39.99
26 05 36 00-2115	EA		9" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray .....	107.26	43.68
26 05 36 00-2116	EA		12" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray .....	115.58	46.93
26 05 36 00-2117	EA		18" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray .....	131.39	51.80
26 05 36 00-2118	EA		24" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray .....	150.70	57.76
26 05 36 00-2119	EA		30" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray .....	166.23	64.92
26 05 36 00-2120	EA		36" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray .....	190.32	74.34
<b>26 05 36 00-2121</b>			<b>Covers And Dividers</b> <small>(26 05 36 00-0001)</small>		
<b>26 05 36 00-2122</b>			<b>Galvanized Steel Covers</b> <small>(26 05 36 00-2121)</small>		
<b>26 05 36 00-2123</b>			<b>Ventilated Straight Sections</b> <small>(26 05 36 00-2122)</small>		
26 05 36 00-2124	LF		6" Steel Cable Tray Cover, Straight Section.....	8.31	1.95
26 05 36 00-2125	LF		9" Steel Cable Tray Cover, Straight Section.....	9.98	2.28
26 05 36 00-2126	LF		12" Steel Cable Tray Cover, Straight Section.....	11.71	2.60
26 05 36 00-2127	LF		18" Steel Cable Tray Cover, Straight Section.....	15.85	3.47
26 05 36 00-2128	LF		24" Steel Cable Tray Cover, Straight Section.....	20.20	4.66
26 05 36 00-2129	LF		30" Steel Cable Tray Cover, Straight Section.....	24.53	5.74
26 05 36 00-2130	LF		36" Steel Cable Tray Cover, Straight Section.....	125.66	65.13
<b>26 05 36 00-2131</b>			<b>90 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-2122)</small>		
26 05 36 00-2132	EA		6" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover .....	48.91	6.94
26 05 36 00-2133	EA		9" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover .....	54.82	8.13
26 05 36 00-2134	EA		12" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover .....	59.66	9.64
26 05 36 00-2135	EA		18" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover .....	80.91	12.35
26 05 36 00-2136	EA		24" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover .....	99.28	15.72
26 05 36 00-2137	EA		30" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover .....	119.49	17.45
26 05 36 00-2138	EA		36" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover .....	144.28	20.81
<b>26 05 36 00-2139</b>			<b>90 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-2122)</small>		
26 05 36 00-2140	EA		6" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover .....	74.70	7.70
26 05 36 00-2141	EA		9" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover .....	78.47	8.99
26 05 36 00-2142	EA		12" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover .....	88.75	10.84
26 05 36 00-2143	EA		18" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover .....	110.19	13.76
26 05 36 00-2144	EA		24" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover .....	135.32	17.34
26 05 36 00-2145	EA		30" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover .....	173.04	19.94
26 05 36 00-2146	EA		36" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover .....	201.40	23.63
<b>26 05 36 00-2147</b>			<b>90 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-2122)</small>		
26 05 36 00-2148	EA		6" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover .....	104.88	8.67
26 05 36 00-2149	EA		9" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover .....	116.72	9.97
26 05 36 00-2150	EA		12" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover .....	127.00	12.35
26 05 36 00-2151	EA		18" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover .....	160.62	14.42
26 05 36 00-2152	EA		24" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover .....	195.29	20.05
26 05 36 00-2153	EA		30" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover .....	229.82	22.65
26 05 36 00-2154	EA		36" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover .....	268.74	26.01
<b>26 05 36 00-2155</b>			<b>45 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-2122)</small>		
26 05 36 00-2156	EA		6" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover .....	38.12	6.94
			<i>For 60 Degree Bend, Deduct</i>	-9.91	
			<i>For 30 Degree Bend, Deduct</i>	-16.90	
26 05 36 00-2157	EA		9" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover .....	45.29	8.13
			<i>For 60 Degree Bend, Deduct</i>	-11.83	
			<i>For 30 Degree Bend, Deduct</i>	-20.17	
26 05 36 00-2158	EA		12" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover .....	50.93	9.64
			<i>For 60 Degree Bend, Deduct</i>	-13.13	
			<i>For 30 Degree Bend, Deduct</i>	-22.41	
26 05 36 00-2159	EA		18" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover .....	61.75	11.81
			<i>For 60 Degree Bend, Deduct</i>	-15.85	
			<i>For 30 Degree Bend, Deduct</i>	-27.07	
26 05 36 00-2160	EA		24" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover .....	72.07	13.65
			<i>For 60 Degree Bend, Deduct</i>	-18.53	
			<i>For 30 Degree Bend, Deduct</i>	-31.64	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 05 36 00-2161	EA	30" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	84.22		15.72
		<i>For 60 Degree Bend, Deduct</i>	-21.75		
		<i>For 30 Degree Bend, Deduct</i>	-37.13		
26 05 36 00-2162	EA	36" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	94.00		17.34
		<i>For 60 Degree Bend, Deduct</i>	-24.37		
		<i>For 30 Degree Bend, Deduct</i>	-41.59		
<b>26 05 36 00-2163</b>		<b>45 Degree, 24" Radius Horizontal Elbows (26 05 36 00-2122)</b>			
26 05 36 00-2164	EA	6" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	51.69		7.70
		<i>For 60 Degree Bend, Deduct</i>	-14.12		
		<i>For 30 Degree Bend, Deduct</i>	-23.95		
26 05 36 00-2165	EA	9" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	58.62		8.99
		<i>For 60 Degree Bend, Deduct</i>	-15.90		
		<i>For 30 Degree Bend, Deduct</i>	-27.01		
26 05 36 00-2166	EA	12" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	67.32		10.84
		<i>For 60 Degree Bend, Deduct</i>	-18.05		
		<i>For 30 Degree Bend, Deduct</i>	-30.69		
26 05 36 00-2167	EA	18" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	78.07		13.00
		<i>For 60 Degree Bend, Deduct</i>	-20.77		
		<i>For 30 Degree Bend, Deduct</i>	-35.34		
26 05 36 00-2168	EA	24" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	89.92		14.85
		<i>For 60 Degree Bend, Deduct</i>	-23.97		
		<i>For 30 Degree Bend, Deduct</i>	-40.77		
26 05 36 00-2169	EA	30" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	111.53		17.34
		<i>For 60 Degree Bend, Deduct</i>	-30.14		
		<i>For 30 Degree Bend, Deduct</i>	-51.20		
26 05 36 00-2170	EA	36" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	123.88		20.05
		<i>For 60 Degree Bend, Deduct</i>	-33.20		
		<i>For 30 Degree Bend, Deduct</i>	-56.45		
<b>26 05 36 00-2171</b>		<b>45 Degree, 36" Radius Horizontal Elbows (26 05 36 00-2122)</b>			
26 05 36 00-2172	EA	6" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	70.77		8.67
		<i>For 60 Degree Bend, Deduct</i>	-20.04		
		<i>For 30 Degree Bend, Deduct</i>	-33.88		
26 05 36 00-2173	EA	9" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	80.20		9.97
		<i>For 60 Degree Bend, Deduct</i>	-22.63		
		<i>For 30 Degree Bend, Deduct</i>	-38.27		
26 05 36 00-2174	EA	12" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	90.43		12.35
		<i>For 60 Degree Bend, Deduct</i>	-25.11		
		<i>For 30 Degree Bend, Deduct</i>	-42.54		
26 05 36 00-2175	EA	18" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	103.07		13.76
		<i>For 60 Degree Bend, Deduct</i>	-28.75		
		<i>For 30 Degree Bend, Deduct</i>	-48.68		
26 05 36 00-2176	EA	24" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	125.64		16.80
		<i>For 60 Degree Bend, Deduct</i>	-35.02		
		<i>For 30 Degree Bend, Deduct</i>	-59.30		
26 05 36 00-2177	EA	30" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	139.76		20.05
		<i>For 60 Degree Bend, Deduct</i>	-38.44		
		<i>For 30 Degree Bend, Deduct</i>	-65.19		
26 05 36 00-2178	EA	36" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	164.75		21.67
		<i>For 60 Degree Bend, Deduct</i>	-46.05		
		<i>For 30 Degree Bend, Deduct</i>	-77.96		
<b>26 05 36 00-2179</b>		<b>90 Degree, 12" Radius Vertical Risers (26 05 36 00-2122)</b>			
26 05 36 00-2180	EA	6" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover .....	42.69		6.94
26 05 36 00-2181	EA	9" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover .....	45.29		8.13
26 05 36 00-2182	EA	12" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover .....	50.14		9.64
26 05 36 00-2183	EA	18" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover .....	58.61		11.81
26 05 36 00-2184	EA	24" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover .....	65.18		15.28
26 05 36 00-2185	EA	30" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover .....	72.65		17.45
26 05 36 00-2186	EA	36" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover .....	91.01		20.81
<b>26 05 36 00-2187</b>		<b>90 Degree, 24" Radius Vertical Risers (26 05 36 00-2122)</b>			
26 05 36 00-2188	EA	6" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover .....	50.89		7.70
26 05 36 00-2189	EA	9" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover .....	57.03		8.99
26 05 36 00-2190	EA	12" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover .....	61.76		10.84
26 05 36 00-2191	EA	18" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover .....	79.62		13.00
26 05 36 00-2192	EA	24" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover .....	93.06		16.80
26 05 36 00-2193	EA	30" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover .....	107.17		20.05
26 05 36 00-2194	EA	36" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover .....	123.60		23.63
<b>26 05 36 00-2195</b>		<b>90 Degree, 36" Radius Vertical Risers (26 05 36 00-2122)</b>			
26 05 36 00-2196	EA	6" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover .....	58.84		8.67
26 05 36 00-2197	EA	9" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover .....	73.05		9.97
26 05 36 00-2198	EA	12" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover .....	84.13		12.35
26 05 36 00-2199	EA	18" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover .....	103.07		13.76
26 05 36 00-2200	EA	24" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover .....	120.95		19.18
26 05 36 00-2201	EA	30" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover .....	144.09		22.65
26 05 36 00-2202	EA	36" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover .....	168.71		26.01
<b>26 05 36 00-2203</b>		<b>12" Radius Horizontal Tees (26 05 36 00-2122)</b>			



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2204 EA 6" Horizontal Tee, 12" Radius, Steel Cable Tray Cover.....	75.22	11.27
26 05 36 00-2205 EA 9" Horizontal Tee, 12" Radius, Steel Cable Tray Cover.....	79.62	13.00
26 05 36 00-2206 EA 12" Horizontal Tee, 12" Radius, Steel Cable Tray Cover.....	90.51	15.28
26 05 36 00-2207 EA 18" Horizontal Tee, 12" Radius, Steel Cable Tray Cover.....	108.36	17.34
26 05 36 00-2208 EA 24" Horizontal Tee, 12" Radius, Steel Cable Tray Cover.....	133.41	20.05
26 05 36 00-2209 EA 30" Horizontal Tee, 12" Radius, Steel Cable Tray Cover.....	165.57	28.83
26 05 36 00-2210 EA 36" Horizontal Tee, 12" Radius, Steel Cable Tray Cover.....	198.98	34.58
<b>26 05 36 00-2211 24" Radius Horizontal Tees (26 05 36 00-2122)</b>		
26 05 36 00-2212 EA 6" Horizontal Tee, 24" Radius, Steel Cable Tray Cover.....	108.62	11.81
26 05 36 00-2213 EA 9" Horizontal Tee, 24" Radius, Steel Cable Tray Cover.....	124.49	13.76
26 05 36 00-2214 EA 12" Horizontal Tee, 24" Radius, Steel Cable Tray Cover.....	131.86	16.26
26 05 36 00-2215 EA 18" Horizontal Tee, 24" Radius, Steel Cable Tray Cover.....	165.96	18.64
26 05 36 00-2216 EA 24" Horizontal Tee, 24" Radius, Steel Cable Tray Cover.....	242.43	21.67
26 05 36 00-2217 EA 30" Horizontal Tee, 24" Radius, Steel Cable Tray Cover.....	289.21	32.51
26 05 36 00-2218 EA 36" Horizontal Tee, 24" Radius, Steel Cable Tray Cover.....	325.45	39.99
<b>26 05 36 00-2219 36" Radius Horizontal Tees (26 05 36 00-2122)</b>		
26 05 36 00-2220 EA 6" Horizontal Tee, 36" Radius, Steel Cable Tray Cover.....	180.95	12.35
26 05 36 00-2221 EA 9" Horizontal Tee, 36" Radius, Steel Cable Tray Cover.....	187.59	14.42
26 05 36 00-2222 EA 12" Horizontal Tee, 36" Radius, Steel Cable Tray Cover.....	209.93	17.34
26 05 36 00-2223 EA 18" Horizontal Tee, 36" Radius, Steel Cable Tray Cover.....	246.18	20.05
26 05 36 00-2224 EA 24" Horizontal Tee, 36" Radius, Steel Cable Tray Cover.....	318.89	23.63
26 05 36 00-2225 EA 30" Horizontal Tee, 36" Radius, Steel Cable Tray Cover.....	365.33	37.28
26 05 36 00-2226 EA 36" Horizontal Tee, 36" Radius, Steel Cable Tray Cover.....	423.10	47.15
<b>26 05 36 00-2227 12" Radius Horizontal Crosses (26 05 36 00-2122)</b>		
26 05 36 00-2228 EA 6" Horizontal Cross, 12" Radius, Steel Cable Tray Cover.....	109.62	15.28
26 05 36 00-2229 EA 9" Horizontal Cross, 12" Radius, Steel Cable Tray Cover.....	116.01	16.26
26 05 36 00-2230 EA 12" Horizontal Cross, 12" Radius, Steel Cable Tray Cover.....	128.20	17.34
26 05 36 00-2231 EA 18" Horizontal Cross, 12" Radius, Steel Cable Tray Cover.....	150.87	20.05
26 05 36 00-2232 EA 24" Horizontal Cross, 12" Radius, Steel Cable Tray Cover.....	190.93	28.83
26 05 36 00-2233 EA 30" Horizontal Cross, 12" Radius, Steel Cable Tray Cover.....	221.14	34.58
26 05 36 00-2234 EA 36" Horizontal Cross, 12" Radius, Steel Cable Tray Cover.....	252.41	37.17
<b>26 05 36 00-2235 24" Radius Horizontal Crosses (26 05 36 00-2122)</b>		
26 05 36 00-2236 EA 6" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	187.49	16.26
26 05 36 00-2237 EA 9" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	203.59	17.34
26 05 36 00-2238 EA 12" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	218.35	18.64
26 05 36 00-2239 EA 18" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	259.90	21.67
26 05 36 00-2240 EA 24" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	327.27	32.51
26 05 36 00-2241 EA 30" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	374.58	39.99
26 05 36 00-2242 EA 36" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	418.22	43.24
<b>26 05 36 00-2243 36" Radius Horizontal Crosses (26 05 36 00-2122)</b>		
26 05 36 00-2244 EA 6" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	297.25	17.34
26 05 36 00-2245 EA 9" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	308.85	18.64
26 05 36 00-2246 EA 12" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	325.57	20.05
26 05 36 00-2247 EA 18" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	376.05	23.63
26 05 36 00-2248 EA 24" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	490.72	37.17
26 05 36 00-2249 EA 30" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	539.37	47.36
26 05 36 00-2250 EA 36" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	578.88	52.02
<b>26 05 36 00-2251 Reducers (26 05 36 00-2122)</b>		
26 05 36 00-2252 EA 9"-6" Reducer, Steel Cable Tray Covers.....	49.27	8.13
26 05 36 00-2253 EA 12"-6" Reducer, Steel Cable Tray Covers.....	53.35	9.64
26 05 36 00-2254 EA 12"-9" Reducer, Steel Cable Tray Covers.....	53.35	9.64
26 05 36 00-2255 EA 18"-6" Reducer, Steel Cable Tray Covers.....	59.40	11.81
26 05 36 00-2256 EA 18"-12" Reducer, Steel Cable Tray Covers.....	59.40	11.81
26 05 36 00-2257 EA 24"-12" Reducer, Steel Cable Tray Covers.....	72.48	13.00
26 05 36 00-2258 EA 24"-18" Reducer, Steel Cable Tray Covers.....	77.24	13.00
26 05 36 00-2259 EA 30"-12" Reducer, Steel Cable Tray Covers.....	75.60	14.85
26 05 36 00-2260 EA 30"-18" Reducer, Steel Cable Tray Covers.....	80.36	14.85
26 05 36 00-2261 EA 30"-24" Reducer, Steel Cable Tray Covers.....	83.54	14.85
26 05 36 00-2262 EA 36"-12" Reducer, Steel Cable Tray Covers.....	87.37	16.26
26 05 36 00-2263 EA 36"-18" Reducer, Steel Cable Tray Covers.....	88.96	16.26
26 05 36 00-2264 EA 36"-24" Reducer, Steel Cable Tray Covers.....	90.55	16.26
26 05 36 00-2265 EA 36"-30" Reducer, Steel Cable Tray Covers.....	91.34	16.26
<b>26 05 36 00-2266 Aluminum Covers (26 05 36 00-2121)</b>		
<b>26 05 36 00-2267 Ventilated Straight Sections (26 05 36 00-2266)</b>		
26 05 36 00-2268 LF 6" Aluminum Cable Tray Cover, Straight Section .....	11.27	1.95
26 05 36 00-2269 LF 9" Aluminum Cable Tray Cover, Straight Section .....	13.45	2.28
26 05 36 00-2270 LF 12" Aluminum Cable Tray Cover, Straight Section .....	15.82	2.60
26 05 36 00-2271 LF 18" Aluminum Cable Tray Cover, Straight Section .....	21.04	3.47
26 05 36 00-2272 LF 24" Aluminum Cable Tray Cover, Straight Section .....	27.01	4.66

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 05 36 00-2273	LF	30" Aluminum Cable Tray Cover, Straight Section .....	30.63	5.74
26 05 36 00-2274	LF	36" Aluminum Cable Tray Cover, Straight Section .....	130.91	65.13
<b>26 05 36 00-2275</b>		<b>90 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-2266)</small>		
26 05 36 00-2276	EA	6" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	63.64	6.94
26 05 36 00-2277	EA	9" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	67.84	8.13
26 05 36 00-2278	EA	12" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	74.83	9.64
26 05 36 00-2279	EA	18" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	97.51	12.35
26 05 36 00-2280	EA	24" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	123.54	15.72
26 05 36 00-2281	EA	30" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	145.51	17.45
26 05 36 00-2282	EA	36" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	177.27	20.81
<b>26 05 36 00-2283</b>		<b>90 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-2266)</small>		
26 05 36 00-2284	EA	6" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	84.05	7.70
26 05 36 00-2285	EA	9" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	103.20	8.99
26 05 36 00-2286	EA	12" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	115.39	10.84
26 05 36 00-2287	EA	18" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	138.26	13.76
26 05 36 00-2288	EA	24" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	171.48	17.34
26 05 36 00-2289	EA	30" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	207.54	19.94
26 05 36 00-2290	EA	36" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	254.40	23.63
<b>26 05 36 00-2291</b>		<b>90 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-2266)</small>		
26 05 36 00-2292	EA	6" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	136.56	8.67
26 05 36 00-2293	EA	9" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	150.18	9.97
26 05 36 00-2294	EA	12" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	172.22	12.35
26 05 36 00-2295	EA	18" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	205.09	14.42
26 05 36 00-2296	EA	24" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	252.81	20.05
26 05 36 00-2297	EA	30" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	291.12	22.65
26 05 36 00-2298	EA	36" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	339.68	26.01
<b>26 05 36 00-2299</b>		<b>45 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-2266)</small>		
26 05 36 00-2300	EA	6" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	50.07	6.94
		<i>For 60 Degree Bend, Deduct</i>	-13.85	
		<i>For 30 Degree Bend, Deduct</i>	-23.48	
26 05 36 00-2301	EA	9" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	53.14	8.13
		<i>For 60 Degree Bend, Deduct</i>	-14.42	
		<i>For 30 Degree Bend, Deduct</i>	-24.49	
26 05 36 00-2302	EA	12" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	60.35	9.64
		<i>For 60 Degree Bend, Deduct</i>	-16.24	
		<i>For 30 Degree Bend, Deduct</i>	-27.59	
26 05 36 00-2303	EA	18" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	70.59	11.81
		<i>For 60 Degree Bend, Deduct</i>	-18.77	
		<i>For 30 Degree Bend, Deduct</i>	-31.94	
26 05 36 00-2304	EA	24" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	79.42	13.65
		<i>For 60 Degree Bend, Deduct</i>	-20.95	
		<i>For 30 Degree Bend, Deduct</i>	-35.68	
26 05 36 00-2305	EA	30" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	97.54	15.72
		<i>For 60 Degree Bend, Deduct</i>	-26.15	
		<i>For 30 Degree Bend, Deduct</i>	-44.45	
26 05 36 00-2306	EA	36" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	114.88	17.34
		<i>For 60 Degree Bend, Deduct</i>	-31.26	
		<i>For 30 Degree Bend, Deduct</i>	-53.07	
<b>26 05 36 00-2307</b>		<b>45 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-2266)</small>		
26 05 36 00-2308	EA	6" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	57.48	7.70
		<i>For 60 Degree Bend, Deduct</i>	-16.03	
		<i>For 30 Degree Bend, Deduct</i>	-27.14	
26 05 36 00-2309	EA	9" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	71.53	8.99
		<i>For 60 Degree Bend, Deduct</i>	-20.16	
		<i>For 30 Degree Bend, Deduct</i>	-34.11	
26 05 36 00-2310	EA	12" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	76.93	10.84
		<i>For 60 Degree Bend, Deduct</i>	-21.22	
		<i>For 30 Degree Bend, Deduct</i>	-35.98	
26 05 36 00-2311	EA	18" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	92.98	13.00
		<i>For 60 Degree Bend, Deduct</i>	-25.69	
		<i>For 30 Degree Bend, Deduct</i>	-43.54	
26 05 36 00-2312	EA	24" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	113.06	14.85
		<i>For 60 Degree Bend, Deduct</i>	-31.60	
		<i>For 30 Degree Bend, Deduct</i>	-53.50	
26 05 36 00-2313	EA	30" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	130.79	17.34
		<i>For 60 Degree Bend, Deduct</i>	-36.50	
		<i>For 30 Degree Bend, Deduct</i>	-61.80	
26 05 36 00-2314	EA	36" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	151.04	20.05
		<i>For 60 Degree Bend, Deduct</i>	-42.17	
		<i>For 30 Degree Bend, Deduct</i>	-71.39	
<b>26 05 36 00-2315</b>		<b>45 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-2266)</small>		
26 05 36 00-2316	EA	6" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	91.34	8.67
		<i>For 60 Degree Bend, Deduct</i>	-26.83	
		<i>For 30 Degree Bend, Deduct</i>	-45.19	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2317 EA 9" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	100.41 -29.30 -49.38	9.97
26 05 36 00-2318 EA 12" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	108.81 -31.18 -52.65	12.35
26 05 36 00-2319 EA 18" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	129.23 -37.38 -63.07	13.76
26 05 36 00-2320 EA 24" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	156.97 -45.36 -76.53	16.80
26 05 36 00-2321 EA 30" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	180.45 -51.87 -87.56	20.05
26 05 36 00-2322 EA 36" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	203.58 -58.87 -99.32	21.67
<b>26 05 36 00-2323 90 Degree, 12" Radius Vertical Risers</b> <small>(26 05 36 00-2266)</small>		
26 05 36 00-2324 EA 6" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover .....	55.92	6.94
26 05 36 00-2325 EA 9" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover .....	58.23	8.13
26 05 36 00-2326 EA 12" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover .....	64.65	9.64
26 05 36 00-2327 EA 18" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover .....	76.28	11.81
26 05 36 00-2328 EA 24" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover .....	84.32	15.28
26 05 36 00-2329 EA 30" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover .....	88.95	17.45
26 05 36 00-2330 EA 36" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover .....	107.05	20.81
<b>26 05 36 00-2331 90 Degree, 24" Radius Vertical Risers</b> <small>(26 05 36 00-2266)</small>		
26 05 36 00-2332 EA 6" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover .....	63.69	7.70
26 05 36 00-2333 EA 9" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover .....	70.39	8.99
26 05 36 00-2334 EA 12" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover .....	78.06	10.84
26 05 36 00-2335 EA 18" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover .....	94.07	13.00
26 05 36 00-2336 EA 24" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover .....	107.15	16.80
26 05 36 00-2337 EA 30" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover .....	135.16	20.05
26 05 36 00-2338 EA 36" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover .....	150.32	23.63
<b>26 05 36 00-2339 90 Degree, 36" Radius Vertical Risers</b> <small>(26 05 36 00-2266)</small>		
26 05 36 00-2340 EA 6" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover .....	73.21	8.67
26 05 36 00-2341 EA 9" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover .....	89.09	9.97
26 05 36 00-2342 EA 12" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover .....	104.34	12.35
26 05 36 00-2343 EA 18" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover .....	124.71	13.76
26 05 36 00-2344 EA 24" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover .....	151.96	19.18
26 05 36 00-2345 EA 30" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover .....	189.31	22.65
26 05 36 00-2346 EA 36" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover .....	206.19	26.01
<b>26 05 36 00-2347 12" Radius Horizontal Tees</b> <small>(26 05 36 00-2266)</small>		
26 05 36 00-2348 EA 6" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover.....	91.26	11.27
26 05 36 00-2349 EA 9" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover.....	98.60	13.00
26 05 36 00-2350 EA 12" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover.....	111.39	15.28
26 05 36 00-2351 EA 18" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover.....	130.79	17.34
26 05 36 00-2352 EA 24" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover.....	162.35	20.05
26 05 36 00-2353 EA 30" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover.....	199.68	28.83
26 05 36 00-2354 EA 36" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover.....	240.94	34.58
<b>26 05 36 00-2355 24" Radius Horizontal Tees</b> <small>(26 05 36 00-2266)</small>		
26 05 36 00-2356 EA 6" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover.....	137.37	11.81
26 05 36 00-2357 EA 9" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover.....	154.11	13.76
26 05 36 00-2358 EA 12" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover.....	174.14	16.26
26 05 36 00-2359 EA 18" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover.....	202.96	18.64
26 05 36 00-2360 EA 24" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover.....	309.81	21.67
26 05 36 00-2361 EA 30" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover.....	357.42	32.51
26 05 36 00-2362 EA 36" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover.....	403.78	39.99
<b>26 05 36 00-2363 36" Radius Horizontal Tees</b> <small>(26 05 36 00-2266)</small>		
26 05 36 00-2364 EA 6" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover.....	235.54	12.35
26 05 36 00-2365 EA 9" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover.....	243.53	14.42
26 05 36 00-2366 EA 12" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover.....	271.03	17.34
26 05 36 00-2367 EA 18" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover.....	307.21	20.05
26 05 36 00-2368 EA 24" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover.....	387.89	23.63
26 05 36 00-2369 EA 30" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover.....	453.51	37.28
26 05 36 00-2370 EA 36" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover.....	519.78	47.15
<b>26 05 36 00-2371 12" Radius Horizontal Crosses</b> <small>(26 05 36 00-2266)</small>		
26 05 36 00-2372 EA 6" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover.....	136.34	15.28
26 05 36 00-2373 EA 9" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover.....	144.76	16.26
26 05 36 00-2374 EA 12" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover.....	160.20	17.34
26 05 36 00-2375 EA 18" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover.....	191.76	20.05

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 05 36 00-2376	EA	24" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover.....	231.31		28.83
26 05 36 00-2377	EA	30" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover.....	274.82		37.17
26 05 36 00-2378	EA	36" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover.....	313.03		
<b>26 05 36 00-2379</b>		<b>24" Radius Horizontal Crosses</b> <small>(26 05 36 00-2266)</small>			
26 05 36 00-2380	EA	6" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover.....	244.34		16.26
26 05 36 00-2381	EA	9" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover.....	261.99		17.34
26 05 36 00-2382	EA	12" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover.....	282.15		18.64
26 05 36 00-2383	EA	18" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover.....	327.91		21.67
26 05 36 00-2384	EA	24" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover.....	402.62		32.51
26 05 36 00-2385	EA	30" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover.....	473.83		39.99
26 05 36 00-2386	EA	36" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover.....	513.31		43.24
<b>26 05 36 00-2387</b>		<b>36" Radius Horizontal Crosses</b> <small>(26 05 36 00-2266)</small>			
26 05 36 00-2388	EA	6" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover.....	377.37		17.34
26 05 36 00-2389	EA	9" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover.....	395.28		18.64
26 05 36 00-2390	EA	12" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover.....	424.86		20.05
26 05 36 00-2391	EA	18" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover.....	469.35		23.63
26 05 36 00-2392	EA	24" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover.....	593.75		37.17
26 05 36 00-2393	EA	30" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover.....	689.84		47.36
26 05 36 00-2394	EA	36" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover.....	754.16		52.02
<b>26 05 36 00-2395</b>		<b>Reducers</b> <small>(26 05 36 00-2266)</small>			
26 05 36 00-2396	EA	9"-6" Reducer, Aluminum Cable Tray Covers.....	68.98		8.13
26 05 36 00-2397	EA	12"-6" Reducer, Aluminum Cable Tray Covers.....	73.74		9.64
26 05 36 00-2398	EA	12"-9" Reducer, Aluminum Cable Tray Covers.....	73.74		9.64
26 05 36 00-2399	EA	18"-6" Reducer, Aluminum Cable Tray Covers.....	83.05		11.81
26 05 36 00-2400	EA	18"-12" Reducer, Aluminum Cable Tray Covers.....	83.05		11.81
26 05 36 00-2401	EA	24"-12" Reducer, Aluminum Cable Tray Covers.....	91.81		13.00
26 05 36 00-2402	EA	24"-18" Reducer, Aluminum Cable Tray Covers.....	100.82		13.00
26 05 36 00-2403	EA	30"-12" Reducer, Aluminum Cable Tray Covers.....	106.24		14.85
26 05 36 00-2404	EA	30"-18" Reducer, Aluminum Cable Tray Covers.....	109.62		14.85
26 05 36 00-2405	EA	30"-24" Reducer, Aluminum Cable Tray Covers.....	111.93		14.85
26 05 36 00-2406	EA	36"-12" Reducer, Aluminum Cable Tray Covers.....	117.54		16.26
26 05 36 00-2407	EA	36"-18" Reducer, Aluminum Cable Tray Covers.....	119.81		16.26
26 05 36 00-2408	EA	36"-24" Reducer, Aluminum Cable Tray Covers.....	120.94		16.26
26 05 36 00-2409	EA	36"-30" Reducer, Aluminum Cable Tray Covers.....	122.07		16.26
<b>26 05 36 00-2410</b>		<b>Galvanized Steel Dividers</b> <small>(26 05 36 00-2121)</small>			
<b>26 05 36 00-2411</b>		<b>Straight Dividers</b> <small>(26 05 36 00-2410)</small>			
26 05 36 00-2412	LF	3" Deep Galvanized Steel Divider Strip, Straight.....	8.70		2.60
26 05 36 00-2413	LF	4" Deep Galvanized Steel Divider Strip, Straight.....	10.18		2.82
26 05 36 00-2414	LF	6" Deep Galvanized Steel Divider Strip, Straight.....	12.49		3.25
<b>26 05 36 00-2415</b>		<b>3" Deep Vertical Dividers</b> <small>(26 05 36 00-2410)</small>			
26 05 36 00-2416	EA	Vertical Divider, 3" Deep, 12" Radius, 30 Degree, Steel Cable Tray.....	52.43		18.64
26 05 36 00-2417	EA	Vertical Divider, 3" Deep, 12" Radius, 45 Degree, Steel Cable Tray.....	58.99		19.29
26 05 36 00-2418	EA	Vertical Divider, 3" Deep, 12" Radius, 60 Degree, Steel Cable Tray.....	61.96		20.05
26 05 36 00-2419	EA	Vertical Divider, 3" Deep, 12" Radius, 90 Degree, Steel Cable Tray.....	70.40		20.81
26 05 36 00-2420	EA	Vertical Divider, 3" Deep, 24" Radius, 30 Degree, Steel Cable Tray.....	67.23		20.81
26 05 36 00-2421	EA	Vertical Divider, 3" Deep, 24" Radius, 45 Degree, Steel Cable Tray.....	72.61		21.67
26 05 36 00-2422	EA	Vertical Divider, 3" Deep, 24" Radius, 60 Degree, Steel Cable Tray.....	83.75		22.65
26 05 36 00-2423	EA	Vertical Divider, 3" Deep, 24" Radius, 90 Degree, Steel Cable Tray.....	102.16		23.63
26 05 36 00-2424	EA	Vertical Divider, 3" Deep, 36" Radius, 30 Degree, Steel Cable.....	83.11		23.63
26 05 36 00-2425	EA	Vertical Divider, 3" Deep, 36" Radius, 45 Degree, Steel Cable Tray.....	92.10		24.82
26 05 36 00-2426	EA	Vertical Divider, 3" Deep, 36" Radius, 60 Degree, Steel Cable Tray.....	102.89		26.01
26 05 36 00-2427	EA	Vertical Divider, 3" Deep, 36" Radius, 90 Degree, Steel Cable Tray.....	128.18		27.42
<b>26 05 36 00-2428</b>		<b>4" Deep Vertical Dividers</b> <small>(26 05 36 00-2410)</small>			
26 05 36 00-2429	EA	Vertical Divider, 4" Deep, 12" Radius, 30 Degree, Steel Cable Tray.....	59.39		19.29
26 05 36 00-2430	EA	Vertical Divider, 4" Deep, 12" Radius, 45 Degree, Steel Cable Tray.....	65.13		20.05
26 05 36 00-2431	EA	Vertical Divider, 4" Deep, 12" Radius, 60 Degree, Steel Cable Tray.....	70.40		20.81
26 05 36 00-2432	EA	Vertical Divider, 4" Deep, 12" Radius, 90 Degree, Steel Cable Tray.....	79.75		21.67
26 05 36 00-2433	EA	Vertical Divider, 4" Deep, 24" Radius, 30 Degree, Steel Cable Tray.....	79.75		21.67
26 05 36 00-2434	EA	Vertical Divider, 4" Deep, 24" Radius, 45 Degree, Steel Cable Tray.....	92.49		22.65
26 05 36 00-2435	EA	Vertical Divider, 4" Deep, 24" Radius, 60 Degree, Steel Cable Tray.....	101.37		23.63
26 05 36 00-2436	EA	Vertical Divider, 4" Deep, 24" Radius, 90 Degree, Steel Cable Tray.....	123.85		24.82
26 05 36 00-2437	EA	Vertical Divider, 4" Deep, 36" Radius, 30 Degree, Steel Cable Tray.....	88.52		22.65
26 05 36 00-2438	EA	Vertical Divider, 4" Deep, 36" Radius, 45 Degree, Steel Cable Tray.....	97.40		23.63
26 05 36 00-2439	EA	Vertical Divider, 4" Deep, 36" Radius, 60 Degree, Steel Cable Tray.....	114.32		24.82
26 05 36 00-2440	EA	Vertical Divider, 4" Deep, 36" Radius, 90 Degree, Steel Cable Tray.....	142.58		26.01
<b>26 05 36 00-2441</b>		<b>6" Deep Vertical Dividers</b> <small>(26 05 36 00-2410)</small>			
26 05 36 00-2442	EA	Vertical Divider, 6" Deep, 12" Radius, 30 Degree, Steel Cable Tray.....	65.86		21.67
26 05 36 00-2443	EA	Vertical Divider, 6" Deep, 12" Radius, 45 Degree, Steel Cable Tray.....	71.05		22.65
26 05 36 00-2444	EA	Vertical Divider, 6" Deep, 12" Radius, 60 Degree, Steel Cable Tray.....	77.56		23.63

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2445	EA		Vertical Divider, 6" Deep, 12" Radius, 90 Degree, Steel Cable Tray .....	88.92	24.82
26 05 36 00-2446	EA		Vertical Divider, 6" Deep, 24" Radius, 30 Degree, Steel Cable Tray .....	81.37	22.65
26 05 36 00-2447	EA		Vertical Divider, 6" Deep, 24" Radius, 45 Degree, Steel Cable Tray .....	94.23	23.63
26 05 36 00-2448	EA		Vertical Divider, 6" Deep, 24" Radius, 60 Degree, Steel Cable Tray .....	104.00	24.82
26 05 36 00-2449	EA		Vertical Divider, 6" Deep, 24" Radius, 90 Degree, Steel Cable Tray .....	125.91	26.01
26 05 36 00-2450	EA		Vertical Divider, 6" Deep, 36" Radius, 30 Degree, Steel Cable Tray .....	90.26	23.63
26 05 36 00-2451	EA		Vertical Divider, 6" Deep, 36" Radius, 45 Degree, Steel Cable Tray .....	104.00	24.82
26 05 36 00-2452	EA		Vertical Divider, 6" Deep, 36" Radius, 60 Degree, Steel Cable Tray .....	125.91	26.01
26 05 36 00-2453	EA		Vertical Divider, 6" Deep, 36" Radius, 90 Degree, Steel Cable Tray .....	152.00	27.42
<b>26 05 36 00-2454</b>			<b>Horizontal Dividers (26 05 36 00-2410)</b>		
26 05 36 00-2455	EA		3" Deep Horizontal Fitting Divider Strip, Steel Cable Tray .....	56.78	15.72
26 05 36 00-2456	EA		4" Deep Horizontal Fitting Divider Strip, Steel Cable Tray .....	63.08	17.34
26 05 36 00-2457	EA		6" Deep Horizontal Fitting Divider Strip, Steel Cable Tray .....	75.74	19.29
<b>26 05 36 00-2458</b>			<b>Aluminum Dividers (26 05 36 00-2121)</b>		
<b>26 05 36 00-2459</b>			<b>Straight Dividers (26 05 36 00-2458)</b>		
26 05 36 00-2460	LF		3" Deep Aluminum Divider Strip, Straight .....	10.34	2.50
26 05 36 00-2461	LF		4" Deep Aluminum Divider Strip, Straight .....	12.24	2.71
26 05 36 00-2462	LF		6" Deep Aluminum Divider Strip, Straight .....	15.16	3.04
<b>26 05 36 00-2463</b>			<b>3" Deep Vertical Dividers (26 05 36 00-2458)</b>		
26 05 36 00-2464	EA		Vertical Divider, 3" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray .....	54.70	17.99
26 05 36 00-2465	EA		Vertical Divider, 3" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray .....	60.23	18.64
26 05 36 00-2466	EA		Vertical Divider, 3" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray .....	66.29	19.29
26 05 36 00-2467	EA		Vertical Divider, 3" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray .....	76.68	20.05
26 05 36 00-2468	EA		Vertical Divider, 3" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray .....	74.51	20.05
26 05 36 00-2469	EA		Vertical Divider, 3" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray .....	82.31	20.81
26 05 36 00-2470	EA		Vertical Divider, 3" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray .....	95.63	21.67
26 05 36 00-2471	EA		Vertical Divider, 3" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray .....	118.90	22.65
26 05 36 00-2472	EA		Vertical Divider, 3" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray .....	100.49	22.65
26 05 36 00-2473	EA		Vertical Divider, 3" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray .....	120.64	23.63
26 05 36 00-2474	EA		Vertical Divider, 3" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray .....	146.29	24.82
26 05 36 00-2475	EA		Vertical Divider, 3" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray .....	180.82	26.01
<b>26 05 36 00-2476</b>			<b>4" Deep Vertical Dividers (26 05 36 00-2458)</b>		
26 05 36 00-2477	EA		Vertical Divider, 4" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray .....	65.96	18.64
26 05 36 00-2478	EA		Vertical Divider, 4" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray .....	72.67	19.29
26 05 36 00-2479	EA		Vertical Divider, 4" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray .....	79.93	20.05
26 05 36 00-2480	EA		Vertical Divider, 4" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray .....	89.89	20.81
26 05 36 00-2481	EA		Vertical Divider, 4" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray .....	88.80	20.81
26 05 36 00-2482	EA		Vertical Divider, 4" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray .....	103.20	21.67
26 05 36 00-2483	EA		Vertical Divider, 4" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray .....	116.73	22.65
26 05 36 00-2484	EA		Vertical Divider, 4" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray .....	147.70	23.63
26 05 36 00-2485	EA		Vertical Divider, 4" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray .....	120.52	21.67
26 05 36 00-2486	EA		Vertical Divider, 4" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray .....	145.96	22.65
26 05 36 00-2487	EA		Vertical Divider, 4" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray .....	171.51	23.63
26 05 36 00-2488	EA		Vertical Divider, 4" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray .....	207.99	24.82
<b>26 05 36 00-2489</b>			<b>6" Deep Vertical Dividers (26 05 36 00-2458)</b>		
26 05 36 00-2490	EA		Vertical Divider, 6" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray .....	73.00	20.81
26 05 36 00-2491	EA		Vertical Divider, 6" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray .....	81.55	21.67
26 05 36 00-2492	EA		Vertical Divider, 6" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray .....	85.34	22.65
26 05 36 00-2493	EA		Vertical Divider, 6" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray .....	95.74	23.63
26 05 36 00-2494	EA		Vertical Divider, 6" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray .....	92.38	21.67
26 05 36 00-2495	EA		Vertical Divider, 6" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray .....	114.57	22.65
26 05 36 00-2496	EA		Vertical Divider, 6" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray .....	123.88	23.63
26 05 36 00-2497	EA		Vertical Divider, 6" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray .....	156.03	24.82
26 05 36 00-2498	EA		Vertical Divider, 6" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray .....	123.23	22.65
26 05 36 00-2499	EA		Vertical Divider, 6" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray .....	154.19	23.63
26 05 36 00-2500	EA		Vertical Divider, 6" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray .....	176.60	24.82
26 05 36 00-2501	EA		Vertical Divider, 6" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray .....	205.72	26.01
<b>26 05 36 00-2502</b>			<b>Horizontal Dividers (26 05 36 00-2458)</b>		
26 05 36 00-2503	EA		3" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray .....	64.22	14.85
26 05 36 00-2504	EA		4" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray .....	70.40	16.26
26 05 36 00-2505	EA		6" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray .....	87.28	17.99
<b>26 05 36 00-2506</b>			<b>Wall Brackets (26 05 36 00-0001)</b>		
<b>26 05 36 00-2507</b>			<b>Wall Brackets (26 05 36 00-2506)</b>		
26 05 36 00-2508	EA		6" Wide Tray Wall Bracket .....	79.89	21.67
26 05 36 00-2509	EA		9" Wide Tray Wall Bracket .....	82.76	22.65
26 05 36 00-2510	EA		12" Wide Tray Wall Bracket .....	90.76	23.63
26 05 36 00-2511	EA		18" Wide Tray Wall Bracket .....	96.35	24.82
26 05 36 00-2512	EA		24" Wide Tray Wall Bracket .....	104.67	26.01

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 36 Cable Trays for Electrical Systems**



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 05 36 00-2513	EA	30" Wide Tray Wall Bracket .....	124.46	27.42
26 05 36 00-2514	EA	36" Wide Tray Wall Bracket .....	148.88	29.26
<b>26 05 36 00-2515</b>		<b>Fiberglass Cable Tray <small>(26 05 36 00-0001)</small></b>		
<b>26 05 36 00-2516</b>		<b>Ladder Bottom Fiberglass Cable Tray <small>(26 05 36 00-2515)</small></b> Note: Excludes hangers and support system.		
<b>26 05 36 00-2517</b>		<b>Straight Tray Sections <small>(26 05 36 00-2516)</small></b>		
26 05 36 00-2518	LF	6" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing .....	10.56	2.93
		For 9" Rung Spacing, Add	0.22	
		For 6" Rung Spacing, Add	0.93	
		For 4" Rung Spacing, Add	1.71	
		For 18" Rung Spacing, Deduct	-0.16	
		For Solid Bottom, Add	2.52	
		For Vented Trough Bottom, Add	3.03	
26 05 36 00-2519	LF	9" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing .....	11.84	3.58
		For 9" Rung Spacing, Add	0.23	
		For 6" Rung Spacing, Add	0.96	
		For 4" Rung Spacing, Add	1.77	
		For 18" Rung Spacing, Deduct	-0.16	
		For Solid Bottom, Add	2.74	
		For Vented Trough Bottom, Add	3.25	
26 05 36 00-2520	LF	12" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing.....	13.12	4.33
		For 9" Rung Spacing, Add	0.23	
		For 6" Rung Spacing, Add	0.99	
		For 4" Rung Spacing, Add	1.82	
		For 18" Rung Spacing, Deduct	-0.17	
		For Solid Bottom, Add	2.96	
		For Vented Trough Bottom, Add	3.46	
26 05 36 00-2521	LF	18" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing.....	15.78	5.74
		For 9" Rung Spacing, Add	0.25	
		For 6" Rung Spacing, Add	1.07	
		For 4" Rung Spacing, Add	1.96	
		For 18" Rung Spacing, Deduct	-0.18	
		For Solid Bottom, Add	3.43	
		For Vented Trough Bottom, Add	3.93	
26 05 36 00-2522	LF	24" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing.....	18.43	7.26
		For 9" Rung Spacing, Add	0.27	
		For 6" Rung Spacing, Add	1.14	
		For 4" Rung Spacing, Add	2.09	
		For 18" Rung Spacing, Deduct	-0.19	
		For Solid Bottom, Add	3.90	
		For Vented Trough Bottom, Add	4.39	
26 05 36 00-2523	LF	30" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing.....	20.15	7.91
		For 9" Rung Spacing, Add	0.29	
		For 6" Rung Spacing, Add	1.23	
		For 4" Rung Spacing, Add	2.26	
		For 18" Rung Spacing, Deduct	-0.21	
		For Solid Bottom, Add	4.26	
		For Vented Trough Bottom, Add	4.78	
26 05 36 00-2524	LF	36" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing.....	21.90	8.67
		For 9" Rung Spacing, Add	0.31	
		For 6" Rung Spacing, Add	1.34	
		For 4" Rung Spacing, Add	2.45	
		For 18" Rung Spacing, Deduct	-0.22	
		For Solid Bottom, Add	4.62	
		For Vented Trough Bottom, Add	5.19	
<b>26 05 36 00-2525</b>		<b>90 Degree Horizontal Elbows <small>(26 05 36 00-2516)</small></b>		
26 05 36 00-2526	EA	6" Horizontal 90 Degree Elbow, Fiberglass Cable Tray .....	57.70	21.67
		For 9" Rung Spacing, Add	0.88	
		For 6" Rung Spacing, Add	3.78	
		For 4" Rung Spacing, Add	6.93	
		For 18" Rung Spacing, Deduct	-0.63	
		For Solid Bottom, Add	12.43	
		For Vented Trough Bottom, Add	14.14	
		For 60 Degree Bend, Deduct	-11.56	
		For 45 Degree Bend, Deduct	-15.96	
		For 30 Degree Bend, Deduct	-20.36	
26 05 36 00-2527	EA	9" Horizontal 90 Degree Elbow, Fiberglass Cable Tray .....	64.57	25.25
		For 9" Rung Spacing, Add	0.93	
		For 6" Rung Spacing, Add	4.00	
		For 4" Rung Spacing, Add	7.33	
		For 18" Rung Spacing, Deduct	-0.67	
		For Solid Bottom, Add	13.68	
		For Vented Trough Bottom, Add	15.40	
		For 60 Degree Bend, Deduct	-12.58	
		For 45 Degree Bend, Deduct	-17.41	
		For 30 Degree Bend, Deduct	-22.24	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2528	EA			12" Horizontal 90 Degree Elbow, Fiberglass Cable Tray.....	75.77	31.76
				For 9" Rung Spacing, Add	0.98	
				For 6" Rung Spacing, Add	4.21	
				For 4" Rung Spacing, Add	7.72	
				For 18" Rung Spacing, Deduct	-0.70	
				For Solid Bottom, Add	15.58	
				For Vented Trough Bottom, Add	17.19	
				For 60 Degree Bend, Deduct	-14.04	
				For 45 Degree Bend, Deduct	-19.51	
				For 30 Degree Bend, Deduct	-24.98	
26 05 36 00-2529	EA			18" Horizontal 90 Degree Elbow, Fiberglass Cable Tray.....	89.69	38.36
				For 9" Rung Spacing, Add	1.13	
				For 6" Rung Spacing, Add	4.84	
				For 4" Rung Spacing, Add	8.87	
				For 18" Rung Spacing, Deduct	-0.81	
				For Solid Bottom, Add	18.29	
				For Vented Trough Bottom, Add	20.08	
				For 60 Degree Bend, Deduct	-16.39	
				For 45 Degree Bend, Deduct	-22.81	
				For 30 Degree Bend, Deduct	-29.23	
26 05 36 00-2530	EA			24" Horizontal 90 Degree Elbow, Fiberglass Cable Tray.....	101.56	44.11
				For 9" Rung Spacing, Add	1.24	
				For 6" Rung Spacing, Add	5.32	
				For 4" Rung Spacing, Add	9.75	
				For 18" Rung Spacing, Deduct	-0.89	
				For Solid Bottom, Add	20.55	
				For Vented Trough Bottom, Add	22.45	
				For 60 Degree Bend, Deduct	-18.31	
				For 45 Degree Bend, Deduct	-25.52	
				For 30 Degree Bend, Deduct	-32.72	
26 05 36 00-2531	EA			30" Horizontal 90 Degree Elbow, Fiberglass Cable Tray.....	111.20	47.04
				For 9" Rung Spacing, Add	1.43	
				For 6" Rung Spacing, Add	6.11	
				For 4" Rung Spacing, Add	11.21	
				For 18" Rung Spacing, Deduct	-1.02	
				For Solid Bottom, Add	22.79	
				For Vented Trough Bottom, Add	25.11	
				For 60 Degree Bend, Deduct	-20.49	
				For 45 Degree Bend, Deduct	-28.50	
				For 30 Degree Bend, Deduct	-36.51	
26 05 36 00-2532	EA			36" Horizontal 90 Degree Elbow, Fiberglass Cable Tray.....	122.67	50.62
				For 9" Rung Spacing, Add	1.64	
				For 6" Rung Spacing, Add	7.02	
				For 4" Rung Spacing, Add	12.87	
				For 18" Rung Spacing, Deduct	-1.17	
				For Solid Bottom, Add	25.42	
				For Vented Trough Bottom, Add	28.21	
				For 60 Degree Bend, Deduct	-23.03	
				For 45 Degree Bend, Deduct	-31.98	
				For 30 Degree Bend, Deduct	-40.92	
<b>26 05 36 00-2533</b>				<b>Inside Or Outside Vertical Risers (26 05 36 00-2516)</b>		
26 05 36 00-2534	EA			6" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray.....	84.02	21.67
				For 9" Rung Spacing, Add	1.80	
				For 6" Rung Spacing, Add	7.73	
				For 4" Rung Spacing, Add	14.17	
				For 18" Rung Spacing, Deduct	-1.29	
				For Solid Bottom, Add	20.33	
				For Vented Trough Bottom, Add	24.67	
				For 60 Degree Bend, Deduct	-20.25	
				For 45 Degree Bend, Deduct	-27.54	
				For 30 Degree Bend, Deduct	-34.83	
26 05 36 00-2535	EA			9" Vertical Inside Or Outside Riser 90, Fiberglass.....	90.17	25.25
				For 9" Rung Spacing, Add	1.83	
				For 6" Rung Spacing, Add	7.84	
				For 4" Rung Spacing, Add	14.37	
				For 18" Rung Spacing, Deduct	-1.31	
				For Solid Bottom, Add	21.36	
				For Vented Trough Bottom, Add	25.64	
				For 60 Degree Bend, Deduct	-21.03	
				For 45 Degree Bend, Deduct	-28.68	
				For 30 Degree Bend, Deduct	-36.32	
26 05 36 00-2536	EA			12" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray.....	100.64	31.76
				For 9" Rung Spacing, Add	1.85	
				For 6" Rung Spacing, Add	7.94	
				For 4" Rung Spacing, Add	14.56	
				For 18" Rung Spacing, Deduct	-1.32	
				For Solid Bottom, Add	23.04	
				For Vented Trough Bottom, Add	27.14	
				For 60 Degree Bend, Deduct	-22.24	
				For 45 Degree Bend, Deduct	-30.45	
				For 30 Degree Bend, Deduct	-38.66	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 36 00-2537	EA 18" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray.....	112.00	38.36
	For 9" Rung Spacing, Add	1.91	
	For 6" Rung Spacing, Add	8.18	
	For 4" Rung Spacing, Add	15.00	
	For 18" Rung Spacing, Deduct	-1.36	
	For Solid Bottom, Add	24.98	
	For Vented Trough Bottom, Add	29.00	
	For 60 Degree Bend, Deduct	-23.75	
	For 45 Degree Bend, Deduct	-32.62	
	For 30 Degree Bend, Deduct	-41.50	
26 05 36 00-2538	EA 24" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray.....	122.10	44.11
	For 9" Rung Spacing, Add	1.96	
	For 6" Rung Spacing, Add	8.40	
	For 4" Rung Spacing, Add	15.40	
	For 18" Rung Spacing, Deduct	-1.40	
	For Solid Bottom, Add	26.72	
	For Vented Trough Bottom, Add	30.66	
	For 60 Degree Bend, Deduct	-25.09	
	For 45 Degree Bend, Deduct	-34.56	
	For 30 Degree Bend, Deduct	-44.02	
26 05 36 00-2539	EA 30" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray.....	127.88	47.04
	For 9" Rung Spacing, Add	2.01	
	For 6" Rung Spacing, Add	8.62	
	For 4" Rung Spacing, Add	15.80	
	For 18" Rung Spacing, Deduct	-1.44	
	For Solid Bottom, Add	27.80	
	For Vented Trough Bottom, Add	31.78	
	For 60 Degree Bend, Deduct	-26.00	
	For 45 Degree Bend, Deduct	-35.84	
	For 30 Degree Bend, Deduct	-45.68	
26 05 36 00-2540	EA 36" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray.....	139.32	50.62
	For 9" Rung Spacing, Add	2.22	
	For 6" Rung Spacing, Add	9.52	
	For 4" Rung Spacing, Add	17.45	
	For 18" Rung Spacing, Deduct	-1.59	
	For Solid Bottom, Add	30.42	
	For Vented Trough Bottom, Add	34.87	
	For 60 Degree Bend, Deduct	-28.53	
	For 45 Degree Bend, Deduct	-39.30	
	For 30 Degree Bend, Deduct	-50.08	
26 05 36 00-2541	<b>Horizontal Tees</b> <small>(26 05 36 00-2516)</small>		
26 05 36 00-2542	EA 6" Horizontal Tee, Fiberglass Cable Tray.....	125.73	54.18
	For 9" Rung Spacing, Add	1.56	
	For 6" Rung Spacing, Add	6.67	
	For 4" Rung Spacing, Add	12.22	
	For 18" Rung Spacing, Deduct	-1.11	
	For Solid Bottom, Add	25.53	
	For Vented Trough Bottom, Add	27.94	
26 05 36 00-2543	EA 9" Horizontal Tee, Fiberglass Cable Tray.....	141.59	63.62
	For 9" Rung Spacing, Add	1.62	
	For 6" Rung Spacing, Add	6.93	
	For 4" Rung Spacing, Add	12.71	
	For 18" Rung Spacing, Deduct	-1.16	
	For Solid Bottom, Add	28.17	
	For Vented Trough Bottom, Add	30.41	
26 05 36 00-2544	EA 12" Horizontal Tee, Fiberglass Cable Tray.....	161.77	75.86
	For 9" Rung Spacing, Add	1.68	
	For 6" Rung Spacing, Add	7.20	
	For 4" Rung Spacing, Add	13.19	
	For 18" Rung Spacing, Deduct	-1.20	
	For Solid Bottom, Add	31.46	
	For Vented Trough Bottom, Add	33.42	
26 05 36 00-2545	EA 18" Horizontal Tee, Fiberglass Cable Tray.....	180.67	85.29
	For 9" Rung Spacing, Add	1.85	
	For 6" Rung Spacing, Add	7.92	
	For 4" Rung Spacing, Add	14.52	
	For 18" Rung Spacing, Deduct	-1.32	
	For Solid Bottom, Add	35.02	
	For Vented Trough Bottom, Add	37.10	
26 05 36 00-2546	EA 24" Horizontal Tee, Fiberglass Cable Tray.....	189.94	88.87
	For 9" Rung Spacing, Add	1.98	
	For 6" Rung Spacing, Add	8.50	
	For 4" Rung Spacing, Add	15.58	
	For 18" Rung Spacing, Deduct	-1.42	
	For Solid Bottom, Add	36.99	
	For Vented Trough Bottom, Add	39.32	
26 05 36 00-2547	EA 30" Horizontal Tee, Fiberglass Cable Tray.....	203.47	93.96
	For 9" Rung Spacing, Add	2.19	
	For 6" Rung Spacing, Add	9.39	
	For 4" Rung Spacing, Add	17.21	
	For 18" Rung Spacing, Deduct	-1.56	
	For Solid Bottom, Add	39.91	
	For Vented Trough Bottom, Add	42.64	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 05 36 00-2548	EA		36" Horizontal Tee, Fiberglass Cable Tray .....	220.86	101.22
				For 9" Rung Spacing, Add	2.42	
				For 6" Rung Spacing, Add	10.37	
				For 4" Rung Spacing, Add	19.01	
				For 18" Rung Spacing, Deduct	-1.73	
				For Solid Bottom, Add	43.50	
				For Vented Trough Bottom, Add	46.62	
	<b>26 05 36 00-2549</b>			<b>Horizontal Crosses</b> <small>(26 05 36 00-2516)</small>		
	26 05 36 00-2550	EA		6" Horizontal Cross, Fiberglass Cable Tray .....	197.85	93.96
				For 9" Rung Spacing, Add	1.99	
				For 6" Rung Spacing, Add	8.54	
				For 4" Rung Spacing, Add	15.66	
				For 18" Rung Spacing, Deduct	-1.42	
				For Solid Bottom, Add	38.22	
				For Vented Trough Bottom, Add	40.40	
	26 05 36 00-2551	EA		9" Horizontal Cross, Fiberglass Cable Tray .....	210.37	101.22
				For 9" Rung Spacing, Add	2.05	
				For 6" Rung Spacing, Add	8.80	
				For 4" Rung Spacing, Add	16.13	
				For 18" Rung Spacing, Deduct	-1.47	
				For Solid Bottom, Add	40.35	
				For Vented Trough Bottom, Add	42.43	
	26 05 36 00-2552	EA		12" Horizontal Cross, Fiberglass Cable Tray .....	222.90	108.48
				For 9" Rung Spacing, Add	2.11	
				For 6" Rung Spacing, Add	9.05	
				For 4" Rung Spacing, Add	16.59	
				For 18" Rung Spacing, Deduct	-1.51	
				For Solid Bottom, Add	42.48	
				For Vented Trough Bottom, Add	44.45	
	26 05 36 00-2553	EA		18" Horizontal Cross, Fiberglass Cable Tray .....	238.55	115.64
				For 9" Rung Spacing, Add	2.28	
				For 6" Rung Spacing, Add	9.77	
				For 4" Rung Spacing, Add	17.92	
				For 18" Rung Spacing, Deduct	-1.63	
				For Solid Bottom, Add	45.56	
				For Vented Trough Bottom, Add	47.74	
	26 05 36 00-2554	EA		24" Horizontal Cross, Fiberglass Cable Tray .....	253.08	122.89
				For 9" Rung Spacing, Add	2.41	
				For 6" Rung Spacing, Add	10.33	
				For 4" Rung Spacing, Add	18.93	
				For 18" Rung Spacing, Deduct	-1.72	
				For Solid Bottom, Add	48.29	
				For Vented Trough Bottom, Add	50.57	
	26 05 36 00-2555	EA		30" Horizontal Cross, Fiberglass Cable Tray .....	270.00	130.16
				For 9" Rung Spacing, Add	2.62	
				For 6" Rung Spacing, Add	11.24	
				For 4" Rung Spacing, Add	20.61	
				For 18" Rung Spacing, Deduct	-1.87	
				For Solid Bottom, Add	51.74	
				For Vented Trough Bottom, Add	54.36	
	26 05 36 00-2556	EA		36" Horizontal Cross, Fiberglass Cable Tray .....	291.95	139.47
				For 9" Rung Spacing, Add	2.90	
				For 6" Rung Spacing, Add	12.42	
				For 4" Rung Spacing, Add	22.76	
				For 18" Rung Spacing, Deduct	-2.07	
				For Solid Bottom, Add	56.21	
				For Vented Trough Bottom, Add	59.26	
	<b>26 05 36 00-2557</b>			<b>Horizontal Wyes</b> <small>(26 05 36 00-2516)</small>		
	26 05 36 00-2558	EA		6" Horizontal Wye, Fiberglass Cable Tray .....	121.23	54.18
				For 9" Rung Spacing, Add	1.40	
				For 6" Rung Spacing, Add	5.99	
				For 4" Rung Spacing, Add	10.99	
				For 18" Rung Spacing, Deduct	-1.00	
				For Solid Bottom, Add	24.18	
				For Vented Trough Bottom, Add	26.14	
	26 05 36 00-2559	EA		9" Horizontal Wye, Fiberglass Cable Tray .....	128.27	57.87
				For 9" Rung Spacing, Add	1.45	
				For 6" Rung Spacing, Add	6.24	
				For 4" Rung Spacing, Add	11.43	
				For 18" Rung Spacing, Deduct	-1.04	
				For Solid Bottom, Add	25.48	
				For Vented Trough Bottom, Add	27.47	
	26 05 36 00-2560	EA		12" Horizontal Wye, Fiberglass Cable Tray .....	156.95	75.86
				For 9" Rung Spacing, Add	1.51	
				For 6" Rung Spacing, Add	6.47	
				For 4" Rung Spacing, Add	11.87	
				For 18" Rung Spacing, Deduct	-1.08	
				For Solid Bottom, Add	30.02	
				For Vented Trough Bottom, Add	31.49	
	26 05 36 00-2561	EA		18" Horizontal Wye, Fiberglass Cable Tray .....	175.39	85.29
				For 9" Rung Spacing, Add	1.66	
				For 6" Rung Spacing, Add	7.13	
				For 4" Rung Spacing, Add	13.06	
				For 18" Rung Spacing, Deduct	-1.19	
				For Solid Bottom, Add	33.43	
				For Vented Trough Bottom, Add	34.99	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 05 36 00-2562	EA	24" Horizontal Wye, Fiberglass Cable Tray	184.16	88.87
		<i>For 9" Rung Spacing, Add</i>	1.78	
		<i>For 6" Rung Spacing, Add</i>	7.63	
		<i>For 4" Rung Spacing, Add</i>	13.99	
		<i>For 18" Rung Spacing, Deduct</i>	-1.27	
		<i>For Solid Bottom, Add</i>	35.25	
		<i>For Vented Trough Bottom, Add</i>	37.01	
26 05 36 00-2563	EA	30" Horizontal Wye, Fiberglass Cable Tray	197.21	93.96
		<i>For 9" Rung Spacing, Add</i>	1.97	
		<i>For 6" Rung Spacing, Add</i>	8.45	
		<i>For 4" Rung Spacing, Add</i>	15.49	
		<i>For 18" Rung Spacing, Deduct</i>	-1.41	
		<i>For Solid Bottom, Add</i>	38.03	
		<i>For Vented Trough Bottom, Add</i>	40.14	
26 05 36 00-2564	EA	36" Horizontal Wye, Fiberglass Cable Tray	213.95	101.22
		<i>For 9" Rung Spacing, Add</i>	2.18	
		<i>For 6" Rung Spacing, Add</i>	9.33	
		<i>For 4" Rung Spacing, Add</i>	17.11	
		<i>For 18" Rung Spacing, Deduct</i>	-1.56	
		<i>For Solid Bottom, Add</i>	41.43	
		<i>For Vented Trough Bottom, Add</i>	43.85	
<b>26 05 36 00-2565</b>		<b>Straight Reducers</b> <small>(26 05 36 00-2516)</small>		
26 05 36 00-2566	EA	9"-6" Reducer, Fiberglass Cable Tray	55.13	21.67
		<i>For 9" Rung Spacing, Add</i>	0.79	
		<i>For 6" Rung Spacing, Add</i>	3.39	
		<i>For 4" Rung Spacing, Add</i>	6.22	
		<i>For 18" Rung Spacing, Deduct</i>	-0.57	
		<i>For Solid Bottom, Add</i>	11.66	
		<i>For Vented Trough Bottom, Add</i>	13.11	
26 05 36 00-2567	EA	12"-9" Reducer, Fiberglass Cable Tray	60.89	25.25
		<i>For 9" Rung Spacing, Add</i>	0.80	
		<i>For 6" Rung Spacing, Add</i>	3.44	
		<i>For 4" Rung Spacing, Add</i>	6.31	
		<i>For 18" Rung Spacing, Deduct</i>	-0.57	
		<i>For Solid Bottom, Add</i>	12.58	
		<i>For Vented Trough Bottom, Add</i>	13.93	
26 05 36 00-2568	EA	18"-12" Reducer, Fiberglass Cable Tray	66.62	28.93
		<i>For 9" Rung Spacing, Add</i>	0.81	
		<i>For 6" Rung Spacing, Add</i>	3.49	
		<i>For 4" Rung Spacing, Add</i>	6.40	
		<i>For 18" Rung Spacing, Deduct</i>	-0.58	
		<i>For Solid Bottom, Add</i>	13.48	
		<i>For Vented Trough Bottom, Add</i>	14.73	
26 05 36 00-2569	EA	24"-18" Reducer, Fiberglass Cable Tray	71.76	31.76
		<i>For 9" Rung Spacing, Add</i>	0.84	
		<i>For 6" Rung Spacing, Add</i>	3.61	
		<i>For 4" Rung Spacing, Add</i>	6.62	
		<i>For 18" Rung Spacing, Deduct</i>	-0.60	
		<i>For Solid Bottom, Add</i>	14.37	
		<i>For Vented Trough Bottom, Add</i>	15.59	
26 05 36 00-2570	EA	30"-24" Reducer, Fiberglass Cable Tray	80.10	34.68
		<i>For 9" Rung Spacing, Add</i>	0.98	
		<i>For 6" Rung Spacing, Add</i>	4.21	
		<i>For 4" Rung Spacing, Add</i>	7.72	
		<i>For 18" Rung Spacing, Deduct</i>	-0.70	
		<i>For Solid Bottom, Add</i>	16.23	
		<i>For Vented Trough Bottom, Add</i>	17.73	
26 05 36 00-2571	EA	36"-30" Reducer, Fiberglass Cable Tray	90.06	38.36
		<i>For 9" Rung Spacing, Add</i>	1.14	
		<i>For 6" Rung Spacing, Add</i>	4.89	
		<i>For 4" Rung Spacing, Add</i>	8.97	
		<i>For 18" Rung Spacing, Deduct</i>	-0.82	
		<i>For Solid Bottom, Add</i>	18.40	
		<i>For Vented Trough Bottom, Add</i>	20.23	
<b>26 05 36 00-2572</b>		<b>Vertical Tees</b> <small>(26 05 36 00-2516)</small>		
26 05 36 00-2573	EA	6" Vertical Tee, Fiberglass Cable Tray	166.16	54.18
		<i>For 9" Rung Spacing, Add</i>	2.97	
		<i>For 6" Rung Spacing, Add</i>	12.73	
		<i>For 4" Rung Spacing, Add</i>	23.34	
		<i>For 18" Rung Spacing, Deduct</i>	-2.12	
		<i>For Solid Bottom, Add</i>	37.66	
		<i>For Vented Trough Bottom, Add</i>	44.11	
26 05 36 00-2574	EA	9" Vertical Tee, Fiberglass Cable Tray	172.63	57.87
		<i>For 9" Rung Spacing, Add</i>	3.01	
		<i>For 6" Rung Spacing, Add</i>	12.89	
		<i>For 4" Rung Spacing, Add</i>	23.63	
		<i>For 18" Rung Spacing, Deduct</i>	-2.15	
		<i>For Solid Bottom, Add</i>	38.79	
		<i>For Vented Trough Bottom, Add</i>	45.21	
26 05 36 00-2575	EA	12" Vertical Tee, Fiberglass Cable Tray	200.76	75.86
		<i>For 9" Rung Spacing, Add</i>	3.04	
		<i>For 6" Rung Spacing, Add</i>	13.05	
		<i>For 4" Rung Spacing, Add</i>	23.92	
		<i>For 18" Rung Spacing, Deduct</i>	-2.17	
		<i>For Solid Bottom, Add</i>	43.16	
		<i>For Vented Trough Bottom, Add</i>	49.01	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 36 00-2576	EA	18"	Vertical Tee, Fiberglass Cable Tray ..... <i>For 9" Rung Spacing, Add</i> <i>For 6" Rung Spacing, Add</i> <i>For 4" Rung Spacing, Add</i> <i>For 18" Rung Spacing, Deduct</i> <i>For Solid Bottom, Add</i> <i>For Vented Trough Bottom, Add</i>	217.26 3.13 13.41 24.58 -2.23 45.99 51.73	85.29
26 05 36 00-2577	EA	24"	Vertical Tee, Fiberglass Cable Tray ..... <i>For 9" Rung Spacing, Add</i> <i>For 6" Rung Spacing, Add</i> <i>For 4" Rung Spacing, Add</i> <i>For 18" Rung Spacing, Deduct</i> <i>For Solid Bottom, Add</i> <i>For Vented Trough Bottom, Add</i>	224.92 3.21 13.74 25.20 -2.29 47.48 53.31	88.87
26 05 36 00-2578	EA	30"	Vertical Tee, Fiberglass Cable Tray ..... <i>For 9" Rung Spacing, Add</i> <i>For 6" Rung Spacing, Add</i> <i>For 4" Rung Spacing, Add</i> <i>For 18" Rung Spacing, Deduct</i> <i>For Solid Bottom, Add</i> <i>For Vented Trough Bottom, Add</i>	234.60 3.28 14.06 25.77 -2.34 49.25 55.10	93.96
26 05 36 00-2579	EA	36"	Vertical Tee, Fiberglass Cable Tray ..... <i>For 9" Rung Spacing, Add</i> <i>For 6" Rung Spacing, Add</i> <i>For 4" Rung Spacing, Add</i> <i>For 18" Rung Spacing, Deduct</i> <i>For Solid Bottom, Add</i> <i>For Vented Trough Bottom, Add</i>	255.26 3.62 15.53 28.47 -2.59 53.82 60.38	101.22

**26 05 39 Underfloor Raceways for Electrical Systems (26 05)**

26 05 39 00-0001			Underfloor Ducts (26 05 39)		
26 05 39 00-0002			Straight Duct Sections 10' Long, 14 Gauge Steel (26 05 39 00-0001)		
26 05 39 00-0003			Standard Ducts, 3.8 Square Inches (26 05 39 00-0002)		
26 05 39 00-0004	EA		Standard Underfloor Straight Duct Blank Without Inserts, 10' Long, 14 Gauge, 3.8 Square Inches .....	90.70	19.08
26 05 39 00-0005	EA		Standard Underfloor Straight Duct With 7/8" Inserts On 24" Centers, 10' Long, 14 Gauge, 3.8 Square Inches .....	114.02	22.33
26 05 39 00-0006			Large Capacity Ducts, 8.9 Square Inches (26 05 39 00-0002)		
26 05 39 00-0007	EA		Large Capacity Underfloor Straight Duct Blank Without Inserts, 10' Long, 14 Gauge, 8.9 Square Inches .....	150.36	24.17
26 05 39 00-0008	EA		Large Capacity Underfloor Straight Duct With 7/8" Inserts On 24" Centers, 10' Long, 14 Gauge, 8.9 Square Inches .....	172.13	26.77
26 05 39 00-0009			Junction Boxes (26 05 39 00-0001)		
26 05 39 00-0010			One Level Junction Boxes (26 05 39 00-0009)		
26 05 39 00-0011	EA		1 Level UF Duct Junction Box, 1 Standard Duct Without Partitions In Box.....	229.31	37.93
26 05 39 00-0012	EA		1 Level UF Duct Junction Box, 1 Large Duct Without Partitions In Box .....	259.37	40.64
26 05 39 00-0013	EA		1 Level UF Duct Junction Box, 1 Standard And Large Duct Per Side With Partitions In Box .....	414.47	37.93
			Note: Isolate each duct and form a continuous raceway through the box in both directions.		
26 05 39 00-0014	EA		1 Level UF Duct Junction Box, 2 Standard Ducts Per Side With Partitions In Box .....	283.52	40.64
26 05 39 00-0015	EA		1 Level UF Duct Junction Box, 3 Standard Ducts Per Side With Partitions In Box .....	448.90	53.43
26 05 39 00-0016	EA		1 Level UF Duct Junction Box, 2 Large Ducts Per Side With Partitions In Box Duct .....	628.15	58.08
26 05 39 00-0017			Two Level Junction Boxes (26 05 39 00-0009)		
26 05 39 00-0018	EA		2 Level UF Duct Junction Box, 2 Standard Duct Cross, Intersects At Right Angles, Raceway Bottom Level.....	952.00	38.36
			Note: Accepts two standard ducts to form a continuous raceway at right angles to the top level raceway.		
26 05 39 00-0019	EA		2 Level UF Duct Junction Box, 2 Large Duct Bottom Level: Accepts Two Large Capacity Ducts.....	1,095.00	40.64
26 05 39 00-0020			Elbow Fittings (26 05 39 00-0001)		
26 05 39 00-0021			90 Degree Horizontal Elbow (26 05 39 00-0020)		
26 05 39 00-0022	EA		Underfloor Standard Duct Horizontal Elbow Fitting, 90 Degree .....	111.54	13.98
26 05 39 00-0023	EA		Underfloor Large Duct Horizontal Elbow Fitting, 90 Degree .....	114.86	13.98
26 05 39 00-0024			90 Degree Vertical Elbow (26 05 39 00-0020)		
26 05 39 00-0025	EA		Underfloor Standard Duct Vertical Elbow Fitting, 90 Degree .....	63.24	13.98
26 05 39 00-0026	EA		Underfloor Large Duct Vertical Elbow Fitting, 90 Degree .....	64.57	13.98
26 05 39 00-0027			Offset Elbow (26 05 39 00-0020)		
			Note: Two elbows required for crossover or crossunder.		
26 05 39 00-0028	EA		Underfloor Standard Duct Offset Elbow 45 Degree, 2 Required For Over-Under.....	63.24	16.26
26 05 39 00-0029	EA		Underfloor Large Duct Offset Elbow 45 Degree, 2 Required For Over-Under .....	64.57	16.26
26 05 39 00-0030			Couplings (26 05 39 00-0001)		
26 05 39 00-0031			Sleeve Couplings (26 05 39 00-0030)		
26 05 39 00-0032	EA		Underfloor Standard Duct Sleeve Coupling .....	41.50	21.67

**26 Electrical****26 05 Common Work Results for Electrical****26 05 39 Underfloor Raceways for Electrical Systems**
 MINOR  
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 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 05 39 00-0033	EA	Underfloor Large Duct Sleeve Coupling.....	64.83	21.67
<b>26 05 39 00-0034</b>		<b>Expansion Couplings</b> (26 05 39 00-0030)		
26 05 39 00-0035	EA	Underfloor Standard Duct Expansion Coupling .....	90.99	21.67
26 05 39 00-0036	EA	Underfloor Large Duct Expansion Coupling.....	92.65	22.87
<b>26 05 39 00-0037</b>		<b>Reducing Couplings</b> (26 05 39 00-0030)		
26 05 39 00-0038	EA	Reducing Coupling, Large To Standard Duct Underfloor Duct Coupling .....	85.57	3.25
<b>26 05 39 00-0039</b>		<b>Duct Supports</b> (26 05 39 00-0001)		
<b>26 05 39 00-0040</b>		<b>Combination Support And Coupling</b> (26 05 39 00-0039) Note: Includes leveling legs and anchoring feet.		
26 05 39 00-0041	EA	1 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet .....	95.32	45.51
26 05 39 00-0042	EA	2 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet .....	106.41	45.51
26 05 39 00-0043	EA	3 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet .....	117.57	45.51
26 05 39 00-0044	EA	1 Large Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet .....	106.41	50.94
26 05 39 00-0045	EA	2 Large Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet .....	128.99	50.94
26 05 39 00-0046	EA	1 Standard And 1 Large Duct Support And Coupling With Leveling Legs And Anchor Feet.....	117.57	54.18
26 05 39 00-0047	EA	2 Standard And 1 Large Duct Support And Coupling With Leveling Legs And Anchor Feet.....	117.57	54.18
26 05 39 00-0048	EA	1 Standard And 2 Large Duct Support And Coupling With Leveling Legs And Anchor Feet.....	128.99	54.18
<b>26 05 39 00-0049</b>		<b>Duct Support Only</b> (26 05 39 00-0039) Note: Includes leveling legs and anchoring feet.		
26 05 39 00-0050	EA	1 Underfloor Duct Support Only With Leveling Legs And Anchor Feet .....	85.70	40.10
26 05 39 00-0051	EA	2 Underfloor Duct Support Only With Leveling Legs And Anchor Feet .....	100.77	40.10
26 05 39 00-0052	EA	3 Underfloor Duct Support Only With Leveling Legs And Anchor Feet .....	116.92	40.10
<b>26 05 39 00-0053</b>		<b>Underfloor Duct Accessories</b> (26 05 39 00-0001)		
<b>26 05 39 00-0054</b>		<b>Plugs For Unused Junction Box Openings And Duct Ends</b> (26 05 39 00-0053)		
26 05 39 00-0055	EA	Standard Plugs For Unused Junction Box Opening And Underfloor Duct Ends .....	26.26	3.25
26 05 39 00-0056	EA	Large Plugs For Unused Junction Box Opening And Underfloor Duct Ends.....	26.83	3.25
<b>26 05 39 00-0057</b>		<b>Conduit Adapters</b> (26 05 39 00-0053)		
26 05 39 00-0058	EA	One 1-1/4" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter .....	33.18	5.42
26 05 39 00-0059	EA	Two 1-1/4" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter .....	35.30	5.42
26 05 39 00-0060	EA	One 2" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter.....	34.30	5.42
26 05 39 00-0061	EA	Three 1-1/4" Conduit To Large Duct Underfloor Conduit To Duct, Adapter .....	35.44	5.42
<b>26 05 39 00-0062</b>		<b>Holders And Caps</b> (26 05 39 00-0053)		
26 05 39 00-0063	EA	Tile Holder, Underfloor Duct Accessories .....	216.72	45.51
26 05 39 00-0064	EA	Terrazzo Holder, Underfloor Duct Accessories.....	408.07	45.51
26 05 39 00-0065	EA	Closing Caps For Inserts, Underfloor Duct Accessories .....	2.84	1.08
<b>26 05 39 00-0066</b>		<b>Underfloor Dust Pans</b> (26 05 39 00-0001)		
26 05 39 00-0067	EA	Underfloor Dust Carpet Pan.....	92.23	5.94
<b>26 05 43</b>		<b>Underground Ducts and Raceways for Electrical Systems</b> (26 05) Note: Includes warning tape.		
<b>26 05 43 00-0001</b>		<b>Precast Concrete Trenches, One Piece Pedestrian Trench</b> (26 05 43) Note: Rated for 200 PSF Pedestrian Weight. Excludes excavation, removal of dirt and sand bedding.		
<b>26 05 43 00-0002</b>		<b>10" Wide Pedestrian Trench</b> (26 05 43 00-0001)		
26 05 43 00-0003	LF	Base, Solid Bottom 10" Wide x 15" Deep Pedestrian Trench .....	74.15	
26 05 43 00-0004	LF	Base, Open Bottom 10" Wide x 15" Deep Pedestrian Trench .....	70.99	
26 05 43 00-0005	LF	Base, Solid Bottom 10" Wide x 24" Deep Pedestrian Trench .....	102.98	
26 05 43 00-0006	LF	Base, Open Bottom 10" Wide x 24" Deep Pedestrian Trench .....	98.59	
26 05 43 00-0007	EA	End Wall, 10" Wide x 15" Deep Pedestrian Trench .....	50.75	
26 05 43 00-0008	EA	End Wall, 10" Wide x 24" Deep Pedestrian Trench .....	60.49	
26 05 43 00-0009	LF	Lid, Concrete, 10" Wide Pedestrian Trench.....	49.44	
<b>26 05 43 00-0010</b>		<b>20" Wide Pedestrian Trench</b> (26 05 43 00-0001)		
26 05 43 00-0011	LF	Base, Solid Bottom 20" Wide x 15" Deep Pedestrian Trench .....	94.21	
26 05 43 00-0012	LF	Base, Open Bottom 20" Wide x 15" Deep Pedestrian Trench .....	88.62	
26 05 43 00-0013	LF	Base, Solid Bottom 20" Wide x 24" Deep Pedestrian Trench .....	127.86	
26 05 43 00-0014	LF	Base, Open Bottom 20" Wide x 24" Deep Pedestrian Trench .....	122.77	
26 05 43 00-0015	EA	End Wall, 20" Wide x 15" Deep Pedestrian Trench .....	63.73	
26 05 43 00-0016	EA	End Wall, 20" Wide x 24" Deep Pedestrian Trench .....	92.84	
26 05 43 00-0017	LF	Lid, Concrete, 20" Wide Pedestrian Trench.....	61.82	
<b>26 05 43 00-0018</b>		<b>30" Wide Pedestrian Trench</b> (26 05 43 00-0001)		
26 05 43 00-0019	LF	Base, Solid Bottom 30" Wide x 15" Deep Pedestrian Trench .....	120.87	



**26 Electrical****26 05 Common Work Results for Electrical****26 05 43 Underground Ducts and Raceways for Electrical Systems**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 43 00-0087			<b>20" Wide H20 Road Crossing Trench</b> (26 05 43 00-0071)		
26 05 43 00-0088	LF		Base, Solid Bottom for Concrete Lid, 20" Wide x 16" Deep Road Crossing Trench.....	204.05	
26 05 43 00-0089	LF		Base, Open Bottom for Concrete Lid, 20" Wide x 16" Deep Road Crossing Trench.....	194.62	
26 05 43 00-0090	LF		Base, Solid Bottom for Concrete Lid, 20" Wide x 24" Deep Road Crossing Trench.....	270.24	
26 05 43 00-0091	LF		Base, Open Bottom for Concrete Lid, 20" Wide x 24" Deep Road Crossing Trench.....	257.63	
26 05 43 00-0092	LF		Base, Solid Bottom for Galvanized Steel Lid, 20" Wide x 16" Deep Road Crossing Trench.....	204.05	
26 05 43 00-0093	LF		Base, Open Bottom for Galvanized Steel Lid, 20" Wide x 16" Deep Road Crossing Trench.....	194.62	
26 05 43 00-0094	LF		Base, Solid Bottom for Galvanized Steel Lid, 20" Wide x 24" Deep Road Crossing Trench.....	262.67	
26 05 43 00-0095	LF		Base, Open Bottom for Galvanized Steel Lid, 20" Wide x 24" Deep Road Crossing Trench.....	250.52	
26 05 43 00-0096	EA		End Wall for Concrete Lid, 20" Wide x 16" Deep Road Crossing Trench.....	182.08	
26 05 43 00-0097	EA		End Wall for Concrete Lid, 20" Wide x 24" Deep Road Crossing Trench.....	248.02	
26 05 43 00-0098	EA		End Wall for Galvanized Steel Lid, 20" Wide x 16" Deep Road Crossing Trench.....	164.59	
26 05 43 00-0099	EA		End Wall for Galvanized Steel Lid, 20" Wide x 24" Deep Road Crossing Trench.....	230.52	
26 05 43 00-0100	LF		Lid, Concrete 20" Wide Road Crossing Trench.....	99.35	
26 05 43 00-0101	LF		Lid, Galvanized Steel 20" Wide Road Crossing Trench.....	420.58	
26 05 43 00-0102			<b>30" Wide H20 Road Crossing Trench</b> (26 05 43 00-0071)		
26 05 43 00-0103	LF		Base, Solid Bottom for Concrete Lid, 30" Wide x 16" Deep Road Crossing Trench.....	241.74	
26 05 43 00-0104	LF		Base, Open Bottom for Concrete Lid, 30" Wide x 16" Deep Road Crossing Trench.....	230.95	
26 05 43 00-0105	LF		Base, Solid Bottom for Concrete Lid, 30" Wide x 24" Deep Road Crossing Trench.....	298.82	
26 05 43 00-0106	LF		Base, Open Bottom for Concrete Lid, 30" Wide x 24" Deep Road Crossing Trench.....	285.42	
26 05 43 00-0107	LF		Base, Solid Bottom for Galvanized Steel Lid, 30" Wide x 16" Deep Road Crossing Trench.....	234.16	
26 05 43 00-0108	LF		Base, Open Bottom for Galvanized Steel Lid, 30" Wide x 16" Deep Road Crossing Trench.....	223.82	
26 05 43 00-0109	LF		Base, Solid Bottom for Galvanized Steel Lid, 30" Wide x 24" Deep Road Crossing Trench.....	291.25	
26 05 43 00-0110	LF		Base, Open Bottom for Galvanized Steel Lid, 30" Wide x 24" Deep Road Crossing Trench.....	278.06	
26 05 43 00-0111	EA		End Wall for Concrete Lid, 30" Wide x 16" Deep Road Crossing Trench.....	243.28	
26 05 43 00-0112	EA		End Wall for Concrete Lid, 30" Wide x 24" Deep Road Crossing Trench.....	321.72	
26 05 43 00-0113	EA		End Wall for Galvanized Steel Lid, 30" Wide x 16" Deep Road Crossing Trench.....	220.30	
26 05 43 00-0114	EA		End Wall for Galvanized Steel Lid, 30" Wide x 24" Deep Road Crossing Trench.....	298.74	
26 05 43 00-0115	LF		Lid, Concrete 30" Wide Road Crossing Trench.....	125.65	
26 05 43 00-0116	LF		Lid, Galvanized Steel 30" Wide Road Crossing Trench.....	527.34	
26 05 43 00-0117			<b>40" Wide H20 Road Crossing Trench</b> (26 05 43 00-0071)		
26 05 43 00-0118	LF		Base, Solid Bottom for Concrete Lid, 40" Wide x 16" Deep Road Crossing Trench.....	267.52	
26 05 43 00-0119	LF		Base, Open Bottom for Concrete Lid, 40" Wide x 16" Deep Road Crossing Trench.....	255.92	
26 05 43 00-0120	LF		Base, Solid Bottom for Concrete Lid, 40" Wide x 24" Deep Road Crossing Trench.....	329.30	
26 05 43 00-0121	LF		Base, Open Bottom for Concrete Lid, 40" Wide x 24" Deep Road Crossing Trench.....	314.75	
26 05 43 00-0122	LF		Base, Solid Bottom for Galvanized Steel Lid, 40" Wide x 16" Deep Road Crossing Trench.....	259.94	
26 05 43 00-0123	LF		Base, Open Bottom for Galvanized Steel Lid, 40" Wide x 16" Deep Road Crossing Trench.....	248.82	
26 05 43 00-0124	LF		Base, Solid Bottom for Galvanized Steel Lid, 40" Wide x 24" Deep Road Crossing Trench.....	321.72	
26 05 43 00-0125	LF		Base, Open Bottom for Galvanized Steel Lid, 40" Wide x 24" Deep Road Crossing Trench.....	307.62	
26 05 43 00-0126	EA		End Wall for Concrete Lid, 40" Wide x 16" Deep Road Crossing Trench.....	302.04	
26 05 43 00-0127	EA		End Wall for Concrete Lid, 40" Wide x 24" Deep Road Crossing Trench.....	399.21	
26 05 43 00-0128	EA		End Wall for Galvanized Steel Lid, 40" Wide x 16" Deep Road Crossing Trench.....	273.84	
26 05 43 00-0129	EA		End Wall for Galvanized Steel Lid, 40" Wide x 24" Deep Road Crossing Trench.....	371.00	
26 05 43 00-0130	LF		Lid, Concrete 40" Wide Road Crossing Trench.....	151.84	
26 05 43 00-0131	LF		Lid, Galvanized Steel 40" Wide Road Crossing Trench.....	716.92	
26 05 43 00-0132			<b>Duct Bank</b> (26 05 43)		
			Note: Installation of single or multiple configuration underground utility raceways to have 3" concrete leveling base and encased in concrete envelope. Based on 100' run, minimum 30" bury depth. Includes installation in trench using the appropriate supports, cleaning to remove any obstructions and installation of nylon pull string. Excludes trenching, concrete, backfilling, grading and seeding. Duct Banks are to be installed according to the appropriate sections of the accompanying specifications. Individual rows to be stacked for larger duct bank configurations.		
26 05 43 00-0133			<b>Rigid Galvanized Steel Conduit, Galvanized Rigid Conduit (GRC) Or Rigid Galvanized Steel (RGS), Duct Bank</b> (26 05 43 00-0132)		
			Note: Includes appropriate spacers and fittings.		
26 05 43 00-0134	LF		2 At 2", Rigid Galvanized Conduit Duct Bank.....	40.88	
26 05 43 00-0135	LF		4 At 2", Rigid Galvanized Conduit Duct Bank.....	81.79	
26 05 43 00-0136	LF		2 At 3", Rigid Galvanized Conduit Duct Bank.....	85.43	
26 05 43 00-0137	LF		4 At 3", Rigid Galvanized Conduit Duct Bank.....	171.40	
26 05 43 00-0138	LF		2 At 4", Rigid Galvanized Conduit Duct Bank.....	126.02	
26 05 43 00-0139	LF		4 At 4", Rigid Galvanized Conduit Duct Bank.....	253.03	
26 05 43 00-0140	LF		6 At 4", Rigid Galvanized Conduit Duct Bank.....	379.50	
26 05 43 00-0141	LF		2 At 5", Rigid Galvanized Conduit Duct Bank.....	243.87	
26 05 43 00-0142	LF		4 At 5", Rigid Galvanized Conduit Duct Bank.....	486.74	
26 05 43 00-0143	LF		6 At 5", Rigid Galvanized Conduit Duct Bank.....	745.65	
26 05 43 00-0144	LF		2 At 6", Rigid Galvanized Conduit Duct Bank.....	345.83	
26 05 43 00-0145	LF		4 At 6", Rigid Galvanized Conduit Duct Bank.....	694.31	
26 05 43 00-0146	LF		6 At 6", Rigid Galvanized Conduit Duct Bank.....	1,035.49	
26 05 43 00-0147			<b>Polyvinyl Chloride (PVC), Type EB Duct Bank System</b> (26 05 43 00-0132)		
			Note: Includes appropriate spacers and fittings.		
26 05 43 00-0148	LF		1 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	6.95	
26 05 43 00-0149	LF		2 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	15.29	
26 05 43 00-0150	LF		4 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	29.34	
26 05 43 00-0151	LF		1 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	9.20	
26 05 43 00-0152	LF		2 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	18.38	
26 05 43 00-0153	LF		4 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	37.33	
26 05 43 00-0154	LF		1 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	12.29	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 43 00-0155	LF	2 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	24.59	
26 05 43 00-0156	LF	4 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	49.23	
26 05 43 00-0157	LF	6 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	73.81	
26 05 43 00-0158	LF	1 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	15.50	
26 05 43 00-0159	LF	2 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	30.98	
26 05 43 00-0160	LF	4 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	59.96	
26 05 43 00-0161	LF	6 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	84.97	
26 05 43 00-0162	LF	1 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	27.59	
26 05 43 00-0163	LF	2 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	41.94	
26 05 43 00-0164	LF	4 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	84.08	
26 05 43 00-0165	LF	6 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	136.02	

**26 05 43 00-0166 Polyvinyl Chloride (PVC), Type DB Duct Bank System (26 05 43 00-0132)**

Note: Includes appropriate spacers and fittings.

26 05 43 00-0167	LF	1 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank .....	7.73	
26 05 43 00-0168	LF	2 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank .....	16.89	
26 05 43 00-0169	LF	4 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank .....	32.33	
26 05 43 00-0170	LF	1 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank .....	9.55	
26 05 43 00-0171	LF	2 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank .....	19.08	
26 05 43 00-0172	LF	4 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank .....	38.04	
26 05 43 00-0173	LF	1 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank .....	12.57	
26 05 43 00-0174	LF	2 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank .....	25.16	
26 05 43 00-0175	LF	4 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank .....	50.36	
26 05 43 00-0176	LF	6 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank .....	75.52	
26 05 43 00-0177	LF	1 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank .....	15.93	
26 05 43 00-0178	LF	2 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank .....	31.83	
26 05 43 00-0179	LF	4 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank .....	61.67	
26 05 43 00-0180	LF	6 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank .....	87.54	
26 05 43 00-0181	LF	1 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank .....	28.19	
26 05 43 00-0182	LF	2 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank .....	43.17	
26 05 43 00-0183	LF	4 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank .....	86.54	
26 05 43 00-0184	LF	6 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank .....	139.72	

**26 05 43 00-0185 Male Or Female Adapters (26 05 43 00-0132)**

26 05 43 00-0186	EA	2" Adapter .....	39.84	
26 05 43 00-0187	EA	3" Adapter .....	60.84	
26 05 43 00-0188	EA	4" Adapter .....	79.83	
26 05 43 00-0189	EA	5" Adapter .....	132.71	
26 05 43 00-0190	EA	6" Adapter .....	161.74	

**26 05 46 Utility Poles for Electrical Systems (26 05 46)**

**26 05 46 00-0001 Wood Poles (26 05 46)**

**26 05 46 00-0002 Wood Pole, Class 3, Penta-Treated To 8 LB Retention (26 05 46 00-0001)**

Note: Machine dig and set.

26 05 46 00-0003	EA	25' Treated Wood Pole, Class 3, Machine Dig And Set.....	899.60	290.29
		For Class 1 Pole, Add	111.62	
		For Class 2 Pole, Add	63.78	
		For Class 4 Pole, Deduct	-31.89	
		For Class 5 Pole, Deduct	-95.67	
		For Class 6 Pole, Deduct	-127.56	
26 05 46 00-0004	EA	30' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,077.19	322.08
		For Class 1 Pole, Add	151.55	
		For Class 2 Pole, Add	86.60	
		For Class 4 Pole, Deduct	-43.30	
		For Class 5 Pole, Deduct	-129.90	
		For Class 6 Pole, Deduct	-173.20	
26 05 46 00-0005	EA	35' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,396.31	425.98
		For Class 1 Pole, Add	190.56	
		For Class 2 Pole, Add	108.89	
		For Class 4 Pole, Deduct	-54.45	
		For Class 5 Pole, Deduct	-163.34	
		For Class 6 Pole, Deduct	-217.79	
26 05 46 00-0006	EA	40' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,598.17	468.53
		For Class 1 Pole, Add	231.40	
		For Class 2 Pole, Add	132.23	
		For Class 4 Pole, Deduct	-66.12	
		For Class 5 Pole, Deduct	-198.35	
		For Class 6 Pole, Deduct	-264.46	
26 05 46 00-0007	EA	45' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,826.76	521.83
		For Class 1 Pole, Add	274.05	
		For Class 2 Pole, Add	156.60	
		For Class 4 Pole, Deduct	-78.30	
		For Class 5 Pole, Deduct	-234.90	
		For Class 6 Pole, Deduct	-313.20	
26 05 46 00-0008	EA	50' Treated Wood Pole, Class 3, Machine Dig And Set.....	2,078.72	585.65
		For Class 1 Pole, Add	317.61	
		For Class 2 Pole, Add	181.49	
		For Class 4 Pole, Deduct	-90.75	
		For Class 5 Pole, Deduct	-272.24	
		For Class 6 Pole, Deduct	-362.98	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 46 Utility Poles for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 46 00-0009	EA 55' Treated Wood Pole, Class 3, Machine Dig And Set.....	2,325.48	644.15
	For Class 1 Pole, Add	362.98	
	For Class 2 Pole, Add	207.42	
	For Class 4 Pole, Deduct	-103.71	
	For Class 5 Pole, Deduct	-311.13	
	For Class 6 Pole, Deduct	-414.84	
26 05 46 00-0010	EA 60' Treated Wood Pole, Class 3, Machine Dig And Set.....	2,599.07	708.35
	For Class 1 Pole, Add	413.80	
	For Class 2 Pole, Add	236.46	
	For Class 4 Pole, Deduct	-118.23	
	For Class 5 Pole, Deduct	-354.68	
	For Class 6 Pole, Deduct	-472.91	
26 05 46 00-0011	EA 65' Treated Wood Pole, Class 3, Machine Dig And Set.....	4,268.34	772.04
	For Class 1 Pole, Add	953.47	
	For Class 2 Pole, Add	544.84	
	For Class 4 Pole, Deduct	-272.42	
	For Class 5 Pole, Deduct	-817.26	
	For Class 6 Pole, Deduct	-1,089.68	
26 05 46 00-0012	EA 70' Treated Wood Pole, Class 3, Machine Dig And Set.....	4,688.12	821.27
	For Class 1 Pole, Add	1,065.94	
	For Class 2 Pole, Add	609.11	
	For Class 4 Pole, Deduct	-304.55	
	For Class 5 Pole, Deduct	-913.66	
	For Class 6 Pole, Deduct	-1,218.22	
26 05 46 00-0013	EA 75' Treated Wood Pole, Class 3, Machine Dig And Set.....	5,154.18	877.18
	For Class 1 Pole, Add	1,189.92	
	For Class 2 Pole, Add	679.95	
	For Class 4 Pole, Deduct	-339.98	
	For Class 5 Pole, Deduct	-1,019.93	
	For Class 6 Pole, Deduct	-1,359.90	
26 05 46 00-0014	<b>Removal And Relocation Of Wood Poles With Cross Arm</b> (26 05 46 00-0001)		
26 05 46 00-0015	LF Removal And Relocation Of Up To 75' Wood Pole With Cross Arms .....	24.74	
26 05 46 00-0016	<b>Crossarms</b> (26 05 46) Note: Includes hardware and braces.		
26 05 46 00-0017	<b>Wood Single Arm Crossarms</b> (26 05 46 00-0016)		
26 05 46 00-0018	EA 3-1/2" x 4-1/2" x 5'-7", Single Arm Wood Crossarm, With Hardware And Braces.....	213.46	86.58
26 05 46 00-0019	EA 3-1/2" x 4-1/2" x 8'-0", Single Arm Wood Crossarm, With Hardware And Braces.....	257.89	86.58
26 05 46 00-0020	EA 3-3/4" x 4-3/4" x 10'-0", Single Arm Wood Crossarm, With Hardware And Braces.....	270.66	111.32
26 05 46 00-0021	<b>Wood Double Arm Crossarms</b> (26 05 46 00-0016)		
26 05 46 00-0022	EA 3-1/2" x 4-1/2" x 5'-7", Double Arm Wood Crossarm, With Hardware And Braces.....	549.24	241.19
26 05 46 00-0023	EA 3-1/2" x 4-1/2" x 8'-0", Double Arm Wood Crossarm, With Hardware And Braces.....	584.96	241.19
26 05 46 00-0024	EA 3-3/4" x 4-3/4" x 10'-0", Double Arm Wood Crossarm, With Hardware And Braces.....	608.81	241.19
26 05 46 00-0025	<b>Fiberglass Crossarms</b> (26 05 46 00-0016) Note: Includes hardware.		
26 05 46 00-0026	<b>Single Phase, 15 Degree Angle</b> (26 05 46 00-0025)		
26 05 46 00-0027	EA Fiberglass Cutout And Arrestor Bracket, 18", Minimum Ultimate Load 800 LB.....	219.97	
26 05 46 00-0028	EA Fiberglass Insulator Bracket, 14", 11/16" Diameter Hole, Minimum Ultimate Load 1,200 LB .....	280.68	51.95
26 05 46 00-0029	EA Fiberglass Insulator Bracket, 14", 1" Lead Threaded, Minimum Ultimate Load 1,200 LB .....	293.05	55.65
26 05 46 00-0030	<b>Two Phase, 15 Degree Angle</b> (26 05 46 00-0025)		
26 05 46 00-0031	EA Fiberglass Insulator Bracket, 36", Minimum Ultimate Load 1,200 LB .....	351.01	66.79
26 05 46 00-0032	<b>Fiberglass Crossarm Accessories</b> (26 05 46 00-0025)		
26 05 46 00-0033	EA Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 7,000 LB Per Conductor .....	574.47	85.34
26 05 46 00-0034	EA Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 12,000 LB Per Conductor .....	681.71	103.90
26 05 46 00-0035	EA Pole Top Pin, Hot Dip Galvanized, 18", 1" Lead Threaded.....	99.91	14.84
26 05 46 00-0036	EA Three Phase Equipment Mounting Bracket .....	499.55	74.21
26 05 46 00-0037	EA Fiberglass Bull Horn Crossarm .....	398.67	123.69
26 05 46 00-0038	<b>Insulator Support System</b> (26 05 46 00-0016)		
26 05 46 00-0039	<b>Epoxy Construction Units, In Place Mounting</b> (26 05 46 00-0038) Note: Includes hardware.		
26 05 46 00-0040	EA 1-1/2" Diameter x 19" Long Pole Side Pins Vertical (1 Arm Installed), In Place Mounting .....	119.80	
26 05 46 00-0041	EA 1-1/2" Diameter x 15" Long Pole Top Pins, In Place Mounting .....	96.84	
26 05 46 00-0042	EA Deadend Arms, In Place Mounting .....	271.60	
26 05 46 00-0043	EA 1-1/2" Diameter x 18" Long Pole Side Pins Vertical (2 Arms Installed), In Place Mounting .....	189.59	
26 05 46 00-0044	<b>Epoxy Construction Units, Grounding Mounting</b> (26 05 46 00-0038) Note: Includes hardware.		
26 05 46 00-0045	EA 1-1/2" Diameter x 18" Long Pole Side Pins Vertical, Grounding Mounting .....	84.00	
26 05 46 00-0046	EA 1-1/2" Diameter x 15" Long Pole Top Pins, Grounding Mounting .....	72.97	
26 05 46 00-0047	EA Deadend Arms, Grounding Mounting.....	247.73	



	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 46 00-0048			<b>Guying</b> <small>(26 05 46)</small> Note: Includes cable, anchor and rod assembly, guy marker.		
26 05 46 00-0049			<b>Down Guy</b> <small>(26 05 46 00-0048)</small>		
26 05 46 00-0050	EA		Down Guy For 25' To 40' Pole.....	852.86	346.32
26 05 46 00-0051	EA		Down Guy For 45' To 60' Pole.....	868.08	346.32
26 05 46 00-0052	EA		Down Guy For 65' To 75' Pole.....	899.39	346.32
26 05 46 00-0053	EA		Guy Guard, Plastic.....	34.30	
26 05 46 00-0054			<b>Head Guy, 50' Spans</b> <small>(26 05 46 00-0048)</small>		
26 05 46 00-0055	EA		Head Guy (50' Span), For 25' To 40' Pole.....	1,230.81	531.85
26 05 46 00-0056	EA		Head Guy (50' Span), For 45' To 60' Pole.....	1,230.81	531.85
26 05 46 00-0057	EA		Head Guy (50' Span), For 65' To 75' Pole.....	1,230.81	531.85
26 05 46 00-0058			<b>Guy Strain Insulators Additional Insulators</b> <small>(26 05 46 00-0048)</small> Note: As required at same material cost and labor.		
26 05 46 00-0059	EA		Guy Strain Insulator.....	524.95	259.75
26 05 46 00-0060			<b>Pole Anchor</b> <small>(26 05 46 00-0048)</small> Note: Joslyn.		
26 05 46 00-0061	EA		Pole Anchor, 4" Helix, 3/4" x 54" Shaft.....	58.12	25.39
26 05 46 00-0062	EA		Pole Anchor, 6" Helix, 3/4" x 66" Shaft.....	65.70	25.39
26 05 46 00-0063	EA		Pole Anchor, 8" Helix, 1" x 66" Shaft.....	87.49	28.56
26 05 46 00-0064	EA		Pole Anchor, 10" Helix, 1-1/4" x 66" Shaft.....	122.73	31.74
26 05 46 00-0065	EA		Pole Anchor, 10" Helix, 1-1/4" x 8' Shaft.....	140.14	34.91
26 05 46 00-0066	EA		Pole Anchor, 16" Helix, 1-1/4" x 8' Shaft.....	224.64	47.61
26 05 46 00-0067			<b>Insulators</b> <small>(26 05 46)</small>		
26 05 46 00-0068			<b>Pin Insulator With Pin</b> <small>(26 05 46 00-0067)</small>		
26 05 46 00-0069	EA		5 KV Class 55-3, Pin Insulator With Pin.....	170.55	74.21
26 05 46 00-0070	EA		15 KV Class 55-5, Pin Insulator With Pin.....	178.05	74.21
26 05 46 00-0071			<b>Suspension Insulator</b> <small>(26 05 46 00-0067)</small> Note: Includes clevis and strain clamp.		
26 05 46 00-0072	EA		5 KV Class 52-2, Suspension Insulator, With Clevis And Strain Clamp.....	220.54	98.95
26 05 46 00-0073	EA		15 KV Class 52-4, Suspension Insulator, With Clevis And Strain Clamp.....	240.91	98.95
26 05 46 00-0074	EA		25 KV Class 2 x 52-4, Suspension Insulator, With Clevis And Strain Clamp.....	345.80	123.69
26 05 46 00-0075	EA		50 KV Class 4 x 52-4, Suspension Insulator, With Clevis And Strain Clamp.....	558.63	197.90
26 05 46 00-0076			<b>Spool Insulator With Clevis</b> <small>(26 05 46 00-0067)</small>		
26 05 46 00-0077	EA		5 KV Class 53-5, Spool Insulator With Clevis.....	73.44	30.92
26 05 46 00-0078	EA		15 KV Class, Spool Insulator With Clevis.....	238.06	111.32
26 05 46 00-0079	EA		25 KV Class, Spool Insulator With Clevis.....	308.01	111.32
26 05 46 00-0080			<b>Secondary Rack</b> <small>(26 05 46 00-0067)</small>		
26 05 46 00-0081	EA		1 Spool Secondary Rack.....	145.42	61.84
26 05 46 00-0082	EA		2 Spool Secondary Rack.....	152.00	78.91
26 05 46 00-0083	EA		3 Spool Secondary Rack.....	227.24	105.13
26 05 46 00-0084	EA		4 Spool Secondary Rack.....	254.38	105.13
26 05 46 00-0085			<b>Outdoor Load Break Switches</b> <small>(26 05 46)</small> Note: 3-Phase, group operated, 3-insulator, vertical break, high strength pin insulators worm gear operating mechanism operating rods, mechanisms, and switch bases are galvanized steel.		
26 05 46 00-0086			<b>7.2 KV Outdoor Load Break Switches</b> <small>(26 05 46 00-0085)</small>		
26 05 46 00-0087	EA		600 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	4,136.62	420.53
26 05 46 00-0088	EA		1,200 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	8,072.35	420.53
26 05 46 00-0089	EA		1,600 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	12,020.04	711.19
26 05 46 00-0090	EA		2,000 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	12,275.80	711.19
26 05 46 00-0091			<b>14.4 KV Outdoor Load Break Switches</b> <small>(26 05 46 00-0085)</small>		
26 05 46 00-0092	EA		600 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	5,045.10	420.53
26 05 46 00-0093	EA		1,200 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	9,530.35	420.53
26 05 46 00-0094	EA		1,600 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	12,020.04	711.19
26 05 46 00-0095	EA		2,000 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	12,275.80	711.19
26 05 46 00-0096			<b>23 KV Outdoor Load Break Switches</b> <small>(26 05 46 00-0085)</small>		
26 05 46 00-0097	EA		600 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	5,565.92	488.56
26 05 46 00-0098	EA		1,200 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	10,430.70	488.56
26 05 46 00-0099	EA		1,600 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	12,570.98	841.06
26 05 46 00-0100	EA		2,000 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	12,835.10	841.06

**26 Electrical****26 05 Common Work Results for Electrical****26 05 46 Utility Poles for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 05 46 00-0101		Square Distribution Poles (26 05 46)		
26 05 46 00-0102		Square Steel Tapered Shaft Distribution Poles (26 05 46 00-0101)		
26 05 46 00-0103	EA	20', Steel Taped Shaft Distribution Pole.....	3,186.05	525.67
26 05 46 00-0104	EA	25', Steel Taped Shaft Distribution Pole.....	3,562.85	556.59
26 05 46 00-0105	EA	30', Steel Taped Shaft Distribution Pole.....	3,865.92	618.43
26 05 46 00-0106	EA	35', Steel Taped Shaft Distribution Pole.....	4,277.72	680.28
26 05 46 00-0107	EA	40', Steel Taped Shaft Distribution Pole.....	5,796.92	742.12
26 05 46 00-0108		Square Prestressed Concrete Distribution Poles (26 05 46 00-0101)		
26 05 46 00-0109	EA	30', Prestressed Concrete Square Pole For Distribution.....	4,504.14	920.76
26 05 46 00-0110	EA	35', Prestressed Concrete Square Pole For Distribution.....	5,084.49	1,009.88
26 05 46 00-0111	EA	40', Prestressed Concrete Square Pole For Distribution.....	5,963.51	1,128.68
26 05 46 00-0112	EA	45', Prestressed Concrete Square Pole For Distribution.....	6,718.87	1,247.50
26 05 46 00-0113	EA	50', Prestressed Concrete Square Pole For Distribution.....	5,566.53	1,514.81
26 05 46 00-0114	EA	55', Prestressed Concrete Square Pole For Distribution.....	9,475.51	1,782.13
26 05 46 00-0115	EA	60', Prestressed Concrete Square Pole For Distribution.....	11,176.34	2,019.75
26 05 46 00-0116	EA	65', Prestressed Concrete Square Pole For Distribution.....	13,492.66	2,494.98
26 05 46 00-0117	EA	70', Prestressed Concrete Square Pole For Distribution.....	15,111.39	2,732.60
26 05 46 00-0118		Aluminum Tapered Poles (26 05 46)		
26 05 46 00-0119		Aluminum Tapered Round Seamless Shaft Poles (26 05 46 00-0118)		
26 05 46 00-0120	EA	20', Aluminum Tapered Round Seamless Shaft Pole For Distribution.....	2,524.48	463.83
26 05 46 00-0121	EA	25', Aluminum Tapered Round Seamless Shaft Pole For Distribution.....	3,472.04	494.74
26 05 46 00-0122	EA	30', Aluminum Tapered Round Seamless Shaft Pole For Distribution.....	3,987.25	556.59
26 05 46 00-0123	EA	35', Aluminum Tapered Round Seamless Shaft Pole For Distribution.....	4,709.21	618.43
26 05 46 00-0124	EA	40', Aluminum Tapered Round Seamless Shaft Pole For Distribution.....	7,004.06	680.28
26 05 46 00-0125		Steel Service Poles Distribution (26 05 46)		
Note: Direct embedded, bearing plate on base end, pole cap on top end, grounding nut, galvanized finish.				
26 05 46 00-0126		Round Tapered Pole (26 05 46 00-0125)		
26 05 46 00-0127	EA	40', Galvanized Steel Tapered Round Pole For Distribution.....	3,597.79	742.12
26 05 46 00-0128	EA	45', Galvanized Steel Tapered Round Pole For Distribution.....	4,147.14	803.97
26 05 46 00-0129	EA	50', Galvanized Steel Tapered Round Pole For Distribution.....	4,423.76	865.80
26 05 46 00-0130	EA	55', Galvanized Steel Tapered Round Pole For Distribution.....	5,193.28	989.49
26 05 46 00-0131	EA	60', Galvanized Steel Tapered Round Pole For Distribution.....	6,361.25	1,113.18
26 05 46 00-0132	EA	65', Galvanized Steel Tapered Round Pole For Distribution.....	7,532.96	1,396.00
26 05 46 00-0133	EA	70', Galvanized Steel Tapered Round Pole For Distribution.....	8,402.96	1,583.72
26 05 46 00-0134	EA	75', Galvanized Steel Tapered Round Pole For Distribution.....	9,299.25	1,782.13
26 05 46 00-0135	EA	80', Galvanized Steel Tapered Round Pole For Distribution.....	10,456.66	2,019.75
26 05 46 00-0136	EA	85', Galvanized Steel Tapered Round Pole For Distribution.....	11,166.79	2,138.56
26 05 46 00-0137	EA	90', Galvanized Steel Tapered Round Pole For Distribution.....	12,151.73	2,376.18
26 05 46 00-0138	EA	95', Galvanized Steel Tapered Round Pole For Distribution.....	13,372.75	2,673.19
26 05 46 00-0139	EA	100', Galvanized Steel Tapered Round Pole For Distribution.....	14,819.63	3,029.62
26 05 46 00-0140		12 Sided Tapered (26 05 46 00-0125)		
26 05 46 00-0141	EA	40', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	5,863.03	742.12
26 05 46 00-0142	EA	45', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	6,461.46	803.97
26 05 46 00-0143	EA	50', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	7,142.17	865.80
26 05 46 00-0144	EA	55', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	7,868.78	989.49
26 05 46 00-0145	EA	60', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	10,346.97	1,113.18
26 05 46 00-0146	EA	65', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	11,543.20	1,396.00
26 05 46 00-0147	EA	70', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	13,356.02	1,583.72
26 05 46 00-0148	EA	75', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	14,408.43	1,782.13
26 05 46 00-0149	EA	80', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	15,559.43	2,019.75
26 05 46 00-0150	EA	85', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	16,487.25	2,138.56
26 05 46 00-0151	EA	90', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	18,693.58	2,376.18
26 05 46 00-0152	EA	95', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	19,896.27	2,673.19
26 05 46 00-0153	EA	100', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	21,385.98	3,029.62
26 05 46 00-0154	EA	105', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	22,968.76	3,386.05
26 05 46 00-0155		Standard Options For Round, 12 Sided and Octagonal Tapered Poles (26 05 46 00-0125)		
26 05 46 00-0156	EA	Ladder Clips.....	19.32	
26 05 46 00-0157	EA	Coal Tar Epoxy Coating From Base To 1' Above Ground Line.....	144.96	
26 05 46 00-0158	EA	Ground Sleeve-2' At Ground Line.....	145.80	
26 05 46 00-0159		Arms With Baseplates And Endplates (26 05 46 00-0125)		
26 05 46 00-0160	EA	4' Arm With Baseplate And Endplate.....	690.16	123.69
26 05 46 00-0161	EA	5' Arm With Baseplate And Endplate.....	750.19	123.69
26 05 46 00-0162	EA	6' Arm With Baseplate And Endplate.....	934.88	185.53
26 05 46 00-0163	EA	7' Arm With Baseplate And Endplate.....	987.39	185.53
26 05 46 00-0164	EA	8' Arm With Baseplate And Endplate.....	1,170.17	247.38
26 05 46 00-0165	EA	9' Arm With Baseplate And Endplate.....	1,230.18	247.38
26 05 46 00-0166	EA	10' Arm With Baseplate And Endplate.....	1,631.58	309.21
26 05 46 00-0167	EA	11' Arm With Baseplate And Endplate.....	1,698.94	309.21

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 05 46 00-0168 Standard Vangs Load Bearing At Any Angle (26 05 46 00-0125)</b>				
	EA	15,000 LB Standard Vangs Load Bearing At Any Angle.....	296.89	123.69
	EA	30,000 LB Standard Vangs Load Bearing At Any Angle.....	333.67	123.69
	EA	45,000 LB Standard Vangs Load Bearing At Any Angle.....	383.97	123.69
<b>26 05 46 00-0172 Armless Construction Brackets (26 05 46 00-0125)</b>				
<b>26 05 46 00-0173 Verticals Insulator And Equipment Bracket (26 05 46 00-0172)</b>				
	EA	7" 1 Position Vertical Insulation And Equipment Bracket.....	302.89	123.69
	EA	12" 1 Position Vertical Insulation And Equipment Bracket.....	326.11	123.69
	EA	12" 3 Position Vertical Insulation And Equipment Bracket.....	363.85	123.69
	EA	18" 1 Position Vertical Insulation And Equipment Bracket.....	512.19	185.53
	EA	18" 3 Position Vertical Insulation And Equipment Bracket.....	534.23	185.53
<b>26 05 46 00-0179 Horizontal And Multiple Insulator Brackets (26 05 46 00-0172)</b>				
	EA	Sidepole 1 7/8" Clearance Horizontal And Multiple Insulation Brackets.....	284.81	123.69
	EA	Sidepole 2" Clearance Horizontal And Multiple Insulation Brackets.....	333.61	123.69
	EA	Sidepole 9" Clearance Horizontal And Multiple Insulation Brackets.....	488.56	185.53
	EA	Sidepole 10" Clearance Horizontal And Multiple Insulation Brackets.....	603.73	185.53
	EA	Sidepole 15" Clearance Horizontal And Multiple Insulation Brackets.....	775.42	247.38
	EA	Sidepole 20" Clearance Horizontal And Multiple Insulation Brackets.....	836.54	247.38
<b>26 05 46 00-0186 Pole Top Bracket And Pins (26 05 46 00-0172)</b>				
	EA	Pole Top Pin - 5".....	291.89	123.69
	EA	Pole Top Bracket - 5".....	303.74	123.69
<b>26 05 46 00-0189 Angle Pins (26 05 46 00-0172)</b>				
	EA	Angle Pin - 25 Degree, 6".....	290.29	123.69
	EA	Angle Pin - 25 Degree, 7 1/4".....	328.77	123.69
<b>26 05 46 00-0192 Static And Neutral Wire Brackets (26 05 46 00-0172)</b>				
	EA	Neutral Wire Extension Bracket.....	306.22	123.69
	EA	Static Wire Support Bracket.....	310.43	123.69
<b>26 05 46 00-0195 Cutout, Arrestor And Terminator Brackets (26 05 46 00-0172)</b>				
	EA	Cutout And Arrestor, With Mounting Bracket.....	276.14	123.69
	EA	Equipment Mounting T Bracket.....	294.96	123.69
	EA	15 KV Cutout.....	381.10	
	EA	9/10 KV Arrestor.....	354.62	123.69
<b>26 05 46 00-0200 Spacer Cable, Conduit Support And Cluster Bracket (26 05 46 00-0172)</b>				
	EA	Parallel Cable Spacer.....	336.49	123.69
	EA	Conduit Standoff Support Bracket.....	323.03	123.69
	EA	Three Transformer Pole Mounted Cluster Bracket.....	789.90	123.69
<b>26 05 46 00-0204 15 KV, 200 Amperes, Solenoid Operated High Voltage Switch (26 05 46 00-0172)</b>				
Note: Includes pole mounting bracket.				
	EA	15 KV, 1 Phase, Solenoid Switch With Pole Bracket.....	1,784.86	309.21
<b>26 05 46 00-0206 Octagonal Tapered (26 05 46 00-0125)</b>				
	EA	40', Galvanized Steel Tapered Octagonal Pole For Distribution.....	6,031.39	742.12
	EA	45', Galvanized Steel Tapered Octagonal Pole For Distribution.....	6,648.20	803.97
	EA	50', Galvanized Steel Tapered Octagonal Pole For Distribution.....	7,350.34	865.80
	EA	55', Galvanized Steel Tapered Octagonal Pole For Distribution.....	8,095.31	1,051.33
	EA	60', Galvanized Steel Tapered Octagonal Pole For Distribution.....	10,659.22	1,113.18
	EA	65', Galvanized Steel Tapered Octagonal Pole For Distribution.....	11,879.94	1,396.00
	EA	70', Galvanized Steel Tapered Octagonal Pole For Distribution.....	13,747.86	1,485.11
	EA	75', Galvanized Steel Tapered Octagonal Pole For Distribution.....	14,826.29	1,782.13
	EA	80', Galvanized Steel Tapered Octagonal Pole For Distribution.....	16,001.77	1,900.94
	EA	85', Galvanized Steel Tapered Octagonal Pole For Distribution.....	16,955.62	2,138.56
	EA	90', Galvanized Steel Tapered Octagonal Pole For Distribution.....	19,227.77	2,257.36
	EA	95', Galvanized Steel Tapered Octagonal Pole For Distribution.....	20,458.01	2,673.19
	EA	100', Galvanized Steel Tapered Octagonal Pole For Distribution.....	21,975.26	2,851.41
	EA	105', Galvanized Steel Tapered Octagonal Pole For Distribution.....	23,588.66	3,207.83
<b>26 05 46 00-0221 Removal And Relocation Of Steel Service Poles (26 05 46 00-0125)</b>				
	LF	Removal And Relocation Of Steel Service Poles With Arms Up To 60'.....	43.28	
<b>26 05 46 00-0223 Special Steel Bases For Poles (26 05 46 00-0125)</b>				
	EA	Spin-In Steel Base For Poles.....	245.60	
	EA	Series 3, 25' Pole And less.....	271.32	61.84
	EA	Series 4, 40' Pole And less.....	322.68	71.12

**26 Electrical**  
**26 05 Common Work Results for Electrical**  
**26 05 46 Utility Poles for Electrical Systems**



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 46 00-0227	EA	Series 5, 50' Pole And less .....	367.86	77.31
<b>26 05 46 00-0228</b>		<b>Primary Fuse Cutouts</b> <small>(26 05 46)</small>		
		Note: Interrupting rating RMS, amperes - 25,000 symmetric and 40,000 asymmetric.		
<b>26 05 46 00-0229</b>		<b>Non-Loadbreak Current Limiting Primary Fuse Cutouts</b> <small>(26 05 46 00-0228)</small>		
		Note: Includes the fuse and cut-out switch.		
<b>26 05 46 00-0230</b>		<b>8.3 KV-95 KV-BIL Non-Loadbreak Current Limiting</b> <small>(26 05 46 00-0229)</small>		
26 05 46 00-0231	EA	15 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting .....	614.64	309.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	148.42	
26 05 46 00-0232	EA	25 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting .....	738.33	309.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	185.53	
26 05 46 00-0233	EA	40 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting .....	861.60	309.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	222.51	
26 05 46 00-0234	EA	100 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting .....	873.22	309.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	222.65	
26 05 46 00-0235	EA	200 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting .....	873.22	309.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	222.65	
<b>26 05 46 00-0236</b>		<b>17.1 KV-95 KV-BIL Non-Loadbreak Current Limiting</b> <small>(26 05 46 00-0229)</small>		
26 05 46 00-0237	EA	15 A Primary Fuse Cutout 17.1 KV - 95 KV Non-Loadbreak Current Limiting .....	614.64	247.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	148.42	
<b>26 05 46 00-0238</b>		<b>17.1 KV-125 KV-BIL Non-Loadbreak Current Limiting</b> <small>(26 05 46 00-0229)</small>		
26 05 46 00-0239	EA	15 A Primary Fuse Cutout 17.1 KV - 125 KV Non-Loadbreak Current Limiting .....	629.76	247.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	148.42	
<b>26 05 46 00-0240</b>		<b>Fuseholders</b> <small>(26 05 46 00-0229)</small>		
		Note: Including current limiting fuse.		
26 05 46 00-0241	EA	15 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting .....	550.91	309.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	148.42	
26 05 46 00-0242	EA	25 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting .....	674.60	309.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	185.53	
26 05 46 00-0243	EA	40 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting .....	797.87	309.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	222.51	
26 05 46 00-0244	EA	100 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting .....	556.15	309.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	148.42	
26 05 46 00-0245	EA	200 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting .....	679.84	309.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	185.53	
26 05 46 00-0246	EA	15 A 17.1 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting .....	550.91	247.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	148.42	
<b>26 05 46 00-0247</b>		<b>Accessories</b> <small>(26 05 46 00-0229)</small>		
26 05 46 00-0248	EA	Hot Line Clamp .....	77.44	27.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.55	
26 05 46 00-0249	EA	Stirrup .....	82.24	27.83
<b>26 05 46 00-0250</b>		<b>Loadbreak Current Limiting Primary Fuse Cutouts</b> <small>(26 05 46 00-0228)</small>		
		Note: Includes fuse, cutout switch, crossarm mounting bracket and fuse holder.		
<b>26 05 46 00-0251</b>		<b>8.3 KV-95 KV BIL Loadbreak Current Limiting</b> <small>(26 05 46 00-0250)</small>		
26 05 46 00-0252	EA	15 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting .....	732.38	309.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	148.42	
26 05 46 00-0253	EA	25 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting .....	856.07	309.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	185.53	
26 05 46 00-0254	EA	40 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting .....	979.34	309.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	222.51	
26 05 46 00-0255	EA	100 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting .....	1,001.94	309.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	222.65	
26 05 46 00-0256	EA	200 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting .....	1,001.94	309.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	222.65	
<b>26 05 46 00-0257</b>		<b>17.1 KV-95 KV BIL Loadbreak Current Limiting</b> <small>(26 05 46 00-0250)</small>		
26 05 46 00-0258	EA	15 A Primary Fuse Cutout 17.1 KV - 95 KV Loadbreak Current Limiting .....	732.38	247.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	148.42	
<b>26 05 46 00-0259</b>		<b>17.1 KV-125 KV BIL Loadbreak Current Limiting</b> <small>(26 05 46 00-0250)</small>		
26 05 46 00-0260	EA	15 A Primary Fuse Cutout 17.1 KV - 125 KV Loadbreak Current Limiting .....	732.38	247.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	148.42	
<b>26 05 46 00-0261</b>		<b>Fuseholders</b> <small>(26 05 46 00-0250)</small>		
		Note: Includes current limiting fuses.		
26 05 46 00-0262	EA	15 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting .....	556.31	309.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	148.42	
26 05 46 00-0263	EA	25 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting .....	680.00	309.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	185.53	

		TOTAL DIRECT	DEMOLITION
MINOR	DESCRIPTION	UNIT COST	UNIT COST
26 05 46 00-0264	EA 40 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	803.27 222.51	309.21
26 05 46 00-0265	EA 15 Amperes, 17.1 KV Primary Fuseholder With Fuse Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	556.31 148.42	309.21
<b>26 05 46 00-0266</b>	<b>Pole Mounted Capacitors (26 05 46 00-0265)</b>		
26 05 46 00-0267	EA Capacitors - Pole Mounted 6 KVAR.....	1,169.80	249.35
<b>26 05 46 00-0268</b>	<b>Pole Structure Assemblies (26 05 46 00-0228)</b>		
<b>26 05 46 00-0269</b>	<b>5 KV Pole Structure Assemblies (26 05 46 00-0268)</b>		
	Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 05 46 00-0270	EA Type OH-1, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	490.50	235.01
26 05 46 00-0271	EA Type OH-2, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	821.54	395.79
26 05 46 00-0272	EA Type OH-3, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	833.34	309.21
26 05 46 00-0273	EA Type OH-4, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	459.79	160.79
26 05 46 00-0274	EA Type OH-5, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	599.45	222.64
26 05 46 00-0275	EA Type OH-6, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,090.87	445.27
26 05 46 00-0276	EA Type OH-7, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	842.94	333.95
26 05 46 00-0277	EA Type OH-8, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,590.62	667.91
26 05 46 00-0278	EA Type OH-9, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,799.86	754.49
26 05 46 00-0279	EA Type OH-10, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	957.02	371.06
26 05 46 00-0280	EA Type OH-11, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	869.07	395.79
26 05 46 00-0281	EA Type OH-12, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,678.16	803.97
26 05 46 00-0282	EA Type OH-13, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,185.36	482.38
26 05 46 00-0283	EA Type OH-14, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	771.41	346.32
26 05 46 00-0284	EA Type OH-15, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,496.20	705.01
26 05 46 00-0285	EA Type OH-16, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,083.40	358.69
<b>26 05 46 00-0286</b>	<b>15 KV Pole Structure Assemblies (26 05 46 00-0268)</b>		
	Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 05 46 00-0287	EA Type OH-1, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	505.63	235.01
26 05 46 00-0288	EA Type OH-2, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	843.14	395.79
26 05 46 00-0289	EA Type OH-3, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	906.79	309.21
26 05 46 00-0290	EA Type OH-4, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	485.71	160.79
26 05 46 00-0291	EA Type OH-5, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	636.17	210.27
26 05 46 00-0292	EA Type OH-6, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,164.32	445.27
26 05 46 00-0293	EA Type OH-7, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	896.95	333.95
26 05 46 00-0294	EA Type OH-8, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,700.80	667.91
26 05 46 00-0295	EA Type OH-9, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,948.93	754.49
26 05 46 00-0296	EA Type OH-10, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,030.47	371.06
26 05 46 00-0297	EA Type OH-11, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	897.15	395.79
26 05 46 00-0298	EA Type OH-12, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,706.24	803.97
26 05 46 00-0299	EA Type OH-13, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,241.53	482.38
26 05 46 00-0300	EA Type OH-14, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	799.49	333.95
26 05 46 00-0301	EA Type OH-15, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,524.28	705.01
26 05 46 00-0302	EA Type OH-16, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,139.57	432.90
<b>26 05 46 00-0303</b>	<b>25 KV Pole Structure Assemblies (26 05 46 00-0268)</b>		
	Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 05 46 00-0304	EA Type OH-3, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,287.55	371.06
26 05 46 00-0305	EA Type OH-4, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	758.65	185.53
26 05 46 00-0306	EA Type OH-5, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,106.34	284.47
26 05 46 00-0307	EA Type OH-6, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,607.50	581.33
26 05 46 00-0308	EA Type OH-7, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,440.63	432.90
26 05 46 00-0309	EA Type OH-8, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,448.99	853.43
26 05 46 00-0310	EA Type OH-9, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,440.79	964.75
26 05 46 00-0311	EA Type OH-13, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,642.07	562.77
26 05 46 00-0312	EA Type OH-16, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,457.92	562.77
<b>26 05 46 00-0313</b>	<b>50 KV Pole Structure Assemblies (26 05 46 00-0268)</b>		
	Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 05 46 00-0314	EA Type OH-3, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,730.43	507.11
26 05 46 00-0315	EA Type OH-4, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	926.79	259.75
26 05 46 00-0316	EA Type OH-5, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,241.53	408.16
26 05 46 00-0317	EA Type OH-6, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,370.72	828.69
26 05 46 00-0318	EA Type OH-7, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,807.20	618.43
26 05 46 00-0319	EA Type OH-8, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	3,508.54	1,236.86
26 05 46 00-0320	EA Type OH-9, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	4,083.69	1,372.91
26 05 46 00-0321	EA Type OH-10, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,057.27	667.91
26 05 46 00-0322	EA Type OH-13, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,148.82	773.04
26 05 46 00-0323	EA Type OH-16, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,057.87	729.75
<b>26 05 46 00-0324</b>	<b>Overhead To Underground Conversion Structures (26 05 46 00-0228)</b>		
	Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination and neutral wire brackets. Excludes pole.		
<b>26 05 46 00-0325</b>	<b>5 KV Structures (26 05 46 00-0324)</b>		
	Note: Excludes pole.		
26 05 46 00-0326	EA (3 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles .....	4,624.70	2,473.72

**26 Electrical****26 05 Common Work Results for Electrical****26 05 46 Utility Poles for Electrical Systems**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 05 46 00-0327	EA	(3 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles	4,624.70	2,473.72
26 05 46 00-0328	EA	(4 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles	4,624.70	2,473.72
26 05 46 00-0329	EA	(4 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles	4,624.70	2,473.72

**26 05 46 00-0330 15 KV Structures** (26 05 46 00-0324)

Note: Excludes pole.

26 05 46 00-0331	EA	(3 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles	4,726.35	2,473.72
26 05 46 00-0332	EA	(3 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles	4,726.35	2,473.72
26 05 46 00-0333	EA	(4 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles	4,726.35	2,473.72
26 05 46 00-0334	EA	(4 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles	4,726.35	2,473.72

**26 05 46 00-0335 25 KV Structures** (26 05 46 00-0324)

Note: Excludes pole.

26 05 46 00-0336	EA	(3 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles	4,837.24	2,473.72
26 05 46 00-0337	EA	(3 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles	4,837.24	2,473.72
26 05 46 00-0338	EA	(4 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles	4,837.24	2,473.72
26 05 46 00-0339	EA	(4 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles	4,837.24	2,473.72

**26 05 46 00-0340 Transformer Stations** (26 05 46 00-0228)

Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination, neutral wire brackets and transformer mounting bracket(s). Excludes pole and transformer.

**26 05 46 00-0341 5 KV Station** (26 05 46 00-0340)

26 05 46 00-0342	EA	(Single Transformer, 1 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole	6,315.12	3,296.54
26 05 46 00-0343	EA	(Double Transformer, 1 Phase, 3 Wire Tangent), 5 KV Transformer Station Without Pole	7,090.64	3,709.84
26 05 46 00-0344	EA	(Triple Transformer, 3 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole	7,866.17	4,122.87
26 05 46 00-0345	EA	(Triple Transformer, 3 Phase, 4 Wire Dead End), 5 KV Transformer Station Without Pole	7,866.17	4,122.87
26 05 46 00-0346	EA	(Single Transformer, 1 Phase, 2 Wire Tangent), 5 KV Transformer Station Without Pole	6,315.12	3,296.54

**26 05 46 00-0347 15 KV Stations** (26 05 46 00-0340)

26 05 46 00-0348	EA	(Single Transformer, 1 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole	6,416.77	3,296.54
26 05 46 00-0349	EA	(Double Transformer, 1 Phase, 3 Wire Tangent), 15 KV Transformer Station Without Pole	7,192.30	3,709.84
26 05 46 00-0350	EA	(Triple Transformer, 3 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole	7,967.82	4,122.87
26 05 46 00-0351	EA	(Triple Transformer, 3 Phase, 4 Wire Dead End), 15 KV Transformer Station Without Pole	7,967.82	4,122.87
26 05 46 00-0352	EA	(Single Transformer, 1 Phase, 2 Wire Tangent), 15 KV Transformer Station Without Pole	6,416.77	3,296.54

**26 05 46 00-0353 25 KV Stations** (26 05 46 00-0340)

26 05 46 00-0354	EA	(Single Transformer, 1 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole	6,527.66	3,296.54
26 05 46 00-0355	EA	(Double Transformer, 1 Phase, 3 Wire Tangent), 25 KV Transformer Station Without Pole	7,303.19	3,709.84
26 05 46 00-0356	EA	(Triple Transformer, 3 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole	8,078.71	4,122.87
26 05 46 00-0357	EA	(Triple Transformer, 3 Phase, 4 Wire Dead End), 25 KV Transformer Station Without Pole	8,078.71	4,122.87
26 05 46 00-0358	EA	(Single Transformer, 1 Phase, 2 Wire Tangent), 25 KV Transformer Station Without Pole	6,527.66	3,296.54

**26 05 53 Identification for Electrical Systems** (26 05)**26 05 53 00-0001 Conduit Markers Pressure-Sensitive** (26 05 53)

Note: Stick-on, includes arrow tape.

26 05 53 00-0002	EA	1/2" Outside Diameter Pressure Sensitive Marker Stick-on	12.31	
26 05 53 00-0003	EA	3/4" Outside Diameter Pressure Sensitive Marker Stick-on	12.85	
26 05 53 00-0004	EA	1" Outside Diameter Pressure Sensitive Marker Stick-on	13.94	
26 05 53 00-0005	EA	1-1/4" Outside Diameter Pressure Sensitive Marker Stick-on	14.16	
26 05 53 00-0006	EA	1-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	14.37	
26 05 53 00-0007	EA	2" Outside Diameter Pressure Sensitive Marker Stick-on	14.70	
26 05 53 00-0008	EA	2-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	17.30	
26 05 53 00-0009	EA	3" Outside Diameter Pressure Sensitive Marker Stick-on	17.73	
26 05 53 00-0010	EA	3-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	18.05	
26 05 53 00-0011	EA	4" Outside Diameter Pressure Sensitive Marker Stick-on	18.39	
26 05 53 00-0012	EA	4-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	19.07	
26 05 53 00-0013	EA	5" Outside Diameter Pressure Sensitive Marker Stick-on	19.80	
26 05 53 00-0014	EA	6" Outside Diameter Pressure Sensitive Marker Stick-on	20.43	
26 05 53 00-0015	EA	7" Outside Diameter Pressure Sensitive Marker Stick-on	21.08	
26 05 53 00-0016	EA	8" Outside Diameter Pressure Sensitive Marker Stick-on	23.19	
26 05 53 00-0017	EA	10" Outside Diameter Pressure Sensitive Marker Stick-on	24.38	

**26 05 53 00-0018 Labeling Electrical Wires** (26 05 53)

Note: Self-adhesive vinyl coated white cloth

26 05 53 00-0019	EA	Labeling Wire	3.36	
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**26 05 53 00-0020 Equipment Labeling** (26 05 53)

26 05 53 00-0021	EA	Label Both Ends Of One 4 Pair Cable	21.33	
26 05 53 00-0022	EA	Label single gang face plate (2 labels required)	17.06	
26 05 53 00-0023	EA	Label two gang face plate (4 labels required)	25.60	
26 05 53 00-0024	EA	Label both ends of a Siamese (dual 4 Pair cable)	21.33	

**26 05 83 Wiring Connections** (26 05)

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>26 05 83 00-0001 Tape Wrapped Compression Connectors</b> <small>(26 05 83)</small>			
26 05 83 00-0002	EA	#6 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	14.93
26 05 83 00-0003	EA	#4 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	16.41
26 05 83 00-0004	EA	#2 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	17.83
26 05 83 00-0005	EA	1/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	20.72
26 05 83 00-0006	EA	2/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	22.29
26 05 83 00-0007	EA	3/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	24.76
26 05 83 00-0008	EA	4/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	26.55
26 05 83 00-0009	EA	250 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	28.95
26 05 83 00-0010	EA	300 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	32.02
26 05 83 00-0011	EA	350 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	33.56
26 05 83 00-0012	EA	400 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	37.51
26 05 83 00-0013	EA	500 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	40.93
26 05 83 00-0014	EA	750 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	45.80
26 05 83 00-0015	EA	1,000 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	53.24

<b>26 05 83 00-0016 One Hole Compression Lugs</b> <small>(26 05 83)</small>			
26 05 83 00-0017	EA	#22-18 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	18.92
26 05 83 00-0018	EA	#16-14 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	19.08
26 05 83 00-0019	EA	#12-10 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	21.60
26 05 83 00-0020	EA	#8 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	26.97
26 05 83 00-0021	EA	#6 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	37.75
26 05 83 00-0022	EA	#4 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	44.04
26 05 83 00-0023	EA	#2 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	50.67
26 05 83 00-0024	EA	1/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	62.27
26 05 83 00-0025	EA	2/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	72.84
26 05 83 00-0026	EA	3/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	85.19
26 05 83 00-0027	EA	4/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	102.65
26 05 83 00-0028	EA	250 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	121.71
26 05 83 00-0029	EA	300 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	139.25
26 05 83 00-0030	EA	350 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	149.61
26 05 83 00-0031	EA	400 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	163.09
26 05 83 00-0032	EA	500 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	178.37
26 05 83 00-0033	EA	750 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	193.76
26 05 83 00-0034	EA	1,000 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	228.58

<b>26 05 83 00-0035 Two Hole Compression Lugs</b> <small>(26 05 83)</small>			
26 05 83 00-0036	EA	#8 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	38.76
26 05 83 00-0037	EA	#6 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	41.68
26 05 83 00-0038	EA	#4 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	43.86
26 05 83 00-0039	EA	#2 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	50.47
26 05 83 00-0040	EA	1/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	62.05
26 05 83 00-0041	EA	2/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	72.62
26 05 83 00-0042	EA	3/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	84.94
26 05 83 00-0043	EA	4/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	102.36
26 05 83 00-0044	EA	250 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	121.37
26 05 83 00-0045	EA	300 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	138.86
26 05 83 00-0046	EA	350 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	149.21
26 05 83 00-0047	EA	400 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	162.61
26 05 83 00-0048	EA	500 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	177.83
26 05 83 00-0049	EA	750 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	194.54
26 05 83 00-0050	EA	1,000 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	241.47

<b>26 05 83 00-0051 Tape Wrapped Split Bolt Connectors</b> <small>(26 05 83)</small>			
26 05 83 00-0052	EA	#8 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	57.47
26 05 83 00-0053	EA	#6 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	63.20
26 05 83 00-0054	EA	#4 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	72.09
26 05 83 00-0055	EA	#2 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	83.89
26 05 83 00-0056	EA	1/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	99.25
26 05 83 00-0057	EA	2/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	111.95
26 05 83 00-0058	EA	3/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	140.18
26 05 83 00-0059	EA	4/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	150.43
26 05 83 00-0060	EA	250 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	158.62
26 05 83 00-0061	EA	300 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	181.97
26 05 83 00-0062	EA	350 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	205.30
26 05 83 00-0063	EA	400 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	225.23
26 05 83 00-0064	EA	500 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	245.15
26 05 83 00-0065	EA	750 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	273.77
26 05 83 00-0066	EA	1,000 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	311.88

<b>26 05 83 00-0067 Cable Termination Lugs Handwrapped, No Stress Cone</b> <small>(26 05 83)</small>			
26 05 83 00-0068	EA	#8 Or #6 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	97.46
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.76
26 05 83 00-0069	EA	#4 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	108.15
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.80
26 05 83 00-0070	EA	1/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	149.50
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.13
26 05 83 00-0071	EA	4/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	169.33
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.68

**26 Electrical**  
**26 05 Common Work Results for Electrical**  
**26 05 83 Wiring Connections**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0072	EA		300 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt.....	202.97	81.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.26	
26 05 83 00-0073	EA		500 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt.....	284.30	108.38
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.73	
<b>26 05 83 00-0074 Terminal Blocks <sup>(26 05 83)</sup></b>					
Note: Labor excludes wire termination.					
26 05 83 00-0075	EA		Power Distribution Block, 250 MCM 3 Phase Terminal Block, No Labor Wire Termination, 600 Volt.....	979.29	400.98
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	240.83	
26 05 83 00-0076	EA		#22 To #10 Wire Size, 12 Point, 600 Volt Terminal Block.....	268.67	54.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.89	
26 05 83 00-0077	EA		#8 To #2 Wire Size, 12 Point, 600 Volt Terminal Block.....	298.28	54.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.24	
<b>26 05 83 00-0078 Parallel Gutter Tap Or Motor Connection <sup>(26 05 83)</sup></b>					
26 05 83 00-0079	EA		#8 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	38.75	19.62
26 05 83 00-0080	EA		#6 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	41.69	19.62
26 05 83 00-0081	EA		#4 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	43.86	19.62
26 05 83 00-0082	EA		#2 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	50.47	22.55
26 05 83 00-0083	EA		1/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	62.05	28.18
26 05 83 00-0084	EA		2/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	72.62	33.48
26 05 83 00-0085	EA		3/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	84.94	39.23
26 05 83 00-0086	EA		4/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	102.36	47.58
26 05 83 00-0087	EA		250 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	121.37	56.46
26 05 83 00-0088	EA		300 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	138.86	64.48
26 05 83 00-0089	EA		350 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	149.21	69.47
26 05 83 00-0090	EA		400 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	162.61	75.22
26 05 83 00-0091	EA		500 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	177.83	82.14
26 05 83 00-0092	EA		750 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	178.32	82.14
26 05 83 00-0093	EA		#8 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	38.75	19.62
26 05 83 00-0094	EA		#6 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	41.69	19.62
26 05 83 00-0095	EA		#4 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	43.86	19.62
26 05 83 00-0096	EA		#2 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	50.47	22.55
26 05 83 00-0097	EA		1/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	62.05	28.18
26 05 83 00-0098	EA		2/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	72.62	33.48
26 05 83 00-0099	EA		3/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	84.94	39.23
26 05 83 00-0100	EA		4/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	102.36	47.58
26 05 83 00-0101	EA		250 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	121.37	56.46
26 05 83 00-0102	EA		300 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	138.86	64.48
26 05 83 00-0103	EA		350 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	149.21	69.47
26 05 83 00-0104	EA		400 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	162.61	75.22
26 05 83 00-0105	EA		500 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	177.83	82.14
26 05 83 00-0106	EA		750 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	178.32	82.14
<b>26 05 83 00-0107 Copper Mechanical Lugs <sup>(26 05 83)</sup></b>					
26 05 83 00-0108	EA		#8 Copper Mechanical Lugs.....	30.30	13.54
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.13	
26 05 83 00-0109	EA		#6 Copper Mechanical Lugs.....	36.38	16.36
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.82	
26 05 83 00-0110	EA		#4 Copper Mechanical Lugs.....	42.06	18.97
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.38	
26 05 83 00-0111	EA		#2 Copper Mechanical Lugs.....	54.87	24.17
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.51	
26 05 83 00-0112	EA		1/0 Copper Mechanical Lugs.....	73.89	32.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.51	
26 05 83 00-0113	EA		2/0 Copper Mechanical Lugs.....	87.82	37.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.66	
26 05 83 00-0114	EA		3/0 Copper Mechanical Lugs.....	102.48	43.35
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.01	
26 05 83 00-0115	EA		4/0 Copper Mechanical Lugs.....	116.46	48.66
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.17	
26 05 83 00-0116	EA		250 MCM Copper Mechanical Lugs.....	132.98	54.18
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.51	
26 05 83 00-0117	EA		300 MCM Copper Mechanical Lugs.....	149.24	59.61
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.78	
26 05 83 00-0118	EA		350 MCM Copper Mechanical Lugs.....	165.41	65.02
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.01	
26 05 83 00-0119	EA		400 MCM Copper Mechanical Lugs.....	181.49	70.44
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.23	
26 05 83 00-0120	EA		500 MCM Copper Mechanical Lugs.....	197.82	75.86
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.52	
26 05 83 00-0121	EA		750 MCM Copper Mechanical Lugs.....	224.32	86.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.86	
26 05 83 00-0122	EA		1,000 MCM Copper Mechanical Lugs.....	253.88	97.54
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.52	
<b>26 05 83 00-0123 Gel Connectors <sup>(26 05 83)</sup></b>					
26 05 83 00-0124	EA		3 Port, #14 to 2/0, Push On Gel Stub Splice Kit.....	55.49	
			Note: Kit contains connector, gel filled cap and cap clamp.		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.26	
26 05 83 00-0125	EA		4 Port, #14 to 2, Gel Tap Splice Kit.....	53.73	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.91	



Table with 4 columns: MINOR, CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST

Table with 4 columns: MINOR, CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Section: Other Connections (26 05 83)

Table with 4 columns: MINOR, CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Section: Motor/Equipment Connections And Terminations (26 05 83)

Table with 4 columns: MINOR, CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Section: AC Single Phase, 230 Volt (26 05 83 00-0130)

Table with 4 columns: MINOR, CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Section: AC Three Phase, 230 Volt (26 05 83 00-0130)

Table with 4 columns: MINOR, CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Section: AC Three Phase, 460 Volt (26 05 83 00-0130)

Table with 4 columns: MINOR, CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Section: AC Single Phase, 120 Volt (26 05 83 00-0130)

Table with 4 columns: MINOR, CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Section: Motor Moisture Sensor (26 05 83 00-0130)

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

### 26 09 Instrumentation and Control for Electrical Systems <sup>(26)</sup>

Note: Includes testing of new devices and certification.

#### 26 09 23 Lighting Control Devices <sup>(26 09)</sup>

##### 26 09 23 00-0001 Lighting Contactors <sup>(26 09 23)</sup>

Note: Up to 600 volt.

##### 26 09 23 00-0002 Electrically Held, Lighting Contactors <sup>(26 09 23 00-0001)</sup>

##### 26 09 23 00-0003 NEMA 1 Enclosure, Electrically Held, Lighting Contactors <sup>(26 09 23 00-0002)</sup>

##### 26 09 23 00-0004 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors <sup>(26 09 23 00-0003)</sup>

26 09 23 00-0005	EA 20 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor .....	471.85	86.69
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.02	
26 09 23 00-0006	EA 30 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor .....	585.37	97.54
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.52	
26 09 23 00-0007	EA 60 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor .....	1,102.92	151.73
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	91.04	
26 09 23 00-0008	EA 100 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor .....	1,724.59	205.91
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	123.55	
26 09 23 00-0009	EA 200 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor .....	3,629.05	270.94
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	162.56	

##### 26 09 23 00-0010 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors <sup>(26 09 23 00-0003)</sup>

26 09 23 00-0011	EA 20 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor .....	532.95	97.54
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.52	
26 09 23 00-0012	EA 30 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor .....	641.49	108.38
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	65.03	
26 09 23 00-0013	EA 60 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor .....	1,192.19	173.40
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	104.04	
26 09 23 00-0014	EA 100 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor .....	1,861.42	227.58
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	136.55	
26 09 23 00-0015	EA 200 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor .....	3,893.96	298.03
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	178.82	

##### 26 09 23 00-0016 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors <sup>(26 09 23 00-0003)</sup>

26 09 23 00-0017	EA 20 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor .....	629.02	108.38
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	65.03	
26 09 23 00-0018	EA 30 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor .....	757.46	119.21
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.53	
26 09 23 00-0019	EA 60 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor .....	1,445.44	195.07
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	117.04	
26 09 23 00-0020	EA 100 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor .....	2,231.93	249.26
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	149.56	
26 09 23 00-0021	EA 200 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor .....	4,983.78	325.12
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	195.08	

##### 26 09 23 00-0022 NEMA 4 Enclosure, Electrically Held, Lighting Contactors <sup>(26 09 23 00-0002)</sup>

##### 26 09 23 00-0023 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors <sup>(26 09 23 00-0002)</sup>

26 09 23 00-0024	EA 20 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor .....	789.12	86.69
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.02	
26 09 23 00-0025	EA 30 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor .....	1,006.02	97.54
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.52	
26 09 23 00-0026	EA 60 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor .....	1,941.74	151.73
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	91.04	
26 09 23 00-0027	EA 100 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor .....	2,916.00	205.91
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	123.55	
26 09 23 00-0028	EA 200 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor .....	5,662.56	270.94
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	162.56	

##### 26 09 23 00-0029 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors <sup>(26 09 23 00-0002)</sup>

26 09 23 00-0030	EA 20 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor .....	817.06	97.54
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.52	
26 09 23 00-0031	EA 30 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor .....	1,062.14	108.38
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	65.03	
26 09 23 00-0032	EA 60 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor .....	2,033.47	173.40
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	104.04	
26 09 23 00-0033	EA 100 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor .....	3,052.02	227.58
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	136.55	
26 09 23 00-0034	EA 200 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor .....	5,926.66	298.03
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	178.82	

##### 26 09 23 00-0035 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors <sup>(26 09 23 00-0002)</sup>

26 09 23 00-0036	EA 20 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor .....	882.66	108.38
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	65.03	
26 09 23 00-0037	EA 30 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor .....	1,178.10	119.21
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.53	
26 09 23 00-0038	EA 60 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor .....	2,613.89	195.07
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	117.04	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0039 EA 100 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,749.69 149.56	249.26
26 09 23 00-0040 EA 200 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,918.44 195.08	325.12
<b>26 09 23 00-0041 Mechanically Held, Lighting Contactors</b> <small>(26 09 23 00-0001)</small>		
<b>26 09 23 00-0042 NEMA 1 Enclosure, Mechanically Held, Lighting Contactors</b> <small>(26 09 23 00-0041)</small>		
<b>26 09 23 00-0043 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors</b> <small>(26 09 23 00-0042)</small>		
26 09 23 00-0044 EA 20 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	703.08 52.02	86.69
26 09 23 00-0045 EA 30 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	800.21 58.52	97.54
26 09 23 00-0046 EA 60 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,521.10 91.04	151.73
26 09 23 00-0047 EA 100 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,120.63 123.55	205.91
26 09 23 00-0048 EA 200 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,914.75 162.56	270.94
<b>26 09 23 00-0049 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors</b> <small>(26 09 23 00-0042)</small>		
26 09 23 00-0050 EA 20 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	750.74 58.52	97.54
26 09 23 00-0051 EA 30 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	857.96 65.03	108.38
26 09 23 00-0052 EA 60 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,612.83 104.04	173.40
26 09 23 00-0053 EA 100 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,258.29 136.55	227.58
26 09 23 00-0054 EA 200 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,528.15 178.82	298.03
<b>26 09 23 00-0055 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors</b> <small>(26 09 23 00-0042)</small>		
26 09 23 00-0056 EA 20 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	810.06 65.03	108.38
26 09 23 00-0057 EA 30 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	914.07 71.53	119.21
26 09 23 00-0058 EA 60 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,888.22 117.04	195.07
26 09 23 00-0059 EA 100 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,652.57 149.56	249.26
26 09 23 00-0060 EA 200 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,679.47 195.08	325.12
<b>26 09 23 00-0061 NEMA 4 Enclosure, Mechanically Held, Lighting Contactors</b> <small>(26 09 23 00-0041)</small>		
<b>26 09 23 00-0062 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors</b> <small>(26 09 23 00-0061)</small>		
26 09 23 00-0063 EA 20 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,060.68 52.02	86.69
26 09 23 00-0064 EA 30 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,220.85 58.52	97.54
26 09 23 00-0065 EA 60 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,362.39 91.04	151.73
26 09 23 00-0066 EA 100 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,312.04 123.55	205.91
26 09 23 00-0067 EA 200 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,946.63 162.56	270.94
<b>26 09 23 00-0068 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors</b> <small>(26 09 23 00-0061)</small>		
26 09 23 00-0069 EA 20 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,119.99 58.52	97.54
26 09 23 00-0070 EA 30 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,278.61 65.03	108.38
26 09 23 00-0071 EA 60 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,454.12 104.04	173.40
26 09 23 00-0072 EA 100 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,450.52 136.55	227.58
26 09 23 00-0073 EA 200 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,561.67 178.82	298.03
<b>26 09 23 00-0074 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors</b> <small>(26 09 23 00-0061)</small>		
26 09 23 00-0075 EA 20 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,183.80 65.03	108.38
26 09 23 00-0076 EA 30 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,334.72 71.53	119.21
26 09 23 00-0077 EA 60 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,056.67 117.04	195.07

**26 Electrical****26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 09 23 00-0078	EA	100 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,170.33 149.56	249.26
26 09 23 00-0079	EA	200 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,554.27 195.08	325.12
26 09 23 00-0080		<b>Combination Lighting Contactors</b> <small>(26 09 23)</small> Note: Up to 600 volt.		
26 09 23 00-0081		<b>Electrically Held, Combination Lighting Contactors</b> <small>(26 09 23 00-0080)</small>		
26 09 23 00-0082		<b>NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors</b> <small>(26 09 23 00-0081)</small>		
26 09 23 00-0083		<b>3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors</b> <small>(26 09 23 00-0082)</small>		
26 09 23 00-0084	EA	30 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,363.82 71.53	119.21
26 09 23 00-0085	EA	60 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,137.84 114.44	190.74
26 09 23 00-0086	EA	100 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,459.95 150.21	250.35
26 09 23 00-0087	EA	200 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,334.34 196.70	327.83
26 09 23 00-0088		<b>NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors</b> <small>(26 09 23 00-0081)</small>		
26 09 23 00-0089		<b>3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors</b> <small>(26 09 23 00-0088)</small>		
26 09 23 00-0090	EA	30 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,484.31 71.53	119.21
26 09 23 00-0091	EA	60 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,864.69 114.44	190.74
26 09 23 00-0092	EA	100 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,473.33 150.21	250.35
26 09 23 00-0093	EA	200 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,189.01 196.70	327.83
26 09 23 00-0094		<b>Mechanically Held, Combination Lighting Contactors</b> <small>(26 09 23 00-0080)</small>		
26 09 23 00-0095		<b>NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors</b> <small>(26 09 23 00-0094)</small>		
26 09 23 00-0096		<b>3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors</b> <small>(26 09 23 00-0095)</small>		
26 09 23 00-0097	EA	30 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,491.74 71.53	119.21
26 09 23 00-0098	EA	60 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,580.62 114.44	190.74
26 09 23 00-0099	EA	100 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,879.36 150.21	250.35
26 09 23 00-0100	EA	200 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,526.16 196.70	327.83
26 09 23 00-0101		<b>NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors</b> <small>(26 09 23 00-0094)</small>		
26 09 23 00-0102		<b>3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors</b> <small>(26 09 23 00-0101)</small>		
26 09 23 00-0103	EA	30 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,613.45 71.53	119.21
26 09 23 00-0104	EA	60 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,309.93 114.44	190.74
26 09 23 00-0105	EA	100 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,893.97 150.21	250.35
26 09 23 00-0106	EA	200 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,380.83 196.70	327.83
26 09 23 00-0107		<b>Photo-Cell, Relay, Lighting Arrester, Receptacle And Bracket</b> <small>(26 09 23)</small>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0108	EA		105 To 130 Volt Relay, Photo-Cell, Lighting Arrester, Receptacle And Bracket <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	130.10 16.94	28.18
26 09 23 00-0109	EA		105 To 285 Volt Relay, Photo-Cell, Lighting Arrester, Receptacle And Bracket <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	142.31 16.94	28.18
<b>26 09 23 00-0110</b>			<b>Dimming Module System (Lutron Grafik Eye) <small>(26 09 23)</small></b>		
26 09 23 00-0111	EA		2,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-2) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,432.50 65.03	108.38
26 09 23 00-0112	EA		4,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-4) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,845.40 65.03	108.38
26 09 23 00-0113	EA		6,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-6) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,265.67 65.03	108.38
<b>26 09 23 00-0114</b>			<b>Dimming Module Contol (Leviton) <small>(26 09 23)</small></b>		
26 09 23 00-0115	EA		5 Amperes, Wireless Dimming Module (Leviton WSD05-9D0) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	185.32 8.15	13.57
<b>26 09 23 00-0116</b>			<b>Light Control Panels <small>(26 09 23)</small></b>		
<b>26 09 23 00-0117</b>			<b>Lighting Control Panels (Watt Stopper) <small>(26 09 23 00-0116)</small></b>		
<b>26 09 23 00-0118</b>			<b>Lighting Control Panels (Watt Stopper) <small>(26 09 23 00-0117)</small></b>		
26 09 23 00-0119	EA		4 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-4) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,562.64 91.20	152.00
26 09 23 00-0120	EA		8 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-8) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,469.86 97.72	162.86
26 09 23 00-0121	EA		8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8S-8-G) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,648.72 97.72	162.86
26 09 23 00-0122	EA		8 Relays, Surface Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24S-8) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,449.16 97.72	162.86
26 09 23 00-0123	EA		8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24S-8-G) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,659.15 97.72	162.86
26 09 23 00-0124	EA		4 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-4) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,734.66 91.20	152.00
26 09 23 00-0125	EA		8 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-8) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,861.27 97.72	162.86
26 09 23 00-0126	EA		8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8F-8-G) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,071.05 97.72	162.86
26 09 23 00-0127	EA		8 Relays, Flush Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24F-8) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,533.08 97.72	162.86
26 09 23 00-0128	EA		8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24F-8-G) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,743.05 97.72	162.86
<b>26 09 23 00-0129</b>			<b>Accessories For Lighting Control Panels (Watt Stopper) <small>(26 09 23 00-0117)</small></b>		
26 09 23 00-0130	EA		Low Voltage Photocell For Watt Stopper Lighting Control Panels (Watt Stopper EM-24A2) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	154.00 16.28	27.15
26 09 23 00-0131	EA		Automatic Control Switch For Watt Stopper Lighting Control Panels (Watt Stopper AS-100-W) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	118.70 13.03	21.71
26 09 23 00-0132	EA		Low Voltage Momentary Switch For Watt Stopper Lighting Control Panels (Watt Stopper DCC2) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.74 13.03	21.71
<b>26 09 23 00-0133</b>			<b>Lighting Control Panels (Synergy) <small>(26 09 23 00-0116)</small></b>		
<b>26 09 23 00-0134</b>			<b>Lighting Control Panels (Synergy) <small>(26 09 23 00-0133)</small></b>		
26 09 23 00-0135	EA		8 Relays, Surface Mount, Lighting Control Panel (Synergy SwitchPak SPAK 8S) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,271.77 97.72	162.86
<b>26 09 23 00-0136</b>			<b>Accessories For Lighting Control Panels (Synergy) <small>(26 09 23 00-0133)</small></b>		
26 09 23 00-0137	EA		Outdoor Photocell For Synergy SwitchPak Lighting Control Panels (Synergy LSA-APS-OL) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	554.99 16.28	27.15
26 09 23 00-0138	EA		Sweepswitch, Line Voltage Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy SSPL-20) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	215.02 6.51	10.86
26 09 23 00-0139	EA		Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy LVPS-2BT) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	123.54 9.77	16.29
<b>26 09 23 00-0140</b>			<b>Lighting Switching Panels (Lutron) <small>(26 09 23 00-0116)</small></b>		
<b>26 09 23 00-0141</b>			<b>Lighting Switching Panels (Lutron) <small>(26 09 23 00-0140)</small></b>		
26 09 23 00-0142	EA		8 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS8-FT) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,853.88 97.72	162.86
26 09 23 00-0143	EA		12 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS12-FT) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,533.25 104.23	173.72
26 09 23 00-0144	EA		16 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS16-FT) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,309.86 110.74	184.57
<b>26 09 23 00-0145</b>			<b>Wireless (ZigBee) LED Lighting Control Panels (PlanLED GigaTera) <small>(26 09 23 00-0116)</small></b>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0196 EA Indoor Wired Photo Sensor (Encelium PHS-700)..... Note: Excludes GB II cable.	528.74	54.28
26 09 23 00-0197 EA Outdoor Wired Photo Sensor (Encelium PHS-800)..... Note: Excludes GB II cable.	528.74	54.28
26 09 23 00-0198 EA Skylight Wired Photo Sensor (Encelium PHS-900)..... Note: Excludes GB II cable.	528.74	54.28
26 09 23 00-0199 EA 450 SF, 360 Degree, Passive Infrared, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCP-0450)..... Note: Excludes GB II cable.	278.90	54.28
26 09 23 00-0200 EA 1,500 SF, 360 Degree, Passive Infrared, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCP-1500)..... Note: Excludes GB II cable.	270.52	54.28
26 09 23 00-0201 EA 2,500 SF, Wide View, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-WV00)..... Note: Excludes GB II cable.	276.10	54.28
26 09 23 00-0202 EA High-Bay, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-HBAY)..... Note: Excludes GB II cable.	304.03	54.28
26 09 23 00-0203 EA Long-Range, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-LRNG)..... Note: Excludes GB II cable.	276.10	54.28
26 09 23 00-0204 EA 120-277 Volt AC, No Neutral, Passive Infrared, Wall Switch Mounted, Wired Occupancy Sensor (Encelium SSP-LNV)..... Note: Excludes GB II cable.	220.27	54.28
26 09 23 00-0205 EA High Bay, Passive Infrared, Fixture Mounted, Wired Occupancy Sensor (Encelium WSPERM24V)..... Note: Excludes GB II cable.	233.03	54.28
26 09 23 00-0206 EA High Bay, Passive Infrared, Surface Mounted, Wired Occupancy Sensor (Encelium WSPSM24V)..... Note: Excludes GB II cable.	233.03	54.28
26 09 23 00-0207 EA 360 Degree Lens, Wired Occupancy Sensor (Encelium WSPLENS360)..... Note: Excludes GB II cable.	126.67	54.28
26 09 23 00-0208 EA Passive Infrared, Wall Switch Mounted, Wired Occupancy Sensor (Encelium PW-100-24)..... Note: Excludes GB II cable.	283.02	54.28
26 09 23 00-0209 EA Hallway, Wired Occupancy Sensor (Encelium HW-13)..... Note: Excludes GB II cable.	396.83	54.28
26 09 23 00-0210 EA 500 SF, 180 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-0500)..... Note: Excludes GB II cable.	348.70	54.28
26 09 23 00-0211 EA 1,000 SF, 360 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-1000)..... Note: Excludes GB II cable.	371.03	54.28
26 09 23 00-0212 EA 2,000 SF, 360 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-2000)..... Note: Excludes GB II cable.	382.21	54.28
26 09 23 00-0213 EA 1,200 SF, (Multi) Passive Infrared And Ultrasonic, Wall Mounted, Wired Occupancy Sensor (Encelium SWM-1200)..... Note: Excludes GB II cable.	345.90	54.28
26 09 23 00-0214 EA 120-277 Volt AC, No Neutral, Passive Infrared And Ultrasonic, Wall Switch Mounted, Wired Occupancy Sensor (Encelium SSM-LNV)..... Note: Excludes GB II cable.	290.07	54.28
26 09 23 00-0215 EA 500 SF, 180 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC05-M0W)..... Note: Excludes GB II cable.	360.71	54.28
26 09 23 00-0216 EA 1,200 SF, 360 Degree, Dual Technology, Wall Mounted, Wired Occupancy Sensor (Encelium OSW12-M0W)..... Note: Excludes GB II cable.	357.78	54.28
26 09 23 00-0217 EA 2,000 SF, 360 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC20-M0W)..... Note: Excludes GB II cable.	395.88	54.28
26 09 23 00-0218 EA 1,000 SF, 360 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC10-M0W)..... Note: Excludes GB II cable.	384.17	54.28
26 09 23 00-0219 EA Dual Technology, Wall Switch Mounted, Wired Occupancy Sensor (Encelium DW-100-24)..... Note: Excludes GB II cable.	412.80	54.28
26 09 23 00-0220 EA Dual Technology, Wall Switch Mounted, Wired Occupancy Sensor (Encelium WSD-PDT-LV)..... Note: Excludes GB II cable.	384.28	54.28
26 09 23 00-0221 EA Wide View, Dual Technology, Wired Occupancy Sensor (Encelium WV-PDT)..... Note: Excludes GB II cable.	384.28	54.28
26 09 23 00-0222 EA 10A, 120V, Single Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESRU1C).....	255.61	54.28
26 09 23 00-0223 EA 10A, 277V, Single Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESRH1C).....	273.16	54.28
26 09 23 00-0224 EA 20A, 120V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR01P).....	471.96	54.28
26 09 23 00-0225 EA 20A, 277V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR02P).....	504.18	54.28
26 09 23 00-0226 EA 10A, 120V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR2401D).....	374.19	54.28
26 09 23 00-0227 EA 10A, 277V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR2402D).....	389.76	54.28
26 09 23 00-0228 EA 24 Circuit, Relay Module (Encelium EN-RPM-24C-GB2)..... Note: Excludes GB II cable and enclosure.	1,110.62	108.58
26 09 23 00-0229 EA 24 Circuit, 120/277V, Relay Panel With Relay Module (Encelium EN-RP-24C-GB2-120/277V)..... Note: Excludes GB II cable.	3,485.21	434.28
26 09 23 00-0230 EA 12 Relays, 24 Circuit, 120-347V, Emergency Relay Panel (Encelium EN-RPA12R120-347V)..... Note: Excludes GB II cable.	5,055.19	434.28
26 09 23 00-0231 EA 24 Relays, 24 Circuit, 120-347V, Emergency Relay Panel (Encelium EN-RPA24R120-347V)..... Note: Excludes GB II cable.	6,625.15	434.28
26 09 23 00-0232 EA Wired Phase Cut Dimming Module (Encelium EN-PCDM-GB2)..... Note: Excludes GB II cable.	555.32	54.28
26 09 23 00-0233 EA Wired DALI Bridge (Encelium EN-DB-1L-GB2)..... Note: Excludes GB II cable.	635.10	54.28
26 09 23 00-0234 EA Wireless Manager (Encelium EN-WM-ZB-P3D)..... Note: Includes white finish.	1,704.08	54.28
26 09 23 00-0235 EA Wireless Control Module (Encelium EN-WCM-ZB).....	235.10	27.15
26 09 23 00-0236 EA Damp Rated, Wireless Control Module (Encelium EN-WCM-ZB-DR).....	277.65	27.15
26 09 23 00-0237 EA Wireless Area Lighting Controller (Encelium EN-ALC-ZB-BK).....	278.71	27.15
26 09 23 00-0238 EA Damp Rated, Wireless Area Lighting Controller (Encelium EN-ALC-ZB-BK-DR).....	288.74	27.15
26 09 23 00-0239 EA 2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH)..... Note: Includes white finish.	207.97	13.57
26 09 23 00-0240 EA 3 Scene Control, Wireless Wall Station (Encelium EN-WS-SC3-ZB-WH)..... Note: Includes white finish.	207.97	13.57
26 09 23 00-0241 EA 3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH)..... Note: Includes white finish.	207.97	13.57

**26 Electrical**

**26 09 Instrumentation and Control for Electrical Systems**

**26 09 23 Lighting Control Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0242	EA		5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH) ..... Note: Includes white finish.	207.97	13.57
26 09 23 00-0243	EA		6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH) ..... Note: Includes white finish.	207.97	13.57
26 09 23 00-0244	EA		Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW) .....214.89	214.89	13.57
26 09 23 00-0245	EA		315 MHz, Wireless Photocell (Encelium TAP-17C) .....459.59	459.59	54.28
26 09 23 00-0246	EA		450 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB) .....289.40	289.40	54.28
26 09 23 00-0247	EA		1,500 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB) .....289.40	289.40	54.28
26 09 23 00-0248	EA		1,500 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB-DR) .....331.95	331.95	54.28
26 09 23 00-0249	EA		450 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB-DR) .....331.95	331.95	54.28
26 09 23 00-0250	EA		2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH) .....207.97 Note: Includes white finish.	207.97	13.57
26 09 23 00-0251	EA		3 Scene Control, Wireless Wall Station (Encelium EN-WS-SC3-ZB-WH) .....207.97 Note: Includes white finish.	207.97	13.57
26 09 23 00-0252	EA		3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH) .....207.97 Note: Includes white finish.	207.97	13.57
26 09 23 00-0253	EA		5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH) .....207.97 Note: Includes white finish.	207.97	13.57
26 09 23 00-0254	EA		6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH) .....207.97 Note: Includes white finish.	207.97	13.57
26 09 23 00-0255	EA		Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW) .....214.89 Note: Includes white finish.	214.89	13.57
26 09 23 00-0256	EA		315 MHz, Wireless Photocell (Encelium TAP-17C) .....459.59	459.59	54.28
26 09 23 00-0257	EA		3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH) .....207.97	207.97	13.57
26 09 23 00-0258	EA		5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH) .....207.97	207.97	13.57
26 09 23 00-0259	EA		6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH) .....207.97	207.97	13.57
26 09 23 00-0260	EA		Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW) .....214.89	214.89	13.57
26 09 23 00-0261	EA		315 MHz, Wireless Photocell (Encelium TAP-17C) .....459.59	459.59	54.28
26 09 23 00-0262	EA		450 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB) .....289.40	289.40	54.28
26 09 23 00-0263	EA		1,500 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB) .....289.40	289.40	54.28
26 09 23 00-0264	EA		1,500 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB-DR) .....331.95	331.95	54.28
26 09 23 00-0265	EA		450 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB-DR) .....331.95	331.95	54.28
26 09 23 00-0266	EA		2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH) .....207.97 Note: Includes white finish.	207.97	13.57
26 09 23 00-0267	EA		3 Scene Control, Wireless Wall Station (Encelium EN-WS-SC3-ZB-WH) .....207.97 Note: Includes white finish.	207.97	13.57
26 09 23 00-0268	EA		3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH) .....207.97 Note: Includes white finish.	207.97	13.57
26 09 23 00-0269	EA		5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH) .....207.97 Note: Includes white finish.	207.97	13.57
26 09 23 00-0270	EA		6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH) .....207.97 Note: Includes white finish.	207.97	13.57
26 09 23 00-0271	EA		Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW) .....214.89	214.89	13.57
26 09 23 00-0272	EA		315 MHz, Wireless Photocell (Encelium TAP-17C) .....459.59	459.59	54.28
26 09 23 00-0273	EA		Ceiling Mounted, Wireless Mounting Kit (Encelium EN-SCPPH-MK-ZB) .....133.04	133.04	54.28
26 09 23 00-0274	EA		Wireless Ethernet Transceiver Unit (cns-enocean Connectivity Kit) .....599.68	599.68	54.28

**26 09 23 00-0275**

**Lighting Control Sensors** (26 09 23)

26 09 23 00-0276	EA		DALI Multi Sensor, 600 SF (Fifthlight FLT-MTS6-DALI) .....319.09	319.09	24.42
26 09 23 00-0277	EA		DALI Multi Sensor, 1,200 SF (Fifthlight FLT-MTS12-DALI) .....319.09	319.09	24.42
26 09 23 00-0278	EA		Smart Multi-sensor (LG 9SD131VVDA.ALWB000) .....279.87	279.87	24.42
26 09 23 00-0279	EA		Zigbee Dongle (LG 9CM2315VD2.AWP01U) .....84.75	84.75	16.29
26 09 23 00-0280	EA		Clip for Performance Troffer (LG BKTTR015122.BUAAWAA) .....7.07	7.07	
26 09 23 00-0281	EA		Clip for Downlight (BKTCE015123.BUAAWAA) .....54.98	54.98	
26 09 23 00-0282	EA		Clip for Tube (LG BKTUU015121.BUAAWAA) .....9.92	9.92	

**26 09 23 00-0283**

**Radio Controlled Devices (Lutron)** (26 09 23)

**26 09 23 00-0284**

**Tabletop Transmitters For Radio Controlled Devices** (26 09 23 00-0283)

**26 09 23 00-0285**

**Switched Lighting Controls, Tabletop Wireless Transmitter** (26 09 23 00-0284)

26 09 23 00-0286	EA		One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-SW-B-WH) .....417.93	417.93	16.29
26 09 23 00-0287	EA		Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2SW-B-WH) .....542.98	542.98	16.29
26 09 23 00-0288	EA		Three Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3SW-B-WH) .....683.66	683.66	16.29

**26 09 23 00-0289**

**Dimmable Lighting Controls, Tabletop Wireless Transmitter** (26 09 23 00-0284)

26 09 23 00-0290	EA		One Zone Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-B-WH) .....417.93	417.93	16.29
26 09 23 00-0291	EA		Two Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-B-WH) .....496.09	496.09	16.29
26 09 23 00-0292	EA		Three Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-B-WH) .....683.66	683.66	16.29
26 09 23 00-0293	EA		One Zone Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-WH) .....417.93	417.93	16.29
26 09 23 00-0294	EA		Two Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-WH) .....542.98	542.98	16.29
26 09 23 00-0295	EA		Three Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-WH) .....683.66	683.66	16.29

**26 09 23 00-0296**

**Dimmable And Switched Lighting Controls, Tabletop Wireless Transmitter** (26 09 23 00-0284)

26 09 23 00-0297	EA		One Zone Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LSW-B-WH) .....542.98	542.98	16.29
26 09 23 00-0298	EA		Two Zones Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LSW-B-WH) .....683.66	683.66	16.29



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0299 EA One Zone Of Dimmable Lighting Controls And Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2SW-B-WH).....	683.66	16.29
<b>26 09 23 00-0300 Dimmable Lighting Controls And Shade Or Projection Controls, Tabletop Wireless Transmitter</b> <small>(26 09 23 00-0284)</small>		
26 09 23 00-0301 EA One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-C3-B-WH).....	417.93	16.29
26 09 23 00-0302 EA Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2C3-B-WH).....	542.98	16.29
26 09 23 00-0303 EA One Zone Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC2-B-WH).....	496.09	16.29
26 09 23 00-0304 EA Two Zones Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC2-B-WH).....	605.51	16.29
26 09 23 00-0305 EA One Zone Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC3-B-WH).....	542.98	16.29
26 09 23 00-0306 EA Two Zones Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC3-B-WH).....	652.40	16.29
26 09 23 00-0307 EA One Zone Of Dimmable Lighting Controls And Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2C3-B-WH).....	542.98	16.29
<b>26 09 23 00-0308 Dimmable Lighting Controls And Sivoia QED Shade Controls, Tabletop Wireless Transmitter</b> <small>(26 09 23 00-0284)</small>		
26 09 23 00-0309 EA One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-Q-B-WH).....	417.93	16.29
26 09 23 00-0310 EA Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2Q-B-WH).....	542.98	16.29
26 09 23 00-0311 EA One Zone Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQ-B-WH).....	542.98	16.29
26 09 23 00-0312 EA Two Zones Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LQ-B-WH).....	683.66	16.29
26 09 23 00-0313 EA One Zone Of Dimmable Lighting Controls And Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2Q-B-WH).....	542.98	16.29
26 09 23 00-0314 EA One Zone Of Dimmable Lighting Controls, One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, One Zone Of Output Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQC2-B-WH).....	683.66	16.29
<b>26 09 23 00-0315 Output Switch Closure Controls, Tabletop Wireless Transmitter</b> <small>(26 09 23 00-0284)</small>		
26 09 23 00-0316 EA Five Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5-WH).....	417.93	16.29
26 09 23 00-0317 EA Nine Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5C4-WH).....	542.98	16.29
26 09 23 00-0318 EA Thirteen Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C52C4-WH).....	683.66	16.29
<b>26 09 23 00-0319 Accessories For Tabletop Wireless Transmitter</b> <small>(26 09 23 00-0284)</small>		
26 09 23 00-0320 EA Security Mounting Brackets For Tabletop Wireless Transmitters (Lutron RTA-SEC-WH).....	89.68	16.29
<b>26 09 23 00-0321 Wall Box Transmitters For Radio Controlled Devices</b> <small>(26 09 23 00-0283)</small>		
26 09 23 00-0322 EA On/Off Switched Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2BSW-WH).....	386.67	16.29
26 09 23 00-0323 EA Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2B-WH).....	417.93	16.29
26 09 23 00-0324 EA Four Preset Lighting Level And Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-5B-WH).....	417.93	16.29
26 09 23 00-0325 EA Open/Stop/Close Motorized Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C3LB-WH).....	417.93	16.29
26 09 23 00-0326 EA Up/Down Projection Screen Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C2LB-WH).....	417.93	16.29
26 09 23 00-0327 EA Open/Stop/Close Sivoia QED Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-Q3LB-WH).....	417.93	16.29
<b>26 09 23 00-0328 Interfaces For Radio Controlled Devices</b> <small>(26 09 23 00-0283)</small>		
26 09 23 00-0329 EA Incandescent And Magnetic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-INC-2000).....	386.67	16.29
26 09 23 00-0330 EA Lutron Tu-Wire Ballast Interface For Radio Controlled Devices (Lutron FDI-INC-2000).....	386.67	16.29
26 09 23 00-0331 EA Electronic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-ELV-1000).....	386.67	16.29
26 09 23 00-0332 EA Sivoia QED Controllable Window Treatments Contact Closure Interface For Radio Controlled Devices (Lutron SVQ-CCI-8).....	783.70	16.29
26 09 23 00-0333 EA RS-232 Interface For Radio Controlled Devices (Lutron RTA-RS232).....	1,121.34	16.29
26 09 23 00-0334 EA Switch Closure Input Interface For Radio Controlled (Lutron RTA-SCI).....	1,121.34	16.29
<b>26 09 23 00-0335 Fluorescent Controllers For Radio Controlled Devices</b> <small>(26 09 23 00-0283)</small>		
26 09 23 00-0336 EA On/Off Switched Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-SW).....	496.09	16.29
26 09 23 00-0337 EA Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F).....	558.61	16.29
26 09 23 00-0338 EA Switch Closures And Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F-SC).....	652.40	16.29
<b>26 09 23 00-0339 AC Motor Group Controllers For Radio Controlled Devices</b> <small>(26 09 23 00-0283)</small>		
26 09 23 00-0340 EA Up To Two Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-2M-GC).....	730.56	16.29
26 09 23 00-0341 EA Up To Four Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-4M-GC).....	1,004.10	16.29
<b>26 09 23 00-0342 RF Wireless Technology, Switches And Dimmers (Lutron® Maestro Wireless®)</b> <small>(26 09 23)</small>		

**26 Electrical****26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 09 23 00-0343		<b>RF Wireless Technology, Switches (Lutron® Maestro Wireless®)</b> (26 09 23 00-0342)			
26 09 23 00-0344	EA	6 Amperes Lighting, 3 Amperes Fan, RF Wireless Technology, Electronic Switch (Lutron® Maestro Wireless® MRF2-6ANS) .....	115.40		21.71
26 09 23 00-0345	EA	8 Amperes Lighting, 5.8 Amperes Fan, RF Wireless Technology, Spec Grade Electronic Switch (Lutron® Maestro Wireless® MRF2-8ANS-120).....	135.30		21.71
26 09 23 00-0346	EA	8 Amperes Lighting, 3 Amperes Fan, RF Wireless Technology, Spec Grade Electronic Switch (Lutron® Maestro Wireless® MRF2-8S-DV).....	209.50		21.71
26 09 23 00-0347	EA	120 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MA-AS) .....	82.19		21.71
26 09 23 00-0348	EA	277 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MA-AS-277) .....	99.57		21.71
26 09 23 00-0349	EA	120 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MSC-AS) .....	89.48		21.71
26 09 23 00-0350	EA	277 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MSC-AS-277) .....	107.23		21.71
26 09 23 00-0351		<b>RF Wireless Technology, Dimmers (Lutron® Maestro Wireless®)</b> (26 09 23 00-0342)			
26 09 23 00-0352	EA	600 Watt, 120 Volt, RF Wireless Technology, Incandescent Dimmer (Lutron® Maestro Wireless® MRF2-600M) .....	110.80		21.71
26 09 23 00-0353	EA	600 Watt, 120 Volt, RF Wireless Technology, Magnetic Low Voltage Dimmer (Lutron® Maestro Wireless® MRF2-6MLV).....	119.99		21.71
26 09 23 00-0354	EA	600 Watt, 120 Volt, RF Wireless Technology, Spec Grade Neutral Wire Dimmer (Lutron® Maestro Wireless® MRF2-6ND-120) .....	142.96		21.71
26 09 23 00-0355	EA	1,000 Watt, 120 Volt, RF Wireless Technology, Spec Grade Dimmer (Lutron® Maestro Wireless® MRF2-10D-120) .....	153.81		27.15
26 09 23 00-0356	EA	600 Watt, 120 Volt, RF Wireless Technology, Electronic Low-Voltage Dimmer (Lutron® Maestro Wireless® MRF2-6ELV-120).....	188.13		21.71
26 09 23 00-0357	EA	120 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MA-R).....	64.48		21.71
26 09 23 00-0358	EA	277 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MA-R-277).....	77.12		21.71
26 09 23 00-0359	EA	120 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MSC-AD) .....	69.09		21.71
26 09 23 00-0360	EA	277 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MSC-AD-277) .....	81.71		21.71
26 09 23 00-0361	EA	6 Amperes, 120/277 Volt, RF Wireless Technology, 3-Wire Fluorescent Spec Grade Neutral Wire Dimmer (Lutron® Maestro Wireless® MRF2-F6AN-DV).....	213.81		38.00
26 09 23 00-0362		<b>Removal And Reinstallation Of Occupancy Sensors</b> (26 09 23)			
		Note: Includes storage, cleaning and supply materials.			
26 09 23 00-0363	EA	Removal And Reinstallation Of Ceiling Mounted Occupancy Sensor .....	73.28		
		Note: Includes storing and cleaning.			
26 09 23 00-0364	EA	Removal And Reinstallation Of Wall Mounted Occupancy Sensor .....	48.86		
		Note: Includes storing and cleaning.			
26 09 23 00-0365		<b>Occupancy Sensors (Watt Stopper)</b> (26 09 23)			
		Note: Includes testing of new devices and certification.			
26 09 23 00-0366		<b>Occupancy Sensors</b> (26 09 23 00-0365)			
		Note: Exclude boxes.			
26 09 23 00-0367		<b>Wall Switch Mounted Occupancy Sensors</b> (26 09 23 00-0366)			
26 09 23 00-0368		<b>Ultrasonic, Wall Switch Mounted Occupancy Sensors</b> (26 09 23 00-0367)			
26 09 23 00-0369	EA	Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-100).....	110.07		10.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.51		
26 09 23 00-0370	EA	Dual Relay, Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-200).....	129.64		10.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.51		
26 09 23 00-0371		<b>Passive Infrared, Wall Switch Mounted Occupancy Sensors</b> (26 09 23 00-0367)			
26 09 23 00-0372	EA	Nightlight, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WN-100) .....	91.15		10.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.51		
26 09 23 00-0373	EA	Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WS).....	85.22		10.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.51		
26 09 23 00-0374	EA	Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-100) .....	96.30		10.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.51		
26 09 23 00-0375	EA	Dual Relay, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-200).....	111.26		10.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.51		
26 09 23 00-0376	EA	Dimmable, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WD) .....	110.03		10.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.51		
26 09 23 00-0377		<b>Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensors</b> (26 09 23 00-0367)			
26 09 23 00-0378	EA	Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-100) .....	159.44		10.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.51		
26 09 23 00-0379	EA	Dual Relay, Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-200) .....	171.82		10.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.51		
26 09 23 00-0380		<b>Wall Switch Mounted Occupancy Sensor Accessories</b> (26 09 23 00-0367)			
26 09 23 00-0381	EA	Single Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP).....	6.61		2.71
26 09 23 00-0382	EA	One Side Blank, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP).....	7.60		2.71
26 09 23 00-0383	EA	Switch Option, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP) .....	7.60		2.71

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
26 09 23 00-0384	Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0386)</small>				
26 09 23 00-0385	Ultrasonic, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0384)</small>				
26 09 23 00-0386	25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0385)</small>				
26 09 23 00-0387	EA 500 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-500A).....	146.81		24.42	
26 09 23 00-0388	EA 1,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-1000A).....	168.10		24.42	
26 09 23 00-0389	EA 2,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000A).....	189.54		24.42	
26 09 23 00-0390	EA 90 LF Hallway Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000H).....	187.60		24.42	
26 09 23 00-0391	32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0385)</small>				
26 09 23 00-0392	EA 600 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-605).....	159.41		24.42	
26 09 23 00-0393	EA 1,100 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1105).....	181.00		24.42	
26 09 23 00-0394	EA 2,205 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2205).....	201.44		24.42	
26 09 23 00-0395	EA 90 LF Hallway Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2255).....	204.90		24.42	
26 09 23 00-0396	EA 600 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-600).....	172.31		24.42	
26 09 23 00-0397	EA 1,100 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1100).....	194.44		24.42	
26 09 23 00-0398	EA 2,200 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2200).....	216.48		24.42	
26 09 23 00-0399	EA 90 LF Hallway Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2250).....	222.82		24.42	
26 09 23 00-0400	40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0385)</small>				
26 09 23 00-0401	EA 500 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-1).....	165.65		24.42	
26 09 23 00-0402	EA 1,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-2).....	191.44		24.42	
26 09 23 00-0403	EA 2,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-3).....	213.03		24.42	
26 09 23 00-0404	EA 500 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-1).....	156.14		24.42	
26 09 23 00-0405	EA 1,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-2).....	188.65		24.42	
26 09 23 00-0406	EA 2,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-3).....	199.18		24.42	
26 09 23 00-0407	EA 500 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-1).....	166.99		24.42	
26 09 23 00-0408	EA 1,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-2).....	185.70		24.42	
26 09 23 00-0409	EA 2,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-3).....	208.81		24.42	
26 09 23 00-0410	Passive Infrared, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0384)</small>				
26 09 23 00-0411	EA 30 Segment, 5 Level Lens, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper WPIR).....	121.97		24.42	
26 09 23 00-0412	EA HVAC/BAS, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-12/24).....	124.48		24.42	
26 09 23 00-0413	EA Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-205).....	130.44		24.42	
26 09 23 00-0414	EA Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-355).....	146.41		24.42	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66			
26 09 23 00-0415	EA Low Profile, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-305).....	148.35		24.42	
26 09 23 00-0416	EA Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-200).....	156.71		24.42	
26 09 23 00-0417	EA Low Profile, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-300).....	170.08		24.42	
26 09 23 00-0418	Passive Infrared And Ultrasonic, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0384)</small>				
26 09 23 00-0419	EA 1,000 SF 360 Degree Coverage, Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-355).....	201.26		24.42	
26 09 23 00-0420	EA 1,000 SF 360 Degree Coverage, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-300).....	229.56		24.42	
26 09 23 00-0421	EA 1,000 SF 360 Degree Coverage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-305).....	195.25		24.42	
26 09 23 00-0422	Ceiling/Wall Mounted Occupancy Sensors <small>(26 09 23 00-0386)</small>				
26 09 23 00-0423	Passive Infrared, Ceiling/Wall Mounted Occupancy Sensors <small>(26 09 23 00-0422)</small>				
26 09 23 00-0424	EA 120 LF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100-1/3).....	246.52		24.42	
26 09 23 00-0425	EA 2,000 SF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100).....	246.52		24.42	
26 09 23 00-0426	Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensors <small>(26 09 23 00-0422)</small>				
26 09 23 00-0427	EA 2,000 SF Coverage, Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper DT-200).....	229.56		24.42	
26 09 23 00-0428	Occupancy Sensor Power Packs <small>(26 09 23 00-0365)</small>				

**26 Electrical****26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 09 23 00-0429		<b>Single Voltage, Occupancy Sensor Power Packs</b> (26 09 23 00-0428)			
26 09 23 00-0430	EA	220 To 240 Volt AC, 20 Amperes, Occupancy Sensor Power Pack (Watt Stopper B230E-P).....	83.00		21.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.03		
26 09 23 00-0431	EA	347 Volt AC, 15 Amperes, Occupancy Sensor Power Pack (Watt Stopper B347D-P).....	75.81		21.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.03		
26 09 23 00-0432		<b>Auxiliary, Occupancy Sensor Power Packs</b> (26 09 23 00-0428)			
26 09 23 00-0433	EA	120, 277 Or 347 Volt AC, 20 Amperes, Auxiliary Occupancy Sensor Power Pack (Watt Stopper S120/277/347E-P).....	69.89		21.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.03		
26 09 23 00-0434		<b>Universal Voltage, Power Packs For Occupancy Sensors</b> (26 09 23 00-0428)			
26 09 23 00-0435	EA	120/277 Volt AC, 20 Amperes, Dual Voltage, Occupancy Sensor Power Pack (Watt Stopper BZ-100).....	91.57		21.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.03		
26 09 23 00-0436		<b>Form C, Occupancy Sensor Power Packs</b> (26 09 23 00-0428)			
26 09 23 00-0437	EA	120 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A120C-P).....	83.33		21.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.03		
26 09 23 00-0438	EA	277 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A277C-P).....	83.39		21.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.03		
26 09 23 00-0439		<b>Two Relay, Occupancy Sensor Power Packs</b> (26 09 23 00-0428)			
26 09 23 00-0440	EA	120 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C120E-P).....	104.16		21.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.03		
26 09 23 00-0441	EA	277 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C277E-P).....	105.59		21.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.03		
26 09 23 00-0442		<b>Occupancy Sensor Power Supplies</b> (26 09 23 00-0428)			
26 09 23 00-0443	EA	120 Volt AC, Occupancy Sensor Power Supply (Watt Stopper BZ-150).....	93.43		21.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.03		
26 09 23 00-0444	EA	277 Volt AC, Occupancy Sensor Power Supply (Watt Stopper AT-277).....	209.50		21.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.03		
26 09 23 00-0445		<b>Intelligent, Occupancy Sensor Power Packs</b> (26 09 23 00-0428)			
26 09 23 00-0446	EA	120/277 Volt AC, Two Relays, Two Dimming Channels, Intelligent Occupancy Sensor Power Pack (Watt Stopper LC-100).....	276.31		21.71
26 09 23 00-0447		<b>DIN Rail Mounted, Occupancy Sensor Power Packs</b> (26 09 23 00-0428)			
26 09 23 00-0448	EA	120/230/277 Volt AC, DIN Rail Mounted, Occupancy Sensor Power Pack (Watt Stopper BD-100).....	90.75		21.71
26 09 23 00-0449		<b>Occupancy Sensor Accessories</b> (26 09 23 00-0365)			
26 09 23 00-0450		<b>Protective Cages For Occupancy Sensors</b> (26 09 23 00-0449)			
26 09 23 00-0451	EA	Protective Cage For Occupancy Sensors (Watt Stopper WC).....	51.58		8.14
26 09 23 00-0452		<b>Mounting Brackets For Occupancy Sensors</b> (26 09 23 00-0449)			
26 09 23 00-0453	EA	Mounting Bracket For Occupancy Sensor (Watt Stopper MB).....	41.25		13.57
		Note: Includes J-plate for mounting to HID fixtures or L-plate for mounting to fluorescent fixtures, walls, shelves and girders.			
26 09 23 00-0454		<b>Occupancy/Lighting Logger</b> (26 09 23 00-0449)			
		Note: Logs when a space is occupied/vacant and when lighting is on/off.			
26 09 23 00-0455	EA	Occupancy/Lighting Logger With Connector Cable (Watt Stopper IT-200).....	381.14		46.15
26 09 23 00-0456		<b>Digital Time Light Switches</b> (26 09 23 00-0365)			
26 09 23 00-0457	EA	Preset Time, Wall Switch Mounted, Digital Time Light Switch (Watt Stopper TS-400).....	82.42		10.86
26 09 23 00-0458		<b>Occupancy Sensors (Sensor Switch)</b> (26 09 23)			
		Note: Includes testing of new devices and certification.			
26 09 23 00-0459		<b>Occupancy Sensors (Sensor Switch)</b> (26 09 23 00-0458)			
		Note: Exclude boxes			
26 09 23 00-0460		<b>Wall Switch Mount Occupancy Sensors (Sensor Switch)</b> (26 09 23 00-0459)			
26 09 23 00-0461		<b>Passive Infrared, Wall Switch Mount Occupancy Sensors (Sensor Switch)</b> (26 09 23 00-0460)			
26 09 23 00-0462	EA	Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD LV).....	178.02		10.86
26 09 23 00-0463	EA	Nightlight, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD NL).....	125.92		10.86
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.51		
26 09 23 00-0464	EA	Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD).....	120.19		10.86
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.51		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0465	EA		Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD SA).....	120.19	10.86
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.51	
26 09 23 00-0466	EA		2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD 2P) .....	151.97	10.86
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.51	
26 09 23 00-0467	EA		Single Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS).....	151.97	10.86
26 09 23 00-0468	EA		2-Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS 2P).....	184.55	10.86
26 09 23 00-0469	EA		Single Pole, Passive Infrared, Internally Powered, Wall Switch Mount Occupancy Sensor (Sensor Switch IPD) .....	151.97	10.86
<b>26 09 23 00-0470</b>			<b>Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch)</b>		
			<small>(26 09 23 00-0460)</small> Note: Includes passive infrared and microphonics detection		
26 09 23 00-0471	EA		Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT LV).....	230.13	10.86
26 09 23 00-0472	EA		Nightlight, Line Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT NL) .....	178.02	10.86
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.51	
26 09 23 00-0473	EA		Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT) .....	174.13	10.86
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.51	
26 09 23 00-0474	EA		Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT SA) .....	174.13	10.86
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.51	
26 09 23 00-0475	EA		2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT 2P) .....	204.07	10.86
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.51	
26 09 23 00-0476	EA		Single Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT).....	204.07	10.86
26 09 23 00-0477	EA		2-Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT 2P).....	219.71	10.86
<b>26 09 23 00-0478</b>			<b>Wall Switch Mount Occupancy Sensor Accessories (Sensor Switch)</b>		
			<small>(0460)</small>		
26 09 23 00-0479	EA		One Blank, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX).....	15.85	2.71
26 09 23 00-0480	EA		One Switch, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX) .....	15.85	2.71
26 09 23 00-0481	EA		Two Blanks, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX 3) .....	31.48	2.71
26 09 23 00-0482	EA		Two Switches, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX 3).....	31.48	2.71
<b>26 09 23 00-0483</b>			<b>360 Degree View Occupancy Sensors (Sensor Switch)</b>		
			<small>(26 09 23 00-0459)</small>		
<b>26 09 23 00-0484</b>			<b>Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch)</b>		
			<small>(23 00-0483)</small> Note: One photocell or dimming option per occupancy sensor		
26 09 23 00-0485	EA		Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 9) .....	205.17	24.42
26 09 23 00-0486	EA		Low Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 9) .....	205.17	24.42
26 09 23 00-0487	EA		Low Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 9) .....	205.17	24.42
26 09 23 00-0488	EA		Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9).....	218.20	24.42
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66	
26 09 23 00-0489	EA		Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9).....	218.20	24.42
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66	
26 09 23 00-0490	EA		Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9) .....	176.52	24.42
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66	
26 09 23 00-0491	EA		2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9 2P).....	270.30	24.42
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66	
26 09 23 00-0492	EA		2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9 2P).....	270.30	24.42
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66	
26 09 23 00-0493	EA		2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9 2P) .....	228.62	24.42
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66	
26 09 23 00-0494	EA		Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 10) .....	205.17	24.42
26 09 23 00-0495	EA		Low Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 10) .....	205.17	24.42
26 09 23 00-0496	EA		Low Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 10) .....	205.17	24.42
26 09 23 00-0497	EA		Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10).....	218.20	24.42
26 09 23 00-0498	EA		Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10).....	218.20	24.42
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66	
26 09 23 00-0499	EA		Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10) .....	176.52	24.42
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66	
26 09 23 00-0500	EA		2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10 2P).....	270.30	24.42
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66	
26 09 23 00-0501	EA		2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10 2P).....	270.30	24.42
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66	
26 09 23 00-0502	EA		2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10 2P) .....	228.62	24.42
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66	

## 26 Electrical

## 26 09 Instrumentation and Control for Electrical Systems

## 26 09 23 Lighting Control Devices

 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

		MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0503					<b>Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch)</b> <sup>(26 09 23 00-0483)</sup>		
					Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection		
26 09 23 00-0504	EA				Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 9).....	257.28	24.42
26 09 23 00-0505	EA				Low Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 9).....	257.28	24.42
26 09 23 00-0506	EA				Low Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 9).....	257.28	24.42
26 09 23 00-0507	EA				Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9).....	244.25	24.42
					<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66	
26 09 23 00-0508	EA				Single Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9).....	244.25	24.42
					<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66	
26 09 23 00-0509	EA				Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9).....	202.57	24.42
					<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66	
26 09 23 00-0510	EA				2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9 2P).....	296.36	24.42
					<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66	
26 09 23 00-0511	EA				2-Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9 2P).....	296.36	24.42
					<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66	
26 09 23 00-0512	EA				2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9 2P).....	254.67	24.42
					<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66	
26 09 23 00-0513	EA				Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 10).....	257.28	24.42
26 09 23 00-0514	EA				Low Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 10).....	257.28	24.42
26 09 23 00-0515	EA				Low Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 10).....	257.28	24.42
26 09 23 00-0516	EA				Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10).....	244.25	24.42
					<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66	
26 09 23 00-0517	EA				Single Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10).....	244.25	24.42
					<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66	
26 09 23 00-0518	EA				Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10).....	202.57	24.42
					<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66	
26 09 23 00-0519	EA				2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10 2P).....	296.36	24.42
					<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66	
26 09 23 00-0520	EA				2-Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10 2P).....	296.36	24.42
					<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66	
26 09 23 00-0521	EA				2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10 2P).....	254.67	24.42
					<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66	
26 09 23 00-0522					<b>Wide View And Hallway Occupancy Sensors (Sensor Switch)</b> <sup>(26 09 23 00-0459)</sup>		
26 09 23 00-0523					<b>Passive Infrared, Wide View And Hallway Occupancy Sensors (Sensor Switch)</b> <sup>(26 09 23 00-0522)</sup>		
26 09 23 00-0524	EA				Low Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV 16).....	205.17	24.42
26 09 23 00-0525	EA				Low Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HW 13).....	231.22	24.42
26 09 23 00-0526	EA				Line Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HWR 13).....	283.33	24.42
26 09 23 00-0527	EA				Single Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16).....	270.30	24.42
					<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66	
26 09 23 00-0528	EA				2-Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16 2P).....	322.41	24.42
					<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66	
26 09 23 00-0529					<b>Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch)</b> <sup>(26 09 23 00-0522)</sup>		
					Note: Includes passive infrared and microphonics detection		
26 09 23 00-0530	EA				Low Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV PDT 16).....	257.28	24.42
26 09 23 00-0531	EA				Single Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16).....	296.36	24.42
					<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66	
26 09 23 00-0532	EA				2-Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16 2P).....	348.46	24.42
					<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66	
26 09 23 00-0533					<b>High Bay Occupancy Sensors (Sensor Switch)</b> <sup>(26 09 23 00-0459)</sup>		
26 09 23 00-0534					<b>Passive Infrared, High Bay Occupancy Sensors (Sensor Switch)</b> <sup>(26 09 23 00-0533)</sup>		
26 09 23 00-0535	EA				Low Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CM 6).....	205.17	24.42
26 09 23 00-0536	EA				Low Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RM 6).....	205.17	24.42
26 09 23 00-0537	EA				Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMB 6).....	205.17	24.42

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0538	EA			Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6).....	176.52	24.42
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66	
26 09 23 00-0539	EA			Single Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6).....	176.52	24.42
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66	
26 09 23 00-0540	EA			Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6).....	176.52	24.42
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66	
26 09 23 00-0541	EA			2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 2P).....	228.62	24.42
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66	
26 09 23 00-0542	EA			2-Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 2P).....	228.62	24.42
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66	
26 09 23 00-0543	EA			2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 2P).....	228.62	24.42
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66	
26 09 23 00-0544	EA			208/240 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 208).....	194.75	24.42
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66	
26 09 23 00-0545	EA			208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 208).....	194.75	24.42
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66	
26 09 23 00-0546	EA			208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 208).....	194.75	24.42
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66	
26 09 23 00-0547	EA			480 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 480).....	194.75	24.42
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66	
26 09 23 00-0548	EA			480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 480).....	194.75	24.42
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66	
26 09 23 00-0549	EA			480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 480).....	194.75	24.42
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66	
26 09 23 00-0550	EA			Low Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 50).....	231.22	24.42
26 09 23 00-0551	EA			Low Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RM 50).....	231.22	24.42
26 09 23 00-0552	EA			Low Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMB 50).....	231.22	24.42
26 09 23 00-0553	EA			Single Pole, Line Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 50).....	280.72	24.42
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66	
26 09 23 00-0554	EA			Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50).....	280.72	24.42
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66	
26 09 23 00-0555	EA			Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50).....	280.72	24.42
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66	
26 09 23 00-0556	EA			2-Pole, Line Voltage, Recessed Mount, Passive Infrared, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 2P).....	246.86	24.42
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66	
26 09 23 00-0557	EA			2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 2P).....	246.86	24.42
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66	
26 09 23 00-0558	EA			208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 208).....	207.78	24.42
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66	
26 09 23 00-0559	EA			208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 208).....	207.78	24.42
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66	
26 09 23 00-0560	EA			480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 480).....	207.78	24.42
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66	
26 09 23 00-0561	EA			480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 480).....	207.78	24.42
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66	
26 09 23 00-0562	EA			Low Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 10).....	231.22	24.42
26 09 23 00-0563	EA			Low Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMB 10).....	231.22	24.42
26 09 23 00-0564	EA			Single Pole, Line Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 10).....	280.72	24.42
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66	
26 09 23 00-0565	EA			Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10).....	280.72	24.42
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66	
26 09 23 00-0566	EA			2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 2P).....	270.30	24.42
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66	
26 09 23 00-0567	EA			480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 480).....	244.25	24.42
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66	
26 09 23 00-0568	EA			208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 208).....	244.25	24.42
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66	

## 26 Electrical

## 26 09 Instrumentation and Control for Electrical Systems

## 26 09 23 Lighting Control Devices

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 09 23 00-0569		<b>Occupancy Sensor Power Packs (Sensor Switch)</b> (26 09 23 00-0458)			
26 09 23 00-0570	EA	Single Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20) .....	116.38		21.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.03		
26 09 23 00-0571	EA	2-Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20 2P) .....	168.48		21.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.03		
26 09 23 00-0572	EA	Single Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack Without Relay Circuit Protection (Sensor Switch MP20) .....	90.32		21.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.03		
26 09 23 00-0573	EA	2-Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Slave Pack Without Relay Circuit Protection (Sensor Switch MSP20) .....	82.51		21.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.03		
26 09 23 00-0574	EA	20 Amperes, 120/277 Volt AC, Occupancy Sensor Slave Pack (Sensor Switch SP20) .....	108.56		21.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.03		
26 09 23 00-0575	EA	120/277 Volt AC, High Intensity Discharge (HID) Power Pack With 20 Minute Start To High Override (Sensor Switch PP20 SH) .....	173.69		21.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.03		
26 09 23 00-0576	EA	120/277 Volt AC, 2-Pole, Power Pack With Alternating Relays (Sensor Switch PP 2PAR) .....	173.69		21.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.03		
26 09 23 00-0577	EA	120/277 Volt AC, Power Pack With Momentary Contacts For Latching Contactors Or Relays (Sensor Switch PP 2PM) .....	173.69		21.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.03		
26 09 23 00-0578		<b>Daylighting Control (Sensor Switch)</b> (26 09 23 00-0458)			
26 09 23 00-0579	EA	Low Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CM PC) .....	179.12		24.42
26 09 23 00-0580	EA	Low Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RM PC) .....	179.12		24.42
26 09 23 00-0581	EA	Low Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMB PC) .....	179.12		24.42
26 09 23 00-0582	EA	Line Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CMR PC) .....	179.12		24.42
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66		
26 09 23 00-0583	EA	Line Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RMR PC) .....	179.12		24.42
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66		
26 09 23 00-0584	EA	Line Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMRB PC) .....	179.12		24.42
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66		
26 09 23 00-0585	EA	Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CM ADC) .....	179.12		24.42
26 09 23 00-0586	EA	Low Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RM ADC) .....	179.12		24.42
26 09 23 00-0587	EA	Low Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMB ADC) .....	179.12		24.42
26 09 23 00-0588	EA	Line Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CMR ADC) .....	179.12		24.42
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66		
26 09 23 00-0589	EA	Line Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RMR ADC) .....	179.12		24.42
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66		
26 09 23 00-0590	EA	Line Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMRB ADC) .....	179.12		24.42
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66		
26 09 23 00-0591	EA	Low Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CM PC ADC) .....	257.28		24.42
26 09 23 00-0592	EA	Low Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RM PC ADC) .....	257.28		24.42
26 09 23 00-0593	EA	Low Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMB PC ADC) .....	257.28		24.42
26 09 23 00-0594	EA	Line Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMR PC ADC) .....	257.28		24.42
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66		
26 09 23 00-0595	EA	Line Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RMR PC ADC) .....	257.28		24.42
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66		
26 09 23 00-0596	EA	Line Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMRB PC ADC) .....	257.28		24.42
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66		
26 09 23 00-0597		<b>Occupancy Sensors (Sensor Switch nLight®)</b> (26 09 23)			
		Note: Includes testing of new devices and certification.			
26 09 23 00-0598		<b>Occupancy Sensors (Sensor Switch nLight®)</b> (26 09 23 00-0597)			
		Note: Excludes boxes.			
26 09 23 00-0599		<b>Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®)</b> (26 09 23 00-0598)			
26 09 23 00-0600		<b>Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®)</b> (26 09 23 00-0599)			
		Note: Includes passive infrared and microphonics detection			
26 09 23 00-0601	EA	Low Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor With Raise/Lower Dim Control (Sensor Switch nLight® nWSX PDT LV DX) .....	276.13		10.86
26 09 23 00-0602		<b>360 Degree View Occupancy Sensors (Sensor Switch nLight®)</b> (26 09 23 00-0598)			
26 09 23 00-0603		<b>Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch nLight®)</b> (26 09 23 00-0602)			
		Note: One photocell or dimming option per occupancy sensor			
26 09 23 00-0604	EA	Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 9) .....	328.44		24.42
26 09 23 00-0605	EA	Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 10) .....	328.44		24.42
26 09 23 00-0606	EA	Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor With Auto Dimming Control Photocell (Sensor Switch nLight® nCM 10 ADC) .....	328.44		24.42



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 09 23 00-0607			<b>Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch nLight®)</b> <small>(26 09 23 00-0602)</small> Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection		
26 09 23 00-0608	EA		Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 9).....	384.35	24.42
26 09 23 00-0609	EA		Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10).....	384.35	24.42
26 09 23 00-0610	EA		2-Channel, Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10 2P).....	398.31	24.42
26 09 23 00-0611			<b>Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®)</b> <small>(26 09 23 00-0598)</small>		
26 09 23 00-0612			<b>Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®)</b> <small>(26 09 23 00-0611)</small> Note: Includes passive infrared and microphonics detection		
26 09 23 00-0613	EA		Low Voltage, Dual Technology, Corner/Ceiling Mount, Wide View Occupancy Sensor (Sensor Switch nLight® nWV PDT 16) .....	384.35	24.42
26 09 23 00-0614			<b>High Bay Occupancy Sensors (Sensor Switch nLight®)</b> <small>(26 09 23 00-0598)</small>		
26 09 23 00-0615			<b>Passive Infrared, High Bay Occupancy Sensors (Sensor Switch nLight®)</b> <small>(26 09 23 00-0614)</small>		
26 09 23 00-0616	EA		Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch nLight® nCMB 6) .....	328.44	24.42
26 09 23 00-0617			<b>Occupancy Sensor Power Packs (Sensor Switch nLight®)</b> <small>(26 09 23 00-0597)</small>		
26 09 23 00-0618	EA		150mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-150).....	113.32	21.71
26 09 23 00-0619	EA		250mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-250).....	141.31	21.71
26 09 23 00-0620	EA		30mA/Port At 15 Volt DC Output, 120-277 Volt AC Input, Dimming Power Pack (Sensor Switch nLight® nEPP5 D KO) .....	188.81	21.71
26 09 23 00-0621	EA		System Power Pack and Relay, Switching Module (Sensor Switch nLight® nPP 16) .....	188.81	21.71
26 09 23 00-0622			<b>Occupancy Sensor Accessories (Sensor Switch nLight®)</b> <small>(26 09 23 00-0597)</small>		
26 09 23 00-0623	EA		RS232 AV Integrator (Sensor Switch nLight® nIO X).....	398.31	24.42
26 09 23 00-0624	EA		8 Port, Aggregation Bridge With Power Supply (Sensor Switch nLight® nBRG 8 KIT) .....	322.63	24.42
26 09 23 00-0625			<b>Daylighting Controls (Sensor Switch nLight®)</b> <small>(26 09 23 00-0597)</small>		
26 09 23 00-0626	EA		Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch nLight® nCM ADC) .....	272.52	24.42
26 09 23 00-0627			<b>Controls (Sensor Switch nLight®)</b> <small>(26 09 23 00-0597)</small>		
26 09 23 00-0628	EA		On/Off And Raise/Lower Control, Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM DX).....	180.27	24.42
26 09 23 00-0629	EA		1 Scene Controller (2 Buttons), Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM 1SB).....	258.57	24.42
26 09 23 00-0630	EA		On/Off Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM) .....	594.04	24.42
26 09 23 00-0631	EA		3-1/2" Screen, High Resolution Touch Screen Controller, WallPod® Station (Sensor Switch nLight® nPOD GFX) .....	594.04	24.42
26 09 23 00-0632	EA		3-1/2" Screen, Touch Screen Clock And Network Interface Controller, Gateway (Sensor Switch nLight® nGWY2).....	2,215.60	24.42
26 09 23 00-0633			<b>Occupancy Sensors (Lutron)</b> <small>(26 09 23)</small> Note: Includes testing of new devices and certification.		
26 09 23 00-0634			<b>Wireless Occupancy Sensors</b> <small>(26 09 23 00-0633)</small>		
26 09 23 00-0635	EA		Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Occupancy/Vacancy Sensor (Lutron® LRF2-OCR2B-P-WH) .....	134.97	24.42
26 09 23 00-0636	EA		Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Vacancy Sensor (Lutron® LRF2-VCR2B-P-WH) .....	140.73	24.42
26 09 23 00-0637	EA		Wireless, Passive Infrared, Hallway Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OHLB-P-WH) .....	136.34	24.42
26 09 23 00-0638	EA		Wireless, Passive Infrared, Hallway Wall Mount, Vacancy Sensor (Lutron® LRF2-VHLB-P-WH).....	143.99	24.42
26 09 23 00-0639	EA		Wireless, Passive Infrared, 90 Degree Corner Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OKLB-P-WH) .....	138.05	24.42
26 09 23 00-0640	EA		Wireless, Passive Infrared, 90 Degree Corner Mount, Vacancy Sensor (Lutron® LRF2-VKLB-P-WH).....	143.99	24.42
26 09 23 00-0641	EA		Wireless, Passive Infrared, 180 Degree Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OWLB-P-WH) .....	134.97	24.42
26 09 23 00-0642	EA		Wireless, Passive Infrared, 180 Degree Wall Mount, Vacancy Sensor (Lutron® LRF2-VWLB-P-WH).....	138.05	24.42
26 09 23 00-0643	EA		Wireless, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Lutron® FHB140NP24V).....	136.34	24.42
26 09 23 00-0644	EA		Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-500-WH) .....	208.39	24.42
26 09 23 00-0645	EA		Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-500R-WH).....	222.12	24.42
26 09 23 00-0646	EA		Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-1000-WH) .....	253.00	24.42
26 09 23 00-0647	EA		Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-1000R-WH).....	266.72	24.42
26 09 23 00-0648	EA		Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CDT-2000-WH) .....	273.59	24.42
26 09 23 00-0649	EA		Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-2000R-WH).....	287.31	24.42
26 09 23 00-0650	EA		Wireless, Passive Infrared, Ceiling Mount, 450 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-450-WH) .....	165.16	24.42

**26 Electrical****26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**
 MINOR  
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26 09 23 00-0651	EA	Wireless, Passive Infrared, Ceiling Mount, 1,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-1500-WH).....	174.08	24.42
26 09 23 00-0652	EA	Wireless, Ultrasonic, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-500-WH).....	203.25	24.42
26 09 23 00-0653	EA	Wireless, Ultrasonic, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-1000-WH).....	225.55	24.42
26 09 23 00-0654	EA	Wireless, Ultrasonic, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CUS-2000-WH).....	242.71	24.42
26 09 23 00-0655	EA	Wireless, Passive Infrared, 1,600 SF Coverage, 110 Degree Wall Mount, Occupancy Sensor (Lutron® LOS-WIR-WH).....	210.11	24.42
26 09 23 00-0656	EA	Wireless, Passive Infrared, RF Daylight Sensor (Lutron® LRF2-DCRB-WH).....	193.41	24.42
26 09 23 00-0657	EA	Wireless, Dual Technology, Wall Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-SIR-HD-WH).....	162.41	24.42
26 09 23 00-0658	EA	Wireless, Dual Technology, Wall Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor, Dual Circuit (Lutron® LOS-S2IR-HD-WH).....	198.96	24.42
26 09 23 00-0659	EA	Wireless, Switch and Ceiling Retrofit Sensor (Lutron® MRF2-1S8A-10C).....	240.81	24.42
26 09 23 00-0660	EA	Wireless, Switch and Hallway Retrofit Sensor (Lutron® MRF2-1S8A-10H).....	255.34	24.42
26 09 23 00-0661	EA	Wireless, Switch and Corner Retrofit Sensor (Lutron® MRF2-1S8A-10K).....	255.34	24.42
26 09 23 00-0662	EA	Wireless, Switch and Wall Retrofit Sensor (Lutron® MRF2-1S8A-10W).....	255.34	24.42
26 09 23 00-0663	EA	Wireless, Switch and Vacancy Retrofit Sensor (Lutron® MRF2-1S8A-10V).....	268.66	24.42
26 09 23 00-0664	EA	Wireless, Two Switchs and Wall Retrofit Sensor (Lutron® MRF2-2S8A-10W).....	435.09	35.28

**26 09 23 00-0665 Nodes And Modules** (26 09 23 00-0633)

26 09 23 00-0666	EA	0 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-C).....	216.97	24.42
26 09 23 00-0667	EA	0 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-J).....	216.97	24.42
26 09 23 00-0668	EA	4 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-C).....	273.59	24.42
26 09 23 00-0669	EA	4 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-J).....	273.59	24.42
26 09 23 00-0670	EA	120 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-120-WH).....	349.35	27.15
26 09 23 00-0671	EA	120 Volt, Gang Box Mount, Switching Power Module (Lutron® PHPM-SW-DV-WH).....	349.35	27.15
26 09 23 00-0672	EA	120 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-120-WH).....	423.12	27.15
26 09 23 00-0673	EA	120 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-120-WH).....	433.41	27.15
26 09 23 00-0674	EA	120/277 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-DV-WH).....	534.63	27.15
26 09 23 00-0675	EA	120/277 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-DV-WH).....	567.23	27.15
26 09 23 00-0676	EA	120/277 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-DV-WH).....	599.82	27.15
26 09 23 00-0677	EA	1 Circuit, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-2).....	1,618.02	43.43
26 09 23 00-0678	EA	2 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-4).....	1,590.29	48.86
26 09 23 00-0679	EA	3 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-6).....	2,330.28	54.28

**26 09 23 00-0680 Other Accessories** (26 09 23 00-0633)

26 09 23 00-0681	EA	Pico® Wireless Control Wallplate Adapter (Lutron® PJ).....	35.87	
26 09 23 00-0682	EA	Pico® Wireless Control (Lutron® PJ).....	44.19	
26 09 23 00-0683	EA	4-Scene Wireless Remote Control (Lutron® GRX-IT-WH).....	130.93	
26 09 23 00-0684	EA	8-Scene Wireless Remote Control (Lutron® GRX-8IT-WH).....	249.31	
26 09 23 00-0685	EA	4 Button, EcoSystem® Wall Control With Raise/Lower (Lutron® CC-4BRL).....	263.69	24.42
26 09 23 00-0686	EA	seeTouch® QS Wallstation (Lutron® QSWS2).....	333.22	24.42
26 09 23 00-0687	EA	seeTouch® QS Wallstation With Infrared Receiver (Lutron® QSWS2).....	333.22	24.42
26 09 23 00-0688	EA	120/277 Volt, Energi Savr Node™ With Softswitch®, Fixture Controller (Lutron® QSN-4S16-S).....	544.92	27.15
26 09 23 00-0689	EA	120/277 Volt, Energi Savr Node™ For 0-10 V Models, Fixture Controller (Lutron® QSN-4T16-S).....	745.65	27.15
26 09 23 00-0690	EA	Control Interface (Lutron® QSE-CI-NWK-E).....	896.35	24.42
26 09 23 00-0691	EA	1 EcoSystem® Digital Link, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-1ECO-S).....	889.50	24.42
26 09 23 00-0692	EA	2 EcoSystem® Digital Links, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-2ECO-S).....	1,189.73	24.42
26 09 23 00-0693	MLF	5 Conductor, Non-Plenum, Low Voltage Grafik Eye Cable (Lutron® GRX-CBL-346S).....	2,031.90	758.62
26 09 23 00-0694	MLF	5 Conductor, Plenum Rated, Low Voltage Grafik Eye Cable (Lutron® GRX-PCBL-346S).....	2,718.14	758.62

**26 09 23 00-0695 Fixture Mounted Occupancy Sensors (Leviton)** (26 09 23)

Note: Includes testing of new devices and certification.

26 09 23 00-0696	EA	120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-ITW).....	129.48	24.42
26 09 23 00-0697	EA	480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-14W).....	113.69	24.42
26 09 23 00-0698	EA	120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-CTW).....	142.51	24.42
26 09 23 00-0699	EA	480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-C4W).....	113.69	24.42
26 09 23 00-0700	EA	120-347 Volt, Dual Detection Occupancy Wall Sensor Switch (Lithonia WSX-PDT).....	185.40	10.84

**26 09 23 00-0701 Wireless Enabled Communication Devices For Streetlights** (26 09 23)

Note: Includes testing of new devices and certification.

**26 09 23 00-0702 Wireless Enabled Communication Nodes For Streetlights (Roam®)** (26 09 23 00-0701)

26 09 23 00-0703	EA	120/244/277 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN127 NM1).....	282.42	
26 09 23 00-0704	EA	480 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN480 NM1).....	394.25	

**26 09 23 00-0705 Wireless Enabled Communication Devices For Streetlights (Roam®)** (26 09 23 00-0701)

26 09 23 00-0706	EA	Retrofit Receptacle Kit (Roam® DUR103).....	50.38	
Note: For adapting light fixtures for use with a NEMA locking type photocontrol.				
26 09 23 00-0707	EA	Wireless Enabled Backbone And Data Backhaul Device, Gateway (Roam® REG127).....	11,306.32	61.57

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 09 23 00-0708			<b>Counter Mounted Consolets</b> <small>(26 09 23)</small>		
26 09 23 00-0709	EA		20" x 24" Type 12, Oil Tight Consolets, Counter Mounted (Schaefer's SPCL-20C24).....	569.72	135.46
26 09 23 00-0710			<b>Lighting Console And Stations</b> <small>(26 09 23)</small>		
26 09 23 00-0711	EA		80 Channel, 40 Faders, Lighting Console (ETC ColorSource CS 40) .....	4,009.14	135.46
			<i>For Lighting Console Dust Cover (ETC ColorSource CS40DC), Add</i>	86.44	
			<i>For Lighting Console Case (ETC ColorSourcePart 11866), Add</i>	921.69	
26 09 23 00-0712	EA		10 Preset, Lighting Control Station (Doug Fleenor PRE10-A2) .....	2,767.51	81.28
26 09 23 00-0713			<b>Theatre Lighting Console</b> <small>(26 09 23)</small>		
26 09 23 00-0714	EA		Theatre Lighting Console (ETC Colorsouce 20) .....	2,887.58	162.56
26 09 23 00-0715			<b>Emergency Lighting Controls</b> <small>(26 09 23)</small>		
26 09 23 00-0716			<b>Emergency Lighting Control Units (Watt Stopper ELCU)</b> <small>(26 09 23 00-0715)</small>		
			<i>Note: The ELCU monitors a single circuit and can be wired either as a control device, so that emergency lighting follows the control of normal lighting, or as a bypass device to shunt emergency power around a control device when normal power fails. Includes integral push-to-test button and LED indicator for emergency and normal power.</i>		
26 09 23 00-0717	EA		DIN Rail Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-100) .....	190.63	27.15
26 09 23 00-0718	EA		1/2" Knockout Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-200) .....	190.63	27.15
26 09 23 00-0719			<b>Emergency Shunt Relays (Lighting Control &amp; Design GR 2001™)</b> <small>(26 09 23 00-0715)</small>		
			<i>Note: Normally-closed, electrically-held relay to be wired in parallel with a wall switch. Manually controlled emergency lighting will be automatically shunted on during a power outage. Includes two-gang NEMA 1 junction box, voltage-separating barrier and plaster ring separating normal and emergency power. Excludes wall plate and switch.</i>		
26 09 23 00-0720	EA		1 Emergency Shunt Relay And NEMA 1 Enclosure (Lighting Control & Design GR 2001™) .....	328.56	38.00
26 09 23 00-0721	EA		2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™) .....	447.53	43.43
26 09 23 00-0722	EA		2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™ Dual) .....	602.82	48.86
			<i>Note: Controls normal and emergency lighting from single-pole wall switch.</i>		
26 09 23 00-0723			<b>Photocells</b> <small>(26 09 23)</small>		
26 09 23 00-0724	EA		Plug-In Photocell For Lighting Fixtures (Intermac® LC2000).....	82.52	
26 09 23 00-0725	EA		Wired Photocell For Lighting Fixtures (Intermac® K4021C) .....	191.33	
26 09 23 00-0726			<b>Outdoor Lighting Motion Sensors</b> <small>(26 09 23)</small>		
26 09 23 00-0727	EA		70' Range, 180 Degree Detection Zone, 8 Amperes, Switching Capacity, Polycarbonate Housing, Outdoor Motion Sensor (Lithonia OMS 1000) .....	108.58	27.15
26 09 23 00-0728	EA		70' Range, 200 Degree Detection Zone, 10 Amperes, Switching Capacity, Cast Aluminum Housing, Outdoor Motion Sensor (Lithonia OMS 2000) .....	118.42	27.15
26 09 23 00-0729	EA		30' Range, 360 Degree Detection Zone, Line Voltage, Plastic Housing, IP66 Rated, Outdoor Motion Sensor With Photocell (SensorSwitch SBOR) .....	483.91	27.15
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.28	
26 09 23 00-0730			<b>Street Light Controls</b> <small>(26 09 23)</small>		
26 09 23 00-0731			<b>Photo Controls</b> <small>(26 09 23 00-0730)</small>		
26 09 23 00-0732	EA		Photo Control, 120 Volt As Manufactured By Cooper Lighting #RA1014 .....	91.57	
26 09 23 00-0733	EA		Photo Control, Multi-Tap As Manufactured By Cooper Lighting #RA1016.....	105.65	
26 09 23 00-0734			<b>Connector Node</b> <small>(26 09 23 00-0730)</small>		
26 09 23 00-0735	EA		Outdoor Lighting Connector Node (Philips City Touch LLC7260).....	438.83	2.95

**26 10 Medium-Voltage Electrical Distribution** (26)

**26 11 Substations** (26 10)

**26 11 13 Primary Unit Substations** (26 11)

26 11 13 00-0001			<b>"Switchyard" Substation Primary Incoming Section</b> <small>(26 11 13)</small>		
26 11 13 00-0002			<b>Outdoor Oil Circuit Breakers "Switchyard"</b> <small>(26 11 13 00-0001)</small>		
			<i>Note: Type SP 14.4 thru 69 KV 1200 amp. Frame mounted. Standard equipment</i>		
26 11 13 00-0003	EA		14.4 KV, 500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation.....	55,369.14	1,887.87
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,152.16	
26 11 13 00-0004	EA		23.0 KV, 750 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation.....	67,923.21	2,387.59
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,440.19	
26 11 13 00-0005	EA		34.5 KV, 1,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation.....	76,940.71	2,387.59
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,440.19	
26 11 13 00-0006	EA		46 KV, 2,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation.....	88,468.83	2,387.59
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,536.21	
26 11 13 00-0007	EA		69 KV, 3,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation.....	100,369.71	2,942.85
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,772.55	
26 11 13 00-0008			<b>Accessories For Outdoor Oil Circuit Breakers</b> <small>(26 11 13 00-0001)</small>		

**26 Electrical**  
**26 10 Medium-Voltage Electrical Distribution**  
**26 11 Substations**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0009	EA		Reclosure Relay, Adjustable, 3 Shot, #179..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,519.01 117.25	198.01
26 11 13 00-0010	EA		Overcurrent Relay, 1 Phase, #51/51N..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	481.96 78.20	143.56
26 11 13 00-0011	EA		Directional Overcurrent Relay, Three-Phase, Device No. 67..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	721.83 97.44	143.56
26 11 13 00-0012	EA		Voltage Relay, Under Or Over- Voltage, Device No. 27 Or 59, Three-Phase..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	570.91 78.20	143.56
26 11 13 00-0013	EA		Differential Relay Package, Complete, Device No. 87..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,135.72 292.93	485.13
26 11 13 00-0014			<b>"Switchyard", Substation Transformer Section</b> <small>(26 11 13)</small> Note: Standard NEMA design two winding three phase, 60 Hz. oil filled load tap changer 10% Range		
26 11 13 00-0015			<b>14.4 KV Nominal Primary</b> <small>(26 11 13 00-0014)</small>		
26 11 13 00-0016	EA		1,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled..... <i>For 50 Hz Operation, Add</i> <i>For Forced Air Cooling, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	31,908.65 3,368.18 3,368.18 842.04 280.68 1,403.41 3,508.52 4,210.22	1,887.87
26 11 13 00-0017	EA		2,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled..... <i>For 50 Hz Operation, Add</i> <i>For Forced Air Cooling, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	36,488.38 3,802.53 3,802.53 950.63 316.88 1,584.39 3,960.97 4,753.16	2,365.39
26 11 13 00-0018	EA		5,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled..... <i>For 50 Hz Operation, Add</i> <i>For Forced Air Cooling, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	56,135.24 5,916.92 5,916.92 1,479.23 493.08 2,465.38 6,163.46 7,396.15	3,331.53
26 11 13 00-0019	EA		7,500 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled..... <i>For 50 Hz Operation, Add</i> <i>For Forced Air Cooling, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	81,420.78 8,724.98 8,724.98 2,181.24 727.08 3,635.41 9,088.52 10,906.22	4,039.49
26 11 13 00-0020	EA		10,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled..... <i>For 50 Hz Operation, Add</i> <i>For Forced Air Cooling, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	100,313.52 10,730.73 10,730.73 2,682.68 894.23 4,471.14 11,177.84 13,413.41	5,227.58
26 11 13 00-0021			<b>23 KV Nominal Primary</b> <small>(26 11 13 00-0014)</small>		
26 11 13 00-0022	EA		1,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled..... <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	35,676.28 3,705.08 926.27 308.76 1,543.78 3,859.46 4,631.35 2,470.05	2,554.18
26 11 13 00-0023	EA		2,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled..... <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	40,735.22 4,192.59 1,048.15 349.38 1,746.91 4,367.28 5,240.73 2,795.06	2,554.18
26 11 13 00-0024	EA		5,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled..... <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	65,345.97 6,919.79 1,729.95 576.65 2,883.25 7,208.12 8,649.74 4,613.20	3,775.73
26 11 13 00-0025	EA		7,500 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled..... <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	87,777.61 9,226.42 2,306.60 768.87 3,844.34 9,610.85 11,533.02 6,150.95	5,227.58

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0026 EA 10,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled .....	108,670.81	5,227.58
For 50 Hz Operation, Add	11,733.60	
For External Control Panel, Add	2,933.40	
For Internally Mounted Current Transformers And Linear Couplers, Add	977.80	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	4,889.00	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	12,222.50	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	14,667.00	
For Forced Air Cooling, Add	7,822.40	
<b>26 11 13 00-0027 34.5 KV Nominal Primary <small>(26 11 13 00-0014)</small></b>		
26 11 13 00-0028 EA 1,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled .....	44,797.79	3,053.90
For 50 Hz Operation, Add	4,680.09	
For External Control Panel, Add	1,170.02	
For Internally Mounted Current Transformers And Linear Couplers, Add	390.01	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	1,950.04	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	4,875.10	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	5,850.12	
For Forced Air Cooling, Add	3,120.06	
26 11 13 00-0029 EA 2,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled .....	54,108.67	4,775.20
For 50 Hz Operation, Add	5,655.11	
For External Control Panel, Add	1,413.78	
For Internally Mounted Current Transformers And Linear Couplers, Add	471.26	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,356.30	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	5,890.74	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	7,068.89	
For Forced Air Cooling, Add	3,770.07	
26 11 13 00-0030 EA 5,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled .....	74,788.21	4,775.20
For 50 Hz Operation, Add	7,822.43	
For External Control Panel, Add	1,955.61	
For Internally Mounted Current Transformers And Linear Couplers, Add	651.87	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,259.35	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	8,148.37	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	9,778.04	
For Forced Air Cooling, Add	5,214.95	
26 11 13 00-0031 EA 7,500 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled .....	96,134.84	5,108.78
For 50 Hz Operation, Add	10,229.29	
For External Control Panel, Add	2,557.32	
For Internally Mounted Current Transformers And Linear Couplers, Add	852.44	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	4,262.20	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	10,655.51	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	12,786.61	
For Forced Air Cooling, Add	6,819.52	
26 11 13 00-0032 EA 10,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled .....	166,042.54	6,534.48
For 50 Hz Operation, Add	18,252.28	
For External Control Panel, Add	4,563.07	
For Internally Mounted Current Transformers And Linear Couplers, Add	1,521.02	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	7,605.12	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	19,012.79	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	22,815.35	
For Forced Air Cooling, Add	12,168.19	
<b>26 11 13 00-0033 46 KV Nominal Primary <small>(26 11 13 00-0014)</small></b>		
26 11 13 00-0034 EA 1,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled .....	68,679.61	3,553.63
For 50 Hz Operation, Add	7,403.62	
For External Control Panel, Add	1,850.91	
For Internally Mounted Current Transformers And Linear Couplers, Add	616.97	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,084.84	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	7,712.11	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	9,254.53	
For Forced Air Cooling, Add	4,935.75	
26 11 13 00-0035 EA 2,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled .....	77,627.69	3,553.63
For 50 Hz Operation, Add	8,393.60	
For External Control Panel, Add	2,098.40	
For Internally Mounted Current Transformers And Linear Couplers, Add	699.47	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,497.33	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	8,743.33	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	10,492.00	
For Forced Air Cooling, Add	5,595.73	
26 11 13 00-0036 EA 5,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled .....	107,523.67	4,775.20
For 50 Hz Operation, Add	11,750.69	
For External Control Panel, Add	2,937.67	
For Internally Mounted Current Transformers And Linear Couplers, Add	979.22	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	4,896.12	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	12,240.30	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	14,688.36	
For Forced Air Cooling, Add	7,833.79	
26 11 13 00-0037 EA 7,500 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled .....	131,605.45	6,534.48
For 50 Hz Operation, Add	14,119.83	
For External Control Panel, Add	3,529.96	
For Internally Mounted Current Transformers And Linear Couplers, Add	1,176.65	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	5,883.26	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	14,708.15	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	17,649.78	
For Forced Air Cooling, Add	9,413.22	

**26 Electrical**  
**26 10 Medium-Voltage Electrical Distribution**  
**26 11 Substations**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 11 13 00-0038	EA 10,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled..... For 50 Hz Operation, Add For External Control Panel, Add For Internally Mounted Current Transformers And Linear Couplers, Add For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add For Forced Air Cooling, Add	186,987.50 20,765.67 5,191.42 1,730.47 8,652.36 21,630.91 25,957.09 13,843.78	6,534.48
<b>26 11 13 00-0039</b>	<b>69 KV Nominal Primary (26 11 13 00-0014)</b>		
26 11 13 00-0040	EA 1,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled..... For 50 Hz Operation, Add For External Control Panel, Add For Internally Mounted Current Transformers And Linear Couplers, Add For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add For Forced Air Cooling, Add	98,841.51 10,939.26 2,734.81 911.60 4,558.02 11,395.06 13,674.07 7,292.84	3,775.73
26 11 13 00-0041	EA 2,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled..... For 50 Hz Operation, Add For External Control Panel, Add For Internally Mounted Current Transformers And Linear Couplers, Add For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add For Forced Air Cooling, Add	113,530.24 12,471.47 3,117.87 1,039.29 5,196.45 12,991.12 15,589.34 8,314.32	4,775.20
26 11 13 00-0042	EA 5,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled..... For 50 Hz Operation, Add For External Control Panel, Add For Internally Mounted Current Transformers And Linear Couplers, Add For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add For Forced Air Cooling, Add	155,990.55 17,566.71 4,391.68 1,463.89 7,319.46 18,298.66 21,958.39 11,711.14	4,775.20
26 11 13 00-0043	EA 7,500 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled..... For 50 Hz Operation, Add For External Control Panel, Add For Internally Mounted Current Transformers And Linear Couplers, Add For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add For Forced Air Cooling, Add	165,434.85 18,179.36 4,544.84 1,514.95 7,574.73 18,936.83 22,724.19 12,119.57	6,534.48
26 11 13 00-0044	EA 10,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled..... For 50 Hz Operation, Add For External Control Panel, Add For Internally Mounted Current Transformers And Linear Couplers, Add For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add For Forced Air Cooling, Add	216,576.36 24,316.34 6,079.08 2,026.36 10,131.81 25,329.52 30,395.42 16,210.89	6,534.48
<b>26 11 13 00-0045</b>	<b>Circuit Breakers Fluarc SF6 13.8 KV (26 11 13)</b>		
26 11 13 00-0046	EA 1,200 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	59,255.51	943.36
26 11 13 00-0047	EA 1,200 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	65,054.13	943.36
26 11 13 00-0048	EA 1,200 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	74,071.19	1,171.80
26 11 13 00-0049	EA 2,000 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	69,280.62	1,409.04
26 11 13 00-0050	EA 2,000 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	78,040.66	1,409.04
26 11 13 00-0051	EA 2,000 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	89,034.37	1,636.98
26 11 13 00-0052	EA 3,000 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	91,795.13	1,870.25
26 11 13 00-0053	EA 3,000 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	102,701.87	1,870.25
26 11 13 00-0054	EA 3,000 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	107,653.25	2,100.31
<b>26 11 16</b>	<b>Secondary Unit Substations (26 11)</b>		
<b>26 11 16 11</b>	<b>Secondary Unit Substations with Switchgear Secondary (26 11 16)</b>		
26 11 16 11-0001	Substation Primary Incoming Section (26 11 16 11)		
26 11 16 11-0002	Manual Transferring Fused Load Break Switches (26 11 16 11-0001) Note: 15 KV 600 Amp 3 pole 2 position floor mounted. Type, metal compartment includes weatherproofing, fuses, transformer throat, pothead terminations thru 500 MCM, with surge protection. Manual transferring of one line to an alternate incoming line.		
26 11 16 11-0003	EA 112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position.....	32,715.31	1,385.28
26 11 16 11-0004	EA 2,000 And 2,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position.....	37,722.91	1,385.28
26 11 16 11-0005	Automatic Transferring Fused Load Break Switches (26 11 16 11-0001) Note: Items are equipped with 3 pole - 2 position selector switch for automatic transferring one line to an alternate incoming line.		
26 11 16 11-0006	EA 112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position Selector Switch.....	46,244.00	1,385.28
26 11 16 11-0007	EA 2,000 And 2,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position Selector Switch.....	49,502.98	1,385.28
26 11 16 11-0008	Accessories For Substation Fused Load Break Switches (26 11 16 11-0001)		
26 11 16 11-0009	EA Primary Lightning Arrestors Accessories, Secondary Distribution Section.....	7,068.59	
26 11 16 11-0010	EA Key Interlock Accessories, Secondary Distribution Section.....	688.04	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>26 11 16 11-0011</b>	<b>Oil Filled Substation Transformers</b> <small>(26 11 16 11)</small> Note: 112-1/2 KVA thru 2500 KVA standard NEMA design 3 phase cover mounted manual tap changer, liquid level gauge with alarm contacts, thermometer with alarm contacts, pressure vacuum gauge, automatic control for auxiliary cooling equipment. Weatherproof.		
<b>26 11 16 11-0012</b>	<b>Substation, Primary 13.8 KV Secondary 480Y/277 Or 480 Volt, 60 HZ</b> <small>(26 11 16 11-0012)</small>		
26 11 16 11-0013	EA 75 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	13,352.47 818.07 350.60 116.87	832.88
26 11 16 11-0014	EA 112.5 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	19,454.55 1,221.89 523.67 174.56	999.46
26 11 16 11-0015	EA 150 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	22,004.94 1,384.87 593.52 197.84	1,110.51
26 11 16 11-0016	EA 225 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	26,089.41 1,631.92 699.39 233.13	1,388.14
26 11 16 11-0017	EA 300 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	29,207.34 1,803.53 772.94 257.65	1,721.29
26 11 16 11-0018	EA 500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	31,417.79 1,903.85 815.94 271.98	2,109.97
26 11 16 11-0019	EA 750 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	36,830.13 2,220.52 951.65 317.22	2,554.18
26 11 16 11-0020	EA 1,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	39,280.20 2,360.94 1,011.83 337.28	2,776.28
26 11 16 11-0021	EA 1,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	43,860.19 2,642.67 1,132.57 377.52	3,053.90
26 11 16 11-0022	EA 2,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	50,626.34 3,069.66 1,315.57 438.52	3,387.06
26 11 16 11-0023	EA 2,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	55,573.44 3,373.20 1,445.66 481.89	3,692.45
<b>26 11 16 11-0024</b>	<b>Substation, Primary 13.8 KV Secondary 208Y/120 Volt, 60 HZ</b> <small>(26 11 16 11-0024)</small>		
26 11 16 11-0025	EA 75 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	12,769.43 777.26 333.11 111.04	832.88
26 11 16 11-0026	EA 112.5 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	18,932.35 1,208.66 518.00 172.67	832.88
26 11 16 11-0027	EA 150 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	21,992.03 1,383.97 593.13 197.71	1,110.51
26 11 16 11-0028	EA 225 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	26,111.60 1,633.47 700.06 233.35	1,388.14
26 11 16 11-0029	EA 300 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	31,472.87 1,962.12 840.91 280.30	1,721.29
26 11 16 11-0030	EA 500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	34,238.78 2,101.32 900.57 300.19	2,109.97
26 11 16 11-0031	EA 750 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	38,132.75 2,311.71 990.73 330.24	2,554.18
26 11 16 11-0032	EA 1,000 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	41,524.09 2,518.01 1,079.15 359.72	2,776.28

**26 Electrical**  
**26 10 Medium-Voltage Electrical Distribution**  
**26 11 Substations**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0033	EA		1,500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	46,761.88 2,845.78 1,219.62 406.54	3,053.90
<b>26 11 16 11-0034</b>			<b>Accessories For Oil Filled Substation Transformers (26 11 16 11-0011)</b>		
26 11 16 11-0035	EA		Sudden Pressure Relay .....	3,542.19	
26 11 16 11-0036	EA		Throats Or Flanges (HV Or LV) .....	7,032.45	
26 11 16 11-0037	EA		Lightning Arrestors (3 - 1 Pole).....	4,630.60	
26 11 16 11-0038	EA		Single Feeder Switch With Fuses 3 Pole, 2 Position, Open-Close Close) Fuse Type - CLE (80E To 125 X).....	25,697.51	
26 11 16 11-0039	EA		Oil Fuse Cutout, 15 KV, 200 Amperes, Free Standing Air Filled Terminal Compartment, 15 KV - 200 Amp Cutout.....	24,042.58	
<b>26 11 16 11-0040</b>			<b>Reinforced Concrete Curb With 6" Slab (26 11 16 11-0011)</b> Note: For transformer liquid containment area.		
26 11 16 11-0041	EA		112.5 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area .....	4,228.91	1,210.91
26 11 16 11-0042	EA		150 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area .....	4,228.91	1,210.91
26 11 16 11-0043	EA		225 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area .....	4,228.91	1,210.91
26 11 16 11-0044	EA		300 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area .....	4,228.91	1,210.91
26 11 16 11-0045	EA		500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area .....	4,228.91	1,210.91
26 11 16 11-0046	EA		750 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area .....	4,228.91	1,210.91
26 11 16 11-0047	EA		1,000 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area .....	4,228.91	1,210.91
26 11 16 11-0048	EA		1,500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area .....	4,951.30	1,396.19
<b>26 11 16 11-0049</b>			<b>Dry Type Substation Transformer (26 11 16 11)</b> Note: Standard NEMA design 3 phase - 150 C rise - 60 Hz self-cooled, ventilated.		
<b>26 11 16 11-0050</b>			<b>Primary 4.16 Or 4.8 KV Secondary 208 Y/120 Or 240 Volt (26 11 16 11-0049)</b> Note: Primary 4.16 or 4.8 KV (delta or wye).		
26 11 16 11-0051	EA		112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	22,872.26	888.41
			For Gas Filled Transformers, Add	12,657.26	
			For Single Phase Transformers, Deduct	-527.39	
			For Dry Type Unit, Add	4,818.68	
26 11 16 11-0052	EA		150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	22,983.31	943.94
			For Gas Filled Transformers, Add	12,657.26	
			For Single Phase Transformers, Deduct	-527.39	
			For Dry Type Unit, Add	4,829.78	
26 11 16 11-0053	EA		225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	23,591.24	1,110.51
			For Gas Filled Transformers, Add	12,822.13	
			For Single Phase Transformers, Deduct	-534.26	
			For Dry Type Unit, Add	4,923.55	
26 11 16 11-0054	EA		300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	26,035.39	1,221.57
			For Gas Filled Transformers, Add	14,155.36	
			For Single Phase Transformers, Deduct	-589.81	
			For Dry Type Unit, Add	5,434.61	
26 11 16 11-0055	EA		500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	28,963.45	1,443.67
			For Gas Filled Transformers, Add	15,645.67	
			For Single Phase Transformers, Deduct	-651.90	
			For Dry Type Unit, Add	6,025.48	
26 11 16 11-0056	EA		750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	33,551.01	1,665.77
			For Gas Filled Transformers, Add	18,131.69	
			For Single Phase Transformers, Deduct	-755.49	
			For Dry Type Unit, Add	6,981.44	
26 11 16 11-0057	EA		1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	39,003.28	1,998.92
			For Gas Filled Transformers, Add	21,003.26	
			For Single Phase Transformers, Deduct	-875.14	
			For Dry Type Unit, Add	8,100.98	
26 11 16 11-0058	EA		1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	45,994.64	2,221.02
			For Gas Filled Transformers, Add	24,931.56	
			For Single Phase Transformers, Deduct	-1,038.82	
			For Dry Type Unit, Add	9,585.78	
26 11 16 11-0059	EA		2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	59,187.73	2,332.08
			For Gas Filled Transformers, Add	32,714.15	
			For Single Phase Transformers, Deduct	-1,363.09	
			For Dry Type Unit, Add	12,461.60	
<b>26 11 16 11-0060</b>			<b>Primary 4.16 Or 4.8 KV Secondary 480 Y/277 Or 480 Volt (26 11 16 11-0049)</b> Note: Primary 4.16 or 4.8 KV (delta or wye).		
26 11 16 11-0061	EA		112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	22,123.64	888.41
			For Gas Filled Transformers, Add	12,208.09	
			For Single Phase Transformers, Deduct	-508.67	
			For Dry Type Unit, Add	4,653.98	
26 11 16 11-0062	EA		150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	22,983.31	943.94
			For Gas Filled Transformers, Add	12,657.26	
			For Single Phase Transformers, Deduct	-527.39	
			For Dry Type Unit, Add	4,829.78	
26 11 16 11-0063	EA		225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	23,591.24	1,110.51
			For Gas Filled Transformers, Add	12,822.13	
			For Single Phase Transformers, Deduct	-534.26	
			For Dry Type Unit, Add	4,923.55	
26 11 16 11-0064	EA		300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	26,035.39	1,221.57
			For Gas Filled Transformers, Add	14,155.36	
			For Single Phase Transformers, Deduct	-589.81	
			For Dry Type Unit, Add	5,434.61	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0065	EA		500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	28,963.45	1,443.67
			<i>For Gas Filled Transformers, Add</i>	15,645.67	
			<i>For Single Phase Transformers, Deduct</i>	-651.90	
			<i>For Dry Type Unit, Add</i>	6,025.48	
26 11 16 11-0066	EA		750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	33,551.01	1,665.77
			<i>For Gas Filled Transformers, Add</i>	18,131.69	
			<i>For Single Phase Transformers, Deduct</i>	-755.49	
			<i>For Dry Type Unit, Add</i>	6,981.44	
26 11 16 11-0067	EA		1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	39,003.28	1,998.92
			<i>For Gas Filled Transformers, Add</i>	21,003.26	
			<i>For Single Phase Transformers, Deduct</i>	-875.14	
			<i>For Dry Type Unit, Add</i>	8,100.98	
26 11 16 11-0068	EA		1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	45,994.64	2,221.02
			<i>For Gas Filled Transformers, Add</i>	24,931.56	
			<i>For Single Phase Transformers, Deduct</i>	-1,038.82	
			<i>For Dry Type Unit, Add</i>	9,565.78	
26 11 16 11-0069	EA		2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	59,187.73	2,332.08
			<i>For Gas Filled Transformers, Add</i>	32,714.15	
			<i>For Single Phase Transformers, Deduct</i>	-1,363.09	
			<i>For Dry Type Unit, Add</i>	12,461.60	
26 11 16 11-0070	EA		2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	64,875.18	2,443.12
			<i>For Gas Filled Transformers, Add</i>	35,993.36	
			<i>For Single Phase Transformers, Deduct</i>	-1,499.72	
			<i>For Dry Type Unit, Add</i>	13,686.19	
26 11 16 11-0071	EA		3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	72,274.06	2,554.18
			<i>For Gas Filled Transformers, Add</i>	40,299.43	
			<i>For Single Phase Transformers, Deduct</i>	-1,679.14	
			<i>For Dry Type Unit, Add</i>	15,287.29	
26 11 16 11-0072	EA		3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	83,089.31	2,665.22
			<i>For Gas Filled Transformers, Add</i>	46,655.32	
			<i>For Single Phase Transformers, Deduct</i>	-1,943.97	
			<i>For Dry Type Unit, Add</i>	17,639.99	
<b>26 11 16 11-0073</b>			<b>Primary 13.8 KV (Delta Or Wye) Secondary 208 Y/120 Or 240 Volt</b> <small>(26 11 16 11-0049)</small>		
26 11 16 11-0074	EA		112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer .....	24,643.52	999.46
			<i>For Gas Filled Transformers, Add</i>	13,586.76	
			<i>For Single Phase Transformers, Deduct</i>	-566.12	
			<i>For Dry Type Unit, Add</i>	5,181.70	
26 11 16 11-0075	EA		150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer .....	25,498.86	1,054.98
			<i>For Gas Filled Transformers, Add</i>	14,033.33	
			<i>For Single Phase Transformers, Deduct</i>	-584.72	
			<i>For Dry Type Unit, Add</i>	5,356.55	
26 11 16 11-0076	EA		225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer .....	27,357.37	1,221.57
			<i>For Gas Filled Transformers, Add</i>	14,948.55	
			<i>For Single Phase Transformers, Deduct</i>	-622.86	
			<i>For Dry Type Unit, Add</i>	5,725.45	
26 11 16 11-0077	EA		300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer .....	28,920.92	1,332.61
			<i>For Gas Filled Transformers, Add</i>	15,753.42	
			<i>For Single Phase Transformers, Deduct</i>	-656.39	
			<i>For Dry Type Unit, Add</i>	6,042.78	
26 11 16 11-0078	EA		500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer .....	33,008.69	1,554.71
			<i>For Gas Filled Transformers, Add</i>	17,939.56	
			<i>For Single Phase Transformers, Deduct</i>	-747.48	
			<i>For Dry Type Unit, Add</i>	6,888.78	
26 11 16 11-0079	EA		750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer .....	36,626.95	1,776.82
			<i>For Gas Filled Transformers, Add</i>	19,843.99	
			<i>For Single Phase Transformers, Deduct</i>	-826.83	
			<i>For Dry Type Unit, Add</i>	7,631.49	
26 11 16 11-0080	EA		1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer .....	42,799.71	2,109.97
			<i>For Gas Filled Transformers, Add</i>	23,147.86	
			<i>For Single Phase Transformers, Deduct</i>	-964.49	
			<i>For Dry Type Unit, Add</i>	8,909.54	
26 11 16 11-0081	EA		1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer .....	51,671.26	2,332.08
			<i>For Gas Filled Transformers, Add</i>	28,204.27	
			<i>For Single Phase Transformers, Deduct</i>	-1,175.18	
			<i>For Dry Type Unit, Add</i>	10,807.98	
26 11 16 11-0082	EA		2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer .....	62,131.69	2,443.12
			<i>For Gas Filled Transformers, Add</i>	34,347.26	
			<i>For Single Phase Transformers, Deduct</i>	-1,431.14	
			<i>For Dry Type Unit, Add</i>	13,082.62	
<b>26 11 16 11-0083</b>			<b>Primary 13.8 KV (Delta Or Wye) Secondary 480 Y/277 Or 480 Volt</b> <small>(26 11 16 11-0049)</small>		
26 11 16 11-0084	EA		112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer .....	24,643.52	999.46
			<i>For Gas Filled Transformers, Add</i>	13,586.76	
			<i>For Single Phase Transformers, Deduct</i>	-566.12	
			<i>For Dry Type Unit, Add</i>	5,181.70	
26 11 16 11-0085	EA		150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer .....	25,498.86	1,054.98
			<i>For Gas Filled Transformers, Add</i>	14,033.33	
			<i>For Single Phase Transformers, Deduct</i>	-584.72	
			<i>For Dry Type Unit, Add</i>	5,356.55	
26 11 16 11-0086	EA		225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer .....	27,357.37	1,221.57
			<i>For Gas Filled Transformers, Add</i>	14,948.55	
			<i>For Single Phase Transformers, Deduct</i>	-622.86	
			<i>For Dry Type Unit, Add</i>	5,725.45	
26 11 16 11-0087	EA		300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer .....	28,920.92	1,332.61
			<i>For Gas Filled Transformers, Add</i>	15,753.42	
			<i>For Single Phase Transformers, Deduct</i>	-656.39	
			<i>For Dry Type Unit, Add</i>	6,042.78	

**26 Electrical**  
**26 10 Medium-Voltage Electrical Distribution**  
**26 11 Substations**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 11 16 11-0088	EA	500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	33,008.69	1,554.71
		For Gas Filled Transformers, Add	17,939.56	
		For Single Phase Transformers, Deduct	-747.48	
		For Dry Type Unit, Add	6,888.78	
26 11 16 11-0089	EA	750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	32,299.68	1,776.82
		For Gas Filled Transformers, Add	17,247.63	
		For Single Phase Transformers, Deduct	-718.65	
		For Dry Type Unit, Add	6,679.49	
26 11 16 11-0090	EA	1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	33,909.81	2,109.97
		For Gas Filled Transformers, Add	17,813.92	
		For Single Phase Transformers, Deduct	-742.25	
		For Dry Type Unit, Add	6,953.77	
26 11 16 11-0091	EA	1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	41,485.99	2,332.08
		For Gas Filled Transformers, Add	22,093.11	
		For Single Phase Transformers, Deduct	-920.55	
		For Dry Type Unit, Add	8,567.22	
26 11 16 11-0092	EA	2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	48,930.24	2,443.12
		For Gas Filled Transformers, Add	26,426.39	
		For Single Phase Transformers, Deduct	-1,101.10	
		For Dry Type Unit, Add	10,178.30	
26 11 16 11-0093	EA	2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	54,551.40	2,554.18
		For Gas Filled Transformers, Add	29,665.83	
		For Single Phase Transformers, Deduct	-1,236.08	
		For Dry Type Unit, Add	11,388.31	
26 11 16 11-0094	EA	3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	63,768.61	2,665.22
		For Gas Filled Transformers, Add	35,062.90	
		For Single Phase Transformers, Deduct	-1,460.95	
		For Dry Type Unit, Add	13,389.44	
26 11 16 11-0095	EA	3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	77,793.90	2,776.28
		For Gas Filled Transformers, Add	43,344.81	
		For Single Phase Transformers, Deduct	-1,806.03	
		For Dry Type Unit, Add	16,448.35	

## 26 12 Medium-Voltage Transformers (26 10)

### 26 12 13 Liquid-Filled, Medium-Voltage Transformers (26 12)

#### 26 12 13 00-0001 Single Phase Oil Filled Distribution Transformers (26 12 13)

Note: Self-protected type, CSP, external secondary breaker handle, external tap changer.

#### 26 12 13 00-0002 Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt, 4-2.5 Percent

Taps FCBN, Class A, 95 KV BIL. Rated To 5 KVA (26 12 13 00-0001)

26 12 13 00-0003	EA	10 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	1,891.83	464.39
26 12 13 00-0004	EA	15 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	2,304.74	580.48
26 12 13 00-0005	EA	25 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	2,710.83	696.58
26 12 13 00-0006	EA	37.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	3,465.09	870.72
26 12 13 00-0007	EA	50 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	4,128.93	1,044.87
26 12 13 00-0008	EA	75 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	5,382.25	1,219.01
26 12 13 00-0009	EA	100 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	6,389.45	1,451.21

#### 26 12 13 00-0010 Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt, 2-2.5 Percent

Taps FCAN And FCBN. Rated To 5 KVA (26 12 13 00-0001)

26 12 13 00-0011	EA	10 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	1,891.83	464.39
26 12 13 00-0012	EA	15 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	2,331.18	580.48
26 12 13 00-0013	EA	25 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	2,710.83	696.58
26 12 13 00-0014	EA	37.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	3,465.09	870.72
26 12 13 00-0015	EA	50 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	4,128.93	1,044.87
26 12 13 00-0016	EA	75 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	5,110.43	1,219.01
26 12 13 00-0017	EA	100 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	6,251.41	1,451.21

#### 26 12 13 00-0018 Primary 13.8/14.4 KV Ground Y Secondary 120/240V 2-2.5 Percent Taps

FCBN And FCAN (26 12 13 00-0001)

26 12 13 00-0019	EA	10 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	1,860.97	464.39
26 12 13 00-0020	EA	15 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	2,220.99	580.48
26 12 13 00-0021	EA	25 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	2,628.01	696.58
26 12 13 00-0022	EA	37.5 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	3,445.98	870.72
26 12 13 00-0023	EA	50 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	4,048.23	1,044.87
26 12 13 00-0024	EA	75 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	5,161.39	1,219.01
26 12 13 00-0025	EA	100 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	6,264.16	1,451.21

#### 26 12 13 00-0026 Primary 13.8/14.4 KV Ground Y Secondary 240/480 Volt, 2-2.5 Percent

Taps FCBN And FCAN (26 12 13 00-0001)

26 12 13 00-0027	EA	10 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	2,004.22	464.39
26 12 13 00-0028	EA	15 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	2,368.65	580.48
26 12 13 00-0029	EA	25 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	3,014.83	696.58
26 12 13 00-0030	EA	37.5 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	3,790.33	870.72
26 12 13 00-0031	EA	50 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	4,434.25	1,044.87
26 12 13 00-0032	EA	75 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	5,732.30	1,219.01
26 12 13 00-0033	EA	100 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	7,185.78	1,451.21

#### 26 12 13 00-0034 Transformer Platforms (26 12 13 00-0001)

26 12 13 00-0035	EA	Transformer Platforms, 75 - 167 KVA.....	4,426.76	784.23
<b>26 12 13 00-0036 Primary 24.9 KV, Ground Y Secondary 240/480 Volt, 2-2.5 Percent Tops FCBN Auto FCAN (26 12 13 00-0001)</b>				
26 12 13 00-0037	EA	10 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,134.85	464.39
26 12 13 00-0038	EA	15 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,487.25	580.48
26 12 13 00-0039	EA	25 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,015.95	696.58
26 12 13 00-0040	EA	37.5 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,788.97	870.72
26 12 13 00-0041	EA	50 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	4,549.86	1,102.92
26 12 13 00-0042	EA	75 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	5,735.71	1,219.01
26 12 13 00-0043	EA	100 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	7,185.78	1,451.21
26 12 13 00-0044	EA	167 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	9,481.01	1,857.54
26 12 13 00-0045	EA	250 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	12,320.76	2,496.08
26 12 13 00-0046	EA	333 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	14,399.62	2,902.41
26 12 13 00-0047	EA	500 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	17,428.42	3,134.61
<b>26 12 13 00-0048 Primary 4.8 KV Ground Y Secondary 120/240V 4-2.5 Percent Taps FCBN, Class A, 95 KV BIL (26 12 13 00-0001)</b>				
26 12 13 00-0049	EA	10 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	1,891.83	568.64
26 12 13 00-0050	EA	15 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	2,304.74	710.75
26 12 13 00-0051	EA	25 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	2,710.36	852.03
26 12 13 00-0052	EA	37.5 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	3,466.22	1,067.74
26 12 13 00-0053	EA	50 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	4,127.85	1,279.04
26 12 13 00-0054	EA	75 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	5,380.79	1,489.63
26 12 13 00-0055	EA	100 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	6,389.45	1,776.97
<b>26 12 13 00-0056 Primary 4.8 KV Ground Y Secondary 120/240V 2-2.5 Percent Taps FCAN And FCBN (26 12 13 00-0001)</b>				
26 12 13 00-0057	EA	10 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,891.83	568.64
26 12 13 00-0058	EA	15 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,331.18	710.75
26 12 13 00-0059	EA	25 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,710.36	852.03
26 12 13 00-0060	EA	37.5 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,466.22	1,067.74
26 12 13 00-0061	EA	50 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	4,127.85	1,279.04
26 12 13 00-0062	EA	75 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	5,108.97	1,489.63
26 12 13 00-0063	EA	100 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	6,251.41	1,776.97
<b>26 12 13 00-0064 Primary 7.2 To 14.4 KV Ground Y (26 12 13 00-0001)</b>				
<b>26 12 13 00-0065 Primary 7.2 To 14.4 KV Ground Y Secondary 120 / 240 V 2-2.5 Percent Taps FCBN And FCAN (26 12 13 00-0064)</b>				
26 12 13 00-0066	EA	10 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,660.03	464.39
26 12 13 00-0067	EA	15 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,020.45	580.48
26 12 13 00-0068	EA	25 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,373.26	696.58
26 12 13 00-0069	EA	37.5 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,046.18	870.72
26 12 13 00-0070	EA	50 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,741.98	1,044.87
26 12 13 00-0071	EA	75 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	5,237.99	1,219.01
26 12 13 00-0072	EA	100 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	6,107.93	1,451.21
<b>26 12 13 00-0073 Primary 7.2 To 14.4 KV Ground Y Secondary 240 / 480 V 2-2.5 Pct Taps FCBN And FCAN (26 12 13 00-0064)</b>				
26 12 13 00-0074	EA	10 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,589.91	464.39
26 12 13 00-0075	EA	15 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,932.30	580.48
26 12 13 00-0076	EA	25 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,333.19	696.58
26 12 13 00-0077	EA	37.5 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,966.04	870.72
26 12 13 00-0078	EA	50 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,631.80	1,044.87
26 12 13 00-0079	EA	75 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	4,837.30	1,219.01
26 12 13 00-0080	EA	100 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	5,707.24	1,451.21
<b>26 12 13 00-0081 3 Phase Oil Filled Distribution Transformers (26 12 13)</b>				
<b>26 12 13 00-0082 Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt (26 12 13 00-0081)</b>				
Note: 4-2.5 Percent taps FCBN, Class A, 95 KV BIL.				
26 12 13 00-0083	EA	112.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	6,781.37	1,625.35
26 12 13 00-0084	EA	150 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	8,026.04	1,741.45
26 12 13 00-0085	EA	225 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	10,486.49	2,205.83
26 12 13 00-0086	EA	300 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	13,542.59	2,786.32
26 12 13 00-0087	EA	500 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	18,418.86	3,134.61
26 12 13 00-0088	EA	750 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	27,154.55	4,179.48
<b>26 12 13 00-0089 Removal And Relocation Of Transformers (26 12 13)</b>				
26 12 13 00-0090	EA	Removal And Relocation Of Up To 37.5 KVA Oil Filled Transformer .....	1,166.85	
26 12 13 00-0091	EA	Removal And Relocation Of >37.5 To 100 KVA Oil Filled Transformers .....	2,147.33	
<b>26 12 16 Dry-Type, Medium-Voltage Transformers (26 12)</b>				
<b>26 12 16 00-0001 Removal and Relocation of Transformers (26 12 16)</b>				

**26 Electrical**  
**26 10 Medium-Voltage Electrical Distribution**  
**26 12 Medium-Voltage Transformers**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 12 16 00-0002	EA	Removal And Relocation Of Up To 37.5 KVA "Dry Type" Transformer .....	460.86	
26 12 16 00-0003	EA	Removal And Relocation Of >37.5 To 112.5 KVA "Dry Type" Transformer .....	2,048.28	

**26 12 19 Pad-Mounted, Liquid-Filled, Medium-Voltage Transformers (26 12)**

26 12 19 00-0001		<b>Single Phase Pad Mounted Distribution Transformers (26 12 19)</b> Note: Designed for residential and multi-family buildings. UL listed.		
26 12 19 00-0002		<b>Mini Pak - Single Phase KVA 25 Thru 167 - 95 KV BIL - Oil Filled (26 12 19 00-0001)</b> Note: Self actuating pressure relief device, taps, 4-1/2 % below or 2-1/2 % above and below. Designed for loop feed grounded wye distribution system.		
26 12 19 00-0003		<b>Primary, 4.16/4.8 KV Ground Y Or Delta (26 12 19 00-0002)</b> Note: 2.4 To 24.94 KV ground Y / 14.4 KV secondary - 240/120 Volt, 480/240 Volt, 277 V. Rated to 5 KVA.		
26 12 19 00-0004	EA	25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	3,604.69	555.26
26 12 19 00-0005	EA	37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	4,015.76	666.31
26 12 19 00-0006	EA	50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	4,761.51	777.36
26 12 19 00-0007	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	5,696.99	832.88
26 12 19 00-0008	EA	100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	6,381.45	888.41
26 12 19 00-0009	EA	167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	8,356.19	1,166.04

**26 12 19 00-0010 Factory Modifications Material Cost Only (26 12 19 00-0002)**

26 12 19 00-0011	EA	Loadbreaker Current Limiting Fuse Factory Modifications .....	597.22	
26 12 19 00-0012	EA	Loadbreaker Oil Switch, 2 Position Factory Modifications .....	627.51	
26 12 19 00-0013	EA	Loadbreaker Inserts, Factory Modifications .....	690.26	

**26 12 19 00-0014 Distribution - Single Phase Multiple Building Transformer (26 12 19 00-0001)**

Note: KVA 25 to 250, KVA BIL-95, 125, 150 standard features. Oil filled, self-actuating pressure relief device, lighting arrester mounted. Pad HV/LV barrier, etc. with taps 4-1/2 % below or 2-1/2 % above and below.

**26 12 19 00-0015 Primary, 4.16/4.8 KVA Ground Y Or Delta (26 12 19 00-0014)**

Note: 2.4 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.

26 12 19 00-0016	EA	25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	4,245.65	555.26
26 12 19 00-0017	EA	37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	4,861.15	555.26
26 12 19 00-0018	EA	50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	5,308.18	760.70
26 12 19 00-0019	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	6,491.34	760.70
26 12 19 00-0020	EA	100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	7,263.98	999.46
26 12 19 00-0021	EA	167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	8,782.88	999.46
26 12 19 00-0022	EA	250 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	13,576.47	1,388.14

**26 12 19 00-0023 Factory Modifications Material Cost Only (26 12 19 00-0014)**

26 12 19 00-0024	EA	Loadbreaker Current Limiting Fuse Factory Modifications .....	796.29	
26 12 19 00-0025	EA	Lightning Arrestors, Factory Modifications .....	201.76	
26 12 19 00-0026	EA	Loadbreaker Oil Switch, 2 Position Factory Modifications .....	627.51	
26 12 19 00-0027	EA	Loop Feed Air Switch, Factory Modifications .....	1,021.33	
26 12 19 00-0028	EA	Loadbreaker Inserts (Two), Factory Modifications .....	272.64	
26 12 19 00-0029	EA	Bay-O-Net Fuse 25 Thru 167 KVA Factory Modifications .....	235.86	

**26 12 19 00-0030 Primary, 12.47 KV Ground Y Or Delta (26 12 19 00-0014)**

Note: 7.2 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.

26 12 19 00-0031	EA	25 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	4,539.13	555.26
26 12 19 00-0032	EA	37.5 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	4,958.90	555.26
26 12 19 00-0033	EA	50 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	5,269.79	760.70
26 12 19 00-0034	EA	75 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	6,256.68	760.70
26 12 19 00-0035	EA	100 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	7,750.78	999.46
26 12 19 00-0036	EA	167 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	9,641.20	999.57
26 12 19 00-0037	EA	250 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	12,206.78	1,388.14

**26 12 19 00-0038 Oil Filled Distribution Transformer Single Phase Cluster Mounted (26 12 19 00-0001)**

Note: Conventional type.

<b>26 12 19 00-0039</b>		<b>13.8/14.4 KV Ground Y Or Delta Primary 120/240V</b> (26 12 19 00-0038)	
Note: 2.5 Taps FCBN and FCAN.			
26 12 19 00-0040	EA	10 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	3,120.48 395.79
26 12 19 00-0041	EA	37.5 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	3,956.05 556.59
26 12 19 00-0042	EA	50 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	5,981.67 890.54
26 12 19 00-0043	EA	100 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	10,206.40 890.54
26 12 19 00-0044	EA	167 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	13,913.55 1,459.49
26 12 19 00-0045	EA	250 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	18,257.01 1,459.49
<b>26 12 19 00-0046</b>		<b>Oil Filled Distribution Transformer Single Phase</b> (26 12 19 00-0001)	
<b>26 12 19 00-0047</b>		<b>7.2 KV Primary, 120/240 Volt Secondary</b> (26 12 19 00-0046)	
26 12 19 00-0048	EA	10 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	3,042.34 420.53
26 12 19 00-0049	EA	15 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	3,329.40 420.53
26 12 19 00-0050	EA	25 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	3,889.43 593.69
26 12 19 00-0051	EA	37.5 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	5,078.85 593.69
26 12 19 00-0052	EA	50 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	5,857.90 803.97
26 12 19 00-0053	EA	100 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	10,006.85 1,236.86
26 12 19 00-0054	EA	167 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	13,757.28 1,236.86
26 12 19 00-0055	EA	250 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	18,015.78 1,546.08
<b>26 12 19 00-0056</b>		<b>7.2 KV Primary, 240/480 Volt Secondary</b> (26 12 19 00-0046)	
26 12 19 00-0057	EA	10 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	3,042.34 420.53
26 12 19 00-0058	EA	15 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	3,329.48 420.53
26 12 19 00-0059	EA	25 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	3,889.43 593.69
26 12 19 00-0060	EA	37.5 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	5,078.85 593.69
26 12 19 00-0061	EA	50 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	5,857.90 803.97
26 12 19 00-0062	EA	75 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	8,841.99 1,088.44
26 12 19 00-0063	EA	100 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	10,006.85 1,088.44
26 12 19 00-0064	EA	167 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	13,757.28 1,372.91
26 12 19 00-0065	EA	250 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	18,015.78 1,546.08
<b>26 12 19 00-0066</b>		<b>2.4 KV Primary, 277 Volt Secondary</b> (26 12 19 00-0046)	
26 12 19 00-0067	EA	10 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	3,287.55 420.53
26 12 19 00-0068	EA	15 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	3,596.63 420.53
26 12 19 00-0069	EA	25 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	4,206.25 593.69
26 12 19 00-0070	EA	37.5 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	5,483.58 593.69
26 12 19 00-0071	EA	50 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	6,321.48 803.97
26 12 19 00-0072	EA	75 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	9,401.89 1,088.44
26 12 19 00-0073	EA	100 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	10,863.75 1,088.44
26 12 19 00-0074	EA	167 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	14,960.01 1,372.91
26 12 19 00-0075	EA	250 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	19,646.22 1,546.08
<b>26 12 19 00-0076</b>		<b>2.4 KV Primary, 120/240 Volt Secondary</b> (26 12 19 00-0046)	
26 12 19 00-0077	EA	10 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	3,042.34 420.53
26 12 19 00-0078	EA	15 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	3,329.40 420.53
26 12 19 00-0079	EA	25 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	3,889.43 807.80
26 12 19 00-0080	EA	37.5 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	5,078.85 1,088.44
26 12 19 00-0081	EA	50 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	5,857.90 803.97
26 12 19 00-0082	EA	75 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	8,670.48 1,088.44
26 12 19 00-0083	EA	100 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	10,005.25 1,088.44
<b>26 12 19 00-0084</b>		<b>2.4 KV Primary, 240/480 Volt Secondary</b> (26 12 19 00-0046)	
26 12 19 00-0085	EA	10 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	3,042.34 420.53
26 12 19 00-0086	EA	15 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	3,329.40 420.53
26 12 19 00-0087	EA	25 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	3,889.43 593.69
26 12 19 00-0088	EA	37.5 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	5,078.85 593.69
26 12 19 00-0089	EA	50 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	5,857.90 803.97
26 12 19 00-0090	EA	75 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	8,670.48 1,088.44
26 12 19 00-0091	EA	100 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	10,005.25 1,088.44
<b>26 12 19 00-0092</b>		<b>2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary</b> (26 12 19 00-0046)	
26 12 19 00-0093	EA	10 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	2,661.07 432.90
26 12 19 00-0094	EA	15 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	2,898.66 482.38
26 12 19 00-0095	EA	25 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	3,473.89 531.85
26 12 19 00-0096	EA	37 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	4,491.81 742.12
26 12 19 00-0097	EA	50 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	5,045.65 865.80
26 12 19 00-0098	EA	75 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	6,772.39 1,014.23
26 12 19 00-0099	EA	100 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	8,077.83 1,162.65
26 12 19 00-0100	EA	167 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	12,265.43 1,484.23
26 12 19 00-0101	EA	250 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	16,509.51 1,669.76

**26 13 Medium-Voltage Switchgear** (26 10)  
**26 13 16 Medium-Voltage Fusible Interrupter Switchgear** (26 13)

**26 Electrical****26 10 Medium-Voltage Electrical Distribution****26 13 Medium-Voltage Switchgear**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 13 16 00-0001	"Switchyard", Substation Secondary Distribution Section <small>(26 13 16)</small> Note: Medium voltage, metal clad switchgear, 3 phase, 3 wire with ground. Includes breaker element, housing, control switch two lamps - 3 cable terminals.		
26 13 16 00-0002	4.16 Or 4.8 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section <small>(26 13 16 00-0001)</small>		
26 13 16 00-0003	EA 1,200 Amperes, 75 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	12,977.84 2,674.75	1,286.34
26 13 16 00-0004	EA 1,200 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	13,613.53 2,814.60	1,286.34
26 13 16 00-0005	EA 1,200 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	18,519.94 3,857.39	1,638.84
26 13 16 00-0006	EA 2,000 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	25,191.35 5,297.52	1,638.84
26 13 16 00-0007	EA 2,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	36,042.48 7,651.84	1,978.98
26 13 16 00-0008	EA 3,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	32,926.38 6,952.29	1,978.98
26 13 16 00-0009	7.2 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section <small>(26 13 16 00-0001)</small>		
26 13 16 00-0010	EA 1,200 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	19,303.35 4,047.70	1,484.23
26 13 16 00-0011	EA 2,000 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	23,717.96 4,957.95	1,855.30
26 13 16 00-0012	EA 3,000 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	33,293.84 7,020.85	2,226.35
26 13 16 00-0013	13.8 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section <small>(26 13 16 00-0001)</small>		
26 13 16 00-0014	EA 1,200 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	18,637.10 3,884.79	1,484.23
26 13 16 00-0015	EA 1,200 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	25,617.35 5,384.86	1,484.23
26 13 16 00-0016	EA 1,200 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	37,354.98 7,926.58	1,978.98
26 13 16 00-0017	EA 2,000 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	23,449.29 4,883.99	1,978.98
26 13 16 00-0018	EA 2,000 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	33,972.23 7,163.57	2,473.72
26 13 16 00-0019	EA 2,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	47,463.16 10,094.18	2,473.72
26 13 16 00-0020	EA 3,000 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	32,727.85 6,879.46	2,473.72
26 13 16 00-0021	EA 3,000 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	45,302.69 9,610.29	2,473.72
26 13 16 00-0022	EA 3,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	58,657.10 12,514.56	2,473.72
26 13 16 00-0023	4.16 Or 4.8 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section <small>(26 13 16 00-0001)</small>		
26 13 16 00-0024	EA 1,200 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	5,855.33 1,174.55	810.14
26 13 16 00-0025	EA 1,200 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	7,578.71 1,553.69	810.14
26 13 16 00-0026	EA 2,000 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	8,245.34 1,663.66	1,076.07
26 13 16 00-0027	EA 2,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	10,217.34 2,061.62	1,329.63
26 13 16 00-0028	EA 3,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	13,705.33 2,828.98	1,329.63
26 13 16 00-0029	7.2 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section <small>(26 13 16 00-0001)</small>		
26 13 16 00-0030	EA 1,200 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	7,394.30 1,497.33	1,236.86
26 13 16 00-0031	EA 2,000 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	9,671.60 1,961.89	1,236.86
26 13 16 00-0032	EA 3,000 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	14,705.24 3,033.33	1,236.86
26 13 16 00-0033	13.8 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section <small>(26 13 16 00-0001)</small>		
26 13 16 00-0034	EA 1,200 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	7,638.31 1,533.93	1,051.33

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 16 00-0035	EA	1,200 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section ..... <i>For Weatherproofing, Add</i>	8,137.08 1,643.66	1,051.33
26 13 16 00-0036	EA	1,200 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section ..... <i>For Weatherproofing, Add</i>	11,632.76 2,376.55	1,298.71
26 13 16 00-0037	EA	2,000 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section ..... <i>For Weatherproofing, Add</i>	10,425.52 2,074.98	1,558.44
26 13 16 00-0038	EA	2,000 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section ..... <i>For Weatherproofing, Add</i>	12,775.92 2,592.07	1,558.44
26 13 16 00-0039	EA	2,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section ..... <i>For Weatherproofing, Add</i>	14,693.97 2,977.27	1,818.19
26 13 16 00-0040	EA	3,000 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section ..... <i>For Weatherproofing, Add</i>	13,817.05 2,748.23	2,077.93
26 13 16 00-0041	EA	3,000 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section ..... <i>For Weatherproofing, Add</i>	15,427.61 3,102.56	2,077.93
26 13 16 00-0042	EA	3,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section ..... <i>For Weatherproofing, Add</i>	18,976.20 3,846.81	2,325.30
<b>26 13 16 00-0043</b>		<b>Accessories For Substation Secondary Distribution Sections (26 13 16 00-0001)</b>		
26 13 16 00-0044	EA	1,200 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,756.03 470.29	783.80
26 13 16 00-0045	EA	2,000 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,679.41 521.88	869.76
26 13 16 00-0046	EA	3,000 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,095.01 627.85	1,046.38
26 13 16 00-0047	EA	3-Phase Pothead Termination Accessories, Secondary Distribution Section .....	3,987.59	1,573.66
26 13 16 00-0048	EA	5 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section .....	4,543.71	99.00
26 13 16 00-0049	EA	5 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section .....	6,066.04	99.00
26 13 16 00-0050	EA	5 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section .....	11,100.95	99.00
26 13 16 00-0051	EA	15 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section .....	8,725.96	99.00
26 13 16 00-0052	EA	15 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section .....	9,525.10	99.00
26 13 16 00-0053	EA	15 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section .....	12,962.46	99.00
26 13 16 00-0054	EA	6 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section .....	2,063.14	99.00
26 13 16 00-0055	EA	9 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section .....	2,330.72	99.00
26 13 16 00-0056	EA	15 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section .....	3,535.57	99.00
26 13 16 00-0057	EA	Overcurrent Phase Protection, Time And Instantaneous Device 67 ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,266.36 59.40	99.00
26 13 16 00-0058	EA	AC Ammeter With Switch..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	892.28 59.40	99.00
26 13 16 00-0059	EA	AC Voltmeter With Switch And Potential Transformer ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	892.28 59.40	99.00
26 13 16 00-0060	EA	Indicating Wattmeter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,314.63 59.40	99.00
26 13 16 00-0061	EA	Indicating Varmeter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,548.94 59.40	99.00
26 13 16 00-0062	EA	Indicating Watt-hour Meter, 2 Element ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	976.17 59.40	99.00
26 13 16 00-0063	EA	Ground Protection, Time Or Instantaneous Device 67N..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,304.99 59.40	99.00
26 13 16 00-0064	EA	Differential Generator Protection Single Phase NEMA Device 87 .....	4,296.37	99.00
26 13 16 00-0065	EA	Current Transformers 5 And 15 KV Single Secondary .....	608.06	99.00
26 13 16 00-0066	EA	Potential Transformers 5 KV And 15 KV With Primary Fuses.....	2,870.23	99.00
<b>26 13 19</b>		<b>Medium-Voltage Vacuum Interrupter Switchgear (26 13)</b>		
<b>26 13 19 00-0001</b>		<b>Vacuum Circuit Breakers 13.8 KV (26 13 19)</b>		
26 13 19 00-0002	EA	1,200 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	46,460.92	1,546.08
26 13 19 00-0003	EA	1,200 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	51,322.80	1,954.24
26 13 19 00-0004	EA	1,200 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	58,275.94	1,954.24
26 13 19 00-0005	EA	2,000 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	53,216.84	1,546.08
26 13 19 00-0006	EA	2,000 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	59,834.21	1,546.08
26 13 19 00-0007	EA	2,000 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	68,204.61	1,818.19
26 13 19 00-0008	EA	3,000 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	70,406.26	2,077.93
26 13 19 00-0009	EA	3,000 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	77,057.25	2,077.93
26 13 19 00-0010	EA	3,000 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	84,208.01	2,337.67
<b>26 13 29</b>		<b>Medium-Voltage Compartmentalized Switchgear (26 13)</b>		
<b>26 13 29 00-0001</b>		<b>Substation Secondary Distribution Section (26 13 29)</b> Note: Low voltage drawout switchgear 277/480 volt, 3 phase 4 wire.		
<b>26 13 29 00-0002</b>		<b>Switchgear Compartment Complete With Air Circuit Breaker (26 13 29 00-0001)</b> Note: With solid state long - time and instantaneous trips.		
26 13 29 00-0003	EA	800 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-206.....	14,796.31	969.79
26 13 29 00-0004	EA	1,600 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-416.....	23,398.43	1,466.22
26 13 29 00-0005	EA	2,000 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-420.....	31,682.34	1,801.03
26 13 29 00-0006	EA	3,200 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-632.....	52,573.55	2,089.66
26 13 29 00-0007	EA	4,000 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-840.....	67,558.69	2,378.28
<b>26 13 29 00-0008</b>		<b>Switchgear Compartment Without Circuit Breaker (26 13 29 00-0001)</b>		
26 13 29 00-0009	EA	800 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	6,550.90	294.40
26 13 29 00-0010	EA	1,600 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	7,569.61	294.40
26 13 29 00-0011	EA	2,000 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	9,903.16	432.94
26 13 29 00-0012	EA	3,200 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	14,146.60	432.94

**26 Electrical**  
**26 10 Medium-Voltage Electrical Distribution**  
**26 13 Medium-Voltage Switchgear**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 13 29 00-0013	EA	4,000 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	23,612.04	634.98
<b>26 13 29 00-0014</b>		<b>Switchgear Compartment, Blank, Use As Filler Or Metering (26 13 29 00-0001)</b> Note: No provisions for future breaker.		
26 13 29 00-0015	EA	600 To 2,000 Amperes, Blank Section Filler, Secondary Distribution Section..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3,078.54 188.14	329.04
26 13 29 00-0016	EA	3,000 Amperes, Blank Section Filler, Secondary Distribution Section..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3,838.86 220.86	329.04
26 13 29 00-0017	EA	4,000 Amperes, Blank Distribution Filler, Secondary Distribution Section..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5,037.21 317.49	507.99
<b>26 13 29 00-0018</b>		<b>Accessories For Substation Secondary Distribution (26 13 29 00-0001)</b>		
26 13 29 00-0019	EA	Short Time Delay Accessories, Secondary Distribution Section..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,630.36 59.40	
26 13 29 00-0020	EA	Key Interlock Accessories, Secondary Distribution Section..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,286.34 59.40	
26 13 29 00-0021	EA	Ammeter And Switch Complete Accessories, Secondary Distribution Section..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3,902.22 59.40	99.00
26 13 29 00-0022	EA	Voltmeter And Switch Complete Accessories, Secondary Distribution Section..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3,902.22 59.40	99.00
26 13 29 00-0023	EA	Wattmeter - Complete Accessories, Secondary Distribution Section..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5,135.51 59.40	99.00
26 13 29 00-0024	EA	Watt-hour Meter - Complete Accessories, Secondary Distribution Section..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6,628.44 59.40	99.00
26 13 29 00-0025	EA	Circuit Breaker Lifting Device Accessories, Secondary Distribution Section..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2,928.21 67.73	112.93
26 13 29 00-0026	EA	Weatherproofing, Per Vertical Section Accessories, Secondary Distribution Section..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9,996.01 1,003.46	1,672.42
26 13 29 00-0027	EA	Current Transformer, Single Section 5 To 800 Single Secondary 5 To 800.....	1,812.11	99.00
26 13 29 00-0028	EA	Potential Transformers Each With Fuses Accessories, Secondary Distribution Section.....	2,114.30	99.00
26 13 29 00-0029	EA	Shunt Trip And Auxiliary Switch Accessories, Secondary Distribution Section..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,126.74 29.70	49.50
26 13 29 00-0030	EA	3 Current Limiting Fuses 15 KV Accessories, Secondary Distribution Section..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8,305.29 59.40	99.00
26 13 29 00-0031	EA	3 Phase Surge Capacitors 15 KV Accessories, Secondary Distribution Section.....	1,074.82	49.50

## 26 18 Medium-Voltage Circuit Protection Devices (26 10)

### 26 18 36 Medium-Voltage Enclosed Fuses (26 18)

26 18 36 00-0001		Sectionalizing Switch (26 18 36)		
26 18 36 00-0002		Pad Mounted Metal Enclosed Oil Filled Switching Units (26 18 36 00-0001) Note: 15 KV - 25 KV.		
26 18 36 00-0003		Sectionalizing Tapping And Fusing Underground Feeders (26 18 36 00-0002) Note: 200 Amp replaceable bushing wells recessed locking assembly oil level and oil fill plugs.		
26 18 36 00-0004	EA	3 Phase, 1 Switch Up And 2 Switch Downstream Tapping And Fusing Underground.....	25,880.99	832.88
26 18 36 00-0005	EA	3 Phase, 2 Switch Up And 2 Switch Downstream Tapping And Fusing Underground.....	29,062.32	832.88

## 26 20 Low-Voltage Electrical Distribution (26)

### 26 21 Low-Voltage Electrical Service Entrance (26 20)

See CSI section 26 05 13 00-0000 for wire and cables.

#### 26 21 13 Low-Voltage Overhead Electrical Service Entrance (26 21)

26 21 13 00-0001		Service Drop Cable And Weatherheads (26 21 13)		
26 21 13 00-0002		600 Volt Insulated Stranded Conductors (26 21 13 00-0001)		
26 21 13 00-0003		Aluminum Duplex ACSR Neutral (26 21 13 00-0002)		
26 21 13 00-0004	LF	#6 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	7.54	2.95
26 21 13 00-0005	LF	#4 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	8.99	3.48
26 21 13 00-0006	LF	#2 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	10.31	3.93
26 21 13 00-0007	LF	1/0 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	13.28	4.95
26 21 13 00-0008		Aluminum Triplex ACSR Neutral (26 21 13 00-0002)		
26 21 13 00-0009	LF	#6 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	9.04	3.48
26 21 13 00-0010	LF	#4 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	10.26	3.93
26 21 13 00-0011	LF	#2 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	12.96	4.95
26 21 13 00-0012	LF	1/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	15.97	6.03
26 21 13 00-0013	LF	2/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	21.02	7.98
26 21 13 00-0014	LF	4/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	26.35	9.90
26 21 13 00-0015	LF	336 MCM, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	32.89	11.78
26 21 13 00-0016		Aluminum Quadruplex ACSR Neutral (26 21 13 00-0002)		
26 21 13 00-0017	LF	#6 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	10.27	3.93
26 21 13 00-0018	LF	#4 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	12.96	4.95
26 21 13 00-0019	LF	#2 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	16.66	6.34
26 21 13 00-0020	LF	1/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	21.27	7.98



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 21 13 00-0021	LF	2/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable .....	23.61	8.84
26 21 13 00-0022	LF	3/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable .....	26.78	9.90
26 21 13 00-0023	LF	4/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable .....	31.72	11.78
26 21 13 00-0024	LF	336 MCM, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable .....	36.90	13.02

**26 21 13 00-0025 Weatherproof Conduit Hubs** (26 21 13 00-0002)

26 21 13 00-0026	EA	1/2" Weatherproof Conduit Hubs .....	50.67	19.08
26 21 13 00-0027	EA	3/4" Weatherproof Conduit Hubs .....	57.83	21.67
26 21 13 00-0028	EA	1" Weatherproof Conduit Hubs .....	67.54	24.28
26 21 13 00-0029	EA	1-1/4" Weatherproof Conduit Hubs .....	94.76	32.51
26 21 13 00-0030	EA	1-1/2" Weatherproof Conduit Hubs .....	104.47	35.12
26 21 13 00-0031	EA	2" Weatherproof Conduit Hubs .....	136.87	40.75
26 21 13 00-0032	EA	2-1/2" Weatherproof Conduit Hubs .....	182.84	45.95
26 21 13 00-0033	EA	3" Weatherproof Conduit Hubs .....	238.24	54.18
26 21 13 00-0034	EA	4" Weatherproof Conduit Hubs .....	416.90	108.38

**26 21 13 00-0035 Service Entrance Cap, Threaded Weatherhead, Galvanized** (26 21 13 00-0002)

26 21 13 00-0036	EA	1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #14 Through #10 AWG Cable Service .....	55.48	19.08
26 21 13 00-0037	EA	3/4" Galvanized Threaded Service Entrance Weatherhead Cap For #12 Through #8 AWG Cable Service .....	63.57	21.67
26 21 13 00-0038	EA	1" Galvanized Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service .....	72.69	24.28
26 21 13 00-0039	EA	1-1/4" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Through #2 AWG Cable Service .....	97.65	32.51
26 21 13 00-0040	EA	1-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Through #2 AWG Cable Service .....	110.09	35.12
26 21 13 00-0041	EA	2" Galvanized Threaded Service Entrance Weatherhead Cap For 1/0 Through 2/0 AWG Cable Service .....	143.52	40.75
26 21 13 00-0042	EA	2-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For 3/0 Through 4/0 Cable Service .....	236.76	45.95
26 21 13 00-0043	EA	3" Galvanized Threaded Service Entrance Weatherhead Cap For 250 Through 350 MCM Cable Service .....	269.91	54.18
26 21 13 00-0044	EA	4" Galvanized Threaded Service Entrance Weatherhead Cap For 600 Through 750 MCM Cable Service .....	447.80	108.38

**26 21 13 00-0045 Service Entrance Cap, Clamp-On Weatherhead, Aluminum** (26 21 13 00-0002)

26 21 13 00-0046	EA	1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #14 To #12 AWG Cable Service .....	53.78	19.08
26 21 13 00-0047	EA	3/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #10 To #8 AWG Cable Service .....	60.71	21.67
26 21 13 00-0048	EA	1" Aluminum Clamp-On Service Entrance Weatherhead Cap For #6 AWG Cable Service .....	68.82	24.17
26 21 13 00-0049	EA	1-1/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service .....	91.53	32.51
26 21 13 00-0050	EA	1-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service .....	101.83	35.12
26 21 13 00-0051	EA	2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 1/0 To 2/0 AWG Cable Service .....	119.92	40.75
26 21 13 00-0052	EA	2-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 3/0 To 4/0 Cable Service .....	192.49	45.95
26 21 13 00-0053	EA	3" Aluminum Clamp-On Service Entrance Weatherhead Cap For 250 To 350 MCM Cable Service .....	247.65	54.18
26 21 13 00-0054	EA	3-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 400 To 500 MCM Cable Service .....	349.69	81.28
26 21 13 00-0055	EA	4" Aluminum Clamp-On Service Entrance Weatherhead Cap For 600 To 750 MCM Cable Service .....	421.30	108.38

**26 21 13 00-0056 Service Entrance Cap, Threaded Weatherhead, Polyvinyl Chloride (PVC)** (26 21 13 00-0002)

26 21 13 00-0057	EA	1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #14 To #12 AWG Cable Service .....	51.80	19.08
26 21 13 00-0058	EA	3/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #10 To #8 AWG Cable Service .....	59.21	21.67
26 21 13 00-0059	EA	1" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service .....	67.17	24.17
26 21 13 00-0060	EA	1-1/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service .....	89.52	32.51
26 21 13 00-0061	EA	1-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service .....	97.44	35.12
26 21 13 00-0062	EA	2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 1/0 To 2/0 AWG Cable Service .....	118.92	40.75
26 21 13 00-0063	EA	2-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 3/0 To 4/0 Cable Service .....	193.36	45.95
26 21 13 00-0064	EA	3" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 250 To 350 MCM Cable Service .....	217.35	54.18
26 21 13 00-0065	EA	3-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 400 To 500 MCM Cable Service .....	370.58	81.28
26 21 13 00-0066	EA	4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 600 To 750 MCM Cable Service .....	512.23	108.38

**26 21 16 Low-Voltage Underground Electrical Service Entrance** (26 21)

**26 21 16 00-0001 Aluminum Triplex For Underground Service, Direct Burial** (26 21 16)

Note: Excludes excavation and backfill.

26 21 16 00-0002	MLF	#6 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial .....	3,136.95	1,099.45
26 21 16 00-0003	MLF	#4 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial .....	3,426.45	1,164.13
26 21 16 00-0004	MLF	#2 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial .....	3,807.95	1,236.86
26 21 16 00-0005	MLF	1/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial .....	4,114.68	1,236.86
26 21 16 00-0006	MLF	2/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial .....	4,480.18	1,319.36
26 21 16 00-0007	MLF	3/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial .....	5,244.18	1,522.33
26 21 16 00-0008	MLF	4/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial .....	6,624.83	1,978.98

**26 22 Low-Voltage Transformers** (26 20)

**26 22 13 Low-Voltage Distribution Transformers** (26 22)

**26 22 13 00-0001 Single Phase General Purpose "Dry Type" Transformers** (26 22 13)

Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor Use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.

**26 22 13 00-0002 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers** (26 22 13 00-0001)

Note: 2-2.5 Percent taps above and 4-2.5 percent taps below.

26 22 13 00-0003	EA	1 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose .....	772.10	278.82
26 22 13 00-0004	EA	3 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose .....	995.66	334.59
26 22 13 00-0005	EA	5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose .....	1,163.97	349.08
26 22 13 00-0006	EA	7.5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose .....	1,333.63	362.47

**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 22 Low-Voltage Transformers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0007	EA		10 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	1,734.80	390.34
26 22 13 00-0008	EA		15 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	2,007.72	418.22
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	58.56	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	87.85	
26 22 13 00-0009	EA		25 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	2,185.00	446.10
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	64.64	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	96.96	
26 22 13 00-0010	EA		37.5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	2,208.88	501.87
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	60.26	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	90.38	
26 22 13 00-0011	EA		50 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	2,581.69	557.63
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	73.32	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	109.98	
26 22 13 00-0012	EA		75 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	3,326.07	669.16
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	99.39	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	149.08	
26 22 13 00-0013	EA		100 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	4,132.24	780.69
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	128.54	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	192.81	
26 22 13 00-0014	EA		167 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	6,271.74	1,003.75
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	213.21	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	319.82	
26 22 13 00-0015	EA		250 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	10,543.31	1,226.79
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	404.49	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	606.73	
26 22 13 00-0016	EA		333 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	15,839.72	1,394.09
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	652.58	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	978.87	
26 22 13 00-0017			<b>240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers</b> (26 22 13 00-0001)		
			Note: 1-10 Percent x 2-5 percent FCBN taps.		
26 22 13 00-0018	EA		3 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	895.85	334.59
26 22 13 00-0019	EA		5 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	1,004.03	348.52
26 22 13 00-0020	EA		7.5 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	1,154.84	362.47
26 22 13 00-0021	EA		10 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	1,314.39	390.34
26 22 13 00-0022			<b>240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers</b> (26 22 13 00-0001)		
			Note: 2-5 Percent x 4 - 2.5 percent FCBN taps.		
26 22 13 00-0023	EA		15 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	2,007.71	418.22
26 22 13 00-0024	EA		25 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	2,185.00	446.10
26 22 13 00-0025			<b>1 Phase Mounting Brackets</b> (26 22 13 00-0001)		
26 22 13 00-0026	EA		1 Phase Mounting Brackets (Set Of 2) For Transformers Up To 100 KVA.....	549.70	198.01
26 22 13 00-0027			<b>1 Phase Weathershields</b> (26 22 13 00-0001)		
			Note: Use with types DT-3 and DS-3.		
26 22 13 00-0028	EA		37.5 KVA 1 Phase Weathershields, Set Of 2.....	42.19	
26 22 13 00-0029	EA		50 KVA 1 Phase Weathershields, Set Of 2.....	53.78	
26 22 13 00-0030	EA		75 KVA 1 Phase Weathershields, Set Of 2.....	64.13	
26 22 13 00-0031	EA		100 KVA 1 Phase Weathershields, Set Of 2.....	76.51	
26 22 13 00-0032	EA		167 KVA 1 Phase Weathershields, Set Of 2.....	103.51	
26 22 13 00-0033	EA		250 KVA 1 Phase Weathershields, Set Of 2.....	123.76	
26 22 13 00-0034	EA		333 KVA 1 Phase Weathershields, Set Of 2.....	151.89	
26 22 13 00-0035			<b>Packaged Power Supply</b> (26 22 13 00-0001)		
			Note: 2-5 Percent FCBN taps.		
26 22 13 00-0036	EA		5 KVA, 480 Volt - 120/240 Volt, Transformer With 6 - 1 Pole / 3 - 2 Pole Max 20 Amperes Breakers.....	1,317.34	348.52
26 22 13 00-0037	EA		7.5 KVA, 480 Volt - 120/240 Volt, Transformer With 8 - 1 Pole / 4 - 2 Pole Max 30 Amperes Breakers.....	1,450.24	362.47
26 22 13 00-0038	EA		10 KVA, 480 Volt - 120/240 Volt, Transformer With 10 - 1 Pole / 5 - 2 Pole Max 40 Amperes Breakers.....	1,568.54	390.34
26 22 13 00-0039	EA		15 KVA, 480 Volt - 120/240 Volt, Transformer With 16 - 1 Pole / 8 - 2 Pole Max 60 Amperes Breakers.....	1,858.99	418.22
26 22 13 00-0040	EA		25 KVA, 480 Volt - 120/240 Volt, Transformer With 24 - 1 Pole / 12 - 2 Pole Max 100 Amperes Breakers.....	2,417.43	446.10
26 22 13 00-0041			<b>240 Volt, 120/240 Volt, Single Phase Isolation Transformer Computer Grade</b> (26 22 13 00-0001)		
26 22 13 00-0042	EA		0.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer.....	968.80	250.94
26 22 13 00-0043	EA		1 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer.....	1,283.34	278.82
26 22 13 00-0044	EA		2.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer.....	1,507.38	334.59
26 22 13 00-0045	EA		5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer.....	1,642.15	348.52
26 22 13 00-0046	EA		7.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer.....	1,816.31	362.47
26 22 13 00-0047	EA		10 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer.....	2,254.62	390.34
26 22 13 00-0048	EA		15 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer.....	2,825.69	418.22
26 22 13 00-0049			<b>1 Phase, 208/600 Volt, Dry General Purpose Transformer</b> (26 22 13 00-0001)		
26 22 13 00-0050	EA		15 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	3,368.39	418.22
26 22 13 00-0051	EA		25 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	3,508.08	446.10
26 22 13 00-0052	EA		30 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	3,656.69	473.99
26 22 13 00-0053	EA		37.5 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	4,683.58	501.87
26 22 13 00-0054	EA		45 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	4,876.43	529.75

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0055	EA	50 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	6,332.15	557.63
<b>26 22 13 00-0056</b>		<b>3 Phase General Purpose "Dry Type" Transformer</b> <small>(26 22 13)</small>		
		Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.		
<b>26 22 13 00-0057</b>		<b>Packaged Power Supply</b> <small>(26 22 13 00-0056)</small>		
		Note: 2-5 Percent FCBN taps.		
26 22 13 00-0058	EA	15 KVA, 480 Volt - 208/120 Volt, Transformer With 12 - 1 Pole / 4 - 3 Pole Max, 40 Amperes Breakers.....	5,371.05	1,198.91
		<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	148.66	
		<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	222.99	
26 22 13 00-0059	EA	22.5 KVA, 480 Volt - 208/120 Volt, Transformer With 18 - 1 Pole / 6 - 3 Pole Max, 60 Amperes Breakers.....	6,249.57	1,282.56
		<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	184.22	
		<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	276.33	
26 22 13 00-0060	EA	30 KVA, 480 Volt - 208/120 Volt, Transformer With 24 - 1 Pole / 8 - 3 Pole Max, 80 Amperes Breakers.....	7,308.94	1,394.09
		<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	226.04	
		<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	339.06	
<b>26 22 13 00-0061</b>		<b>Drive Isolation Transformers</b> <small>(26 22 13 00-0056)</small>		
		Note: Only use in step-up applications.		
<b>26 22 13 00-0062</b>		<b>230 Volt Drive Isolation Transformers</b> <small>(26 22 13 00-0061)</small>		
26 22 13 00-0063	EA	7.5 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	3,523.72	446.10
26 22 13 00-0064	EA	11 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	4,071.65	473.99
26 22 13 00-0065	EA	15 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	4,225.86	501.87
26 22 13 00-0066	EA	20 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	4,920.79	529.75
26 22 13 00-0067	EA	27 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	5,133.37	585.51
26 22 13 00-0068	EA	34 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	5,641.27	641.28
26 22 13 00-0069	EA	40 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	6,348.66	697.04
26 22 13 00-0070	EA	51 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	7,354.61	780.69
26 22 13 00-0071	EA	63 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	7,920.92	808.57
26 22 13 00-0072	EA	75 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	9,041.11	836.45
26 22 13 00-0073	EA	93 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	11,174.50	864.34
26 22 13 00-0074	EA	118 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	12,639.75	1,059.51
26 22 13 00-0075	EA	145 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	14,028.31	1,115.27
26 22 13 00-0076	EA	175 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	15,957.61	1,171.03
26 22 13 00-0077	EA	220 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	19,428.95	1,394.09
26 22 13 00-0078	EA	275 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	25,527.20	1,645.02
26 22 13 00-0079	EA	330 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	27,024.62	1,812.32
26 22 13 00-0080	EA	440 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	32,700.27	2,007.48
26 22 13 00-0081	EA	550 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	40,099.84	2,230.54
<b>26 22 13 00-0082</b>		<b>208V Drive Isolation Transformers</b> <small>(26 22 13 00-0061)</small>		
26 22 13 00-0083	EA	7.5 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	3,657.66	446.10
26 22 13 00-0084	EA	11 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	4,230.65	473.99
26 22 13 00-0085	EA	15 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	4,389.86	501.87
26 22 13 00-0086	EA	20 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	5,117.33	529.75
26 22 13 00-0087	EA	27 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	5,335.05	585.51
26 22 13 00-0088	EA	30 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	5,807.35	613.40
26 22 13 00-0089	EA	45 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	6,656.60	724.93
26 22 13 00-0090	EA	51 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	7,649.49	780.69
26 22 13 00-0091	EA	63 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	8,241.79	808.57
26 22 13 00-0092	EA	75 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	9,416.15	836.45
26 22 13 00-0093	EA	93 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	11,655.30	864.34
26 22 13 00-0094	EA	118 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	13,175.26	1,059.51
26 22 13 00-0095	EA	145 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	14,628.82	1,115.27
26 22 13 00-0096	EA	175 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	16,650.64	1,171.03
26 22 13 00-0097	EA	220 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	20,275.97	1,394.09
<b>26 22 13 00-0098</b>		<b>480 Volt x 208Y/120 Volt, 2-2.5 Percent FCBN Taps</b> <small>(26 22 13 00-0056)</small>		
26 22 13 00-0099	EA	9 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	2,634.76	460.05
26 22 13 00-0100	EA	15 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	3,356.47	501.87
		<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	117.64	
		<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	176.45	
<b>26 22 13 00-0101</b>		<b>480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 4-2.5 Percent FCBN Taps</b> <small>(26 22 13 00-0056)</small>		
26 22 13 00-0102	EA	30 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	3,811.19	613.40
		<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	129.22	
		<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	193.83	
		<i>For K4 Factor Rating, Add</i>	1,809.08	
		<i>For K13 Factor Rating, Add</i>	2,584.40	
		<i>For K20 Factor Rating, Add</i>	3,359.72	
26 22 13 00-0103	EA	37.5 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	4,532.78	669.16
		<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	159.72	
		<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	239.58	
		<i>For K4 Factor Rating, Add</i>	2,236.12	
		<i>For K13 Factor Rating, Add</i>	3,194.46	
		<i>For K20 Factor Rating, Add</i>	4,152.80	

**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 22 Low-Voltage Transformers**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 22 13 00-0104	EA 45 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	4,763.32	724.93
	For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	165.67	
	For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	248.51	
	For K4 Factor Rating, Add	2,319.43	
	For K13 Factor Rating, Add	3,313.47	
	For K20 Factor Rating, Add	4,307.51	
26 22 13 00-0105	EA 50 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	6,090.15	780.69
	For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	226.44	
	For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	339.66	
	For K4 Factor Rating, Add	3,170.14	
	For K13 Factor Rating, Add	4,528.77	
	For K20 Factor Rating, Add	5,887.40	
26 22 13 00-0106	EA 75 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	6,069.67	836.45
	For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	219.84	
	For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	329.76	
	For K4 Factor Rating, Add	3,077.73	
	For K13 Factor Rating, Add	4,396.76	
	For K20 Factor Rating, Add	5,715.79	
26 22 13 00-0107	EA 112.5 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	7,519.32	1,003.75
	For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	275.59	
	For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	413.39	
	For K4 Factor Rating, Add	3,858.29	
	For K13 Factor Rating, Add	5,511.84	
	For K20 Factor Rating, Add	7,165.39	
26 22 13 00-0108	EA 150 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	9,581.43	1,115.27
	For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	367.54	
	For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	551.32	
	For K4 Factor Rating, Add	5,145.62	
	For K13 Factor Rating, Add	7,350.89	
	For K20 Factor Rating, Add	9,556.16	
26 22 13 00-0109	EA 225 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	12,944.80	1,394.09
	For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	507.83	
	For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	761.75	
	For K4 Factor Rating, Add	7,109.64	
	For K13 Factor Rating, Add	10,156.63	
	For K20 Factor Rating, Add	13,203.62	
26 22 13 00-0110	EA 300 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	15,807.04	1,728.67
	For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	617.49	
	For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	926.23	
	For K4 Factor Rating, Add	8,644.80	
	For K13 Factor Rating, Add	12,349.71	
	For K20 Factor Rating, Add	16,054.62	
26 22 13 00-0111	EA 500 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	22,322.17	2,119.01
	For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	904.21	
	For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	1,356.31	
	For K4 Factor Rating, Add	12,658.91	
	For K13 Factor Rating, Add	18,084.15	
	For K20 Factor Rating, Add	23,509.40	
26 22 13 00-0112	EA 750 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	49,241.62	2,554.18
	For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	2,205.57	
	For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	3,308.35	
	For K4 Factor Rating, Add	30,877.97	
	For K13 Factor Rating, Add	44,111.38	
	For K20 Factor Rating, Add	57,344.79	
26 22 13 00-0113	EA 1,000 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	64,304.93	2,788.17
	For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	2,936.43	
	For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	4,404.64	
	For K4 Factor Rating, Add	41,110.01	
	For K13 Factor Rating, Add	58,728.58	
	For K20 Factor Rating, Add	76,347.15	
26 22 13 00-0114	480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 2-2.5 Percent FCBN Taps <small>(26 22 13 00-0056)</small>		
26 22 13 00-0115	EA 6 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	2,200.73	432.17
	For K4 Factor Rating, Add	935.47	
	For K13 Factor Rating, Add	1,336.39	
	For K20 Factor Rating, Add	1,737.31	
26 22 13 00-0116	EA 9 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	2,634.76	460.05
	For K4 Factor Rating, Add	1,200.26	
	For K13 Factor Rating, Add	1,714.66	
	For K20 Factor Rating, Add	2,229.06	
26 22 13 00-0117	EA 15 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	3,356.47	501.87
	For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	117.64	
	For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	176.45	
	For K4 Factor Rating, Add	1,646.90	
	For K13 Factor Rating, Add	2,352.72	
	For K20 Factor Rating, Add	3,058.54	
26 22 13 00-0118	480 Volt x 480Y/277 Volt, 2-2.5 Percent FCAN And 4 Percent FCBN Taps <small>(26 22 13 00-0056)</small>		
26 22 13 00-0119	EA 30 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	6,146.30	613.40
	For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	245.98	
	For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	368.96	
	For K4 Factor Rating, Add	3,443.66	
	For K13 Factor Rating, Add	4,919.51	
	For K20 Factor Rating, Add	6,395.36	

		EA	45 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	6,924.28	724.93
26 22 13 00-0120			For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	273.72	
			For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	410.58	
			For K4 Factor Rating, Add	3,832.10	
			For K13 Factor Rating, Add	5,474.43	
			For K20 Factor Rating, Add	7,116.76	
26 22 13 00-0121		EA	75 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	9,998.87	836.45
			For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	416.30	
			For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	624.45	
			For K4 Factor Rating, Add	5,828.17	
			For K13 Factor Rating, Add	8,325.96	
			For K20 Factor Rating, Add	10,823.75	
26 22 13 00-0122		EA	112.5 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	12,509.50	1,003.75
			For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	525.10	
			For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	787.65	
			For K4 Factor Rating, Add	7,351.41	
			For K13 Factor Rating, Add	10,502.02	
			For K20 Factor Rating, Add	13,652.63	
26 22 13 00-0123		EA	150 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	14,979.28	1,115.27
			For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	637.44	
			For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	956.16	
			For K4 Factor Rating, Add	8,924.12	
			For K13 Factor Rating, Add	12,748.74	
			For K20 Factor Rating, Add	16,573.36	
26 22 13 00-0124		EA	225 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	19,167.82	1,394.09
			For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	818.98	
			For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	1,228.47	
			For K4 Factor Rating, Add	11,465.76	
			For K13 Factor Rating, Add	16,379.65	
			For K20 Factor Rating, Add	21,293.55	
26 22 13 00-0125		EA	300 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	23,336.96	1,728.67
			For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	993.98	
			For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	1,490.97	
			For K4 Factor Rating, Add	13,915.74	
			For K13 Factor Rating, Add	19,879.63	
			For K20 Factor Rating, Add	25,843.52	
26 22 13 00-0126		EA	500 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	36,889.25	2,119.01
			For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	1,632.56	
			For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	2,448.84	
			For K4 Factor Rating, Add	22,855.86	
			For K13 Factor Rating, Add	32,651.23	
			For K20 Factor Rating, Add	42,446.60	
26 22 13 00-0127			<b>3 Phase 60 Hz K20 Dry Type Transformers</b> <small>(26 22 13 00-0056)</small>		
26 22 13 00-0128			<b>3 Phase 60 Hz K20 Dry Type Transformers, 115 C Rise</b> <small>(26 22 13 00-0127)</small>		
			Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.		
26 22 13 00-0129		EA	15 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20 .....	3,167.34	501.87
26 22 13 00-0130		EA	30 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20 .....	4,654.03	613.40
26 22 13 00-0131		EA	45 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20 .....	6,668.64	724.93
26 22 13 00-0132		EA	75 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20 .....	8,438.01	836.45
26 22 13 00-0133		EA	112.5 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	12,442.99	1,003.75
26 22 13 00-0134		EA	150 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20 .....	15,037.47	1,115.27
26 22 13 00-0135		EA	225 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20 .....	17,577.87	1,394.09
26 22 13 00-0136		EA	300 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20 .....	27,470.85	1,728.67
26 22 13 00-0137			<b>3 Phase 60 Hz K20 Dry Type Transformers, 80 C Rise</b> <small>(26 22 13 00-0127)</small>		
			Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.		
26 22 13 00-0138		EA	15 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20 .....	3,601.72	501.87
26 22 13 00-0139		EA	30 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20 .....	5,339.89	613.40
26 22 13 00-0140		EA	45 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20 .....	7,711.99	724.93
26 22 13 00-0141		EA	75 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20 .....	9,788.96	836.45
26 22 13 00-0142		EA	112.5 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	14,529.68	1,003.75
26 22 13 00-0143		EA	150 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20 .....	17,600.11	1,115.27
26 22 13 00-0144		EA	225 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20 .....	20,535.39	1,394.09
26 22 13 00-0145		EA	300 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20 .....	32,273.97	1,728.67
26 22 13 00-0146			<b>NEMA Premium Efficient Dry Type Transformers</b> <small>(26 22 13 00-0056)</small>		
26 22 13 00-0147			<b>Aluminum Windings, NEMA Premium Efficient Dry Type Transformers</b> <small>(26 22 13 00-0146)</small>		
			Note: Two taps at 2.5%, four at -2.5%.		
26 22 13 00-0148			<b>150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers</b> <small>(26 22 13 00-0147)</small>		
26 22 13 00-0149		EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	3,198.99	499.73
26 22 13 00-0150		EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	3,902.51	610.78
26 22 13 00-0151		EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	4,701.34	721.83
26 22 13 00-0152		EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	6,281.72	832.88
26 22 13 00-0153		EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	8,378.42	999.46
26 22 13 00-0154		EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	10,393.01	1,110.51

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 22 Low-Voltage Transformers**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 22 13 00-0155	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	13,760.60		1,388.14
26 22 13 00-0156	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	19,318.97		1,721.29
<b>26 22 13 00-0157</b>		<b>115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0147)</small></b>			
26 22 13 00-0158	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	3,860.77		499.73
26 22 13 00-0159	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	4,704.13		610.78
26 22 13 00-0160	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	5,678.85		721.83
26 22 13 00-0161	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	7,666.73		832.88
26 22 13 00-0162	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	9,807.96		999.46
26 22 13 00-0163	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	12,844.61		1,110.51
26 22 13 00-0164	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	17,056.11		1,388.14
26 22 13 00-0165	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	24,081.88		1,721.29
<b>26 22 13 00-0166</b>		<b>80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0147)</small></b>			
26 22 13 00-0167	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	4,519.88		499.73
26 22 13 00-0168	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	5,507.97		610.78
26 22 13 00-0169	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	6,656.38		721.83
26 22 13 00-0170	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	9,049.51		832.88
26 22 13 00-0171	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	11,611.59		999.46
26 22 13 00-0172	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	15,296.21		1,110.51
26 22 13 00-0173	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	20,351.63		1,388.14
26 22 13 00-0174	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	28,844.79		1,721.29
<b>26 22 13 00-0175</b>		<b>Copper Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0146)</small></b>			
		Note: Two taps at 2.5%, four at -2.5%.			
<b>26 22 13 00-0176</b>		<b>150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0175)</small></b>			
26 22 13 00-0177	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	4,299.43		499.73
26 22 13 00-0178	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	5,240.76		610.78
26 22 13 00-0179	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	6,329.05		721.83
26 22 13 00-0180	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	8,588.58		832.88
26 22 13 00-0181	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	11,638.30		999.46
26 22 13 00-0182	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	14,563.62		1,110.51
26 22 13 00-0183	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	19,365.20		1,388.14
26 22 13 00-0184	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	27,421.93		1,721.29
<b>26 22 13 00-0185</b>		<b>115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0175)</small></b>			
26 22 13 00-0186	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	4,958.54		499.73
26 22 13 00-0187	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	6,044.61		610.78
26 22 13 00-0188	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	7,306.58		721.83
26 22 13 00-0189	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	9,973.59		832.88
26 22 13 00-0190	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	15,147.59		999.46
26 22 13 00-0191	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	19,074.91		1,110.51
26 22 13 00-0192	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	24,344.11		1,388.14

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22	13 00-0193	EA		300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	36,215.17	1,721.29
<b>26 22 13 00-0194 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers</b> <small>(26 22 13 00-0175)</small>						
26 22	13 00-0195	EA		15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	5,619.86	499.73
26 22	13 00-0196	EA		30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	6,848.44	610.78
26 22	13 00-0197	EA		45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	8,284.09	721.83
26 22	13 00-0198	EA		75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	11,356.37	832.88
26 22	13 00-0199	EA		112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	17,966.60	999.46
26 22	13 00-0200	EA		150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	23,165.37	1,110.51
26 22	13 00-0201	EA		225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	29,320.78	1,388.14
26 22	13 00-0202	EA		300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	43,238.18	1,721.29
<b>26 22 13 00-0203 3 Phase Weathershields</b> <small>(26 22 13 00-0056)</small>						
Note: Use with type DT-3 and DS-3.						
26 22	13 00-0204	EA		45-112.5 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2 .....	571.55	
26 22	13 00-0205	EA		150-300 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2 .....	970.60	
26 22	13 00-0206	EA		500-1,000 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2 .....	970.60	
<b>26 22 13 00-0207 Three Phase Mounting Brackets</b> <small>(26 22 13 00-0056)</small>						
26 22	13 00-0208	EA		3 Phase Mounting Brackets (Set Of 2) For Transformers Up To 112.5 KVA .....	701.11	198.01
<b>26 22 13 00-0209 Pad Mounted Commercial Type Distribution Transformers UL Listed</b> <small>(26 22 13)</small>						
<b>26 22 13 00-0210 Distribution 3 Phase Oil Filled Transformer</b> <small>(26 22 13 00-0209)</small>						
Note: Designed for loads as shopping centers, institutions, and industrial plants with underground distribution. KVA-75 thru 1000, 3 phase 95 thru 150 KV BIL standard features. With taps 4-1/2 percent below - 2-1/2 percent above and below.						
<b>26 22 13 00-0211 Primary 4.16 / 4.8 KV, Ground Y / 13.8 - 14.4 KV, Secondary 480 Y /277 Volt, 480 Volt, 95 KV BIL</b> <small>(26 22 13 00-0210)</small>						
Note: Rated to 5 KVA.						
26 22	13 00-0212	EA		75 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 480 Y /277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	15,584.45	1,332.61
26 22	13 00-0213	EA		112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 480 Y /277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	17,678.29	1,332.61
26 22	13 00-0214	EA		150 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 480 Y /277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	20,762.09	2,298.76
26 22	13 00-0215	EA		225 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 480 Y /277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	24,625.47	2,298.76
26 22	13 00-0216	EA		300 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 480 Y /277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	28,538.85	3,442.59
26 22	13 00-0217	EA		500 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 480 Y /277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	38,677.81	4,553.10
26 22	13 00-0218	EA		750 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 480 Y /277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	50,747.78	5,774.65
26 22	13 00-0219	EA		1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 480 Y /277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	59,421.14	6,996.22
<b>26 22 13 00-0220 Primary 4.16 / 4.8 KV, Ground Y / 13.8 - 14.4 KV, Secondary 208 Y / 120 Volt, 95 BIL</b> <small>(26 22 13 00-0210)</small>						
Note: Rated to 5 KVA.						
26 22	13 00-0221	EA		75 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	15,584.45	1,332.61
26 22	13 00-0222	EA		112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	17,678.29	1,332.61
26 22	13 00-0223	EA		150 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	20,762.09	2,298.76
26 22	13 00-0224	EA		225 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	24,725.01	2,298.76
26 22	13 00-0225	EA		300 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	28,800.68	3,442.59
26 22	13 00-0226	EA		500 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	38,739.76	4,553.10
26 22	13 00-0227	EA		750 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	55,982.09	5,774.65
26 22	13 00-0228	EA		1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	60,539.84	6,996.22
<b>26 22 13 00-0229 Factory Modifications</b> <small>(26 22 13 00-0210)</small>						
Note: For use with series 4100 3 phase transformers.						
26 22	13 00-0230	EA		Current Limiting Fuse 95 KV Series 4100, 3 Phase Transformer, Factory Modification .....	1,047.29	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 22 Low-Voltage Transformers**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 22 13 00-0231	EA	Lightning Arrestors 9-10 KV Series 4100, 3 Phase Transformer, Factory Modification .....	170.30	
26 22 13 00-0232	EA	Loadbreaker Oil Switch, 2 Position Series 4100, 3 Phase Transformer, Factory Modification.....	681.21	
26 22 13 00-0233	EA	Loop Feed Air Switch Series 4100, 3 Phase Transformer, Factory Modification .....	1,962.60	
26 22 13 00-0234	EA	Loadbreaker Inserts Series 4100, 3 Phase Transformer, Factory Modification .....	240.43	
26 22 13 00-0235	EA	Lightning Arrestors, 15 KV Series 4100, 3 Phase Transformer, Factory Modification.....	190.34	

**26 22 13 00-0236 Accessories For Transformer Liquid Containment Area** (26 22 13 00-0210)

Note: Reinforced concrete curb with 6" slab.

26 22 13 00-0237	EA	Containment Area For 75 KVA.....	5,470.86	2,024.58
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>1,349.74</i>	
26 22 13 00-0238	EA	Containment Area For 112.5 KVA.....	5,470.86	2,024.58
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>1,349.74</i>	
26 22 13 00-0239	EA	Containment Area For 150 KVA.....	5,470.86	2,024.58
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>1,349.74</i>	
26 22 13 00-0240	EA	Containment Area For 225 KVA.....	5,470.86	2,024.58
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>1,349.74</i>	
26 22 13 00-0241	EA	Containment Area For 300 KVA.....	5,463.60	2,024.58
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>1,347.56</i>	
26 22 13 00-0242	EA	Containment Area For 500 KVA.....	5,463.60	2,024.58
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>1,347.56</i>	
26 22 13 00-0243	EA	Containment Area For 750 KVA.....	5,491.65	2,024.58
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>1,347.56</i>	
26 22 13 00-0244	EA	Containment Area For 1,000 KVA.....	5,898.37	2,024.58
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>1,347.56</i>	

**26 22 13 00-0245 Primary 4.16 / 4.8 KV, Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 95 KV BIL** (26 22 13 00-0210)

Note: Rated to 5 KVA.

26 22 13 00-0246	EA	45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	7,410.18	1,332.61
26 22 13 00-0247	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	8,011.24	1,332.61
26 22 13 00-0248	EA	112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	8,411.95	1,332.61
26 22 13 00-0249	EA	150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	9,614.08	1,332.61
26 22 13 00-0250	EA	225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	10,709.29	1,998.92
26 22 13 00-0251	EA	300 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	11,110.00	1,998.92
26 22 13 00-0252	EA	500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	15,918.52	1,998.92
26 22 13 00-0253	EA	750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	20,430.28	2,665.22
26 22 13 00-0254	EA	1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	25,639.51	2,665.22

**26 22 13 00-0255 Primary 4.16 / 4.8 KV, Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 95 BIL** (26 22 13 00-0210)

Note: Rated to 5 KVA.

26 22 13 00-0256	EA	45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted .....	7,610.53	1,332.61
26 22 13 00-0257	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted .....	8,411.95	1,332.61
26 22 13 00-0258	EA	112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	8,612.30	1,332.61
26 22 13 00-0259	EA	150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted .....	8,812.66	1,332.61
26 22 13 00-0260	EA	225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted .....	10,709.29	1,998.92
26 22 13 00-0261	EA	300 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted .....	11,510.71	1,998.92
26 22 13 00-0262	EA	500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted .....	15,918.52	1,998.92
26 22 13 00-0263	EA	750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted .....	20,630.64	2,665.22
26 22 13 00-0264	EA	1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	25,639.51	2,665.22

**26 22 13 00-0265 Primary 5 KV Or 15 KV, Secondary 277/480 Volt** (26 22 13 00-0209)

Note: 4-2.5 Percent taps FCAN and FCBN. Pad mounted.

26 22 13 00-0266	EA	150 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase .....	12,694.66	1,787.89
26 22 13 00-0267	EA	225 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase .....	14,098.27	2,110.63
26 22 13 00-0268	EA	300 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase .....	16,146.17	2,579.66
26 22 13 00-0269	EA	500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase .....	18,988.19	2,902.41
26 22 13 00-0270	EA	750 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase .....	22,564.75	3,055.08
26 22 13 00-0271	EA	1,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	28,457.73	4,463.91
26 22 13 00-0272	EA	1,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	33,128.68	5,050.20
26 22 13 00-0273	EA	2,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	40,751.81	5,804.83
26 22 13 00-0274	EA	2,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	44,542.70	6,095.07
26 22 13 00-0275	EA	3,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	47,589.07	6,791.88
26 22 13 00-0276	EA	3,750 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	53,863.89	7,256.27



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>26 22 13 00-0277</b>	<b>Pad Mounted Transformer 15 KV - 480 Volt, Oil Filled</b> <small>(26 22 13 00-0209)</small>		
26 22 13 00-0278	EA 1,500 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	47,424.38	4,948.99
26 22 13 00-0279	EA 2,000 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	57,983.29	5,691.37
26 22 13 00-0280	EA 2,500 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	65,480.20	5,990.87
26 22 13 00-0281	EA 3,000 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	69,860.10	6,695.72
26 22 13 00-0282	EA 3,750 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	77,751.98	6,898.61

<b>26 22 13 00-0283</b>	<b>Silicone Filled Distribution Transformers, 3 Phase</b> <small>(26 22 13 00-0209)</small>		
	<small>Note: Primary 5 KV or 15 KV, secondary 277/480 V, 4-2.5 percent taps FCAN and FCBN. Pad mounted.</small>		
26 22 13 00-0284	EA 225 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase .....	20,448.04	2,110.63
26 22 13 00-0285	EA 300 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase .....	22,419.24	2,579.66
26 22 13 00-0286	EA 500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase .....	26,101.44	2,902.41
26 22 13 00-0287	EA 750 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase .....	30,938.29	3,055.08
26 22 13 00-0288	EA 1,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase .....	38,289.78	4,463.91
26 22 13 00-0289	EA 1,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase .....	47,699.76	5,050.20
26 22 13 00-0290	EA 2,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase .....	57,583.83	5,804.83
26 22 13 00-0291	EA 2,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase .....	65,049.64	6,095.07

<b>26 22 13 00-0292</b>	<b>Foam Core Poly Transformer Pads</b> <small>(26 22 13)</small>		
26 22 13 00-0293	EA Single Phase Foam Core Poly Pads.....	188.55	37.85
	<small>Note: Excludes site prep.</small>		

## 26 24 Switchboards and Panelboards (26 24)

### 26 24 13 Switchboards (26 24)

Note: Installation of free-standing building distribution switchboards. Switchboard sections to be mounted on 4" concrete pad. Includes material, handling, unloading at job site, assembly and installation, wiring connections, testing and cleanup. Exclude concrete pad and foundation.

<b>26 24 13 00-0001</b>	<b>Fusible Switch Type 240 Volt, 3 Phase, 3 Wire</b> <small>(26 24 13)</small>		
<b>26 24 13 00-0002</b>	<b>Incoming Service Section Main Device Only</b> <small>(26 24 13 00-0001)</small>		
	<small>Note: Copper bus, non-metering type, with fuses.</small>		
26 24 13 00-0003	EA 400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch .....	3,860.72	947.94
26 24 13 00-0004	EA 600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch .....	4,276.12	1,002.68
26 24 13 00-0005	EA 800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch .....	6,935.72	1,137.38
26 24 13 00-0006	EA 1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch .....	7,471.58	1,219.31
26 24 13 00-0007	EA 1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch .....	12,028.56	1,300.05
26 24 13 00-0008	EA 2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch .....	13,417.27	1,382.31
26 24 13 00-0009	EA 400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker .....	4,686.34	947.94
26 24 13 00-0010	EA 600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker .....	6,016.11	1,002.68
26 24 13 00-0011	EA 800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker .....	8,401.07	1,138.36
26 24 13 00-0012	EA 1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker .....	11,512.58	1,219.31
26 24 13 00-0013	EA 1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker .....	12,028.56	1,301.36
26 24 13 00-0014	EA 2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker .....	13,417.27	1,382.31
26 24 13 00-0015	EA 2,500 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker .....	16,138.62	1,445.17
26 24 13 00-0016	EA 3,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker .....	18,299.85	1,548.24
26 24 13 00-0017	EA 4,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker .....	21,611.23	1,668.97
26 24 13 00-0018	EA 400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	2,608.93	839.90
26 24 13 00-0019	EA 600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	2,884.41	894.19
26 24 13 00-0020	EA 800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,303.52	1,029.33
26 24 13 00-0021	EA 1,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,563.71	1,072.58
26 24 13 00-0022	EA 1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,796.65	1,111.27
26 24 13 00-0023	EA 1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	4,161.84	1,191.47
26 24 13 00-0024	EA 2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	4,500.29	1,273.18

<b>26 24 13 00-0025</b>	<b>Branch Breaker Units</b> <small>(26 24 13 00-0001)</small>		
	<small>Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.</small>		
26 24 13 00-0026	EA 15 To 60 Amperes, 240 Volt, MC Branch Breaker.....	334.05	33.05
	<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>		
		19.83	
26 24 13 00-0027	EA 70 To 100 Amperes, 240 Volt, MC Branch Breaker .....	489.22	52.02
	<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>		
		31.21	
26 24 13 00-0028	EA 125 To 225 Amperes, 240 Volt, MC Branch Breaker.....	1,316.71	94.82
	<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>		
		56.90	
26 24 13 00-0029	EA 100 To 400 Amperes, 240 Volt, MC Branch Breaker.....	2,340.44	123.55
	<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>		
		74.13	
26 24 13 00-0030	EA 300 To 600 Amperes, 240 Volt, MC Branch Breaker.....	4,163.82	303.45
	<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>		
		182.04	
26 24 13 00-0031	EA 400 To 800 Amperes, 240 Volt, MC Branch Breaker.....	6,677.51	303.45
	<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>		
		182.04	
26 24 13 00-0032	EA 600 To 1,200 Amperes, 240 Volt, MC Branch Breaker.....	10,823.17	540.79
	<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>		
		324.47	

<b>26 24 13 00-0033</b>	<b>Fusible Switch Type 480 Volt, 3 Phase, 3 Wire</b> <small>(26 24 13)</small>		
<b>26 24 13 00-0034</b>	<b>Incoming Service Section Main Device Only</b> <small>(26 24 13 00-0033)</small>		
	<small>Note: Copper bus, non-metering type, with fuses.</small>		
26 24 13 00-0035	EA 400 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch.....	5,468.41	1,230.05
26 24 13 00-0036	EA 600 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch.....	6,112.51	1,230.05

**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 24 Switchboards and Panelboards**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 24 13 00-0037	EA	800 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch .....	9,088.98		1,598.52
26 24 13 00-0038	EA	1,200 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch .....	10,305.74		1,598.52
<b>26 24 13 00-0039 Fusible Switch Type 120/240 Volt, 1 Phase, 3 Wire (26 24 13)</b>					
<b>26 24 13 00-0040 Incoming Service Section Main Device Only (26 24 13 00-0039)</b>					
Note: Copper bus, non-metering type, with fuses.					
26 24 13 00-0041	EA	200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch .....	3,474.95		839.90
26 24 13 00-0042	EA	600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch .....	3,871.65		894.19
26 24 13 00-0043	EA	800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch .....	5,952.41		1,029.33
26 24 13 00-0044	EA	1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch .....	6,467.76		1,110.41
26 24 13 00-0045	EA	200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker .....	4,258.70		839.90
26 24 13 00-0046	EA	600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker .....	5,388.91		894.19
26 24 13 00-0047	EA	800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker .....	7,580.19		1,029.33
26 24 13 00-0048	EA	1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker .....	10,907.33		1,110.41
26 24 13 00-0049	EA	2,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker .....	12,808.52		1,246.30
26 24 13 00-0050	EA	200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug .....	2,424.21		731.42
26 24 13 00-0051	EA	600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug .....	2,718.71		785.82
26 24 13 00-0052	EA	800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug .....	3,191.63		920.97
26 24 13 00-0053	EA	1,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug .....	3,437.25		964.20
26 24 13 00-0054	EA	1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug .....	3,675.09		1,002.68
26 24 13 00-0055	EA	1,600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug .....	3,988.99		1,072.58
26 24 13 00-0056	EA	2,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug .....	4,296.19		1,137.38
26 24 13 00-0057	EA	2,500 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug .....	5,333.20		1,408.86
26 24 13 00-0058	EA	3,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug .....	5,971.44		1,544.33
26 24 13 00-0059	EA	4,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug .....	7,035.45		1,666.25
<b>26 24 13 00-0060 Branch Breaker Units (26 24 13 00-0039)</b>					
Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 2 pole. Use upper range to determine breaker unless designing for future expansion.					
26 24 13 00-0061	EA	15 To 60 Amperes, 120 / 240 Volt, MC Branch Breaker .....	179.02		28.72
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
			17.23		
26 24 13 00-0062	EA	70 To 100 Amperes, 120 / 240 Volt, MC Branch Breaker .....	284.27		47.69
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
			28.61		
26 24 13 00-0063	EA	125 To 225 Amperes, 120 / 240 Volt, MC Branch Breaker .....	870.16		66.65
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
			39.99		
26 24 13 00-0064	EA	100 To 400 Amperes, 120 / 240 Volt, MC Branch Breaker .....	2,507.41		85.61
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
			51.37		
26 24 13 00-0065	EA	300 To 600 Amperes, 120/240 Volt, MC Branch Breaker .....	3,945.76		208.62
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
			125.16		
26 24 13 00-0066	EA	400 To 800 Amperes, 120/240 Volt, MC Branch Breaker .....	5,613.73		208.62
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
			125.16		
26 24 13 00-0067	EA	600 To 1,200 Amperes, 120/240 Volt, MC Branch Breaker .....	9,253.75		398.27
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
			238.99		
<b>26 24 13 00-0068 Fusible Switch Type 120/208 Volt, 3 Phase, 4 Wire (26 24 13)</b>					
<b>26 24 13 00-0069 Incoming Service Section Main Device Only (26 24 13 00-0068)</b>					
Note: Copper bus, non-metering type, with fuses.					
26 24 13 00-0070	EA	400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch .....	3,862.05		947.94
26 24 13 00-0071	EA	600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch .....	4,274.63		1,002.68
26 24 13 00-0072	EA	800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch .....	6,933.80		1,137.38
26 24 13 00-0073	EA	1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch .....	7,469.39		1,219.31
26 24 13 00-0074	EA	1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch .....	12,023.56		1,300.05
26 24 13 00-0075	EA	2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch .....	13,417.27		1,382.31
26 24 13 00-0076	EA	400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker .....	4,687.67		947.94
26 24 13 00-0077	EA	600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker .....	6,014.62		1,002.68
26 24 13 00-0078	EA	800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker .....	8,401.07		1,138.36
26 24 13 00-0079	EA	1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker .....	11,510.39		1,219.31
26 24 13 00-0080	EA	1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker .....	12,026.05		1,301.36
26 24 13 00-0081	EA	2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker .....	13,417.27		1,382.31
26 24 13 00-0082	EA	400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug .....	2,739.77		839.90
26 24 13 00-0083	EA	600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug .....	3,066.13		894.19
26 24 13 00-0084	EA	800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug .....	3,576.04		1,029.33
26 24 13 00-0085	EA	1,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug .....	3,849.99		1,072.58
26 24 13 00-0086	EA	1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug .....	4,114.99		1,111.27
26 24 13 00-0087	EA	1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug .....	4,467.87		1,191.47
26 24 13 00-0088	EA	2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug .....	4,825.63		1,273.18
26 24 13 00-0089	EA	2,500 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug .....	5,732.58		1,446.80
26 24 13 00-0090	EA	3,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug .....	6,346.19		1,548.13
26 24 13 00-0091	EA	4,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug .....	7,503.82		1,663.54
<b>26 24 13 00-0092 Branch Breaker Units (26 24 13 00-0068)</b>					
Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 120/208 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.					
26 24 13 00-0093	EA	15 To 60 Amperes, 120/208 Volt, MC Branch Breaker .....	334.05		33.05
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
			19.83		
26 24 13 00-0094	EA	70 To 100 Amperes, 120/208 Volt, MC Branch Breaker .....	489.22		52.02
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
			31.21		
26 24 13 00-0095	EA	125 To 225 Amperes, 120/208 Volt, MC Branch Breaker .....	1,316.71		94.82
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
			56.90		
26 24 13 00-0096	EA	100 To 400 Amperes, 120/208 Volt, MC Branch Breaker .....	2,340.44		123.55
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
			74.13		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 24 13 00-0097	EA 300 To 600 Amperes, 120/208 Volt, MC Branch Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,163.82 182.04	303.45
26 24 13 00-0098	EA 400 To 800 Amperes, 120/208 Volt, MC Branch Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,677.51 182.04	303.45
26 24 13 00-0099	EA 600 To 1,200 Amperes, 120/208 Volt, MC Branch Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,823.17 324.47	540.79
<b>26 24 13 00-0100</b>	<b>Fusible Switch Type 277/480 Volt, 3 Phase, 4 Wire <small>(26 24 13)</small></b>		
<b>26 24 13 00-0101</b>	<b>Incoming Service Section Main Device Only <small>(26 24 13 00-0100)</small></b> Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0102	EA 400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	5,001.64	1,300.05
26 24 13 00-0103	EA 600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	5,492.69	1,382.31
26 24 13 00-0104	EA 800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	7,840.23	1,542.92
26 24 13 00-0105	EA 1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	8,572.63	1,652.05
26 24 13 00-0106	EA 400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	6,403.34	1,300.05
26 24 13 00-0107	EA 600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	8,634.39	1,382.31
26 24 13 00-0108	EA 800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	9,784.70	1,544.66
26 24 13 00-0109	EA 1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	12,375.82	1,652.05
26 24 13 00-0110	EA 1,600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	12,946.63	1,761.63
26 24 13 00-0111	EA 2,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	14,394.83	1,871.08
26 24 13 00-0112	EA 400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	2,739.77	839.90
26 24 13 00-0113	EA 600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,066.13	894.19
26 24 13 00-0114	EA 800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,576.04	1,029.33
26 24 13 00-0115	EA 1,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,849.99	1,072.58
26 24 13 00-0116	EA 1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	4,114.99	1,111.27
26 24 13 00-0117	EA 1,600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	4,467.87	1,191.47
26 24 13 00-0118	EA 2,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	4,825.63	1,273.18
<b>26 24 13 00-0119</b>	<b>Branch Breaker Units <small>(26 24 13 00-0100)</small></b> Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 480 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0120	EA 15 To 60 Amperes, 480/277 Volt, MC Branch Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	694.10 19.83	33.05
26 24 13 00-0121	EA 70 To 100 Amperes, 480/277 Volt, MC Branch Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	799.03 31.21	52.02
26 24 13 00-0122	EA 125 To 225 Amperes, 480/277 Volt, MC Branch Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,449.01 56.90	94.82
26 24 13 00-0123	EA 100 To 400 Amperes, 480/277 Volt, MC Branch Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,340.44 74.13	123.55
26 24 13 00-0124	EA 300 To 600 Amperes, 480/277 Volt, MC Branch Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,607.39 182.04	303.45
26 24 13 00-0125	EA 400 To 800 Amperes, 480/277 Volt, MC Branch Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,736.34 182.04	303.45
26 24 13 00-0126	EA 600 To 1,200 Amperes, 480/277 Volt, MC Branch Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,200.41 324.47	540.79
<b>26 24 13 00-0127</b>	<b>Fusible Branch Circuit Switch <small>(26 24 13)</small></b> Note: Includes switch fuses, and portion of distribution section occupied by that branch device.		
<b>26 24 13 00-0128</b>	<b>240 Volt, 2 Pole Twin Branch Switch Units <small>(26 24 13 00-0127)</small></b>		
26 24 13 00-0129	EA 30/30 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	711.35 292.76	85.07
26 24 13 00-0130	EA 30/60 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	708.85 292.76	85.07
26 24 13 00-0131	EA 60/60 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	708.85 292.76	85.07
26 24 13 00-0132	EA 60/100 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	1,114.11 292.76	112.17
26 24 13 00-0133	EA 100/100 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	1,114.11 292.76	112.17
<b>26 24 13 00-0134</b>	<b>240 Volt, 2 Pole Single Branch Switch Units <small>(26 24 13 00-0127)</small></b>		
26 24 13 00-0135	EA 100 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	814.74 280.46	83.45
26 24 13 00-0136	EA 200 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	1,190.83 280.46	83.45
26 24 13 00-0137	EA 400 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit.....	3,060.04	224.88
<b>26 24 13 00-0138</b>	<b>240 Volt, 3 Pole Twin Branch Switch Units <small>(26 24 13 00-0127)</small></b>		
26 24 13 00-0139	EA 30/30 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	912.55 292.76	95.91
26 24 13 00-0140	EA 30/60 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	910.04 292.76	95.91
26 24 13 00-0141	EA 60/60 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	910.04 292.76	95.91
26 24 13 00-0142	EA 60/100 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	1,372.10 292.76	128.43
26 24 13 00-0143	EA 100/100 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	1,372.10 292.76	128.43

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0144			<b>240 Volt, 3 Pole Single Branch Switch Units</b> (26 24 13 00-0127)		
26 24 13 00-0145	EA		100 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit .....	987.30	94.28
			<i>For Electrical Interlock Kit, Add</i> .....	292.76	
26 24 13 00-0146	EA		200 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit .....	1,600.38	94.28
			<i>For Electrical Interlock Kit, Add</i> .....	280.46	
26 24 13 00-0147	EA		400 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit .....	4,102.05	251.75
26 24 13 00-0148	EA		600 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit .....	5,860.72	322.52
26 24 13 00-0149	EA		800 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit .....	10,920.65	436.96
26 24 13 00-0150			<b>600 Volt, 3 Pole Twin Branch Switch Units</b> (26 24 13 00-0127)		
26 24 13 00-0151	EA		30/30 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit.....	1,292.20	95.91
			<i>For Electrical Interlock Kit, Add</i> .....	292.76	
26 24 13 00-0152	EA		30/60 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit.....	1,289.66	95.91
			<i>For Electrical Interlock Kit, Add</i> .....	292.76	
26 24 13 00-0153	EA		60/60 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit.....	1,292.20	95.91
			<i>For Electrical Interlock Kit, Add</i> .....	292.76	
26 24 13 00-0154	EA		60/100 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit.....	1,944.93	128.43
			<i>For Electrical Interlock Kit, Add</i> .....	292.76	
26 24 13 00-0155	EA		100/100 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit.....	1,987.33	128.43
			<i>For Electrical Interlock Kit, Add</i> .....	292.76	
26 24 13 00-0156	EA		200/200 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit.....	4,239.43	167.98
			<i>For Electrical Interlock Kit, Add</i> .....	292.76	
26 24 13 00-0157			<b>600 Volt, 3 Pole, Single Branch Switch Units</b> (26 24 13 00-0127)		
26 24 13 00-0158	EA		100 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit .....	1,396.19	94.28
			<i>For Electrical Interlock Kit, Add</i> .....	292.76	
26 24 13 00-0159	EA		200 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit .....	2,119.49	94.28
			<i>For Electrical Interlock Kit, Add</i> .....	280.46	
26 24 13 00-0160	EA		400 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit .....	5,155.02	251.75
			<i>For Electrical Interlock Kit, Add</i> .....	280.46	
26 24 13 00-0161	EA		600 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit .....	6,259.27	322.52
26 24 13 00-0162	EA		800 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit .....	10,920.65	436.96
26 24 13 00-0163			<b>Service And Distribution Structures</b> (26 24 13)		
26 24 13 00-0164			<b>Distribution Section 600 Volt, 250 Volt DC</b> (26 24 13 00-0163)		
26 24 13 00-0165			<b>600 Amperes, 4 Wire, Main Bus</b> (26 24 13 00-0164)		
26 24 13 00-0166	EA		14 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	2,553.84	997.04
26 24 13 00-0167	EA		24 To 30 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	3,051.11	997.04
26 24 13 00-0168	EA		34 To 38 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	3,397.73	1,267.97
26 24 13 00-0169	EA		42 To 48 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	3,747.84	1,267.97
26 24 13 00-0170			<b>800 Amperes, 4 Wire, Main Bus</b> (26 24 13 00-0164)		
26 24 13 00-0171	EA		14 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	2,872.46	1,154.18
26 24 13 00-0172	EA		24 To 30 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	3,355.89	1,154.18
26 24 13 00-0173	EA		34 To 38 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	3,747.84	1,430.54
26 24 13 00-0174	EA		42 To 48 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	4,062.36	1,430.54
26 24 13 00-0175			<b>1,200 Amperes, 4 Wire, Main Bus</b> (26 24 13 00-0164)		
26 24 13 00-0176	EA		14 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	3,365.60	1,408.86
26 24 13 00-0177	EA		24 To 30 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	3,860.86	1,408.86
26 24 13 00-0178	EA		34 To 38 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	4,277.39	1,733.99
26 24 13 00-0179	EA		42 To 48 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	4,738.16	1,733.99
26 24 13 00-0180			<b>1,600 Amperes, 4 Wire, Main Bus</b> (26 24 13 00-0164)		
26 24 13 00-0181	EA		14 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	4,167.61	1,544.33
26 24 13 00-0182	EA		24 To 30 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	4,757.60	1,544.33
26 24 13 00-0183	EA		34 To 38 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	5,252.26	1,907.39
26 24 13 00-0184	EA		42 To 48 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	5,653.64	1,907.39
26 24 13 00-0185			<b>2,000 Amperes, 4 Wire, Main Bus</b> (26 24 13 00-0164)		
26 24 13 00-0186	EA		14 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	4,368.53	1,549.75
26 24 13 00-0187	EA		24 To 30 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	5,005.71	1,744.82
26 24 13 00-0188	EA		34 To 38 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	5,113.32	1,744.82
26 24 13 00-0189	EA		42 To 48 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	5,325.98	1,842.36
26 24 13 00-0190			<b>3,000 Amperes, 4 Wire, Main Bus</b> (26 24 13 00-0164)		
26 24 13 00-0191	EA		24 To 30 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	6,028.77	1,744.82
26 24 13 00-0192	EA		34 To 38 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	6,134.77	1,744.82
26 24 13 00-0193	EA		42 To 48 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	6,347.43	1,842.36
26 24 13 00-0194			<b>4,000 Amperes, 4 Wire, Main Bus</b> (26 24 13 00-0164)		
26 24 13 00-0195	EA		24 To 30 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	6,167.71	1,842.36
26 24 13 00-0196	EA		34 To 38 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	6,347.43	1,842.36

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 24 13 00-0197	EA		42 To 48 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	6,424.23	1,842.36
<b>26 24 13 00-0198</b>			<b>Pull Boy, Horizontal Mounted Across Top Of Switch Board</b> <small>(26 24 13 00-0164)</small>		
26 24 13 00-0199	EA		18 - 24" Wide, 30" High, Open Bottom, Pull Boy Horizontal Mounted, Top Of Switchboard.....	546.63	130.05
26 24 13 00-0200	EA		Drilled Bottom For Pull Boy.....	616.24	130.05
26 24 13 00-0201	EA		Cable Supports In Pull Box.....	220.82	32.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.06	
<b>26 24 13 00-0202</b>			<b>Underground Pull Sections</b> <small>(26 24 13 00-0164)</small>		
			Note: Excludes no bus or terminal.		
26 24 13 00-0203	EA		12 To 20" Wide, 15 - 20" Deep, Underground Pull Section Without Bus Or Terminal .....	529.52	151.73
26 24 13 00-0204	EA		24 To 28" Wide, 20" Deep, Underground Pull Section Without Bus Or Terminal.....	917.28	195.07
26 24 13 00-0205	EA		24 To 28" Wide, 30" Deep, Underground Pull Section Without Bus Or Terminal.....	917.28	195.07
26 24 13 00-0206	EA		14 To 20" Wide, 36" Deep, Underground Pull Section Without Bus Or Terminal.....	686.63	151.73
26 24 13 00-0207	EA		28 To 30" Wide, 36" Deep, Underground Pull Section Without Bus Or Terminal.....	983.17	222.17
26 24 13 00-0208	EA		14 To 20" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal .....	1,121.90	222.17
26 24 13 00-0209	EA		26 To 30" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal .....	1,175.72	287.19
26 24 13 00-0210	EA		38" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal.....	1,241.29	287.19
<b>26 24 13 00-0211</b>			<b>Switchboard Sections</b> <small>(26 24 13 00-0163)</small>		
26 24 13 00-0212	EA		600 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit.....	4,265.35	903.08
26 24 13 00-0213	EA		800 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit.....	4,671.89	981.66
26 24 13 00-0214	EA		1,200 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit.....	5,858.75	1,254.32
26 24 13 00-0215	EA		1,600 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit.....	6,407.57	1,368.33
26 24 13 00-0216	EA		2,000 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit.....	6,833.61	1,456.66
26 24 13 00-0217	EA		400 Amperes, 480 Volt, Switchboard Incoming For Switch Circuit Section .....	5,077.07	792.22
26 24 13 00-0218	EA		200 Amperes, Distribution Section Subfeeder Lug-Rated .....	2,888.00	752.55
26 24 13 00-0219	EA		400 Amperes, Distribution Section Subfeeder Lug-Rated .....	3,200.26	816.06
26 24 13 00-0220	EA		120/208 Or 277/480 Volt, 4 Wire, Distribution Section Aluminum Bus.....	5,359.76	903.08
26 24 13 00-0221	EA		800 Amperes, Switchboard Distribution Section Aluminum Bus Less Breaker.....	5,780.47	905.47
26 24 13 00-0222	EA		1,000 Amperes, Switchboard Distribution Section Aluminum Bus Less Breaker .....	6,358.03	1,010.91
26 24 13 00-0223	EA		15 To 60 Amperes, 240 Volt, 1 Phase, Feed Section Circuit Breaker FA Frame.....	161.63	54.18
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.09	
26 24 13 00-0224	EA		70 To 100 Amperes, 240 Volt, 3 Phase, Feed Section Circuit Breaker FA Frame.....	197.31	55.17
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.10	
26 24 13 00-0225	EA		70 To 225 Amperes, 480 Volt, 3 Phase, Feed Section Circuit Breaker KA Frame .....	915.13	65.13
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.23	
26 24 13 00-0226	EA		125 To 400 Amperes, 480 Volt, 3 Phase, Feed Section Circuit Breaker LA Frame.....	1,517.16	140.35
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	117.29	
26 24 13 00-0227	EA		100 Amperes, 240 Volt HIC, 3 Phase, Switchboard Feed Section Branch Circuit Breaker .....	603.55	195.50
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.73	
26 24 13 00-0228	EA		225 Amperes, 240 Volt HIC, 3 Phase, Switchboard Feed Section Branch Circuit Breaker .....	1,706.33	112.93
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.23	
<b>26 24 13 00-0229</b>			<b>Switchboard, Structure Per Section Copper, 480 Volt</b> <small>(26 24 13 00-0163)</small>		
26 24 13 00-0230	EA		225 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	2,211.11	470.34
26 24 13 00-0231	EA		400 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	3,145.57	636.05
26 24 13 00-0232	EA		600 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	3,528.31	774.11
26 24 13 00-0233	EA		800 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	4,448.54	1,083.74
26 24 13 00-0234	EA		1,200 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	5,512.41	1,354.68
26 24 13 00-0235	EA		1,600 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	6,077.02	1,354.68
26 24 13 00-0236	EA		2,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	7,500.79	1,806.28
26 24 13 00-0237	EA		2,500 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	8,583.39	1,806.28
26 24 13 00-0238	EA		3,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	10,093.09	2,150.26
26 24 13 00-0239	EA		4,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	12,085.18	2,150.26
<b>26 24 13 00-0240</b>			<b>Main Devices</b> <small>(26 24 13)</small>		
<b>26 24 13 00-0241</b>			<b>Power Circuit Breakers</b> <small>(26 24 13 00-0240)</small>		
<b>26 24 13 00-0242</b>			<b>DSL Breaker With Current Limiters And Amptector</b> <small>(26 24 13 00-0241)</small>		
			Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.		
26 24 13 00-0243	EA		50 To 800 Amperes, DSL-206, Main Breaker With Current Limiter, Amptector Static Trip.....	7,766.98	1,137.93
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	681.31	
26 24 13 00-0244	EA		50 To 1,600 Amperes, DSL-416, Main Breaker With Current Limiter, Amptector Static Trip.....	14,175.71	1,896.55
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,136.79	
26 24 13 00-0245	EA		1,200 To 3,200 Amperes, DSL-632, Main Breaker With Current Limiter, Amptector Static Trip.....	31,945.04	3,186.20
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,894.65	
26 24 13 00-0246	EA		4,000 Amperes, DSL-840, Main Breaker With Current Limiter, Amptector Static Trip.....	51,459.14	5,158.61
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,150.41	
26 24 13 00-0247	EA		Ground-Fault Trip All Power Breakers - Factory Installed.....	2,711.03	
26 24 13 00-0248	EA		Key Interlock All Power Breakers - Factory Installed.....	350.12	
26 24 13 00-0249	EA		Short Time Delay Selective Trip - Factory Installed.....	459.33	
26 24 13 00-0250	EA		Shunt Trip Manually Open Breakers - Factory Installed .....	330.85	
<b>26 24 13 00-0251</b>			<b>DSL Breaker Electrical Operated And Amptector</b> <small>(26 24 13 00-0241)</small>		
			Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.		
26 24 13 00-0252	EA		50 To 800 Amperes, DSL-206, Main Breaker, Electrical Operated With Amptector Static Trip.....	9,102.45	1,192.12
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	718.66	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 24 13 00-0253	EA 50 To 1,600 Amperes, DSL-416, Main Breaker, Electrical Operated With Amptector Static Trip ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,912.58 1,197.06	2,004.92
26 24 13 00-0254	EA 1,200 To 3,200 Amperes, DSL-632, Main Breaker, Electrical Operated With Amptector Static Trip ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35,891.76 1,992.17	3,305.41
26 24 13 00-0255	EA 4,000 Amperes, DSL-840, Main Breaker, Electrical Operated With Amptector Static Trip ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55,424.77 3,331.17	5,418.71
<b>26 24 13 00-0256</b>	<b>DS Breakers With Amptector Static Trip, Manually Operated</b> <small>(26 24 13 00-0241)</small> Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted manually operated.		
26 24 13 00-0257	EA 50 To 800 Amperes, DS-206, Main Breaker With Groundfault, Amptector Static Trip ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,179.58 625.24	1,040.39
26 24 13 00-0258	EA 50 To 1,600 Amperes, DS-416, Main Breaker With Groundfault, Amptector Static Trip ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,309.50 1,042.06	1,744.82
26 24 13 00-0259	EA 2,000 Amperes, DS-420, Main Breaker With Groundfault, Amptector Static Trip ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,757.00 1,736.76	2,926.10
26 24 13 00-0260	EA 1,200 To 3,200 Amperes, DS-632, Main Breaker With Groundfault, Amptector Static Trip ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28,922.60 2,892.55	4,714.27
26 24 13 00-0261	EA 4,000 Amperes, DS-840, Main Breaker With Groundfault, Amptector Static Trip ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47,063.99 4,809.50	7,694.56
<b>26 24 13 00-0262</b>	<b>DS Breakers With Amptector Static Trip, Electrically Operated</b> <small>(26 24 13 00-0241)</small> Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted electrical operated.		
26 24 13 00-0263	EA 50 To 800 Amperes, DS-206, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,294.21 596.33	997.04
26 24 13 00-0264	EA 50 To 1,600 Amperes, DS-416, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,616.66 993.65	1,668.97
26 24 13 00-0265	EA 2,000 Amperes, DS-420, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,383.17 1,658.79	2,774.38
26 24 13 00-0266	EA 1,200 To 3,200 Amperes, DS-632, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31,989.43 2,764.64	4,519.20
26 24 13 00-0267	EA 4,000 Amperes, DS-840, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50,015.91 4,618.22	7,748.75
<b>26 24 13 00-0268</b>	<b>Molded Case Circuit Breakers Conventional</b> <small>(26 24 13 00-0241)</small>		
26 24 13 00-0269	EA 70 To 225 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,616.85 524.39	910.34
26 24 13 00-0270	EA 125 To 400 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,833.39 570.39	910.34
26 24 13 00-0271	EA 300 To 600 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,252.30 625.24	1,083.74
26 24 13 00-0272	EA 400 To 800 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,057.15 677.34	1,083.74
26 24 13 00-0273	EA 600 To 1,200 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,514.12 742.29	1,300.49
26 24 13 00-0274	EA 1,000 To 2,000 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,156.27 821.02	1,300.49
26 24 13 00-0275	EA Shunt Trip, Factory Installed .....	346.91	
26 24 13 00-0276	EA Groundfault Trip Complete Interrupting Circuit, Factory Installed .....	80.30	
<b>26 24 13 00-0277</b>	<b>Switchboard Branch Breaker 480 Volt</b> <small>(26 24 13 00-0240)</small>		
26 24 13 00-0278	EA 60 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	547.23 47.12	78.57
26 24 13 00-0279	EA 100 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	645.19 62.53	104.26
26 24 13 00-0280	EA 225 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,869.28 94.19	156.93
26 24 13 00-0281	EA 400 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,471.12 118.14	196.92
26 24 13 00-0282	EA 600 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,990.30 158.44	264.10
26 24 13 00-0283	EA 800 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,610.88 203.20	338.67
26 24 13 00-0284	EA 1,000 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,808.63 309.64	516.08
26 24 13 00-0285	EA 1,200 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,808.63 309.64	516.08
26 24 13 00-0286	EA 1,600 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,147.01 433.50	722.53
26 24 13 00-0287	EA 2,000 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,161.17 650.24	1,083.74
<b>26 24 13 00-0288</b>	<b>Switchboard 277/480 Volt Main Breaker</b> <small>(26 24 13 00-0240)</small>		
26 24 13 00-0289	EA 400 Amperes, 277/480 Volt, Main Breaker, Switchboard ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,600.12 282.23	470.34
26 24 13 00-0290	EA 600 Amperes, 277/480 Volt, Main Breaker, Switchboard ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,689.55 309.05	515.10
26 24 13 00-0291	EA 800 Amperes, 277/480 Volt, Main Breaker, Switchboard ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,207.57 464.46	774.11
26 24 13 00-0292	EA 1,200 Amperes, 277/480 Volt, Main Breaker, Switchboard ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,334.36 650.24	1,083.74

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 24	13 00-0293	EA		1,600 Amperes, 277/480 Volt, Main Breaker, Switchboard ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,564.54 719.30	1,198.83
26 24	13 00-0294	EA		2,000 Amperes, 277/480 Volt, Main Breaker, Switchboard ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,572.73 1,290.17	2,150.26
<b>26 24 13 00-0295 Branch Or Distribution Devices (26 24 13)</b>						
<b>26 24 13 00-0296 3 Pole, Panel Mounted, Molded Case Circuit Breakers (26 24 13 00-0295)</b>						
Note: Includes certified refurbished circuit breakers.						
26 24	13 00-0297	EA		15 To 60 Amperes, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	529.53 26.01	39.02
26 24	13 00-0298	EA		70 To 100 Amperes, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	535.72 32.51	48.77
26 24	13 00-0299	EA		125 To 150 Amperes, 600 Volt, Type FB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,283.29 39.02	58.52
26 24	13 00-0300	EA		70 To 225 Amperes, 600 Volt, Type JDB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,859.96 50.39	75.86
26 24	13 00-0301	EA		125 To 400 Amperes, 600 Volt, Type LBB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,621.02 62.42	93.63
26 24	13 00-0302	EA		300 To 600 Amperes, 600 Volt, Type LC, 3 Pole, Panel Mounted, Molded Case Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,431.62 73.15	109.46
26 24	13 00-0303	EA		900 To 1,000 Amperes, 600 Volt, Type NB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,234.19 82.58	123.55
<b>26 24 13 00-0304 2 Pole, Panel Mounted, Molded Case Circuit Breakers (26 24 13 00-0295)</b>						
Note: Includes certified refurbished circuit breakers.						
26 24	13 00-0305	EA		15 To 60 Amperes, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	365.10 19.51	29.26
26 24	13 00-0306	EA		70 To 100 Amperes, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	469.23 26.01	39.02
26 24	13 00-0307	EA		125 To 150 Amperes, 600 Volt, Type FB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,277.80 32.51	48.77
26 24	13 00-0308	EA		70 To 225 Amperes, 600 Volt, Type JDB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,022.20 35.76	54.18
26 24	13 00-0309	EA		125 To 400 Amperes, 600 Volt, Type LBB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,138.32 47.14	70.44
26 24	13 00-0310	EA		900 To 1,000 Amperes, 600 Volt, Type NB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,840.51 68.27	102.41
<b>26 24 13 00-0311 Meter Devices And Instrumentation (26 24 13)</b>						
Note: Factory installed accessories.						
<b>26 24 13 00-0312 Compartments For Instrument Transformers And Metering Devices (26 24 13 00-0311)</b>						
26 24	13 00-0313	EA		Compartment For, Up To 800 Amperes, Primary Current Transformer .....	419.18	
26 24	13 00-0314	EA		Compartment For, 1,000 To 1,500 Amperes, Primary Current Transformer .....	605.49	
26 24	13 00-0315	EA		Compartment For, 2,000 To 6,000 Amperes, Primary Current Transformer .....	713.09	
<b>26 24 13 00-0316 Instruments (26 24 13 00-0311)</b>						
26 24	13 00-0317	EA		AC Voltmeter .....	571.76	
26 24	13 00-0318	EA		AC Ammeter .....	571.76	
26 24	13 00-0319	EA		AC Wattmeter .....	1,527.36	
26 24	13 00-0320	EA		Variometer .....	1,724.91	
26 24	13 00-0321	EA		Power Factor Meter .....	1,378.00	
26 24	13 00-0322	EA		Frequency Meter .....	1,520.94	
26 24	13 00-0323	EA		200 Volt-Amperes Max Potential Transformer .....	513.94	
26 24	13 00-0324	EA		AC Watt-hour Meter Indicating 1 Or 2 Element With Test Block And Plug Block .....	1,935.30	
26 24	13 00-0325	EA		AC Watt-hour Meter Recording 2 Element With Recording KW Demand Type R-2 .....	3,237.82	
26 24	13 00-0326	EA		Weatherproof, Modify Meter .....	3,101.75	
26 24	13 00-0327	EA		Control Switch Resistor Type 130 V .....	72.22	
26 24	13 00-0328	EA		Metering Instrument: Voltage, Amperes And Watt Hour .....	3,905.63	
<b>26 24 16 Panelboards (26 24)</b>						
<b>26 24 16 00-0001 Branch Circuit Panelboard (26 24 16)</b>						
Note: Includes wiring connections, drilling hole (or removing knock-out on residential units), labeling and testing. All NEMA 3R panelboards include weatherproof hubs. Copper bussing. Panelboards with less than a 30 circuit capacity do not have the door in a door trim front option.						
<b>26 24 16 00-0002 Assembled Lighting And Power Panelboards (26 24 16 00-0001)</b>						
Note: Includes main lugs or breaker (as indicated). 20 Amp, 1 pole branch circuit plug-on breakers (the number of which is indicated). Panelboard box, trim and connection of main service cable from meter.						
<b>26 24 16 00-0003 120/240 Volt, 3 Wire, 1 Phase, Main Lugs Assembled Panelboards (26 24 16 00-0002)</b>						
26 24	16 00-0004	EA		100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i>	1,173.22 1,239.46	308.86
26 24	16 00-0005	EA		100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i>	1,333.48 1,239.46	308.86
26 24	16 00-0006	EA		100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i>	1,514.15 1,239.46	428.08

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 24 16 00-0007	EA 100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i>	1,697.25 1,239.46	428.08
26 24 16 00-0008	EA 100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i>	1,869.36 1,239.46	536.46
26 24 16 00-0009	EA 100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	2,045.95 1,239.46	536.46
26 24 16 00-0010	EA 100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i>	2,216.65 1,239.46	617.74
26 24 16 00-0011	EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	2,662.02 1,363.06 99.60	791.14
26 24 16 00-0012	EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	2,801.62 1,363.06 99.60	791.14
26 24 16 00-0013	EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	2,939.15 1,363.06 99.60	904.93
26 24 16 00-0014	EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,161.11 1,610.11 170.11	904.93
26 24 16 00-0015	EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,298.06 1,610.11 170.11	1,018.72
26 24 16 00-0016	EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,501.23 1,610.11 170.11	1,018.72
26 24 16 00-0017	EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,625.15 1,610.11 170.11	1,127.09
26 24 16 00-0018	EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,829.81 1,610.11 170.11	1,127.09
26 24 16 00-0019	EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,017.41 1,610.11 170.11	1,246.30
26 24 16 00-0020	EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,147.65 1,675.79 217.41	1,246.30
26 24 16 00-0021	EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,336.20 1,675.79 217.41	1,246.30
26 24 16 00-0022	120/240 Volt, 3 Wire, 1 Phase, Main Breaker Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0023	EA 50 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	1,392.20 1,239.46	298.03
26 24 16 00-0024	EA 50 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	1,554.80 1,239.46	298.03
26 24 16 00-0025	EA 100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i>	1,928.56 1,239.46	509.36
26 24 16 00-0026	EA 100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i>	2,187.32 1,239.46	509.36
26 24 16 00-0027	EA 100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	2,362.94 1,239.46	623.15
26 24 16 00-0028	EA 100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	2,545.92 1,239.46	623.15
26 24 16 00-0029	EA 100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i>	2,708.65 1,239.46	747.78
26 24 16 00-0030	EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,277.71 1,363.06 99.60	747.78
26 24 16 00-0031	EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,422.56 1,363.06 99.60	915.76



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0032	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers.....	3,579.70	915.76
			<i>For NEMA 3R Panelboard, Add</i>	1,363.06	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	99.60	
26 24 16 00-0033	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	3,751.60	1,029.56
			<i>For NEMA 3R Panelboard, Add</i>	1,610.11	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	170.11	
26 24 16 00-0034	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	3,891.41	1,029.56
			<i>For NEMA 3R Panelboard, Add</i>	1,610.11	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	170.11	
26 24 16 00-0035	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	4,040.33	1,127.09
			<i>For NEMA 3R Panelboard, Add</i>	1,610.11	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	170.11	
26 24 16 00-0036	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	4,199.75	1,127.09
			<i>For NEMA 3R Panelboard, Add</i>	1,610.11	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	170.11	
26 24 16 00-0037	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	4,371.38	1,333.01
			<i>For NEMA 3R Panelboard, Add</i>	1,610.11	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	170.11	
26 24 16 00-0038	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	4,557.34	1,333.01
			<i>For NEMA 3R Panelboard, Add</i>	1,610.11	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	170.11	
26 24 16 00-0039	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	4,760.18	1,333.01
			<i>For NEMA 3R Panelboard, Add</i>	1,675.79	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	217.41	
26 24 16 00-0040	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	4,886.28	1,408.86
			<i>For NEMA 3R Panelboard, Add</i>	1,675.79	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	217.41	
<b>26 24 16 00-0041</b>			<b>120/208 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards</b> <small>(26 24 16 00-0002)</small>		
26 24 16 00-0042	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	1,416.78	352.22
			<i>For NEMA 3R Panelboard, Add</i>	1,239.46	
26 24 16 00-0043	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers.....	1,589.90	352.22
			<i>For NEMA 3R Panelboard, Add</i>	1,239.46	
26 24 16 00-0044	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers.....	1,786.46	471.43
			<i>For NEMA 3R Panelboard, Add</i>	1,239.46	
26 24 16 00-0045	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers.....	1,993.04	471.43
			<i>For NEMA 3R Panelboard, Add</i>	1,239.46	
26 24 16 00-0046	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	2,178.18	579.80
			<i>For NEMA 3R Panelboard, Add</i>	1,239.46	
26 24 16 00-0047	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	2,375.92	579.80
			<i>For NEMA 3R Panelboard, Add</i>	1,239.46	
26 24 16 00-0048	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers.....	2,562.27	688.17
			<i>For NEMA 3R Panelboard, Add</i>	1,239.46	
26 24 16 00-0049	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers.....	2,754.73	688.17
			<i>For NEMA 3R Panelboard, Add</i>	1,363.06	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	99.60	
26 24 16 00-0050	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	2,933.86	807.39
			<i>For NEMA 3R Panelboard, Add</i>	1,363.06	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	99.60	
26 24 16 00-0051	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers.....	3,140.16	807.39
			<i>For NEMA 3R Panelboard, Add</i>	1,363.06	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	99.60	
26 24 16 00-0052	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	3,350.18	932.01
			<i>For NEMA 3R Panelboard, Add</i>	1,363.06	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	99.60	
26 24 16 00-0053	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	3,556.43	932.01
			<i>For NEMA 3R Panelboard, Add</i>	1,363.06	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	99.60	
26 24 16 00-0054	EA		225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	3,967.93	1,127.09
			<i>For NEMA 3R Panelboard, Add</i>	1,610.11	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	170.11	
26 24 16 00-0055	EA		225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	4,107.92	1,127.09
			<i>For NEMA 3R Panelboard, Add</i>	1,610.11	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	170.11	

**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 24 Switchboards and Panelboards**



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 24 16 00-0056	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	4,348.64		1,251.72
		<i>For NEMA 3R Panelboard, Add</i>	1,610.11		
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	170.11		
26 24 16 00-0057	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	4,566.80		1,251.72
		<i>For NEMA 3R Panelboard, Add</i>	1,610.11		
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	170.11		
26 24 16 00-0058	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	4,721.37		1,365.52
		<i>For NEMA 3R Panelboard, Add</i>	1,675.79		
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	217.41		
26 24 16 00-0059	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	4,939.01		1,365.52
		<i>For NEMA 3R Panelboard, Add</i>	1,675.79		
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	217.41		
26 24 16 00-0060	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	4,806.08		1,211.63
		<i>For NEMA 3R Panelboard, Add</i>	1,610.11		
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	170.11		
26 24 16 00-0061	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	4,960.59		1,273.40
		<i>For NEMA 3R Panelboard, Add</i>	1,610.11		
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	170.11		
26 24 16 00-0062	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	5,212.10		1,341.13
		<i>For NEMA 3R Panelboard, Add</i>	1,610.11		
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	170.11		
26 24 16 00-0063	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	5,446.60		1,419.70
		<i>For NEMA 3R Panelboard, Add</i>	1,610.11		
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	170.11		
26 24 16 00-0064	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	5,610.67		1,463.05
		<i>For NEMA 3R Panelboard, Add</i>	1,675.79		
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	217.41		
26 24 16 00-0065	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	5,874.59		1,552.46
		<i>For NEMA 3R Panelboard, Add</i>	1,675.79		
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	217.41		
<b>26 24 16 00-0066</b>		<b>120/208 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards</b> <small>(26 24 16 00-0062)</small>			
26 24 16 00-0067	EA	50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	1,687.37		341.37
		<i>For NEMA 3R Panelboard, Add</i>	1,239.46		
26 24 16 00-0068	EA	50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers.....	1,862.70		341.37
		<i>For NEMA 3R Panelboard, Add</i>	1,239.46		
26 24 16 00-0069	EA	50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers.....	2,071.41		449.75
		<i>For NEMA 3R Panelboard, Add</i>	1,239.46		
26 24 16 00-0070	EA	50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers.....	2,362.11		449.75
		<i>For NEMA 3R Panelboard, Add</i>	1,239.46		
26 24 16 00-0071	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	2,788.88		677.33
		<i>For NEMA 3R Panelboard, Add</i>	1,239.46		
26 24 16 00-0072	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	2,969.81		677.33
		<i>For NEMA 3R Panelboard, Add</i>	1,239.46		
26 24 16 00-0073	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers.....	3,165.60		791.14
		<i>For NEMA 3R Panelboard, Add</i>	1,239.46		
26 24 16 00-0074	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers.....	3,328.56		791.14
		<i>For NEMA 3R Panelboard, Add</i>	1,363.06		
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	99.60		
26 24 16 00-0075	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	3,548.31		915.76
		<i>For NEMA 3R Panelboard, Add</i>	1,363.06		
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	99.60		
26 24 16 00-0076	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers.....	3,698.32		915.76
		<i>For NEMA 3R Panelboard, Add</i>	1,363.06		
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	99.60		
26 24 16 00-0077	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	3,941.77		1,029.56
		<i>For NEMA 3R Panelboard, Add</i>	1,363.06		
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	99.60		
26 24 16 00-0078	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	4,150.66		1,029.56
		<i>For NEMA 3R Panelboard, Add</i>	1,363.06		
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	99.60		
26 24 16 00-0079	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	4,879.79		1,192.12
		<i>For NEMA 3R Panelboard, Add</i>	1,610.11		
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	170.11		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0080	EA		225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	5,095.47	1,257.14
			For NEMA 3R Panelboard, Add	1,610.11	
			For Door-In-Door (Hinged) Trim Front, Add	170.11	
26 24 16 00-0081	EA		225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	5,187.06	1,257.14
			For NEMA 3R Panelboard, Add	1,610.11	
			For Door-In-Door (Hinged) Trim Front, Add	170.11	
26 24 16 00-0082	EA		225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	5,429.07	1,419.70
			For NEMA 3R Panelboard, Add	1,610.11	
			For Door-In-Door (Hinged) Trim Front, Add	170.11	
26 24 16 00-0083	EA		225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	5,598.23	1,419.70
			For NEMA 3R Panelboard, Add	1,675.79	
			For Door-In-Door (Hinged) Trim Front, Add	217.41	
26 24 16 00-0084	EA		225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	5,709.19	1,419.70
			For NEMA 3R Panelboard, Add	1,675.79	
			For Door-In-Door (Hinged) Trim Front, Add	217.41	
26 24 16 00-0085	EA		400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	5,742.60	1,305.91
			For NEMA 3R Panelboard, Add	1,610.11	
			For Door-In-Door (Hinged) Trim Front, Add	170.11	
26 24 16 00-0086	EA		400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	5,978.29	1,381.77
			For NEMA 3R Panelboard, Add	1,610.11	
			For Door-In-Door (Hinged) Trim Front, Add	170.11	
26 24 16 00-0087	EA		400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	6,072.95	1,419.70
			For NEMA 3R Panelboard, Add	1,610.11	
			For Door-In-Door (Hinged) Trim Front, Add	170.11	
26 24 16 00-0088	EA		400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	6,334.08	1,506.40
			For NEMA 3R Panelboard, Add	1,610.11	
			For Door-In-Door (Hinged) Trim Front, Add	170.11	
26 24 16 00-0089	EA		400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	6,502.24	1,549.75
			For NEMA 3R Panelboard, Add	1,675.79	
			For Door-In-Door (Hinged) Trim Front, Add	217.41	
26 24 16 00-0090	EA		400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	6,660.75	1,603.94
			For NEMA 3R Panelboard, Add	1,675.79	
			For Door-In-Door (Hinged) Trim Front, Add	217.41	
<b>26 24 16 00-0091</b>			<b>480 Volt, 3 Wire, 3 Phase, Main Lugs Assembled Panelboards</b> <small>(26 24 16 00-0002)</small>		
26 24 16 00-0092	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	1,599.73	346.80
			For NEMA 3R Panelboard, Add	1,239.46	
26 24 16 00-0093	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers.....	1,828.65	346.80
			For NEMA 3R Panelboard, Add	1,239.46	
26 24 16 00-0094	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers.....	2,048.28	476.85
			For NEMA 3R Panelboard, Add	1,239.46	
26 24 16 00-0095	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers.....	2,277.18	476.85
			For NEMA 3R Panelboard, Add	1,239.46	
26 24 16 00-0096	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	2,490.91	596.05
			For NEMA 3R Panelboard, Add	1,239.46	
26 24 16 00-0097	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	2,715.91	596.05
			For NEMA 3R Panelboard, Add	1,239.46	
26 24 16 00-0098	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers.....	2,950.55	720.69
			For NEMA 3R Panelboard, Add	1,239.46	
26 24 16 00-0099	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers.....	3,165.91	720.69
			For NEMA 3R Panelboard, Add	1,363.06	
			For Door-In-Door (Hinged) Trim Front, Add	99.60	
26 24 16 00-0100	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	3,402.31	856.16
			For NEMA 3R Panelboard, Add	1,363.06	
			For Door-In-Door (Hinged) Trim Front, Add	99.60	
26 24 16 00-0101	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers.....	3,630.67	856.16
			For NEMA 3R Panelboard, Add	1,363.06	
			For Door-In-Door (Hinged) Trim Front, Add	99.60	
26 24 16 00-0102	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	3,840.91	975.37
			For NEMA 3R Panelboard, Add	1,363.06	
			For Door-In-Door (Hinged) Trim Front, Add	99.60	
26 24 16 00-0103	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	4,065.92	975.37
			For NEMA 3R Panelboard, Add	1,363.06	
			For Door-In-Door (Hinged) Trim Front, Add	99.60	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 24 16 00-0104	EA 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,545.54 1,610.11 170.11	1,186.69
26 24 16 00-0105	EA 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,770.27 1,610.11 170.11	1,186.69
26 24 16 00-0106	EA 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,009.33 1,610.11 170.11	1,300.49
26 24 16 00-0107	EA 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,184.79 1,610.11 170.11	1,300.49
26 24 16 00-0108	EA 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,450.38 1,675.79 217.41	1,435.96
26 24 16 00-0109	EA 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,640.98 1,675.79 217.41	1,435.96
<b>26 24 16 00-0110</b>	<b>480 Volt, 3 Wire, 3 Phase, Main Breaker Assembled Panelboards</b> <small>(26 24 16 00-0002)</small>		
26 24 16 00-0111	EA 50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	2,035.93 1,239.46	368.47
26 24 16 00-0112	EA 50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	2,259.72 1,239.46	400.98
26 24 16 00-0113	EA 50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	2,485.93 1,239.46	498.52
26 24 16 00-0114	EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	2,987.29 1,239.46	606.89
26 24 16 00-0115	EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	3,203.13 1,239.46	671.92
26 24 16 00-0116	EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	3,399.93 1,239.46	726.11
26 24 16 00-0117	EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	3,616.76 1,239.46	791.14
26 24 16 00-0118	EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,825.43 1,363.06 99.60	856.16
26 24 16 00-0119	EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,016.41 1,363.06 99.60	910.34
26 24 16 00-0120	EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,221.24 1,363.06 99.60	964.53
26 24 16 00-0121	EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,442.85 1,363.06 99.60	1,029.56
26 24 16 00-0122	EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,684.99 1,363.06 99.60	1,110.84
26 24 16 00-0123	EA 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,898.19 1,610.11 170.11	1,235.46
26 24 16 00-0124	EA 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,130.40 1,610.11 170.11	1,311.32
26 24 16 00-0125	EA 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,295.70 1,610.11 170.11	1,343.84
26 24 16 00-0126	EA 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,556.71 1,610.11 170.11	1,430.54
26 24 16 00-0127	EA 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,738.45 1,675.79 217.41	1,484.72

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0128 EA 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,926.90 1,675.79 217.41	1,531.33
<b>26 24 16 00-0129 277/480 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards</b> <small>(26 24 16 00-0002)</small>		
26 24 16 00-0130 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	1,947.56 1,239.46	379.31
26 24 16 00-0131 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i>	2,203.32 1,239.46	379.31
26 24 16 00-0132 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i>	2,452.48 1,239.46	503.94
26 24 16 00-0133 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i>	2,703.66 1,239.46	503.94
26 24 16 00-0134 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	2,958.93 1,239.46	623.15
26 24 16 00-0135 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	3,208.92 1,239.46	623.15
26 24 16 00-0136 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i>	3,463.01 1,239.46	747.78
26 24 16 00-0137 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,716.03 1,363.06 99.60	747.78
26 24 16 00-0138 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,992.35 1,363.06 99.60	877.83
26 24 16 00-0139 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,224.05 1,363.06 99.60	877.83
26 24 16 00-0140 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,468.77 1,363.06 99.60	883.25
26 24 16 00-0141 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 32 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,729.23 1,363.06 99.60	883.25
26 24 16 00-0142 EA 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,386.93 1,610.11 170.11	1,224.63
26 24 16 00-0143 EA 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,653.38 1,610.11 170.11	1,224.63
26 24 16 00-0144 EA 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,859.49 1,610.11 170.11	1,289.65
26 24 16 00-0145 EA 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,150.28 1,610.11 170.11	1,376.35
26 24 16 00-0146 EA 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,370.22 1,675.79 217.41	1,376.35
26 24 16 00-0147 EA 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,692.78 1,675.79 217.41	1,506.40
<b>26 24 16 00-0148 277/480 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards</b> <small>(26 24 16 00-0002)</small>		
26 24 16 00-0149 EA 50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i>	2,528.45 1,239.46	466.01
26 24 16 00-0150 EA 50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i>	2,790.21 1,239.46	466.01
26 24 16 00-0151 EA 50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i>	3,042.17 1,239.46	617.74
26 24 16 00-0152 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i>	3,623.11 1,239.46	617.74

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0153	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	3,865.73	780.29
			<i>For NEMA 3R Panelboard, Add</i>	1,239.46	
26 24 16 00-0154	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	4,107.95	780.29
			<i>For NEMA 3R Panelboard, Add</i>	1,239.46	
26 24 16 00-0155	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers.....	4,342.01	894.09
			<i>For NEMA 3R Panelboard, Add</i>	1,239.46	
26 24 16 00-0156	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers.....	4,558.38	894.09
			<i>For NEMA 3R Panelboard, Add</i>	1,363.06	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	99.60	
26 24 16 00-0157	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	4,788.61	1,018.72
			<i>For NEMA 3R Panelboard, Add</i>	1,363.06	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	99.60	
26 24 16 00-0158	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers.....	5,035.59	1,018.72
			<i>For NEMA 3R Panelboard, Add</i>	1,363.06	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	99.60	
26 24 16 00-0159	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	5,248.08	1,127.09
			<i>For NEMA 3R Panelboard, Add</i>	1,363.06	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	99.60	
26 24 16 00-0160	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	5,471.06	1,127.09
			<i>For NEMA 3R Panelboard, Add</i>	1,363.06	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	99.60	
26 24 16 00-0161	EA		225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	7,156.20	1,333.01
			<i>For NEMA 3R Panelboard, Add</i>	1,610.11	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	170.11	
26 24 16 00-0162	EA		225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	7,426.83	1,333.01
			<i>For NEMA 3R Panelboard, Add</i>	1,610.11	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	170.11	
26 24 16 00-0163	EA		225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	7,626.62	1,457.63
			<i>For NEMA 3R Panelboard, Add</i>	1,610.11	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	170.11	
26 24 16 00-0164	EA		225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	7,929.02	1,457.63
			<i>For NEMA 3R Panelboard, Add</i>	1,610.11	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	170.11	
26 24 16 00-0165	EA		225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	8,147.09	1,593.10
			<i>For NEMA 3R Panelboard, Add</i>	1,675.79	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	217.41	
26 24 16 00-0166	EA		225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	8,372.56	1,593.10
			<i>For NEMA 3R Panelboard, Add</i>	1,675.79	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	217.41	
26 24 16 00-0167	EA		400 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	9,940.07	1,774.09
			<i>For NEMA 3R Panelboard, Add</i>	1,675.79	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	217.41	
26 24 16 00-0168	EA		600 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >400 To 600 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	12,100.44	2,129.55
			<i>For NEMA 3R Panelboard, Add</i>	1,675.79	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	217.41	
26 24 16 00-0169			<b>Unassembled Lighting And Power Panelboards</b> <small>(26 24 16 00-0001)</small> Note: Includes the main device (lugs or breaker), connection of main service cable from meter and that portion of the panel box, trim and interior occupied by that device. Spaces include that portion of the panel box, trim and interior reserved by that space. The maximum single pole capacity of the panelboard main device (lugs, breakers) is indicated. Excludes branch breakers. A complete panelboard will be the sum of main device and the branch circuit breakers and spaces (within the capacity of the main device). See CSI section 26 28 16 13-0001 for circuit breakers.		
26 24 16 00-0170			<b>240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards</b> <small>(26 24 16 00-0169)</small> Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers.		
26 24 16 00-0171			<b>Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards</b> <small>(26 24 16 00-0170)</small>		
26 24 16 00-0172	EA		100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	622.78	
26 24 16 00-0173	EA		100 Ampere Rating, 20 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	716.28	
26 24 16 00-0174	EA		225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	974.04	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	99.60	
26 24 16 00-0175	EA		225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,123.99	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	170.11	
26 24 16 00-0176	EA		225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,271.66	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	217.41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 24 16 00-0177	EA		400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,421.60	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	99.60	
26 24 16 00-0178	EA		400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,543.17	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	170.11	
26 24 16 00-0179	EA		400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,689.60	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	217.41	
26 24 16 00-0180	EA		600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,832.91	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	99.60	
26 24 16 00-0181	EA		600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,953.85	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	170.11	
26 24 16 00-0182	EA		600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,133.34	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	217.41	

**26 24 16 00-0183 Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards** (26 24 16 00-0170)

26 24 16 00-0184	EA		100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	926.10	
26 24 16 00-0185	EA		100 Ampere Rating, 20 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,048.81	
26 24 16 00-0186	EA		225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,679.43	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	99.60	
26 24 16 00-0187	EA		225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,864.16	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	170.11	
26 24 16 00-0188	EA		225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,037.51	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	217.41	
26 24 16 00-0189	EA		400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	3,544.58	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	99.60	
26 24 16 00-0190	EA		400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	3,750.70	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	170.11	
26 24 16 00-0191	EA		400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	3,937.24	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	217.41	

**26 24 16 00-0192 Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards** (26 24 16 00-0170)

26 24 16 00-0193	EA		100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,263.19	
26 24 16 00-0194	EA		100 Ampere Rating, 20 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,349.37	
26 24 16 00-0195	EA		225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,591.88	
26 24 16 00-0196	EA		225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,738.78	
26 24 16 00-0197	EA		225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,874.86	
26 24 16 00-0198	EA		400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,143.13	
26 24 16 00-0199	EA		400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,256.77	
26 24 16 00-0200	EA		400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,395.87	
26 24 16 00-0201	EA		600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,595.30	
26 24 16 00-0202	EA		600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,711.81	
26 24 16 00-0203	EA		600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,879.95	

**26 24 16 00-0204 Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards** (26 24 16 00-0170)

26 24 16 00-0205	EA		100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,559.18	
26 24 16 00-0206	EA		100 Ampere Rating, 20 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,673.97	
26 24 16 00-0207	EA		225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,415.60	
26 24 16 00-0208	EA		225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,585.68	
26 24 16 00-0209	EA		225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,748.06	
26 24 16 00-0210	EA		400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	4,239.87	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 24 16 00-0211	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....		4,438.68	
26 24 16 00-0212	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....		4,623.39	
<b>26 24 16 00-0213</b>		<b>240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards</b> <small>(26 24 16 00-0169)</small>			
		Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers			
<b>26 24 16 00-0214</b>		<b>Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards</b> <small>(26 24 16 00-0213)</small>			
26 24 16 00-0215	EA	100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....		701.69	
26 24 16 00-0216	EA	100 Ampere Rating, 24 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....		824.99	
26 24 16 00-0217	EA	100 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....		928.18	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>		99.60	
26 24 16 00-0218	EA	225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....		1,049.86	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>		99.60	
26 24 16 00-0219	EA	225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....		1,208.27	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>		170.11	
26 24 16 00-0220	EA	225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....		1,337.82	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>		217.41	
26 24 16 00-0221	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....		1,542.44	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>		99.60	
26 24 16 00-0222	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....		1,661.80	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>		170.11	
26 24 16 00-0223	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....		1,793.43	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>		217.41	
26 24 16 00-0224	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....		1,967.15	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>		99.60	
26 24 16 00-0225	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....		2,171.73	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>		170.11	
26 24 16 00-0226	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....		2,570.93	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>		217.41	
<b>26 24 16 00-0227</b>		<b>Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards</b> <small>(26 24 16 00-0213)</small>			
26 24 16 00-0228	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....		1,086.15	
26 24 16 00-0229	EA	100 Ampere Rating, 24 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....		1,224.85	
26 24 16 00-0230	EA	100 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....		1,402.80	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>		99.60	
26 24 16 00-0231	EA	225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....		2,081.04	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>		99.60	
26 24 16 00-0232	EA	225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....		2,253.16	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>		170.11	
26 24 16 00-0233	EA	225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....		2,412.98	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>		217.41	
26 24 16 00-0234	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....		3,342.58	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>		99.60	
26 24 16 00-0235	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....		3,533.92	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>		170.11	
26 24 16 00-0236	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....		3,692.81	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>		217.41	
<b>26 24 16 00-0237</b>		<b>Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards</b> <small>(26 24 16 00-0213)</small>			
26 24 16 00-0238	EA	100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....		1,342.10	
26 24 16 00-0239	EA	100 Ampere Rating, 24 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....		1,458.08	
26 24 16 00-0240	EA	100 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....		1,553.34	
26 24 16 00-0241	EA	225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....		1,667.70	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
					UNIT COST	UNIT COST

26 24 16 00-0242	EA	225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,823.06
26 24 16 00-0243	EA	225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,941.02
26 24 16 00-0244	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,263.96
26 24 16 00-0245	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,375.39
26 24 16 00-0246	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,499.70
26 24 16 00-0247	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,729.54
26 24 16 00-0248	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,920.09
26 24 16 00-0249	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,319.29

**26 24 16 00-0250 Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards** (26 24 16 00-0213)

26 24 16 00-0251	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,719.24
26 24 16 00-0252	EA	100 Ampere Rating, 24 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,850.01
26 24 16 00-0253	EA	100 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,023.69
26 24 16 00-0254	EA	225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,817.21
26 24 16 00-0255	EA	225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,974.68
26 24 16 00-0256	EA	225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,123.53
26 24 16 00-0257	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	4,677.31
26 24 16 00-0258	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	4,875.00
26 24 16 00-0259	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	5,044.62

**26 24 16 00-0260 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards** (26 24 16 00-0169)  
 Note: As manufactured by Square D or equal.

**26 24 16 00-0261 Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards** (26 24 16 00-0260)

26 24 16 00-0262	EA	125 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,007.90
26 24 16 00-0263	EA	125 Ampere Rating, 18 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,105.60
26 24 16 00-0264	EA	250 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,525.56
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>99.60</i>
26 24 16 00-0265	EA	250 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,700.52
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>170.11</i>
26 24 16 00-0266	EA	250 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,851.78
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>217.41</i>
26 24 16 00-0267	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,845.40
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>99.60</i>
26 24 16 00-0268	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,944.19
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>170.11</i>
26 24 16 00-0269	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,111.74
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>217.41</i>
26 24 16 00-0270	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,225.57
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>99.60</i>
26 24 16 00-0271	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,385.50
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>170.11</i>
26 24 16 00-0272	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,604.59
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>217.41</i>

**26 24 16 00-0273 Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards** (26 24 16 00-0260)

26 24 16 00-0274	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,068.96
26 24 16 00-0275	EA	100 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,134.31
26 24 16 00-0276	EA	125 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,316.89

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 24 16 00-0277	EA 125 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,440.76	
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	99.60	
26 24 16 00-0278	EA 125 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,686.11	
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	170.11	
26 24 16 00-0279	EA 250 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	3,491.48	
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	99.60	
26 24 16 00-0280	EA 250 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	3,644.74	
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	170.11	
26 24 16 00-0281	EA 250 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	3,842.02	
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	217.41	
26 24 16 00-0282	EA 400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	3,962.80	
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	99.60	
26 24 16 00-0283	EA 400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	4,167.80	
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	170.11	
26 24 16 00-0284	EA 400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	4,354.01	
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	217.41	
<b>26 24 16 00-0285</b>	<b>Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0280)</small>		
26 24 16 00-0286	EA 125 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,626.35	
26 24 16 00-0287	EA 125 Ampere Rating, 18 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,724.05	
26 24 16 00-0288	EA 250 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,129.38	
26 24 16 00-0289	EA 250 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,410.45	
26 24 16 00-0290	EA 250 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,549.52	
26 24 16 00-0291	EA 400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,543.14	
26 24 16 00-0292	EA 400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,623.63	
26 24 16 00-0293	EA 400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,764.95	
26 24 16 00-0294	EA 600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,939.77	
26 24 16 00-0295	EA 600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	3,084.76	
26 24 16 00-0296	EA 600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	3,271.72	
<b>26 24 16 00-0297</b>	<b>Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0280)</small>		
26 24 16 00-0298	EA 100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,819.15	
26 24 16 00-0299	EA 100 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,884.50	
26 24 16 00-0300	EA 125 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,926.19	
26 24 16 00-0301	EA 125 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	3,044.57	
26 24 16 00-0302	EA 125 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	3,396.05	
26 24 16 00-0303	EA 250 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	4,189.22	
26 24 16 00-0304	EA 250 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	4,324.18	
26 24 16 00-0305	EA 250 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	4,495.23	
26 24 16 00-0306	EA 400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	4,616.01	
26 24 16 00-0307	EA 400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	4,804.25	
26 24 16 00-0308	EA 400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	4,987.90	
<b>26 24 16 00-0309</b>	<b>480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0169)</small>		
	Note: As manufactured by Square D or equal.		
<b>26 24 16 00-0310</b>	<b>Main Lugs, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0309)</small>		
26 24 16 00-0311	EA 125 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard .....	1,049.37	
26 24 16 00-0312	EA 125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard .....	1,147.68	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 24 16 00-0313	EA			125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard .....	1,327.67	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	99.60	
26 24 16 00-0314	EA			250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard .....	1,586.59	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	99.60	
26 24 16 00-0315	EA			250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard .....	1,762.88	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	170.11	
26 24 16 00-0316	EA			250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard .....	1,912.96	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	217.41	
26 24 16 00-0317	EA			400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard .....	1,926.07	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	99.60	
26 24 16 00-0318	EA			400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard .....	2,044.21	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	170.11	
26 24 16 00-0319	EA			400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard .....	2,210.51	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	217.41	
26 24 16 00-0320	EA			600 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard .....	2,324.55	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	99.60	
26 24 16 00-0321	EA			600 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard .....	2,485.22	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	170.11	
26 24 16 00-0322	EA			600 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard .....	2,705.11	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	217.41	
<b>26 24 16 00-0323</b>				<b>Main Breaker, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0309)</small>		
26 24 16 00-0324	EA			100 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard .....	2,282.43	
26 24 16 00-0325	EA			100 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard .....	2,348.39	
26 24 16 00-0326	EA			100 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard .....	2,544.45	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	99.60	
26 24 16 00-0327	EA			125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard .....	2,610.32	
26 24 16 00-0328	EA			125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard .....	2,734.70	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	99.60	
26 24 16 00-0329	EA			125 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard .....	2,979.42	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	170.11	
26 24 16 00-0330	EA			250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard .....	3,835.69	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	99.60	
26 24 16 00-0331	EA			250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard .....	3,990.79	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	170.11	
26 24 16 00-0332	EA			250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard .....	4,186.00	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	217.41	
26 24 16 00-0333	EA			400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard .....	4,375.26	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	99.60	
26 24 16 00-0334	EA			400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard .....	4,582.24	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	170.11	
26 24 16 00-0335	EA			400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard .....	4,768.33	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	217.41	
<b>26 24 16 00-0336</b>				<b>Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0309)</small>		
26 24 16 00-0337	EA			125 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard .....	1,667.82	
26 24 16 00-0338	EA			125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard .....	1,766.13	
26 24 16 00-0339	EA			125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard .....	1,936.97	
26 24 16 00-0340	EA			250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard .....	2,190.40	
26 24 16 00-0341	EA			250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard .....	2,472.81	
26 24 16 00-0342	EA			250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard .....	2,610.70	
26 24 16 00-0343	EA			400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard .....	2,625.64	
26 24 16 00-0344	EA			400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard .....	2,723.65	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 24 16 00-0345	EA	400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard .....		2,863.72	
26 24 16 00-0346	EA	600 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard .....		3,038.76	
26 24 16 00-0347	EA	600 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard .....		3,184.18	
26 24 16 00-0348	EA	600 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard .....		3,371.14	
<b>26 24 16 00-0349</b>		<b>Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0309)</small>			
26 24 16 00-0350	EA	100 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard .....		2,886.24	
26 24 16 00-0351	EA	100 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard .....		2,952.20	
26 24 16 00-0352	EA	100 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard .....		3,254.38	
26 24 16 00-0353	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard .....		3,219.62	
26 24 16 00-0354	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard .....		3,338.52	
26 24 16 00-0355	EA	125 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard .....		3,689.35	
26 24 16 00-0356	EA	250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard .....		4,533.43	
26 24 16 00-0357	EA	250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard .....		4,670.23	
26 24 16 00-0358	EA	250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard .....		4,839.21	
26 24 16 00-0359	EA	400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard .....		5,028.47	
26 24 16 00-0360	EA	400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard .....		5,218.38	
26 24 16 00-0361	EA	400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard .....		5,401.41	
<b>26 24 16 00-0362</b>		<b>600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0169)</small>			
		Note: Square D I-Line or equal.			
<b>26 24 16 00-0363</b>		<b>Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0362)</small>			
26 24 16 00-0364	EA	400 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard .....		1,785.40	322.27
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		193.36	
26 24 16 00-0365	EA	400 Ampere Rating, 45" Breaker Mounted Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard .....		2,091.13	322.17
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		193.31	
26 24 16 00-0366	EA	400 Ampere Rating, 63" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard .....		2,321.35	322.17
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		193.31	
26 24 16 00-0367	EA	600 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard .....		2,646.87	529.08
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		317.45	
26 24 16 00-0368	EA	600 Ampere Rating, 45" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard .....		2,825.05	529.08
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		317.45	
26 24 16 00-0369	EA	600 Ampere Rating, 63" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard .....		3,020.59	529.08
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		317.45	
26 24 16 00-0370	EA	800 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard .....		3,262.57	703.33
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		421.98	
26 24 16 00-0371	EA	800 Ampere Rating, 45" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard .....		3,434.01	705.41
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		423.27	
26 24 16 00-0372	EA	800 Ampere Rating, 63" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard .....		3,503.83	703.33
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		421.98	
26 24 16 00-0373	EA	800 Ampere Rating, 99" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard .....		4,069.13	703.33
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		421.98	
26 24 16 00-0374	EA	1,200 Ampere Rating, 27" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard .....		5,302.39	1,058.17
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		634.90	
26 24 16 00-0375	EA	1,200 Ampere Rating, 45" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard .....		5,687.15	1,058.17
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		634.90	
26 24 16 00-0376	EA	1,200 Ampere Rating, 63" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard .....		6,001.73	1,058.17
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		634.90	
26 24 16 00-0377	EA	1,200 Ampere Rating, 99" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard .....		6,385.70	1,058.17
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		634.90	

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 24 16 00-0378	<b>Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0362)</small>		
26 24 16 00-0379	EA 225 Ampere Rating, 36" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,452.35	329.09
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	197.45	
26 24 16 00-0380	EA 400 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	4,532.59	373.25
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	223.96	
26 24 16 00-0381	EA 400 Ampere Rating, 45" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	4,754.92	373.25
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	223.96	
26 24 16 00-0382	EA 400 Ampere Rating, 81" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	5,409.32	373.25
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	223.96	
26 24 16 00-0383	EA 600 Ampere Rating, 36" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	7,054.23	611.85
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	367.13	
26 24 16 00-0384	EA 600 Ampere Rating, 72" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	7,421.74	613.53
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	368.11	
26 24 16 00-0385	EA 600 Ampere Rating, 72" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	7,724.40	611.85
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	367.13	
26 24 16 00-0386	EA 800 Ampere Rating, 36" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	8,918.78	817.98
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	490.81	
26 24 16 00-0387	EA 800 Ampere Rating, 72" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	9,353.73	815.11
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	489.08	
26 24 16 00-0388	EA 800 Ampere Rating, 72" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	9,787.37	815.11
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	489.08	
26 24 16 00-0389	<b>Residential Lighting And Power Panelboards</b> <small>(26 24 16 00-0001)</small> See CSI section 26 28 16 13-0001 for circuit breakers.		
26 24 16 00-0390	<b>Residential Type Unassembled Load Center</b> <small>(26 24 16 00-0389)</small> Note: Interior box and cover, includes ground bar kit.		
26 24 16 00-0391	<b>Main Lug Load Center, Single Phase, 3 Wire, 120/240 Volt</b> <small>(26 24 16 00-0390)</small>		
26 24 16 00-0392	EA 30 Ampere Rating, 2 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard.....	146.95	54.18
26 24 16 00-0393	EA 70 Ampere Rating, 4 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard.....	490.80	216.75
26 24 16 00-0394	EA 100 Ampere Rating, 8 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard.....	742.86	309.40
26 24 16 00-0395	EA 125 Ampere Rating, 24 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard.....	1,588.50	650.36
26 24 16 00-0396	EA 150 Ampere Rating, 30 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard.....	1,737.59	704.43
26 24 16 00-0397	<b>Main Lug Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC</b> <small>(26 24 16 00-0390)</small> Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta.		
26 24 16 00-0398	EA 60 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard.....	205.56	59.61
26 24 16 00-0399	EA 125 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard.....	370.37	65.02
26 24 16 00-0400	<b>Main Lug Load Center, Single Phase, 3 Wire, 120/240 Volt, Rainproof</b> <small>(26 24 16 00-0390)</small>		
26 24 16 00-0401	EA 40 Ampere Rating, 2 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard.....	209.10	59.61
26 24 16 00-0402	EA 70 Ampere Rating, 4 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard.....	233.31	65.02
26 24 16 00-0403	EA 100 Ampere Rating, 8 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard.....	813.54	309.40
26 24 16 00-0404	EA 150 Ampere Rating, 30 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard.....	1,845.15	704.43
26 24 16 00-0405	<b>Main Lug Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC</b> <small>(26 24 16 00-0390)</small> Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta, Rainproof.		
26 24 16 00-0406	EA 60 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard.....	259.34	59.61
26 24 16 00-0407	EA 125 Ampere Rating, 20 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard.....	1,785.33	650.36
26 24 16 00-0408	<b>Main Breaker Load Center, Single Phase, 3 Wire, 120/240 Volt</b> <small>(26 24 16 00-0390)</small>		
26 24 16 00-0409	EA 125 Ampere Rating, 24 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard.....	1,923.47	650.36
26 24 16 00-0410	EA 150 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard.....	2,087.93	704.43
26 24 16 00-0411	EA 300 Ampere Rating, 42 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard.....	7,414.22	1,083.74

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 24 16 00-0412		<b>Main Breaker Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC</b> <small>(26 24 16 00-0390)</small>			
		Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 V Delta.			
26 24 16 00-0413	EA	125 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard .....	2,815.90		650.36
26 24 16 00-0414	EA	150 Ampere Rating, 40 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard .....	3,071.78		704.43
26 24 16 00-0415	EA	300 Ampere Rating, 42 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard .....	8,165.13		1,083.74
26 24 16 00-0416		<b>Main Breaker Load Center, Single Phase, 3 Wire, 120/240 Volt, Rainproof</b> <small>(26 24 16 00-0390)</small>			
26 24 16 00-0417	EA	125 Ampere Rating, 24 Circuit, Main Breaker Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard .....	2,023.34		650.36
26 24 16 00-0418	EA	150 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard .....	2,258.48		704.43
26 24 16 00-0419		<b>Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC</b> <small>(26 24 16 00-0390)</small>			
		Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta, Rainproof.			
26 24 16 00-0420	EA	125 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard .....	2,981.54		650.36
26 24 16 00-0421	EA	155 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard .....	3,089.76		704.43
26 24 16 00-0422		<b>Residential Type Assembled Load Center</b> <small>(26 24 16 00-0389)</small>			
26 24 16 00-0423		<b>Main Lug Load Center, 3 Wire, 20 Amperes, 120/240 Volt, 1 Phase</b> <small>(26 24 16 00-0422)</small>			
		Note: Includes 1 pole plug-in breaker.			
26 24 16 00-0424	EA	100 Ampere Rating, Main Lugs, Indoor 8 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	743.32		309.40
26 24 16 00-0425	EA	100 Ampere Rating, Main Lugs, Indoor 12 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	905.73		361.42
26 24 16 00-0426	EA	100 Ampere Rating, Main Lugs, Rainproof, 8 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	760.22		309.40
26 24 16 00-0427	EA	100 Ampere Rating, Main Lugs, Rainproof, 12 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	910.34		361.42
26 24 16 00-0428	EA	200 Ampere Rating, Main Lugs, Indoor, 8 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,323.05		481.72
26 24 16 00-0429	EA	200 Ampere Rating, Main Lugs, Indoor, 20 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,560.48		578.18
26 24 16 00-0430	EA	200 Ampere Rating, Main Lugs, Indoor, 24 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,784.21		667.04
26 24 16 00-0431	EA	200 Ampere Rating, Main Lugs, Indoor, 30 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,966.65		722.10
26 24 16 00-0432	EA	200 Ampere Rating, Main Lugs, Indoor, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	2,943.44		1,083.74
26 24 16 00-0433	EA	200 Ampere Rating, Main Lugs, Rainproof, 16 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,382.97		481.72
26 24 16 00-0434	EA	200 Ampere Rating, Main Lugs, Rainproof, 20 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,617.33		578.18
26 24 16 00-0435	EA	200 Ampere Rating, Main Lugs, Rainproof, 24 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,841.06		667.04
26 24 16 00-0436	EA	200 Ampere Rating, Main Lugs, Rainproof, 30 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	2,020.43		722.10
26 24 16 00-0437	EA	200 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	3,120.15		1,083.74
26 24 16 00-0438	EA	400 Ampere Rating, Main Lugs, Indoor, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	3,629.87		1,204.15
26 24 16 00-0439	EA	400 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	3,814.26		1,204.15
26 24 16 00-0440		<b>Main Lug Load Center, 4 Wire, 20 Amperes, 120/208 Volt</b> <small>(26 24 16 00-0422)</small>			
		Note: Includes 1 pole plug-in breaker.			
26 24 16 00-0441	EA	125 Ampere Rating, Main Lugs, Indoor, 12 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	991.78		361.42
26 24 16 00-0442	EA	125 Ampere Rating, Main Lugs, Indoor, 18 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,478.64		541.87
26 24 16 00-0443	EA	125 Ampere Rating, Main Lugs, Rainproof, 12 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,042.48		361.42
26 24 16 00-0444	EA	125 Ampere Rating, Main Lugs, Rainproof, 18 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,524.73		541.87
26 24 16 00-0445	EA	200 Ampere Rating, Main Lugs, Indoor, 24 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,871.80		667.04
26 24 16 00-0446	EA	200 Ampere Rating, Main Lugs, Indoor, 30 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	2,044.25		722.53
26 24 16 00-0447	EA	200 Ampere Rating, Main Lugs, Indoor, 36 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	2,502.82		867.31
26 24 16 00-0448	EA	200 Ampere Rating, Main Lugs, Indoor, 42 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	3,004.90		1,083.74
26 24 16 00-0449	EA	200 Ampere Rating, Main Lugs, Rainproof, 24 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,925.58		667.04
26 24 16 00-0450	EA	200 Ampere Rating, Main Lugs, Rainproof, 30 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	2,104.94		722.10

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 24 16 00-0451	EA			200 Ampere Rating, Main Lugs, Rainproof, 36 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	2,709.16	866.67
26 24 16 00-0452	EA			200 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	3,212.34	1,083.74
26 24 16 00-0453	EA			400 Ampere Rating, Main Lugs, Indoor, 42 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	3,675.97	1,204.15
26 24 16 00-0454	EA			400 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	3,860.36	1,204.15
<b>26 24 16 00-0455</b>				<b>Main Breaker Load Center, 3 Wire, 20 Amperes, 120/240 Volt, 1 Phase</b> <small>(26 24 16 00-0422)</small>		
				<small>Note: Includes 1 pole plug-in breaker.</small>		
26 24 16 00-0456	EA			125 Ampere Rating, Main Breaker, Indoor, 12 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	985.63	361.42
26 24 16 00-0457	EA			125 Ampere Rating, Main Breaker, Indoor, 18 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	1,457.12	541.87
26 24 16 00-0458	EA			200 Ampere Rating, Main Breaker, Indoor, 20 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	1,686.47	578.18
26 24 16 00-0459	EA			200 Ampere Rating, Main Breaker, Indoor, 24 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	1,933.92	667.37
26 24 16 00-0460	EA			200 Ampere Rating, Main Breaker, Indoor, 30 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	2,128.76	722.53
26 24 16 00-0461	EA			200 Ampere Rating, Main Breaker, Indoor, 40 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	2,818.19	963.44
26 24 16 00-0462	EA			200 Ampere Rating, Main Breaker, Rainproof, 20 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	1,701.84	578.18
26 24 16 00-0463	EA			200 Ampere Rating, Main Breaker, Rainproof, 24 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	1,963.99	667.04
26 24 16 00-0464	EA			200 Ampere Rating, Main Breaker, Rainproof, 30 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	2,135.67	722.10
26 24 16 00-0465	EA			200 Ampere Rating, Main Breaker, Rainproof, 40 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	2,733.68	963.44
26 24 16 00-0466	EA			400 Ampere Rating, Main Breaker, Indoor, 42 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	5,212.53	1,204.15
26 24 16 00-0467	EA			400 Ampere Rating, Main Breaker, Rainproof, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	5,519.84	1,204.15
<b>26 24 16 00-0468</b>				<b>Main Breaker Load Center, 4 Wire, 20 Amperes, 120/208 Volt</b> <small>(26 24 16 00-0422)</small>		
				<small>Note: Includes 1 pole plug-in breaker.</small>		
26 24 16 00-0469	EA			200 Ampere Rating, Main Breaker, Indoor, 30 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	2,559.00	722.53
26 24 16 00-0470	EA			200 Ampere Rating, Main Breaker, Indoor, 42 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	3,496.60	1,083.74
26 24 16 00-0471	EA			200 Ampere Rating, Main Breaker, Rainproof, 30 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	2,650.42	722.10
26 24 16 00-0472	EA			200 Ampere Rating, Main Breaker, Rainproof, 42 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	3,588.80	1,083.74
<b>26 24 16 00-0473</b>				<b>Panel Mounted Accessories And Fuseholders</b> <small>(26 24 16 00-0001)</small>		
<b>26 24 16 00-0474</b>				<b>Midget Finger-Safe Fuse Holders</b> <small>(26 24 16 00-0473)</small>		
				<small>Note: 30 Amp capacity. Excludes fuse.</small>		
26 24 16 00-0475	EA			1 Pole Midget Finger-Safe Fuse Holder.....	67.07	19.51
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.01	
26 24 16 00-0476	EA			1 Pole With Indicator Midget Finger-Safe Fuse Holder.....	78.31	19.51
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.01	
26 24 16 00-0477	EA			2 Pole Midget Finger-Safe Fuse Holder.....	107.75	29.26
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.51	
26 24 16 00-0478	EA			2 Pole With Indicators Midget Finger-Safe Fuse Holder.....	137.08	29.26
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.51	
26 24 16 00-0479	EA			3 Pole Midget Finger-Safe Fuse Holder.....	157.51	39.02
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.01	
26 24 16 00-0480	EA			3 Pole With Indicators Midget Finger-Safe Fuse Holder.....	196.47	39.02
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.01	
26 24 16 00-0481	EA			3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder.....	229.06	39.02
				<small>Note: With indicators.</small>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.01	
26 24 16 00-0482	EA			3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder.....	185.86	39.02
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.01	
26 24 16 00-0483	EA			4 Pole Midget Finger-Safe Fuse Holder.....	198.32	48.77
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.51	
26 24 16 00-0484	EA			4 Pole With Indicator Midget Finger-Safe Fuse Holder.....	241.10	48.77
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.51	
26 24 16 00-0485	EA			12 To 24 Volt DC Midget Finger-Safe Fuse Holder.....	78.35	19.51
				<small>Note: With indicator.</small>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.01	
26 24 16 00-0486	EA			20 To 24 Volt DC Midget Finger-Safe Fuse Holder.....	84.31	19.51
				<small>Note: With indicator.</small>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.01	
26 24 16 00-0487	EA			35 To 48 Volt DC Midget Finger-Safe Fuse Holder.....	79.44	19.51
				<small>Note: With indicator.</small>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.01	
<b>26 24 16 00-0488</b>				<b>Removal And Reinstallation Of Panelboards</b> <small>(26 24 16 00-0001)</small>		
				<small>Note: Includes storage, cleaning and supply materials.</small>		

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 24 16 00-0489	EA	Removal And Reinstallation Of Up To 42 Circuit Capacity Panelboards With Breakers.....	1,360.88	
		Note: Includes removal and reinstallation of main wiring to panelboard.		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	406.40	
26 24 16 00-0490	EA	Removal And Reinstallation Of Breaker, 1-2-3 Pole, Any Amperage.....	72.22	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.13	
26 24 16 00-0491	EA	Panelboard Filler Plate, Fits 1" Opening.....	5.17	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.02	

**26 24 19 Motor-Control Centers (26 24)**

**26 24 19 00-0001 Combination Starters With Molded Case Circuit Breakers (26 24 19)**  
 Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" o 20" Deep), fully factory assembled and wired internally.

**26 24 19 00-0002 230 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001)**  
 Note: 1-Speed non-reversing.

26 24 19 00-0003	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination With Molded Case Circuit.....	2,260.98	99.00
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.40	
26 24 19 00-0004	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination With Molded Case Circuit.....	2,678.73	103.96
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.37	
26 24 19 00-0005	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination With Molded Case Circuit.....	3,989.85	108.91
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	65.34	
26 24 19 00-0006	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit.....	7,238.28	128.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	77.22	
26 24 19 00-0007	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit.....	14,586.76	148.51
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	89.11	
26 24 19 00-0008	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit.....	24,545.28	198.01
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	118.80	

**26 24 19 00-0009 480 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001)**  
 Note: 1-Speed non-reversing.

26 24 19 00-0010	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination With Molded Case Circuit.....	2,260.98	99.00
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.40	
26 24 19 00-0011	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination With Molded Case Circuit.....	2,678.73	103.96
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.37	
26 24 19 00-0012	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit.....	3,989.85	108.91
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	65.34	
26 24 19 00-0013	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit.....	7,238.28	128.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	77.22	
26 24 19 00-0014	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit.....	14,586.76	148.51
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	89.11	
26 24 19 00-0015	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination With Molded Case Circuit.....	24,545.28	198.01
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	118.80	

**26 24 19 00-0016 230 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001)**  
 Note: 1-Speed reversing.

26 24 19 00-0017	EA	230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination With Molded Case Circuit.....	3,279.52	99.00
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.40	
26 24 19 00-0018	EA	230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination With Molded Case Circuit.....	4,372.69	103.96
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.37	
26 24 19 00-0019	EA	230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination With Molded Case Circuit.....	6,270.77	108.91
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	65.34	
26 24 19 00-0020	EA	230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit.....	10,975.79	128.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	77.22	
26 24 19 00-0021	EA	230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit.....	21,610.78	148.51
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	89.11	
26 24 19 00-0022	EA	230 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit.....	37,246.79	198.01
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	118.80	

**26 24 19 00-0023 480 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001)**  
 Note: 1-Speed reversing.

26 24 19 00-0024	EA	480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination With Molded Case Circuit.....	3,279.52	99.00
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.40	
26 24 19 00-0025	EA	480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination With Molded Case Circuit.....	4,372.69	103.96
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.37	
26 24 19 00-0026	EA	480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit.....	6,270.77	108.91
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	65.34	
26 24 19 00-0027	EA	480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit.....	10,975.79	128.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	77.22	
26 24 19 00-0028	EA	480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit.....	21,610.78	148.51
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	89.11	
26 24 19 00-0029	EA	480 Volt, Full Volt, 1 Speed, Reversing, 400 HP Combination With Molded Case Circuit.....	37,246.79	198.01
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	118.80	

**26 24 19 00-0030 230 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001)**  
 Note: 2-Speed non-reversing, 2 wind.

26 24 19 00-0031	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit.....	3,987.42	158.41
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	95.04	
26 24 19 00-0032	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit.....	5,487.57	168.31
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	100.99	
26 24 19 00-0033	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit.....	8,083.91	178.21
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	106.92	
26 24 19 00-0034	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit.....	14,453.96	202.96
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	121.77	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0035 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,951.24 142.57	237.61
<b>26 24 19 00-0036 480 Volt Combination With Molded Case Circuit, Full Volt</b> <small>(26 24 19 00-0001)</small> Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0037 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,987.42 95.04	158.41
26 24 19 00-0038 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,487.57 100.99	168.31
26 24 19 00-0039 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,083.91 106.92	178.21
26 24 19 00-0040 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,453.96 121.77	202.96
26 24 19 00-0041 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,951.24 142.57	237.61
<b>26 24 19 00-0042 230 Volt Combination With Molded Case Circuit, Full Volt</b> <small>(26 24 19 00-0001)</small> Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0043 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,610.95 59.40	99.00
26 24 19 00-0044 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,865.09 62.37	103.96
26 24 19 00-0045 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,399.75 65.34	108.91
26 24 19 00-0046 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,663.18 77.22	128.71
26 24 19 00-0047 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30,607.15 89.11	148.51
<b>26 24 19 00-0048 480 Volt Combination With Molded Case Circuit, Full Volt</b> <small>(26 24 19 00-0001)</small> Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0049 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,610.95 59.40	99.00
26 24 19 00-0050 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,865.09 62.37	103.96
26 24 19 00-0051 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,399.75 65.34	108.91
26 24 19 00-0052 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,663.18 77.22	128.71
26 24 19 00-0053 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30,607.15 89.11	148.51
<b>26 24 19 00-0054 230 Volt Combination With Molded Case Circuit</b> <small>(26 24 19 00-0001)</small> Note: Reducing volt, auto-transformer.		
26 24 19 00-0055 EA 230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination With Molded Case Circuit.....	6,821.93	103.96
26 24 19 00-0056 EA 230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination With Molded Case Circuit.....	10,447.61	113.85
26 24 19 00-0057 EA 230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit.....	17,613.55	128.71
26 24 19 00-0058 EA 230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit.....	27,249.43	148.51
26 24 19 00-0059 EA 230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit.....	46,620.79	198.01
<b>26 24 19 00-0060 480 Volt Combination With Molded Case Circuit</b> <small>(26 24 19 00-0001)</small> Note: Reducing volt, auto-transformer.		
26 24 19 00-0061 EA 480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination With Molded Case Circuit.....	6,821.93	103.96
26 24 19 00-0062 EA 480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit.....	10,447.61	113.85
26 24 19 00-0063 EA 480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit.....	17,613.55	128.71
26 24 19 00-0064 EA 480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit.....	27,249.43	148.51
26 24 19 00-0065 EA 480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination With Molded Case Circuit.....	46,620.79	198.01
<b>26 24 19 00-0066 230 Volt Combination With Molded Case Circuit</b> <small>(26 24 19 00-0001)</small> Note: Reducing volt, part winding.		
26 24 19 00-0067 EA 230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,654.22 95.04	158.41
26 24 19 00-0068 EA 230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,013.58 109.89	183.16
26 24 19 00-0069 EA 230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,580.50 121.77	202.96
26 24 19 00-0070 EA 230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,038.91 148.51	247.51
26 24 19 00-0071 EA 230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24,782.92 190.10	316.82
<b>26 24 19 00-0072 480 Volt Combination With Molded Case Circuit</b> <small>(26 24 19 00-0001)</small> Note: Reducing volt, part winding.		
26 24 19 00-0073 EA 480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,654.22 95.04	158.41
26 24 19 00-0074 EA 480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,013.58 109.89	183.16
26 24 19 00-0075 EA 480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,580.50 121.77	202.96

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 24 19 00-0076	EA 480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,038.91 148.51	247.51
26 24 19 00-0077	EA 480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24,782.92 190.10	316.82
<b>26 24 19 00-0078</b>	<b>230 Volt Combination With Molded Case Circuit (26 24 19 00-0001)</b> Note: Reducing volt, energy saver.		
26 24 19 00-0079	EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7-1/2 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,260.04 77.22	128.71
26 24 19 00-0080	EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,430.76 95.04	158.41
26 24 19 00-0081	EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,560.51 109.89	183.16
26 24 19 00-0082	EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34,162.23 121.77	202.96
26 24 19 00-0083	EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46,592.49 148.51	247.51
26 24 19 00-0084	EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	63,230.56 190.10	316.82
<b>26 24 19 00-0085</b>	<b>480 Volt Combination With Molded Case Circuit (26 24 19 00-0001)</b> Note: Reducing volt, energy saver.		
26 24 19 00-0086	EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,260.04 77.22	128.71
26 24 19 00-0087	EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,430.76 95.04	158.41
26 24 19 00-0088	EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,560.51 109.89	183.16
26 24 19 00-0089	EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34,162.23 121.77	202.96
26 24 19 00-0090	EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46,592.49 148.51	247.51
26 24 19 00-0091	EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	63,230.56 190.10	316.82
<b>26 24 19 00-0092</b>	<b>Combination Starters With Current Limiting Circuit Breakers (26 24 19)</b> Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and wired internally.		
<b>26 24 19 00-0093</b>	<b>230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)</b> Note: Full volt, 1-speed non-reversing.		
26 24 19 00-0094	EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,027.04 59.40	99.00
26 24 19 00-0095	EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,444.79 62.37	103.96
26 24 19 00-0096	EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,329.92 65.34	108.91
26 24 19 00-0097	EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,825.62 77.22	128.71
26 24 19 00-0098	EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,594.90 89.11	148.51
26 24 19 00-0099	EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28,682.01 118.80	198.01
<b>26 24 19 00-0100</b>	<b>480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)</b> Note: Full volt, 1-speed non-reversing.		
26 24 19 00-0101	EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,027.04 59.40	99.00
26 24 19 00-0102	EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,444.79 62.37	103.96
26 24 19 00-0103	EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,329.92 65.34	108.91
26 24 19 00-0104	EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,825.62 77.22	128.71
26 24 19 00-0105	EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,594.90 89.11	148.51
26 24 19 00-0106	EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28,682.01 118.80	198.01
<b>26 24 19 00-0107</b>	<b>230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)</b> Note: Full volt, 1-speed reversing.		

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 24 19 00-0108	EA		230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,039.11 59.40	99.00
	26 24 19 00-0109	EA		230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,123.65 62.37	103.96
	26 24 19 00-0110	EA		230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,580.63 65.34	108.91
	26 24 19 00-0111	EA		230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,528.61 77.22	128.71
	26 24 19 00-0112	EA		230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24,558.50 89.11	148.51
	<b>26 24 19 00-0113</b>			<b>480 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small> Note: Full volt, 1-speed reversing.		
	26 24 19 00-0114	EA		480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,039.11 59.40	99.00
	26 24 19 00-0115	EA		480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,123.65 62.37	103.96
	26 24 19 00-0116	EA		480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,580.63 65.34	108.91
	26 24 19 00-0117	EA		480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,528.61 77.22	128.71
	26 24 19 00-0118	EA		480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24,558.50 89.11	148.51
	<b>26 24 19 00-0119</b>			<b>230 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small> Note: Full volt, 2-speed non-reversing, 2 wind.		
	26 24 19 00-0120	EA		230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,734.06 95.04	158.41
	26 24 19 00-0121	EA		230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,223.42 100.99	168.31
	26 24 19 00-0122	EA		230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,372.18 106.92	178.21
	26 24 19 00-0123	EA		230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,976.57 121.77	202.96
	26 24 19 00-0124	EA		230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26,875.22 142.57	237.61
	<b>26 24 19 00-0125</b>			<b>480 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small> Note: Full volt, 2-speed non-reversing, 2 wind.		
	26 24 19 00-0126	EA		480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,734.06 95.04	158.41
	26 24 19 00-0127	EA		480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,223.42 100.99	168.31
	26 24 19 00-0128	EA		480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,372.18 106.92	178.21
	26 24 19 00-0129	EA		480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,976.57 121.77	202.96
	26 24 19 00-0130	EA		480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26,875.22 142.57	237.61
	<b>26 24 19 00-0131</b>			<b>230 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small> Note: Full volt, 2-speed non-reversing, 1 wind.		
	26 24 19 00-0132	EA		230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,456.60 89.11	148.51
	26 24 19 00-0133	EA		230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,696.88 95.04	158.41
	26 24 19 00-0134	EA		230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,800.37 100.99	168.31
	26 24 19 00-0135	EA		230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,284.28 115.83	193.06
	26 24 19 00-0136	EA		230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33,631.28 136.63	227.71
	<b>26 24 19 00-0137</b>			<b>480 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small> Note: Full volt, 2-speed non-reversing, 1 wind.		
	26 24 19 00-0138	EA		480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,456.60 89.11	148.51

**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 24 Switchboards and Panelboards**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 24 19 00-0139	EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit .....	7,696.88	158.41
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	95.04	
26 24 19 00-0140	EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit .....	10,800.37	168.31
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	100.99	
26 24 19 00-0141	EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit .....	20,284.28	193.06
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	115.83	
26 24 19 00-0142	EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit .....	33,631.28	227.71
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	136.63	
<b>26 24 19 00-0143</b>	<b>230 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small> Note: Reduced volt, auto-transformer.		
26 24 19 00-0144	EA 230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination Starters With Current Limiting Circuit .....	7,546.99	103.96
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	62.37	
26 24 19 00-0145	EA 230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination Starters With Current Limiting Circuit .....	12,156.69	113.85
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	68.31	
26 24 19 00-0146	EA 230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit .....	20,550.48	128.71
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	77.22	
26 24 19 00-0147	EA 230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit .....	31,135.84	148.51
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	89.11	
26 24 19 00-0148	EA 230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit .....	51,232.26	198.01
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	118.80	
<b>26 24 19 00-0149</b>	<b>480 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small> Note: Reduced volt, auto-transformer.		
26 24 19 00-0150	EA 480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination Starters With Current Limiting Circuit .....	7,546.99	103.96
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	62.37	
26 24 19 00-0151	EA 480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit .....	12,156.69	113.85
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	68.31	
26 24 19 00-0152	EA 480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit .....	20,550.48	128.71
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	77.22	
26 24 19 00-0153	EA 480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit .....	31,135.84	148.51
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	89.11	
26 24 19 00-0154	EA 480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination Starters With Current Limiting Circuit .....	51,232.26	198.01
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	118.80	
<b>26 24 19 00-0155</b>	<b>230 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small> Note: Reduced volt, part winding.		
26 24 19 00-0156	EA 230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination Starters With Current Limiting Circuit .....	5,400.86	158.41
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	95.04	
26 24 19 00-0157	EA 230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination Starters With Current Limiting Circuit .....	6,745.12	183.16
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	109.89	
26 24 19 00-0158	EA 230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination Starters With Current Limiting Circuit .....	11,860.14	202.96
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	121.77	
26 24 19 00-0159	EA 230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit .....	21,012.52	247.51
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	148.51	
26 24 19 00-0160	EA 230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit .....	31,002.04	316.82
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	190.10	
<b>26 24 19 00-0161</b>	<b>480 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small> Note: Reduced volt, part winding.		
26 24 19 00-0162	EA 480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination Starters With Current Limiting Circuit .....	5,400.86	158.41
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	95.04	
26 24 19 00-0163	EA 480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination Starters With Current Limiting Circuit .....	6,745.12	183.16
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	109.89	
26 24 19 00-0164	EA 480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit .....	11,860.14	202.96
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	121.77	
26 24 19 00-0165	EA 480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit .....	21,012.52	247.51
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	148.51	
26 24 19 00-0166	EA 480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination Starters With Current Limiting Circuit .....	31,002.04	316.82
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	190.10	
<b>26 24 19 00-0167</b>	<b>230 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small> Note: Reduced volt, energy saving		
26 24 19 00-0168	EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7.5 HP Combination Starters With Current Limiting Circuit .....	19,879.37	128.71
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	77.22	
26 24 19 00-0169	EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination Starters With Current Limiting Circuit .....	21,043.61	158.41
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	95.04	
26 24 19 00-0170	EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination Starters With Current Limiting Circuit .....	23,151.77	183.16
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	109.89	
26 24 19 00-0171	EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit .....	34,652.08	202.96
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	121.77	
26 24 19 00-0172	EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit .....	46,972.29	247.51
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	148.51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0173	EA		230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	65,835.17 190.10	316.82
<b>26 24 19 00-0174</b>			<b>480 Volt Combination Starters With Current Limiting Circuit</b> (26 24 19 00-0092) Note: Reduced volt, energy saving		
26 24 19 00-0175	EA		480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,879.42 77.24	128.71
26 24 19 00-0176	EA		480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,043.61 95.04	158.41
26 24 19 00-0177	EA		480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,151.77 109.89	183.16
26 24 19 00-0178	EA		480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34,652.08 121.77	202.96
26 24 19 00-0179	EA		480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46,972.29 148.51	247.51
26 24 19 00-0180	EA		480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	65,835.17 190.10	316.82
<b>26 24 19 00-0181</b>			<b>Combination Starters With Fusible Switch</b> (26 24 19) Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and Wired Internally.		
<b>26 24 19 00-0182</b>			<b>230 Volt Combination Starters With Fusible Switch, Full Volt</b> (26 24 19 00-0181) Note: 1-Speed non-reversing.		
26 24 19 00-0183	EA		7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,010.66 59.40	99.00
26 24 19 00-0184	EA		15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,775.83 62.37	103.96
26 24 19 00-0185	EA		30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,684.70 65.34	108.91
26 24 19 00-0186	EA		50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,267.60 77.22	128.71
26 24 19 00-0187	EA		100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,425.80 89.11	148.51
26 24 19 00-0188	EA		200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,951.85 118.80	198.01
<b>26 24 19 00-0189</b>			<b>480 Volt Combination Starters With Fusible Switch, Full Volt</b> (26 24 19 00-0181) Note: 1-Speed non-reversing.		
26 24 19 00-0190	EA		10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,010.66 59.40	99.00
26 24 19 00-0191	EA		25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,775.83 62.37	103.96
26 24 19 00-0192	EA		50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,684.70 65.34	108.91
26 24 19 00-0193	EA		100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,267.60 77.22	128.71
26 24 19 00-0194	EA		200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,425.80 89.11	148.51
26 24 19 00-0195	EA		400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,951.85 118.80	198.01
<b>26 24 19 00-0196</b>			<b>230 Volt Combination Starters With Fusible Switch, Full Volt</b> (26 24 19 00-0181) Note: 1-Speed reversing.		
26 24 19 00-0197	EA		7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,251.47 59.40	99.00
26 24 19 00-0198	EA		15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,847.44 62.37	103.96
26 24 19 00-0199	EA		30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,759.74 65.34	108.91
26 24 19 00-0200	EA		50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,650.34 77.22	128.71
26 24 19 00-0201	EA		100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,465.81 89.11	148.51
26 24 19 00-0202	EA		200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33,092.80 118.80	198.01
<b>26 24 19 00-0203</b>			<b>480 Volt Combination Starters With Fusible Switch, Full Volt</b> (26 24 19 00-0181) Note: 1-Speed reversing.		
26 24 19 00-0204	EA		10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,251.47 59.40	99.00
26 24 19 00-0205	EA		25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,847.44 62.37	103.96
26 24 19 00-0206	EA		50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,759.74 65.34	108.91
26 24 19 00-0207	EA		100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,650.34 77.22	128.71

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 24 19 00-0208	EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,465.81 89.11	148.51
26 24 19 00-0209	EA 400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33,092.80 118.80	198.01
<b>26 24 19 00-0210</b>	<b>230 Volt Combination Starters With Fusible Switch, Full Volt</b> <small>(26 24 19 00-0181)</small> Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0211	EA 10 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,806.15 95.04	158.41
26 24 19 00-0212	EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,237.25 100.99	168.31
26 24 19 00-0213	EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,245.75 106.92	178.21
26 24 19 00-0214	EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,734.49 121.77	202.96
26 24 19 00-0215	EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,478.65 142.57	237.61
<b>26 24 19 00-0216</b>	<b>480 Volt Combination Starters With Fusible Switch, Full Volt</b> <small>(26 24 19 00-0181)</small> Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0217	EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,806.15 95.04	158.41
26 24 19 00-0218	EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,237.25 100.99	168.31
26 24 19 00-0219	EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,245.75 106.92	178.21
26 24 19 00-0220	EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,734.49 121.77	202.96
26 24 19 00-0221	EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,478.65 142.57	237.61
<b>26 24 19 00-0222</b>	<b>230 Volt Combination Starters With Fusible Switch, Full Volt</b> <small>(26 24 19 00-0181)</small> Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0223	EA 7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,347.69 59.40	99.00
26 24 19 00-0224	EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,632.03 62.37	103.96
26 24 19 00-0225	EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,550.81 65.34	108.91
26 24 19 00-0226	EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,255.73 77.22	128.71
<b>26 24 19 00-0227</b>	<b>480 Volt Combination Starters With Fusible Switch, Full Volt</b> <small>(26 24 19 00-0181)</small> Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0228	EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,347.69 59.40	99.00
26 24 19 00-0229	EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,632.03 62.37	103.96
26 24 19 00-0230	EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,550.81 65.34	108.91
26 24 19 00-0231	EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,255.73 77.22	128.71
<b>26 24 19 00-0232</b>	<b>230 Volt Combination Starters With Fusible Switch, Reduced Volt</b> <small>(26 24 19 00-0181)</small> Note: Auto-transformer.		
26 24 19 00-0233	EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,586.72 62.37	103.96
26 24 19 00-0234	EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,632.31 68.31	113.85
26 24 19 00-0235	EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,383.04 77.22	128.71
26 24 19 00-0236	EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,881.31 89.11	148.51
26 24 19 00-0237	EA 200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43,483.18 118.80	198.01
<b>26 24 19 00-0238</b>	<b>480 Volt Combination Starters With Fusible Switch, Reduced Volt</b> <small>(26 24 19 00-0181)</small> Note: Auto-transformer.		
26 24 19 00-0239	EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,586.72 62.37	103.96
26 24 19 00-0240	EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,632.31 68.31	113.85
26 24 19 00-0241	EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,383.04 77.22	128.71
26 24 19 00-0242	EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,881.31 89.11	148.51
26 24 19 00-0243	EA 400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43,483.18 118.80	198.01
<b>26 24 19 00-0244</b>	<b>230 Volt Combination Starters With Fusible Switch, Reduced Volt</b> <small>(26 24 19 00-0181)</small> Note: Part winding.		

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0245	EA			10 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	4,682.27	158.41
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	95.04	
26 24 19 00-0246	EA			25 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	6,199.16	183.16
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	109.89	
26 24 19 00-0247	EA			50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	9,872.70	202.96
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	121.77	
26 24 19 00-0248	EA			75 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	19,685.40	247.51
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	148.51	
<b>26 24 19 00-0249</b>				<b>480 Volt Combination Starters With Fusible Switch, Reduced Volt (26 24 19 00-0181)</b>		
				Note: Part winding.		
26 24 19 00-0250	EA			15 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	4,682.27	158.41
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	95.04	
26 24 19 00-0251	EA			40 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	6,199.16	183.16
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	109.89	
26 24 19 00-0252	EA			75 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	9,872.70	202.96
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	121.77	
26 24 19 00-0253	EA			150 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	19,685.40	247.51
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	148.51	
<b>26 24 19 00-0254</b>				<b>230 Volt Combination Starters With Fusible Switch, Reduced Volt (26 24 19 00-0181)</b>		
				Note: Energy saver.		
26 24 19 00-0255	EA			7.5 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP .....	19,257.89	128.71
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	77.22	
26 24 19 00-0256	EA			15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP .....	20,430.76	158.41
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	95.04	
26 24 19 00-0257	EA			30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP .....	22,560.51	183.16
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	109.89	
26 24 19 00-0258	EA			50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP .....	34,162.23	202.96
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	121.77	
26 24 19 00-0259	EA			100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP .....	46,592.49	247.51
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	148.51	
26 24 19 00-0260	EA			200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP .....	63,230.56	316.82
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	190.10	
<b>26 24 19 00-0261</b>				<b>480 Volt Combination Starters With Fusible Switch, Reduced Volt (26 24 19 00-0181)</b>		
				Note: Energy saver.		
26 24 19 00-0262	EA			10 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP .....	19,257.89	128.71
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	77.22	
26 24 19 00-0263	EA			25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP .....	20,430.76	158.41
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	95.04	
26 24 19 00-0264	EA			50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP .....	22,560.51	183.16
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	109.89	
26 24 19 00-0265	EA			100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP .....	34,162.23	202.96
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	121.77	
26 24 19 00-0266	EA			200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP .....	46,592.49	247.51
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	148.51	
26 24 19 00-0267	EA			400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP .....	63,230.56	316.82
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	190.10	
<b>26 24 19 00-0268</b>				<b>Starter Accessories (26 24 19)</b>		
				Note: Additional options or accessories for the Combination Starters		
<b>26 24 19 00-0269</b>				<b>Starter Modifications (26 24 19 00-0268)</b>		
26 24 19 00-0270	EA			Size 1, 2, 50 VA, 60 Hertz, Standard Control Circuit Transformer .....	152.20	
26 24 19 00-0271	EA			Size 3, 4, 150 VA, 60 Hertz, Standard Control Circuit Transformer .....	336.64	
26 24 19 00-0272	EA			Size 5, 6, 50 VA, 60 Hertz, Control Circuit Transformer .....	481.22	
26 24 19 00-0273	EA			Extra 50 VA, 60 Hertz, Control Circuit Transformer, All Sizes .....	120.84	
26 24 19 00-0274	EA			Extra 100 VA, 60 Hertz, Control Circuit Transformer, All Sizes .....	170.48	
26 24 19 00-0275	EA			Extra 150 VA, 60 Hertz, Control Circuit Transformer, All Sizes .....	287.00	
26 24 19 00-0276	EA			Overload Relay Heater Elements, 3 Per Starter .....	71.21	
26 24 19 00-0277	EA			N.O. Overload Relay Alarm .....	60.42	
26 24 19 00-0278	EA			Control Circuit Fuses, Primary/Secondary .....	116.53	
26 24 19 00-0279	EA			Control Devices Type PB2 Mount On Device, 2 Unit Pushbutton .....	144.07	
26 24 19 00-0280	EA			Control Devices Type PB2 Mount On Device, 3 Unit Pushbutton .....	281.79	
26 24 19 00-0281	EA			Control Devices Type PB2 Mount On Device, 2 Or 3 Post Select .....	144.07	
26 24 19 00-0282	EA			Control Devices Type PB2 Mount On Device, Individual Light Full V .....	165.26	
26 24 19 00-0283	EA			Control Devices Type PB2 Mount On Device, Individual Light Transformer .....	199.16	
26 24 19 00-0284	EA			Control Devices Type PB2 Mount On Device, Individual Light Push To .....	235.18	
26 24 19 00-0285	EA			Blank Devices Panel .....	44.49	
26 24 19 00-0286	EA			Oversize Or Special Color Starter .....	69.92	
26 24 19 00-0287	EA			Mini Voltmeter/Ammeter With Current Transformer .....	612.35	

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26 24 19 00-0288	EA	Mini Elapsed Time Meters, Non Resettable.....	555.14	
26 24 19 00-0289	EA	Panel Elapsed Time Meter, Resettable.....	826.30	
26 24 19 00-0290	EA	Terminal Blocks, Side Mounted, Press Connection, Plug-In Press.....	69.92	
26 24 19 00-0291	EA	Terminal Blocks, Side Mounted, Press Connection, Plug-In Screw.....	99.58	
26 24 19 00-0292	EA	Terminal Blocks, Front Mounted, Press Connection, Standard.....	69.92	
26 24 19 00-0293	EA	Terminal Blocks, Front Mounted, Press Connection, Plug-In.....	99.58	
26 24 19 00-0294	EA	Terminal Blocks, Front Mounted, Press Connection, Screw-Type Utility.....	99.58	
26 24 19 00-0295	EA	Terminal Blocks, Front Mounted, Press Connection, Plug-In Screw Type.....	144.07	
26 24 19 00-0296	EA	MOR - A Solid State Modular Overload Relay.....	358.06	
26 24 19 00-0297	EA	Heater Module.....	64.39	
26 24 19 00-0298	EA	LAM - Long Acceleration Module.....	400.00	
26 24 19 00-0299	EA	JAM - Jam Protection Module.....	458.54	
26 24 19 00-0300	EA	PUM - Phase Unbalance Module.....	870.25	
26 24 19 00-0301	EA	ULM - Underload Module.....	417.56	
26 24 19 00-0302	EA	Wiring To Common Control Circuit Transformer.....	91.71	
26 24 19 00-0303	EA	Handle Operator Separable Source Control Circuit.....	171.71	
26 24 19 00-0304	EA	Type SIS Control Wire.....	72.20	
26 24 19 00-0305	EA	Ring Or Spade Terminals Control.....	91.71	
26 24 19 00-0306	EA	Ring Terminals Power.....	91.71	
26 24 19 00-0307	EA	14 Gauge Control Wire.....	72.20	
26 24 19 00-0308	EA	Wiremakers.....	91.71	
26 24 19 00-0309	EA	Wiring Diagram On Door.....	54.63	
26 24 19 00-0310	EA	Special Color Or Type Control Wire.....	66.34	
26 24 19 00-0311	EA	Current Transformer 12.5 VA.....	520.98	
26 24 19 00-0312	EA	Ground Fault Relay-Instant Non-Adjust, Size 1 Thru 4.....	1,664.40	
26 24 19 00-0313	EA	Ground Fault Relay-Instant Non-Adjust, Size 5 Thru 6.....	1,873.18	

**26 24 19 00-0314 Control Relays And Special Components** (26 24 19 00-0268)

26 24 19 00-0315	EA	600 Volt, 2 Pole, Control Relays.....	476.32	
26 24 19 00-0316	EA	600 Volt, 4 Pole, Control Relays.....	563.65	
26 24 19 00-0317	EA	600 Volt, 6 Pole, Control Relays.....	660.88	
26 24 19 00-0318	EA	600 Volt, 8 Pole, Control Relays.....	735.93	
26 24 19 00-0319	EA	Pneumatic Timer, Control Relays.....	630.79	
26 24 19 00-0320	EA	Motor Driven Timer, Control Relays.....	1,643.74	
26 24 19 00-0321	EA	7 Days Time Switch, Control Relays.....	2,068.88	
26 24 19 00-0322	EA	24 Hour Time Switch, Control Relays.....	580.14	
26 24 19 00-0323	EA	Phase Voltage, Control Relays.....	986.86	
26 24 19 00-0324	EA	Two Circuit Alternator, Control Relays.....	1,381.30	
26 24 19 00-0325	EA	Manual 120 Volt, Control Relays.....	135.06	
26 24 19 00-0326	EA	Over-Current Relay, Control Relays.....	3,722.94	
26 24 19 00-0327	EA	UV-Relay, Control Relays.....	3,153.19	
26 24 19 00-0328	EA	Over-Current Relay, Control Relays.....	3,153.19	
26 24 19 00-0329	EA	Teleductor, Control Relays.....	1,017.56	
26 24 19 00-0330	EA	Current Transducer, Control Relays.....	2,736.50	
26 24 19 00-0331	EA	Watt Transducer, Control Relays.....	5,473.01	
26 24 19 00-0332	EA	Control Relays, Blank, Add For Each 1x.....	185.71	
26 24 19 00-0333	EA	Control Relays, Fixed Mounted Back Pan, 20" Structure With Wireway.....	277.79	
26 24 19 00-0334	EA	Control Relays, Fixed Mounted Back Pan, 24" Structure With Wireway.....	313.09	
26 24 19 00-0335	EA	Control Relays, Fixed Mounted Back Pan, 280" Structure With Wireway.....	348.39	
26 24 19 00-0336	EA	Control Relays, Fixed Mounted Back Pan, 20" Structure Without Wireway.....	313.09	
26 24 19 00-0337	EA	Control Relays, Fixed Mounted Back Pan, 24" Structure Without Wireway.....	348.39	
26 24 19 00-0338	EA	Control Relays, Fixed Mounted Back Pan, 2820" Structure Without Wireway.....	366.81	

**26 24 19 00-0339 Circuit Breaker Modifications/Accessories** (26 24 19 00-0268)

26 24 19 00-0340	EA	Shunt Trip, Circuit Breaker.....	340.45	
26 24 19 00-0341	EA	Auxiliary Switch, Circuit Breaker.....	117.59	
26 24 19 00-0342	EA	Key Interlock, Circuit Breaker.....	422.96	
26 24 19 00-0343	EA	GFR Ground Fault, Circuit Breaker.....	1,949.78	
26 24 19 00-0344	EA	Seltronic Breaker, Circuit Breaker.....	1,129.47	

**26 24 19 00-0345 Incoming Line And Feeder Circuit Breakers** (26 24 19 00-0268)

26 24 19 00-0346	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100.....	1,488.92	64.35
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.61	
26 24 19 00-0347	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150.....	2,581.57	99.00
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.40	
26 24 19 00-0348	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/100.....	2,495.31	64.35
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.61	
26 24 19 00-0349	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/150.....	3,585.85	99.00
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.40	
26 24 19 00-0350	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150/150.....	4,611.31	99.00
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.40	
26 24 19 00-0351	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 250.....	2,835.95	128.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	77.24	
26 24 19 00-0352	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 400.....	4,614.29	138.60
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.18	
26 24 19 00-0353	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 600.....	6,087.41	178.21
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	106.88	
26 24 19 00-0354	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 800.....	7,148.77	272.26
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	163.41	
26 24 19 00-0355	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 1200.....	10,119.36	410.87
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	246.72	
26 24 19 00-0356	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2000.....	22,252.05	544.53
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	326.44	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0357 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2500 ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33,275.07 409.49	683.13
26 24 19 00-0358 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 3000 ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55,581.10 475.63	791.94
26 24 19 00-0359 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50 ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,791.90 38.61	64.35
26 24 19 00-0360 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150 ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,876.08 59.40	99.00
26 24 19 00-0361 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50 ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,791.90 38.61	64.35
26 24 19 00-0362 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/50 ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,876.08 59.40	99.00
26 24 19 00-0363 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/150 ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,056.78 38.61	64.35
26 24 19 00-0364 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150/150 ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,183.33 59.40	99.00
26 24 19 00-0365 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50 ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,196.08 59.40	99.00
26 24 19 00-0366 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 100 ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,729.88 59.40	99.00
26 24 19 00-0367 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 400 ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,911.47 163.41	272.26
26 24 19 00-0368 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-225 ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,911.47 163.41	272.26
26 24 19 00-0369 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-400 ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,322.92 178.13	297.01
26 24 19 00-0370 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-600 ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,646.54 207.82	346.51
26 24 19 00-0371 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-800 ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,399.14 246.72	410.87
<b>26 24 19 00-0372 Incoming Line And Feeder Fusible Switches (26 24 19 00-0268)</b>		
26 24 19 00-0373 EA 30 To 60 Amperes, Incoming Line And Feeder Fusible Switches.....	1,575.58	99.00
26 24 19 00-0374 EA Incoming Line And Feeder Fusible Switches, 30 Dual / 60 Dual .....	2,432.17	99.00
26 24 19 00-0375 EA 100 Amperes, Incoming Line And Feeder Fusible Switches.....	2,573.87	123.75
26 24 19 00-0376 EA 200 Amperes, Incoming Line And Feeder Fusible Switches.....	4,193.40	148.51
26 24 19 00-0377 EA 400 Amperes, Incoming Line And Feeder Fusible Switches.....	8,281.28	188.11
26 24 19 00-0378 EA 600 Amperes, Incoming Line And Feeder Fusible Switches.....	11,618.33	247.51
26 24 19 00-0379 EA 800 Amperes, Incoming Line And Feeder Fusible Switches.....	28,297.39	331.66
26 24 19 00-0380 EA 1,200 Amperes, Incoming Line And Feeder Fusible Switches.....	31,913.57	460.38
<b>26 24 19 00-0381 Dry Type Distribution Transformers (26 24 19 00-0268)</b>		
26 24 19 00-0382 EA 500 VA, Phase 1, Dry Type Distribution Transformers .....	1,444.97	
26 24 19 00-0383 EA 750 VA, Phase 1, Dry Type Distribution Transformers .....	1,491.58	
26 24 19 00-0384 EA 1,000 VA, Phase 1, Dry Type Distribution Transformers .....	1,540.31	
26 24 19 00-0385 EA 1,500 VA, Phase 1, Dry Type Distribution Transformers .....	1,767.02	
26 24 19 00-0386 EA 2,000 VA, Phase 1, Dry Type Distribution Transformers .....	1,915.33	
26 24 19 00-0387 EA 3,000 VA, Phase 1, Dry Type Distribution Transformers .....	2,093.67	
26 24 19 00-0388 EA 5,000 VA, Phase 1, Dry Type Distribution Transformers .....	2,606.03	
26 24 19 00-0389 EA 7,500 VA, Phase 1, Dry Type Distribution Transformers .....	2,936.55	
26 24 19 00-0390 EA 9,000 VA, Phase 3, Dry Type Distribution Transformers .....	6,826.53	
26 24 19 00-0391 EA 10,000 VA, Phase 1, Dry Type Distribution Transformers .....	3,623.02	
26 24 19 00-0392 EA 15,000 VA, Phase 1, Dry Type Distribution Transformers .....	5,019.26	
26 24 19 00-0393 EA 15,000 VA, Phase 3, Dry Type Distribution Transformers .....	7,822.33	
26 24 19 00-0394 EA 20,000 VA, Phase 1, Dry Type Distribution Transformers .....	7,243.91	
26 24 19 00-0395 EA 30,000 VA, Phase 1, Dry Type Distribution Transformers .....	10,038.51	
26 24 19 00-0396 EA 30,000 VA, Phase 3, Dry Type Distribution Transformers .....	10,009.80	
26 24 19 00-0397 EA 45,000 VA, Phase 1, Dry Type Distribution Transformers .....	13,865.43	
<b>26 24 19 00-0398 Metering Equipment (26 24 19 00-0268)</b>		
26 24 19 00-0399 EA Metering Equipment, Voltmeter, Panel Type .....	682.23	
26 24 19 00-0400 EA Metering Equipment, Voltmeter, Switchboard Type.....	1,491.58	
26 24 19 00-0401 EA Metering Equipment, Ammeter, Panel .....	614.43	
26 24 19 00-0402 EA Metering Equipment, Ammeter, Switchboard Type.....	1,491.58	
26 24 19 00-0403 EA Metering Equipment, Voltmeter/Ammeter, Switch .....	828.42	
26 24 19 00-0404 EA Metering Equipment, Control Switch, 4 Circuits.....	879.27	
26 24 19 00-0405 EA Add For Additional Circuits .....	107.32	
26 24 19 00-0406 EA Metering Equipment, Indicating Wattmeter .....	3,076.39	
26 24 19 00-0407 EA Metering Equipment, Indicating Power Factor .....	3,222.58	
26 24 19 00-0408 EA Metering Equipment, Integrating Watt-hour .....	2,841.21	
26 24 19 00-0409 EA Add For Demand Attachment .....	702.44	
26 24 19 00-0410 EA 800 Amperes, Metering Equipment, Current Transformer .....	849.61	
26 24 19 00-0411 EA 1,000 Amperes, Metering Equipment, Current Transformer .....	1,466.16	
26 24 19 00-0412 EA 2,000 Amperes, Metering Equipment, Current Transformer .....	1,707.69	
26 24 19 00-0413 EA Metering Equipment, Potential Transformer .....	1,423.78	
26 24 19 00-0414 EA Metering Equipment, Surge Arrester .....	1,531.84	
26 24 19 00-0415 EA Metering Equipment, Ground Detector System .....	1,171.65	
<b>26 24 19 00-0416 Current Limiting Reactors (26 24 19 00-0268)</b>		
26 24 19 00-0417 EA 600 Amperes, Current Limiting Reactors.....	26,151.40	
26 24 19 00-0418 EA 800 Amperes, Current Limiting Reactors.....	38,084.05	
26 24 19 00-0419 EA 1,000 Amperes, Current Limiting Reactors.....	50,044.24	

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26 24 19 00-0420	EA	1,200 Amperes, Current Limiting Reactors.....	76,176.57	
<b>26 24 19 00-0421 Incoming Line Cable Space Requirements, Main Lugs Only (26 24 19 00-0268)</b>				
26 24 19 00-0422	EA	Incoming Line Cable Space Requirement, 350 MCC, 2 Screw.....	468.27	
26 24 19 00-0423	EA	Incoming Line Cable Space Requirement, 350 MCC, 2 Crimp.....	468.27	
26 24 19 00-0424	EA	Incoming Line Cable Space Requirement, 350 MCC, 4 Screw.....	647.38	
26 24 19 00-0425	EA	Incoming Line Cable Space Requirement, 350 MCC, 4 Crimp.....	1,184.70	
26 24 19 00-0426	EA	Incoming Line Cable Space Requirement, 600 MCC, 2 Screw.....	647.38	
26 24 19 00-0427	EA	Incoming Line Cable Space Requirement, 600 MCC, 2 Crimp.....	826.48	
26 24 19 00-0428	EA	Incoming Line Cable Space Requirement, 600 MCC, 4 Screw.....	826.48	
26 24 19 00-0429	EA	Incoming Line Cable Space Requirement, 600 MCC, 4 Crimp.....	1,182.54	
26 24 19 00-0430	EA	Incoming Line Cable Space Requirement, 750 MCC, 2 Screw.....	826.48	
26 24 19 00-0431	EA	Incoming Line Cable Space Requirement, 750 MCC, 2 Crimp.....	1,182.54	
26 24 19 00-0432	EA	Incoming Line Cable Space Requirement, 750 MCC, 4 Screw.....	1,005.59	
26 24 19 00-0433	EA	Incoming Line Cable Space Requirement, 750 MCC, 4 Crimp.....	3,260.62	
26 24 19 00-0434	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 2 Screw.....	1,005.59	
26 24 19 00-0435	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 2 Crimp.....	1,182.54	
26 24 19 00-0436	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 4 Screw.....	3,260.62	
26 24 19 00-0437	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 4 Crimp.....	3,260.62	
26 24 19 00-0438	EA	Bus Duct Transition Pull Box.....	994.78	
26 24 19 00-0439	EA	Throat And Transition To Substation.....	1,920.41	
26 24 19 00-0440	EA	Service Entrance Label.....	415.89	
26 24 19 00-0441	EA	Type W To 5 Star - 10" Transition.....	869.32	
26 24 19 00-0442	EA	600 Amperes, Sub Feed Lugs On Main Bus.....	466.34	
<b>26 24 19 00-0443 Standard Structures And Structure Options/Modifications (26 24 19 00-0268)</b>				
26 24 19 00-0444	EA	Standard Structure Add For Each Additional 4" Of Structure Width.....	274.63	
26 24 19 00-0445	EA	Standard Structure Add For 8" Vertical Wireway In Lieu Of 4".....	274.63	
26 24 19 00-0446	EA	Standard Structure Single Corner Section "L", 16" Depth.....	849.56	
26 24 19 00-0447	EA	Standard Structure Single Corner Section "L", 21" Depth.....	958.23	
26 24 19 00-0448	EA	Standard Structure Unused Space/Future Space.....	81.99	
26 24 19 00-0449	EA	Standard Structure NEMA 12 Dustproof.....	221.28	
26 24 19 00-0450	EA	Standard Structure Bottom Plate For NEMA 1 Gasket Enclosure.....	46.43	
26 24 19 00-0451	EA	Standard Structure 150 Watt Space.....	199.55	
26 24 19 00-0452	EA	Standard Structure Thermostat For Space Heater Control.....	567.81	
26 24 19 00-0453	EA	Standard Structure Rear Hinged Structure Door, 72" High.....	199.55	
26 24 19 00-0454	EA	Standard Structure NEMA 2 Drip Shield On Top Of MCC.....	366.83	
26 24 19 00-0455	EA	Standard Structure NEMA 3R N-Walk In Front Mounted.....	5,233.19	
26 24 19 00-0456	EA	Standard Structure NEMA 3R N-Walk In Back-to-back.....	6,048.81	
26 24 19 00-0457	EA	Standard Structure NEMA 3R Walk-In Aisle Front Mounted.....	6,054.66	
<b>26 24 19 00-0458 Installation Hours For Vertical Sections (26 24 19 00-0268)</b>				
26 24 19 00-0459	EA	Install Vertical Section, 230/480 Volt, 1 Section, 600 Amperes.....	594.01	297.01
26 24 19 00-0460	EA	Install Vertical Section, 230/480 Volt, 2 Section, 600 Amperes.....	891.01	445.53
26 24 19 00-0461	EA	Install Vertical Section, 230/480 Volt, 3 Section, 600 Amperes.....	990.05	495.03
26 24 19 00-0462	EA	Install Vertical Section, 230/480 Volt, 4 Section, 600 Amperes.....	1,188.17	594.03
26 24 19 00-0463	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 600 Amperes.....	99.00	49.50
26 24 19 00-0464	EA	Install Vertical Section, 230/480 Volt, 1 Section, 800 Amperes.....	594.01	297.01
26 24 19 00-0465	EA	Install Vertical Section, 230/480 Volt, 2 Section, 800 Amperes.....	891.01	445.53
26 24 19 00-0466	EA	Install Vertical Section, 230/480 Volt, 3 Section, 800 Amperes.....	990.05	495.03
26 24 19 00-0467	EA	Install Vertical Section, 230/480 Volt, 4 Section, 800 Amperes.....	1,188.17	594.03
26 24 19 00-0468	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 800 Amperes.....	99.00	49.50
26 24 19 00-0469	EA	Install Vertical Section, 230/480 Volt, 1 Section, 1,200 Amperes.....	693.05	346.51
26 24 19 00-0470	EA	Install Vertical Section, 230/480 Volt, 2 Section, 1,200 Amperes.....	891.01	445.53
26 24 19 00-0471	EA	Install Vertical Section, 230/480 Volt, 3 Section, 1,200 Amperes.....	1,188.17	594.03
26 24 19 00-0472	EA	Install Vertical Section, 230/480 Volt, 4 Section, 1,200 Amperes.....	1,385.89	692.94
26 24 19 00-0473	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 1,200 Amperes.....	148.50	74.25
26 24 19 00-0474	EA	Install Vertical Section, 230/480 Volt, 1 Section, 1,600 Amperes.....	792.04	396.01
26 24 19 00-0475	EA	Install Vertical Section, 230/480 Volt, 2 Section, 1,600 Amperes.....	1,089.14	544.53
26 24 19 00-0476	EA	Install Vertical Section, 230/480 Volt, 3 Section, 1,600 Amperes.....	1,385.89	692.94
26 24 19 00-0477	EA	Install Vertical Section, 230/480 Volt, 4 Section, 1,600 Amperes.....	1,583.81	791.94
26 24 19 00-0478	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 1,600 Amperes.....	198.01	99.00
26 24 19 00-0479	EA	Install Vertical Section, 230/480 Volt, 1 Section, 2,000 Amperes.....	792.04	396.01
26 24 19 00-0480	EA	Install Vertical Section, 230/480 Volt, 2 Section, 2,000 Amperes.....	1,188.17	594.03
26 24 19 00-0481	EA	Install Vertical Section, 230/480 Volt, 3 Section, 2,000 Amperes.....	1,484.92	742.44
26 24 19 00-0482	EA	Install Vertical Section, 230/480 Volt, 4 Section, 2,000 Amperes.....	1,683.19	841.64
26 24 19 00-0483	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 2,000 Amperes.....	198.01	99.00
<b>26 24 19 00-0484 Motor Control Centers (26 24 19)</b>				
<b>26 24 19 00-0485 2.4 KV Motor Control Centers (26 24 19 00-0484)</b>				
26 24 19 00-0486	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 100 To 300 Hp.....	16,329.65	198.01
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>118.80</i>	
26 24 19 00-0487	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 400 Hp.....	16,329.65	198.01
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>118.80</i>	
26 24 19 00-0488	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 600 Hp.....	16,329.65	198.01
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>118.80</i>	
26 24 19 00-0489	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 700 Hp.....	16,379.19	222.76
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>133.67</i>	
26 24 19 00-0490	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,000 Hp.....	17,393.46	247.51
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>148.51</i>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0491	EA		2,400 KV CL 11-202, Squirrel Cage Motor Control, 1,250 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,442.94 163.35	272.26
26 24 19 00-0492	EA		2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,500 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,492.44 178.20	297.01
26 24 19 00-0493	EA		2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,750 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,591.48 207.92	346.51
26 24 19 00-0494	EA		2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,000 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,690.47 237.61	396.01
26 24 19 00-0495	EA		2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,250 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29,815.20 267.30	445.53
26 24 19 00-0496	EA		2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,500 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31,999.74 297.02	495.03
26 24 19 00-0497	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 100 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24,238.97 118.80	198.01
26 24 19 00-0498	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 150 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,251.02 127.72	212.86
26 24 19 00-0499	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 200 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28,687.84 139.60	232.66
26 24 19 00-0500	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 300 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31,933.52 148.51	247.51
26 24 19 00-0501	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 400 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34,741.44 172.28	287.12
26 24 19 00-0502	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 600 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38,065.20 184.15	306.91
26 24 19 00-0503	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 700 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41,387.00 196.02	326.72
26 24 19 00-0504	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 1,000 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45,327.05 213.86	356.42
26 24 19 00-0505	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 1,250 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52,748.38 237.61	396.01
26 24 19 00-0506	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 1,500 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57,150.21 252.48	420.78
26 24 19 00-0507	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 1,750 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	87,294.84 297.02	495.03
26 24 19 00-0508	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 2,000 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	93,007.24 326.74	544.53
26 24 19 00-0509	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 2,250 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	97,978.95 356.45	594.03
26 24 19 00-0510	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 2,500 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	106,689.06 386.19	643.63
26 24 19 00-0511	EA		2.4 KV CL 14-202, Synchronous Motor Control, 100 To 300 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,868.78 118.80	198.01
26 24 19 00-0512	EA		2.4 KV CL 14-202, Synchronous Motor Control, 400 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,918.32 133.67	222.76
26 24 19 00-0513	EA		2.4 KV CL 14-202, Synchronous Motor Control, 600 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,967.80 148.51	247.51
26 24 19 00-0514	EA		2.4 KV CL 14-202, Synchronous Motor Control, 700 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,017.28 163.35	272.26
26 24 19 00-0515	EA		2.4 KV CL 14-202, Synchronous Motor Control, 1,000 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,070.68 178.20	297.01
26 24 19 00-0516	EA		2,400 Volt CL 14-202, Synchronous Motor Control, 1,250 HP ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,120.22 193.07	321.76
26 24 19 00-0517	EA		2.4 KV CL 14-202, Synchronous Motor Control, 1,500 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,169.72 207.92	346.51
26 24 19 00-0518	EA		2.4 KV CL 14-202, Synchronous Motor Control, 1,750 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,367.68 267.30	445.53
26 24 19 00-0519	EA		2.4 KV CL 14-202, Synchronous Motor Control, 2,000 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39,844.74 297.02	495.03
26 24 19 00-0520	EA		2.4 KV CL 14-202, Synchronous Motor Control, 2,250 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39,943.83 326.74	544.53
26 24 19 00-0521	EA		2.4 KV CL 14-202, Synchronous Motor Control, 2,500 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42,116.67 356.45	594.03
26 24 19 00-0522	EA		Add For Reversing Starters, 100 To 700 HP ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,988.31 59.40	
26 24 19 00-0523	EA		Add For Reversing Starters, 1,000 To 1,500 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,261.18 59.40	
26 24 19 00-0524	EA		Add For Reversing Starters, 1,750 To 2,500 HP ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,182.58 59.40	
<b>26 24 19 00-0525</b>			<b>4.8 KV Motor Control Centers</b> <small>(26 24 19 00-0484)</small>		
26 24 19 00-0526	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 100 To 600 HP ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,765.31 178.20	297.01
26 24 19 00-0527	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 700 HP ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,814.85 193.07	321.76
26 24 19 00-0528	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,000 HP ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,864.35 207.92	346.51
26 24 19 00-0529	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,250 HP ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,913.88 222.77	371.26
26 24 19 00-0530	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,500 HP ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,918.38 237.61	396.01
26 24 19 00-0531	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,750 HP ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,967.94 252.48	420.78
26 24 19 00-0532	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,000 HP ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,017.35 267.30	445.53
26 24 19 00-0533	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,250 HP ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,066.94 282.18	470.28
26 24 19 00-0534	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,500 HP ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,116.39 297.02	495.03

**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 24 Switchboards and Panelboards**

MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

26 24 19 00-0535	EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32,404.18 386.19	643.63
26 24 19 00-0536	EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32,502.78 415.77	692.94
26 24 19 00-0537	EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34,677.57 445.48	742.44
26 24 19 00-0538	EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34,776.46 475.14	791.94
26 24 19 00-0539	EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 100 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24,713.74 178.20	297.01
26 24 19 00-0540	EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 150 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,036.15 193.07	321.76
26 24 19 00-0541	EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 200 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29,198.19 207.92	346.51
26 24 19 00-0542	EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 300 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32,453.94 222.77	371.26
26 24 19 00-0543	EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 400 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35,232.09 237.61	396.01
26 24 19 00-0544	EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 600 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38,565.83 252.48	420.78
26 24 19 00-0545	EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 700 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41,694.77 267.30	445.53
26 24 19 00-0546	EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 1,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45,827.66 282.18	470.28
26 24 19 00-0547	EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 1,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53,088.67 297.02	495.03
26 24 19 00-0548	EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 1,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58,022.56 311.87	519.78
26 24 19 00-0549	EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 1,750 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	63,005.96 341.58	569.28
26 24 19 00-0550	EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 2,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67,127.13 356.45	594.03
26 24 19 00-0551	EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 2,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71,014.25 371.27	618.78
26 24 19 00-0552	EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 2,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76,453.14 386.19	643.63
26 24 19 00-0553	EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 3,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	121,207.93 475.14	791.94
26 24 19 00-0554	EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 3,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	134,794.87 504.96	841.64
26 24 19 00-0555	EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 4,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	162,034.48 534.60	891.04
26 24 19 00-0556	EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 4,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	171,399.76 534.60	891.04
26 24 19 00-0557	EA 4.8 KV CL 14-202, Synchronous Motor Control, 100 To 600 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24,399.58 207.92	346.51
26 24 19 00-0558	EA 4.8 KV CL 14-202, Synchronous Motor Control, 700 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24,449.11 222.77	371.26
26 24 19 00-0559	EA 4.8 KV CL 14-202, Synchronous Motor Control, 1,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24,498.57 237.61	396.01
26 24 19 00-0560	EA 4.8 KV CL 14-202, Synchronous Motor Control, 1,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24,548.13 252.48	420.78
26 24 19 00-0561	EA 4.8 KV CL 14-202, Synchronous Motor Control, 1,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26,651.86 267.30	445.53
26 24 19 00-0562	EA 4.8 KV CL 14-202, Synchronous Motor Control, 1,750 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26,701.45 282.18	470.28
26 24 19 00-0563	EA 4.8 KV CL 14-202, Synchronous Motor Control, 2,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26,750.90 297.02	495.03
26 24 19 00-0564	EA 4.8 KV CL 14-202, Synchronous Motor Control, 2,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26,800.42 311.87	519.78
26 24 19 00-0565	EA 4.8 KV CL 14-202, Synchronous Motor Control, 2,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26,849.99 326.74	544.53
26 24 19 00-0566	EA 4.8 KV CL 14-202, Synchronous Motor Control, 3,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27,146.74 415.77	692.94
26 24 19 00-0567	EA 4.8 KV CL 14-202, Synchronous Motor Control, 3,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43,896.67 445.48	742.44
26 24 19 00-0568	EA 4.8 KV CL 14-202, Synchronous Motor Control, 4,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46,061.57 475.14	791.94
26 24 19 00-0569	EA 4.8 KV CL 14-202, Synchronous Motor Control, 4,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46,061.57 475.14	791.94
26 24 19 00-0570	EA Add For Reversing Starters, 100 To 1,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,930.22 59.40	
26 24 19 00-0571	EA Add For Reversing Starters, 1,500 To 2,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,232.33 59.40	
26 24 19 00-0572	EA Add For Reversing Starters, 3,000 To 4,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,681.08 59.40	

**26 24 19 00-0573 2.4/4.8 KV Motor Control Centers, Accessories (2624 19 00-0484)**

26 24 19 00-0574	EA 2.4/4.8 KV Load Break Disconnect Switch 600 Amperes	12,911.94	198.01
26 24 19 00-0575	EA 2.4/4.8 KV Load Break Disconnect Switch 1,200 Amperes	15,507.39	297.01
26 24 19 00-0576	EA 2.4/4.8 KV NEMA 3 Weather Resistant	5,094.85	
26 24 19 00-0577	EA 2.4/4.8 KV Space Heaters	231.75	14.85
26 24 19 00-0578	EA 2.4/4.8 KV Potential Transformer Fused	1,476.02	
26 24 19 00-0579	EA 2.4/4.8 KV Current Transformer 600 Volt, 5 KVA	791.96	
26 24 19 00-0580	EA 2.4/4.8 KV Control Transformer 4 KVA Max	2,358.61	
26 24 19 00-0581	EA 2.4/4.8 KV Pushbuttons Each	151.05	
26 24 19 00-0582	EA 2.4/4.8 KV Selector Switch Each	500.64	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 24 19 00-0583	EA			2.4/4.8 KV Indicating Light.....	151.05	
26 24 19 00-0584	EA			2.4/4.8 KV Push To Test Light.....	457.48	
26 24 19 00-0585	EA			2.4/4.8 KV AC Voltmeter, Switchboard Type.....	1,217.07	
26 24 19 00-0586	EA			2.4/4.8 KV AC Ammeter, Switchboard Type.....	1,217.07	
26 24 19 00-0587	EA			2.4/4.8 KV Power Factor Meter.....	3,640.41	
26 24 19 00-0588	EA			2.4/4.8 KV Watt Hr Meter, 2 Element Drawout.....	2,509.66	
26 24 19 00-0589	EA			2.4/4.8 KV Operation Counter.....	487.18	14.85
26 24 19 00-0590	EA			2.4/4.8 KV Phase Failure Protection.....	3,512.83	49.50
26 24 19 00-0591	EA			2.4/4.8 KV Ground Protection.....	6,721.79	24.75
26 24 19 00-0592	EA			2.4/4.8 KV Synchronous Motor DC Protection.....	2,708.03	24.75
26 24 19 00-0593	EA			2.4/4.8 KV Lightning Arresters.....	4,308.74	14.85
26 24 19 00-0594	EA			2.4/4.8 KV Portable Lifting Mechanism.....	6,237.33	
26 24 19 00-0595	EA			2.4/4.8 KV Auxiliary Timing Relay.....	569.32	49.50
26 24 19 00-0596	EA			2.4/4.8 KV Auxiliary Control Relay.....	410.02	49.50

**26 24 19 00-0597 Incoming Section And Feeder Air Circuit Breakers** (26 24 19 00-0484)

Note: 3 Pole. Includes structure.

26 24 19 00-0598	EA			Incoming Section MCC, Air Circuit Breaker, 70 - 100 Amperes, 14,000 Ampere IC, 3-Pole, With Structure Included.....	1,188.82	296.94
26 24 19 00-0599	EA			Incoming Section MCC, Air Circuit Breaker, 125 - 225 Amperes, 22,000 Ampere IC, 3-Pole, With Structure Included.....	2,060.54	525.62
26 24 19 00-0600	EA			Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included.....	2,450.42	673.00
26 24 19 00-0601	EA			Incoming Section MCC, Air Circuit Breaker, 125 - 600 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included.....	3,942.14	1,083.74
26 24 19 00-0602	EA			Incoming Section MCC, Air Circuit Breaker, 125 - 1,200 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included.....	4,650.02	1,192.12
26 24 19 00-0603	EA			Incoming Section MCC, Air Circuit Breaker, 125 - 2,000 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included.....	6,058.43	1,322.17
26 24 19 00-0604	EA			Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 45,000 Ampere IC, 3-Pole, With Structure Included.....	7,047.91	1,549.75
26 24 19 00-0605	EA			Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 100,000 Ampere IC, 3-Pole, With Structure Included.....	12,427.14	1,805.51

**26 24 19 00-0606 Main Lugs Only** (26 24 19 00-0484)

26 24 19 00-0607	EA			600 Amperes Incoming Section, Main Lugs.....	912.58	379.31
26 24 19 00-0608	EA			800 Amperes Incoming Section, Main Lugs.....	989.30	379.31
26 24 19 00-0609	EA			1,200 Amperes Incoming Section, Main Lugs.....	1,378.40	596.05
26 24 19 00-0610	EA			2,000 Amperes Incoming Section, Main Lugs.....	3,484.32	1,083.74
26 24 19 00-0611	EA			3,000 Amperes Incoming Section, Main Lugs.....	5,313.92	1,571.42
26 24 19 00-0612	EA			4,000 Amperes Incoming Section, Main Lugs.....	7,613.98	2,167.48

**26 24 19 00-0613 Incoming Main Circuit Breaker Structure** (26 24 19 00-0484)

Note: Includes structure, main breaker, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.

26 24 19 00-0614	EA			225 Amperes, Main Circuit Breaker Section.....	6,620.20	524.43
				<i>For 800 Amperes, Tin Plated Copper Bus, Add</i>	182.00	
				<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i>	334.00	
				<i>For NEMA 1 With Gaskets, Add</i>	97.00	
				<i>For NEMA 12, Add</i>	245.00	
				<i>For 20" Cabinet Depth, Add</i>	108.00	
26 24 19 00-0615	EA			400 Amperes, Main Circuit Breaker Section.....	14,159.35	673.66
				<i>For 800 Amperes, Tin Plated Copper Bus, Add</i>	182.00	
				<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i>	334.00	
				<i>For NEMA 1 With Gaskets, Add</i>	97.00	
				<i>For NEMA 12, Add</i>	245.00	
				<i>For 20" Cabinet Depth, Add</i>	108.00	
26 24 19 00-0616	EA			600 Amperes, Main Circuit Breaker Section.....	14,617.16	1,049.27
				<i>For 800 Amperes, Tin Plated Copper Bus, Add</i>	182.00	
				<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i>	334.00	
				<i>For NEMA 1 With Gaskets, Add</i>	97.00	
				<i>For NEMA 12, Add</i>	245.00	
				<i>For 20" Cabinet Depth, Add</i>	108.00	
26 24 19 00-0617	EA			800 Amperes, Main Circuit Breaker Section.....	20,875.50	1,049.27
				<i>For 800 Amperes, Tin Plated Copper Bus, Add</i>	182.00	
				<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i>	334.00	
				<i>For NEMA 1 With Gaskets, Add</i>	97.00	
				<i>For NEMA 12, Add</i>	245.00	
				<i>For 20" Cabinet Depth, Add</i>	108.00	
26 24 19 00-0618	EA			1,200 Amperes, Main Circuit Breaker Section.....	30,294.96	1,187.24
				<i>For 800 Amperes, Tin Plated Copper Bus, Add</i>	182.00	
				<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i>	334.00	
				<i>For NEMA 1 With Gaskets, Add</i>	97.00	
				<i>For NEMA 12, Add</i>	245.00	
				<i>For 20" Cabinet Depth, Add</i>	108.00	

**26 24 19 00-0619 Incoming Fusible Main Disconnect Section** (26 24 19 00-0484)

Note: Includes structure, fuses, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.

**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 24 Switchboards and Panelboards**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0620	EA		200 Amperes, Fusible Main Disconnect Section..... <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gaskets, Add</i> <i>For NEMA 12, Add</i> <i>For 20" Cabinet Depth, Add</i>	5,731.56 182.00 334.00 97.00 245.00 108.00	525.07
26 24 19 00-0621	EA		400 Amperes, Fusible Main Disconnect Section..... <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gaskets, Add</i> <i>For NEMA 12, Add</i> <i>For 20" Cabinet Depth, Add</i>	7,926.04 182.00 334.00 97.00 245.00 108.00	673.98
26 24 19 00-0622	EA		600 Amperes, Fusible Main Disconnect Section..... <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gaskets, Add</i> <i>For NEMA 12, Add</i> <i>For 20" Cabinet Depth, Add</i>	15,548.85 182.00 334.00 97.00 245.00 108.00	1,050.15
26 24 19 00-0623	EA		800 Amperes, Fusible Main Disconnect Section..... <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gaskets, Add</i> <i>For NEMA 12, Add</i> <i>For 20" Cabinet Depth, Add</i>	18,116.14 182.00 334.00 97.00 245.00 108.00	1,050.15
26 24 19 00-0624	EA		1,200 Amperes, Fusible Main Disconnect Section..... <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gaskets, Add</i> <i>For NEMA 12, Add</i> <i>For 20" Cabinet Depth, Add</i>	25,584.56 182.00 334.00 97.00 245.00 108.00	1,188.32
26 24 19 00-0625			<b>Circuit Breaker Combination Starters</b> <small>(26 24 19 00-0484)</small>		
26 24 19 00-0626			<b>Class I, Type A</b> <small>(26 24 19 00-0625)</small>		
26 24 19 00-0627	EA		Size 1, Class I, Type A Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	999.94 125.43	220.00
26 24 19 00-0628	EA		Size 2, Class I, Type A Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,165.47 138.94	220.00
26 24 19 00-0629	EA		Size 3, Class I, Type A Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,696.76 186.85	312.12
26 24 19 00-0630	EA		Size 4, Class I, Type A Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,782.00 246.31	410.74
26 24 19 00-0631	EA		Size 5, Class I, Type A Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,027.70 307.88	513.69
26 24 19 00-0632			<b>Class I, Type B</b> <small>(26 24 19 00-0625)</small>		
26 24 19 00-0633	EA		Size 1, Class I, Type B Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	949.75 108.37	191.82
26 24 19 00-0634	EA		Size 2, Class I, Type B Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,109.15 122.04	191.82
26 24 19 00-0635	EA		Size 3, Class I, Type B Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,629.68 166.73	277.44
26 24 19 00-0636	EA		Size 4, Class I, Type B Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,713.58 225.78	376.06
26 24 19 00-0637	EA		Size 5, Class I, Type B Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,972.52 291.33	480.10
26 24 19 00-0638			<b>Class I, Type C</b> <small>(26 24 19 00-0625)</small>		
26 24 19 00-0639	EA		Size 1, Class I, Type C Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,005.86 98.17	177.73
26 24 19 00-0640	EA		Size 2, Class I, Type C Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,174.72 115.29	177.73
26 24 19 00-0641	EA		Size 3, Class I, Type C Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,749.07 159.37	265.52
26 24 19 00-0642	EA		Size 4, Class I, Type C Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,839.14 220.28	367.39
26 24 19 00-0643	EA		Size 5, Class I, Type C Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,090.38 282.23	471.43
26 24 19 00-0644			<b>Class II, Type B</b> <small>(26 24 19 00-0625)</small>		
26 24 19 00-0645	EA		Size 1, Class II, Type B Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	995.39 148.87	263.35
26 24 19 00-0646	EA		Size 2, Class II, Type B Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,385.28 166.22	263.35
26 24 19 00-0647	EA		Size 3, Class II, Type B Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,969.47 210.03	351.13
26 24 19 00-0648	EA		Size 4, Class II, Type B Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,233.52 270.93	449.75
26 24 19 00-0649	EA		Size 5, Class II, Type B Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,871.72 330.41	549.46
26 24 19 00-0650			<b>Class II, Type C</b> <small>(26 24 19 00-0625)</small>		



**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0694			<b>Fused Disconnect Type</b> (26 24 19 00-0687)		
26 24 19 00-0695	EA		Fused Disconnect Type, Size 1 Space Complete With Bus And Hardware.....	280.02	73.69
26 24 19 00-0696	EA		Fused Disconnect Type, Size 2 Space Complete With Bus And Hardware.....	369.68	107.30
26 24 19 00-0697	EA		Fused Disconnect Type, Size 3 Space Complete With Bus And Hardware.....	514.95	140.89
26 24 19 00-0698	EA		Fused Disconnect Type, Size 4 Space Complete With Bus And Hardware.....	893.49	214.58
26 24 19 00-0699	EA		Fused Disconnect Type, Size 5 Space Complete With Bus And Hardware.....	1,243.45	312.12
26 24 19 00-0700			<b>Blank Space For Future Expansion</b> (26 24 19 00-0687)		
			Note: Factory modified no labor costs.		
26 24 19 00-0701	EA		Blank Space For Future Expansion, Size 1 Factory Modified, No Crew Costs.....	133.17	
26 24 19 00-0702	EA		Blank Space For Future Expansion, Size 2 Factory Modified, No Crew Costs.....	133.17	
26 24 19 00-0703	EA		Blank Space For Future Expansion, Size 3 Factory Modified, No Crew Costs.....	201.90	
26 24 19 00-0704	EA		Blank Space For Future Expansion, Size 4 Factory Modified, No Crew Costs.....	201.90	
26 24 19 00-0705	EA		Blank Space For Future Expansion, Size 5 Factory Modified, No Crew Costs.....	401.65	
26 24 19 00-0706			<b>Structure Combination Of Starters To 72" High</b> (26 24 19 00-0687)		
26 24 19 00-0707	EA		Structure Combination Of Starters To 72" High.....	3,305.57	570.37
26 24 19 00-0708			<b>Motor Control Center Basic Distribution Section</b> (26 24 19 00-0484)		
26 24 19 00-0709	EA		20" Wide Basic Section With Vertical Wireway.....	5,454.22	1,485.37
			For 20" Cabinet Depth, Add	108.00	
			For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
			For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
			For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
			For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
			For NEMA 1 With Gasket, Add	97.00	
			For NEMA 12, Add	245.00	
			For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
26 24 19 00-0710	EA		25"-35" Wide Basic Section (No Vertical Wireway).....	5,454.22	1,485.37
			For 20" Cabinet Depth, Add	108.00	
			For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
			For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
			For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
			For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
			For NEMA 1 With Gasket, Add	97.00	
			For NEMA 12, Add	245.00	
			For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
26 24 19 00-0711	EA		25" Wide Basic Section With 9" Wide Vertical Wireway.....	6,039.41	1,485.37
			For 20" Cabinet Depth, Add	108.00	
			For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
			For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
			For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
			For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
			For NEMA 1 With Gasket, Add	97.00	
			For NEMA 12, Add	245.00	
			For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
26 24 19 00-0712	EA		Corner Section.....	6,039.41	1,485.37
			For 20" Cabinet Depth, Add	108.00	
			For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
			For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
			For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
			For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
			For NEMA 1 With Gasket, Add	97.00	
			For NEMA 12, Add	245.00	
			For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
26 24 19 00-0713			<b>Motor Control Center Starters With HMCP Circuit Breaker</b> (26 24 19 00-0484)		
			Note: Includes door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.		
26 24 19 00-0714			<b>FVNR Starters With HMCP Circuit Breaker</b> (26 24 19 00-0713)		
26 24 19 00-0715	EA		Class 1, Type A, Size 1 FVNR Starters With HMCP Circuit Breaker.....	1,435.45	208.62
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	125.16	
26 24 19 00-0716	EA		Class 1, Type A, Size 2 FVNR Starters With HMCP Circuit Breaker.....	1,597.82	231.38
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	138.82	
26 24 19 00-0717	EA		Class 1, Type A, Size 3 FVNR Starters With HMCP Circuit Breaker.....	2,780.41	311.03
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	186.64	
26 24 19 00-0718	EA		Class 1, Type A, Size 4 FVNR Starters With HMCP Circuit Breaker.....	4,037.56	410.08
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	246.08	
26 24 19 00-0719	EA		Class 1, Type A, Size 5 FVNR Starters With HMCP Circuit Breaker.....	9,252.53	512.50
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	307.53	
26 24 19 00-0720	EA		Class 1, Type A, Size 6 FVNR Starters With HMCP Circuit Breaker.....	21,719.07	512.50
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	307.53	
26 24 19 00-0721	EA		Class 1, Type B, Size 1 FVNR Starters With HMCP Circuit Breaker.....	1,452.68	180.45
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	108.26	
26 24 19 00-0722	EA		Class 1, Type B, Size 2 FVNR Starters With HMCP Circuit Breaker.....	1,638.41	203.20
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	121.91	
26 24 19 00-0723	EA		Class 1, Type B, Size 3 FVNR Starters With HMCP Circuit Breaker.....	2,847.37	277.44
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	166.46	
26 24 19 00-0724	EA		Class 1, Type B, Size 4 FVNR Starters With HMCP Circuit Breaker.....	4,044.05	376.06
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	225.65	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 24 19 00-0725	EA	Class 1, Type B, Size 5 FVNR Starters With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,273.10 291.33	485.52
26 24 19 00-0726	EA	Class 1, Type B, Size 6 FVNR Starters With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,873.78 291.33	485.52
<b>26 24 19 00-0727</b>	<b>Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker</b> (26 24 19 00-0713)			
26 24 19 00-0728	EA	Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,307.42 156.61	261.08
26 24 19 00-0729	EA	Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,834.42 173.31	288.81
26 24 19 00-0730	EA	Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,681.22 232.90	388.20
26 24 19 00-0731	EA	Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,070.90 307.88	513.15
26 24 19 00-0732	EA	Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,608.13 365.22	642.01
26 24 19 00-0733	EA	Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,348.06 135.24	225.42
26 24 19 00-0734	EA	Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,899.29 152.50	254.14
26 24 19 00-0735	EA	Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,771.14 208.41	347.34
26 24 19 00-0736	EA	Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,097.24 282.23	470.34
26 24 19 00-0737	EA	Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,650.90 364.49	607.44
<b>26 24 19 00-0738</b>	<b>Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker</b> (26 24 19 00-0713)			
26 24 19 00-0739	EA	Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,531.16 156.61	261.08
26 24 19 00-0740	EA	Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,611.52 173.31	288.81
26 24 19 00-0741	EA	Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,833.54 232.90	388.20
26 24 19 00-0742	EA	Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,307.40 307.88	513.15
26 24 19 00-0743	EA	Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,702.46 365.22	642.01
26 24 19 00-0744	EA	Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,571.79 135.24	225.42
26 24 19 00-0745	EA	Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,676.39 152.50	254.14
26 24 19 00-0746	EA	Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,923.45 208.41	347.34
26 24 19 00-0747	EA	Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,333.74 282.23	470.34
26 24 19 00-0748	EA	Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,745.23 364.49	607.44
<b>26 24 19 00-0749</b>	<b>Motor Control Center Starters With Fusible Disconnect</b> (26 24 19 00-0484) Note: Includes fuses, door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.			
<b>26 24 19 00-0750</b>	<b>FVNR Starters With Fusible Disconnect</b> (26 24 19 00-0749)			
26 24 19 00-0751	EA	Class 1, Type A, Size 1 FVNR Starters With Fusible Disconnect	1,154.08	203.42
26 24 19 00-0752	EA	Class 1, Type A, Size 2 FVNR Starters With Fusible Disconnect	1,503.05	276.46
26 24 19 00-0753	EA	Class 1, Type A, Size 3 FVNR Starters With Fusible Disconnect	2,517.90	360.23
26 24 19 00-0754	EA	Class 1, Type A, Size 4 FVNR Starters With Fusible Disconnect	4,257.39	507.40
26 24 19 00-0755	EA	Class 1, Type A, Size 5 FVNR Starters With Fusible Disconnect	8,597.31	645.04
26 24 19 00-0756	EA	Class 1, Type A, Size 6 FVNR Starters With Fusible Disconnect	21,907.97	645.04
26 24 19 00-0757	EA	Class 1, Type B, Size 1 FVNR Starters With Fusible Disconnect	1,180.62	180.34
26 24 19 00-0758	EA	Class 1, Type B, Size 2 FVNR Starters With Fusible Disconnect	1,542.38	247.63
26 24 19 00-0759	EA	Class 1, Type B, Size 3 FVNR Starters With Fusible Disconnect	2,595.63	332.06
26 24 19 00-0760	EA	Class 1, Type B, Size 4 FVNR Starters With Fusible Disconnect	4,277.99	480.42
26 24 19 00-0761	EA	Class 1, Type B, Size 5 FVNR Starters With Fusible Disconnect	8,602.15	610.26
26 24 19 00-0762	EA	Class 1, Type B, Size 6 FVNR Starters With Fusible Disconnect	22,047.05	610.26
<b>26 24 19 00-0763</b>	<b>Two Speed 2-Winding (TS2W) With Fusible Disconnect</b> (26 24 19 00-0749)			
26 24 19 00-0764	EA	Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect	1,999.35	254.68
26 24 19 00-0765	EA	Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect	2,786.80	345.60
26 24 19 00-0766	EA	Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect	4,324.74	450.07
26 24 19 00-0767	EA	Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect	9,101.18	636.05
26 24 19 00-0768	EA	Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect	14,841.08	744.31
26 24 19 00-0769	EA	Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect	2,051.74	225.42
26 24 19 00-0770	EA	Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect	2,848.45	309.30
26 24 19 00-0771	EA	Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect	4,427.24	415.51
26 24 19 00-0772	EA	Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect	9,139.87	599.42
26 24 19 00-0773	EA	Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect	14,868.10	701.94
<b>26 24 19 00-0774</b>	<b>Two Speed 1-Winding (TS1W) With Fusible Disconnect</b> (26 24 19 00-0749)			
26 24 19 00-0775	EA	Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect	2,336.44	254.68
26 24 19 00-0776	EA	Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect	3,575.83	345.60

**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 24 Switchboards and Panelboards**



MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 24 19 00-0777	EA	Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	6,499.43	450.07
26 24 19 00-0778	EA	Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	9,554.61	636.05
26 24 19 00-0779	EA	Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	18,103.12	744.31
26 24 19 00-0780	EA	Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	2,389.82	225.42
26 24 19 00-0781	EA	Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	3,637.48	309.30
26 24 19 00-0782	EA	Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	6,601.93	415.51
26 24 19 00-0783	EA	Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	9,593.31	599.42
26 24 19 00-0784	EA	Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	18,130.14	701.94

**26 24 19 00-0785 Tin Plated Copper Bus Bar And Ground Bus Bar Splice Kit (26 24 19 00-0484)**

Note: Per section. Labor is included in basic distribution section.

26 24 19 00-0786	EA	600 Amperes, Horizontal Tin Plated Copper Bus Kit .....	253.87	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add .....	8.15	
26 24 19 00-0787	EA	800 Amperes, Horizontal Tin Plated Copper Bus Kit .....	311.54	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add .....	8.15	
26 24 19 00-0788	EA	1,200 Amperes, Horizontal Tin Plated Copper Bus Kit .....	374.63	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add .....	9.77	
26 24 19 00-0789	EA	1,600 Amperes, Horizontal Tin Plated Copper Bus Kit .....	487.99	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add .....	9.77	
26 24 19 00-0790	EA	2,000 Amperes, Horizontal Tin Plated Copper Bus Kit .....	819.58	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add .....	11.40	
26 24 19 00-0791	EA	1/4" x 2" Horizontal Tin Plated Copper Ground Bus Kit .....	145.01	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add .....	6.51	

**26 24 19 00-0792 Disconnect Switch For Motor Control Centers (26 24 19 00-0484)**

**26 24 19 00-0793 3 Pole Circuit Breaker Disconnect For Motor Control Center (26 24 19 00-0792)**

Note: Includes door, unit support pan, inverse time (Thermal Magnetic) circuit breaker, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).

26 24 19 00-0794	EA	150 Amperes Rating, 15 To 100 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	800.87	156.60
26 24 19 00-0795	EA	150 Amperes Rating, 125 To 150 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	1,375.18	173.40
26 24 19 00-0796	EA	225 Amperes Rating, 70 To 225 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	1,683.45	233.55
26 24 19 00-0797	EA	400 Amperes Rating, 125 To 400 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	2,772.49	307.78
26 24 19 00-0798	EA	600 Amperes Rating, 300 To 600 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	4,751.56	384.73
26 24 19 00-0799	EA	800 Amperes Rating, 400 To 800 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	5,406.16	384.73
26 24 19 00-0800	EA	1,200 Amperes Rating, 600 To 1,200 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	11,056.20	481.72

**26 24 19 00-0801 Fusible Disconnect Switch For Motor Control Center (26 24 19 00-0792)**

Note: Includes door, unit support pan, fuses and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).

26 24 19 00-0802	EA	30 Amperes Switch Rating, Fusible Disconnect Switch With 30 Amperes Fuse Clips.....	796.73	152.27
26 24 19 00-0803	EA	60 Amperes Switch Rating, Fusible Disconnect Switch With 60 Amperes Fuse Clips.....	937.15	207.53
26 24 19 00-0804	EA	100 Amperes Switch Rating, Fusible Disconnect Switch With 100 Amperes Fuse Clips.....	1,285.76	265.52
26 24 19 00-0805	EA	200 Amperes Switch Rating, Fusible Disconnect Switch With 200 Amperes Fuse Clips.....	2,406.03	380.39
26 24 19 00-0806	EA	400 Amperes Switch Rating, Fusible Disconnect Switch With 400 Amperes Fuse Clips.....	4,289.32	483.79
26 24 19 00-0807	EA	600 Amperes Switch Rating, Fusible Disconnect Switch With 600 Amperes Fuse Clips.....	9,897.58	483.79
26 24 19 00-0808	EA	800 Amperes Switch Rating, Fusible Disconnect Switch With 800 Amperes Fuse Clips.....	12,235.12	604.73
26 24 19 00-0809	EA	1,200 Amperes Switch Rating, Fusible Disconnect Switch With 1,200 Amperes Fuse Clips.....	18,105.89	604.73

**26 24 19 00-0810 Control Circuit Transformer (26 24 19 00-0484)**

26 24 19 00-0811	EA	Control Circuit Transformer, Size 1 Factory Installed.....	71.04	
26 24 19 00-0812	EA	Control Circuit Transformer, Size 2 Factory Installed.....	71.04	
26 24 19 00-0813	EA	Control Circuit Transformer, Size 3 Factory Installed.....	136.82	
26 24 19 00-0814	EA	Control Circuit Transformer, Size 4 Factory Installed.....	136.82	
26 24 19 00-0815	EA	Control Circuit Transformer, Size 5 Factory Installed.....	190.08	
26 24 19 00-0816	EA	Control Circuit Fuse And Holder Small Dim, Dual Element Time Delay.....	51.51	12.27

**26 24 19 00-0817 Cover Mounted Control Devices (26 24 19 00-0484)**

26 24 19 00-0818	EA	Control Device, 2 Unit Push Button Station Cover Mounted.....	116.19	21.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add .....	13.55	
26 24 19 00-0819	EA	Control Device, 2-3 Unit Selector Switch Cover Mounted.....	130.12	21.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add .....	16.94	
26 24 19 00-0820	EA	Control Device, Pilot Light Cover Mounted .....	110.13	21.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add .....	10.15	
26 24 19 00-0821	EA	Control Device, Hand-Off-Auto Switch Cover Mounted With Pilot Light.....	295.41	73.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add .....	44.42	
26 24 19 00-0822	EA	Auxiliary Contact Add Per Starter .....	361.98	28.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add .....	16.85	

**26 24 19 00-0823 Extra Interlocks (26 24 19 00-0484)**

Note: Per contact.

26 24 19 00-0824	EA	Extra Interlocks, Class I, Type A Per Contact.....	75.41	14.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add .....	10.15	
26 24 19 00-0825	EA	Extra Interlocks, Class I, Type B Per Contact.....	105.11	14.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add .....	10.15	
26 24 19 00-0826	EA	Extra Interlocks, Class I, Type C Per Contact.....	117.32	14.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add .....	8.47	
26 24 19 00-0827	EA	Extra Interlocks, Class II, Type B Per Contact.....	105.73	14.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add .....	6.77	
26 24 19 00-0828	EA	Extra Interlocks, Class II, Type C Per Contact.....	112.08	14.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add .....	5.11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>26 24 19 00-0829</b>	<b>Special Cabinet Provisions</b> (26 24 19 00-0484)		
26 24 19 00-0830	EA Provisions For Bus Duct Entrance Special Cabinet Provisions.....	889.36	
<b>26 24 19 00-0831</b>	<b>Nameplate Requirements</b> (26 24 19 00-0484)		
26 24 19 00-0832	EA Special Cabinet Nameplate Requirements .....	31.57	
<b>26 24 19 00-0833</b>	<b>Auxiliary Relays</b> (26 24 19 00-0484)		
26 24 19 00-0834	EA Industrial Control Relay, 10 Amperes, Class A600 With 2 Contacts.....	171.22	27.15
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.28	
26 24 19 00-0835	EA Timing Relay, Solid State, DPDT 0.1-10 Sec Variable, Off-Delay .....	161.72	24.42
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.28	
26 24 19 00-0836	EA General Purpose Control Relay, 240 Volt AC, 10 Amperes, With Base .....	90.83	24.42
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.28	
<b>26 24 19 00-0837</b>	<b>Motor Control Center Accessories</b> (26 24 19 00-0484)		
<b>26 24 19 00-0838</b>	<b>Lighting Transformer With Circuit Breaker</b> (26 24 19 00-0837)		
	Note: For 240 V, 480 V, or 600 V primary. Includes door, unit support pan, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure for MCC only.		
26 24 19 00-0839	EA 1 Phase, 5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	5,120.82	348.52
26 24 19 00-0840	EA 1 Phase, 7.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	5,324.12	362.47
26 24 19 00-0841	EA 1 Phase, 10 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	5,825.73	390.34
26 24 19 00-0842	EA 1 Phase, 15 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	7,329.29	418.22
26 24 19 00-0843	EA 1 Phase, 25 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	9,864.03	446.10
26 24 19 00-0844	EA 1 Phase, 37.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	12,120.75	501.87
26 24 19 00-0845	EA 1 Phase, 50 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	15,934.29	557.63
26 24 19 00-0846	EA 3 Phase, 10 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	9,296.22	460.05
26 24 19 00-0847	EA 3 Phase, 15 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	10,099.71	501.87
26 24 19 00-0848	EA 3 Phase, 25 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	11,552.54	557.63
26 24 19 00-0849	EA 3 Phase, 30 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	12,254.26	613.40
26 24 19 00-0850	EA 3 Phase, 37.5 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	14,790.55	669.16
26 24 19 00-0851	EA 3 Phase, 45 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	15,258.40	724.93
<b>26 24 19 00-0852</b>	<b>Bolt-On Lighting Panel</b> (26 24 19 00-0837)		
	Note: Includes door, T-handle, unit support pan, neutral bar (10 KA IC RMS), and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. For MCC only.		
26 24 19 00-0853	EA 18 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....	2,092.75	563.97
26 24 19 00-0854	EA 30 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....	3,246.03	981.66
26 24 19 00-0855	EA 42 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....	4,309.89	1,328.12
26 24 19 00-0856	EA 18 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....	2,185.22	610.26
26 24 19 00-0857	EA 30 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....	3,204.26	960.74
26 24 19 00-0858	EA 42 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....	4,475.91	1,411.14
26 24 19 00-0859	EA 18 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt .....	3,581.33	654.15
26 24 19 00-0860	EA 30 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt .....	4,738.82	1,050.15
26 24 19 00-0861	EA 42 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt .....	5,904.82	1,411.14
26 24 19 00-0862	EA 18 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt .....	3,684.22	705.51
26 24 19 00-0863	EA 30 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt .....	4,738.82	1,050.15
26 24 19 00-0864	EA 42 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt .....	5,995.85	1,456.66
<b>26 24 19 00-0865</b>	<b>Factory Installed Bolt-On Branch Circuit Breaker</b> (26 24 19 00-0837)		
	Note: For MCC lighting panel only.		
26 24 19 00-0866	EA 15 To 30 Amperes, 1 Pole, Bolt-On Branch Circuit Breaker .....	19.56	
26 24 19 00-0867	EA 15 To 30 Amperes, 1 Pole (GFI) Bolt-On Branch Circuit Breaker .....	274.09	
26 24 19 00-0868	EA 15 To 50 Amperes, 2 Pole, Bolt-On Branch Circuit Breaker .....	38.23	
26 24 19 00-0869	EA 60 To 100 Amperes, 2 Pole, Bolt-On Branch Circuit Breaker .....	88.02	
26 24 19 00-0870	EA 15 To 50 Amperes, 3 Pole, Bolt-On Branch Circuit Breaker .....	103.13	
26 24 19 00-0871	EA 60 To 100 Amperes, 3 Pole, Bolt-On Branch Circuit Breaker .....	156.48	
<b>26 24 19 00-0872</b>	<b>Blank Unit Door (BUD)</b> (26 24 19 00-0837)		
	Note: With NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Factory installed.		
26 24 19 00-0873	EA 6" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	73.09	
26 24 19 00-0874	EA 12" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	87.71	
26 24 19 00-0875	EA 18" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	131.56	
26 24 19 00-0876	EA 24" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	175.42	
26 24 19 00-0877	EA 30" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	263.12	
26 24 19 00-0878	EA 48" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	306.98	
26 24 19 00-0879	EA 72" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	350.83	

**26 25 Enclosed Bus Assemblies** (26 20)

**26 25 13 Low-Voltage Busways** (26 25)

**26 25 13 00-0001 Plug-In Bus Duct** (26 25 13)

Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.

**26 25 13 00-0002 600 Volt, 3-Phase, 3-Wire, Copper Conductors** (26 25 13 00-0001)

26	<b>26 Electrical</b>
	<b>26 20 Low-Voltage Electrical Distribution</b>
	<b>26 25 Enclosed Bus Assemblies</b>



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 25 13 00-0003	LF	225 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	555.56	32.51
26 25 13 00-0004	LF	400 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	812.86	32.51
26 25 13 00-0005	LF	600 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	1,040.67	43.35
26 25 13 00-0006	LF	800 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	1,469.33	43.35
26 25 13 00-0007	LF	1,000 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	1,547.99	54.18
26 25 13 00-0008	LF	1,350 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	2,195.41	54.18
26 25 13 00-0009	LF	1,600 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	2,588.62	56.90
26 25 13 00-0010	LF	2,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	3,180.74	58.52
26 25 13 00-0011	LF	2,500 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	3,953.55	61.77
26 25 13 00-0012	LF	3,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	4,563.02	72.07
26 25 13 00-0013	LF	4,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	5,293.57	78.57
<b>26 25 13 00-0014</b>		<b>277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors (26 25 13 00-0001)</b>		
26 25 13 00-0015	LF	225 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	971.49	32.51
26 25 13 00-0016	LF	400 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	1,427.70	32.51
26 25 13 00-0017	LF	600 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	1,614.42	43.35
26 25 13 00-0018	LF	800 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	2,070.19	43.35
26 25 13 00-0019	LF	1,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	2,540.18	54.18
26 25 13 00-0020	LF	1,350 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	3,321.95	54.18
26 25 13 00-0021	LF	1,600 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	4,316.62	56.14
26 25 13 00-0022	LF	2,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	5,223.12	58.52
26 25 13 00-0023	LF	2,500 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	6,506.75	61.23
26 25 13 00-0024	LF	3,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	7,509.08	72.07
26 25 13 00-0025	LF	4,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	8,717.83	78.57
<b>26 25 13 00-0026</b>		<b>Cable Tap Boxes (26 25 13 00-0001)</b>		
<b>26 25 13 00-0027</b>		<b>600 Volt, 3-Phase, 3-Wire, Copper Conductors (26 25 13 00-0026)</b>		
26 25 13 00-0028	EA	225 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire .....	4,914.97	151.73
26 25 13 00-0029	EA	400 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire .....	5,011.16	151.73
26 25 13 00-0030	EA	600 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire .....	5,375.25	205.91
26 25 13 00-0031	EA	800 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire .....	5,673.44	205.91
26 25 13 00-0032	EA	1,000 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire .....	6,050.59	270.94
26 25 13 00-0033	EA	1,350 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire .....	6,616.47	270.94
<b>26 25 13 00-0034</b>		<b>277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors (26 25 13 00-0026)</b>		
26 25 13 00-0035	EA	225 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire .....	5,011.16	298.03
26 25 13 00-0036	EA	400 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire .....	5,387.68	298.03
26 25 13 00-0037	EA	600 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire .....	5,697.21	406.40
26 25 13 00-0038	EA	800 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire .....	6,391.97	406.40
26 25 13 00-0039	EA	1,000 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire .....	6,662.24	541.87
26 25 13 00-0040	EA	1,350 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire .....	7,601.37	541.87
<b>26 25 13 00-0041</b>		<b>Bus Duct Plug-In Circuit Breaker (26 25 13 00-0001)</b>		
<b>26 25 13 00-0042</b>		<b>240 Volt, 3-Phase (26 25 13 00-0041)</b>		
26 25 13 00-0043	EA	60 Amperes, 240 Volt, 3 Phase, Bus Duct Plug-In Circuit Breaker .....	2,112.31	108.38
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>59.29</i>	
26 25 13 00-0044	EA	100 Amperes, 240 Volt, 3 Phase, Bus Duct Plug-In Circuit Breaker .....	4,404.41	108.38
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>76.11</i>	
<b>26 25 13 00-0045</b>		<b>600 Volt, 3-Phase (26 25 13 00-0041)</b>		
26 25 13 00-0046	EA	60 Amperes, 600 Volt, 3 Phase, Bus Duct Plug-in Circuit Breaker .....	4,348.34	108.38
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>59.29</i>	
26 25 13 00-0047	EA	100 Amperes, 600 Volt, 3 Phase, Bus Duct Plug-in Circuit Breaker .....	5,635.44	108.38
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>76.11</i>	
<b>26 25 13 00-0048</b>		<b>120/208 Volt, 3-Phase, 4-Wire (26 25 13 00-0041)</b>		
26 25 13 00-0049	EA	60 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Bus Duct Plug-in Circuit Breaker .....	2,435.04	130.05
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>67.73</i>	
26 25 13 00-0050	EA	100 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Bus Duct Plug-in Circuit Breaker .....	2,890.89	130.05
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>84.67</i>	
<b>26 25 13 00-0051</b>		<b>277/480 Volt, 3-Phase, 4-Wire (26 25 13 00-0041)</b>		
26 25 13 00-0052	EA	60 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker .....	2,834.44	130.05
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>67.73</i>	
26 25 13 00-0053	EA	100 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker .....	4,454.91	130.05
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>84.67</i>	
26 25 13 00-0054	EA	225 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker .....	6,164.03	449.75
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>194.92</i>	
26 25 13 00-0055	EA	400 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker .....	14,914.09	449.75
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>423.34</i>	
26 25 13 00-0056	EA	600 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker .....	16,102.54	1,300.49
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>588.99</i>	
26 25 13 00-0057	EA	800 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker .....	18,673.21	1,300.49
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>1,042.06</i>	



26 **26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 27 Low-Voltage Distribution Equipment**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0009 EA 400 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release.....	2,025.68	119.21
26 27 13 00-0010 EA Combination Motor And Current Transformer Cabinet, 15 To 30 Amperes, 13 Terminal, Underground, With Test Switch And Transformer, Socket Base .....	2,386.00	541.87
<b>26 27 13 00-0011 Meter Device (26 27 13 00-0001)</b> Note: Direct read, with 15 minute demand.		
26 27 13 00-0012 EA 100 To 200 Amperes, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter.....	229.98	21.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add .....	13.33	
26 27 13 00-0013 EA 200 Amperes, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter.....	641.92	21.71
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add .....	13.57	
<b>26 27 13 00-0014 Current Transformer Enclosure (26 27 13 00-0001)</b>		
26 27 13 00-0015 EA 18" x 24" x 9", NEMA 3R, Screwed Cover, Current Transformer Enclosure .....	494.24	140.89
<b>26 27 13 00-0016 120/240 Volt Meter Center And Main Breaker, Indoor Housing (26 27 13 00-0001)</b>		
<b>26 27 13 00-0017 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max., 2 Pole (26 27 13 00-0016)</b>		
26 27 13 00-0018 EA 3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max .....	893.72	67.74
26 27 13 00-0019 EA 4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max .....	1,175.06	81.28
26 27 13 00-0020 EA 5 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max .....	1,454.90	94.82
26 27 13 00-0021 EA 6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max .....	1,685.69	108.38
26 27 13 00-0022 EA 7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max .....	2,191.53	121.92
26 27 13 00-0023 EA 8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max .....	2,367.31	135.46
26 27 13 00-0024 EA 10 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max .....	2,763.46	162.56
<b>26 27 13 00-0025 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max., 2 Pole (26 27 13 00-0016)</b>		
26 27 13 00-0026 EA 3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max .....	1,637.12	67.74
26 27 13 00-0027 EA 4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max .....	2,154.86	81.28
26 27 13 00-0028 EA 6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max .....	2,967.32	108.38
26 27 13 00-0029 EA 7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max .....	3,291.75	121.92
26 27 13 00-0030 EA 8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max .....	4,136.58	135.46
<b>26 27 13 00-0031 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0016)</b>		
26 27 13 00-0032 EA 3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	1,367.18	94.82
26 27 13 00-0033 EA 4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	1,792.74	108.38
26 27 13 00-0034 EA 5 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	2,191.53	121.92
26 27 13 00-0035 EA 6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	2,575.46	135.46
26 27 13 00-0036 EA 7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	3,241.86	149.02
26 27 13 00-0037 EA 8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	3,402.77	162.56
26 27 13 00-0038 EA 10 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	4,215.20	189.66
<b>26 27 13 00-0039 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0016)</b>		
26 27 13 00-0040 EA 3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	2,107.60	94.82
26 27 13 00-0041 EA 4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	2,759.15	108.38
26 27 13 00-0042 EA 6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	3,883.83	135.46
26 27 13 00-0043 EA 7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	4,163.67	149.02
26 27 13 00-0044 EA 8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	5,320.69	162.56
<b>26 27 13 00-0045 120/208 Volt Meter Center And Main Breaker, Indoor Housing (26 27 13 00-0001)</b>		
<b>26 27 13 00-0046 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max., 2 Pole (26 27 13 00-0045)</b>		
26 27 13 00-0047 EA 3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max .....	974.34	81.28
26 27 13 00-0048 EA 4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max .....	1,272.03	94.82
26 27 13 00-0049 EA 5 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max .....	1,568.24	108.38
26 27 13 00-0050 EA 6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max .....	1,819.83	121.92
26 27 13 00-0051 EA 7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max .....	2,233.50	135.46
26 27 13 00-0052 EA 8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max .....	2,409.26	149.02
26 27 13 00-0053 EA 10 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max .....	2,968.97	176.11
<b>26 27 13 00-0054 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0045)</b>		
26 27 13 00-0055 EA 3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	1,723.69	81.28
26 27 13 00-0056 EA 4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	2,271.17	94.82
26 27 13 00-0057 EA 6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	3,276.88	121.92
26 27 13 00-0058 EA 7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	3,601.34	135.46
26 27 13 00-0059 EA 8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	4,356.98	149.02
<b>26 27 13 00-0060 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0045)</b>		
26 27 13 00-0061 EA 3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	1,447.83	108.38
26 27 13 00-0062 EA 4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	1,879.32	121.92
26 27 13 00-0063 EA 5 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	2,322.72	135.46
26 27 13 00-0064 EA 6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	2,706.65	149.02



**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 27 Low-Voltage Distribution Equipment**



MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 27 13 00-0118		1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0099)</small>		
26 27 13 00-0119	EA	3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	2,209.04	108.38
26 27 13 00-0120	EA	4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	2,905.18	121.92
26 27 13 00-0121	EA	6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	4,163.67	149.02
26 27 13 00-0122	EA	7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	4,354.32	162.56
26 27 13 00-0123	EA	8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	5,526.24	176.11
26 27 13 00-0124		Watt/Hour Meters <small>(26 27 13)</small>		
26 27 13 00-0125	EA	Single Phase M-90 Meter, Socket, NEMA 3R Enclosure .....	956.86	65.02
26 27 13 00-0126	EA	Three Phase M-90 Meter/Main Breaker Combination With Socket, NEMA 3R Enclosure .....	2,894.20	130.05
26 27 13 00-0127	EA	Three Phase M-90 Meter In Line Secondary With Socket, NEMA 3R Enclosure .....	1,543.01	97.54
26 27 13 00-0128	EA	Three Phase M-90 Meter, Primary Side Transformer Mount With Socket Totally Enclosed, NEMA 3R Enclosure .....	1,882.57	97.54
26 27 13 00-0129	EA	Three Phase M-90 Meter, Primary Side Pole Mount With Socket, NEMA 3R Enclosure .....	1,592.89	97.54
26 27 13 00-0130	EA	C.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure .....	1,076.01	89.95
26 27 13 00-0131	EA	P.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure .....	1,840.68	162.56
26 27 13 00-0132		Watt/Hour Meter Systems <small>(26 27 13)</small> Note: Includes NEMA 3R enclosure with C.T. and NEMA 3R C.T. enclosure. systems with main breakers include an additional NEMA 3R enclosure.		
26 27 13 00-0133		Watt/Hour Meter System Without Main Breaker <small>(26 27 13 00-0132)</small>		
26 27 13 00-0134	EA	400 Amperes System; 200 Amperes M-90 Meter And Enclosure .....	4,747.53	650.36
26 27 13 00-0135	EA	600 To 800 Amperes System; 200 Amperes M-90 Meter And Enclosure .....	5,548.88	650.36
26 27 13 00-0136		Watt/Hour Meter System With Main Breaker <small>(26 27 13 00-0132)</small>		
26 27 13 00-0137	EA	400 Amperes System; 400 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure .....	8,265.85	650.36
26 27 13 00-0138	EA	600 Amperes System; 600 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure .....	10,013.22	650.36
26 27 13 00-0139	EA	800 Amperes System; 800 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure .....	10,754.28	650.36
26 27 16		<b>Electrical Cabinets and Enclosures</b> <small>(26 27)</small> Note: Can be used as enclosure or pull/junction boxes.		
26 27 16 00-0001		NEMA 1 Enclosures, Lockable <small>(26 27 16)</small>		
26 27 16 00-0002		Hinged Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0001)</small>		
26 27 16 00-0003		4" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0002)</small>		
26 27 16 00-0004	EA	6" x 4" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	69.12	21.67
26 27 16 00-0005	EA	6" x 6" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	77.57	23.84
26 27 16 00-0006	EA	8" x 6" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	86.08	26.01
26 27 16 00-0007	EA	8" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	100.50	30.35
26 27 16 00-0008	EA	10" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	109.52	32.51
26 27 16 00-0009	EA	10" x 10" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	119.19	34.68
26 27 16 00-0010	EA	12" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	118.85	34.68
26 27 16 00-0011	EA	12" x 10" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	128.79	36.85
26 27 16 00-0012	EA	12" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	139.23	39.02
26 27 16 00-0013	EA	16" x 12" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	180.42	52.02
26 27 16 00-0014	EA	16" x 16" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	218.88	62.86
26 27 16 00-0015	EA	18" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	207.86	60.69
26 27 16 00-0016		6" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0002)</small>		
26 27 16 00-0017	EA	6" x 6" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	86.75	26.01
26 27 16 00-0018	EA	8" x 8" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	105.43	30.35
26 27 16 00-0019	EA	10" x 8" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	125.81	36.85
26 27 16 00-0020	EA	10" x 10" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	135.99	39.02
26 27 16 00-0021	EA	12" x 10" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	146.38	41.18
26 27 16 00-0022	EA	12" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	157.27	43.35
26 27 16 00-0023	EA	16" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	199.58	56.36
26 27 16 00-0024	EA	16" x 16" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	241.88	69.36
26 27 16 00-0025	EA	18" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	233.23	67.20
26 27 16 00-0026	EA	18" x 18" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	303.81	86.69
26 27 16 00-0027	EA	24" x 18" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	390.98	99.71
26 27 16 00-0028	EA	24" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	447.28	108.38
26 27 16 00-0029	EA	30" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	498.45	114.87
26 27 16 00-0030	EA	36" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	544.21	119.21
26 27 16 00-0031	EA	24-1/2" x 12-1/2" x 6-1/2", Hinged Cover, Galvanized Steel NEMA 1 Enclosure (Control Products MH3803L) .....	357.93	86.69
26 27 16 00-0032		Screw Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0001)</small>		
26 27 16 00-0033		3" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0032)</small>		
26 27 16 00-0034	EA	4" x 4" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....	46.41	15.17
26 27 16 00-0035	EA	6" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....	66.32	21.67
26 27 16 00-0036	EA	8" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....	73.90	23.84
26 27 16 00-0037		4" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0032)</small>		
26 27 16 00-0038	EA	4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....	51.98	17.34
26 27 16 00-0039	EA	6" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....	64.48	21.67



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 27 16 00-0040	EA	6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	71.95	23.84
26 27 16 00-0041	EA	8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	79.51	26.01
26 27 16 00-0042	EA	8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	92.77	30.35
26 27 16 00-0043	EA	10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	100.68	32.51
26 27 16 00-0044	EA	10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	108.95	34.68
26 27 16 00-0045	EA	12" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	108.67	34.68
26 27 16 00-0046	EA	12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	117.29	36.85
26 27 16 00-0047	EA	12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	126.14	39.02
26 27 16 00-0048	EA	16" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	165.25	52.02
26 27 16 00-0049	EA	16" x 16" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	204.91	65.02
26 27 16 00-0050	EA	18" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	190.23	60.69
26 27 16 00-0051	EA	18" x 18" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	246.25	78.03
26 27 16 00-0052	EA	24" x 24" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	351.74	97.54

**26 27 16 00-0053 6" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0032)**

26 27 16 00-0054	EA	6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	79.92	26.01
26 27 16 00-0055	EA	8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	88.03	28.18
26 27 16 00-0056	EA	8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	101.48	32.51
26 27 16 00-0057	EA	10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	115.20	36.85
26 27 16 00-0058	EA	10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	123.93	39.02
26 27 16 00-0059	EA	12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	132.74	41.18
26 27 16 00-0060	EA	12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	141.91	43.35
26 27 16 00-0061	EA	16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	181.90	56.36
26 27 16 00-0062	EA	16" x 16" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	223.53	69.36
26 27 16 00-0063	EA	18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	212.76	67.20
26 27 16 00-0064	EA	18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	276.47	86.69
26 27 16 00-0065	EA	24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	343.14	99.71
26 27 16 00-0066	EA	24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	391.80	108.38
26 27 16 00-0067	EA	30" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	422.48	114.87
26 27 16 00-0068	EA	36" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	460.50	119.21

**26 27 16 00-0069 8" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0032)**

26 27 16 00-0070	EA	8" x 8" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	115.20	36.85
26 27 16 00-0071	EA	12" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	156.50	47.69
26 27 16 00-0072	EA	16" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	198.98	60.69
26 27 16 00-0073	EA	16" x 16" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	247.10	75.86
26 27 16 00-0074	EA	18" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	236.46	73.69
26 27 16 00-0075	EA	18" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	292.85	91.04
26 27 16 00-0076	EA	24" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	327.22	104.04
26 27 16 00-0077	EA	24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	377.01	110.54
26 27 16 00-0078	EA	24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	431.96	119.21
26 27 16 00-0079	EA	30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	459.34	125.71
26 27 16 00-0080	EA	30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	482.07	130.05
26 27 16 00-0081	EA	36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	493.96	130.05

**26 27 16 00-0082 10" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0032)**

26 27 16 00-0083	EA	18" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	268.04	82.36
26 27 16 00-0084	EA	18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	352.22	106.20
26 27 16 00-0085	EA	24" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	357.83	112.71
26 27 16 00-0086	EA	24" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	457.99	121.38
26 27 16 00-0087	EA	24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	525.74	134.38
26 27 16 00-0088	EA	30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	580.85	138.72
26 27 16 00-0089	EA	36" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	618.93	145.22

**26 27 16 00-0090 12" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0032)**

26 27 16 00-0091	EA	18" x 18" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	388.80	117.04
26 27 16 00-0092	EA	24" x 12" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	388.97	123.55
26 27 16 00-0093	EA	24" x 18" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	503.78	134.38
26 27 16 00-0094	EA	24" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	574.05	147.38
26 27 16 00-0095	EA	30" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	641.28	153.89
26 27 16 00-0096	EA	36" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	675.89	160.40

**26 27 16 00-0097 NEMA 1 Enclosures For Up To 6 Boards, Lockable (26 27 16)**

**26 27 16 00-0098 4.5" Depth, Hinged Cover, Powder Coated Steel, NEMA 1 Enclosures (26 27 16 00-0097)**

26 27 16 00-0099	EA	24" High x 18" Wide x 4.5" Deep, 18 Gauge, Powder Coated Steel, NEMA 1 Enclosure (RS2 Technologies NCL-12).....	1,007.60	95.37
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**26 27 16 00-0100 NEMA 12 Enclosures, Lockable (26 27 16)**

Note: Dust-tight enclosures.

**26 27 16 00-0101 Hinged Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0100)**

**26 27 16 00-0102 4" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0101)**

26 27 16 00-0103	EA	4" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	99.82	17.34
26 27 16 00-0104	EA	6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	129.86	23.84
26 27 16 00-0105	EA	8" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	160.55	30.35
26 27 16 00-0106	EA	10" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	173.86	32.51
26 27 16 00-0107	EA	12" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	195.37	34.68

**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 27 Low-Voltage Distribution Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0108	EA		12" x 10" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	210.52	36.85
<b>26 27 16 00-0109</b>			<b>6" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0101)</b>		
26 27 16 00-0110	EA		6" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure .....	144.21	26.01
26 27 16 00-0111	EA		8" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure .....	158.94	28.18
<b>26 27 16 00-0112</b>			<b>Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0100)</b>		
<b>26 27 16 00-0113</b>			<b>4" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0112)</b>		
26 27 16 00-0114	EA		4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	186.18	17.34
26 27 16 00-0115	EA		6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	223.74	23.84
26 27 16 00-0116	EA		8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	252.89	26.01
26 27 16 00-0117	EA		8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	289.40	30.35
26 27 16 00-0118	EA		10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	297.84	32.51
26 27 16 00-0119	EA		10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	351.25	34.68
26 27 16 00-0120	EA		12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	377.10	36.85
26 27 16 00-0121	EA		12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	428.72	39.02
<b>26 27 16 00-0122</b>			<b>6" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0112)</b>		
26 27 16 00-0123	EA		6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	272.00	26.01
26 27 16 00-0124	EA		8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	307.33	28.18
26 27 16 00-0125	EA		8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	335.24	32.51
26 27 16 00-0126	EA		10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	396.58	39.02
26 27 16 00-0127	EA		12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	430.81	43.35
26 27 16 00-0128	EA		16" x 14" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	597.74	56.36
26 27 16 00-0129	EA		18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	926.19	86.69
26 27 16 00-0130	EA		24" x 16" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	1,211.35	99.71
26 27 16 00-0131	EA		24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	1,365.21	108.38
<b>26 27 16 00-0132</b>			<b>8" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0112)</b>		
26 27 16 00-0133	EA		24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	1,263.97	110.54
26 27 16 00-0134	EA		24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	1,455.57	119.21
26 27 16 00-0135	EA		30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	1,599.29	125.71
26 27 16 00-0136	EA		30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	1,762.15	130.05
26 27 16 00-0137	EA		36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	1,738.12	130.05
<b>26 27 16 00-0138</b>			<b>Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0100)</b>		
<b>26 27 16 00-0139</b>			<b>8" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0138)</b>		
26 27 16 00-0140	EA		60" x 48" x 8" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure .....	5,518.48	176.11
<b>26 27 16 00-0141</b>			<b>10" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0138)</b>		
26 27 16 00-0142	EA		60" x 48" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure .....	5,573.78	195.07
26 27 16 00-0143	EA		60" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure .....	6,392.07	208.62
26 27 16 00-0144	EA		72" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure .....	7,355.67	260.09
26 27 16 00-0145	EA		72" x 72" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure .....	8,215.21	306.70
<b>26 27 16 00-0146</b>			<b>12" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0138)</b>		
26 27 16 00-0147	EA		60" x 48" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure .....	5,955.77	306.70
26 27 16 00-0148	EA		60" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure .....	6,637.48	325.12
26 27 16 00-0149	EA		72" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure .....	7,536.50	346.80
26 27 16 00-0150	EA		72" x 72" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure .....	8,312.77	346.80
<b>26 27 16 00-0151</b>			<b>NEMA 3 Enclosures, Lockable (26 27 16)</b> Note: Can be used underground or encased in concrete.		
<b>26 27 16 00-0152</b>			<b>2" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0151)</b>		
26 27 16 00-0153	EA		4" x 4" x 2" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	283.77	75.86
<b>26 27 16 00-0154</b>			<b>3" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0151)</b>		
26 27 16 00-0155	EA		4" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	304.66	75.86
26 27 16 00-0156	EA		5" x 5" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	389.17	78.57
26 27 16 00-0157	EA		6" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	403.39	78.57
26 27 16 00-0158	EA		6" x 6" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	506.68	81.28
<b>26 27 16 00-0159</b>			<b>4" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0151)</b>		
26 27 16 00-0160	EA		4" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	385.33	78.57
26 27 16 00-0161	EA		5" x 5" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	422.51	78.57
26 27 16 00-0162	EA		6" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	440.42	81.28
26 27 16 00-0163	EA		6" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	554.62	81.28

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 27 16 00-0164	EA		8" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	609.67	86.69
	26 27 16 00-0165	EA		8" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	656.26	92.12
	26 27 16 00-0166	EA		10" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	683.42	92.12
	26 27 16 00-0167	EA		10" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	812.64	94.82
	26 27 16 00-0168	EA		12" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	881.58	97.54
	26 27 16 00-0169	EA		12" x 12" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	1,206.91	108.38
<b>26 27 16 00-0170</b>				<b>6" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (2627 16 00-0151)</b>		
	26 27 16 00-0171	EA		6" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	585.76	83.99
	26 27 16 00-0172	EA		8" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	738.16	94.82
	26 27 16 00-0173	EA		8" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	864.88	97.54
	26 27 16 00-0174	EA		10" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	996.74	100.25
	26 27 16 00-0175	EA		10" x 10" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	1,060.81	100.25
	26 27 16 00-0176	EA		12" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	1,206.57	108.38
	26 27 16 00-0177	EA		12" x 12" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	1,395.66	121.92
	26 27 16 00-0178	EA		16" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	1,315.12	116.50
	26 27 16 00-0179	EA		18" x 12" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	2,556.90	216.75
	26 27 16 00-0180	EA		18" x 18" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	4,430.23	270.94
<b>26 27 16 00-0181</b>				<b>8" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (2627 16 00-0151)</b>		
	26 27 16 00-0182	EA		8" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	1,070.80	102.95
	26 27 16 00-0183	EA		12" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	1,610.36	135.46
	26 27 16 00-0184	EA		12" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	1,636.52	135.46
	26 27 16 00-0185	EA		16" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	2,217.02	203.20
	26 27 16 00-0186	EA		18" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	2,920.32	216.75
	26 27 16 00-0187	EA		24" x 24" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	7,411.58	379.31
<b>26 27 16 00-0188</b>				<b>10" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (2627 16 00-0151)</b>		
	26 27 16 00-0189	EA		18" x 12" x 10" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	3,894.02	270.94
<b>26 27 16 00-0190</b>				<b>12" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (2627 16 00-0151)</b>		
	26 27 16 00-0191	EA		18" x 18" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	5,989.52	325.12
	26 27 16 00-0192	EA		24" x 12" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	4,925.55	298.03
<b>26 27 16 00-0193</b>				<b>NEMA 3R Enclosures, Lockable (26 27 16)</b>		
				Note: Rain-tight enclosures.		
<b>26 27 16 00-0194</b>				<b>Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0193)</b>		
<b>26 27 16 00-0195</b>				<b>4" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0194)</b>		
	26 27 16 00-0196	EA		6" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	90.63	21.67
	26 27 16 00-0197	EA		6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	100.07	23.84
	26 27 16 00-0198	EA		8" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	148.26	26.01
<b>26 27 16 00-0199</b>				<b>6" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0194)</b>		
	26 27 16 00-0200	EA		8" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	186.63	32.51
	26 27 16 00-0201	EA		10" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	208.54	36.85
	26 27 16 00-0202	EA		12" x 10" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	244.72	41.18
	26 27 16 00-0203	EA		12" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	264.59	43.35
	26 27 16 00-0204	EA		16" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	344.48	56.36
	26 27 16 00-0205	EA		16" x 16" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	411.90	69.36
	26 27 16 00-0206	EA		18" x 18" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	470.36	86.69
<b>26 27 16 00-0207</b>				<b>8" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0194)</b>		
	26 27 16 00-0208	EA		24" x 20" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	714.72	110.54
	26 27 16 00-0209	EA		24" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	792.73	119.21
	26 27 16 00-0210	EA		30" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	892.52	125.71
	26 27 16 00-0211	EA		30" x 30" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	938.77	130.05
<b>26 27 16 00-0212</b>				<b>10" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0194)</b>		
	26 27 16 00-0213	EA		12" x 48" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	886.28	134.38
	26 27 16 00-0214	EA		12" x 54" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,001.17	151.73
	26 27 16 00-0215	EA		12" x 60" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,108.39	167.98
	26 27 16 00-0216	EA		12" x 66" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,221.12	185.32
	26 27 16 00-0217	EA		12" x 72" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,329.42	201.58
	26 27 16 00-0218	EA		18" x 18" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	576.67	106.20
	26 27 16 00-0219	EA		24" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	886.28	134.38
	26 27 16 00-0220	EA		30" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,049.75	138.72
	26 27 16 00-0221	EA		36" x 36" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,329.27	151.73
<b>26 27 16 00-0222</b>				<b>12" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0194)</b>		
	26 27 16 00-0223	EA		12" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	860.06	107.30
	26 27 16 00-0224	EA		12" x 54" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	964.39	120.30
	26 27 16 00-0225	EA		12" x 60" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,067.65	133.30

**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 27 Low-Voltage Distribution Equipment**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 27 16 00-0226	EA	12" x 66" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	1,180.81	147.38
26 27 16 00-0227	EA	12" x 72" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	1,285.13	160.40
26 27 16 00-0228	EA	18" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	642.58	80.20
26 27 16 00-0229	EA	18" x 32" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	860.06	107.30
26 27 16 00-0230	EA	18" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	964.39	120.30
26 27 16 00-0231	EA	18" x 42" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	1,135.30	140.89
26 27 16 00-0232	EA	18" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	1,285.13	160.40
26 27 16 00-0233	EA	30" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	1,221.35	158.23
26 27 16 00-0234	EA	36" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	1,285.13	160.40
26 27 16 00-0235	EA	36" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	1,353.81	164.73
26 27 16 00-0236	EA	36" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	1,508.20	173.40
26 27 16 00-0237	EA	42" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	1,635.88	182.07
<b>26 27 16 00-0238 Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0193)</b>				
<b>26 27 16 00-0239 4" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0238)</b>				
26 27 16 00-0240	EA	4" x 4" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	64.03	17.34
26 27 16 00-0241	EA	6" x 4" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	77.45	21.67
26 27 16 00-0242	EA	6" x 6" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	85.52	23.84
26 27 16 00-0243	EA	8" x 6" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	94.78	26.01
26 27 16 00-0244	EA	8" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	110.08	30.35
26 27 16 00-0245	EA	10" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	119.93	32.51
26 27 16 00-0246	EA	10" x 10" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	130.62	34.68
26 27 16 00-0247	EA	12" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	130.05	34.68
26 27 16 00-0248	EA	12" x 10" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	142.07	36.85
26 27 16 00-0249	EA	12" x 12" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	152.77	39.02
26 27 16 00-0250	EA	18" x 12" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	230.95	60.69
26 27 16 00-0251	EA	18" x 18" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	307.81	78.03
<b>26 27 16 00-0252 6" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0238)</b>				
26 27 16 00-0253	EA	6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	89.13	26.01
26 27 16 00-0254	EA	8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	121.46	32.51
26 27 16 00-0255	EA	10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	137.59	36.85
26 27 16 00-0256	EA	10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	149.07	39.02
26 27 16 00-0257	EA	12" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	148.23	39.02
26 27 16 00-0258	EA	12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	160.38	41.18
26 27 16 00-0259	EA	12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	172.65	43.35
26 27 16 00-0260	EA	16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	225.31	56.36
26 27 16 00-0261	EA	18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	259.53	67.20
26 27 16 00-0262	EA	18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	346.12	86.69
26 27 16 00-0263	EA	24" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	361.50	93.20
26 27 16 00-0264	EA	24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	412.75	99.71
26 27 16 00-0265	EA	24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	464.68	108.38
<b>26 27 16 00-0266 8" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0238)</b>				
26 27 16 00-0267	EA	12" x 12" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	193.20	47.69
26 27 16 00-0268	EA	18" x 12" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	280.09	73.69
26 27 16 00-0269	EA	18" x 18" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	382.91	95.37
26 27 16 00-0270	EA	24" x 18" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	456.72	110.54
26 27 16 00-0271	EA	24" x 24" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	516.39	119.21
26 27 16 00-0272	EA	30" x 24" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	573.28	125.71
<b>26 27 16 00-0273 10" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0238)</b>				
26 27 16 00-0274	EA	18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	422.50	106.20
26 27 16 00-0275	EA	24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	568.04	134.38
26 27 16 00-0276	EA	30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	622.67	138.72
<b>26 27 16 00-0277 12" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0238)</b>				
26 27 16 00-0278	EA	24" x 24" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	627.46	147.38
26 27 16 00-0279	EA	30" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	871.20	160.40
26 27 16 00-0280	EA	36" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	900.33	164.73
26 27 16 00-0281	EA	36" x 36" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	1,051.80	173.40
<b>26 27 16 00-0282 NEMA 4 Enclosures, Lockable (26 27 16)</b>				
Note: Water-tight enclosures.				
<b>26 27 16 00-0283 Hinge Cover, Painted Steel NEMA 4 Enclosures (26 27 16 00-0282)</b>				
26 27 16 00-0284	EA	4" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure .....	113.94	15.17
26 27 16 00-0285	EA	6" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure .....	132.57	18.43
26 27 16 00-0286	EA	8" x 6" x 3.5" Hinge Cover, Painted Steel NEMA 4 Enclosure .....	165.50	23.84
26 27 16 00-0287	EA	6" x 6" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure .....	156.87	23.84
26 27 16 00-0288	EA	10" x 8" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure .....	209.31	32.51
26 27 16 00-0289	EA	12" x 10" x 5" Hinge Cover, Painted Steel NEMA 4 Enclosure .....	261.56	39.02
26 27 16 00-0290	EA	10" x 8" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure .....	241.19	36.85
26 27 16 00-0291	EA	12" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure .....	280.99	43.35
26 27 16 00-0292	EA	14" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure .....	331.23	49.85
26 27 16 00-0293	EA	16" x 14" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure .....	400.23	62.86

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>26 27 16 00-0294</b>	<b>Clamp Cover, Painted Steel NEMA 4 Enclosures</b> (26 27 16 00-0294)		
26 27 16 00-0295	EA 4" x 4" x 3" Clamp Cover, Painted Steel NEMA 4 Enclosure .....	103.90	15.17
26 27 16 00-0296	EA 6" x 6" x 4" Clamp Cover, Painted Steel NEMA 4 Enclosure .....	146.86	23.84
<b>26 27 16 00-0297</b>	<b>Screw Cover, Fiberglass NEMA 4 Or 4x Enclosures</b> (26 27 16 00-0297)		
26 27 16 00-0298	EA 6" x 6" x 4", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure .....	129.55	20.81
26 27 16 00-0299	EA 8" x 6" x 4", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure .....	137.40	22.55
26 27 16 00-0300	EA 10" x 8" x 6", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure .....	167.71	29.47
26 27 16 00-0301	EA 12" x 10" x 6", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure .....	196.89	32.51
26 27 16 00-0302	EA 14" x 12" x 8", Screw Cover, Fiberglass NEMA 4 Enclosure .....	255.37	41.18
26 27 16 00-0303	EA 16" x 14" x 8", Screw Cover, Fiberglass NEMA 4 Enclosure .....	298.31	48.77
26 27 16 00-0304	EA 18" x 16" x 10", Screw Cover, Fiberglass NEMA 4 Enclosure .....	414.96	78.03
<b>26 27 16 00-0305</b>	<b>NEMA 4X Enclosures, Lockable</b> (26 27 16) Note: Water-tight enclosures.		
<b>26 27 16 00-0306</b>	<b>Clamp Cover, Aluminum NEMA 4X Enclosures</b> (26 27 16 00-0306)		
26 27 16 00-0307	EA 6" x 4" x 3" Clamp Cover, Aluminum NEMA 4X Enclosure .....	233.66	17.34
26 27 16 00-0308	EA 6" x 6" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure .....	273.66	23.84
26 27 16 00-0309	EA 10" x 8" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure .....	345.64	32.51
26 27 16 00-0310	EA 12" x 10" x 5" Clamp Cover, Aluminum NEMA 4X Enclosure .....	419.86	39.02
26 27 16 00-0311	EA 14" x 12" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure .....	516.69	49.85
26 27 16 00-0312	EA 16" x 14" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure .....	608.02	62.86
<b>26 27 16 00-0313</b>	<b>Clamp Cover, 304 Stainless Steel NEMA 4X Enclosures</b> (26 27 16 00-0305)		
26 27 16 00-0314	EA 4" x 4" x 3", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure .....	272.92	15.17
	<i>For 316 Stainless Steel, Add</i>	37.60	
26 27 16 00-0315	EA 6" x 4" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure .....	354.88	21.67
	<i>For 316 Stainless Steel, Add</i>	48.11	
26 27 16 00-0316	EA 6" x 6" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure .....	402.17	23.84
	<i>For 316 Stainless Steel, Add</i>	54.81	
26 27 16 00-0317	EA 8" x 6" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure .....	460.35	26.01
	<i>For 316 Stainless Steel, Add</i>	63.25	
26 27 16 00-0318	EA 10" x 8" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure .....	565.36	32.51
	<i>For 316 Stainless Steel, Add</i>	77.45	
26 27 16 00-0319	EA 12" x 10" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure .....	795.43	41.18
	<i>For 316 Stainless Steel, Add</i>	110.80	
26 27 16 00-0320	EA 14" x 12" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure .....	991.70	49.85
	<i>For 316 Stainless Steel, Add</i>	138.73	
26 27 16 00-0321	EA 16" x 14" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure .....	1,195.41	62.86
	<i>For 316 Stainless Steel, Add</i>	166.12	
<b>26 27 16 00-0322</b>	<b>Screw Cover, Polycarbonate NEMA 4X Enclosures</b> (26 27 16 00-0305)		
	Note: NEMA 3R, 4, 4X and 12 rated.		
26 27 16 00-0323	EA 6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	126.38	23.84
26 27 16 00-0324	EA 8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	142.34	26.01
26 27 16 00-0325	EA 8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	162.85	30.35
26 27 16 00-0326	EA 10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	177.05	32.51
26 27 16 00-0327	EA 12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	204.58	36.85
26 27 16 00-0328	EA 10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	192.28	36.85
26 27 16 00-0329	EA 12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	224.14	41.18
26 27 16 00-0330	EA 14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	281.02	49.85
26 27 16 00-0331	EA 16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	358.71	68.28
26 27 16 00-0332	EA 18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	461.27	98.29
26 27 16 00-0333	EA 6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	136.06	23.84
26 27 16 00-0334	EA 8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	153.77	26.01
26 27 16 00-0335	EA 8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	175.15	30.35
26 27 16 00-0336	EA 10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	191.98	32.51
26 27 16 00-0337	EA 12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	220.39	36.85
26 27 16 00-0338	EA 10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	207.22	36.85
26 27 16 00-0339	EA 12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	244.41	41.18
26 27 16 00-0340	EA 14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	291.56	49.85
26 27 16 00-0341	EA 16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	380.68	68.28
26 27 16 00-0342	EA 18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	484.99	98.29
<b>26 27 16 00-0343</b>	<b>Hinged Cover, Polycarbonate NEMA 4X Enclosures</b> (26 27 16 00-0305)		
	Note: NEMA 3R, 4, 4X and 12 rated.		
26 27 16 00-0344	EA 6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	153.63	23.84
26 27 16 00-0345	EA 8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	164.31	26.01
26 27 16 00-0346	EA 8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	186.56	30.35
26 27 16 00-0347	EA 10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	201.65	32.51
26 27 16 00-0348	EA 12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	238.85	36.85
26 27 16 00-0349	EA 10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	219.52	36.85
26 27 16 00-0350	EA 12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	269.88	41.18
26 27 16 00-0351	EA 14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	320.56	49.85
26 27 16 00-0352	EA 16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	392.98	68.28
26 27 16 00-0353	EA 18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	506.07	98.29
26 27 16 00-0354	EA 6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	160.66	23.84
26 27 16 00-0355	EA 8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	177.48	26.01
26 27 16 00-0356	EA 8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	198.86	30.35

**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 27 Low-Voltage Distribution Equipment**



MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 27 16 00-0357	EA	10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	214.83	32.51
26 27 16 00-0358	EA	12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	256.42	36.85
26 27 16 00-0359	EA	10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	234.45	36.85
26 27 16 00-0360	EA	12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	288.34	41.18
26 27 16 00-0361	EA	14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	329.35	49.85
26 27 16 00-0362	EA	16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	421.97	68.28
26 27 16 00-0363	EA	18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	536.83	98.29

**26 27 16 00-0364 NEMA 7/9 Enclosures, Lockable** (26 27 16)  
 Note: Nominal inside dimensions.

**26 27 16 00-0365 4" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures** (26 27 16 00-0364)

26 27 16 00-0366	EA	6" x 6" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	1,262.44	121.92
		<i>For Mounting Pan, Add</i>	53.92	
26 27 16 00-0367	EA	6" x 8" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	1,005.30	130.05
		<i>For Mounting Pan, Add</i>	100.47	
26 27 16 00-0368	EA	8" x 10" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	1,969.50	146.30
		<i>For Mounting Pan, Add</i>	138.54	

**26 27 16 00-0369 6" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures** (26 27 16 00-0364)

26 27 16 00-0370	EA	8" x 8" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	1,750.69	146.30
		<i>For Mounting Pan, Add</i>	70.45	
26 27 16 00-0371	EA	8" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,282.72	150.37
		<i>For Mounting Pan, Add</i>	138.54	
26 27 16 00-0372	EA	8" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,335.46	162.56
		<i>For Mounting Pan, Add</i>	105.98	
26 27 16 00-0373	EA	10" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,396.96	162.56
		<i>For Mounting Pan, Add</i>	123.99	
26 27 16 00-0374	EA	10" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,390.06	203.20
		<i>For Mounting Pan, Add</i>	162.67	
26 27 16 00-0375	EA	12" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,196.12	182.88
		<i>For Mounting Pan, Add</i>	101.57	
26 27 16 00-0376	EA	12" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,305.85	203.20
		<i>For Mounting Pan, Add</i>	151.98	
26 27 16 00-0377	EA	12" x 24" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	5,104.51	365.76
		<i>For Mounting Pan, Add</i>	204.47	
26 27 16 00-0378	EA	14" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,054.84	243.84
		<i>For Mounting Pan, Add</i>	199.08	
26 27 16 00-0379	EA	16" x 16" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	5,317.97	406.40
		<i>For Mounting Pan, Add</i>	182.77	
26 27 16 00-0380	EA	18" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	6,376.95	406.40
		<i>For Mounting Pan, Add</i>	297.12	

**26 27 16 00-0381 8" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures** (26 27 16 00-0364)

26 27 16 00-0382	EA	8" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,726.03	182.88
		<i>For Mounting Pan, Add</i>	105.98	
26 27 16 00-0383	EA	10" x 10" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,745.14	182.88
		<i>For Mounting Pan, Add</i>	123.99	
26 27 16 00-0384	EA	10" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,109.18	182.88
		<i>For Mounting Pan, Add</i>	162.67	
26 27 16 00-0385	EA	12" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,445.35	203.20
		<i>For Mounting Pan, Add</i>	101.57	
26 27 16 00-0386	EA	12" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	5,005.90	365.76
		<i>For Mounting Pan, Add</i>	151.98	
26 27 16 00-0387	EA	12" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	6,091.45	447.05
		<i>For Mounting Pan, Add</i>	204.47	
26 27 16 00-0388	EA	12" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	9,573.25	528.33
		<i>For Mounting Pan, Add</i>	307.50	
26 27 16 00-0389	EA	14" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	5,483.47	447.05
		<i>For Mounting Pan, Add</i>	199.08	
26 27 16 00-0390	EA	16" x 16" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	5,633.28	447.05
		<i>For Mounting Pan, Add</i>	182.77	
26 27 16 00-0391	EA	16" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	8,399.55	487.69
		<i>For Mounting Pan, Add</i>	273.96	
26 27 16 00-0392	EA	18" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	6,936.00	447.05
		<i>For Mounting Pan, Add</i>	297.12	
26 27 16 00-0393	EA	18" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	9,269.03	487.69
		<i>For Mounting Pan, Add</i>	434.48	
26 27 16 00-0394	EA	18" x 30" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	9,205.43	487.69
		<i>For Mounting Pan, Add</i>	579.22	
26 27 16 00-0395	EA	18" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	14,295.79	650.25
		<i>For Mounting Pan, Add</i>	723.92	
26 27 16 00-0396	EA	24" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	10,879.08	528.33
		<i>For Mounting Pan, Add</i>	673.12	
26 27 16 00-0397	EA	24" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	19,715.75	812.81
		<i>For Mounting Pan, Add</i>	921.49	

**26 27 16 00-0398 10" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures** (26 27 16 00-0364)

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0399 EA 12" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure ..... <i>For Mounting Pan, Add</i>	9,958.63 307.50	528.33
26 27 16 00-0400 EA 16" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure ..... <i>For Mounting Pan, Add</i>	9,167.13 273.96	487.69
26 27 16 00-0401 EA 18" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure ..... <i>For Mounting Pan, Add</i>	9,987.31 434.48	528.33
26 27 16 00-0402 EA 18" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure ..... <i>For Mounting Pan, Add</i>	12,619.76 723.92	568.97
26 27 16 00-0403 EA 24" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure ..... <i>For Mounting Pan, Add</i>	11,164.21 673.12	568.97
26 27 16 00-0404 EA 24" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure ..... <i>For Mounting Pan, Add</i>	21,481.19 921.49	812.81
<b>26 27 16 00-0405 12" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures</b> <small>(26 27 16 00-0364)</small>		
26 27 16 00-0406 EA 12" x 24" x 12" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure ..... <i>For Mounting Pan, Add</i>	6,228.90 204.47	447.05
<b>26 27 16 00-0407 Breaker Enclosures</b> <small>(26 27 16)</small>		
See CSI section 26 24 16 00-0001 for lighting and power panel boards.		
<b>26 27 16 00-0408 15 To 100 Amperes, F-Frame Breaker Enclosures</b> <small>(26 27 16 00-0407)</small>		
26 27 16 00-0409 EA NEMA 1, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure.....	349.26	86.69
26 27 16 00-0410 EA NEMA 3R, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure.....	638.65	86.69
26 27 16 00-0411 EA NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure.....	1,569.97	119.21
26 27 16 00-0412 EA NEMA 7, Cast Aluminum, 15 To 100 Amperes, F-Frame Breaker Enclosure.....	2,126.67	130.05
26 27 16 00-0413 EA NEMA 9, Cast Aluminum, 15 To 100 Amperes, F-Frame Breaker Enclosure.....	1,552.55	130.05
26 27 16 00-0414 EA NEMA 12, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure.....	550.16	119.21
<b>26 27 16 00-0415 15 To 250 Amperes, H Or J-Frame Breaker Enclosures</b> <small>(26 27 16 00-0407)</small>		
26 27 16 00-0416 EA NEMA 1, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure.....	556.65	119.21
26 27 16 00-0417 EA NEMA 3R, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure.....	1,020.06	119.21
26 27 16 00-0418 EA NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure.....	3,471.78	151.73
26 27 16 00-0419 EA NEMA 12, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure.....	844.98	151.73
<b>26 27 16 00-0420 125 To 400 Amperes, L-Frame Breaker Enclosures</b> <small>(26 27 16 00-0407)</small>		
26 27 16 00-0421 EA NEMA 1, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure.....	874.15	238.42
26 27 16 00-0422 EA NEMA 3R, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure.....	2,016.90	238.42
26 27 16 00-0423 EA NEMA 3/3R/4/4X/5/12, Stainless Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure.....	5,885.66	303.45
26 27 16 00-0424 EA NEMA 12, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure.....	1,447.04	303.45
<b>26 27 16 00-0425 300 To 800 Amperes, M-Frame Breaker Enclosures</b> <small>(26 27 16 00-0407)</small>		
26 27 16 00-0426 EA NEMA 1, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure.....	1,711.56	455.18
26 27 16 00-0427 EA NEMA 3R, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure.....	2,919.35	455.18
26 27 16 00-0428 EA NEMA 3/3R/4/4X/5/12, Stainless Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure.....	10,591.65	585.22
26 27 16 00-0429 EA NEMA 12, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure.....	5,746.54	585.22
<b>26 27 16 00-0430 250 To 1,200 Amperes, P-Frame Breaker Enclosures</b> <small>(26 27 16 00-0407)</small>		
26 27 16 00-0431 EA NEMA 1, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure.....	2,082.83	455.18
26 27 16 00-0432 EA NEMA 3R, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure.....	3,506.50	455.18
26 27 16 00-0433 EA NEMA 3R/5/12, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure.....	7,216.73	585.22
<b>26 27 16 00-0434 Legend Plates</b> <small>(26 27 16)</small>		
26 27 16 00-0435 EA 3" Phenolic Plastic Cabinet Legend Plate Engraved With 1/2" Letters.....	18.78	5.42
26 27 16 00-0436 EA 3" Engraved Aluminum Cabinet Legend Plate Engraved With 1/2" Letters.....	21.00	5.42
<b>26 27 19 Multi-Outlet Assemblies</b> <small>(26 27)</small>		
<b>26 27 19 00-0001 Surface Metal Raceway, Preamsembled With Outlets</b> <small>(26 27 19)</small>		
Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).		
26 27 19 00-0002 LF Single Circuit, Plugmold #2000, 3' With Outlets 6" On Center..... <i>For Concrete Or Masonry Surface, Add</i>	27.17 0.79	7.91
26 27 19 00-0003 LF Single Circuit, Plugmold #2000, 6' With Outlets 6" On Center..... <i>For Concrete Or Masonry Surface, Add</i>	21.15 0.57	5.63
26 27 19 00-0004 LF Single Circuit, Plugmold #2000, 6' With Outlets 9" On Center..... <i>For Concrete Or Masonry Surface, Add</i>	19.80 0.59	5.96
26 27 19 00-0005 LF Single Circuit, Plugmold #2000, 6' With Outlets 12" On Center..... <i>For Concrete Or Masonry Surface, Add</i>	22.00 0.57	5.63
26 27 19 00-0006 LF Single Circuit, Plugmold #2000, 6' With Outlets 18" On Center..... <i>For Concrete Or Masonry Surface, Add</i>	17.63 0.57	5.74
26 27 19 00-0007 LF Two Circuits, Plugmold #2000, 6' With Outlets 9" On Center..... <i>For Concrete Or Masonry Surface, Add</i>	24.77 0.57	5.63
26 27 19 00-0008 LF Two Circuits, Plugmold #2000, 6' With Outlets 12" On Center..... <i>For Concrete Or Masonry Surface, Add</i>	21.74 0.57	5.63
26 27 19 00-0009 LF Two Circuits, Plugmold #2000, 6' With Outlets 18" On Center..... <i>For Concrete Or Masonry Surface, Add</i>	23.57 0.57	5.63

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST
**26 27 23 Indoor Service Poles (26 27)**

26 27 23 00-0001	Communication And Power Poles (26 27 23)		
	Note: Includes separate compartments for power and communication cable. Includes removable cover plates with knock-outs for modular jacks and openings to accept modular furniture adapters for communication devices. Includes all necessary mounting plates and assemblies. Excludes electrical and communications wire, power outlets and communication devices. Wiremold Tele-Power Pole series.		
26 27 23 00-0002	Steel Communication And Power Poles (26 27 23 00-0001)		
26 27 23 00-0003	2-1/4" Width, Steel Communication And Power Poles (26 27 23 00-0002)		
26 27 23 00-0004	2-1/4" Width, Steel Communication And Power Poles (26 27 23 00-0003)		
26 27 23 00-0005	EA 2-1/4" x 2-5/16", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	270.79	48.02
26 27 23 00-0006	EA 2-1/4" x 2-5/16", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	293.49	48.02
26 27 23 00-0007	EA 2-1/4" x 2-5/16", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	319.75	48.02
26 27 23 00-0008	Additional Cover Plates For 2-1/4" Width, Steel Communication And Power Poles (26 27 23 00-0003)		
	Note: Excludes receptacles, communication jacks and wiring.		
26 27 23 00-0009	EA Add-On 2-1/4" Width Steel Cover Plate For Two Duplex Receptacles And One Single Receptacle .....	55.45	9.90
26 27 23 00-0010	EA Add-On 2-1/4" Width Steel Cover Plate For Three Duplex Receptacles.....	48.28	9.90
26 27 23 00-0011	EA Add-On 2-1/4" Width Steel Cover Plate For Two Duplex Receptacles And One GFCI Receptacle.....	54.46	9.90
26 27 23 00-0012	EA Add-On 2-1/4" Width Steel Cover Plate For Data And A/V Modular Devices.....	40.77	9.90
26 27 23 00-0013	EA Add-On 2-1/4" Width Steel Cover Plate Radius Control Entrance End Fitting .....	33.86	9.90
26 27 23 00-0014	2-3/4" Width, Steel Communication And Power Poles (26 27 23 00-0002)		
26 27 23 00-0015	2-3/4" Width, Steel Communication And Power Poles (26 27 23 00-0014)		
26 27 23 00-0016	EA 2-3/4" x 1-17/32", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	348.65	48.02
26 27 23 00-0017	EA 2-3/4" x 1-17/32", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	397.44	48.02
26 27 23 00-0018	EA 2-3/4" x 1-17/32", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	423.77	48.02
26 27 23 00-0019	Additional Cover Plates For 2-3/4" Width, Steel Communication And Power Poles (26 27 23 00-0014)		
	Note: Excludes receptacles and communication jacks.		
26 27 23 00-0020	EA Add-On 2-3/4" Width Steel Cover Plate For One Single Receptacle .....	37.72	9.90
26 27 23 00-0021	EA Add-On 2-3/4" Width Steel Cover Plate For One Duplex Receptacle .....	34.07	9.90
26 27 23 00-0022	EA Add-On 2-3/4" Width Steel Cover Plate For Data And A/V Modular Devices.....	36.68	9.90
26 27 23 00-0023	3" Width, Steel Communication And Power Poles (26 27 23 00-0002)		
26 27 23 00-0024	3" Width, Steel Communication And Power Poles (26 27 23 00-0023)		
26 27 23 00-0025	EA 3" x 2-3/4", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	452.05	48.02
26 27 23 00-0026	EA 3" x 2-3/4", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	510.78	48.02
26 27 23 00-0027	EA 3" x 2-3/4", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	549.50	48.02
26 27 23 00-0028	Additional Cover Plates For 3" Width, Steel Communication And Power Poles (26 27 23 00-0023)		
	Note: Excludes receptacles and communication jacks.		
26 27 23 00-0029	EA Add-On 3" Width Steel Steel Cover Plate For One Single Receptacle .....	37.72	9.90
26 27 23 00-0030	EA Add-On 3" Width Steel Cover Plate For One Duplex Receptacle .....	34.07	9.90
26 27 23 00-0031	EA Add-On 3" Width Steel Cover Plate For Data And A/V Modular Devices.....	36.68	9.90
26 27 23 00-0032	Aluminum Communication And Power Poles (26 27 23 00-0001)		
26 27 23 00-0033	2-1/8" Width, Aluminum Communication And Power Poles (26 27 23 00-0032)		
26 27 23 00-0034	2-1/8" Width, Aluminum Communication And Power Poles (26 27 23 00-0033)		
26 27 23 00-0035	EA 2-1/8" x 2-3/8", 10'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	363.93	48.02
26 27 23 00-0036	EA 2-1/8" x 2-3/8", 12'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	404.99	48.02
26 27 23 00-0037	EA 2-1/8" x 2-3/8", 15'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	451.02	48.02
26 27 23 00-0038	Additional Cover Plates For 2-1/8" Width, Aluminum Communication And Power Poles (26 27 23 00-0033)		
26 27 23 00-0039	EA Add-On 2-1/8" Width Aluminum Cover Plate For Two Duplex Receptacles And One Single Receptacle.....	56.85	9.90
26 27 23 00-0040	EA Add-On 2-1/8" Width Aluminum Cover Plate For Three Duplex Receptacles.....	58.01	9.90
26 27 23 00-0041	EA Add-On 2-1/8" Width Aluminum Cover Plate For Two Duplex Receptacles And One GFCI Receptacle.....	61.87	9.90
26 27 23 00-0042	EA Add-On 2-1/8" Width Aluminum Cover Plate For Data And A/V Modular Devices.....	42.93	9.90
26 27 23 00-0043	EA Add-On 2-1/8" Width Aluminum Radius Control Entrance End Fitting .....	33.86	9.90
26 27 23 00-0044	2-1/4" Width, Aluminum Communication And Power Poles (26 27 23 00-0032)		
26 27 23 00-0045	EA 2-1/4" x 2-5/16", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	351.10	48.02
26 27 23 00-0046	EA 2-1/4" x 2-5/16", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	393.22	48.02
26 27 23 00-0047	EA 2-1/4" x 2-5/16", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	442.84	48.02



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 27 23 00-0048	5" Width, Aluminum Communication And Power Poles <small>(26 27 23 00-0032)</small>		
26 27 23 00-0049	EA 5" x 4-3/4", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	726.24	48.02
26 27 23 00-0050	EA 5" x 4-3/4", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	829.53	48.02
26 27 23 00-0051	EA 5" x 4-3/4", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	945.22	48.02
26 27 23 00-0052	2" Diameter, Round Aluminum Communication And Power Pole <small>(26 27 23 00-0032)</small>		
26 27 23 00-0053	EA 2" Diameter, 10'-4" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	398.17	48.02
26 27 23 00-0054	EA 2" Diameter, 10'-4" Height, Painted White Finish, Aluminum Communication And Power Pole.....	377.36	48.02
26 27 23 00-0055	EA 2" Diameter, 10'-4" Height, Polished Anodized Finish, Aluminum Communication And Power Pole.....	481.25	48.02
<b>26 27 26</b>	<b>Wiring Devices</b> <small>(26 27)</small>		
	<small>Note: Includes device, installation, wire connections, support clips (where necessary) and testing. Assemblies include outlet device, cover plate, mounting and appropriate box.</small>		
26 27 26 00-0001	Receptacles <small>(26 27 26)</small>		
26 27 26 00-0002	Television Receptacle <small>(26 27 26 00-0001)</small>		
26 27 26 00-0003	EA TV Receptacle With Cover (Type F), Complete.....	73.45	25.14
26 27 26 00-0004	General Use Receptacles <small>(26 27 26 00-0001)</small>		
26 27 26 00-0005	Receptacle Assemblies <small>(26 27 26 00-0004)</small>		
	<small>Note: Includes 4" square steel box, bracket, mud ring, receptacle and cover plate.</small>		
26 27 26 00-0006	EA 15 Amperes, 1 Gang, NEMA 5-15, Duplex Receptacle Assembly.....	93.69	38.48
26 27 26 00-0007	EA 20 Amperes, 1 Gang, NEMA 5-20, Duplex Receptacle Assembly.....	100.26	41.18
26 27 26 00-0008	EA 15 Amperes, 2 Gang, NEMA 5-15, Duplex Receptacle Assembly.....	120.15	49.31
26 27 26 00-0009	EA 20 Amperes, 2 Gang, NEMA 5-20, Duplex Receptacle Assembly.....	133.32	54.73
26 27 26 00-0010	EA 15 Amperes, 1 Gang, GFI, Duplex Receptacle Assembly.....	109.47	38.48
26 27 26 00-0011	EA 20 Amperes, 1 Gang, GFI, Duplex Receptacle Assembly.....	116.88	41.18
26 27 26 00-0012	Receptacle Components <small>(26 27 26 00-0004)</small>		
26 27 26 00-0013	EA 15 Amperes, 125 Volt, 1 Phase, NEMA 5-15, Single Receptacle.....	25.98	10.84
26 27 26 00-0014	EA 15 Amperes, 125 Volt, 1 Phase, NEMA 5-15, Duplex Receptacle.....	25.05	10.84
26 27 26 00-0015	EA 15 Amperes, 120/277 Volt, 3 Wire, Single Receptacle.....	30.48	10.84
26 27 26 00-0016	EA 15 Amperes, 120/277 Volt, 3 Wire, Duplex Receptacle.....	33.62	10.84
26 27 26 00-0017	EA 15 Amperes, 250 Volt, 1 Phase, NEMA 6-15, Single Receptacle.....	43.05	13.54
26 27 26 00-0018	EA 15 Amperes, 250 Volt, 1 Phase, NEMA 6-15, Duplex Receptacle.....	53.35	13.54
26 27 26 00-0019	EA 20 Amperes, 125 Volt, 1 Phase, NEMA 5-20, Single Receptacle.....	27.18	10.84
26 27 26 00-0020	EA 20 Amperes, 125 Volt, 1 Phase, NEMA 5-20, Duplex Receptacle.....	26.22	10.84
26 27 26 00-0021	EA 20 Amperes, 120/277 Volt, Single Receptacle.....	40.36	10.84
26 27 26 00-0022	EA 20 Amperes, 120/277 Volt, Duplex Receptacle.....	32.63	10.84
26 27 26 00-0023	EA 20 Amperes, 250 Volt, 1 Phase, NEMA 6-20, Single Receptacle.....	43.05	13.54
26 27 26 00-0024	EA 20 Amperes, 250 Volt, 1 Phase, NEMA 6-20, Duplex Receptacle.....	53.35	13.54
26 27 26 00-0025	EA 20 Amperes, 125/250 Volt, 1 Phase, NEMA 14-20, Single Receptacle.....	86.41	13.54
26 27 26 00-0026	EA 20 Amperes, 250 Volt, 3 Phase, NEMA 15-20, Single Receptacle.....	86.41	13.54
26 27 26 00-0027	EA 25 Amperes, 120/277 Volt, Duplex Receptacle.....	70.60	16.26
26 27 26 00-0028	Specialty Receptacles <small>(26 27 26 00-0001)</small>		
26 27 26 00-0029	Specialty Receptacles <small>(26 27 26 00-0028)</small>		
26 27 26 00-0030	EA 30 Amperes, 125 Volt, 1 Phase, NEMA 5-30, Single Receptacle.....	61.32	18.97
26 27 26 00-0031	EA 30 Amperes, 250 Volt, 1 Phase, NEMA 6-30, Single Receptacle.....	61.32	18.97
26 27 26 00-0032	EA 30 Amperes, 125/250 Volt, NEMA 10-30, Single Receptacles.....	71.70	18.97
26 27 26 00-0033	EA 30 Amperes, 125/250 Volt, 1 Phase, NEMA 14-30, Single Receptacle.....	97.24	18.97
26 27 26 00-0034	EA 30 Amperes, 250 Volt, 3 Phase, NEMA 15-30, Single Receptacle.....	102.66	21.67
26 27 26 00-0035	EA 50 Amperes, 125 Volt, 1 Phase, NEMA 5-50, Single Receptacle.....	94.09	21.67
26 27 26 00-0036	EA 50 Amperes, 250 Volt, 1 Phase, NEMA 6-50, Single Receptacle.....	91.68	21.67
26 27 26 00-0037	EA 50 Amperes, 277 Volt, NEMA 7-50, Single Receptacle.....	79.22	21.67
26 27 26 00-0038	EA 50 Amperes, 125/250 Volt, NEMA 10-50, Single Receptacle.....	86.59	21.67
26 27 26 00-0039	EA 50 Amperes, 125/250 Volt, 1 Phase, NEMA 14-50, Single Receptacle.....	115.84	21.67
26 27 26 00-0040	EA 50 Amperes, 250 Volt, 3 Phase, NEMA 15-50, Single Receptacle.....	121.26	24.38
26 27 26 00-0041	EA 60 Amperes, 125/250 Volt, 1 Phase, NEMA 14-60, Single Receptacle.....	133.26	27.10
26 27 26 00-0042	EA 60 Amperes, 250 Volt, 3 Phase, NEMA 15-60, Single Receptacle.....	144.10	32.51
26 27 26 00-0043	EA 100 Amperes, 480 Volt, 3 Phase, Joy Receptacle With Box, Complete.....	1,389.44	254.68
26 27 26 00-0044	EA 400 Amperes, 4 Pole Weatherproof Generator Receptacle With Box, Complete.....	3,538.48	311.58
26 27 26 00-0045	EA 30 Amperes, 230 Volt, Dryer Receptacle.....	73.60	21.67
26 27 26 00-0046	EA 60 Amperes, 230 Volt, Range Receptacle.....	107.39	32.51
26 27 26 00-0047	EA 15 Or 20 Amperes, 120/277 Volt, Clock Hanger Receptacle.....	72.13	13.54
26 27 26 00-0048	EA Cable Reel With 20 Amperes, 120 Volt Receptacle, Complete.....	1,430.21	329.99
26 27 26 00-0049	Isolated Ground Receptacles <small>(26 27 26 00-0028)</small>		
26 27 26 00-0050	EA 15 Amperes, 125 Volt, NEMA 5-15R Isolated Ground Receptacle, Simplex.....	78.15	10.84
	<small>Note: 2 Pole, 3 wire.</small>		
26 27 26 00-0051	EA 20 Amperes, 120 Volt Isolated Ground Receptacles, Simplex.....	60.40	13.54
26 27 26 00-0052	EA 20 Amperes, 120 Volt Isolated Ground Receptacles, Duplex.....	60.16	13.54
26 27 26 00-0053	EA 30 Amperes, 120 Volt Isolated Ground Receptacles, Simplex.....	82.36	21.67
26 27 26 00-0054	EA Locking 15 Amperes, 250 Volt Isolated Ground Receptacles.....	68.33	13.54
26 27 26 00-0055	EA Locking 15 Amperes, 277 Volt Isolated Ground Receptacles.....	62.16	13.54

**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 27 Low-Voltage Distribution Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0056	EA		Locking 20 Amperes, 120/208 Volt Isolated Ground Receptacles .....	86.88	16.26
26 27 26 00-0057	EA		Locking 20 Amperes, 277/480 Volt Isolated Ground Receptacles .....	67.66	16.26
26 27 26 00-0058	EA		Locking 20 Amperes, 347/600 Volt Isolated Ground Receptacles .....	89.16	16.26
26 27 26 00-0059	EA		Locking 30 Amperes, 120/208 Volt Isolated Ground Receptacles .....	110.12	16.26
26 27 26 00-0060	EA		Locking 30 Amperes, 277 Volt Isolated Ground Receptacles .....	106.18	21.67
<b>26 27 26 00-0061</b>			<b>Explosion Proof Receptacles (26 27 26 00-0028)</b>		
26 27 26 00-0062	EA		1/2", 20 Amperes, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly .....	778.25	27.10
26 27 26 00-0063	EA		3/4", 20 Amperes, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly .....	717.44	29.80
26 27 26 00-0064	EA		3/4", 30 Amperes, 2 Watt, 3 Pole, Type CES/CESD Explosion Proof Receptacle Assembly .....	1,193.15	54.18
26 27 26 00-0065	EA		3/4", 30 Amperes, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly .....	1,501.89	54.18
26 27 26 00-0066	EA		1-1/4", 60 Amperes, 2 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly .....	1,901.42	81.28
26 27 26 00-0067	EA		1-1/4", 60 Amperes, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly .....	1,812.04	81.28
<b>26 27 26 00-0068</b>			<b>Ground Fault Circuit Interrupter (GFCI) (26 27 26 00-0028)</b>		
26 27 26 00-0069	EA		15 Amperes, Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle .....	38.13	13.54
26 27 26 00-0070	EA		20 Amperes, Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle .....	53.67	16.26
<b>26 27 26 00-0071</b>			<b>Arc Fault Circuit Interrupter (AFCI) (26 27 26 00-0028)</b>		
26 27 26 00-0072	EA		15 Amperes, 125 Volt Duplex Arc Fault Circuit Interrupter (AFCI), Tamper Resistant Receptacle .....	72.54	13.54
26 27 26 00-0073	EA		20 Amperes, 125 Volt Duplex Arc Fault Circuit Interrupter (AFCI), Tamper Resistant Receptacle .....	80.19	13.54
<b>26 27 26 00-0074</b>			<b>Locking Receptacle (26 27 26 00-0028)</b>		
26 27 26 00-0075	EA		NEMA L5-15, 125 Volt, 2 Pole, 15 Amperes, Locking Receptacle.....	48.33	13.54
26 27 26 00-0076	EA		NEMA L6-15, 250 Volt, 2 Pole, 15 Amperes, Locking Receptacle.....	59.35	13.54
26 27 26 00-0077	EA		NEMA L5-20, 125 Volt, 2 Pole, 20 Amperes, Locking Receptacle.....	53.62	16.26
26 27 26 00-0078	EA		NEMA L6-20, 250 Volt, 2 Pole, 20 Amperes, Locking Receptacle.....	53.13	16.26
26 27 26 00-0079	EA		NEMA L8-20, 480 Volt, 2 Pole, 20 Amperes, Locking Receptacle.....	62.82	16.26
26 27 26 00-0080	EA		NEMA L9-20, 600 Volt, 2 Pole, 20 Amperes, Locking Receptacle.....	75.35	16.26
26 27 26 00-0081	EA		NEMA L10-20, 125/250 Volt, 3 Pole, 20 Amperes, Locking Receptacle.....	73.97	16.26
26 27 26 00-0082	EA		NEMA L14-20, 125/250 Volt, 3 Pole, 20 Amperes, Locking Receptacle.....	64.81	16.26
26 27 26 00-0083	EA		NEMA L5-30, 125 Volt, 2 Pole, 30 Amperes, Locking Receptacle.....	73.99	21.67
26 27 26 00-0084	EA		NEMA L6-30, 250 Volt, 2 Pole, 30 Amperes, Locking Receptacle.....	75.16	21.67
26 27 26 00-0085	EA		NEMA L15-30, 250 Volt, 3 Pole, 30 Amperes, Locking Receptacle.....	114.67	21.67
<b>26 27 26 00-0086</b>			<b>Hospital Grade Receptacle (26 27 26 00-0028)</b>		
26 27 26 00-0087	EA		15 Amperes, Heavy Duty Hospital Grade, NEMA 5-15, Single Receptacle .....	44.52	10.84
26 27 26 00-0088	EA		15 Amperes, Heavy Duty Hospital Grade, NEMA 5-15, Duplex Receptacle.....	48.46	10.84
26 27 26 00-0089	EA		20 Amperes, Heavy Duty Hospital Grade, NEMA 5-20, Duplex Receptacle.....	52.63	10.84
26 27 26 00-0090	EA		20 Amperes, Heavy Duty Hospital Grade, NEMA 5-20, Duplex Receptacle, Isolated Ground .....	60.54	10.84
26 27 26 00-0091	EA		20 Amperes, Extra Heavy Duty Hospital Grade, NEMA 5-20, Duplex Receptacle .....	53.23	10.84
26 27 26 00-0092	EA		20 Amperes, Extra Heavy Duty Hospital Grade, NEMA 5-20, Duplex Receptacle, Isolated Ground .....	61.41	10.84
26 27 26 00-0093	EA		120 Volt, Transient Voltage, Surge Suppressor Receptacle .....	164.32	32.51
			Note: Hospital grade receptacle.		
<b>26 27 26 00-0094</b>			<b>Weathertight Pin And Sleeve Receptacle (26 27 26 00-0028)</b>		
26 27 26 00-0095	EA		20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R4W) .....	263.44	54.18
26 27 26 00-0096	EA		20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R6W) .....	262.80	54.18
26 27 26 00-0097	EA		20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R7W) .....	274.89	54.18
26 27 26 00-0098	EA		20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R12W) .....	337.01	59.61
26 27 26 00-0099	EA		20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R9W) .....	338.02	59.61
26 27 26 00-0100	EA		20 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R7W) .....	335.69	59.61
26 27 26 00-0101	EA		30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R4W) .....	403.56	66.65
26 27 26 00-0102	EA		30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R6W) .....	383.89	66.65
26 27 26 00-0103	EA		30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R7W) .....	414.68	66.65
26 27 26 00-0104	EA		30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R12W) .....	417.38	73.15
26 27 26 00-0105	EA		30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R9W) .....	417.00	73.15
26 27 26 00-0106	EA		30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R7W) .....	419.79	73.15
26 27 26 00-0107	EA		60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R4W) .....	591.28	86.69
26 27 26 00-0108	EA		60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R6W) .....	567.47	86.69
26 27 26 00-0109	EA		60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R7W) .....	582.97	86.69
26 27 26 00-0110	EA		60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R12W) .....	649.24	96.45
26 27 26 00-0111	EA		60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R9W) .....	649.70	96.45
26 27 26 00-0112	EA		60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R7W) .....	650.16	96.45
26 27 26 00-0113	EA		100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R6W) .....	722.37	108.38
26 27 26 00-0114	EA		100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R7W) .....	752.90	108.38
26 27 26 00-0115	EA		100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R12W) .....	809.34	119.21
26 27 26 00-0116	EA		100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R9W) .....	807.05	119.21
26 27 26 00-0117	EA		100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R7W) .....	811.36	119.21
<b>26 27 26 00-0118</b>			<b>Corrosion Resistant Receptacle (26 27 26 00-0028)</b>		
26 27 26 00-0119	EA		15/20 Amperes, 125 Volt Corrosion Resistant, Power Receptacles .....	76.68	10.84
26 27 26 00-0120	EA		15/20 Amperes, 250 Volt Corrosion Resistant, Power Receptacles .....	157.08	13.54
<b>26 27 26 00-0121</b>			<b>Tamper Resistant Receptacle (26 27 26 00-0028)</b>		

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 27 26 00-0122	EA			15 Amperes, 125 Volt Duplex Tamper Resistant Receptacle ..... Note: Pass & Seymour 3232-TR.	26.39	10.84
26 27 26 00-0123	EA			20 Amperes, 125 Volt Duplex Tamper Resistant Receptacle ..... Note: Pass & Seymour TR20.	28.83	10.84
26 27 26 00-0124	EA			15 Amperes, 125 Volt Single Specification Grade Tamper Resistant Receptacle ..... Note: Pass & Seymour TR5251.	35.80	10.84
26 27 26 00-0125	EA			20 Amperes, 125 Volt Single Specification Grade Tamper Resistant Receptacle ..... Note: Pass & Seymour TR5351.	39.08	10.84
26 27 26 00-0126	EA			15 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Tamper Resistant Receptacle ..... Note: Pass & Seymour S1595-TR*CC8.	58.74	10.84
26 27 26 00-0127	EA			15 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle ..... Note: Pass & Seymour 1595-TRS.	63.43	10.84
26 27 26 00-0128	EA			20 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle ..... Note: Pass & Seymour 2095-TRS.	67.90	10.84
<b>26 27 26 00-0129</b>				<b>USB Charger/Duplex Tamper-Resistant Receptacles (26 27 26 00-0028)</b>		
26 27 26 00-0130	EA			15 Amperes, 125 Volt Duplex USB Charger/Duplex Tamper-Resistant Receptacle .....	60.49	10.84
26 27 26 00-0131	EA			20 Amperes, 125 Volt Duplex USB Charger/Duplex Tamper-Resistant Receptacle .....	65.34	10.84
<b>26 27 26 00-0132</b>				<b>Switches (26 27 26)</b>		
<b>26 27 26 00-0133</b>				<b>Switches (26 27 26 00-0132)</b>		
<b>26 27 26 00-0134</b>				<b>Switch Assemblies (26 27 26 00-0133)</b> Note: Includes 4" square steel box, bracket, mud ring, switch and cover plate.		
26 27 26 00-0135	EA			1 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly .....	97.67	37.93
26 27 26 00-0136	EA			1 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly .....	104.74	41.18
26 27 26 00-0137	EA			2 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly .....	130.84	49.58
26 27 26 00-0138	EA			2 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly .....	142.81	55.00
26 27 26 00-0139	EA			3 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly .....	224.73	85.07
26 27 26 00-0140	EA			3 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly .....	242.69	93.20
26 27 26 00-0141	EA			4 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly .....	257.92	96.18
26 27 26 00-0142	EA			4 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly .....	281.88	107.01
<b>26 27 26 00-0143</b>				<b>Switch Components (26 27 26 00-0133)</b>		
26 27 26 00-0144	EA			15 Amperes, 120/277 Volt, SPST Switch .....	30.13	10.84
26 27 26 00-0145	EA			15 Amperes, 120/277 Volt, 3-Way Switch .....	38.22	13.54
26 27 26 00-0146	EA			15 Amperes, 120/277 Volt, 4-Way Switch .....	75.60	21.67
26 27 26 00-0147	EA			15 Amperes, 120/277 Volt, DPST Switch .....	35.05	10.84
26 27 26 00-0148	EA			15 Amperes, 120/277 Volt, Thermal Switch .....	69.15	13.54
26 27 26 00-0149	EA			20 Amperes, 120/277 Volt, SPST Switch .....	36.13	13.54
26 27 26 00-0150	EA			20 Amperes, 120/277 Volt, 3-Way Switch .....	44.86	16.26
26 27 26 00-0151	EA			20 Amperes, 120/277 Volt, 4-Way Switch .....	104.86	21.67
26 27 26 00-0152	EA			20 Amperes, 120/277 Volt, DPST Switch .....	44.01	13.54
26 27 26 00-0153	EA			20 Amperes, 120/277 Volt, DPDT Switch .....	47.51	13.54
26 27 26 00-0154	EA			15 Amperes, 120/277 Volt, Single Pole, Toggle, Three Position, Center Off, Momentary Contact Switch .....	71.58	13.57
26 27 26 00-0155	EA			15 Amperes, 120/277 Volt, Key Operated, Single Pole, Three Position, Center Off, Momentary Contact Switch .....	90.09	13.57
26 27 26 00-0156	EA			Momentary Contact Switch With Separate Neon Pilot .....	69.00	16.29
				Note: Neon Pilot is 125 V, 1 / 125W.		
26 27 26 00-0157	EA			20 Amperes, 125 Volt AC, Single Pole, Maintained Contact Switch With Center Off ..... Note: Or 250 VAC 10 Amp, double throw BAT handle.	55.45	18.97
26 27 26 00-0158	EA			20 Amperes, 125 Volt AC, Double Pole, Maintained Contact Switch ..... Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.	68.87	21.67
26 27 26 00-0159	EA			20 Amperes, 125 Volt AC, Three Pole, Maintained Contact Switch ..... Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.	104.93	21.67
26 27 26 00-0160	EA			30 Amperes, 120/277 Volt, Single Pole, Local Switch .....	72.24	21.71
26 27 26 00-0161	EA			30 Amperes, 120/277 Volt, Double Pole, Local Switch .....	88.88	21.71
26 27 26 00-0162	EA			30 Amperes, 120/277 Volt, Three-Way Local Switch .....	93.10	27.15
26 27 26 00-0163	EA			30 Amperes, 120/277 Volt, Four-Way Local Switch .....	129.70	29.86
26 27 26 00-0164	EA			15 Amperes, 120/277 Volt, Local Switch With Neon Pilot .....	62.85	17.76
26 27 26 00-0165	EA			15 Amperes, 120/277 Volt, Local Switch With Separate Neon Pilot .....	88.21	17.76
				Note: Neon pilot is 125V, 1/25W. Requires 2 gang installation.		
26 27 26 00-0166	EA			15 Amperes, 120 Volt, Clear Toggle, Lighted In On Position, Single Pole, Lighted Toggle Switch .....	77.28	17.76
26 27 26 00-0167	EA			15 Amperes, 120 Volt, Ivory Toggle, Lighted In Off Position, Lighted Toggle Switch .....	73.52	17.76
26 27 26 00-0168	EA			6 Amperes, 125 Volt, Door Open-Light On, Automatic Door Switch .....	80.60	8.80
26 27 26 00-0169	EA			6 Amperes, 125 Volt, Door Closed-Light On, Automatic Door Switch .....	85.70	8.80
26 27 26 00-0170	EA			15 Amperes, 120/277 Volt, Three Position, Center Off, Toggle, Single Pole Momentary Contact Switch .....	91.89	33.88
26 27 26 00-0171	EA			Three Position, Center Off, Key Operated, Momentary Contact Switch .....	110.40	33.88
				Note: 15A, 120/277 V, Single Pole		
26 27 26 00-0172	EA			Single Pole, Slide Dimmer (Leviton IP710-LFZ) .....	131.04	10.86
26 27 26 00-0173	EA			8 Amperes, 120/277 Volt, 0 To 10 Volt Dimmer LED Control Switch, White (Lutron DVSTV-WH) .....	90.09	10.86
26 27 26 00-0174	EA			120/277 Volt, (8 Amperes Lighting/3 Amperes Fan), Wireless Dimming Switch (Lutron MRF2-8S-DV-WH) .....	220.91	10.84
26 27 26 00-0175	EA			120 Volt, Companion Wireless Dimmer Switch (Lutron MA-AS-WH) .....	47.45	10.84
26 27 26 00-0176	EA			1200VA 0-10V LED And Fluorescent, Sunrise Electronic Wall Dimmer (Philips SR1200ZTUNV) .....	96.41	10.86
26 27 26 00-0177	EA			1 Zone, 2 Button Wireless Scheduling Switch (LG 9SSA2B1T520.ALWB000) .....	111.55	10.86
26 27 26 00-0178	EA			2 Zone, 4 Button Wireless Scheduling Switch (LG 9SSA2B2T520.ALWB000) .....	144.57	10.86
26 27 26 00-0179	EA			Wireless Single Rocker Remote Switch (Leviton WSS0S-S9) .....	134.89	10.86
<b>26 27 26 00-0180</b>				<b>Specialty Switches (26 27 26 00-0132)</b>		
<b>26 27 26 00-0181</b>				<b>Dimmers With SPST Switch (26 27 26 00-0180)</b>		

**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 27 Low-Voltage Distribution Equipment**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 27 26 00-0182	EA	600 Watt Dimmers With SPST Switch .....	67.04		24.38
26 27 26 00-0183	EA	1,000 Watt Dimmers With SPST Switch .....	124.10		24.38
26 27 26 00-0184	EA	1,500 Watt Dimmers With SPST Switch .....	225.82		39.23
26 27 26 00-0185	EA	2,000 Watt Dimmers With SPST Switch .....	298.61		39.23
26 27 26 00-0186	EA	600 Watt Fluorescent Dimmer Switch.....	162.76		28.93
26 27 26 00-0187	EA	1,000 Watt Fluorescent Dimmer Switch.....	225.40		28.93
26 27 26 00-0188	EA	1,500 Watt Fluorescent Dimmer Switch.....	412.31		43.68
26 27 26 00-0189	EA	Remote Speed Switch For Paddle Fan.....	112.49		36.09
26 27 26 00-0190	EA	600 Watt Combination Remote Speed Switch/Incandescent Dimmer .....	188.36		53.86
<b>26 27 26 00-0191</b>		<b>Time Switches</b> <small>(26 27 26 00-0180)</small>			
26 27 26 00-0192	EA	40 Amperes, 125 Volt, SPST, Standard Time Switch .....	130.92		32.51
26 27 26 00-0193	EA	40 Amperes, 277 Volt, SPST, Standard Time Switch .....	134.22		32.51
26 27 26 00-0194	EA	40 Amperes, 125 Volt, DPST, Standard Time Switch .....	130.92		32.51
26 27 26 00-0195	EA	40 Amperes, 277 Volt, DPST, Standard Time Switch.....	134.22		32.51
26 27 26 00-0196	EA	40 Amperes, 125 Volt, SPST, 7-Day Time Switch .....	152.89		32.51
26 27 26 00-0197	EA	40 Amperes, 277 Volt, SPST, 7-Day Time Switch .....	152.89		32.51
26 27 26 00-0198	EA	40 Amperes, 125 Volt, DPDT, 7-Day Time Switch.....	282.49		32.51
26 27 26 00-0199	EA	40 Amperes, 277 Volt, DPDT, 7-Day Time Switch.....	282.49		32.51
26 27 26 00-0200	EA	20 Amperes, 125 Volt, SPST, Programmable Time Switch.....	240.91		32.51
26 27 26 00-0201	EA	20 Amperes, 277 Volt, SPST, Programmable Time Switch .....	266.30		32.51
26 27 26 00-0202	EA	20 Amperes, 277 Volt, SPST, Weatherproof Programmable Time Switch.....	266.30		32.51
26 27 26 00-0203	EA	40 Amperes, 125 Volt, 4PST, Astro Dial Time Switch.....	326.32		32.51
26 27 26 00-0204	EA	40 Amperes, 277 Volt, 4PST, Astro Dial Time Switch.....	336.42		32.51
26 27 26 00-0205	EA	40 Amperes, 125 Volt, SPST, Weatherproof Standard Time Switch.....	130.92		32.51
26 27 26 00-0206	EA	40 Amperes, 277 Volt, SPST, Weatherproof Standard Time Switch.....	134.22		32.51
26 27 26 00-0207	EA	40 Amperes, 125 Volt, DPST, Weatherproof Standard Time Switch .....	130.92		32.51
26 27 26 00-0208	EA	40 Amperes, 277 Volt, DPST, Weatherproof Standard Time Switch .....	134.22		32.51
26 27 26 00-0209	EA	40 Amperes, 125 Volt, SPST, Weatherproof 7-Day Time Switch .....	152.89		32.51
26 27 26 00-0210	EA	40 Amperes, 277 Volt, SPST, Weatherproof 7-Day Time Switch .....	152.89		32.51
26 27 26 00-0211	EA	40 Amperes, 125 Volt, DPDT, Weatherproof 7-Day Time Switch.....	282.49		32.51
26 27 26 00-0212	EA	40 Amperes, 277 Volt, DPDT, Weatherproof 7-Day Time Switch.....	282.49		32.51
26 27 26 00-0213	EA	40 Amperes, 125 Volt, 4PST, Weatherproof Astro Dial Time Switch.....	326.32		32.51
26 27 26 00-0214	EA	40 Amperes, 277 Volt, 4PST, Weatherproof Astro Dial Time Switch.....	336.42		32.51
<b>26 27 26 00-0215</b>		<b>Low Voltage Switching</b> <small>(26 27 26 00-0180)</small>			
26 27 26 00-0216	EA	36 Pin Male Or Female Connector.....	234.73		10.84
<b>26 27 26 00-0217</b>		<b>Other Switches</b> <small>(26 27 26 00-0180)</small>			
26 27 26 00-0218	EA	Pull Chain Switch 120/277 Volt AC Installed In Light Fixture .....	36.58		16.26
26 27 26 00-0219	EA	SPST Locking Switch For Concealed Devices .....	115.02		43.35
26 27 26 00-0220	EA	3-Way Locking Switch For Concealed Devices.....	116.78		43.35
26 27 26 00-0221	EA	Emergency Off Switch, With 1 Non-Closing Contact, Circular, Red, With Guard.....	131.26		40.53
26 27 26 00-0222	EA	15 Amperes Momentary Contact Switch.....	124.06		40.53
26 27 26 00-0223	EA	20 Amperes Momentary Contact Switch.....	131.64		40.53
26 27 26 00-0224	EA	2-1/4" Handy Box Cover Units Fuseholder Switch.....	118.85		48.86
26 27 26 00-0225	EA	2-3/4" Handy Box Cover Units Fuseholder Switch.....	120.97		48.86
26 27 26 00-0226	EA	4" Square Box Cover Units With 2 Fuseholders And 2 Switches.....	149.02		59.72
26 27 26 00-0227	EA	4" Square Box Cover Units With 1 Fuseholder And 1 Switch .....	135.52		54.28
26 27 26 00-0228	EA	4" Octagon Box Cover Units With 1 Fuseholder And 1 Switch .....	136.05		54.28
<b>26 27 26 00-0229</b>		<b>Hospital Grade Switches</b> <small>(26 27 26 00-0180)</small>			
26 27 26 00-0230	EA	15 Amperes, 120/277 Volt, SPST Hospital Grade Switch.....	30.13		10.84
26 27 26 00-0231	EA	20 Amperes, 120/277 Volt, SPST Hospital Grade Switch.....	36.13		13.54
<b>26 27 26 00-0232</b>		<b>Plates And Covers</b> <small>(26 27 26)</small>			
<b>26 27 26 00-0233</b>		<b>Wall Plates</b> <small>(26 27 26 00-0232)</small>			
<b>26 27 26 00-0234</b>		<b>Nylon Wall Plates</b> <small>(26 27 26 00-0233)</small>			
26 27 26 00-0235	EA	1 Gang Nylon Switch Wall Plates.....	1.68		0.54
26 27 26 00-0236	EA	2 Gang Nylon Switch Wall Plates.....	2.84		0.81
26 27 26 00-0237	EA	3 Gang Nylon Switch Wall Plates.....	4.03		1.08
26 27 26 00-0238	EA	4 Gang Nylon Switch Wall Plate .....	5.79		1.36
26 27 26 00-0239	EA	1 Gang Duplex Nylon Wall Plate.....	1.70		0.54
26 27 26 00-0240	EA	2 Gang Duplex Nylon Wall Plate.....	2.91		0.81
<b>26 27 26 00-0241</b>		<b>Plastic Wall Plates</b> <small>(26 27 26 00-0233)</small>			
26 27 26 00-0242	EA	1 Gang Plastic Switch Wall Plates .....	1.56		0.54
26 27 26 00-0243	EA	2 Gang Plastic Switch Wall Plates .....	2.60		0.81
26 27 26 00-0244	EA	3 Gang Plastic Switch Wall Plates .....	3.65		1.08
26 27 26 00-0245	EA	4 Gang Plastic Switch Wall Plates .....	5.79		1.36
26 27 26 00-0246	EA	1 Gang Duplex Plastic Wall Plate .....	1.56		0.54
26 27 26 00-0247	EA	2 Gang Duplex Plastic Wall Plate .....	2.61		0.81
<b>26 27 26 00-0248</b>		<b>Thermoplastic Wall Plates (Hospital Grade)</b> <small>(26 27 26 00-0233)</small>			
26 27 26 00-0249	EA	1 Gang Thermoplastic Hospital Grade Switch Wall Plate .....	7.45		0.54

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 27 26 00-0250	EA		2 Gang Thermoplastic Hospital Grade Switch Wall Plate .....	9.04	0.81
26 27 26 00-0251	EA		3 Gang Thermoplastic Hospital Grade Switch Wall Plate .....	14.15	1.08
26 27 26 00-0252	EA		4 Gang Thermoplastic Hospital Grade Switch Wall Plate .....	20.67	1.36
26 27 26 00-0253	EA		1 Gang Duplex Thermoplastic Hospital Grade Wall Plate .....	10.97	0.54
26 27 26 00-0254	EA		2 Gang Duplex Thermoplastic Hospital Grade Wall Plate .....	17.26	0.81

**26 27 26 00-0255 Brass Wall Plates** (26 27 26 00-0233)

26 27 26 00-0256	EA		1 Gang, 0.04" Brass Switch Wall Plates .....	16.30	2.44
26 27 26 00-0257	EA		2 Gang, 0.04" Brass Switch Wall Plates .....	30.42	2.82
26 27 26 00-0258	EA		3 Gang, 0.04" Brass Switch Wall Plates .....	44.44	3.15
26 27 26 00-0259	EA		4 Gang, 0.04" Brass Switch Wall Plates .....	69.03	3.42
26 27 26 00-0260	EA		5 Gang, 0.04" Brass Switch Wall Plates .....	84.03	3.64
26 27 26 00-0261	EA		6 Gang, 0.04" Brass Switch Wall Plates .....	97.24	3.80
26 27 26 00-0262	EA		1 Gang, 0.04" Brass Duplex Receptacle Wall Plate.....	16.30	2.44
26 27 26 00-0263	EA		2 Gang, 0.04" Brass Duplex Receptacle Wall Plate.....	35.62	2.82
26 27 26 00-0264	EA		3 Gang 0.04" Brass Duplex Receptacle Wall Plate.....	51.29	3.15

**26 27 26 00-0265 Stainless Steel Wall Plates** (26 27 26 00-0233)

26 27 26 00-0266	EA		1 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates .....	8.79	2.44
26 27 26 00-0267	EA		2 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates .....	14.02	2.82
26 27 26 00-0268	EA		3 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates .....	19.54	3.15
26 27 26 00-0269	EA		4 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates .....	28.58	3.42
26 27 26 00-0270	EA		5 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates .....	33.63	3.64
26 27 26 00-0271	EA		6 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates .....	40.64	3.80
26 27 26 00-0272	EA		1 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate .....	9.62	2.44
26 27 26 00-0273	EA		2 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate .....	15.96	2.82
26 27 26 00-0274	EA		3 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate .....	25.98	3.15
26 27 26 00-0275	EA		4 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate .....	31.37	3.42

**26 27 26 00-0276 Chrome Wall Plates** (26 27 26 00-0233)

26 27 26 00-0277	EA		1 Gang, 0.040" Chrome Switch Wall Plate .....	32.45	2.44
26 27 26 00-0278	EA		2 Gang 0.040" Chrome Switch Wall Plate .....	60.69	2.82
26 27 26 00-0279	EA		3 Gang 0.040" Chrome Switch Wall Plate .....	88.89	3.15
26 27 26 00-0280	EA		1 Gang 0.040" Chrome Duplex Receptacle Wall Plate.....	32.43	2.44

**26 27 26 00-0281 Weatherproof Covers** (26 27 26 00-0232)

**26 27 26 00-0282 Stamped Metallic Weatherproof Covers** (26 27 26 00-0281)

Note: Includes electrostatically applied powder coating and neoprene gasket.

26 27 26 00-0283	EA		Blank Cover, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FBC) .....	11.06	0.54
26 27 26 00-0284	EA		Duplex Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FAC).....	11.99	0.54
26 27 26 00-0285	EA		Single Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FRC).....	11.99	0.54
26 27 26 00-0286	EA		Toggle Switch, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FTC) .....	11.99	0.54
26 27 26 00-0287	EA		Blank Cover, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FBC) .....	14.71	0.81
26 27 26 00-0288	EA		Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FAC).....	16.70	0.81
26 27 26 00-0289	EA		Single Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FRC).....	16.90	0.81
26 27 26 00-0290	EA		Toggle Switch, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTC) .....	16.90	0.81
26 27 26 00-0291	EA		Toggle Switch And Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTAC).....	22.98	0.81
26 27 26 00-0292	EA		Blank Cover, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FB) .....	21.76	1.08
26 27 26 00-0293	EA		Toggle Switch, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FT) .....	23.80	1.08

**26 27 26 00-0294 Cast Metallic Weatherproof Covers** (26 27 26 00-0281)

Note: Includes electrostatically applied powder coating and neoprene gasket.

26 27 26 00-0295	EA		Blank Cover, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSBC).....	13.55	0.54
26 27 26 00-0296	EA		Duplex Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLA).....	43.31	0.54
26 27 26 00-0297	EA		Single Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLR).....	48.57	0.54
26 27 26 00-0298	EA		Guarded Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSTG).....	13.45	0.54
26 27 26 00-0299	EA		Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLT) .....	36.71	0.54
26 27 26 00-0300	EA		Lever Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSPT) .....	61.08	0.54
26 27 26 00-0301	EA		Plunger Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FST) .....	77.77	0.54
26 27 26 00-0302	EA		Blank Cover, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FSBC).....	16.90	0.81
26 27 26 00-0303	EA		Plunger Operated Toggle Switch, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FST) .....	122.86	0.81
26 27 26 00-0304	EA		Blank Cover, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FSBC) .....	28.29	1.08
26 27 26 00-0305	EA		Plunger Operated Toggle Switch, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FST).....	117.36	1.08

**26 27 26 00-0306 Die Cast Aluminum Weatherproof Covers** (26 27 26 00-0281)

Note: Includes electrostatically applied powder coating and neoprene gasket.

26 27 26 00-0307	EA		Duplex Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5027) .....	5.19	0.54
26 27 26 00-0308	EA		Single Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5026).....	6.69	0.54
26 27 26 00-0309	EA		Duplex Receptacles, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5032).....	8.97	0.81
26 27 26 00-0310	EA		Toggle Switch, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5041) .....	9.75	0.81
26 27 26 00-0311	EA		Toggle Switch And Duplex Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5042) .....	9.75	0.81
26 27 26 00-0312	EA		Toggle Switch And Single Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5043) .....	10.87	0.81

**26 27 26 00-0313 Heavy Duty Die Cast Aluminum Weatherproof Covers** (26 27 26 00-0281)

Note: Includes baked on lacquer finish and neoprene gasket.

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**
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 UNIT COST UNIT COST

26 27 26 00-0314	EA	Duplex Receptacle, Single Gang, Heavy Duty Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Pass & Seymour Legrand® 4510).....	54.10	0.54
<b>26 27 26 00-0315</b>		<b>Polycarbonate Weatherproof Covers</b> (26 27 26 00-0281) Note: Includes neoprene gasket.		
26 27 26 00-0316	EA	Toggle Switch, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730).....	10.80	0.54
26 27 26 00-0317	EA	Duplex Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730).....	10.80	0.54
26 27 26 00-0318	EA	Single Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730).....	10.80	0.54
26 27 26 00-0319	EA	Duplex Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775).....	13.33	0.81
26 27 26 00-0320	EA	Toggle Switch And Single Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775).....	13.33	0.81
<b>26 27 26 00-0321</b>		<b>High Impact Thermoplastic Weatherproof Covers</b> (26 27 26 00-0281) Note: Includes neoprene gasket.		
26 27 26 00-0322	EA	Duplex Receptacle, Single Gang, High Impact Thermoplastic Weatherproof Cover With Self Closing Lid (Hubbell® HBL522).....	74.44	0.54
<b>26 27 26 00-0323</b>		<b>Non Metallic (PVC) Weatherproof Covers</b> (26 27 26 00-0281) Note: Includes neoprene gasket.		
26 27 26 00-0324	EA	Blank Cover, Single Gang, Non Metallic (PVC) Weatherproof Cover.....	13.53	0.54
26 27 26 00-0325	EA	Blank Cover, Two Gang, Non Metallic (PVC) Weatherproof Cover.....	14.44	0.81
26 27 26 00-0326	EA	Toggle Switch, Single Gang, Non Metallic (PVC) Weatherproof Cover.....	13.57	0.54
26 27 26 00-0327	EA	Switch, Single Gang, Non Metallic (PVC) Weatherproof Cover.....	30.16	0.54
26 27 26 00-0328	EA	Duplex Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover.....	35.00	0.54
26 27 26 00-0329	EA	20 Amperes, Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover.....	28.33	0.54
26 27 26 00-0330	EA	30 Amperes, Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover.....	21.06	0.54
26 27 26 00-0331	EA	50 Amperes, Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover.....	24.68	0.54
26 27 26 00-0332	EA	Plunger Switch, Single Gang, Non Metallic (PVC) Weatherproof Cover.....	22.05	0.54
26 27 26 00-0333	EA	Double Duplex Receptacle, Two Gang, Non Metallic (PVC) Weatherproof Cover.....	31.73	0.81
<b>26 27 26 00-0334</b>		<b>Removal And Reinstallation Of Wiring Devices</b> (26 27 26) Note: Includes storage and cleaning.		
26 27 26 00-0335	EA	Removal And Reinstallation Of Receptacle, Switch, Outlet Or Special System Device.....	71.30	
26 27 26 00-0336	EA	Removal And Reinstallation Of Receptacle Or Switch Outlet Cover Plate.....	9.03	
<b>26 27 26 00-0337</b>		<b>Relay Systems</b> (26 27 26)		
26 27 26 00-0338	EA	10 Amperes, 24 Volt Coil, 2 Position Relay.....	80.57	24.38
26 27 26 00-0339	EA	20 Amperes, 120 Volt Coil, Up To 4 Contacts, Industrial Control Relay.....	340.91	81.28
26 27 26 00-0340	EA	20 Amperes, 120 Volt Coil, 12 Contacts, Industrial Control Relay.....	573.72	108.38
<b>26 27 26 00-0341</b>		<b>Limit Switches</b> (26 27 26)		
<b>26 27 26 00-0342</b>		<b>Heavy Duty Precision Oiltight</b> (26 27 26 00-0341)		
<b>26 27 26 00-0343</b>		<b>Lever Arm, Plunger, Wobble Stick Type</b> (26 27 26 00-0342)		
26 27 26 00-0344	EA	Limit Switch, Heavy Duty, Lever Arm Weatherproof, 10 Amperes Rated.....	416.13	68.28
<b>26 27 26 00-0345</b>		<b>In Line Midget Fuseholders</b> (26 27 26) See CSI section 26 28 13 00-0078 for fuses.		
26 27 26 00-0346	EA	Single Pole Water Resistant In Line Midget Fuseholder.....	76.75	
26 27 26 00-0347	EA	Double Pole Water Resistant In Line Midget Fuseholder.....	174.46	
<b>26 27 33</b>		<b>Power Distribution Units</b> (26 27) Note: Includes wiring connections and testing.		
<b>26 27 33 00-0001</b>		<b>Liebert Precision Power Center</b> (26 27 33) Note: With K20 Trans Spike Suppression Modules Lighting/ Surge Arrestors. Includes start-up.		
26 27 33 00-0002	EA	PDU 15 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC015C).....	17,260.16	333.25
26 27 33 00-0003	EA	PDU 30 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC030C).....	20,837.48	361.21
26 27 33 00-0004	EA	PDU 50 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC050C).....	23,746.69	400.98
26 27 33 00-0005	EA	PDU 75 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC075C).....	27,320.26	433.49
26 27 33 00-0006	EA	PDU 100 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC100C).....	29,817.46	541.87
26 27 33 00-0007	EA	PDU 125 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC125C).....	33,454.90	650.25
26 27 33 00-0008	EA	PDU 150 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC150C).....	38,601.45	758.62
26 27 33 00-0009	EA	PDU 200 KVA, 480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC200C).....	40,595.61	866.99
26 27 33 00-0010	EA	PDU 225 KVA, 480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC225C).....	42,891.59	975.37
26 27 33 00-0011	EA	Ex Panelboard 10-30 KVA.....	1,538.07	108.38
26 27 33 00-0012	EA	Ex Panelboard 50-125 KVA.....	2,296.52	135.46
26 27 33 00-0013	EA	Ex Panelboard 150-220 KVA.....	5,167.73	162.56
26 27 33 00-0014	EA	Removal And Reinstallation Of Power Distribution Unit.....	1,733.99	
26 27 33 00-0015	EA	Note: Includes disconnection / reconnection of branch circuits, storage and cleaning. Start-Up Liebert Power Distribution Unit Line Item Applies To A Relocation Only.....	1,300.49	
<b>26 27 73</b>		<b>Door Chimes</b> (26 27)		
<b>26 27 73 00-0001</b>		<b>Door Bell Chime And Door Button With Built-In Viewer</b> (26 27 73) Note: Non-electric chime, mounted on door		
26 27 73 00-0002	EA	Mechanical Door Bell Chime And Door Button With Built-In Viewer (Newhouse Hardware MCHBV).....	74.37	16.66

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>26 27 73 00-0003 Wireless Door Bell System</b> <small>(26 27 73)</small>					
26 27 73 00-0004	EA	Wireless Doorbell Chime And Push Button (Broan LA542WH).....		119.40	
<small>Note: Includes 2 push buttons</small>					
26 27 73 00-0005	EA	Wireless Doorbell Chime And Push Button (STI-3350G).....		112.67	
<small>Note: Includes 2 push buttons</small>					
26 27 73 00-0006	EA	Wireless Doorbell Chime And Push Button (GE 19300).....		85.15	
<small>Note: Includes 2 push buttons</small>					
<b>26 27 73 00-0007 Door Chimes</b> <small>(26 27 73)</small>					
26 27 73 00-0008	EA	Door Bell, Push-Button And Transformer, Complete.....		629.60	225.75
26 27 73 00-0009	EA	Visual Flashing Doorbell Indicator, Wire To Existing System, Complete.....		275.54	54.18
26 27 73 00-0010	EA	Removal And Replacement Of Bell/Buzzer, Complete.....		109.10	27.10
<small>Note: Includes removal of existing.</small>					

### 26 28 Low-Voltage Circuit Protective Devices (26 20)

#### 26 28 13 Fuses (26 28)

#### 26 28 13 00-0001 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuses (26 28 13)

26 28 13 00-0002	EA	1 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....		23.41	7.80
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>					
				5.20	
26 28 13 00-0003	EA	2 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....		22.93	7.80
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>					
				5.20	
26 28 13 00-0004	EA	3 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....		22.27	7.80
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>					
				5.20	
26 28 13 00-0005	EA	5 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....		22.18	7.80
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>					
				5.20	
26 28 13 00-0006	EA	6 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....		22.79	7.80
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>					
				5.20	
26 28 13 00-0007	EA	8 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....		21.59	7.80
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>					
				5.20	
26 28 13 00-0008	EA	10 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....		21.31	7.80
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>					
				5.20	
26 28 13 00-0009	EA	15 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....		18.97	7.80
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>					
				5.20	
26 28 13 00-0010	EA	20 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....		18.61	7.80
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>					
				5.20	
26 28 13 00-0011	EA	25 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....		19.29	7.80
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>					
				5.20	
26 28 13 00-0012	EA	30 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....		18.82	7.80
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>					
				5.20	

#### 26 28 13 00-0013 Class RK1, Time Delay Fuses (26 28 13)

#### 26 28 13 00-0014 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuses (26 28 13 00-0013)

26 28 13 00-0015	EA	1 Ampere, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....		34.93	7.80
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>					
				5.20	
26 28 13 00-0016	EA	2 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....		32.81	7.80
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>					
				5.20	
26 28 13 00-0017	EA	3 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....		34.29	7.80
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>					
				5.20	
26 28 13 00-0018	EA	4 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....		34.09	7.80
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>					
				5.20	
26 28 13 00-0019	EA	5 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....		32.62	7.80
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>					
				5.20	
26 28 13 00-0020	EA	10 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....		31.73	7.80
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>					
				5.20	
26 28 13 00-0021	EA	15 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....		29.39	7.80
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>					
				5.20	
26 28 13 00-0022	EA	20 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....		29.21	7.80
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>					
				5.20	
26 28 13 00-0023	EA	25 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....		29.40	7.80
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>					
				5.20	
26 28 13 00-0024	EA	30 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....		29.16	7.80
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>					
				5.20	
26 28 13 00-0025	EA	35 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....		39.14	7.80
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>					
				5.20	
26 28 13 00-0026	EA	40 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....		38.43	7.80
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>					
				5.20	
26 28 13 00-0027	EA	45 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....		38.96	7.80
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>					
				5.20	
26 28 13 00-0028	EA	50 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....		38.53	7.80
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>					
				5.20	
26 28 13 00-0029	EA	60 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....		37.89	7.80
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>					
				5.20	

#### 26 28 13 00-0030 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuses (26 28 13 00-0013)

26 28 13 00-0031	EA	70 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....		68.71	9.75
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>					
				6.50	





MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28	13 00	0074	EA 400 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	410.45 10.73	16.15
26 28	13 00	0075	EA 450 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	731.96 10.73	16.15
26 28	13 00	0076	EA 500 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	654.20 13.01	19.51
26 28	13 00	0077	EA 600 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	571.61 13.01	19.51
<b>26 28 13 00-0078      600 Volt AC, Class CC Midget Fuses <sup>(26 28 13)</sup></b>					
<b>Note: 250/300 Volt DC.</b>					
26 28	13 00	0079	EA 1 Amperes, 600 Volt AC, Class CC Midget Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.75 5.20	7.80
26 28	13 00	0080	EA 2 Amperes, 600 Volt AC, Class CC Midget Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.31 5.20	7.80
26 28	13 00	0081	EA 3 Amperes, 600 Volt AC, Class CC Midget Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.15 5.20	7.80
26 28	13 00	0082	EA 5 Amperes, 600 Volt AC, Class CC Midget Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.97 5.20	7.80
26 28	13 00	0083	EA 6 Amperes, 600 Volt AC, Class CC Midget Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.62 5.20	7.80
26 28	13 00	0084	EA 8 Amperes, 600 Volt AC, Class CC Midget Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.38 5.20	7.80
26 28	13 00	0085	EA 10 Amperes, 600 Volt AC, Class CC Midget Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.36 5.20	7.80
26 28	13 00	0086	EA 15 Amperes, 600 Volt AC, Class CC Midget Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.99 5.20	7.80
26 28	13 00	0087	EA 20 Amperes, 600 Volt AC, Class CC Midget Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.30 5.20	7.80
26 28	13 00	0088	EA 25 Amperes, 600 Volt AC, Class CC Midget Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.71 5.20	7.80
26 28	13 00	0089	EA 30 Amperes, 600 Volt AC, Class CC Midget Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.06 5.20	7.80
<b>26 28 13 00-0090      200,000 Ampere Interrupting Capacity, 600 Volt AC, Class J Bolted Fuse <sup>(26 28 13)</sup></b>					
26 28	13 00	0091	EA 1 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.28 3.25	5.42
26 28	13 00	0092	EA 3 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.65 3.25	5.42
26 28	13 00	0093	EA 6 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.44 3.90	6.51
26 28	13 00	0094	EA 10 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.75 4.88	8.13
26 28	13 00	0095	EA 15 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.63 4.88	8.13
26 28	13 00	0096	EA 20 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.84 4.88	8.13
26 28	13 00	0097	EA 25 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.00 6.50	10.84
26 28	13 00	0098	EA 30 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.18 6.50	10.84
26 28	13 00	0099	EA 35 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80.09 6.50	10.84
26 28	13 00	0100	EA 40 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.75 6.50	10.84
26 28	13 00	0101	EA 45 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	78.36 6.50	10.84
26 28	13 00	0102	EA 50 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.75 8.13	13.54
26 28	13 00	0103	EA 60 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69.52 8.13	13.54
26 28	13 00	0104	EA 70 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	106.52 9.75	16.26
26 28	13 00	0105	EA 80 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	113.25 9.75	16.26
26 28	13 00	0106	EA 90 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	111.53 9.75	16.26
26 28	13 00	0107	EA 100 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	99.10 11.38	18.97
26 28	13 00	0108	EA 110 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	224.64 11.38	18.97
26 28	13 00	0109	EA 125 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	191.74 11.38	18.97
26 28	13 00	0110	EA 150 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	183.89 13.01	21.67
26 28	13 00	0111	EA 175 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	186.51 13.01	21.67
26 28	13 00	0112	EA 200 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	155.90 13.01	21.67
26 28	13 00	0113	EA 225 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	384.77 13.01	21.67
26 28	13 00	0114	EA 250 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	356.21 13.01	21.67
26 28	13 00	0115	EA 300 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	328.72 13.01	21.67

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0116	EA		350 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	357.97 13.01	21.67
26 28 13 00-0117	EA		400 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	297.41 14.63	24.38
26 28 13 00-0118	EA		450 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	623.78 14.63	24.38
26 28 13 00-0119	EA		500 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	531.31 16.26	27.10
26 28 13 00-0120	EA		600 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	397.22 16.26	27.10
<b>26 28 13 00-0121</b>			<b>600 Volt AC, 200 kAmp I.R., Class L Bolted Fuses <small>(26 28 13)</small></b>		
26 28 13 00-0122	EA		100 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,183.87 8.13	13.54
26 28 13 00-0123	EA		150 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,186.20 8.13	13.54
26 28 13 00-0124	EA		200 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,188.37 8.13	13.54
26 28 13 00-0125	EA		250 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,185.44 9.75	16.26
26 28 13 00-0126	EA		300 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,092.19 9.75	16.26
26 28 13 00-0127	EA		350 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,169.17 11.38	18.97
26 28 13 00-0128	EA		400 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,076.60 11.38	18.97
26 28 13 00-0129	EA		450 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,203.37 11.38	18.97
26 28 13 00-0130	EA		500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,180.02 11.38	18.97
26 28 13 00-0131	EA		600 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,051.16 13.01	21.67
26 28 13 00-0132	EA		601 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,079.25 13.01	21.67
26 28 13 00-0133	EA		650 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,432.40 13.01	21.67
26 28 13 00-0134	EA		700 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,046.06 13.01	21.67
26 28 13 00-0135	EA		750 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,603.22 14.63	24.38
26 28 13 00-0136	EA		800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	927.04 14.63	24.38
26 28 13 00-0137	EA		900 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,349.83 14.63	24.38
26 28 13 00-0138	EA		1,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	911.58 14.63	24.38
26 28 13 00-0139	EA		1,200 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	938.46 14.63	24.38
26 28 13 00-0140	EA		1,350 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,075.79 14.63	24.38
26 28 13 00-0141	EA		1,400 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,046.75 14.63	24.38
26 28 13 00-0142	EA		1,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,847.47 14.63	24.38
26 28 13 00-0143	EA		1,600 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,158.42 16.25	27.10
26 28 13 00-0144	EA		1,800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,444.36 16.25	27.10
26 28 13 00-0145	EA		2,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,568.31 16.25	27.10
26 28 13 00-0146	EA		2,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,116.73 16.25	27.10
26 28 13 00-0147	EA		2,501 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,599.17 16.25	27.10
26 28 13 00-0148	EA		3,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,359.57 17.88	29.80
26 28 13 00-0149	EA		3,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,868.18 17.88	29.80
26 28 13 00-0150	EA		3,800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,647.05 17.88	29.80
26 28 13 00-0151	EA		4,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,269.86 17.88	29.80
26 28 13 00-0152	EA		5,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,154.16 17.88	29.80
26 28 13 00-0153	EA		6,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,525.18 17.88	29.80

**26 28 16 Enclosed Switches and Circuit Breakers (26 28)****26 28 16 13 Enclosed Circuit Breakers (26 28 16)****26 28 16 13-0001 Branch Circuit Breakers (26 28 16 13)**

Note: For installation in existing and new panelboards. Use task modifier for installation in new panelboards.

**26 28 16 13-0002 Branch Circuit Breakers 10,000 Amperes Interrupting Capacity, Plug-On (26 28 16 13-0001)**

Note: Includes connection of electrical wire.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0003	EA		1 Pole, 120/240 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.09 13.01	19.51
26 28 16 13-0004	EA		1 Pole, 120/240 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity ..... <i>For Bolt-On, Add</i> <i>For Installation In New Panelboard, Deduct</i> <i>Note: Also for use with new interiors in panelboards.</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.09 14.10 -10.84 13.01	19.51
26 28 16 13-0005	EA		1 Pole, 120/240 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	74.34 16.25	24.38
26 28 16 13-0006	EA		1 Pole GFI, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	109.00 16.25	24.38
26 28 16 13-0007	EA		1 Pole GFI, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	148.62 16.25	24.38
26 28 16 13-0008	EA		1 Pole GFI, 15 To 30 Amperes, 120/240 Volt, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	171.22 16.25	24.38
26 28 16 13-0009	EA		1 Pole GFI, 15 To 20 Amperes, 120/240 Volt, "Arc Fault" Circuit Breaker, 10,000 Amperes Interrupting Capacity ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	87.16 16.25	24.38
26 28 16 13-0010	EA		2 Pole, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	85.18 19.51	29.26
26 28 16 13-0011	EA		2 Pole, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity ..... <i>For Bolt-On, Add</i> <i>For Installation In New Panelboard, Deduct</i> <i>Note: Also for use with new interiors in panelboards.</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	85.18 22.03 -16.26 19.51	29.26
26 28 16 13-0012	EA		2 Pole, 70 To 100 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	127.01 26.01	39.02
26 28 16 13-0013	EA		2 Pole, 110 To 125 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	205.83 32.51	48.77
26 28 16 13-0014	EA		2 Pole, 150 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	241.51 35.76	54.18
26 28 16 13-0015	EA		2 Pole GFI, 15 To 50 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	201.82 23.41	34.68
26 28 16 13-0016	EA		2 Pole GFI, 15 To 50 Amperes, 120/240 Volt, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	266.64 23.41	34.68
26 28 16 13-0017	EA		3 Pole, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	157.25 26.01	39.02
26 28 16 13-0018	EA		3 Pole, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity ..... <i>For Bolt-On, Add</i> <i>For Installation In New Panelboard, Deduct</i> <i>Note: Also for use with new interiors in panelboards.</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	157.25 34.83 -21.67 26.01	39.02
26 28 16 13-0019	EA		3 Pole, 70 To 100 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	205.44 32.51	48.77
26 28 16 13-0020	EA		3 Pole, 110 To 125 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	306.39 39.02	58.52
26 28 16 13-0021	EA		3 Pole, 150 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	389.06 45.52	68.28
26 28 16 13-0022			<b>Branch Circuit Breakers 14,000 Amperes Interrupting Capacity, Plug-On <sup>(26 28 16 13-0001)</sup></b> <i>Note: Includes connection of electrical wire.</i>		
26 28 16 13-0023	EA		1 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.62 13.01	19.51
26 28 16 13-0024	EA		1 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity ..... <i>For Bolt-On, Add</i> <i>For Installation In New Panelboard, Deduct</i> <i>Note: Also for use with new interiors in panelboards.</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.62 16.66 -10.84 13.01	19.51
26 28 16 13-0025	EA		1 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	126.83 16.25	24.38
26 28 16 13-0026	EA		1 Pole GFI, 277/480 Volt, 15 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	193.46 16.25	24.38
26 28 16 13-0027	EA		2 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	139.24 19.51	29.26
26 28 16 13-0028	EA		2 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity ..... <i>For Bolt-On, Add</i> <i>For Installation In New Panelboard, Deduct</i> <i>Note: Also for use with new interiors in panelboards.</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	139.24 28.78 -16.26 19.51	29.26
26 28 16 13-0029	EA		2 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	269.04 26.01	39.02
26 28 16 13-0030	EA		2 Pole, 277/480 Volt, 110 To 125 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	365.33 32.51	48.77
26 28 16 13-0031	EA		2 Pole, 277/480 Volt, 150 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	531.83 35.76	54.18
26 28 16 13-0032	EA		3 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	219.97 26.01	39.02
26 28 16 13-0033	EA		3 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity ..... <i>For Bolt-On, Add</i> <i>For Installation In New Panelboard, Deduct</i> <i>Note: Also for use with new interiors in panelboards.</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	219.97 42.67 -21.67 26.01	39.02
26 28 16 13-0034	EA		3 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	326.33 32.51	48.77
26 28 16 13-0035	EA		3 Pole, 277/480 Volt, 110 To 125 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	461.23 39.02	58.52

**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 28 Low-Voltage Circuit Protective Devices**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0036 EA 3 Pole, 277/480 Volt, 150 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	707.98 45.52	68.28
26 28 16 13-0037 EA 3 Pole, 277/480 Volt, 175 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	815.44 48.77	73.15
26 28 16 13-0038 EA 3 Pole, 277/480 Volt, 200 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	875.90 52.02	78.03
26 28 16 13-0039 EA 3 Pole, 277/480 Volt, 225 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,033.85 55.27	82.90
<b>26 28 16 13-0040 Branch Circuit Breakers 18,000 Amperes Interrupting Capacity, Plug-On</b> <small>(26 28)</small> <small>16 13-0001</small> Note: Includes connection of electrical wire.		
26 28 16 13-0041 EA 15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	86.11 13.01	19.51
26 28 16 13-0042 EA 35 To 60 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity ..... <i>For Bolt-On, Add</i> <i>For Installation In New Panelboard, Deduct</i> Note: Also for use with new interiors in panelboards.	86.11 18.35 -10.84	19.51
26 28 16 13-0043 EA 70 To 100 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	140.16 16.25	24.38
26 28 16 13-0044 EA 15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	174.41 19.51	29.26
26 28 16 13-0045 EA 35 To 60 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity ..... <i>For Bolt-On, Add</i> <i>For Installation In New Panelboard, Deduct</i> Note: Also for use with new interiors in panelboards.	174.41 33.18 -16.26	29.26
26 28 16 13-0046 EA 70 To 100 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	302.76 26.01	39.02
26 28 16 13-0047 EA 110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	762.90 32.51	48.77
26 28 16 13-0048 EA 15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	278.00 26.01	39.02
26 28 16 13-0049 EA 35 To 60 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity ..... <i>For Bolt-On, Add</i> <i>For Installation In New Panelboard, Deduct</i> Note: Also for use with new interiors in panelboards.	278.00 49.92 -21.67	39.02
26 28 16 13-0050 EA 70 To 100 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	368.57 32.51	48.77
26 28 16 13-0051 EA 110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	943.92 39.02	58.52
<b>26 28 16 13-0052 Branch Circuit Breakers 22,000 Amperes Interrupting Capacity, Plug-On</b> <small>(26 28)</small> <small>16 13-0001</small> Note: Includes connection of electrical wire.		
26 28 16 13-0053 EA 15 To 30 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	97.57 13.01	19.51
26 28 16 13-0054 EA 35 To 60 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity ..... <i>For Bolt-On, Add</i> <i>For Installation In New Panelboard, Deduct</i> Note: Also for use with new interiors in panelboards.	97.57 19.78 -10.84	19.51
26 28 16 13-0055 EA 70 To 100 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	115.36 16.25	24.38
26 28 16 13-0056 EA 15 To 30 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	191.93 16.25	24.38
26 28 16 13-0057 EA 15 To 30 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	204.30 19.51	29.26
26 28 16 13-0058 EA 35 To 60 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity ..... <i>For Bolt-On, Add</i> <i>For Installation In New Panelboard, Deduct</i> Note: Also for use with new interiors in panelboards.	204.30 36.92 -16.26	29.26
26 28 16 13-0059 EA 70 To 100 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	248.60 26.01	39.02
26 28 16 13-0060 EA 110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	356.60 32.51	48.77
26 28 16 13-0061 EA 150 To 225 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	458.95 35.76	54.18
26 28 16 13-0062 EA 250 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	572.16 42.27	63.40
26 28 16 13-0063 EA 300 To 400 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	618.46 48.77	73.15
26 28 16 13-0064 EA 15 To 30 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	249.10 26.01	39.02
26 28 16 13-0065 EA 35 To 60 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity ..... <i>For Bolt-On, Add</i> <i>For Installation In New Panelboard, Deduct</i> Note: Also for use with new interiors in panelboards.	249.10 46.31 -21.67	39.02
26 28 16 13-0066 EA 70 To 100 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	292.93 32.51	48.77
26 28 16 13-0067 EA 110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	441.44 39.02	58.52
26 28 16 13-0068 EA 150 To 225 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	579.10 50.39	75.86

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 28 16 13-0069	EA	250 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....	714.14	87.79
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.52	
26 28 16 13-0070	EA	300 To 400 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....	759.30	93.20
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.77	
<b>26 28 16 13-0071</b>		<b>Branch Circuit Breakers 25,000 Amperes Interrupting Capacity, Plug-On <sup>(26 28)</sup></b>		
		<i><sup>16 13-0001)</sup> Note: Includes connection of electrical wire.</i>		
26 28 16 13-0072	EA	15 To 30 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....	211.77	29.26
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.51	
26 28 16 13-0073	EA	35 To 60 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....	211.77	29.26
		<i>For Bolt-On, Add</i>	37.85	
		<i>For Installation In New Panelboard, Deduct</i>	-16.26	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.51	
26 28 16 13-0074	EA	70 To 100 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....	320.80	39.02
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.01	
26 28 16 13-0075	EA	110 To 125 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....	517.94	48.77
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.51	
26 28 16 13-0076	EA	150 To 225 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....	803.53	60.69
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.64	
26 28 16 13-0077	EA	250 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....	909.59	63.40
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.27	
26 28 16 13-0078	EA	300 To 400 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....	994.73	73.15
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.77	
26 28 16 13-0079	EA	15 To 30 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....	303.67	39.02
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.01	
26 28 16 13-0080	EA	35 To 60 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....	303.67	39.02
		<i>For Bolt-On, Add</i>	53.13	
		<i>For Installation In New Panelboard, Deduct</i>	-21.67	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.01	
26 28 16 13-0081	EA	70 To 100 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....	382.46	48.77
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.51	
26 28 16 13-0082	EA	110 To 125 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....	643.85	58.52
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.02	
26 28 16 13-0083	EA	150 To 225 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....	938.83	75.86
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.39	
26 28 16 13-0084	EA	250 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....	1,108.64	87.79
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.52	
26 28 16 13-0085	EA	300 To 400 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....	1,198.95	93.20
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.77	
<b>26 28 16 13-0086</b>		<b>Branch Circuit Breakers 30,000 Amperes Interrupting Capacity, Plug-On <sup>(26 28)</sup></b>		
		<i><sup>16 13-0001)</sup> Note: Includes connection of electrical wire.</i>		
26 28 16 13-0087	EA	2 Pole, 240/480 Volt, 15-30 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity .....	219.19	29.26
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.51	
26 28 16 13-0088	EA	2 Pole, 240/480 Volt, 35-60 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity .....	219.19	29.26
		<i>For Bolt-On, Add</i>	38.78	
		<i>For Installation In New Panelboard, Deduct</i>	-16.26	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.51	
26 28 16 13-0089	EA	2 Pole, 240/480 Volt, 70-100 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity .....	389.32	39.02
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.01	
26 28 16 13-0090	EA	2 Pole, 240/480 Volt, 110-125 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity .....	707.93	48.77
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.51	
26 28 16 13-0091	EA	2 Pole, 240/480 Volt, 150-225 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity .....	1,117.58	60.69
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.64	
26 28 16 13-0092	EA	2 Pole, 240/480 Volt, 250 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity .....	1,270.78	63.40
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.27	
26 28 16 13-0093	EA	2 Pole, 240/480 Volt, 300-400 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity .....	1,384.50	73.15
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.77	
26 28 16 13-0094	EA	3 Pole, 240/480 Volt, 15-30 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity .....	355.06	39.02
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.01	
26 28 16 13-0095	EA	3 Pole, 240/480 Volt, 35-60 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity .....	355.06	39.02
		<i>For Bolt-On, Add</i>	59.55	
		<i>For Installation In New Panelboard, Deduct</i>	-21.67	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.01	
26 28 16 13-0096	EA	3 Pole, 240/480 Volt, 70-100 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity .....	471.54	48.77
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.51	
26 28 16 13-0097	EA	3 Pole, 240/480 Volt, 110-125 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity .....	860.93	58.52
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.02	
26 28 16 13-0098	EA	3 Pole, 240/480 Volt, 150-225 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity .....	1,088.06	75.86
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.39	
26 28 16 13-0099	EA	3 Pole, 240/480 Volt, 250 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity .....	1,728.79	87.79
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.52	
26 28 16 13-0100	EA	3 Pole, 240/480 Volt, 300-400 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity .....	1,841.04	93.20
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.77	
<b>26 28 16 13-0101</b>		<b>Branch Circuit Breakers 35,000 Amperes Interrupting Capacity, Plug-On <sup>(26 28)</sup></b>		
		<i><sup>16 13-0001)</sup> Note: Includes connection of electrical wire.</i>		
26 28 16 13-0102	EA	1 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity .....	116.27	19.51
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.01	

## 26 Electrical

## 26 20 Low-Voltage Electrical Distribution

## 26 28 Low-Voltage Circuit Protective Devices

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0103	EA	1 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	.....	116.27	19.51
		<i>For Bolt-On, Add</i>		22.12	
		<i>For Installation In New Panelboard, Deduct</i>		-10.84	
		<i>Note: Also for use with new interiors in panelboards.</i>			
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		13.01	
26 28 16 13-0104	EA	1 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	.....	199.13	24.38
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		16.25	
26 28 16 13-0105	EA	2 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	.....	249.58	29.26
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		19.51	
26 28 16 13-0106	EA	2 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	.....	249.58	29.26
		<i>For Bolt-On, Add</i>		42.58	
		<i>For Installation In New Panelboard, Deduct</i>		-16.26	
		<i>Note: Also for use with new interiors in panelboards.</i>			
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		19.51	
26 28 16 13-0107	EA	2 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	.....	452.21	39.02
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		26.01	
26 28 16 13-0108	EA	2 Pole, 480 Volt, 110-125 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	.....	833.55	48.77
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		32.51	
26 28 16 13-0109	EA	2 Pole, 480 Volt, 150-225 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	.....	1,613.76	60.69
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		40.64	
26 28 16 13-0110	EA	3 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	.....	409.90	39.02
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		26.01	
26 28 16 13-0111	EA	3 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	.....	409.90	39.02
		<i>For Bolt-On, Add</i>		66.41	
		<i>For Installation In New Panelboard, Deduct</i>		-21.67	
		<i>Note: Also for use with new interiors in panelboards.</i>			
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		26.01	
26 28 16 13-0112	EA	3 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	.....	547.73	48.77
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		32.51	
26 28 16 13-0113	EA	3 Pole, 480 Volt, 110-125 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	.....	1,026.52	58.52
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		39.02	
26 28 16 13-0114	EA	3 Pole, 480 Volt, 150-225 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	.....	2,006.40	75.86
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		50.39	
26 28 16 13-0115		<b>Branch Circuit Breakers 42,000 Amperes Interrupting Capacity, Plug-On</b> (26 28 16 13-0001)			
		<i>Note: Includes connection of electrical wire.</i>			
26 28 16 13-0116	EA	15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	.....	168.97	19.51
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		13.01	
26 28 16 13-0117	EA	35 To 60 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	.....	168.97	19.51
		<i>For Bolt-On, Add</i>		28.71	
		<i>For Installation In New Panelboard, Deduct</i>		-10.84	
		<i>Note: Also for use with new interiors in panelboards.</i>			
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		13.01	
26 28 16 13-0118	EA	70 To 100 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	.....	255.17	24.38
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		16.25	
26 28 16 13-0119	EA	15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	.....	310.55	29.26
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		19.51	
26 28 16 13-0120	EA	35 To 60 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	.....	310.55	29.26
		<i>For Bolt-On, Add</i>		50.20	
		<i>For Installation In New Panelboard, Deduct</i>		-16.26	
		<i>Note: Also for use with new interiors in panelboards.</i>			
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		19.51	
26 28 16 13-0121	EA	70 To 100 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	.....	583.46	39.02
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		26.01	
26 28 16 13-0122	EA	110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	.....	1,056.24	48.77
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		32.51	
26 28 16 13-0123	EA	150 To 225 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	.....	2,100.58	54.18
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		35.76	
26 28 16 13-0124	EA	15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	.....	532.07	39.02
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		26.01	
26 28 16 13-0125	EA	35 To 60 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	.....	532.07	39.02
		<i>For Bolt-On, Add</i>		81.68	
		<i>For Installation In New Panelboard, Deduct</i>		-21.67	
		<i>Note: Also for use with new interiors in panelboards.</i>			
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		26.01	
26 28 16 13-0126	EA	70 To 100 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	.....	736.48	48.77
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		32.51	
26 28 16 13-0127	EA	110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	.....	1,192.11	58.52
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		39.02	
26 28 16 13-0128	EA	150 To 225 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	.....	2,651.83	75.86
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		50.39	
26 28 16 13-0129		<b>Branch Circuit Breakers 65,000 Amperes Interrupting Capacity, Plug-On</b> (26 28 16 13-0001)			
		<i>Note: Includes connection of electrical wire.</i>			
26 28 16 13-0130	EA	15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	.....	78.01	19.51
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		13.01	
26 28 16 13-0131	EA	15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	.....	162.70	29.26
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		19.51	
26 28 16 13-0132	EA	15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	.....	256.85	39.02
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		26.01	
26 28 16 13-0133	EA	15 To 30 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	.....	159.94	19.51
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		13.01	

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0134	EA 35 To 60 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity For Bolt-On, Add For Installation In New Panelboard, Deduct Note: Also for use with new interiors in panelboards. For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	159.94 27.58 -10.84 13.01	19.51
26 28 16 13-0135	EA 70 To 100 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	318.52 26.01	39.02
26 28 16 13-0136	EA 15 To 30 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	360.77 19.51	29.26
26 28 16 13-0137	EA 35 To 60 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity For Bolt-On, Add For Installation In New Panelboard, Deduct Note: Also for use with new interiors in panelboards. For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	360.77 56.47 -16.26 19.51	29.26
26 28 16 13-0138	EA 70 To 100 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	696.64 26.01	39.02
26 28 16 13-0139	EA 110 To 125 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,181.86 32.51	48.77
26 28 16 13-0140	EA 150 To 225 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2,600.04 40.64	60.69
26 28 16 13-0141	EA 15 To 30 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	603.91 26.01	39.02
26 28 16 13-0142	EA 35 To 60 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity For Bolt-On, Add For Installation In New Panelboard, Deduct Note: Also for use with new interiors in panelboards. For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	603.91 90.66 -21.67 26.01	39.02
26 28 16 13-0143	EA 70 To 100 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	840.78 32.51	48.77
26 28 16 13-0144	EA 110 To 125 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,283.47 39.02	58.52
26 28 16 13-0145	EA 150 To 225 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3,233.06 50.39	75.86

**26 28 16 16 Enclosed Switches** (26 28 16)

26 28 16 16-0001	Motor And Circuit Disconnects <small>(26 28 16 16)</small> Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the disconnect.		
26 28 16 16-0002	NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0001)</small>		
26 28 16 16-0003	Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0002)</small> Note: Includes fuses and neutral bar.		
26 28 16 16-0004	240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0003)</small>		
26 28 16 16-0005	EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	415.73	108.38
26 28 16 16-0006	EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	659.17	130.59
26 28 16 16-0007	EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	909.88	152.81
26 28 16 16-0008	EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,570.47	240.59
26 28 16 16-0009	EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,359.79	373.89
26 28 16 16-0010	EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,620.95	552.71
26 28 16 16-0011	EA 800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,683.19	650.25
26 28 16 16-0012	EA 1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	10,332.15	758.62
26 28 16 16-0013	600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0003)</small>		
26 28 16 16-0014	EA 30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	639.18	120.41
26 28 16 16-0015	EA 60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	771.21	145.11
26 28 16 16-0016	EA 100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,235.36	169.61
26 28 16 16-0017	EA 200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,824.06	267.68
26 28 16 16-0018	EA 400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,004.65	415.29
26 28 16 16-0019	EA 600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,247.71	613.83
26 28 16 16-0020	EA 800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	9,265.93	722.10
26 28 16 16-0021	EA 1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	12,680.03	842.93
26 28 16 16-0022	240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0003)</small>		

<b>26</b>	<b>Electrical</b>
<b>26 20</b>	<b>Low-Voltage Electrical Distribution</b>
<b>26 28</b>	<b>Low-Voltage Circuit Protective Devices</b>

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 28 16 16-0023	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	589.08	170.15
26 28 16 16-0024	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	871.70	225.96
26 28 16 16-0025	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	1,181.37	250.89
26 28 16 16-0026	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	1,869.38	392.85
26 28 16 16-0027	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	3,907.65	644.82
26 28 16 16-0028	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	6,376.87	903.30
<b>26 28 16 16-0029</b>		<b>600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0003)</small>		
26 28 16 16-0030	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	774.64	188.02
26 28 16 16-0031	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	982.86	250.89
26 28 16 16-0032	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	1,460.72	282.32
26 28 16 16-0033	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	2,148.74	430.24
26 28 16 16-0034	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	4,823.33	694.68
26 28 16 16-0035	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	7,778.12	1,003.54
26 28 16 16-0036	EA	800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	12,434.79	1,192.12
26 28 16 16-0037	EA	1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	15,919.51	1,354.68
<b>26 28 16 16-0038</b>		<b>240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0003)</small>		
26 28 16 16-0039	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	569.97	170.15
26 28 16 16-0040	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	847.00	225.96
26 28 16 16-0041	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	1,136.44	250.89
26 28 16 16-0042	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	1,931.18	392.85
26 28 16 16-0043	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	4,255.89	644.82
26 28 16 16-0044	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	6,900.77	903.30
26 28 16 16-0045	EA	800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	11,472.77	1,137.93
26 28 16 16-0046	EA	1,200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	14,160.72	1,300.49
<b>26 28 16 16-0047</b>		<b>600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0003)</small>		
26 28 16 16-0048	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	844.76	188.02
26 28 16 16-0049	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	1,069.03	250.89
26 28 16 16-0050	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	1,586.72	282.32
26 28 16 16-0051	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	2,337.36	430.24
26 28 16 16-0052	EA	400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	5,225.75	694.68
26 28 16 16-0053	EA	600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	8,488.84	1,003.54
26 28 16 16-0054	EA	800 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	13,614.76	1,192.12
26 28 16 16-0055	EA	1,200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	17,194.12	1,354.68
<b>26 28 16 16-0056</b>		<b>Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0002)</small>		
<b>26 28 16 16-0057</b>		<b>240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0005)</small>		
26 28 16 16-0058	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	403.65	156.82
26 28 16 16-0059	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	629.45	218.16
26 28 16 16-0060	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	872.26	250.89
26 28 16 16-0061	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	1,365.72	401.42



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0062	EA		400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,769.01	668.99
26 28 16 16-0063	EA		600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	4,544.94	912.30
26 28 16 16-0064	EA		800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	6,513.72	1,083.74
26 28 16 16-0065	EA		1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	8,617.21	1,264.84
26 28 16 16-0066	<b>600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0066)</small>				
26 28 16 16-0067	EA		30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	445.86	173.08
26 28 16 16-0068	EA		60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	713.07	244.82
26 28 16 16-0069	EA		100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	986.35	278.74
26 28 16 16-0070	EA		200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,530.61	436.32
26 28 16 16-0071	EA		400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,979.37	716.78
26 28 16 16-0072	EA		600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	5,027.03	1,003.44
26 28 16 16-0073	EA		800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	7,235.02	1,083.74
26 28 16 16-0074	EA		1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	9,605.00	1,264.84
26 28 16 16-0075	<b>240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0075)</small>				
26 28 16 16-0076	EA		30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	469.13	140.89
26 28 16 16-0077	EA		60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	720.53	196.15
26 28 16 16-0078	EA		100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	977.00	225.96
26 28 16 16-0079	EA		200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,534.16	361.42
26 28 16 16-0080	EA		400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,086.99	602.02
26 28 16 16-0081	EA		600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	4,995.46	820.93
26 28 16 16-0082	EA		800 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	8,652.10	975.37
26 28 16 16-0083	EA		1,200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	11,291.52	1,137.93
26 28 16 16-0084	<b>480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0084)</small>				
26 28 16 16-0085	EA		30 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	511.59	155.51
26 28 16 16-0086	EA		60 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	791.82	220.55
26 28 16 16-0087	EA		100 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,064.70	250.89
26 28 16 16-0088	EA		200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,654.95	392.85
26 28 16 16-0089	EA		400 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,307.48	644.82
26 28 16 16-0090	EA		600 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	5,399.20	903.30
26 28 16 16-0091	EA		800 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	9,129.37	975.37
26 28 16 16-0092	<b>600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0092)</small>				
26 28 16 16-0093	EA		30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	547.17	155.73
26 28 16 16-0094	EA		60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	852.50	220.32
26 28 16 16-0095	EA		100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,163.38	250.89
26 28 16 16-0096	EA		200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,806.95	392.64
26 28 16 16-0097	EA		400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,520.09	645.04
26 28 16 16-0098	EA		600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	6,028.45	903.08
26 28 16 16-0099	EA		800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	9,847.65	975.37
26 28 16 16-0100	EA		1,200 Amperes, 600 Volt Class, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	12,900.93	1,137.93

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 28 16 16-0101		240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0056)</small>		
26 28 16 16-0102	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	810.88	141.10
26 28 16 16-0103	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	976.84	196.38
26 28 16 16-0104	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,505.65	225.75
26 28 16 16-0105	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,257.18	361.21
26 28 16 16-0106		480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0056)</small>		
26 28 16 16-0107	EA	30 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	877.84	155.51
26 28 16 16-0108	EA	60 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,066.47	220.55
26 28 16 16-0109	EA	100 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,631.13	250.89
26 28 16 16-0110	EA	200 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,429.63	392.85
26 28 16 16-0111		600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0056)</small>		
26 28 16 16-0112	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	976.88	155.73
26 28 16 16-0113	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,175.71	220.32
26 28 16 16-0114	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,827.57	250.89
26 28 16 16-0115	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,715.79	392.64
26 28 16 16-0116		General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0002)</small>		
		Note: Includes fuses and neutral bar.		
26 28 16 16-0117		240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0116)</small>		
26 28 16 16-0118	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	286.45	94.28
26 28 16 16-0119	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	392.05	113.47
26 28 16 16-0120	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	607.55	132.65
26 28 16 16-0121	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,128.46	209.27
26 28 16 16-0122	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,702.52	324.58
26 28 16 16-0123	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	5,067.62	480.42
26 28 16 16-0124		240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0116)</small>		
26 28 16 16-0125	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	393.92	148.15
26 28 16 16-0126	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	557.43	196.38
26 28 16 16-0127	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	778.53	218.16
26 28 16 16-0128	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,394.05	341.48
26 28 16 16-0129	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,177.82	560.95
26 28 16 16-0130	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	5,682.53	785.28
26 28 16 16-0131		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0116)</small>		
26 28 16 16-0132	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	440.13	148.15
26 28 16 16-0133	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	631.93	196.38
26 28 16 16-0134	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	846.33	218.16
26 28 16 16-0135	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,564.84	341.48
26 28 16 16-0136	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,469.75	560.95

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 28 16 16-0137	EA		600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	5,867.58	785.28
<b>26 28 16 16-0138</b>			<b>General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0002)</small>		
<b>26 28 16 16-0139</b>			<b>240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0138)</small>		
26 28 16 16-0140	EA		60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	391.15	131.13
26 28 16 16-0141	EA		100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	523.16	150.75
26 28 16 16-0142	EA		200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,192.22	240.92
26 28 16 16-0143	EA		400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,569.31	400.98
26 28 16 16-0144	EA		600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	4,463.59	546.42
<b>26 28 16 16-0145</b>			<b>240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0138)</small>		
26 28 16 16-0146	EA		30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	369.65	122.68
26 28 16 16-0147	EA		60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	506.21	170.69
26 28 16 16-0148	EA		100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	776.72	196.38
26 28 16 16-0149	EA		200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,339.41	314.18
26 28 16 16-0150	EA		400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,815.52	523.66
26 28 16 16-0151	EA		600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	4,800.38	713.75
<b>26 28 16 16-0152</b>			<b>NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0001)</small>		
<b>26 28 16 16-0153</b>			<b>Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0152)</small>		
			Note: With fuses, neutral bar, and hub if required.		
<b>26 28 16 16-0154</b>			<b>240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0153)</small>		
26 28 16 16-0155	EA		30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	613.94	127.33
26 28 16 16-0156	EA		60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	981.94	152.81
26 28 16 16-0157	EA		100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,228.66	177.73
26 28 16 16-0158	EA		200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,797.33	270.94
26 28 16 16-0159	EA		400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,989.01	433.49
26 28 16 16-0160	EA		600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	7,010.47	578.18
26 28 16 16-0161	EA		800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	10,533.80	650.25
26 28 16 16-0162	EA		1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	13,969.28	758.62
<b>26 28 16 16-0163</b>			<b>600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0153)</small>		
26 28 16 16-0164	EA		30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,061.85	169.71
26 28 16 16-0165	EA		60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,263.80	208.07
26 28 16 16-0166	EA		100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,799.78	238.96
26 28 16 16-0167	EA		200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,533.46	358.40
26 28 16 16-0168	EA		400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	5,533.74	586.41
26 28 16 16-0169	EA		600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	10,205.30	806.41
26 28 16 16-0170	EA		800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	15,031.61	928.55
26 28 16 16-0171	EA		1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	16,556.42	1,045.26

**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 28 Low-Voltage Circuit Protective Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0172			240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <sup>(26 16 16-0153)</sup>		
26 28 16 16-0173	EA		30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	779.11	200.50
26 28 16 16-0174	EA		60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,242.32	265.52
26 28 16 16-0175	EA		100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,500.37	291.53
26 28 16 16-0176	EA		200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	2,222.62	451.38
26 28 16 16-0177	EA		400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	4,830.41	752.66
26 28 16 16-0178	EA		600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	8,084.42	1,003.54
26 28 16 16-0179			600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <sup>(26 16 16-0153)</sup>		
26 28 16 16-0180	EA		30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,199.90	237.67
26 28 16 16-0181	EA		60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,430.82	291.31
26 28 16 16-0182	EA		100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,921.53	334.45
26 28 16 16-0183	EA		200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	2,789.64	501.77
26 28 16 16-0184	EA		400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	5,899.65	821.04
26 28 16 16-0185	EA		600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	10,694.38	1,128.93
26 28 16 16-0186	EA		800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	15,170.54	1,300.49
26 28 16 16-0187	EA		1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	18,169.74	1,463.05
26 28 16 16-0188			240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <sup>(26 16 16-0153)</sup>		
26 28 16 16-0189	EA		30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	857.47	200.50
26 28 16 16-0190	EA		60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,244.59	265.52
26 28 16 16-0191	EA		100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,610.54	291.53
26 28 16 16-0192	EA		200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	2,296.10	451.38
26 28 16 16-0193	EA		400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	4,897.82	752.66
26 28 16 16-0194	EA		600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	8,825.85	1,003.54
26 28 16 16-0195	EA		800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	14,788.50	1,137.93
26 28 16 16-0196	EA		1,200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	18,446.77	1,300.49
26 28 16 16-0197			600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <sup>(26 16 16-0153)</sup>		
26 28 16 16-0198	EA		30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,244.86	237.88
26 28 16 16-0199	EA		60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,481.37	291.53
26 28 16 16-0200	EA		100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	2,033.87	334.34
26 28 16 16-0201	EA		200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	2,862.67	501.77
26 28 16 16-0202	EA		400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	6,163.65	820.93
26 28 16 16-0203	EA		600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	10,997.69	1,128.72
26 28 16 16-0204	EA		800 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	16,125.63	1,300.49
26 28 16 16-0205	EA		1,200 Amperes, 600 Volt Class, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	19,428.67	1,463.05
26 28 16 16-0206			Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <sup>(26 28 16 16-0152)</sup>		
26 28 16 16-0207			240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <sup>(26 28 16 16-0206)</sup>		
26 28 16 16-0208	EA		30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	583.89	111.52

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0209 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	956.49	154.43
26 28 16 16-0210 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,260.53	177.09
26 28 16 16-0211 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,671.39	286.76
26 28 16 16-0212 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	3,739.26	478.36
26 28 16 16-0213 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	6,845.42	637.78
26 28 16 16-0214 EA 800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	11,043.45	758.95
26 28 16 16-0215 EA 1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	14,594.05	867.31
<b>26 28 16 16-0216 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0206)</small>		
26 28 16 16-0217 EA 30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	657.70	122.89
26 28 16 16-0218 EA 60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,084.28	171.99
26 28 16 16-0219 EA 100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,424.00	194.21
26 28 16 16-0220 EA 200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,856.94	301.06
26 28 16 16-0221 EA 400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	4,248.36	501.77
26 28 16 16-0222 EA 600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	7,392.98	668.99
26 28 16 16-0223 EA 800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	11,779.17	795.04
26 28 16 16-0224 EA 1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	15,561.04	903.08
<b>26 28 16 16-0225 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0206)</small>		
26 28 16 16-0226 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	695.39	167.22
26 28 16 16-0227 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,110.87	231.59
26 28 16 16-0228 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,437.60	265.63
26 28 16 16-0229 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,958.10	430.13
26 28 16 16-0230 EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	4,274.03	717.43
26 28 16 16-0231 EA 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	7,593.71	956.40
26 28 16 16-0232 EA 800 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	11,925.81	1,137.93
26 28 16 16-0233 EA 1,200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	15,812.47	1,300.49
<b>26 28 16 16-0234 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0206)</small>		
26 28 16 16-0235 EA 30 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	755.30	184.24
26 28 16 16-0236 EA 60 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,210.07	258.04
26 28 16 16-0237 EA 100 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,553.76	291.31
26 28 16 16-0238 EA 200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	2,079.52	451.60
26 28 16 16-0239 EA 400 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	4,546.98	752.55
26 28 16 16-0240 EA 600 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	8,093.00	1,003.44
26 28 16 16-0241 EA 800 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	12,723.26	1,192.12
26 28 16 16-0242 EA 1,200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	16,862.75	1,354.68
<b>26 28 16 16-0243 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0206)</small>		
26 28 16 16-0244 EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	397.86	184.24
26 28 16 16-0245 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,256.31	258.04
26 28 16 16-0246 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,618.22	291.31
26 28 16 16-0247 EA 200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	2,157.97	451.60

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 28 16 16-0248	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	4,750.10	752.55
26 28 16 16-0249	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	8,061.96	1,003.44
26 28 16 16-0250	EA	800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	12,705.87	1,192.12
26 28 16 16-0251	EA	1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	16,839.09	1,354.68
26 28 16 16-0252		<b>General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0152)</small> Note: With fuses, neutral bar, and hub if required.		
26 28 16 16-0253		<b>240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0252)</small>		
26 28 16 16-0254	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	371.84	110.75
26 28 16 16-0255	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	527.32	132.87
26 28 16 16-0256	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	695.77	154.54
26 28 16 16-0257	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,436.08	235.60
26 28 16 16-0258	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,535.29	376.92
26 28 16 16-0259	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	6,285.07	502.85
26 28 16 16-0260		<b>240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0252)</small>		
26 28 16 16-0261	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	499.98	174.59
26 28 16 16-0262	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	723.92	230.94
26 28 16 16-0263	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	893.01	253.38
26 28 16 16-0264	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,751.18	392.64
26 28 16 16-0265	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	4,092.37	654.37
26 28 16 16-0266	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	7,033.60	872.85
26 28 16 16-0267		<b>240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0252)</small>		
26 28 16 16-0268	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	564.75	174.48
26 28 16 16-0269	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	788.86	230.94
26 28 16 16-0270	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,102.09	253.38
26 28 16 16-0271	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,886.22	392.64
26 28 16 16-0272	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	4,179.12	654.47
26 28 16 16-0273	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	7,710.87	872.85
26 28 16 16-0274	EA	800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	11,048.47	988.80
26 28 16 16-0275		<b>General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0152)</small>		
26 28 16 16-0276		<b>240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0275)</small>		
26 28 16 16-0277	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	335.87	97.00
26 28 16 16-0278	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	552.44	134.27
26 28 16 16-0279	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	579.22	154.00
26 28 16 16-0280	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,464.05	249.26
26 28 16 16-0281	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,614.09	415.94
26 28 16 16-0282	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	6,391.51	554.55

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>26 28 16 16-0283 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0275)</small>		
26 28 16 16-0284 EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	526.45 145.44
26 28 16 16-0285 EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	758.76 201.36
26 28 16 16-0286 EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,118.19 230.94
26 28 16 16-0287 EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,924.71 373.99
<b>26 28 16 16-0288 NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0001)</small>		
<b>26 28 16 16-0289 Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0288)</small> Note: With fuses and neutral bar (stainless steel).		
<b>26 28 16 16-0290 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0289)</small>		
26 28 16 16-0291 EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	1,656.57 108.38
26 28 16 16-0292 EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	1,989.92 130.59
26 28 16 16-0293 EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	4,072.75 152.59
26 28 16 16-0294 EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	5,629.68 240.81
26 28 16 16-0295 EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	11,458.35 373.67
26 28 16 16-0296 EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	16,468.74 552.50
<b>26 28 16 16-0297 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0289)</small>		
26 28 16 16-0298 EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,104.20 120.41
26 28 16 16-0299 EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,338.67 145.01
26 28 16 16-0300 EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	4,402.93 169.50
26 28 16 16-0301 EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	6,219.38 267.68
26 28 16 16-0302 EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	11,896.43 415.51
26 28 16 16-0303 EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	17,055.70 613.83
<b>26 28 16 16-0304 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0289)</small>		
26 28 16 16-0305 EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	1,855.94 170.36
26 28 16 16-0306 EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,324.80 225.75
26 28 16 16-0307 EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	4,455.67 250.89
26 28 16 16-0308 EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	6,329.72 392.64
26 28 16 16-0309 EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	12,355.51 645.04
26 28 16 16-0310 EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	17,634.33 903.08
<b>26 28 16 16-0311 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0289)</small>		
26 28 16 16-0312 EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,245.47 188.14
26 28 16 16-0313 EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,556.70 250.89
26 28 16 16-0314 EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	4,640.96 282.21
26 28 16 16-0315 EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	6,561.78 430.03
26 28 16 16-0316 EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	12,756.80 694.68
26 28 16 16-0317 EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	18,150.68 1,003.44
<b>26 28 16 16-0318 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0289)</small>		

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 28 16 16-0319	EA 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,222.31	170.36
26 28 16 16-0320	EA 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,782.80	225.75
26 28 16 16-0321	EA 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	5,372.12	250.89
26 28 16 16-0322	EA 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	7,582.93	392.64
26 28 16 16-0323	EA 400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	14,821.99	645.04
26 28 16 16-0324	EA 600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	21,023.87	903.08
<b>26 28 16 16-0325</b>	<b>600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0289)</small>		
26 28 16 16-0326	EA 30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,678.38	188.14
26 28 16 16-0327	EA 60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	3,047.61	250.89
26 28 16 16-0328	EA 100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	5,576.42	282.21
26 28 16 16-0329	EA 200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	7,825.46	430.03
26 28 16 16-0330	EA 400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	15,256.56	694.68
26 28 16 16-0331	EA 600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	21,586.43	1,003.44
<b>26 28 16 16-0332</b>	<b>Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0289)</small>		
<b>26 28 16 16-0333</b>	<b>240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0332)</small>		
26 28 16 16-0334	EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	1,588.96	108.38
26 28 16 16-0335	EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	1,932.02	150.75
26 28 16 16-0336	EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	3,648.76	173.40
26 28 16 16-0337	EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	5,058.58	277.00
26 28 16 16-0338	EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	9,214.09	461.24
26 28 16 16-0339	EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	13,200.27	628.35
<b>26 28 16 16-0340</b>	<b>600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0332)</small>		
26 28 16 16-0341	EA 30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	1,807.41	119.54
26 28 16 16-0342	EA 60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,201.40	169.07
26 28 16 16-0343	EA 100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	4,158.99	192.69
26 28 16 16-0344	EA 200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	5,750.23	301.06
26 28 16 16-0345	EA 400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	10,467.10	495.48
26 28 16 16-0346	EA 600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	15,037.12	693.59
<b>26 28 16 16-0347</b>	<b>240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0332)</small>		
26 28 16 16-0348	EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	1,654.44	141.10
26 28 16 16-0349	EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	1,997.17	196.38
26 28 16 16-0350	EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,082.00	225.75
26 28 16 16-0351	EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	4,024.44	361.21
26 28 16 16-0352	EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	5,708.68	602.13
26 28 16 16-0353	EA 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	13,978.94	821.04
<b>26 28 16 16-0354</b>	<b>600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0332)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0355 EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	1,879.66	155.73
26 28 16 16-0356 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,303.91	220.32
26 28 16 16-0357 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	4,275.38	250.89
26 28 16 16-0358 EA 200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	5,933.34	392.64
26 28 16 16-0359 EA 400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	11,861.58	645.04
26 28 16 16-0360 EA 600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	15,905.56	903.08
<b>26 28 16 16-0361 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0332)</small>		
26 28 16 16-0362 EA 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,280.78	141.10
26 28 16 16-0363 EA 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,731.83	196.38
26 28 16 16-0364 EA 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	6,171.10	225.75
26 28 16 16-0365 EA 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	9,412.12	361.21
<b>26 28 16 16-0366 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0332)</small>		
26 28 16 16-0367 EA 30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,595.48	155.73
26 28 16 16-0368 EA 60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	3,113.88	220.32
26 28 16 16-0369 EA 100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	7,038.35	250.89
26 28 16 16-0370 EA 200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	10,716.32	392.64
<b>26 28 16 16-0371 Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0288)</small>		
<b>26 28 16 16-0372 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0371)</small>		
26 28 16 16-0373 EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	3,017.61	188.02
26 28 16 16-0374 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	3,435.69	250.89
26 28 16 16-0375 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	6,194.05	282.32
26 28 16 16-0376 EA 200 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	8,055.49	430.24
<b>26 28 16 16-0377 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0371)</small>		
26 28 16 16-0378 EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,828.01	155.51
26 28 16 16-0379 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	3,237.45	220.55
26 28 16 16-0380 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	5,857.20	250.89
26 28 16 16-0381 EA 200 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	7,956.00	392.85
<b>26 28 16 16-0382 Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0288)</small>		
<b>26 28 16 16-0383 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0382)</small>		
26 28 16 16-0384 EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	3,453.50	188.02
26 28 16 16-0385 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	3,923.45	250.89
26 28 16 16-0386 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	7,116.47	282.32
<b>26 28 16 16-0387 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0382)</small>		
26 28 16 16-0388 EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	3,240.44	155.51
26 28 16 16-0389 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	3,699.27	220.55

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 28 16 16-0390	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	6,742.58		250.89
26 28 16 16-0391		<b>NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0001)</small> Note: Class 1, groups C and D, division 1 or 2, NEMA 7; Class 2, groups E, F and G, division 1 or 2, NEMA 9; or Class 3, division 1 Or 2, NEMA 9, hazardous locations as defined in NEC article 500.			
26 28 16 16-0392		<b>Heavy Duty Fusible, NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0391)</small> Note: With fuses and neutral bar.			
26 28 16 16-0393	EA	30 Amperes, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch.....	2,723.87		216.75
26 28 16 16-0394	EA	60 Amperes, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch.....	3,074.33		258.04
26 28 16 16-0395	EA	100 Amperes, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch.....	3,408.80		291.31
26 28 16 16-0396	EA	200 Amperes, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch.....	7,251.89		451.60
26 28 16 16-0397		<b>Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0391)</small>			
26 28 16 16-0398	EA	60 Amperes, 240 Volt, 3 Phase, Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch.....	2,105.81		258.04
26 28 16 16-0399	EA	100 Amperes, 240 Volt, 3 Phase, Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch.....	2,465.57		291.31
26 28 16 16-0400	EA	200 Amperes, 240 Volt, 3 Phase, Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch.....	4,541.95		451.60
26 28 16 16-0401		<b>NEMA 12 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0001)</small>			
26 28 16 16-0402		<b>Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0401)</small> Note: With fuses and neutral bar.			
26 28 16 16-0403		<b>240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0402)</small>			
26 28 16 16-0404	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	597.01		108.38
26 28 16 16-0405	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	780.84		130.59
26 28 16 16-0406	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,068.32		152.81
26 28 16 16-0407	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,803.72		240.59
26 28 16 16-0408	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	3,864.79		373.89
26 28 16 16-0409	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	6,991.46		552.71
26 28 16 16-0410		<b>600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0402)</small>			
26 28 16 16-0411	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	942.96		120.30
26 28 16 16-0412	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	969.93		145.22
26 28 16 16-0413	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,401.49		169.61
26 28 16 16-0414	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,192.42		267.68
26 28 16 16-0415	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	4,802.24		415.08
26 28 16 16-0416	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	9,522.98		613.94
26 28 16 16-0417		<b>240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0402)</small>			
26 28 16 16-0418	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	827.53		170.15
26 28 16 16-0419	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,147.45		225.96
26 28 16 16-0420	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,572.81		250.89
26 28 16 16-0421	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,335.53		392.85
26 28 16 16-0422	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	4,598.52		644.82
26 28 16 16-0423	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	7,397.35		903.30
26 28 16 16-0424		<b>600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0402)</small>			
26 28 16 16-0425	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,106.51		188.02
26 28 16 16-0426	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,248.78		250.89
26 28 16 16-0427	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,850.71		282.32

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0428	EA			200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	2,691.23	430.24
26 28 16 16-0429	EA			400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	5,663.87	694.68
26 28 16 16-0430	EA			600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	10,690.67	1,003.54
<b>26 28 16 16-0431</b>				<b>240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0402)</small>		
26 28 16 16-0432	EA			30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	885.65	170.15
26 28 16 16-0433	EA			60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,187.38	225.96
26 28 16 16-0434	EA			100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,698.13	250.89
26 28 16 16-0435	EA			200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	2,492.87	392.85
26 28 16 16-0436	EA			400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	5,019.81	644.82
26 28 16 16-0437	EA			600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	7,681.96	903.30
<b>26 28 16 16-0438</b>				<b>600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0402)</small>		
26 28 16 16-0439	EA			30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,173.89	188.02
26 28 16 16-0440	EA			60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,428.53	250.89
26 28 16 16-0441	EA			100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,974.30	282.32
26 28 16 16-0442	EA			200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	2,927.14	430.24
26 28 16 16-0443	EA			400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	6,045.82	694.68
26 28 16 16-0444	EA			600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	11,005.21	1,003.54
<b>26 28 16 16-0445</b>				<b>Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0401)</small>		
<b>26 28 16 16-0446</b>				<b>240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0445)</small>		
26 28 16 16-0447	EA			30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	625.30	156.60
26 28 16 16-0448	EA			60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	828.36	218.37
26 28 16 16-0449	EA			100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,101.63	250.89
26 28 16 16-0450	EA			200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,567.51	401.52
26 28 16 16-0451	EA			400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	3,465.61	669.21
26 28 16 16-0452	EA			600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	5,500.47	912.51
<b>26 28 16 16-0453</b>				<b>600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0445)</small>		
26 28 16 16-0454	EA			30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	697.12	172.86
26 28 16 16-0455	EA			60 Amperes, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	920.49	244.93
26 28 16 16-0456	EA			100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,227.89	278.52
26 28 16 16-0457	EA			200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,703.11	436.21
26 28 16 16-0458	EA			400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	3,668.68	716.89
26 28 16 16-0459	EA			600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	6,077.39	1,003.54
<b>26 28 16 16-0460</b>				<b>240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0445)</small>		
26 28 16 16-0461	EA			30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	805.11	140.89
26 28 16 16-0462	EA			60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,057.68	196.15
26 28 16 16-0463	EA			100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,413.55	225.96
26 28 16 16-0464	EA			200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,011.92	361.42
26 28 16 16-0465	EA			400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	4,261.46	602.02

**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 28 Low-Voltage Circuit Protective Devices**



MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 28 16 16-0466	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	6,743.88	820.93
<b>26 28 16 16-0467 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0465)</small></b>				
26 28 16 16-0468	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	785.50	155.51
26 28 16 16-0469	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,142.67	220.55
26 28 16 16-0470	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,512.77	250.89
26 28 16 16-0471	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,981.72	392.85
26 28 16 16-0472	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	4,272.76	644.82
26 28 16 16-0473	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	8,041.02	903.30
<b>26 28 16 16-0474 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0445)</small></b>				
26 28 16 16-0475	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	971.38	140.89
26 28 16 16-0476	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,152.24	196.15
26 28 16 16-0477	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,800.94	225.96
26 28 16 16-0478	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,855.36	361.42
26 28 16 16-0479	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	5,193.24	460.59
<b>26 28 16 16-0480 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0445)</small></b>				
26 28 16 16-0481	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,007.93	155.51
26 28 16 16-0482	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,255.01	220.55
26 28 16 16-0483	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,922.81	250.89
26 28 16 16-0484	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,930.97	392.85
26 28 16 16-0485	EA	400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	5,507.73	606.89
26 28 16 16-0486	<b>Double Throw Safety Switches <small>(26 28 16 16-0001)</small></b>			
26 28 16 16-0487	<b>NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0486)</small></b>			
26 28 16 16-0488	<b>240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0487)</small></b>			
26 28 16 16-0489	EA	30 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	749.02	139.26
26 28 16 16-0490	EA	60 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,109.28	182.07
26 28 16 16-0491	EA	100 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,557.98	237.88
26 28 16 16-0492	EA	200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,078.48	309.40
26 28 16 16-0493	EA	400 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	5,057.11	386.90
26 28 16 16-0494	EA	600 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	9,210.21	620.44
26 28 16 16-0495	EA	800 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	10,547.40	866.99
26 28 16 16-0496	EA	1,000 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	15,579.21	975.37
26 28 16 16-0497	EA	1,200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	18,364.48	1,083.74
<b>26 28 16 16-0498 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0487)</small></b>				
26 28 16 16-0499	EA	30 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	942.91	195.07
26 28 16 16-0500	EA	60 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,318.25	254.68
26 28 16 16-0501	EA	100 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,990.27	333.25
26 28 16 16-0502	EA	200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,929.16	433.49
26 28 16 16-0503	EA	400 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	6,967.63	541.87
26 28 16 16-0504	EA	600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	9,709.55	866.99
26 28 16 16-0505	EA	800 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	11,371.09	975.37
26 28 16 16-0506	EA	1,000 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	16,300.20	1,083.74
26 28 16 16-0507	EA	1,200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	19,336.40	1,192.12
26 28 16 16-0508	EA	1,600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	22,394.09	1,408.86
26 28 16 16-0509	EA	2,000 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	25,485.71	1,625.61
26 28 16 16-0510	EA	2,600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	34,748.07	1,842.36

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0511	EA		3,000 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	38,162.09	2,059.11
<b>26 28 16 16-0512</b>			<b>240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches</b> (26 28 16 16-0487)		
26 28 16 16-0513	EA		30 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	1,254.67	243.84
26 28 16 16-0514	EA		60 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	1,829.64	318.62
26 28 16 16-0515	EA		100 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	3,264.51	416.16
26 28 16 16-0516	EA		200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	4,475.19	540.79
26 28 16 16-0517	EA		400 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	9,067.64	677.33
26 28 16 16-0518	EA		600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	11,445.50	1,085.36
26 28 16 16-0519	EA		800 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	14,507.11	1,192.12
26 28 16 16-0520	EA		1,000 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	19,338.20	1,246.30
26 28 16 16-0521	EA		1,200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	21,702.63	1,300.49
26 28 16 16-0522	EA		1,600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	26,497.68	1,517.24
26 28 16 16-0523	EA		2,000 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	30,491.12	1,733.99
26 28 16 16-0524	EA		2,600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	43,372.06	1,950.73
26 28 16 16-0525	EA		3,000 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	47,953.96	2,167.48
<b>26 28 16 16-0526</b>			<b>600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches</b> (26 28 16 16-0487)		
26 28 16 16-0527	EA		60 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	1,284.46	182.07
26 28 16 16-0528	EA		100 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	1,935.72	237.88
26 28 16 16-0529	EA		200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,858.19	309.40
26 28 16 16-0530	EA		400 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	6,780.90	386.90
26 28 16 16-0531	EA		600 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	10,017.24	620.44
26 28 16 16-0532	EA		800 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	11,428.78	866.99
26 28 16 16-0533	EA		1,000 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	16,942.06	975.37
26 28 16 16-0534	EA		1,200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	19,984.18	1,083.74
<b>26 28 16 16-0535</b>			<b>600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches</b> (26 28 16 16-0487)		
26 28 16 16-0536	EA		60 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	1,429.52	254.68
26 28 16 16-0537	EA		100 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,125.88	333.25
26 28 16 16-0538	EA		200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	3,105.33	433.49
26 28 16 16-0539	EA		400 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	7,090.60	541.87
26 28 16 16-0540	EA		600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	10,511.92	866.99
26 28 16 16-0541	EA		800 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	12,313.12	975.37
26 28 16 16-0542	EA		1,000 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	16,973.18	1,083.74
26 28 16 16-0543	EA		1,200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	21,031.63	1,192.12
26 28 16 16-0544	EA		1,600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	25,428.42	1,408.86
26 28 16 16-0545	EA		2,000 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	28,932.05	1,625.61
26 28 16 16-0546	EA		2,600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	34,748.02	1,842.36
26 28 16 16-0547	EA		3,000 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	41,566.47	2,059.11
<b>26 28 16 16-0548</b>			<b>600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches</b> (26 28 16 16-0487)		
26 28 16 16-0549	EA		60 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	1,939.25	318.62
26 28 16 16-0550	EA		100 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	3,423.21	416.16
26 28 16 16-0551	EA		200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	4,802.69	540.79
26 28 16 16-0552	EA		400 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	9,766.03	677.33
26 28 16 16-0553	EA		600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	12,227.91	1,085.36
26 28 16 16-0554	EA		800 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	15,719.39	1,192.12
26 28 16 16-0555	EA		1,000 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	21,022.77	1,246.30
26 28 16 16-0556	EA		1,200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	23,612.78	1,300.49
26 28 16 16-0557	EA		1,600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	28,844.00	1,517.24
26 28 16 16-0558	EA		2,000 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	33,193.44	1,733.99
26 28 16 16-0559	EA		2,600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	47,319.13	1,950.73
26 28 16 16-0560	EA		3,000 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	52,315.86	2,167.48

**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 28 Low-Voltage Circuit Protective Devices**



MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 28 16 16-0561		NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0486)		
26 28 16 16-0562		240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0561)		
26 28 16 16-0563	EA	100 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,955.13	237.88
26 28 16 16-0564	EA	200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	4,516.16	309.40
26 28 16 16-0565	EA	400 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch....	14,876.96	386.90
26 28 16 16-0566	EA	600 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch....	25,629.11	620.44
26 28 16 16-0567		240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0561)		
26 28 16 16-0568	EA	100 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,559.79	332.71
26 28 16 16-0569	EA	200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	4,147.01	432.95
26 28 16 16-0570	EA	400 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch....	15,319.55	541.87
26 28 16 16-0571	EA	600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch....	16,610.62	868.62
26 28 16 16-0572		240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0561)		
26 28 16 16-0573	EA	30 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,477.62	243.95
26 28 16 16-0574	EA	60 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	3,070.20	318.41
26 28 16 16-0575	EA	100 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	4,309.48	416.05
26 28 16 16-0576	EA	200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	6,240.05	541.01
26 28 16 16-0577	EA	400 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch....	10,628.47	677.33
26 28 16 16-0578	EA	600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch....	12,358.69	1,085.47
26 28 16 16-0579		600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0561)		
26 28 16 16-0580	EA	60 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,660.87	182.07
26 28 16 16-0581	EA	100 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,533.28	237.88
26 28 16 16-0582	EA	200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	4,628.37	309.40
26 28 16 16-0583	EA	400 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	8,934.02	386.90
26 28 16 16-0584	EA	600 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch....	11,924.98	620.44
26 28 16 16-0585		600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0561)		
26 28 16 16-0586	EA	60 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,874.90	254.68
26 28 16 16-0587	EA	100 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,831.98	332.71
26 28 16 16-0588	EA	200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	5,086.50	432.95
26 28 16 16-0589	EA	400 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	9,673.23	541.87
26 28 16 16-0590	EA	600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch....	12,981.27	868.62
26 28 16 16-0591		600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0561)		
26 28 16 16-0592	EA	60 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	3,095.59	318.41
26 28 16 16-0593	EA	100 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	4,321.12	416.05
26 28 16 16-0594	EA	200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	6,401.78	541.01
26 28 16 16-0595	EA	400 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch....	10,609.38	677.33
26 28 16 16-0596	EA	600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch....	12,463.94	1,085.47
26 28 16 16-0597		NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0486)		
26 28 16 16-0598		240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0597)		
26 28 16 16-0599	EA	30 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	1,990.40	139.36
26 28 16 16-0600	EA	60 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,251.33	181.96
26 28 16 16-0601	EA	100 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,543.11	237.77
26 28 16 16-0602	EA	200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	3,498.43	309.19
26 28 16 16-0603	EA	400 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	6,562.65	387.01
26 28 16 16-0604	EA	600 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	9,616.86	620.22
26 28 16 16-0605		240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0597)		
26 28 16 16-0606	EA	30 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,282.50	195.07
26 28 16 16-0607	EA	60 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,696.57	254.68
26 28 16 16-0608	EA	100 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	3,195.88	332.71
26 28 16 16-0609	EA	200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	4,460.04	432.95
26 28 16 16-0610	EA	400 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	8,162.73	541.87
26 28 16 16-0611	EA	600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	10,765.55	868.62
26 28 16 16-0612		240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0597)		
26 28 16 16-0613	EA	30 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	3,416.69	243.95
26 28 16 16-0614	EA	60 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	3,993.06	318.41



**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 28 16 16-0674	EA	2,500 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533B480)	9,990.48	1,950.73
26 28 16 16-0675	EA	3,000 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033B480)	13,741.54	2,167.48
26 28 16 16-0676	EA	4,000 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033B480)	18,860.12	2,600.98

**26 29 Low-Voltage Controllers** (26 20)**26 29 13 Enclosed Controllers** (26 29)**26 29 13 13 Across-The-Line Motor Controllers** (26 29 13)**26 29 13 13-0001 Manual Motor Starters** (26 29 13 13)**26 29 13 13-0002 Fractional HP Manual Motor Starters** (26 29 13 13-0001)

26 29 13 13-0003	EA	NEMA 1, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG1)	220.04	54.28
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct	-3.11	
		For Oversized Enclosure, Add	31.10	
		For Pilot Light, Add	45.62	
26 29 13 13-0004	EA	NEMA 1, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG2)	288.39	70.57
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct	-3.11	
		For Oversized Enclosure, Add	31.10	
		For Pilot Light, Add	45.62	
26 29 13 13-0005	EA	NEMA 1, 1 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG3)	251.15	54.28
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct	-3.11	
		For Oversized Enclosure, Add	31.10	
		For Pilot Light, Add	45.62	
26 29 13 13-0006	EA	NEMA 1, 2 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG4)	319.49	70.57
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct	-3.11	
		For Oversized Enclosure, Add	31.10	
		For Pilot Light, Add	45.62	
26 29 13 13-0007	EA	NEMA 1, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG5)	233.52	54.28
		For Oversized Enclosure, Add	31.10	
26 29 13 13-0008	EA	NEMA 1, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG6)	306.02	70.57
		For Oversized Enclosure, Add	31.10	
26 29 13 13-0009	EA	NEMA 4, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW1)	484.36	65.14
		For Pilot Light, Add	119.23	
26 29 13 13-0010	EA	NEMA 4, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW2)	555.82	81.43
		For Pilot Light, Add	119.23	
26 29 13 13-0011	EA	NEMA 3R, 7 And 9, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR1)	515.46	65.14
26 29 13 13-0012	EA	NEMA 3R, 7 And 9, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR2)	583.81	81.43

**26 29 13 13-0013 Non Reversing Manual Motor Starters** (26 29 13 13-0001)

26 29 13 13-0014	EA	NEMA 1, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG1)	174.61	54.28
		Note: NEMA 1 or flush cover plate installation.		
		For Oversize Enclosure, Add	15.01	
		For Pilot Light, Add	72.03	
26 29 13 13-0015	EA	NEMA 1, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG2)	290.21	70.57
		Note: NEMA 1 or flush cover plate installation.		
		For Oversize Enclosure, Add	15.01	
		For Pilot Light, Add	72.03	
26 29 13 13-0016	EA	NEMA 1, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG5)	197.46	59.72
		Note: NEMA 1 or flush cover plate installation.		
		For Oversize Enclosure, Add	15.01	
		For Pilot Light, Add	72.03	
26 29 13 13-0017	EA	NEMA 1, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG6)	314.06	76.00
		Note: NEMA 1 or flush cover plate installation.		
		For Oversize Enclosure, Add	15.01	
		For Pilot Light, Add	72.03	
26 29 13 13-0018	EA	NEMA 1, Non Reversing, 2 Pole, Key Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG3)	203.62	54.28
		Note: NEMA 1 or flush cover plate installation.		
		For Oversize Enclosure, Add	15.01	
		For Pilot Light, Add	72.03	
26 29 13 13-0019	EA	NEMA 1, Non Reversing, 3 Pole, Key Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG4)	320.22	70.57
		Note: NEMA 1 or flush cover plate installation.		
		For Oversize Enclosure, Add	15.01	
		For Pilot Light, Add	72.03	
26 29 13 13-0020	EA	NEMA 4, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW1)	444.41	65.14
		For Pilot Light, Add	114.05	
26 29 13 13-0021	EA	NEMA 4, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW2)	549.01	81.43
		For Pilot Light, Add	114.05	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0022	EA		NEMA 4, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW5).....	468.28	70.57
			<i>For Pilot Light, Add</i>	114.05	
26 29 13 13-0023	EA		NEMA 4, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW6).....	569.88	86.85
			<i>For Pilot Light, Add</i>	114.05	
26 29 13 13-0024	EA		NEMA 3R, 7 And 9, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR1).....	472.43	65.14
26 29 13 13-0025	EA		NEMA 3R, 7 And 9, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR2).....	585.03	81.43
26 29 13 13-0026	EA		Open Type, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO1) .....	128.02	38.00
			<i>For Pilot Light, Add</i>	72.03	
26 29 13 13-0027	EA		Open Type, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO2) .....	243.63	54.28
			<i>For Pilot Light, Add</i>	72.03	
26 29 13 13-0028	EA		Open Type, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO5) .....	150.88	43.43
			<i>For Pilot Light, Add</i>	72.03	
26 29 13 13-0029	EA		Open Type, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO6) .....	266.49	59.72
			<i>For Pilot Light, Add</i>	72.03	
<b>26 29 13 13-0030</b>			<b>Reversing Manual Motor Starters <small>(26 29 13 13-0001)</small></b>		
26 29 13 13-0031	EA		NEMA 1, Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG11) .....	482.54	97.72
			<i>For Pilot Light, Add</i>	116.05	
26 29 13 13-0032	EA		NEMA 1, Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG22) .....	701.75	130.29
			<i>For Pilot Light, Add</i>	116.05	
<b>26 29 13 13-0033</b>			<b>Two Speed Manual Motor Starters <small>(26 29 13 13-0001)</small></b>		
26 29 13 13-0034	EA		NEMA 1, Two Speed, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG11) .....	482.54	97.72
26 29 13 13-0035	EA		NEMA 1, Two Speed, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG22) .....	701.75	130.29
<b>26 29 13 13-0036</b>			<b>Non-Reversing Integral HP Manual Motor Starters <small>(26 29 13 13-0001)</small></b>		
26 29 13 13-0037	EA		NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG1) .....	448.60	65.14
26 29 13 13-0038	EA		NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG1) .....	448.60	65.14
26 29 13 13-0039	EA		NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW11).....	943.08	76.00
26 29 13 13-0040	EA		NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW1) .....	943.08	76.00
26 29 13 13-0041	EA		NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR1) .....	1,237.52	76.00
26 29 13 13-0042	EA		Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA1).....	572.95	76.00
26 29 13 13-0043	EA		Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO1) .....	384.92	48.86
26 29 13 13-0044	EA		NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG1) .....	534.11	70.57
26 29 13 13-0045	EA		NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG1) .....	534.11	70.57
26 29 13 13-0046	EA		NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW11) .....	1,131.22	81.43
26 29 13 13-0047	EA		NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW1) .....	1,131.22	81.43
26 29 13 13-0048	EA		NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR1).....	1,448.48	81.43
26 29 13 13-0049	EA		Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA1) .....	658.46	81.43
26 29 13 13-0050	EA		Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO1) .....	470.43	54.28
26 29 13 13-0051	EA		NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG2).....	705.65	76.00
26 29 13 13-0052	EA		NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG2).....	705.65	76.00
26 29 13 13-0053	EA		NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW12) .....	1,347.37	86.85
26 29 13 13-0054	EA		NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW2) .....	1,347.37	86.85
26 29 13 13-0055	EA		NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR2) .....	1,651.14	86.85
26 29 13 13-0056	EA		Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA2) .....	833.13	86.85
26 29 13 13-0057	EA		Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO2) .....	645.09	59.72
26 29 13 13-0058	EA		NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG2) .....	555.31	81.43
26 29 13 13-0059	EA		NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG2) .....	555.31	81.43

**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
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MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 29 13 13-0060	EA NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW12).....	1,049.78	92.29
26 29 13 13-0061	EA NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW2).....	1,049.78	92.29
26 29 13 13-0062	EA NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR2).....	1,352.52	92.29
26 29 13 13-0063	EA Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA2).....	680.69	92.29
26 29 13 13-0064	EA Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO2).....	494.74	65.14
26 29 13 13-0065	EA NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG3).....	640.81	86.85
26 29 13 13-0066	EA NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG3).....	640.81	86.85
26 29 13 13-0067	EA NEMA 4X, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW13).....	1,237.93	97.72
26 29 13 13-0068	EA NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW3).....	1,237.93	97.72
26 29 13 13-0069	EA NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR3).....	1,562.44	97.72
26 29 13 13-0070	EA Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA3).....	765.16	97.72
26 29 13 13-0071	EA Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO3).....	577.14	70.57
<b>26 29 13 13-0072 Reversing Integral HP Manual Motor Starters (26 29 13 13-0001)</b>			
26 29 13 13-0073	EA NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBG1).....	1,315.08	114.00
26 29 13 13-0074	EA NEMA 1, Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511TBG1).....	1,315.08	114.00
26 29 13 13-0075	EA Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBO1).....	1,161.82	81.43
26 29 13 13-0076	EA NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCG1).....	1,557.63	124.86
26 29 13 13-0077	EA Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCO1).....	1,404.36	92.29
<b>26 29 13 13-0078 Two Speed Integral HP Manual Motor Starters (26 29 13 13-0001)</b>			
26 29 13 13-0079	EA NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBG1).....	1,315.08	114.00
26 29 13 13-0080	EA Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBO1).....	1,161.82	81.43
26 29 13 13-0081	EA NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCG1).....	1,557.63	124.86
26 29 13 13-0082	EA Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCO1).....	1,404.36	92.29
<b>26 29 13 13-0083 Magnetic Motor Starters (26 29 13 13)</b>			
<b>26 29 13 13-0084 Non Reversing, Magnetic Contactors (26 29 13 13-0083)</b>			
<b>26 29 13 13-0085 Open Enclosure, Non Reversing, Magnetic Contactors (26 29 13 13-0084)</b>			
26 29 13 13-0086	EA Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAO11).....	514.69	108.58
	<i>For Factory Installed Accessory, Deduct</i>	-217.14	
26 29 13 13-0087	EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAO12).....	579.96	119.43
	<i>For Factory Installed Accessory, Deduct</i>	-238.86	
26 29 13 13-0088	EA Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO5).....	558.24	108.58
	<i>For Factory Installed Accessory, Deduct</i>	-217.14	
26 29 13 13-0089	EA Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO1).....	624.54	119.43
	<i>For Factory Installed Accessory, Deduct</i>	-238.86	
26 29 13 13-0090	EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO2).....	689.80	130.29
	<i>For Factory Installed Accessory, Deduct</i>	-260.58	
26 29 13 13-0091	EA Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO3).....	872.10	162.86
	<i>For Factory Installed Accessory, Deduct</i>	-325.72	
26 29 13 13-0092	EA Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO4).....	1,100.01	195.43
	<i>For Factory Installed Accessory, Deduct</i>	-390.86	
26 29 13 13-0093	EA Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO5).....	652.53	119.43
	<i>For Factory Installed Accessory, Deduct</i>	-238.86	
26 29 13 13-0094	EA Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO1).....	717.80	130.29
	<i>For Factory Installed Accessory, Deduct</i>	-260.58	
26 29 13 13-0095	EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO2).....	785.12	141.15
	<i>For Factory Installed Accessory, Deduct</i>	-282.29	
26 29 13 13-0096	EA Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO3).....	1,001.03	190.01
	<i>For Factory Installed Accessory, Deduct</i>	-380.00	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0097	EA	Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO4) ..... <i>For Factory Installed Accessory, Deduct</i>	1,227.91 -445.15	222.58
26 29 13 13-0098	EA	Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDO1)..... <i>For Factory Installed Accessory, Deduct</i>	1,117.99 -260.58	130.29
26 29 13 13-0099	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDO2)..... <i>For Factory Installed Accessory, Deduct</i>	1,240.15 -325.72	162.86
26 29 13 13-0100	EA	Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDO3)..... <i>For Factory Installed Accessory, Deduct</i>	1,615.16 -434.28	217.14
26 29 13 13-0101	EA	Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO1)..... <i>For Factory Installed Accessory, Deduct</i>	1,683.89 -325.72	162.86
26 29 13 13-0102	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO2)..... <i>For Factory Installed Accessory, Deduct</i>	1,911.68 -434.28	217.14
26 29 13 13-0103	EA	Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO3)..... <i>For Factory Installed Accessory, Deduct</i>	2,432.90 -542.86	271.43
26 29 13 13-0104	EA	Size 3, 3 Phase, 5 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO4)..... <i>For Factory Installed Accessory, Deduct</i>	3,487.01 -651.44	325.72
26 29 13 13-0105	EA	Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFO1)..... <i>For Factory Installed Accessory, Deduct</i>	3,821.14 -542.86	271.43
26 29 13 13-0106	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFO2)..... <i>For Factory Installed Accessory, Deduct</i>	4,196.17 -651.44	325.72
26 29 13 13-0107	EA	Size 4, 3 Phase, 4 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFO3)..... <i>For Factory Installed Accessory, Deduct</i>	5,691.93 -760.00	380.00
26 29 13 13-0108	EA	Size 5, 1 Phase, 2 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGO1)..... <i>For Factory Installed Accessory, Deduct</i>	7,755.41 -651.44	325.72
26 29 13 13-0109	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGO2)..... <i>For Factory Installed Accessory, Deduct</i>	8,593.58 -868.58	434.28
26 29 13 13-0110	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHO2)..... <i>For Factory Installed Accessory, Deduct</i>	22,389.79 -1,302.86	651.44
26 29 13 13-0111	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SJO2)..... <i>For Factory Installed Accessory, Deduct</i>	32,049.75 -1,954.30	977.15
26 29 13 13-0112		<b>NEMA 1, Non Reversing, Magnetic Contactors</b> <small>(26 29 13 13-0084)</small>		
26 29 13 13-0113	EA	Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAG11)..... <i>For Factory Installed Accessory, Deduct</i>	546.83 -217.14	108.58
26 29 13 13-0114	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAG12)..... <i>For Factory Installed Accessory, Deduct</i>	612.10 -238.86	119.43
26 29 13 13-0115	EA	Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG5)..... <i>For Factory Installed Accessory, Deduct</i>	590.38 -217.14	108.58
26 29 13 13-0116	EA	Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG1)..... <i>For Factory Installed Accessory, Deduct</i>	657.72 -238.86	119.43
26 29 13 13-0117	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG2)..... <i>For Factory Installed Accessory, Deduct</i>	722.98 -260.58	130.29
26 29 13 13-0118	EA	Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG3)..... <i>For Factory Installed Accessory, Deduct</i>	907.35 -325.72	162.86
26 29 13 13-0119	EA	Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG4)..... <i>For Factory Installed Accessory, Deduct</i>	1,136.30 -390.86	195.43
26 29 13 13-0120	EA	Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG5)..... <i>For Factory Installed Accessory, Deduct</i>	686.75 -238.86	119.43
26 29 13 13-0121	EA	Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG1)..... <i>For Factory Installed Accessory, Deduct</i>	754.08 -260.58	130.29
26 29 13 13-0122	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG2)..... <i>For Factory Installed Accessory, Deduct</i>	819.34 -282.29	141.15
26 29 13 13-0123	EA	Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG3)..... <i>For Factory Installed Accessory, Deduct</i>	1,036.28 -380.00	190.01
26 29 13 13-0124	EA	Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG4)..... <i>For Factory Installed Accessory, Deduct</i>	1,262.13 -445.15	222.58
26 29 13 13-0125	EA	Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDG1)..... <i>For Factory Installed Accessory, Deduct</i>	1,271.43 -260.58	130.29
26 29 13 13-0126	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDG2)..... <i>For Factory Installed Accessory, Deduct</i>	1,394.63 -325.72	162.86

**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 29 Low-Voltage Controllers**



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 29 13 13-0127	EA	Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDG3) <i>For Factory Installed Accessory, Deduct</i>	1,768.61 -434.28	217.14
26 29 13 13-0128	EA	Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEG1) <i>For Factory Installed Accessory, Deduct</i>	1,985.59 -325.72	162.86
26 29 13 13-0129	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEG2) <i>For Factory Installed Accessory, Deduct</i>	2,212.35 -434.28	217.14
26 29 13 13-0130	EA	Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEG3) <i>For Factory Installed Accessory, Deduct</i>	2,734.60 -542.86	271.43
26 29 13 13-0131	EA	Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFG1) <i>For Factory Installed Accessory, Deduct</i>	4,446.31 -542.86	271.43
26 29 13 13-0132	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFG2) <i>For Factory Installed Accessory, Deduct</i>	4,821.34 -651.44	325.72
26 29 13 13-0133	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGG2) <i>For Factory Installed Accessory, Deduct</i>	9,732.99 -868.58	434.28
26 29 13 13-0134	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHG2) <i>For Factory Installed Accessory, Deduct</i>	27,400.51 -1,302.86	651.44
26 29 13 13-0135	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SJD2) <i>For Factory Installed Accessory, Deduct</i>	37,074.99 -1,954.30	977.15
<b>26 29 13 13-0136</b>		<b>NEMA 12, Non Reversing, Magnetic Contactors</b> (26 29 13 13-0084)		
26 29 13 13-0137	EA	Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBA1) <i>For Factory Installed Accessory, Deduct</i>	835.00 -238.86	119.43
26 29 13 13-0138	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBA2) <i>For Factory Installed Accessory, Deduct</i>	900.27 -260.58	130.29
26 29 13 13-0139	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCA2) <i>For Factory Installed Accessory, Deduct</i>	996.63 -282.29	141.15
26 29 13 13-0140	EA	Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDA1) <i>For Factory Installed Accessory, Deduct</i>	1,594.91 -260.58	130.29
26 29 13 13-0141	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDA2) <i>For Factory Installed Accessory, Deduct</i>	1,719.14 -325.72	162.86
26 29 13 13-0142	EA	Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEA1) <i>For Factory Installed Accessory, Deduct</i>	2,369.20 -325.72	162.86
26 29 13 13-0143	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEA2) <i>For Factory Installed Accessory, Deduct</i>	2,594.91 -434.28	217.14
26 29 13 13-0144	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFA2) <i>For Factory Installed Accessory, Deduct</i>	6,091.39 -651.44	325.72
26 29 13 13-0145	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGA2) <i>For Factory Installed Accessory, Deduct</i>	12,983.27 -868.58	434.28
26 29 13 13-0146	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHA2) <i>For Factory Installed Accessory, Deduct</i>	31,385.87 -1,302.86	651.44
<b>26 29 13 13-0147</b>		<b>NEMA 4/4X, Non Reversing, Magnetic Contactors</b> (26 29 13 13-0084)		
		Note: Brushed stainless steel enclosure.		
26 29 13 13-0148	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBW12) <i>For Factory Installed Accessory, Deduct</i>	1,240.33 -260.58	130.29
26 29 13 13-0149	EA	Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCW11) <i>For Factory Installed Accessory, Deduct</i>	1,285.95 -260.58	130.29
26 29 13 13-0150	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCW12) <i>For Factory Installed Accessory, Deduct</i>	1,351.20 -282.29	141.15
26 29 13 13-0151	EA	Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCW13) <i>For Factory Installed Accessory, Deduct</i>	1,568.14 -380.00	190.01
26 29 13 13-0152	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDW12) <i>For Factory Installed Accessory, Deduct</i>	2,458.36 -325.72	162.86
26 29 13 13-0153	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEW12) <i>For Factory Installed Accessory, Deduct</i>	3,717.74 -434.28	217.14
26 29 13 13-0154	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFW12) <i>For Factory Installed Accessory, Deduct</i>	7,391.50 -651.44	325.72
26 29 13 13-0155	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGW12) <i>For Factory Installed Accessory, Deduct</i>	12,983.27 -868.58	434.28

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0156 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHW2) ..... <i>For Factory Installed Accessory, Deduct</i>	34,782.33 -1,302.86	651.44
<b>26 29 13 13-0157 NEMA 7/9, Non Reversing, Magnetic Contactors</b> (26 29 13 13-0084) Note: Bolted cast iron enclosure.		
26 29 13 13-0158 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 7/9 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBT2) ..... <i>For Factory Installed Accessory, Deduct</i>	2,493.55 -347.43	173.72
<b>26 29 13 13-0159 Non Reversing, Magnetic Starters</b> (26 29 13 13-0083)		
<b>26 29 13 13-0160 Open Enclosure, Non Reversing, Magnetic Starters</b> (26 29 13 13-0159)		
26 29 13 13-0161 EA Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAO11) ..... <i>For Factory Installed Accessory, Deduct</i>	617.33 -217.14	108.58
26 29 13 13-0162 EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAO12) ..... <i>For Factory Installed Accessory, Deduct</i>	639.05 -238.86	119.43
26 29 13 13-0163 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBO1) ..... <i>For Factory Installed Accessory, Deduct</i>	689.86 -238.86	119.43
26 29 13 13-0164 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBO2) ..... <i>For Factory Installed Accessory, Deduct</i>	763.41 -260.58	130.29
26 29 13 13-0165 EA Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBO4) ..... <i>For Factory Installed Accessory, Deduct</i>	1,229.61 -390.86	195.43
26 29 13 13-0166 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCO1) ..... <i>For Factory Installed Accessory, Deduct</i>	786.22 -260.58	130.29
26 29 13 13-0167 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCO3) ..... <i>For Factory Installed Accessory, Deduct</i>	925.09 -282.29	141.15
26 29 13 13-0168 EA Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCO2) ..... <i>For Factory Installed Accessory, Deduct</i>	968.63 -282.29	141.15
26 29 13 13-0169 EA Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDO6) ..... <i>For Factory Installed Accessory, Deduct</i>	1,212.34 -260.58	130.29
26 29 13 13-0170 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDO1) ..... <i>For Factory Installed Accessory, Deduct</i>	1,373.90 -325.72	162.86
26 29 13 13-0171 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEO1) ..... <i>For Factory Installed Accessory, Deduct</i>	2,132.51 -434.28	217.14
26 29 13 13-0172 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFO1) ..... <i>For Factory Installed Accessory, Deduct</i>	4,536.23 -651.44	325.72
26 29 13 13-0173 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGO1) ..... <i>For Factory Installed Accessory, Deduct</i>	10,357.13 -868.58	434.28
26 29 13 13-0174 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SHO2) ..... <i>For Factory Installed Accessory, Deduct</i>	23,858.89 -1,302.86	651.44
26 29 13 13-0175 EA Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SJO2) ..... <i>For Factory Installed Accessory, Deduct</i>	34,363.82 -1,954.30	977.15
<b>26 29 13 13-0176 NEMA 1, Non Reversing, Magnetic Starters</b> (26 29 13 13-0159)		
26 29 13 13-0177 EA Size 00, 1 Phase, 2 Pole, .34 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAG11) ..... <i>For Factory Installed Accessory, Deduct</i>	651.55 -217.14	108.58
26 29 13 13-0178 EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAG12) ..... <i>For Factory Installed Accessory, Deduct</i>	673.27 -238.86	119.43
26 29 13 13-0179 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBG1) ..... <i>For Factory Installed Accessory, Deduct</i>	724.07 -238.86	119.43
26 29 13 13-0180 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBG2) ..... <i>For Factory Installed Accessory, Deduct</i>	797.63 -260.58	130.29
26 29 13 13-0181 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCG1) ..... <i>For Factory Installed Accessory, Deduct</i>	819.40 -260.58	130.29
26 29 13 13-0182 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCG3) ..... <i>For Factory Installed Accessory, Deduct</i>	893.99 -282.29	141.15
26 29 13 13-0183 EA Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCG2) ..... <i>For Factory Installed Accessory, Deduct</i>	1,003.88 -282.29	141.15
26 29 13 13-0184 EA Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDG6) ..... <i>For Factory Installed Accessory, Deduct</i>	1,366.82 -260.58	130.29

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

Table containing multiple rows of electrical specifications, including item numbers (e.g., 26 29 13 13-0185), descriptions (e.g., Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt), and associated costs.



## 26 Electrical

## 26 20 Low-Voltage Electrical Distribution

## 26 29 Low-Voltage Controllers



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 29 13 13-0243	EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO1) ..... <i>For Factory Installed Accessory, Deduct</i>	1,376.02 -304.00	152.00
26 29 13 13-0244	EA Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO2) ..... <i>For Factory Installed Accessory, Deduct</i>	1,426.77 -325.72	162.86
26 29 13 13-0245	EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO10) ..... <i>For Factory Installed Accessory, Deduct</i>	1,463.06 -325.72	162.86
26 29 13 13-0246	EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO2) ..... <i>For Factory Installed Accessory, Deduct</i>	1,565.64 -347.43	173.72
26 29 13 13-0247	EA Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO3) ..... <i>For Factory Installed Accessory, Deduct</i>	1,629.31 -380.00	190.01
26 29 13 13-0248	EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO7) ..... <i>For Factory Installed Accessory, Deduct</i>	1,666.64 -380.00	190.01
26 29 13 13-0249	EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDO1) ..... <i>For Factory Installed Accessory, Deduct</i>	2,869.66 -434.28	217.14
26 29 13 13-0250	EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEO1) ..... <i>For Factory Installed Accessory, Deduct</i>	4,696.93 -651.44	325.72
26 29 13 13-0251	EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFO1) ..... <i>For Factory Installed Accessory, Deduct</i>	10,857.60 -977.15	488.58
26 29 13 13-0252	EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SGO1) ..... <i>For Factory Installed Accessory, Deduct</i>	20,285.14 -1,302.86	651.44
26 29 13 13-0253	EA Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SJO1) ..... <i>For Factory Installed Accessory, Deduct</i>	65,890.94 -2,388.59	1,194.30
<b>26 29 13 13-0254 NEMA 1, Reversing, Magnetic Starters</b> <small>(26 29 13 13-0239)</small>			
26 29 13 13-0255	EA Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG13) ..... <i>For Factory Installed Accessory, Deduct</i>	1,217.52 -260.58	130.29
26 29 13 13-0256	EA Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG15) ..... <i>For Factory Installed Accessory, Deduct</i>	1,270.33 -282.29	141.15
26 29 13 13-0257	EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG16) ..... <i>For Factory Installed Accessory, Deduct</i>	1,307.66 -282.29	141.15
26 29 13 13-0258	EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG1) ..... <i>For Factory Installed Accessory, Deduct</i>	1,438.23 -304.00	152.00
26 29 13 13-0259	EA Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG2) ..... <i>For Factory Installed Accessory, Deduct</i>	1,491.05 -325.72	162.86
26 29 13 13-0260	EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG4) ..... <i>For Factory Installed Accessory, Deduct</i>	1,528.38 -325.72	162.86
26 29 13 13-0261	EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG2) ..... <i>For Factory Installed Accessory, Deduct</i>	1,658.95 -347.43	173.72
26 29 13 13-0262	EA Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG6) ..... <i>For Factory Installed Accessory, Deduct</i>	1,722.62 -380.00	190.01
26 29 13 13-0263	EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG8) ..... <i>For Factory Installed Accessory, Deduct</i>	1,759.94 -380.00	190.01
26 29 13 13-0264	EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDG2) ..... <i>For Factory Installed Accessory, Deduct</i>	3,112.26 -434.28	217.14
26 29 13 13-0265	EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEG2) ..... <i>For Factory Installed Accessory, Deduct</i>	5,116.82 -651.44	325.72
26 29 13 13-0266	EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFG3) ..... <i>For Factory Installed Accessory, Deduct</i>	11,628.96 -977.15	488.58
<b>26 29 13 13-0267 NEMA 12, Reversing, Magnetic Starters</b> <small>(26 29 13 13-0239)</small>			
26 29 13 13-0268	EA Size 0, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA2) ..... <i>For Factory Installed Accessory, Deduct</i>	1,756.47 -325.72	162.86
26 29 13 13-0269	EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA4) ..... <i>For Factory Installed Accessory, Deduct</i>	1,793.79 -325.72	162.86
26 29 13 13-0270	EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCA4) ..... <i>For Factory Installed Accessory, Deduct</i>	2,025.36 -380.00	190.01
26 29 13 13-0271	EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDA1) ..... <i>For Factory Installed Accessory, Deduct</i>	3,556.00 -434.28	217.14



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>26 29 13 13-0272</b>	<b>NEMA 4X, Reversing, Magnetic Starters</b> <small>(26 29 13 13-0239)</small>		
	Note: Brushed stainless steel enclosure.		
26 29 13 13-0273	EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBW14).....	2,206.43	162.86
	<i>For Factory Installed Accessory, Deduct</i>	-325.72	
26 29 13 13-0274	EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCW11).....	2,604.48	173.72
	<i>For Factory Installed Accessory, Deduct</i>	-347.43	

**26 29 13 13-0275**     **Magnetic Contactor/Starters Accessories** (26 29 13 13-0083)

26 29 13 13-0276	EA NEMA 1 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA2).....	164.30	13.57
	<i>For Factory Installed Accessory, Deduct</i>	-27.15	
26 29 13 13-0277	EA NEMA 12 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA3).....	281.34	13.57
	<i>For Factory Installed Accessory, Deduct</i>	-27.15	
26 29 13 13-0278	EA NEMA 1 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC2).....	164.30	13.57
	<i>For Factory Installed Accessory, Deduct</i>	-27.15	
26 29 13 13-0279	EA NEMA 12 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC8).....	281.34	13.57
	<i>For Factory Installed Accessory, Deduct</i>	-27.15	
26 29 13 13-0280	EA NEMA 1 And 12 Enclosure Red Pilot Light Kit, Contactor/Starter Accessory (Square D 9999SP2R).....	281.34	13.57
	<i>For Factory Installed Accessory, Deduct</i>	-27.15	
26 29 13 13-0281	EA Internal Nonconvertible Contact Block Kit, 1 Contact, Contactor/Starter Accessory (Square D 9999SX11).....	138.76	10.86
	<i>For Factory Installed Accessory, Deduct</i>	-21.71	
26 29 13 13-0282	EA External Convertible Field Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX6).....	123.39	10.86
	<i>For Factory Installed Accessory, Deduct</i>	-21.71	
26 29 13 13-0283	EA External Convertible Field Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX8).....	164.30	13.57
	<i>For Factory Installed Accessory, Deduct</i>	-27.15	
26 29 13 13-0284	EA External Field Non Convertible Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX13).....	138.76	10.86
	<i>For Factory Installed Accessory, Deduct</i>	-21.71	
26 29 13 13-0285	EA External Field Non Convertible Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX15).....	185.58	13.57
	<i>For Factory Installed Accessory, Deduct</i>	-27.15	
26 29 13 13-0286	EA 30 Amperes, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB6).....	208.51	10.86
	<i>For Factory Installed Accessory, Deduct</i>	-21.71	
26 29 13 13-0287	EA 45 Amperes, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB11).....	361.03	10.86
	<i>For Factory Installed Accessory, Deduct</i>	-21.71	
26 29 13 13-0288	EA 60 Amperes, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB21).....	383.49	10.86
	<i>For Factory Installed Accessory, Deduct</i>	-21.71	
26 29 13 13-0289	EA 30 Amperes, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB8).....	458.68	13.57
	<i>For Factory Installed Accessory, Deduct</i>	-27.15	
26 29 13 13-0290	EA 45 Amperes, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB13).....	802.73	13.57
	<i>For Factory Installed Accessory, Deduct</i>	-27.15	
26 29 13 13-0291	EA 60 Amperes, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB23).....	802.73	13.57
	<i>For Factory Installed Accessory, Deduct</i>	-27.15	
26 29 13 13-0292	EA Adapter Bracket For Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SBT1).....	47.16	8.15
	<i>For Factory Installed Accessory, Deduct</i>	-16.29	
26 29 13 13-0293	EA 1 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF3).....	97.38	10.86
	<i>For Factory Installed Accessory, Deduct</i>	-21.71	
26 29 13 13-0294	EA 2 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF4).....	128.83	13.57
	<i>For Factory Installed Accessory, Deduct</i>	-27.15	
26 29 13 13-0295	EA Transient Suppression Module, Contactor/Starter Accessory (Square D 9999ST1).....	100.45	13.57
	<i>For Factory Installed Accessory, Deduct</i>	-27.15	
26 29 13 13-0296	EA Terminal Block, Contactor/Starter Accessory (Square D 9999T7).....	55.67	8.15
	<i>For Factory Installed Accessory, Deduct</i>	-16.29	
26 29 13 13-0297	EA Closing Plate For NEMA 1 Enclosures, Contactor/Starter Accessory (Square D 9999SG1).....	33.21	8.15
	<i>For Factory Installed Accessory, Deduct</i>	-16.29	
26 29 13 13-0298	EA 1 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R39).....	181.32	10.86
	<i>For Factory Installed Accessory, Deduct</i>	-21.71	
26 29 13 13-0299	EA 2 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R40).....	314.45	13.57
	<i>For Factory Installed Accessory, Deduct</i>	-27.15	

**26 29 13 13-0300**     **Definite Purpose Starters** (26 29 13 13)

**26 29 13 13-0301**     **Open Enclosure, Definite Purpose Starter** (26 29 13 13-0300)

26 29 13 13-0302	EA Open Enclosure, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO13).....	568.50	130.29
	<i>For Factory Installed Accessory, Deduct</i>	-260.58	
26 29 13 13-0303	EA Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO22).....	567.46	130.29
	<i>For Factory Installed Accessory, Deduct</i>	-260.58	
26 29 13 13-0304	EA Open Enclosure, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO23).....	614.06	141.15
	<i>For Factory Installed Accessory, Deduct</i>	-282.29	
26 29 13 13-0305	EA Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO32).....	605.83	130.29
	<i>For Factory Installed Accessory, Deduct</i>	-260.58	
26 29 13 13-0306	EA Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO33).....	658.64	141.15
	<i>For Factory Installed Accessory, Deduct</i>	-282.29	
26 29 13 13-0307	EA Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO42).....	639.00	130.29
	<i>For Factory Installed Accessory, Deduct</i>	-260.58	
26 29 13 13-0308	EA Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO43).....	739.39	162.86
	<i>For Factory Installed Accessory, Deduct</i>	-325.72	

**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 29 Low-Voltage Controllers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0309	EA		Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO52) .....	825.44	162.86
			<i>For Factory Installed Accessory, Deduct</i>	-325.72	
26 29 13 13-0310	EA		Open Enclosure, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO53).....	1,041.46	190.01
			<i>For Factory Installed Accessory, Deduct</i>	-380.00	
<b>26 29 13 13-0311</b>			<b>NEMA 1, Definite Purpose Starter</b> <small>(26 29 13 13-0300)</small>		
26 29 13 13-0312	EA		NEMA 1, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 20 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG12) .....	583.07	119.43
			<i>For Factory Installed Accessory, Deduct</i>	-238.86	
26 29 13 13-0313	EA		NEMA 1, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG13) .....	629.67	130.29
			<i>For Factory Installed Accessory, Deduct</i>	-260.58	
26 29 13 13-0314	EA		NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG22) .....	627.60	130.29
			<i>For Factory Installed Accessory, Deduct</i>	-260.58	
26 29 13 13-0315	EA		NEMA 1, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG23) .....	677.30	141.15
			<i>For Factory Installed Accessory, Deduct</i>	-282.29	
26 29 13 13-0316	EA		NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG32) .....	667.00	130.29
			<i>For Factory Installed Accessory, Deduct</i>	-260.58	
26 29 13 13-0317	EA		NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG33) .....	720.85	141.15
			<i>For Factory Installed Accessory, Deduct</i>	-282.29	
26 29 13 13-0318	EA		NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG42) .....	702.25	130.29
			<i>For Factory Installed Accessory, Deduct</i>	-260.58	
26 29 13 13-0319	EA		NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG43) .....	801.60	162.86
			<i>For Factory Installed Accessory, Deduct</i>	-325.72	
26 29 13 13-0320	EA		NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG52) .....	884.54	162.86
			<i>For Factory Installed Accessory, Deduct</i>	-325.72	
26 29 13 13-0321	EA		NEMA 1, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG53) .....	1,101.59	190.01
			<i>For Factory Installed Accessory, Deduct</i>	-380.00	
<b>26 29 13 13-0322</b>			<b>Definite Purpose Starter Accessory</b> <small>(26 29 13 13-0300)</small>		
26 29 13 13-0323	EA		Start-Stop Push Button Kit, Definite Purpose Starter Accessory .....	185.58	13.57
			Note: Or Hand-Off-Auto Selector Switch Kit		
			<i>For Factory Installed Accessory, Deduct</i>	-27.15	
<b>26 29 13 13-0324</b>			<b>Panel Mounted Miniature Contactor</b> <small>(26 29 13 13)</small>		
<b>26 29 13 13-0325</b>			<b>Non Reversing, Panel Mounted Miniature Contactor</b> <small>(26 29 13 13-0324)</small>		
26 29 13 13-0326	EA		3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K) .....	167.68	54.28
26 29 13 13-0327	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K) .....	197.19	59.72
26 29 13 13-0328	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K) .....	197.19	59.72
26 29 13 13-0329	EA		3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K) .....	219.45	65.14
26 29 13 13-0330	EA		3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K) .....	186.34	54.28
26 29 13 13-0331	EA		3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K) .....	196.71	54.28
26 29 13 13-0332	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K) .....	214.81	59.72
26 29 13 13-0333	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K) .....	225.18	59.72
26 29 13 13-0334	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K) .....	221.03	59.72
26 29 13 13-0335	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K) .....	225.18	59.72
26 29 13 13-0336	EA		3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K) .....	240.19	65.14
26 29 13 13-0337	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K) .....	231.40	59.72
26 29 13 13-0338	EA		3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K) .....	250.56	65.14

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 29 13 13-0339	EA			3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K).....	233.47	59.72
26 29 13 13-0340	EA			3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K).....	233.47	59.72
26 29 13 13-0341	EA			3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K).....	260.92	65.14
26 29 13 13-0342	EA			3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K).....	260.92	65.14
<b>26 29 13 13-0343</b>				<b>Reversing, Panel Mounted Miniature Contactor</b> <small>(26 29 13 13-0324)</small>		
26 29 13 13-0344	EA			3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	243.36	54.28
26 29 13 13-0345	EA			3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	264.10	54.28
26 29 13 13-0346	EA			3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	292.57	59.72
26 29 13 13-0347	EA			3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	292.57	59.72
26 29 13 13-0348	EA			3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	313.31	59.72
26 29 13 13-0349	EA			3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	328.31	65.14
26 29 13 13-0350	EA			3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	328.31	65.14
26 29 13 13-0351	EA			3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	281.72	54.28
26 29 13 13-0352	EA			3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	302.46	54.28
26 29 13 13-0353	EA			3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	328.86	59.72
26 29 13 13-0354	EA			3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	349.59	59.72
26 29 13 13-0355	EA			3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	370.82	65.14
26 29 13 13-0356	EA			3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	391.56	65.14
26 29 13 13-0357	EA			3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K).....	317.45	59.72
26 29 13 13-0358	EA			3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K).....	366.18	59.72
26 29 13 13-0359	EA			3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K).....	414.37	65.14
<b>26 29 13 13-0360</b>				<b>Panel Mounted Miniature Contactor Accessories</b> <small>(26 29 13 13-0324)</small>		
26 29 13 13-0361	EA			2 Auxiliary Contacts, 10 Amperes, Panel Mounted Miniature Contactor Accessory (Square D LA1KN02).....	70.56	27.15
26 29 13 13-0362	EA			4 Auxiliary Contacts, 10 Amperes, Panel Mounted Miniature Contactor Accessory (Square D LA1KN40).....	78.56	27.15
26 29 13 13-0363	EA			Electronic Time Delay Contact, 2 Amperes, Panel Mounted Miniature Contactor Accessory (Square D LA2KT2U).....	93.06	27.15
26 29 13 13-0364	EA			Overload Relay, Panel Mounted Miniature Contactor Accessory (Square D LR2K0301).....	121.89	27.15
<b>26 29 13 13-0365</b>				<b>Reduced Voltage Auto Transformer Type 240-600 Volt, 3 Pole</b> <small>(26 29 13 13)</small>		
<b>26 29 13 13-0366</b>				<b>NEMA 1 Enclosure</b> <small>(26 29 13 13-0365)</small>		
26 29 13 13-0367	EA			Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	6,875.01	520.20
26 29 13 13-0368	EA			Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	12,006.39	693.59
26 29 13 13-0369	EA			Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	21,019.64	823.65
26 29 13 13-0370	EA			Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	51,262.69	1,007.88
26 29 13 13-0371	EA			Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	81,787.36	1,289.65
<b>26 29 13 13-0372</b>				<b>NEMA 12 Enclosure</b> <small>(26 29 13 13-0365)</small>		
26 29 13 13-0373	EA			Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	6,826.60	531.25
26 29 13 13-0374	EA			Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	11,917.96	694.68
26 29 13 13-0375	EA			Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	20,858.23	821.04
26 29 13 13-0376	EA			Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	50,852.42	1,003.44
26 29 13 13-0377	EA			Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	81,127.61	1,290.19

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<b>26 29 13 13-0378</b>	<b>Factory Modifications Pilot Devices</b> (26 29 13 13-0365)		
26 29 13 13-0379	EA Start-Stop Push-button, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	171.18	
26 29 13 13-0380	EA H-O-A Select Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	188.79	
26 29 13 13-0381	EA Forward-Reverse-Stop, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	321.36	
26 29 13 13-0382	EA Pilot Light, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	174.60	
26 29 13 13-0383	EA Fused Control Circuit, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	251.06	
26 29 13 13-0384	EA Auxiliary Interlock, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	125.53	
26 29 13 13-0385	EA Auxiliary Relay, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	409.73	
<b>26 29 13 13-0386</b>	<b>Factory Modifications Meters</b> (26 29 13 13-0365)		
26 29 13 13-0387	EA Ammeter And Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter .....	1,646.98	
26 29 13 13-0388	EA Voltmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter .....	1,590.76	
26 29 13 13-0389	EA Wattmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter .....	562.38	
26 29 13 13-0390	EA Elapsed-time Meter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter .....	465.99	
<b>26 29 13 13-0391</b>	<b>Factory Modifications Main Circuit Breakers</b> (26 29 13 13-0365)		
26 29 13 13-0392	EA Reduced Voltage Auto Transformer Starter, Size 3, Circuit Breaker, Factory Modification Main Circuit Breaker .....	2,176.73	
26 29 13 13-0393	EA Reduced Voltage Auto Transformer Starter, Size 4, Circuit Breaker, Factory Modification Main Circuit Breaker .....	3,980.97	
26 29 13 13-0394	EA Reduced Voltage Auto Transformer Starter, Size 5-7, Circuit Breaker, Factory Modification Main Circuit Breaker .....	8,467.91	
<b>26 29 13 13-0395</b>	<b>Factory Modifications Addition</b> (26 29 13 13-0365)		
	Note: For reversing service auto transformer type.		
26 29 13 13-0396	EA Reduced Voltage Auto Transformer Starter, Size 3, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase .....	365.57	
26 29 13 13-0397	EA Reduced Voltage Auto Transformer Starter, Size 4, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase .....	365.57	
26 29 13 13-0398	EA Reduced Voltage Auto Transformer Starter, Size 5, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase .....	365.57	
26 29 13 13-0399	EA Reduced Voltage Auto Transformer Starter, Size 6, 7, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase .....	365.57	
<b>26 29 13 13-0400</b>	<b>Combination Starters Non-Reversing</b> (26 29 13 13)		
<b>26 29 13 13-0401</b>	<b>240-600 Volt, 3-Pole</b> (26 29 13 13-0400)		
<b>26 29 13 13-0402</b>	<b>NEMA 1 With Disconnect Switch</b> (26 29 13 13-0401)		
26 29 13 13-0403	EA Combination Starter, Size 0, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase .....	1,669.52	249.26
26 29 13 13-0404	EA Combination Starter, Size 1, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase .....	2,017.28	390.14
26 29 13 13-0405	EA Combination Starter, Size 2, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase .....	2,853.71	455.18
26 29 13 13-0406	EA Combination Starter, Size 3, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase .....	4,375.62	563.54
26 29 13 13-0407	EA Combination Starter, Size 4, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase .....	8,068.70	899.50
26 29 13 13-0408	EA Combination Starter, Size 5, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase .....	16,318.37	1,127.09
<b>26 29 13 13-0409</b>	<b>NEMA 1 With Circuit Breaker</b> (26 29 13 13-0401)		
26 29 13 13-0410	EA Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase .....	2,131.51	249.26
26 29 13 13-0411	EA Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase .....	2,479.26	390.14
26 29 13 13-0412	EA Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase .....	3,302.86	455.18
26 29 13 13-0413	EA Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase .....	4,619.45	563.54
26 29 13 13-0414	EA Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase .....	9,467.48	899.50
26 29 13 13-0415	EA Combination Starter, Size 5, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase .....	20,027.08	1,127.09
<b>26 29 13 13-0416</b>	<b>Factory Modifications For NEMA 1 Enclosure</b> (26 29 13 13-0401)		
26 29 13 13-0417	EA Start-Stop Push-button, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt .....	210.38	
26 29 13 13-0418	EA H-O-A Select Switch, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt.....	494.14	
26 29 13 13-0419	EA Pilot Light, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt.....	341.04	
<b>26 29 13 13-0420</b>	<b>NEMA 4 With Disconnect Switch</b> (26 29 13 13-0401)		
26 29 13 13-0421	EA Combination Starter, Size 0, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase .....	3,068.72	325.12
26 29 13 13-0422	EA Combination Starter, Size 1, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase .....	3,367.03	455.18
26 29 13 13-0423	EA Combination Starter, Size 2, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase .....	4,853.33	498.52
26 29 13 13-0424	EA Combination Starter, Size 3, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase .....	7,761.77	606.89
26 29 13 13-0425	EA Combination Starter, Size 4, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase .....	12,303.56	899.50
26 29 13 13-0426	EA Combination Starter, Size 5, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase .....	27,123.68	1,127.09
<b>26 29 13 13-0427</b>	<b>NEMA 4 With Circuit Breaker</b> (26 29 13 13-0401)		
26 29 13 13-0428	EA Combination Starter, Size 0, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase .....	3,530.71	325.12
26 29 13 13-0429	EA Combination Starter, Size 1, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase .....	3,829.01	455.18

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 29 13 13-0430	EA	Combination Starter, Size 2, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	5,302.48		498.52
26 29 13 13-0431	EA	Combination Starter, Size 3, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	8,005.60		606.89
26 29 13 13-0432	EA	Combination Starter, Size 4, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	13,702.34		899.50
26 29 13 13-0433	EA	Combination Starter, Size 5, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	25,673.56		1,127.09
<b>26 29 13 13-0434</b>		<b>Factory Modifications For NEMA 4 Enclosure</b> (26 29 13 13-0401)			
26 29 13 13-0435	EA	Start-Stop Push-button, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt.....	210.41		
26 29 13 13-0436	EA	H-O-A Select Switch, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt.....	494.14		
26 29 13 13-0437	EA	Pilot Light, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt.....	341.04		
<b>26 29 13 13-0438</b>		<b>NEMA 12 With Disconnect Switch</b> (26 29 13 13-0401)			
26 29 13 13-0439	EA	Combination Starter, Size 0, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	1,727.91		250.89
26 29 13 13-0440	EA	Combination Starter, Size 1, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	2,078.87		392.64
26 29 13 13-0441	EA	Combination Starter, Size 2, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	2,951.24		451.60
26 29 13 13-0442	EA	Combination Starter, Size 3, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	4,537.96		564.42
26 29 13 13-0443	EA	Combination Starter, Size 4, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	8,381.81		903.19
26 29 13 13-0444	EA	Combination Starter, Size 5, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	17,021.39		1,128.82
<b>26 29 13 13-0445</b>		<b>NEMA 12 With Circuit Breaker</b> (26 29 13 13-0401)			
26 29 13 13-0446	EA	Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	2,279.55		250.89
26 29 13 13-0447	EA	Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	2,633.14		392.64
26 29 13 13-0448	EA	Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	3,520.85		451.60
26 29 13 13-0449	EA	Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	4,936.52		564.42
26 29 13 13-0450	EA	Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	10,163.41		903.19
26 29 13 13-0451	EA	Combination Starter, Size 5, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	21,641.20		1,128.82
<b>26 29 13 13-0452</b>		<b>Factory Modifications For NEMA 12 Enclosure</b> (26 29 13 13-0401)			
26 29 13 13-0453	EA	Start-Stop Push-button, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt.....	208.66		
26 29 13 13-0454	EA	H-O-A Select Switch, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt.....	490.03		
26 29 13 13-0455	EA	Pilot Light, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt.....	338.20		
<b>26 29 13 13-0456</b>		<b>NEMA 7 Or 9 With Circuit Breaker</b> (26 29 13 13-0401)			
26 29 13 13-0457	EA	Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	4,031.88		520.20
26 29 13 13-0458	EA	Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	5,462.48		693.59
26 29 13 13-0459	EA	Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	5,937.32		953.69
26 29 13 13-0460	EA	Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	8,823.23		1,300.49
26 29 13 13-0461	EA	Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	13,295.96		1,820.68
<b>26 29 13 13-0462</b>		<b>Factory Modifications For NEMA 7 Or 9 Enclosure</b> (26 29 13 13-0401)			
26 29 13 13-0463	EA	Start-Stop Push-button, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt.....	1,251.18		
26 29 13 13-0464	EA	H-O-A Select Switch, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt.....	1,251.18		
26 29 13 13-0465	EA	Pilot Light, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt.....	1,251.18		
<b>26 29 13 13-0466</b>		<b>Combination Starters Reversing</b> (26 29 13 13)			
<b>26 29 13 13-0467</b>		<b>240-600 Volt, 3 Pole</b> (26 29 13 13-0466)			
<b>26 29 13 13-0468</b>		<b>NEMA 1 With Disconnect Switch</b> (26 29 13 13-0467)			
26 29 13 13-0469	EA	Combination Starter, Size 0, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	2,060.61		325.12
26 29 13 13-0470	EA	Combination Starter, Size 1, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	2,387.93		455.18
26 29 13 13-0471	EA	Combination Starter, Size 2, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	3,485.42		498.52
26 29 13 13-0472	EA	Combination Starter, Size 3, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	5,316.94		606.89
26 29 13 13-0473	EA	Combination Starter, Size 4, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	10,420.09		899.50
<b>26 29 13 13-0474</b>		<b>NEMA 1 With Circuit Breaker</b> (26 29 13 13-0467)			
26 29 13 13-0475	EA	Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	2,304.36		325.12
26 29 13 13-0476	EA	Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	2,648.14		455.18
26 29 13 13-0477	EA	Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	3,790.02		498.52
26 29 13 13-0478	EA	Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	4,897.58		606.89
26 29 13 13-0479	EA	Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	11,244.00		899.50
<b>26 29 13 13-0480</b>		<b>NEMA 12 With Disconnect Switch</b> (26 29 13 13-0467)			
26 29 13 13-0481	EA	Combination Starter, Size 0, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	2,202.35		334.55
26 29 13 13-0482	EA	Combination Starter, Size 1, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	2,539.17		451.60
26 29 13 13-0483	EA	Combination Starter, Size 2, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	3,738.22		501.77
26 29 13 13-0484	EA	Combination Starter, Size 3, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	5,735.85		602.13
26 29 13 13-0485	EA	Combination Starter, Size 4, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	11,297.47		903.19
<b>26 29 13 13-0486</b>		<b>NEMA 12 With Circuit Breaker</b> (26 29 13 13-0467)			
26 29 13 13-0487	EA	Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	2,470.94		334.55
26 29 13 13-0488	EA	Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	2,825.88		451.60
26 29 13 13-0489	EA	Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	4,073.85		501.77
26 29 13 13-0490	EA	Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	5,273.78		602.13
26 29 13 13-0491	EA	Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	12,205.29		903.19

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26 29 13 13-0492		<b>NEMA 7 Or 9 With Circuit Breaker</b> <small>(26 29 13 13-0467)</small>		
26 29 13 13-0493	EA	Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	4,887.57	693.59
26 29 13 13-0494	EA	Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	5,247.50	866.99
26 29 13 13-0495	EA	Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	7,548.93	1,127.09
26 29 13 13-0496	EA	Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	12,021.21	1,473.88
26 29 13 13-0497	EA	Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	21,966.39	1,994.08
26 29 13 13-0498		<b>Solid State Motor Controllers</b> <small>(26 29 13 13)</small>		
26 29 13 13-0499		<b>Adjustable Voltage Drives, DC Motors</b> <small>(26 29 13 13-0498)</small>		
26 29 13 13-0500	EA	0.5-1.5 HP DC Solid State Motor Controller, Reversing With Dynamic Braking .....	1,639.48	195.07
26 29 13 13-0501	EA	0.5-2.0 HP DC Solid State Motor Controller, Non-Reversing With Dynamic Braking.....	1,980.56	195.07
26 29 13 13-0502		<b>Removal And Reinstallation Of Motor Starters</b> <small>(26 29 13 13)</small>		
		Note: Includes storage and cleaning.		
26 29 13 13-0503	EA	Removal And Reinstallation Of Up To 25 HP Motor Starter With Disconnect.....	774.10	
26 29 13 13-0504		<b>Auxiliary Devices</b> <small>(26 29 13 13)</small>		
26 29 13 13-0505	EA	Normally Open, Auxiliary Contact.....	482.31	108.38
26 29 13 13-0506	EA	Normally Closed, Auxiliary Contact.....	482.31	108.38
26 29 13 13-0507	EA	Pilot Light Kit.....	509.11	108.38
<b>26 29 23</b>		<b>Variable-Frequency Motor Controllers</b> <small>(26 29)</small>		
26 29 23 00-0001		<b>208/230 Volt, Ultra Low Harmonic (ULH) Variable Frequency Drives</b> <small>(26 29 23)</small>		
		Note: 1 or 3 phase. Wall mounted. ABB ACH580 Series. Includes full voltage bypass with main input circuit breaker. NEMA 1 enclosure.		
26 29 23 00-0002	EA	3/4 HP, 208/230 Volt Variable Frequency Drive .....	2,223.25	403.63
		For 6-Pulse Drive Package, Deduct	-778.75	
26 29 23 00-0003	EA	1 HP, 208/230 Volt Variable Frequency Drive .....	2,508.25	441.14
		For 6-Pulse Drive Package, Deduct	-896.53	
26 29 23 00-0004	EA	1-1/2 HP, 208/230 Volt Variable Frequency Drive .....	2,922.67	485.07
		For 6-Pulse Drive Package, Deduct	-1,073.90	
26 29 23 00-0005	EA	2 HP, 208/230 Volt Variable Frequency Drive .....	3,095.41	466.26
		For 6-Pulse Drive Package, Deduct	-1,189.60	
26 29 23 00-0006	EA	3 HP, 208/230 Volt Variable Frequency Drive .....	3,315.64	508.35
		For 6-Pulse Drive Package, Deduct	-1,264.42	
26 29 23 00-0007	EA	5 HP, 208/230 Volt Variable Frequency Drive .....	3,599.07	508.35
		For 6-Pulse Drive Package, Deduct	-1,420.31	
26 29 23 00-0008	EA	7.5 HP, 208/230 Volt Variable Frequency Drive .....	4,300.19	606.97
		For 6-Pulse Drive Package, Deduct	-1,697.44	
26 29 23 00-0009	EA	10 HP, 208/230 Volt Variable Frequency Drive .....	4,709.60	606.97
		For 6-Pulse Drive Package, Deduct	-1,922.62	
26 29 23 00-0010	EA	15 HP, 208/230 Volt Variable Frequency Drive .....	6,173.77	913.90
		For 6-Pulse Drive Package, Deduct	-2,390.28	
26 29 23 00-0011	EA	20 HP, 208/230 Volt Variable Frequency Drive .....	7,307.51	913.90
		For 6-Pulse Drive Package, Deduct	-3,013.84	
26 29 23 00-0012	EA	25 HP, 208/230 Volt Variable Frequency Drive .....	8,883.92	1,214.03
		For 6-Pulse Drive Package, Deduct	-3,550.78	
26 29 23 00-0013	EA	30 HP, 208/230 Volt Variable Frequency Drive .....	10,301.08	1,214.03
		For 6-Pulse Drive Package, Deduct	-4,330.22	
26 29 23 00-0014	EA	40 HP, 208/230 Volt Variable Frequency Drive .....	11,529.29	1,214.03
		For 6-Pulse Drive Package, Deduct	-5,005.73	
26 29 23 00-0015	EA	50 HP, 208/230 Volt Variable Frequency Drive .....	15,225.38	1,534.70
		For 6-Pulse Drive Package, Deduct	-6,685.86	
26 29 23 00-0016	EA	60 HP, 208/230 Volt Variable Frequency Drive .....	18,369.51	1,815.51
		For 6-Pulse Drive Package, Deduct	-8,106.17	
26 29 23 00-0017	EA	75 HP, 208/230 Volt Variable Frequency Drive .....	20,888.91	1,815.51
		For 6-Pulse Drive Package, Deduct	-9,491.84	
26 29 23 00-0018		<b>460/480 Volt, Ultra Low Harmonic (ULH) Variable Frequency Drives</b> <small>(26 29 23)</small>		
		Note: 3 Phase. ABB ACH580 Series. Includes full voltage bypass with main circuit breaker. NEMA 1 enclosure.		
26 29 23 00-0019	EA	3 HP, 480 Volt Variable Frequency Drive .....	5,357.52	726.23
		Note: Wall mounted.		
		For 6-Pulse Drive Package, Deduct	-2,147.79	
26 29 23 00-0020	EA	5 HP, 480 Volt Variable Frequency Drive .....	5,546.47	726.23
		Note: Wall mounted.		
		For 6-Pulse Drive Package, Deduct	-2,251.71	
26 29 23 00-0021	EA	7.5 HP, 480 Volt Variable Frequency Drive .....	6,044.98	865.30
		Note: Wall mounted.		
		For 6-Pulse Drive Package, Deduct	-2,372.96	
26 29 23 00-0022	EA	10 HP, 480 Volt Variable Frequency Drive .....	6,076.47	865.30
		Note: Wall mounted.		
		For 6-Pulse Drive Package, Deduct	-2,390.28	
26 29 23 00-0023	EA	15 HP, 480 Volt Variable Frequency Drive .....	8,103.37	1,311.84
		Note: Wall mounted.		
		For 6-Pulse Drive Package, Deduct	-3,013.84	
26 29 23 00-0024	EA	20 HP, 480 Volt Variable Frequency Drive .....	8,544.26	1,311.84
		Note: Wall mounted.		
		For 6-Pulse Drive Package, Deduct	-3,256.32	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 29 23 00-0025	EA		25 HP, 480 Volt Variable Frequency Drive ..... Note: Wall mounted.	10,232.02	1,730.61
				<i>For 6-Pulse Drive Package, Deduct</i>	-3,723.99	
	26 29 23 00-0026	EA		30 HP, 480 Volt Variable Frequency Drive ..... Note: Wall mounted.	11,806.64	1,730.61
				<i>For 6-Pulse Drive Package, Deduct</i>	-4,590.03	
	26 29 23 00-0027	EA		40 HP, 480 Volt Variable Frequency Drive ..... Note: Wall mounted.	13,444.25	1,730.61
				<i>For 6-Pulse Drive Package, Deduct</i>	-5,490.72	
	26 29 23 00-0028	EA		50 HP, 480 Volt Variable Frequency Drive ..... Note: Wall mounted.	17,623.33	2,198.30
				<i>For 6-Pulse Drive Package, Deduct</i>	-7,274.77	
	26 29 23 00-0029	EA		60 HP, 480 Volt Variable Frequency Drive ..... Note: Wall mounted.	23,605.42	2,606.90
				<i>For 6-Pulse Drive Package, Deduct</i>	-10,115.39	
	26 29 23 00-0030	EA		75 HP, 480 Volt Variable Frequency Drive ..... Note: Wall mounted.	25,117.06	2,606.90
				<i>For 6-Pulse Drive Package, Deduct</i>	-10,946.79	
	26 29 23 00-0031	EA		100 HP, 480 Volt Variable Frequency Drive ..... Note: Wall mounted.	29,114.13	2,904.89
				<i>For 6-Pulse Drive Package, Deduct</i>	-12,817.45	
	26 29 23 00-0032	EA		125 HP, 480 Volt Variable Frequency Drive ..... Note: Wall mounted.	30,751.74	2,904.89
				<i>For 6-Pulse Drive Package, Deduct</i>	-13,718.13	
	26 29 23 00-0033	EA		150 HP, 480 Volt Variable Frequency Drive ..... Note: Floor mounted.	34,152.93	2,904.89
				<i>For 6-Pulse Drive Package, Deduct</i>	-15,588.79	
	26 29 23 00-0034	EA		200 HP, 480 Volt Variable Frequency Drive ..... Note: Floor mounted.	39,386.01	3,505.86
				<i>For 6-Pulse Drive Package, Deduct</i>	-17,805.86	
	26 29 23 00-0035	EA		250 HP, 480 Volt Variable Frequency Drive ..... Note: Floor mounted.	49,504.45	3,662.33
				<i>For 6-Pulse Drive Package, Deduct</i>	-23,198.88	
	26 29 23 00-0036	EA		300 HP, 480 Volt Variable Frequency Drive ..... Note: Floor mounted.	58,087.36	4,202.39
				<i>For 6-Pulse Drive Package, Deduct</i>	-27,325.41	
	26 29 23 00-0037	EA		350 HP, 480 Volt Variable Frequency Drive ..... Note: Floor mounted.	66,909.14	4,557.62
				<i>For 6-Pulse Drive Package, Deduct</i>	-31,786.58	
	26 29 23 00-0038	EA		400 HP, 480 Volt Variable Frequency Drive ..... Note: Floor mounted.	77,655.92	4,921.30
				<i>For 6-Pulse Drive Package, Deduct</i>	-37,297.39	
	26 29 23 00-0039	EA		450 HP, 480 Volt Variable Frequency Drive ..... Note: Floor mounted.	83,684.18	5,336.62
				<i>For 6-Pulse Drive Package, Deduct</i>	-40,156.02	

**26 29 33 Controllers for Fire Pump Drivers (26 29)**

**26 29 33 13 Full-Service Controllers for Fire Pump Electric-Motor Drivers (26 29 33)**

**26 29 33 13-0001 Electric Controllers For Fire Pumps (26 29 33 13)**

**26 29 33 13-0002 Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller (26 29 33 13-0001)**

26 29 33 13-0003	EA	30 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	27,506.25	191.59
26 29 33 13-0004	EA	40 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	31,144.63	212.88
26 29 33 13-0005	EA	50 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	32,645.16	234.17
26 29 33 13-0006	EA	75 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	37,232.49	255.46
26 29 33 13-0007	EA	150 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	39,317.33	298.03
26 29 33 13-0008	EA	175 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	41,850.90	383.18
26 29 33 13-0009	EA	200 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	45,353.70	425.76
26 29 33 13-0010	EA	250 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	51,871.93	485.36
26 29 33 13-0011	EA	300 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	62,565.10	523.68
26 29 33 13-0012	EA	350 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	73,544.53	596.06
26 29 33 13-0013	EA	400 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	87,809.31	638.63
26 29 33 13-0014	EA	500 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	99,165.44	681.21

**26 29 33 19 Controllers for Fire Pump Diesel Engine Drivers (26 29 33)**

See CSI section 26 29 33 13-0000 for controllers for fire pump diesel engine drivers.

**26 30 Facility Electrical Power Generating and Storing Equipment**

**26 31 Photovoltaic Collectors (26 30)**

**26 31 00 00-0002 Rigid Photovoltaic Modules (26 31)**

**26 31 00 00-0003 Sanyo Rigid Photovoltaic Modules (26 31 00 00-0002)**

26 31 00 00-0004	EA	205 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.3% Module Efficiency (Sanyo HIP-205NHKA6)	1,787.51	102.95
		<i>For &gt;50, Deduct</i>	-158.16	
26 31 00 00-0005	EA	210 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.7% Module Efficiency (Sanyo HIP-210NHKA6)	1,873.25	102.95
		<i>For &gt;50, Deduct</i>	-166.73	
26 31 00 00-0006	EA	215 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 17.1% Module Efficiency (Sanyo HIP-215HNKA6)	1,753.88	102.95
		<i>For &gt;50, Deduct</i>	-154.80	

**26 Electrical**  
**26 30 Facility Electrical Power Generating and Storing Equipment**  
**26 31 Photovoltaic Collectors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0007			<b>Sharp Rigid Photovoltaic Modules</b> (26 31 00 00-0002)		
26 31 00 00-0008	EA		224 Watt Polycrystalline Photovoltaic Module, 64.6" x 39.1", 13.74% Module Efficiency (Sharp ND-224UC1).....	1,401.47	102.95
			<i>For &gt;50, Deduct</i>	-119.56	
26 31 00 00-0009	EA		230 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.1% Module Efficiency (Sharp NU-U230F3).....	1,592.83	102.95
			<i>For &gt;50, Deduct</i>	-138.69	
26 31 00 00-0010	EA		235 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.4% Module Efficiency (Sharp NU-U235F1).....	1,623.15	102.95
			<i>For &gt;50, Deduct</i>	-141.72	
26 31 00 00-0011	EA		240 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.7% Module Efficiency (Sharp NU-U240F1).....	1,528.41	102.95
			<i>For &gt;50, Deduct</i>	-132.25	
26 31 00 00-0012			<b>BP Solar Rigid Photovoltaic Modules</b> (26 31 00 00-0002)		
			Note: Approved for applications in NEC Class 1, Division 2, Groups C and D hazardous locations.		
26 31 00 00-0013	EA		50 Watt Polycrystalline Photovoltaic Module, 33" x 21.1" (BP SX350J).....	696.54	102.95
			<i>For &gt;50, Deduct</i>	-49.06	
26 31 00 00-0014	EA		75 Watt Polycrystalline Photovoltaic Module, 47.6" x 21.14" (BP SX375J).....	857.59	102.95
			<i>For &gt;50, Deduct</i>	-65.17	
26 31 00 00-0015	EA		80 Watt Polycrystalline Photovoltaic Module, 47.6" x 20.9" (BP SX380J).....	922.01	102.95
			<i>For &gt;50, Deduct</i>	-71.61	
26 31 00 00-0016			<b>Photovoltaic Inverters</b> (26 31)		
26 31 00 00-0017			<b>Fronius Photovoltaic Inverters</b> (26 31 00 00-0016)		
26 31 00 00-0018	EA		3 KW Photovoltaic Inverter (Fronius IG Plus 3.0-1).....	4,245.06	108.38
26 31 00 00-0019	EA		5 KW Photovoltaic Inverter (Fronius IG Plus 5.0-1).....	5,595.88	108.38
26 31 00 00-0020	EA		6 KW Photovoltaic Inverter (Fronius IG Plus 6.0-1).....	5,906.24	108.38
26 31 00 00-0021	EA		7.5 KW Photovoltaic Inverter (Fronius IG Plus 7.5-1).....	6,602.54	108.38
26 31 00 00-0022	EA		10 KW Photovoltaic Inverter (Fronius IG Plus 10.0-1).....	10,448.54	108.38
26 31 00 00-0023	EA		12 KW Photovoltaic Inverter (Fronius IG Plus 12.0-3-1).....	12,143.89	108.38
26 31 00 00-0024	EA		11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3 Delta).....	9,902.90	216.75
26 31 00 00-0025	EA		11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3).....	12,527.27	216.75
26 31 00 00-0026	EA		Inverter Display Stand (Fronius 4,045,894).....	376.86	54.18
26 31 00 00-0027			<b>SMA Photovoltaic Inverters</b> (26 31 00 00-0016)		
26 31 00 00-0028	EA		4 KW AC Photovoltaic Inverter (SMA Sunny Boy 4000TL-US-22).....	3,159.10	108.38
26 31 00 00-0029	EA		5 KW AC Photovoltaic Inverter (SMA Sunny Boy 5000TL-US-22).....	3,789.77	108.38
26 31 00 00-0030	EA		6 KW AC Photovoltaic Inverter (SMA Sunny Boy 6000TL-US-22).....	4,377.51	108.38
26 31 00 00-0031	EA		7 KW AC Photovoltaic Inverter (SMA Sunny Boy 7000TL-US-22).....	4,826.21	108.38
26 31 00 00-0032	EA		8 KW AC Photovoltaic Inverter (SMA Sunny Boy 8000TL-US-12).....	4,675.07	108.38
26 31 00 00-0033			<b>PVPowered Photovoltaic Inverters</b> (26 31 00 00-0016)		
26 31 00 00-0034	EA		120 Volt, 1.1 KW Photovoltaic Inverter (PVPowered PVP1100).....	3,902.19	108.38
26 31 00 00-0035	EA		240 Volt, 2 KW Photovoltaic Inverter (PVPowered PVP2000).....	4,080.63	108.38
26 31 00 00-0036	EA		240 Volt, 2.5 KW Photovoltaic Inverter (PVPowered PVP2500).....	4,507.37	108.38
26 31 00 00-0037	EA		240 Volt, 3.5 KW Photovoltaic Inverter (PVPowered PVP3500).....	5,345.19	135.46
26 31 00 00-0038	EA		208 Volt, 4.6 KW Photovoltaic Inverter (PVPowered PVP4600).....	6,516.64	162.56
26 31 00 00-0039	EA		240 Volt, 4.8 KW Photovoltaic Inverter (PVPowered PVP4800).....	6,570.96	162.56
26 31 00 00-0040	EA		240 Volt, 5.2 KW Photovoltaic Inverter (PVPowered PVP5200).....	6,932.51	162.56
26 31 00 00-0041	EA		208 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW).....	82,538.37	866.99
26 31 00 00-0042	EA		480 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW).....	82,647.49	866.99
26 31 00 00-0043	EA		208 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW).....	89,424.70	866.99
26 31 00 00-0044	EA		480 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW).....	82,907.91	866.99
26 31 00 00-0045			<b>Solectria Photovoltaic Inverters</b> (26 31 00 00-0016)		
26 31 00 00-0046	EA		208 Or 480 Volt, 10 KW Photovoltaic Inverter (Solectria PVI).....	13,000.81	216.75
26 31 00 00-0047	EA		208 Or 480 Volt, 13 KW Photovoltaic Inverter (Solectria PVI).....	13,000.81	216.75
26 31 00 00-0048	EA		208 Volt, 15 KW, Photovoltaic Inverter (Solectria PVI).....	13,380.36	216.75
26 31 00 00-0049	EA		480 Volt, 15 KW Photovoltaic Inverter (Solectria PVI).....	13,380.36	216.75
26 31 00 00-0050	EA		208 Volt, 50 KW Photovoltaic Inverter (Solectria PVI).....	40,731.50	650.25
26 31 00 00-0051	EA		480 Volt, 50 KW Photovoltaic Inverter (Solectria PVI).....	38,833.75	650.25
26 31 00 00-0052	EA		208 Volt, 60 KW Photovoltaic Inverter (Solectria PVI).....	44,526.99	650.25
26 31 00 00-0053	EA		480 Volt, 60 KW Photovoltaic Inverter (Solectria PVI).....	43,472.69	650.25
26 31 00 00-0054	EA		208 Volt, 75 KW Photovoltaic Inverter (Solectria PVI).....	47,268.19	650.25
26 31 00 00-0055	EA		480 Volt, 75 KW Photovoltaic Inverter (Solectria PVI).....	45,159.58	650.25
26 31 00 00-0056	EA		208 Volt, 85 KW Photovoltaic Inverter (Solectria PVI).....	49,810.30	866.99
26 31 00 00-0057	EA		480 Volt, 85 KW Photovoltaic Inverter (Solectria PVI).....	47,490.83	866.99
26 31 00 00-0058	EA		208 Volt, 100 KW Photovoltaic Inverter (Solectria PVI).....	51,708.05	866.99
26 31 00 00-0059	EA		480 Volt, 100 KW Photovoltaic Inverter (Solectria PVI).....	48,966.85	866.99
26 31 00 00-0060			<b>Xantrex Photovoltaic Inverters</b> (26 31 00 00-0016)		
26 31 00 00-0061	EA		0.6 KW Photovoltaic Inverter (Xantrex 806-1206).....	545.38	27.10
26 31 00 00-0062	EA		1 KW Photovoltaic Inverter (Xantrex 806-1210).....	594.17	27.10
26 31 00 00-0063	EA		2 KW Photovoltaic Inverter (Xantrex 806-1220).....	952.72	27.10
26 31 00 00-0064			<b>Photovoltaic DC-DC Converters</b> (26 31)		
26 31 00 00-0065	EA		15 Amperes, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-20).....	323.80	40.64
			Note: Hazardous locations.		
26 31 00 00-0066	EA		20 Amperes, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-23).....	217.70	40.64



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 31 00 00-0067	EA	60 Amperes, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-60) .....	596.64	40.64
<b>26 31 00 00-0068 Photovoltaic Combiner Boxes <small>(26 31)</small></b>				
<b>26 31 00 00-0069 Midnight Solar Photovoltaic Combiner Boxes <small>(26 31 00 00-0068)</small></b>				
26 31 00 00-0070	EA	3 - 150 Volt DC Breaker Or 3 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV3) .....	395.66	108.38
26 31 00 00-0071	EA	6 - 150 Volt DC Breaker Or 4 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV6) .....	385.83	108.38
26 31 00 00-0072	EA	12 - 150 Volt DC Breaker Or 10 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12) .....	612.63	162.56
26 31 00 00-0073	EA	6 - 300 Volt DC Breaker, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12-250) .....	616.07	162.56
26 31 00 00-0074	EA	16, 600 Volt DC Breakers, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV16) .....	934.80	162.56
<b>26 31 00 00-0075 SMA Photovoltaic Combiner Boxes <small>(26 31 00 00-0068)</small></b>				
26 31 00 00-0076	EA	6 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SBCB-6) .....	859.42	108.38
26 31 00 00-0077	EA	12 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-12) .....	1,026.87	108.38
26 31 00 00-0078	EA	28 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-28) .....	1,989.73	216.75
26 31 00 00-0079	EA	52 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-52) .....	4,539.19	216.75
26 31 00 00-0080	EA	4 Input NEMA 3R, Steel Combination DC Disconnect And Photovoltaic Combiner Box (SMA Combi-Switch) .....	768.80	108.38
<b>26 31 00 00-0081 Photovoltaic Charge Controller <small>(26 31)</small></b>				
26 31 00 00-0082	EA	35 Amperes, 12 Or 24 Volt, Charge Controller (Xantrex C-35) .....	259.38	40.64
26 31 00 00-0083	EA	40 Amperes, 12 Or 24 Volt, Charge Controller (Xantrex C-40) .....	344.64	40.64
26 31 00 00-0084	EA	60 Amperes, 12 Or 24 Volt, Charge Controller (Xantrex C-60) .....	401.48	40.64
26 31 00 00-0085	EA	Remote Digital Meter For Xantrex C-35, 40 And 60 .....	308.64	40.64
26 31 00 00-0086	EA	MPPT Charge Controller (Xantrex XW SCC) .....	1,059.42	54.18
<b>26 31 00 00-0087 Photovoltaic Batteries <small>(26 31)</small></b>				
<b>26 31 00 00-0088 Concorde Photovoltaic Batteries <small>(26 31 00 00-0087)</small></b>				
26 31 00 00-0089	EA	34 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-340T) .....	237.00	16.26
26 31 00 00-0090	EA	45 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-420T) .....	298.97	21.67
26 31 00 00-0091	EA	49 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-490T) .....	323.67	21.67
26 31 00 00-0092	EA	56 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-560T) .....	371.76	32.51
26 31 00 00-0093	EA	69 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-690T) .....	422.88	32.51
26 31 00 00-0094	EA	89 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-890T) .....	501.88	37.93
26 31 00 00-0095	EA	104 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1040T) .....	575.43	43.35
26 31 00 00-0096	EA	108 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1080T) .....	568.95	43.35
26 31 00 00-0097	EA	210 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2120T) .....	1,040.21	51.48
26 31 00 00-0098	EA	255 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2580T) .....	1,202.41	54.18
<b>26 31 00 00-0099 Deka Photovoltaic Batteries <small>(26 31 00 00-0087)</small></b>				
26 31 00 00-0100	EA	31 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8GU1) .....	249.43	27.15
26 31 00 00-0101	EA	50 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G22NF) .....	342.27	27.15
26 31 00 00-0102	EA	74 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G24) .....	503.32	27.15
26 31 00 00-0103	EA	86 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G27) .....	575.32	27.15
26 31 00 00-0104	EA	98 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G31) .....	577.22	27.15
26 31 00 00-0105	EA	183 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G4D) .....	1,115.31	27.15
26 31 00 00-0106	EA	225 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G8D) .....	1,289.62	27.15
<b>26 31 00 00-0107 Battery Enclosures <small>(26 31 00 00-0087)</small></b>				
26 31 00 00-0108	EA	14" x 12" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge 55-2501-010) .....	281.54	27.10
26 31 00 00-0109	EA	22" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS1GC) .....	1,367.31	27.15
26 31 00 00-0110	EA	37" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS2GCL) .....	1,285.84	27.15
26 31 00 00-0111	EA	37" x 16" x 14.5" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS4GC) .....	1,712.14	27.15
26 31 00 00-0112	EA	15" x 17.1" x 8.4" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSLCF1) .....	764.79	27.15
26 31 00 00-0113	EA	31" x 36" x 14" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSBR827BP) .....	1,793.61	27.15
<b>26 31 00 00-0114 Photovoltaic System Monitoring <small>(26 31)</small></b>				
26 31 00 00-0115	EA	Solar Inverter Monitor (Xantrex 864-0203) .....	593.80	54.18
26 31 00 00-0116	EA	Photovoltaic System Monitoring, Remote Diagnosis, Data Storage Communication Hub (SMA Sunny WebBox) .....	1,218.00	27.10
26 31 00 00-0117	EA	Sun Radiation And Temperature Monitor (SMA Sunny SensorBox) .....	1,018.16	27.10
26 31 00 00-0118	EA	PT100 Ambient Temperature Sensor For Sunny SensorBox (SMA) .....	190.26	27.10
26 31 00 00-0119	EA	Wind Sensor Accessory For Sunny SensorBox (SMA) .....	468.91	54.18
26 31 00 00-0120	EA	Sunny Boy Control with RS485 (SMA) .....	1,198.11	27.10
26 31 00 00-0121	EA	RS 485 Module (SMA) .....	274.71	27.10
26 31 00 00-0122	EA	RS 232 Module (SMA) .....	281.54	27.10
26 31 00 00-0123	EA	Wireless Monitor with Bluetooth (SMA Sunny Beam) .....	528.45	27.10
26 31 00 00-0124	EA	Bluetooth Piggy-Back Computer Card (SMA) .....	285.23	27.10
26 31 00 00-0125	EA	RS485-N Communication Computer Card (SMA) .....	283.32	27.10
26 31 00 00-0126	EA	Bluetooth Repeater (SMA) .....	532.52	27.10
26 31 00 00-0127	EA	Sunny Boy PC Service Cable (SMA) .....	252.51	8.13
26 31 00 00-0128	EA	Integrated Revenue Grade Meter, Option (PVPowered) .....	4,859.91	27.10
26 31 00 00-0129	EA	Data Monitoring Module (PVPowered PVM1010) .....	531.41	27.10
26 31 00 00-0130	EA	Wireless IG Personal Display (Fronius 4,240,108) .....	536.76	27.10
26 31 00 00-0131	EA	DatCom Power Supply (Fronius 43,0001,2311) .....	174.68	27.10
26 31 00 00-0132	EA	Wireless Card For IG Personal Display (Fronius 4,240,008,Z) .....	317.50	27.10

**26 Electrical****26 30 Facility Electrical Power Generating and Storing Equipment****26 31 Photovoltaic Collectors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 31 00 00-0133	EA	Retrofit Solar Inverter Interface And Power Supply Option Communication Card (Fronius 4,240,001,Z) .....	269.00	27.10
26 31 00 00-0134	EA	Datalogger Pro Box (Fronius 4,240,102) .....	1,049.43	27.10
26 31 00 00-0135	EA	Datalogger Easy Box (Fronius 4,240,103) .....	683.48	27.10
26 31 00 00-0136	EA	Datalogger Interface Box (Fronius 4,240,105) .....	1,184.48	27.10
26 31 00 00-0137	EA	Datalogger Web (Fronius 4,240,122) .....	2,033.67	27.10
26 31 00 00-0138	EA	Interface Box (Fronius 4,240,109) .....	548.14	27.10
26 31 00 00-0139	EA	Interface Card (Fronius 4,240,009,Z) .....	391.79	27.10
26 31 00 00-0140	EA	Interface Card Easy (Fronius 4,240,013,Z) .....	259.15	27.10
26 31 00 00-0141	EA	Sensor Box (Fronius 4,240,104) .....	1,095.93	27.10
26 31 00 00-0142	EA	Ambient Temperature Sensor (Fronius 43,0001,1188) .....	123.63	27.10
26 31 00 00-0143	EA	Irradiance Sensor (Fronius 43,0001,1188) .....	382.16	27.10
26 31 00 00-0144	EA	Module Temperature Sensor (Fronius 43,0001,1190) .....	425.35	27.10
26 31 00 00-0145	EA	Wind Speed Sensor (Fronius 42,0411,0027) .....	228.56	54.18

**26 31 00 00-0146 Photovoltaic System Accessories** (26 31)

26 31 00 00-0147	EA	Four Inverter Bypass Switch (OutBack AC-IOB-100Q) .....	811.75	54.18
26 31 00 00-0148	EA	Line Communication Filter (Enphase LCF) .....	1,768.51	108.38
26 31 00 00-0149	EA	15 Meter RS 485 Communication Cable (SMA) .....	135.63	8.13
26 31 00 00-0150	EA	15 Meter RS 232 Communication Cable (SMA) .....	203.84	8.13
26 31 00 00-0151	EA	24" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect .....	31.41	2.69
26 31 00 00-0152	EA	36" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect .....	33.69	2.69
26 31 00 00-0153	EA	48" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect .....	34.99	2.69
26 31 00 00-0154	EA	72" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect .....	38.57	2.69
26 31 00 00-0155	EA	120" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect .....	43.94	2.69
26 31 00 00-0156	EA	240" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect .....	69.97	5.36
26 31 00 00-0157	EA	360" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect .....	86.65	5.36
26 31 00 00-0158	EA	420" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect .....	113.90	8.05
26 31 00 00-0159	EA	36" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect .....	39.46	2.69
26 31 00 00-0160	EA	120" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect .....	54.68	2.69
26 31 00 00-0161	EA	240" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect .....	80.72	5.36
26 31 00 00-0162	EA	360" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect .....	107.58	5.36
26 31 00 00-0163	EA	600" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect .....	174.85	10.73
26 31 00 00-0164	EA	1200" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect .....	182.43	10.73
26 31 00 00-0165	EA	Lighting Kit, 9 Watt Fluorescent, 12 Volt, 4.5 Ampere Hours Battery .....	3,252.18	292.61

Note: Tamper proof enclosure.

**26 31 00 00-0166 Photovoltaic Mounting Systems** (26 31)

26 31 00 00-0167	LF	Anodized Aluminum Photovoltaic Module Mounting Rail (UNIRAC SolarMount Standard) .....	11.31	2.71
26 31 00 00-0168	EA	Splice Bar For Photovoltaic Module Mounting Rail (UNIRAC 310229) .....	33.04	13.54
26 31 00 00-0169	EA	Splice Plate For Photovoltaic Module Mounting Rail (UNIRAC 310216) .....	41.48	13.54
26 31 00 00-0170	EA	8" x 3/8" Hanger Bolt (UNIRAC 310046) .....	21.72	5.42
		Note: Supports mounting rail above tile or metal roof.		
26 31 00 00-0171	EA	Mounting Rail Grounding Clip (UNIRAC 980006) .....	10.49	4.06
		Note: One grounding clip for every two top mounting clamps (end clamps + mid clamps) in your installation. Only one of the two rails in each row requires grounding clips.		
26 31 00 00-0172	EA	Mounting Rail Grounding Lugs (UNIRAC 980012) .....	22.10	5.42
		Note: Two grounding lugs for each rail splice and one additional lug for each rail.		
26 31 00 00-0173	EA	Anodized Aluminum Photovoltaic Module Mounting End Clamp (UNIRAC 320002) .....	5.97	1.81
		Note: Four for each row of modules you plan to mount.		
26 31 00 00-0174	EA	Anodized Aluminum Photovoltaic Module Mounting Mid Clamp (UNIRAC 320008) .....	6.24	1.81
		Note: For each row, take one less than the number of modules in the row and multiply that figure by 2.		
26 31 00 00-0175	EA	Photovoltaic Module Mount L-Feet (UNIRAC 310065) .....	15.56	5.42
26 31 00 00-0176	EA	12" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310121) .....	92.11	27.10
		Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.		
26 31 00 00-0177	EA	30" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310122) .....	101.66	27.10
		Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.		
26 31 00 00-0178	EA	44" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310123) .....	109.35	27.10
		Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.		
26 31 00 00-0179	EA	12" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310107) .....	135.39	40.64
		Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0180	EA	44" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310108) .....	164.04	40.64
		Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0181	EA	72" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310109) .....	190.04	40.64
		Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0182	EA	18" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310111) .....	210.24	54.18
		Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0183	EA	64" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310112) .....	278.68	54.18
		Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0184	EA	104" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310110) .....	392.27	81.28
		Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0185	EA	Ballasted Photovoltaic Module Frame (UNIRAC 310351) .....	191.63	
		Note: Excludes ballast.		
26 31 00 00-0186	EA	Ballasted Photovoltaic Module Frame With Module Mount (UNIRAC 310355) .....	356.15	
		Note: Excludes ballast.		
26 31 00 00-0187	EA	3" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310051) .....	73.04	27.10
26 31 00 00-0188	EA	4" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310052) .....	73.92	27.10

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 31 00 00-0189 EA 6" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310053).....	74.72	27.10
26 31 00 00-0190 EA 7" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310054).....	76.73	27.10
26 31 00 00-0191 EA 3" High Aluminum Photovoltaic Module Standoff (UNIRAC 310553).....	67.71	27.10
26 31 00 00-0192 EA 4" High Aluminum Photovoltaic Module Standoff (UNIRAC 310554).....	68.72	27.10
26 31 00 00-0193 EA 6" High Aluminum Photovoltaic Module Standoff (UNIRAC 310555).....	71.69	27.10
26 31 00 00-0194 EA 7" High Aluminum Photovoltaic Module Standoff (UNIRAC 310556).....	70.85	27.10
26 31 00 00-0195 EA 3" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310390).....	139.11	40.64
26 31 00 00-0196 EA 4" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310391).....	139.72	40.64
26 31 00 00-0197 EA 7" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310394).....	141.52	40.64
26 31 00 00-0198 EA Photovoltaic Module Rapidfoot Standoff Assembly (UNIRAC 310370).....	139.64	40.64
26 31 00 00-0199 EA Photovoltaic Module Standoff Flashing (UNIRAC 990103).....	27.51	5.42
26 31 00 00-0200 EA Photovoltaic Module Standoff Ethylene Propylene Diene Monomer (EPDM) Patch (UNIRAC 990161).....	18.29	5.42
26 31 00 00-0201 EA 1/4" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004030M-0100).....	34.51	8.13
26 31 00 00-0202 EA 3/8" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004031M-0100).....	35.89	8.13
26 31 00 00-0203 EA Photovoltaic Module Standing Seam Metal Roof Mounting Clamp (UNIRAC 004032M-0100).....	9.98	1.81
Note: Mid or end clamp.		
26 31 00 00-0204 EA Photovoltaic Module Tile Roof Mounting Hook (UNIRAC 905011C-0024).....	45.24	5.42
26 31 00 00-0205 EA Photovoltaic Module Wire Clip (UNIRAC 908002S-0100).....	2.39	

## 26 32 Packaged Generator Assemblies (26 30)

### 26 32 13 Engine Generators (26 32)

See CSI section 23 13 23 13-0001 for fuel storage tanks.

#### 26 32 13 13 Diesel-Engine-Driven Generator Sets (26 32 13)

See CSI section 01 22 23 00-0712 for fuel reimbursement for commissioning.

#### 26 32 13 13-0001 Diesel Generator Sets (Cummins) (26 32 13 13)

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad without enclosure. Includes manufacturer's representative at startup. Excludes fuel, fuel tank, enclosure, active diesel particulate filter, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0691 for loadbank rental, 01 22 23 00-0712 for fuel reimbursement, 23 13 23 13-0001 for fuel day tank, 26 36 23 00-0000 for automatic transfer switch.

26 32 13 13-0002 EA 25 KW Diesel Generator Set, 3 Phase (Cummins DSKCA).....	30,060.89	950.47
<i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i>		
<i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i>		
<i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i>		
<i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i>		
<i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i>		
<i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>		
26 32 13 13-0003 EA 35 KW Diesel Generator Set, 3 Phase (Cummins DSFAA).....	31,882.63	1,170.26
<i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i>		
<i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i>		
<i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i>		
<i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i>		
<i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i>		
<i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>		
26 32 13 13-0004 EA 40 KW Diesel Generator Set, 3 Phase (Cummins DSFAB).....	32,879.07	1,283.13
<i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i>		
<i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i>		
<i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i>		
<i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i>		
<i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i>		
<i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>		
26 32 13 13-0005 EA 50 KW Diesel Generator Set, 3 Phase (Cummins DSFAC).....	38,553.08	1,473.23
<i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i>		
<i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i>		
<i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i>		
<i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i>		
<i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i>		
<i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>		
26 32 13 13-0006 EA 60 KW Diesel Generator Set, 3 Phase (Cummins DSFAD).....	41,532.84	1,693.02
<i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i>		
<i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i>		
<i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i>		
<i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i>		
<i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i>		
<i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>		
26 32 13 13-0007 EA 80 KW Diesel Generator Set, 3 Phase (Cummins DSFAE).....	48,772.89	1,984.10
<i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i>		
<i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i>		
<i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i>		
<i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i>		
<i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i>		
<i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>		
26 32 13 13-0008 EA 100 KW Diesel Generator Set, 3 Phase (Cummins DSGAA).....	52,420.82	2,304.89
<i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i>		
<i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i>		
<i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i>		
<i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i>		
<i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i>		
<i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>		
26 32 13 13-0009 EA 125 KW Diesel Generator Set, 3 Phase (Cummins DSGAB).....	53,663.75	2,732.60
<i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i>		
<i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i>		
<i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i>		
<i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i>		
<i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i>		
<i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>		

**26 Electrical**  
**26 30 Facility Electrical Power Generating and Storing Equipment**  
**26 32 Packaged Generator Assemblies**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 32 13 13-0010	EA 150 KW Diesel Generator Set, 3 Phase (Cummins DSGAC) ..... For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 1 Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	59,314.54 6,097.23 14,462.66 19,283.54 13,131.93 15,787.28 21,049.71	3,011.80
26 32 13 13-0011	EA 175 KW Diesel Generator Set, 3 Phase (Cummins DSHAB) ..... For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 1 Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	62,309.08 6,097.23 14,462.66 19,283.54 13,131.93 15,787.28 21,049.71	3,362.28
26 32 13 13-0012	EA 200 KW Diesel Generator Set, 3 Phase (Cummins DSHAC) ..... For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 1 Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	66,203.84 6,097.23 14,462.66 19,283.54 13,131.93 15,787.28 21,049.71	3,683.07
26 32 13 13-0013	EA 230 KW Diesel Generator Set, 3 Phase (Cummins DSHAD) ..... For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 1 Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	71,335.87 6,097.23 14,462.66 19,283.54 13,131.93 15,787.28 21,049.71	3,890.99
26 32 13 13-0014	EA 250 KW Diesel Generator Set, 3 Phase (Cummins DQDAA) ..... For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 1 Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	74,336.63 39,542.04 43,784.52 58,379.35 47,958.56 53,520.96 71,361.28	4,051.37
26 32 13 13-0015	EA 275 KW Diesel Generator Set, 3 Phase (Cummins DQHAA) ..... For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 1 Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	80,863.89 39,542.04 43,784.52 58,379.35 47,958.56 53,520.96 71,361.28	4,271.17
26 32 13 13-0016	EA 300 KW Diesel Generator Set, 3 Phase (Cummins DQHAB) ..... For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 1 Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	82,636.33 39,542.04 43,784.52 58,379.35 47,958.56 53,520.96 71,361.28	4,461.27
26 32 13 13-0017	EA 350 KW Diesel Generator Set, 3 Phase (Cummins DFEG) ..... For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 1 Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	93,096.23 39,542.04 43,784.52 58,379.35 47,958.56 53,520.96 71,361.28	4,989.96
26 32 13 13-0018	EA 400 KW Diesel Generator Set, 3 Phase (Cummins DFEH) ..... For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 1 Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	100,199.00 39,542.04 43,784.52 58,379.35 47,958.56 53,520.96 71,361.28	5,465.20
26 32 13 13-0019	EA 450 KW Diesel Generator Set, 3 Phase (Cummins DFEJ) ..... For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 1 Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	113,046.98 39,542.04 43,784.52 58,379.35 47,958.56 53,520.96 71,361.28	5,886.97
26 32 13 13-0020	EA 500 KW Diesel Generator Set, 3 Phase (Cummins DF EK) ..... For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 1 Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	118,877.14 39,542.04 43,784.52 58,379.35 47,958.56 53,520.96 71,361.28	6,273.10
26 32 13 13-0021	EA 600 KW Diesel Generator Set, 3 Phase (Cummins DQCA) ..... For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 1 Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	172,436.57 80,777.13 97,274.54 129,699.39 95,009.64 113,323.38 151,097.84	6,908.72
26 32 13 13-0022	EA 750 KW Diesel Generator Set, 3 Phase (Cummins DQCB) ..... For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 1 Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	197,423.62 80,777.13 97,274.54 129,699.39 95,009.64 113,323.38 151,097.84	7,597.81

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 32 13 13-0023	EA 800 KW Diesel Generator Set, 3 Phase (Cummins DQCC)..... <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	206,136.53 80,777.13 97,274.54 129,699.39 95,009.64 113,323.38 151,097.84	7,764.15
26 32 13 13-0024	EA 900 KW Diesel Generator Set, 3 Phase (Cummins DQFAC)..... <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	251,312.79 80,777.13 97,274.54 129,699.39 95,009.64 113,323.38 151,097.84	8,370.07
26 32 13 13-0025	EA 1,000 KW Diesel Generator Set, 3 Phase (Cummins DQFAD)..... <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	280,783.77 80,777.13 97,274.54 129,699.39 95,009.64 113,323.38 151,097.84	8,910.65

**26 32 13 19 Natural Gas-Engine-Driven Generator Sets** (26 32 13)

**26 32 13 19-0001 Natural Gas Or Propane Generator Sets (Cummins)** (26 32 13 19)

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad without enclosure. Includes manufacturer's representative at startup. Excludes fuel, fuel tank, enclosure, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0691 for loadbank rental, 01 22 23 00-0712 for fuel reimbursement, 26 36 23 00-0000 for automatic transfer switches.

26 32 13 19-0002	EA 20 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMA)..... <i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	12,816.88 3,656.10 9,459.43 12,612.58 3,959.82 6,569.72	796.02
26 32 13 19-0003	EA 25 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMB)..... <i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	14,473.08 3,656.10 9,459.43 12,612.58 3,959.82 6,569.72	950.47
26 32 13 19-0004	EA 29 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMC)..... <i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	16,684.79 3,656.10 9,459.43 12,612.58 3,959.82 6,569.72	1,057.39
26 32 13 19-0005	EA 35 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPA)..... <i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	18,909.85 3,656.10 9,459.43 12,612.58 11,200.76 18,799.81	1,170.26
26 32 13 19-0006	EA 40 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPB)..... <i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	21,205.57 3,656.10 9,459.43 12,612.58 11,200.76 18,799.81	1,283.13
26 32 13 19-0007	EA 45 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPC)..... <i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	22,972.66 3,656.10 9,459.43 12,612.58 11,200.76 18,799.81	1,384.12
26 32 13 19-0008	EA 60 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHE)..... <i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	25,155.57 3,656.10 9,459.43 12,612.58 11,200.76 18,799.81	1,693.02
26 32 13 19-0009	EA 70 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHF)..... <i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	26,999.13 3,656.10 9,459.43 12,612.58 11,200.76 18,799.81	1,895.00
26 32 13 19-0010	EA 85 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHG)..... <i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	35,326.97 6,663.46 14,462.66 19,283.54 13,131.93 18,799.81	2,025.69

**26 Electrical****26 30 Facility Electrical Power Generating and Storing Equipment****26 32 Packaged Generator Assemblies**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 32 13 19-0011	EA	100 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHH).....	42,519.51	2,281.13
		<i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i>	6,663.46	
		<i>For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add</i>	14,462.66	
		<i>For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i>	19,283.54	
		<i>For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	13,131.93	
		<i>For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	18,799.81	
26 32 13 19-0012	EA	125 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGLA).....	48,729.61	2,732.60
		<i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i>	6,663.46	
		<i>For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add</i>	14,462.66	
		<i>For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i>	19,283.54	
		<i>For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	13,131.93	
		<i>For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	18,799.81	
26 32 13 19-0013	EA	150 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGLB).....	57,852.13	3,011.80
		<i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i>	6,663.46	
		<i>For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add</i>	14,462.66	
		<i>For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i>	19,283.54	
		<i>For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	13,131.93	
		<i>For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	18,799.81	
26 32 13 19-0014	EA	175 KW Natural Gas Generator Set, 3 Phase (Cummins GFBA).....	93,236.22	8,011.15
		<i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i>	35,559.71	
		<i>For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add</i>	39,363.46	
		<i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i>	52,484.61	
		<i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i>	38,880.19	
		<i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	58,343.72	
26 32 13 19-0015	EA	205 KW Natural Gas Generator Set, 3 Phase (Cummins GFBB).....	105,793.35	3,617.73
		<i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i>	35,559.71	
		<i>For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add</i>	39,363.46	
		<i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i>	52,484.61	
		<i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i>	38,880.19	
		<i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	58,343.72	
26 32 13 19-0016	EA	250 KW Natural Gas Generator Set, 3 Phase (Cummins GFBC).....	113,781.79	4,051.37
		<i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i>	35,559.71	
		<i>For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add</i>	39,363.46	
		<i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i>	52,484.61	
		<i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i>	38,880.19	
		<i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	58,343.72	
26 32 13 19-0017	EA	300 KW Natural Gas Generator Set, 3 Phase (Cummins GFCA).....	146,977.35	4,461.27
		<i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i>	35,559.71	
		<i>For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add</i>	39,363.46	
		<i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i>	52,484.61	
		<i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i>	38,880.19	
		<i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	58,343.72	
26 32 13 19-0018	EA	350 KW Natural Gas Generator Set, 3 Phase (Cummins GFEB).....	157,788.39	4,989.96
		<i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i>	35,559.71	
		<i>For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add</i>	39,363.46	
		<i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i>	52,484.61	
		<i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i>	38,880.19	
		<i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	58,343.72	
26 32 13 19-0019	EA	450 KW Natural Gas Generator Set, 3 Phase (Cummins GFDA).....	221,433.69	5,886.97
		<i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i>	77,646.01	
		<i>For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add</i>	82,498.31	
		<i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i>	109,997.74	
		<i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i>	88,192.43	
		<i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	124,646.49	
26 32 13 19-0020	EA	500 KW Natural Gas Generator Set, 3 Phase (Cummins GFEB).....	283,025.36	6,273.10
		<i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i>	77,646.01	
		<i>For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add</i>	82,498.31	
		<i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i>	109,997.74	
		<i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i>	88,192.43	
		<i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	124,646.49	
26 32 13 19-0021	EA	550 KW Natural Gas Generator Set, 3 Phase (Cummins GFJC).....	316,602.15	6,611.71
		<i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i>	77,646.01	
		<i>For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add</i>	82,498.31	
		<i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i>	109,997.74	
		<i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i>	88,192.43	
		<i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	124,646.49	
26 32 13 19-0022	EA	600 KW Natural Gas Generator Set, 3 Phase (Cummins GFDA).....	360,484.60	6,908.72
		<i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i>	77,646.01	
		<i>For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add</i>	82,498.31	
		<i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i>	109,997.74	
		<i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i>	88,192.43	
		<i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	124,646.49	
26 32 13 19-0023	EA	650 KW Natural Gas Generator Set, 3 Phase (Cummins GFLE).....	376,905.42	7,170.10
		<i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i>	77,646.01	
		<i>For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add</i>	82,498.31	
		<i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i>	109,997.74	
		<i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i>	88,192.43	
		<i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	124,646.49	
26 32 13 19-0024	EA	725 KW Natural Gas Generator Set, 3 Phase (Cummins GFLE).....	398,660.10	7,663.16
		<i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i>	77,646.01	
		<i>For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add</i>	82,498.31	
		<i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i>	109,997.74	
		<i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i>	88,192.43	
		<i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	124,646.49	

**26 32 13 19-0025 Small Natural Gas Or Propane Air Cooled Generator Sets** (26 32 13 19)

26 32 13 19-0026	EA	7.5 KW Natural Gas Or Propane Air Cooled Generator Set.....	4,320.06	501.87
		Note: Includes weatherproof composite enclosure and 100 A automatic transfer switch.		
26 32 13 19-0027	EA	10 KW Natural Gas Or Propane Air Cooled Generator Set.....	5,442.76	557.63
		Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 32 13 19-0028	EA	14 KW Natural Gas Or Propane Air Cooled Generator Set .....	6,243.04	597.14
Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.				

**26 32 29 Rotary Converters (26 32)**

<b>26 32 29 00-0001 60 Hz AC Input 230 Or 460 Volt, 125 Volt DC Output (26 32 29)</b>				
26 32 29 00-0002	EA	3 KW, 24 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	7,973.56	216.75
26 32 29 00-0003	EA	5 KW, 40 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	9,707.97	216.75
26 32 29 00-0004	EA	7.5 KW, 60 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	12,853.87	216.75
26 32 29 00-0005	EA	10 KW, 80 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	12,954.83	216.75
26 32 29 00-0006	EA	15 KW, 120 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	14,383.39	270.94
26 32 29 00-0007	EA	20 KW, 160 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	15,575.09	270.94
26 32 29 00-0008	EA	25 KW, 200 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	16,307.91	270.94
26 32 29 00-0009	EA	40 KW, 320 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	19,861.60	357.63
26 32 29 00-0010	EA	50 KW, 400 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	22,070.90	357.63

**26 32 29 00-0011 60 Hz AC Input, 230 Or 460 Volt, 250 Volts DC Output (26 32 29)**

26 32 29 00-0012	EA	3 KW, 12 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	9,229.18	216.75
26 32 29 00-0013	EA	5 KW, 20 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	11,001.64	216.75
26 32 29 00-0014	EA	7.5 KW, 30 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	12,580.68	216.75
26 32 29 00-0015	EA	10 KW, 40 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	12,929.21	216.75
26 32 29 00-0016	EA	15 KW, 60 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	14,647.07	270.94
26 32 29 00-0017	EA	20 KW, 80 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	16,105.87	270.94
26 32 29 00-0018	EA	25 KW, 100 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	16,636.66	270.94
26 32 29 00-0019	EA	40 KW, 160 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	19,782.84	357.63
26 32 29 00-0020	EA	50 KW, 200 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	20,984.81	357.63

**26 32 29 00-0021 460 Volt 3 Phase AC Motor Drive 250 Volt DC (26 32 29)**

26 32 29 00-0022	EA	33 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion .....	23,561.74	4,158.31
26 32 29 00-0023	EA	40 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion .....	26,159.00	4,158.31
26 32 29 00-0024	EA	50 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion .....	29,767.34	5,940.43
26 32 29 00-0025	EA	65 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion .....	34,697.34	5,940.43
26 32 29 00-0026	EA	85 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion .....	39,350.81	5,940.43
26 32 29 00-0027	EA	100 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion .....	46,245.11	8,910.65
26 32 29 00-0028	EA	125 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion .....	56,102.52	8,910.65

**26 32 29 00-0029 4,160 Volt 3 Phase AC Motor Drive 250 Or 500 Volt DC (26 32 29)**

26 32 29 00-0030	EA	170 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion .....	81,649.63	11,880.87
26 32 29 00-0031	EA	200 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion .....	88,983.15	11,880.87
26 32 29 00-0032	EA	240 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion .....	107,032.30	15,445.13
26 32 29 00-0033	EA	320 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion .....	121,694.64	18,771.77
26 32 29 00-0034	EA	400 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion .....	144,099.92	18,771.77
26 32 29 00-0035	EA	560 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion .....	204,293.45	28,038.85
26 32 29 00-0036	EA	640 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion .....	211,493.56	28,038.85
26 32 29 00-0037	EA	800 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion .....	243,446.15	32,672.39

**26 33 Battery Equipment (26 30)**

**26 33 13 Batteries (26 33)**

**26 33 13 00-0001 Standby Batteries (26 33 13)**

26 33 13 00-0002	EA	12 Volt, 100 Ampere Hours To 10.5 Volt Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery .....	976.53	27.15
26 33 13 00-0003	EA	12 Volt, 100 Ampere Hours To 10.5 Volt Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery With Steel Jacket.....	1,054.68	27.15
26 33 13 00-0004	EA	725CCA, Group 31, 12 Volt Lead Calcium Standby Battery .....	267.41	27.15
26 33 13 00-0005	EA	810CCA, Group 24, 12 Volt Lead Calcium Standby Battery .....	243.97	27.15
26 33 13 00-0006	EA	1080CCA, Group 4D, 12 Volt Lead Calcium Standby Battery .....	411.11	27.15
26 33 13 00-0007	EA	1400CCA, Group 8D, 12 Volt Lead Calcium Standby Battery .....	475.88	27.15

**26 33 43 Battery Chargers (26 33)**

**26 33 43 00-0001 Solid State Chargers, Single Phase (26 33 43)**

Note: Includes wall bracket, 10' of DC charging cable and standard connector, 208/240/480 V.				
26 33 43 00-0002	EA	Solid State Battery Charger, 6 Cell Single Phase With Wall Bracket, 208/240/480 Volt.....	2,844.80	618.78
26 33 43 00-0003	EA	Solid State Battery Charger, 9 Cell Single Phase With Wall Bracket, 208/240/480 Volt.....	3,315.60	618.78
26 33 43 00-0004	EA	Solid State Battery Charger, 12 Cell Single Phase With Wall Bracket, 208/240/480 Volt.....	3,649.04	618.78
26 33 43 00-0005	EA	Solid State Battery Charger, 18 Cell Single Phase With Wall Bracket, 208/240/480 Volt.....	3,863.53	732.64

**26 33 53 Static Uninterruptible Power Supply (26 33)**

**26 33 53 00-0001 Single Phase, Uninterruptible Power Supply Systems (UPS) (26 33 53)**

**26 33 53 00-0002 Single Phase, Uninterruptible Power Supply Systems (UPS) (26 33 53 00-0001)**

**26 33 53 00-0003 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (26 33 53 00-0002)**

Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.				
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**26 Electrical****26 30 Facility Electrical Power Generating and Storing Equipment****26 33 Battery Equipment**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 33 53 00-0004	EA 0.5 kVA, 450 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-500RT120)..... Note: Includes 12 minutes of battery backup at full load.	1,034.76	107.30
26 33 53 00-0005	EA 0.7 kVA, 630 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT120)..... Note: Includes 6 minutes of battery backup at full load.	1,236.02	125.17
26 33 53 00-0006	EA 1 kVA, 900 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT120)..... Note: Includes 5 minutes of battery backup at full load.	1,523.45	143.05
26 33 53 00-0007	EA 1.5 kVA, 1,350 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT120)..... Note: Includes 5 minutes of battery backup at full load.	1,861.01	160.94
26 33 53 00-0008	EA 2 kVA, 1,800 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT120)..... Note: Includes 4 minutes of battery backup at full load.	2,387.94	178.82
26 33 53 00-0009	EA 3 kVA, 2,700 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT120)..... Note: Includes 4 minutes of battery backup at full load.	3,845.67	214.58
26 33 53 00-0010	<b>208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS)</b> <small>(26 33 53 00-0002)</small> Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0011	EA 3 kVA, 2,700 Watt, 208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT208)..... Note: Includes 4 minutes of battery backup at full load.	3,774.88	214.58
26 33 53 00-0012	<b>120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS)</b> <small>(26 33 53 00-0002)</small> Note: Rack mount or tower configuration. Includes 50 or 60 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0013	EA 5 kVA, 4,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT208)..... Note: Includes 5 minutes of battery backup at full load.	5,822.99	286.11
26 33 53 00-0014	EA 6 kVA, 4,800 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT208)..... Note: Includes 4 minutes of battery backup at full load.	6,367.92	321.88
26 33 53 00-0015	EA 8 kVA, 7,200 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-8000RT208)..... Note: Includes 7 minutes of battery backup at full load.	9,521.58	393.40
26 33 53 00-0016	EA 10 kVA, 9,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT208)..... Note: Includes 4-1/2 minutes of battery backup at full load.	10,945.09	429.16
26 33 53 00-0017	<b>230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS)</b> <small>(26 33 53 00-0002)</small> Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0018	EA 0.7 kVA, 630 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT230)..... Note: Includes 11 minutes of battery backup at full load.	1,236.02	125.17
26 33 53 00-0019	EA 1 kVA, 900 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT230)..... Note: Includes 6 minutes of battery backup at full load.	1,523.45	143.05
26 33 53 00-0020	EA 1.5 kVA, 1,350 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT230)..... Note: Includes 4 minutes of battery backup at full load.	1,881.92	160.94
26 33 53 00-0021	EA 2 kVA, 1,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT230)..... Note: Includes 4 minutes of battery backup at full load.	2,392.98	178.82
26 33 53 00-0022	EA 3 kVA, 2,700 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT230)..... Note: Includes 4 minutes of battery backup at full load.	3,861.39	214.58
26 33 53 00-0023	EA 5 kVA, 4,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT230)..... Note: Includes 9 minutes of battery backup at full load.	5,586.58	286.11
26 33 53 00-0024	EA 6 kVA, 4,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT230)..... Note: Includes 6 minutes of battery backup at full load.	6,859.42	321.88
26 33 53 00-0025	EA 10 kVA, 9,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT230)..... Note: Includes 3 minutes of battery backup at full load.	10,607.15	429.16
26 33 53 00-0026	<b>Optional Accessories For Single Phase, Uninterruptible Power Supply Systems</b> <small>(26 33 53 00-0001)</small>		
26 33 53 00-0027	EA External Battery Cabinet For 0.5 To 2 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-48VBATT)..... Note: Rack mount or tower configuration.	686.18	32.51
26 33 53 00-0028	EA External Battery Cabinet For 3 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-72VBATT)..... Note: Rack mount or tower configuration.	898.83	32.51



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0029 EA External Battery Cabinet For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATT).....	875.16	32.51
Note: Rack mount or tower configuration.		
26 33 53 00-0030 EA External Battery Cabinet For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTVBATT).....	594.58	32.51
Note: Rack mount or tower configuration.		
26 33 53 00-0031 EA Internal Replacement Battery For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATKIT).....	879.22	107.30
26 33 53 00-0032 EA Internal Replacement Battery For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTBKIT).....	987.59	143.05
<b>26 33 53 00-0033</b>	<b>Three Phase, Uninterruptible Power Supply Systems (UPS) (26 33 53)</b>	
<b>26 33 53 00-0034</b>	<b>208 Volt AC Output, 120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) With Internal Battery (26 33 53 00-0033)</b>	
Note: Includes start-up, 60 Hz frequency, bypass switch and diagnostics.		
26 33 53 00-0035 EA 10 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS).....	33,929.90	429.16
26 33 53 00-0036 EA 15 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS).....	37,594.81	572.21
26 33 53 00-0037 EA 20 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS).....	42,047.87	715.27
26 33 53 00-0038 EA 30 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS).....	45,633.97	858.32
26 33 53 00-0039 EA 40 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS).....	54,894.74	1,001.38
<b>26 33 53 00-0040</b>	<b>208 Volt AC Output, 120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) Without Internal Battery (26 33 53 00-0033)</b>	
Note: Excludes Internal Battery See CSI section 26 33 53 00-0055 for batteries.		
26 33 53 00-0041 EA 60 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	74,549.30	1,706.89
26 33 53 00-0042 EA 80 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	81,191.98	2,113.29
26 33 53 00-0043 EA 100 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	89,841.96	2,465.52
26 33 53 00-0044 EA 120 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	110,796.91	2,790.63
26 33 53 00-0045 EA 140 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	115,112.07	3,115.75
26 33 53 00-0046 EA 160 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	119,634.08	3,440.88
26 33 53 00-0047 EA 180 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	125,101.87	3,766.00
26 33 53 00-0048 EA 200 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	130,569.67	4,091.12
<b>26 33 53 00-0049</b>	<b>480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) Without Internal Battery (26 33 53 00-0033)</b>	
Note: Excludes Internal Battery See CSI section 26 33 53 00-0055 for batteries.		
26 33 53 00-0050 EA 50 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	69,566.69	1,408.86
26 33 53 00-0051 EA 100 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	90,314.85	2,476.35
26 33 53 00-0052 EA 150 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	123,266.94	2,861.07
26 33 53 00-0053 EA 200 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	145,088.86	3,142.85
26 33 53 00-0054 EA 250 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	169,590.49	3,467.97
<b>26 33 53 00-0055</b>	<b>Optional Accessories For Three Phase, Uninterruptible Power Supply Systems (26 33 53 00-0033)</b>	
26 33 53 00-0056 EA Programmable Relay Board For Three Phase Uninterruptible Power Supply Systems.....	612.02	54.18
26 33 53 00-0057 EA Network Interface Card For Three Phase Uninterruptible Power Supply Systems.....	985.11	54.18
26 33 53 00-0058 EA Remote Status Panel With 100' Of Cable For Three Phase Uninterruptible Power Supply Systems.....	1,890.88	108.38
26 33 53 00-0059 EA Slim Line Distribution Panel With Two 42 Pole Panels For Three Phase Uninterruptible Power Supply Systems.....	5,884.40	433.49
26 33 53 00-0060 EA 12 Volt, 491 Watt, 3 Phase, 134 Ampere Hours, Battery For Uninterruptible Power Supply Systems (C&D UPS12-490MR).....	516.18	54.18
26 33 53 00-0061 EA 12 Volt, 204 Watt, 3 Phase, 55 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX200).....	282.61	54.18
26 33 53 00-0062 EA 12 Volt, 257 Watt, 3 Phase, 65 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX250).....	316.69	54.18
26 33 53 00-0063 EA 12 Volt, 311 Watt, 3 Phase, 75 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX300).....	350.78	54.18
26 33 53 00-0064 EA 12 Volt, 374 Watt, 3 Phase, 90 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX350).....	412.12	54.18
26 33 53 00-0065 EA 12 Volt, 415 Watt, 3 Phase, 100 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX400).....	432.57	54.18
26 33 53 00-0066 EA 12 Volt, 493 Watt, 3 Phase, 135 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX500).....	538.23	54.18
26 33 53 00-0067 EA 12 Volt, 540 Watt, 3 Phase, 150 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX540).....	563.79	54.18

**26 Electrical****26 30 Facility Electrical Power Generating and Storing Equipment****26 33 Battery Equipment**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 33 53 00-0068		Other Uninterruptable Power Supply Equipment <small>(26 33 53)</small>			
26 33 53 00-0069	EA	Uninterrupted Power Supply Slim-Line Distribution Panel 42 Pole GE Plug-In.....	5,050.63	99.00	
26 33 53 00-0070	EA	Uninterrupted Power Supply Slim-Line Distribution Panel 84 Pole GE Plug-In.....	6,085.29	198.01	
26 33 53 00-0071	EA	1 Pole, 15 To 60 Amperes, GE Plug-In Breakers For UPS Distribution Panel.....	26.94	5.94	
26 33 53 00-0072	EA	2 Pole, 15 To 40 Amperes, GE Plug-In Breakers For UPS Distribution Panel.....	48.32	7.42	
26 33 53 00-0073	EA	2 Pole, 50 To 80 Amperes, GE Plug-In Breakers For UPS Distribution Panel.....	90.15	7.42	
26 33 53 00-0074	EA	3 Pole, 15 To 60 Amperes, GE Plug-In Breakers For UPS Distribution Panel.....	131.91	9.90	
26 33 53 00-0075	EA	3 Pole, 70 To 100 Amperes, GE Plug-In Breakers For UPS Distribution Panel.....	187.13	9.90	
26 33 53 00-0076	EA	Uninterrupted Power Supply Remote Status Panel.....	3,460.98	99.00	
26 33 53 00-0077	EA	Uninterrupted Power Supply Remote Contact Board.....	1,152.48	74.25	

**26 35 Power Filters and Conditioners (26 30)****26 35 33 Power Factor Correction Equipment (26 35)****26 35 33 16 Low-Voltage Power Factor Correction Equipment (26 35 33)**

26 35 33 16-0001		Power Factor Correction Capacitors <small>(26 35 33 16)</small>			
26 35 33 16-0002	EA	Power Factor Correction Capacitors, 2.0 KVAC.....	705.48		
26 35 33 16-0003	EA	Power Factor Correction Capacitors, 3.0 KVAC.....	781.34		
26 35 33 16-0004	EA	Power Factor Correction Capacitors, 4.0 KVAC.....	857.20		
26 35 33 16-0005	EA	Power Factor Correction Capacitors, 5.0 KVAC.....	930.03		
26 35 33 16-0006	EA	Power Factor Correction Capacitors, 7.5 KVAC.....	1,142.43		
26 35 33 16-0007	EA	Power Factor Correction Capacitors, 10.0 KVAC.....	1,395.80		
26 35 33 16-0008	EA	Power Factor Correction Capacitors, 15.0 KVAC.....	2,155.90		
26 35 33 16-0009	EA	Power Factor Correction Capacitors, 20.0 KVAC.....	2,618.64		
26 35 33 16-0010	EA	Power Factor Correction Capacitors, 25.0 KVAC.....	3,383.29		
26 35 33 16-0011	EA	Power Factor Correction Capacitors, 30.0 KVAC.....	3,847.54		
26 35 33 16-0012	EA	Power Factor Correction Capacitors, 50.0 KVAC.....	6,751.41		
26 35 33 16-0013	EA	Power Factor Correction Capacitors, 75.0 KVAC.....	10,151.38		
26 35 33 16-0014	EA	Power Factor Correction Capacitors, 100.0 KVAC.....	13,536.19		
26 35 33 16-0015	EA	Power Factor Correction Capacitors, Fuse Kit.....	628.11		

**26 35 43 Static-Frequency Converters (26 35)****26 35 43 00-0001 Rotary Phase Converter With NEMA 1 Indoor Enclosure (26 35 43)**

26 35 43 00-0002	EA	750W Output Rotary Phase Converter With NEMA 1 Enclosure.....	596.90	108.38	
26 35 43 00-0003	EA	2KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	1,033.69	130.05	
26 35 43 00-0004	EA	3KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	1,185.97	173.40	
26 35 43 00-0005	EA	5KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	1,626.52	216.75	
26 35 43 00-0006	EA	7KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	2,237.80	281.78	
26 35 43 00-0007	EA	11KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	2,889.17	346.80	
26 35 43 00-0008	EA	15KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	3,620.76	411.82	
26 35 43 00-0009	EA	21KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	4,410.86	466.01	
26 35 43 00-0010	EA	29KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	5,127.26	563.54	
26 35 43 00-0011	EA	36KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	5,869.67	633.99	
26 35 43 00-0012	EA	44KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	6,612.09	704.43	
26 35 43 00-0013	EA	55KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	8,208.02	850.73	
26 35 43 00-0014	EA	74KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	10,660.17	1,024.13	
26 35 43 00-0015	EA	87KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	13,510.61	1,246.30	
26 35 43 00-0016	EA	110KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	15,457.16	1,457.63	
26 35 43 00-0017	EA	125KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	19,883.54	1,625.61	
26 35 43 00-0018	EA	165KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	30,342.54	1,842.36	
26 35 43 00-0019	EA	220KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	45,212.77	2,059.11	

**26 35 53 Voltage Regulators (26 35)****26 35 53 00-0001 Voltage Regulators, 480/277 Or 208/120 Volt, 3 Phase (26 35 53)**

Note: For diesel motor generator sets mounted in switchgear cabinet.

26 35 53 00-0002	EA	50 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear.....	6,172.92	1,723.15	
26 35 53 00-0003	EA	75 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear.....	7,069.62	2,167.48	
26 35 53 00-0004	EA	100 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear.....	7,895.32	2,579.31	

**26 36 Transfer Switches (26 30)****26 36 13 Manual Transfer Switches (26 36)****26 36 13 00-0001 Fused Manual Transfer Switches (26 36 13)**

26 36 13 00-0002	EA	30 Amperes, Manual Transfer Switch, Fused, 3 Pole, 480 Volt.....	1,273.65	189.66	
26 36 13 00-0003	EA	60 Amperes, Manual Transfer Switch, Fused, 3 Pole, 480 Volt.....	1,481.86	235.60	

**26 36 13 00-0004 Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure**

26 36 13 00-0005	EA	40 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT40).....	2,662.89	278.82	
		For NEMA 3R Enclosure, Add	828.47		
		For NEMA 12 Enclosure, Add	779.73		
26 36 13 00-0006	EA	70 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT70).....	2,956.71	334.59	
		For NEMA 3R Enclosure, Add	828.47		
		For NEMA 12 Enclosure, Add	779.73		

MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

26 36 13 00-0007	EA 125 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT125).....	3,358.64	390.34
	For NEMA 3R Enclosure, Add	828.47	
	For NEMA 12 Enclosure, Add	779.73	
26 36 13 00-0008	EA 150 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT150).....	4,160.64	446.10
	For NEMA 3R Enclosure, Add	974.67	
	For NEMA 12 Enclosure, Add	779.73	
26 36 13 00-0009	EA 225 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT225).....	5,137.41	501.87
	For NEMA 3R Enclosure, Add	974.67	
	For NEMA 12 Enclosure, Add	779.73	
26 36 13 00-0010	EA 260 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT260).....	5,774.34	557.63
	For NEMA 3R Enclosure, Add	974.67	
	For NEMA 12 Enclosure, Add	779.73	
26 36 13 00-0011	EA 300 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT300).....	6,421.12	613.40
	For NEMA 3R Enclosure, Add	1,150.11	
	For NEMA 12 Enclosure, Add	974.67	
26 36 13 00-0012	EA 400 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT400).....	7,526.30	669.16
	For NEMA 3R Enclosure, Add	1,150.11	
	For NEMA 12 Enclosure, Add	974.67	
26 36 13 00-0013	EA 600 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT600).....	9,942.01	836.45
	For NEMA 3R Enclosure, Add	1,150.11	
	For NEMA 12 Enclosure, Add	974.67	
26 36 13 00-0014	EA 800 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT800).....	11,200.53	1,003.75
	For NEMA 3R Enclosure, Add	1,413.26	
	For NEMA 12 Enclosure, Add	1,364.53	
26 36 13 00-0015	EA 1,000 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT1000).....	14,974.48	1,425.71
	For NEMA 3R Enclosure, Add	1,413.26	
	For NEMA 12 Enclosure, Add	1,364.53	

**26 36 23 Automatic Transfer Switches (26 36)**

26 36 23 00-0001 Automatic Transfer Switch (26 36 23)

26 36 23 00-0002 Automatic Transfer Switch, 2 Pole Circuit Breaker, NEMA 1 Enclosure (26 36 23)

00-0001 Note: Programmable, 120/240 volt single phase, 3 wire.			
26 36 23 00-0003	EA 100 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire.....	2,439.55	390.34
26 36 23 00-0004	EA 225 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire.....	3,311.74	501.87
26 36 23 00-0005	EA 400 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire.....	5,233.06	669.16
26 36 23 00-0006	EA 600 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire.....	11,770.40	836.45

26 36 23 00-0007 Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (26 36 23)

00-0001			
26 36 23 00-0008	EA 40 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC40) .....	3,937.12	278.82
	For NEMA 3R Enclosure, Add	828.47	
	For NEMA 4 Enclosure, Add	877.20	
	For NEMA 12 Enclosure, Add	877.20	
26 36 23 00-0009	EA 70 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC70) .....	4,548.14	334.59
	For NEMA 3R Enclosure, Add	828.47	
	For NEMA 4 Enclosure, Add	877.20	
	For NEMA 12 Enclosure, Add	877.20	
26 36 23 00-0010	EA 125 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC125) .....	5,004.59	390.34
	For NEMA 3R Enclosure, Add	828.47	
	For NEMA 4 Enclosure, Add	877.20	
	For NEMA 12 Enclosure, Add	877.20	
26 36 23 00-0011	EA 150 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC150) .....	5,949.83	446.10
	For NEMA 3R Enclosure, Add	974.67	
	For NEMA 4 Enclosure, Add	1,267.06	
	For NEMA 12 Enclosure, Add	877.20	
26 36 23 00-0012	EA 225 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC225) .....	6,792.30	501.87
	For NEMA 3R Enclosure, Add	974.67	
	For NEMA 4 Enclosure, Add	1,267.06	
	For NEMA 12 Enclosure, Add	877.20	
26 36 23 00-0013	EA 260 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC260) .....	7,496.26	557.63
	For NEMA 3R Enclosure, Add	974.67	
	For NEMA 4 Enclosure, Add	1,267.06	
	For NEMA 12 Enclosure, Add	877.20	
26 36 23 00-0014	EA 300 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC300) .....	7,839.21	613.40
	For NEMA 3R Enclosure, Add	1,150.11	
	For NEMA 4 Enclosure, Add	1,364.53	
	For NEMA 12 Enclosure, Add	974.67	
26 36 23 00-0015	EA 400 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC400) .....	8,860.39	669.16
	For NEMA 3R Enclosure, Add	1,150.11	
	For NEMA 4 Enclosure, Add	1,364.53	
	For NEMA 12 Enclosure, Add	974.67	
26 36 23 00-0016	EA 600 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC600) .....	12,125.90	836.45
	For NEMA 3R Enclosure, Add	1,150.11	
	For NEMA 4 Enclosure, Add	1,364.53	
	For NEMA 12 Enclosure, Add	974.67	
26 36 23 00-0017	EA 800 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC800) .....	13,612.28	1,003.75
	For NEMA 3R Enclosure, Add	1,413.26	
	For NEMA 4 Enclosure, Add	1,559.47	
	For NEMA 12 Enclosure, Add	1,364.53	
26 36 23 00-0018	EA 1,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1000).....	17,793.69	1,425.71
	For NEMA 3R Enclosure, Add	1,413.26	
	For NEMA 4 Enclosure, Add	1,559.47	
	For NEMA 12 Enclosure, Add	1,364.53	

**26 Electrical**  
**26 30 Facility Electrical Power Generating and Storing Equipment**  
**26 36 Transfer Switches**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0019	EA		1,200 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1200).....	23,028.04	1,544.51
			<i>For NEMA 3R Enclosure, Add</i>	3,118.93	
			<i>For NEMA 4 Enclosure, Add</i>	1,754.40	
			<i>For NEMA 12 Enclosure, Add</i>	1,462.00	
26 36 23 00-0020	EA		1,600 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1600).....	24,580.04	1,782.13
			<i>For NEMA 3R Enclosure, Add</i>	5,068.25	
			<i>For NEMA 4 Enclosure, Add</i>	6,237.85	
			<i>For NEMA 12 Enclosure, Add</i>	5,068.25	
26 36 23 00-0021	EA		2,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC2000).....	28,100.39	2,019.75
			<i>For NEMA 3R Enclosure, Add</i>	5,068.25	
			<i>For NEMA 4 Enclosure, Add</i>	6,237.85	
			<i>For NEMA 12 Enclosure, Add</i>	5,068.25	
26 36 23 00-0022	EA		3,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC3000).....	33,950.05	2,494.98
			<i>For NEMA 3R Enclosure, Add</i>	5,068.25	
26 36 23 00-0023	EA		4,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC4000).....	58,636.40	2,970.22
			<i>For NEMA 3R Enclosure, Add</i>	23,820.75	
<b>26 36 23 00-0024 Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (26 36 23 00-0001)</b>					
26 36 23 00-0025	EA		150 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC150).....	19,728.80	2,119.01
			<i>For NEMA 3R Enclosure, Add</i>	1,705.67	
			<i>For NEMA 4 Enclosure, Add</i>	1,754.40	
			<i>For NEMA 12 Enclosure, Add</i>	925.94	
26 36 23 00-0026	EA		225 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC225).....	20,597.19	2,230.54
			<i>For NEMA 3R Enclosure, Add</i>	1,705.67	
			<i>For NEMA 4 Enclosure, Add</i>	1,754.40	
			<i>For NEMA 12 Enclosure, Add</i>	925.94	
26 36 23 00-0027	EA		260 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC260).....	21,592.35	2,342.07
			<i>For NEMA 3R Enclosure, Add</i>	1,705.67	
			<i>For NEMA 4 Enclosure, Add</i>	1,754.40	
			<i>For NEMA 12 Enclosure, Add</i>	925.94	
26 36 23 00-0028	EA		300 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC300).....	24,070.72	2,397.83
			<i>For NEMA 3R Enclosure, Add</i>	1,705.67	
			<i>For NEMA 4 Enclosure, Add</i>	1,754.40	
			<i>For NEMA 12 Enclosure, Add</i>	925.94	
26 36 23 00-0029	EA		400 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC400).....	27,739.65	2,453.60
			<i>For NEMA 3R Enclosure, Add</i>	1,705.67	
			<i>For NEMA 4 Enclosure, Add</i>	1,754.40	
			<i>For NEMA 12 Enclosure, Add</i>	925.94	
26 36 23 00-0030	EA		600 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC600).....	33,256.88	2,565.12
			<i>For NEMA 3R Enclosure, Add</i>	1,705.67	
			<i>For NEMA 4 Enclosure, Add</i>	1,754.40	
			<i>For NEMA 12 Enclosure, Add</i>	974.67	
26 36 23 00-0031	EA		800 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC800).....	36,642.73	2,676.64
			<i>For NEMA 3R Enclosure, Add</i>	1,754.40	
			<i>For NEMA 4 Enclosure, Add</i>	1,754.40	
			<i>For NEMA 12 Enclosure, Add</i>	1,072.14	
26 36 23 00-0032	EA		1,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1000).....	46,010.01	3,122.76
			<i>For NEMA 3R Enclosure, Add</i>	1,754.40	
			<i>For NEMA 4 Enclosure, Add</i>	1,754.40	
			<i>For NEMA 12 Enclosure, Add</i>	1,072.14	
26 36 23 00-0033	EA		1,200 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1200).....	60,362.54	3,564.26
			<i>For NEMA 3R Enclosure, Add</i>	7,797.30	
			<i>For NEMA 4 Enclosure, Add</i>	9,746.63	
			<i>For NEMA 12 Enclosure, Add</i>	7,797.30	
26 36 23 00-0034	EA		1,600 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1600).....	78,613.48	3,801.87
			<i>For NEMA 3R Enclosure, Add</i>	16,569.26	
			<i>For NEMA 4 Enclosure, Add</i>	16,569.26	
			<i>For NEMA 12 Enclosure, Add</i>	15,438.66	
26 36 23 00-0035	EA		2,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC2000).....	89,236.88	4,158.31
			<i>For NEMA 3R Enclosure, Add</i>	16,569.26	
			<i>For NEMA 4 Enclosure, Add</i>	16,569.26	
			<i>For NEMA 12 Enclosure, Add</i>	15,438.66	
26 36 23 00-0036	EA		3,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC3000).....	142,411.47	4,752.34
			<i>For NEMA 3R Enclosure, Add</i>	20,467.91	
26 36 23 00-0037	EA		4,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC4000).....	153,753.27	5,346.39
			<i>For NEMA 3R Enclosure, Add</i>	20,467.91	
<b>26 36 23 00-0038 Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (26 36 23 00-0001)</b>					
26 36 23 00-0039	EA		40 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE40).....	6,396.22	278.82
			<i>For NEMA 3R Enclosure, Add</i>	487.33	
			<i>For NEMA 12 Enclosure, Add</i>	877.20	
26 36 23 00-0040	EA		70 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE70).....	6,922.37	334.59
			<i>For NEMA 3R Enclosure, Add</i>	487.33	
			<i>For NEMA 12 Enclosure, Add</i>	877.20	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 36 23 00-0041	EA 125 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE125).....	7,447.62	390.34
	For NEMA 3R Enclosure, Add	487.33	
	For NEMA 12 Enclosure, Add	877.20	
26 36 23 00-0042	EA 150 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE150).....	8,940.61	446.10
	For Four Pole Circuit Breaker, Add	2,436.66	
	For NEMA 3R Enclosure, Add	487.33	
	For NEMA 12 Enclosure, Add	877.20	
26 36 23 00-0043	EA 225 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE225).....	11,629.19	501.87
	For Four Pole Circuit Breaker, Add	2,436.66	
	For NEMA 3R Enclosure, Add	487.33	
	For NEMA 12 Enclosure, Add	877.20	
26 36 23 00-0044	EA 250 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE250).....	12,384.97	557.63
	For Four Pole Circuit Breaker, Add	2,436.66	
	For NEMA 3R Enclosure, Add	487.33	
	For NEMA 12 Enclosure, Add	877.20	
26 36 23 00-0045	EA 300 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE300).....	12,885.20	613.40
	For Four Pole Circuit Breaker, Add	3,313.86	
	For NEMA 3R Enclosure, Add	1,267.06	
	For NEMA 12 Enclosure, Add	974.67	
26 36 23 00-0046	EA 400 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE400).....	14,577.46	669.16
	For Four Pole Circuit Breaker, Add	3,313.86	
	For NEMA 3R Enclosure, Add	1,267.06	
	For NEMA 12 Enclosure, Add	974.67	
26 36 23 00-0047	EA 600 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE600).....	17,691.94	836.45
	For Four Pole Circuit Breaker, Add	3,313.86	
	For NEMA 3R Enclosure, Add	1,267.06	
	For NEMA 12 Enclosure, Add	974.67	
26 36 23 00-0048	EA 800 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE800).....	18,451.85	1,003.75
	For Four Pole Circuit Breaker, Add	4,727.12	
	For NEMA 3R Enclosure, Add	2,183.25	
	For NEMA 12 Enclosure, Add	1,364.53	
26 36 23 00-0049	EA 1,000 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE1000).....	21,975.60	1,425.71
	For Four Pole Circuit Breaker, Add	4,727.12	
	For NEMA 3R Enclosure, Add	2,183.25	
	For NEMA 12 Enclosure, Add	1,364.53	

**26 36 23 00-0050 Accessories (26 36 23)**

26 36 23 00-0051	EA Auxiliary Contacts For Automatic Transfer Switch.....	226.13	
26 36 23 00-0052	EA Battery Charger For Automatic Transfer Switch.....	1,851.87	
26 36 23 00-0053	EA Elevator Relay Signal For Automatic Transfer Switch.....	672.52	

**26 40 Electrical And Cathodic Protection (26)**

**26 41 Facility Lightning Protection (26 40)**

**26 41 13 Lightning Protection for Structures (26 41)**

**26 41 13 13 Lightning Protection for Buildings (26 41 13)**

26 41 13 13-0001	Lightning Protection (26 41 13 13) See CSI section 26 05 26 00-0001 for conductors.		
26 41 13 13-0002	Air Terminals For Lightning Protection (26 41 13 13-0001)		
26 41 13 13-0003	Copper Lightning Protection Air Terminals (26 41 13 13-0002)		
26 41 13 13-0004	EA 3/8" x 10" Copper Lightning Protection Air Terminal.....	57.60	10.84
26 41 13 13-0005	EA 1/2" x 12" Copper Lightning Protection Air Terminal.....	71.78	10.84
26 41 13 13-0006	EA 5/8" x 12" Copper Lightning Protection Air Terminal.....	92.89	10.84
26 41 13 13-0007	EA 1/2" x 24" Copper Lightning Protection Air Terminal.....	103.35	10.84
26 41 13 13-0008	EA 1/2" x 60" Copper Lightning Protection Air Terminal.....	199.43	21.67
26 41 13 13-0009	Aluminum Lightning Protection Air Terminals (26 41 13 13-0002)		
26 41 13 13-0010	EA 3/8" x 10" Aluminum Lightning Protection Air Terminal.....	55.75	10.84
26 41 13 13-0011	EA 1/2" x 12" Aluminum Lightning Protection Air Terminal.....	71.32	10.84
26 41 13 13-0012	EA 5/8" x 12" Aluminum Lightning Protection Air Terminal.....	89.79	10.84
26 41 13 13-0013	EA 1/2" x 24" Aluminum Lightning Protection Air Terminal.....	99.93	10.84
26 41 13 13-0014	EA 1/2" x 60" Aluminum Lightning Protection Air Terminal.....	192.37	21.67
26 41 13 13-0015	Terminal Bases For Lightning Protection (26 41 13 13-0001)		
26 41 13 13-0016	Copper Lightning Protection Terminal Bases (26 41 13 13-0015)		
26 41 13 13-0017	EA Adhesive Base For Copper Lightning Protection Terminal.....	82.08	32.51
26 41 13 13-0018	EA Bolted Base For Copper Lightning Protection Terminal.....	110.34	43.35
26 41 13 13-0019	EA Hinged Base For Copper Lightning Protection Terminal.....	147.82	54.18
26 41 13 13-0020	EA Side Mounted Base For Copper Lightning Protection Terminal.....	110.34	43.35
26 41 13 13-0021	EA Offset Point Support For Copper Lightning Protection Terminal.....	117.00	43.35

**26 Electrical**  
**26 40 Electrical And Cathodic Protection**  
**26 41 Facility Lightning Protection**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 41 13 13-0022	EA	Concealed Base Assembly For Copper Lightning Protection Terminal.....	208.74		86.69
26 41 13 13-0023	EA	36" Tripod Base For 60" Copper Lightning Protection Terminal.....	146.07		54.18
26 41 13 13-0024	EA	Intermediate Base For Copper Lightning Protection Terminal .....	82.08		32.51
<b>26 41 13 13-0025</b>		<b>Aluminum Lightning Protection Terminal Bases (26 41 13 13-0015)</b>			
26 41 13 13-0026	EA	Adhesive Base For Aluminum Lightning Protection Terminal .....	78.74		32.51
26 41 13 13-0027	EA	Bolted Base For Aluminum Lightning Protection Terminal.....	109.97		43.35
26 41 13 13-0028	EA	Hinged Base For Aluminum Lightning Protection Terminal.....	146.40		54.18
26 41 13 13-0029	EA	Side Mounted Base For Aluminum Lightning Protection Terminal .....	110.28		43.35
26 41 13 13-0030	EA	Offset Point Support For Aluminum Lightning Protection Terminal.....	114.59		43.35
26 41 13 13-0031	EA	Concealed Base Assembly For Aluminum Lightning Protection Terminal .....	208.98		86.69
26 41 13 13-0032	EA	36" Tripod Base For 60" Aluminum Lightning Protection Terminal .....	143.49		54.18
26 41 13 13-0033	EA	Intermediate Base For Aluminum Lightning Protection Terminal .....	78.74		32.51
<b>26 41 13 13-0034</b>		<b>Connectors (26 41 13 13-0001)</b>			
<b>26 41 13 13-0035</b>		<b>Copper Cable Connectors (26 41 13 13-0034)</b>			
26 41 13 13-0036	EA	Thru Wall Cable Connector For Copper Lightning Protection System .....	165.44		54.18
26 41 13 13-0037	EA	Thru Roof Adapter Assembly For Copper Lightning Protection System .....	226.73		86.69
26 41 13 13-0038	EA	Beam Connector For Copper Lightning Protection System .....	149.03		54.18
26 41 13 13-0039	EA	Double Bolt Cable Connector For Copper Lightning Protection System .....	35.25		10.84
26 41 13 13-0040	EA	Cable To Bar Connector For Copper Lightning Protection System.....	35.96		10.84
26 41 13 13-0041	EA	Tee Connector For Copper Lightning Protection Terminal.....	109.64		32.51
<b>26 41 13 13-0042</b>		<b>Aluminum Cable Connectors (26 41 13 13-0034)</b>			
26 41 13 13-0043	EA	Thru Wall Cable Connector For Aluminum Lightning Protection System .....	159.65		54.18
26 41 13 13-0044	EA	Thru Roof Adapter Assembly For Aluminum Lightning Protection System .....	226.68		86.69
26 41 13 13-0045	EA	Beam Connector For Aluminum Lightning Protection System .....	150.41		54.18
26 41 13 13-0046	EA	Double Bolt Cable Connector For Aluminum Lightning Protection System.....	34.96		10.84
26 41 13 13-0047	EA	Tee Connector For Aluminum Lightning Protection Terminal .....	103.57		32.51
<b>26 41 13 13-0048</b>		<b>Bonding Plates (26 41 13 13-0001)</b>			
<b>26 41 13 13-0049</b>		<b>Copper Bonding Plates (26 41 13 13-0048)</b>			
26 41 13 13-0050	EA	8" Square I Beam Bonding Plate For Copper Lightning Protection System.....	133.17		54.18
26 41 13 13-0051	EA	8" Square Purlin Bonding Plate For Copper Lightning Protection System .....	137.23		54.18
26 41 13 13-0052	EA	16" Square Bonding Plate For Copper Lightning Protection System .....	202.23		86.69
<b>26 41 13 13-0053</b>		<b>Aluminum Bonding Plates (26 41 13 13-0048)</b>			
26 41 13 13-0054	EA	8" Square I Beam Bonding Plate For Aluminum Lightning Protection System.....	130.39		54.18
26 41 13 13-0055	EA	8" Square Purlin Bonding Plate For Aluminum Lightning Protection System .....	135.32		54.18
26 41 13 13-0056	EA	16" Square Bonding Plate For Aluminum Lightning Protection System .....	196.35		86.69
<b>26 41 13 13-0057</b>		<b>Cable Supports (26 41 13 13-0001)</b>			
<b>26 41 13 13-0058</b>		<b>Copper Cable Supports (26 41 13 13-0057)</b>			
26 41 13 13-0059	EA	Loop Fastener, Copper Cable Supports For Lightning Protection System.....	24.73		10.84
26 41 13 13-0060	EA	Adhesive Cable Holder, Copper Cable Support For Lightning Protection System .....	25.20		10.84
<b>26 41 13 13-0061</b>		<b>Aluminum Cable Supports (26 41 13 13-0057)</b>			
26 41 13 13-0062	EA	Loop Fastener, Aluminum Cable Supports For Lightning Protection System .....	24.37		10.84
26 41 13 13-0063	EA	Adhesive Cable Holder, Aluminum Cable Support For Lightning Protection System.....	24.21		10.84
<b>26 41 13 13-0064</b>		<b>Bonding Straps (26 41 13 13-0001)</b>			
<b>26 41 13 13-0065</b>		<b>Copper Bonding Straps (26 41 13 13-0064)</b>			
26 41 13 13-0066	EA	3/4" x 9-1/2" Flex Braided Strap For Copper Lightning Protection System .....	69.85		32.51
<b>26 41 13 13-0067</b>		<b>Aluminum Bonding Straps (26 41 13 13-0064)</b>			
26 41 13 13-0068	EA	3/4" x 9-1/2" Flex Braided Strap For Aluminum Lightning Protection System .....	68.27		32.51
<b>26 41 13 13-0069</b>		<b>Accessories For Lightning Protection (26 41 13 13-0001)</b>			
		See CSI section 26 05 26 00-0001 for conductors straps and conduit jumpers.			
<b>26 41 13 13-0070</b>		<b>Copper Adapters (26 41 13 13-0069)</b>			
26 41 13 13-0071	EA	Swivel Adapters For Copper Lightning Protection System.....	26.03		5.42
<b>26 41 13 13-0072</b>		<b>Aluminum Adapters (26 41 13 13-0069)</b>			
26 41 13 13-0073	EA	Swivel Adapters For Aluminum Lightning Protection System .....	28.28		5.42
26 41 13 13-0074	EA	Floor Ground Receptacle For Aluminum Lightning Protection System .....	167.14		54.18

**26 41 23 Surge Protective Devices for Lightning Protection (26 41)**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>26 41 23 00-001</b>	<b>Surge And Lightning Arrestors</b> (26 41 23)		
<b>26 41 23 00-002</b>	<b>Metal Top Intermediate Type IMX</b> (26 41 23 00-0001)		
	Note: For outdoor construction, single phase.		
26 41 23 00-0003	EA 3 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase.....	1,039.53	247.38
26 41 23 00-0004	EA 4.5 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase.....	1,124.28	247.38
26 41 23 00-0005	EA 6 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase.....	1,124.28	247.38
26 41 23 00-0006	EA 7.5 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase.....	1,281.66	247.38
26 41 23 00-0007	EA 9 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase.....	1,281.66	247.38
26 41 23 00-0008	EA 10 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase.....	1,412.41	247.38
26 41 23 00-0009	EA 12 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase.....	1,412.41	247.38
26 41 23 00-0010	EA 15 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase.....	1,923.51	309.21
26 41 23 00-0011	EA 18 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase.....	1,991.30	309.21
26 41 23 00-0012	EA 21 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase.....	2,192.05	371.06
26 41 23 00-0013	EA 24 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase.....	2,366.39	371.06
26 41 23 00-0014	EA 27 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase.....	2,804.64	371.06

<b>26 41 23 00-0015</b>	<b>Porcelain Top Intermediate Type IMX</b> (26 41 23 00-0001)		
	Note: For cubicle mounting, single phase.		
26 41 23 00-0016	EA 3 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	1,039.53	247.38
26 41 23 00-0017	EA 4.5 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	1,124.28	247.38
26 41 23 00-0018	EA 6 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	1,124.28	247.38
26 41 23 00-0019	EA 7.5 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	1,281.66	247.38
26 41 23 00-0020	EA 9 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	1,281.66	247.38
26 41 23 00-0021	EA 10 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	1,412.41	247.38
26 41 23 00-0022	EA 12 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	1,412.41	247.38
26 41 23 00-0023	EA 15 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	1,923.51	309.21
26 41 23 00-0024	EA 18 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	1,991.30	309.21
26 41 23 00-0025	EA 21 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	2,192.05	371.06
26 41 23 00-0026	EA 24 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	2,366.39	371.06
26 41 23 00-0027	EA 27 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	2,804.64	371.06

<b>26 41 23 00-0028</b>	<b>IMX Accessories</b> (26 41 23 00-0001)		
26 41 23 00-0029	EA 1 Crossarm Bracket Reversible 3-27 KV IMX.....	865.20	247.38
26 41 23 00-0030	EA Single Unit Horizontal Pole Mounted Bracket (IMX).....	855.51	247.38
26 41 23 00-0031	EA 3 Unit Horizontal Pole Mounted Bracket (IMX).....	782.97	247.38

<b>26 41 23 00-0032</b>	<b>Lightning Arrestor And Cutouts</b> (26 41 23 00-0001)		
26 41 23 00-0033	EA 3 KV La Distribution Class, Lightning Arrestor.....	594.01	247.38
26 41 23 00-0034	EA 3 KV La Interior Class, Lightning Arrestor.....	1,104.03	247.38
26 41 23 00-0035	EA 3 KV La Station Class, Lightning Arrestor.....	1,039.53	247.38
26 41 23 00-0036	EA 9 KV La Distribution Class, Lightning Arrestor.....	647.28	247.38
26 41 23 00-0037	EA 9 KV La Interior Class, Lightning Arrestor.....	1,245.24	247.38
26 41 23 00-0038	EA 9 KV La Station Class, Lightning Arrestor.....	1,281.66	247.38
26 41 23 00-0039	EA 5 KV Enclosed Fused Cutout.....	730.09	247.38
26 41 23 00-0040	EA 15 KV Open Fused Cutout.....	795.18	309.21
26 41 23 00-0041	EA 18 KV La Distribution Class, Lightning Arrestor.....	619.26	247.38
26 41 23 00-0042	EA 18 KV La Interior Class, Lightning Arrestor.....	1,320.72	247.38

**26 43 Surge Protective Devices** (26 40)

**26 43 13 Surge Protective Devices for Low-Voltage Electrical Power Circuits** (26 43)

<b>26 43 13 00-0001</b>	<b>25 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression</b> (26 43 13)		
	Note: Liebert LPL		
26 43 13 00-0002	EA 120/240 Volt AC Single Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	301.09	27.10
26 43 13 00-0003	EA 208 Volt AC Three Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	326.14	27.10
26 43 13 00-0004	EA 240/120 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	336.98	32.51
26 43 13 00-0005	EA 277 Volt AC Single Phase, 2 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	283.10	21.67
26 43 13 00-0006	EA 480/277 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	336.98	32.51

<b>26 43 13 00-0007</b>	<b>50 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression</b> (26 43 13)		
	Note: Liebert LPL		
26 43 13 00-0008	EA 120/240 Volt AC Single Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor.....	424.54	27.10
26 43 13 00-0009	EA 208/120 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor.....	449.70	32.51
26 43 13 00-0010	EA 208 Volt AC Three Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor.....	438.86	27.10
26 43 13 00-0011	EA 480/277 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor.....	449.70	32.51

<b>26 43 13 00-0012</b>	<b>100 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression</b> (26 43 13)		
	Note: Liebert LPL		
26 43 13 00-0013	EA 120/240 Volt AC Single Phase, 3 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor.....	517.58	27.10
26 43 13 00-0014	EA 208/120 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor.....	542.74	32.51
26 43 13 00-0015	EA 277 Volt AC Single Phase, 2 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor.....	485.28	21.67
26 43 13 00-0016	EA 480/277 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor.....	542.74	32.51

<b>26 43 13 00-0017</b>	<b>100 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression</b> (26 43 13)		
	Note: Liebert LPM		
26 43 13 00-0018	EA 120/240 Volt AC Single Phase, 3 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor.....	614.20	27.10

**26 Electrical**  
**26 40 Electrical And Cathodic Protection**  
**26 43 Surge Protective Devices**



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 43 13 00-0019	EA	208/120 Volt AC Three Phase, 4 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor .....	691.24		32.51
26 43 13 00-0020	EA	277 Volt AC Three Phase, 2 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor .....	583.69		21.67
<b>26 43 13 00-0021</b>		<b>160 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression</b> <small>(26 43 13)</small>			
		Note: Liebert LPM			
26 43 13 00-0022	EA	208/120 Volt AC Single Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor.....	1,093.81		32.51
26 43 13 00-0023	EA	208 Volt AC Three Phase, 3 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor .....	1,082.97		27.10
26 43 13 00-0024	EA	480/277 Volt AC Three Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor .....	1,093.81		32.51
<b>26 43 13 00-0025</b>		<b>250 kA, 500 Joule Transient Voltage Surge Suppression</b> <small>(26 43 13)</small>			
		Note: Liebert Interceptor Hybrid.			
26 43 13 00-0026	EA	LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor.....	6,421.25		54.18
26 43 13 00-0027	EA	Audible Alarm/LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor.....	7,852.61		54.18
<b>26 43 13 00-0028</b>		<b>Class 1310 Transient Voltage Surge Suppression</b> <small>(26 43 13)</small>			
		Note: Supplied with audible alarm, alarm enable/disable switch and dry contacts. Square D.			
<b>26 43 13 00-0029</b>		<b>NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor</b> <small>(26 43 13 00-0028)</small>			
		Note: Square D. EMA series.			
26 43 13 00-0030	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	5,119.16		140.89
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0031	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	5,641.29		162.56
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0032	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	8,274.60		189.66
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0033	EA	320 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	11,032.30		216.75
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0034	EA	480 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	16,340.32		298.03
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0035	EA	120 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	5,345.80		140.89
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0036	EA	160 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	5,890.26		162.56
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0037	EA	240 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	8,659.24		189.66
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0038	EA	320 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	11,531.84		216.75
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0039	EA	480 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	17,111.18		298.03
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0040	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	5,345.80		140.89
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0041	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	5,890.26		162.56
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0042	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	8,659.18		189.66
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0043	EA	320 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	11,531.84		216.75
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0044	EA	480 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	17,111.18		298.03
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0045	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	5,572.45		140.89
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0046	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	6,142.43		162.56
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0047	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	9,047.05		189.66
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0048	EA	320 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	12,034.64		216.75
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0049	EA	480 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	17,885.17		298.03
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0050	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	5,835.78		140.89
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0051	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	6,404.21		162.56
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 43 13 00-0052		EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	9,452.43 438.87 335.40	189.66
	26 43 13 00-0053		EA	320 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	12,561.31 438.87 335.40	216.75
	26 43 13 00-0054		EA	480 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	17,600.24 438.87 335.40	298.03
<b>26 43 13 00-0055</b>	<b>NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor</b> <small>(26)</small>					
				<small>43 13 00-0028)</small> Note: Square D EBA series.		
	26 43 13 00-0056		EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,970.09 438.87 335.40	140.89
	26 43 13 00-0057		EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,801.86 438.87 335.40	162.56
	26 43 13 00-0058		EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	7,071.25 438.87 335.40	189.66
	26 43 13 00-0059		EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,099.36 438.87 335.40	140.89
	26 43 13 00-0060		EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,993.37 438.87 335.40	162.56
	26 43 13 00-0061		EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	7,321.81 438.87 335.40	189.66
	26 43 13 00-0062		EA	120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,099.36 438.87 335.40	140.89
	26 43 13 00-0063		EA	160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,993.37 438.87 335.40	162.56
	26 43 13 00-0064		EA	240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	7,321.81 438.87 335.40	189.66
	26 43 13 00-0065		EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,263.76 438.87 335.40	140.89
	26 43 13 00-0066		EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,199.25 438.87 335.40	162.56
	26 43 13 00-0067		EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	7,642.60 438.87 335.40	189.66
	26 43 13 00-0068		EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,436.13 438.87 335.40	140.89
	26 43 13 00-0069		EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,417.90 438.87 335.40	162.56
	26 43 13 00-0070		EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	7,979.34 438.87 335.40	189.66
<b>26 43 13 00-0071</b>	<b>NEMA 4X Modular Device Transient Voltage Surge Suppressor</b> <small>(26 43 13 00-0028)</small>					
				Note: Square D EMA series. Stainless steel.		
	26 43 13 00-0072		EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,627.35 438.87 335.40	140.89
	26 43 13 00-0073		EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	7,149.48 438.87 335.40	162.56
	26 43 13 00-0074		EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	9,782.79 438.87 335.40	189.66
	26 43 13 00-0075		EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,853.99 438.87 335.40	140.89
	26 43 13 00-0076		EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	7,398.45 438.87 335.40	162.56
	26 43 13 00-0077		EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	10,167.43 438.87 335.40	189.66
	26 43 13 00-0078		EA	120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,853.99 438.87 335.40	140.89
	26 43 13 00-0079		EA	160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	7,398.45 438.87 335.40	162.56
	26 43 13 00-0080		EA	240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	10,167.37 438.87 335.40	189.66

**26 Electrical**  
**26 40 Electrical And Cathodic Protection**  
**26 43 Surge Protective Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 43 13 00-0081	EA		120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor.....	7,080.64	140.89
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0082	EA		160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor.....	7,650.62	162.56
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0083	EA		240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor.....	10,555.24	189.66
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0084	EA		120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor.....	7,343.97	140.89
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0085	EA		160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor.....	7,912.40	162.56
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0086	EA		240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor.....	10,960.62	189.66
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	

**26 43 13 00-0087 NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor (26 43 13 00-**

<sup>0028)</sup>  
 Note: Square D EBA series. Stainless steel.

26 43 13 00-0088	EA		120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor.....	5,478.28	140.89
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0089	EA		160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor.....	6,310.04	162.56
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0090	EA		240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor.....	8,579.44	189.66
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0091	EA		120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor.....	5,607.55	140.89
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0092	EA		160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor.....	6,501.56	162.56
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0093	EA		240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor.....	8,830.00	189.66
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0094	EA		120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor.....	5,607.55	140.89
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0095	EA		160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor.....	6,501.56	162.56
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0096	EA		240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor.....	8,830.00	189.66
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0097	EA		120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor.....	5,771.94	140.89
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0098	EA		160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor.....	6,707.44	162.56
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0099	EA		240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor.....	9,150.79	189.66
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0100	EA		120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor.....	5,944.32	140.89
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0101	EA		160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor.....	6,926.08	162.56
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0102	EA		240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor.....	9,487.53	189.66
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	

**26 50 Lighting (26)**

Note: Includes testing of fixture, a set of lamps (light bulbs), wire nuts, ground wire connector, fixture whip, ballast(s), mounting brackets where necessary and cable connectors. Lay-in fixtures include support wire, clips and seismic supports.

**26 51 Interior Lighting (26 50)**

**26 51 13 Incandescent Interior Lighting (26 51)**

**26 51 13 00-0001 Recessed Fixtures (26 51 13)**

Note: Housing and trim priced separately.

**26 51 13 00-0002 Incandescent, Recessed Fixture Housings (26 51 13 00-0001)**

26 51 13 00-0003	EA		4" Round, Incandescent, T Or ICT Recessed Fixture Housing.....	64.66	31.00
26 51 13 00-0004	EA		5" Round, Incandescent, T Or ICT Recessed Fixture Housing.....	64.66	31.00
26 51 13 00-0005	EA		6" Round, Incandescent, T Or ICT Recessed Fixture Housing.....	68.38	32.51
26 51 13 00-0006	EA		7" Round, Incandescent, T Or ICT Recessed Fixture Housing.....	72.20	33.92
26 51 13 00-0007	EA		8" Round, Incandescent, T Or ICT Recessed Fixture Housing.....	76.03	35.33
26 51 13 00-0008	EA		10" To 12" Square, Incandescent, T Or ICT Recessed Fixture Housing.....	78.33	37.49

	MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>26 51 13 00-0009 Recessed Fixture Trim (26 51 13 00-0001)</b>				
26 51 13 00-0010	EA	Circular, Recessed Fixture Trim .....	45.09	15.17
26 51 13 00-0011	EA	Circular Clear Lens, Recessed Fixture Trim .....	49.19	15.17
26 51 13 00-0012	EA	Open/Baffle, Recessed Fixture Trim .....	56.28	15.17
26 51 13 00-0013	EA	Specular Reflector, Recessed Fixture Trim .....	60.03	15.17
26 51 13 00-0014	EA	Eyeball, Recessed Fixture Trim .....	49.25	15.17
26 51 13 00-0015	EA	10" To 12" Square, Clear Lens, Recessed Fixture Trim .....	47.05	15.17
26 51 13 00-0016	EA	10" To 12" Square, Drop Dish, Recessed Fixture Trim .....	49.57	15.17
<b>26 51 13 00-0017 Track Lighting (26 51 13)</b>				
<b>26 51 13 00-0018 Track Lighting Tracks (26 51 13 00-0017)</b>				
26 51 13 00-0019	LF	1 Circuit Track Lighting Track .....	22.89	7.16
26 51 13 00-0020	LF	2 Circuit Track Lighting Track .....	29.74	7.16
26 51 13 00-0021	LF	3 Circuit Track Lighting Track .....	35.58	7.16
26 51 13 00-0022	LF	4 Circuit Track Lighting Track .....	41.43	8.67
<b>26 51 13 00-0023 Incandescent Track Lighting Fixtures (26 51 13 00-0017)</b>				
26 51 13 00-0024	EA	Incandescent Track Lighting Fixture, 120 Volt .....	57.46	18.09
26 51 13 00-0025	EA	Par 20 Track Fixture, White Or Black Finish, 120 Volt .....	55.70	18.09
26 51 13 00-0026	EA	Par 30 Track Fixture, White Or Black Finish, 120 Volt .....	77.79	18.09
26 51 13 00-0027	EA	Par 38 Track Fixture, White Or Black Finish, 120 Volt .....	79.98	18.09
26 51 13 00-0028	EA	PAR 16, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt .....	65.70	18.09
26 51 13 00-0029	EA	PAR 20, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt .....	55.70	18.09
26 51 13 00-0030	EA	PAR 30, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt .....	64.65	18.09
Note: 120V.				
26 51 13 00-0031	EA	PAR 38, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt .....	82.17	18.09
<b>26 51 13 00-0032 Track Lighting Accessories (26 51 13 00-0017)</b>				
<b>26 51 13 00-0033 Pendant Mounting (26 51 13 00-0032)</b>				
26 51 13 00-0034	EA	Track Lighting Pendant Mounting, Up to 12" .....	24.61	
26 51 13 00-0035	EA	Track Lighting Pendant Mounting, >12" To 24" .....	31.52	
26 51 13 00-0036	EA	Track Lighting Pendant Mounting, >24" To 36" .....	38.38	
<b>26 51 13 00-0037 Wet Location, Dust Resistant, Vapor Tight Fixtures (26 51 13)</b>				
<b>26 51 13 00-0038 Incandescent, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures (26 51 13 00-0037)</b>				
26 51 13 00-0039	EA	100 Watt Incandescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture .....	120.87	43.35
26 51 13 00-0040	EA	200 Watt Incandescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture .....	138.50	43.35
<b>26 51 16 Fluorescent Interior Lighting (26 51)</b>				
<b>26 51 16 00-0001 Fluorescent Fixtures (26 51 16)</b>				
<b>26 51 16 00-0002 Surface Mounted, Wraparound Fluorescent Fixtures (26 51 16 00-0001)</b>				
<b>26 51 16 00-0003 6" x 2', Surface Mounted, Wraparound Fluorescent Fixtures (26 51 16 00-0002)</b>				
26 51 16 00-0004	EA	1 T8 Lamp, 6" x 2', Surface Mounted, Wraparound Fluorescent Fixture .....	123.46	30.99
26 51 16 00-0005	EA	2 T8 Lamps, 6" x 2', Surface Mounted, Wraparound Fluorescent Fixture .....	138.02	30.99
<b>26 51 16 00-0006 6" x 4', Surface Mounted, Wraparound Fluorescent Fixtures (26 51 16 00-0002)</b>				
26 51 16 00-0007	EA	1 T8 Lamp, 6" x 4', Surface Mounted, Wraparound Fluorescent Fixture .....	138.15	32.27
26 51 16 00-0008	EA	2 T8 Lamps, 6" x 4', Surface Mounted, Wraparound Fluorescent Fixture .....	154.25	32.27
<b>26 51 16 00-0009 1' x 4', Surface Mounted, Wraparound Fluorescent Fixtures (26 51 16 00-0002)</b>				
26 51 16 00-0010	EA	2 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture .....	165.13	36.23
26 51 16 00-0011	EA	3 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture .....	193.53	36.23
26 51 16 00-0012	EA	4 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture .....	224.61	36.23
<b>26 51 16 00-0013 2' x 2', Surface Mounted, Wraparound Fluorescent Fixtures (26 51 16 00-0002)</b>				
26 51 16 00-0014	EA	2 T8 Lamps, 2' x 2', Surface Mounted, Wraparound Fluorescent Fixture .....	139.85	39.60
26 51 16 00-0015	EA	3 T8 Lamps, 2' x 2', Surface Mounted, Wraparound Fluorescent Fixture .....	159.52	39.60
<b>26 51 16 00-0016 2' x 4', Surface Mounted, Wraparound Fluorescent Fixtures (26 51 16 00-0002)</b>				
26 51 16 00-0017	EA	2 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture .....	210.17	46.14
26 51 16 00-0018	EA	3 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture .....	225.91	46.14
26 51 16 00-0019	EA	4 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture .....	254.28	46.14
<b>26 51 16 00-0020 Surface Mounted, Box Type Fluorescent Fixtures (26 51 16 00-0001)</b>				
Note: Includes prismatic lens.				
<b>26 51 16 00-0021 1' x 4', Surface Mounted, Box Type Fluorescent Fixtures (26 51 16 00-0020)</b>				
26 51 16 00-0022	EA	2 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture .....	164.32	35.94

**26 Electrical****26 50 Lighting****26 51 Interior Lighting**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 51 16 00-0023	EA	3 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture .....	254.93	35.94
26 51 16 00-0024	EA	4 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture .....	289.19	35.94
<b>26 51 16 00-0025</b>		<b>2' x 2', Surface Mounted, Box Type Fluorescent Fixtures (26 51 16 00-0020)</b>		
26 51 16 00-0026	EA	2 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture .....	245.44	39.60
26 51 16 00-0027	EA	3 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture .....	267.42	39.60
26 51 16 00-0028	EA	4 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture .....	283.68	39.60
<b>26 51 16 00-0029</b>		<b>2' x 4', Surface Mounted, Box Type Fluorescent Fixtures (26 51 16 00-0020)</b>		
26 51 16 00-0030	EA	2 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture .....	252.67	46.14
26 51 16 00-0031	EA	3 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture .....	276.30	46.14
26 51 16 00-0032	EA	4 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture .....	290.11	46.14
26 51 16 00-0033	EA	6 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture .....	311.98	46.14
<b>26 51 16 00-0034</b>		<b>4' x 4', Surface Mounted, Box Type Fluorescent Fixtures (26 51 16 00-0020)</b>		
26 51 16 00-0035	EA	4 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture .....	484.56	59.40
26 51 16 00-0036	EA	6 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture .....	495.47	59.40
26 51 16 00-0037	EA	8 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture .....	542.11	59.40
<b>26 51 16 00-0038</b>		<b>Recessed Fluorescent Fixtures (26 51 16 00-0001)</b>		
<b>26 51 16 00-0039</b>		<b>Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0038)</b>		
<b>26 51 16 00-0040</b>		<b>1' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture (26 51 16 00-0039)</b>		
26 51 16 00-0041	EA	2 T8 Lamps, 1' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture .....	164.51	30.99
		<i>For Drywall Or Plaster Ceilings, Add</i>	20.94	
<b>26 51 16 00-0042</b>		<b>1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture (26 51 16 00-0039)</b>		
26 51 16 00-0043	EA	2 T8 Lamps, 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture .....	208.42	35.94
		<i>For Drywall Or Plaster Ceilings, Add</i>	24.50	
26 51 16 00-0044	EA	2 T5 Lamps, 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture .....	355.39	35.94
		<i>For Drywall Or Plaster Ceilings, Add</i>	24.50	
<b>26 51 16 00-0045</b>		<b>2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture (26 51 16 00-0039)</b>		
26 51 16 00-0046	EA	2 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture .....	212.28	39.60
		<i>For Drywall Or Plaster Ceilings, Add</i>	26.73	
26 51 16 00-0047	EA	3 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture .....	239.04	39.60
		<i>For Drywall Or Plaster Ceilings, Add</i>	26.73	
26 51 16 00-0048	EA	4 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture .....	243.67	39.60
		<i>For Drywall Or Plaster Ceilings, Add</i>	26.73	
26 51 16 00-0049	EA	2 T5 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture .....	262.59	39.60
		<i>For Drywall Or Plaster Ceilings, Add</i>	26.73	
<b>26 51 16 00-0050</b>		<b>2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture (26 51 16 00-0039)</b>		
26 51 16 00-0051	EA	2 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture .....	212.63	46.14
		<i>For Drywall Or Plaster Ceilings, Add</i>	31.19	
26 51 16 00-0052	EA	3 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture .....	279.63	46.14
		<i>For Drywall Or Plaster Ceilings, Add</i>	31.19	
26 51 16 00-0053	EA	4 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture .....	285.09	46.14
		<i>For Drywall Or Plaster Ceilings, Add</i>	31.19	
26 51 16 00-0054	EA	6 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture .....	317.31	46.14
		<i>For Drywall Or Plaster Ceilings, Add</i>	31.19	
26 51 16 00-0055	EA	2 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture .....	277.02	46.14
		<i>For Drywall Or Plaster Ceilings, Add</i>	31.19	
26 51 16 00-0056	EA	3 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture .....	364.87	46.14
		<i>For Drywall Or Plaster Ceilings, Add</i>	31.19	
26 51 16 00-0057	EA	4 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture .....	377.72	46.14
		<i>For Drywall Or Plaster Ceilings, Add</i>	31.19	
<b>26 51 16 00-0058</b>		<b>Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0038)</b>		
<b>26 51 16 00-0059</b>		<b>1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0058)</b>		
26 51 16 00-0060	EA	1 T8 Lamp, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture .....	183.55	30.99
		<i>For Drywall Or Plaster Ceilings, Add</i>	20.94	
26 51 16 00-0061	EA	2 T8 Lamps, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture .....	188.18	30.99
		<i>For Drywall Or Plaster Ceilings, Add</i>	20.94	
26 51 16 00-0062	EA	3 T8 Lamps, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture .....	216.47	30.99
		<i>For Drywall Or Plaster Ceilings, Add</i>	20.94	
<b>26 51 16 00-0063</b>		<b>1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0058)</b>		
26 51 16 00-0064	EA	1 T8 Lamp, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture .....	208.37	35.94
		<i>For Drywall Or Plaster Ceilings, Add</i>	24.50	
26 51 16 00-0065	EA	2 T8 Lamps, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture .....	213.83	35.94
		<i>For Drywall Or Plaster Ceilings, Add</i>	24.50	
26 51 16 00-0066	EA	3 T8 Lamps, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture .....	238.74	35.94
		<i>For Drywall Or Plaster Ceilings, Add</i>	24.50	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>26 51 16 00-0067</b>			<b>2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures</b> <small>(26 51 16 00-0058)</small>		
26 51 16 00-0068	EA		2 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	217.42	39.60
			<i>For Drywall Or Plaster Ceilings, Add</i>	26.73	
26 51 16 00-0069	EA		3 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	222.04	39.60
			<i>For Drywall Or Plaster Ceilings, Add</i>	26.73	
26 51 16 00-0070	EA		4 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	249.94	39.60
			<i>For Drywall Or Plaster Ceilings, Add</i>	26.73	
<b>26 51 16 00-0071</b>			<b>2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures</b> <small>(26 51 16 00-0058)</small>		
26 51 16 00-0072	EA		2 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	212.63	46.14
			<i>For Drywall Or Plaster Ceilings, Add</i>	31.19	
26 51 16 00-0073	EA		3 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	243.04	46.14
			<i>For Drywall Or Plaster Ceilings, Add</i>	31.19	
26 51 16 00-0074	EA		4 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	272.07	46.14
			<i>For Drywall Or Plaster Ceilings, Add</i>	31.19	
26 51 16 00-0075	EA		6 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	306.66	46.14
			<i>For Drywall Or Plaster Ceilings, Add</i>	31.19	
<b>26 51 16 00-0076</b>			<b>Direct-Indirect, Recessed Fluorescent Fixtures</b> <small>(26 51 16 00-0038)</small>		
<b>26 51 16 00-0077</b>			<b>1' x 4', Direct-Indirect, Recessed Fluorescent Fixtures</b> <small>(26 51 16 00-0076)</small>		
26 51 16 00-0078	EA		1 T8 Lamp, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture	356.81	35.94
			<i>For Drywall Or Plaster Ceilings, Add</i>	24.50	
26 51 16 00-0079	EA		2 T8 Lamps, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture	362.27	35.94
			<i>For Drywall Or Plaster Ceilings, Add</i>	24.50	
26 51 16 00-0080	EA		1 T5 Lamp, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture	420.18	35.94
			<i>For Drywall Or Plaster Ceilings, Add</i>	24.50	
26 51 16 00-0081	EA		2 T5 Lamps, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture	433.04	35.94
			<i>For Drywall Or Plaster Ceilings, Add</i>	24.50	
<b>26 51 16 00-0082</b>			<b>2' x 2', Direct-Indirect, Recessed Fluorescent Fixtures</b> <small>(26 51 16 00-0076)</small>		
26 51 16 00-0083	EA		2 T8 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture	295.72	39.60
			<i>For Drywall Or Plaster Ceilings, Add</i>	26.73	
26 51 16 00-0084	EA		3 T8 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture	327.24	39.60
			<i>For Drywall Or Plaster Ceilings, Add</i>	26.73	
26 51 16 00-0085	EA		2 T5 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture	399.14	39.60
			<i>For Drywall Or Plaster Ceilings, Add</i>	26.73	
<b>26 51 16 00-0086</b>			<b>2' x 4', Direct-Indirect, Recessed Fluorescent Fixtures</b> <small>(26 51 16 00-0076)</small>		
26 51 16 00-0087	EA		2 T8 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture	332.16	46.14
			<i>For Drywall Or Plaster Ceilings, Add</i>	31.19	
26 51 16 00-0088	EA		3 T8 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture	401.53	46.14
			<i>For Drywall Or Plaster Ceilings, Add</i>	31.19	
26 51 16 00-0089	EA		1 T5 Lamp, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture	421.67	46.14
			<i>For Drywall Or Plaster Ceilings, Add</i>	31.19	
26 51 16 00-0090	EA		2 T5 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture	465.12	46.14
			<i>For Drywall Or Plaster Ceilings, Add</i>	31.19	
<b>26 51 16 00-0091</b>			<b>Volumetric, Recessed Fluorescent Fixtures</b> <small>(26 51 16 00-0038)</small>		
<b>26 51 16 00-0092</b>			<b>1' x 4', Volumetric, Recessed Fluorescent Fixtures</b> <small>(26 51 16 00-0091)</small>		
26 51 16 00-0093	EA		2 T8 Lamps, 1' x 4', Volumetric, Recessed Fluorescent Fixture	284.29	35.94
			<i>For Drywall Or Plaster Ceilings, Add</i>	24.50	
26 51 16 00-0094	EA		2 T5 Lamps, 1' x 4', Volumetric, Recessed Fluorescent Fixture	364.70	35.94
			<i>For Drywall Or Plaster Ceilings, Add</i>	24.50	
<b>26 51 16 00-0095</b>			<b>2' x 2', Volumetric, Recessed Fluorescent Fixtures</b> <small>(26 51 16 00-0091)</small>		
26 51 16 00-0096	EA		2 T8 Lamps, 2' x 2', Volumetric, Recessed Fluorescent Fixture	286.03	39.60
			<i>For Drywall Or Plaster Ceilings, Add</i>	26.73	
26 51 16 00-0097	EA		2 T5 Lamps, 2' x 2', Volumetric, Recessed Fluorescent Fixture	321.98	39.60
			<i>For Drywall Or Plaster Ceilings, Add</i>	26.73	
<b>26 51 16 00-0098</b>			<b>2' x 4', Volumetric, Recessed Fluorescent Fixtures</b> <small>(26 51 16 00-0091)</small>		
26 51 16 00-0099	EA		2 T8 Lamps, 2' x 4', Volumetric, Recessed Fluorescent Fixture	318.16	46.14
			<i>For Drywall Or Plaster Ceilings, Add</i>	31.19	
26 51 16 00-0100	EA		2 T5 Lamps, 2' x 4', Volumetric, Recessed Fluorescent Fixture	318.76	46.14
			<i>For Drywall Or Plaster Ceilings, Add</i>	31.19	
<b>26 51 16 00-0101</b>			<b>Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures</b> <small>(26 51 16 00-0038)</small>		
<b>26 51 16 00-0102</b>			<b>1' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures</b> <small>(26 51 16 00-0101)</small>		
26 51 16 00-0103	EA		2 T8 Lamps, 1' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	272.95	35.94
			<i>For Drywall Or Plaster Ceilings, Add</i>	24.50	

**26 Electrical****26 50 Lighting****26 51 Interior Lighting**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 51 16 00-0104		2' x 2', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 16 00-0101)</small>			
26 51 16 00-0105	EA	2 T8 Lamps, 2' x 2', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	264.89 26.73		39.60
26 51 16 00-0106		2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 16 00-0101)</small>			
26 51 16 00-0107	EA	2 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	316.95 31.19		46.14
26 51 16 00-0108	EA	3 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	502.94 31.19		46.14
26 51 16 00-0109	EA	4 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	362.10 31.19		46.14
26 51 16 00-0110		Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 16 00-0038)</small>			
26 51 16 00-0111		1' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 16 00-0110)</small>			
26 51 16 00-0112	EA	2 T8 Lamps, 1' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	262.02 24.50		35.94
26 51 16 00-0113		2' x 2', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 16 00-0110)</small>			
26 51 16 00-0114	EA	2 T8 Lamps, 2' x 2', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	264.63 26.73		39.60
26 51 16 00-0115		2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 16 00-0110)</small>			
26 51 16 00-0116	EA	2 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	323.08 31.19		46.14
26 51 16 00-0117	EA	3 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	330.67 31.19		46.14
26 51 16 00-0118	EA	4 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	340.66 31.19		46.14
26 51 16 00-0119		Striplight Fluorescent Fixtures <small>(26 51 16 00-0001)</small>			
26 51 16 00-0120		1 Lamp Cross Section, Striplight Fluorescent Fixtures <small>(26 51 16 00-0119)</small>			
26 51 16 00-0121	EA	1-1/2' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	127.37		29.70
26 51 16 00-0122	EA	2' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	149.63		29.70
26 51 16 00-0123	EA	3' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	150.72		32.97
26 51 16 00-0124	EA	4' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	155.63		36.23
26 51 16 00-0125	EA	8' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	188.94		42.92
26 51 16 00-0126		2 Lamp Cross Section, Striplight Fluorescent Fixtures <small>(26 51 16 00-0119)</small>			
26 51 16 00-0127	EA	2' Length, 2 T8 Lamps, Striplight Fluorescent Fixture	154.46		32.97
26 51 16 00-0128	EA	3' Length, 2 T8 Lamps, Striplight Fluorescent Fixture	161.17		36.23
26 51 16 00-0129	EA	4' Length, 2 T8 Lamps, Striplight Fluorescent Fixture	166.04		39.60
26 51 16 00-0130		3 Lamp Cross Section, Striplight Fluorescent Fixtures <small>(26 51 16 00-0119)</small>			
26 51 16 00-0131	EA	2' Length, 3 T8 Lamps, Striplight Fluorescent Fixture	209.97		32.97
26 51 16 00-0132	EA	3' Length, 3 T8 Lamps, Striplight Fluorescent Fixture	208.09		36.23
26 51 16 00-0133	EA	4' Length, 3 T8 Lamps, Striplight Fluorescent Fixture	212.93		39.60
26 51 16 00-0134		Display Case Fluorescent Fixtures <small>(26 51 16 00-0119)</small>			
26 51 16 00-0135	EA	1 T8 Lamp, 1-1/2' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU15W)	101.65		32.51
26 51 16 00-0136	EA	1 T8 Lamp, 2' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU20W)	123.37		32.51
26 51 16 00-0137	EA	1 T8 Lamp, 3' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU30W)	133.47		37.93
26 51 16 00-0138	EA	1 T8 Lamp, 4' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU40W)	136.34		37.93
26 51 16 00-0139		Industrial Fluorescent Fixtures <small>(26 51 16 00-0001)</small>			
26 51 16 00-0140		1 Lamp Cross Section, Industrial Fluorescent Fixtures <small>(26 51 16 00-0139)</small>			
26 51 16 00-0141	EA	2' Length, 1 T8 Lamp, Industrial Fluorescent Fixture	169.75		29.70
26 51 16 00-0142	EA	4' Length, 1 T8 Lamp, Industrial Fluorescent Fixture	182.79		36.23
26 51 16 00-0143	EA	8' Length, 1 T8 Lamp, Industrial Fluorescent Fixture	312.04		46.14
26 51 16 00-0144	EA	96" Lamp Industrial Fixture Fluorescent, 2 54 W T5 Lamp Note: With electronic ballast.	185.37		46.14
26 51 16 00-0145		2 Lamp Cross Section, Industrial Fluorescent Fixtures <small>(26 51 16 00-0139)</small>			
26 51 16 00-0146	EA	2' Length, 2 T8 Lamps, Industrial Fluorescent Fixture	179.31		32.97
26 51 16 00-0147	EA	4' Length, 2 T8 Lamps, Industrial Fluorescent Fixture	193.21		39.60
26 51 16 00-0148	EA	8' Length, 2 T8 Lamps, Industrial Fluorescent Fixture	322.96		46.14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0149	EA		48" Lamp Industrial Fixture Fluorescent, 2 54 W T5 Lamp ..... Note: With electronic ballast.	184.67	39.60
26 51 16 00-0150	EA		96" Lamp Industrial Fixture Fluorescent, 4 54 W T5 Lamp ..... Note: With electronic ballast.	224.16	46.14
<b>26 51 16 00-0151</b>			<b>3 Lamp Cross Section, Industrial Fluorescent Fixtures</b> <small>(26 51 16 00-0139)</small>		
26 51 16 00-0152	EA		2' Length, 3 T8 Lamps, Industrial Fluorescent Fixture .....	187.48	32.97
26 51 16 00-0153	EA		4' Length, 3 T8 Lamps, Industrial Fluorescent Fixture .....	201.33	39.60
26 51 16 00-0154	EA		8' Length, 3 T8 Lamps, Industrial Fluorescent Fixture .....	293.64	46.14
<b>26 51 16 00-0155</b>			<b>4 Lamp Cross Section, Industrial Fluorescent Fixtures</b> <small>(26 51 16 00-0139)</small>		
26 51 16 00-0156	EA		4' Length, 4 T8 Lamps, Industrial Fluorescent Fixture .....	261.12	39.60
26 51 16 00-0157	EA		8' Length, 4 T8 Lamps, Industrial Fluorescent Fixture .....	375.57	46.14
<b>26 51 16 00-0158</b>			<b>Flanged Fluorescent Fixture</b> <small>(26 51 16 00-0001)</small> Note: For plaster or drywall application. With electronic ballast.		
26 51 16 00-0159	EA		2 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture .....	258.46	59.40
26 51 16 00-0160	EA		3 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture .....	299.42	59.40
26 51 16 00-0161	EA		4 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture .....	304.88	59.40
<b>26 51 16 00-0162</b>			<b>Undercabinet Fluorescent Fixtures</b> <small>(26 51 16 00-0001)</small>		
26 51 16 00-0163	EA		1 T5 Lamp, 12-3/16" Length, Slimline Undercabinet Fluorescent Fixture .....	93.79	26.73
26 51 16 00-0164	EA		1 T5 Lamp, 21-3/16" Length, Slimline Undercabinet Fluorescent Fixture .....	110.50	32.67
26 51 16 00-0165	EA		2 T5 Lamps, 24-7/16" Length, Slimline Undercabinet Fluorescent Fixture .....	109.15	32.67
26 51 16 00-0166	EA		1 T5 Lamp, 33-7/16" Length, Slimline Undercabinet Fluorescent Fixture .....	128.66	35.64
26 51 16 00-0167	EA		2 T5 Lamps, 42-7/16" Length, Slimline Undercabinet Fluorescent Fixture .....	149.70	41.58
<b>26 51 16 00-0168</b>			<b>Corner Mounted, Fluorescent Fixtures</b> <small>(26 51 16 00-0001)</small> Note: Includes acrylic drop dish diffuser.		
<b>26 51 16 00-0169</b>			<b>2' Length, Corner Mounted, Fluorescent Fixtures</b> <small>(26 51 16 00-0168)</small>		
26 51 16 00-0170	EA		1 T8 Lamp, 2' Length, Corner Mounted, Fluorescent Fixture.....	159.18	29.70
26 51 16 00-0171	EA		2 T8 Lamps, 2' Length, Corner Mounted, Fluorescent Fixture.....	176.99	29.70
<b>26 51 16 00-0172</b>			<b>3' Length, Corner Mounted, Fluorescent Fixtures</b> <small>(26 51 16 00-0168)</small>		
26 51 16 00-0173	EA		1 T8 Lamp, 3' Length, Corner Mounted, Fluorescent Fixture.....	180.20	31.19
26 51 16 00-0174	EA		2 T8 Lamps, 3' Length, Corner Mounted, Fluorescent Fixture.....	197.55	31.19
<b>26 51 16 00-0175</b>			<b>4' Length, Corner Mounted, Fluorescent Fixtures</b> <small>(26 51 16 00-0168)</small>		
26 51 16 00-0176	EA		1 T8 Lamp, 4' Length, Corner Mounted, Fluorescent Fixture.....	178.61	32.67
26 51 16 00-0177	EA		2 T8 Lamps, 4' Length, Corner Mounted, Fluorescent Fixture.....	196.54	32.67
<b>26 51 16 00-0178</b>			<b>Wall Bracket, Fluorescent Fixtures</b> <small>(26 51 16 00-0001)</small>		
<b>26 51 16 00-0179</b>			<b>Wall Bracket, Fluorescent Fixtures (Lithonia W)</b> <small>(26 51 16 00-0178)</small> Note: Includes extruded aluminum housing with brushed finish, acrylic diffuser and solid-state electronic ballast.		
<b>26 51 16 00-0180</b>			<b>2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W)</b> <small>(26 51 16 00-0179)</small>		
26 51 16 00-0181	EA		1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia W) .....	218.45	49.85
26 51 16 00-0182	EA		2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia W) .....	222.39	49.85
<b>26 51 16 00-0183</b>			<b>3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W)</b> <small>(26 51 16 00-0179)</small>		
26 51 16 00-0184	EA		1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia W) .....	286.24	49.85
26 51 16 00-0185	EA		2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia W) .....	291.74	49.85
<b>26 51 16 00-0186</b>			<b>4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W)</b> <small>(26 51 16 00-0179)</small>		
26 51 16 00-0187	EA		1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia W) .....	296.95	49.85
26 51 16 00-0188	EA		2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia W) .....	300.88	49.85
<b>26 51 16 00-0189</b>			<b>Wall Bracket, Fluorescent Fixtures (Lithonia WP)</b> <small>(26 51 16 00-0178)</small> Note: Includes 20 gauge steel housing with baked finish, acrylic diffuser and solid-state electronic ballast.		
<b>26 51 16 00-0190</b>			<b>2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP)</b> <small>(26 51 16 00-0189)</small>		
26 51 16 00-0191	EA		1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	548.21	49.85
26 51 16 00-0192	EA		2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	552.15	49.85
<b>26 51 16 00-0193</b>			<b>3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP)</b> <small>(26 51 16 00-0189)</small>		
26 51 16 00-0194	EA		1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	429.87	49.85
26 51 16 00-0195	EA		2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	435.37	49.85
<b>26 51 16 00-0196</b>			<b>4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP)</b> <small>(26 51 16 00-0189)</small>		
26 51 16 00-0197	EA		1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	496.93	49.85

**26 Electrical****26 50 Lighting****26 51 Interior Lighting**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 51 16 00-0198	EA	2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP) .....	500.87		49.85
26 51 16 00-0199		<b>Wall Bracket, Fluorescent Fixtures (Lithonia WC)</b> <small>(26 51 16 00-0178)</small>			
		Note: Includes 20 gauge steel housing with baked finish, acrylic diffuser and solid-state electronic ballast.			
26 51 16 00-0200		<b>2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC)</b> <small>(26 51 16 00-0199)</small>			
26 51 16 00-0201	EA	1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	208.70		49.85
26 51 16 00-0202	EA	2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	212.64		49.85
26 51 16 00-0203		<b>3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC)</b> <small>(26 51 16 00-0199)</small>			
26 51 16 00-0204	EA	1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	210.26		49.85
26 51 16 00-0205	EA	2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	215.76		49.85
26 51 16 00-0206		<b>4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC)</b> <small>(26 51 16 00-0199)</small>			
26 51 16 00-0207	EA	1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	201.23		49.85
26 51 16 00-0208	EA	2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	205.16		49.85
26 51 16 00-0209		<b>Low Occupancy, Industrial Fluorescent Fixtures</b> <small>(26 51 16 00-0001)</small>			
26 51 16 00-0210	EA	1 T8 Lamp, 4' Length, Bi-Level Illumination, Industrial Fluorescent Fixture With Integral Occupancy Sensor (Deco SMART™ DSBL-CP).....	257.63		36.23
26 51 16 00-0211	EA	2 T8 Lamps, 4' Length, Bi-Level Illumination, Industrial Fluorescent Fixture With Integral Occupancy Sensor (Deco SMART™ DSBL-CP) .....	262.58		39.60
26 51 16 00-0212		<b>Surface Mounted, Fluorescent Fixtures, Architectural</b> <small>(26 51 16 00-0001)</small>			
26 51 16 00-0213		<b>8-1/2" x 4' Surface Mounted Architectural Fluorescent Fixtures</b> <small>(26 51 16 00-0212)</small>			
26 51 16 00-0214	EA	8-1/2" x 4' Surface Mounted Architectural Fluorescent Fixture, 1 54 Watt T5 HO Lamp.....	283.75		36.23
		Note: With electronic ballast.			
26 51 16 00-0215		<b>Vandal Proof, Wraparound Fluorescent Fixtures</b> <small>(26 51 16 00-0001)</small>			
		Note: 16 gauge welded steel body with powder coated finish, polycarbonate lens, and tamper resistant screws.			
26 51 16 00-0216		<b>6" x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures</b> <small>(26 51 16 00-0215)</small>			
26 51 16 00-0217	EA	1 T8 Lamp, 6" x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures .....	155.27		30.99
26 51 16 00-0218	EA	2 T8 Lamps, 6" x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures .....	183.01		30.99
26 51 16 00-0219		<b>6" x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures</b> <small>(26 51 16 00-0215)</small>			
26 51 16 00-0220	EA	1 T8 Lamp, 6" x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures .....	167.45		32.27
26 51 16 00-0221	EA	2 T8 Lamps, 6" x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures .....	198.11		32.27
26 51 16 00-0222		<b>8-1/4" x 2', Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixtures</b> <small>(26 51 16 00-0215)</small>			
26 51 16 00-0223	EA	8-1/4" x 2', 2 T8 Lamps, Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixture (Lightron VPF).....	292.73		49.85
26 51 16 00-0224	EA	8-1/4" x 2', 3 T8 Lamps, Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixture (Lightron VPF).....	306.51		49.85
26 51 16 00-0225		<b>8-1/4" x 4', Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixtures</b> <small>(26 51 16 00-0215)</small>			
26 51 16 00-0226	EA	8-1/4" x 4', 1 T8 Lamp, Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixture (Lightron VPF).....	334.06		49.85
26 51 16 00-0227	EA	8-1/4" x 4', 2 T8 Lamps, Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixture (Lightron VPF).....	345.87		49.85
26 51 16 00-0228	EA	8-1/4" x 4', 3 T8 Lamps, Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixture (Lightron VPF).....	361.62		49.85
26 51 16 00-0229		<b>1' x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures</b> <small>(26 51 16 00-0215)</small>			
26 51 16 00-0230	EA	2 T8 Lamps, 1' x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures .....	188.79		34.26
26 51 16 00-0231	EA	3 T8 Lamps, 1' x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures .....	221.84		34.26
26 51 16 00-0232	EA	4 T8 Lamps, 1' x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures .....	238.29		34.26
26 51 16 00-0233		<b>1' x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures</b> <small>(26 51 16 00-0215)</small>			
26 51 16 00-0234	EA	2 T8 Lamps, 1' x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures .....	203.67		36.23
26 51 16 00-0235	EA	3 T8 Lamps, 1' x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures .....	239.86		36.23
26 51 16 00-0236	EA	4 T8 Lamps, 1' x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures .....	258.05		36.23
26 51 16 00-0237		<b>Ceiling Mounted Fluorescent Fixtures</b> <small>(26 51 16)</small>			
26 51 16 00-0238		<b>Ceiling Mounted, Compact Fluorescent/Incandescent Fixtures</b> <small>(26 51 16 00-0237)</small>			
26 51 16 00-0239		<b>Glass Globe, Compact Fluorescent/Incandescent Fixtures</b> <small>(26 51 16 00-0238)</small>			
26 51 16 00-0240	EA	6" Diameter, Ceiling Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture.....	109.14		43.35
26 51 16 00-0241	EA	9" Diameter, Ceiling Mounted, Mushroom Style Glass Globe, Compact Fluorescent/Incandescent Fixture.....	124.23		43.35



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Interior Lighting</b>	<b>26 51</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 51 16 00-0242			Ceiling Mounted, Circline Fluorescent Fixtures <small>(26 51 16 00-0237)</small>		
26 51 16 00-0243			Exposed Lamps, Circline Fluorescent Fixtures <small>(26 51 16 00-0242)</small>		
26 51 16 00-0244	EA		8-1/2" Diameter, Ceiling Mounted, Exposed Lamps, Circline Fluorescent Fixture.....	98.96	43.35
26 51 16 00-0245	EA		12" Diameter, Ceiling Mounted, Exposed Lamps, Circline Fluorescent Fixture.....	107.50	43.35
26 51 16 00-0246			Low Profile Acrylic Diffuser, Circline Fluorescent Fixtures <small>(26 51 16 00-0242)</small>		
26 51 16 00-0247	EA		11" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture .....	129.14	43.35
26 51 16 00-0248	EA		14" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture .....	170.68	43.35
26 51 16 00-0249	EA		19" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture .....	199.46	43.35
26 51 16 00-0250	EA		12" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture .....	142.60	43.35
26 51 16 00-0251	EA		15" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture .....	171.53	43.35
26 51 16 00-0252	EA		19" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture .....	199.46	43.35
26 51 16 00-0253			Ceiling Mounted, Double Twin Tube Compact Fluorescent Fixtures <small>(26 51 16 00-0237)</small>		
26 51 16 00-0254			Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixtures <small>(26 51 16 00-0253)</small>		
26 51 16 00-0255	EA		11" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	133.65	43.35
26 51 16 00-0256	EA		14" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	160.80	43.35
26 51 16 00-0257	EA		19" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	186.66	43.35
26 51 16 00-0258	EA		12" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	111.04	43.35
26 51 16 00-0259	EA		15" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	126.89	43.35
26 51 16 00-0260	EA		19" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	156.92	43.35
26 51 16 00-0261			Pendant Mounted, Compact Fluorescent/Incandescent Downlights <small>(26 51 16 00-0237)</small>		
26 51 16 00-0262			Pendant Mounted, Compact Fluorescent/Incandescent Open Reflector Downlights <small>(26 51 16 00-0261)</small>		
26 51 16 00-0263	EA		6" Diameter, Pendant Mounted, Open Reflector Compact Fluorescent/Incandescent Downlight.....	182.79	35.61
26 51 16 00-0264			Pendant Mounted, Compact Fluorescent/Incandescent Downlights With Baffle <small>(26 51 16 00-0261)</small>		
26 51 16 00-0265	EA		6" Diameter, Pendant Mounted, Compact Fluorescent/Incandescent Downlight With Baffle.....	205.76	35.61
26 51 16 00-0266	EA		8" Diameter, Pendant Mounted, Compact Fluorescent/Incandescent Downlight With Baffle.....	279.86	35.61
26 51 16 00-0267			Pendant Mounted, Horizontal Indirect Fluorescent Fixtures <small>(26 51 16 00-0237)</small>		
26 51 16 00-0268	EA		1 T5HO Lamp, 4' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture .....	249.74	35.61
26 51 16 00-0269	EA		2 T5HO Lamps, 4' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture .....	264.82	35.61
26 51 16 00-0270	EA		3 T5HO Lamps, 4' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture .....	316.32	35.61
26 51 16 00-0271	EA		2 T5HO Lamps, 8' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture .....	329.40	35.61
26 51 16 00-0272	EA		4 T5HO Lamps, 8' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture .....	392.66	35.61
26 51 16 00-0273	EA		6 T5HO Lamps, 8' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture .....	467.51	35.61
26 51 16 00-0274			Finelite Fluorescent Fixtures <small>(26 51 16 00-0237)</small>		
26 51 16 00-0275			Pendant Mounted, Fluorescent Downlight Fixtures (Finelite Series 10) <small>(26 51 16 00-0274)</small>		
26 51 16 00-0276	EA		1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	424.15	50.50
26 51 16 00-0277	EA		2 T8 Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	422.43	50.50
26 51 16 00-0278	EA		3 T8 Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	456.59	50.50
26 51 16 00-0279	EA		1 T5HO Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	509.92	50.50
26 51 16 00-0280	EA		2 T5HO Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	558.10	50.50
26 51 16 00-0281	EA		3 T5HO Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	685.20	50.50
26 51 16 00-0282	EA		2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	603.97	52.67
26 51 16 00-0283	EA		4 T8 Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	622.06	52.67
26 51 16 00-0284	EA		6 T8 Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	690.37	52.67
26 51 16 00-0285	EA		2 T5HO Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	660.71	52.67
26 51 16 00-0286	EA		4 T5HO Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	828.82	52.67
26 51 16 00-0287	EA		6 T5HO Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	975.41	52.67
26 51 16 00-0288	EA		3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	798.13	54.84
26 51 16 00-0289	EA		6 T8 Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	828.86	54.84
26 51 16 00-0290	EA		9 T8 Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	916.98	54.84
26 51 16 00-0291	EA		3 T5HO Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	919.12	54.84

**26 Electrical**

**26 50 Lighting**

**26 51 Interior Lighting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	16 00-0292	EA	6 T5HO Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	1,135.42	54.84
26 51	16 00-0293	EA	9 T5HO Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	1,358.88	54.84
<b>26 51 16 00-0294 Pendant Mounted, Fluorescent Wallwash Fixtures (Finelite Series X2-O) (26 51 16 00-0274)</b>					
26 51	16 00-0295	EA	1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	320.88	50.50
26 51	16 00-0296	EA	1 T5 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	346.62	50.50
26 51	16 00-0297	EA	1 T5HO Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	345.75	50.50
26 51	16 00-0298	EA	2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	458.10	52.67
26 51	16 00-0299	EA	2 T5 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	487.99	52.67
26 51	16 00-0300	EA	2 T5HO Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	486.24	52.67
26 51	16 00-0301	EA	3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	595.31	54.84
26 51	16 00-0302	EA	3 T5 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	672.56	54.84
26 51	16 00-0303	EA	3 T5HO Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	669.93	54.84
<b>26 51 16 00-0304 Pendant Mounted, Fluorescent Indirect Fixtures (Finelite Series 8) (26 51 16 00-0274)</b>					
26 51	16 00-0305	EA	1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	253.08	50.50
26 51	16 00-0306	EA	2 T8 Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	266.82	50.50
26 51	16 00-0307	EA	3 T8 Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	310.92	50.50
26 51	16 00-0308	EA	2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	322.81	52.67
26 51	16 00-0309	EA	4 T8 Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	377.88	52.67
26 51	16 00-0310	EA	6 T8 Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	442.62	52.67
26 51	16 00-0311	EA	3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	433.93	54.84
26 51	16 00-0312	EA	6 T8 Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	527.58	54.84
26 51	16 00-0313	EA	9 T8 Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	626.75	54.84
<b>26 51 16 00-0314 Fluorescent, Recessed Fixture Housings (26 51 16)</b>					
26 51	16 00-0315	EA	4" Round, Fluorescent, T Or ICT Recessed Fixture Housing.....	93.32	31.00
26 51	16 00-0316	EA	5" Round, Fluorescent, T Or ICT Recessed Fixture Housing.....	95.87	31.00
26 51	16 00-0317	EA	6" Round, Fluorescent, T Or ICT Recessed Fixture Housing.....	99.96	32.40
26 51	16 00-0318	EA	7" Round, Fluorescent, T Or ICT Recessed Fixture Housing.....	104.92	33.59
26 51	16 00-0319	EA	8" Round, Fluorescent, T Or ICT Recessed Fixture Housing.....	109.36	35.33
26 51	16 00-0320	EA	10" To 12" Square, Fluorescent, T Or ICT Recessed Fixture Housing.....	113.78	37.49
<b>26 51 16 00-0321 Compact Fluorescent, Recessed Fixture Housings (26 51 16)</b>					
26 51	16 00-0322	EA	4" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing.....	104.27	31.00
26 51	16 00-0323	EA	5" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing.....	106.77	31.00
26 51	16 00-0324	EA	6" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing.....	110.95	32.51
26 51	16 00-0325	EA	7" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing.....	114.48	33.92
26 51	16 00-0326	EA	8" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing.....	118.40	35.33
26 51	16 00-0327	EA	10" To 12" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing.....	122.63	37.49
<b>26 51 16 00-0328 Recessed Mounted Box Type Fluorescent Fixtures, Direct/Indirect (26 51 16)</b>					
<b>26 51 16 00-0329 2' x 2' Recessed Mounted Box Type Direct/Indirect (26 51 16 00-0328)</b>					
26 51	16 00-0330	EA	2' x 2' Recessed Mounted Box Type Direct/Indirect, 3 T5 Lamps Note: With electronic ballast.....	215.38	39.60
<b>26 51 16 00-0331 Fluorescent Track Lighting Fixtures (26 51 16)</b>					
26 51	16 00-0332	EA	2L 18W BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.....	265.66	18.09
26 51	16 00-0333	EA	2L 39W BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.....	274.42	18.09
26 51	16 00-0334	EA	2L 40W BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.....	279.90	18.09
26 51	16 00-0335	EA	2L 50W BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.....	191.36	18.09
26 51	16 00-0336	EA	2L, 55 Watt BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.....	303.11	18.09

MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 51 16 00-0337	<b>Compact Fluorescent Track Lighting Fixtures</b> <small>(26 51 16)</small>		
26 51 16 00-0338	EA Compact Fluorescent Track Lighting Fixture .....	65.72	18.09
26 51 16 00-0339	<b>Compact Fluorescent, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures</b> <small>(26 51 16)</small>		
26 51 16 00-0340	EA 13 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	129.97	43.35
26 51 16 00-0341	EA 22 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	133.44	43.35
26 51 16 00-0342	EA 28 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	142.01	43.35
26 51 16 00-0343	<b>Wet Location, Dust Resistant, Vapor Tight, Enclosed And Gasketed, Industrial Fluorescent Fixtures</b> <small>(26 51 16)</small>		
26 51 16 00-0344	<b>4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures</b> <small>(26 51 16 00-0343)</small>		
26 51 16 00-0345	<b>4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Lithonia DMW)</b> <small>(26 51 16 00-0344)</small>		
	Note: Includes high impact acrylic molded lens.		
26 51 16 00-0346	EA 1 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW).....	207.25	46.14
	For T5 Fixture Instead Of T8, Add	15.79	
26 51 16 00-0347	EA 2 T8 Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW).....	217.00	46.14
	For T5 Fixture Instead Of T8, Add	16.91	
26 51 16 00-0348	EA 3 T8 Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW).....	322.37	46.14
	For T5 Fixture Instead Of T8, Add	28.98	
26 51 16 00-0349	EA 1 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW).....	284.28	46.14
26 51 16 00-0350	EA 2 T8HO Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW).....	441.00	46.14
26 51 16 00-0351	<b>4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Day-Brite V2W)</b> <small>(26 51 16 00-0344)</small>		
	Note: Includes high impact acrylic molded lens.		
26 51 16 00-0352	EA 1 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	302.23	46.14
26 51 16 00-0353	EA 2 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	306.06	46.14
26 51 16 00-0354	EA 3 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	444.52	46.14
26 51 16 00-0355	EA 1 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	367.89	46.14
26 51 16 00-0356	EA 2 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	384.43	46.14
26 51 16 00-0357	<b>8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures</b> <small>(26 51 16 00-0343)</small>		
	Note: Includes high impact acrylic molded lens.		
26 51 16 00-0358	<b>8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Lithonia TDMW)</b> <small>(26 51 16 00-0357)</small>		
	Note: Includes high impact acrylic molded lens.		
26 51 16 00-0359	EA 2 T8 Lamps, 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia TDMW).....	372.72	62.67
	For T5 Fixture Instead Of T8, Add	31.91	
26 51 16 00-0360	EA 4 T8 Lamps, 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia TDMW).....	388.63	62.67
	For T5 Fixture Instead Of T8, Add	33.73	
26 51 16 00-0361	<b>High Bay Fluorescent Fixtures</b> <small>(26 51 16)</small>		
26 51 16 00-0362	<b>(T8) Fluorescent, High Bay Fixtures</b> <small>(26 51 16 00-0361)</small>		
26 51 16 00-0363	<b>(T8) Fluorescent, High Bay Fixtures (Lithonia)</b> <small>(26 51 16 00-0362)</small>		
	Note: For 8' fixture, use two (2) 4' fixtures.		
26 51 16 00-0364	EA 2 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	425.45	100.98
	For Wire Guard, Add	40.50	
	For Polycarbonate Lens, Add	47.75	
	For Acrylic Lens, Add	54.00	
26 51 16 00-0365	EA 3 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	446.22	111.88
	For Wire Guard, Add	40.50	
	For Polycarbonate Lens, Add	47.75	
	For Acrylic Lens, Add	54.00	
26 51 16 00-0366	EA 4 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	505.86	127.71
	For Wire Guard, Add	40.50	
	For Polycarbonate Lens, Add	47.75	
	For Acrylic Lens, Add	54.00	
26 51 16 00-0367	EA 6 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	605.41	134.55
	For Wire Guard, Add	40.50	
	For Polycarbonate Lens, Add	47.75	
	For Acrylic Lens, Add	54.00	
26 51 16 00-0368	EA 8 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	658.43	140.79
	For Wire Guard, Add	40.50	
	For Polycarbonate Lens, Add	47.75	
	For Acrylic Lens, Add	54.00	
26 51 16 00-0369	EA 4 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	395.97	127.71
	For Wire Guard, Add	40.50	
	For Polycarbonate Lens, Add	47.75	
	For Acrylic Lens, Add	54.00	
26 51 16 00-0370	EA 6 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	416.79	134.55
	For Wire Guard, Add	40.50	
	For Polycarbonate Lens, Add	47.75	
	For Acrylic Lens, Add	54.00	

**26 Electrical**

**26 50 Lighting**

**26 51 Interior Lighting**



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 51 16 00-0371	EA	8 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	477.47	140.79
		For Wire Guard, Add	40.50	
		For Polycarbonate Lens, Add	47.75	
		For Acrylic Lens, Add	54.00	

**26 51 16 00-0372 (T5HO) Fluorescent, High Bay Fixtures (26 51 16 00-0361)**

**26 51 16 00-0373 (T5HO) Fluorescent, High Bay Fixtures (Lithonia) (26 51 16 00-0372)**  
Note: For 8' fixture, use two (2) 4' fixtures.

26 51 16 00-0374	EA	2 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	429.27	100.98
		For Wire Guard, Add	40.50	
		For Polycarbonate Lens, Add	47.75	
		For Acrylic Lens, Add	54.00	
26 51 16 00-0375	EA	3 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	449.72	111.88
		For Wire Guard, Add	40.50	
		For Polycarbonate Lens, Add	47.75	
		For Acrylic Lens, Add	54.00	
26 51 16 00-0376	EA	4 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	512.07	127.71
		For Wire Guard, Add	40.50	
		For Polycarbonate Lens, Add	47.75	
		For Acrylic Lens, Add	54.00	
26 51 16 00-0377	EA	6 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	618.85	134.55
		For Wire Guard, Add	40.50	
		For Polycarbonate Lens, Add	47.75	
		For Acrylic Lens, Add	54.00	
26 51 16 00-0378	EA	4 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	416.68	127.71
		For Wire Guard, Add	40.50	
		For Polycarbonate Lens, Add	47.75	
		For Acrylic Lens, Add	54.00	
26 51 16 00-0379	EA	6 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	458.95	134.55
		For Wire Guard, Add	40.50	
		For Polycarbonate Lens, Add	47.75	
		For Acrylic Lens, Add	54.00	
26 51 16 00-0380	EA	8 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	536.14	140.79
		For Wire Guard, Add	40.50	
		For Polycarbonate Lens, Add	47.75	
		For Acrylic Lens, Add	54.00	

**26 51 19 LED Interior Lighting (26 51)**

**26 51 19 00-0001 LED Fixtures (26 51 19)**

**26 51 19 00-0002 Undercabinet LED Fixtures (26 51 19 00-0001)**

26 51 19 00-0003	EA	12" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ12-M6).....	139.65	26.73
		For >50 To 100, Deduct	-4.61	
		For >100 To 250, Deduct	-8.10	
		For >250 To 500, Deduct	-13.97	
		For >500, Deduct	-19.83	
26 51 19 00-0004	EA	18" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ18-M6).....	175.23	32.67
		For >50 To 100, Deduct	-5.74	
		For >100 To 250, Deduct	-10.12	
		For >250 To 500, Deduct	-17.52	
		For >500, Deduct	-24.92	
26 51 19 00-0005	EA	24" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ24-M6).....	185.81	32.67
		For >50 To 100, Deduct	-6.01	
		For >100 To 250, Deduct	-10.65	
		For >250 To 500, Deduct	-18.58	
		For >500, Deduct	-26.51	
26 51 19 00-0006	EA	24" HIDE-A-LITE V Series LED Undercabinet Fixture (Progress Lighting P700003-028-30).....	136.07	26.74
		For >50 To 100, Deduct	-4.52	
		For >100 To 250, Deduct	-7.92	
		For >250 To 500, Deduct	-13.61	
		For >500, Deduct	-19.30	

**26 51 19 00-0007 Surface Mount Linear/Striplight LED Fixtures (26 51 19 00-0001)**

**26 51 19 00-0008 Striplight LED Fixtures (Lithonia ZL) (26 51 19 00-0007)**

26 51 19 00-0009	EA	3,000 Lumens, 2' Length, LED Striplight Fixture (Lithonia ZL1).....	177.97	29.70
		For >50 To 100, Deduct	-5.56	
		For >100 To 250, Deduct	-10.01	
		For >250 To 500, Deduct	-17.80	
		For >500, Deduct	-25.58	
26 51 19 00-0010	EA	2,800 Lumens, 4' Length, LED Striplight Fixture (Lithonia ZL1).....	187.86	36.23
		For >50 To 100, Deduct	-6.06	
		For >100 To 250, Deduct	-10.75	
		For >250 To 500, Deduct	-18.79	
		For >500, Deduct	-26.82	
26 51 19 00-0011	EA	1,400 Lumens, 2' Length, Lensed LED Striplight Fixture (Lithonia ZL2).....	212.68	29.70
		For >50 To 100, Deduct	-6.43	
		For >100 To 250, Deduct	-11.75	
		For >250 To 500, Deduct	-21.27	
		For >500, Deduct	-30.79	
26 51 19 00-0012	EA	2,300 Lumens, 4' Length, Lensed LED Striplight Fixture (Lithonia ZL2).....	222.57	36.23
		For >50 To 100, Deduct	-6.93	
		For >100 To 250, Deduct	-12.49	
		For >250 To 500, Deduct	-22.26	
		For >500, Deduct	-32.02	

	<b>Electrical</b>	<b>26</b>
	Lighting	26 50
	Interior Lighting	26 51

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 51 19 00-0013	EA		4,600 Lumens, 4' Length, Lensed LED Striplight Fixture (Lithonia ZL2).....	277.88	36.23
			<i>For &gt;50 To 100, Deduct</i>	-8.31	
			<i>For &gt;100 To 250, Deduct</i>	-15.26	
			<i>For &gt;250 To 500, Deduct</i>	-27.79	
			<i>For &gt;500, Deduct</i>	-40.32	
<b>26 51 19 00-0014</b>			<b>Striplight LED Fixtures (Mobern)</b> (26 51 19 00-0007)		
26 51 19 00-0015	EA		1,100 Lumens, 12 Watt, 2' Length, Chrome, LED Bracket Fixture (Mobern 7924LED12DMV30) .....	182.28	29.70
			<i>For &gt;50 To 100, Deduct</i>	-5.67	
			<i>For &gt;100 To 250, Deduct</i>	-10.23	
			<i>For &gt;250 To 500, Deduct</i>	-18.23	
			<i>For &gt;500, Deduct</i>	-26.23	
<b>26 51 19 00-0016</b>			<b>Striplight LED Fixtures (Eaton)</b> (26 51 19 00-0007)		
26 51 19 00-0017	EA		2,301 Lumens, 18 Watt, 4' Length, LED Strip Lighting (Eaton Lighting 4SNLED-LD4-22SL-LC-UNV-L840-CD1-U) .....	231.62	36.23
			<i>For &gt;50 To 100, Deduct</i>	-7.15	
			<i>For &gt;100 To 250, Deduct</i>	-12.94	
			<i>For &gt;250 To 500, Deduct</i>	-23.16	
			<i>For &gt;500, Deduct</i>	-33.38	
26 51 19 00-0018	EA		2,382 Lumens, 16 Watt, 4' Length, LED Clear Lensed Striplight (Cooper Industries 4SNLED-LD5-22SL-LC-UNV-L840-CD1-U) .....	218.70	36.23
			<i>For &gt;50 To 100, Deduct</i>	-6.83	
			<i>For &gt;100 To 250, Deduct</i>	-12.30	
			<i>For &gt;250 To 500, Deduct</i>	-21.87	
			<i>For &gt;500, Deduct</i>	-31.44	
26 51 19 00-0019	EA		2,382 Lumens, 16 Watt, 4' Length, Clear Lens, LED Striplight (Cooper Industries Metalux Series 4SNLED-LD5-22SL-LC-UNV-830-CD1-U) .....	231.62	36.23
			<i>For &gt;50 To 100, Deduct</i>	-7.15	
			<i>For &gt;100 To 250, Deduct</i>	-12.94	
			<i>For &gt;250 To 500, Deduct</i>	-23.16	
			<i>For &gt;500, Deduct</i>	-33.38	
<b>26 51 19 00-0020</b>			<b>Lay-In/Troffer LED Fixtures</b> (26 51 19 00-0001)		
<b>26 51 19 00-0021</b>			<b>Prismatic Lensed, Lay-In/Troffer LED Fixtures</b> (26 51 19 00-0020)		
<b>26 51 19 00-0022</b>			<b>Prismatic Lensed, Lay-In/Troffer LED Fixtures (Lithonia)</b> (26 51 19 00-0001)		
26 51 19 00-0023	EA		1' x 4', 4,300 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia TL4) .....	485.06	35.94
			<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	37.87	
			<i>For &gt;50 To 100, Deduct</i>	-13.49	
			<i>For &gt;100 To 250, Deduct</i>	-25.61	
			<i>For &gt;250 To 500, Deduct</i>	-48.51	
			<i>For &gt;500, Deduct</i>	-71.40	
26 51 19 00-0024	EA		2' x 2', 3,300 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia 2TL2) .....	293.39	39.60
			<i>For Drywall Or Plaster Ceilings, Add</i>	26.73	
			<i>For &gt;50 To 100, Deduct</i>	-8.82	
			<i>For &gt;100 To 250, Deduct</i>	-16.15	
			<i>For &gt;250 To 500, Deduct</i>	-29.34	
			<i>For &gt;500, Deduct</i>	-42.52	
26 51 19 00-0025	EA		2' x 4', 4,600 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia 2TL4) .....	490.66	46.14
			<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	41.86	
			<i>For &gt;50 To 100, Deduct</i>	-14.00	
			<i>For &gt;100 To 250, Deduct</i>	-26.27	
			<i>For &gt;250 To 500, Deduct</i>	-49.07	
			<i>For &gt;500, Deduct</i>	-71.87	
<b>26 51 19 00-0026</b>			<b>Prismatic Lensed, Lay-In/Troffer LED Fixtures (Lunera)</b> (26 51 19 00-0021)		
26 51 19 00-0027	EA		1' x 4', 3,200 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 14G4) .....	696.92	35.94
			<i>For &gt;50 To 100, Deduct</i>	-18.78	
			<i>For &gt;100 To 250, Deduct</i>	-36.21	
			<i>For &gt;250 To 500, Deduct</i>	-69.69	
			<i>For &gt;500, Deduct</i>	-103.18	
26 51 19 00-0028	EA		2' x 2', 3,200 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 22G5) .....	491.53	39.60
			<i>For &gt;50 To 100, Deduct</i>	-13.77	
			<i>For &gt;100 To 250, Deduct</i>	-26.06	
			<i>For &gt;250 To 500, Deduct</i>	-49.15	
			<i>For &gt;500, Deduct</i>	-72.24	
26 51 19 00-0029	EA		2' x 4', 4,175 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 24G4) .....	639.83	46.14
			<i>For &gt;50 To 100, Deduct</i>	-17.73	
			<i>For &gt;100 To 250, Deduct</i>	-33.72	
			<i>For &gt;250 To 500, Deduct</i>	-63.98	
			<i>For &gt;500, Deduct</i>	-94.24	
<b>26 51 19 00-0030</b>			<b>Prismatic Lensed, Lay-In/Troffer LED Fixtures (PlanLED)</b> (26 51 19 00-0021)		
26 51 19 00-0031	EA		2,591 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED FTB4E).....	325.32	39.60
			<i>For &gt;50 To 100, Deduct</i>	-9.62	
			<i>For &gt;100 To 250, Deduct</i>	-17.75	
			<i>For &gt;250 To 500, Deduct</i>	-32.53	
			<i>For &gt;500, Deduct</i>	-47.31	
26 51 19 00-0032	EA		3,883 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED FTB4E).....	359.63	39.60
			<i>For &gt;50 To 100, Deduct</i>	-10.48	
			<i>For &gt;100 To 250, Deduct</i>	-19.47	
			<i>For &gt;250 To 500, Deduct</i>	-35.96	
			<i>For &gt;500, Deduct</i>	-52.46	

## 26 Electrical

## 26 50 Lighting

## 26 51 Interior Lighting

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0033	EA		3,700 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-40) .....	306.45	39.60
			<i>For &gt;50 To 100, Deduct</i>	-9.15	
			<i>For &gt;100 To 250, Deduct</i>	-16.81	
			<i>For &gt;250 To 500, Deduct</i>	-30.65	
			<i>For &gt;500, Deduct</i>	-44.48	
26 51 19 00-0034	EA		4,200 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-45) .....	306.45	39.60
			<i>For &gt;50 To 100, Deduct</i>	-9.15	
			<i>For &gt;100 To 250, Deduct</i>	-16.81	
			<i>For &gt;250 To 500, Deduct</i>	-30.65	
			<i>For &gt;500, Deduct</i>	-44.48	
26 51 19 00-0035	EA		4,600 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-50) .....	328.75	39.60
			<i>For &gt;50 To 100, Deduct</i>	-9.70	
			<i>For &gt;100 To 250, Deduct</i>	-17.92	
			<i>For &gt;250 To 500, Deduct</i>	-32.88	
			<i>For &gt;500, Deduct</i>	-47.83	
26 51 19 00-0036			Volumetric, Lay-In/Troffer LED Fixtures <small>(26 51 19 00-0020)</small>		
26 51 19 00-0037			Volumetric, Lay-In/Troffer LED Fixtures (Lithonia) <small>(26 51 19 00-0036)</small>		
26 51 19 00-0038	EA		1' x 4', 2,500 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia RTL4) .....	253.53	35.94
			<i>For Drywall Or Plaster Ceilings, Add</i>	24.50	
			<i>For &gt;50 To 100, Deduct</i>	-7.70	
			<i>For &gt;100 To 250, Deduct</i>	-14.04	
			<i>For &gt;250 To 500, Deduct</i>	-25.35	
			<i>For &gt;500, Deduct</i>	-36.67	
26 51 19 00-0039	EA		2' x 2', 2,400 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2) .....	229.16	39.60
			<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	26.31	
			<i>For &gt;50 To 100, Deduct</i>	-7.21	
			<i>For &gt;100 To 250, Deduct</i>	-12.94	
			<i>For &gt;250 To 500, Deduct</i>	-22.92	
			<i>For &gt;500, Deduct</i>	-32.89	
26 51 19 00-0040	EA		2' x 2', 3,300 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2) .....	350.91	39.60
			<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	32.40	
			<i>For &gt;50 To 100, Deduct</i>	-10.26	
			<i>For &gt;100 To 250, Deduct</i>	-19.03	
			<i>For &gt;250 To 500, Deduct</i>	-35.09	
			<i>For &gt;500, Deduct</i>	-51.15	
26 51 19 00-0041	EA		2' x 2', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2) .....	232.90	39.60
			<i>For &gt;50 To 100, Deduct</i>	-7.31	
			<i>For &gt;100 To 250, Deduct</i>	-13.13	
			<i>For &gt;250 To 500, Deduct</i>	-23.29	
			<i>For &gt;500, Deduct</i>	-33.45	
26 51 19 00-0042	EA		2' x 4', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4) .....	255.60	46.14
			<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	30.11	
			<i>For &gt;50 To 100, Deduct</i>	-8.12	
			<i>For &gt;100 To 250, Deduct</i>	-14.51	
			<i>For &gt;250 To 500, Deduct</i>	-25.56	
			<i>For &gt;500, Deduct</i>	-36.61	
26 51 19 00-0043	EA		2' x 4', 4,800 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4) .....	268.39	46.14
			<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	30.75	
			<i>For &gt;50 To 100, Deduct</i>	-8.44	
			<i>For &gt;100 To 250, Deduct</i>	-15.15	
			<i>For &gt;250 To 500, Deduct</i>	-26.84	
			<i>For &gt;500, Deduct</i>	-38.53	
26 51 19 00-0044	EA		2' x 4', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2VTL4) .....	421.87	46.14
			<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	38.42	
			<i>For &gt;50 To 100, Deduct</i>	-12.28	
			<i>For &gt;100 To 250, Deduct</i>	-22.83	
			<i>For &gt;250 To 500, Deduct</i>	-42.19	
			<i>For &gt;500, Deduct</i>	-61.55	
26 51 19 00-0045			Architectural, Lay-In/Troffer LED Fixtures <small>(26 51 19 00-0020)</small>		
26 51 19 00-0046			Architectural, Lay-In/Troffer LED Fixtures (Lithonia) <small>(26 51 19 00-0045)</small>		
			Note: Includes 4,000K color temperature, 120/277 voltage and steel housing assembly. Excludes sensors.		
26 51 19 00-0047	EA		2,100 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4) .....	331.97	46.14
			<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	33.93	
			<i>For &gt;50 To 100, Deduct</i>	-10.03	
			<i>For &gt;100 To 250, Deduct</i>	-18.33	
			<i>For &gt;250 To 500, Deduct</i>	-33.20	
			<i>For &gt;500, Deduct</i>	-48.06	
26 51 19 00-0048	EA		4,300 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4) .....	388.40	46.14
			<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	36.75	
			<i>For &gt;50 To 100, Deduct</i>	-11.44	
			<i>For &gt;100 To 250, Deduct</i>	-21.15	
			<i>For &gt;250 To 500, Deduct</i>	-38.84	
			<i>For &gt;500, Deduct</i>	-56.53	
26 51 19 00-0049	EA		6,400 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4) .....	439.20	46.14
			<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	39.29	
			<i>For &gt;50 To 100, Deduct</i>	-12.71	
			<i>For &gt;100 To 250, Deduct</i>	-23.69	
			<i>For &gt;250 To 500, Deduct</i>	-43.92	
			<i>For &gt;500, Deduct</i>	-64.15	
26 51 19 00-0050			Architectural, Lay-In/Troffer LED Fixtures (CREE® CR Series) <small>(26 51 19 00-0045)</small>		
			Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and 20 gauge steel housing assembly. Excludes sensors.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0051	EA		1' x 4', 2,200 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™) <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	382.54 3.99 123.41 204.62 -11.30 -20.86 -38.25 -55.65	46.14
26 51 19 00-0052	EA		1' x 4', 3,100 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™) <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	412.44 3.99 123.41 204.62 -12.04 -22.35 -41.24 -60.13	46.14
26 51 19 00-0053	EA		1' x 4', 4,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™) <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	412.44 3.99 123.41 204.62 -12.04 -22.35 -41.24 -60.13	46.14
26 51 19 00-0054	EA		1' x 4', 5,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™) <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	456.57 3.99 123.41 204.62 -13.15 -24.56 -45.66 -66.75	46.14
26 51 19 00-0055	EA		2' x 2', 2,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR22™) Note: CCT 30K to 50K <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	355.72 3.99 107.80 192.68 -10.38 -19.27 -35.57 -51.87	39.60
26 51 19 00-0056	EA		2' x 2', 3,200 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR22™) Note: CCT 30K to 50K <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	335.62 3.99 107.80 192.68 -9.88 -18.27 -33.56 -48.86	39.60
26 51 19 00-0057	EA		2' x 4', 2,200 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™) Note: CCT 30K to 50K <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	399.13 3.99 126.25 223.13 -11.71 -21.69 -39.91 -58.14	46.14
26 51 19 00-0058	EA		2' x 4', 3,100 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™) Note: CCT 30K to 50K <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	412.44 3.99 126.25 223.13 -12.04 -22.35 -41.24 -60.13	46.14
26 51 19 00-0059	EA		2' x 4', 4,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™) Note: CCT 30K to 50K <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	412.44 3.99 126.25 223.13 -12.04 -22.35 -41.24 -60.13	46.14
26 51 19 00-0060	EA		2' x 4', 4,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24 LHE™) Note: CCT 30K to 50K <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	524.90 3.99 126.25 223.13 -14.86 -27.98 -52.49 -77.00	46.14

**26 Electrical**

**26 50 Lighting**

**26 51 Interior Lighting**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 51 19 00-0061	EA 2' x 4', 5,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™) Note: CCT 30K to 50K For Expanded Size Junction Box For Through Wiring, Add For Drywall Or Plaster Ceilings, Add For Surface Mount, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	456.57 3.99 126.25 223.13 -13.15 -24.56 -45.66 -66.75	46.14
26 51 19 00-0062	Architectural, Lay-In/Troffer LED Fixtures (Metalux®) <small>(26 51 19 00-0045)</small> Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and code gauge steel housing assembly. Excludes sensors.		
26 51 19 00-0063	EA 2' x 2', 2,500 Lumens, Architectural, Lay-In/Troffer LED Fixture (Metalux® Accord™ 2AC) For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	240.22 -7.49 -13.50 -24.02 -34.55	39.60
26 51 19 00-0064	EA 2' x 4', 4,700 Lumens, Architectural, Lay-In/Troffer LED Fixture (Metalux® Accord™ 2AC) For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	318.36 -9.69 -17.65 -31.84 -46.02	46.14
26 51 19 00-0065	Architectural, Lay-In/Troffer LED Fixtures (Finelite) <small>(26 51 19 00-0045)</small> Note: Includes 3,000K color temperature, 120/277 voltage and 20 gauge steel housing assembly. Excludes sensors.		
26 51 19 00-0066	EA 2' x 2', 4,301 Lumens, Architectural, Lay-In/Troffer LED Fixture (Finelite HPR LED A 2x2) For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	326.05 -9.64 -17.79 -32.61 -47.42	39.60
26 51 19 00-0067	EA 2' x 4', 4,671 Lumens, Architectural, Lay-In/Troffer LED Fixture (Finelite HPR LED A 2x2) For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	441.35 -12.77 -23.80 -44.14 -64.47	46.53
26 51 19 00-0068	Shadow Box Style, Lay-In/Troffer LED Fixtures <small>(26 51 19 00-0020)</small>		
26 51 19 00-0069	Shadow Box Style, Lay-In/Troffer LED Fixtures (Lithonia SBSL) <small>(26 51 19 00-0068)</small>		
26 51 19 00-0070	EA 2' x 2', 3,300 Lumens, Shadow Box Style, Lay-In/Troffer LED Fixture (Lithonia 2SBSL2) For Drywall Or Plaster Ceilings, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	514.91 26.73 -14.36 -27.23 -51.49 -75.75	39.60
26 51 19 00-0071	EA 2' x 4', 4,600 Lumens, Shadow Box Style, Lay-In/Troffer LED Fixture (Lithonia 2SBSL4) For Drywall Or Plaster Ceilings With Frame Kit, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	701.76 52.42 -19.28 -36.82 -70.18 -103.53	46.14
26 51 19 00-0072	Panel Type, Lay-In/Troffer LED Fixtures <small>(26 51 19 00-0020)</small>		
26 51 19 00-0073	Panel Type, Lay-In/Troffer LED Fixtures (PlanLED Galaxy) <small>(26 51 19 00-0072)</small>		
26 51 19 00-0074	EA 1' x 4', 3,100 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL140-34) For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	353.43 -10.57 -19.40 -35.34 -51.28	46.14
26 51 19 00-0075	EA 2' x 2', 3,100 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL220-34) For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	367.04 -10.91 -20.08 -36.70 -53.32	46.14
26 51 19 00-0076	EA 2' x 4', 4,000 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL240-40) For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	457.21 -13.16 -24.59 -45.72 -66.85	46.14
26 51 19 00-0077	EA 2' x 4', 5,000 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL240-52) For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	457.21 -13.16 -24.59 -45.72 -66.85	46.14
26 51 19 00-0078	Panel Type, Lay-In/Troffer LED Fixtures (Sylvania) <small>(26 51 19 00-0072)</small>		
26 51 19 00-0079	EA 1' x 4', 3,300 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/14G/WH) For Surface Mounting Kit (Sylvania SMK1T1A/14A/WH), Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	189.01 44.71 -6.46 -11.18 -18.90 -26.62	46.14



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0080	EA	2' x 2'	3,500 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/22G/WH).....	194.84	46.14
			<i>For &gt;50 To 100, Deduct</i>	-6.60	
			<i>For &gt;100 To 250, Deduct</i>	-11.47	
			<i>For &gt;250 To 500, Deduct</i>	-19.48	
			<i>For &gt;500, Deduct</i>	-27.49	
26 51 19 00-0081	EA	2' x 4'	3,300 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/24G/WH).....	197.51	46.14
			<i>For Surface Mounting Kit (Sylvania SMK1T1A/24A/WH)</i>	55.89	
			<i>For &gt;50 To 100, Deduct</i>	-6.67	
			<i>For &gt;100 To 250, Deduct</i>	-11.61	
			<i>For &gt;250 To 500, Deduct</i>	-19.75	
			<i>For &gt;500, Deduct</i>	-27.89	
26 51 19 00-0082	EA	2' x 4'	3,300 Lumens, 32 Watt, 3500K CCT, LED Edge Lite Panel With Kit (Sylvania PANELF1A/032UNVD835/24G/WH_SMKIT1A/24A/WH).....	449.40	46.14
			<i>For &gt;50 To 100, Deduct</i>	-12.97	
			<i>For &gt;100 To 250, Deduct</i>	-24.20	
			<i>For &gt;250 To 500, Deduct</i>	-44.94	
			<i>For &gt;500, Deduct</i>	-65.68	
<b>26 51 19 00-0083</b>			<b>Surface Mount LED Fixtures (26 51 19 00-0001)</b>		
<b>26 51 19 00-0084</b>			<b>Surface Mount, Volumetric LED Fixtures (Lithonia STL) (26 51 19 00-0083)</b>		
26 51 19 00-0085	EA	2' Length	2,200 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL2).....	290.29	29.70
			<i>For &gt;50 To 100, Deduct</i>	-8.37	
			<i>For &gt;100 To 250, Deduct</i>	-15.63	
			<i>For &gt;250 To 500, Deduct</i>	-29.03	
			<i>For &gt;500, Deduct</i>	-42.43	
26 51 19 00-0086	EA	4' Length	3,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL4).....	304.18	36.23
			<i>For &gt;50 To 100, Deduct</i>	-8.97	
			<i>For &gt;100 To 250, Deduct</i>	-16.57	
			<i>For &gt;250 To 500, Deduct</i>	-30.42	
			<i>For &gt;500, Deduct</i>	-44.27	
26 51 19 00-0087	EA	4' Length	4,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL4).....	294.24	36.23
			<i>For &gt;50 To 100, Deduct</i>	-8.72	
			<i>For &gt;100 To 250, Deduct</i>	-16.07	
			<i>For &gt;250 To 500, Deduct</i>	-29.42	
			<i>For &gt;500, Deduct</i>	-42.77	
<b>26 51 19 00-0088</b>			<b>Surface Mount, Wraparound LED Fixtures (Lithonia LBL) (26 51 19 00-0083)</b>		
26 51 19 00-0089	EA	2' Length	2,000 Lumens, Surface Mount, Wraparound LED Fixture (Lithonia LBL2).....	224.52	29.70
			<i>For &gt;50 To 100, Deduct</i>	-6.73	
			<i>For &gt;100 To 250, Deduct</i>	-12.34	
			<i>For &gt;250 To 500, Deduct</i>	-22.45	
			<i>For &gt;500, Deduct</i>	-32.56	
26 51 19 00-0090	EA	4' Length	4,000 Lumens, Surface Mount, Wraparound LED Fixture (Lithonia LBL4).....	294.51	36.23
			<i>For &gt;50 To 100, Deduct</i>	-8.72	
			<i>For &gt;100 To 250, Deduct</i>	-16.09	
			<i>For &gt;250 To 500, Deduct</i>	-29.45	
			<i>For &gt;500, Deduct</i>	-42.82	
<b>26 51 19 00-0091</b>			<b>Surface Mount, Shadow Box Style LED Fixtures (26 51 19 00-0083)</b>		
<b>26 51 19 00-0092</b>			<b>Surface Mount, Shadow Box Style LED Fixtures (Lithonia SBSLX) (26 51 19 00-0091)</b>		
26 51 19 00-0093	EA	2' x 2'	3,300 Lumens, Surface Mount, Shadow Box Style LED Fixture (Lithonia 2SBSLX2).....	659.52	39.60
			<i>For &gt;50 To 100, Deduct</i>	-17.97	
			<i>For &gt;100 To 250, Deduct</i>	-34.46	
			<i>For &gt;250 To 500, Deduct</i>	-65.95	
			<i>For &gt;500, Deduct</i>	-97.44	
26 51 19 00-0094	EA	2' x 4'	4,600 Lumens, Surface Mount, Shadow Box Style LED Fixture (Lithonia 2SBSLX4).....	846.37	46.14
			<i>For &gt;50 To 100, Deduct</i>	-22.89	
			<i>For &gt;100 To 250, Deduct</i>	-44.05	
			<i>For &gt;250 To 500, Deduct</i>	-84.64	
			<i>For &gt;500, Deduct</i>	-125.22	
<b>26 51 19 00-0095</b>			<b>Surface Mount, Low Profile Fixtures (26 51 19 00-0083)</b>		
26 51 19 00-0096	EA	6" Diameter	993 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 8538-90).....	91.23	27.15
			<i>For &gt;50 To 100, Deduct</i>	-3.64	
			<i>For &gt;100 To 250, Deduct</i>	-5.92	
			<i>For &gt;250 To 500, Deduct</i>	-9.12	
			<i>For &gt;500, Deduct</i>	-12.33	
26 51 19 00-0097	EA	6" Diameter	1,215 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 8569).....	75.19	27.15
			<i>For &gt;50 To 100, Deduct</i>	-3.24	
			<i>For &gt;100 To 250, Deduct</i>	-5.12	
			<i>For &gt;250 To 500, Deduct</i>	-7.52	
			<i>For &gt;500, Deduct</i>	-9.92	
26 51 19 00-0098	EA	13" Diameter	1,400 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 4329).....	124.92	27.15
			<i>For &gt;50 To 100, Deduct</i>	-4.48	
			<i>For &gt;100 To 250, Deduct</i>	-7.60	
			<i>For &gt;250 To 500, Deduct</i>	-12.49	
			<i>For &gt;500, Deduct</i>	-17.38	
26 51 19 00-0099	EA	15" Diameter	2,100 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting 4330).....	150.59	27.15
			<i>For &gt;50 To 100, Deduct</i>	-5.12	
			<i>For &gt;100 To 250, Deduct</i>	-8.89	
			<i>For &gt;250 To 500, Deduct</i>	-15.06	
			<i>For &gt;500, Deduct</i>	-21.23	

**26 Electrical**

**26 50 Lighting**

**26 51 Interior Lighting**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 51 19 00-0100	Recessed LED Downlights <small>(26 51 19 00-0001)</small>		
26 51 19 00-0101	Recessed LED Downlights <small>(26 51 19 00-0100)</small>		
26 51 19 00-0102	Recessed LED Downlights (Lithonia) <small>(26 51 19 00-0101)</small> Note: Includes housing and trim.		
26 51 19 00-0103	EA 8" Diameter, 1,200 Lumens, Recessed LED Downlight With Open Trim (Lithonia DOM8 LED).....	331.93	47.69
	For Dimming Driver And Sensor Switch nLight Dimming Relay, Add	69.22	
	For >50 To 100, Deduct	-10.09	
	For >100 To 250, Deduct	-18.38	
	For >250 To 500, Deduct	-33.19	
	For >500, Deduct	-48.00	
26 51 19 00-0104	EA 8" Diameter, 1,500 Lumens, Recessed LED Downlight With Open Trim (Lithonia DOM8 LED).....	360.15	47.69
	For Dimming Driver And Sensor Switch nLight Dimming Relay, Add	69.22	
	For >50 To 100, Deduct	-10.79	
	For >100 To 250, Deduct	-19.80	
	For >250 To 500, Deduct	-36.02	
	For >500, Deduct	-52.23	
26 51 19 00-0105	Recessed LED Downlights (Portfolio®) <small>(26 51 19 00-0101)</small> Note: Includes housing and trim.		
26 51 19 00-0106	EA 4" Diameter, 1,300 Lumens, Recessed LED Downlight With Open Trim (Portfolio® LD413) .....	211.91	47.69
	For >50 To 100, Deduct	-7.09	
	For >100 To 250, Deduct	-12.38	
	For >250 To 500, Deduct	-21.19	
	For >500, Deduct	-30.00	
26 51 19 00-0107	Recessed LED Downlights (Gotham® EVO®) <small>(26 51 19 00-0101)</small> Note: Includes housing and trim.		
26 51 19 00-0108	EA 6" Diameter, 1,800 Lumens, Recessed LED Downlight With Open Trim (Gotham® EVO® ALED).....	246.38	47.69
	For >50 To 100, Deduct	-7.95	
	For >100 To 250, Deduct	-14.11	
	For >250 To 500, Deduct	-24.64	
	For >500, Deduct	-35.17	
26 51 19 00-0109	EA 6" Diameter, 1,800 Lumens, Recessed LED Shower Downlight With Non-Conductive Regressed Lens (Gotham® EVO® ALED).....	253.82	47.69
	For >50 To 100, Deduct	-8.13	
	For >100 To 250, Deduct	-14.48	
	For >250 To 500, Deduct	-25.38	
	For >500, Deduct	-36.28	
26 51 19 00-0110	EA 6" Diameter, 1,800 Lumens, Recessed LED Wallwash Downlight With Specular Reflector Trim (Gotham® EVO® DLWLED) .....	284.35	47.69
	For >50 To 100, Deduct	-8.90	
	For >100 To 250, Deduct	-16.01	
	For >250 To 500, Deduct	-28.44	
	For >500, Deduct	-40.86	
26 51 19 00-0111	EA 6" Diameter, 1,800 Lumens, Decorative Recessed LED Downlight With Glass Drop Luminous Ring (Gotham® EVO® ALED).....	287.34	47.69
	For >50 To 100, Deduct	-8.97	
	For >100 To 250, Deduct	-16.16	
	For >250 To 500, Deduct	-28.73	
	For >500, Deduct	-41.31	
26 51 19 00-0112	EA 6" Diameter, 1,800 Lumens, Vandal Resistant, Recessed LED Downlight With Tempered Prismatic Lens (Gotham® EVO® VRALED) .....	313.39	47.69
	For >50 To 100, Deduct	-9.62	
	For >100 To 250, Deduct	-17.46	
	For >250 To 500, Deduct	-31.34	
	For >500, Deduct	-45.22	
26 51 19 00-0113	Recessed LED Downlights (Lightolier) <small>(26 51 19 00-0101)</small> Note: Includes housing and trim.		
26 51 19 00-0114	EA 4" Diameter, 500 Lumens, Recessed LED Downlight With Open Trim (Lightolier C4L05DL).....	495.21	47.69
	For >50 To 100, Deduct	-14.17	
	For >100 To 250, Deduct	-26.55	
	For >250 To 500, Deduct	-49.52	
	For >500, Deduct	-72.49	
26 51 19 00-0115	EA 4" Diameter, 1,000 Lumens, Recessed LED Downlight With Open Trim (Lightolier C4L10DL).....	580.16	47.69
	For >50 To 100, Deduct	-16.29	
	For >100 To 250, Deduct	-30.80	
	For >250 To 500, Deduct	-58.02	
	For >500, Deduct	-85.24	
26 51 19 00-0116	EA 6" Diameter, 1,500 Lumens, Recessed LED Downlight With Open Trim (Lightolier C6L1520DL).....	622.54	47.69
	For >50 To 100, Deduct	-17.35	
	For >100 To 250, Deduct	-32.92	
	For >250 To 500, Deduct	-62.25	
	For >500, Deduct	-91.59	
26 51 19 00-0117	EA 6" Diameter, 2,000 Lumens, Recessed LED Downlight With Open Trim (Lightolier C6L1520DL).....	622.54	47.69
	For >50 To 100, Deduct	-17.35	
	For >100 To 250, Deduct	-32.92	
	For >250 To 500, Deduct	-62.25	
	For >500, Deduct	-91.59	
26 51 19 00-0118	EA 7" Diameter, 1,500 Lumens, Recessed LED Downlight With Open Trim (Lightolier C7L1520DL).....	643.82	47.69
	For >50 To 100, Deduct	-17.88	
	For >100 To 250, Deduct	-33.98	
	For >250 To 500, Deduct	-64.38	
	For >500, Deduct	-94.78	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0119	EA		7" Diameter, 2,000 Lumens, Recessed LED Downlight With Open Trim (Lightolier C7L1520DL).....	665.12	47.69
			<i>For &gt;50 To 100, Deduct</i>	-18.42	
			<i>For &gt;100 To 250, Deduct</i>	-35.04	
			<i>For &gt;250 To 500, Deduct</i>	-66.51	
			<i>For &gt;500, Deduct</i>	-97.98	
<b>26 51 19 00-0120</b>			<b>Recessed LED Downlights (Cooper)</b> <small>(26 51 19 00-0101)</small>		
26 51 19 00-0121	EA		600 Lumens, 2700K CCT, LED Downlight (Cooper Halo ML5606827) .....	143.63	47.69
			<i>For &gt;50 To 100, Deduct</i>	-5.38	
			<i>For &gt;100 To 250, Deduct</i>	-8.97	
			<i>For &gt;250 To 500, Deduct</i>	-14.36	
			<i>For &gt;500, Deduct</i>	-19.76	
26 51 19 00-0122	EA		600 Lumens, 3000K CCT, LED Downlight (Cooper Halo ML5606830) .....	143.63	47.69
			<i>For &gt;50 To 100, Deduct</i>	-5.38	
			<i>For &gt;100 To 250, Deduct</i>	-8.97	
			<i>For &gt;250 To 500, Deduct</i>	-14.36	
			<i>For &gt;500, Deduct</i>	-19.76	
26 51 19 00-0123	EA		600 Lumens, 3500K CCT, LED Downlight (Cooper Halo ML5606835) .....	143.63	47.69
			<i>For &gt;50 To 100, Deduct</i>	-5.38	
			<i>For &gt;100 To 250, Deduct</i>	-8.97	
			<i>For &gt;250 To 500, Deduct</i>	-14.36	
			<i>For &gt;500, Deduct</i>	-19.76	
26 51 19 00-0124	EA		600 Lumens, 4000K CCT, LED Downlight (Cooper Halo ML5606840) .....	143.63	47.69
			<i>For &gt;50 To 100, Deduct</i>	-5.38	
			<i>For &gt;100 To 250, Deduct</i>	-8.97	
			<i>For &gt;250 To 500, Deduct</i>	-14.36	
			<i>For &gt;500, Deduct</i>	-19.76	
26 51 19 00-0125	EA		900 Lumens, 2700K CCT, LED Downlight (Cooper Halo ML5609827) .....	146.32	47.69
			<i>For &gt;50 To 100, Deduct</i>	-5.45	
			<i>For &gt;100 To 250, Deduct</i>	-9.10	
			<i>For &gt;250 To 500, Deduct</i>	-14.63	
			<i>For &gt;500, Deduct</i>	-20.16	
26 51 19 00-0126	EA		900 Lumens, 3000K CCT, LED Downlight (Cooper Halo ML5609830) .....	146.32	47.69
			<i>For &gt;50 To 100, Deduct</i>	-5.45	
			<i>For &gt;100 To 250, Deduct</i>	-9.10	
			<i>For &gt;250 To 500, Deduct</i>	-14.63	
			<i>For &gt;500, Deduct</i>	-20.16	
26 51 19 00-0127	EA		900 Lumens, 3500K CCT, LED Downlight (Cooper Halo ML5609835) .....	146.32	47.69
			<i>For &gt;50 To 100, Deduct</i>	-5.45	
			<i>For &gt;100 To 250, Deduct</i>	-9.10	
			<i>For &gt;250 To 500, Deduct</i>	-14.63	
			<i>For &gt;500, Deduct</i>	-20.16	
26 51 19 00-0128	EA		900 Lumens, 4000K CCT, LED Downlight (Cooper Halo ML5609840) .....	146.32	47.69
			<i>For &gt;50 To 100, Deduct</i>	-5.45	
			<i>For &gt;100 To 250, Deduct</i>	-9.10	
			<i>For &gt;250 To 500, Deduct</i>	-14.63	
			<i>For &gt;500, Deduct</i>	-20.16	
26 51 19 00-0129	EA		1,200 Lumens, 2700K CCT, LED Downlight (Cooper Halo ML5612827) .....	182.73	47.69
			<i>For &gt;50 To 100, Deduct</i>	-6.36	
			<i>For &gt;100 To 250, Deduct</i>	-10.92	
			<i>For &gt;250 To 500, Deduct</i>	-18.27	
			<i>For &gt;500, Deduct</i>	-25.62	
26 51 19 00-0130	EA		1,200 Lumens, 3000K CCT, LED Downlight (Cooper Halo ML5612830) .....	180.88	47.69
			<i>For &gt;50 To 100, Deduct</i>	-6.31	
			<i>For &gt;100 To 250, Deduct</i>	-10.83	
			<i>For &gt;250 To 500, Deduct</i>	-18.09	
			<i>For &gt;500, Deduct</i>	-25.34	
26 51 19 00-0131	EA		1,200 Lumens, 3500K CCT, LED Downlight (Cooper Halo ML5612835) .....	180.88	47.69
			<i>For &gt;50 To 100, Deduct</i>	-6.31	
			<i>For &gt;100 To 250, Deduct</i>	-10.83	
			<i>For &gt;250 To 500, Deduct</i>	-18.09	
			<i>For &gt;500, Deduct</i>	-25.34	
26 51 19 00-0132	EA		1,200 Lumens, 4000K CCT, LED Downlight (Cooper Halo ML5612840) .....	180.88	47.69
			<i>For &gt;50 To 100, Deduct</i>	-6.31	
			<i>For &gt;100 To 250, Deduct</i>	-10.83	
			<i>For &gt;250 To 500, Deduct</i>	-18.09	
			<i>For &gt;500, Deduct</i>	-25.34	
26 51 19 00-0133	EA		5" LED Trim, Polymer "Dead-Front", Shallow White Baffle And Flange (Cooper Halo 591WB).....	87.54	15.17
			<i>For &gt;50 To 100, Deduct</i>	-2.76	
			<i>For &gt;100 To 250, Deduct</i>	-4.95	
			<i>For &gt;250 To 500, Deduct</i>	-8.75	
			<i>For &gt;500, Deduct</i>	-12.56	
26 51 19 00-0134	EA		5" LED Trim, Specular Reflector And White Flange (Cooper Halo 592SC) .....	54.22	15.17
			<i>For &gt;50 To 100, Deduct</i>	-1.92	
			<i>For &gt;100 To 250, Deduct</i>	-3.28	
			<i>For &gt;250 To 500, Deduct</i>	-5.42	
			<i>For &gt;500, Deduct</i>	-7.56	
26 51 19 00-0135	EA		5" LED Trim, Haze Reflector And White Flange (Cooper Halo 592H) .....	68.56	15.17
			<i>For &gt;50 To 100, Deduct</i>	-2.28	
			<i>For &gt;100 To 250, Deduct</i>	-4.00	
			<i>For &gt;250 To 500, Deduct</i>	-6.86	
			<i>For &gt;500, Deduct</i>	-9.72	
26 51 19 00-0136	EA		5" LED Trim, White Reflector And Flange (Cooper Halo 592W).....	57.11	15.17
			<i>For &gt;50 To 100, Deduct</i>	-2.00	
			<i>For &gt;100 To 250, Deduct</i>	-3.42	
			<i>For &gt;250 To 500, Deduct</i>	-5.71	
			<i>For &gt;500, Deduct</i>	-8.00	

**26 Electrical**

**26 50 Lighting**

**26 51 Interior Lighting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	19 00-0137	EA	5" LED Trim, White Micro-Step Baffle And Flange (Cooper Halo 593WB).....	45.39	15.17
			For >50 To 100, Deduct	-1.70	
			For >100 To 250, Deduct	-2.84	
			For >250 To 500, Deduct	-4.54	
			For >500, Deduct	-6.24	
26 51	19 00-0138	EA	5" LED Trim, Black Micro-Step Baffle And White Flange (Cooper Halo 593BB).....	56.59	15.17
			For >50 To 100, Deduct	-1.98	
			For >100 To 250, Deduct	-3.40	
			For >250 To 500, Deduct	-5.66	
			For >500, Deduct	-7.92	
26 51	19 00-0139	EA	5" LED Trim, Satin Nickel Micro-Step Baffle And Flange (Cooper Halo 593SNB) .....	63.41	15.17
			For >50 To 100, Deduct	-2.15	
			For >100 To 250, Deduct	-3.74	
			For >250 To 500, Deduct	-6.34	
			For >500, Deduct	-8.94	
26 51	19 00-0140	EA	5" LED Trim, Tuscan Bronze Micro-Step Baffle And Flange (Cooper Halo 593TBZB) .....	69.49	15.17
			For >50 To 100, Deduct	-2.31	
			For >100 To 250, Deduct	-4.04	
			For >250 To 500, Deduct	-6.95	
			For >500, Deduct	-9.85	
26 51	19 00-0141	EA	5" LED Directional Trim, White eyeball, Baffle And Flange (Cooper Halo 594WB).....	81.37	15.17
			For >50 To 100, Deduct	-2.60	
			For >100 To 250, Deduct	-4.64	
			For >250 To 500, Deduct	-8.14	
			For >500, Deduct	-11.64	
26 51	19 00-0142	EA	5" LED Directional Trim, Satin Nickel eyeball, Baffle And Flange (Cooper Halo 594SNB) .....	81.75	15.17
			For >50 To 100, Deduct	-2.61	
			For >100 To 250, Deduct	-4.66	
			For >250 To 500, Deduct	-8.18	
			For >500, Deduct	-11.69	
26 51	19 00-0143	EA	5" LED Directional Trim, Tuscan Bronze eyeball, Baffle And Flange (Cooper Halo 594TBZB) .....	80.05	15.17
			For >50 To 100, Deduct	-2.57	
			For >100 To 250, Deduct	-4.57	
			For >250 To 500, Deduct	-8.01	
			For >500, Deduct	-11.44	
26 51	19 00-0144	EA	5" LED Trim, Wall Wash - Specular reflector, repositionable Specular kick reflector, White Flange (Cooper Halo 595WW).....	99.53	15.17
			For >50 To 100, Deduct	-3.06	
			For >100 To 250, Deduct	-5.55	
			For >250 To 500, Deduct	-9.95	
			For >500, Deduct	-14.36	
26 51	19 00-0145	EA	5" LED Trim, White Shallow Baffle And Flange (Cooper Halo 596WB) .....	45.81	15.17
			For >50 To 100, Deduct	-1.71	
			For >100 To 250, Deduct	-2.86	
			For >250 To 500, Deduct	-4.58	
			For >500, Deduct	-6.30	
26 51	19 00-0146	EA	6" LED Trim, Polymer "Dead-Front", White Shallow Baffle And Flange (Cooper Halo 691WB).....	84.69	15.17
			For >50 To 100, Deduct	-2.69	
			For >100 To 250, Deduct	-4.80	
			For >250 To 500, Deduct	-8.47	
			For >500, Deduct	-12.13	
26 51	19 00-0147	EA	6" LED Trim, Specular Reflector And White Flange (Cooper Halo 692SC) .....	71.58	15.17
			For >50 To 100, Deduct	-2.36	
			For >100 To 250, Deduct	-4.15	
			For >250 To 500, Deduct	-7.16	
			For >500, Deduct	-10.17	
26 51	19 00-0148	EA	6" LED Trim, Haze Reflector And White Flange (Cooper Halo 692H) .....	66.98	15.17
			For >50 To 100, Deduct	-2.24	
			For >100 To 250, Deduct	-3.92	
			For >250 To 500, Deduct	-6.70	
			For >500, Deduct	-9.48	
26 51	19 00-0149	EA	6" LED Trim, White Reflector And Flange (Cooper Halo 692W) .....	59.40	15.17
			For >50 To 100, Deduct	-2.05	
			For >100 To 250, Deduct	-3.54	
			For >250 To 500, Deduct	-5.94	
			For >500, Deduct	-8.34	
26 51	19 00-0150	EA	6" LED Trim, White Micro-Step Baffle And Flange (Cooper Halo 693WB).....	59.94	15.17
			For >50 To 100, Deduct	-2.07	
			For >100 To 250, Deduct	-3.57	
			For >250 To 500, Deduct	-5.99	
			For >500, Deduct	-8.42	
26 51	19 00-0151	EA	6" LED Trim, Black Micro-Step Baffle And White Flange (Cooper Halo 693BB).....	64.81	15.17
			For >50 To 100, Deduct	-2.19	
			For >100 To 250, Deduct	-3.81	
			For >250 To 500, Deduct	-6.48	
			For >500, Deduct	-9.15	
26 51	19 00-0152	EA	6" LED Trim, Satin Nickel Micro-Step Baffle And Flange (Cooper Halo 693SNB) .....	59.10	15.17
			For >50 To 100, Deduct	-2.05	
			For >100 To 250, Deduct	-3.52	
			For >250 To 500, Deduct	-5.91	
			For >500, Deduct	-8.30	
26 51	19 00-0153	EA	6" LED Trim, Tuscan Bronze Micro-Step Baffle And Flange (Cooper Halo 693TBZB) .....	74.62	15.17
			For >50 To 100, Deduct	-2.43	
			For >100 To 250, Deduct	-4.30	
			For >250 To 500, Deduct	-7.46	
			For >500, Deduct	-10.62	
26 51	19 00-0154	EA	6" LED Directional Trim, White eyeball, Baffle And Flange (Cooper Halo 694WB).....	81.17	15.17
			For >50 To 100, Deduct	-2.60	
			For >100 To 250, Deduct	-4.63	
			For >250 To 500, Deduct	-8.12	
			For >500, Deduct	-11.61	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	19 00-0155	EA		6" LED Directional Trim, Satin Nickel eyeball, Baffle And Flange (Cooper Halo 694SNB) .....	102.94	15.17
				<i>For &gt;50 To 100, Deduct</i>	-3.14	
				<i>For &gt;100 To 250, Deduct</i>	-5.72	
				<i>For &gt;250 To 500, Deduct</i>	-10.29	
				<i>For &gt;500, Deduct</i>	-14.87	
26 51	19 00-0156	EA		6" LED Directional Trim, Tuscan Bronze eyeball, Baffle And Flange (Cooper Halo 694TBZB) .....	100.21	15.17
				<i>For &gt;50 To 100, Deduct</i>	-3.07	
				<i>For &gt;100 To 250, Deduct</i>	-5.58	
				<i>For &gt;250 To 500, Deduct</i>	-10.02	
				<i>For &gt;500, Deduct</i>	-14.46	
26 51	19 00-0157	EA		6" LED Trim, Wall Wash - Specular reflector, repositionable Specular kick reflector, White Flange (Cooper Halo 695WW).....	101.41	15.17
				<i>For &gt;50 To 100, Deduct</i>	-3.10	
				<i>For &gt;100 To 250, Deduct</i>	-5.64	
				<i>For &gt;250 To 500, Deduct</i>	-10.14	
				<i>For &gt;500, Deduct</i>	-14.64	
26 51	19 00-0158	EA		6" LED Trim, White Shallow Baffle And Flange (Cooper Halo 696WB) .....	60.60	15.17
				<i>For &gt;50 To 100, Deduct</i>	-2.08	
				<i>For &gt;100 To 250, Deduct</i>	-3.60	
				<i>For &gt;250 To 500, Deduct</i>	-6.06	
				<i>For &gt;500, Deduct</i>	-8.52	
26 51	19 00-0159	EA		6" LED, Insulated Ceiling, Air-Tite, New Construction Housing (Cooper Halo H750ICAT) .....	54.62	32.51
				<i>For &gt;50 To 100, Deduct</i>	-2.58	
				<i>For &gt;100 To 250, Deduct</i>	-3.95	
				<i>For &gt;250 To 500, Deduct</i>	-5.46	
				<i>For &gt;500, Deduct</i>	-6.97	
26 51	19 00-0160	EA		6" LED, Insulated Ceiling, Air-Tite, Remodel Housing (Cooper Halo H750RICAT) .....	59.95	32.51
				<i>For &gt;50 To 100, Deduct</i>	-2.72	
				<i>For &gt;100 To 250, Deduct</i>	-4.22	
				<i>For &gt;250 To 500, Deduct</i>	-6.00	
				<i>For &gt;500, Deduct</i>	-7.77	
26 51	19 00-0161	EA		6" LED, Non-IC, Air-Tite, New Construction Housing (Cooper Halo H750T) .....	57.82	32.51
				<i>For &gt;50 To 100, Deduct</i>	-2.66	
				<i>For &gt;100 To 250, Deduct</i>	-4.11	
				<i>For &gt;250 To 500, Deduct</i>	-5.78	
				<i>For &gt;500, Deduct</i>	-7.45	
26 51	19 00-0162	EA		6" LED, Non-IC, New Construction/Remodel Chicago Plenum Housing (Cooper Halo H750TCP) .....	78.83	32.51
				<i>For &gt;50 To 100, Deduct</i>	-3.19	
				<i>For &gt;100 To 250, Deduct</i>	-5.16	
				<i>For &gt;250 To 500, Deduct</i>	-7.88	
				<i>For &gt;500, Deduct</i>	-10.61	
26 51	19 00-0163	EA		6" LED, Shallow, Insulated Ceiling, Air-Tite, New Constr. (Cooper Halo H2750ICAT) .....	76.36	32.51
				<i>For &gt;50 To 100, Deduct</i>	-3.13	
				<i>For &gt;100 To 250, Deduct</i>	-5.04	
				<i>For &gt;250 To 500, Deduct</i>	-7.64	
				<i>For &gt;500, Deduct</i>	-10.23	
26 51	19 00-0164	EA		6" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo H7ICAT).....	60.68	32.51
				<i>For &gt;50 To 100, Deduct</i>	-2.74	
				<i>For &gt;100 To 250, Deduct</i>	-4.25	
				<i>For &gt;250 To 500, Deduct</i>	-6.07	
				<i>For &gt;500, Deduct</i>	-7.88	
26 51	19 00-0165	EA		6" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H7RICAT) .....	64.27	32.51
				<i>For &gt;50 To 100, Deduct</i>	-2.83	
				<i>For &gt;100 To 250, Deduct</i>	-4.43	
				<i>For &gt;250 To 500, Deduct</i>	-6.43	
				<i>For &gt;500, Deduct</i>	-8.42	
26 51	19 00-0166	EA		6" Insulated Ceiling, New Construction Housing (Cooper Halo H7ICT).....	59.93	32.51
				<i>For &gt;50 To 100, Deduct</i>	-2.72	
				<i>For &gt;100 To 250, Deduct</i>	-4.22	
				<i>For &gt;250 To 500, Deduct</i>	-5.99	
				<i>For &gt;500, Deduct</i>	-7.77	
26 51	19 00-0167	EA		6" Insulated Ceiling, Remodel Housing (Cooper Halo H7RICT) .....	63.86	32.51
				<i>For &gt;50 To 100, Deduct</i>	-2.82	
				<i>For &gt;100 To 250, Deduct</i>	-4.41	
				<i>For &gt;250 To 500, Deduct</i>	-6.39	
				<i>For &gt;500, Deduct</i>	-8.36	
26 51	19 00-0168	EA		6" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket (Cooper Halo H7ICATNB) .....	60.58	32.51
				<i>For &gt;50 To 100, Deduct</i>	-2.73	
				<i>For &gt;100 To 250, Deduct</i>	-4.25	
				<i>For &gt;250 To 500, Deduct</i>	-6.06	
				<i>For &gt;500, Deduct</i>	-7.87	
26 51	19 00-0169	EA		6" Insulated Ceiling, New Construction Housing, No Socket Bracket (Cooper Halo H7ICTNB) .....	60.22	32.51
				<i>For &gt;50 To 100, Deduct</i>	-2.72	
				<i>For &gt;100 To 250, Deduct</i>	-4.23	
				<i>For &gt;250 To 500, Deduct</i>	-6.02	
				<i>For &gt;500, Deduct</i>	-7.81	
26 51	19 00-0170	EA		6" Non-IC, New Construction Housing (Cooper Halo H7T) .....	63.05	32.51
				<i>For &gt;50 To 100, Deduct</i>	-2.80	
				<i>For &gt;100 To 250, Deduct</i>	-4.37	
				<i>For &gt;250 To 500, Deduct</i>	-6.31	
				<i>For &gt;500, Deduct</i>	-8.24	
26 51	19 00-0171	EA		6" Non-IC, Remodel Housing (Cooper Halo H7RT).....	64.59	32.51
				<i>For &gt;50 To 100, Deduct</i>	-2.83	
				<i>For &gt;100 To 250, Deduct</i>	-4.45	
				<i>For &gt;250 To 500, Deduct</i>	-6.46	
				<i>For &gt;500, Deduct</i>	-8.47	
26 51	19 00-0172	EA		6" Non-IC, New Construction Housing, No Socket Bracket (Cooper Halo H7TNB).....	65.08	32.51
				<i>For &gt;50 To 100, Deduct</i>	-2.85	
				<i>For &gt;100 To 250, Deduct</i>	-4.47	
				<i>For &gt;250 To 500, Deduct</i>	-6.51	
				<i>For &gt;500, Deduct</i>	-8.54	

**26 Electrical**

**26 50 Lighting**

**26 51 Interior Lighting**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 51 19 00-0173	EA 6" Non-IC, Chicago Plenum, New Construction/Remodel Housing (Cooper Halo H7TCP).....	88.88	32.51
	For >50 To 100, Deduct	-3.44	
	For >100 To 250, Deduct	-5.66	
	For >250 To 500, Deduct	-8.89	
	For >500, Deduct	-12.11	
26 51 19 00-0174	EA 6" Insulated Ceiling, Universal New Construction Housing (Cooper Halo H7UICT) .....	82.90	32.51
	For >50 To 100, Deduct	-3.29	
	For >100 To 250, Deduct	-5.36	
	For >250 To 500, Deduct	-8.29	
	For >500, Deduct	-11.22	
26 51 19 00-0175	EA 6" Insulated Ceiling, Universal, Air-Tite, New Construction Housing (Cooper Halo H7UICAT) .....	83.59	32.51
	For >50 To 100, Deduct	-3.31	
	For >100 To 250, Deduct	-5.40	
	For >250 To 500, Deduct	-8.36	
	For >500, Deduct	-11.32	
26 51 19 00-0176	EA 6" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo EI700AT).....	87.59	32.51
	For >50 To 100, Deduct	-3.41	
	For >100 To 250, Deduct	-5.60	
	For >250 To 500, Deduct	-8.76	
	For >500, Deduct	-11.92	
26 51 19 00-0177	EA 6" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI700RAT).....	87.59	32.51
	For >50 To 100, Deduct	-3.41	
	For >100 To 250, Deduct	-5.60	
	For >250 To 500, Deduct	-8.76	
	For >500, Deduct	-11.92	
26 51 19 00-0178	EA 6" Insulated Ceiling, New Construction Housing (Cooper Halo EI700).....	87.59	32.51
	For >50 To 100, Deduct	-3.41	
	For >100 To 250, Deduct	-5.60	
	For >250 To 500, Deduct	-8.76	
	For >500, Deduct	-11.92	
26 51 19 00-0179	EA 6" Insulated Ceiling, Remodel Housing (Cooper Halo EI700R).....	87.59	32.51
	For >50 To 100, Deduct	-3.41	
	For >100 To 250, Deduct	-5.60	
	For >250 To 500, Deduct	-8.76	
	For >500, Deduct	-11.92	
26 51 19 00-0180	EA 6" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket (Cooper Halo EI700ATNB) .....	87.59	32.51
	For >50 To 100, Deduct	-3.41	
	For >100 To 250, Deduct	-5.60	
	For >250 To 500, Deduct	-8.76	
	For >500, Deduct	-11.92	
26 51 19 00-0181	EA 6" Insulated Ceiling, New Construction Housing, No Socket Bracket (Cooper Halo EI700NB).....	77.14	32.51
	For >50 To 100, Deduct	-3.15	
	For >100 To 250, Deduct	-5.08	
	For >250 To 500, Deduct	-7.71	
	For >500, Deduct	-10.35	
26 51 19 00-0182	EA 6" Insulated Ceiling, Universal New Construction Housing (Cooper Halo EI700U) .....	77.14	32.51
	For >50 To 100, Deduct	-3.15	
	For >100 To 250, Deduct	-5.08	
	For >250 To 500, Deduct	-7.71	
	For >500, Deduct	-10.35	
26 51 19 00-0183	EA 6" Insulated Ceiling, Universal, Air-Tite, New Construction Housing (Cooper Halo EI700UAT) .....	77.14	32.51
	For >50 To 100, Deduct	-3.15	
	For >100 To 250, Deduct	-5.08	
	For >250 To 500, Deduct	-7.71	
	For >500, Deduct	-10.35	
26 51 19 00-0184	EA 6" Non-IC, New Construction Housing (Cooper Halo ET700).....	77.14	32.51
	For >50 To 100, Deduct	-3.15	
	For >100 To 250, Deduct	-5.08	
	For >250 To 500, Deduct	-7.71	
	For >500, Deduct	-10.35	
26 51 19 00-0185	EA 6" Non-IC, Remodel Housing (Cooper Halo ET700R).....	77.14	32.51
	For >50 To 100, Deduct	-3.15	
	For >100 To 250, Deduct	-5.08	
	For >250 To 500, Deduct	-7.71	
	For >500, Deduct	-10.35	
26 51 19 00-0186	EA 6" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo H27ICAT).....	77.91	32.51
	For >50 To 100, Deduct	-3.17	
	For >100 To 250, Deduct	-5.11	
	For >250 To 500, Deduct	-7.79	
	For >500, Deduct	-10.47	
26 51 19 00-0187	EA 6" Shallow, Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H27RICAT).....	89.64	32.51
	For >50 To 100, Deduct	-3.46	
	For >100 To 250, Deduct	-5.70	
	For >250 To 500, Deduct	-8.96	
	For >500, Deduct	-12.23	
26 51 19 00-0188	EA 6" Shallow, Insulated Ceiling, New Construction Housing (Cooper Halo H27ICT) .....	77.91	32.51
	For >50 To 100, Deduct	-3.17	
	For >100 To 250, Deduct	-5.11	
	For >250 To 500, Deduct	-7.79	
	For >500, Deduct	-10.47	
26 51 19 00-0189	EA 6" Shallow, Insulated Ceiling, Remodel Housing (Cooper Halo H27RICT).....	86.32	32.51
	For >50 To 100, Deduct	-3.38	
	For >100 To 250, Deduct	-5.54	
	For >250 To 500, Deduct	-8.63	
	For >500, Deduct	-11.73	
26 51 19 00-0190	EA 6" Shallow, Non-IC, New Construction Housing (Cooper Halo H27T).....	73.15	32.51
	For >50 To 100, Deduct	-3.05	
	For >100 To 250, Deduct	-4.88	
	For >250 To 500, Deduct	-7.32	
	For >500, Deduct	-9.75	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 51 19 00-0191	EA	6" Shallow, Non-IC, Remodel Housing (Cooper Halo H27RT) .....	74.31		32.51
		<i>For &gt;50 To 100, Deduct</i>	-3.08		
		<i>For &gt;100 To 250, Deduct</i>	-4.93		
		<i>For &gt;250 To 500, Deduct</i>	-7.43		
		<i>For &gt;500, Deduct</i>	-9.93		
26 51 19 00-0192	EA	6" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo EI2700AT) .....	82.51		32.51
		<i>For &gt;50 To 100, Deduct</i>	-3.28		
		<i>For &gt;100 To 250, Deduct</i>	-5.34		
		<i>For &gt;250 To 500, Deduct</i>	-8.25		
		<i>For &gt;500, Deduct</i>	-11.16		
26 51 19 00-0193	EA	6" Shallow, Insulated Ceiling, New Construction Housing (Cooper Halo EI2700) .....	82.51		32.51
		<i>For &gt;50 To 100, Deduct</i>	-3.28		
		<i>For &gt;100 To 250, Deduct</i>	-5.34		
		<i>For &gt;250 To 500, Deduct</i>	-8.25		
		<i>For &gt;500, Deduct</i>	-11.16		
26 51 19 00-0194	EA	6" Shallow, Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI2700R) .....	82.51		32.51
		<i>For &gt;50 To 100, Deduct</i>	-3.28		
		<i>For &gt;100 To 250, Deduct</i>	-5.34		
		<i>For &gt;250 To 500, Deduct</i>	-8.25		
		<i>For &gt;500, Deduct</i>	-11.16		
26 51 19 00-0195	EA	6" Shallow, Non-IC, New Construction Housing (Cooper Halo ET2700) .....	82.51		32.51
		<i>For &gt;50 To 100, Deduct</i>	-3.28		
		<i>For &gt;100 To 250, Deduct</i>	-5.34		
		<i>For &gt;250 To 500, Deduct</i>	-8.25		
		<i>For &gt;500, Deduct</i>	-11.16		
26 51 19 00-0196	EA	6" Shallow, Non-IC, Remodel Housing (Cooper Halo ET2700R) .....	82.51		32.51
		<i>For &gt;50 To 100, Deduct</i>	-3.28		
		<i>For &gt;100 To 250, Deduct</i>	-5.34		
		<i>For &gt;250 To 500, Deduct</i>	-8.25		
		<i>For &gt;500, Deduct</i>	-11.16		
26 51 19 00-0197	EA	6" Retrofit Enclosure, Non-IC, BX Whip (Cooper Halo ML7BXRFK) .....	69.26		15.17
		<i>For &gt;50 To 100, Deduct</i>	-2.30		
		<i>For &gt;100 To 250, Deduct</i>	-4.03		
		<i>For &gt;250 To 500, Deduct</i>	-6.93		
		<i>For &gt;500, Deduct</i>	-9.82		
26 51 19 00-0198	EA	6" Retrofit Enclosure, Non-IC, E26 Screw base Interface (Cooper Halo ML7E26RFK) .....	71.64		15.17
		<i>For &gt;50 To 100, Deduct</i>	-2.36		
		<i>For &gt;100 To 250, Deduct</i>	-4.15		
		<i>For &gt;250 To 500, Deduct</i>	-7.16		
		<i>For &gt;500, Deduct</i>	-10.18		
26 51 19 00-0199	EA	5" LED, Insulated Ceiling, Air-Tite, New Construction Housing (Cooper Halo H550ICAT) .....	67.96		32.51
		<i>For &gt;50 To 100, Deduct</i>	-2.92		
		<i>For &gt;100 To 250, Deduct</i>	-4.62		
		<i>For &gt;250 To 500, Deduct</i>	-6.80		
		<i>For &gt;500, Deduct</i>	-8.97		
26 51 19 00-0200	EA	5" LED, Insulated Ceiling, Air-Tite, Remodel Housing (Cooper Halo H550RICAT) .....	68.25		32.51
		<i>For &gt;50 To 100, Deduct</i>	-2.93		
		<i>For &gt;100 To 250, Deduct</i>	-4.63		
		<i>For &gt;250 To 500, Deduct</i>	-6.83		
		<i>For &gt;500, Deduct</i>	-9.02		
26 51 19 00-0201	EA	5" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo H5ICAT) .....	63.30		32.51
		<i>For &gt;50 To 100, Deduct</i>	-2.80		
		<i>For &gt;100 To 250, Deduct</i>	-4.38		
		<i>For &gt;250 To 500, Deduct</i>	-6.33		
		<i>For &gt;500, Deduct</i>	-8.28		
26 51 19 00-0202	EA	5" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H5RICAT) .....	65.73		32.51
		<i>For &gt;50 To 100, Deduct</i>	-2.86		
		<i>For &gt;100 To 250, Deduct</i>	-4.51		
		<i>For &gt;250 To 500, Deduct</i>	-6.57		
		<i>For &gt;500, Deduct</i>	-8.64		
26 51 19 00-0203	EA	5" Non-IC, New Construction Housing (Cooper Halo H5T) .....	64.94		32.51
		<i>For &gt;50 To 100, Deduct</i>	-2.84		
		<i>For &gt;100 To 250, Deduct</i>	-4.47		
		<i>For &gt;250 To 500, Deduct</i>	-6.49		
		<i>For &gt;500, Deduct</i>	-8.52		
26 51 19 00-0204	EA	5" Non-IC, Remodel Housing (Cooper Halo H5RT) .....	65.68		32.51
		<i>For &gt;50 To 100, Deduct</i>	-2.86		
		<i>For &gt;100 To 250, Deduct</i>	-4.50		
		<i>For &gt;250 To 500, Deduct</i>	-6.57		
		<i>For &gt;500, Deduct</i>	-8.63		
26 51 19 00-0205	EA	5" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo EI500AT) .....	76.11		32.51
		<i>For &gt;50 To 100, Deduct</i>	-3.12		
		<i>For &gt;100 To 250, Deduct</i>	-5.02		
		<i>For &gt;250 To 500, Deduct</i>	-7.61		
		<i>For &gt;500, Deduct</i>	-10.20		
26 51 19 00-0206	EA	5" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI500RAT) .....	76.67		32.51
		<i>For &gt;50 To 100, Deduct</i>	-3.14		
		<i>For &gt;100 To 250, Deduct</i>	-5.05		
		<i>For &gt;250 To 500, Deduct</i>	-7.67		
		<i>For &gt;500, Deduct</i>	-10.28		
26 51 19 00-0207	EA	5" Non-IC, New Construction Housing (Cooper Halo ET500) .....	79.47		32.51
		<i>For &gt;50 To 100, Deduct</i>	-3.21		
		<i>For &gt;100 To 250, Deduct</i>	-5.19		
		<i>For &gt;250 To 500, Deduct</i>	-7.95		
		<i>For &gt;500, Deduct</i>	-10.70		
26 51 19 00-0208	EA	5" Non-IC, Remodel Housing (Cooper Halo ET500R) .....	81.44		32.51
		<i>For &gt;50 To 100, Deduct</i>	-3.26		
		<i>For &gt;100 To 250, Deduct</i>	-5.29		
		<i>For &gt;250 To 500, Deduct</i>	-8.14		
		<i>For &gt;500, Deduct</i>	-11.00		

**26 Electrical**

**26 50 Lighting**

**26 51 Interior Lighting**



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 51 19 00-0209	EA	5" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo H25ICAT).....	90.07	32.51
		<i>For &gt;50 To 100, Deduct</i>	-3.47	
		<i>For &gt;100 To 250, Deduct</i>	-5.72	
		<i>For &gt;250 To 500, Deduct</i>	-9.01	
		<i>For &gt;500, Deduct</i>	-12.29	

**26 51 19 00-0210 Recessed LED Downlights (Maxlite DLR)** (26 51 19 00-0101)

26 51 19 00-0211	EA	4" Diameter, 1,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR410) .....	148.88	47.69
		<i>For &gt;50 To 100, Deduct</i>	-5.51	
		<i>For &gt;100 To 250, Deduct</i>	-9.23	
		<i>For &gt;250 To 500, Deduct</i>	-14.89	
		<i>For &gt;500, Deduct</i>	-20.54	
26 51 19 00-0212	EA	4" Diameter, 1,500 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR415) .....	150.86	47.69
		<i>For &gt;50 To 100, Deduct</i>	-5.56	
		<i>For &gt;100 To 250, Deduct</i>	-9.33	
		<i>For &gt;250 To 500, Deduct</i>	-15.09	
		<i>For &gt;500, Deduct</i>	-20.84	
26 51 19 00-0213	EA	4" Diameter, 2,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR420) .....	156.81	47.69
		<i>For &gt;50 To 100, Deduct</i>	-5.71	
		<i>For &gt;100 To 250, Deduct</i>	-9.63	
		<i>For &gt;250 To 500, Deduct</i>	-15.68	
		<i>For &gt;500, Deduct</i>	-21.73	
26 51 19 00-0214	EA	6" Diameter, 1,500 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR615) .....	144.90	47.69
		<i>For &gt;50 To 100, Deduct</i>	-5.41	
		<i>For &gt;100 To 250, Deduct</i>	-9.03	
		<i>For &gt;250 To 500, Deduct</i>	-14.49	
		<i>For &gt;500, Deduct</i>	-19.95	
26 51 19 00-0215	EA	6" Diameter, 2,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR620) .....	144.90	47.69
		<i>For &gt;50 To 100, Deduct</i>	-5.41	
		<i>For &gt;100 To 250, Deduct</i>	-9.03	
		<i>For &gt;250 To 500, Deduct</i>	-14.49	
		<i>For &gt;500, Deduct</i>	-19.95	
26 51 19 00-0216	EA	6" Diameter, 3,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR630) .....	144.90	47.69
		<i>For &gt;50 To 100, Deduct</i>	-5.41	
		<i>For &gt;100 To 250, Deduct</i>	-9.03	
		<i>For &gt;250 To 500, Deduct</i>	-14.49	
		<i>For &gt;500, Deduct</i>	-19.95	
26 51 19 00-0217	EA	8" Diameter, 1,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR810) .....	156.81	47.69
		<i>For &gt;50 To 100, Deduct</i>	-5.71	
		<i>For &gt;100 To 250, Deduct</i>	-9.63	
		<i>For &gt;250 To 500, Deduct</i>	-15.68	
		<i>For &gt;500, Deduct</i>	-21.73	
26 51 19 00-0218	EA	8" Diameter, 1,500 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR815) .....	158.79	47.69
		<i>For &gt;50 To 100, Deduct</i>	-5.76	
		<i>For &gt;100 To 250, Deduct</i>	-9.73	
		<i>For &gt;250 To 500, Deduct</i>	-15.88	
		<i>For &gt;500, Deduct</i>	-22.03	
26 51 19 00-0219	EA	8" Diameter, 2,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR820) .....	162.75	47.69
		<i>For &gt;50 To 100, Deduct</i>	-5.86	
		<i>For &gt;100 To 250, Deduct</i>	-9.93	
		<i>For &gt;250 To 500, Deduct</i>	-16.28	
		<i>For &gt;500, Deduct</i>	-22.62	
26 51 19 00-0220	EA	8" Diameter, 3,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR830) .....	174.65	47.69
		<i>For &gt;50 To 100, Deduct</i>	-6.15	
		<i>For &gt;100 To 250, Deduct</i>	-10.52	
		<i>For &gt;250 To 500, Deduct</i>	-17.47	
		<i>For &gt;500, Deduct</i>	-24.41	
26 51 19 00-0221	EA	8" Diameter, 5,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR850) .....	190.52	47.69
		<i>For &gt;50 To 100, Deduct</i>	-6.55	
		<i>For &gt;100 To 250, Deduct</i>	-11.31	
		<i>For &gt;250 To 500, Deduct</i>	-19.05	
		<i>For &gt;500, Deduct</i>	-26.79	

**26 51 19 00-0222 Recessed LED Downlight Retrofits And Trim (CREE®)** (26 51 19 00-0100)

**26 51 19 00-0223 Recessed LED Downlight Retrofits (CREE®)** (26 51 19 00-0222)

Note: Dimmable to 5%. For installation in standard recessed IC or non-IC housings. Includes removal of existing lamp from fixture. Excludes housing and disposal of hazardous lamps.

26 51 19 00-0224	EA	4" Diameter, 575 Lumens, Recessed LED Downlight Retrofit (Cree® CR4-575L) .....	89.07	
		<i>For &gt;50 To 100, Deduct</i>	-2.90	
		<i>For &gt;100 To 250, Deduct</i>	-5.13	
		<i>For &gt;250 To 500, Deduct</i>	-8.91	
		<i>For &gt;500, Deduct</i>	-12.68	
26 51 19 00-0225	EA	6" Diameter, 625 Lumens, Recessed LED Downlight Retrofit (Cree® CR6-625L) .....	79.02	
		<i>For &gt;50 To 100, Deduct</i>	-2.65	
		<i>For &gt;100 To 250, Deduct</i>	-4.63	
		<i>For &gt;250 To 500, Deduct</i>	-7.90	
		<i>For &gt;500, Deduct</i>	-11.18	
26 51 19 00-0226	EA	6" Diameter, 800 Lumens, Recessed LED Downlight Retrofit (Cree® CR6-800L) .....	99.12	
		<i>For &gt;50 To 100, Deduct</i>	-3.16	
		<i>For &gt;100 To 250, Deduct</i>	-5.63	
		<i>For &gt;250 To 500, Deduct</i>	-9.91	
		<i>For &gt;500, Deduct</i>	-14.19	
26 51 19 00-0227	EA	6" Diameter, 650 Lumens, Recessed LED Downlight Retrofit (Cree® LR6C-277) .....	110.84	
		<i>For &gt;50 To 100, Deduct</i>	-3.45	
		<i>For &gt;100 To 250, Deduct</i>	-6.22	
		<i>For &gt;250 To 500, Deduct</i>	-11.08	
		<i>For &gt;500, Deduct</i>	-15.95	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0228	EA		6" Diameter, 1,000 Lumens, Deep Recessed LED Downlight Retrofit (Cree® LR6-10L-XXX-120V-A-DR) .....	120.89	
			<i>For &gt;50 To 100, Deduct</i>	-3.70	
			<i>For &gt;100 To 250, Deduct</i>	-6.72	
			<i>For &gt;250 To 500, Deduct</i>	-12.09	
			<i>For &gt;500, Deduct</i>	-17.46	
<b>26 51 19 00-0229</b>			<b>Recessed LED Downlight Retrofits Trim (CREE®)</b> <small>(26 51 19 00-0222)</small>		
			Note: For installation in standard recessed IC or non-IC housings. Excludes housing and lamp.		
26 51 19 00-0230	EA		6" Diameter, Diffuse Anodized Finish Reflector For LED Downlight Retrofits (Cree® CT6AX) .....	33.00	7.59
			<i>For &gt;50 To 100, Deduct</i>	-1.23	
			<i>For &gt;100 To 250, Deduct</i>	-2.06	
			<i>For &gt;250 To 500, Deduct</i>	-3.30	
			<i>For &gt;500, Deduct</i>	-4.54	
26 51 19 00-0231	EA		6" Diameter, Diffuse Anodized Finish Reflector With Painted Flange For LED Downlight Retrofits (Cree® LT6AP) .....	39.71	7.59
			<i>For &gt;50 To 100, Deduct</i>	-1.40	
			<i>For &gt;100 To 250, Deduct</i>	-2.39	
			<i>For &gt;250 To 500, Deduct</i>	-3.97	
			<i>For &gt;500, Deduct</i>	-5.55	
26 51 19 00-0232	EA		6" Diameter, Flat Black Finish Trim And Reflector For LED Downlight Retrofits (Cree® CT6BB) .....	34.68	7.59
			<i>For &gt;50 To 100, Deduct</i>	-1.27	
			<i>For &gt;100 To 250, Deduct</i>	-2.14	
			<i>For &gt;250 To 500, Deduct</i>	-3.47	
			<i>For &gt;500, Deduct</i>	-4.80	
<b>26 51 19 00-0233</b>			<b>Recessed LED Downlight Fixture Housings (CREE®)</b> <small>(26 51 19 00-0222)</small>		
			Note: Excludes lamp and trim.		
26 51 19 00-0234	EA		6" Diameter, IC Rated, Architectural Recessed LED Downlight Fixture Housing (Cree® H6) .....	88.97	32.51
			<i>For &gt;50 To 100, Deduct</i>	-3.44	
			<i>For &gt;100 To 250, Deduct</i>	-5.67	
			<i>For &gt;250 To 500, Deduct</i>	-8.90	
			<i>For &gt;500, Deduct</i>	-12.13	
26 51 19 00-0235	EA		6" Diameter, IC Rated, Retrofit Recessed LED Downlight Fixture Housing (Cree® RR6) .....	65.51	32.51
			<i>For &gt;50 To 100, Deduct</i>	-2.86	
			<i>For &gt;100 To 250, Deduct</i>	-4.49	
			<i>For &gt;250 To 500, Deduct</i>	-6.55	
			<i>For &gt;500, Deduct</i>	-8.61	
<b>26 51 19 00-0236</b>			<b>Can Retrofit Or Surface Mount, LED Downlights</b> <small>(26 51 19 00-0100)</small>		
26 51 19 00-0237	EA		6" Diameter, 15 Watt, Can Retrofit Or Surface Mount, LED Downlight (Lighting Science® GLP6) .....	86.99	29.70
			<i>For &gt;50 To 100, Deduct</i>	-3.29	
			<i>For &gt;100 To 250, Deduct</i>	-5.46	
			<i>For &gt;250 To 500, Deduct</i>	-8.70	
			<i>For &gt;500, Deduct</i>	-11.93	
26 51 19 00-0238	EA		4" Diameter, 7 Watt, Can Retrofit, LED Downlight (Green Creative0 1-811-D) .....	70.50	29.70
			<i>For &gt;50 To 100, Deduct</i>	-2.88	
			<i>For &gt;100 To 250, Deduct</i>	-4.64	
			<i>For &gt;250 To 500, Deduct</i>	-7.05	
			<i>For &gt;500, Deduct</i>	-9.46	
26 51 19 00-0239	EA		6" Diameter, 9.5 Watt, Can Retrofit, LED Downlight (Green Creative0 1-808-D) .....	70.50	29.70
			<i>For &gt;50 To 100, Deduct</i>	-2.88	
			<i>For &gt;100 To 250, Deduct</i>	-4.64	
			<i>For &gt;250 To 500, Deduct</i>	-7.05	
			<i>For &gt;500, Deduct</i>	-9.46	
26 51 19 00-0240	EA		6" Diameter, 8.9 Watt, Can Retrofit, LED Downlight (Lithonia 6BP) .....	115.22	29.70
			<i>For Recessed IC/Non-IC Rated Housing For New Construction, Add</i>	42.46	
			<i>For &gt;50 To 100, Deduct</i>	-3.99	
			<i>For &gt;100 To 250, Deduct</i>	-6.88	
			<i>For &gt;250 To 500, Deduct</i>	-11.52	
			<i>For &gt;500, Deduct</i>	-16.17	
26 51 19 00-0241	EA		4" Diameter, 8 Watt, 600 Lumens, Retrofit LED Downlight (Sylvania LED/RT4/550/840) .....	59.45	29.70
			<i>For &gt;50 To 100, Deduct</i>	-2.60	
			<i>For &gt;100 To 250, Deduct</i>	-4.09	
			<i>For &gt;250 To 500, Deduct</i>	-5.95	
			<i>For &gt;500, Deduct</i>	-7.80	
26 51 19 00-0242	EA		5" Diameter, 10 Watt, 700 Lumens, Retrofit LED Downlight (Sylvania LED/RT5/6/625/840) .....	65.42	29.70
			<i>For &gt;50 To 100, Deduct</i>	-2.75	
			<i>For &gt;100 To 250, Deduct</i>	-4.39	
			<i>For &gt;250 To 500, Deduct</i>	-6.54	
			<i>For &gt;500, Deduct</i>	-8.70	
26 51 19 00-0243	EA		6" Diameter, 800 Lumens, 10 Watt, Retrofit LED Wallwash Downlight (Indy Lighting LRT6-08LM) .....	745.74	29.70
			<i>For &gt;50 To 100, Deduct</i>	-19.76	
			<i>For &gt;100 To 250, Deduct</i>	-38.40	
			<i>For &gt;250 To 500, Deduct</i>	-74.57	
			<i>For &gt;500, Deduct</i>	-110.75	
<b>26 51 19 00-0244</b>			<b>Wall Mount LED Cylinder Downlight</b> <small>(26 51 19 00-0001)</small>		
26 51 19 00-0245	EA		9" Diameter, 2,200 Lumens, Wall Mount LED Cylinder Downlight With Semi-Specular Trim (Gotham® EVO® CLED9) .....	320.11	46.14
			<i>For &gt;50 To 100, Deduct</i>	-9.74	
			<i>For &gt;100 To 250, Deduct</i>	-17.74	
			<i>For &gt;250 To 500, Deduct</i>	-32.01	
			<i>For &gt;500, Deduct</i>	-46.28	
<b>26 51 19 00-0246</b>			<b>Wall Sconce And Wall Wash LED Fixtures</b> <small>(26 51 19 00-0001)</small>		

**26 Electrical****26 50 Lighting****26 51 Interior Lighting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 51 19 00-0247	<b>LED Wall Sconce Fixtures (Hudson Valley Lighting)</b> (26 51 19 00-0246)		
26 51 19 00-0248	EA 2-1/2" Diameter x 15-1/2" High, Polished Nickel, LED Wall Sconce (Hudson Valley Lighting SHAW 1200-PN) .....	431.30	43.35
	For >50 To 100, Deduct	-12.41	
	For >100 To 250, Deduct	-23.19	
	For >250 To 500, Deduct	-43.13	
	For >500, Deduct	-63.07	
26 51 19 00-0249	<b>LED Wall Sconce Fixtures (Kichler)</b> (26 51 19 00-0246)		
26 51 19 00-0250	EA 6" High x 11.75" Wide x 3.5" Deep, 900 Lumens, 15 Watt, White Acrylic Diffuser, Brushed Nickel, LED Wall Sconce (Kichler 10790NILED) .....	242.37	43.35
	For >50 To 100, Deduct	-7.68	
	For >100 To 250, Deduct	-13.74	
	For >250 To 500, Deduct	-24.24	
	For >500, Deduct	-34.73	
26 51 19 00-0251	<b>LED Wall Sconce Fixtures (Metalux)</b> (26 51 19 00-0246)		
26 51 19 00-0252	EA 9.875" High x 7.125" Wide x 3.5" Deep, 9 Watt, White Acrylic Diffuser, Brushed Nickel, LED Wall Sconce (Metalux AFX VNTS071009L30ENBN) .....	135.34	43.35
	For >50 To 100, Deduct	-5.01	
	For >100 To 250, Deduct	-8.39	
	For >250 To 500, Deduct	-13.53	
	For >500, Deduct	-18.68	
26 51 19 00-0253	EA 5" LED, Cape Sconce Wall Light, White (AFX CAPW050804L30ENWH) .....	126.55	43.35
	For >50 To 100, Deduct	-4.79	
	For >100 To 250, Deduct	-7.95	
	For >250 To 500, Deduct	-12.66	
	For >500, Deduct	-17.36	
26 51 19 00-0254	<b>Concealed Continuous LED Fixtures</b> (26 51 19 00-0001)		
26 51 19 00-0255	<b>Concealed Continuous LED Fixtures (Fraqtir™ S301)</b> (26 51 19 00-0254)		
26 51 19 00-0256	LF Fixed Surface Mount, Concealed Continuous LED Fixture With Remote Driver (Fraqtir™ S301) .....	580.53	4.95
	For >50 To 100, Deduct	-14.76	
	For >100 To 250, Deduct	-29.27	
	For >250 To 500, Deduct	-58.05	
	For >500, Deduct	-86.83	
26 51 19 00-0257	LF Fixed Surface Mount, Concealed Continuous LED Fixture With Remote Dimming Driver (Fraqtir™ S301) .....	661.78	4.95
	For >50 To 100, Deduct	-16.79	
	For >100 To 250, Deduct	-33.34	
	For >250 To 500, Deduct	-66.18	
	For >500, Deduct	-99.02	
26 51 19 00-0258	<b>Low Bay LED Fixtures</b> (26 51 19 00-0001)		
26 51 19 00-0259	<b>LED Linear Low Bay Fixtures (PlanLED)</b> (26 51 19 00-0258)		
26 51 19 00-0260	EA 4' Length, 23 Watt, LED Linear Low Bay Fixture (PlanLED A1W4) .....	304.87	59.40
	For >50 To 100, Deduct	-10.10	
	For >100 To 250, Deduct	-17.72	
	For >250 To 500, Deduct	-30.49	
	For >500, Deduct	-43.26	
26 51 19 00-0261	EA 4' Length, 42 Watt, LED Linear Low Bay Fixture (PlanLED A2W4A) .....	411.24	59.40
	For >50 To 100, Deduct	-12.76	
	For >100 To 250, Deduct	-23.04	
	For >250 To 500, Deduct	-41.12	
	For >500, Deduct	-59.21	
26 51 19 00-0262	EA 8' Length, 84 Watt, LED Linear Low Bay Fixture (PlanLED A2W5A) .....	681.32	74.25
	For >50 To 100, Deduct	-20.13	
	For >100 To 250, Deduct	-37.16	
	For >250 To 500, Deduct	-68.13	
	For >500, Deduct	-99.10	
26 51 19 00-0263	<b>LED Low Bay Fixtures (CREE®)</b> (26 51 19 00-0258)		
26 51 19 00-0264	<b>LED Low Bay Fixtures (CREE® LS)</b> (26 51 19 00-0263)		
	Note: Includes 120/277 voltage and 22 gauge steel housing assembly. Excludes sensors.		
26 51 19 00-0265	EA 2,500 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-25L-35K-10V) .....	265.56	59.40
	For >50 To 100, Deduct	-9.11	
	For >100 To 250, Deduct	-15.75	
	For >250 To 500, Deduct	-26.56	
	For >500, Deduct	-37.36	
26 51 19 00-0266	EA 2,500 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-25L-50K-10V) .....	282.64	59.40
	For >50 To 100, Deduct	-9.54	
	For >100 To 250, Deduct	-16.61	
	For >250 To 500, Deduct	-28.26	
	For >500, Deduct	-39.92	
26 51 19 00-0267	EA 4,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-40L-35K-10V) .....	272.68	59.40
	For >50 To 100, Deduct	-9.29	
	For >100 To 250, Deduct	-16.11	
	For >250 To 500, Deduct	-27.27	
	For >500, Deduct	-38.43	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0268	EA		4,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-40L-50K-10V) .....	289.76	59.40
			<i>For &gt;50 To 100, Deduct</i>	-9.72	
			<i>For &gt;100 To 250, Deduct</i>	-16.96	
			<i>For &gt;250 To 500, Deduct</i>	-28.98	
			<i>For &gt;500, Deduct</i>	-40.99	
26 51 19 00-0269	EA		5,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-50L-35K-10V) .....	302.57	59.40
			<i>For &gt;50 To 100, Deduct</i>	-10.04	
			<i>For &gt;100 To 250, Deduct</i>	-17.60	
			<i>For &gt;250 To 500, Deduct</i>	-30.26	
			<i>For &gt;500, Deduct</i>	-42.91	
26 51 19 00-0270	EA		5,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-50L-50K-10V) .....	319.66	59.40
			<i>For &gt;50 To 100, Deduct</i>	-10.47	
			<i>For &gt;100 To 250, Deduct</i>	-18.46	
			<i>For &gt;250 To 500, Deduct</i>	-31.97	
			<i>For &gt;500, Deduct</i>	-45.47	
26 51 19 00-0271	EA		8,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-80L-35K-10V) .....	422.70	74.25
			<i>For &gt;50 To 100, Deduct</i>	-13.66	
			<i>For &gt;100 To 250, Deduct</i>	-24.23	
			<i>For &gt;250 To 500, Deduct</i>	-42.27	
			<i>For &gt;500, Deduct</i>	-60.31	
26 51 19 00-0272	EA		8,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-80L-50K-10V) .....	454.02	74.25
			<i>For &gt;50 To 100, Deduct</i>	-14.44	
			<i>For &gt;100 To 250, Deduct</i>	-25.79	
			<i>For &gt;250 To 500, Deduct</i>	-45.40	
			<i>For &gt;500, Deduct</i>	-65.01	
26 51 19 00-0273	EA		10,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-100L-35K-10V) .....	519.51	74.25
			<i>For &gt;50 To 100, Deduct</i>	-16.08	
			<i>For &gt;100 To 250, Deduct</i>	-29.07	
			<i>For &gt;250 To 500, Deduct</i>	-51.95	
			<i>For &gt;500, Deduct</i>	-74.83	
26 51 19 00-0274	EA		10,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-100L-50K-10V) .....	536.59	74.25
			<i>For &gt;50 To 100, Deduct</i>	-16.51	
			<i>For &gt;100 To 250, Deduct</i>	-29.92	
			<i>For &gt;250 To 500, Deduct</i>	-53.66	
			<i>For &gt;500, Deduct</i>	-77.39	
<b>26 51 19 00-0275</b>			<b>LED Low Bay Fixtures (CREE® LN)</b> <small>(26 51 19 00-0263)</small>		
			Note: Includes 120/277 voltage and aluminum housing assembly. Excludes sensors.		
26 51 19 00-0276	EA		3,400 Lumens, 4' Length, LED Low Bay Fixture (Cree® LN4-34L-35K-10V) .....	581.60	59.40
			<i>For &gt;50 To 100, Deduct</i>	-17.02	
			<i>For &gt;100 To 250, Deduct</i>	-31.56	
			<i>For &gt;250 To 500, Deduct</i>	-58.16	
			<i>For &gt;500, Deduct</i>	-84.77	
26 51 19 00-0277	EA		3,400 Lumens, 4' Length, LED Low Bay Fixture, Smartcast Technology (Cree® LN4-34L-35K-CMA) .....	652.78	59.40
			<i>For &gt;50 To 100, Deduct</i>	-18.79	
			<i>For &gt;100 To 250, Deduct</i>	-35.11	
			<i>For &gt;250 To 500, Deduct</i>	-65.28	
			<i>For &gt;500, Deduct</i>	-95.44	
<b>26 51 19 00-0278</b>			<b>LED Linear Low Bay Fixtures (CREE® CS)</b> <small>(26 51 19 00-0263)</small>		
			Note: Includes 3,500 or 4,000K color temperature, 120/277 voltage and lightweight polymer housing assembly. Excludes sensors.		
26 51 19 00-0279	EA		4,000 Lumens, 4' Length, LED Linear Low Bay Fixture (Cree® CS14™).....	564.47	59.40
			<i>For &gt;50 To 100, Deduct</i>	-16.59	
			<i>For &gt;100 To 250, Deduct</i>	-30.70	
			<i>For &gt;250 To 500, Deduct</i>	-56.45	
			<i>For &gt;500, Deduct</i>	-82.20	
26 51 19 00-0280	EA		7,500 Lumens, 8' Length, LED Linear Low Bay Fixture (Cree® CS18™).....	701.43	74.25
			<i>For &gt;50 To 100, Deduct</i>	-20.63	
			<i>For &gt;100 To 250, Deduct</i>	-38.17	
			<i>For &gt;250 To 500, Deduct</i>	-70.14	
			<i>For &gt;500, Deduct</i>	-102.12	
26 51 19 00-0281	EA		8,000 Lumens, 8' Length, LED Linear Low Bay Fixture (Cree® CS18™).....	887.34	74.25
			<i>For &gt;50 To 100, Deduct</i>	-25.28	
			<i>For &gt;100 To 250, Deduct</i>	-47.46	
			<i>For &gt;250 To 500, Deduct</i>	-88.73	
			<i>For &gt;500, Deduct</i>	-130.01	
<b>26 51 19 00-0282</b>			<b>Accessories For LED Low Bay Fixtures (CREE®)</b> <small>(26 51 19 00-0263)</small>		
26 51 19 00-0283	EA		Continuous Row Through Wiring Kit For 4' Fixtures (Cree® LS4TWK) .....	52.28	16.29
			<i>For &gt;50 To 100, Deduct</i>	-1.99	
			<i>For &gt;100 To 250, Deduct</i>	-3.29	
			<i>For &gt;250 To 500, Deduct</i>	-5.23	
			<i>For &gt;500, Deduct</i>	-7.16	
26 51 19 00-0284	EA		Continuous Row Through Wiring Kit For 8' Fixtures (Cree® LS8TWK) .....	57.30	16.29
			<i>For &gt;50 To 100, Deduct</i>	-2.11	
			<i>For &gt;100 To 250, Deduct</i>	-3.54	
			<i>For &gt;250 To 500, Deduct</i>	-5.73	
			<i>For &gt;500, Deduct</i>	-7.92	
26 51 19 00-0285	EA		Top Housing Aligner For Continuous Row Installations (Cree® LS-RJ) .....	43.89	16.29
			<i>For &gt;50 To 100, Deduct</i>	-1.78	
			<i>For &gt;100 To 250, Deduct</i>	-2.87	
			<i>For &gt;250 To 500, Deduct</i>	-4.39	
			<i>For &gt;500, Deduct</i>	-5.90	

**26 Electrical****26 50 Lighting****26 51 Interior Lighting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 51 19 00-0286	EA	Reflector Joint Aligner For Continuous Row Installations (Cree® LS-RFLJ).....	35.52	16.29
		For >50 To 100, Deduct	-1.57	
		For >100 To 250, Deduct	-2.45	
		For >250 To 500, Deduct	-3.55	
		For >500, Deduct	-4.65	
26 51 19 00-0287	EA	Solid Reflector, Pair (Cree® LS4-SR).....	110.89	16.29
		For >50 To 100, Deduct	-3.45	
		For >100 To 250, Deduct	-6.22	
		For >250 To 500, Deduct	-11.09	
		For >500, Deduct	-15.95	
26 51 19 00-0288	EA	Solid Reflector, Pair (Cree® LS8-SR).....	152.77	16.29
		For >50 To 100, Deduct	-4.50	
		For >100 To 250, Deduct	-8.32	
		For >250 To 500, Deduct	-15.28	
		For >500, Deduct	-22.24	
26 51 19 00-0289	EA	5" Cable Canopy With #18/2 SJT Cord, 48" (Cree® AC5-18/2-48-Q14B-JB).....	57.30	16.29
		For >50 To 100, Deduct	-2.11	
		For >100 To 250, Deduct	-3.54	
		For >250 To 500, Deduct	-5.73	
		For >500, Deduct	-7.92	
26 51 19 00-0290	EA	5" Cable Canopy With #18/2 SJT Cord, 72" (Cree® AC5-18/2-72-Q14B-JB).....	80.75	16.29
		For >50 To 100, Deduct	-2.70	
		For >100 To 250, Deduct	-4.72	
		For >250 To 500, Deduct	-8.08	
		For >500, Deduct	-11.43	
26 51 19 00-0291	EA	5" Cable Canopy With #18/5 SJT Cord, 48" (Cree® AC5-18/5-48-Q14B-JB).....	63.99	16.29
		For >50 To 100, Deduct	-2.28	
		For >100 To 250, Deduct	-3.88	
		For >250 To 500, Deduct	-6.40	
		For >500, Deduct	-8.92	
26 51 19 00-0292	EA	5" Cable Canopy With #18/5 SJT Cord, 72" (Cree® AC5-18/5-72-Q14B-JB).....	85.77	16.29
		For >50 To 100, Deduct	-2.82	
		For >100 To 250, Deduct	-4.97	
		For >250 To 500, Deduct	-8.58	
		For >500, Deduct	-12.19	
26 51 19 00-0293	EA	5" Cable Canopy With #18/5 SJT Cord, 96" (Cree® AC5-18/5-96-Q14B-JB).....	90.80	16.29
		For >50 To 100, Deduct	-2.95	
		For >100 To 250, Deduct	-5.22	
		For >250 To 500, Deduct	-9.08	
		For >500, Deduct	-12.94	
26 51 19 00-0294	EA	5" Cable Canopy With #12/3 SJT Cord, 48" (Cree® AC5-12/3-48-Q14B-JB).....	77.39	16.29
		For >50 To 100, Deduct	-2.61	
		For >100 To 250, Deduct	-4.55	
		For >250 To 500, Deduct	-7.74	
		For >500, Deduct	-10.93	
26 51 19 00-0295	EA	5" Cable Canopy With #12/3 SJT Cord, 72" (Cree® AC5-12/3-72-Q14B-JB).....	115.91	16.29
		For >50 To 100, Deduct	-3.58	
		For >100 To 250, Deduct	-6.47	
		For >250 To 500, Deduct	-11.59	
		For >500, Deduct	-16.71	
26 51 19 00-0296	EA	Set Of End Caps, One With Power Feed, One Without (Cree® LN-EC).....	60.65	16.29
		For >50 To 100, Deduct	-2.20	
		For >100 To 250, Deduct	-3.71	
		For >250 To 500, Deduct	-6.07	
		For >500, Deduct	-8.42	
26 51 19 00-0297	EA	Canopy Kit With Aircraft Cable And Opening For Power Feed (Cree® LN-CK-5-AC).....	74.04	16.29
		For >50 To 100, Deduct	-2.53	
		For >100 To 250, Deduct	-4.38	
		For >250 To 500, Deduct	-7.40	
		For >500, Deduct	-10.43	
26 51 19 00-0298	EA	Canopy Kit With Aircraft Cable No Opening For Power Feed (Cree® LN-CK-0-AC).....	57.30	16.29
		For >50 To 100, Deduct	-2.11	
		For >100 To 250, Deduct	-3.54	
		For >250 To 500, Deduct	-5.73	
		For >500, Deduct	-7.92	
26 51 19 00-0299	EA	Emergency 125W Inverter, Ceiling Installed (Cree® ELI-125W).....	1,106.15	39.60
		For >50 To 100, Deduct	-29.14	
		For >100 To 250, Deduct	-56.79	
		For >250 To 500, Deduct	-110.62	
		For >500, Deduct	-164.44	
26 51 19 00-0300	EA	120 Volt, Emergency Relay For Use With Generator Power (Cree® EL-SR-120).....	394.36	39.60
		For >50 To 100, Deduct	-11.34	
		For >100 To 250, Deduct	-21.20	
		For >250 To 500, Deduct	-39.44	
		For >500, Deduct	-57.67	
26 51 19 00-0301		<b>LED Linear Low Bay Fixtures (Lithonia MSL)</b> (26 51 19 00-0258) Note: Includes 3,500K, 4,000K or 5,000K color temperature, 120/277 voltage and steel housing assembly. Excludes sensors.		
26 51 19 00-0302	EA	4,000 Lumens, 4' Length, LED Linear Low Bay Fixture (Lithonia MSL).....	797.07	59.40
		For >50 To 100, Deduct	-22.40	
		For >100 To 250, Deduct	-42.33	
		For >250 To 500, Deduct	-79.71	
		For >500, Deduct	-117.09	
26 51 19 00-0303		<b>High Bay LED Fixtures</b> (26 51 19 00-0001)		
26 51 19 00-0304		<b>LED High Bay Fixtures (Columbia Lighting LWS)</b> (26 51 19 00-0303)		



**26 Electrical****26 50 Lighting****26 51 Interior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	19 00-0324	EA	24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UH-ML) .....	904.48	108.91
			<i>For &gt;50 To 100, Deduct</i>	-28.06	
			<i>For &gt;100 To 250, Deduct</i>	-50.67	
			<i>For &gt;250 To 500, Deduct</i>	-90.45	
			<i>For &gt;500, Deduct</i>	-130.23	
<b>26 51</b>	<b>19 00-0325</b>		<b>Accessories For LED High Bay Fixtures (CREE®) <small>(26 51 19 00-0315)</small></b> .....		
26 51	19 00-0326	EA	15 Amperes, 120 Volt, Straight Blade Plug For LED High Bay Fixtures (Cree® AP-515P) .....	52.28	16.29
			<i>For &gt;50 To 100, Deduct</i>	-1.99	
			<i>For &gt;100 To 250, Deduct</i>	-3.29	
			<i>For &gt;250 To 500, Deduct</i>	-5.23	
			<i>For &gt;500, Deduct</i>	-7.16	
26 51	19 00-0327	EA	15 Amperes, 120 Volt, Twist Lock Plug For LED High Bay Fixtures (Cree® AP-L515P) .....	52.28	16.29
			<i>For &gt;50 To 100, Deduct</i>	-1.99	
			<i>For &gt;100 To 250, Deduct</i>	-3.29	
			<i>For &gt;250 To 500, Deduct</i>	-5.23	
			<i>For &gt;500, Deduct</i>	-7.16	
26 51	19 00-0328	EA	16" Matte Spun Aluminum Reflector For LED High Bay Fixture (Cree® CXBA16N) .....	69.02	16.29
			<i>For &gt;50 To 100, Deduct</i>	-2.40	
			<i>For &gt;100 To 250, Deduct</i>	-4.13	
			<i>For &gt;250 To 500, Deduct</i>	-6.90	
			<i>For &gt;500, Deduct</i>	-9.67	
26 51	19 00-0329	EA	16" Clear Acrylic Reflector For LED High Bay Fixture (Cree® CXBP16) .....	102.51	16.29
			<i>For &gt;50 To 100, Deduct</i>	-3.24	
			<i>For &gt;100 To 250, Deduct</i>	-5.80	
			<i>For &gt;250 To 500, Deduct</i>	-10.25	
			<i>For &gt;500, Deduct</i>	-14.70	
26 51	19 00-0330	EA	16" White Acrylic Reflector For LED High Bay Fixture (Cree® CXBW16) .....	119.27	16.29
			<i>For &gt;50 To 100, Deduct</i>	-3.66	
			<i>For &gt;100 To 250, Deduct</i>	-6.64	
			<i>For &gt;250 To 500, Deduct</i>	-11.93	
			<i>For &gt;500, Deduct</i>	-17.21	
26 51	19 00-0331	EA	16" Clear Prismatic Conical Lens For Prismatic And Acrylic Reflectors For LED High Bay Fixtures (Cree® CL16) .....	69.02	16.29
			<i>For &gt;50 To 100, Deduct</i>	-2.40	
			<i>For &gt;100 To 250, Deduct</i>	-4.13	
			<i>For &gt;250 To 500, Deduct</i>	-6.90	
			<i>For &gt;500, Deduct</i>	-9.67	
26 51	19 00-0332	EA	16" Clear Prismatic Drop Lens For Prismatic And Acrylic Reflectors For LED High Bay Fixtures (Cree® DL16) .....	70.70	16.29
			<i>For &gt;50 To 100, Deduct</i>	-2.45	
			<i>For &gt;100 To 250, Deduct</i>	-4.21	
			<i>For &gt;250 To 500, Deduct</i>	-7.07	
			<i>For &gt;500, Deduct</i>	-9.93	
26 51	19 00-0333	EA	16" Wire Guard For Aluminum Reflector For LED High Bay Fixtures (Cree® WG-A) .....	52.28	16.29
			<i>For &gt;50 To 100, Deduct</i>	-1.99	
			<i>For &gt;100 To 250, Deduct</i>	-3.29	
			<i>For &gt;250 To 500, Deduct</i>	-5.23	
			<i>For &gt;500, Deduct</i>	-7.16	
26 51	19 00-0334	EA	16" Wire Guard For Prismatic And Acrylic Reflector For LED High Bay Fixtures (Cree® WG-AP) .....	55.62	16.29
			<i>For &gt;50 To 100, Deduct</i>	-2.07	
			<i>For &gt;100 To 250, Deduct</i>	-3.46	
			<i>For &gt;250 To 500, Deduct</i>	-5.56	
			<i>For &gt;500, Deduct</i>	-7.66	
26 51	19 00-0335	EA	5' Galvanized Safety Cable For LED High Bay Fixtures (Cree® SC-5) .....	37.20	16.29
			<i>For &gt;50 To 100, Deduct</i>	-1.61	
			<i>For &gt;100 To 250, Deduct</i>	-2.54	
			<i>For &gt;250 To 500, Deduct</i>	-3.72	
			<i>For &gt;500, Deduct</i>	-4.90	
26 51	19 00-0336	EA	10' Galvanized Safety Cable For LED High Bay Fixtures (Cree® SC-10) .....	38.88	16.29
			<i>For &gt;50 To 100, Deduct</i>	-1.65	
			<i>For &gt;100 To 250, Deduct</i>	-2.62	
			<i>For &gt;250 To 500, Deduct</i>	-3.89	
			<i>For &gt;500, Deduct</i>	-5.15	
<b>26 51</b>	<b>19 00-0337</b>		<b>LED High Bay Fixtures (DLE) <small>(26 51 19 00-0303)</small></b> .....		
26 51	19 00-0338	EA	12,000 Lumens, 120 Watt, LED High Bay Fixture (DLE-12-ST/HV) .....	1,176.83	108.91
			<i>For &gt;50 To 100, Deduct</i>	-34.87	
			<i>For &gt;100 To 250, Deduct</i>	-64.29	
			<i>For &gt;250 To 500, Deduct</i>	-117.68	
			<i>For &gt;500, Deduct</i>	-171.08	
26 51	19 00-0339	EA	18,000 Lumens, 180 Watt, LED High Bay Fixture (DLE-18-ST/HV) .....	1,441.03	108.91
			<i>For &gt;50 To 100, Deduct</i>	-41.47	
			<i>For &gt;100 To 250, Deduct</i>	-77.50	
			<i>For &gt;250 To 500, Deduct</i>	-144.10	
			<i>For &gt;500, Deduct</i>	-210.71	
26 51	19 00-0340	EA	24,000 Lumens, 230 Watt, LED High Bay Fixture (DLE-24-ST/HV) .....	1,686.36	108.91
			<i>For &gt;50 To 100, Deduct</i>	-47.60	
			<i>For &gt;100 To 250, Deduct</i>	-89.76	
			<i>For &gt;250 To 500, Deduct</i>	-168.64	
			<i>For &gt;500, Deduct</i>	-247.51	
26 51	19 00-0341		<b>LED High Bay Fixtures (Everlast) <small>(26 51 19 00-0303)</small></b> .....		
26 51	19 00-0342		<b>LED High Bay Fixtures (Everlast EL-LED-LG) <small>(26 51 19 00-0341)</small></b> .....		

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 51 19 00-0343	EA	13,500 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AC)	801.11		108.91
		<i>For &gt;50 To 100, Deduct</i>	-25.47		
		<i>For &gt;100 To 250, Deduct</i>	-45.50		
		<i>For &gt;250 To 500, Deduct</i>	-80.11		
		<i>For &gt;500, Deduct</i>	-114.72		
26 51 19 00-0344	EA	13,500 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AO)	845.72		108.91
		<i>For &gt;50 To 100, Deduct</i>	-26.59		
		<i>For &gt;100 To 250, Deduct</i>	-47.73		
		<i>For &gt;250 To 500, Deduct</i>	-84.57		
		<i>For &gt;500, Deduct</i>	-121.41		
26 51 19 00-0345	EA	15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL16)	756.51		108.91
		<i>For &gt;50 To 100, Deduct</i>	-24.36		
		<i>For &gt;100 To 250, Deduct</i>	-43.27		
		<i>For &gt;250 To 500, Deduct</i>	-75.65		
		<i>For &gt;500, Deduct</i>	-108.03		
26 51 19 00-0346	EA	15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL22)	775.38		108.91
		<i>For &gt;50 To 100, Deduct</i>	-24.83		
		<i>For &gt;100 To 250, Deduct</i>	-44.21		
		<i>For &gt;250 To 500, Deduct</i>	-77.54		
		<i>For &gt;500, Deduct</i>	-110.86		
26 51 19 00-0347	EA	17,500 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AC)	878.31		108.91
		<i>For &gt;50 To 100, Deduct</i>	-27.40		
		<i>For &gt;100 To 250, Deduct</i>	-49.36		
		<i>For &gt;250 To 500, Deduct</i>	-87.83		
		<i>For &gt;500, Deduct</i>	-126.30		
26 51 19 00-0348	EA	17,500 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AO)	955.52		108.91
		<i>For &gt;50 To 100, Deduct</i>	-29.33		
		<i>For &gt;100 To 250, Deduct</i>	-53.22		
		<i>For &gt;250 To 500, Deduct</i>	-95.55		
		<i>For &gt;500, Deduct</i>	-137.88		
26 51 19 00-0349	EA	20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL16)	837.14		108.91
		<i>For &gt;50 To 100, Deduct</i>	-26.37		
		<i>For &gt;100 To 250, Deduct</i>	-47.30		
		<i>For &gt;250 To 500, Deduct</i>	-83.71		
		<i>For &gt;500, Deduct</i>	-120.13		
26 51 19 00-0350	EA	20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL22)	904.05		108.91
		<i>For &gt;50 To 100, Deduct</i>	-28.05		
		<i>For &gt;100 To 250, Deduct</i>	-50.65		
		<i>For &gt;250 To 500, Deduct</i>	-90.41		
		<i>For &gt;500, Deduct</i>	-130.16		
26 51 19 00-0351	EA	34,000 Lumens, 300 Watt, LED High Bay Fixture (Everlast EL-LED-LG-HW, AL30)	1,307.21		108.91
		<i>For &gt;50 To 100, Deduct</i>	-38.13		
		<i>For &gt;100 To 250, Deduct</i>	-70.81		
		<i>For &gt;250 To 500, Deduct</i>	-130.72		
		<i>For &gt;500, Deduct</i>	-190.64		
26 51 19 00-0352	EA	43,000 Lumens, 400 Watt, LED High Bay Fixture (Everlast EL-LED-LG-HW, AL30)	1,427.30		108.91
		<i>For &gt;50 To 100, Deduct</i>	-41.13		
		<i>For &gt;100 To 250, Deduct</i>	-76.81		
		<i>For &gt;250 To 500, Deduct</i>	-142.73		
		<i>For &gt;500, Deduct</i>	-208.65		
26 51 19 00-0353	EA	66,000 Lumens, 600 Watt, LED High Bay Fixture (Everlast EL-LED-LG-HW, AL30)	1,770.42		108.91
		<i>For &gt;50 To 100, Deduct</i>	-49.71		
		<i>For &gt;100 To 250, Deduct</i>	-93.97		
		<i>For &gt;250 To 500, Deduct</i>	-177.04		
		<i>For &gt;500, Deduct</i>	-260.12		

**26 51 19 00-0354 LED High Bay Fixtures (Everlast EL-LED-CS) (26 51 19 00-0341)**

26 51 19 00-0355	EA	5,000 Lumens, 50 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	509.46		108.91
		<i>For &gt;50 To 100, Deduct</i>	-18.18		
		<i>For &gt;100 To 250, Deduct</i>	-30.92		
		<i>For &gt;250 To 500, Deduct</i>	-50.95		
		<i>For &gt;500, Deduct</i>	-70.97		
26 51 19 00-0356	EA	10,000 Lumens, 100 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	741.07		108.91
		<i>For &gt;50 To 100, Deduct</i>	-23.97		
		<i>For &gt;100 To 250, Deduct</i>	-42.50		
		<i>For &gt;250 To 500, Deduct</i>	-74.11		
		<i>For &gt;500, Deduct</i>	-105.72		
26 51 19 00-0357	EA	15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	844.00		108.91
		<i>For &gt;50 To 100, Deduct</i>	-26.55		
		<i>For &gt;100 To 250, Deduct</i>	-47.65		
		<i>For &gt;250 To 500, Deduct</i>	-84.40		
		<i>For &gt;500, Deduct</i>	-121.15		
26 51 19 00-0358	EA	20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	964.09		108.91
		<i>For &gt;50 To 100, Deduct</i>	-29.55		
		<i>For &gt;100 To 250, Deduct</i>	-53.65		
		<i>For &gt;250 To 500, Deduct</i>	-96.41		
		<i>For &gt;500, Deduct</i>	-139.17		
26 51 19 00-0359	EA	30,000 Lumens, 300 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	1,041.30		108.91
		<i>For &gt;50 To 100, Deduct</i>	-31.48		
		<i>For &gt;100 To 250, Deduct</i>	-57.51		
		<i>For &gt;250 To 500, Deduct</i>	-104.13		
		<i>For &gt;500, Deduct</i>	-150.75		

**26 51 19 00-0360 LED High Bay Fixtures (Everlast EL-LED-HB-LG) (26 51 19 00-0341)**

**26 Electrical****26 50 Lighting****26 51 Interior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0361	EA		10,000 Lumens, 100 Watt, LED High Bay Fixture (Everlast EL-LED-HB-LG).....	663.86	108.91
			<i>For &gt;50 To 100, Deduct</i>	-22.04	
			<i>For &gt;100 To 250, Deduct</i>	-38.64	
			<i>For &gt;250 To 500, Deduct</i>	-66.39	
			<i>For &gt;500, Deduct</i>	-94.13	
26 51 19 00-0362	EA		15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-HB-LG).....	706.75	108.91
			<i>For &gt;50 To 100, Deduct</i>	-23.11	
			<i>For &gt;100 To 250, Deduct</i>	-40.78	
			<i>For &gt;250 To 500, Deduct</i>	-70.68	
			<i>For &gt;500, Deduct</i>	-100.57	
26 51 19 00-0363	EA		20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-HB-LG).....	766.80	108.91
			<i>For &gt;50 To 100, Deduct</i>	-24.62	
			<i>For &gt;100 To 250, Deduct</i>	-43.79	
			<i>For &gt;250 To 500, Deduct</i>	-76.68	
			<i>For &gt;500, Deduct</i>	-109.57	
<b>26 51 19 00-0364</b>			<b>LED High Bay Fixtures (Everlast EL-LED-LHB) <small>(26 51 19 00-0341)</small></b>		
26 51 19 00-0365	EA		13,000 Lumens, 100 Watt, LED High Bay Fixture (Everlast EL-LED-LHB).....	674.16	108.91
			<i>For &gt;50 To 100, Deduct</i>	-22.30	
			<i>For &gt;100 To 250, Deduct</i>	-39.15	
			<i>For &gt;250 To 500, Deduct</i>	-67.42	
			<i>For &gt;500, Deduct</i>	-95.68	
26 51 19 00-0366	EA		26,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LHB).....	826.85	108.91
			<i>For &gt;50 To 100, Deduct</i>	-26.12	
			<i>For &gt;100 To 250, Deduct</i>	-46.79	
			<i>For &gt;250 To 500, Deduct</i>	-82.69	
			<i>For &gt;500, Deduct</i>	-118.58	
26 51 19 00-0367	EA		39,000 Lumens, 300 Watt, LED High Bay Fixture (Everlast EL-LED-LHB).....	1,024.14	108.91
			<i>For &gt;50 To 100, Deduct</i>	-31.05	
			<i>For &gt;100 To 250, Deduct</i>	-56.65	
			<i>For &gt;250 To 500, Deduct</i>	-102.41	
			<i>For &gt;500, Deduct</i>	-148.18	
<b>26 51 19 00-0368</b>			<b>LED High Bay Fixtures (Lithonia IBL) <small>(26 51 19 00-0303)</small></b>		
			Note: Includes aluminum alloy chassis.		
26 51 19 00-0369	EA		9,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 9L) .....	559.09	108.91
			<i>For &gt;50 To 100, Deduct</i>	-19.42	
			<i>For &gt;100 To 250, Deduct</i>	-33.40	
			<i>For &gt;250 To 500, Deduct</i>	-55.91	
			<i>For &gt;500, Deduct</i>	-78.42	
26 51 19 00-0370	EA		12,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 12L) .....	604.24	108.91
			<i>For &gt;50 To 100, Deduct</i>	-20.55	
			<i>For &gt;100 To 250, Deduct</i>	-35.66	
			<i>For &gt;250 To 500, Deduct</i>	-60.42	
			<i>For &gt;500, Deduct</i>	-85.19	
26 51 19 00-0371	EA		18,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 18L) .....	726.14	108.91
			<i>For &gt;50 To 100, Deduct</i>	-23.60	
			<i>For &gt;100 To 250, Deduct</i>	-41.75	
			<i>For &gt;250 To 500, Deduct</i>	-72.61	
			<i>For &gt;500, Deduct</i>	-103.48	
26 51 19 00-0372	EA		24,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 24L) .....	774.90	108.91
			<i>For &gt;50 To 100, Deduct</i>	-24.82	
			<i>For &gt;100 To 250, Deduct</i>	-44.19	
			<i>For &gt;250 To 500, Deduct</i>	-77.49	
			<i>For &gt;500, Deduct</i>	-110.79	
<b>26 51 19 00-0373</b>			<b>LED High Bay Fixtures (Metalux SSLED) <small>(26 51 19 00-0303)</small></b>		
26 51 19 00-0374	EA		12,000 Lumens, 80 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-12-M-UNV-L840-CD1U) .....	617.40	108.91
			<i>For &gt;50 To 100, Deduct</i>	-20.88	
			<i>For &gt;100 To 250, Deduct</i>	-36.32	
			<i>For &gt;250 To 500, Deduct</i>	-61.74	
			<i>For &gt;500, Deduct</i>	-87.16	
26 51 19 00-0375	EA		15,000 Lumens, 100 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-15-M-UNV-L840-CD1U) .....	633.09	108.91
			<i>For &gt;50 To 100, Deduct</i>	-21.27	
			<i>For &gt;100 To 250, Deduct</i>	-37.10	
			<i>For &gt;250 To 500, Deduct</i>	-63.31	
			<i>For &gt;500, Deduct</i>	-89.52	
26 51 19 00-0376	EA		18,000 Lumens, 120 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-18-M-UNV-L840-CD1U) .....	639.42	108.91
			<i>For &gt;50 To 100, Deduct</i>	-21.43	
			<i>For &gt;100 To 250, Deduct</i>	-37.42	
			<i>For &gt;250 To 500, Deduct</i>	-63.94	
			<i>For &gt;500, Deduct</i>	-90.47	
26 51 19 00-0377	EA		24,000 Lumens, 160 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-24-M-UNV-L840-CD1U) .....	699.61	108.91
			<i>For &gt;50 To 100, Deduct</i>	-22.94	
			<i>For &gt;100 To 250, Deduct</i>	-40.43	
			<i>For &gt;250 To 500, Deduct</i>	-69.96	
			<i>For &gt;500, Deduct</i>	-99.50	
26 51 19 00-0378	EA		30,000 Lumens, 200 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-30-M-UNV-L840-CD1U) .....	769.72	108.91
			<i>For &gt;50 To 100, Deduct</i>	-24.69	
			<i>For &gt;100 To 250, Deduct</i>	-43.93	
			<i>For &gt;250 To 500, Deduct</i>	-76.97	
			<i>For &gt;500, Deduct</i>	-110.01	
26 51 19 00-0379	EA		36,000 Lumens, 240 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-36-M-UNV-L840-CD1U) .....	796.03	108.91
			<i>For &gt;50 To 100, Deduct</i>	-25.35	
			<i>For &gt;100 To 250, Deduct</i>	-45.25	
			<i>For &gt;250 To 500, Deduct</i>	-79.60	
			<i>For &gt;500, Deduct</i>	-113.96	



MINOR	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 51 19 00-0380	LED High Bay Fixtures (PlanLED) <small>(26 51 19 00-0380)</small>		
26 51 19 00-0381	LED High Bay Fixtures (PlanLED LUNA) <small>(26 51 19 00-0380)</small> Note: Includes aluminum alloy chassis.		
26 51 19 00-0382	EA 7,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN70) .....	780.53	108.91
	For >50 To 100, Deduct	-24.96	
	For >100 To 250, Deduct	-44.47	
	For >250 To 500, Deduct	-78.05	
	For >500, Deduct	-111.63	
26 51 19 00-0383	EA 9,800 Lumens, LED High Bay Fixture (PlanLED LUNA LN98) .....	876.60	108.91
	For >50 To 100, Deduct	-27.36	
	For >100 To 250, Deduct	-49.28	
	For >250 To 500, Deduct	-87.66	
	For >500, Deduct	-126.04	
26 51 19 00-0384	EA 13,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN130) .....	1,015.56	108.91
	For >50 To 100, Deduct	-30.83	
	For >100 To 250, Deduct	-56.22	
	For >250 To 500, Deduct	-101.56	
	For >500, Deduct	-146.89	
26 51 19 00-0385	EA 16,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN160) .....	1,151.09	108.91
	For >50 To 100, Deduct	-34.22	
	For >100 To 250, Deduct	-63.00	
	For >250 To 500, Deduct	-115.11	
	For >500, Deduct	-167.22	
26 51 19 00-0386	LED High Bay Fixtures (PlanLED IBL) <small>(26 51 19 00-0380)</small> Note: Includes aluminum alloy chassis.		
26 51 19 00-0387	EA 13,650 Lumens, 130 Watt, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 130W) .....	849.15	108.91
	For 480 Volt, Add	47.49	
	For >50 To 100, Deduct	-26.67	
	For >100 To 250, Deduct	-47.90	
	For >250 To 500, Deduct	-84.92	
	For >500, Deduct	-121.93	
26 51 19 00-0388	EA 21,000 Lumens, 200 Watt, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 200W) .....	1,183.69	108.91
	For 480 Volt, Add	60.01	
	For >50 To 100, Deduct	-35.04	
	For >100 To 250, Deduct	-64.63	
	For >250 To 500, Deduct	-118.37	
	For >500, Deduct	-172.11	
26 51 19 00-0389	EA 42,000 Lumens, 400 Watt, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 400W) .....	2,104.96	108.91
	For 480 Volt, Add	94.88	
	For >50 To 100, Deduct	-58.07	
	For >100 To 250, Deduct	-110.69	
	For >250 To 500, Deduct	-210.50	
	For >500, Deduct	-310.30	
26 51 19 00-0390	LED High Bay Fixtures (PlanLED SEGA) <small>(26 51 19 00-0380)</small> Note: Includes aluminum alloy chassis.		
26 51 19 00-0391	EA 10,400 Lumens, 80 Watt, LED High Bay Fixture (PlanLED SEGA SE080) .....	669.01	108.91
	For 0 To 10 Volt Dimming, Add	73.52	
	For >50 To 100, Deduct	-22.17	
	For >100 To 250, Deduct	-38.90	
	For >250 To 500, Deduct	-66.90	
	For >500, Deduct	-94.91	
26 51 19 00-0392	EA 13,000 Lumens, 100 Watt, LED High Bay Fixture (PlanLED SEGA SE100) .....	715.33	108.91
	For 0 To 10 Volt Dimming, Add	73.52	
	For >50 To 100, Deduct	-23.33	
	For >100 To 250, Deduct	-41.21	
	For >250 To 500, Deduct	-71.53	
	For >500, Deduct	-101.85	
26 51 19 00-0393	EA 16,900 Lumens, 130 Watt, LED High Bay Fixture (PlanLED SEGA SE130) .....	874.88	108.91
	For 0 To 10 Volt Dimming, Add	73.52	
	For >50 To 100, Deduct	-27.32	
	For >100 To 250, Deduct	-49.19	
	For >250 To 500, Deduct	-87.49	
	For >500, Deduct	-125.79	
26 51 19 00-0394	EA 20,800 Lumens, 160 Watt, LED High Bay Fixture (PlanLED SEGA SE160) .....	989.83	108.91
	For 0 To 10 Volt Dimming, Add	73.52	
	For >50 To 100, Deduct	-30.19	
	For >100 To 250, Deduct	-54.94	
	For >250 To 500, Deduct	-98.98	
	For >500, Deduct	-143.03	
26 51 19 00-0395	EA 50,000 Lumens, 400 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE400) .....	1,837.33	108.91
	For >50 To 100, Deduct	-51.38	
	For >100 To 250, Deduct	-97.31	
	For >250 To 500, Deduct	-183.73	
	For >500, Deduct	-270.15	
26 51 19 00-0396	EA 57,040 Lumens, 500 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE500) .....	1,988.30	108.91
	For >50 To 100, Deduct	-55.15	
	For >100 To 250, Deduct	-104.86	
	For >250 To 500, Deduct	-198.83	
	For >500, Deduct	-292.80	
26 51 19 00-0397	EA 80,000 Lumens, 640 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE640) .....	3,024.98	108.91
	For >50 To 100, Deduct	-81.07	
	For >100 To 250, Deduct	-156.69	
	For >250 To 500, Deduct	-302.50	
	For >500, Deduct	-448.30	

**26 Electrical**

**26 50 Lighting**

**26 51 Interior Lighting**



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 51 19 00-0398	Wet/Hazardous Location, LED Fixtures <small>(26 51 19 00-0001)</small>		
26 51 19 00-0399	Wet Location, LED Fixtures <small>(26 51 19 00-0398)</small>		
26 51 19 00-0400	Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM) <small>(26 51 19 00-0399)</small> Note: Includes 5,600K CRI LED arrays, heat and impact resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 19 00-0401	EA 3,531 Lumens, 29 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM3L).....	2,285.88	83.17
	For Ceiling Mount, Add	20.04	
	For Quick Clip Mounting Option, Add	29.46	
	For Frosted Lens, Add	63.36	
	For Warm White Color Rendering, Add	81.56	
	For Stanchion Mount, Add	136.70	
	For Wall Mount, Add	151.31	
	For Polycarbonate Lens, Add	117.44	
	For Teflon Coated Lens, Add	134.48	
	For 480 Volt, Add	192.10	
	For >50 To 100, Deduct	-60.61	
	For >100 To 250, Deduct	-117.76	
	For >250 To 500, Deduct	-228.59	
	For >500, Deduct	-339.42	
26 51 19 00-0402	EA 5,335 Lumens, 43 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM5L).....	2,329.65	89.10
	For Ceiling Mount, Add	20.04	
	For Quick Clip Mounting Option, Add	29.46	
	For Frosted Lens, Add	63.36	
	For Warm White Color Rendering, Add	81.56	
	For Stanchion Mount, Add	136.70	
	For Wall Mount, Add	151.31	
	For Polycarbonate Lens, Add	117.44	
	For Teflon Coated Lens, Add	134.48	
	For 480 Volt, Add	192.10	
	For >50 To 100, Deduct	-61.95	
	For >100 To 250, Deduct	-120.20	
	For >250 To 500, Deduct	-232.97	
	For >500, Deduct	-345.73	
26 51 19 00-0403	EA 7,195 Lumens, 62 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM7L).....	2,631.10	95.04
	For Ceiling Mount, Add	20.04	
	For Quick Clip Mounting Option, Add	29.46	
	For Frosted Lens, Add	63.36	
	For Warm White Color Rendering, Add	81.56	
	For Stanchion Mount, Add	136.70	
	For Wall Mount, Add	151.31	
	For Polycarbonate Lens, Add	117.44	
	For Teflon Coated Lens, Add	134.48	
	For 480 Volt, Add	192.10	
	For >50 To 100, Deduct	-69.74	
	For >100 To 250, Deduct	-135.52	
	For >250 To 500, Deduct	-263.11	
	For >500, Deduct	-390.70	
26 51 19 00-0404	EA 9,266 Lumens, 85 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM9L).....	3,169.02	100.99
	For Ceiling Mount, Add	20.04	
	For Quick Clip Mounting Option, Add	29.46	
	For Frosted Lens, Add	63.36	
	For Warm White Color Rendering, Add	81.56	
	For Stanchion Mount, Add	136.70	
	For Wall Mount, Add	151.31	
	For Polycarbonate Lens, Add	117.44	
	For Teflon Coated Lens, Add	134.48	
	For 480 Volt, Add	192.10	
	For >50 To 100, Deduct	-83.43	
	For >100 To 250, Deduct	-162.66	
	For >250 To 500, Deduct	-316.90	
	For >500, Deduct	-471.15	
26 51 19 00-0405	EA 11,440 Lumens, 113 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM11L).....	4,044.75	106.92
	For Ceiling Mount, Add	20.04	
	For Quick Clip Mounting Option, Add	29.46	
	For Frosted Lens, Add	63.36	
	For Warm White Color Rendering, Add	81.56	
	For Stanchion Mount, Add	136.70	
	For Wall Mount, Add	151.31	
	For Polycarbonate Lens, Add	117.44	
	For Teflon Coated Lens, Add	134.48	
	For 480 Volt, Add	192.10	
	For >50 To 100, Deduct	-105.57	
	For >100 To 250, Deduct	-206.69	
	For >250 To 500, Deduct	-404.48	
	For >500, Deduct	-602.26	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 51 19 00-0406	EA		13,226 Lumens, 131 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM11L).....	5,326.51	109.89
			<i>For Ceiling Mount, Add</i>	20.04	
			<i>For Quick Clip Mounting Option, Add</i>	29.46	
			<i>For Frosted Lens, Add</i>	63.36	
			<i>For Warm White Color Rendering, Add</i>	81.56	
			<i>For Stanchion Mount, Add</i>	136.70	
			<i>For Wall Mount, Add</i>	151.31	
			<i>For Polycarbonate Lens, Add</i>	117.44	
			<i>For Teflon Coated Lens, Add</i>	134.48	
			<i>For 480 Volt, Add</i>	192.10	
			<i>For &gt;50 To 100, Deduct</i>	-137.74	
			<i>For &gt;100 To 250, Deduct</i>	-270.90	
			<i>For &gt;250 To 500, Deduct</i>	-532.65	
			<i>For &gt;500, Deduct</i>	-794.40	

26 51 19 00-0407	EA		18,793 Lumens, 168 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM17L).....	6,171.09	112.86
			<i>For Ceiling Mount, Add</i>	20.04	
			<i>For Quick Clip Mounting Option, Add</i>	29.46	
			<i>For Frosted Lens, Add</i>	63.36	
			<i>For Warm White Color Rendering, Add</i>	81.56	
			<i>For Stanchion Mount, Add</i>	136.70	
			<i>For Wall Mount, Add</i>	151.31	
			<i>For Polycarbonate Lens, Add</i>	117.44	
			<i>For Teflon Coated Lens, Add</i>	134.48	
			<i>For 480 Volt, Add</i>	192.10	
			<i>For &gt;50 To 100, Deduct</i>	-158.98	
			<i>For &gt;100 To 250, Deduct</i>	-313.26	
			<i>For &gt;250 To 500, Deduct</i>	-617.11	
			<i>For &gt;500, Deduct</i>	-920.96	

**26 51 19 00-0408 Wet Location, NEMA 4X, LED Floodlight (Cooper Champ® Pro PFM) (26 51 19 00-**

0399)  
 Note: Includes 5,600K CRI LED arrays, shatter resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

26 51 19 00-0409	EA		5,183 Lumens, 45 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM5L).....	2,058.17	89.10
			<i>For Bolt-On Visor, Add</i>	109.09	
			<i>For Bolt-On Wire Guard, Add</i>	224.37	
			<i>For 480 Volt, Add</i>	192.10	
			<i>For Warm White Color Rendering, Add</i>	81.56	
			<i>For &gt;50 To 100, Deduct</i>	-55.17	
			<i>For &gt;100 To 250, Deduct</i>	-106.62	
			<i>For &gt;250 To 500, Deduct</i>	-205.82	
			<i>For &gt;500, Deduct</i>	-305.01	

26 51 19 00-0410	EA		7,095 Lumens, 62 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM7L).....	3,042.45	95.04
			<i>For Bolt-On Visor, Add</i>	109.09	
			<i>For Bolt-On Wire Guard, Add</i>	224.37	
			<i>For 480 Volt, Add</i>	192.10	
			<i>For Warm White Color Rendering, Add</i>	81.56	
			<i>For &gt;50 To 100, Deduct</i>	-80.02	
			<i>For &gt;100 To 250, Deduct</i>	-156.08	
			<i>For &gt;250 To 500, Deduct</i>	-304.25	
			<i>For &gt;500, Deduct</i>	-452.41	

26 51 19 00-0411	EA		9,132 Lumens, 79 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM9L).....	3,355.19	100.99
			<i>For Bolt-On Visor, Add</i>	109.09	
			<i>For Bolt-On Wire Guard, Add</i>	224.37	
			<i>For 480 Volt, Add</i>	192.10	
			<i>For Warm White Color Rendering, Add</i>	81.56	
			<i>For &gt;50 To 100, Deduct</i>	-88.09	
			<i>For &gt;100 To 250, Deduct</i>	-171.97	
			<i>For &gt;250 To 500, Deduct</i>	-335.52	
			<i>For &gt;500, Deduct</i>	-499.07	

26 51 19 00-0412	EA		11,107 Lumens, 99 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM11L).....	3,853.50	106.92
			<i>For Bolt-On Visor, Add</i>	109.09	
			<i>For Bolt-On Wire Guard, Add</i>	224.37	
			<i>For 480 Volt, Add</i>	192.10	
			<i>For Warm White Color Rendering, Add</i>	81.56	
			<i>For &gt;50 To 100, Deduct</i>	-100.79	
			<i>For &gt;100 To 250, Deduct</i>	-197.13	
			<i>For &gt;250 To 500, Deduct</i>	-385.35	
			<i>For &gt;500, Deduct</i>	-573.57	

**26 51 19 00-0413 Wet Location, NEMA 4X, Low Bay, LED Fixture (Cooper Vaporgard™ Pro**

P2L) (26 51 19 00-0399)  
 Note: Includes 5,600K CRI LED arrays, heat resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

**26 Electrical****26 50 Lighting****26 51 Interior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0414	EA		1,400 Lumens, 25 Watt, Pendant Mount, Wet Location, NEMA 4X, Low Bay, LED Fixture (Cooper Vaporgard™ Pro P2LC).....	1,424.38	83.17
			<i>For 12/24 Volt DC Driver, Add</i>	31.00	
			<i>For Frosted Lens, Add</i>	63.36	
			<i>For 55 Degree Ambient Suitability (AC Only), Add</i>	42.21	
			<i>For Warm White Color Rendering, Add</i>	81.56	
			<i>For Ceiling Mount, Add</i>	96.32	
			<i>For Wall Mount, Add</i>	139.69	
			<i>For Teflon Coated Lens, Add</i>	134.48	
			<i>For Wall Mount With Junction Box, Add</i>	202.93	
			<i>For &gt;50 To 100, Deduct</i>	-39.07	
			<i>For &gt;100 To 250, Deduct</i>	-74.68	
			<i>For &gt;250 To 500, Deduct</i>	-142.44	
			<i>For &gt;500, Deduct</i>	-210.19	
26 51 19 00-0415			<b>Vaportight, LED Fixtures</b> (26 51 19 00-0398)		
26 51 19 00-0416			<b>General Distribution, Vaportight, LED Fixtures (Metalux)</b> (26 51 19 00-0415)		
26 51 19 00-0417	EA		2', 2,000 Lumens, 16 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-2-G-UNV-L850-CD1-U).....	268.41	47.53
			<i>For &gt;50 To 100, Deduct</i>	-8.69	
			<i>For &gt;100 To 250, Deduct</i>	-15.40	
			<i>For &gt;250 To 500, Deduct</i>	-26.84	
			<i>For &gt;500, Deduct</i>	-38.28	
26 51 19 00-0418	EA		2', 3,000 Lumens, 24 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-3-G-UNV-L850-CD1-U).....	279.68	47.53
			<i>For &gt;50 To 100, Deduct</i>	-8.97	
			<i>For &gt;100 To 250, Deduct</i>	-15.96	
			<i>For &gt;250 To 500, Deduct</i>	-27.97	
			<i>For &gt;500, Deduct</i>	-39.97	
26 51 19 00-0419	EA		2', 4,000 Lumens, 32 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-4-G-UNV-L850-CD1-U).....	302.25	47.53
			<i>For &gt;50 To 100, Deduct</i>	-9.54	
			<i>For &gt;100 To 250, Deduct</i>	-17.09	
			<i>For &gt;250 To 500, Deduct</i>	-30.23	
			<i>For &gt;500, Deduct</i>	-43.36	
26 51 19 00-0420	EA		4', 4,000 Lumens, 32 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-4-G-UNV-L850-CD1-U).....	272.68	59.40
			<i>For &gt;50 To 100, Deduct</i>	-9.29	
			<i>For &gt;100 To 250, Deduct</i>	-16.11	
			<i>For &gt;250 To 500, Deduct</i>	-27.27	
			<i>For &gt;500, Deduct</i>	-38.43	
26 51 19 00-0421	EA		4', 6,000 Lumens, 51 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-6-G-UNV-L850-CD1-U).....	305.04	59.40
			<i>For &gt;50 To 100, Deduct</i>	-10.10	
			<i>For &gt;100 To 250, Deduct</i>	-17.73	
			<i>For &gt;250 To 500, Deduct</i>	-30.50	
			<i>For &gt;500, Deduct</i>	-43.28	
26 51 19 00-0422	EA		4', 8,000 Lumens, 67 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-8-G-UNV-L850-CD1-U).....	423.58	59.40
			<i>For &gt;50 To 100, Deduct</i>	-13.06	
			<i>For &gt;100 To 250, Deduct</i>	-23.65	
			<i>For &gt;250 To 500, Deduct</i>	-42.36	
			<i>For &gt;500, Deduct</i>	-61.06	
26 51 19 00-0423			<b>Wide Distribution, Vaportight, LED Fixtures (Metalux)</b> (26 51 19 00-0415)		
26 51 19 00-0424	EA		2', 2,000 Lumens, 17 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-2-W-UNV-L850-CD1-U).....	290.97	47.53
			<i>For &gt;50 To 100, Deduct</i>	-9.25	
			<i>For &gt;100 To 250, Deduct</i>	-16.53	
			<i>For &gt;250 To 500, Deduct</i>	-29.10	
			<i>For &gt;500, Deduct</i>	-41.67	
26 51 19 00-0425	EA		2', 3,000 Lumens, 25 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-3-W-UNV-L850-CD1-U).....	302.25	47.53
			<i>For &gt;50 To 100, Deduct</i>	-9.54	
			<i>For &gt;100 To 250, Deduct</i>	-17.09	
			<i>For &gt;250 To 500, Deduct</i>	-30.23	
			<i>For &gt;500, Deduct</i>	-43.36	
26 51 19 00-0426	EA		2', 4,000 Lumens, 34 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-4-W-UNV-L850-CD1-U).....	324.81	47.53
			<i>For &gt;50 To 100, Deduct</i>	-10.10	
			<i>For &gt;100 To 250, Deduct</i>	-18.22	
			<i>For &gt;250 To 500, Deduct</i>	-32.48	
			<i>For &gt;500, Deduct</i>	-46.74	
26 51 19 00-0427	EA		4', 4,000 Lumens, 31 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-4-W-UNV-L850-CD1-U).....	378.46	59.40
			<i>For &gt;50 To 100, Deduct</i>	-11.94	
			<i>For &gt;100 To 250, Deduct</i>	-21.40	
			<i>For &gt;250 To 500, Deduct</i>	-37.85	
			<i>For &gt;500, Deduct</i>	-54.29	
26 51 19 00-0428	EA		4', 6,000 Lumens, 49 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-6-W-UNV-L850-CD1-U).....	423.58	59.40
			<i>For &gt;50 To 100, Deduct</i>	-13.06	
			<i>For &gt;100 To 250, Deduct</i>	-23.65	
			<i>For &gt;250 To 500, Deduct</i>	-42.36	
			<i>For &gt;500, Deduct</i>	-61.06	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 51 19 00-0429	EA		4', 8,000 Lumens, 70 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-8-W-UNV-L850-CD1-U) .....	468.71	59.40
			<i>For &gt;50 To 100, Deduct</i>	-14.19	
			<i>For &gt;100 To 250, Deduct</i>	-25.91	
			<i>For &gt;250 To 500, Deduct</i>	-46.87	
			<i>For &gt;500, Deduct</i>	-67.83	
<b>26 51 19 00-0430</b>			<b>Parking Garage Distribution, Vaportight, LED Fixtures (Metalux) <small>(26 51 19 00-0415)</small></b>		
26 51 19 00-0431	EA		2', 2,000 Lumens, 17 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-2-P-UNV-L850-CD1-U).....	290.97	47.53
			<i>For &gt;50 To 100, Deduct</i>	-9.25	
			<i>For &gt;100 To 250, Deduct</i>	-16.53	
			<i>For &gt;250 To 500, Deduct</i>	-29.10	
			<i>For &gt;500, Deduct</i>	-41.67	
26 51 19 00-0432	EA		2', 3,000 Lumens, 25 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-3-P-UNV-L850-CD1-U).....	303.11	47.53
			<i>For &gt;50 To 100, Deduct</i>	-9.56	
			<i>For &gt;100 To 250, Deduct</i>	-17.14	
			<i>For &gt;250 To 500, Deduct</i>	-30.31	
			<i>For &gt;500, Deduct</i>	-43.49	
26 51 19 00-0433	EA		2', 4,000 Lumens, 34 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-4-P-UNV-L850-CD1-U).....	324.81	47.53
			<i>For &gt;50 To 100, Deduct</i>	-10.10	
			<i>For &gt;100 To 250, Deduct</i>	-18.22	
			<i>For &gt;250 To 500, Deduct</i>	-32.48	
			<i>For &gt;500, Deduct</i>	-46.74	
26 51 19 00-0434	EA		4', 4,000 Lumens, 31 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-4-P-UNV-L850-CD1-U).....	378.46	59.40
			<i>For &gt;50 To 100, Deduct</i>	-11.94	
			<i>For &gt;100 To 250, Deduct</i>	-21.40	
			<i>For &gt;250 To 500, Deduct</i>	-37.85	
			<i>For &gt;500, Deduct</i>	-54.29	
26 51 19 00-0435	EA		4', 6,000 Lumens, 49 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-6-P-UNV-L850-CD1-U).....	423.58	59.40
			<i>For &gt;50 To 100, Deduct</i>	-13.06	
			<i>For &gt;100 To 250, Deduct</i>	-23.65	
			<i>For &gt;250 To 500, Deduct</i>	-42.36	
			<i>For &gt;500, Deduct</i>	-61.06	
26 51 19 00-0436	EA		4', 8,000 Lumens, 69 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-8-P-UNV-L850-CD1-U).....	468.71	59.40
			<i>For &gt;50 To 100, Deduct</i>	-14.19	
			<i>For &gt;100 To 250, Deduct</i>	-25.91	
			<i>For &gt;250 To 500, Deduct</i>	-46.87	
			<i>For &gt;500, Deduct</i>	-67.83	
<b>26 51 19 00-0437</b>			<b>Ceiling Mounted LED Fixtures <small>(26 51 19 00-0001)</small></b>		
<b>26 51 19 00-0438</b>			<b>Ceiling Mounted, LED Drum Fixtures (Enertron) <small>(26 51 19 00-0437)</small></b>		
26 51 19 00-0439	EA		11" Diameter, 530 Lumens, 7 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X611-30) .....	124.42	39.60
			<i>For &gt;50 To 100, Deduct</i>	-4.60	
			<i>For &gt;100 To 250, Deduct</i>	-7.71	
			<i>For &gt;250 To 500, Deduct</i>	-12.44	
			<i>For &gt;500, Deduct</i>	-17.18	
26 51 19 00-0440	EA		11" Diameter, 1,060 Lumens, 10 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X611-30) .....	130.88	39.60
			<i>For &gt;50 To 100, Deduct</i>	-4.76	
			<i>For &gt;100 To 250, Deduct</i>	-8.03	
			<i>For &gt;250 To 500, Deduct</i>	-13.09	
			<i>For &gt;500, Deduct</i>	-18.15	
26 51 19 00-0441	EA		11" Diameter, 1,590 Lumens, 14 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X611-30) .....	137.33	39.60
			<i>For &gt;50 To 100, Deduct</i>	-4.92	
			<i>For &gt;100 To 250, Deduct</i>	-8.35	
			<i>For &gt;250 To 500, Deduct</i>	-13.73	
			<i>For &gt;500, Deduct</i>	-19.11	
26 51 19 00-0442	EA		11" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X611-30) .....	143.79	39.60
			<i>For &gt;50 To 100, Deduct</i>	-5.08	
			<i>For &gt;100 To 250, Deduct</i>	-8.67	
			<i>For &gt;250 To 500, Deduct</i>	-14.38	
			<i>For &gt;500, Deduct</i>	-20.08	
26 51 19 00-0443	EA		14" Diameter, 530 Lumens, 7 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X614-30) .....	137.06	43.56
			<i>For &gt;50 To 100, Deduct</i>	-5.06	
			<i>For &gt;100 To 250, Deduct</i>	-8.49	
			<i>For &gt;250 To 500, Deduct</i>	-13.71	
			<i>For &gt;500, Deduct</i>	-18.93	
26 51 19 00-0444	EA		14" Diameter, 1,060 Lumens, 10 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X614-30) .....	143.51	43.56
			<i>For &gt;50 To 100, Deduct</i>	-5.22	
			<i>For &gt;100 To 250, Deduct</i>	-8.81	
			<i>For &gt;250 To 500, Deduct</i>	-14.35	
			<i>For &gt;500, Deduct</i>	-19.89	
26 51 19 00-0445	EA		14" Diameter, 1,590 Lumens, 14 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X614-30) .....	149.97	43.56
			<i>For &gt;50 To 100, Deduct</i>	-5.38	
			<i>For &gt;100 To 250, Deduct</i>	-9.13	
			<i>For &gt;250 To 500, Deduct</i>	-15.00	
			<i>For &gt;500, Deduct</i>	-20.86	
26 51 19 00-0446	EA		14" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X614-30) .....	156.43	43.56
			<i>For &gt;50 To 100, Deduct</i>	-5.54	
			<i>For &gt;100 To 250, Deduct</i>	-9.46	
			<i>For &gt;250 To 500, Deduct</i>	-15.64	
			<i>For &gt;500, Deduct</i>	-21.83	

**26 Electrical**

**26 50 Lighting**

**26 51 Interior Lighting**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 51 19 00-0447	EA 14" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X614-30) .....	169.34	43.56
	For >50 To 100, Deduct	-5.87	
	For >100 To 250, Deduct	-10.10	
	For >250 To 500, Deduct	-16.93	
	For >500, Deduct	-23.77	
26 51 19 00-0448	EA 11" Diameter, 530 Lumens, 7 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X611-35) .....	124.42	39.60
	For >50 To 100, Deduct	-4.60	
	For >100 To 250, Deduct	-7.71	
	For >250 To 500, Deduct	-12.44	
	For >500, Deduct	-17.18	
26 51 19 00-0449	EA 11" Diameter, 1,060 Lumens, 10 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X611-35) .....	130.88	39.60
	For >50 To 100, Deduct	-4.76	
	For >100 To 250, Deduct	-8.03	
	For >250 To 500, Deduct	-13.09	
	For >500, Deduct	-18.15	
26 51 19 00-0450	EA 11" Diameter, 1,590 Lumens, 14 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED3X611-35) .....	137.33	39.60
	For >50 To 100, Deduct	-4.92	
	For >100 To 250, Deduct	-8.35	
	For >250 To 500, Deduct	-13.73	
	For >500, Deduct	-19.11	
26 51 19 00-0451	EA 11" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X611-35) .....	143.79	39.60
	For >50 To 100, Deduct	-5.08	
	For >100 To 250, Deduct	-8.67	
	For >250 To 500, Deduct	-14.38	
	For >500, Deduct	-20.08	
26 51 19 00-0452	EA 14" Diameter, 530 Lumens, 7 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X614-35) .....	137.06	43.56
	For >50 To 100, Deduct	-5.06	
	For >100 To 250, Deduct	-8.49	
	For >250 To 500, Deduct	-13.71	
	For >500, Deduct	-18.93	
26 51 19 00-0453	EA 14" Diameter, 1,060 Lumens, 10 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X614-35) .....	143.51	43.56
	For >50 To 100, Deduct	-5.22	
	For >100 To 250, Deduct	-8.81	
	For >250 To 500, Deduct	-14.35	
	For >500, Deduct	-19.89	
26 51 19 00-0454	EA 14" Diameter, 1,590 Lumens, 14 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED3X614-35) .....	149.97	43.56
	For >50 To 100, Deduct	-5.38	
	For >100 To 250, Deduct	-9.13	
	For >250 To 500, Deduct	-15.00	
	For >500, Deduct	-20.86	
26 51 19 00-0455	EA 14" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X614-35) .....	156.43	43.56
	For >50 To 100, Deduct	-5.54	
	For >100 To 250, Deduct	-9.46	
	For >250 To 500, Deduct	-15.64	
	For >500, Deduct	-21.83	
26 51 19 00-0456	EA 14" Diameter, 3,180 Lumens, 24 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED6X614-30) .....	169.34	43.56
	For >50 To 100, Deduct	-5.87	
	For >100 To 250, Deduct	-10.10	
	For >250 To 500, Deduct	-16.93	
	For >500, Deduct	-23.77	
26 51 19 00-0457	EA 11" Diameter, 550 Lumens, 7 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X611-40) .....	124.42	39.60
	For >50 To 100, Deduct	-4.60	
	For >100 To 250, Deduct	-7.71	
	For >250 To 500, Deduct	-12.44	
	For >500, Deduct	-17.18	
26 51 19 00-0458	EA 11" Diameter, 1,100 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X611-40) .....	130.88	39.60
	For >50 To 100, Deduct	-4.76	
	For >100 To 250, Deduct	-8.03	
	For >250 To 500, Deduct	-13.09	
	For >500, Deduct	-18.15	
26 51 19 00-0459	EA 11" Diameter, 1,650 Lumens, 14 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED3X611-40) .....	137.33	39.60
	For >50 To 100, Deduct	-4.92	
	For >100 To 250, Deduct	-8.35	
	For >250 To 500, Deduct	-13.73	
	For >500, Deduct	-19.11	
26 51 19 00-0460	EA 11" Diameter, 2,200 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X611-40) .....	143.79	39.60
	For >50 To 100, Deduct	-5.08	
	For >100 To 250, Deduct	-8.67	
	For >250 To 500, Deduct	-14.38	
	For >500, Deduct	-20.08	
26 51 19 00-0461	EA 14" Diameter, 550 Lumens, 7 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X614-40) .....	137.06	43.56
	For >50 To 100, Deduct	-5.06	
	For >100 To 250, Deduct	-8.49	
	For >250 To 500, Deduct	-13.71	
	For >500, Deduct	-18.93	
26 51 19 00-0462	EA 14" Diameter, 1,100 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X614-40) .....	143.51	43.56
	For >50 To 100, Deduct	-5.22	
	For >100 To 250, Deduct	-8.81	
	For >250 To 500, Deduct	-14.35	
	For >500, Deduct	-19.89	
26 51 19 00-0463	EA 14" Diameter, 1,650 Lumens, 14 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED3X614-40) .....	149.97	43.56
	For >50 To 100, Deduct	-5.38	
	For >100 To 250, Deduct	-9.13	
	For >250 To 500, Deduct	-15.00	
	For >500, Deduct	-20.86	
26 51 19 00-0464	EA 14" Diameter, 2,200 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X614-40) .....	156.43	43.56
	For >50 To 100, Deduct	-5.54	
	For >100 To 250, Deduct	-9.46	
	For >250 To 500, Deduct	-15.64	
	For >500, Deduct	-21.83	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 51 19 00-0465	EA 14" Diameter, 3,300 Lumens, 24 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED6X614-40) .....	169.34		43.56
	For >50 To 100, Deduct	-5.87		
	For >100 To 250, Deduct	-10.10		
	For >250 To 500, Deduct	-16.93		
	For >500, Deduct	-23.77		
26 51 19 00-0466	EA 11" Diameter, 560 Lumens, 7 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED1X611-50) .....	124.42		39.60
	For >50 To 100, Deduct	-4.60		
	For >100 To 250, Deduct	-7.71		
	For >250 To 500, Deduct	-12.44		
	For >500, Deduct	-17.18		
26 51 19 00-0467	EA 11" Diameter, 1,120 Lumens, 10 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED2X611-50) .....	130.88		39.60
	For >50 To 100, Deduct	-4.76		
	For >100 To 250, Deduct	-8.03		
	For >250 To 500, Deduct	-13.09		
	For >500, Deduct	-18.15		
26 51 19 00-0468	EA 11" Diameter, 1,680 Lumens, 14 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED3X611-50) .....	137.33		39.60
	For >50 To 100, Deduct	-4.92		
	For >100 To 250, Deduct	-8.35		
	For >250 To 500, Deduct	-13.73		
	For >500, Deduct	-19.11		
26 51 19 00-0469	EA 11" Diameter, 2,240 Lumens, 17 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED4X611-50) .....	143.79		39.60
	For >50 To 100, Deduct	-5.08		
	For >100 To 250, Deduct	-8.67		
	For >250 To 500, Deduct	-14.38		
	For >500, Deduct	-20.08		
26 51 19 00-0470	EA 14" Diameter, 560 Lumens, 7 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X614-40) .....	137.06		43.56
	For >50 To 100, Deduct	-5.06		
	For >100 To 250, Deduct	-8.49		
	For >250 To 500, Deduct	-13.71		
	For >500, Deduct	-18.93		
26 51 19 00-0471	EA 14" Diameter, 1,120 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X614-40) .....	143.51		43.56
	For >50 To 100, Deduct	-5.22		
	For >100 To 250, Deduct	-8.81		
	For >250 To 500, Deduct	-14.35		
	For >500, Deduct	-19.89		
26 51 19 00-0472	EA 14" Diameter, 1,680 Lumens, 14 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED3X614-40) .....	149.97		43.56
	For >50 To 100, Deduct	-5.38		
	For >100 To 250, Deduct	-9.13		
	For >250 To 500, Deduct	-15.00		
	For >500, Deduct	-20.86		
26 51 19 00-0473	EA 14" Diameter, 2,240 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X614-40) .....	156.43		43.56
	For >50 To 100, Deduct	-5.54		
	For >100 To 250, Deduct	-9.46		
	For >250 To 500, Deduct	-15.64		
	For >500, Deduct	-21.83		
26 51 19 00-0474	EA 14" Diameter, 3,360 Lumens, 24 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED6X614-40) .....	169.34		43.56
	For >50 To 100, Deduct	-5.87		
	For >100 To 250, Deduct	-10.10		
	For >250 To 500, Deduct	-16.93		
	For >500, Deduct	-23.77		
26 51 19 00-0475	EA 19" Diameter, 1,060 Lumens, 10 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-30) .....	174.03		47.02
	For >50 To 100, Deduct	-6.13		
	For >100 To 250, Deduct	-10.48		
	For >250 To 500, Deduct	-17.40		
	For >500, Deduct	-24.32		
26 51 19 00-0476	EA 19" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X619-30) .....	188.70		47.02
	For >50 To 100, Deduct	-6.50		
	For >100 To 250, Deduct	-11.22		
	For >250 To 500, Deduct	-18.87		
	For >500, Deduct	-26.52		
26 51 19 00-0477	EA 19" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X12S19-30) .....	185.12		47.02
	For >50 To 100, Deduct	-6.41		
	For >100 To 250, Deduct	-11.04		
	For >250 To 500, Deduct	-18.51		
	For >500, Deduct	-25.99		
26 51 19 00-0478	EA 19" Diameter, 1,910 Lumens, 18 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-30) .....	185.07		47.02
	For >50 To 100, Deduct	-6.41		
	For >100 To 250, Deduct	-11.04		
	For >250 To 500, Deduct	-18.51		
	For >500, Deduct	-25.98		
26 51 19 00-0479	EA 19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30) .....	201.61		47.02
	For >50 To 100, Deduct	-6.82		
	For >100 To 250, Deduct	-11.86		
	For >250 To 500, Deduct	-20.16		
	For >500, Deduct	-28.46		
26 51 19 00-0480	EA 19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30) .....	196.27		47.02
	For >50 To 100, Deduct	-6.69		
	For >100 To 250, Deduct	-11.60		
	For >250 To 500, Deduct	-19.63		
	For >500, Deduct	-27.66		
26 51 19 00-0481	EA 19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30) .....	218.63		47.02
	For >50 To 100, Deduct	-7.25		
	For >100 To 250, Deduct	-12.71		
	For >250 To 500, Deduct	-21.86		
	For >500, Deduct	-31.01		
26 51 19 00-0482	EA 19" Diameter, 3,820 Lumens, 32 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-30) .....	211.35		47.02
	For >50 To 100, Deduct	-7.07		
	For >100 To 250, Deduct	-12.35		
	For >250 To 500, Deduct	-21.14		
	For >500, Deduct	-29.92		

**26 Electrical**

**26 50 Lighting**

**26 51 Interior Lighting**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 51 19 00-0483	EA 19" Diameter, 4,240 Lumens, 32 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-30).....	211.41	47.02
	For >50 To 100, Deduct	-7.07	
	For >100 To 250, Deduct	-12.35	
	For >250 To 500, Deduct	-21.14	
	For >500, Deduct	-29.93	
26 51 19 00-0484	EA 19" Diameter, 1,060 Lumens, 10 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X12S19-35).....	174.03	47.02
	For >50 To 100, Deduct	-6.13	
	For >100 To 250, Deduct	-10.48	
	For >250 To 500, Deduct	-17.40	
	For >500, Deduct	-24.32	
26 51 19 00-0485	EA 19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X619-35).....	188.70	47.02
	For >50 To 100, Deduct	-6.50	
	For >100 To 250, Deduct	-11.22	
	For >250 To 500, Deduct	-18.87	
	For >500, Deduct	-26.52	
26 51 19 00-0486	EA 19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35).....	185.12	47.02
	For >50 To 100, Deduct	-6.41	
	For >100 To 250, Deduct	-11.04	
	For >250 To 500, Deduct	-18.51	
	For >500, Deduct	-25.99	
26 51 19 00-0487	EA 19" Diameter, 1,910 Lumens, 18 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X12H19-35).....	185.07	47.02
	For >50 To 100, Deduct	-6.41	
	For >100 To 250, Deduct	-11.04	
	For >250 To 500, Deduct	-18.51	
	For >500, Deduct	-25.98	
26 51 19 00-0488	EA 19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30).....	201.61	47.02
	For >50 To 100, Deduct	-6.82	
	For >100 To 250, Deduct	-11.86	
	For >250 To 500, Deduct	-20.16	
	For >500, Deduct	-28.46	
26 51 19 00-0489	EA 19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30).....	196.27	47.02
	For >50 To 100, Deduct	-6.69	
	For >100 To 250, Deduct	-11.60	
	For >250 To 500, Deduct	-19.63	
	For >500, Deduct	-27.66	
26 51 19 00-0490	EA 19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30).....	218.63	47.02
	For >50 To 100, Deduct	-7.25	
	For >100 To 250, Deduct	-12.71	
	For >250 To 500, Deduct	-21.86	
	For >500, Deduct	-31.01	
26 51 19 00-0491	EA 19" Diameter, 3,820 Lumens, 32 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12H19-35).....	211.35	47.02
	For >50 To 100, Deduct	-7.07	
	For >100 To 250, Deduct	-12.35	
	For >250 To 500, Deduct	-21.14	
	For >500, Deduct	-29.92	
26 51 19 00-0492	EA 19" Diameter, 4,240 Lumens, 32 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X12S19-35).....	211.41	47.02
	For >50 To 100, Deduct	-7.07	
	For >100 To 250, Deduct	-12.35	
	For >250 To 500, Deduct	-21.14	
	For >500, Deduct	-29.93	
26 51 19 00-0493	EA 19" Diameter, 1,100 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-40).....	174.03	47.02
	For >50 To 100, Deduct	-6.13	
	For >100 To 250, Deduct	-10.48	
	For >250 To 500, Deduct	-17.40	
	For >500, Deduct	-24.32	
26 51 19 00-0494	EA 19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35).....	188.70	47.02
	For >50 To 100, Deduct	-6.50	
	For >100 To 250, Deduct	-11.22	
	For >250 To 500, Deduct	-18.87	
	For >500, Deduct	-26.52	
26 51 19 00-0495	EA 19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35).....	185.12	47.02
	For >50 To 100, Deduct	-6.41	
	For >100 To 250, Deduct	-11.04	
	For >250 To 500, Deduct	-18.51	
	For >500, Deduct	-25.99	
26 51 19 00-0496	EA 19" Diameter, 2,000 Lumens, 18 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-40).....	185.07	47.02
	For >50 To 100, Deduct	-6.41	
	For >100 To 250, Deduct	-11.04	
	For >250 To 500, Deduct	-18.51	
	For >500, Deduct	-25.98	
26 51 19 00-0497	EA 19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30).....	201.61	47.02
	For >50 To 100, Deduct	-6.82	
	For >100 To 250, Deduct	-11.86	
	For >250 To 500, Deduct	-20.16	
	For >500, Deduct	-28.46	
26 51 19 00-0498	EA 19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30).....	196.27	47.02
	For >50 To 100, Deduct	-6.69	
	For >100 To 250, Deduct	-11.60	
	For >250 To 500, Deduct	-19.63	
	For >500, Deduct	-27.66	
26 51 19 00-0499	EA 19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30).....	218.63	47.02
	For >50 To 100, Deduct	-7.25	
	For >100 To 250, Deduct	-12.71	
	For >250 To 500, Deduct	-21.86	
	For >500, Deduct	-31.01	
26 51 19 00-0500	EA 19" Diameter, 4,000 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-40).....	211.35	47.02
	For >50 To 100, Deduct	-7.07	
	For >100 To 250, Deduct	-12.35	
	For >250 To 500, Deduct	-21.14	
	For >500, Deduct	-29.92	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0501	EA		19" Diameter, 4,400 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-40) ..... For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	211.41 -7.07 -12.35 -21.14 -29.93	47.02
26 51 19 00-0502	EA		19" Diameter, 1,120 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-50) ..... For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	174.03 -6.13 -10.48 -17.40 -24.32	47.02
26 51 19 00-0503	EA		19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35) ..... For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	188.70 -6.50 -11.22 -18.87 -26.52	47.02
26 51 19 00-0504	EA		19" Diameter, 2,240 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12S19-50) ..... For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	185.12 -6.41 -11.04 -18.51 -25.99	47.02
26 51 19 00-0505	EA		19" Diameter, 2,010 Lumens, 18 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-50) ..... For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	185.07 -6.41 -11.04 -18.51 -25.98	47.02
26 51 19 00-0506	EA		19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30) ..... For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	201.61 -6.82 -11.86 -20.16 -28.46	47.02
26 51 19 00-0507	EA		19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30) ..... For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	196.27 -6.69 -11.60 -19.63 -27.66	47.02
26 51 19 00-0508	EA		19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30) ..... For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	218.63 -7.25 -12.71 -21.86 -31.01	47.02
26 51 19 00-0509	EA		19" Diameter, 4,020 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-50) ..... For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	211.35 -7.07 -12.35 -21.14 -29.92	47.02
26 51 19 00-0510	EA		19" Diameter, 4,480 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-50) ..... For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	211.41 -7.07 -12.35 -21.14 -29.93	47.02
<b>26 51 19 00-0511</b>			<b>Ceiling Mounted, LED Mushroom Fixtures (Mobern)</b> <small>(26 51 19 00-0437)</small>		
26 51 19 00-0512	EA		14" Diameter, 800 Lumens, 12 Watt, LED Ceiling Fixture (Mobern 6814LED12MV30) ..... For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	159.12 -5.61 -9.59 -15.91 -22.23	43.56
<b>26 51 19 00-0513</b>			<b>Ceiling Mounted, LED Fixtures (Sylvania)</b> <small>(26 51 19 00-0437)</small>		
26 51 19 00-0514	EA		12.5" x 12.5" x 2.32" Deep, 4,200 Lumens, 35 Watt, LED Garage Light Fixture (Sylvania GARAG1/035UNVD740/G5/SV/D) ..... For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	576.74 -16.20 -30.62 -57.67 -84.73	47.02
26 51 19 00-0515	EA		2' x 2', 32 Watt, 120-277 Volt, 4000K CCT, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD840/22G/WH + SMKIT1A/24A/WH) ..... For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	224.82 -7.11 -12.73 -22.48 -32.24	39.60
26 51 19 00-0516	EA		2' x 4', 32 Watt, 120-277 Volt, 3500K CCT, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD835/24G/WH + SMKIT1A/24A/WH) ..... For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	279.46 -8.72 -15.71 -27.95 -40.19	46.14
26 51 19 00-0517	EA		2' x 4', 32 Watt, 120-277 Volt, 4000K CCT, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD840/24G/WH + SMKIT1A/24A/WH) ..... For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	282.67 -8.80 -15.87 -28.27 -40.67	46.14
<b>26 51 19 00-0518</b>			<b>Refrigeration/Display LED Fixtures</b> <small>(26 51 19 00-0001)</small>		

**26 Electrical****26 50 Lighting****26 51 Interior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0519			<b>Refrigeration/Display LED Fixtures (Lithonia)</b> <small>(26 51 19 00-0518)</small>		
			Note: Fixtures exclude driver.		
26 51 19 00-0520	EA		5' Length, Center Mount, Refrigeration/Display, Vertical LED Fixture (Lithonia FSV5 CM) .....	250.92	46.14
			For >50 To 100, Deduct	-8.01	
			For >100 To 250, Deduct	-14.28	
			For >250 To 500, Deduct	-25.09	
			For >500, Deduct	-35.91	
26 51 19 00-0521	EA		5' Length, Left And Right Mount (Pair), Refrigeration/Display, Vertical LED Fixture (Lithonia FSVDRVL RLEM DLC) .....	328.84	81.68
			For >50 To 100, Deduct	-11.31	
			For >100 To 250, Deduct	-19.54	
			For >250 To 500, Deduct	-32.88	
			For >500, Deduct	-46.23	
26 51 19 00-0522	EA		Up To 5 Door Configuration, LED Driver For Refrigeration/Display, Vertical LED Fixtures (Lithonia FSVDRVL) .....	303.08	65.35
			For >50 To 100, Deduct	-10.05	
			For >100 To 250, Deduct	-17.63	
			For >250 To 500, Deduct	-30.31	
			For >500, Deduct	-42.99	
26 51 19 00-0523			<b>Pendant Mount, LED Fixtures</b> <small>(26 51 19 00-0001)</small>		
26 51 19 00-0524			<b>Pendant Mount, Circular Architectural LED Fixtures (Delray Lighting)</b> <small>(26 51 19 00-0523)</small>		
26 51 19 00-0525	EA		2,166 Lumens, 2' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC2 W W35 S) .....	2,116.33	100.99
			For >50 To 100, Deduct	-57.12	
			For >100 To 250, Deduct	-110.02	
			For >250 To 500, Deduct	-211.63	
			For >500, Deduct	-313.24	
26 51 19 00-0526	EA		3,250 Lumens, 3' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC3 W W35 S) .....	3,191.25	106.92
			For >50 To 100, Deduct	-84.24	
			For >100 To 250, Deduct	-164.02	
			For >250 To 500, Deduct	-319.13	
			For >500, Deduct	-474.23	
26 51 19 00-0527	EA		4,333 Lumens, 4' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC4 W W35 S) .....	4,072.97	112.86
			For >50 To 100, Deduct	-106.53	
			For >100 To 250, Deduct	-208.35	
			For >250 To 500, Deduct	-407.30	
			For >500, Deduct	-606.24	
26 51 19 00-0528	EA		5,416 Lumens, 5' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC5 W W35 S) .....	5,147.89	118.81
			For >50 To 100, Deduct	-133.65	
			For >100 To 250, Deduct	-262.34	
			For >250 To 500, Deduct	-514.79	
			For >500, Deduct	-767.23	
26 51 19 00-0529	EA		2,166 Lumens, 2' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC2 S W35 S) .....	2,244.07	100.99
			For >50 To 100, Deduct	-60.31	
			For >100 To 250, Deduct	-116.41	
			For >250 To 500, Deduct	-224.41	
			For >500, Deduct	-332.40	
26 51 19 00-0530	EA		3,250 Lumens, 3' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC3 S W35 S) .....	3,360.50	106.92
			For >50 To 100, Deduct	-88.47	
			For >100 To 250, Deduct	-172.48	
			For >250 To 500, Deduct	-336.05	
			For >500, Deduct	-499.62	
26 51 19 00-0531	EA		4,333 Lumens, 4' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC4 S W35 S) .....	4,243.82	112.86
			For >50 To 100, Deduct	-110.80	
			For >100 To 250, Deduct	-216.89	
			For >250 To 500, Deduct	-424.38	
			For >500, Deduct	-631.87	
26 51 19 00-0532	EA		5,416 Lumens, 5' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC5 S W35 S) .....	5,339.50	118.81
			For >50 To 100, Deduct	-138.44	
			For >100 To 250, Deduct	-271.93	
			For >250 To 500, Deduct	-533.95	
			For >500, Deduct	-795.97	
26 51 19 00-0533			<b>Pendant Mount, LED Commercial Fixtures (DMF)</b> <small>(26 51 19 00-0523)</small>		
26 51 19 00-0534	EA		3,000 Lumens, 18-1/4" Diameter, Pendant Mount, LED Commercial Fixture (DMF DP610LED) .....	822.32	59.40
			For >50 To 100, Deduct	-23.03	
			For >100 To 250, Deduct	-43.59	
			For >250 To 500, Deduct	-82.23	
			For >500, Deduct	-120.87	
26 51 19 00-0535			<b>LED Track Lighting Fixtures</b> <small>(26 51 19)</small>		
26 51 19 00-0536	EA		19 Watt, Dimmable, LED Track Lighting Fixture (Juno® TRAC-MASTER® Cylindra™) .....	179.19	18.09
			For >50 To 100, Deduct	-5.16	
			For >100 To 250, Deduct	-9.64	
			For >250 To 500, Deduct	-17.92	
			For >500, Deduct	-26.20	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0537	EA		18 Watt, Dimmable, LED Track Lighting Fixture (HALO® Stasis L805MED).....	311.64	18.09
			<i>For &gt;50 To 100, Deduct</i>	-8.47	
			<i>For &gt;100 To 250, Deduct</i>	-16.26	
			<i>For &gt;250 To 500, Deduct</i>	-31.16	
			<i>For &gt;500, Deduct</i>	-46.07	
26 51 19 00-0538	EA		24 Watt, Dimmable, LED Track Lighting Fixture (Amerlux CNTRV33) .....	184.22	18.09
			<i>For &gt;50 To 100, Deduct</i>	-5.28	
			<i>For &gt;100 To 250, Deduct</i>	-9.89	
			<i>For &gt;250 To 500, Deduct</i>	-18.42	
			<i>For &gt;500, Deduct</i>	-26.96	
<b>26 51 23 HID Interior Lighting (26 51)</b>					
26 51 23 00-0001			Large Interior Area Fixtures (26 51 23)		
26 51 23 00-0002			Recessed Mounted, Large Interior Area Fixtures (26 51 23 00-0001) Note: Cast aluminum socket housing, anodized aluminum reflector, tempered glass or acrylic lens, plaster mounting frames and brackets.		
26 51 23 00-0003			High Pressure Sodium, Recessed Mounted, Large Interior Area Fixtures (26 51 23 00-0002)		
26 51 23 00-0004	EA		150 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture .....	332.36	115.53
26 51 23 00-0005	EA		250 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture .....	347.31	122.68
26 51 23 00-0006	EA		400 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture .....	369.29	140.02
26 51 23 00-0007			Metal Halide, Recessed Mounted, Large Interior Area Fixtures (26 51 23 00-0002)		
26 51 23 00-0008	EA		150 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture .....	340.02	115.53
26 51 23 00-0009	EA		250 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture .....	350.22	122.68
26 51 23 00-0010	EA		400 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture .....	380.32	140.02
26 51 23 00-0011			Low Bay Fixtures, Large Interior Area Fixtures (26 51 23 00-0001) Note: Heavy duty steel housing, aluminum reflector, tempered glass or acrylic lens. Low bay fixtures are for mounting below 20-25 feet.		
26 51 23 00-0012			High Pressure Sodium, Low Bay Fixtures (26 51 23 00-0011)		
26 51 23 00-0013	EA		150 Watt High Pressure Sodium, Low Bay Fixture .....	369.42	105.54
26 51 23 00-0014	EA		250 Watt High Pressure Sodium, Low Bay Fixture .....	380.57	112.08
26 51 23 00-0015	EA		400 Watt High Pressure Sodium, Low Bay Fixture .....	405.54	127.91
26 51 23 00-0016			Metal Halide, Low Bay Fixtures (26 51 23 00-0011)		
26 51 23 00-0017	EA		175 Watt Metal Halide, Low Bay Fixture .....	368.27	105.54
26 51 23 00-0018	EA		250 Watt Metal Halide, Low Bay Fixture .....	378.77	112.08
26 51 23 00-0019	EA		400 Watt Metal Halide, Low Bay Fixture .....	412.53	127.91
26 51 23 00-0020			High Bay Fixtures, Large Interior Area Fixtures (26 51 23 00-0001) Note: High bay fixtures are for mounting above 20-25 feet. See CSI section 01 22 23 00-0001 for lifts.		
26 51 23 00-0021			High Pressure Sodium, High Bay Fixtures (26 51 23 00-0020) Note: Includes heavy duty steel housing and aluminum reflector. Excludes lens.		
26 51 23 00-0022	EA		250 Watt High Pressure Sodium, High Bay Fixture .....	343.64	112.08
26 51 23 00-0023	EA		400 Watt High Pressure Sodium, High Bay Fixture .....	372.50	127.91
26 51 23 00-0024	EA		1,000 Watt High Pressure Sodium, High Bay Fixture .....	536.40	134.55
26 51 23 00-0025			Metal Halide, High Bay Fixtures (26 51 23 00-0020) Note: Includes heavy duty steel housing and aluminum reflector. Excludes lens.		
26 51 23 00-0026	EA		250 Watt Metal Halide, High Bay Fixture .....	324.49	112.08
26 51 23 00-0027	EA		400 Watt Metal Halide, High Bay Fixture .....	358.11	127.91
26 51 23 00-0028	EA		1,000 Watt Metal Halide, High Bay Fixture .....	459.60	134.55
26 51 23 00-0029			Induction, High Bay Fixtures (26 51 23 00-0020)		
26 51 23 00-0030			Induction, High Bay Fixtures (Everlast®) (26 51 23 00-0029) Note: Includes die cast aluminum ballast casing and acrylic lens.		
26 51 23 00-0031	EA		100 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC) .....	431.26	98.02
			<i>For Impact Resistant Silicon Lens, Add</i>	20.00	
26 51 23 00-0032	EA		120 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC) .....	462.40	101.28
			<i>For Impact Resistant Silicon Lens, Add</i>	20.00	
26 51 23 00-0033	EA		150 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC) .....	470.96	104.55
			<i>For Impact Resistant Silicon Lens, Add</i>	20.00	
26 51 23 00-0034	EA		200 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC) .....	512.92	107.82
			<i>For Impact Resistant Silicon Lens, Add</i>	20.00	
26 51 23 00-0035	EA		250 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC) .....	526.01	111.09
			<i>For Impact Resistant Silicon Lens, Add</i>	20.00	
26 51 23 00-0036	EA		100 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC) .....	462.86	98.02
			<i>For Impact Resistant Silicon Lens, Add</i>	20.00	
26 51 23 00-0037	EA		120 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC) .....	494.00	101.28
			<i>For Impact Resistant Silicon Lens, Add</i>	20.00	
26 51 23 00-0038	EA		150 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC) .....	502.56	104.55
			<i>For Impact Resistant Silicon Lens, Add</i>	20.00	
26 51 23 00-0039	EA		200 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC) .....	544.53	107.82
			<i>For Impact Resistant Silicon Lens, Add</i>	20.00	

**26 Electrical****26 50 Lighting****26 51 Interior Lighting**
 MINOR  
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 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 51 23 00-0040	EA	250 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC) ..... <i>For Impact Resistant Silicon Lens, Add</i>	557.61 20.00	111.09
26 51 23 00-0041		<b>Ceiling Mounted, Large Interior Area Fixtures</b> <small>(26 51 23 00-0001)</small> Note: Heavy duty aluminum housing, aluminum reflector, acrylic drop dish lens, fully gasketed.		
26 51 23 00-0042		<b>High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixtures</b> <small>(26 51 23 00-0041)</small>		
26 51 23 00-0043	EA	100 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture .....	289.13	75.11
26 51 23 00-0044	EA	150 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture .....	554.40	75.11
26 51 23 00-0045	EA	250 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture .....	636.57	75.11
26 51 23 00-0046	EA	400 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture .....	850.17	75.11
26 51 23 00-0047		<b>Metal Halide, Ceiling Mounted, Large Interior Area Fixtures</b> <small>(26 51 23 00-0041)</small>		
26 51 23 00-0048	EA	100 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture .....	279.13	75.11
26 51 23 00-0049	EA	175 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture .....	295.08	83.34
26 51 23 00-0050	EA	250 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture .....	314.44	90.27
26 51 23 00-0051	EA	400 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture .....	351.73	107.51
26 51 23 00-0052		<b>High Pressure Sodium, Recessed Fixture Housings</b> <small>(26 51 23)</small>		
26 51 23 00-0053	EA	4" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing.....	107.88	31.21
26 51 23 00-0054	EA	5" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing.....	111.97	31.21
26 51 23 00-0055	EA	6" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing.....	117.54	32.51
26 51 23 00-0056	EA	7" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing.....	121.94	33.92
26 51 23 00-0057	EA	8" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing.....	126.30	35.33
26 51 23 00-0058	EA	10" To 12" Square, High Pressure Sodium, T Or ICT Recessed Fixture Housing.....	130.64	37.49
26 51 23 00-0059		<b>Metal Halide Track Lighting Fixtures</b> <small>(26 51 23)</small>		
26 51 23 00-0060	EA	Metal Halide Track Lighting Fixture.....	69.04	18.09
26 51 23 00-0061		<b>Metal Halide, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures</b> <small>(26 51 23)</small>		
26 51 23 00-0062	EA	75 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture .....	160.13	43.35
26 51 23 00-0063	EA	100 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture .....	165.00	43.35
26 51 23 00-0064	EA	150 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture .....	174.88	43.35
26 51 23 00-0065	EA	175 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture .....	189.74	43.35
26 51 23 00-0066		<b>High Pressure Sodium, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures</b> <small>(26 51 23)</small>		
26 51 23 00-0067	EA	70 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture .....	148.56	43.35
26 51 23 00-0068	EA	100 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	154.60	43.35
26 51 23 00-0069	EA	150 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	177.96	43.35
<b>26 51 33</b>		<b>Interior Lighting Accessories</b> <small>(26 51)</small>		
26 51 33 00-0001		<b>Accessories And Modifiers For Fixtures</b> <small>(26 51 33)</small>		
26 51 33 00-0002		<b>Lens Modifications</b> <small>(26 51 33 00-0001)</small>		
26 51 33 00-0003	EA	For 1' x 2' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	30.42	
26 51 33 00-0004	EA	For 1' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	37.57	
26 51 33 00-0005	EA	For 2' x 2' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	39.36	
26 51 33 00-0006	EA	For 2' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	42.94	
26 51 33 00-0007	EA	For 4' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	51.89	
26 51 33 00-0008	EA	For 1' x 2' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	12.52	
26 51 33 00-0009	EA	For 1' x 4' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	17.89	
26 51 33 00-0010	EA	For 2' x 2' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	19.68	
26 51 33 00-0011	EA	For 2' x 4' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	23.26	
26 51 33 00-0012		<b>Pendant Mounting Modifications</b> <small>(26 51 33 00-0001)</small> Note: Per pendant. Use demolition cost for associated light fixture for demolition of pendant mounted light fixture assembly.		
26 51 33 00-0013	EA	For Pendant Mounting Up to 1'-6" Long Section..... Note: Per pendant.	13.60	
26 51 33 00-0014	EA	For Pendant Mounting 2' Long Section..... Note: Per pendant.	15.74	
26 51 33 00-0015	EA	For Pendant Mounting 3' Long Section..... Note: Per pendant.	20.15	
26 51 33 00-0016	EA	For Pendant Mounting 4' Long Section..... Note: Per pendant.	23.80	
26 51 33 00-0017	EA	For Pendant Mounting 6' Long Section..... Note: Per pendant.	30.06	
26 51 33 00-0018	EA	For Pendant Mounting 8' Long Section..... Note: Per pendant.	40.79	
26 51 33 00-0019		<b>Fluorescent Light Accessories</b> <small>(26 51 33 00-0001)</small>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 51 33 00-0020	EA		Blank Metal Light Box Plate.....	16.81	
26 51 33 00-0021	EA		Factory Installed Fixture Mounted Occupancy Sensor .....	137.75	

**26 51 33 00-0022 Wire Guards** (26 51 33 00-0001)

26 51 33 00-0023	EA		Wire Guard for 6" x 2' Fixture.....	58.69	5.43
26 51 33 00-0024	EA		Wire Guard for 6" x 4' Fixture.....	82.42	8.69
26 51 33 00-0025	EA		Wire Guard for 1" x 2' Fixture.....	65.51	5.98
26 51 33 00-0026	EA		Wire Guard for 1" x 4' Fixture.....	93.07	9.23
26 51 33 00-0027	EA		Wire Guard for 2" x 2' Fixture.....	79.99	6.52
26 51 33 00-0028	EA		Wire Guard for 2" x 4' Fixture.....	109.46	9.77

**26 51 33 00-0029 Lighting Accessories** (26 51 33)

**26 51 33 00-0030 Modular Flexible Wiring Systems** (26 51 33 00-0029)

26 51 33 00-0031	EA		10' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-10) .....	84.99	5.85
26 51 33 00-0032	EA		15' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-15) .....	100.04	5.85
26 51 33 00-0033	EA		20' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-20) .....	120.85	5.85
26 51 33 00-0034	EA		15' Length, 2-Circuit, Modular Lighting Cable (Day-Brite LC-27-2E-15) .....	100.04	5.85
26 51 33 00-0035	EA		3 Out, 3-Circuit, Modular Lighting Interface (Day-Brite LI-27-3E) .....	84.45	5.85
26 51 33 00-0036	EA		13' Length, 2-Circuit, Modular Reddy-Connect Cable (Day-Brite RC-27-2D-13) .....	126.35	5.85
26 51 33 00-0037	EA		3" Length, 2-Circuit, Modular Lighting Adapter (Day-Brite LA-27-7M) .....	68.99	5.85
26 51 33 00-0038	EA		3" Length, 2-Circuit, Modular Lighting Tap (Day-Brite LT-27-2E).....	78.26	5.85
26 51 33 00-0039	EA		7' Length, Single Level, Modular Lighting Switch Unit (Day-Brite LS-27-SL-07).....	101.36	5.85
26 51 33 00-0040	EA		7' Length, 1-Circuit Multi-Level, Modular Lighting Switch Unit (Day-Brite LS-27-ML-07).....	101.36	5.85
26 51 33 00-0041	EA		7' Length, 2-Circuit Multi-Level, Modular Lighting Switch Unit (Day-Brite LS-27-2C-07).....	103.10	5.85
26 51 33 00-0042	EA		7' Length, 1st 3-Way, Modular Lighting Switch Unit (Day-Brite LS-27-3A-07).....	102.46	5.85
26 51 33 00-0043	EA		7' Length, 2nd 3-Way, Modular Lighting Switch Unit (Day-Brite LS-27-3B-07).....	102.46	5.85
26 51 33 00-0044	EA		15' Length, Single Level, Modular Lighting Switch Unit (Day-Brite LS-27-SL-15).....	118.05	5.85
26 51 33 00-0045	EA		3" Length, 2-Circuit, Modular Lighting Adapter (Day-Brite LA-27-4D).....	53.18	5.85
26 51 33 00-0046	EA		3" Length, 1-Circuit, Modular Lighting Distribution Cable (Day-Brite LD-27-1E).....	49.54	5.85
26 51 33 00-0047	EA		3" Length, 2-Circuit, Modular Lighting Distribution Cable (Day-Brite LD-27-2E).....	50.81	5.85
26 51 33 00-0048	EA		3" Length, 1-Circuit, Modular Lighting Tap (Day-Brite LT-27-1E).....	64.30	5.85
26 51 33 00-0049	EA		15' Length, 1-Circuit, Modular Lighting Tap (Day-Brite LT-27-1E-15).....	84.99	5.85
26 51 33 00-0050	EA		15' Length, 1-Circuit, Modular Lighting Tap (Day-Brite LC-27-1E-15).....	87.19	5.85
26 51 33 00-0051	EA		Modular Lighting Junction Or Circuit Splitter (Day-Brite LJ-27-3E).....	67.65	5.85
26 51 33 00-0052	EA		3" Length, 1-Circuit, Modular Power Distribution Cable (Day-Brite PD-12-1E).....	49.54	5.85
26 51 33 00-0053	EA		Removal And Reinstallation Of Modular Wiring Complete Including Storage And Cleaning .....	48.76	

**26 51 33 00-0054 Additional Lighting Wire Whips** (26 51 33)

26 51 33 00-0055	LF		For Each Additional LF Of Interior Lighting Wire Whip, Add .....	1.49	
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Note: Wire whips are included with interior lighting fixtures, where necessary, up to six feet in length. Use this task for additional required whip length. For example, if the fixture requires a 15' wire whip then use 9 LF of this task to reach required length.

**26 51 33 00-0056 Removal And Reinstallation Of Light Fixtures** (26 51 33)

26 51 33 00-0057	EA		Removal And Reinstallation Of Lay-In Fluorescent Light Fixture.....	115.34	
26 51 33 00-0058	EA		Removal And Reinstallation Of Surface Mounted Or Pendant Light Fixture.....	131.81	

Note: Includes disconnection of wire, on-site storage, general cleaning, installation and electrical wire hook-up.

**26 52 Safety Lighting** (26 50)

**26 52 13 Emergency and Exit Lighting** (26 52)

**26 52 13 13 Emergency Lighting** (26 52 13)

**26 52 13 13-0001 Commercial Emergency Lights** (26 52 13 13)

**26 52 13 13-0002 Polycarbonate Housing, Commercial Emergency Lights** (26 52 13 13-0001)

Note: Includes lead-calcium batteries and two adjustable lamp heads.					
26 52 13 13-0003	EA		3 Max Wattage At 90 Minutes, 3.6 Volt, Polycarbonate Housing, LED Lamps, Commercial Emergency Light (Lithonia ELM2 LED) .....	204.24	27.10
26 52 13 13-0004	EA		10.8 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM2) .....	141.17	27.10
			For Halogen Lamps, Add .....	27.55	
			For Self-Diagnostics, Add .....	87.50	
26 52 13 13-0005	EA		18 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM618) .....	223.71	27.10
			For Halogen Lamps, Add .....	27.55	
			For Self-Diagnostics, Add .....	87.50	
26 52 13 13-0006	EA		27 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM627) .....	261.08	27.10
			For Halogen Lamps, Add .....	27.55	
			For Self-Diagnostics, Add .....	87.50	
26 52 13 13-0007	EA		54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM654) .....	389.48	27.10
			For Halogen Lamps, Add .....	27.55	
			For Self-Diagnostics, Add .....	87.50	
26 52 13 13-0008	EA		54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1254) .....	441.61	27.10
			For Halogen Lamps, Add .....	27.55	
			For Self-Diagnostics, Add .....	87.50	

**26 Electrical****26 50 Lighting****26 52 Safety Lighting**
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26 52 13 13-0009	EA	72 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1272).....	644.69	27.10
		<i>For Halogen Lamps, Add</i>	27.55	
		<i>For Self-Diagnostics, Add</i>	87.50	
<b>26 52 13 13-0010</b>		<b>Remote Heads For Commercial Emergency Lights</b> <small>(26 52 13 13-0001)</small>		
		Note: For use with fixtures that have remote capability.		
26 52 13 13-0011	EA	6 Watt, 6 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H0606).....	138.23	16.26
26 52 13 13-0012	EA	6 Watt, 6 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0606).....	139.17	16.26
26 52 13 13-0013	EA	8 Watt, 8 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0806).....	142.33	16.26
26 52 13 13-0014	EA	12 Watt, 12 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H1212).....	141.82	16.26
26 52 13 13-0015	EA	12 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H1212).....	122.46	16.26
26 52 13 13-0016	EA	12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206).....	84.03	16.26
<b>26 52 13 13-0017</b>		<b>Industrial Emergency Lights</b> <small>(26 52 13 13)</small>		
<b>26 52 13 13-0018</b>		<b>Painted Steel Housing, Industrial Emergency Lights</b> <small>(26 52 13 13-0017)</small>		
<b>26 52 13 13-0019</b>		<b>Painted Steel Housing, Industrial Emergency Lights</b> <small>(26 52 13 13-0018)</small>		
		Note: Includes lead-calcium batteries and two adjustable lamp heads.		
26 52 13 13-0020	EA	16 Max Wattage At 90 Minutes, 6 Volt, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT16).....	361.12	27.10
		<i>For Wireguard, Add</i>	184.68	
26 52 13 13-0021	EA	24 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT24).....	302.80	27.10
		<i>For Wireguard, Add</i>	184.68	
26 52 13 13-0022	EA	36 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT36).....	473.24	27.10
		<i>For Wireguard, Add</i>	184.68	
26 52 13 13-0023	EA	50 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT50).....	502.66	27.10
		<i>For Wireguard, Add</i>	184.68	
26 52 13 13-0024	EA	125 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT125).....	718.37	27.10
		<i>For Wireguard, Add</i>	196.70	
26 52 13 13-0025	EA	275 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT275).....	1,131.03	27.10
		<i>For Wireguard, Add</i>	196.70	
<b>26 52 13 13-0026</b>		<b>Remote Heads For Painted Steel Housing, Industrial Emergency Lights</b> <small>(26 52 13 13-0018)</small>		
		Note: For use with fixtures that have remote capability.		
26 52 13 13-0027	EA	8 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N0806).....	106.18	16.26
		<i>For Wireguard, Add</i>	149.04	
26 52 13 13-0028	EA	12 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206).....	109.84	16.26
		<i>For Wireguard, Add</i>	149.04	
26 52 13 13-0029	EA	8 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H0812).....	106.69	16.26
		<i>For Wireguard, Add</i>	149.04	
26 52 13 13-0030	EA	12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1212).....	107.28	16.26
		<i>For Wireguard, Add</i>	149.04	
26 52 13 13-0031	EA	12 Watt, 25 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N2512).....	109.84	16.26
		<i>For Wireguard, Add</i>	149.04	
26 52 13 13-0032	EA	12 Watt, 25 Volt, Aluminum Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA MT N2512).....	128.43	16.26
		<i>For Wireguard, Add</i>	149.04	
<b>26 52 13 13-0033</b>		<b>Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights</b> <small>(26 52 13 13-0017)</small>		
<b>26 52 13 13-0034</b>		<b>Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights</b> <small>(26 52 13 13-0033)</small>		
		Note: Includes lead-calcium batteries and two adjustable lamp heads.		
26 52 13 13-0035	EA	18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND618).....	356.43	27.10
		<i>For Wireguard, Add</i>	179.56	
		<i>For Self-Diagnostics, Add</i>	105.50	
26 52 13 13-0036	EA	36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1236).....	387.55	27.10
		<i>For Wireguard, Add</i>	179.56	
		<i>For Self-Diagnostics, Add</i>	105.50	
26 52 13 13-0037	EA	54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND654).....	379.03	27.10
		<i>For Wireguard, Add</i>	179.56	
		<i>For Self-Diagnostics, Add</i>	105.50	
26 52 13 13-0038	EA	54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1254).....	400.77	27.10
		<i>For Wireguard, Add</i>	179.56	
		<i>For Self-Diagnostics, Add</i>	105.50	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 52 13 13-0039	EA		100 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND12100).....	676.16	27.10
				<i>For Wireguard, Add</i>	179.56	
				<i>For Self-Diagnostics, Add</i>	105.50	
	26 52 13 13-0040	EA		18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX618).....	530.79	27.10
				<i>For Wireguard, Add</i>	179.56	
				<i>For Self-Diagnostics, Add</i>	61.50	
	26 52 13 13-0041	EA		36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1236).....	594.74	27.10
				<i>For Wireguard, Add</i>	179.56	
				<i>For Self-Diagnostics, Add</i>	61.50	
	26 52 13 13-0042	EA		54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1254).....	627.14	27.10
				<i>For Wireguard, Add</i>	179.56	
				<i>For Self-Diagnostics, Add</i>	61.50	
	<b>26 52 13 13-0043</b>			<b>Remote Heads For Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights</b> <small>(26 52 13 13-0033)</small>		
				Note: For use with fixtures that have remote capability.		
	26 52 13 13-0044	EA		9 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0906).....	92.11	16.26
	26 52 13 13-0045	EA		12 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1206).....	99.53	16.26
	26 52 13 13-0046	EA		9 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0912).....	92.19	16.26
	26 52 13 13-0047	EA		12 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1212).....	97.65	16.26
	26 52 13 13-0048	EA		12 Watt, 20 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H2012).....	83.63	16.26
	<b>26 52 13 13-0049</b>			<b>Outdoor Emergency Lights</b> <small>(26 52 13 13)</small>		
	<b>26 52 13 13-0050</b>			<b>Gasketed Die-Cast Aluminum Housing, Outdoor Emergency Lights</b> <small>(26 52 13 13-0049)</small>		
				Note: Includes nickel-cadmium batteries.		
	26 52 13 13-0051	EA		10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light (Dual-Lite PG Series).....	561.91	27.10
	26 52 13 13-0052	EA		10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light With Heater (Dual-Lite PG Series).....	670.62	27.10
	<b>26 52 13 13-0053</b>			<b>Recessed Emergency Lights</b> <small>(26 52 13 13)</small>		
	26 52 13 13-0054	EA		10 Watt At 90 Minutes, 6 Volt, Halogen Lamp, 8" Round, Recessed High-Hat Emergency Light (Lithonia ELRG).....	612.34	27.10
				<i>For Wire Guard, Add</i>	60.00	
	26 52 13 13-0055	EA		16 Max Wattage At 90 Minutes, 6 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR2).....	483.72	54.18
				Note: Includes lead-calcium batteries and two adjustable lamp heads.		
				<i>For Wireguard, Add</i>	196.70	
	26 52 13 13-0056	EA		50 Max Wattage At 90 Minutes, 12 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR4).....	694.41	54.18
				Note: Includes lead-calcium batteries and two adjustable lamp heads.		
				<i>For Wireguard, Add</i>	196.70	
	<b>26 52 13 13-0057</b>			<b>Square Wraparound Emergency Lights</b> <small>(26 52 13 13)</small>		
	26 52 13 13-0058	EA		10 Max Wattage At 90 Minutes, 6 Volt, Halogen Lamp, 10-5/16" x 10-5/16" Lexan Frame, Square Wraparound Emergency Light (Lithonia ELSQ).....	280.04	27.10
	<b>26 52 13 16</b>			<b>Exit Signs</b> <small>(26 52 13)</small>		
				Note: Excludes pendants.		
	<b>26 52 13 16-0001</b>			<b>LED Exit Signs</b> <small>(26 52 13 16)</small>		
				Note: Includes red LED lamps.		
	26 52 13 16-0002	EA		Single Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM-S-W-3-R-120/277-M6).....	165.56	39.61
				<i>For Green LED Lamps, Add</i>	15.00	
				<i>For &gt;50 To 100, Deduct</i>	-6.12	
				<i>For &gt;100 To 250, Deduct</i>	-10.26	
				<i>For &gt;250 To 500, Deduct</i>	-16.56	
				<i>For &gt;500, Deduct</i>	-22.85	
	26 52 13 16-0003	EA		Double Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM-S-W-3-R-120/277-M6).....	165.56	39.61
				<i>For Green LED Lamps, Add</i>	15.00	
				<i>For &gt;50 To 100, Deduct</i>	-6.12	
				<i>For &gt;100 To 250, Deduct</i>	-10.26	
				<i>For &gt;250 To 500, Deduct</i>	-16.56	
				<i>For &gt;500, Deduct</i>	-22.85	
	26 52 13 16-0004	EA		Single Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM-S-W-3-R-120/277-EL-N-M6).....	230.13	39.61
				<i>For Green LED Lamps, Add</i>	15.00	
				<i>For Self-Diagnostics, Add</i>	50.00	
				<i>For &gt;50 To 100, Deduct</i>	-7.73	
				<i>For &gt;100 To 250, Deduct</i>	-13.49	
				<i>For &gt;250 To 500, Deduct</i>	-23.01	
				<i>For &gt;500, Deduct</i>	-32.54	

**26 Electrical****26 50 Lighting****26 52 Safety Lighting**
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26 52 13 16-0005	EA	Double Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM ELN) .....	230.13	39.61
		For Green LED Lamps, Add	15.00	
		For Self-Diagnostics, Add	50.00	
		For >50 To 100, Deduct	-7.73	
		For >100 To 250, Deduct	-13.49	
		For >250 To 500, Deduct	-23.01	
		For >500, Deduct	-32.54	
26 52 13 16-0006	EA	Single Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC-W-1-R) .....	253.21	39.61
		For Green LED Lamps, Add	15.00	
		For >50 To 100, Deduct	-8.31	
		For >100 To 250, Deduct	-14.64	
		For >250 To 500, Deduct	-25.32	
		For >500, Deduct	-36.00	
26 52 13 16-0007	EA	Double Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC-W-2-R) .....	286.87	39.61
		For Green LED Lamps, Add	15.00	
		For >50 To 100, Deduct	-9.15	
		For >100 To 250, Deduct	-16.32	
		For >250 To 500, Deduct	-28.69	
		For >500, Deduct	-41.05	
26 52 13 16-0008	EA	Single Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC-W-1-R-EL-N) .....	239.14	39.61
		For Green LED Lamps, Add	15.00	
		For Self-Diagnostics, Add	50.00	
		For >50 To 100, Deduct	-7.96	
		For >100 To 250, Deduct	-13.94	
		For >250 To 500, Deduct	-23.91	
		For >500, Deduct	-33.89	
26 52 13 16-0009	EA	Double Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC-W-2-R-EL-N) .....	263.57	39.61
		For Green LED Lamps, Add	15.00	
		For Self-Diagnostics, Add	50.00	
		For >50 To 100, Deduct	-8.57	
		For >100 To 250, Deduct	-15.16	
		For >250 To 500, Deduct	-26.36	
		For >500, Deduct	-37.55	
26 52 13 16-0010	EA	Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM-S-W-3-R-M4) .....	304.50	39.61
		Note: Includes two circular side mounted krypton emergency lights.		
		For Green LED Lamps, Add	15.00	
		For >50 To 100, Deduct	-10.32	
		For >100 To 250, Deduct	-17.93	
		For >250 To 500, Deduct	-30.45	
		For >500, Deduct	-42.97	
26 52 13 16-0011	EA	Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM-LED-R-M6) .....	279.61	39.61
		Note: Includes two circular side mounted LED emergency lights.		
		For Green LED Lamps, Add	15.00	
		For >50 To 100, Deduct	-9.70	
		For >100 To 250, Deduct	-16.69	
		For >250 To 500, Deduct	-27.96	
		For >500, Deduct	-39.23	
26 52 13 16-0012	EA	Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM-PH) .....	380.92	39.61
		Note: Includes two rectangular front mounted high intensity tungsten emergency lights.		
		For Green LED Lamps, Add	15.00	
		For >50 To 100, Deduct	-12.23	
		For >100 To 250, Deduct	-21.76	
		For >250 To 500, Deduct	-38.09	
		For >500, Deduct	-54.43	
26 52 13 16-0013	EA	Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM) .....	398.66	39.61
		Note: Includes two circular side mounted PAR 36 emergency lights.		
		For Green LED Lamps, Add	15.00	
		For >50 To 100, Deduct	-12.68	
		For >100 To 250, Deduct	-22.64	
		For >250 To 500, Deduct	-39.87	
		For >500, Deduct	-57.09	
26 52 13 16-0014	EA	Single Or Double Face, Polycarbonate Housing, LED Emergency Exit Sign (Eaton Lighting APX6R) .....	111.17	39.61
		For >50 To 100, Deduct	-4.76	
		For >100 To 250, Deduct	-7.54	
		For >250 To 500, Deduct	-11.12	
		For >500, Deduct	-14.69	
26 52 13 16-0015	EA	120-277 Volt, LED Emergency Exit Sign With Nickel Cadmium Battery, Red (Cooper Industries APX7R) .....	111.58	39.61
		For >50 To 100, Deduct	-4.77	
		For >100 To 250, Deduct	-7.56	
		For >250 To 500, Deduct	-11.16	
		For >500, Deduct	-14.76	
26 52 13 16-0016		<b>Edge-Lit LED Exit Signs</b> <small>(26 52 13 16)</small>		
		Note: Includes red LED lamps.		
26 52 13 16-0017	EA	Single Face, Edge-Lit LED Exit Sign (Lithonia EDG-1- R-M6) .....	225.89	39.61
		For Green LED Lamps, Add	40.00	
		For >50 To 100, Deduct	-7.63	
		For >100 To 250, Deduct	-13.28	
		For >250 To 500, Deduct	-22.59	
		For >500, Deduct	-31.90	
26 52 13 16-0018	EA	Double Face, Edge-Lit LED Exit Sign (Lithonia EDG-2-R-M6) .....	228.22	39.61
		For Green LED Lamps, Add	40.00	
		For >50 To 100, Deduct	-7.69	
		For >100 To 250, Deduct	-13.39	
		For >250 To 500, Deduct	-22.82	
		For >500, Deduct	-32.25	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Safety Lighting</b>	<b>26 52</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 52 13 16-0019	EA Single Face, Edge-Lit LED Exit Sign With Battery Back-Up (Lithonia EDG-1-R-EL-M6)..... <i>For Green LED Lamps, Add</i> <i>For Self-Diagnostics, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	243.97 40.00 50.00 -8.08 -14.18 -24.40 -34.61	39.61
26 52 13 16-0020	EA Double Face, Edge-Lit LED Exit Sign With Battery Back-Up (Lithonia EDG-2-R-EL-M6)..... <i>For Green LED Lamps, Add</i> <i>For Self-Diagnostics, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	291.05 40.00 50.00 -9.26 -16.53 -29.11 -41.68	39.61
<b>26 52 13 16-0021 Self-Luminous Tritium Exit Signs <small>(26 52 13 16)</small></b>			
Note: Includes red or green tritium filled pyrex glass light tubes with phosphor coating.			
26 52 13 16-0022	EA 10 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-S-10-R)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	478.25 -13.94 -25.89 -47.83 -69.76	39.61
26 52 13 16-0023	EA 10 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-D-10-R)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	876.85 -23.90 -45.82 -87.69 -129.55	39.61
26 52 13 16-0024	EA 20 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-S-20-R)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	569.06 -16.21 -30.43 -56.91 -83.38	39.61
26 52 13 16-0025	EA 20 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-D-20-R)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	949.75 -25.72 -49.47 -94.98 -140.48	39.61
26 52 13 16-0026	EA 10 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-01-10-R)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	523.44 -15.07 -28.15 -52.34 -76.54	39.61
26 52 13 16-0027	EA 10 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-07-10-R)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	949.75 -25.72 -49.47 -94.98 -140.48	39.61
26 52 13 16-0028	EA 20 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-01-20-R)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	641.53 -18.02 -34.06 -64.15 -94.25	39.61
26 52 13 16-0029	EA 20 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-07-20-R)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	1,178.25 -31.44 -60.89 -117.83 -174.76	39.61
<b>26 52 13 16-0030 Vandal-Resistant LED Exit Signs <small>(26 52 13 16)</small></b>			
Note: Includes red LED lamps.			
26 52 13 16-0031	EA Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign (Lithonia LV-S-W-1-R-120/277)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	451.40 -13.27 -24.55 -45.14 -65.73	39.61
26 52 13 16-0032	EA Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup (Lithonia LV-S-W-1-R-120/277-EL-N)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	698.23 -19.44 -36.89 -69.82 -102.75	39.61
26 52 13 16-0033	EA Single Face, Aluminum Housing, NEMA 4X, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup (Lithonia LV-S-1-R-120/277-EL-N-UM-4X)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	849.57 -23.22 -44.46 -84.96 -125.45	39.61
<b>26 52 13 16-0034 Removal And Reinstallation Of Exit Light Fixture <small>(26 52 13 16)</small></b>			
Note: Includes storage, cleaning and supply materials.			

**26 Electrical**

**26 50 Lighting**

**26 52 Safety Lighting**



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 52 13 16-0035	EA	Removal And Reinstall Of Exit Light Fixtures ..... Note: Includes storage and cleaning.	81.28	
		For >50 To 100, Deduct	-4.06	
		For >100 To 250, Deduct	-6.10	
		For >250 To 500, Deduct	-8.13	
		For >500, Deduct	-10.16	

**26 52 13 16-0036 Exit Sign Accessories** (26 52 13 16)

26 52 13 16-0037	EA	Polycarbonate Vandal Shield For Exit Signs (Radiant-Lite BG-1).....	106.95	10.86
		For >50 To 100, Deduct	-3.22	
		For >100 To 250, Deduct	-5.89	
		For >250 To 500, Deduct	-10.70	
		For >500, Deduct	-15.50	
26 52 13 16-0038	EA	Wire Guard For Exit Signs Or Emergency Lights (Best Lighting Products WG-1) .....	62.88	10.86
		For >50 To 100, Deduct	-2.11	
		For >100 To 250, Deduct	-3.69	
		For >250 To 500, Deduct	-6.29	
		For >500, Deduct	-8.89	
26 52 13 16-0039	EA	Wire Guard For Combination Exit Sign And Emergency Light (Best Lighting Products WG-3) .....	99.72	8.69
		For >50 To 100, Deduct	-2.93	
		For >100 To 250, Deduct	-5.42	
		For >250 To 500, Deduct	-9.97	
		For >500, Deduct	-14.52	
26 52 13 16-0040	EA	Removal And Replacement Of Battery For Exit Signs .....	107.20	
		Note: Battery: nickel cadmium, 1.2 volt, 1 Ah battery capacity		
		For >50 To 100, Deduct	-3.36	
		For >100 To 250, Deduct	-6.04	
		For >250 To 500, Deduct	-10.72	
		For >500, Deduct	-15.40	

**26 54 Classified Location Lighting** (26 50)

**26 54 19 LED Classified Location Lighting** (26 54)

26 54 19 00-0001 Class I Division 2, Hazardous Location, LED Fixtures (26 54 19)

26 54 19 00-0002 Class I Division 2, Hazardous Location, NEMA 4X, LED Floodlight (Cooper Champ® FMV) (26 54 19 00-0001)

Note: Includes 5,600K CRI LED arrays, shatter resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

26 54 19 00-0003	EA	5,183 Lumens, 45 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV5L).....	2,807.85	89.10
		For Bolt-On Visor, Add	109.09	
		For Bolt-On Wire Guard, Add	224.37	
		For 480 Volt, Add	192.10	
		For Warm White Color Rendering, Add	81.56	
		For >50 To 100, Deduct	-73.91	
		For >100 To 250, Deduct	-144.11	
		For >250 To 500, Deduct	-280.79	
		For >500, Deduct	-417.46	
26 54 19 00-0004	EA	7,095 Lumens, 62 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV7L).....	3,446.13	95.04
		For Bolt-On Visor, Add	109.09	
		For Bolt-On Wire Guard, Add	224.37	
		For 480 Volt, Add	192.10	
		For Warm White Color Rendering, Add	81.56	
		For >50 To 100, Deduct	-90.11	
		For >100 To 250, Deduct	-176.27	
		For >250 To 500, Deduct	-344.61	
		For >500, Deduct	-512.96	
26 54 19 00-0005	EA	9,132 Lumens, 79 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV9L).....	3,895.94	100.99
		For Bolt-On Visor, Add	109.09	
		For Bolt-On Wire Guard, Add	224.37	
		For 480 Volt, Add	192.10	
		For Warm White Color Rendering, Add	81.56	
		For >50 To 100, Deduct	-101.61	
		For >100 To 250, Deduct	-199.00	
		For >250 To 500, Deduct	-389.59	
		For >500, Deduct	-580.18	
26 54 19 00-0006	EA	11,107 Lumens, 99 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV11L).....	4,358.29	106.92
		For Bolt-On Visor, Add	109.09	
		For Bolt-On Wire Guard, Add	224.37	
		For 480 Volt, Add	192.10	
		For Warm White Color Rendering, Add	81.56	
		For >50 To 100, Deduct	-113.41	
		For >100 To 250, Deduct	-222.37	
		For >250 To 500, Deduct	-435.83	
		For >500, Deduct	-649.29	

26 54 19 00-0007 Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Vaporgard™ V2LC) (26 54 19 00-0001)

Note: Includes 5,600K CRI LED arrays, heat resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 54 19 00-0008	EA 1,600 Lumens, 25 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Vaporgard™ V2LC).....	1,644.92	83.17
	For 12/24 Volt DC Driver, Add	31.00	
	For Frosted Lens, Add	63.36	
	For Warm White Color Temperature LEDs, Add	81.56	
	For 55 Degree Ambient Suitability (AC Only) Option, Add	42.21	
	For Stanchion Mount, Add	261.37	
	For Ceiling Mount, Add	104.81	
	For Wall Mount, Add	152.99	
	For Teflon Coated Lens, Add	134.48	
	For Wall Mount With Junction Box, Add	223.39	
	For >50 To 100, Deduct	-44.59	
	For >100 To 250, Deduct	-85.71	
	For >250 To 500, Deduct	-164.49	
	For >500, Deduct	-243.27	
26 54 19 00-0009	Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV) <small>(26 54 19 00-0001)</small>		
	Note: Includes 5,600K CRI LED arrays, heat and impact resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 54 19 00-0010	EA 3,240 Lumens, 47 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV3L).....	2,638.84	83.17
	For Ceiling Mount, Add	20.06	
	For Quick Clip Mounting Option, Add	29.46	
	For Frosted Lens, Add	63.36	
	For Warm White Color Rendering, Add	81.56	
	For Polycarbonate Lens, Add	117.44	
	For 480 Volt, Add	192.10	
	For >50 To 100, Deduct	-69.44	
	For >100 To 250, Deduct	-135.41	
	For >250 To 500, Deduct	-263.88	
	For >500, Deduct	-392.36	
26 54 19 00-0011	EA 3,778 Lumens, 63 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV5L).....	2,924.80	89.10
	For Ceiling Mount, Add	20.06	
	For Quick Clip Mounting Option, Add	29.46	
	For Frosted Lens, Add	63.36	
	For Warm White Color Rendering, Add	81.56	
	For Polycarbonate Lens, Add	117.44	
	For 480 Volt, Add	192.10	
	For >50 To 100, Deduct	-76.83	
	For >100 To 250, Deduct	-149.95	
	For >250 To 500, Deduct	-292.48	
	For >500, Deduct	-435.01	
26 54 19 00-0012	EA 6,340 Lumens, 98 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV7L).....	3,280.00	95.04
	For Ceiling Mount, Add	20.06	
	For Quick Clip Mounting Option, Add	29.46	
	For Frosted Lens, Add	63.36	
	For Warm White Color Rendering, Add	81.56	
	For Polycarbonate Lens, Add	117.44	
	For 480 Volt, Add	192.10	
	For >50 To 100, Deduct	-85.96	
	For >100 To 250, Deduct	-167.96	
	For >250 To 500, Deduct	-328.00	
	For >500, Deduct	-488.04	
26 54 19 00-0013	EA 6,340 Lumens, 98 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV9L).....	4,284.91	100.99
	For Ceiling Mount, Add	20.06	
	For Quick Clip Mounting Option, Add	29.46	
	For Frosted Lens, Add	63.36	
	For Warm White Color Rendering, Add	81.56	
	For Polycarbonate Lens, Add	117.44	
	For 480 Volt, Add	192.10	
	For >50 To 100, Deduct	-111.33	
	For >100 To 250, Deduct	-218.45	
	For >250 To 500, Deduct	-428.49	
	For >500, Deduct	-638.53	
26 54 19 00-0014	EA 9,720 Lumens, 137 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV11L).....	4,920.89	106.92
	For Ceiling Mount, Add	20.06	
	For Quick Clip Mounting Option, Add	29.46	
	For Frosted Lens, Add	63.36	
	For Warm White Color Rendering, Add	81.56	
	For Polycarbonate Lens, Add	117.44	
	For 480 Volt, Add	192.10	
	For >50 To 100, Deduct	-127.48	
	For >100 To 250, Deduct	-250.50	
	For >250 To 500, Deduct	-492.09	
	For >500, Deduct	-733.68	
26 54 19 00-0015	Class I Division 1, Explosion Proof, LED Fixtures <small>(26 54 19)</small>		
26 54 19 00-0016	Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL) <small>(26 54 19 00-0015)</small>		
	Note: Includes 5,600K CRI LED arrays, shatter resistant and explosion proof glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		

**26 Electrical**  
**26 50 Lighting**  
**26 54 Classified Location Lighting**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 54 19 00-0017	EA 5,625 Lumens, 80 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL5L).....	3,756.80	89.10
	For Wall Mount, Deduct	-14.41	
	For Warm Color Temperature LEDs, Add	77.68	
	For Stainless Steel Guard, Add	139.43	
	For Ceiling Mount, Add	168.20	
	For Stanchion Mount, Add	195.76	
	For Yoke Mount, Add	489.40	
	For >50 To 100, Deduct	-97.63	
	For >100 To 250, Deduct	-191.55	
	For >250 To 500, Deduct	-375.68	
	For >500, Deduct	-559.81	
26 54 19 00-0018	EA 6,750 Lumens, 100 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL7L).....	4,570.77	95.04
	For Wall Mount, Deduct	-14.41	
	For Warm Color Temperature LEDs, Add	77.68	
	For Stainless Steel Guard, Add	139.43	
	For Ceiling Mount, Add	168.20	
	For Stanchion Mount, Add	195.76	
	For Yoke Mount, Add	489.40	
	For >50 To 100, Deduct	-118.23	
	For >100 To 250, Deduct	-232.50	
	For >250 To 500, Deduct	-457.08	
	For >500, Deduct	-681.66	
26 54 19 00-0019	EA 9,000 Lumens, 130 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL9L).....	5,311.74	100.99
	For Wall Mount, Deduct	-14.41	
	For Warm Color Temperature LEDs, Add	77.68	
	For Stainless Steel Guard, Add	139.43	
	For Ceiling Mount, Add	168.20	
	For Stanchion Mount, Add	195.76	
	For Yoke Mount, Add	489.40	
	For >50 To 100, Deduct	-137.00	
	For >100 To 250, Deduct	-269.79	
	For >250 To 500, Deduct	-531.17	
	For >500, Deduct	-792.55	
26 54 19 00-0020	EA 10,500 Lumens, 151 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL11L).....	6,066.35	106.92
	For Wall Mount, Deduct	-14.41	
	For Warm Color Temperature LEDs, Add	77.68	
	For Stainless Steel Guard, Add	139.43	
	For Ceiling Mount, Add	168.20	
	For Stanchion Mount, Add	195.76	
	For Yoke Mount, Add	489.40	
	For >50 To 100, Deduct	-156.11	
	For >100 To 250, Deduct	-307.77	
	For >250 To 500, Deduct	-606.64	
	For >500, Deduct	-905.50	
26 54 19 00-0021	EA 13,500 Lumens, 175 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL13L).....	7,031.44	102.96
	For Wall Mount, Deduct	-14.41	
	For Warm Color Temperature LEDs, Add	77.68	
	For Stainless Steel Guard, Add	139.43	
	For Ceiling Mount, Add	168.20	
	For Stanchion Mount, Add	195.76	
	For Yoke Mount, Add	489.40	
	For >50 To 100, Deduct	-180.49	
	For >100 To 250, Deduct	-356.27	
	For >250 To 500, Deduct	-703.14	
	For >500, Deduct	-1,050.01	

**26 55 Special Purpose Lighting** (26 50)

**26 55 13 Landscape Lighting** (26 55)

**26 55 13 00-0001 Bollards** (26 55 13)

Note: Excludes concrete base.

**26 55 13 00-0002 Aluminum Architectural Bollards** (26 55 13 00-0001)

**26 55 13 00-0003 High Pressure Sodium, Aluminum Architectural Bollards** (26 55 13 00-0002)

**26 55 13 00-0004 Square, High Pressure Sodium, Aluminum Architectural Bollards** (26 55 13 00-0003)

26 55 13 00-0005	EA 24" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,297.70	92.12
26 55 13 00-0006	EA 30" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,308.53	97.54
26 55 13 00-0007	EA 36" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,319.37	102.95
26 55 13 00-0008	EA 42" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,222.69	108.38
26 55 13 00-0009	EA 24" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,297.70	92.12
26 55 13 00-0010	EA 30" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,308.53	97.54
26 55 13 00-0011	EA 36" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,319.37	102.95
26 55 13 00-0012	EA 42" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,222.69	108.38
26 55 13 00-0013	EA 24" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,297.70	92.12
26 55 13 00-0014	EA 30" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,308.53	97.54
26 55 13 00-0015	EA 36" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,319.37	102.95
26 55 13 00-0016	EA 42" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,222.69	108.38
26 55 13 00-0017	EA 24" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,297.70	92.12
26 55 13 00-0018	EA 30" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,308.53	97.54
26 55 13 00-0019	EA 36" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,319.37	102.95
26 55 13 00-0020	EA 42" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,222.69	108.38



**26 Electrical**  
**26 50 Lighting**  
**26 55 Special Purpose Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 13 00-0092			<b>LED, Aluminum Architectural Bollards</b> (26 55 13 00-0092)		
26 55 13 00-0093			<b>Square, LED, Aluminum Architectural Bollards</b> (26 55 13 00-0092)		
26 55 13 00-0094	EA		24" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard.....	1,545.13	92.12
26 55 13 00-0095	EA		30" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard.....	1,555.96	97.54
26 55 13 00-0096	EA		36" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard.....	1,566.80	102.95
26 55 13 00-0097	EA		42" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard.....	1,472.48	108.38
26 55 13 00-0098	EA		24" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard.....	1,884.42	92.12
26 55 13 00-0099	EA		30" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard.....	1,895.25	97.54
26 55 13 00-0100	EA		36" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard.....	1,906.09	102.95
26 55 13 00-0101	EA		42" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard.....	1,810.08	108.38
26 55 13 00-0102			<b>Round, LED, Aluminum Architectural Bollards</b> (26 55 13 00-0092)		
26 55 13 00-0103	EA		24" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard.....	1,494.52	92.12
26 55 13 00-0104	EA		30" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard.....	1,505.35	97.54
26 55 13 00-0105	EA		36" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard.....	1,516.19	102.95
26 55 13 00-0106	EA		42" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard.....	1,420.19	108.38
26 55 13 00-0107	EA		24" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard.....	1,833.81	92.12
26 55 13 00-0108	EA		30" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard.....	1,844.64	97.54
26 55 13 00-0109	EA		36" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard.....	1,855.48	102.95
26 55 13 00-0110	EA		42" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard.....	1,760.07	108.38
26 55 13 00-0111			<b>Reinforced Concrete Bollards</b> (26 55 13 00-0001)		
26 55 13 00-0112	EA		48" Overall Height, 12" Diameter, LED Light, Reinforced Concrete Bollard.....	1,305.77	270.94
26 55 13 00-0113	EA		58" Overall Height, 18" Diameter, High Intensity Discharge (HID) Light, Reinforced Concrete Bollard.....	2,282.46	361.21
26 55 13 00-0114			<b>Low Voltage</b> (26 55 13)		
26 55 13 00-0115	EA		Low Voltage Recessed Uplight.....	644.19	197.24
26 55 13 00-0116	EA		Low Voltage Walkway.....	441.89	108.38
26 55 13 00-0117	EA		Low Voltage Malibu - 5 Light Set.....	453.11	144.68
26 55 13 00-0118	EA		Low Voltage Mushroom 24" Pier.....	384.58	108.38
26 55 13 00-0119			<b>Recessed, Adjustable</b> (26 55 13)		
26 55 13 00-0120	EA		150 Watt Incandescent Recessed, Adjustable.....	727.47	173.40
26 55 13 00-0121	EA		300 Watt Incandescent Recessed, Adjustable.....	788.87	173.40
26 55 13 00-0122			<b>Recessed, Uplight</b> (26 55 13)		
26 55 13 00-0123	EA		50 Watt Incandescent Recessed Uplight.....	657.88	173.40
26 55 13 00-0124	EA		150 Watt Incandescent Recessed Uplight.....	670.16	173.40
26 55 13 00-0125	EA		300 Watt Incandescent Recessed Uplight.....	707.00	173.40
26 55 13 00-0126	EA		500 Watt Quartz Recessed Uplight.....	702.91	173.40
26 55 13 00-0127	EA		5 Watt, LED Recessed Uplight.....	965.97	173.40
26 55 13 00-0128	EA		15 Watt, LED Recessed Uplight.....	1,060.47	173.40
26 55 13 00-0129			<b>Recessed Wall Light</b> (26 55 13)		
26 55 13 00-0130	EA		100 Watt Incandescent Recessed Wall Light.....	347.74	108.38
26 55 13 00-0131	EA		100 Watt Fluorescent Recessed Wall Light.....	335.46	108.38
26 55 13 00-0132	EA		100 Watt High Intensity Discharge (HID) Recessed Wall Light.....	530.88	144.68
26 55 13 00-0133			<b>Step Lights</b> (26 55 13)		
26 55 13 00-0134	EA		Incandescent Step Light.....	283.86	86.69
26 55 13 00-0135	EA		Fluorescent Step Light.....	324.86	86.69
26 55 13 00-0136	EA		5 Watt, LED Step Light.....	529.34	86.69
26 55 13 00-0137	EA		15 Watt, LED Step Light.....	630.14	86.69
26 55 13 00-0138			<b>Tree Lights, Surface Adjustable</b> (26 55 13)		
26 55 13 00-0139	EA		50 Watt Incandescent Tree Lights.....	584.10	144.68
26 55 13 00-0140	EA		100 Watt Incandescent Tree Lights.....	596.38	144.68
26 55 13 00-0141	EA		150 Watt Incandescent Tree Lights.....	760.96	216.75
26 55 16			<b>Walkway Lighting</b> (26 55)		
26 55 16 00-0001			<b>Incandescent Walkway</b> (26 55 16)		
26 55 16 00-0002	EA		Post Top 300 Watt Incandescent Walkway Fixture.....	370.75	100.79
26 55 16 00-0003			<b>Metal Halide Walkway</b> (26 55 16)		
26 55 16 00-0004	EA		Post Top 100 Watt Metal Halide Walkway Fixture.....	570.27	158.44
26 55 16 00-0005	EA		Post Top 150-175 Watt Metal Halide Walkway Fixture.....	603.84	164.19
26 55 16 00-0006	EA		Post Top 250 Watt Metal Halide Walkway Fixture.....	651.03	170.47
26 55 16 00-0007	EA		Post Top 400 Watt Metal Halide Walkway Fixture.....	697.22	184.24
26 55 16 00-0008	EA		Round Luminaries 100 Watt Metal Halide Walkway Fixture.....	621.49	170.47
26 55 16 00-0009	EA		Round Luminaries 150-175 Watt Metal Halide Walkway Fixture.....	627.11	158.44
26 55 16 00-0010	EA		Round Luminaries 250 Watt Metal Halide Walkway Fixture.....	639.31	164.19

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 55 16 00-0011	EA			Spherical 100 Watt Metal Halide Walkway Fixture .....	506.47	112.93
26 55 16 00-0012	EA			Spherical 150-175 Watt Metal Halide Walkway Fixture .....	536.01	112.93
26 55 16 00-0013	EA			Spherical 250 Watt Metal Halide Walkway Fixture .....	565.56	112.93
26 55 16 00-0014	EA			Spherical 400 Watt Metal Halide Walkway Fixture .....	638.50	127.12
26 55 16 00-0015	EA			Low Walkway 100 Watt Metal Halide Walkway Fixture .....	483.64	101.44
<b>26 55 16 00-0016 High Pressure Sodium Walkway <small>(26 55 16)</small></b>						
26 55 16 00-0017	EA			Post Top 100 Watt High Pressure Sodium Walkway Fixture .....	514.84	158.44
26 55 16 00-0018	EA			Post Top 150-175 Watt High Pressure Sodium Walkway Fixture .....	543.59	164.19
26 55 16 00-0019	EA			Post Top 250 Watt High Pressure Sodium Walkway Fixture .....	583.17	170.47
26 55 16 00-0020	EA			Post Top 400 Watt High Pressure Sodium Walkway Fixture .....	625.34	184.24
26 55 16 00-0021	EA			Round Luminaries 100 Watt High Pressure Sodium Walkway Fixture .....	560.09	170.47
26 55 16 00-0022	EA			Round Luminaries 150-175 Watt High Pressure Sodium Walkway Fixture .....	559.25	158.44
26 55 16 00-0023	EA			Round Luminaries 250 Watt High Pressure Sodium Walkway Fixture .....	571.30	164.19
26 55 16 00-0024	EA			Spherical 100 Watt High Pressure Sodium Walkway Fixture .....	445.07	112.93
26 55 16 00-0025	EA			Spherical 175 150-Watt High Pressure Sodium Walkway Fixture .....	468.15	112.93
26 55 16 00-0026	EA			Spherical 250 Watt High Pressure Sodium Walkway Fixture .....	491.23	112.93
26 55 16 00-0027	EA			Spherical 400 Watt High Pressure Sodium Walkway Fixture .....	554.48	127.12
26 55 16 00-0028	EA			Low Walkway 100 Watt High Pressure Sodium Walkway Fixture.....	394.79	101.44
<b>26 55 16 00-0029 Walkway, Adjustable <small>(26 55 16)</small></b>						
26 55 16 00-0030	EA			2' Fluorescent Adjustable Walkway Fixture .....	537.19	144.68
26 55 16 00-0031	EA			4' Fluorescent Adjustable Walkway Fixture .....	551.76	144.68
26 55 16 00-0032	EA			8' Fluorescent Adjustable Walkway Fixture .....	948.56	216.75
26 55 16 00-0033	EA			50 Watt Incandescent Adjustable Walkway Fixture .....	449.99	108.38
26 55 16 00-0034	EA			150 Watt Incandescent Adjustable Walkway Fixture .....	469.43	108.38
<b>26 55 16 00-0035 LED Walkway <small>(26 55 16)</small></b>						
<b>26 55 16 00-0036 LED Pathway Fixtures (CREE® BetaLED® Edge® PWY-EDG) <small>(26 55 16 00-0035)</small></b>						
Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.						
26 55 16 00-0037	EA			13" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG) .....	767.83	83.17
					<i>For Multi-Level Drive Currents, Add</i>	199.30
26 55 16 00-0038	EA			18" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG) .....	792.03	83.17
					<i>For Multi-Level Drive Currents, Add</i>	199.30
26 55 16 00-0039	EA			36" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG) .....	834.74	83.17
					<i>For Multi-Level Drive Currents, Add</i>	199.30
26 55 16 00-0040	EA			42" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG) .....	867.48	83.17
					<i>For Multi-Level Drive Currents, Add</i>	199.30
26 55 16 00-0041	EA			96" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG) .....	999.62	106.92
					<i>For Multi-Level Drive Currents, Add</i>	199.30
<b>26 55 16 00-0042 Wall Mounted Walkway Lighting <small>(26 55 16 00-0035)</small></b>						
26 55 16 00-0043	EA			Wall Mounted Lantern With LED Kit, No. PDEX-Bracket (Herwig P-492).....	3,643.57	
Note: Type Fixture 17 as Post						
<b>26 55 16 00-0044 Pole Mounted Walkway Lighting <small>(26 55 16 00-0035)</small></b>						
26 55 16 00-0045	EA			43-1/2" Height x 19" Diameter, LED Post Lantern (Herwig AP-27).....	3,374.80	
26 55 16 00-0046	EA			12" Tapered and Fluted Post (Herwig BRA Series, BRAJ-12) .....	3,313.97	
Note: Washers and nuts included						
<b>26 55 29 Underwater Lighting <small>(26 55)</small></b>						
<b>26 55 29 00-0001 Underwater Lights <small>(26 55 29)</small></b>						
26 55 29 00-0002	EA			150 Watt, 120 Volt Underwater Lights .....	459.34	72.07
26 55 29 00-0003	EA			300 Watt, 120 Volt Underwater Lights .....	508.47	72.07
26 55 29 00-0004	EA			1,000 Watt, 120 Volt Underwater Lights .....	1,219.64	108.38
26 55 29 00-0005	EA			50 Watt, 12 Volt Underwater Lights .....	479.81	72.07
26 55 29 00-0006	EA			300 Watt, 12 Volt Underwater Lights .....	537.12	72.07
26 55 29 00-0007	SET			Under Water Fountain Fixture, Set Of 6, 300 Watt, Incandescent.....	1,368.68	162.56
<b>26 55 53 Security Lighting <small>(26 55)</small></b>						
<b>26 55 53 11 Security Flood Lighting <small>(26 55 53)</small></b>						
26 55 53 11-0001				General Electric Powerflood® Flood Lights <small>(26 55 53 11)</small>		
26 55 53 11-0002				MPF (Small Size) Series GE Flood Lights <small>(26 55 53 11-0001)</small>		
Note: For perimeters, entrances, building facades and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. 1/2" threaded mounting knuckle.						
<b>26 55 53 11-0003 High Pressure Sodium MPF Series GE Flood Lights <small>(26 55 53 11-0002)</small></b>						
26 55 53 11-0004	EA			70 Watt High Pressure Sodium MPF Series GE Flood Light.....	325.43	92.76
26 55 53 11-0005	EA			100 Watt High Pressure Sodium MPF Series GE Flood Light.....	328.23	92.76
26 55 53 11-0006	EA			150 Watt High Pressure Sodium MPF Series GE Flood Light.....	332.90	92.76
26 55 53 11-0007				Metal Halide MPF Series GE Flood Lights <small>(26 55 53 11-0002)</small>		

<b>26</b>	<b>Electrical</b>
<b>26 50</b>	<b>Lighting</b>
<b>26 55</b>	<b>Special Purpose Lighting</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 55 53 11-0008	EA		70 Watt Metal Halide MPF Series GE Flood Light.....	436.43	92.76
26 55 53 11-0009			<b>P-154 (Small Size) Series GE Flood Lights</b> (26 55 53 11-0001) Note: For parking lots, building security, building facades, recreation areas and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0010			<b>High Pressure Sodium P-154 Series GE Flood Lights</b> (26 55 53 11-0009)		
26 55 53 11-0011	EA		70 Watt High Pressure Sodium P-154 Series GE Flood Light.....	649.37	123.69
26 55 53 11-0012	EA		100 Watt High Pressure Sodium P-154 Series GE Flood Light.....	653.10	123.69
26 55 53 11-0013	EA		150 Watt High Pressure Sodium P-154 Series GE Flood Light.....	659.63	123.69
26 55 53 11-0014	EA		250 Watt High Pressure Sodium P-154 Series GE Flood Light.....	733.32	123.69
26 55 53 11-0015	EA		400 Watt High Pressure Sodium P-154 Series GE Flood Light.....	754.77	123.69
26 55 53 11-0016			<b>Metal Halide P-154 Series GE Flood Lights</b> (26 55 53 11-0009)		
26 55 53 11-0017	EA		175 Watt Metal Halide P-154 Series GE Flood Light.....	642.84	123.69
26 55 53 11-0018	EA		250 Watt Metal Halide P-154 Series GE Flood Light.....	675.49	123.69
26 55 53 11-0019	EA		400 Watt Metal Halide P-154 Series GE Flood Light.....	692.28	123.69
26 55 53 11-0020			<b>PF-154 (Medium Size) Series GE Flood Lights</b> (26 55 53 11-0001) Note: For parking lots, building security and building facades. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0021			<b>High Pressure Sodium PF-154 Series GE Flood Lights</b> (26 55 53 11-0020)		
26 55 53 11-0022	EA		70 Watt High Pressure Sodium PF-154 Series GE Flood Light.....	664.43	139.14
26 55 53 11-0023	EA		100 Watt High Pressure Sodium PF-154 Series GE Flood Light.....	669.09	139.14
26 55 53 11-0024	EA		150 Watt High Pressure Sodium PF-154 Series GE Flood Light.....	676.55	139.14
26 55 53 11-0025	EA		250 Watt High Pressure Sodium PF-154 Series GE Flood Light.....	749.30	139.14
26 55 53 11-0026	EA		400 Watt High Pressure Sodium PF-154 Series GE Flood Light.....	769.82	139.14
26 55 53 11-0027			<b>Metal Halide PF-154 GE Flood Lights</b> (26 55 53 11-0020)		
26 55 53 11-0028	EA		175 Watt Metal Halide PF-154 Series GE Flood Light.....	658.83	139.14
26 55 53 11-0029	EA		250 Watt Metal Halide PF-154 Series GE Flood Light.....	690.54	139.14
26 55 53 11-0030	EA		400 Watt Metal Halide PF-154 Series GE Flood Light.....	707.33	139.14
26 55 53 11-0031			<b>PF-400 (Medium Size) Series GE Flood Lights</b> (26 55 53 11-0001) Note: For parking lots, building security, building facades, shipping yards and rail yards. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0032			<b>High Pressure Sodium PF-400 Series GE Flood Lights</b> (26 55 53 11-0031)		
26 55 53 11-0033	EA		150 Watt High Pressure Sodium PF-400 Series GE Flood Light.....	884.55	139.14
26 55 53 11-0034	EA		200 Watt High Pressure Sodium PF-400 Series GE Flood Light.....	949.83	139.14
26 55 53 11-0035	EA		250 Watt High Pressure Sodium PF-400 Series GE Flood Light.....	945.17	139.14
26 55 53 11-0036	EA		400 Watt High Pressure Sodium PF-400 Series GE Flood Light.....	968.49	139.14
26 55 53 11-0037			<b>Metal Halide PF-400 GE Flood Lights</b> (26 55 53 11-0031)		
26 55 53 11-0038	EA		175 Watt Metal Halide PF-400 Series GE Flood Light.....	908.80	139.14
26 55 53 11-0039	EA		250 Watt Metal Halide PF-400 Series GE Flood Light.....	928.38	139.14
26 55 53 11-0040	EA		400 Watt Metal Halide PF-400 Series GE Flood Light.....	948.90	139.14
26 55 53 11-0041			<b>PF-1000 (Large Size) Series GE Flood Lights</b> (26 55 53 11-0001) Note: For parking lots, industrial yards and sports stadiums. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0042			<b>High Pressure Sodium PF-154 Series GE Flood Lights</b> (26 55 53 11-0041)		
26 55 53 11-0043	EA		750 Watt High Pressure Sodium PF-1000 Series GE Flood Light.....	1,194.34	154.61
26 55 53 11-0044	EA		1,000 Watt High Pressure Sodium PF-1000 Series GE Flood Light.....	1,194.34	154.61
26 55 53 11-0045			<b>Metal Halide PF-1000 Series GE Flood Lights</b> (26 55 53 11-0041)		
26 55 53 11-0046	EA		1,000 Watt Metal Halide PF-1000 Series GE Flood Light.....	1,140.25	154.61
26 55 53 11-0047			<b>HLU/VLU (Medium Size) FRP Series GE Flood Lights</b> (26 55 53 11-0001) Note: For parking lots, industrial yards, construction sites, recreation areas and facades. Includes corrosion resistant reinforced polyester housing and thermal shock resistant lens. Hydroformed aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0048			<b>High Pressure Sodium HLU/VLU FRP Series GE Flood Lights</b> (26 55 53 11-0047)		
26 55 53 11-0049	EA		250 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light.....	974.08	139.14
26 55 53 11-0050	EA		400 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light.....	991.81	139.14
26 55 53 11-0051			<b>Metal Halide HLU/VLU Series GE Flood Lights</b> (26 55 53 11-0047)		
26 55 53 11-0052	EA		400 Watt Metal Halide HLU/VLU FRP Series GE Flood Light.....	984.34	139.14



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>26 55 53 11-0053</b>	<b>Accessories For Powerflood GE Flood Lights</b> <small>(26 55 53 11-0001)</small>		
26 55 53 11-0054	EA Wireguard For Powerflood GE Flood Light .....	169.10	30.92
26 55 53 11-0055	EA Polycarbonate Vandal Shield For Powerflood GE Flood Light.....	100.08	30.92
26 55 53 11-0056	EA Top Visor For Powerflood Flood Light .....	142.98	30.92
26 55 53 11-0057	EA Top And Two Side Visors For Powerflood GE Flood Light .....	110.34	30.92
26 55 53 11-0058	EA Pipe Wall Mounting Bracket For Powerflood GE Flood Light.....	280.67	92.76
26 55 53 11-0059	EA Multiple Mounting Channel For Powerflood GE Flood Light .....	120.60	30.92
26 55 53 11-0060	EA Wall Or Flat Surface Bracket For Powerflood GE Flood Light .....	210.71	92.76
26 55 53 11-0061	EA Steel Angle Bracket For Powerflood GE Flood Light .....	219.11	92.76
26 55 53 11-0062	EA Cross Arm Adaptor For Powerflood GE Flood Light .....	91.69	30.92
26 55 53 11-0063	EA 120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Powerflood GE Flood Light .....	88.89	30.92
<b>26 55 53 11-0064</b>	<b>Lithonia Contour Series Flood Lights</b> <small>(26 55 53 11)</small>		
<b>26 55 53 11-0065</b>	<b>TFM (Small Size) Series Lithonia Flood Lights</b> <small>(26 55 53 11-0064)</small>		
	<small>Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Faceted parabolic optics. 1/2" threaded mounting knuckle.</small>		
<b>26 55 53 11-0066</b>	<b>High Pressure Sodium TFM Series Lithonia Flood Lights</b> <small>(26 55 53 11-0065)</small>		
26 55 53 11-0067	EA 70 Watt High Pressure Sodium TFM Series Lithonia Flood Light.....	599.72	123.69
26 55 53 11-0068	EA 100 Watt High Pressure Sodium TFM Series Lithonia Flood Light.....	653.57	123.69
26 55 53 11-0069	EA 150 Watt High Pressure Sodium TFM Series Lithonia Flood Light .....	706.31	123.69
<b>26 55 53 11-0070</b>	<b>Metal Halide TFM Series Lithonia Flood Lights</b> <small>(26 55 53 11-0065)</small>		
26 55 53 11-0071	EA 50 Watt Metal Halide TFM Series Lithonia Flood Light .....	772.12	123.69
26 55 53 11-0072	EA 70 Watt Metal Halide TFM Series Lithonia Flood Light.....	759.15	123.69
26 55 53 11-0073	EA 100 Watt Metal Halide TFM Series Lithonia Flood Light.....	738.26	123.69
26 55 53 11-0074	EA 175 Watt Metal Halide TFM Series Lithonia Flood Light.....	736.71	123.69
<b>26 55 53 11-0075</b>	<b>Compact Fluorescent TFM Series Lithonia Flood Lights</b> <small>(26 55 53 11-0065)</small>		
26 55 53 11-0076	EA 42 Watt Compact Fluorescent TFM Series Lithonia Flood Light.....	766.74	123.69
<b>26 55 53 11-0077</b>	<b>TFL (Medium Size) Series Lithonia Flood Lights</b> <small>(26 55 53 11-0064)</small>		
	<small>Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.</small>		
<b>26 55 53 11-0078</b>	<b>High Pressure Sodium TFL Series Lithonia Flood Lights</b> <small>(26 55 53 11-0077)</small>		
26 55 53 11-0079	EA 250 Watt High Pressure Sodium TFL Series Lithonia Flood Light.....	911.26	139.14
26 55 53 11-0080	EA 400 Watt High Pressure Sodium TFL Series Lithonia Flood Light.....	929.22	139.14
<b>26 55 53 11-0081</b>	<b>Metal Halide TFL Series Lithonia Flood Lights</b> <small>(26 55 53 11-0077)</small>		
26 55 53 11-0082	EA 175 Watt Metal Halide TFL Series Lithonia Flood Light.....	870.89	139.14
26 55 53 11-0083	EA 250 Watt Metal Halide TFL Series Lithonia Flood Light.....	870.89	139.14
26 55 53 11-0084	EA 400 Watt Metal Halide TFL Series Lithonia Flood Light.....	899.06	139.14
<b>26 55 53 11-0085</b>	<b>TFR (Low Profile) Series Lithonia Flood Lights</b> <small>(26 55 53 11-0064)</small>		
	<small>Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.</small>		
<b>26 55 53 11-0086</b>	<b>High Pressure Sodium TFR Lithonia Flood Lights</b> <small>(26 55 53 11-0085)</small>		
26 55 53 11-0087	EA 150 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light .....	871.39	123.69
26 55 53 11-0088	EA 250 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light .....	898.27	123.69
26 55 53 11-0089	EA 400 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light .....	920.73	123.69
<b>26 55 53 11-0090</b>	<b>Metal Halide TFR Lithonia Flood Lights</b> <small>(26 55 53 11-0085)</small>		
26 55 53 11-0091	EA 250 Watt Metal Halide TFR Series Lithonia Flood Light .....	862.40	123.69
26 55 53 11-0092	EA 400 Watt Metal Halide TFR Series Lithonia Flood Light .....	889.32	123.69
<b>26 55 53 11-0093</b>	<b>TFA (Large Size) Series Lithonia Flood Lights</b> <small>(26 55 53 11-0064)</small>		
	<small>Note: For industrial yards, parking lots, construction sites, streets and recreational areas. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.</small>		
<b>26 55 53 11-0094</b>	<b>High Pressure Sodium TFA Series Lithonia Flood Lights</b> <small>(26 55 53 11-0093)</small>		
26 55 53 11-0095	EA 1,000 Watt High Pressure Sodium TFA Series Lithonia Flood Light.....	1,678.19	154.61
<b>26 55 53 11-0096</b>	<b>Metal Halide TFA Series Lithonia Flood Lights</b> <small>(26 55 53 11-0093)</small>		
26 55 53 11-0097	EA 400 Watt Metal Halide TFA Series Lithonia Flood Light .....	1,296.66	154.61
26 55 53 11-0098	EA 1,000 Watt Metal Halide TFA Series Lithonia Flood Light .....	1,431.30	154.61
<b>26 55 53 11-0099</b>	<b>Accessories For Contour Series Lithonia Flood Lights</b> <small>(26 55 53 11-0064)</small>		
26 55 53 11-0100	EA Wireguard For Contour Series Lithonia Flood Light.....	146.47	30.92
26 55 53 11-0101	EA Vandal Guard For Contour Series Lithonia Flood Light .....	278.64	30.92

**26 Electrical**  
**26 50 Lighting**  
**26 55 Special Purpose Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0102	EA		Upper Visor For Contour Series Lithonia Flood Light.....	121.53	30.92
26 55 53 11-0103	EA		Full Visor For Contour Series Lithonia Flood Light.....	161.92	30.92
26 55 53 11-0104	EA		Pipe Wall Mounting Bracket For Contour Series Lithonia Flood Light.....	365.04	92.76
26 55 53 11-0105	EA		Radius Wall Bracket For Contour Series Lithonia Flood Light.....	293.57	92.76
26 55 53 11-0106	EA		Steel Angle Bracket For Contour Series Lithonia Flood Light.....	293.57	92.76
26 55 53 11-0107	EA		U Bolt Wall Bracket For Contour Series Lithonia Flood Light, Mounts To 2" Pipe.....	322.08	92.76
26 55 53 11-0108	EA		Crossarm Adapter For Horizontal Mounted Contour Lithonia Series Flood Light.....	140.34	30.92
26 55 53 11-0109	EA		120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Contour Lithonia Series Flood Light.....	112.95	30.92
<b>26 55 53 11-0110</b>			<b>Eaton Flood Lights (26 55 53 11)</b>		
26 55 53 11-0111	EA		6" x 6", 16,932 Lumens, 128 Watt, LED Flood Light (Eaton NFFLD-C40-D-UNV-66-T-CB).....	932.31	123.69
			For NEMA Photocontrol Option (Eaton OA/RA1016), Add	48.33	
			For >50 To 100, Deduct	-29.49	
			For >100 To 250, Deduct	-52.80	
			For >250 To 500, Deduct	-93.23	
			For >500, Deduct	-133.66	
26 55 53 11-0112	EA		16,900 Lumens, 128 Watt, NEMA 6H x 6V Wide, Trunnion Mount, 4000K CCT, Night Falcon LED Flood Light With Multi-Tap (Cooper Industries NFFLD-C40-D-UNV-66-T-CB-PER7+OA/RA1016).....	1,154.85	135.47
			For >50 To 100, Deduct	-35.64	
			For >100 To 250, Deduct	-64.52	
			For >250 To 500, Deduct	-115.49	
			For >500, Deduct	-166.45	
<b>26 55 53 11-0113</b>			<b>Ruud Flood Lights (26 55 53 11)</b>		
<b>26 55 53 11-0114</b>			<b>NS (Micro) Series Ruud Flood Lights (26 55 53 11-0113)</b>		
			Note: Provides conventional floodlighting, 1/2" threaded mounting knuckle.		
<b>26 55 53 11-0115</b>			<b>High Pressure Sodium NS Series Ruud Flood Lights (26 55 53 11-0114)</b>		
26 55 53 11-0116	EA		35 Watt High Pressure Sodium NS Series Ruud Flood Light.....	396.32	92.76
26 55 53 11-0117	EA		50 Watt High Pressure Sodium NS Series Ruud Flood Light.....	396.32	92.76
26 55 53 11-0118	EA		70 Watt High Pressure Sodium NS Series Ruud Flood Light.....	396.32	92.76
26 55 53 11-0119	EA		100 Watt High Pressure Sodium NS Series Ruud Flood Light.....	396.32	92.76
26 55 53 11-0120	EA		150 Watt High Pressure Sodium NS Series Ruud Flood Light.....	396.32	92.76
<b>26 55 53 11-0121</b>			<b>Metal Halide NS Series Ruud Flood Lights (26 55 53 11-0114)</b>		
26 55 53 11-0122	EA		50 Watt Metal Halide NS Series Ruud Flood Light.....	448.55	92.76
26 55 53 11-0123	EA		70 Watt Metal Halide NS Series Ruud Flood Light.....	448.55	92.76
26 55 53 11-0124	EA		100 Watt Metal Halide NS Series Ruud Flood Light.....	448.55	92.76
<b>26 55 53 11-0125</b>			<b>Compact Fluorescent NS Series Ruud Flood Lights (26 55 53 11-0114)</b>		
26 55 53 11-0126	EA		13 Watt Compact Fluorescent NS Series Ruud Flood Light.....	342.22	92.76
26 55 53 11-0127	EA		26 Watt Compact Fluorescent NS Series Ruud Flood Light.....	355.28	92.76
26 55 53 11-0128	EA		32 Watt Compact Fluorescent NS Series Ruud Flood Light.....	359.01	92.76
26 55 53 11-0129	EA		42 Watt Compact Fluorescent NS Series Ruud Flood Light.....	362.74	92.76
<b>26 55 53 11-0130</b>			<b>NSF/NSW/NSC (Standard, Wide And Cutoff Micro) Series Ruud Flood Lights (26 55 53 11-0113)</b>		
			Note: The NSF is suited for large open areas and façade applications. The NSW is suited for roadway applications, parking areas or security. The NSC is designed for parking lot and outdoor sports areas. Yoke or slip fitter mounting.		
<b>26 55 53 11-0131</b>			<b>High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Lights (26 55 53 11-0130)</b>		
26 55 53 11-0132	EA		150 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light.....	610.33	139.14
26 55 53 11-0133	EA		250 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light.....	643.91	139.14
26 55 53 11-0134	EA		400 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light.....	662.56	139.14
<b>26 55 53 11-0135</b>			<b>Metal Halide NSF/NSW/NSC Series Ruud Flood Lights (26 55 53 11-0130)</b>		
26 55 53 11-0136	EA		175 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light.....	602.87	139.14
26 55 53 11-0137	EA		250 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light.....	606.60	139.14
26 55 53 11-0138	EA		400 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light.....	617.79	139.14
<b>26 55 53 11-0139</b>			<b>Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Lights (26 55 53 11-0130)</b>		
26 55 53 11-0140	EA		70 Watt Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Light.....	589.81	139.14
<b>26 55 53 11-0141</b>			<b>FS (Square) Series Ruud Flood Lights (26 55 53 11-0113)</b>		
			Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.		
<b>26 55 53 11-0142</b>			<b>High Pressure Sodium FS Series Ruud Flood Lights (26 55 53 11-0141)</b>		
26 55 53 11-0143	EA		250 Watt High Pressure Sodium FS Series Ruud Flood Light.....	709.20	139.14
26 55 53 11-0144	EA		400 Watt High Pressure Sodium FS Series Ruud Flood Light.....	712.93	139.14
26 55 53 11-0145	EA		1,000 Watt High Pressure Sodium FS Series Ruud Flood Light.....	1,195.27	154.61
<b>26 55 53 11-0146</b>			<b>Metal Halide FS Series Ruud Flood Lights (26 55 53 11-0141)</b>		
26 55 53 11-0147	EA		175 Watt Metal Halide FS Series Ruud Flood Light.....	709.20	139.14
26 55 53 11-0148	EA		250 Watt Metal Halide FS Series Ruud Flood Light.....	712.93	139.14
26 55 53 11-0149	EA		400 Watt Metal Halide FS Series Ruud Flood Light.....	724.12	139.14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 55 53 11-0150	EA		1,000 Watt Metal Halide FS Series Ruud Flood Light.....	1,072.16	154.61
<b>26 55 53 11-0151</b>			<b>MFS (Mini Square) Series Ruud Flood Lights</b> <small>(26 55 53 11-0113)</small>		
			Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.		
<b>26 55 53 11-0152</b>			<b>High Pressure Sodium MFS Series Ruud Flood Lights</b> <small>(26 55 53 11-0151)</small>		
26 55 53 11-0153	EA		35 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	558.90	123.69
26 55 53 11-0154	EA		50 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	598.08	123.69
26 55 53 11-0155	EA		70 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	598.08	123.69
26 55 53 11-0156	EA		100 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	598.08	123.69
26 55 53 11-0157	EA		150 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	598.08	123.69
<b>26 55 53 11-0158</b>			<b>Metal Halide MFS Series Ruud Flood Lights</b> <small>(26 55 53 11-0151)</small>		
26 55 53 11-0159	EA		50 Watt Metal Halide MFS Series Ruud Flood Light.....	611.13	123.69
26 55 53 11-0160	EA		70 Watt Metal Halide MFS Series Ruud Flood Light.....	611.13	123.69
26 55 53 11-0161	EA		100 Watt Metal Halide MFS Series Ruud Flood Light.....	611.13	123.69
26 55 53 11-0162	EA		175 Watt Metal Halide MFS Series Ruud Flood Light.....	590.61	123.69
<b>26 55 53 11-0163</b>			<b>MCF/MPM/MPN (Mini Cutoff. Parabolic Medium And Narrow Mini Square) Series Ruud Flood Lights</b> <small>(26 55 53 11-0113)</small>		
			Note: The MCF is suited for parking lots, volleyball courts and tennis courts. The MPM and MPN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.		
<b>26 55 53 11-0164</b>			<b>High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Lights</b> <small>(26 55 53 11-0163)</small>		
26 55 53 11-0165	EA		35 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light.....	605.54	123.69
26 55 53 11-0166	EA		50 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light.....	644.71	123.69
26 55 53 11-0167	EA		70 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light.....	644.71	123.69
26 55 53 11-0168	EA		100 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light.....	644.71	123.69
26 55 53 11-0169	EA		150 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light.....	644.71	123.69
<b>26 55 53 11-0170</b>			<b>Metal Halide MCF/MPM/MPN Series Ruud Flood Lights</b> <small>(26 55 53 11-0163)</small>		
26 55 53 11-0171	EA		50 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light.....	657.77	123.69
26 55 53 11-0172	EA		70 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light.....	657.77	123.69
26 55 53 11-0173	EA		100 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light.....	657.77	123.69
26 55 53 11-0174	EA		175 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light.....	637.25	123.69
<b>26 55 53 11-0175</b>			<b>CF (Cutoff Square) Series Ruud Flood Lights</b> <small>(26 55 53 11-0113)</small>		
			Note: The CF is suited for parking lots, volleyball courts and tennis courts. Yoke or slip fitter mounting.		
<b>26 55 53 11-0176</b>			<b>High Pressure Sodium CF Series Ruud Flood Lights</b> <small>(26 55 53 11-0175)</small>		
26 55 53 11-0177	EA		250 Watt High Pressure Sodium CF Series Ruud Flood Light.....	796.87	139.14
26 55 53 11-0178	EA		400 Watt High Pressure Sodium CF Series Ruud Flood Light.....	815.53	139.14
26 55 53 11-0179	EA		1,000 Watt High Pressure Sodium CF Series Ruud Flood Light.....	1,241.91	154.61
<b>26 55 53 11-0180</b>			<b>Metal Halide CF Series Ruud Flood Lights</b> <small>(26 55 53 11-0175)</small>		
26 55 53 11-0181	EA		175 Watt Metal Halide CF Series Ruud Flood Light.....	755.83	139.14
26 55 53 11-0182	EA		250 Watt Metal Halide CF Series Ruud Flood Light.....	759.56	139.14
26 55 53 11-0183	EA		400 Watt Metal Halide CF Series Ruud Flood Light.....	770.76	139.14
26 55 53 11-0184	EA		1,000 Watt Metal Halide CF Series Ruud Flood Light.....	1,118.79	154.61
<b>26 55 53 11-0185</b>			<b>CN (Narrow Beam Cutoff Square) Series Ruud Flood Lights</b> <small>(26 55 53 11-0113)</small>		
			Note: The CN is suited for large sports fields, building facades and signs. Yoke or slip fitter mounting.		
<b>26 55 53 11-0186</b>			<b>High Pressure Sodium CN Series Ruud Flood Lights</b> <small>(26 55 53 11-0185)</small>		
26 55 53 11-0187	EA		400 High Pressure Sodium CN Series Ruud Flood Light.....	1,025.52	154.61
26 55 53 11-0188	EA		1,000 High Pressure Sodium CN Series Ruud Flood Light.....	1,219.53	154.61
<b>26 55 53 11-0189</b>			<b>Metal Halide CN Series Ruud Flood Lights</b> <small>(26 55 53 11-0185)</small>		
26 55 53 11-0190	EA		400 Watt Metal Halide CN Series Ruud Flood Light.....	980.75	154.61
26 55 53 11-0191	EA		1,000 Watt Metal Halide CN Series Ruud Flood Light.....	1,096.41	154.61
<b>26 55 53 11-0192</b>			<b>PM/PN (Parabolic Medium And Narrow Square) Series Ruud Flood Lights</b> <small>(26 55 53 11-0113)</small>		
			Note: The PM and PN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.		
<b>26 55 53 11-0193</b>			<b>High Pressure Sodium PM/PN Series Ruud Flood Lights</b> <small>(26 55 53 11-0192)</small>		
26 55 53 11-0194	EA		250 Watt High Pressure Sodium PM/PN Series Ruud Flood Light.....	822.99	139.14
26 55 53 11-0195	EA		400 Watt High Pressure Sodium PM/PN Series Ruud Flood Light.....	841.64	139.14
<b>26 55 53 11-0196</b>			<b>Metal Halide PM/PN Series Ruud Flood Lights</b> <small>(26 55 53 11-0192)</small>		
26 55 53 11-0197	EA		175 Watt Metal Halide PM/PN Series Ruud Flood Light.....	781.95	139.14
26 55 53 11-0198	EA		250 Watt Metal Halide PM/PN Series Ruud Flood Light.....	785.68	139.14
26 55 53 11-0199	EA		400 Watt Metal Halide PM/PN Series Ruud Flood Light.....	796.87	139.14
26 55 53 11-0200	EA		1,000 Watt Metal Halide PM/PN Series Ruud Flood Light.....	1,144.91	154.61

<b>26</b>	<b>Electrical</b>
<b>26 50</b>	<b>Lighting</b>
<b>26 55</b>	<b>Special Purpose Lighting</b>

MINOR	CSI	UOM	DESCRIPTION
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TOTAL DIRECT	DEMOLITION
UNIT COST	UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0201			<b>Accessories For Ruud Flood Lighting</b> <small>(26 55 53 11-0113)</small>		
26 55 53 11-0202	EA		Wireguard For Ruud Flood Light.....	89.82	30.92
26 55 53 11-0203	EA		Deep Baffle (Full Visor) For Ruud Flood Light.....	140.19	30.92
26 55 53 11-0204	EA		Glare Guard (Upper Visor) For Ruud Flood Light.....	102.88	30.92
26 55 53 11-0205	EA		Vandal Shield For Ruud Flood Light.....	121.53	30.92
26 55 53 11-0206	EA		Pipe Mounting Bracket For Ruud Flood Light.....	248.95	92.76
26 55 53 11-0207	EA		120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Ruud Flood Light.....	78.63	30.92
26 55 53 11-0208			<b>Lumark Flood Lights</b> <small>(26 55 53 11)</small>		
26 55 53 11-0209			<b>QZ Wedge Series Quartz Lumark Flood Lights</b> <small>(26 55 53 11-0208)</small>		
			Note: For small outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.		
26 55 53 11-0210	EA		500 Watt QZ Wedge Series Quartz Lumark Flood Light.....	223.68	92.76
26 55 53 11-0211			<b>LQL Series Quartz Lumark Flood Lights</b> <small>(26 55 53 11-0208)</small>		
			Note: For medium size outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.		
26 55 53 11-0212	EA		1,500 Watt LQL Series Quartz Lumark Flood Light.....	278.71	92.76
26 55 53 11-0213			<b>Kim Lighting</b> <small>(26 55 53 11)</small>		
26 55 53 11-0214			<b>MicroFlood® Series Kim Lighting Flood Lights</b> <small>(26 55 53 11-0213)</small>		
			Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.		
26 55 53 11-0215			<b>LED MicroFlood® Series Kim Lighting Flood Lights</b> <small>(26 55 53 11-0214)</small>		
26 55 53 11-0216	EA		5 Watt, LED MicroFlood® Series Kim Lighting Flood Light.....	443.19	38.00
			For >50 To 100, Deduct	-12.98	
			For >100 To 250, Deduct	-24.06	
			For >250 To 500, Deduct	-44.32	
			For >500, Deduct	-64.58	
26 55 53 11-0217	EA		15 Watt, LED MicroFlood® Series Kim Lighting Flood Light.....	546.69	38.00
			For >50 To 100, Deduct	-15.57	
			For >100 To 250, Deduct	-29.23	
			For >250 To 500, Deduct	-54.67	
			For >500, Deduct	-80.10	
26 55 53 11-0218			<b>Scarab® Series Kim Lighting Flood Lights</b> <small>(26 55 53 11-0213)</small>		
			Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.		
26 55 53 11-0219			<b>LED Scarab® Series Kim Lighting Accent Flood Lights</b> <small>(26 55 53 11-0218)</small>		
			Note: Spot or narrow style accent flood lights.		
26 55 53 11-0220	EA		6 Watt, LED Scarab® Series Kim Lighting Accent Flood Light.....	674.00	38.00
			For >50 To 100, Deduct	-18.75	
			For >100 To 250, Deduct	-35.60	
			For >250 To 500, Deduct	-67.40	
			For >500, Deduct	-99.20	
26 55 53 11-0221			<b>CREE® BetaLED® Flood Lights</b> <small>(26 55 53 11)</small>		
26 55 53 11-0222			<b>Yoke Mount, Square, LED Flood Lights (CREE® BetaLED® FLD-304)</b> <small>(26 55 53 11-0221)</small>		
			Note: UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 53 11-0223	EA		40 LEDs, 47 Watt, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304).....	1,001.80	110.84
			For >50 To 100, Deduct	-30.59	
			For >100 To 250, Deduct	-55.63	
			For >250 To 500, Deduct	-100.18	
			For >500, Deduct	-144.73	
26 55 53 11-0224	EA		60 LEDs, 68 Watt, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304).....	1,096.69	116.99
			For >50 To 100, Deduct	-33.27	
			For >100 To 250, Deduct	-60.68	
			For >250 To 500, Deduct	-109.67	
			For >500, Deduct	-158.65	
26 55 53 11-0225			<b>Adjustable Arm Mount, Rectangular, LED Flood Lights (CREE® BetaLED® Edge® FLD-EDG)</b> <small>(26 55 53 11-0221)</small>		
			Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 53 11-0226	EA		20 LEDs, 26 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	871.33	104.68
			For 480 Volt, Add	87.01	
			For >50 To 100, Deduct	-27.02	
			For >100 To 250, Deduct	-48.80	
			For >250 To 500, Deduct	-87.13	
			For >500, Deduct	-125.47	
26 55 53 11-0227	EA		40 LEDs, 47 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,092.91	110.84
			For 480 Volt, Add	87.01	
			For >50 To 100, Deduct	-32.86	
			For >100 To 250, Deduct	-60.19	
			For >250 To 500, Deduct	-109.29	
			For >500, Deduct	-158.39	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 55 53 11-0228	EA		60 LEDs, 68 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,314.49	116.99
			<i>For 480 Volt, Add</i>	87.01	
			<i>For &gt;50 To 100, Deduct</i>	-38.71	
			<i>For &gt;100 To 250, Deduct</i>	-71.57	
			<i>For &gt;250 To 500, Deduct</i>	-131.45	
			<i>For &gt;500, Deduct</i>	-191.32	
26 55 53 11-0229	EA		80 LEDs, 90 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,620.06	123.16
			<i>For 480 Volt, Add</i>	87.01	
			<i>For &gt;50 To 100, Deduct</i>	-46.66	
			<i>For &gt;100 To 250, Deduct</i>	-87.16	
			<i>For &gt;250 To 500, Deduct</i>	-162.01	
			<i>For &gt;500, Deduct</i>	-236.85	
26 55 53 11-0230	EA		100 LEDs, 111 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,841.65	129.31
			<i>For 480 Volt, Add</i>	87.01	
			<i>For &gt;50 To 100, Deduct</i>	-52.51	
			<i>For &gt;100 To 250, Deduct</i>	-98.55	
			<i>For &gt;250 To 500, Deduct</i>	-184.17	
			<i>For &gt;500, Deduct</i>	-269.78	
26 55 53 11-0231	EA		120 LEDs, 132 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	2,063.23	135.47
			<i>For 480 Volt, Add</i>	87.01	
			<i>For &gt;50 To 100, Deduct</i>	-58.35	
			<i>For &gt;100 To 250, Deduct</i>	-109.93	
			<i>For &gt;250 To 500, Deduct</i>	-206.32	
			<i>For &gt;500, Deduct</i>	-302.71	
26 55 53 11-0232	EA		140 LEDs, 157 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	2,351.73	141.62
			<i>For 480 Volt, Add</i>	87.01	
			<i>For &gt;50 To 100, Deduct</i>	-65.87	
			<i>For &gt;100 To 250, Deduct</i>	-124.67	
			<i>For &gt;250 To 500, Deduct</i>	-235.17	
			<i>For &gt;500, Deduct</i>	-345.68	
26 55 53 11-0233	EA		160 LEDs, 179 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	2,573.30	147.79
			<i>For 480 Volt, Add</i>	87.01	
			<i>For &gt;50 To 100, Deduct</i>	-71.72	
			<i>For &gt;100 To 250, Deduct</i>	-136.05	
			<i>For &gt;250 To 500, Deduct</i>	-257.33	
			<i>For &gt;500, Deduct</i>	-378.61	

**26 55 53 11-0234 Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® Edge® FLD-EHO) (26 55 53 11-0221)**

Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 55 53 11-0235	EA		120 LEDs, 267 Watt, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO).....	1,979.24	135.47
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78	
			<i>For Bird Spikes, Add</i>	40.00	
			<i>For 5,000K Color Temperature, Add</i>	41.98	
			<i>For Fuse, Add</i>	50.37	
			<i>For 0 To 10 Volt Dimming, Add</i>	50.37	
			<i>For 480 Volt, Add</i>	75.56	
			<i>For Multi-Level, Add</i>	109.13	
			<i>For 1,000mA Driver, Add</i>	141.04	
			<i>For &gt;50 To 100, Deduct</i>	-56.25	
			<i>For &gt;100 To 250, Deduct</i>	-105.74	
			<i>For &gt;250 To 500, Deduct</i>	-197.92	
			<i>For &gt;500, Deduct</i>	-290.11	
26 55 53 11-0236	EA		240 LEDs, 533 Watt, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO).....	3,345.41	166.25
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78	
			<i>For 5,000K Color Temperature, Add</i>	41.98	
			<i>For Fuse, Add</i>	50.37	
			<i>For 0 To 10 Volt Dimming, Add</i>	50.37	
			<i>For Bird Spikes, Add</i>	58.95	
			<i>For Multi-Level, Add</i>	109.13	
			<i>For 1,000mA Driver, Add</i>	141.04	
			<i>For 480 Volt, Add</i>	151.10	
			<i>For &gt;50 To 100, Deduct</i>	-91.95	
			<i>For &gt;100 To 250, Deduct</i>	-175.58	
			<i>For &gt;250 To 500, Deduct</i>	-334.54	
			<i>For &gt;500, Deduct</i>	-493.50	

**26 55 53 11-0237 Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® OSQ™) (26 55 53 11-0221)**

Note: UL wet listed. Includes 3,000K or 4,000K or 5,700K color temperature, 120/277 voltage, Class 1 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

**26 Electrical****26 50 Lighting****26 55 Special Purpose Lighting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 55 53 11-0238	EA 112 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-A-XXX-US-UL).....	1,170.04	135.47
	For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.78	
	For Front Facing Optics, Back Light Shield, Add	31.17	
	For Rotated Optics, Back Light Shield, Add	31.17	
	For Field Adjustable Output, Add	25.19	
	For Fuse, Add	50.37	
	For 0 To 10 Volt Dimming, Add	50.37	
	For Multi-Level, Add	109.13	
	For >50 To 100, Deduct	-36.02	
	For >100 To 250, Deduct	-65.28	
	For >250 To 500, Deduct	-117.00	
	For >500, Deduct	-168.73	
26 55 53 11-0239	EA 168 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-J-XXX-US-UL).....	1,249.38	135.47
	Note: Type III, IV or V medium optics only.		
	For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.78	
	For Front Facing Optics, Back Light Shield, Add	31.17	
	For Rotated Optics, Back Light Shield, Add	31.17	
	For Field Adjustable Output, Add	25.19	
	For Fuse, Add	50.37	
	For 0 To 10 Volt Dimming, Add	50.37	
	For Type II Medium Or Type V Short Optics, Add	306.76	
	For Multi-Level, Add	109.13	
	For >50 To 100, Deduct	-38.01	
	For >100 To 250, Deduct	-69.24	
	For >250 To 500, Deduct	-124.94	
	For >500, Deduct	-180.63	
26 55 53 11-0240	EA 223 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-S-XXX-US-UL).....	1,601.84	166.25
	For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.78	
	For Field Adjustable Output, Add	25.19	
	For Front Facing Optics, Back Light Shield, Add	37.78	
	For Rotated Optics, Back Light Shield, Add	37.78	
	For Fuse, Add	50.37	
	For 0 To 10 Volt Dimming, Add	50.37	
	For Multi-Level, Add	109.13	
	For >50 To 100, Deduct	-48.36	
	For >100 To 250, Deduct	-88.40	
	For >250 To 500, Deduct	-160.18	
	For >500, Deduct	-231.96	
26 55 53 11-0241	PlanLED Flood Lights <small>(26 55 53 11)</small>		
26 55 53 11-0242	Adjustable Arm Mount, LED Flood Lights (PlanLED WAPA) <small>(26 55 53 11-0241)</small>		
26 55 53 11-0243	EA 6,250 Lumens, 50 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP050).....	556.21	110.84
	For >50 To 100, Deduct	-19.45	
	For >100 To 250, Deduct	-33.35	
	For >250 To 500, Deduct	-55.62	
	For >500, Deduct	-77.89	
26 55 53 11-0244	EA 9,375 Lumens, 75 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP075).....	662.89	116.99
	For >50 To 100, Deduct	-22.42	
	For >100 To 250, Deduct	-38.99	
	For >250 To 500, Deduct	-66.29	
	For >500, Deduct	-93.58	
26 55 53 11-0245	EA 12,500 Lumens, 100 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP100).....	763.71	126.23
	For >50 To 100, Deduct	-25.40	
	For >100 To 250, Deduct	-44.50	
	For >250 To 500, Deduct	-76.37	
	For >500, Deduct	-108.25	
26 55 53 11-0246	Adjustable Arm Mount, LED Sports Flood Lights (PlanLED SUFA) <small>(26 55 53 11-0241)</small>		
26 55 53 11-0247	EA 21,000 Lumens, 200 Watt, LED Sports Flood Light (PlanLED SUFA SF200).....	1,547.69	246.30
	For 0 To 10 Volt Dimming, Add	73.52	
	For >50 To 100, Deduct	-51.01	
	For >100 To 250, Deduct	-89.70	
	For >250 To 500, Deduct	-154.77	
	For >500, Deduct	-219.84	
26 55 53 11-0248	EA 42,000 Lumens, 400 Watt, LED Sports Flood Light (PlanLED SUFA SF400).....	2,379.75	246.30
	For 0 To 10 Volt Dimming, Add	73.52	
	For >50 To 100, Deduct	-71.81	
	For >100 To 250, Deduct	-131.30	
	For >250 To 500, Deduct	-237.98	
	For >500, Deduct	-344.65	
26 55 53 11-0249	EA 84,000 Lumens, 800 Watt, LED Sports Flood Light (PlanLED SUFA SF800).....	4,170.84	246.30
	For 0 To 10 Volt Dimming, Add	73.52	
	For >50 To 100, Deduct	-116.59	
	For >100 To 250, Deduct	-220.86	
	For >250 To 500, Deduct	-417.08	
	For >500, Deduct	-613.31	
26 55 53 11-0250	Adjustable Arm Mount, LED High Mast Flood Lights (PlanLED MAHA) <small>(26 55 53 11-0241)</small>		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 55 53 11-0251 EA 26,000 Lumens, 200 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA200).....	1,361.56	160.10
For 0 To 10 Volt Dimming, Add	73.52	
For 480 Volt, Add	-29.08	
For >50 To 100, Deduct	-42.04	
For >100 To 250, Deduct	-76.08	
For >250 To 500, Deduct	-136.16	
For >500, Deduct	-196.23	
26 55 53 11-0252 EA 39,000 Lumens, 300 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA300).....	1,737.58	166.25
For 0 To 10 Volt Dimming, Add	73.52	
For 480 Volt, Add	88.68	
For >50 To 100, Deduct	-51.75	
For >100 To 250, Deduct	-95.19	
For >250 To 500, Deduct	-173.76	
For >500, Deduct	-252.32	
26 55 53 11-0253 EA 52,000 Lumens, 400 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA400).....	2,211.40	172.41
For 0 To 10 Volt Dimming, Add	73.52	
For 480 Volt, Add	71.23	
For >50 To 100, Deduct	-63.91	
For >100 To 250, Deduct	-119.19	
For >250 To 500, Deduct	-221.14	
For >500, Deduct	-323.09	

**26 55 53 12 Security Hazardous Location Flood Lights (26 55 53)**

Note: For general to heavy industrial applications in marine and corrosive environments. Class 1 Division 2.

26 55 53 12-0001 Lithonia Hazardous Location Flood Lights (26 55 53 12)		
26 55 53 12-0002 HFR (Horizontally Oriented Mogul Base) Series Hazardous Location Flood Lights (26 55 53 12-0001)		
Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 55 53 12-0003 High Pressure Sodium HFR Series Hazardous Location Flood Lights (26 55 53 12-0002)		
26 55 53 12-0004 EA 150 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	863.54	123.69
26 55 53 12-0005 EA 250 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	921.37	123.69
26 55 53 12-0006 EA 400 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	865.41	123.69
26 55 53 12-0007 Metal Halide HFR Series Lithonia Hazardous Location Flood Lights (26 55 53 12-0002)		
26 55 53 12-0008 EA 250 Watt Metal Halide HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	915.19	123.69
26 55 53 12-0009 EA 400 Watt Metal Halide HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	887.79	123.69
26 55 53 12-0010 HFM (Medium Base) Series Hazardous Location Flood Lights (26 55 53 12-0001)		
Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 55 53 12-0011 High Pressure Sodium HFM Series Lithonia Hazardous Location Flood Lights (26 55 53 12-0010)		
26 55 53 12-0012 EA 100 Watt High Pressure Sodium HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	823.79	123.69
26 55 53 12-0013 EA 150 Watt High Pressure Sodium HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	858.30	123.69
26 55 53 12-0014 Metal Halide HFM Series Lithonia Hazardous Location Flood Lights (26 55 53 12-0010)		
26 55 53 12-0015 EA 175 Watt Metal Halide HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	730.52	123.69
26 55 53 12-0016 HFA (Large) Series Hazardous Location Flood Lights (26 55 53 12-0001)		
Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 55 53 12-0017 High Pressure Sodium HFA Series Lithonia Hazardous Location Flood Lights (26 55 53 12-0016)		
26 55 53 12-0018 EA 250 Watt High Pressure Sodium HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	1,161.70	154.61
26 55 53 12-0019 EA 400 Watt High Pressure Sodium HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	1,178.49	154.61
26 55 53 12-0020 Metal Halide HFA Series Lithonia Hazardous Location Flood Lights (26 55 53 12-0016)		
26 55 53 12-0021 EA 250 Watt Metal Halide HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	1,156.10	154.61
26 55 53 12-0022 EA 400 Watt Metal Halide HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	1,178.49	154.61
26 55 53 12-0023 HFL (Medium) Series Hazardous Location Flood Lights (26 55 53 12-0001)		
Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 55 53 12-0024 High Pressure Sodium HFL Series Lithonia Hazardous Location Flood Lights (26 55 53 12-0023)		
26 55 53 12-0025 EA 400 Watt High Pressure Sodium HFL Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	865.89	139.14

<b>26</b>	<b>Electrical</b>
<b>26 50</b>	<b>Lighting</b>
<b>26 55</b>	<b>Special Purpose Lighting</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 55 53 12-0026			<b>Metal Halide HFL Series Lithonia Hazardous Location Flood Lights</b> (26 55 53 12-0023)		
26 55 53 12-0027	EA		400 Watt Metal Halide HFL Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	931.18	139.14
26 55 53 12-0028			<b>Accessories For Lithonia Hazardous Location Flood Lights</b> (26 55 53 12-0001) See CSI section 26 55 53 11-0099 for accessories.		
<b>26 55 53 13</b>			<b>Security High Performance Flood Lights</b> (26 55 53) Note: For airport aprons and parking areas.		
26 55 53 13-0001			<b>Lithonia High Performance Flood Lights</b> (26 55 53 13)		
26 55 53 13-0002			<b>170S Series Lithonia High Performance Flood Lights</b> (26 55 53 13-0001) Note: Die-cast aluminum housing welded seams, stainless steel hardware, corrosion resistant polyester powder finish, and thermal and shock resistant flat lens.		
26 55 53 13-0003			<b>High Pressure Sodium 170S Series Lithonia High Performance Flood Lights</b> (26 55 53 13-0002)		
26 55 53 13-0004	EA		250 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light .....	1,992.09	185.53
26 55 53 13-0005	EA		400 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light .....	2,145.06	185.53
26 55 53 13-0006	EA		750 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light .....	2,152.52	185.53
26 55 53 13-0007	EA		1,000 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light .....	2,385.69	185.53
26 55 53 13-0008			<b>Metal Halide 170S Series Lithonia High Performance Flood Lights</b> (26 55 53 13-0002)		
26 55 53 13-0009	EA		320 Watt Metal Halide 170S Series Lithonia High Performance Flood Light .....	2,288.69	185.53
26 55 53 13-0010	EA		350 Watt Metal Halide 170S Series Lithonia High Performance Flood Light .....	2,185.25	185.53
26 55 53 13-0011	EA		400 Watt Metal Halide 170S Series Lithonia High Performance Flood Light .....	2,087.23	185.53
26 55 53 13-0012	EA		1,000 Watt Metal Halide 170S Series Lithonia High Performance Flood Light .....	2,184.23	185.53
26 55 53 13-0013			<b>Accessories For Lithonia High Performance Flood Lights</b> (26 55 53 13-0002) See CSI section 26 55 53 11-0099 for accessories.		
<b>26 55 61</b>			<b>Theatrical Lighting</b> (26 55)		
<b>26 55 61 00-0001</b>			<b>Stage Lighting</b> (26 55 61)		
26 55 61 00-0002	EA		Ellipsoidal Spotlight, Two 6" x 9" Lenses..... Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20 amperes, 3 watts ground, male pin connector and high performance lamp.	539.41	131.67
26 55 61 00-0003	EA		Ellipsoidal Spotlight, Two 6" x 12" Lenses..... Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20 amperes, 3 watts ground, male pin connector and high performance lamp.	539.41	131.67
26 55 61 00-0004	EA		Ellipsoidal Spotlight, Two 6" x 16" Lenses..... Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20 amperes, 3 watts ground, male pin connector and high performance lamp.	539.41	131.67
26 55 61 00-0005	EA		14" Scoop Floodlight Altman #SC14.....	555.87	131.67
26 55 61 00-0006	EA		6" Diameter Fresnel Spotlight, Spherical Specular Alzak .....	385.01	131.67
26 55 61 00-0007	EA		8" Diameter Fresnel Spotlight, Spherical Specular Alzak .....	622.62	131.67
26 55 61 00-0008	EA		Follow Spotlight With Steel Chassis And Lightweight..... Note: Aluminum housing, includes lamp adjustment plate, silent lamp fan, dowser, iris and clipper, rear lens control, coated lenses, six color boomerang, color fan, 34" x 34" castered stand.	1,843.27	131.67
26 55 61 00-0009	EA		Follow Spotlight With Steel Chassis And Lightweight..... Note: Aluminum housing, includes lamp adjustment plate, ballast, electronic power supply, stepdown transformer, silent lamp fan, dowser, iris and clipper, rear lens control, coated lenses, six color boomerang, color fan, 34" x 34" castered stand.	2,217.27	131.67
26 55 61 00-0010	EA		PAR 64 Can Lighting With 20 Gauge Sheet Steel..... Note: Formed lamp housing, hinged and latched rear housing secured by retention ring, safety cable, safety screen, PAR 64 lamp, male pin connector.	326.59	131.67
26 55 61 00-0011	EA		6' Long Borderlight Sections..... Note: With continuous sheet steel housing, supported by 1-1/2" x 3/16" steel yoke with C-clamp, includes 30 lights per section wired on 3 circuits, alzak aluminum reflector with matte finish.	1,087.65	131.67
26 55 61 00-0012	EA		1,000 Watt, 25 To 125' Throw, Follow Spotlight (Times Square Lighting QF1000S) .....	2,388.33	131.67
<b>26 55 70</b>			<b>Healthcare Lighting</b> (26 55)		
<b>26 55 70 00-0001</b>			<b>Surgical Lighting Fixtures</b> (26 55 70)		
26 55 70 00-0002	EA		Surgical Lighting Fixture, 120 Volt, Max Va 126, 100 Volt Halogen.....	4,831.88	
26 55 70 00-0003	EA		Install Owner Furnished Surgical Lights.....	635.58	
26 55 70 00-0004			<b>Patient Care Fluorescent Fixtures</b> (26 55 70)		
<b>26 55 70 00-0005</b>			<b>Ambient And Exam Combination, Patient Care Fluorescent Fixtures</b> <b>(Cooper Fail-Safe)</b> (26 55 70 00-0004) Note: Includes ambient and exam lights, 20 gauge steel housing with powder coated finish, acrylic diffuser and electronic ballast.		
26 55 70 00-0006	EA		2' x 2', 3 T8 Ambient Lamps, 2 T8 Exam Lamps, Multi-Function Patient Care Fluorescent Troffer (Cooper MAE) .....	1,189.12	49.85
26 55 70 00-0007	EA		2' x 4', 3 T8 Ambient Lamps, 2 T8 Exam Lamps, Multi-Function Patient Care Fluorescent Troffer (Cooper MAE) .....	1,312.13	49.85
26 55 70 00-0008	EA		2' x 4', 2 Biax Ambient Lamps, 4 Biax Exam Lamps, Multi-Function Patient Care Fluorescent Troffer (Cooper MPR2) .....	1,068.01	49.85



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 55 70 00-0009			<b>Reading, Ambient And Exam Combination, Patient Care Fluorescent Fixtures (Cooper Fail-Safe)</b> <small>(26 55 70 00-0004)</small> Note: Includes reading, ambient and exam lights, 20 gauge steel housing with powder coated finish, acrylic diffuser and electronic ballast.		
26 55 70 00-0010	EA		2' x 4', 1 Biax Reading Lamp, 2 Biax Ambient Lamps, 3 Biax Exam Lamps, Multi-Function Patient Care Fluorescent Troffer (Cooper MPR) .....	1,179.84	49.85
26 55 70 00-0011			<b>Multi-Function Patient Care Fluorescent Fixtures (Day-Brite MPC)</b> <small>(26 55 70 00-0004)</small> Note: Includes reading, ambient, exam and nurses light, steel housing with baked enamel finish, acrylic diffuser and electronic ballasts.		
26 55 70 00-0012	EA		2' x 4', 6 40W T5 Lamps, Multi-Function Patient Care Fluorescent Fixture (Day-Brite MPC) .....	1,787.78	49.85
26 55 70 00-0013			<b>Exam And Surgical Lighting Fixtures</b> <small>(26 55 70)</small>		
26 55 70 00-0014	EA		Dual Intensity, K-arm, Ceiling Mounted, Exam Light (Burton PHL-NXC) .....	895.37	54.18
26 55 70 00-0015	EA		Ceiling Mounted, Spot Exam Light (Sunnex SNX-HM2017-44EXT) .....	1,567.48	54.18
26 55 70 00-0016	EA		Ceiling Mounted, LED Exam Light (Bovie BOV-XLDP-SC) .....	3,479.58	54.18
26 55 70 00-0017	EA		Two LED Series, Ceiling Mounted, Surgical Light With Monitor And Monitor Arm (Bovie BOV-XLDS-S2MA) .....	16,959.84	72.29
26 55 70 00-0018	EA		Two LED Series, Triple Ceiling Mounted, Surgical Light With Monitor And Monitor Arm (Bovie BOV-XLDS-S23MA) .....	24,502.11	108.38
26 55 70 00-0019	EA		Double Ceiling Mounted, Dual Spot Exam Lights (Burton PHL-CS316DC) .....	5,663.41	72.29
26 55 70 00-0020	EA		Double Ceiling Mounted, Dual Y Shape Lamp Heads (Burton PHL-A50DC) .....	6,084.59	72.29
26 55 70 00-0021	EA		Double Ceiling Mounted, Halogen Bulbs (Burton PHL-OP216DC) .....	5,135.79	72.29
26 55 70 00-0022	EA		360 Degree Rotation, 120 Volt, Double Ceiling Mounted, Surgical Light (Burton PHL-A100DC) .....	7,177.84	108.38
26 55 70 00-0023	EA		Double Ceiling Mounted, Spot Examination Lights (Burton PHL-CS316DT) .....	7,902.13	72.29
26 55 70 00-0024	EA		Double Ceiling Mounted, Y Shaped Examination Light (Burton PHL-OP216DT) .....	7,453.65	72.29
26 55 70 00-0025	EA		Double Ceiling Mounted, Examination/Spot Combination Light (Burton PHL-OC516CC) .....	5,404.61	86.69
26 55 70 00-0026	EA		Double Ceiling Mounted, LED Procedure Light (Bovie BOV-XLDP-DC) .....	7,177.85	72.29
26 55 70 00-0027	EA		Double Ceiling Mounted, LED Examination Light (Burton PHL-ALEDDC) .....	6,547.44	108.38
26 55 70 00-0028	EA		Two Monitor Arm, Ceiling Mounted, Exam Light (Bovie BOV-XLDS-MA) .....	7,494.08	72.29
26 55 70 00-0029	EA		360 Degree Rotation, 120 Volt, Single Ceiling Mounted Surgical Light (Burton PHL-A100SC) .....	4,015.63	61.88
26 55 70 00-0030	EA		360 Degree Rotation, Autoclavable Handle, Ceiling Mounted Surgical Light (Burton PHL-APXSC8) .....	11,891.62	61.88
26 55 70 00-0031	EA		Ceiling Mounted Surgical Light (Burton PHL-A200SC) .....	5,890.48	61.88
26 55 70 00-0032	EA		MRI Compatible, Ceiling Mounted Surgical Light (Sunnex SNX-CS2050C-MRI) .....	5,852.02	61.88
26 55 70 00-0033	EA		Ceiling Mounted LED Surgical Light (Bovie BOV-XLD-SC) .....	4,508.72	61.88
26 55 70 00-0034	EA		Ceiling Mounted LED Surgical Light With Battery Pack (Bovie BOV-XLD-SCB) .....	6,725.09	61.88
26 55 70 00-0035	EA		Ceiling Mounted Two LED Series Surgical Light (Bovie BOV-XLDS-S2) .....	10,434.23	61.88
26 55 70 00-0036	EA		Dual Ceiling Mounted LED Series Surgical Light And HD Video Camera Arm (Bovie BOV-XLDS-S2VC) .....	19,001.99	61.88
26 55 70 00-0037	EA		Medical Illumination, Single Trolley Shuttle Track, Ceiling Mounted Surgical Light (Medical Illumination MII-64011) .....	2,682.37	61.88
26 55 70 00-0038	EA		Double Ceiling Mounted, Surgical Light (Burton PHL-A200DC) .....	10,575.50	108.38
26 55 70 00-0039	EA		Double Ceiling Mounted, Surgical Light (Burton PHL-APXDC8) .....	23,167.26	108.38
26 55 70 00-0040	EA		Double Ceiling Mounted, LED Surgical Light (Bovie BOV-XLD-DC) .....	8,609.68	108.38
26 55 70 00-0041	EA		Double Ceiling Mounted, Autoclavable Handle, LED Surgical Light (Sunnex SNX-CSLED-D) .....	6,231.45	108.38
26 55 70 00-0042	EA		Triple Ceiling Mounted, LED Series Surgical Light (Bovie BOV-XLDS-S23) .....	27,235.49	123.88
26 55 70 00-0043	EA		Triple Ceiling Mounted, LED Series Surgical Light And Monitor Arm (Bovie BOV-XLDS-S23MA) .....	24,563.99	123.88

**26 56 Exterior Lighting** (26 50)

**26 56 13 Lighting Poles and Standards** (26 56)

26 56 13 00-0001			<b>Poles And Standards</b> <small>(26 56 13)</small> See CSI section 26 05 46 00-0000 for additional poles, 26 05 46 00-0001 for additional pole.		
26 56 13 00-0002			<b>Roadway Light Poles</b> <small>(26 56 13 00-0001)</small> Note: Excludes lighting fixtures.		
26 56 13 00-0003			<b>Steel Roadway Light Poles</b> <small>(26 56 13 00-0002)</small> Note: Includes prime painted finish, anchor bolts, steel base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).		
26 56 13 00-0004			<b>Round Tapered, Steel Roadway Light Poles</b> <small>(26 56 13 00-0003)</small>		
26 56 13 00-0005			<b>Round Tapered, Steel Roadway Light Poles With Upsweep Style Arms</b> <small>(26 56 13 00-0004)</small>		
26 56 13 00-0006			<b>Round Tapered, Steel Roadway Light Poles With Single Upsweep Style Arm</b> <small>(26 56 13 00-0005)</small>		
26 56 13 00-0007	EA		20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base .....	2,516.53	371.06
			For Galvanized Finish, Add .....	53.23	
			For >10 To 20, Deduct .....	-62.91	
			For >20 To 40, Deduct .....	-125.83	
			For >40, Deduct .....	-207.29	
26 56 13 00-0008	EA		20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base .....	2,520.92	371.06
			For Galvanized Finish, Add .....	53.36	
			For >10 To 20, Deduct .....	-63.02	
			For >20 To 40, Deduct .....	-126.05	
			For >40, Deduct .....	-207.62	
26 56 13 00-0009	EA		25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base .....	2,794.28	494.74
			For Galvanized Finish, Add .....	54.14	
			For >10 To 20, Deduct .....	-69.86	
			For >20 To 40, Deduct .....	-139.71	
			For >40, Deduct .....	-234.31	

**26 Electrical****26 50 Lighting****26 56 Exterior Lighting**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 56 13 00-0010	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	2,847.01	494.74
		<i>For Galvanized Finish, Add</i>	55.73	
		<i>For &gt;10 To 20, Deduct</i>	-71.18	
		<i>For &gt;20 To 40, Deduct</i>	-142.35	
		<i>For &gt;40, Deduct</i>	-238.26	
26 56 13 00-0011	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	2,899.75	494.74
		<i>For Galvanized Finish, Add</i>	57.31	
		<i>For &gt;10 To 20, Deduct</i>	-72.49	
		<i>For &gt;20 To 40, Deduct</i>	-144.99	
		<i>For &gt;40, Deduct</i>	-242.22	
26 56 13 00-0012	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,034.54	556.59
		<i>For Galvanized Finish, Add</i>	57.64	
		<i>For &gt;10 To 20, Deduct</i>	-75.86	
		<i>For &gt;20 To 40, Deduct</i>	-151.73	
		<i>For &gt;40, Deduct</i>	-255.42	
26 56 13 00-0013	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,059.55	556.59
		<i>For Galvanized Finish, Add</i>	58.39	
		<i>For &gt;10 To 20, Deduct</i>	-76.49	
		<i>For &gt;20 To 40, Deduct</i>	-152.98	
		<i>For &gt;40, Deduct</i>	-257.30	
26 56 13 00-0014	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,064.31	556.59
		<i>For Galvanized Finish, Add</i>	58.53	
		<i>For &gt;10 To 20, Deduct</i>	-76.61	
		<i>For &gt;20 To 40, Deduct</i>	-153.22	
		<i>For &gt;40, Deduct</i>	-257.65	
26 56 13 00-0015	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,214.92	587.51
		<i>For Galvanized Finish, Add</i>	61.20	
		<i>For &gt;10 To 20, Deduct</i>	-80.37	
		<i>For &gt;20 To 40, Deduct</i>	-160.75	
		<i>For &gt;40, Deduct</i>	-270.49	
26 56 13 00-0016	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,233.81	587.51
		<i>For Galvanized Finish, Add</i>	61.76	
		<i>For &gt;10 To 20, Deduct</i>	-80.85	
		<i>For &gt;20 To 40, Deduct</i>	-161.69	
		<i>For &gt;40, Deduct</i>	-271.91	
26 56 13 00-0017	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,254.44	587.51
		<i>For Galvanized Finish, Add</i>	62.38	
		<i>For &gt;10 To 20, Deduct</i>	-81.36	
		<i>For &gt;20 To 40, Deduct</i>	-162.72	
		<i>For &gt;40, Deduct</i>	-273.46	
26 56 13 00-0018	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,685.73	618.43
		<i>For Galvanized Finish, Add</i>	73.47	
		<i>For &gt;10 To 20, Deduct</i>	-92.14	
		<i>For &gt;20 To 40, Deduct</i>	-184.29	
		<i>For &gt;40, Deduct</i>	-307.35	
26 56 13 00-0019	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,692.45	618.43
		<i>For Galvanized Finish, Add</i>	73.67	
		<i>For &gt;10 To 20, Deduct</i>	-92.31	
		<i>For &gt;20 To 40, Deduct</i>	-184.62	
		<i>For &gt;40, Deduct</i>	-307.86	
26 56 13 00-0020	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,699.10	618.43
		<i>For Galvanized Finish, Add</i>	73.87	
		<i>For &gt;10 To 20, Deduct</i>	-92.48	
		<i>For &gt;20 To 40, Deduct</i>	-184.96	
		<i>For &gt;40, Deduct</i>	-308.35	

**26 56 13 00-0021 Round Tapered, Steel Roadway Light Poles With Two Upsweep Style**
**Arms** (26 56 13 00-0005)

26 56 13 00-0022	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,118.84	432.90
		<i>For Galvanized Finish, Add</i>	67.59	
		<i>For &gt;10 To 20, Deduct</i>	-77.97	
		<i>For &gt;20 To 40, Deduct</i>	-155.94	
		<i>For &gt;40, Deduct</i>	-255.56	
26 56 13 00-0023	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,177.95	448.36
		<i>For Galvanized Finish, Add</i>	68.44	
		<i>For &gt;10 To 20, Deduct</i>	-79.45	
		<i>For &gt;20 To 40, Deduct</i>	-158.90	
		<i>For &gt;40, Deduct</i>	-260.76	
26 56 13 00-0024	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,230.09	463.83
		<i>For Galvanized Finish, Add</i>	69.07	
		<i>For &gt;10 To 20, Deduct</i>	-80.75	
		<i>For &gt;20 To 40, Deduct</i>	-161.50	
		<i>For &gt;40, Deduct</i>	-265.45	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0025	EA		25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	3,183.53	556.59
			For Galvanized Finish, Add	62.11	
			For >10 To 20, Deduct	-79.59	
			For >20 To 40, Deduct	-159.18	
			For >40, Deduct	-266.59	
26 56 13 00-0026	EA		25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	3,225.62	572.05
			For Galvanized Finish, Add	62.45	
			For >10 To 20, Deduct	-80.64	
			For >20 To 40, Deduct	-161.28	
			For >40, Deduct	-270.52	
26 56 13 00-0027	EA		25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	3,261.09	587.51
			For Galvanized Finish, Add	62.58	
			For >10 To 20, Deduct	-81.53	
			For >20 To 40, Deduct	-163.05	
			For >40, Deduct	-273.96	
26 56 13 00-0028	EA		30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	3,445.32	618.43
			For Galvanized Finish, Add	66.25	
			For >10 To 20, Deduct	-86.13	
			For >20 To 40, Deduct	-172.27	
			For >40, Deduct	-289.32	
26 56 13 00-0029	EA		30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	3,483.04	633.90
			For Galvanized Finish, Add	66.46	
			For >10 To 20, Deduct	-87.08	
			For >20 To 40, Deduct	-174.15	
			For >40, Deduct	-292.92	
26 56 13 00-0030	EA		30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	3,518.28	649.35
			For Galvanized Finish, Add	66.59	
			For >10 To 20, Deduct	-87.96	
			For >20 To 40, Deduct	-175.91	
			For >40, Deduct	-296.34	
26 56 13 00-0031	EA		35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	3,651.85	649.35
			For Galvanized Finish, Add	70.59	
			For >10 To 20, Deduct	-91.30	
			For >20 To 40, Deduct	-182.59	
			For >40, Deduct	-306.36	
26 56 13 00-0032	EA		35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	3,712.01	664.81
			For Galvanized Finish, Add	71.47	
			For >10 To 20, Deduct	-92.80	
			For >20 To 40, Deduct	-185.60	
			For >40, Deduct	-311.64	
26 56 13 00-0033	EA		35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	3,770.65	680.28
			For Galvanized Finish, Add	72.30	
			For >10 To 20, Deduct	-94.27	
			For >20 To 40, Deduct	-188.53	
			For >40, Deduct	-316.81	
26 56 13 00-0034	EA		40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	4,096.66	680.28
			For Galvanized Finish, Add	82.08	
			For >10 To 20, Deduct	-102.42	
			For >20 To 40, Deduct	-204.83	
			For >40, Deduct	-341.26	
26 56 13 00-0035	EA		40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	4,131.97	695.73
			For Galvanized Finish, Add	82.22	
			For >10 To 20, Deduct	-103.30	
			For >20 To 40, Deduct	-206.60	
			For >40, Deduct	-344.68	
26 56 13 00-0036	EA		40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	4,167.42	711.19
			For Galvanized Finish, Add	82.35	
			For >10 To 20, Deduct	-104.19	
			For >20 To 40, Deduct	-208.37	
			For >40, Deduct	-348.12	
<b>26 56 13 00-0037 Round Tapered, Steel Roadway Light Poles With Three Upsweep Style Arms</b>					
<small>(26 56 13 00-0005)</small>					
26 56 13 00-0038	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	3,721.39	618.43
			For Galvanized Finish, Add	74.54	
			For >10 To 20, Deduct	-93.03	
			For >20 To 40, Deduct	-186.07	
			For >40, Deduct	-310.03	
26 56 13 00-0039	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	3,787.70	649.35
			For Galvanized Finish, Add	74.67	
			For >10 To 20, Deduct	-94.69	
			For >20 To 40, Deduct	-189.39	
			For >40, Deduct	-316.55	

**26 Electrical****26 50 Lighting****26 56 Exterior Lighting**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 56 13 00-0040	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	3,860.63	680.28
		<i>For Galvanized Finish, Add</i>	75.00	
		<i>For &gt;10 To 20, Deduct</i>	-96.52	
		<i>For &gt;20 To 40, Deduct</i>	-193.03	
		<i>For &gt;40, Deduct</i>	-323.56	
26 56 13 00-0041	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	3,956.43	680.28
		<i>For Galvanized Finish, Add</i>	77.88	
		<i>For &gt;10 To 20, Deduct</i>	-98.91	
		<i>For &gt;20 To 40, Deduct</i>	-197.82	
		<i>For &gt;40, Deduct</i>	-330.75	
26 56 13 00-0042	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,024.85	711.19
		<i>For Galvanized Finish, Add</i>	78.07	
		<i>For &gt;10 To 20, Deduct</i>	-100.62	
		<i>For &gt;20 To 40, Deduct</i>	-201.24	
		<i>For &gt;40, Deduct</i>	-337.42	
26 56 13 00-0043	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	4,091.15	742.12
		<i>For Galvanized Finish, Add</i>	78.21	
		<i>For &gt;10 To 20, Deduct</i>	-102.28	
		<i>For &gt;20 To 40, Deduct</i>	-204.56	
		<i>For &gt;40, Deduct</i>	-343.94	
26 56 13 00-0044	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,200.66	711.19
		<i>For Galvanized Finish, Add</i>	83.35	
		<i>For &gt;10 To 20, Deduct</i>	-105.02	
		<i>For &gt;20 To 40, Deduct</i>	-210.03	
		<i>For &gt;40, Deduct</i>	-350.61	
26 56 13 00-0045	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,266.96	742.12
		<i>For Galvanized Finish, Add</i>	83.48	
		<i>For &gt;10 To 20, Deduct</i>	-106.67	
		<i>For &gt;20 To 40, Deduct</i>	-213.35	
		<i>For &gt;40, Deduct</i>	-357.13	
26 56 13 00-0046	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	4,333.27	773.04
		<i>For Galvanized Finish, Add</i>	83.62	
		<i>For &gt;10 To 20, Deduct</i>	-108.33	
		<i>For &gt;20 To 40, Deduct</i>	-216.66	
		<i>For &gt;40, Deduct</i>	-363.65	
26 56 13 00-0047	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,507.59	742.12
		<i>For Galvanized Finish, Add</i>	90.70	
		<i>For &gt;10 To 20, Deduct</i>	-112.69	
		<i>For &gt;20 To 40, Deduct</i>	-225.38	
		<i>For &gt;40, Deduct</i>	-375.18	
26 56 13 00-0048	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,573.68	773.04
		<i>For Galvanized Finish, Add</i>	90.83	
		<i>For &gt;10 To 20, Deduct</i>	-114.34	
		<i>For &gt;20 To 40, Deduct</i>	-228.68	
		<i>For &gt;40, Deduct</i>	-381.68	
26 56 13 00-0049	EA	40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	4,644.43	803.97
		<i>For Galvanized Finish, Add</i>	91.10	
		<i>For &gt;10 To 20, Deduct</i>	-116.11	
		<i>For &gt;20 To 40, Deduct</i>	-232.22	
		<i>For &gt;40, Deduct</i>	-388.53	

**26 56 13 00-0050 Round Tapered, Steel Roadway Light Poles With Four Upsweep Style Arms**

26 56 13 00-0051	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	4,134.51	680.28
		<i>For Galvanized Finish, Add</i>	83.22	
		<i>For &gt;10 To 20, Deduct</i>	-103.36	
		<i>For &gt;20 To 40, Deduct</i>	-206.73	
		<i>For &gt;40, Deduct</i>	-344.10	
26 56 13 00-0052	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	4,233.93	726.66
		<i>For Galvanized Finish, Add</i>	83.42	
		<i>For &gt;10 To 20, Deduct</i>	-105.85	
		<i>For &gt;20 To 40, Deduct</i>	-211.70	
		<i>For &gt;40, Deduct</i>	-353.88	
26 56 13 00-0053	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	4,331.08	773.04
		<i>For Galvanized Finish, Add</i>	83.55	
		<i>For &gt;10 To 20, Deduct</i>	-108.28	
		<i>For &gt;20 To 40, Deduct</i>	-216.55	
		<i>For &gt;40, Deduct</i>	-363.48	
26 56 13 00-0054	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	4,396.84	742.12
		<i>For Galvanized Finish, Add</i>	87.38	
		<i>For &gt;10 To 20, Deduct</i>	-109.92	
		<i>For &gt;20 To 40, Deduct</i>	-219.84	
		<i>For &gt;40, Deduct</i>	-366.87	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 13 00-0055	EA		30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	4,494.29	788.50
			For Galvanized Finish, Add	87.52	
			For >10 To 20, Deduct	-112.36	
			For >20 To 40, Deduct	-224.71	
			For >40, Deduct	-376.50	
26 56 13 00-0056	EA		30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base.....	4,566.05	834.88
			For Galvanized Finish, Add	86.89	
			For >10 To 20, Deduct	-114.15	
			For >20 To 40, Deduct	-228.30	
			For >40, Deduct	-384.20	
26 56 13 00-0057	EA		35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	4,711.71	773.04
			For Galvanized Finish, Add	94.97	
			For >10 To 20, Deduct	-117.79	
			For >20 To 40, Deduct	-235.59	
			For >40, Deduct	-392.03	
26 56 13 00-0058	EA		35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	4,839.22	819.42
			For Galvanized Finish, Add	96.01	
			For >10 To 20, Deduct	-120.98	
			For >20 To 40, Deduct	-241.96	
			For >40, Deduct	-403.91	
26 56 13 00-0059	EA		35' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base.....	4,908.50	865.80
			For Galvanized Finish, Add	95.31	
			For >10 To 20, Deduct	-122.71	
			For >20 To 40, Deduct	-245.43	
			For >40, Deduct	-411.43	
26 56 13 00-0060	EA		40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	4,918.31	803.97
			For Galvanized Finish, Add	99.31	
			For >10 To 20, Deduct	-122.96	
			For >20 To 40, Deduct	-245.92	
			For >40, Deduct	-409.07	
26 56 13 00-0061	EA		40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	5,015.45	850.35
			For Galvanized Finish, Add	99.44	
			For >10 To 20, Deduct	-125.39	
			For >20 To 40, Deduct	-250.77	
			For >40, Deduct	-418.68	
26 56 13 00-0062	EA		40' High, 10.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base.....	5,114.87	896.73
			For Galvanized Finish, Add	99.64	
			For >10 To 20, Deduct	-127.87	
			For >20 To 40, Deduct	-255.74	
			For >40, Deduct	-428.45	
26 56 13 00-0063			Round Tapered, Steel Roadway Light Poles With Davit Style Arm <small>(26 56 13 00-0004)</small>		
26 56 13 00-0064			Round Tapered, Steel Roadway Light Poles With Single Davit Style Arm <small>(26 56 13 00-0063)</small>		
26 56 13 00-0065	EA		25' High, 6.4" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base.....	2,957.47	494.74
			For Galvanized Finish, Add	59.04	
			For >10 To 20, Deduct	-73.94	
			For >20 To 40, Deduct	-147.87	
			For >40, Deduct	-246.55	
26 56 13 00-0066	EA		30' High, 7.1" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base.....	3,344.91	556.59
			For Galvanized Finish, Add	66.95	
			For >10 To 20, Deduct	-83.62	
			For >20 To 40, Deduct	-167.25	
			For >40, Deduct	-278.70	
26 56 13 00-0067	EA		35' High, 7.8" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base.....	3,443.47	587.51
			For Galvanized Finish, Add	68.05	
			For >10 To 20, Deduct	-86.09	
			For >20 To 40, Deduct	-172.17	
			For >40, Deduct	-287.64	
26 56 13 00-0068	EA		40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base.....	4,068.62	618.43
			For Galvanized Finish, Add	84.95	
			For >10 To 20, Deduct	-101.72	
			For >20 To 40, Deduct	-203.43	
			For >40, Deduct	-336.07	
26 56 13 00-0069			Round Tapered, Steel Roadway Light Poles With Truss Style Arms <small>(26 56 13 00-0004)</small>		
26 56 13 00-0070			Round Tapered, Steel Roadway Light Poles With Single Truss Style Arm <small>(26 56 13 00-0069)</small>		
26 56 13 00-0071	EA		25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	3,745.25	494.74
			For Galvanized Finish, Add	82.67	
			For >10 To 20, Deduct	-93.63	
			For >20 To 40, Deduct	-187.26	
			For >40, Deduct	-305.63	

**26 Electrical****26 50 Lighting****26 56 Exterior Lighting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 56 13 00-0072	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base .....	3,779.02	494.74
		<i>For Galvanized Finish, Add</i> .....	83.69	
		<i>For &gt;10 To 20, Deduct</i> .....	-94.48	
		<i>For &gt;20 To 40, Deduct</i> .....	-188.95	
		<i>For &gt;40, Deduct</i> .....	-308.16	
26 56 13 00-0073	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base .....	3,794.43	494.74
		<i>For Galvanized Finish, Add</i> .....	84.15	
		<i>For &gt;10 To 20, Deduct</i> .....	-94.86	
		<i>For &gt;20 To 40, Deduct</i> .....	-189.72	
		<i>For &gt;40, Deduct</i> .....	-309.32	
26 56 13 00-0074	EA	30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base .....	3,902.71	556.59
		<i>For Galvanized Finish, Add</i> .....	83.69	
		<i>For &gt;10 To 20, Deduct</i> .....	-97.57	
		<i>For &gt;20 To 40, Deduct</i> .....	-195.14	
		<i>For &gt;40, Deduct</i> .....	-320.53	
26 56 13 00-0075	EA	30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base .....	3,908.60	556.59
		<i>For Galvanized Finish, Add</i> .....	83.86	
		<i>For &gt;10 To 20, Deduct</i> .....	-97.72	
		<i>For &gt;20 To 40, Deduct</i> .....	-195.43	
		<i>For &gt;40, Deduct</i> .....	-320.97	
26 56 13 00-0076	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base .....	3,969.50	556.59
		<i>For Galvanized Finish, Add</i> .....	85.69	
		<i>For &gt;10 To 20, Deduct</i> .....	-99.24	
		<i>For &gt;20 To 40, Deduct</i> .....	-198.48	
		<i>For &gt;40, Deduct</i> .....	-325.54	
26 56 13 00-0077	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base .....	3,984.57	587.51
		<i>For Galvanized Finish, Add</i> .....	84.29	
		<i>For &gt;10 To 20, Deduct</i> .....	-99.61	
		<i>For &gt;20 To 40, Deduct</i> .....	-199.23	
		<i>For &gt;40, Deduct</i> .....	-328.22	
26 56 13 00-0078	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base .....	4,020.23	587.51
		<i>For Galvanized Finish, Add</i> .....	85.36	
		<i>For &gt;10 To 20, Deduct</i> .....	-100.51	
		<i>For &gt;20 To 40, Deduct</i> .....	-201.01	
		<i>For &gt;40, Deduct</i> .....	-330.89	
26 56 13 00-0079	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base .....	4,207.22	587.51
		<i>For Galvanized Finish, Add</i> .....	90.97	
		<i>For &gt;10 To 20, Deduct</i> .....	-105.18	
		<i>For &gt;20 To 40, Deduct</i> .....	-210.36	
		<i>For &gt;40, Deduct</i> .....	-344.92	
26 56 13 00-0080		<b>Round Tapered, Steel Roadway Light Poles With Two Truss Style Arms</b> <small>(26 56 13 00-0080)</small>		
26 56 13 00-0081	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base .....	4,891.08	618.43
		<i>For Galvanized Finish, Add</i> .....	109.63	
		<i>For &gt;10 To 20, Deduct</i> .....	-122.28	
		<i>For &gt;20 To 40, Deduct</i> .....	-244.55	
		<i>For &gt;40, Deduct</i> .....	-397.75	
26 56 13 00-0082	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base .....	4,985.27	649.35
		<i>For Galvanized Finish, Add</i> .....	110.60	
		<i>For &gt;10 To 20, Deduct</i> .....	-124.63	
		<i>For &gt;20 To 40, Deduct</i> .....	-249.26	
		<i>For &gt;40, Deduct</i> .....	-406.36	
26 56 13 00-0083	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base .....	5,174.03	680.28
		<i>For Galvanized Finish, Add</i> .....	114.40	
		<i>For &gt;10 To 20, Deduct</i> .....	-129.35	
		<i>For &gt;20 To 40, Deduct</i> .....	-258.70	
		<i>For &gt;40, Deduct</i> .....	-422.07	
26 56 13 00-0084	EA	30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base .....	4,996.03	680.28
		<i>For Galvanized Finish, Add</i> .....	109.06	
		<i>For &gt;10 To 20, Deduct</i> .....	-124.90	
		<i>For &gt;20 To 40, Deduct</i> .....	-249.80	
		<i>For &gt;40, Deduct</i> .....	-408.72	
26 56 13 00-0085	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base .....	5,224.92	711.19
		<i>For Galvanized Finish, Add</i> .....	114.08	
		<i>For &gt;10 To 20, Deduct</i> .....	-130.62	
		<i>For &gt;20 To 40, Deduct</i> .....	-261.25	
		<i>For &gt;40, Deduct</i> .....	-427.43	
26 56 13 00-0086	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base .....	5,368.96	742.12
		<i>For Galvanized Finish, Add</i> .....	116.54	
		<i>For &gt;10 To 20, Deduct</i> .....	-134.22	
		<i>For &gt;20 To 40, Deduct</i> .....	-268.45	
		<i>For &gt;40, Deduct</i> .....	-439.78	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 13 00-0087	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	5,151.18	711.19	
		For Galvanized Finish, Add	111.86		
		For >10 To 20, Deduct	-128.78		
		For >20 To 40, Deduct	-257.56		
		For >40, Deduct	-421.90		
26 56 13 00-0088	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	5,451.31	742.12	
		For Galvanized Finish, Add	119.01		
		For >10 To 20, Deduct	-136.28		
		For >20 To 40, Deduct	-272.57		
		For >40, Deduct	-445.95		
26 56 13 00-0089	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	5,635.56	773.04	
		For Galvanized Finish, Add	122.68		
		For >10 To 20, Deduct	-140.89		
		For >20 To 40, Deduct	-281.78		
		For >40, Deduct	-461.32		
<b>26 56 13 00-0090</b>		<b>Aluminum Roadway Light Poles</b> <small>(26 56 13 00-0092)</small>			
		Note: Includes satin finish, anchor bolts, cast aluminum base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).			
26 56 13 00-0091		Round Tapered, Aluminum Roadway Light Poles <small>(26 56 13 00-0090)</small>			
26 56 13 00-0092		Round Tapered, Aluminum Roadway Light Poles With Upsweep Style Arms <small>(26 56 13 00-0091)</small>			
26 56 13 00-0093		Round Tapered, Aluminum Roadway Light Poles With Single Upsweep Style Arm <small>(26 56 13 00-0092)</small>			
26 56 13 00-0094	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	2,421.68	371.06	
		For >10 To 20, Deduct	-60.54		
		For >20 To 40, Deduct	-121.08		
		For >40, Deduct	-200.18		
26 56 13 00-0095	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	2,442.01	371.06	
		For >10 To 20, Deduct	-61.05		
		For >20 To 40, Deduct	-122.10		
		For >40, Deduct	-201.70		
26 56 13 00-0096	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	2,975.95	494.74	
		For >10 To 20, Deduct	-74.40		
		For >20 To 40, Deduct	-148.80		
		For >40, Deduct	-247.93		
26 56 13 00-0097	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	3,014.36	494.74	
		For >10 To 20, Deduct	-75.36		
		For >20 To 40, Deduct	-150.72		
		For >40, Deduct	-250.81		
26 56 13 00-0098	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	3,049.69	494.74	
		For >10 To 20, Deduct	-76.24		
		For >20 To 40, Deduct	-152.48		
		For >40, Deduct	-253.46		
26 56 13 00-0099	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	3,413.95	556.59	
		For >10 To 20, Deduct	-85.35		
		For >20 To 40, Deduct	-170.70		
		For >40, Deduct	-283.88		
26 56 13 00-0100	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	3,446.36	556.59	
		For >10 To 20, Deduct	-86.16		
		For >20 To 40, Deduct	-172.32		
		For >40, Deduct	-286.31		
26 56 13 00-0101	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	3,482.61	556.59	
		For >10 To 20, Deduct	-87.07		
		For >20 To 40, Deduct	-174.13		
		For >40, Deduct	-289.03		
26 56 13 00-0102	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	3,988.59	587.51	
		For >10 To 20, Deduct	-99.71		
		For >20 To 40, Deduct	-199.43		
		For >40, Deduct	-328.52		
26 56 13 00-0103	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	4,020.92	587.51	
		For >10 To 20, Deduct	-100.52		
		For >20 To 40, Deduct	-201.05		
		For >40, Deduct	-330.94		
26 56 13 00-0104	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	4,048.00	587.51	
		For >10 To 20, Deduct	-101.20		
		For >20 To 40, Deduct	-202.40		
		For >40, Deduct	-332.98		
<b>26 56 13 00-0105</b>		<b>Round Tapered, Aluminum Roadway Light Poles With Two Upsweep Style Arms</b> <small>(26 56 13 00-0092)</small>			

**26 Electrical****26 50 Lighting****26 56 Exterior Lighting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 56 13 00-0106	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	2,776.18	432.90
		<i>For &gt;10 To 20, Deduct</i>	-69.40	
		<i>For &gt;20 To 40, Deduct</i>	-138.81	
		<i>For &gt;40, Deduct</i>	-229.86	
26 56 13 00-0107	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	2,975.42	432.90
		<i>For &gt;10 To 20, Deduct</i>	-74.39	
		<i>For &gt;20 To 40, Deduct</i>	-148.77	
		<i>For &gt;40, Deduct</i>	-244.80	
26 56 13 00-0108	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,076.09	463.83
		<i>For &gt;10 To 20, Deduct</i>	-76.90	
		<i>For &gt;20 To 40, Deduct</i>	-153.80	
		<i>For &gt;40, Deduct</i>	-253.90	
26 56 13 00-0109	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,319.54	556.59
		<i>For &gt;10 To 20, Deduct</i>	-82.99	
		<i>For &gt;20 To 40, Deduct</i>	-165.98	
		<i>For &gt;40, Deduct</i>	-276.80	
26 56 13 00-0110	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,477.27	572.05
		<i>For &gt;10 To 20, Deduct</i>	-86.93	
		<i>For &gt;20 To 40, Deduct</i>	-173.86	
		<i>For &gt;40, Deduct</i>	-289.40	
26 56 13 00-0111	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,703.61	587.51
		<i>For &gt;10 To 20, Deduct</i>	-92.59	
		<i>For &gt;20 To 40, Deduct</i>	-185.18	
		<i>For &gt;40, Deduct</i>	-307.15	
26 56 13 00-0112	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,827.36	618.43
		<i>For &gt;10 To 20, Deduct</i>	-95.68	
		<i>For &gt;20 To 40, Deduct</i>	-191.37	
		<i>For &gt;40, Deduct</i>	-317.97	
26 56 13 00-0113	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,975.94	633.90
		<i>For &gt;10 To 20, Deduct</i>	-99.40	
		<i>For &gt;20 To 40, Deduct</i>	-198.80	
		<i>For &gt;40, Deduct</i>	-329.89	
26 56 13 00-0114	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,156.69	649.35
		<i>For &gt;10 To 20, Deduct</i>	-103.92	
		<i>For &gt;20 To 40, Deduct</i>	-207.83	
		<i>For &gt;40, Deduct</i>	-344.22	
26 56 13 00-0115	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,332.93	649.35
		<i>For &gt;10 To 20, Deduct</i>	-108.32	
		<i>For &gt;20 To 40, Deduct</i>	-216.65	
		<i>For &gt;40, Deduct</i>	-357.44	
26 56 13 00-0116	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,730.66	664.81
		<i>For &gt;10 To 20, Deduct</i>	-118.27	
		<i>For &gt;20 To 40, Deduct</i>	-236.53	
		<i>For &gt;40, Deduct</i>	-388.04	
26 56 13 00-0117	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	5,192.79	680.28
		<i>For &gt;10 To 20, Deduct</i>	-129.82	
		<i>For &gt;20 To 40, Deduct</i>	-259.64	
		<i>For &gt;40, Deduct</i>	-423.47	

**26 56 13 00-0118 Round Tapered, Aluminum Roadway Light Poles With Three Upsweep Style Arms**

(26 56 13 00-0092)

26 56 13 00-0119	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	3,220.60	494.74
		<i>For &gt;10 To 20, Deduct</i>	-80.52	
		<i>For &gt;20 To 40, Deduct</i>	-161.03	
		<i>For &gt;40, Deduct</i>	-266.28	
26 56 13 00-0120	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	3,443.59	525.67
		<i>For &gt;10 To 20, Deduct</i>	-86.09	
		<i>For &gt;20 To 40, Deduct</i>	-172.18	
		<i>For &gt;40, Deduct</i>	-284.55	
26 56 13 00-0121	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	3,919.10	618.43
		<i>For &gt;10 To 20, Deduct</i>	-97.98	
		<i>For &gt;20 To 40, Deduct</i>	-195.96	
		<i>For &gt;40, Deduct</i>	-324.85	
26 56 13 00-0122	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,087.53	649.35
		<i>For &gt;10 To 20, Deduct</i>	-102.19	
		<i>For &gt;20 To 40, Deduct</i>	-204.38	
		<i>For &gt;40, Deduct</i>	-339.03	
26 56 13 00-0123	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,280.77	680.28
		<i>For &gt;10 To 20, Deduct</i>	-107.02	
		<i>For &gt;20 To 40, Deduct</i>	-214.04	
		<i>For &gt;40, Deduct</i>	-355.07	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 13 00-0124	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	4,434.36	711.19
			For >10 To 20, Deduct	-110.86	
			For >20 To 40, Deduct	-221.72	
			For >40, Deduct	-368.14	
26 56 13 00-0125	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	4,625.19	711.19
			For >10 To 20, Deduct	-115.63	
			For >20 To 40, Deduct	-231.26	
			For >40, Deduct	-382.45	
26 56 13 00-0126	EA		35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	5,025.67	742.12
			For >10 To 20, Deduct	-125.64	
			For >20 To 40, Deduct	-251.28	
			For >40, Deduct	-414.03	
26 56 13 00-0127	EA		35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base.....	9,384.16	773.04
			For >10 To 20, Deduct	-234.60	
			For >20 To 40, Deduct	-469.21	
			For >40, Deduct	-742.46	

**26 56 13 00-0128 Round Tapered, Aluminum Roadway Light Poles With Four Upsweep Style Arms**

26 56 13 00-0129	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	3,343.79	556.59
			For >10 To 20, Deduct	-83.59	
			For >20 To 40, Deduct	-167.19	
			For >40, Deduct	-278.61	
26 56 13 00-0130	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	3,465.78	556.59
			For >10 To 20, Deduct	-86.64	
			For >20 To 40, Deduct	-173.29	
			For >40, Deduct	-287.76	
26 56 13 00-0131	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	4,288.35	680.28
			For >10 To 20, Deduct	-107.21	
			For >20 To 40, Deduct	-214.42	
			For >40, Deduct	-355.64	
26 56 13 00-0132	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	4,641.19	726.66
			For >10 To 20, Deduct	-116.03	
			For >20 To 40, Deduct	-232.06	
			For >40, Deduct	-384.42	
26 56 13 00-0133	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	4,838.27	742.12
			For >10 To 20, Deduct	-120.96	
			For >20 To 40, Deduct	-241.91	
			For >40, Deduct	-399.98	
26 56 13 00-0134	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	5,164.10	788.50
			For >10 To 20, Deduct	-129.10	
			For >20 To 40, Deduct	-258.21	
			For >40, Deduct	-426.73	
26 56 13 00-0135	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	5,093.52	773.04
			For >10 To 20, Deduct	-127.34	
			For >20 To 40, Deduct	-254.68	
			For >40, Deduct	-420.67	
26 56 13 00-0136	EA		35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	5,783.49	819.42
			For >10 To 20, Deduct	-144.59	
			For >20 To 40, Deduct	-289.17	
			For >40, Deduct	-474.73	
26 56 13 00-0137	EA		35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base.....	6,394.39	865.80
			For >10 To 20, Deduct	-159.86	
			For >20 To 40, Deduct	-319.72	
			For >40, Deduct	-522.87	

**26 56 13 00-0138 Round Tapered, Aluminum Roadway Light Poles With Truss Style Arms**
**26 56 13 00-0139 Round Tapered, Aluminum Roadway Light Poles With Single Truss Style Arm**

26 56 13 00-0140	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base.....	3,540.41	494.74
			For >10 To 20, Deduct	-88.51	
			For >20 To 40, Deduct	-177.02	
			For >40, Deduct	-290.27	
26 56 13 00-0141	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	3,567.57	494.74
			For >10 To 20, Deduct	-89.19	
			For >20 To 40, Deduct	-178.38	
			For >40, Deduct	-292.31	

**26 Electrical**

**26 50 Lighting**

**26 56 Exterior Lighting**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 56 13 00-0142	EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	3,636.99	494.74
	For >10 To 20, Deduct	-90.92	
	For >20 To 40, Deduct	-181.85	
	For >40, Deduct	-297.51	
26 56 13 00-0143	EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	3,741.15	494.74
	For >10 To 20, Deduct	-93.53	
	For >20 To 40, Deduct	-187.06	
	For >40, Deduct	-305.32	
26 56 13 00-0144	EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base.....	3,986.16	556.59
	For >10 To 20, Deduct	-99.65	
	For >20 To 40, Deduct	-199.31	
	For >40, Deduct	-326.79	
26 56 13 00-0145	EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	4,047.41	556.59
	For >10 To 20, Deduct	-101.19	
	For >20 To 40, Deduct	-202.37	
	For >40, Deduct	-331.39	
26 56 13 00-0146	EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	4,112.74	556.59
	For >10 To 20, Deduct	-102.82	
	For >20 To 40, Deduct	-205.64	
	For >40, Deduct	-336.29	
26 56 13 00-0147	EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	4,506.80	556.59
	For >10 To 20, Deduct	-112.67	
	For >20 To 40, Deduct	-225.34	
	For >40, Deduct	-365.84	
26 56 13 00-0148	EA 35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base.....	4,328.23	587.51
	For >10 To 20, Deduct	-108.21	
	For >20 To 40, Deduct	-216.41	
	For >40, Deduct	-353.99	
26 56 13 00-0149	EA 35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	4,833.87	587.51
	For >10 To 20, Deduct	-120.85	
	For >20 To 40, Deduct	-241.69	
	For >40, Deduct	-391.92	
26 56 13 00-0150	EA 35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	4,883.12	587.51
	For >10 To 20, Deduct	-122.08	
	For >20 To 40, Deduct	-244.16	
	For >40, Deduct	-395.61	
26 56 13 00-0151	EA 35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	5,195.76	587.51
	For >10 To 20, Deduct	-129.89	
	For >20 To 40, Deduct	-259.79	
	For >40, Deduct	-419.06	
26 56 13 00-0152	EA 35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	5,480.91	587.51
	For >10 To 20, Deduct	-137.02	
	For >20 To 40, Deduct	-274.05	
	For >40, Deduct	-440.44	
<b>26 56 13 00-0153 Round Tapered, Aluminum Roadway Light Poles With Two Truss Style Arms (26 56 13 00-0138)</b>			
26 56 13 00-0154	EA 25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	4,590.90	618.43
	For >10 To 20, Deduct	-114.77	
	For >20 To 40, Deduct	-229.55	
	For >40, Deduct	-375.24	
26 56 13 00-0155	EA 25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	4,722.16	649.35
	For >10 To 20, Deduct	-118.05	
	For >20 To 40, Deduct	-236.11	
	For >40, Deduct	-386.63	
26 56 13 00-0156	EA 25' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	4,828.65	680.28
	For >10 To 20, Deduct	-120.72	
	For >20 To 40, Deduct	-241.43	
	For >40, Deduct	-396.16	
26 56 13 00-0157	EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	4,947.64	680.28
	For >10 To 20, Deduct	-123.69	
	For >20 To 40, Deduct	-247.38	
	For >40, Deduct	-405.09	
26 56 13 00-0158	EA 30' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	5,371.30	711.19
	For >10 To 20, Deduct	-134.28	
	For >20 To 40, Deduct	-268.57	
	For >40, Deduct	-438.41	
26 56 13 00-0159	EA 30' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	6,147.01	742.12
	For >10 To 20, Deduct	-153.68	
	For >20 To 40, Deduct	-307.35	
	For >40, Deduct	-498.13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 13 00-0160	EA		35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	5,943.85	711.19
			<i>For &gt;10 To 20, Deduct</i>	-148.60	
			<i>For &gt;20 To 40, Deduct</i>	-297.19	
			<i>For &gt;40, Deduct</i>	-481.35	
26 56 13 00-0161	EA		35' High, 10" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	6,063.85	742.12
			<i>For &gt;10 To 20, Deduct</i>	-151.60	
			<i>For &gt;20 To 40, Deduct</i>	-303.19	
			<i>For &gt;40, Deduct</i>	-491.89	
26 56 13 00-0162	EA		35' High, 10" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	7,346.46	773.04
			<i>For &gt;10 To 20, Deduct</i>	-183.66	
			<i>For &gt;20 To 40, Deduct</i>	-367.32	
			<i>For &gt;40, Deduct</i>	-589.64	
<b>26 56 13 00-0163</b>			<b>Round Tapered, Aluminum Roadway Light Poles With Davit Style Arm</b> <small>(26 56 13 00-0091)</small>		
<b>26 56 13 00-0164</b>			<b>Round Tapered, Aluminum Roadway Light Poles With Single Davit Style Arm</b> <small>(26 56 13 00-0163)</small>		
26 56 13 00-0165	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base.....	2,896.48	371.06
			<i>For &gt;10 To 20, Deduct</i>	-72.41	
			<i>For &gt;20 To 40, Deduct</i>	-144.82	
			<i>For &gt;40, Deduct</i>	-235.79	
26 56 13 00-0166	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base.....	2,973.23	371.06
			<i>For &gt;10 To 20, Deduct</i>	-74.33	
			<i>For &gt;20 To 40, Deduct</i>	-148.66	
			<i>For &gt;40, Deduct</i>	-241.55	
26 56 13 00-0167	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base.....	3,050.14	371.06
			<i>For &gt;10 To 20, Deduct</i>	-76.25	
			<i>For &gt;20 To 40, Deduct</i>	-152.51	
			<i>For &gt;40, Deduct</i>	-247.31	
26 56 13 00-0168	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base.....	3,457.67	494.74
			<i>For &gt;10 To 20, Deduct</i>	-86.44	
			<i>For &gt;20 To 40, Deduct</i>	-172.88	
			<i>For &gt;40, Deduct</i>	-284.06	
26 56 13 00-0169	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base.....	3,516.16	494.74
			<i>For &gt;10 To 20, Deduct</i>	-87.90	
			<i>For &gt;20 To 40, Deduct</i>	-175.81	
			<i>For &gt;40, Deduct</i>	-288.45	
26 56 13 00-0170	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base.....	3,580.07	494.74
			<i>For &gt;10 To 20, Deduct</i>	-89.50	
			<i>For &gt;20 To 40, Deduct</i>	-179.00	
			<i>For &gt;40, Deduct</i>	-293.24	
26 56 13 00-0171	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base.....	3,902.00	556.59
			<i>For &gt;10 To 20, Deduct</i>	-97.55	
			<i>For &gt;20 To 40, Deduct</i>	-195.10	
			<i>For &gt;40, Deduct</i>	-320.48	
26 56 13 00-0172	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base.....	3,981.41	556.59
			<i>For &gt;10 To 20, Deduct</i>	-99.54	
			<i>For &gt;20 To 40, Deduct</i>	-199.07	
			<i>For &gt;40, Deduct</i>	-326.44	
26 56 13 00-0173	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base.....	3,993.33	556.59
			<i>For &gt;10 To 20, Deduct</i>	-99.83	
			<i>For &gt;20 To 40, Deduct</i>	-199.67	
			<i>For &gt;40, Deduct</i>	-327.33	
26 56 13 00-0174	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base.....	4,246.41	587.51
			<i>For &gt;10 To 20, Deduct</i>	-106.16	
			<i>For &gt;20 To 40, Deduct</i>	-212.32	
			<i>For &gt;40, Deduct</i>	-347.86	
26 56 13 00-0175	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base.....	4,281.24	587.51
			<i>For &gt;10 To 20, Deduct</i>	-107.03	
			<i>For &gt;20 To 40, Deduct</i>	-214.06	
			<i>For &gt;40, Deduct</i>	-350.47	
26 56 13 00-0176	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base.....	4,362.90	587.51
			<i>For &gt;10 To 20, Deduct</i>	-109.07	
			<i>For &gt;20 To 40, Deduct</i>	-218.15	
			<i>For &gt;40, Deduct</i>	-356.59	

**26 56 13 00-0177** Area Light Poles (26 56 13 00-0001)  
Note: Excludes lighting fixtures.

**26 56 13 00-0178** Steel Area Light Poles (26 56 13 00-0177)  
Note: Includes powdercoat finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.

**26 Electrical**

**26 50 Lighting**

**26 56 Exterior Lighting**



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0179			Round Straight, Steel Area Light Poles <small>(26 56 13 00-0178)</small>		
26 56 13 00-0180			Round Straight, Steel Area Light Poles, Anchor Base <small>(26 56 13 00-0179)</small>		
26 56 13 00-0181	EA		10' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,134.22	216.45
			For Galvanized Finish, Add	21.04	
			For >10 To 20, Deduct	-38.88	
			For >20 To 40, Deduct	-70.74	
			For >40, Deduct	-148.49	
26 56 13 00-0182	EA		12' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,234.91	247.38
			For Galvanized Finish, Add	22.21	
			For >10 To 20, Deduct	-41.98	
			For >20 To 40, Deduct	-76.55	
			For >40, Deduct	-160.50	
26 56 13 00-0183	EA		14' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,380.30	278.29
			For Galvanized Finish, Add	24.71	
			For >10 To 20, Deduct	-46.86	
			For >20 To 40, Deduct	-85.49	
			For >40, Deduct	-179.22	
26 56 13 00-0184	EA		16' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,529.56	309.21
			For Galvanized Finish, Add	27.33	
			For >10 To 20, Deduct	-51.91	
			For >20 To 40, Deduct	-94.70	
			For >40, Deduct	-198.51	
26 56 13 00-0185	EA		18' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,630.27	340.14
			For Galvanized Finish, Add	28.50	
			For >10 To 20, Deduct	-55.01	
			For >20 To 40, Deduct	-100.51	
			For >40, Deduct	-210.53	
26 56 13 00-0186	EA		20' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,721.25	371.06
			For Galvanized Finish, Add	29.37	
			For >10 To 20, Deduct	-57.72	
			For >20 To 40, Deduct	-105.65	
			For >40, Deduct	-221.08	
26 56 13 00-0187	EA		10' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,184.73	216.45
			For Galvanized Finish, Add	22.55	
			For >10 To 20, Deduct	-40.90	
			For >20 To 40, Deduct	-74.27	
			For >40, Deduct	-156.06	
26 56 13 00-0188	EA		12' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,287.37	247.38
			For Galvanized Finish, Add	23.78	
			For >10 To 20, Deduct	-44.07	
			For >20 To 40, Deduct	-80.22	
			For >40, Deduct	-168.37	
26 56 13 00-0189	EA		14' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,485.21	278.29
			For Galvanized Finish, Add	27.86	
			For >10 To 20, Deduct	-51.06	
			For >20 To 40, Deduct	-92.83	
			For >40, Deduct	-194.95	
26 56 13 00-0190	EA		16' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,597.56	309.21
			For Galvanized Finish, Add	29.37	
			For >10 To 20, Deduct	-54.63	
			For >20 To 40, Deduct	-99.46	
			For >40, Deduct	-208.71	
26 56 13 00-0191	EA		18' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,704.09	340.14
			For Galvanized Finish, Add	30.71	
			For >10 To 20, Deduct	-57.96	
			For >20 To 40, Deduct	-105.68	
			For >40, Deduct	-221.60	
26 56 13 00-0192	EA		20' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,791.18	371.06
			For Galvanized Finish, Add	31.47	
			For >10 To 20, Deduct	-60.52	
			For >20 To 40, Deduct	-110.54	
			For >40, Deduct	-231.57	
26 56 13 00-0193	EA		25' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,110.43	494.74
			For Galvanized Finish, Add	33.63	
			For >10 To 20, Deduct	-69.57	
			For >20 To 40, Deduct	-127.94	
			For >40, Deduct	-267.09	
26 56 13 00-0194	EA		10' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,184.73	216.45
			For Galvanized Finish, Add	22.55	
			For >10 To 20, Deduct	-40.90	
			For >20 To 40, Deduct	-74.27	
			For >40, Deduct	-156.06	
26 56 13 00-0195	EA		12' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,293.19	247.38
			For Galvanized Finish, Add	23.95	
			For >10 To 20, Deduct	-44.31	
			For >20 To 40, Deduct	-80.63	
			For >40, Deduct	-169.24	
26 56 13 00-0196	EA		14' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,516.29	278.29
			For Galvanized Finish, Add	28.79	
			For >10 To 20, Deduct	-52.30	
			For >20 To 40, Deduct	-95.01	
			For >40, Deduct	-199.61	
26 56 13 00-0197	EA		16' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,603.38	309.21
			For Galvanized Finish, Add	29.55	
			For >10 To 20, Deduct	-54.86	
			For >20 To 40, Deduct	-99.87	
			For >40, Deduct	-209.59	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0198	EA		18' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,704.09	340.14
			<i>For Galvanized Finish, Add</i>	30.71	
			<i>For &gt;10 To 20, Deduct</i>	-57.96	
			<i>For &gt;20 To 40, Deduct</i>	-105.68	
			<i>For &gt;40, Deduct</i>	-221.60	
26 56 13 00-0199	EA		20' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,791.18	371.06
			<i>For Galvanized Finish, Add</i>	31.47	
			<i>For &gt;10 To 20, Deduct</i>	-60.52	
			<i>For &gt;20 To 40, Deduct</i>	-110.54	
			<i>For &gt;40, Deduct</i>	-231.57	
26 56 13 00-0200	EA		25' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,164.83	494.74
			<i>For Galvanized Finish, Add</i>	35.26	
			<i>For &gt;10 To 20, Deduct</i>	-71.75	
			<i>For &gt;20 To 40, Deduct</i>	-131.75	
			<i>For &gt;40, Deduct</i>	-275.25	
26 56 13 00-0201	EA		30' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,389.54	556.59
			<i>For Galvanized Finish, Add</i>	38.29	
			<i>For &gt;10 To 20, Deduct</i>	-78.88	
			<i>For &gt;20 To 40, Deduct</i>	-145.00	
			<i>For &gt;40, Deduct</i>	-302.77	
26 56 13 00-0202	EA		20' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,915.52	371.06
			<i>For Galvanized Finish, Add</i>	35.20	
			<i>For &gt;10 To 20, Deduct</i>	-65.49	
			<i>For &gt;20 To 40, Deduct</i>	-119.24	
			<i>For &gt;40, Deduct</i>	-250.22	
26 56 13 00-0203	EA		25' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,190.08	494.74
			<i>For Galvanized Finish, Add</i>	36.02	
			<i>For &gt;10 To 20, Deduct</i>	-72.76	
			<i>For &gt;20 To 40, Deduct</i>	-133.52	
			<i>For &gt;40, Deduct</i>	-279.04	
26 56 13 00-0204	EA		30' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,438.11	556.59
			<i>For Galvanized Finish, Add</i>	39.75	
			<i>For &gt;10 To 20, Deduct</i>	-80.83	
			<i>For &gt;20 To 40, Deduct</i>	-148.40	
			<i>For &gt;40, Deduct</i>	-310.06	
<b>26 56 13 00-0205</b>			<b>Round Tapered, Steel Area Light Poles</b> <small>(26 56 13 00-0178)</small>		
<b>26 56 13 00-0206</b>			<b>Round Tapered, Steel Area Light Poles, Anchor Base</b> <small>(26 56 13 00-0205)</small>		
26 56 13 00-0207	EA		20' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,354.57	371.06
			<i>For Galvanized Finish, Add</i>	48.37	
			<i>For &gt;10 To 20, Deduct</i>	-83.05	
			<i>For &gt;20 To 40, Deduct</i>	-149.98	
			<i>For &gt;40, Deduct</i>	-316.08	
26 56 13 00-0208	EA		20' High, 6.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,414.79	371.06
			<i>For Galvanized Finish, Add</i>	50.18	
			<i>For &gt;10 To 20, Deduct</i>	-85.46	
			<i>For &gt;20 To 40, Deduct</i>	-154.19	
			<i>For &gt;40, Deduct</i>	-325.11	
26 56 13 00-0209	EA		25' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,794.27	494.74
			<i>For Galvanized Finish, Add</i>	54.14	
			<i>For &gt;10 To 20, Deduct</i>	-96.93	
			<i>For &gt;20 To 40, Deduct</i>	-175.81	
			<i>For &gt;40, Deduct</i>	-369.67	
26 56 13 00-0210	EA		25' High, 7.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,918.60	494.74
			<i>For Galvanized Finish, Add</i>	57.87	
			<i>For &gt;10 To 20, Deduct</i>	-101.90	
			<i>For &gt;20 To 40, Deduct</i>	-184.51	
			<i>For &gt;40, Deduct</i>	-388.32	
26 56 13 00-0211	EA		30' High, 6.60" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,112.23	556.59
			<i>For Galvanized Finish, Add</i>	59.97	
			<i>For &gt;10 To 20, Deduct</i>	-107.79	
			<i>For &gt;20 To 40, Deduct</i>	-195.59	
			<i>For &gt;40, Deduct</i>	-411.18	
26 56 13 00-0212	EA		30' High, 8.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,320.10	556.59
			<i>For Galvanized Finish, Add</i>	66.21	
			<i>For &gt;10 To 20, Deduct</i>	-116.11	
			<i>For &gt;20 To 40, Deduct</i>	-210.14	
			<i>For &gt;40, Deduct</i>	-442.36	
26 56 13 00-0213	EA		35' High, 7.30" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,424.68	587.51
			<i>For Galvanized Finish, Add</i>	67.49	
			<i>For &gt;10 To 20, Deduct</i>	-119.36	
			<i>For &gt;20 To 40, Deduct</i>	-216.23	
			<i>For &gt;40, Deduct</i>	-454.95	
26 56 13 00-0214	EA		35' High, 8.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,552.90	587.51
			<i>For Galvanized Finish, Add</i>	71.34	
			<i>For &gt;10 To 20, Deduct</i>	-124.49	
			<i>For &gt;20 To 40, Deduct</i>	-225.20	
			<i>For &gt;40, Deduct</i>	-474.18	
26 56 13 00-0215	EA		35' High, 9.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,859.85	587.51
			<i>For Galvanized Finish, Add</i>	80.54	
			<i>For &gt;10 To 20, Deduct</i>	-136.77	
			<i>For &gt;20 To 40, Deduct</i>	-246.69	
			<i>For &gt;40, Deduct</i>	-520.23	
26 56 13 00-0216	EA		39' High, 7.82" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,898.37	618.43
			<i>For Galvanized Finish, Add</i>	79.85	
			<i>For &gt;10 To 20, Deduct</i>	-137.38	
			<i>For &gt;20 To 40, Deduct</i>	-248.15	
			<i>For &gt;40, Deduct</i>	-522.91	

**26 Electrical****26 50 Lighting****26 56 Exterior Lighting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 56 13 00-0217	EA	39' High, 9.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	3,952.77	618.43
		<i>For Galvanized Finish, Add</i>	81.48	
		<i>For &gt;10 To 20, Deduct</i>	-139.56	
		<i>For &gt;20 To 40, Deduct</i>	-251.96	
		<i>For &gt;40, Deduct</i>	-531.07	
26 56 13 00-0218	EA	45' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	5,370.95	803.97
		<i>For Galvanized Finish, Add</i>	112.89	
		<i>For &gt;10 To 20, Deduct</i>	-190.72	
		<i>For &gt;20 To 40, Deduct</i>	-343.81	
		<i>For &gt;40, Deduct</i>	-725.25	
26 56 13 00-0219	EA	50' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	5,606.67	927.64
		<i>For Galvanized Finish, Add</i>	112.54	
		<i>For &gt;10 To 20, Deduct</i>	-196.44	
		<i>For &gt;20 To 40, Deduct</i>	-355.36	
		<i>For &gt;40, Deduct</i>	-748.24	
26 56 13 00-0220	EA	25' High, 7.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	3,761.74	494.74
		<i>For Galvanized Finish, Add</i>	83.17	
		<i>For &gt;10 To 20, Deduct</i>	-135.63	
		<i>For &gt;20 To 40, Deduct</i>	-243.53	
		<i>For &gt;40, Deduct</i>	-514.79	
26 56 13 00-0221	EA	30' High, 8.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	4,270.08	556.59
		<i>For Galvanized Finish, Add</i>	94.71	
		<i>For &gt;10 To 20, Deduct</i>	-154.11	
		<i>For &gt;20 To 40, Deduct</i>	-276.64	
		<i>For &gt;40, Deduct</i>	-584.85	
26 56 13 00-0222	EA	39' High, 9.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	4,945.49	618.43
		<i>For Galvanized Finish, Add</i>	111.26	
		<i>For &gt;10 To 20, Deduct</i>	-179.27	
		<i>For &gt;20 To 40, Deduct</i>	-321.45	
		<i>For &gt;40, Deduct</i>	-679.98	
26 56 13 00-0223	EA	45' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	5,977.07	803.97
		<i>For Galvanized Finish, Add</i>	131.07	
		<i>For &gt;10 To 20, Deduct</i>	-214.96	
		<i>For &gt;20 To 40, Deduct</i>	-386.24	
		<i>For &gt;40, Deduct</i>	-816.16	
26 56 13 00-0224	EA	50' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	6,974.34	927.64
		<i>For Galvanized Finish, Add</i>	153.57	
		<i>For &gt;10 To 20, Deduct</i>	-251.14	
		<i>For &gt;20 To 40, Deduct</i>	-451.10	
		<i>For &gt;40, Deduct</i>	-953.39	
26 56 13 00-0225	EA	50' High, 11.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	7,765.02	927.64
		<i>For Galvanized Finish, Add</i>	177.29	
		<i>For &gt;10 To 20, Deduct</i>	-282.77	
		<i>For &gt;20 To 40, Deduct</i>	-506.45	
		<i>For &gt;40, Deduct</i>	-1,071.99	
26 56 13 00-0226	EA	50' High, 13.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	10,407.11	927.64
		<i>For Galvanized Finish, Add</i>	256.55	
		<i>For &gt;10 To 20, Deduct</i>	-388.45	
		<i>For &gt;20 To 40, Deduct</i>	-691.39	
		<i>For &gt;40, Deduct</i>	-1,468.30	
26 56 13 00-0227	EA	50' High, 13.00" Base OD, 3 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	11,689.30	927.64
		<i>For Galvanized Finish, Add</i>	295.02	
		<i>For &gt;10 To 20, Deduct</i>	-439.74	
		<i>For &gt;20 To 40, Deduct</i>	-781.15	
		<i>For &gt;40, Deduct</i>	-1,660.63	

26 56 13 00-0228 Square Straight, Steel Area Light Poles (26 56 13 00-0178)

26 56 13 00-0229 Square Straight, Steel Area Light Poles, Anchor Base (26 56 13 00-0228)

26 56 13 00-0230	EA	10' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,118.68	216.45
		<i>For Galvanized Finish, Add</i>	20.57	
		<i>For &gt;10 To 20, Deduct</i>	-38.25	
		<i>For &gt;20 To 40, Deduct</i>	-69.65	
		<i>For &gt;40, Deduct</i>	-146.16	
26 56 13 00-0231	EA	12' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,180.52	247.38
		<i>For Galvanized Finish, Add</i>	20.57	
		<i>For &gt;10 To 20, Deduct</i>	-39.80	
		<i>For &gt;20 To 40, Deduct</i>	-72.74	
		<i>For &gt;40, Deduct</i>	-152.34	
26 56 13 00-0232	EA	14' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,275.39	278.29
		<i>For Galvanized Finish, Add</i>	21.56	
		<i>For &gt;10 To 20, Deduct</i>	-42.67	
		<i>For &gt;20 To 40, Deduct</i>	-78.15	
		<i>For &gt;40, Deduct</i>	-163.48	
26 56 13 00-0233	EA	15' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,352.94	293.76
		<i>For Galvanized Finish, Add</i>	22.96	
		<i>For &gt;10 To 20, Deduct</i>	-45.30	
		<i>For &gt;20 To 40, Deduct</i>	-82.96	
		<i>For &gt;40, Deduct</i>	-173.57	
26 56 13 00-0234	EA	16' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,383.86	309.21
		<i>For Galvanized Finish, Add</i>	22.96	
		<i>For &gt;10 To 20, Deduct</i>	-46.08	
		<i>For &gt;20 To 40, Deduct</i>	-84.50	
		<i>For &gt;40, Deduct</i>	-176.66	
26 56 13 00-0235	EA	18' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,467.08	340.14
		<i>For Galvanized Finish, Add</i>	23.60	
		<i>For &gt;10 To 20, Deduct</i>	-48.48	
		<i>For &gt;20 To 40, Deduct</i>	-89.09	
		<i>For &gt;40, Deduct</i>	-186.05	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0236	EA		20' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,546.40	371.06
			<i>For Galvanized Finish, Add</i>	24.13	
			<i>For &gt;10 To 20, Deduct</i>	-50.72	
			<i>For &gt;20 To 40, Deduct</i>	-93.41	
			<i>For &gt;40, Deduct</i>	-194.85	
26 56 13 00-0237	EA		25' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,910.33	494.74
			<i>For Galvanized Finish, Add</i>	27.63	
			<i>For &gt;10 To 20, Deduct</i>	-61.57	
			<i>For &gt;20 To 40, Deduct</i>	-113.93	
			<i>For &gt;40, Deduct</i>	-237.08	
26 56 13 00-0238	EA		20' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,808.67	371.06
			<i>For Galvanized Finish, Add</i>	32.00	
			<i>For &gt;10 To 20, Deduct</i>	-61.22	
			<i>For &gt;20 To 40, Deduct</i>	-111.76	
			<i>For &gt;40, Deduct</i>	-234.19	
26 56 13 00-0239	EA		25' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,271.68	494.74
			<i>For Galvanized Finish, Add</i>	38.47	
			<i>For &gt;10 To 20, Deduct</i>	-76.02	
			<i>For &gt;20 To 40, Deduct</i>	-139.23	
			<i>For &gt;40, Deduct</i>	-291.28	
26 56 13 00-0240	EA		30' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,607.12	556.59
			<i>For Galvanized Finish, Add</i>	44.82	
			<i>For &gt;10 To 20, Deduct</i>	-87.59	
			<i>For &gt;20 To 40, Deduct</i>	-160.23	
			<i>For &gt;40, Deduct</i>	-335.41	
26 56 13 00-0241	EA		20' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,736.79	371.06
			<i>For Galvanized Finish, Add</i>	29.84	
			<i>For &gt;10 To 20, Deduct</i>	-58.34	
			<i>For &gt;20 To 40, Deduct</i>	-106.73	
			<i>For &gt;40, Deduct</i>	-223.41	
26 56 13 00-0242	EA		25' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,131.80	494.74
			<i>For Galvanized Finish, Add</i>	34.27	
			<i>For &gt;10 To 20, Deduct</i>	-70.43	
			<i>For &gt;20 To 40, Deduct</i>	-129.44	
			<i>For &gt;40, Deduct</i>	-270.30	
26 56 13 00-0243	EA		30' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,486.68	556.59
			<i>For Galvanized Finish, Add</i>	41.21	
			<i>For &gt;10 To 20, Deduct</i>	-82.77	
			<i>For &gt;20 To 40, Deduct</i>	-151.80	
			<i>For &gt;40, Deduct</i>	-317.34	
26 56 13 00-0244	EA		20' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,983.51	371.06
			<i>For Galvanized Finish, Add</i>	37.24	
			<i>For &gt;10 To 20, Deduct</i>	-68.21	
			<i>For &gt;20 To 40, Deduct</i>	-124.00	
			<i>For &gt;40, Deduct</i>	-260.42	
26 56 13 00-0245	EA		25' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,446.52	494.74
			<i>For Galvanized Finish, Add</i>	43.71	
			<i>For &gt;10 To 20, Deduct</i>	-83.02	
			<i>For &gt;20 To 40, Deduct</i>	-151.47	
			<i>For &gt;40, Deduct</i>	-317.50	
26 56 13 00-0246	EA		30' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,772.25	556.59
			<i>For Galvanized Finish, Add</i>	49.77	
			<i>For &gt;10 To 20, Deduct</i>	-94.19	
			<i>For &gt;20 To 40, Deduct</i>	-171.79	
			<i>For &gt;40, Deduct</i>	-360.18	
26 56 13 00-0247	EA		35' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	3,074.99	587.51
			<i>For Galvanized Finish, Add</i>	57.00	
			<i>For &gt;10 To 20, Deduct</i>	-105.37	
			<i>For &gt;20 To 40, Deduct</i>	-191.75	
			<i>For &gt;40, Deduct</i>	-402.50	
26 56 13 00-0248	EA		30' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	3,154.97	556.59
			<i>For Galvanized Finish, Add</i>	61.25	
			<i>For &gt;10 To 20, Deduct</i>	-109.50	
			<i>For &gt;20 To 40, Deduct</i>	-198.58	
			<i>For &gt;40, Deduct</i>	-417.59	
26 56 13 00-0249	EA		35' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	3,459.65	587.51
			<i>For Galvanized Finish, Add</i>	68.54	
			<i>For &gt;10 To 20, Deduct</i>	-120.76	
			<i>For &gt;20 To 40, Deduct</i>	-218.68	
			<i>For &gt;40, Deduct</i>	-460.20	
26 56 13 00-0250	EA		40' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	3,659.42	618.43
			<i>For Galvanized Finish, Add</i>	72.68	
			<i>For &gt;10 To 20, Deduct</i>	-127.82	
			<i>For &gt;20 To 40, Deduct</i>	-231.42	
			<i>For &gt;40, Deduct</i>	-487.07	
26 56 13 00-0251			Hinged, Square Straight, Steel Area Light Poles (26 56 13 00-0178)		
26 56 13 00-0252			Hinged, Square Straight, Steel Area Light Poles, Anchor Base (26 56 13 00-0251)		
26 56 13 00-0253	EA		20' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base .....	3,963.54	371.06
			<i>For Galvanized Finish, Add</i>	96.64	
			<i>For &gt;10 To 20, Deduct</i>	-147.41	
			<i>For &gt;20 To 40, Deduct</i>	-262.61	
			<i>For &gt;40, Deduct</i>	-557.43	
26 56 13 00-0254	EA		25' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base .....	4,429.94	494.74
			<i>For Galvanized Finish, Add</i>	103.21	
			<i>For &gt;10 To 20, Deduct</i>	-162.36	
			<i>For &gt;20 To 40, Deduct</i>	-290.31	
			<i>For &gt;40, Deduct</i>	-615.02	

**26 Electrical****26 50 Lighting****26 56 Exterior Lighting**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 56 13 00-0255	EA 30' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	6,190.17	556.59
	For Galvanized Finish, Add	152.31	
	For >10 To 20, Deduct	-230.91	
	For >20 To 40, Deduct	-411.05	
	For >40, Deduct	-872.87	
26 56 13 00-0256	EA 20' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,042.06	371.06
	For Galvanized Finish, Add	99.00	
	For >10 To 20, Deduct	-150.55	
	For >20 To 40, Deduct	-268.10	
	For >40, Deduct	-569.20	
26 56 13 00-0257	EA 25' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,886.60	494.74
	For Galvanized Finish, Add	116.91	
	For >10 To 20, Deduct	-180.62	
	For >20 To 40, Deduct	-322.27	
	For >40, Deduct	-683.52	
26 56 13 00-0258	EA 30' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	6,869.99	556.59
	For Galvanized Finish, Add	172.70	
	For >10 To 20, Deduct	-258.10	
	For >20 To 40, Deduct	-458.64	
	For >40, Deduct	-974.84	
26 56 13 00-0259	EA 35' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	7,880.28	587.51
	For Galvanized Finish, Add	201.16	
	For >10 To 20, Deduct	-297.59	
	For >20 To 40, Deduct	-528.12	
	For >40, Deduct	-1,123.29	
26 56 13 00-0260	EA 39' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	9,258.38	618.43
	For Galvanized Finish, Add	240.65	
	For >10 To 20, Deduct	-351.78	
	For >20 To 40, Deduct	-623.35	
	For >40, Deduct	-1,326.91	
26 56 13 00-0261	EA 20' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	3,839.56	371.06
	For Galvanized Finish, Add	92.92	
	For >10 To 20, Deduct	-142.45	
	For >20 To 40, Deduct	-253.93	
	For >40, Deduct	-538.83	
26 56 13 00-0262	EA 25' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,231.57	494.74
	For Galvanized Finish, Add	97.26	
	For >10 To 20, Deduct	-154.42	
	For >20 To 40, Deduct	-276.42	
	For >40, Deduct	-585.26	
26 56 13 00-0263	EA 30' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,840.96	556.59
	For Galvanized Finish, Add	141.83	
	For >10 To 20, Deduct	-216.94	
	For >20 To 40, Deduct	-386.60	
	For >40, Deduct	-820.49	
26 56 13 00-0264	EA 20' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	3,982.14	371.06
	For Galvanized Finish, Add	97.20	
	For >10 To 20, Deduct	-148.15	
	For >20 To 40, Deduct	-263.91	
	For >40, Deduct	-560.22	
26 56 13 00-0265	EA 25' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,700.63	494.74
	For Galvanized Finish, Add	111.33	
	For >10 To 20, Deduct	-173.18	
	For >20 To 40, Deduct	-309.25	
	For >40, Deduct	-655.62	
26 56 13 00-0266	EA 30' High, 6.44" OD, 7 Gauge, Hinged Square Straight, Steel Area Light Pole, Anchor Base	6,611.70	556.59
	For Galvanized Finish, Add	164.96	
	For >10 To 20, Deduct	-247.77	
	For >20 To 40, Deduct	-440.56	
	For >40, Deduct	-936.10	
26 56 13 00-0267	EA 20' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,201.17	371.06
	For Galvanized Finish, Add	103.77	
	For >10 To 20, Deduct	-156.92	
	For >20 To 40, Deduct	-279.24	
	For >40, Deduct	-593.07	
26 56 13 00-0268	EA 25' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,095.30	494.74
	For Galvanized Finish, Add	123.17	
	For >10 To 20, Deduct	-188.97	
	For >20 To 40, Deduct	-336.88	
	For >40, Deduct	-714.82	
26 56 13 00-0269	EA 30' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	7,076.63	556.59
	For Galvanized Finish, Add	178.90	
	For >10 To 20, Deduct	-266.37	
	For >20 To 40, Deduct	-473.10	
	For >40, Deduct	-1,005.84	
26 56 13 00-0270	EA 35' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	8,132.38	587.51
	For Galvanized Finish, Add	208.72	
	For >10 To 20, Deduct	-307.67	
	For >20 To 40, Deduct	-545.77	
	For >40, Deduct	-1,161.11	
26 56 13 00-0271	EA 39' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	9,392.69	618.43
	For Galvanized Finish, Add	244.67	
	For >10 To 20, Deduct	-357.15	
	For >20 To 40, Deduct	-632.75	
	For >40, Deduct	-1,347.06	

26 56 13 00-0272 Square Tapered, Steel Area Light Poles (26 56 13 00-0178)

26 56 13 00-0273 Square Tapered, Steel Area Light Poles, Anchor Base (26 56 13 00-0272)



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0274	EA		20' High, 5.25" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	3,009.26	371.06
			For Galvanized Finish, Add	68.01	
			For >10 To 20, Deduct	-109.24	
			For >20 To 40, Deduct	-195.81	
			For >40, Deduct	-414.28	
26 56 13 00-0275	EA		25' High, 6.00" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	3,656.83	494.74
			For Galvanized Finish, Add	80.02	
			For >10 To 20, Deduct	-131.43	
			For >20 To 40, Deduct	-236.19	
			For >40, Deduct	-499.05	
26 56 13 00-0276	EA		30' High, 6.41" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	4,069.98	556.59
			For Galvanized Finish, Add	88.70	
			For >10 To 20, Deduct	-146.10	
			For >20 To 40, Deduct	-262.64	
			For >40, Deduct	-554.84	
26 56 13 00-0277	EA		35' High, 6.81" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	4,514.54	587.51
			For Galvanized Finish, Add	100.19	
			For >10 To 20, Deduct	-162.96	
			For >20 To 40, Deduct	-292.52	
			For >40, Deduct	-618.43	
26 56 13 00-0278	EA		39' High, 7.18" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	4,758.99	618.43
			For Galvanized Finish, Add	105.66	
			For >10 To 20, Deduct	-171.81	
			For >20 To 40, Deduct	-308.39	
			For >40, Deduct	-652.01	
26 56 13 00-0279	EA		20' High, 5.50" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base .....	3,881.54	371.06
			For Galvanized Finish, Add	94.18	
			For >10 To 20, Deduct	-144.13	
			For >20 To 40, Deduct	-256.87	
			For >40, Deduct	-545.13	
26 56 13 00-0280	EA		25' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base .....	4,340.66	494.74
			For Galvanized Finish, Add	100.54	
			For >10 To 20, Deduct	-158.78	
			For >20 To 40, Deduct	-284.06	
			For >40, Deduct	-601.62	
26 56 13 00-0281	EA		30' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base .....	4,629.49	556.59
			For Galvanized Finish, Add	105.49	
			For >10 To 20, Deduct	-168.48	
			For >20 To 40, Deduct	-301.80	
			For >40, Deduct	-638.76	
26 56 13 00-0282	EA		30' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base .....	5,142.36	556.59
			For Galvanized Finish, Add	120.88	
			For >10 To 20, Deduct	-189.00	
			For >20 To 40, Deduct	-337.70	
			For >40, Deduct	-715.70	
26 56 13 00-0283	EA		35' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base .....	5,573.32	587.51
			For Galvanized Finish, Add	131.95	
			For >10 To 20, Deduct	-205.31	
			For >20 To 40, Deduct	-366.63	
			For >40, Deduct	-777.25	
26 56 13 00-0284	EA		35' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base .....	6,208.58	587.51
			For Galvanized Finish, Add	151.01	
			For >10 To 20, Deduct	-230.72	
			For >20 To 40, Deduct	-411.10	
			For >40, Deduct	-872.54	
26 56 13 00-0285	EA		39' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base .....	5,664.30	618.43
			For Galvanized Finish, Add	132.82	
			For >10 To 20, Deduct	-208.02	
			For >20 To 40, Deduct	-371.76	
			For >40, Deduct	-787.80	
26 56 13 00-0286	EA		39' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base .....	7,228.18	618.43
			For Galvanized Finish, Add	179.74	
			For >10 To 20, Deduct	-270.57	
			For >20 To 40, Deduct	-481.24	
			For >40, Deduct	-1,022.38	
26 56 13 00-0287	EA		45' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base .....	6,693.93	803.97
			For Galvanized Finish, Add	152.58	
			For >10 To 20, Deduct	-243.64	
			For >20 To 40, Deduct	-436.42	
			For >40, Deduct	-923.69	
26 56 13 00-0288	EA		45' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base .....	7,760.48	803.97
			For Galvanized Finish, Add	184.58	
			For >10 To 20, Deduct	-286.30	
			For >20 To 40, Deduct	-511.08	
			For >40, Deduct	-1,083.68	
26 56 13 00-0289	EA		50' High, 8.81" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base .....	8,062.26	927.64
			For Galvanized Finish, Add	186.21	
			For >10 To 20, Deduct	-294.66	
			For >20 To 40, Deduct	-527.25	
			For >40, Deduct	-1,116.57	
<b>26 56 13 00-0290</b>			<b>Factory Accessories For Steel Area Light Poles</b> <small>(26 56 13 00-0178)</small>		
26 56 13 00-0291	EA		1/2", 3/4" Or 1" Factory Threaded Pipe Coupling Or Nipple For Steel Area Light Poles.....	68.88	
26 56 13 00-0292	EA		Extra Handhole For Steel Area Light Poles .....	102.43	
26 56 13 00-0293	EA		Vibration Dampener For Steel Area Light Poles .....	104.20	

**26 Electrical****26 50 Lighting****26 56 Exterior Lighting**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0294			<b>Aluminum Area Light Poles</b> <small>(26 56 13 00-0177)</small> Note: Includes satin brushed or painted finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.		
26 56 13 00-0295			<b>Round Straight, Aluminum Area Light Poles</b> <small>(26 56 13 00-0294)</small>		
26 56 13 00-0296			<b>Round Straight, Aluminum Area Light Poles, Anchor Base</b> <small>(26 56 13 00-0295)</small>		
26 56 13 00-0297	EA		8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base .....743.43	743.43	185.53
			<i>For Bronze Or Satin Anodized Finish, Add</i>	37.24	
			<i>For Black Anodized Finish, Add</i>	74.47	
			<i>For &gt;10 To 20, Deduct</i>	-24.17	
			<i>For &gt;20 To 40, Deduct</i>	-44.62	
			<i>For &gt;40, Deduct</i>	-92.96	
26 56 13 00-0298	EA		10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base .....824.37	824.37	216.45
			<i>For Bronze Or Satin Anodized Finish, Add</i>	39.15	
			<i>For Black Anodized Finish, Add</i>	78.29	
			<i>For &gt;10 To 20, Deduct</i>	-26.48	
			<i>For &gt;20 To 40, Deduct</i>	-49.05	
			<i>For &gt;40, Deduct</i>	-102.01	
26 56 13 00-0299	EA		12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base .....910.08	910.08	247.38
			<i>For Bronze Or Satin Anodized Finish, Add</i>	41.53	
			<i>For Black Anodized Finish, Add</i>	83.07	
			<i>For &gt;10 To 20, Deduct</i>	-28.98	
			<i>For &gt;20 To 40, Deduct</i>	-53.81	
			<i>For &gt;40, Deduct</i>	-111.78	
26 56 13 00-0300	EA		14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base .....996.75	996.75	278.29
			<i>For Bronze Or Satin Anodized Finish, Add</i>	44.02	
			<i>For Black Anodized Finish, Add</i>	88.03	
			<i>For &gt;10 To 20, Deduct</i>	-31.52	
			<i>For &gt;20 To 40, Deduct</i>	-58.64	
			<i>For &gt;40, Deduct</i>	-121.68	
26 56 13 00-0301	EA		15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base .....1,043.90	1,043.90	293.76
			<i>For Bronze Or Satin Anodized Finish, Add</i>	45.64	
			<i>For Black Anodized Finish, Add</i>	91.28	
			<i>For &gt;10 To 20, Deduct</i>	-32.94	
			<i>For &gt;20 To 40, Deduct</i>	-61.32	
			<i>For &gt;40, Deduct</i>	-127.21	
26 56 13 00-0302	EA		16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base .....1,090.10	1,090.10	309.21
			<i>For Bronze Or Satin Anodized Finish, Add</i>	47.17	
			<i>For Black Anodized Finish, Add</i>	94.33	
			<i>For &gt;10 To 20, Deduct</i>	-34.33	
			<i>For &gt;20 To 40, Deduct</i>	-63.94	
			<i>For &gt;40, Deduct</i>	-132.59	
26 56 13 00-0303	EA		16' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base .....1,147.39	1,147.39	309.21
			<i>For Bronze Or Satin Anodized Finish, Add</i>	52.90	
			<i>For Black Anodized Finish, Add</i>	105.79	
			<i>For &gt;10 To 20, Deduct</i>	-36.62	
			<i>For &gt;20 To 40, Deduct</i>	-67.95	
			<i>For &gt;40, Deduct</i>	-141.19	
26 56 13 00-0304	EA		18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base .....1,245.52	1,245.52	340.14
			<i>For Bronze Or Satin Anodized Finish, Add</i>	56.52	
			<i>For Black Anodized Finish, Add</i>	113.05	
			<i>For &gt;10 To 20, Deduct</i>	-39.62	
			<i>For &gt;20 To 40, Deduct</i>	-73.58	
			<i>For &gt;40, Deduct</i>	-152.81	
26 56 13 00-0305	EA		20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base .....1,337.92	1,337.92	371.06
			<i>For Bronze Or Satin Anodized Finish, Add</i>	59.58	
			<i>For Black Anodized Finish, Add</i>	119.16	
			<i>For &gt;10 To 20, Deduct</i>	-42.39	
			<i>For &gt;20 To 40, Deduct</i>	-78.81	
			<i>For &gt;40, Deduct</i>	-163.58	
26 56 13 00-0306	EA		15' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base .....1,254.92	1,254.92	293.76
			<i>For Bronze Or Satin Anodized Finish, Add</i>	66.74	
			<i>For Black Anodized Finish, Add</i>	133.48	
			<i>For &gt;10 To 20, Deduct</i>	-41.38	
			<i>For &gt;20 To 40, Deduct</i>	-76.09	
			<i>For &gt;40, Deduct</i>	-158.86	
26 56 13 00-0307	EA		20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base .....1,548.93	1,548.93	371.06
			<i>For Bronze Or Satin Anodized Finish, Add</i>	80.68	
			<i>For Black Anodized Finish, Add</i>	161.36	
			<i>For &gt;10 To 20, Deduct</i>	-50.83	
			<i>For &gt;20 To 40, Deduct</i>	-93.58	
			<i>For &gt;40, Deduct</i>	-195.23	
26 56 13 00-0308	EA		20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base .....1,655.86	1,655.86	371.06
			<i>For Bronze Or Satin Anodized Finish, Add</i>	91.37	
			<i>For Black Anodized Finish, Add</i>	182.75	
			<i>For &gt;10 To 20, Deduct</i>	-55.10	
			<i>For &gt;20 To 40, Deduct</i>	-101.07	
			<i>For &gt;40, Deduct</i>	-211.27	
26 56 13 00-0309	EA		25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base .....2,003.49	2,003.49	494.74
			<i>For Bronze Or Satin Anodized Finish, Add</i>	101.40	
			<i>For Black Anodized Finish, Add</i>	202.80	
			<i>For &gt;10 To 20, Deduct</i>	-65.30	
			<i>For &gt;20 To 40, Deduct</i>	-120.45	
			<i>For &gt;40, Deduct</i>	-251.05	
26 56 13 00-0310	EA		30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base .....2,317.18	2,317.18	556.59
			<i>For Bronze Or Satin Anodized Finish, Add</i>	120.40	
			<i>For Black Anodized Finish, Add</i>	240.80	
			<i>For &gt;10 To 20, Deduct</i>	-75.99	
			<i>For &gt;20 To 40, Deduct</i>	-139.94	
			<i>For &gt;40, Deduct</i>	-291.92	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0311	EA		20' High, 4" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base .....	1,403.80	371.06
			<i>For Bronze Or Satin Anodized Finish, Add</i>	66.17	
			<i>For Black Anodized Finish, Add</i>	132.34	
			<i>For &gt;10 To 20, Deduct</i>	-45.02	
			<i>For &gt;20 To 40, Deduct</i>	-83.42	
			<i>For &gt;40, Deduct</i>	-173.46	
26 56 13 00-0312	EA		20' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base .....	1,647.27	371.06
			<i>For Bronze Or Satin Anodized Finish, Add</i>	90.52	
			<i>For Black Anodized Finish, Add</i>	181.03	
			<i>For &gt;10 To 20, Deduct</i>	-54.76	
			<i>For &gt;20 To 40, Deduct</i>	-100.47	
			<i>For &gt;40, Deduct</i>	-209.98	
26 56 13 00-0313	EA		25' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base .....	1,988.21	494.74
			<i>For Bronze Or Satin Anodized Finish, Add</i>	99.87	
			<i>For Black Anodized Finish, Add</i>	199.74	
			<i>For &gt;10 To 20, Deduct</i>	-64.69	
			<i>For &gt;20 To 40, Deduct</i>	-119.38	
			<i>For &gt;40, Deduct</i>	-248.76	
26 56 13 00-0314	EA		25' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base .....	2,126.66	494.74
			<i>For Bronze Or Satin Anodized Finish, Add</i>	113.72	
			<i>For Black Anodized Finish, Add</i>	227.43	
			<i>For &gt;10 To 20, Deduct</i>	-70.22	
			<i>For &gt;20 To 40, Deduct</i>	-129.08	
			<i>For &gt;40, Deduct</i>	-269.52	
26 56 13 00-0315	EA		30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base .....	2,473.77	556.59
			<i>For Bronze Or Satin Anodized Finish, Add</i>	136.06	
			<i>For Black Anodized Finish, Add</i>	272.12	
			<i>For &gt;10 To 20, Deduct</i>	-82.25	
			<i>For &gt;20 To 40, Deduct</i>	-150.90	
			<i>For &gt;40, Deduct</i>	-315.41	
<b>26 56 13 00-0316 Round Straight, Aluminum Area Light Poles, Hinged Anchor Base (26 56 13 00-0295)</b>					
26 56 13 00-0317	EA		8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base .....	840.82	185.53
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	70.46	
			<i>For &gt;10 To 20, Deduct</i>	-28.07	
			<i>For &gt;20 To 40, Deduct</i>	-51.44	
			<i>For &gt;40, Deduct</i>	-107.57	
26 56 13 00-0318	EA		10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base .....	940.85	216.45
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	76.19	
			<i>For &gt;10 To 20, Deduct</i>	-31.14	
			<i>For &gt;20 To 40, Deduct</i>	-57.20	
			<i>For &gt;40, Deduct</i>	-119.48	
26 56 13 00-0319	EA		12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base .....	1,037.07	247.38
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	81.35	
			<i>For &gt;10 To 20, Deduct</i>	-34.06	
			<i>For &gt;20 To 40, Deduct</i>	-62.70	
			<i>For &gt;40, Deduct</i>	-130.82	
26 56 13 00-0320	EA		14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base .....	1,115.15	278.29
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	83.78	
			<i>For &gt;10 To 20, Deduct</i>	-36.26	
			<i>For &gt;20 To 40, Deduct</i>	-66.93	
			<i>For &gt;40, Deduct</i>	-139.44	
26 56 13 00-0321	EA		16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base .....	1,204.68	309.21
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	87.94	
			<i>For &gt;10 To 20, Deduct</i>	-38.91	
			<i>For &gt;20 To 40, Deduct</i>	-71.96	
			<i>For &gt;40, Deduct</i>	-149.78	
26 56 13 00-0322	EA		10' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base .....	960.90	216.45
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	79.20	
			<i>For &gt;10 To 20, Deduct</i>	-31.94	
			<i>For &gt;20 To 40, Deduct</i>	-58.61	
			<i>For &gt;40, Deduct</i>	-122.49	
26 56 13 00-0323	EA		12' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base .....	1,055.21	247.38
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	84.07	
			<i>For &gt;10 To 20, Deduct</i>	-34.79	
			<i>For &gt;20 To 40, Deduct</i>	-63.97	
			<i>For &gt;40, Deduct</i>	-133.54	
26 56 13 00-0324	EA		14' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base .....	1,152.39	278.29
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	89.37	
			<i>For &gt;10 To 20, Deduct</i>	-37.75	
			<i>For &gt;20 To 40, Deduct</i>	-69.54	
			<i>For &gt;40, Deduct</i>	-145.03	
26 56 13 00-0325	EA		16' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base .....	1,248.60	309.21
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	94.53	
			<i>For &gt;10 To 20, Deduct</i>	-40.67	
			<i>For &gt;20 To 40, Deduct</i>	-75.03	
			<i>For &gt;40, Deduct</i>	-156.37	
26 56 13 00-0326	EA		18' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base .....	1,349.59	340.14
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	100.40	
			<i>For &gt;10 To 20, Deduct</i>	-43.78	
			<i>For &gt;20 To 40, Deduct</i>	-80.87	
			<i>For &gt;40, Deduct</i>	-168.42	
26 56 13 00-0327	EA		20' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base .....	1,444.85	371.06
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	105.41	
			<i>For &gt;10 To 20, Deduct</i>	-46.66	
			<i>For &gt;20 To 40, Deduct</i>	-86.30	
			<i>For &gt;40, Deduct</i>	-179.62	

**26 Electrical****26 50 Lighting****26 56 Exterior Lighting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 56 13 00-0328	EA	12' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,092.44	247.38
		<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	89.66	
		<i>For &gt;10 To 20, Deduct</i>	-36.28	
		<i>For &gt;20 To 40, Deduct</i>	-66.58	
		<i>For &gt;40, Deduct</i>	-139.13	
26 56 13 00-0329	EA	14' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,196.31	278.29
		<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	95.96	
		<i>For &gt;10 To 20, Deduct</i>	-39.50	
		<i>For &gt;20 To 40, Deduct</i>	-72.61	
		<i>For &gt;40, Deduct</i>	-151.62	
26 56 13 00-0330	EA	16' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,299.20	309.21
		<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	102.12	
		<i>For &gt;10 To 20, Deduct</i>	-42.69	
		<i>For &gt;20 To 40, Deduct</i>	-78.58	
		<i>For &gt;40, Deduct</i>	-163.96	
26 56 13 00-0331	EA	18' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,404.02	340.14
		<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	108.56	
		<i>For &gt;10 To 20, Deduct</i>	-45.96	
		<i>For &gt;20 To 40, Deduct</i>	-84.68	
		<i>For &gt;40, Deduct</i>	-176.59	
26 56 13 00-0332	EA	16' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,352.67	309.21
		<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	110.14	
		<i>For &gt;10 To 20, Deduct</i>	-44.83	
		<i>For &gt;20 To 40, Deduct</i>	-82.32	
		<i>For &gt;40, Deduct</i>	-171.98	
26 56 13 00-0333	EA	20' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,569.93	371.06
		<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	124.17	
		<i>For &gt;10 To 20, Deduct</i>	-51.67	
		<i>For &gt;20 To 40, Deduct</i>	-95.05	
		<i>For &gt;40, Deduct</i>	-198.38	
26 56 13 00-0334	EA	12' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,127.77	247.38
		<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	94.95	
		<i>For &gt;10 To 20, Deduct</i>	-37.69	
		<i>For &gt;20 To 40, Deduct</i>	-69.05	
		<i>For &gt;40, Deduct</i>	-144.43	
26 56 13 00-0335	EA	14' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,242.14	278.29
		<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	102.83	
		<i>For &gt;10 To 20, Deduct</i>	-41.34	
		<i>For &gt;20 To 40, Deduct</i>	-75.82	
		<i>For &gt;40, Deduct</i>	-158.49	
26 56 13 00-0336	EA	16' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,346.94	309.21
		<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	109.28	
		<i>For &gt;10 To 20, Deduct</i>	-44.60	
		<i>For &gt;20 To 40, Deduct</i>	-81.92	
		<i>For &gt;40, Deduct</i>	-171.12	
26 56 13 00-0337	EA	18' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,457.49	340.14
		<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	116.58	
		<i>For &gt;10 To 20, Deduct</i>	-48.10	
		<i>For &gt;20 To 40, Deduct</i>	-88.42	
		<i>For &gt;40, Deduct</i>	-184.61	
26 56 13 00-0338	EA	20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,565.16	371.06
		<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	123.46	
		<i>For &gt;10 To 20, Deduct</i>	-51.47	
		<i>For &gt;20 To 40, Deduct</i>	-94.72	
		<i>For &gt;40, Deduct</i>	-197.67	
26 56 13 00-0339	EA	16' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,416.64	309.21
		<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	119.73	
		<i>For &gt;10 To 20, Deduct</i>	-47.39	
		<i>For &gt;20 To 40, Deduct</i>	-86.80	
		<i>For &gt;40, Deduct</i>	-181.57	
26 56 13 00-0340	EA	18' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,535.78	340.14
		<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	128.33	
		<i>For &gt;10 To 20, Deduct</i>	-51.23	
		<i>For &gt;20 To 40, Deduct</i>	-93.90	
		<i>For &gt;40, Deduct</i>	-196.35	
26 56 13 00-0341	EA	20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,594.76	371.06
		<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	127.90	
		<i>For &gt;10 To 20, Deduct</i>	-52.66	
		<i>For &gt;20 To 40, Deduct</i>	-96.79	
		<i>For &gt;40, Deduct</i>	-202.11	

**26 56 13 00-0342 Round Straight, Aluminum Area Light Poles, Direct Burial** (26 56 13 00-0295)

Note: Includes rubberized undercoating on embedded portion.

26 56 13 00-0343	EA	10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	660.58	154.61
		<i>For Bronze Or Satin Anodized Finish, Add</i>	35.14	
		<i>For Black Anodized Finish, Add</i>	70.27	
		<i>For &gt;10 To 20, Deduct</i>	-21.79	
		<i>For &gt;20 To 40, Deduct</i>	-40.06	
		<i>For &gt;40, Deduct</i>	-83.63	
26 56 13 00-0344	EA	12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	709.65	170.07
		<i>For Bronze Or Satin Anodized Finish, Add</i>	36.95	
		<i>For Black Anodized Finish, Add</i>	73.90	
		<i>For &gt;10 To 20, Deduct</i>	-23.28	
		<i>For &gt;20 To 40, Deduct</i>	-42.87	
		<i>For &gt;40, Deduct</i>	-89.44	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0345	EA		14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	783.53	185.53
			For Bronze Or Satin Anodized Finish, Add	41.25	
			For Black Anodized Finish, Add	82.49	
			For >10 To 20, Deduct	-25.78	
			For >20 To 40, Deduct	-47.43	
			For >40, Deduct	-98.98	
26 56 13 00-0346	EA		15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	805.49	185.53
			For Bronze Or Satin Anodized Finish, Add	43.44	
			For Black Anodized Finish, Add	86.89	
			For >10 To 20, Deduct	-26.65	
			For >20 To 40, Deduct	-48.96	
			For >40, Deduct	-102.27	
26 56 13 00-0347	EA		16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	833.18	185.53
			For Bronze Or Satin Anodized Finish, Add	46.21	
			For Black Anodized Finish, Add	92.42	
			For >10 To 20, Deduct	-27.76	
			For >20 To 40, Deduct	-50.90	
			For >40, Deduct	-106.42	
26 56 13 00-0348	EA		18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	948.13	200.99
			For Bronze Or Satin Anodized Finish, Add	54.62	
			For Black Anodized Finish, Add	109.23	
			For >10 To 20, Deduct	-31.90	
			For >20 To 40, Deduct	-58.33	
			For >40, Deduct	-122.12	
26 56 13 00-0349	EA		20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,014.37	216.45
			For Bronze Or Satin Anodized Finish, Add	58.15	
			For Black Anodized Finish, Add	116.29	
			For >10 To 20, Deduct	-34.08	
			For >20 To 40, Deduct	-62.35	
			For >40, Deduct	-130.51	
26 56 13 00-0350	EA		20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,162.37	216.45
			For Bronze Or Satin Anodized Finish, Add	72.95	
			For Black Anodized Finish, Add	145.89	
			For >10 To 20, Deduct	-40.00	
			For >20 To 40, Deduct	-72.71	
			For >40, Deduct	-152.71	
26 56 13 00-0351	EA		25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,414.21	247.38
			For Bronze Or Satin Anodized Finish, Add	91.95	
			For Black Anodized Finish, Add	183.89	
			For >10 To 20, Deduct	-49.15	
			For >20 To 40, Deduct	-89.10	
			For >40, Deduct	-187.39	
26 56 13 00-0352	EA		30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,604.01	278.29
			For Bronze Or Satin Anodized Finish, Add	104.74	
			For Black Anodized Finish, Add	209.48	
			For >10 To 20, Deduct	-55.81	
			For >20 To 40, Deduct	-101.15	
			For >40, Deduct	-212.77	
26 56 13 00-0353	EA		30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Direct Burial	1,778.73	278.29
			For Bronze Or Satin Anodized Finish, Add	122.21	
			For Black Anodized Finish, Add	244.43	
			For >10 To 20, Deduct	-62.80	
			For >20 To 40, Deduct	-113.38	
			For >40, Deduct	-238.98	
26 56 13 00-0354			Round Tapered, Aluminum Area Light Poles <small>(26 56 13 00-0294)</small>		
26 56 13 00-0355			Round Tapered, Aluminum Area Light Poles, Anchor Base <small>(26 56 13 00-0354)</small>		
26 56 13 00-0356	EA		8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	641.27	185.53
			For Bronze Or Satin Anodized Finish, Add	27.02	
			For Black Anodized Finish, Add	54.04	
			For >10 To 20, Deduct	-20.08	
			For >20 To 40, Deduct	-37.47	
			For >40, Deduct	-77.64	
26 56 13 00-0357	EA		10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	725.07	216.45
			For Bronze Or Satin Anodized Finish, Add	29.22	
			For Black Anodized Finish, Add	58.43	
			For >10 To 20, Deduct	-22.51	
			For >20 To 40, Deduct	-42.10	
			For >40, Deduct	-87.12	
26 56 13 00-0358	EA		12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	808.87	247.38
			For Bronze Or Satin Anodized Finish, Add	31.41	
			For Black Anodized Finish, Add	62.83	
			For >10 To 20, Deduct	-24.93	
			For >20 To 40, Deduct	-46.73	
			For >40, Deduct	-96.59	
26 56 13 00-0359	EA		14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	901.27	278.29
			For Bronze Or Satin Anodized Finish, Add	34.47	
			For Black Anodized Finish, Add	68.94	
			For >10 To 20, Deduct	-27.70	
			For >20 To 40, Deduct	-51.96	
			For >40, Deduct	-107.36	
26 56 13 00-0360	EA		16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	992.71	309.21
			For Bronze Or Satin Anodized Finish, Add	37.43	
			For Black Anodized Finish, Add	74.86	
			For >10 To 20, Deduct	-30.43	
			For >20 To 40, Deduct	-57.12	
			For >40, Deduct	-117.99	

**26 Electrical****26 50 Lighting****26 56 Exterior Lighting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 56 13 00-0361	EA	10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	749.89	216.45
		For Bronze Or Satin Anodized Finish, Add	31.70	
		For Black Anodized Finish, Add	63.40	
		For >10 To 20, Deduct	-23.50	
		For >20 To 40, Deduct	-43.83	
		For >40, Deduct	-90.84	
26 56 13 00-0362	EA	12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	848.02	247.38
		For Bronze Or Satin Anodized Finish, Add	35.33	
		For Black Anodized Finish, Add	70.66	
		For >10 To 20, Deduct	-26.50	
		For >20 To 40, Deduct	-49.47	
		For >40, Deduct	-102.47	
26 56 13 00-0363	EA	14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	943.28	278.29
		For Bronze Or Satin Anodized Finish, Add	38.67	
		For Black Anodized Finish, Add	77.34	
		For >10 To 20, Deduct	-29.38	
		For >20 To 40, Deduct	-54.90	
		For >40, Deduct	-113.66	
26 56 13 00-0364	EA	18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,127.13	340.14
		For Bronze Or Satin Anodized Finish, Add	44.69	
		For Black Anodized Finish, Add	89.37	
		For >10 To 20, Deduct	-34.88	
		For >20 To 40, Deduct	-65.29	
		For >40, Deduct	-135.06	
26 56 13 00-0365	EA	20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,212.84	371.06
		For Bronze Or Satin Anodized Finish, Add	47.07	
		For Black Anodized Finish, Add	94.14	
		For >10 To 20, Deduct	-37.38	
		For >20 To 40, Deduct	-70.06	
		For >40, Deduct	-144.82	
26 56 13 00-0366	EA	12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	883.34	247.38
		For Bronze Or Satin Anodized Finish, Add	38.86	
		For Black Anodized Finish, Add	77.72	
		For >10 To 20, Deduct	-27.91	
		For >20 To 40, Deduct	-51.94	
		For >40, Deduct	-107.76	
26 56 13 00-0367	EA	14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	984.34	278.29
		For Bronze Or Satin Anodized Finish, Add	42.78	
		For Black Anodized Finish, Add	85.55	
		For >10 To 20, Deduct	-31.02	
		For >20 To 40, Deduct	-57.77	
		For >40, Deduct	-119.82	
26 56 13 00-0368	EA	16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,092.01	309.21
		For Bronze Or Satin Anodized Finish, Add	47.36	
		For Black Anodized Finish, Add	94.72	
		For >10 To 20, Deduct	-34.40	
		For >20 To 40, Deduct	-64.07	
		For >40, Deduct	-132.88	
26 56 13 00-0369	EA	18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,182.50	340.14
		For Bronze Or Satin Anodized Finish, Add	50.22	
		For Black Anodized Finish, Add	100.44	
		For >10 To 20, Deduct	-37.10	
		For >20 To 40, Deduct	-69.17	
		For >40, Deduct	-143.36	
26 56 13 00-0370	EA	20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,286.36	371.06
		For Bronze Or Satin Anodized Finish, Add	54.42	
		For Black Anodized Finish, Add	108.85	
		For >10 To 20, Deduct	-40.32	
		For >20 To 40, Deduct	-75.20	
		For >40, Deduct	-155.85	
26 56 13 00-0371	EA	16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,185.58	309.21
		For Bronze Or Satin Anodized Finish, Add	56.72	
		For Black Anodized Finish, Add	113.43	
		For >10 To 20, Deduct	-38.15	
		For >20 To 40, Deduct	-70.62	
		For >40, Deduct	-146.92	
26 56 13 00-0372	EA	18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,301.85	340.14
		For Bronze Or Satin Anodized Finish, Add	62.16	
		For Black Anodized Finish, Add	124.31	
		For >10 To 20, Deduct	-41.87	
		For >20 To 40, Deduct	-77.52	
		For >40, Deduct	-161.26	
26 56 13 00-0373	EA	20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,378.97	371.06
		For Bronze Or Satin Anodized Finish, Add	63.69	
		For Black Anodized Finish, Add	127.37	
		For >10 To 20, Deduct	-44.03	
		For >20 To 40, Deduct	-81.69	
		For >40, Deduct	-169.74	
26 56 13 00-0374	EA	23' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,587.63	432.90
		For Bronze Or Satin Anodized Finish, Add	72.18	
		For Black Anodized Finish, Add	144.37	
		For >10 To 20, Deduct	-50.52	
		For >20 To 40, Deduct	-93.82	
		For >40, Deduct	-194.85	
26 56 13 00-0375	EA	25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,802.02	494.74
		For Bronze Or Satin Anodized Finish, Add	81.25	
		For Black Anodized Finish, Add	162.51	
		For >10 To 20, Deduct	-57.24	
		For >20 To 40, Deduct	-106.35	
		For >40, Deduct	-220.83	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0376	EA		18' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,395.43	340.14
			For Bronze Or Satin Anodized Finish, Add	71.52	
			For Black Anodized Finish, Add	143.03	
			For >10 To 20, Deduct	-45.61	
			For >20 To 40, Deduct	-84.07	
			For >40, Deduct	-175.30	
26 56 13 00-0377	EA		20' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,492.59	371.06
			For Bronze Or Satin Anodized Finish, Add	75.05	
			For Black Anodized Finish, Add	150.09	
			For >10 To 20, Deduct	-48.57	
			For >20 To 40, Deduct	-89.64	
			For >40, Deduct	-186.78	
26 56 13 00-0378	EA		23' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,677.38	432.90
			For Bronze Or Satin Anodized Finish, Add	81.16	
			For Black Anodized Finish, Add	162.32	
			For >10 To 20, Deduct	-54.11	
			For >20 To 40, Deduct	-100.10	
			For >40, Deduct	-208.32	
26 56 13 00-0379	EA		25' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,870.77	494.74
			For Bronze Or Satin Anodized Finish, Add	88.13	
			For Black Anodized Finish, Add	176.26	
			For >10 To 20, Deduct	-59.99	
			For >20 To 40, Deduct	-111.16	
			For >40, Deduct	-231.14	
26 56 13 00-0380	EA		28' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,009.95	525.67
			For Bronze Or Satin Anodized Finish, Add	95.86	
			For Black Anodized Finish, Add	191.72	
			For >10 To 20, Deduct	-64.63	
			For >20 To 40, Deduct	-119.67	
			For >40, Deduct	-248.93	
26 56 13 00-0381	EA		30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,151.05	556.59
			For Bronze Or Satin Anodized Finish, Add	103.79	
			For Black Anodized Finish, Add	207.57	
			For >10 To 20, Deduct	-69.34	
			For >20 To 40, Deduct	-128.31	
			For >40, Deduct	-267.00	
26 56 13 00-0382	EA		23' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,766.18	432.90
			For Bronze Or Satin Anodized Finish, Add	90.04	
			For Black Anodized Finish, Add	180.08	
			For >10 To 20, Deduct	-57.66	
			For >20 To 40, Deduct	-106.32	
			For >40, Deduct	-221.64	
26 56 13 00-0383	EA		25' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,929.97	494.74
			For Bronze Or Satin Anodized Finish, Add	94.05	
			For Black Anodized Finish, Add	188.10	
			For >10 To 20, Deduct	-62.36	
			For >20 To 40, Deduct	-115.31	
			For >40, Deduct	-240.02	
26 56 13 00-0384	EA		28' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,073.92	525.67
			For Bronze Or Satin Anodized Finish, Add	102.26	
			For Black Anodized Finish, Add	204.52	
			For >10 To 20, Deduct	-67.19	
			For >20 To 40, Deduct	-124.15	
			For >40, Deduct	-258.52	
26 56 13 00-0385	EA		30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,250.35	556.59
			For Bronze Or Satin Anodized Finish, Add	113.72	
			For Black Anodized Finish, Add	227.43	
			For >10 To 20, Deduct	-73.32	
			For >20 To 40, Deduct	-135.26	
			For >40, Deduct	-281.89	
26 56 13 00-0386	EA		33' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,324.22	572.05
			For Bronze Or Satin Anodized Finish, Add	118.01	
			For Black Anodized Finish, Add	236.03	
			For >10 To 20, Deduct	-75.81	
			For >20 To 40, Deduct	-139.81	
			For >40, Deduct	-291.43	
26 56 13 00-0387	EA		35' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,470.68	587.51
			For Bronze Or Satin Anodized Finish, Add	129.57	
			For Black Anodized Finish, Add	259.13	
			For >10 To 20, Deduct	-81.20	
			For >20 To 40, Deduct	-149.45	
			For >40, Deduct	-311.85	
26 56 13 00-0388	EA		12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	922.49	247.38
			For Bronze Or Satin Anodized Finish, Add	42.78	
			For Black Anodized Finish, Add	85.55	
			For >10 To 20, Deduct	-29.48	
			For >20 To 40, Deduct	-54.68	
			For >40, Deduct	-113.64	
26 56 13 00-0389	EA		14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,030.17	278.29
			For Bronze Or Satin Anodized Finish, Add	47.36	
			For Black Anodized Finish, Add	94.72	
			For >10 To 20, Deduct	-32.86	
			For >20 To 40, Deduct	-60.98	
			For >40, Deduct	-126.70	
26 56 13 00-0390	EA		16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,141.66	309.21
			For Bronze Or Satin Anodized Finish, Add	52.32	
			For Black Anodized Finish, Add	104.65	
			For >10 To 20, Deduct	-36.39	
			For >20 To 40, Deduct	-67.55	
			For >40, Deduct	-140.33	

**26 Electrical****26 50 Lighting****26 56 Exterior Lighting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 56 13 00-0391	EA	18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,242.66	340.14
		For Bronze Or Satin Anodized Finish, Add	56.24	
		For Black Anodized Finish, Add	112.48	
		For >10 To 20, Deduct	-39.50	
		For >20 To 40, Deduct	-73.38	
		For >40, Deduct	-152.39	
26 56 13 00-0392	EA	20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,342.69	371.06
		For Bronze Or Satin Anodized Finish, Add	60.06	
		For Black Anodized Finish, Add	120.11	
		For >10 To 20, Deduct	-42.58	
		For >20 To 40, Deduct	-79.15	
		For >40, Deduct	-164.30	
26 56 13 00-0393	EA	16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,245.73	309.21
		For Bronze Or Satin Anodized Finish, Add	62.73	
		For Black Anodized Finish, Add	125.46	
		For >10 To 20, Deduct	-40.55	
		For >20 To 40, Deduct	-74.83	
		For >40, Deduct	-155.94	
26 56 13 00-0394	EA	18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,364.87	340.14
		For Bronze Or Satin Anodized Finish, Add	68.46	
		For Black Anodized Finish, Add	136.92	
		For >10 To 20, Deduct	-44.39	
		For >20 To 40, Deduct	-81.94	
		For >40, Deduct	-170.72	
26 56 13 00-0395	EA	20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,454.40	371.06
		For Bronze Or Satin Anodized Finish, Add	71.23	
		For Black Anodized Finish, Add	142.46	
		For >10 To 20, Deduct	-47.04	
		For >20 To 40, Deduct	-86.97	
		For >40, Deduct	-181.05	
26 56 13 00-0396	EA	23' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,658.28	432.90
		For Bronze Or Satin Anodized Finish, Add	79.25	
		For Black Anodized Finish, Add	158.50	
		For >10 To 20, Deduct	-53.34	
		For >20 To 40, Deduct	-98.76	
		For >40, Deduct	-205.45	
26 56 13 00-0397	EA	25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,867.91	494.74
		For Bronze Or Satin Anodized Finish, Add	87.84	
		For Black Anodized Finish, Add	175.68	
		For >10 To 20, Deduct	-59.87	
		For >20 To 40, Deduct	-110.96	
		For >40, Deduct	-230.71	
26 56 13 00-0398	EA	23' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,874.07	432.90
		For Bronze Or Satin Anodized Finish, Add	100.83	
		For Black Anodized Finish, Add	201.65	
		For >10 To 20, Deduct	-61.98	
		For >20 To 40, Deduct	-113.87	
		For >40, Deduct	-237.82	
26 56 13 00-0399	EA	25' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,073.19	494.74
		For Bronze Or Satin Anodized Finish, Add	108.37	
		For Black Anodized Finish, Add	216.74	
		For >10 To 20, Deduct	-68.09	
		For >20 To 40, Deduct	-125.33	
		For >40, Deduct	-261.50	
26 56 13 00-0400	EA	28' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,228.60	525.67
		For Bronze Or Satin Anodized Finish, Add	117.73	
		For Black Anodized Finish, Add	235.45	
		For >10 To 20, Deduct	-73.37	
		For >20 To 40, Deduct	-134.98	
		For >40, Deduct	-281.72	
26 56 13 00-0401	EA	30' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,367.79	556.59
		For Bronze Or Satin Anodized Finish, Add	125.46	
		For Black Anodized Finish, Add	250.92	
		For >10 To 20, Deduct	-78.01	
		For >20 To 40, Deduct	-143.48	
		For >40, Deduct	-299.51	
26 56 13 00-0402	EA	33' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,491.31	572.05
		For Bronze Or Satin Anodized Finish, Add	134.72	
		For Black Anodized Finish, Add	269.44	
		For >10 To 20, Deduct	-82.49	
		For >20 To 40, Deduct	-151.51	
		For >40, Deduct	-316.49	
26 56 13 00-0403	EA	35' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,599.58	587.51
		For Bronze Or Satin Anodized Finish, Add	142.46	
		For Black Anodized Finish, Add	284.91	
		For >10 To 20, Deduct	-86.36	
		For >20 To 40, Deduct	-158.47	
		For >40, Deduct	-331.19	
26 56 13 00-0404	EA	37' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,692.56	602.97
		For Bronze Or Satin Anodized Finish, Add	148.66	
		For Black Anodized Finish, Add	297.32	
		For >10 To 20, Deduct	-89.61	
		For >20 To 40, Deduct	-164.36	
		For >40, Deduct	-343.59	
26 56 13 00-0405	EA	39' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,857.16	618.43
		For Bronze Or Satin Anodized Finish, Add	162.03	
		For Black Anodized Finish, Add	324.06	
		For >10 To 20, Deduct	-95.73	
		For >20 To 40, Deduct	-175.26	
		For >40, Deduct	-366.73	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0406	EA		28' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,641.07	525.67
			For Bronze Or Satin Anodized Finish, Add	158.97	
			For Black Anodized Finish, Add	317.95	
			For >10 To 20, Deduct	-89.87	
			For >20 To 40, Deduct	-163.85	
			For >40, Deduct	-343.59	
26 56 13 00-0407	EA		30' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,845.19	556.59
			For Bronze Or Satin Anodized Finish, Add	173.20	
			For Black Anodized Finish, Add	346.40	
			For >10 To 20, Deduct	-97.11	
			For >20 To 40, Deduct	-176.90	
			For >40, Deduct	-371.12	
26 56 13 00-0408	EA		33' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,987.81	572.05
			For Bronze Or Satin Anodized Finish, Add	184.37	
			For Black Anodized Finish, Add	368.74	
			For >10 To 20, Deduct	-102.35	
			For >20 To 40, Deduct	-186.26	
			For >40, Deduct	-390.97	
26 56 13 00-0409	EA		35' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,097.03	587.51
			For Bronze Or Satin Anodized Finish, Add	192.20	
			For Black Anodized Finish, Add	384.40	
			For >10 To 20, Deduct	-106.26	
			For >20 To 40, Deduct	-193.29	
			For >40, Deduct	-405.80	
26 56 13 00-0410	EA		37' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,159.46	602.97
			For Bronze Or Satin Anodized Finish, Add	195.35	
			For Black Anodized Finish, Add	390.70	
			For >10 To 20, Deduct	-108.29	
			For >20 To 40, Deduct	-197.04	
			For >40, Deduct	-413.62	
26 56 13 00-0411	EA		39' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,340.28	618.43
			For Bronze Or Satin Anodized Finish, Add	210.34	
			For Black Anodized Finish, Add	420.68	
			For >10 To 20, Deduct	-115.06	
			For >20 To 40, Deduct	-209.08	
			For >40, Deduct	-439.20	
26 56 13 00-0412	EA		28' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,510.26	525.67
			For Bronze Or Satin Anodized Finish, Add	145.89	
			For Black Anodized Finish, Add	291.79	
			For >10 To 20, Deduct	-84.64	
			For >20 To 40, Deduct	-154.69	
			For >40, Deduct	-323.97	
26 56 13 00-0413	EA		30' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,697.19	556.59
			For Bronze Or Satin Anodized Finish, Add	158.40	
			For Black Anodized Finish, Add	316.80	
			For >10 To 20, Deduct	-91.19	
			For >20 To 40, Deduct	-166.54	
			For >40, Deduct	-348.92	
26 56 13 00-0414	EA		33' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,771.07	572.05
			For Bronze Or Satin Anodized Finish, Add	162.70	
			For Black Anodized Finish, Add	325.40	
			For >10 To 20, Deduct	-93.68	
			For >20 To 40, Deduct	-171.09	
			For >40, Deduct	-358.46	
26 56 13 00-0415	EA		35' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,954.77	587.51
			For Bronze Or Satin Anodized Finish, Add	177.98	
			For Black Anodized Finish, Add	355.95	
			For >10 To 20, Deduct	-100.57	
			For >20 To 40, Deduct	-183.33	
			For >40, Deduct	-384.46	
26 56 13 00-0416	EA		37' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,046.79	602.97
			For Bronze Or Satin Anodized Finish, Add	184.09	
			For Black Anodized Finish, Add	368.17	
			For >10 To 20, Deduct	-103.78	
			For >20 To 40, Deduct	-189.16	
			For >40, Deduct	-396.72	
26 56 13 00-0417	EA		39' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,228.57	618.43
			For Bronze Or Satin Anodized Finish, Add	199.17	
			For Black Anodized Finish, Add	398.34	
			For >10 To 20, Deduct	-110.59	
			For >20 To 40, Deduct	-201.26	
			For >40, Deduct	-422.44	
26 56 13 00-0418	EA		28' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,107.97	525.67
			For Bronze Or Satin Anodized Finish, Add	205.66	
			For Black Anodized Finish, Add	411.33	
			For >10 To 20, Deduct	-108.55	
			For >20 To 40, Deduct	-196.53	
			For >40, Deduct	-413.63	
26 56 13 00-0419	EA		30' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,286.30	556.59
			For Bronze Or Satin Anodized Finish, Add	217.31	
			For Black Anodized Finish, Add	434.62	
			For >10 To 20, Deduct	-114.75	
			For >20 To 40, Deduct	-207.78	
			For >40, Deduct	-437.29	
26 56 13 00-0420	EA		33' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,430.84	572.05
			For Bronze Or Satin Anodized Finish, Add	228.68	
			For Black Anodized Finish, Add	457.35	
			For >10 To 20, Deduct	-120.07	
			For >20 To 40, Deduct	-217.28	
			For >40, Deduct	-457.42	

**26 Electrical**

**26 50 Lighting**

**26 56 Exterior Lighting**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 56 13 00-0421	EA 35' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	3,652.73 247.77 495.54 -128.48 -232.19 -489.16	587.51
26 56 13 00-0422	EA 37' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	3,704.65 249.87 499.74 -130.10 -235.21 -495.40	602.97
26 56 13 00-0423	EA 39' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	3,925.58 268.87 537.74 -138.47 -250.05 -526.99	618.43
26 56 13 00-0424	EA 48' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	4,986.09 313.08 626.16 -171.61 -311.92 -655.15	927.64
26 56 13 00-0425	EA 50' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	5,104.48 324.92 649.84 -176.35 -320.21 -672.91	927.64
<b>26 56 13 00-0426</b>	<b>Round Tapered, Aluminum Area Light Poles, Hinged Anchor Base</b> <small>(26 56 13 00-0354)</small>		
26 56 13 00-0427	EA 8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	846.55 71.32 -28.30 -51.84 -108.43	185.53
26 56 13 00-0428	EA 10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	928.44 74.33 -30.64 -56.33 -117.62	216.45
26 56 13 00-0429	EA 12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,011.29 77.48 -33.03 -60.90 -126.96	247.38
26 56 13 00-0430	EA 14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,096.05 80.92 -35.49 -65.59 -136.58	278.29
26 56 13 00-0431	EA 16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,179.85 84.21 -37.92 -70.22 -146.06	309.21
26 56 13 00-0432	EA 10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	939.90 76.05 -31.10 -57.14 -119.34	216.45
26 56 13 00-0433	EA 12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,024.65 79.49 -33.56 -61.83 -128.96	247.38
26 56 13 00-0434	EA 14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,111.33 83.21 -36.10 -66.66 -138.87	278.29
26 56 13 00-0435	EA 16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,197.04 86.79 -38.61 -71.42 -148.63	309.21
26 56 13 00-0436	EA 18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,295.17 92.23 -41.60 -77.06 -160.26	340.14
26 56 13 00-0437	EA 20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,384.70 96.39 -44.26 -82.09 -170.60	371.06

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0438	EA		12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,061.89 85.07 -35.05 -64.44 -134.55	247.38
26 56 13 00-0439	EA		14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,153.34 89.51 -37.78 -69.60 -145.17	278.29
26 56 13 00-0440	EA		16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,256.24 95.67 -40.97 -75.57 -157.51	309.21
26 56 13 00-0441	EA		18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,349.59 100.40 -43.78 -80.87 -168.42	340.14
26 56 13 00-0442	EA		20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,455.36 106.99 -47.08 -87.03 -181.20	371.06
26 56 13 00-0443	EA		16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,310.66 103.83 -43.15 -79.38 -165.68	309.21
26 56 13 00-0444	EA		18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,423.11 111.42 -46.72 -86.01 -179.45	340.14
26 56 13 00-0445	EA		20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,514.55 115.86 -49.45 -91.18 -190.08	371.06
26 56 13 00-0446	EA		12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,091.49 89.51 -36.24 -66.51 -138.99	247.38
26 56 13 00-0447	EA		14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,198.22 96.24 -39.58 -72.74 -151.90	278.29
26 56 13 00-0448	EA		16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,310.66 103.83 -43.15 -79.38 -165.68	309.21
26 56 13 00-0449	EA		18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,411.66 109.71 -46.26 -85.21 -177.74	340.14
26 56 13 00-0450	EA		20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,519.33 116.58 -49.64 -91.51 -190.79	371.06
26 56 13 00-0451	EA		16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,372.72 113.14 -45.63 -83.72 -174.99	309.21
26 56 13 00-0452	EA		18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,492.81 121.88 -49.51 -90.89 -189.91	340.14
26 56 13 00-0453	EA		20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... For Bronze, Satin Or Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,589.03 127.04 -52.43 -96.39 -201.25	371.06
26 56 13 00-0454			<b>Round Tapered, Aluminum Area Light Poles, Direct Burial</b> <small>(26 56 13 00-0354)</small>		
26 56 13 00-0455	EA		8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial ..... For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	591.83 28.26 56.52 -19.04 -35.24 -73.31	154.61

**26 Electrical****26 50 Lighting****26 56 Exterior Lighting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 56 13 00-0456	EA 10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	618.57	154.61
	For Bronze Or Satin Anodized Finish, Add	30.94	
	For Black Anodized Finish, Add	61.87	
	For >10 To 20, Deduct	-20.10	
	For >20 To 40, Deduct	-37.12	
	For >40, Deduct	-77.33	
26 56 13 00-0457	EA 12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	671.46	170.07
	For Bronze Or Satin Anodized Finish, Add	33.13	
	For Black Anodized Finish, Add	66.26	
	For >10 To 20, Deduct	-21.76	
	For >20 To 40, Deduct	-40.20	
	For >40, Deduct	-83.71	
26 56 13 00-0458	EA 14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	717.65	185.53
	For Bronze Or Satin Anodized Finish, Add	34.66	
	For Black Anodized Finish, Add	69.32	
	For >10 To 20, Deduct	-23.14	
	For >20 To 40, Deduct	-42.81	
	For >40, Deduct	-89.09	
26 56 13 00-0459	EA 16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	752.03	185.53
	For Bronze Or Satin Anodized Finish, Add	38.10	
	For Black Anodized Finish, Add	76.19	
	For >10 To 20, Deduct	-24.52	
	For >20 To 40, Deduct	-45.22	
	For >40, Deduct	-94.25	
26 56 13 00-0460	EA 12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	697.24	170.07
	For Bronze Or Satin Anodized Finish, Add	35.71	
	For Black Anodized Finish, Add	71.42	
	For >10 To 20, Deduct	-22.79	
	For >20 To 40, Deduct	-42.00	
	For >40, Deduct	-87.58	
26 56 13 00-0461	EA 14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	754.89	185.53
	For Bronze Or Satin Anodized Finish, Add	38.38	
	For Black Anodized Finish, Add	76.77	
	For >10 To 20, Deduct	-24.63	
	For >20 To 40, Deduct	-45.42	
	For >40, Deduct	-94.68	
26 56 13 00-0462	EA 16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	773.99	185.53
	For Bronze Or Satin Anodized Finish, Add	40.29	
	For Black Anodized Finish, Add	80.59	
	For >10 To 20, Deduct	-25.39	
	For >20 To 40, Deduct	-46.76	
	For >40, Deduct	-97.55	
26 56 13 00-0463	EA 18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	835.46	200.99
	For Bronze Or Satin Anodized Finish, Add	43.35	
	For Black Anodized Finish, Add	86.70	
	For >10 To 20, Deduct	-27.39	
	For >20 To 40, Deduct	-50.44	
	For >40, Deduct	-105.22	
26 56 13 00-0464	EA 20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	893.11	216.45
	For Bronze Or Satin Anodized Finish, Add	46.02	
	For Black Anodized Finish, Add	92.04	
	For >10 To 20, Deduct	-29.23	
	For >20 To 40, Deduct	-53.86	
	For >40, Deduct	-112.32	
26 56 13 00-0465	EA 16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	829.36	185.53
	For Bronze Or Satin Anodized Finish, Add	45.83	
	For Black Anodized Finish, Add	91.66	
	For >10 To 20, Deduct	-27.61	
	For >20 To 40, Deduct	-50.63	
	For >40, Deduct	-105.85	
26 56 13 00-0466	EA 18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	896.57	200.99
	For Bronze Or Satin Anodized Finish, Add	49.46	
	For Black Anodized Finish, Add	98.92	
	For >10 To 20, Deduct	-29.83	
	For >20 To 40, Deduct	-54.72	
	For >40, Deduct	-114.39	
26 56 13 00-0467	EA 20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	958.99	216.45
	For Bronze Or Satin Anodized Finish, Add	52.61	
	For Black Anodized Finish, Add	105.22	
	For >10 To 20, Deduct	-31.87	
	For >20 To 40, Deduct	-58.47	
	For >40, Deduct	-122.20	
26 56 13 00-0468	EA 18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	974.86	200.99
	For Bronze Or Satin Anodized Finish, Add	57.29	
	For Black Anodized Finish, Add	114.58	
	For >10 To 20, Deduct	-32.96	
	For >20 To 40, Deduct	-60.20	
	For >40, Deduct	-126.13	
26 56 13 00-0469	EA 25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,246.17	247.38
	For Bronze Or Satin Anodized Finish, Add	75.14	
	For Black Anodized Finish, Add	150.29	
	For >10 To 20, Deduct	-42.43	
	For >20 To 40, Deduct	-77.34	
	For >40, Deduct	-162.19	
26 56 13 00-0470	EA 25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,354.06	247.38
	For Bronze Or Satin Anodized Finish, Add	85.93	
	For Black Anodized Finish, Add	171.86	
	For >10 To 20, Deduct	-46.74	
	For >20 To 40, Deduct	-84.89	
	For >40, Deduct	-178.37	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0471	EA		30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,508.53	278.29
			<i>For Bronze Or Satin Anodized Finish, Add</i>	95.19	
			<i>For Black Anodized Finish, Add</i>	190.39	
			<i>For &gt;10 To 20, Deduct</i>	-51.99	
			<i>For &gt;20 To 40, Deduct</i>	-94.47	
			<i>For &gt;40, Deduct</i>	-198.45	
26 56 13 00-0472	EA		30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,625.97	278.29
			<i>For Bronze Or Satin Anodized Finish, Add</i>	106.94	
			<i>For Black Anodized Finish, Add</i>	213.88	
			<i>For &gt;10 To 20, Deduct</i>	-56.69	
			<i>For &gt;20 To 40, Deduct</i>	-102.69	
			<i>For &gt;40, Deduct</i>	-216.07	
26 56 13 00-0473			Square Straight, Aluminum Area Light Poles <small>(26 56 13 00-0294)</small>		
26 56 13 00-0474			Square Straight, Aluminum Area Light Poles, Anchor Base <small>(26 56 13 00-0473)</small>		
26 56 13 00-0475	EA		8' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	765.39	185.53
			<i>For Bronze Or Satin Anodized Finish, Add</i>	39.43	
			<i>For Black Anodized Finish, Add</i>	78.87	
			<i>For &gt;10 To 20, Deduct</i>	-25.05	
			<i>For &gt;20 To 40, Deduct</i>	-46.16	
			<i>For &gt;40, Deduct</i>	-96.26	
26 56 13 00-0476	EA		10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	847.28	216.45
			<i>For Bronze Or Satin Anodized Finish, Add</i>	41.44	
			<i>For Black Anodized Finish, Add</i>	82.88	
			<i>For &gt;10 To 20, Deduct</i>	-27.40	
			<i>For &gt;20 To 40, Deduct</i>	-50.65	
			<i>For &gt;40, Deduct</i>	-105.45	
26 56 13 00-0477	EA		12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	936.81	247.38
			<i>For Bronze Or Satin Anodized Finish, Add</i>	44.21	
			<i>For Black Anodized Finish, Add</i>	88.41	
			<i>For &gt;10 To 20, Deduct</i>	-30.05	
			<i>For &gt;20 To 40, Deduct</i>	-55.68	
			<i>For &gt;40, Deduct</i>	-115.78	
26 56 13 00-0478	EA		14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,025.40	278.29
			<i>For Bronze Or Satin Anodized Finish, Add</i>	46.88	
			<i>For Black Anodized Finish, Add</i>	93.76	
			<i>For &gt;10 To 20, Deduct</i>	-32.67	
			<i>For &gt;20 To 40, Deduct</i>	-60.65	
			<i>For &gt;40, Deduct</i>	-125.98	
26 56 13 00-0479	EA		15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,073.50	293.76
			<i>For Bronze Or Satin Anodized Finish, Add</i>	48.60	
			<i>For Black Anodized Finish, Add</i>	97.20	
			<i>For &gt;10 To 20, Deduct</i>	-34.13	
			<i>For &gt;20 To 40, Deduct</i>	-63.39	
			<i>For &gt;40, Deduct</i>	-131.65	
26 56 13 00-0480	EA		16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,121.61	309.21
			<i>For Bronze Or Satin Anodized Finish, Add</i>	50.32	
			<i>For Black Anodized Finish, Add</i>	100.64	
			<i>For &gt;10 To 20, Deduct</i>	-35.59	
			<i>For &gt;20 To 40, Deduct</i>	-66.14	
			<i>For &gt;40, Deduct</i>	-137.32	
26 56 13 00-0481	EA		18' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,215.92	340.14
			<i>For Bronze Or Satin Anodized Finish, Add</i>	53.56	
			<i>For Black Anodized Finish, Add</i>	107.13	
			<i>For &gt;10 To 20, Deduct</i>	-38.43	
			<i>For &gt;20 To 40, Deduct</i>	-71.51	
			<i>For &gt;40, Deduct</i>	-148.37	
26 56 13 00-0482	EA		20' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,218.82	371.06
			<i>For Bronze Or Satin Anodized Finish, Add</i>	57.67	
			<i>For Black Anodized Finish, Add</i>	115.34	
			<i>For &gt;10 To 20, Deduct</i>	-41.62	
			<i>For &gt;20 To 40, Deduct</i>	-77.48	
			<i>For &gt;40, Deduct</i>	-160.72	
26 56 13 00-0483	EA		16' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,187.49	309.21
			<i>For Bronze Or Satin Anodized Finish, Add</i>	56.91	
			<i>For Black Anodized Finish, Add</i>	113.81	
			<i>For &gt;10 To 20, Deduct</i>	-38.22	
			<i>For &gt;20 To 40, Deduct</i>	-70.76	
			<i>For &gt;40, Deduct</i>	-147.20	
26 56 13 00-0484	EA		18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,283.71	340.14
			<i>For Bronze Or Satin Anodized Finish, Add</i>	60.34	
			<i>For Black Anodized Finish, Add</i>	120.69	
			<i>For &gt;10 To 20, Deduct</i>	-41.14	
			<i>For &gt;20 To 40, Deduct</i>	-76.25	
			<i>For &gt;40, Deduct</i>	-158.54	
26 56 13 00-0485	EA		20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,392.34	371.06
			<i>For Bronze Or Satin Anodized Finish, Add</i>	65.02	
			<i>For Black Anodized Finish, Add</i>	130.04	
			<i>For &gt;10 To 20, Deduct</i>	-44.56	
			<i>For &gt;20 To 40, Deduct</i>	-82.62	
			<i>For &gt;40, Deduct</i>	-171.75	
26 56 13 00-0486	EA		15' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,359.94	293.76
			<i>For Bronze Or Satin Anodized Finish, Add</i>	77.24	
			<i>For Black Anodized Finish, Add</i>	154.49	
			<i>For &gt;10 To 20, Deduct</i>	-45.58	
			<i>For &gt;20 To 40, Deduct</i>	-83.45	
			<i>For &gt;40, Deduct</i>	-174.62	

**26 Electrical**

**26 50 Lighting**

**26 56 Exterior Lighting**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 56 13 00-0487	EA 20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,666.37 92.43 184.85 -55.52 -101.80 -212.85	371.06
26 56 13 00-0488	EA 25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,033.09 104.36 208.72 -66.48 -122.53 -255.49	494.74
26 56 13 00-0489	EA 20' High, 4" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,451.54 70.94 141.88 -46.93 -86.77 -180.63	371.06
26 56 13 00-0490	EA 20' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,781.90 103.98 207.96 -60.14 -109.89 -230.18	371.06
26 56 13 00-0491	EA 25' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,138.11 114.86 229.72 -70.68 -129.88 -271.24	494.74
26 56 13 00-0492	EA 20' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,963.31 122.12 244.24 -67.40 -122.59 -257.39	371.06
26 56 13 00-0493	EA 25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,374.90 138.54 277.08 -80.15 -146.45 -306.76	494.74
26 56 13 00-0494	EA 30' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,744.93 163.18 326.35 -93.10 -169.88 -356.08	556.59
26 56 13 00-0495	<b>Square Straight, Aluminum Area Light Poles, Direct Burial</b> <small>(26 56 13 00-0473)</small> Note: Includes rubberized undercoating on embedded portion.		
26 56 13 00-0496	EA 10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	685.40 37.62 75.24 -22.78 -41.79 -87.35	154.61
26 56 13 00-0497	EA 12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	765.03 42.49 84.98 -25.50 -46.75 -97.75	170.07
26 56 13 00-0498	EA 14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	816.00 44.49 88.99 -27.07 -49.70 -103.85	185.53
26 56 13 00-0499	EA 15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	839.87 46.88 93.76 -28.03 -51.37 -107.43	185.53
26 56 13 00-0500	EA 16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	869.47 49.84 99.68 -29.21 -53.44 -111.87	185.53
26 56 13 00-0501	EA 18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,001.59 59.96 119.92 -34.03 -62.07 -130.14	200.99

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 13 00-0502	EA		20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial .....	1,073.57	216.45
			<i>For Bronze Or Satin Anodized Finish, Add</i>	64.07	
			<i>For Black Anodized Finish, Add</i>	128.13	
			<i>For &gt;10 To 20, Deduct</i>	-36.45	
			<i>For &gt;20 To 40, Deduct</i>	-66.49	
			<i>For &gt;40, Deduct</i>	-139.39	
26 56 13 00-0503	EA		20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial .....	1,223.47	216.45
			<i>For Bronze Or Satin Anodized Finish, Add</i>	79.06	
			<i>For Black Anodized Finish, Add</i>	158.11	
			<i>For &gt;10 To 20, Deduct</i>	-42.45	
			<i>For &gt;20 To 40, Deduct</i>	-76.98	
			<i>For &gt;40, Deduct</i>	-161.88	
26 56 13 00-0504	EA		25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial .....	1,405.62	247.38
			<i>For Bronze Or Satin Anodized Finish, Add</i>	91.09	
			<i>For Black Anodized Finish, Add</i>	182.18	
			<i>For &gt;10 To 20, Deduct</i>	-48.80	
			<i>For &gt;20 To 40, Deduct</i>	-88.50	
			<i>For &gt;40, Deduct</i>	-186.11	
26 56 13 00-0505	EA		25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Direct Burial .....	1,740.75	247.38
			<i>For Bronze Or Satin Anodized Finish, Add</i>	124.60	
			<i>For Black Anodized Finish, Add</i>	249.20	
			<i>For &gt;10 To 20, Deduct</i>	-62.21	
			<i>For &gt;20 To 40, Deduct</i>	-111.96	
			<i>For &gt;40, Deduct</i>	-236.38	

**26 56 13 00-0506 Factory Accessories For Aluminum Area Light Poles (26 56 13 00-0294)**

26 56 13 00-0507	EA		1/2", 3/4" Or 1" Factory Threaded Pipe Coupling Or Nipple For Aluminum Area Light Poles .....	68.88	
26 56 13 00-0508	EA		Extra Handhole For Aluminum Area Light Poles.....	35.59	
26 56 13 00-0509	EA		Vibration Dampener For Aluminum Area Light Poles .....	104.20	

**26 56 13 00-0510 Fiberglass Area Light Poles (26 56 13 00-0177)**

Note: Includes UV resistant textured weave finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions and tenon top.

**26 56 13 00-0511 Round Tapered, Fiberglass Area Light Poles (26 56 13 00-0510)**
**26 56 13 00-0512 Round Tapered, Fiberglass Area Light Poles, Anchor Base (26 56 13 00-0511)**

26 56 13 00-0513	EA		10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,386.54	216.45
			<i>For &gt;10 To 20, Deduct</i>	-48.97	
			<i>For &gt;20 To 40, Deduct</i>	-88.40	
			<i>For &gt;40, Deduct</i>	-186.34	
26 56 13 00-0514	EA		12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,505.15	247.38
			<i>For &gt;10 To 20, Deduct</i>	-52.78	
			<i>For &gt;20 To 40, Deduct</i>	-95.47	
			<i>For &gt;40, Deduct</i>	-201.04	
26 56 13 00-0515	EA		14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,625.38	278.29
			<i>For &gt;10 To 20, Deduct</i>	-56.67	
			<i>For &gt;20 To 40, Deduct</i>	-102.64	
			<i>For &gt;40, Deduct</i>	-215.98	
26 56 13 00-0516	EA		16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,743.99	309.21
			<i>For &gt;10 To 20, Deduct</i>	-60.48	
			<i>For &gt;20 To 40, Deduct</i>	-109.71	
			<i>For &gt;40, Deduct</i>	-230.68	
26 56 13 00-0517	EA		18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,891.79	340.14
			<i>For &gt;10 To 20, Deduct</i>	-65.47	
			<i>For &gt;20 To 40, Deduct</i>	-118.82	
			<i>For &gt;40, Deduct</i>	-249.75	
26 56 13 00-0518	EA		20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,013.64	371.06
			<i>For &gt;10 To 20, Deduct</i>	-69.41	
			<i>For &gt;20 To 40, Deduct</i>	-126.11	
			<i>For &gt;40, Deduct</i>	-264.94	
26 56 13 00-0519	EA		22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,195.71	432.90
			<i>For &gt;10 To 20, Deduct</i>	-74.84	
			<i>For &gt;20 To 40, Deduct</i>	-136.38	
			<i>For &gt;40, Deduct</i>	-286.07	
26 56 13 00-0520	EA		24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,376.16	494.74
			<i>For &gt;10 To 20, Deduct</i>	-80.20	
			<i>For &gt;20 To 40, Deduct</i>	-146.54	
			<i>For &gt;40, Deduct</i>	-306.95	
26 56 13 00-0521	EA		26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,507.53	494.74
			<i>For &gt;10 To 20, Deduct</i>	-85.46	
			<i>For &gt;20 To 40, Deduct</i>	-155.74	
			<i>For &gt;40, Deduct</i>	-326.66	
26 56 13 00-0522	EA		28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,684.52	525.67
			<i>For &gt;10 To 20, Deduct</i>	-91.61	
			<i>For &gt;20 To 40, Deduct</i>	-166.89	
			<i>For &gt;40, Deduct</i>	-350.11	
26 56 13 00-0523	EA		30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,861.52	556.59
			<i>For &gt;10 To 20, Deduct</i>	-97.76	
			<i>For &gt;20 To 40, Deduct</i>	-178.04	
			<i>For &gt;40, Deduct</i>	-373.57	
26 56 13 00-0524	EA		10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,535.75	216.45
			<i>For &gt;10 To 20, Deduct</i>	-54.94	
			<i>For &gt;20 To 40, Deduct</i>	-98.84	
			<i>For &gt;40, Deduct</i>	-208.72	

**26 Electrical**

**26 50 Lighting**

**26 56 Exterior Lighting**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 56 13 00-0525	EA 12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,625.16 -57.59 -103.87 -219.04	247.38
26 56 13 00-0526	EA 14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,716.21 -60.30 -109.00 -229.60	278.29
26 56 13 00-0527	EA 16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,810.48 -63.14 -114.37 -240.65	309.21
26 56 13 00-0528	EA 18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,912.88 -66.31 -120.30 -252.92	340.14
26 56 13 00-0529	EA 20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,013.64 -69.41 -126.11 -264.94	371.06
26 56 13 00-0530	EA 22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,176.25 -74.06 -135.02 -283.15	432.90
26 56 13 00-0531	EA 24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,376.16 -80.20 -146.54 -306.95	494.74
26 56 13 00-0532	EA 26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,431.31 -82.41 -150.40 -315.22	494.74
26 56 13 00-0533	EA 28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,549.91 -86.23 -157.47 -329.92	525.67
26 56 13 00-0534	EA 30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,668.52 -90.04 -164.53 -344.62	556.59
26 56 13 00-0535	EA 10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,754.70 -63.69 -114.17 -241.56	216.45
26 56 13 00-0536	EA 12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,866.82 -67.25 -120.78 -255.29	247.38
26 56 13 00-0537	EA 14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,978.94 -70.81 -127.39 -269.01	278.29
26 56 13 00-0538	EA 16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,092.68 -74.43 -134.12 -282.98	309.21
26 56 13 00-0539	EA 18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,212.92 -78.31 -141.30 -297.92	340.14
26 56 13 00-0540	EA 20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,342.88 -82.58 -149.16 -314.33	371.06
26 56 13 00-0541	EA 22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,549.27 -88.98 -161.13 -339.10	432.90
26 56 13 00-0542	EA 24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,757.30 -95.45 -173.22 -364.12	494.74
26 56 13 00-0543	EA 26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,841.63 -98.82 -179.12 -376.77	494.74
26 56 13 00-0544	EA 28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	3,036.46 -105.69 -191.53 -402.90	525.67
26 56 13 00-0545	EA 30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	3,194.00 -111.06 -201.32 -423.44	556.59
26 56 13 00-0546	EA 32' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	3,320.60 -115.66 -209.56 -440.89	572.05



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0547	EA		34' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	3,447.22	587.51
			<i>For &gt;10 To 20, Deduct</i>	-120.26	
			<i>For &gt;20 To 40, Deduct</i>	-217.81	
			<i>For &gt;40, Deduct</i>	-458.33	
<b>26 56 13 00-0548</b>			<b>Round Tapered, Fiberglass Area Light Poles, Direct Burial</b> <small>(26 56 13 00-0511)</small>		
26 56 13 00-0549	EA		10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	854.15	154.61
			<i>For &gt;10 To 20, Deduct</i>	-29.53	
			<i>For &gt;20 To 40, Deduct</i>	-53.61	
			<i>For &gt;40, Deduct</i>	-112.66	
26 56 13 00-0550	EA		12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	915.89	170.07
			<i>For &gt;10 To 20, Deduct</i>	-31.53	
			<i>For &gt;20 To 40, Deduct</i>	-57.31	
			<i>For &gt;40, Deduct</i>	-120.38	
26 56 13 00-0551	EA		14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	976.01	185.53
			<i>For &gt;10 To 20, Deduct</i>	-33.47	
			<i>For &gt;20 To 40, Deduct</i>	-60.90	
			<i>For &gt;40, Deduct</i>	-127.85	
26 56 13 00-0552	EA		16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,003.58	185.53
			<i>For &gt;10 To 20, Deduct</i>	-34.58	
			<i>For &gt;20 To 40, Deduct</i>	-62.83	
			<i>For &gt;40, Deduct</i>	-131.98	
26 56 13 00-0553	EA		18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,079.91	200.99
			<i>For &gt;10 To 20, Deduct</i>	-37.17	
			<i>For &gt;20 To 40, Deduct</i>	-67.55	
			<i>For &gt;40, Deduct</i>	-141.89	
26 56 13 00-0554	EA		20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,143.27	216.45
			<i>For &gt;10 To 20, Deduct</i>	-39.24	
			<i>For &gt;20 To 40, Deduct</i>	-71.37	
			<i>For &gt;40, Deduct</i>	-149.85	
26 56 13 00-0555	EA		22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,211.50	231.91
			<i>For &gt;10 To 20, Deduct</i>	-41.50	
			<i>For &gt;20 To 40, Deduct</i>	-75.53	
			<i>For &gt;40, Deduct</i>	-158.53	
26 56 13 00-0556	EA		24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,287.82	247.38
			<i>For &gt;10 To 20, Deduct</i>	-44.09	
			<i>For &gt;20 To 40, Deduct</i>	-80.25	
			<i>For &gt;40, Deduct</i>	-168.44	
26 56 13 00-0557	EA		26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,443.52	247.38
			<i>For &gt;10 To 20, Deduct</i>	-50.32	
			<i>For &gt;20 To 40, Deduct</i>	-91.15	
			<i>For &gt;40, Deduct</i>	-191.79	
26 56 13 00-0558	EA		28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,630.14	262.83
			<i>For &gt;10 To 20, Deduct</i>	-57.32	
			<i>For &gt;20 To 40, Deduct</i>	-103.60	
			<i>For &gt;40, Deduct</i>	-218.24	
26 56 13 00-0559	EA		30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,816.76	278.29
			<i>For &gt;10 To 20, Deduct</i>	-64.32	
			<i>For &gt;20 To 40, Deduct</i>	-116.04	
			<i>For &gt;40, Deduct</i>	-244.68	
26 56 13 00-0560	EA		10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,003.36	154.61
			<i>For &gt;10 To 20, Deduct</i>	-35.50	
			<i>For &gt;20 To 40, Deduct</i>	-64.05	
			<i>For &gt;40, Deduct</i>	-135.04	
26 56 13 00-0561	EA		12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,073.21	170.07
			<i>For &gt;10 To 20, Deduct</i>	-37.83	
			<i>For &gt;20 To 40, Deduct</i>	-68.32	
			<i>For &gt;40, Deduct</i>	-143.97	
26 56 13 00-0562	EA		14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,143.06	185.53
			<i>For &gt;10 To 20, Deduct</i>	-40.16	
			<i>For &gt;20 To 40, Deduct</i>	-72.59	
			<i>For &gt;40, Deduct</i>	-152.91	
26 56 13 00-0563	EA		16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,183.60	185.53
			<i>For &gt;10 To 20, Deduct</i>	-41.78	
			<i>For &gt;20 To 40, Deduct</i>	-75.43	
			<i>For &gt;40, Deduct</i>	-158.99	
26 56 13 00-0564	EA		18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,253.45	200.99
			<i>For &gt;10 To 20, Deduct</i>	-44.11	
			<i>For &gt;20 To 40, Deduct</i>	-79.70	
			<i>For &gt;40, Deduct</i>	-167.92	
26 56 13 00-0565	EA		20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,323.29	216.45
			<i>For &gt;10 To 20, Deduct</i>	-46.44	
			<i>For &gt;20 To 40, Deduct</i>	-83.97	
			<i>For &gt;40, Deduct</i>	-176.85	
26 56 13 00-0566	EA		22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,393.14	231.91
			<i>For &gt;10 To 20, Deduct</i>	-48.77	
			<i>For &gt;20 To 40, Deduct</i>	-88.24	
			<i>For &gt;40, Deduct</i>	-185.78	
26 56 13 00-0567	EA		24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,500.28	247.38
			<i>For &gt;10 To 20, Deduct</i>	-52.59	
			<i>For &gt;20 To 40, Deduct</i>	-95.12	
			<i>For &gt;40, Deduct</i>	-200.31	
26 56 13 00-0568	EA		26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,651.11	247.38
			<i>For &gt;10 To 20, Deduct</i>	-58.62	
			<i>For &gt;20 To 40, Deduct</i>	-105.68	
			<i>For &gt;40, Deduct</i>	-222.93	

**26 Electrical****26 50 Lighting****26 56 Exterior Lighting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 56 13 00-0569	EA	28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,834.49	262.83
		For >10 To 20, Deduct	-65.49	
		For >20 To 40, Deduct	-117.90	
		For >40, Deduct	-248.89	
26 56 13 00-0570	EA	30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	2,016.25	278.29
		For >10 To 20, Deduct	-72.30	
		For >20 To 40, Deduct	-130.01	
		For >40, Deduct	-274.61	
26 56 13 00-0571	EA	10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,134.73	154.61
		For >10 To 20, Deduct	-40.75	
		For >20 To 40, Deduct	-73.25	
		For >40, Deduct	-154.75	
26 56 13 00-0572	EA	12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,194.85	170.07
		For >10 To 20, Deduct	-42.69	
		For >20 To 40, Deduct	-76.84	
		For >40, Deduct	-162.22	
26 56 13 00-0573	EA	14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,253.34	185.53
		For >10 To 20, Deduct	-44.57	
		For >20 To 40, Deduct	-80.31	
		For >40, Deduct	-169.45	
26 56 13 00-0574	EA	16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,280.91	185.53
		For >10 To 20, Deduct	-45.67	
		For >20 To 40, Deduct	-82.24	
		For >40, Deduct	-173.58	
26 56 13 00-0575	EA	18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,339.40	200.99
		For >10 To 20, Deduct	-47.55	
		For >20 To 40, Deduct	-85.72	
		For >40, Deduct	-180.81	
26 56 13 00-0576	EA	20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,399.52	216.45
		For >10 To 20, Deduct	-49.49	
		For >20 To 40, Deduct	-89.31	
		For >40, Deduct	-188.28	
26 56 13 00-0577	EA	22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,514.78	231.91
		For >10 To 20, Deduct	-53.63	
		For >20 To 40, Deduct	-96.76	
		For >40, Deduct	-204.03	
26 56 13 00-0578	EA	24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,649.49	247.38
		For >10 To 20, Deduct	-58.56	
		For >20 To 40, Deduct	-105.57	
		For >40, Deduct	-222.69	
26 56 13 00-0579	EA	26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,743.56	247.38
		For >10 To 20, Deduct	-62.32	
		For >20 To 40, Deduct	-112.15	
		For >40, Deduct	-236.80	
26 56 13 00-0580	EA	28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,870.18	262.83
		For >10 To 20, Deduct	-66.92	
		For >20 To 40, Deduct	-120.40	
		For >40, Deduct	-254.24	
26 56 13 00-0581	EA	30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,996.78	278.29
		For >10 To 20, Deduct	-71.52	
		For >20 To 40, Deduct	-128.64	
		For >40, Deduct	-271.69	

**26 56 13 00-0582 Factory Accessories For Fiberglass Area Light Poles (26 56 13 00-0510)**

26 56 13 00-0583	EA	Open Or Capped Top For Fiberglass Area Light Poles	57.50	
26 56 13 00-0584	EA	Factory Side Drilling Up To Four Fixtures On Fiberglass Area Light Poles	57.50	
26 56 13 00-0585	EA	Smooth Shaft Finish For Fiberglass Area Light Poles	109.11	
26 56 13 00-0586	EA	Vibration Dampener For Fiberglass Area Light Poles	144.49	

**26 56 13 00-0587 Concrete Area Light Poles (26 56 13 00-0177)****26 56 13 00-0588 Octagonal Tapered, Spun Concrete Area Light Poles, Anchor Base (26 56 13 00-0587)**

26 56 13 00-0589	EA	28' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	2,164.99	525.67
26 56 13 00-0590	EA	30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	2,282.53	556.59
26 56 13 00-0591	EA	33' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	2,367.83	572.05
26 56 13 00-0592	EA	36' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	2,947.55	587.51
26 56 13 00-0593	EA	38' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	3,275.26	618.43
26 56 13 00-0594	EA	43' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	4,052.82	803.97
26 56 13 00-0595	EA	47' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	4,854.54	989.49
26 56 13 00-0596	EA	27' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	4,717.89	525.67
		Note: Polished brown with acrylic coating finish.		
26 56 13 00-0597	EA	30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	5,446.40	556.59
		Note: Polished brown with acrylic coating finish.		
26 56 13 00-0598	EA	Pole Adapter Base Plate, Galvanized Steel, 1" Thick For Adapting Up To 40'	595.42	185.53
26 56 13 00-0599	EA	13' High Concrete Octagonal Area Light Pole, Pink With Acrylic Coating, Finish Design	2,828.11	370.93
26 56 13 00-0600	EA	Pole Base Cover For All Octagon Poles	231.01	75.69
26 56 13 00-0601	EA	Pole Arms 24' Long, Square, 250 Watt Fixture, Dark, Architectural Bronze	473.43	151.40

**26 56 13 00-0602 Tapered, Spun Concrete Area Light Poles, Direct Burial (26 56 13 00-0587)**

Note: Round or square.

26 56 13 00-0603	EA	13' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	2,334.38	247.38
26 56 13 00-0604	EA	16' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	2,636.98	309.21
26 56 13 00-0605	EA	18' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	2,911.02	371.06
26 56 13 00-0606	EA	30' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	4,055.04	556.59
26 56 13 00-0607	EA	35' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	4,677.56	587.51

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 56 13 00-0608	EA		40' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	5,350.75	618.43
	26 56 13 00-0609	EA		45' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	6,200.41	803.97
<b>26 56 13 00-0610</b>				<b>Round Tapered, Spun Concrete Area Light Poles, Direct Burial</b> <small>(26 56 13 00-0587)</small>		
	26 56 13 00-0611	EA		60' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 60 9-22).....	15,289.92	1,391.47
	26 56 13 00-0612	EA		70' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 70 9-24).....	18,189.03	1,693.02
	26 56 13 00-0613	EA		80' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C1 80 9-26).....	21,596.01	2,287.07
<b>26 56 13 00-0614</b>				<b>Treated Wood Area Light Poles</b> <small>(26 56 13 00-0177)</small> See CSI section 26 05 46 00-0001 for wood poles.		
<b>26 56 13 00-0615</b>				<b>Cast Iron Decorative Light Posts</b> <small>(26 56 13 00-0177)</small>		
<b>26 56 13 00-0616</b>				<b>Round Tapered, Cast Iron Decorative Light Post, Anchor Base</b> <small>(26 56 13 00-0615)</small> Note: As manufactured by Hadco and King Luminaries or an approved equal.		
	26 56 13 00-0617	EA		10' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base.....	1,527.02	154.61
	26 56 13 00-0618	EA		12' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base.....	1,606.36	178.11
	26 56 13 00-0619	EA		14' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base.....	1,743.98	185.53
	26 56 13 00-0620	EA		16' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base.....	2,145.80	216.45
	26 56 13 00-0621	EA		18' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base.....	2,510.96	235.01
	26 56 13 00-0622	EA		20' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base.....	2,894.01	253.56
<b>26 56 13 00-0623</b>				<b>Landscape Light Poles</b> <small>(26 56 13 00-0001)</small> Note: Excludes lighting fixtures.		
<b>26 56 13 00-0624</b>				<b>Aluminum Landscape Light Poles</b> <small>(26 56 13 00-0623)</small> Note: Includes painted finish.		
<b>26 56 13 00-0625</b>				<b>Round Straight, Aluminum Landscape Light Poles</b> <small>(26 56 13 00-0624)</small>		
<b>26 56 13 00-0626</b>				<b>Round Straight, Aluminum Landscape Light Poles, Anchor Base</b> <small>(26 56 13 00-0625)</small>		
	26 56 13 00-0627	EA		7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base.....	456.03	185.53
	26 56 13 00-0628	EA		12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base.....	763.65	247.38
<b>26 56 13 00-0629</b>				<b>Round Straight, Aluminum Landscape Light Poles, Direct Burial</b> <small>(26 56 13 00-0625)</small>		
	26 56 13 00-0630	EA		7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial.....	416.04	185.53
	26 56 13 00-0631	EA		12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial.....	723.66	247.38
<b>26 56 13 00-0632</b>				<b>Steel Landscape Light Poles</b> <small>(26 56 13 00-0623)</small> Note: Includes painted finish.		
<b>26 56 13 00-0633</b>				<b>Round Straight, Steel Landscape Light Poles</b> <small>(26 56 13 00-0632)</small>		
<b>26 56 13 00-0634</b>				<b>Round Straight, Steel Landscape Light Poles, Anchor Base</b> <small>(26 56 13 00-0633)</small>		
	26 56 13 00-0635	EA		6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Anchor Base.....	488.65	185.53
<b>26 56 13 00-0636</b>				<b>Round Straight, Steel Landscape Light Poles, Direct Burial</b> <small>(26 56 13 00-0633)</small>		
	26 56 13 00-0637	EA		6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Direct Burial.....	462.31	185.53
<b>26 56 13 00-0638</b>				<b>Light Pole Brackets And Arms</b> <small>(26 56 13 00-0001)</small>		
<b>26 56 13 00-0639</b>				<b>Light Pole Brackets</b> <small>(26 56 13 00-0638)</small>		
<b>26 56 13 00-0640</b>				<b>Bullhorn Style, Pole Top Area Light Brackets</b> <small>(26 56 13 00-0639)</small>		
<b>26 56 13 00-0641</b>				<b>Round Bullhorn Style, Pole Top Area Light Brackets</b> <small>(26 56 13 00-0640)</small>		
<b>26 56 13 00-0642</b>				<b>Steel, Round Bullhorn Style, Pole Top Area Light Brackets</b> <small>(26 56 13 00-0641)</small> Note: Includes powdercoat finish.		
	26 56 13 00-0643	EA		Two Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket.....	545.78	37.11
				<i>For Galvanized Finish, Add</i>	47.16	
	26 56 13 00-0644	EA		Three Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket.....	688.06	37.11
				<i>For Galvanized Finish, Add</i>	61.39	
	26 56 13 00-0645	EA		Three Tenons At 120 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket.....	731.49	37.11
				<i>For Galvanized Finish, Add</i>	65.73	
	26 56 13 00-0646	EA		Four Tenons At 90 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket.....	999.57	37.11
				<i>For Galvanized Finish, Add</i>	92.54	
	26 56 13 00-0647	EA		Four Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket.....	1,041.32	37.11
				<i>For Galvanized Finish, Add</i>	96.71	
<b>26 56 13 00-0648</b>				<b>Aluminum, Round Bullhorn Style, Pole Top Area Light Brackets</b> <small>(26 56 13 00-0641)</small> Note: Includes satin brushed or painted finish.		
	26 56 13 00-0649	EA		Two Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	229.84	37.11
				<i>For Bronze Or Satin Anodized Finish, Add</i>	15.56	
				<i>For Black Anodized Finish, Add</i>	31.13	
	26 56 13 00-0650	EA		Three Tenons At 120 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	279.49	37.11
				<i>For Bronze Or Satin Anodized Finish, Add</i>	20.53	
				<i>For Black Anodized Finish, Add</i>	41.06	
	26 56 13 00-0651	EA		Three Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	292.86	37.11
				<i>For Bronze Or Satin Anodized Finish, Add</i>	21.87	
				<i>For Black Anodized Finish, Add</i>	43.73	

**26 Electrical****26 50 Lighting****26 56 Exterior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0652	EA		Four Tenons At 90 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i>	339.64 26.54 53.09	37.11
26 56 13 00-0653	EA		Four Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i>	349.19 27.50 55.00	37.11
<b>26 56 13 00-0654</b>			<b>Square Bullhorn Style, Pole Top Area Light Brackets</b> (26 56 13 00-0640)		
<b>26 56 13 00-0655</b>			<b>Steel, Square Bullhorn Style, Pole Top Area Light Brackets</b> (26 56 13 00-0654) Note: Includes powdercoat finish.		
26 56 13 00-0656	EA		Two Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket..... <i>For Galvanized Finish, Add</i>	586.41 51.22	37.11
26 56 13 00-0657	EA		Three Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket..... <i>For Galvanized Finish, Add</i>	722.69 64.85	37.11
26 56 13 00-0658	EA		Four Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket..... <i>For Galvanized Finish, Add</i>	882.76 80.86	37.11
26 56 13 00-0659	EA		Four Tenons At 90 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket..... <i>For Galvanized Finish, Add</i>	1,043.57 96.94	37.11
<b>26 56 13 00-0660</b>			<b>Wood Pole Clamp On Style, Pole Top Area Light Brackets</b> (26 56 13 00-0639)		
<b>26 56 13 00-0661</b>			<b>Steel, Wood Pole Clamp On Style, Pole Top Area Light Brackets</b> (26 56 13 00-0660) Note: Includes powdercoat finish.		
26 56 13 00-0662	EA		One Tenon, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket.....	559.88	61.84
26 56 13 00-0663	EA		Two Tenons At 90, 120 Or 180 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket.....	838.82	61.84
26 56 13 00-0664	EA		Three Tenons At 120 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket.....	1,168.86	61.84
26 56 13 00-0665	EA		Four Tenons At 90 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket.....	1,277.44	61.84
<b>26 56 13 00-0666</b>			<b>Light Pole Arms</b> (26 56 13 00-0638)		
<b>26 56 13 00-0667</b>			<b>Wood Pole Streetlight Arms</b> (26 56 13 00-0666)		
<b>26 56 13 00-0668</b>			<b>Steel, Wood Pole Streetlight Arms</b> (26 56 13 00-0667)		
26 56 13 00-0669	EA		1-1/4" Arm Diameter, 2-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	328.85	55.65
26 56 13 00-0670	EA		1-1/4" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	348.53	61.84
26 56 13 00-0671	EA		1-1/4" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	405.09	77.31
26 56 13 00-0672	EA		2" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	482.19	61.84
26 56 13 00-0673	EA		2" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	538.38	77.31
26 56 13 00-0674	EA		2" Arm Diameter, 7-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	653.36	92.76
<b>26 56 13 00-0675</b>			<b>Aluminum, Wood Pole Streetlight Arms</b> (26 56 13 00-0667)		
26 56 13 00-0676	EA		1-1/4" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount.....	230.60	61.84
26 56 13 00-0677	EA		2" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount.....	285.44	61.84
26 56 13 00-0678	EA		2" Arm Diameter, 66" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount.....	381.50	77.31
26 56 13 00-0679	EA		2" Arm Diameter, 90" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount.....	500.29	92.76
<b>26 56 13 00-0680</b>			<b>Area Light Arms</b> (26 56 13 00-0666)		
<b>26 56 13 00-0681</b>			<b>Steel Area Light Arms</b> (26 56 13 00-0680)		
26 56 13 00-0682	EA		Single, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount.....	621.02	61.84
26 56 13 00-0683	EA		Two, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	969.48	68.02
26 56 13 00-0684	EA		Three, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	1,077.05	74.21
26 56 13 00-0685	EA		Four, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	1,277.85	80.39
26 56 13 00-0686	EA		Single, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount.....	741.31	77.31
26 56 13 00-0687	EA		Two, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	1,054.79	83.49
<b>26 56 13 00-0688</b>			<b>Aluminum Area Light Arms</b> (26 56 13 00-0680)		
26 56 13 00-0689	EA		Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount.....	279.32	61.84
26 56 13 00-0690	EA		Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount.....	344.62	77.31
26 56 13 00-0691	EA		Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount.....	411.82	92.76
26 56 13 00-0692	EA		Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount.....	277.41	61.84
26 56 13 00-0693	EA		Two, 4' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount.....	392.90	68.02
26 56 13 00-0694	EA		Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount.....	340.80	77.31
26 56 13 00-0695	EA		Two, 6' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount.....	479.19	83.49
26 56 13 00-0696	EA		Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount.....	413.73	92.76
26 56 13 00-0697	EA		Two, 8' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount.....	581.73	98.95
<b>26 56 13 00-0698</b>			<b>Removal And Reinstallation Of Lighting Pole</b> (26 56 13 00-0001) Note: Includes storage, cleaning and supply materials.		
26 56 13 00-0699	EA		Removal And Relocation Of Up To 45' Lighting Pole And Standards With One Or Two Arms.....	2,040.82	
<b>26 56 13 00-0700</b>			<b>High Mast Lighting</b> (26 56 13 00-0001)		
<b>26 56 13 00-0701</b>			<b>High Mast Lighting Assemblies</b> (26 56 13 00-0700) Note: Includes non-latching system, ring assembly with internal bumper, acrylic top cover, pulley supports, cast arm filter for pipe tension, transition assembly, standard head frame assembly, standard hoist, and powder coated pole. See CSI section 26 56 21 00-0001 for high mast fixtures.		
26 56 13 00-0702	EA		60' High Mast Lighting Assembly.....	46,431.62	1,879.32

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 13 00-0703	EA		70' High Mast Lighting Assembly.....	49,044.80	1,968.30
26 56 13 00-0704	EA		80' High Mast Lighting Assembly.....	51,690.59	2,096.86
26 56 13 00-0705	EA		90' High Mast Lighting Assembly.....	54,367.41	2,264.97
26 56 13 00-0706	EA		100' High Mast Lighting Assembly.....	57,061.98	2,472.57
26 56 13 00-0707	EA		110' High Mast Lighting Assembly.....	60,529.77	2,720.00
26 56 13 00-0708	EA		120' High Mast Lighting Assembly.....	63,334.86	2,967.24
26 56 13 00-0709	EA		130' High Mast Lighting Assembly.....	65,927.15	3,214.48
26 56 13 00-0710	EA		140' High Mast Lighting Assembly.....	68,732.23	3,461.84
26 56 13 00-0711	EA		150' High Mast Lighting Assembly.....	72,139.46	3,709.09

**26 56 13 00-0712 High Mast Light Poles (26 56 13 00-0700)**

26 56 13 00-0713	EA		60' High Mast Light Poles.....	17,724.02	1,128.68
26 56 13 00-0714	EA		70' High Mast Light Poles.....	20,310.48	1,182.14
26 56 13 00-0715	EA		80' High Mast Light Poles.....	22,917.64	1,259.38
26 56 13 00-0716	EA		90' High Mast Light Poles.....	25,543.97	1,360.36
26 56 13 00-0717	EA		100' High Mast Light Poles.....	28,191.02	1,485.11
26 56 13 00-0718	EA		110' High Mast Light Poles.....	30,858.80	1,633.62
26 56 13 00-0719	EA		120' High Mast Light Poles.....	32,880.29	1,782.13
26 56 13 00-0720	EA		130' High Mast Light Poles.....	32,756.76	3,302.89
26 56 13 00-0721	EA		140' High Mast Light Poles.....	36,708.91	2,079.15
26 56 13 00-0722	EA		150' High Mast Light Poles.....	38,944.77	2,227.66

**26 56 13 00-0723 High Mast Lighting Accessories (26 56 13 00-0700)**

See CSI section 26 55 13 00-0119 for lighting fixtures, 26 56 21 00-0001 for light fixtures.

26 56 13 00-0724	EA		Bottom Latching System For High Mast Lighting.....	820.31	
26 56 13 00-0725	EA		Top Latching System For High Mast Lighting.....	2,314.53	
26 56 13 00-0726	EA		Centering Springs For High Mast Lighting.....	1,752.84	
26 56 13 00-0727	EA		Electric Power Cord For High Mast Lighting.....	738.75	
26 56 13 00-0728	EA		Aircraft Warning Lights For High Mast Lighting.....	1,370.40	
26 56 13 00-0729	EA		Internal Motorized Hoist For High Mast Lighting.....	14,910.93	
26 56 13 00-0730	EA		Portable Hoist Motor With Step Down Transformer For High Mast Lighting.....	15,002.69	

**26 56 13 00-0731 Concrete Bases (26 56 13 00-0001)**

**26 56 13 00-0732 Concrete Bases, Cast In Place (26 56 13 00-0731)**

Note: Includes excavation/drilling, concrete, reinforcement, forms for exposed base, anchors/supports and backfill. Excludes conduit.

26 56 13 00-0733	EA		Cast In Place Concrete Base For Poles Minimum Charge.....	329.40	
Note: For projects where the cast in place concrete base for poles charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.					
26 56 13 00-0734	VLF		1-1/2' Diameter Concrete Base For Poles.....	47.21	
26 56 13 00-0735	VLF		2' Diameter Concrete Base For Poles.....	72.31	
26 56 13 00-0736	VLF		2-1/2' Diameter Concrete Base For Poles.....	103.15	
26 56 13 00-0737	VLF		3' Diameter Concrete Base For Poles.....	140.69	
26 56 13 00-0738	VLF		3-1/2' Diameter Concrete Base For Poles.....	188.75	
26 56 13 00-0739	VLF		4' Diameter Concrete Base For Poles.....	239.99	
26 56 13 00-0740	VLF		5' Diameter Concrete Base For Poles.....	353.94	
26 56 13 00-0741	VLF		6' Diameter Concrete Base For Poles.....	491.29	

**26 56 18 Incandescent Exterior Lighting (26 56)**

**26 56 18 00-0001 Exterior Globe (26 56 18)**

**26 56 18 00-0002 Incandescent, Exterior Globe (26 56 18 00-0001)**

26 56 18 00-0003	EA		100 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture.....	53.76	19.80
26 56 18 00-0004	EA		150 To 200 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture.....	82.42	19.80
26 56 18 00-0005	EA		100 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture.....	63.09	19.80
26 56 18 00-0006	EA		150 To 200 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture.....	86.01	19.80

**26 56 18 00-0007 Compact Fluorescent And Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures (26 56 18)**

Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.

26 56 18 00-0008	EA		7 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	206.90	79.20
26 56 18 00-0009	EA		9 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	216.84	84.16
26 56 18 00-0010	EA		13 Or 14 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	235.97	89.10
26 56 18 00-0011	EA		75 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	240.01	99.00
26 56 18 00-0012	EA		100 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	271.22	113.85

**26 56 19 LED Exterior Lighting (26 56)**

**26 56 19 00-0001 LED, Wall Packs (26 56 19)**

**26 56 19 00-0002 Full Cutoff, LED Wall Packs (26 56 19 00-0001)**

**26 56 19 00-0003 Full Cutoff, LED Wall Packs (Lithonia) (26 56 19 00-0002)**

26 56 19 00-0004	EA		30 LEDs, 57 Watt, 530 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED).....	881.03	107.76
			For >50 To 100, Deduct	-44.05	
			For >100 To 250, Deduct	-66.08	
			For >250 To 500, Deduct	-104.74	
			For >500 To 1000, Deduct	-143.40	
			For >1000, Deduct	-182.07	

**26 Electrical**

**26 50 Lighting**

**26 56 Exterior Lighting**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 56 19 00-0005	EA 30 LEDs, 35 Watt, 350 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED).....	953.27	107.76
	<i>For &gt;50 To 100, Deduct</i>	-47.66	
	<i>For &gt;100 To 250, Deduct</i>	-71.50	
	<i>For &gt;250 To 500, Deduct</i>	-113.77	
	<i>For &gt;500 To 1000, Deduct</i>	-156.05	
	<i>For &gt;1000, Deduct</i>	-198.32	
26 56 19 00-0006	Full Cutoff, LED Wall Packs (CREE® BetaLED®) <small>(26 56 19 00-0002)</small>		
26 56 19 00-0007	Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® Edge® SEC-EDG) <small>(26 56 19 00-0006)</small>		
	Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0008	EA 20 LEDs, 26 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	817.57	104.68
	Note: Includes 350mA or 525mA driver.		
	<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78	
	<i>For Bird Spikes, Add</i>	42.20	
	<i>For Fuse, Add</i>	50.37	
	<i>For 0 To 10 Volt Dimming, Add</i>	50.37	
	<i>For 480 Volt, Add</i>	75.56	
	<i>For Multi-Level, Add</i>	109.13	
	<i>For &gt;50 To 100, Deduct</i>	-40.88	
	<i>For &gt;100 To 250, Deduct</i>	-61.32	
	<i>For &gt;250 To 500, Deduct</i>	-96.96	
	<i>For &gt;500 To 1000, Deduct</i>	-132.61	
	<i>For &gt;1000, Deduct</i>	-168.25	
26 56 19 00-0009	EA 40 LEDs, 47 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	1,050.26	110.84
	Note: Includes 350mA or 525mA driver.		
	<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78	
	<i>For Bird Spikes, Add</i>	42.81	
	<i>For Fuse, Add</i>	50.37	
	<i>For 0 To 10 Volt Dimming, Add</i>	50.37	
	<i>For 480 Volt, Add</i>	75.56	
	<i>For Multi-Level, Add</i>	109.13	
	<i>For &gt;50 To 100, Deduct</i>	-52.51	
	<i>For &gt;100 To 250, Deduct</i>	-78.77	
	<i>For &gt;250 To 500, Deduct</i>	-125.74	
	<i>For &gt;500 To 1000, Deduct</i>	-172.71	
	<i>For &gt;1000, Deduct</i>	-219.68	
26 56 19 00-0010	EA 60 LEDs, 68 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	1,176.41	116.99
	Note: Includes 350mA or 525mA driver.		
	<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78	
	<i>For Bird Spikes, Add</i>	43.43	
	<i>For Fuse, Add</i>	50.37	
	<i>For 0 To 10 Volt Dimming, Add</i>	50.37	
	<i>For 480 Volt, Add</i>	75.56	
	<i>For Multi-Level, Add</i>	109.13	
	<i>For &gt;50 To 100, Deduct</i>	-58.82	
	<i>For &gt;100 To 250, Deduct</i>	-88.23	
	<i>For &gt;250 To 500, Deduct</i>	-141.20	
	<i>For &gt;500 To 1000, Deduct</i>	-194.17	
	<i>For &gt;1000, Deduct</i>	-247.14	
26 56 19 00-0011	EA 80 LEDs, 90 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	1,515.63	123.16
	Note: Includes 350mA or 525mA driver.		
	<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78	
	<i>For Bird Spikes, Add</i>	44.05	
	<i>For Fuse, Add</i>	50.37	
	<i>For 0 To 10 Volt Dimming, Add</i>	50.37	
	<i>For 480 Volt, Add</i>	75.56	
	<i>For Multi-Level, Add</i>	109.13	
	<i>For &gt;50 To 100, Deduct</i>	-75.78	
	<i>For &gt;100 To 250, Deduct</i>	-113.67	
	<i>For &gt;250 To 500, Deduct</i>	-183.30	
	<i>For &gt;500 To 1000, Deduct</i>	-252.92	
	<i>For &gt;1000, Deduct</i>	-322.54	
26 56 19 00-0012	EA 100 LEDs, 111 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	1,748.32	129.31
	<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78	
	<i>For Bird Spikes, Add</i>	44.66	
	<i>For Fuse, Add</i>	50.37	
	<i>For 0 To 10 Volt Dimming, Add</i>	50.37	
	<i>For 480 Volt, Add</i>	75.56	
	<i>For Multi-Level, Add</i>	109.13	
	<i>For &gt;50 To 100, Deduct</i>	-87.42	
	<i>For &gt;100 To 250, Deduct</i>	-131.12	
	<i>For &gt;250 To 500, Deduct</i>	-212.07	
	<i>For &gt;500 To 1000, Deduct</i>	-293.03	
	<i>For &gt;1000, Deduct</i>	-373.98	
26 56 19 00-0013	EA 120 LEDs, 132 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	1,981.00	135.47
	<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78	
	<i>For Bird Spikes, Add</i>	45.28	
	<i>For Fuse, Add</i>	50.37	
	<i>For 0 To 10 Volt Dimming, Add</i>	50.37	
	<i>For 480 Volt, Add</i>	75.56	
	<i>For Multi-Level, Add</i>	109.13	
	<i>For &gt;50 To 100, Deduct</i>	-99.05	
	<i>For &gt;100 To 250, Deduct</i>	-148.58	
	<i>For &gt;250 To 500, Deduct</i>	-240.85	
	<i>For &gt;500 To 1000, Deduct</i>	-333.13	
	<i>For &gt;1000, Deduct</i>	-425.41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 19 00-0014			<b>Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® XSPW™)</b> <small>(26 56 19 00-0006)</small> Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, Class 2 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0015	EA		25 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™) .....	490.33	104.68
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.78	
			For 0 To 10 Volt Dimming, Add	50.37	
			For Multi-Level, Add	50.37	
			For >50 To 100, Deduct	-24.52	
			For >100 To 250, Deduct	-36.77	
			For >250 To 500, Deduct	-56.06	
			For >500 To 1000, Deduct	-75.34	
			For >1000, Deduct	-94.62	
26 56 19 00-0016	EA		42 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™) .....	568.20	110.84
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.78	
			For 0 To 10 Volt Dimming, Add	50.37	
			For Multi-Level, Add	50.37	
			For >50 To 100, Deduct	-28.41	
			For >100 To 250, Deduct	-42.62	
			For >250 To 500, Deduct	-65.48	
			For >500 To 1000, Deduct	-88.35	
			For >1000, Deduct	-111.22	
26 56 19 00-0017			<b>Open Face LED Wall Pack</b> <small>(26 56 19 00-0001)</small> Note: Heavy-duty cast aluminum housing is polyester powder coated to be rust and corrosion proof, High-quality shatter-resistant glass		
26 56 19 00-0018	EA		3,640 Lumens, 28 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP28U-50B-MS) .....	635.19	108.38
			For >50 To 100, Deduct	-31.76	
			For >100 To 250, Deduct	-47.64	
			For >250 To 500, Deduct	-71.27	
			For >500 To 1000, Deduct	-94.90	
			For >1000, Deduct	-118.53	
26 56 19 00-0019	EA		5,540 Lumens, 40 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP40U-50B-MS) .....	681.07	108.38
			For >50 To 100, Deduct	-34.05	
			For >100 To 250, Deduct	-51.08	
			For >250 To 500, Deduct	-77.01	
			For >500 To 1000, Deduct	-102.93	
			For >1000, Deduct	-128.86	
26 56 19 00-0020	EA		7,065 Lumens, 50 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP50U-50B-MS) .....	705.09	108.38
			For >50 To 100, Deduct	-35.25	
			For >100 To 250, Deduct	-52.88	
			For >250 To 500, Deduct	-80.01	
			For >500 To 1000, Deduct	-107.13	
			For >1000, Deduct	-134.26	
26 56 19 00-0021	EA		11,375 Lumens, 80 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP80U-50B-MS) .....	724.58	108.38
			For >50 To 100, Deduct	-36.23	
			For >100 To 250, Deduct	-54.34	
			For >250 To 500, Deduct	-82.44	
			For >500 To 1000, Deduct	-110.55	
			For >1000, Deduct	-138.65	
26 56 19 00-0022	EA		16,945 Lumens, 120 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP120U-50B-MS) .....	870.72	108.38
			For >50 To 100, Deduct	-43.54	
			For >100 To 250, Deduct	-65.30	
			For >250 To 500, Deduct	-100.71	
			For >500 To 1000, Deduct	-136.12	
			For >1000, Deduct	-171.53	
26 56 19 00-0023			<b>Wall Pack Accessories</b> <small>(26 56 19 00-0001)</small>		
26 56 19 00-0024	EA		Photocell For Wall Pack .....	117.24	27.10
26 56 19 00-0025	EA		Wire Guard For Mini And Small Wall Pack .....	130.42	27.10
26 56 19 00-0026	EA		Wire Guard For Medium And Large Wall Pack .....	185.54	27.10
26 56 19 00-0027	EA		Clear Polycarbonate Vandal Guard For Wall Packs .....	265.09	27.10
26 56 19 00-0028	EA		Full Cutoff Visor For Wall Pack .....	126.82	27.10
26 56 19 00-0029			<b>LED, Roadway Lighting</b> <small>(26 56 19)</small>		
26 56 19 00-0030			<b>LED Roadway Lighting (Philips Lumec)</b> <small>(26 56 19 00-0029)</small>		
26 56 19 00-0031			<b>Horizontal Tenon Mount, LED Cobra Head Street Lights (Philips Lumec GPL Series)</b> <small>(26 56 19 00-0030)</small> Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 570mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0032	EA		49 LEDs, 102 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLS Series) .....	1,332.01	148.09
			For >50 To 100, Deduct	-66.60	
			For >100 To 250, Deduct	-99.90	
			For >250 To 500, Deduct	-159.10	
			For >500 To 1000, Deduct	-218.29	
			For >1000, Deduct	-277.49	
26 56 19 00-0033	EA		98 LEDs, 204 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLM Series) .....	2,071.57	152.09
			For >50 To 100, Deduct	-103.58	
			For >100 To 250, Deduct	-155.37	
			For >250 To 500, Deduct	-251.34	
			For >500 To 1000, Deduct	-347.32	
			For >1000, Deduct	-443.29	

**26 Electrical**

**26 50 Lighting**

**26 56 Exterior Lighting**



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 56 19 00-0034	Horizontal Tenon Mount, LED Cobra Head Street Lights (Philips Lumec RFM Series) <small>(26 56 19 00-0030)</small> Note: UL wet listed. Includes 3,000 to 4,000K color temperature, 120-277 voltage, up to 1050mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0035	EA 48 LEDs, 55 Watt, Type III Medium, 120-277 Volt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec RFM Series).....	973.97	148.09
	For >50 To 100, Deduct	-48.70	
	For >100 To 250, Deduct	-73.05	
	For >250 To 500, Deduct	-114.34	
	For >500 To 1000, Deduct	-155.64	
	For >1000, Deduct	-196.93	
26 56 19 00-0036	EA 48 LEDs, 80 Watt, Type III Medium, 120-277 Volt, RoadFocus Roadway, LED Cobra Head Luminaire (Philips Lumec RFM Series).....	973.97	148.09
	For >50 To 100, Deduct	-48.70	
	For >100 To 250, Deduct	-73.05	
	For >250 To 500, Deduct	-114.34	
	For >500 To 1000, Deduct	-155.64	
	For >1000, Deduct	-196.93	
26 56 19 00-0037	EA 48 LEDs, 108 Watt, Type III Medium, 120-277 Volt, RoadFocus Roadway, LED Cobra Head Luminaire (Philips Lumec RFM Series).....	973.97	148.09
	For >50 To 100, Deduct	-48.70	
	For >100 To 250, Deduct	-73.05	
	For >250 To 500, Deduct	-114.34	
	For >500 To 1000, Deduct	-155.64	
	For >1000, Deduct	-196.93	
26 56 19 00-0038	LED Roadway Lighting (Lithonia) <small>(26 56 19 00-0029)</small>		
26 56 19 00-0039	Horizontal Tenon Mount, LED Cobra Head Street Lights (Lithonia CSX1 Series) <small>(26 56 19 00-0038)</small> Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 700mA driver, die-cast extruded aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 19 00-0040	EA 30 LEDs, 74 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series).....	1,927.88	140.09
	For >50 To 100, Deduct	-96.39	
	For >100 To 250, Deduct	-144.59	
	For >250 To 500, Deduct	-233.98	
	For >500 To 1000, Deduct	-323.37	
	For >1000, Deduct	-412.76	
26 56 19 00-0041	EA 60 LEDs, 146 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series).....	3,178.88	144.09
	For >50 To 100, Deduct	-158.94	
	For >100 To 250, Deduct	-238.42	
	For >250 To 500, Deduct	-390.16	
	For >500 To 1000, Deduct	-541.90	
	For >1000, Deduct	-693.63	
26 56 19 00-0042	LED Roadway Lighting (CREE® BetaLED®) <small>(26 56 19 00-0029)</small>		
26 56 19 00-0043	Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® LEDway® STR-LWY) <small>(26 56 19 00-0042)</small> Note: UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type II Medium, Type II Short or Type III Medium optic. Excludes sensors.		
26 56 19 00-0044	EA 20 LEDs, 25 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	759.03	136.09
	For >50 To 100, Deduct	-37.95	
	For >100 To 250, Deduct	-56.93	
	For >250 To 500, Deduct	-88.07	
	For >500 To 1000, Deduct	-119.22	
	For >1000, Deduct	-150.37	
26 56 19 00-0045	EA 30 LEDs, 35 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	849.61	140.09
	For >50 To 100, Deduct	-42.48	
	For >100 To 250, Deduct	-63.72	
	For >250 To 500, Deduct	-99.20	
	For >500 To 1000, Deduct	-134.67	
	For >1000, Deduct	-170.15	
26 56 19 00-0046	EA 40 LEDs, 45 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	958.69	144.09
	For >50 To 100, Deduct	-47.93	
	For >100 To 250, Deduct	-71.90	
	For >250 To 500, Deduct	-112.63	
	For >500 To 1000, Deduct	-153.36	
	For >1000, Deduct	-194.09	
26 56 19 00-0047	EA 50 LEDs, 55 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,050.68	148.09
	For >50 To 100, Deduct	-52.53	
	For >100 To 250, Deduct	-78.80	
	For >250 To 500, Deduct	-123.93	
	For >500 To 1000, Deduct	-169.06	
	For >1000, Deduct	-214.19	
26 56 19 00-0048	EA 60 LEDs, 65 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,142.68	152.09
	For >50 To 100, Deduct	-57.13	
	For >100 To 250, Deduct	-85.70	
	For >250 To 500, Deduct	-135.23	
	For >500 To 1000, Deduct	-184.76	
	For >1000, Deduct	-234.29	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 19 00-0049	EA	70 LEDs, 75 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY) .....	1,359.95	156.10
		<i>For &gt;50 To 100, Deduct</i>	-68.00	
		<i>For &gt;100 To 250, Deduct</i>	-102.00	
		<i>For &gt;250 To 500, Deduct</i>	-162.19	
		<i>For &gt;500 To 1000, Deduct</i>	-222.38	
		<i>For &gt;1000, Deduct</i>	-282.57	
26 56 19 00-0050	EA	80 LEDs, 86 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY) .....	1,451.94	160.10
		<i>For &gt;50 To 100, Deduct</i>	-72.60	
		<i>For &gt;100 To 250, Deduct</i>	-108.90	
		<i>For &gt;250 To 500, Deduct</i>	-173.49	
		<i>For &gt;500 To 1000, Deduct</i>	-238.08	
		<i>For &gt;1000, Deduct</i>	-302.67	
26 56 19 00-0051	EA	90 LEDs, 96 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY) .....	1,542.52	164.10
		<i>For &gt;50 To 100, Deduct</i>	-77.13	
		<i>For &gt;100 To 250, Deduct</i>	-115.69	
		<i>For &gt;250 To 500, Deduct</i>	-184.61	
		<i>For &gt;500 To 1000, Deduct</i>	-253.53	
		<i>For &gt;1000, Deduct</i>	-322.45	
26 56 19 00-0052	EA	100 LEDs, 111 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY) .....	1,718.51	168.10
		<i>For &gt;50 To 100, Deduct</i>	-85.93	
		<i>For &gt;100 To 250, Deduct</i>	-128.89	
		<i>For &gt;250 To 500, Deduct</i>	-206.41	
		<i>For &gt;500 To 1000, Deduct</i>	-283.93	
		<i>For &gt;1000, Deduct</i>	-361.45	
26 56 19 00-0053	EA	110 LEDs, 122 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY) .....	1,810.51	172.10
		<i>For &gt;50 To 100, Deduct</i>	-90.53	
		<i>For &gt;100 To 250, Deduct</i>	-135.79	
		<i>For &gt;250 To 500, Deduct</i>	-217.71	
		<i>For &gt;500 To 1000, Deduct</i>	-299.63	
		<i>For &gt;1000, Deduct</i>	-381.55	
26 56 19 00-0054	EA	120 LEDs, 133 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY) .....	1,902.50	176.11
		<i>For &gt;50 To 100, Deduct</i>	-95.13	
		<i>For &gt;100 To 250, Deduct</i>	-142.69	
		<i>For &gt;250 To 500, Deduct</i>	-229.01	
		<i>For &gt;500 To 1000, Deduct</i>	-315.33	
		<i>For &gt;1000, Deduct</i>	-401.65	

**26 56 19 00-0055 Surface Mount, LED Transportation Fixtures (CREE® BetaLED® Edge® TSP-EDG)**

(26 56 19 00-0042)

Note: Direct, cantenary or pendant mount. UL wet listed. Includes 5.700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0056	EA	40 LEDs, 47 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	1,478.30	144.09
		<i>For Multi-Level Drive Currents, Add</i>	199.30	
		<i>For &gt;50 To 100, Deduct</i>	-73.92	
		<i>For &gt;100 To 250, Deduct</i>	-110.87	
		<i>For &gt;250 To 500, Deduct</i>	-177.58	
		<i>For &gt;500 To 1000, Deduct</i>	-244.29	
		<i>For &gt;1000, Deduct</i>	-311.00	
26 56 19 00-0057	EA	60 LEDs, 68 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	1,703.58	152.09
		<i>For Multi-Level Drive Currents, Add</i>	199.30	
		<i>For &gt;50 To 100, Deduct</i>	-85.18	
		<i>For &gt;100 To 250, Deduct</i>	-127.77	
		<i>For &gt;250 To 500, Deduct</i>	-205.34	
		<i>For &gt;500 To 1000, Deduct</i>	-282.92	
		<i>For &gt;1000, Deduct</i>	-360.49	
26 56 19 00-0058	EA	80 LEDs, 90 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	1,928.85	160.10
		<i>For Multi-Level Drive Currents, Add</i>	199.30	
		<i>For &gt;50 To 100, Deduct</i>	-96.44	
		<i>For &gt;100 To 250, Deduct</i>	-144.66	
		<i>For &gt;250 To 500, Deduct</i>	-233.10	
		<i>For &gt;500 To 1000, Deduct</i>	-321.54	
		<i>For &gt;1000, Deduct</i>	-409.98	
26 56 19 00-0059	EA	100 LEDs, 111 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	2,154.12	168.10
		<i>For Multi-Level Drive Currents, Add</i>	199.30	
		<i>For &gt;50 To 100, Deduct</i>	-107.71	
		<i>For &gt;100 To 250, Deduct</i>	-161.56	
		<i>For &gt;250 To 500, Deduct</i>	-260.86	
		<i>For &gt;500 To 1000, Deduct</i>	-360.16	
		<i>For &gt;1000, Deduct</i>	-459.46	
26 56 19 00-0060	EA	120 LEDs, 132 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	2,823.56	176.11
		<i>For Multi-Level Drive Currents, Add</i>	199.30	
		<i>For &gt;50 To 100, Deduct</i>	-141.18	
		<i>For &gt;100 To 250, Deduct</i>	-211.77	
		<i>For &gt;250 To 500, Deduct</i>	-344.14	
		<i>For &gt;500 To 1000, Deduct</i>	-476.51	
		<i>For &gt;1000, Deduct</i>	-608.89	
26 56 19 00-0061	EA	140 LEDs, 157 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	3,048.85	184.11
		<i>For Multi-Level Drive Currents, Add</i>	199.30	
		<i>For &gt;50 To 100, Deduct</i>	-152.44	
		<i>For &gt;100 To 250, Deduct</i>	-228.66	
		<i>For &gt;250 To 500, Deduct</i>	-371.90	
		<i>For &gt;500 To 1000, Deduct</i>	-515.14	
		<i>For &gt;1000, Deduct</i>	-658.37	

**26 Electrical**

**26 50 Lighting**

**26 56 Exterior Lighting**



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 56 19 00-0062	EA	160 LEDs, 179 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	3,274.13	192.11
		<i>For Multi-Level Drive Currents, Add</i>	199.30	
		<i>For &gt;50 To 100, Deduct</i>	-163.71	
		<i>For &gt;100 To 250, Deduct</i>	-245.56	
		<i>For &gt;250 To 500, Deduct</i>	-399.66	
		<i>For &gt;500 To 1000, Deduct</i>	-553.76	
		<i>For &gt;1000, Deduct</i>	-707.86	
<b>26 56 19 00-0063 Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE®</b>				
<b>BetaLED® XSP) (26 56 19 00-0042)</b>				
Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.				
26 56 19 00-0064	EA	4,806 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A).....	639.01	144.09
		<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78	
		<i>For Backlight Control Shield, Add</i>	30.28	
		<i>For Field Adjustable Output, Add</i>	25.19	
		<i>For Bird Spikes, Add</i>	46.14	
		<i>For Field Adjustable Output And Utility Label, Add</i>	33.58	
		<i>For Fuse, Add</i>	50.37	
		<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	50.37	
		<i>For 480 Volt, Add</i>	75.56	
		<i>For Multi-Level, Add</i>	109.13	
		<i>For &gt;50 To 100, Deduct</i>	-31.95	
		<i>For &gt;100 To 250, Deduct</i>	-47.93	
		<i>For &gt;250 To 500, Deduct</i>	-72.67	
		<i>For &gt;500 To 1000, Deduct</i>	-97.42	
		<i>For &gt;1000, Deduct</i>	-122.16	
26 56 19 00-0065	EA	5,340 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A).....	639.01	144.09
		<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78	
		<i>For Backlight Control Shield, Add</i>	30.28	
		<i>For Field Adjustable Output, Add</i>	25.19	
		<i>For Bird Spikes, Add</i>	46.14	
		<i>For Field Adjustable Output And Utility Label, Add</i>	33.58	
		<i>For Fuse, Add</i>	50.37	
		<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	50.37	
		<i>For 480 Volt, Add</i>	75.56	
		<i>For Multi-Level, Add</i>	109.13	
		<i>For &gt;50 To 100, Deduct</i>	-31.95	
		<i>For &gt;100 To 250, Deduct</i>	-47.93	
		<i>For &gt;250 To 500, Deduct</i>	-72.67	
		<i>For &gt;500 To 1000, Deduct</i>	-97.42	
		<i>For &gt;1000, Deduct</i>	-122.16	
26 56 19 00-0066	EA	8,407 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E).....	702.47	144.09
		<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78	
		<i>For Backlight Control Shield, Add</i>	30.28	
		<i>For Field Adjustable Output, Add</i>	25.19	
		<i>For Bird Spikes, Add</i>	46.14	
		<i>For Field Adjustable Output And Utility Label, Add</i>	33.58	
		<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	50.37	
		<i>For 480 Volt, Add</i>	75.56	
		<i>For &gt;50 To 100, Deduct</i>	-35.12	
		<i>For &gt;100 To 250, Deduct</i>	-52.69	
		<i>For &gt;250 To 500, Deduct</i>	-80.60	
		<i>For &gt;500 To 1000, Deduct</i>	-108.52	
		<i>For &gt;1000, Deduct</i>	-136.44	
26 56 19 00-0067	EA	8,820 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E).....	702.47	144.09
		<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78	
		<i>For Backlight Control Shield, Add</i>	30.28	
		<i>For Field Adjustable Output, Add</i>	25.19	
		<i>For Bird Spikes, Add</i>	46.14	
		<i>For Field Adjustable Output And Utility Label, Add</i>	33.58	
		<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	50.37	
		<i>For 480 Volt, Add</i>	75.56	
		<i>For &gt;50 To 100, Deduct</i>	-35.12	
		<i>For &gt;100 To 250, Deduct</i>	-52.69	
		<i>For &gt;250 To 500, Deduct</i>	-80.60	
		<i>For &gt;500 To 1000, Deduct</i>	-108.52	
		<i>For &gt;1000, Deduct</i>	-136.44	
26 56 19 00-0068	EA	9,612 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B).....	815.29	144.09
		<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78	
		<i>For Field Adjustable Output, Add</i>	25.19	
		<i>For Backlight Control Shield, Add</i>	42.61	
		<i>For Field Adjustable Output And Utility Label, Add</i>	33.58	
		<i>For Fuse, Add</i>	50.37	
		<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	50.37	
		<i>For Bird Spikes, Add</i>	74.36	
		<i>For 480 Volt, Add</i>	75.56	
		<i>For Multi-Level, Add</i>	109.13	
		<i>For &gt;50 To 100, Deduct</i>	-40.76	
		<i>For &gt;100 To 250, Deduct</i>	-61.15	
		<i>For &gt;250 To 500, Deduct</i>	-94.71	
		<i>For &gt;500 To 1000, Deduct</i>	-128.27	
		<i>For &gt;1000, Deduct</i>	-161.83	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0069	EA		10,680 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B) .....	815.29	144.09
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.78	
			For Field Adjustable Output, Add	25.19	
			For Backlight Control Shield, Add	42.61	
			For Field Adjustable Output And Utility Label, Add	33.58	
			For Fuse, Add	50.37	
			For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	50.37	
			For Bird Spikes, Add	74.36	
			For 480 Volt, Add	75.56	
			For Multi-Level, Add	109.13	
			For >50 To 100, Deduct	-40.76	
			For >100 To 250, Deduct	-61.15	
			For >250 To 500, Deduct	-94.71	
			For >500 To 1000, Deduct	-128.27	
			For >1000, Deduct	-161.83	
26 56 19 00-0070	EA		13,732 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F).....	921.08	144.09
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.78	
			For Field Adjustable Output, Add	25.19	
			For Backlight Control Shield, Add	42.61	
			For Field Adjustable Output And Utility Label, Add	33.58	
			For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	50.37	
			For Bird Spikes, Add	74.36	
			For 480 Volt, Add	75.56	
			For >50 To 100, Deduct	-46.05	
			For >100 To 250, Deduct	-69.08	
			For >250 To 500, Deduct	-107.93	
			For >500 To 1000, Deduct	-146.78	
			For >1000, Deduct	-185.63	
26 56 19 00-0071	EA		14,408 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F).....	921.08	144.09
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.78	
			For Field Adjustable Output, Add	25.19	
			For Backlight Control Shield, Add	42.61	
			For Field Adjustable Output And Utility Label, Add	33.58	
			For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	50.37	
			For Bird Spikes, Add	74.36	
			For 480 Volt, Add	75.56	
			For >50 To 100, Deduct	-46.05	
			For >100 To 250, Deduct	-69.08	
			For >250 To 500, Deduct	-107.93	
			For >500 To 1000, Deduct	-146.78	
			For >1000, Deduct	-185.63	
26 56 19 00-0072	EA		2,529 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G) .....	526.18	144.09
			For Utility Label, Add	8.39	
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.78	
			For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	25.19	
			For 0 To 10 Volt Dimming, Add	50.37	
			For >50 To 100, Deduct	-26.31	
			For >100 To 250, Deduct	-39.46	
			For >250 To 500, Deduct	-58.57	
			For >500 To 1000, Deduct	-77.67	
			For >1000, Deduct	-96.78	
26 56 19 00-0073	EA		2,722 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G).....	526.18	144.09
			For Utility Label, Add	8.39	
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.78	
			For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	25.19	
			For 0 To 10 Volt Dimming, Add	50.37	
			For >50 To 100, Deduct	-26.31	
			For >100 To 250, Deduct	-39.46	
			For >250 To 500, Deduct	-58.57	
			For >500 To 1000, Deduct	-77.67	
			For >1000, Deduct	-96.78	
26 56 19 00-0074	EA		3,819 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™BXSPR-A-O-X-X-C).....	552.63	144.09
			For Utility Label, Add	8.39	
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.78	
			For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	25.19	
			For 0 To 10 Volt Dimming, Add	50.37	
			For >50 To 100, Deduct	-27.63	
			For >100 To 250, Deduct	-41.45	
			For >250 To 500, Deduct	-61.87	
			For >500 To 1000, Deduct	-82.30	
			For >1000, Deduct	-102.73	
26 56 19 00-0075	EA		4,109 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™BXSPR-A-O-X-X-C).....	552.63	144.09
			For Utility Label, Add	8.39	
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.78	
			For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	25.19	
			For 0 To 10 Volt Dimming, Add	50.37	
			For >50 To 100, Deduct	-27.63	
			For >100 To 250, Deduct	-41.45	
			For >250 To 500, Deduct	-61.87	
			For >500 To 1000, Deduct	-82.30	
			For >1000, Deduct	-102.73	

**26 Electrical****26 50 Lighting****26 56 Exterior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0076	EA		4,548 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A).....	561.44	144.09
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78	
			<i>For Field Adjustable Output, Add</i>	25.19	
			<i>For Field Adjustable Output And Utility Label, Add</i>	33.58	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	50.37	
			<i>For 0 To 10 Volt Dimming, Add</i>	50.37	
			<i>For &gt;50 To 100, Deduct</i>	-28.07	
			<i>For &gt;100 To 250, Deduct</i>	-42.11	
			<i>For &gt;250 To 500, Deduct</i>	-62.98	
			<i>For &gt;500 To 1000, Deduct</i>	-83.84	
			<i>For &gt;1000, Deduct</i>	-104.71	
26 56 19 00-0077	EA		4,627 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A).....	561.44	144.09
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78	
			<i>For Field Adjustable Output, Add</i>	25.19	
			<i>For Field Adjustable Output And Utility Label, Add</i>	33.58	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	50.37	
			<i>For 0 To 10 Volt Dimming, Add</i>	50.37	
			<i>For &gt;50 To 100, Deduct</i>	-28.07	
			<i>For &gt;100 To 250, Deduct</i>	-42.11	
			<i>For &gt;250 To 500, Deduct</i>	-62.98	
			<i>For &gt;500 To 1000, Deduct</i>	-83.84	
			<i>For &gt;1000, Deduct</i>	-104.71	
26 56 19 00-0078			<b>Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® RSW™)</b> <small>(26 56 19 00-0042)</small> Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and gray powder coat finish. Includes utility label and NEMA® photocell receptacle. Excludes sensors.		
26 56 19 00-0079	EA		3,300 Lumens, 3000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-30K-UL-GY-N).....	543.81	144.09
			<i>For Field Adjustable Output, Add</i>	25.19	
			<i>For Backlight Control Shield, Add</i>	56.39	
			<i>For Bird Spikes, Add</i>	74.85	
			<i>For &gt;50 To 100, Deduct</i>	-27.19	
			<i>For &gt;100 To 250, Deduct</i>	-40.79	
			<i>For &gt;250 To 500, Deduct</i>	-60.77	
			<i>For &gt;500 To 1000, Deduct</i>	-80.76	
			<i>For &gt;1000, Deduct</i>	-100.74	
26 56 19 00-0080	EA		3,300 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-40K-UL-GY-N).....	543.81	144.09
			<i>For Field Adjustable Output, Add</i>	25.19	
			<i>For Backlight Control Shield, Add</i>	56.39	
			<i>For Bird Spikes, Add</i>	74.85	
			<i>For &gt;50 To 100, Deduct</i>	-27.19	
			<i>For &gt;100 To 250, Deduct</i>	-40.79	
			<i>For &gt;250 To 500, Deduct</i>	-60.77	
			<i>For &gt;500 To 1000, Deduct</i>	-80.76	
			<i>For &gt;1000, Deduct</i>	-100.74	
26 56 19 00-0081	EA		5,000 Lumens, 3000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-30K-UL-GY-N).....	561.44	144.09
			<i>For Field Adjustable Output, Add</i>	25.19	
			<i>For Backlight Control Shield, Add</i>	56.39	
			<i>For Bird Spikes, Add</i>	74.85	
			<i>For &gt;50 To 100, Deduct</i>	-28.07	
			<i>For &gt;100 To 250, Deduct</i>	-42.11	
			<i>For &gt;250 To 500, Deduct</i>	-62.98	
			<i>For &gt;500 To 1000, Deduct</i>	-83.84	
			<i>For &gt;1000, Deduct</i>	-104.71	
26 56 19 00-0082	EA		5,000 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-40K-UL-GY-N).....	561.44	144.09
			<i>For Field Adjustable Output, Add</i>	25.19	
			<i>For Backlight Control Shield, Add</i>	56.39	
			<i>For Bird Spikes, Add</i>	74.85	
			<i>For &gt;50 To 100, Deduct</i>	-28.07	
			<i>For &gt;100 To 250, Deduct</i>	-42.11	
			<i>For &gt;250 To 500, Deduct</i>	-62.98	
			<i>For &gt;500 To 1000, Deduct</i>	-83.84	
			<i>For &gt;1000, Deduct</i>	-104.71	
26 56 19 00-0083			<b>LED Roadway Lighting (Cooper Lighting)</b> <small>(26 56 19 00-0029)</small>		
26 56 19 00-0084			<b>Horizontal Tenon Mount, LED Roadway Fixtures (Cooper Lighting Streetworks NVN™)</b> <small>(26 56 19 00-0083)</small> Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0085	EA		1 LED Light Square, 51 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	854.79	144.09
			<i>For &gt;50 To 100, Deduct</i>	-42.74	
			<i>For &gt;100 To 250, Deduct</i>	-64.11	
			<i>For &gt;250 To 500, Deduct</i>	-99.64	
			<i>For &gt;500 To 1000, Deduct</i>	-135.18	
			<i>For &gt;1000, Deduct</i>	-170.71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 19 00-0086	EA		2 LED Light Squares, 103 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	1,155.08	160.10
			For >50 To 100, Deduct	-57.75	
			For >100 To 250, Deduct	-86.63	
			For >250 To 500, Deduct	-136.38	
			For >500 To 1000, Deduct	-186.13	
			For >1000, Deduct	-235.88	
26 56 19 00-0087	EA		3 LED Light Squares, 154 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	1,240.23	184.11
			For >50 To 100, Deduct	-62.01	
			For >100 To 250, Deduct	-93.02	
			For >250 To 500, Deduct	-145.82	
			For >500 To 1000, Deduct	-198.63	
			For >1000, Deduct	-251.43	
26 56 19 00-0088	EA		4 LED Light Squares, 206 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	1,837.99	200.12
			For >50 To 100, Deduct	-91.90	
			For >100 To 250, Deduct	-137.85	
			For >250 To 500, Deduct	-219.74	
			For >500 To 1000, Deduct	-301.64	
			For >1000, Deduct	-383.53	
26 56 19 00-0089	EA		6 LED Light Squares, 309 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	2,407.18	227.84
			For >50 To 100, Deduct	-120.36	
			For >100 To 250, Deduct	-180.54	
			For >250 To 500, Deduct	-289.51	
			For >500 To 1000, Deduct	-398.47	
			For >1000, Deduct	-507.44	
26 56 19 00-0090			LED Roadway Lighting (PlanLED) <small>(26 56 19 00-0029)</small>		
26 56 19 00-0091			Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera HERA) <small>(26 56 19 00-0090)</small>		
			Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0092	EA		8,500 Lumens, 85 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 85W) .....	1,024.74	140.09
			For >50 To 100, Deduct	-51.24	
			For >100 To 250, Deduct	-76.86	
			For >250 To 500, Deduct	-121.09	
			For >500 To 1000, Deduct	-165.32	
			For >1000, Deduct	-209.55	
26 56 19 00-0093	EA		11,000 Lumens, 110 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 110W) .....	1,113.60	141.62
			For >50 To 100, Deduct	-55.68	
			For >100 To 250, Deduct	-83.52	
			For >250 To 500, Deduct	-132.12	
			For >500 To 1000, Deduct	-180.72	
			For >1000, Deduct	-229.32	
26 56 19 00-0094	EA		15,000 Lumens, 150 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 150W) .....	1,183.72	144.09
			For >50 To 100, Deduct	-59.19	
			For >100 To 250, Deduct	-88.78	
			For >250 To 500, Deduct	-140.76	
			For >500 To 1000, Deduct	-192.74	
			For >1000, Deduct	-244.72	
26 56 19 00-0095			Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera SETA) <small>(26 56 19 00-0090)</small>		
			Note: UL wet listed. Includes 3,000K, 3,500K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0096	EA		7,200 Lumens, 60 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET060) .....	680.00	136.70
			For >50 To 100, Deduct	-34.00	
			For >100 To 250, Deduct	-51.00	
			For >250 To 500, Deduct	-78.17	
			For >500 To 1000, Deduct	-105.33	
			For >1000, Deduct	-132.50	
26 56 19 00-0097	EA		10,000 Lumens, 80 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET080) .....	727.82	139.16
			For >50 To 100, Deduct	-36.39	
			For >100 To 250, Deduct	-54.59	
			For >250 To 500, Deduct	-84.02	
			For >500 To 1000, Deduct	-113.45	
			For >1000, Deduct	-142.88	
26 56 19 00-0098	EA		12,500 Lumens, 100 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET100) .....	803.08	141.62
			For >50 To 100, Deduct	-40.15	
			For >100 To 250, Deduct	-60.23	
			For >250 To 500, Deduct	-93.30	
			For >500 To 1000, Deduct	-126.38	
			For >1000, Deduct	-159.45	
26 56 19 00-0099			Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera META) <small>(26 56 19 00-0090)</small>		
			Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		

**26 Electrical**

**26 50 Lighting**

**26 56 Exterior Lighting**



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 56 19 00-0100	EA	13,000 Lumens, 100 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT100).....	852.83	141.62
		<i>For 0 To 10 Volt Dimming, Add</i>	73.52	
		<i>For 480 Volt, Add</i>	73.52	
		<i>For &gt;50 To 100, Deduct</i>	-42.64	
		<i>For &gt;100 To 250, Deduct</i>	-63.96	
		<i>For &gt;250 To 500, Deduct</i>	-99.52	
		<i>For &gt;500 To 1000, Deduct</i>	-135.08	
		<i>For &gt;1000, Deduct</i>	-170.64	
26 56 19 00-0101	EA	16,900 Lumens, 130 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT130).....	944.50	142.86
		<i>For 0 To 10 Volt Dimming, Add</i>	73.52	
		<i>For 480 Volt, Add</i>	21.74	
		<i>For &gt;50 To 100, Deduct</i>	-47.23	
		<i>For &gt;100 To 250, Deduct</i>	-70.84	
		<i>For &gt;250 To 500, Deduct</i>	-110.92	
		<i>For &gt;500 To 1000, Deduct</i>	-151.00	
		<i>For &gt;1000, Deduct</i>	-191.08	
26 56 19 00-0102	EA	19,500 Lumens, 150 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT150).....	1,015.59	144.09
		<i>For 0 To 10 Volt Dimming, Add</i>	73.52	
		<i>For 480 Volt, Add</i>	-7.74	
		<i>For &gt;50 To 100, Deduct</i>	-50.78	
		<i>For &gt;100 To 250, Deduct</i>	-76.17	
		<i>For &gt;250 To 500, Deduct</i>	-119.74	
		<i>For &gt;500 To 1000, Deduct</i>	-163.32	
		<i>For &gt;1000, Deduct</i>	-206.89	

26 56 19 00-0103 LED Roadway Lighting (General Electric) (26 56 19 00-0029)

26 56 19 00-0104 Horizontal Tenon Mount, LED Cobra Head Street Lights (General Electric)

(26 56 19 00-0103)

Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or gray powder coat finish. Excludes sensors.

26 56 19 00-0105	EA	2,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 02XX 40 A GRAY) .....	522.79	136.09
		<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
		<i>For &gt;50 To 100, Deduct</i>	-26.14	
		<i>For &gt;100 To 250, Deduct</i>	-39.21	
		<i>For &gt;250 To 500, Deduct</i>	-58.54	
		<i>For &gt;500 To 1000, Deduct</i>	-77.88	
		<i>For &gt;1000, Deduct</i>	-97.22	
26 56 19 00-0106	EA	3,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 03XX 40 A GRAY) .....	526.49	137.93
		<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
		<i>For &gt;50 To 100, Deduct</i>	-26.32	
		<i>For &gt;100 To 250, Deduct</i>	-39.49	
		<i>For &gt;250 To 500, Deduct</i>	-58.91	
		<i>For &gt;500 To 1000, Deduct</i>	-78.34	
		<i>For &gt;1000, Deduct</i>	-97.77	
26 56 19 00-0107	EA	4,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 04XX 40 A GRAY) .....	548.14	140.09
		<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
		<i>For &gt;50 To 100, Deduct</i>	-27.41	
		<i>For &gt;100 To 250, Deduct</i>	-41.11	
		<i>For &gt;250 To 500, Deduct</i>	-61.51	
		<i>For &gt;500 To 1000, Deduct</i>	-81.92	
		<i>For &gt;1000, Deduct</i>	-102.32	
26 56 19 00-0108	EA	5,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 05XX 40 A GRAY) .....	570.14	141.62
		<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
		<i>For &gt;50 To 100, Deduct</i>	-28.51	
		<i>For &gt;100 To 250, Deduct</i>	-42.76	
		<i>For &gt;250 To 500, Deduct</i>	-64.19	
		<i>For &gt;500 To 1000, Deduct</i>	-85.61	
		<i>For &gt;1000, Deduct</i>	-107.04	
26 56 19 00-0109	EA	7,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 07XX 40 A GRAY) .....	628.31	144.70
		<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
		<i>For &gt;50 To 100, Deduct</i>	-31.42	
		<i>For &gt;100 To 250, Deduct</i>	-47.12	
		<i>For &gt;250 To 500, Deduct</i>	-71.30	
		<i>For &gt;500 To 1000, Deduct</i>	-95.48	
		<i>For &gt;1000, Deduct</i>	-119.66	
26 56 19 00-0110	EA	8,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 08XX 40 A GRAY) .....	659.15	145.94
		<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
		<i>For &gt;50 To 100, Deduct</i>	-32.96	
		<i>For &gt;100 To 250, Deduct</i>	-49.44	
		<i>For &gt;250 To 500, Deduct</i>	-75.10	
		<i>For &gt;500 To 1000, Deduct</i>	-100.76	
		<i>For &gt;1000, Deduct</i>	-126.42	
26 56 19 00-0111	EA	9,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 10XX 40 A GRAY) .....	717.05	148.09
		<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
		<i>For &gt;50 To 100, Deduct</i>	-35.85	
		<i>For &gt;100 To 250, Deduct</i>	-53.78	
		<i>For &gt;250 To 500, Deduct</i>	-82.23	
		<i>For &gt;500 To 1000, Deduct</i>	-110.67	
		<i>For &gt;1000, Deduct</i>	-139.12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 19 00-0112	EA		13,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERLH 0 13XX 40 A GRAY).....	840.13	152.09
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For &gt;50 To 100, Deduct</i>	-42.01	
			<i>For &gt;100 To 250, Deduct</i>	-63.01	
			<i>For &gt;250 To 500, Deduct</i>	-97.41	
			<i>For &gt;500 To 1000, Deduct</i>	-131.81	
			<i>For &gt;1000, Deduct</i>	-166.22	
26 56 19 00-0113	EA		19,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL2 0 19XX 40 A GRAY).....	982.24	160.10
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For &gt;50 To 100, Deduct</i>	-49.11	
			<i>For &gt;100 To 250, Deduct</i>	-73.67	
			<i>For &gt;250 To 500, Deduct</i>	-114.78	
			<i>For &gt;500 To 1000, Deduct</i>	-155.88	
			<i>For &gt;1000, Deduct</i>	-196.99	
26 56 19 00-0114			<b>LED Roadway Lighting (Acuity AEL Autobahn)</b> <small>(26 56 19 00-0029)</small>		
26 56 19 00-0115			<b>Horizontal Tenon Mount, LED Cobra Head Street Lights (Acuity AEL Autobahn)</b> <small>(26 56 19 00-0114)</small>		
			Note: UL wet listed. Includes 4,000K or 5,000K color temperature, 120-480 voltage, integral 10kV surge suppression, 0-10V dimming, die-cast extruded aluminum housing assembly and white, black, gray, graphite or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0116	EA		4,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 20ALEDE70).....	993.21	140.09
			<i>For &gt;50 To 100, Deduct</i>	-49.66	
			<i>For &gt;100 To 250, Deduct</i>	-74.49	
			<i>For &gt;250 To 500, Deduct</i>	-117.15	
			<i>For &gt;500 To 1000, Deduct</i>	-159.80	
			<i>For &gt;1000, Deduct</i>	-202.46	
26 56 19 00-0117	EA		6,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 30BLEDE70).....	1,229.87	144.09
			<i>For &gt;50 To 100, Deduct</i>	-61.49	
			<i>For &gt;100 To 250, Deduct</i>	-92.24	
			<i>For &gt;250 To 500, Deduct</i>	-146.53	
			<i>For &gt;500 To 1000, Deduct</i>	-200.82	
			<i>For &gt;1000, Deduct</i>	-255.11	
26 56 19 00-0118	EA		9,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 40BLEDE70).....	1,708.84	148.09
			<i>For &gt;50 To 100, Deduct</i>	-85.44	
			<i>For &gt;100 To 250, Deduct</i>	-128.16	
			<i>For &gt;250 To 500, Deduct</i>	-206.20	
			<i>For &gt;500 To 1000, Deduct</i>	-284.24	
			<i>For &gt;1000, Deduct</i>	-362.28	
26 56 19 00-0119	EA		13,500 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 60BLEDE70).....	2,191.37	153.94
			<i>For &gt;50 To 100, Deduct</i>	-109.57	
			<i>For &gt;100 To 250, Deduct</i>	-164.35	
			<i>For &gt;250 To 500, Deduct</i>	-266.22	
			<i>For &gt;500 To 1000, Deduct</i>	-368.10	
			<i>For &gt;1000, Deduct</i>	-469.97	
26 56 19 00-0120	EA		17,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 80BLEDE70).....	2,662.80	158.25
			<i>For &gt;50 To 100, Deduct</i>	-133.14	
			<i>For &gt;100 To 250, Deduct</i>	-199.71	
			<i>For &gt;250 To 500, Deduct</i>	-324.94	
			<i>For &gt;500 To 1000, Deduct</i>	-450.17	
			<i>For &gt;1000, Deduct</i>	-575.39	
26 56 19 00-0121			<b>LED Roadway Lighting (Leotek)</b> <small>(26 56 19 00-0029)</small>		
26 56 19 00-0122			<b>Horizontal Tenon Mount, LED Cobra Head Street Lights (Leotek)</b> <small>(26 56 19 00-0121)</small>		
			Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, integral surge protector, die-cast and extruded aluminum housing assembly and gray powder coat finish. Excludes sensors.		
26 56 19 00-0123	EA		Up To 3,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-4M2-MV-NW-X-GY-XXX-WL).....	535.06	140.09
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For Twist Lock Shorting Cap, Add</i>	7.88	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	23.64	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	42.31	
			<i>For &gt;50 To 100, Deduct</i>	-26.75	
			<i>For &gt;100 To 250, Deduct</i>	-40.13	
			<i>For &gt;250 To 500, Deduct</i>	-59.88	
			<i>For &gt;500 To 1000, Deduct</i>	-79.63	
			<i>For &gt;1000, Deduct</i>	-99.38	
26 56 19 00-0124	EA		Up To 5,150 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-4M2-MV-NW-X-GY-1AMP-WL).....	546.41	141.62
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For Twist Lock Shorting Cap, Add</i>	7.88	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	23.64	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	42.31	
			<i>For &gt;50 To 100, Deduct</i>	-27.32	
			<i>For &gt;100 To 250, Deduct</i>	-40.98	
			<i>For &gt;250 To 500, Deduct</i>	-61.22	
			<i>For &gt;500 To 1000, Deduct</i>	-81.46	
			<i>For &gt;1000, Deduct</i>	-101.70	

**26 Electrical****26 50 Lighting****26 56 Exterior Lighting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 56 19 00-0125	EA	Up To 5,950 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-6M2-MV-NW-X-GY-XXX-WL) .....	581.36	142.55
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For Twist Lock Shorting Cap, Add	7.88	
		For ANSI 7-wire Photocontrol Receptacle, Add	23.64	
		For Ripley Long-Life Twist Lock Photocontrol, Add	42.31	
		For >50 To 100, Deduct	-29.07	
		For >100 To 250, Deduct	-43.60	
		For >250 To 500, Deduct	-65.54	
		For >500 To 1000, Deduct	-87.48	
		For >1000, Deduct	-109.42	
26 56 19 00-0126	EA	Up To 9,550 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC3-10M2-MV-NW-X-GY-XXX-WL) .....	671.89	148.09
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For Twist Lock Shorting Cap, Add	7.88	
		For ANSI 7-wire Photocontrol Receptacle, Add	23.64	
		For Ripley Long-Life Twist Lock Photocontrol, Add	42.31	
		For >50 To 100, Deduct	-33.59	
		For >100 To 250, Deduct	-50.39	
		For >250 To 500, Deduct	-76.58	
		For >500 To 1000, Deduct	-102.77	
		For >1000, Deduct	-128.96	
26 56 19 00-0127	EA	Up To 11,450 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC4-12M2-MV-NW-X-GY-XXX-WL) .....	782.52	152.09
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For Twist Lock Shorting Cap, Add	7.88	
		For ANSI 7-wire Photocontrol Receptacle, Add	23.64	
		For Ripley Long-Life Twist Lock Photocontrol, Add	42.31	
		For >50 To 100, Deduct	-39.13	
		For >100 To 250, Deduct	-58.69	
		For >250 To 500, Deduct	-90.21	
		For >500 To 1000, Deduct	-121.73	
		For >1000, Deduct	-153.25	
26 56 19 00-0128	EA	Up To 14,550 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC4-15M2-MV-NW-X-GY-XXX-WL) .....	787.44	154.55
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For Twist Lock Shorting Cap, Add	7.88	
		For ANSI 7-wire Photocontrol Receptacle, Add	23.64	
		For Ripley Long-Life Twist Lock Photocontrol, Add	42.31	
		For >50 To 100, Deduct	-39.37	
		For >100 To 250, Deduct	-59.06	
		For >250 To 500, Deduct	-90.70	
		For >500 To 1000, Deduct	-122.35	
		For >1000, Deduct	-153.99	
26 56 19 00-0129	EA	Up To 16,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-18M2-MV-NW-X-GY-XXX-WL) .....	959.53	157.02
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For Twist Lock Shorting Cap, Add	7.88	
		For ANSI 7-wire Photocontrol Receptacle, Add	23.64	
		For Ripley Long-Life Twist Lock Photocontrol, Add	42.31	
		For >50 To 100, Deduct	-47.98	
		For >100 To 250, Deduct	-71.96	
		For >250 To 500, Deduct	-112.09	
		For >500 To 1000, Deduct	-152.22	
		For >1000, Deduct	-192.34	
26 56 19 00-0130	EA	Up To 18,750 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-20M2-MV-NW-X-GY-XXX-WL) .....	1,005.41	160.10
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For Twist Lock Shorting Cap, Add	7.88	
		For ANSI 7-wire Photocontrol Receptacle, Add	23.64	
		For Ripley Long-Life Twist Lock Photocontrol, Add	42.31	
		For >50 To 100, Deduct	-50.27	
		For >100 To 250, Deduct	-75.41	
		For >250 To 500, Deduct	-117.67	
		For >500 To 1000, Deduct	-159.94	
		For >1000, Deduct	-202.20	
26 56 19 00-0131	EA	Up To 22,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-24M2-MV-NW-X-GY-XXX-WL) .....	1,119.58	162.56
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For Twist Lock Shorting Cap, Add	7.88	
		For ANSI 7-wire Photocontrol Receptacle, Add	23.64	
		For Ripley Long-Life Twist Lock Photocontrol, Add	42.31	
		For >50 To 100, Deduct	-55.98	
		For >100 To 250, Deduct	-83.97	
		For >250 To 500, Deduct	-131.82	
		For >500 To 1000, Deduct	-179.67	
		For >1000, Deduct	-227.52	
26 56 19 00-0132	EA	Up To 29,150 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC9-30M2-MV-NW-X-GY-XXX-WL) .....	1,198.99	165.02
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For Twist Lock Shorting Cap, Add	7.88	
		For ANSI 7-wire Photocontrol Receptacle, Add	23.64	
		For Ripley Long-Life Twist Lock Photocontrol, Add	42.31	
		For >50 To 100, Deduct	-59.95	
		For >100 To 250, Deduct	-89.92	
		For >250 To 500, Deduct	-141.62	
		For >500 To 1000, Deduct	-193.32	
		For >1000, Deduct	-245.02	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0133	EA		Up To 4,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-20F-MV-NW-X-GY-XXX-WL).....	615.93	141.62
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	7.88	
			For ANSI 7-wire Photocontrol Receptacle, Add	23.64	
			For Ripley Long-Life Twist Lock Photocontrol, Add	42.31	
			For >50 To 100, Deduct	-30.80	
			For >100 To 250, Deduct	-46.19	
			For >250 To 500, Deduct	-69.91	
			For >500 To 1000, Deduct	-93.63	
			For >1000, Deduct	-117.34	
26 56 19 00-0134	EA		Up To 7,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-30F-MV-NW-X-GY-XXX-WL).....	674.63	145.32
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	7.88	
			For ANSI 7-wire Photocontrol Receptacle, Add	23.64	
			For Ripley Long-Life Twist Lock Photocontrol, Add	42.31	
			For >50 To 100, Deduct	-33.73	
			For >100 To 250, Deduct	-50.60	
			For >250 To 500, Deduct	-77.06	
			For >500 To 1000, Deduct	-103.53	
			For >1000, Deduct	-129.99	
26 56 19 00-0135	EA		Up To 9,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-40F-MV-NW-X-GY-XXX-WL).....	726.51	148.09
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	7.88	
			For ANSI 7-wire Photocontrol Receptacle, Add	23.64	
			For Ripley Long-Life Twist Lock Photocontrol, Add	42.31	
			For >50 To 100, Deduct	-36.33	
			For >100 To 250, Deduct	-54.49	
			For >250 To 500, Deduct	-83.41	
			For >500 To 1000, Deduct	-112.33	
			For >1000, Deduct	-141.25	
26 56 19 00-0136	EA		Up To 12,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-40F-MV-NW-X-GY-1AMP-WL).....	771.36	151.47
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	7.88	
			For ANSI 7-wire Photocontrol Receptacle, Add	23.64	
			For Ripley Long-Life Twist Lock Photocontrol, Add	42.31	
			For >50 To 100, Deduct	-38.57	
			For >100 To 250, Deduct	-57.85	
			For >250 To 500, Deduct	-88.85	
			For >500 To 1000, Deduct	-119.84	
			For >1000, Deduct	-150.83	
26 56 19 00-0137	EA		Up To 13,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-60F-MV-NW-X-GY-XXX-WL).....	816.85	152.71
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	7.88	
			For ANSI 7-wire Photocontrol Receptacle, Add	23.64	
			For Ripley Long-Life Twist Lock Photocontrol, Add	42.31	
			For >50 To 100, Deduct	-40.84	
			For >100 To 250, Deduct	-61.26	
			For >250 To 500, Deduct	-94.47	
			For >500 To 1000, Deduct	-127.68	
			For >1000, Deduct	-160.88	
26 56 19 00-0138	EA		Up To 17,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-80F-MV-NW-X-GY-XXX-WL).....	968.62	158.25
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	7.88	
			For ANSI 7-wire Photocontrol Receptacle, Add	23.64	
			For Ripley Long-Life Twist Lock Photocontrol, Add	42.31	
			For >50 To 100, Deduct	-48.43	
			For >100 To 250, Deduct	-72.65	
			For >250 To 500, Deduct	-113.17	
			For >500 To 1000, Deduct	-153.68	
			For >1000, Deduct	-194.20	
26 56 19 00-0139	EA		Up To 19,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-90F-MV-NW-X-GY-XXX-WL).....	1,092.28	161.33
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	7.88	
			For ANSI 7-wire Photocontrol Receptacle, Add	23.64	
			For Ripley Long-Life Twist Lock Photocontrol, Add	42.31	
			For >50 To 100, Deduct	-54.61	
			For >100 To 250, Deduct	-81.92	
			For >250 To 500, Deduct	-128.47	
			For >500 To 1000, Deduct	-175.02	
			For >1000, Deduct	-221.56	
26 56 19 00-0140	EA		Up To 22,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-100F-MV-NW-X-GY-XXX-WL).....	1,159.72	161.95
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	7.88	
			For ANSI 7-wire Photocontrol Receptacle, Add	23.64	
			For Ripley Long-Life Twist Lock Photocontrol, Add	42.31	
			For >50 To 100, Deduct	-57.99	
			For >100 To 250, Deduct	-86.98	
			For >250 To 500, Deduct	-136.87	
			For >500 To 1000, Deduct	-186.76	
			For >1000, Deduct	-236.65	

**26 Electrical****26 50 Lighting****26 56 Exterior Lighting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 56 19 00-0141	EA	Up To 26,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-120F-MV-NW-X-GY-XXX-WL).....	1,224.65	163.79
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For Twist Lock Shorting Cap, Add	7.88	
		For ANSI 7-wire Photocontrol Receptacle, Add	23.64	
		For Ripley Long-Life Twist Lock Photocontrol, Add	42.31	
		For >50 To 100, Deduct	-61.23	
		For >100 To 250, Deduct	-91.85	
		For >250 To 500, Deduct	-144.89	
		For >500 To 1000, Deduct	-197.93	
		For >1000, Deduct	-250.98	
26 56 19 00-0142	EA	Up To 11,720 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCM2-30H-MV-NW-X-GY-1AMP).....	661.65	154.55
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For Twist Lock Shorting Cap, Add	7.88	
		For ANSI 7-wire Photocontrol Receptacle, Add	23.64	
		For Ripley Long-Life Twist Lock Photocontrol, Add	42.31	
		For >50 To 100, Deduct	-33.08	
		For >100 To 250, Deduct	-49.62	
		For >250 To 500, Deduct	-74.98	
		For >500 To 1000, Deduct	-100.33	
		For >1000, Deduct	-125.69	
26 56 19 00-0143	EA	Up To 15,430 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCM2-40H-MV-NW-X-GY-1AMP).....	714.38	156.10
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For Twist Lock Shorting Cap, Add	7.88	
		For ANSI 7-wire Photocontrol Receptacle, Add	23.64	
		For Ripley Long-Life Twist Lock Photocontrol, Add	42.31	
		For >50 To 100, Deduct	-35.72	
		For >100 To 250, Deduct	-53.58	
		For >250 To 500, Deduct	-81.49	
		For >500 To 1000, Deduct	-109.41	
		For >1000, Deduct	-137.32	
26 56 19 00-0144	EA	Up To 4,180 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ0-15H-MV-NW-X-GY-XXX-WL).....	512.69	141.32
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For Twist Lock Shorting Cap, Add	7.88	
		For ANSI 7-wire Photocontrol Receptacle, Add	23.64	
		For Ripley Long-Life Twist Lock Photocontrol, Add	42.31	
		For >50 To 100, Deduct	-25.63	
		For >100 To 250, Deduct	-38.45	
		For >250 To 500, Deduct	-57.02	
		For >500 To 1000, Deduct	-75.59	
		For >1000, Deduct	-94.16	
26 56 19 00-0145	EA	Up To 5,510 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ1-20H-MV-NW-X-GY-XXX-WL).....	521.77	142.55
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For Twist Lock Shorting Cap, Add	7.88	
		For ANSI 7-wire Photocontrol Receptacle, Add	23.64	
		For Ripley Long-Life Twist Lock Photocontrol, Add	42.31	
		For >50 To 100, Deduct	-26.09	
		For >100 To 250, Deduct	-39.13	
		For >250 To 500, Deduct	-58.09	
		For >500 To 1000, Deduct	-77.06	
		For >1000, Deduct	-96.02	
26 56 19 00-0146	EA	Up To 7,430 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ2-20H-MV-NW-X-GY-1AMP-WL).....	565.39	145.32
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For Twist Lock Shorting Cap, Add	7.88	
		For ANSI 7-wire Photocontrol Receptacle, Add	23.64	
		For Ripley Long-Life Twist Lock Photocontrol, Add	42.31	
		For >50 To 100, Deduct	-28.27	
		For >100 To 250, Deduct	-42.40	
		For >250 To 500, Deduct	-63.41	
		For >500 To 1000, Deduct	-84.41	
		For >1000, Deduct	-105.41	
26 56 19 00-0147	EA	Up To 16,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL1-60G-MV-NW-X-GY-XXX-WL).....	858.57	157.02
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For Twist Lock Shorting Cap, Add	7.88	
		For ANSI 7-wire Photocontrol Receptacle, Add	23.64	
		For Ripley Long-Life Twist Lock Photocontrol, Add	42.31	
		For >50 To 100, Deduct	-42.93	
		For >100 To 250, Deduct	-64.39	
		For >250 To 500, Deduct	-99.47	
		For >500 To 1000, Deduct	-134.55	
		For >1000, Deduct	-169.63	
26 56 19 00-0148	EA	Up To 22,100 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL1-80G-MV-NW-X-GY-XXX-WL).....	1,113.38	161.95
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For Twist Lock Shorting Cap, Add	7.88	
		For ANSI 7-wire Photocontrol Receptacle, Add	23.64	
		For Ripley Long-Life Twist Lock Photocontrol, Add	42.31	
		For >50 To 100, Deduct	-55.67	
		For >100 To 250, Deduct	-83.50	
		For >250 To 500, Deduct	-131.08	
		For >500 To 1000, Deduct	-178.65	
		For >1000, Deduct	-226.22	

<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 19 00-0149	EA Up To 22,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL2-60G-MV-NW-X-GY-1AMP-WL).....	995.44	162.56
	<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
	<i>For Twist Lock Shorting Cap, Add</i>	7.88	
	<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	23.64	
	<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	42.31	
	<i>For &gt;50 To 100, Deduct</i>	-49.77	
	<i>For &gt;100 To 250, Deduct</i>	-74.66	
	<i>For &gt;250 To 500, Deduct</i>	-116.30	
	<i>For &gt;500 To 1000, Deduct</i>	-157.95	
	<i>For &gt;1000, Deduct</i>	-199.59	
26 56 19 00-0150	EA Up To 5,484 Lumens, Horizontal Tenon Mount, LED Security Light (Leotek® SafeGuard™ SG1-01-MV-NW-5-GY).....	493.45	141.62
	<i>For Twist Lock Shorting Cap, Add</i>	7.88	
	<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	23.64	
	<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	42.31	
	<i>For &gt;50 To 100, Deduct</i>	-24.67	
	<i>For &gt;100 To 250, Deduct</i>	-37.01	
	<i>For &gt;250 To 500, Deduct</i>	-54.60	
	<i>For &gt;500 To 1000, Deduct</i>	-72.19	
	<i>For &gt;1000, Deduct</i>	-89.78	
26 56 19 00-0151	<b>LED, Area Fixtures</b> <small>(26 56 19)</small>		
26 56 19 00-0152	<b>Pole Mount, LED Area Fixtures</b> <small>(26 56 19 00-0151)</small>		
26 56 19 00-0153	<b>Pole Mount, Rectangular, LED Architectural Area Fixtures (Lithonia DSX)</b> <small>(26 56 19 00-0152)</small>		
	Note: UL wet listed. Includes 4,000K color temperature, 480 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0154	EA 20 LEDs, 49 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED).....	2,611.40	104.68
	<i>For &gt;50 To 100, Deduct</i>	-130.57	
	<i>For &gt;100 To 250, Deduct</i>	-195.86	
	<i>For &gt;250 To 500, Deduct</i>	-321.19	
	<i>For &gt;500 To 1000, Deduct</i>	-446.53	
	<i>For &gt;1000, Deduct</i>	-571.86	
26 56 19 00-0155	EA 40 LEDs, 89 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED).....	2,815.87	110.84
	<i>For &gt;50 To 100, Deduct</i>	-140.79	
	<i>For &gt;100 To 250, Deduct</i>	-211.19	
	<i>For &gt;250 To 500, Deduct</i>	-346.44	
	<i>For &gt;500 To 1000, Deduct</i>	-481.69	
	<i>For &gt;1000, Deduct</i>	-616.95	
26 56 19 00-0156	EA 80 LEDs, 188 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED).....	3,032.67	123.16
	<i>For &gt;50 To 100, Deduct</i>	-151.63	
	<i>For &gt;100 To 250, Deduct</i>	-227.45	
	<i>For &gt;250 To 500, Deduct</i>	-372.93	
	<i>For &gt;500 To 1000, Deduct</i>	-518.40	
	<i>For &gt;1000, Deduct</i>	-663.88	
26 56 19 00-0157	EA 100 LEDs, 218 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED).....	3,044.99	129.31
	<i>For &gt;50 To 100, Deduct</i>	-152.25	
	<i>For &gt;100 To 250, Deduct</i>	-228.37	
	<i>For &gt;250 To 500, Deduct</i>	-374.16	
	<i>For &gt;500 To 1000, Deduct</i>	-519.94	
	<i>For &gt;1000, Deduct</i>	-665.73	
26 56 19 00-0158	<b>Arm Mount, Rectangular, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDG)</b> <small>(26 56 19 00-0152)</small>		
	Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type III Medium optic. Excludes sensors. All fixtures without the backlight control shield are DLC qualified		
26 56 19 00-0159	EA 40 LEDs, 47 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	1,092.91	110.84
	<i>For Backlight Shielding, Add</i>	19.93	
	<i>For Type II Medium Optic, Add</i>	35.01	
	<i>For 480 Volt, Add</i>	87.01	
	<i>For Multi-Level Drive Currents, Add</i>	199.30	
	<i>For &gt;50 To 100, Deduct</i>	-54.65	
	<i>For &gt;100 To 250, Deduct</i>	-81.97	
	<i>For &gt;250 To 500, Deduct</i>	-131.07	
	<i>For &gt;500 To 1000, Deduct</i>	-180.18	
	<i>For &gt;1000, Deduct</i>	-229.28	
26 56 19 00-0160	EA 60 LEDs, 68 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	1,314.49	116.99
	<i>For Backlight Shielding, Add</i>	19.93	
	<i>For Type II Medium Optic, Add</i>	35.63	
	<i>For 480 Volt, Add</i>	87.01	
	<i>For Multi-Level Drive Currents, Add</i>	199.30	
	<i>For &gt;50 To 100, Deduct</i>	-65.72	
	<i>For &gt;100 To 250, Deduct</i>	-98.59	
	<i>For &gt;250 To 500, Deduct</i>	-158.46	
	<i>For &gt;500 To 1000, Deduct</i>	-218.34	
	<i>For &gt;1000, Deduct</i>	-278.21	

**26 Electrical**

**26 50 Lighting**

**26 56 Exterior Lighting**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 56 19 00-0161	EA 80 LEDs, 90 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG) .....	1,620.06	123.16
	For Backlight Shielding, Add	19.93	
	For Type II Medium Optic, Add	36.25	
	For 480 Volt, Add	87.01	
	For Multi-Level Drive Currents, Add	199.30	
	For >50 To 100, Deduct	-81.00	
	For >100 To 250, Deduct	-121.50	
	For >250 To 500, Deduct	-196.35	
	For >500 To 1000, Deduct	-271.20	
	For >1000, Deduct	-346.04	
26 56 19 00-0162	EA 100 LEDs, 111 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG) .....	1,841.65	129.31
	For Backlight Shielding, Add	19.93	
	For Type II Medium Optic, Add	36.86	
	For 480 Volt, Add	87.01	
	For Multi-Level Drive Currents, Add	199.30	
	For >50 To 100, Deduct	-92.08	
	For >100 To 250, Deduct	-138.12	
	For >250 To 500, Deduct	-223.74	
	For >500 To 1000, Deduct	-309.36	
	For >1000, Deduct	-394.97	
26 56 19 00-0163	EA 120 LEDs, 132 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG) .....	2,063.23	135.47
	For Backlight Shielding, Add	19.93	
	For Type II Medium Optic, Add	37.48	
	For 480 Volt, Add	87.01	
	For Multi-Level Drive Currents, Add	199.30	
	For >50 To 100, Deduct	-103.16	
	For >100 To 250, Deduct	-154.74	
	For >250 To 500, Deduct	-251.13	
	For >500 To 1000, Deduct	-347.52	
	For >1000, Deduct	-443.91	
26 56 19 00-0164	EA 140 LEDs, 157 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG) .....	2,351.73	141.62
	For Backlight Shielding, Add	19.93	
	For Type II Medium Optic, Add	38.09	
	For 480 Volt, Add	87.01	
	For Multi-Level Drive Currents, Add	199.30	
	For >50 To 100, Deduct	-117.59	
	For >100 To 250, Deduct	-176.38	
	For >250 To 500, Deduct	-286.89	
	For >500 To 1000, Deduct	-397.39	
	For >1000, Deduct	-507.90	
26 56 19 00-0165	EA 160 LEDs, 179 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG) .....	2,573.30	147.79
	For Backlight Shielding, Add	19.93	
	For Type II Medium Optic, Add	38.71	
	For 480 Volt, Add	87.01	
	For Multi-Level Drive Currents, Add	199.30	
	For >50 To 100, Deduct	-128.67	
	For >100 To 250, Deduct	-193.00	
	For >250 To 500, Deduct	-314.27	
	For >500 To 1000, Deduct	-435.55	
	For >1000, Deduct	-556.83	
26 56 19 00-0166	Direct Or Arm Mount, Rectangular, High Output, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EHO) <small>(26 56 19 00-0152)</small>		
	Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0167	EA 120 LEDs, 267 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO) .....	1,908.71	135.47
	For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.78	
	For Bird Spikes, Add	40.00	
	For 5,000K Color Temperature, Add	41.98	
	For Fuse, Add	50.37	
	For 0 To 10 Volt Dimming, Add	50.37	
	For 480 Volt, Add	75.56	
	For Multi-Level, Add	109.13	
	For 1,000mA Driver, Add	141.05	
	For >50 To 100, Deduct	-95.44	
	For >100 To 250, Deduct	-143.15	
	For >250 To 500, Deduct	-231.82	
	For >500 To 1000, Deduct	-320.48	
	For >1000, Deduct	-409.14	
26 56 19 00-0168	EA 240 LEDs, 533 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO) .....	3,204.38	166.25
	For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.78	
	For 5,000K Color Temperature, Add	41.98	
	For Fuse, Add	50.37	
	For 0 To 10 Volt Dimming, Add	50.37	
	For Bird Spikes, Add	58.95	
	For Multi-Level, Add	109.13	
	For 1,000mA Driver, Add	141.04	
	For 480 Volt, Add	151.10	
	For >50 To 100, Deduct	-160.22	
	For >100 To 250, Deduct	-240.33	
	For >250 To 500, Deduct	-392.23	
	For >500 To 1000, Deduct	-544.14	
	For >1000, Deduct	-696.05	
26 56 19 00-0169	Wall Mount, LED Area Fixtures <small>(26 56 19 00-0151)</small>		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 19 00-0170	<b>Wall Mount, LED Architectural Area Fixtures (Lithonia DSXW)</b> <small>(26 56 19 00-0169)</small> Note: UL wet listed. Includes 277 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0171	EA 20 LEDs, 47 Watt, 4000K CCT, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1000, Deduct</i> <i>For &gt;1000, Deduct</i>	1,133.66 -56.68 -85.02 -136.47 -187.92 -239.37	104.68
26 56 19 00-0172	EA 30 LEDs, 71 Watt, 4000K CCT, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1000, Deduct</i> <i>For &gt;1000, Deduct</i>	1,158.29 -57.91 -86.87 -138.94 -191.00 -243.07	116.99
26 56 19 00-0173	<b>Surface Mount, LED Parking Structure Fixtures</b> <small>(26 56 19 00-0151)</small>		
26 56 19 00-0174	<b>Surface Mount, Rectangular, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-EDG)</b> <small>(26 56 19 00-0173)</small> Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0175	EA 40 LEDs, 47 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG) ..... <i>For Multi-Level Drive Currents, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1000, Deduct</i> <i>For &gt;1000, Deduct</i>	967.63 199.30 -48.38 -72.57 -115.41 -158.25 -201.09	110.84
26 56 19 00-0176	EA 60 LEDs, 68 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG) ..... <i>For Multi-Level Drive Currents, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1000, Deduct</i> <i>For &gt;1000, Deduct</i>	1,189.22 199.30 -59.46 -89.19 -142.80 -196.41 -250.03	116.99
26 56 19 00-0177	EA 80 LEDs, 90 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG) ..... <i>For Multi-Level Drive Currents, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1000, Deduct</i> <i>For &gt;1000, Deduct</i>	1,410.80 199.30 -70.54 -105.81 -170.19 -234.58 -298.96	123.16
26 56 19 00-0178	EA 100 LEDs, 111 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG) ..... <i>For Multi-Level Drive Currents, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1000, Deduct</i> <i>For &gt;1000, Deduct</i>	1,632.38 199.30 -81.62 -122.43 -197.58 -272.74 -347.89	129.31
26 56 19 00-0179	<b>Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-304)</b> <small>(26 56 19 00-0173)</small> Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0180	EA 40 LEDs, 47 Watt, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304) ..... <i>For Multi-Level Drive Currents, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1000, Deduct</i> <i>For &gt;1000, Deduct</i>	933.47 199.30 -46.67 -70.01 -111.14 -152.27 -193.41	110.84
26 56 19 00-0181	EA 60 LEDs, 68 Watt, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304) ..... <i>For Multi-Level Drive Currents, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1000, Deduct</i> <i>For &gt;1000, Deduct</i>	1,029.78 199.30 -51.49 -77.23 -122.87 -168.51 -214.15	116.99
26 56 19 00-0182	<b>Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VG)</b> <small>(26 56 19 00-0173)</small> Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		

**26 Electrical****26 50 Lighting****26 56 Exterior Lighting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 56 19 00-0183	EA 3,700 Lumens, 50 Watt, Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VGADM5MA40KUL).....	834.14	110.84
	For >50 To 100, Deduct	-41.71	
	For >100 To 250, Deduct	-62.56	
	For >250 To 500, Deduct	-98.73	
	For >500 To 1000, Deduct	-134.89	
	For >1000, Deduct	-171.06	
26 56 19 00-0184	Surface Mount, Rectangular, LED Parking Structure Fixtures (Philips Gardco ELG) <sup>(26 56 19 00-0173)</sup>		
	Note: Direct or pendant mount. UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and aluminum finish. Excludes sensors.		
26 56 19 00-0185	EA 70 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG).....	1,637.32	116.99
	For >50 To 100, Deduct	-81.87	
	For >100 To 250, Deduct	-122.80	
	For >250 To 500, Deduct	-198.82	
	For >500 To 1000, Deduct	-274.83	
	For >1000, Deduct	-350.85	
26 56 19 00-0186	EA 110 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG).....	1,661.95	129.31
	For >50 To 100, Deduct	-83.10	
	For >100 To 250, Deduct	-124.65	
	For >250 To 500, Deduct	-201.28	
	For >500 To 1000, Deduct	-277.91	
	For >1000, Deduct	-354.54	
26 56 19 00-0187	Surface Mount, LED Canopy Fixtures <sup>(26 56 19 00-0151)</sup>		
26 56 19 00-0188	Surface Mount, Rectangular, LED Canopy Fixtures (CREE® BetaLED® Edge® CAN-EDG) <sup>(26 56 19 00-0187)</sup>		
	Note: Direct or pendant mount. UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0189	EA 40 LEDs, 47 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,118.53	110.84
	For Multi-Level Drive Currents, Add	199.30	
	For >50 To 100, Deduct	-55.93	
	For >100 To 250, Deduct	-83.89	
	For >250 To 500, Deduct	-134.27	
	For >500 To 1000, Deduct	-184.66	
	For >1000, Deduct	-235.04	
26 56 19 00-0190	EA 60 LEDs, 68 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,340.12	116.99
	For Multi-Level Drive Currents, Add	199.30	
	For >50 To 100, Deduct	-67.01	
	For >100 To 250, Deduct	-100.51	
	For >250 To 500, Deduct	-161.67	
	For >500 To 1000, Deduct	-222.82	
	For >1000, Deduct	-283.98	
26 56 19 00-0191	EA 80 LEDs, 90 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,561.70	123.16
	For Multi-Level Drive Currents, Add	199.30	
	For >50 To 100, Deduct	-78.09	
	For >100 To 250, Deduct	-117.13	
	For >250 To 500, Deduct	-189.06	
	For >500 To 1000, Deduct	-260.98	
	For >1000, Deduct	-332.91	
26 56 19 00-0192	EA 100 LEDs, 111 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,783.28	129.31
	For Multi-Level Drive Currents, Add	199.30	
	For >50 To 100, Deduct	-89.16	
	For >100 To 250, Deduct	-133.75	
	For >250 To 500, Deduct	-216.44	
	For >500 To 1000, Deduct	-299.14	
	For >1000, Deduct	-381.84	
26 56 19 00-0193	EA 120 LEDs, 132 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	2,004.86	135.47
	For Multi-Level Drive Currents, Add	199.30	
	For >50 To 100, Deduct	-100.24	
	For >100 To 250, Deduct	-150.36	
	For >250 To 500, Deduct	-243.83	
	For >500 To 1000, Deduct	-337.30	
	For >1000, Deduct	-430.77	
26 56 19 00-0194	EA 140 LEDs, 157 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	2,310.44	141.62
	For Multi-Level Drive Currents, Add	199.30	
	For >50 To 100, Deduct	-115.52	
	For >100 To 250, Deduct	-173.28	
	For >250 To 500, Deduct	-281.72	
	For >500 To 1000, Deduct	-390.16	
	For >1000, Deduct	-498.61	
26 56 19 00-0195	EA 160 LEDs, 179 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	2,532.02	147.79
	For Multi-Level Drive Currents, Add	199.30	
	For >50 To 100, Deduct	-126.60	
	For >100 To 250, Deduct	-189.90	
	For >250 To 500, Deduct	-309.11	
	For >500 To 1000, Deduct	-428.33	
	For >1000, Deduct	-547.54	
26 56 19 00-0196	EA 200 LEDs, 221 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	2,975.19	160.10
	For Multi-Level Drive Currents, Add	199.30	
	For >50 To 100, Deduct	-148.76	
	For >100 To 250, Deduct	-223.14	
	For >250 To 500, Deduct	-363.89	
	For >500 To 1000, Deduct	-504.65	
	For >1000, Deduct	-645.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0197	EA		240 LEDs, 264 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG) ..... <i>For Multi-Level Drive Currents, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1000, Deduct</i> <i>For &gt;1000, Deduct</i>	3,406.04 199.30 -170.30 -255.45 -417.44 -579.43 -741.42	166.25
<b>26 56 19 00-0198</b>			<b>Surface Mount, Square, LED Canopy/Soffit Fixtures (CREE® BetaLED® CPY250)</b> <small>(26 56 19 00-0187)</small> Note: UL wet listed. Includes 5,700K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0199	EA		8,000 Lumens, 82 Watt, Surface Mount, Square, LED Canopy/Soffit Fixture (CREE® BetaLED® CPY250) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1000, Deduct</i> <i>For &gt;1000, Deduct</i>	782.99 -39.15 -58.72 -91.72 -124.71 -157.70	123.16
<b>26 56 19 00-0200</b>			<b>Recessed Mount, LED Soffit Fixtures</b> <small>(26 56 19 00-0151)</small>		
<b>26 56 19 00-0201</b>			<b>Recessed Mount, Square, LED Soffit Fixtures (CREE® BetaLED® SFT-304)</b> <small>(26 56 19 00-0200)</small> Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0202	EA		40 LEDs, 47 Watt, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1000, Deduct</i> <i>For &gt;1000, Deduct</i>	950.55 -47.53 -71.29 -113.28 -155.26 -197.25	110.84
26 56 19 00-0203	EA		60 LEDs, 68 Watt, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1000, Deduct</i> <i>For &gt;1000, Deduct</i>	1,046.86 -52.34 -78.51 -125.01 -171.50 -217.99	116.99
<b>26 56 19 00-0204</b>			<b>Surface Mount, LED Area Fixtures</b> <small>(26 56 19 00-0151)</small>		
<b>26 56 19 00-0205</b>			<b>Surface Mount, Square, LED Multi-Purpose Area Fixtures (LSI Industries® Crossover® XPG)</b> <small>(26 56 19 00-0204)</small> Note: UL wet listed. Includes 5,300K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black or silver powder coat finish. Excludes sensors.		
26 56 19 00-0206	EA		50 LEDs, 59 Watt, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1000, Deduct</i> <i>For &gt;1000, Deduct</i>	591.64 -29.58 -44.37 -68.41 -92.45 -116.49	110.84
26 56 19 00-0207	EA		50 LEDs, 59 Watt, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1000, Deduct</i> <i>For &gt;1000, Deduct</i>	1,197.97 -59.90 -89.85 -144.20 -198.56 -252.92	110.84
26 56 19 00-0208	EA		68 LEDs, 79 Watt, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1000, Deduct</i> <i>For &gt;1000, Deduct</i>	1,001.75 -50.09 -75.13 -119.06 -162.99 -206.92	123.16
26 56 19 00-0209	EA		68 LEDs, 79 Watt, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1000, Deduct</i> <i>For &gt;1000, Deduct</i>	1,234.87 -61.74 -92.62 -148.20 -203.79 -259.37	123.16
<b>26 56 19 00-0210</b>			<b>Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour®)</b> <small>(26 56 19 00-0204)</small> Note: Wall, inverted, post, bollard, floodlight trunnion, or floodlight knuckle mount. UL wet listed. Includes 5,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0211	EA		13 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR1A) ..... <i>For Knuckle Mount Or Trunnion Mount Base, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1000, Deduct</i> <i>For &gt;1000, Deduct</i>	189.81 45.00 -9.49 -14.24 -22.10 -29.97 -37.83	39.02

**26 Electrical****26 50 Lighting****26 56 Exterior Lighting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 56 19 00-0212	EA 20 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR2A) ..... <i>For Knuckle Mount Or Trunion Mount Base, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1000, Deduct</i> <i>For &gt;1000, Deduct</i>	216.28 45.00 -10.81 -16.22 -25.41 -34.60 -43.79	39.02
26 56 19 00-0213	EA 30 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR3A) ..... <i>For Knuckle Mount Or Trunion Mount Base, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1000, Deduct</i> <i>For &gt;1000, Deduct</i>	266.71 45.00 -13.34 -20.00 -31.71 -43.42 -55.13	39.02
26 56 19 00-0214	Surface Mount, LED Facade Fixtures <small>(26 56 19 00-0151)</small>		
26 56 19 00-0215	Surface Mount, LED Facade Fixtures (lumenpulse™ lumenfacade™) <small>(26 56 19 00-0214)</small>		
26 56 19 00-0216	EA 12" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1000, Deduct</i> <i>For &gt;1000, Deduct</i>	619.50 -30.98 -46.46 -75.70 -104.95 -134.19	45.54
26 56 19 00-0217	EA 24" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1000, Deduct</i> <i>For &gt;1000, Deduct</i>	1,006.39 -50.32 -75.48 -124.31 -173.15 -221.98	41.58
26 56 19 00-0218	EA 36" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1000, Deduct</i> <i>For &gt;1000, Deduct</i>	1,283.76 -64.19 -96.28 -159.23 -222.18 -285.13	34.65
26 56 19 00-0219	EA 48" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1000, Deduct</i> <i>For &gt;1000, Deduct</i>	1,561.12 -78.06 -117.08 -194.15 -271.22 -348.28	27.72
26 56 19 00-0220	Post Top, LED Area Fixtures <small>(26 56 19 00-0151)</small>		
26 56 19 00-0221	Post Top, LED Area Fixtures (Cooper Lighting Invue® MSA) <small>(26 56 19 00-0220)</small> Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 350mA remote driver, die-cast extruded aluminum housing assembly and white, black, grey, dark platinum, graphite metallic or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0222	EA 1,800 Lumens, 27 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO1) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1000, Deduct</i> <i>For &gt;1000, Deduct</i>	1,750.64 -87.53 -131.30 -210.36 -289.43 -368.49	169.33
26 56 19 00-0223	EA 3,400 Lumens, 54 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO2) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1000, Deduct</i> <i>For &gt;1000, Deduct</i>	1,930.79 -96.54 -144.81 -232.88 -320.95 -409.03	169.33
26 56 19 00-0224	EA 77 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO3) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1000, Deduct</i> <i>For &gt;1000, Deduct</i>	2,073.21 -103.66 -155.49 -250.68 -345.88 -441.07	169.33
26 56 19 00-0225	Post Top, LED Area Fixtures (General Electric EPAS) <small>(26 56 19 00-0220)</small> Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, green or bronze powder coat finish. Includes photocontrol sensor.		
26 56 19 00-0226	EA 3,200 Lumens, 45 Watt, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 E5/E3) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1000, Deduct</i> <i>For &gt;1000, Deduct</i>	2,061.64 -103.08 -154.62 -249.24 -343.85 -438.47	169.33
26 56 19 00-0227	EA 6,515 Lumens, 80 Watt, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 C5/C3) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1000, Deduct</i> <i>For &gt;1000, Deduct</i>	2,107.99 -105.40 -158.10 -255.03 -351.96 -448.90	169.33



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 19 00-0228	<b>Post Top, LED Area Fixtures (General Electric EPTC)</b> <small>(26 56 19 00-0228)</small> Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, gray or dark bronze powder coat finish. Includes photocontrol sensor.		
26 56 19 00-0229	EA 3,200 Lumens, 45 Watt, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 E5/E3).....	1,434.20	169.33
	<i>For &gt;50 To 100, Deduct</i>	-71.71	
	<i>For &gt;100 To 250, Deduct</i>	-107.57	
	<i>For &gt;250 To 500, Deduct</i>	-170.81	
	<i>For &gt;500 To 1000, Deduct</i>	-234.05	
	<i>For &gt;1000, Deduct</i>	-297.29	
26 56 19 00-0230	EA 6,150 Lumens, 80 Watt, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 C5/C3).....	1,503.56	169.33
	<i>For &gt;50 To 100, Deduct</i>	-75.18	
	<i>For &gt;100 To 250, Deduct</i>	-112.77	
	<i>For &gt;250 To 500, Deduct</i>	-179.48	
	<i>For &gt;500 To 1000, Deduct</i>	-246.19	
	<i>For &gt;1000, Deduct</i>	-312.90	
26 56 19 00-0231	<b>Post Top, LED Area Fixtures (General Electric EPST)</b> <small>(26 56 19 00-0231)</small> Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or dark bronze powder coat finish. Includes photocontrol sensor.		
26 56 19 00-0232	EA 3,135 Lumens, 45 Watt, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 E5/E3).....	1,118.94	169.33
	<i>For &gt;50 To 100, Deduct</i>	-55.95	
	<i>For &gt;100 To 250, Deduct</i>	-83.92	
	<i>For &gt;250 To 500, Deduct</i>	-131.40	
	<i>For &gt;500 To 1000, Deduct</i>	-178.88	
	<i>For &gt;1000, Deduct</i>	-226.36	
26 56 19 00-0233	EA 6,115 Lumens, 80 Watt, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 C5/C3).....	1,188.30	169.33
	<i>For &gt;50 To 100, Deduct</i>	-59.42	
	<i>For &gt;100 To 250, Deduct</i>	-89.12	
	<i>For &gt;250 To 500, Deduct</i>	-140.07	
	<i>For &gt;500 To 1000, Deduct</i>	-191.02	
	<i>For &gt;1000, Deduct</i>	-241.97	
26 56 19 00-0234	<b>Post Top, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDR)</b> <small>(26 56 19 00-0234)</small> Note: UL wet listed. Includes 4,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type V Medium optic. Excludes sensors.		
26 56 19 00-0235	EA 13,800 Lumens, 130 Watt, Post Top Mount, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDR).....	2,508.22	169.33
	<i>For &gt;50 To 100, Deduct</i>	-125.41	
	<i>For &gt;100 To 250, Deduct</i>	-188.12	
	<i>For &gt;250 To 500, Deduct</i>	-305.06	
	<i>For &gt;500 To 1000, Deduct</i>	-422.01	
	<i>For &gt;1000, Deduct</i>	-538.95	
26 56 19 00-0236	<b>LED Retrofit For Post Top, Traditional Area Fixtures (CREE® BetaLED® BXRA)</b> <small>(26 56 19 00-0236)</small> Note: Includes 2,700K or 4,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0376 for disposal of hazardous lamps.		
26 56 19 00-0237	EA LED Retrofit For Post Top, Holophane® Utility Granville Acorn Area Fixtures (CREE® BetaLED® BXRAAH53).....	704.81	92.36
	<i>For 0 To 10 Volt Dimming, Add</i>	50.37	
	<i>For &gt;50 To 100, Deduct</i>	-35.24	
	<i>For &gt;100 To 250, Deduct</i>	-52.86	
	<i>For &gt;250 To 500, Deduct</i>	-83.48	
	<i>For &gt;500 To 1000, Deduct</i>	-114.11	
	<i>For &gt;1000, Deduct</i>	-144.73	
26 56 19 00-0238	<b>LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT)</b> <small>(26 56 19 00-0238)</small> Note: Includes 3,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0376 for disposal of hazardous lamps.		
26 56 19 00-0239	EA LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT).....	438.46	19.70
	<i>For Backlight Control Shield, Add</i>	33.91	
	<i>For &gt;50 To 100, Deduct</i>	-21.92	
	<i>For &gt;100 To 250, Deduct</i>	-32.88	
	<i>For &gt;250 To 500, Deduct</i>	-52.84	
	<i>For &gt;500 To 1000, Deduct</i>	-72.79	
	<i>For &gt;1000, Deduct</i>	-92.74	
26 56 19 00-0240	<b>Surface Mount, LED Strip Fixtures (Sylvania)</b> <small>(26 56 19 00-0240)</small>		
26 56 19 00-0241	EA 4' Long, 5,200 Lumens, 40 Watt, Vapor Tight Dimmable LED Fixture (Sylvania VAPOR1B/040UNVD840/48EC/GR/D).....	428.83	36.23
	<i>For &gt;50 To 100, Deduct</i>	-21.44	
	<i>For &gt;100 To 250, Deduct</i>	-32.16	
	<i>For &gt;250 To 500, Deduct</i>	-52.24	
	<i>For &gt;500 To 1000, Deduct</i>	-72.32	
	<i>For &gt;1000, Deduct</i>	-92.40	

**26 56 21 HID Exterior Lighting** (26 56)

**26 Electrical****26 50 Lighting****26 56 Exterior Lighting**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 21	00-0001		High Mast Fixtures <small>(26 56 21)</small>		
26 56 21	00-0002		Metal Halide, High Mast Fixtures <small>(26 56 21 00-0001)</small>		
26 56 21	00-0003	EA	400 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux .....	1,645.74	152.44
26 56 21	00-0004	EA	400 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux .....	1,758.02	152.44
26 56 21	00-0005	EA	750 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux .....	1,744.93	174.14
26 56 21	00-0006	EA	750 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux .....	1,812.29	174.14
26 56 21	00-0007	EA	1,000 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux .....	1,836.66	217.68
26 56 21	00-0008	EA	1,000 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux .....	1,904.03	217.68
26 56 21	00-0009		High Pressure Sodium, High Mast Fixtures <small>(26 56 21 00-0001)</small>		
26 56 21	00-0010	EA	400 W High Mast HPS Fixture (VA 25 Type V) As Manufactured By Metrolux.....	1,700.24	152.44
26 56 21	00-0011	EA	400 W High Mast HPS Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux.....	1,767.61	152.44
26 56 21	00-0012	EA	600 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux .....	2,054.59	161.14
26 56 21	00-0013	EA	750 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux .....	2,105.68	174.14
26 56 21	00-0014	EA	1,000 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux .....	2,231.10	217.68
26 56 21	00-0015		HID, Pole Mounted <small>(26 56 21)</small>		
26 56 21	00-0016		Metal Halide, Pole Mounted <small>(26 56 21 00-0015)</small>		
26 56 21	00-0017	EA	175 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture .....	587.52	248.56
26 56 21	00-0018	EA	250 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture .....	658.74	269.81
26 56 21	00-0019	EA	400 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture .....	762.89	290.24
26 56 21	00-0020	EA	1,000 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture .....	977.57	340.16
26 56 21	00-0021		High Pressure Sodium, Pole Mounted <small>(26 56 21 00-0015)</small>		
26 56 21	00-0022	EA	100 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture .....	717.15	290.24
26 56 21	00-0023	EA	150 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture .....	738.17	290.24
26 56 21	00-0024	EA	175 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture .....	772.14	290.24
26 56 21	00-0025	EA	250 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture .....	860.99	290.24
26 56 21	00-0026	EA	400 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture .....	994.29	290.24
26 56 21	00-0027	EA	1,000 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture .....	945.23	290.24
26 56 21	00-0028		Low Pressure Sodium, Pole Mounted <small>(26 56 21 00-0015)</small>		
26 56 21	00-0029	EA	135 Watt Low Pressure Sodium Exterior Roadway Fixture, Enclosed And Gasketed .....	598.69	157.89
26 56 21	00-0030	EA	135 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed .....	667.68	232.19
26 56 21	00-0031	EA	180 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed .....	775.43	232.19
26 56 21	00-0032		Metal Halide, Area Fixtures <small>(26 56 21)</small>		
26 56 21	00-0033		Metal Halide, Pole Mount, Area Fixtures <small>(26 56 21 00-0032)</small>		
			Note: Includes pulse start ballast.		
26 56 21	00-0034	EA	150 Watt, Metal Halide Area Fixture, Pole Mount .....	962.28	154.61
26 56 21	00-0035	EA	175 Watt, Metal Halide Area Fixture, Pole Mount .....	1,056.07	170.07
26 56 21	00-0036	EA	250 Watt, Metal Halide Area Fixture, Pole Mount .....	1,167.60	185.53
26 56 21	00-0037	EA	400 Watt, Metal Halide Area Fixture, Pole Mount .....	1,237.42	216.45
26 56 21	00-0038		High Pressure Sodium, Area Fixtures <small>(26 56 21)</small>		
26 56 21	00-0039		Pole Mount, High Pressure Sodium Area Fixtures <small>(26 56 21 00-0038)</small>		
26 56 21	00-0040	EA	100 Watt, High Pressure Sodium Area Fixture, Pole Mount .....	798.86	123.69
26 56 21	00-0041	EA	150 Watt, High Pressure Sodium Area Fixture, Pole Mount .....	871.93	154.61
26 56 21	00-0042	EA	250 Watt, High Pressure Sodium Area Fixture, Pole Mount .....	948.04	185.53
26 56 21	00-0043	EA	400 Watt, High Pressure Sodium Area Fixture, Pole Mount .....	1,002.13	216.45
26 56 21	00-0044		Surface Mounted, Rectangular Exterior Area Fixture <small>(26 56 21)</small>		
26 56 21	00-0045		Metal Halide, Surface Mounted, Rectangular Exterior Area Fixture <small>(26 56 21 00-0044)</small>		
26 56 21	00-0046	EA	175 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture .....	555.83	232.19
			For Round Body, Add	27.70	
			For Spherical Dome Body, Add	54.31	
26 56 21	00-0047	EA	250 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture .....	629.31	261.21
			For Round Body, Add	33.56	
			For Spherical Dome Body, Add	65.81	
26 56 21	00-0048	EA	400 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture .....	746.78	290.24
			For Round Body, Add	44.79	
			For Spherical Dome Body, Add	87.83	
26 56 21	00-0049	EA	1,000 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture .....	962.59	340.16
			For Round Body, Add	50.77	
			For Spherical Dome Body, Add	99.56	
26 56 21	00-0050		High Pressure Sodium, Surface Mounted, Rectangular Exterior Area Fixture <small>(26 56 21 00-0044)</small>		
26 56 21	00-0051	EA	70 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro).....	527.71	198.53
			For Round Body, Add	30.28	
			For Spherical Dome Body, Add	59.37	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 21 00-0052 EA 100 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro).....	571.81	211.30
For Round Body, Add	33.81	
For Spherical Dome Body, Add	66.29	
26 56 21 00-0053 EA 150 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro).....	615.01	222.90
For Round Body, Add	36.97	
For Spherical Dome Body, Add	72.49	
26 56 21 00-0054 EA 175 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture.....	635.98	232.19
For Round Body, Add	37.91	
For Spherical Dome Body, Add	74.34	
26 56 21 00-0055 EA 250 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture.....	704.18	261.21
For Round Body, Add	43.11	
For Spherical Dome Body, Add	84.53	
26 56 21 00-0056 EA 400 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture.....	759.38	290.24
For Round Body, Add	46.40	
For Spherical Dome Body, Add	90.98	
26 56 21 00-0057 EA 1,000 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture.....	1,052.08	340.16
For Round Body, Add	62.18	
For Spherical Dome Body, Add	121.93	
<b>26 56 21 00-0058 Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures (26 56 21)</b>		
<b>26 56 21 00-0059 High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures (26 56 21 00-0058)</b>		
Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 21 00-0060 EA 35 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture .....	542.86	156.73
26 56 21 00-0061 EA 50 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture .....	568.80	174.14
26 56 21 00-0062 EA 70 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture .....	614.54	198.53
26 56 21 00-0063 EA 100 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture .....	634.81	211.30
26 56 21 00-0064 EA 150 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture .....	655.37	222.90
26 56 21 00-0065 EA 175 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture .....	685.70	232.19
26 56 21 00-0066 EA 250 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture .....	749.16	261.21
26 56 21 00-0067 EA 400 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture .....	890.40	290.24
<b>26 56 21 00-0068 Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures (26 56 21 00-0058)</b>		
Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 21 00-0069 EA 50 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture .....	600.07	174.14
26 56 21 00-0070 EA 70 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture .....	640.60	198.53
26 56 21 00-0071 EA 100 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture .....	666.30	211.30
26 56 21 00-0072 EA 150 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture .....	695.74	222.90
26 56 21 00-0073 EA 175 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture .....	711.44	232.19
26 56 21 00-0074 EA 250 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture .....	775.90	261.21
26 56 21 00-0075 EA 400 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture .....	963.26	290.24
<b>26 56 21 00-0076 Wall Packs (26 56 21)</b>		
<b>26 56 21 00-0077 Non Cutoff, Polycarbonate Lens, Mini Wall Packs (26 56 21 00-0076)</b>		
Note: Polycarbonate body and aluminum reflector. 11" x 6-1/2" x 5-1/4". Lithonia TWS.		
26 56 21 00-0078 EA 13 Watt Compact Fluorescent, Non Cutoff, Polycarbonate Lens, Mini Wall Pack .....	310.76	54.18
26 56 21 00-0079 EA 50 Watt Metal Halide, Non Cutoff, Polycarbonate Lens, Mini Wall Pack .....	332.54	54.18
26 56 21 00-0080 EA 35 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Mini Wall Pack.....	332.54	54.18
26 56 21 00-0081 EA 70 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Mini Wall Pack.....	438.10	54.18
<b>26 56 21 00-0082 Semi Cutoff, Polycarbonate Lens, Mini Wall Packs (26 56 21 00-0076)</b>		
Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWA.		
26 56 21 00-0083 EA 42 Watt Compact Fluorescent, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	608.50	54.18
26 56 21 00-0084 EA 50 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	616.33	54.18
26 56 21 00-0085 EA 70 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	623.10	54.18
26 56 21 00-0086 EA 100 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	610.75	54.18
26 56 21 00-0087 EA 70 Watt High Pressure Sodium, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	559.95	54.18
26 56 21 00-0088 EA 100 Watt High Pressure Sodium, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	532.04	54.18
<b>26 56 21 00-0089 Cutoff, Polycarbonate Lens, Mini Wall Packs (26 56 21 00-0076)</b>		
Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWAC.		
26 56 21 00-0090 EA 50 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack.....	640.64	54.18
26 56 21 00-0091 EA 70 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack.....	647.77	54.18
26 56 21 00-0092 EA 100 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack.....	635.44	54.18
26 56 21 00-0093 EA 70 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack.....	645.37	54.18
26 56 21 00-0094 EA 100 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack.....	645.37	54.18
<b>26 56 21 00-0095 Non Cutoff, Borosilicate Glass Lens, Small Wall Packs (26 56 21 00-0076)</b>		
Note: Aluminum body and reflector. 9" x 13" x 7-3/8". Lithonia TWR1.		
26 56 21 00-0096 EA 70 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack .....	612.74	72.18
26 56 21 00-0097 EA 100 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack .....	612.74	72.18
26 56 21 00-0098 EA 175 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack .....	574.51	72.18
26 56 21 00-0099 EA 70 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack .....	589.16	72.18
26 56 21 00-0100 EA 100 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack .....	589.16	72.18
26 56 21 00-0101 EA 150 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack .....	546.77	72.18

**26 Electrical****26 50 Lighting****26 56 Exterior Lighting**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 56 21 00-0102		<b>Cutoff, Borosilicate Glass Lens, Small Wall Packs</b> <small>(26 56 21 00-0076)</small>		
		Note: Aluminum body and reflector. 10-1/4" x 13" x 8-15/32". Lithonia TWR1C.		
26 56 21 00-0103	EA	70 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack .....	635.40	72.18
26 56 21 00-0104	EA	100 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack .....	635.40	72.18
26 56 21 00-0105	EA	175 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack .....	635.40	72.18
26 56 21 00-0106	EA	70 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack .....	612.91	72.18
26 56 21 00-0107	EA	100 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack .....	612.91	72.18
26 56 21 00-0108	EA	150 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack .....	612.91	72.18
26 56 21 00-0109		<b>Full Cutoff, Tempered Glass Lens, Small Wall Packs</b> <small>(26 56 21 00-0076)</small>		
		Note: Aluminum body and reflector. 9-3/8" x 14-3/8" x 8-3/4". Meets Nighttime Friendly criteria. Lithonia TWR1S.		
26 56 21 00-0110	EA	175 Watt Metal Halide, Full Cutoff, Tempered Glass Lens, Small Wall Pack .....	818.40	72.18
26 56 21 00-0111		<b>Cutoff, Borosilicate Glass Lens, Medium Wall Packs</b> <small>(26 56 21 00-0076)</small>		
		Note: Aluminum body and reflector. Lithonia TWR2.		
26 56 21 00-0112	EA	250 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack .....	772.13	89.41
		Note: 9-1/4" x 17-7/8" x 9-3/8".		
26 56 21 00-0113	EA	400 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack .....	823.96	89.41
		Note: 9-1/4" x 17-7/8" x 12-1/2".		
26 56 21 00-0114	EA	250 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack .....	885.76	89.41
		Note: 9-1/4" x 17-7/8" x 9-3/8".		
26 56 21 00-0115	EA	400 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack .....	902.77	89.41
		Note: 9-1/4" x 17-7/8" x 12-1/2".		
26 56 21 00-0116		<b>Cutoff, Tempered Glass Lens, Medium Wall Packs</b> <small>(26 56 21 00-0076)</small>		
		Note: Aluminum body and reflector. 10" x 17-1/8" x 14-1/2". Lithonia TWR2C.		
26 56 21 00-0117	EA	250 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack .....	838.80	89.41
26 56 21 00-0118	EA	400 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack .....	897.04	89.41
26 56 21 00-0119		<b>Non Cutoff, Polycarbonate Lens, Large Wall Packs</b> <small>(26 56 21 00-0076)</small>		
		Note: Polycarbonate body and powder coated reflector. 15-7/16" x 16-1/8" x 7-3/4". Lithonia TWP.		
26 56 21 00-0120	EA	100 Watt Metal Halide, Non Cutoff, Polycarbonate Lens, Large Wall Pack .....	777.43	108.38
26 56 21 00-0121	EA	175 Watt Metal Halide, Non Cutoff, Polycarbonate Lens, Large Wall Pack .....	715.75	108.38
26 56 21 00-0122	EA	70 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Large Wall Pack .....	763.16	108.38
26 56 21 00-0123	EA	100 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Large Wall Pack .....	767.88	108.38
26 56 21 00-0124	EA	150 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Large Wall Pack .....	772.83	108.38
26 56 21 00-0125		<b>Non Cutoff, Borosilicate Glass Lens, Large Wall Packs</b> <small>(26 56 21 00-0076)</small>		
		Note: Aluminum body and reflector. 15-3/4" x 16-1/4" x 8". Lithonia TWH.		
26 56 21 00-0126	EA	175 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack .....	777.45	108.38
26 56 21 00-0127	EA	250 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack .....	798.03	108.38
26 56 21 00-0128	EA	400 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack .....	859.71	108.38
26 56 21 00-0129	EA	150 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack .....	818.60	108.38
26 56 21 00-0130	EA	250 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack .....	839.18	108.38
26 56 21 00-0131	EA	400 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack .....	880.26	108.38
26 56 21 00-0132		<b>Semi Cutoff, Induction Wall Packs</b> <small>(26 56 21 00-0076)</small>		
26 56 21 00-0133		<b>Semi Cutoff, Induction Wall Packs (Everlast®)</b> <small>(26 56 21 00-0132)</small>		
		Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 21 00-0134	EA	70 Watt, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-70) .....	997.89	104.68
26 56 21 00-0135	EA	80 Watt, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-80) .....	1,018.99	110.84
26 56 21 00-0136	EA	100 Watt, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-100) .....	1,040.09	116.99
26 56 21 00-0137	EA	120 Watt, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-120) .....	1,157.83	123.16
26 56 21 00-0138		<b>Non Cutoff, Polycarbonate Lens, Small Wall Packs</b> <small>(26 56 21 00-0076)</small>		
26 56 21 00-0139	EA	15 Watt, Exterior, Non-Cutoff Small Wall Pack (Sylvania 60066-SMWLPAK1N/015UNV740/NC/BZ/P) .....	320.51	54.18
26 56 21 00-0140		<b>Induction, Roadway Lighting</b> <small>(26 56 21)</small>		
26 56 21 00-0141		<b>Induction Roadway Lighting (US Lighting Tech)</b> <small>(26 56 21 00-0140)</small>		
		Note: Includes gray powder coat finish heavy duty die cast aluminum body and flat glass lens.		
26 56 21 00-0142	EA	40 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511) .....	599.72	184.73
26 56 21 00-0143	EA	70 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511) .....	657.19	190.88
26 56 21 00-0144	EA	100 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511) .....	681.82	203.20
26 56 21 00-0145	EA	150 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511) .....	706.45	215.52
26 56 21 00-0146	EA	200 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511) .....	822.61	221.67
26 56 21 00-0147	EA	250 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511) .....	838.53	227.84
26 56 21 00-0148	EA	40 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512) .....	561.80	184.73
26 56 21 00-0149	EA	70 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512) .....	624.68	190.88
26 56 21 00-0150	EA	100 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512) .....	649.31	203.20
26 56 21 00-0151	EA	150 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512) .....	673.94	215.52
26 56 21 00-0152		<b>Induction, Area Fixtures</b> <small>(26 56 21)</small>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 21 00-0153			Post Top, Induction Area Fixtures <small>(26 56 21 00-0152)</small>		
26 56 21 00-0154			Post Top, Induction Area Fixtures (US Lighting Tech) <small>(26 56 21 00-0153)</small> Note: Includes black powder coat finish heavy duty die cast aluminum body and no-lite lid acrylic lens.		
26 56 21 00-0155	EA		40 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571).....	664.65	169.33
26 56 21 00-0156	EA		70 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571).....	717.03	169.33
26 56 21 00-0157	EA		100 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571).....	717.03	169.33
26 56 21 00-0158	EA		150 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571).....	717.03	169.33
26 56 21 00-0159			Surface Mount, Induction Parking Structure Fixtures <small>(26 56 21 00-0152)</small>		
26 56 21 00-0160			Surface Mount, Induction Parking Structure Fixtures (Everlast®) <small>(26 56 21 00-0159)</small>		
26 56 21 00-0161	EA		40 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	601.46	153.94
26 56 21 00-0162	EA		55 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	638.33	157.02
26 56 21 00-0163	EA		70 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	648.09	160.10
26 56 21 00-0164	EA		80 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	657.86	163.18
26 56 21 00-0165	EA		100 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	667.63	166.25
26 56 21 00-0166	EA		120 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	681.02	169.33
26 56 21 00-0167	EA		70/28 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	700.46	160.10
26 56 21 00-0168	EA		80/32 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	710.23	163.18
26 56 21 00-0169	EA		100/40 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	720.01	166.25
26 56 21 00-0170	EA		120/48 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	748.74	169.33
26 56 21 00-0171			Pole Mount, Induction Area Fixtures <small>(26 56 21 00-0152)</small>		
26 56 21 00-0172			Pole Mount, Bi-Level Induction Area Fixtures (Everlast® ESB-ED) <small>(26 56 21 00-0171)</small> Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 21 00-0173	EA		70 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-70).....	1,041.82	104.68
26 56 21 00-0174	EA		80 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-80).....	1,071.70	110.84
26 56 21 00-0175	EA		100 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-100).....	1,101.60	116.99

**END OF SECTION 26**

**26 Electrical**

26 50 Lighting

26 56 Exterior Lighting

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

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Building knowledge

# Job Order Contract Construction Task Catalog®

Book 3 of 3   CSI Divisions 27 - 40   June 2022

Natividad Medical Center



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## About the CTC:

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

## MasterFormat™

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



## The Unit Prices Include:

### LABOR COSTS:

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

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### EQUIPMENT COSTS:

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

### MATERIAL COSTS:

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

## The Adjustment Factors Include:

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

### BUSINESS COSTS:

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

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

PROJECT RELATED COSTS:

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

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

PRICE VARIATIONS:

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

SUMMARY:

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

**Unit Price X Quantity X Adjustment Factor**

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

**General Rules:**

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



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

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

#### DEMOLITION:

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

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

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

#### WORKING HEIGHT:

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

#### FIELD ENGINEERING:

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

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

### ASSEMBLIES:

- ☑ Assembly Tasks take precedence over individual component Tasks.

### RESTRICTED AND CONFINED SPACES:

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

### Or Equals:

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

### Useful Information:

#### UNIT OF MEASURE DEFINITIONS:

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

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

**MATERIAL WEIGHTS:**

**EARTHEN MATERIAL**

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

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

**BULK FACTORS FOR DEMOLITION:**

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

**CONVERSIONS:**

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

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

## STANDARD GEOMETRY:

### Circle

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

### Cylinder

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

### Sphere

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

**$\pi = 3.14159$**

### United Inch

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

## TRADEMARKS

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

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 27 Communications

Note: Termination costs are included with all communication equipment, panel boards, and devices. Terminations are not included with patch panels.

### 27 05 Common Work Results for Communications <sup>(27)</sup>

#### 27 05 26 Grounding and Bonding for Communications Systems <sup>(27 05)</sup>

See CSI section 26 05 26 00-0000 for grounding.

27 05 26 00-0001	EA	25 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 720-00).....	867.97	110.96
		Note: Excludes terminations.		
27 05 26 00-0002	EA	50 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 820-00).....	1,112.40	147.99
		Note: Excludes terminations.		
27 05 26 00-0003	EA	100 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 630-00).....	1,758.66	221.92
		Note: Excludes terminations.		
27 05 26 00-0004	EA	Lucent 3B1-EW, Gas Tube Protector Unit.....	10.50	1.63
27 05 26 00-0005	EA	44 Terminal Copper Ground Bus Bar (Siemens ECGK).....	71.76	29.32
27 05 26 00-0006	EA	2" x 1/4" x 12", TGB Pattern, Grounding Bus Bar.....	167.71	29.32
27 05 26 00-0007	EA	4" x 1/4" x 12", TMGB Pattern, Grounding Bus Bar.....	314.36	29.32
27 05 26 00-0008	EA	#6 AWG, Cable Runway Ground Strap.....	62.27	5.43
27 05 26 00-0009	EA	1/4" Screw Size, #6 AWG Compression Lug.....	22.28	5.43
27 05 26 00-0010	EA	3/8" Screw Size, #6 AWG Compression Lug.....	23.69	5.43
27 05 26 00-0011	EA	Two Mounting Hole, Ground Terminal Block.....	26.30	5.43

#### 27 05 29 Hangers and Supports for Communications Systems <sup>(27 05)</sup>

See CSI section 26 05 29 00-0000 for hangers and supports.

##### 27 05 29 00-0001 Communications And Low Voltage Cable Hooks (J-Hooks) <sup>(27 05 29)</sup>

##### 27 05 29 00-0002 Screw On Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) <sup>(27 05 29 00-0001)</sup>

Note: Includes screw.

27 05 29 00-0003	EA	3/4" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12).....	8.27	2.71
		<i>For &gt;50 To 100, Deduct</i>	-0.34	
		<i>For &gt;100 To 250, Deduct</i>	-0.69	
		<i>For &gt;250 To 500, Deduct</i>	-1.30	
		<i>For &gt;500, Deduct</i>	-1.91	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.46	
		<i>For Work In Restricted Working Space, Add</i>	1.63	
		<i>For Painted Powder Coated Finish, Add</i>	0.58	
27 05 29 00-0004	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21).....	8.71	2.71
		<i>For &gt;50 To 100, Deduct</i>	-0.35	
		<i>For &gt;100 To 250, Deduct</i>	-0.71	
		<i>For &gt;250 To 500, Deduct</i>	-1.33	
		<i>For &gt;500, Deduct</i>	-1.96	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.46	
		<i>For Work In Restricted Working Space, Add</i>	1.63	
		<i>For Painted Powder Coated Finish, Add</i>	2.02	
		<i>For Low Friction Xylan® Coated Finish, Add</i>	7.21	
27 05 29 00-0005	EA	2" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32).....	9.39	2.71
		<i>For &gt;50 To 100, Deduct</i>	-0.37	
		<i>For &gt;100 To 250, Deduct</i>	-0.74	
		<i>For &gt;250 To 500, Deduct</i>	-1.38	
		<i>For &gt;500, Deduct</i>	-2.03	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.46	
		<i>For Work In Restricted Working Space, Add</i>	1.63	
		<i>For Painted Powder Coated Finish, Add</i>	2.48	
		<i>For Low Friction Xylan® Coated Finish, Add</i>	8.97	
27 05 29 00-0006	EA	4" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64).....	15.30	2.71
		<i>For &gt;50 To 100, Deduct</i>	-0.52	
		<i>For &gt;100 To 250, Deduct</i>	-1.04	
		<i>For &gt;250 To 500, Deduct</i>	-1.83	
		<i>For &gt;500, Deduct</i>	-2.62	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.46	
		<i>For Work In Restricted Working Space, Add</i>	1.63	
		<i>For Painted Powder Coated Finish, Add</i>	1.33	
		<i>For Low Friction Xylan® Coated Finish, Add</i>	7.95	

##### 27 05 29 00-0007 Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) <sup>(27 05 29 00-0001)</sup>

Note: Includes screw.

27 05 29 00-0008	EA	3/4" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-RB).....	9.31	2.71
		<i>For &gt;50 To 100, Deduct</i>	-0.37	
		<i>For &gt;100 To 250, Deduct</i>	-0.74	
		<i>For &gt;250 To 500, Deduct</i>	-1.38	
		<i>For &gt;500, Deduct</i>	-2.02	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.46	
		<i>For Work In Restricted Working Space, Add</i>	1.63	

**27 Communications****27 05 Common Work Results for Communications****27 05 29 Hangers and Supports for Communications Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
27 05 29 00-0009	EA 1-5/16" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-RB) .....	11.96	2.71
	For >50 To 100, Deduct	-0.43	
	For >100 To 250, Deduct	-0.87	
	For >250 To 500, Deduct	-1.58	
	For >500, Deduct	-2.28	
	For Installation On Concrete (Includes Drilling And Fastener), Add	1.46	
	For Work In Restricted Working Space, Add	1.63	
27 05 29 00-0010	EA 2" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-RB) .....	13.26	2.71
	For >50 To 100, Deduct	-0.47	
	For >100 To 250, Deduct	-0.93	
	For >250 To 500, Deduct	-1.67	
	For >500, Deduct	-2.41	
	For Installation On Concrete (Includes Drilling And Fastener), Add	1.46	
	For Work In Restricted Working Space, Add	1.63	
27 05 29 00-0011	EA 4" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-RB) .....	17.88	2.71
	For >50 To 100, Deduct	-0.58	
	For >100 To 250, Deduct	-1.17	
	For >250 To 500, Deduct	-2.02	
	For >500, Deduct	-2.87	
	For Installation On Concrete (Includes Drilling And Fastener), Add	1.46	
	For Work In Restricted Working Space, Add	1.63	
27 05 29 00-0012	<b>Strut Attachment, Communications And Low Voltage Cable Hooks (J-Hooks)</b> (27 05 29 00-0001) Note: Excludes strut.		
27 05 29 00-0013	EA 3/4" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-SC4) .....	9.80	2.71
	For >50 To 100, Deduct	-0.38	
	For >100 To 250, Deduct	-0.76	
	For >250 To 500, Deduct	-1.41	
	For >500, Deduct	-2.07	
	For Work In Restricted Working Space, Add	1.63	
27 05 29 00-0014	EA 1-5/16" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-SC4) .....	11.57	2.71
	For >50 To 100, Deduct	-0.43	
	For >100 To 250, Deduct	-0.85	
	For >250 To 500, Deduct	-1.55	
	For >500, Deduct	-2.24	
	For Work In Restricted Working Space, Add	1.63	
27 05 29 00-0015	EA 2" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-SC4) .....	12.49	2.71
	For >50 To 100, Deduct	-0.45	
	For >100 To 250, Deduct	-0.90	
	For >250 To 500, Deduct	-1.62	
	For >500, Deduct	-2.34	
	For Work In Restricted Working Space, Add	1.63	
27 05 29 00-0016	EA 4" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-SC4) .....	16.86	2.71
	For >50 To 100, Deduct	-0.56	
	For >100 To 250, Deduct	-1.11	
	For >250 To 500, Deduct	-1.94	
	For >500, Deduct	-2.77	
	For Work In Restricted Working Space, Add	1.63	
27 05 29 00-0017	<b>T-Bar Attachment, Communications And Low Voltage Cable Hooks (J-Hooks)</b> (27 05 29 00-0001) Note: Excludes T-Bar.		
27 05 29 00-0018	EA 3/4" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-A28) .....	11.74	2.71
	For >50 To 100, Deduct	-0.43	
	For >100 To 250, Deduct	-0.86	
	For >250 To 500, Deduct	-1.56	
	For >500, Deduct	-2.26	
	For Work In Restricted Working Space, Add	1.63	
27 05 29 00-0019	EA 1-5/16" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-A28) .....	14.74	2.71
	For >50 To 100, Deduct	-0.50	
	For >100 To 250, Deduct	-1.01	
	For >250 To 500, Deduct	-1.78	
	For >500, Deduct	-2.56	
	For Work In Restricted Working Space, Add	1.63	
27 05 29 00-0020	EA 2" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-A28) .....	15.52	2.71
	For >50 To 100, Deduct	-0.52	
	For >100 To 250, Deduct	-1.05	
	For >250 To 500, Deduct	-1.84	
	For >500, Deduct	-2.64	
	For Work In Restricted Working Space, Add	1.63	
27 05 29 00-0021	<b>Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hooks (J-Hooks)</b> (27 05 29 00-0001) Note: Excludes threaded rod. See CSI section 26 05 29 00-0372 for threaded rod.		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 05 29 00-0022	EA	3/4" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-W6).....	9.56	2.71
		<i>For &gt;50 To 100, Deduct</i>	-0.37	
		<i>For &gt;100 To 250, Deduct</i>	-0.75	
		<i>For &gt;250 To 500, Deduct</i>	-1.40	
		<i>For &gt;500, Deduct</i>	-2.04	
		<i>For Work In Restricted Working Space, Add</i>	1.63	
27 05 29 00-0023	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-W6) .....	9.97	2.71
		<i>For &gt;50 To 100, Deduct</i>	-0.39	
		<i>For &gt;100 To 250, Deduct</i>	-0.77	
		<i>For &gt;250 To 500, Deduct</i>	-1.43	
		<i>For &gt;500, Deduct</i>	-2.08	
		<i>For Work In Restricted Working Space, Add</i>	1.63	
27 05 29 00-0024	EA	2" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-W6).....	12.05	2.71
		<i>For &gt;50 To 100, Deduct</i>	-0.44	
		<i>For &gt;100 To 250, Deduct</i>	-0.87	
		<i>For &gt;250 To 500, Deduct</i>	-1.58	
		<i>For &gt;500, Deduct</i>	-2.29	
		<i>For Work In Restricted Working Space, Add</i>	1.63	

**27 05 29 00-0025 Threaded Rod Attachment, Communications And Low Voltage Cable Hooks (J-Hooks)** (27 05 29 00-0001)

Note: Excludes threaded rod, nuts and washers. See CSI section 26 05 29 00-0372 for threaded rod, nuts and washers.

27 05 29 00-0026	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-AB).....	11.81	2.71
		<i>For &gt;50 To 100, Deduct</i>	-0.43	
		<i>For &gt;100 To 250, Deduct</i>	-0.86	
		<i>For &gt;250 To 500, Deduct</i>	-1.56	
		<i>For &gt;500, Deduct</i>	-2.27	
		<i>For Work In Restricted Working Space, Add</i>	1.63	
27 05 29 00-0027	EA	2" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-AB).....	12.78	2.71
		<i>For &gt;50 To 100, Deduct</i>	-0.46	
		<i>For &gt;100 To 250, Deduct</i>	-0.91	
		<i>For &gt;250 To 500, Deduct</i>	-1.64	
		<i>For &gt;500, Deduct</i>	-2.36	
		<i>For Work In Restricted Working Space, Add</i>	1.63	
27 05 29 00-0028	EA	4" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-AB).....	17.61	2.71
		<i>For &gt;50 To 100, Deduct</i>	-0.58	
		<i>For &gt;100 To 250, Deduct</i>	-1.15	
		<i>For &gt;250 To 500, Deduct</i>	-2.00	
		<i>For &gt;500, Deduct</i>	-2.85	
		<i>For Work In Restricted Working Space, Add</i>	1.63	

**27 05 29 00-0029 Beam Clamp Attachment, Communications And Low Voltage Cable Hooks (J-Hooks)** (27 05 29 00-0001)

27 05 29 00-0030	EA	3/4" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-C442A).....	11.67	2.71
		<i>For &gt;50 To 100, Deduct</i>	-0.43	
		<i>For &gt;100 To 250, Deduct</i>	-0.86	
		<i>For &gt;250 To 500, Deduct</i>	-1.55	
		<i>For &gt;500, Deduct</i>	-2.25	
		<i>For Work In Restricted Working Space, Add</i>	1.63	
27 05 29 00-0031	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-C442A).....	13.41	2.71
		<i>For &gt;50 To 100, Deduct</i>	-0.47	
		<i>For &gt;100 To 250, Deduct</i>	-0.94	
		<i>For &gt;250 To 500, Deduct</i>	-1.68	
		<i>For &gt;500, Deduct</i>	-2.43	
		<i>For Work In Restricted Working Space, Add</i>	1.63	
27 05 29 00-0032	EA	2" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-C442A).....	14.33	2.71
		<i>For &gt;50 To 100, Deduct</i>	-0.49	
		<i>For &gt;100 To 250, Deduct</i>	-0.99	
		<i>For &gt;250 To 500, Deduct</i>	-1.75	
		<i>For &gt;500, Deduct</i>	-2.52	
		<i>For Work In Restricted Working Space, Add</i>	1.63	
27 05 29 00-0033	EA	4" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-C442A).....	19.36	2.71
		<i>For &gt;50 To 100, Deduct</i>	-0.62	
		<i>For &gt;100 To 250, Deduct</i>	-1.24	
		<i>For &gt;250 To 500, Deduct</i>	-2.13	
		<i>For &gt;500, Deduct</i>	-3.02	
		<i>For Work In Restricted Working Space, Add</i>	1.63	

**27 05 29 00-0034 Adjustable Cable Supports (Caddy® CableCat CAT425)** (27 05 29)

**27 Communications****27 05 Common Work Results for Communications****27 05 29 Hangers and Supports for Communications Systems**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

27 05 29 00-0035	EA	Wall Mount, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425).....	33.02	3.58
		<i>For &gt;50 To 100, Deduct</i>	-1.10	
		<i>For &gt;100 To 250, Deduct</i>	-2.19	
		<i>For &gt;250 To 500, Deduct</i>	-3.83	
		<i>For &gt;500, Deduct</i>	-5.47	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	2.81	
		<i>For Work In Restricted Working Space, Add</i>	3.25	
27 05 29 00-0036	EA	Threaded Rod Or Horizontal Surface Mount, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425) .....	33.67	3.58
		<i>For &gt;50 To 100, Deduct</i>	-1.11	
		<i>For &gt;100 To 250, Deduct</i>	-2.23	
		<i>For &gt;250 To 500, Deduct</i>	-3.88	
		<i>For &gt;500, Deduct</i>	-5.54	
		<i>For Work In Restricted Working Space, Add</i>	3.25	
27 05 29 00-0037	EA	Up To 1/4" Flange, Hammer On Flange Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425) .....	37.04	3.58
		<i>For &gt;50 To 100, Deduct</i>	-1.20	
		<i>For &gt;100 To 250, Deduct</i>	-2.39	
		<i>For &gt;250 To 500, Deduct</i>	-4.13	
		<i>For &gt;500, Deduct</i>	-5.87	
		<i>For Work In Restricted Working Space, Add</i>	3.25	
27 05 29 00-0038	EA	>1/4" To 3/4" Flange, Hammer On Flange Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425) .....	32.91	3.58
		<i>For &gt;50 To 100, Deduct</i>	-1.09	
		<i>For &gt;100 To 250, Deduct</i>	-2.19	
		<i>For &gt;250 To 500, Deduct</i>	-3.82	
		<i>For &gt;500, Deduct</i>	-5.46	
		<i>For Work In Restricted Working Space, Add</i>	3.25	
27 05 29 00-0039	EA	Up To 1/2" Flange, Beam Clamp, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425) .....	34.47	3.58
		<i>For &gt;50 To 100, Deduct</i>	-1.13	
		<i>For &gt;100 To 250, Deduct</i>	-2.27	
		<i>For &gt;250 To 500, Deduct</i>	-3.94	
		<i>For &gt;500, Deduct</i>	-5.62	
		<i>For Work In Restricted Working Space, Add</i>	3.25	
27 05 29 00-0040	EA	>1/2" To 5/8" Flange, Beam Clamp, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425) .....	36.02	3.58
		<i>For &gt;50 To 100, Deduct</i>	-1.17	
		<i>For &gt;100 To 250, Deduct</i>	-2.34	
		<i>For &gt;250 To 500, Deduct</i>	-4.06	
		<i>For &gt;500, Deduct</i>	-5.77	
		<i>For Work In Restricted Working Space, Add</i>	3.25	
27 05 29 00-0041	EA	Up To 1/4" Flange, Hammer On Purlin Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425) .....	33.95	3.58
		<i>For &gt;50 To 100, Deduct</i>	-1.12	
		<i>For &gt;100 To 250, Deduct</i>	-2.24	
		<i>For &gt;250 To 500, Deduct</i>	-3.90	
		<i>For &gt;500, Deduct</i>	-5.56	
		<i>For Work In Restricted Working Space, Add</i>	3.25	

**27 05 33 Conduits and Backboxes for Communications Systems** <sup>(27 05)</sup>

See CSI section 26 05 33 00-0000 for conduit and boxes.

**27 05 36 Cable Trays for Communications Systems** <sup>(27 05)</sup>

See CSI section 26 05 36 00-0000 for cable trays.

**27 05 39 Surface Raceways for Communications Systems** <sup>(27 05)</sup>

See CSI section 26 05 33 00-0000 for surface raceways.

**27 05 43 Underground Ducts and Raceways for Communications Systems** <sup>(27 05)</sup>

See CSI section 26 05 43 00-0000 for underground ducts and raceways.

**27 05 46 Utility Poles for Communications Systems** <sup>(27 05)</sup>

See CSI section 26 05 46 00-0000 for utility poles.

**27 05 53 Identification for Communications Systems** <sup>(27 05)</sup>

See CSI section 26 05 53 00-0000 for identification.

**27 10 Structured Cabling** <sup>(27)</sup>

Note: Includes testing.

**27 11 Communications Equipment Room Fittings** <sup>(27 10)</sup>**27 11 16 Communications Cabinets, Racks, Frames, and Enclosures** <sup>(27 11)</sup>**27 11 16 00-0001 3/4" Fire Retardant Plywood Backboards** <sup>(27 11 16)</sup>

27 11 16 00-0002	EA	4' x 4' x 3/4" Fire Retardant Plywood Backboard .....	137.19	28.18
		<i>For Two Coats Of Non-Conductive, Fire Retardant Paint, Add</i>	51.90	
27 11 16 00-0003	EA	4' x 8' x 3/4" Fire Retardant Plywood Backboard .....	274.38	56.36
		<i>For Two Coats Of Non-Conductive, Fire Retardant Paint, Add</i>	103.80	

**27 11 16 00-0004 Terminal Cabinets** <sup>(27 11 16)</sup>

27 11 16 00-0005	EA	12" x 12" x 4" Phone Terminal Cabinet With Wood Backboard .....	327.03	81.28
27 11 16 00-0006	EA	18" x 12" x 4" Phone Terminal Cabinet With Wood Backboard .....	413.77	89.41
27 11 16 00-0007	EA	24" x 12" x 4" Phone Terminal Cabinet With Wood Backboard .....	476.11	102.95
27 11 16 00-0008	EA	18" x 18" x 4" Phone Terminal Cabinet With Wood Backboard .....	494.19	105.66



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 11 16 00-0009	EA 24" x 18" x 4" Phone Terminal Cabinet With Wood Backboard	605.37	108.38
27 11 16 00-0010	EA 26" x 36" x 4" Phone Terminal Cabinet With Wood Backboard	750.07	121.92
27 11 16 00-0011	EA 24" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	768.13	119.21
27 11 16 00-0012	EA 30" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	986.12	169.82
27 11 16 00-0013	EA 36" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	1,054.67	186.62
27 11 16 00-0014	EA 42" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	1,275.52	197.14
27 11 16 00-0015	EA 30" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	1,053.50	162.56
27 11 16 00-0016	EA 36" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	1,139.33	176.11
27 11 16 00-0017	EA 48" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	1,420.13	225.75
27 11 16 00-0018	EA 54" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	1,704.73	282.21
27 11 16 00-0019	EA 48" x 36" x 6" Phone Terminal Cabinet With Wood Backboard	1,935.09	279.06
27 11 16 00-0020	EA 60" x 36" x 6" Phone Terminal Cabinet With Wood Backboard	2,221.77	339.54
<b>27 11 16 00-0021</b>	<b>Equipment Racks And Cable Managers <small>(27 11 16)</small></b>		
<b>27 11 16 00-0022</b>	<b>Equipment Racks <small>(27 11 16 00-0021)</small></b> <small>Note: Electronics Industries Association EIA-310-D compliant. Includes aluminum construction with clear grained aluminum or black epoxy-polyester hybrid powder coat finish.</small>		
<b>27 11 16 00-0023</b>	<b>Standard Equipment Racks <small>(27 11 16 00-0022)</small></b>		
<b>27 11 16 00-0024</b>	<b>19" Width, Standard Equipment Racks <small>(27 11 16 00-0023)</small></b>		
27 11 16 00-0025	EA 84" Height, 19" Width, 3" Depth, 45U, Standard Equipment Rack (Chatsworth 55053-X03) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	530.90 9.21	173.40
27 11 16 00-0026	EA 96" Height, 19" Width, 3" Depth, 51U, Standard Equipment Rack (Chatsworth 55053-X15) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	731.77 18.17	184.24
27 11 16 00-0027	EA 108" Height, 19" Width, 3" Depth, 58U, Standard Equipment Rack (Chatsworth 55053-X08) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	790.13 20.00	195.07
<b>27 11 16 00-0028</b>	<b>Universal Equipment Racks <small>(27 11 16 00-0022)</small></b>		
<b>27 11 16 00-0029</b>	<b>Universal Equipment Racks <small>(27 11 16 00-0028)</small></b>		
<b>27 11 16 00-0030</b>	<b>19" Width, EIA Universal Equipment Racks <small>(27 11 16 00-0029)</small></b>		
27 11 16 00-0031	EA 36" Height, 19" Width, 3" Depth, 17U, EIA Universal Equipment Rack (Chatsworth 46353-X31) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	684.16 19.04	151.73
27 11 16 00-0032	EA 48" Height, 19" Width, 3" Depth, 24U, EIA Universal Equipment Rack (Chatsworth 46353-X20) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	746.61 21.89	154.43
27 11 16 00-0033	EA 60" Height, 19" Width, 3" Depth, 31U, EIA Universal Equipment Rack (Chatsworth 46353-X19) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	745.90 21.58	157.14
27 11 16 00-0034	EA 66" Height, 19" Width, 3" Depth, 34U, EIA Universal Equipment Rack (Chatsworth 46353-X00) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	764.94 22.26	159.86
27 11 16 00-0035	EA 72" Height, 19" Width, 3" Depth, 38U, EIA Universal Equipment Rack (Chatsworth 46353-X01) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	783.78 22.93	162.56
27 11 16 00-0036	EA 78" Height, 19" Width, 3" Depth, 41U, EIA Universal Equipment Rack (Chatsworth 46353-X02) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	804.15 23.68	165.27
27 11 16 00-0037	EA 84" Height, 19" Width, 3" Depth, 45U, EIA Universal Equipment Rack (Chatsworth 46353-X03) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	687.55 17.58	167.98
27 11 16 00-0038	EA 90" Height, 19" Width, 3" Depth, 48U, EIA Universal Equipment Rack (Chatsworth 46353-X05) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	843.75 25.12	170.69
27 11 16 00-0039	EA 96" Height, 19" Width, 3" Depth, 51U, EIA Universal Equipment Rack (Chatsworth 46353-X15) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	873.33 26.33	173.40
27 11 16 00-0040	EA 102" Height, 19" Width, 3" Depth, 55U, EIA Universal Equipment Rack (Chatsworth 46353-X17) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	899.19 27.35	176.11
27 11 16 00-0041	EA 108" Height, 19" Width, 3" Depth, 58U, EIA Universal Equipment Rack (Chatsworth 46353-X08) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	905.63 27.40	178.82
<b>27 11 16 00-0042</b>	<b>23" Width, Universal Equipment Racks <small>(27 11 16 00-0029)</small></b>		
27 11 16 00-0043	EA 36" Height, 23" Width, 3" Depth, 17U, Universal Equipment Rack (Chatsworth 46383-X31) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	723.23 20.99	151.73
27 11 16 00-0044	EA 48" Height, 23" Width, 3" Depth, 24U, Universal Equipment Rack (Chatsworth 46383-X20) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	748.06 21.96	154.43
27 11 16 00-0045	EA 60" Height, 23" Width, 3" Depth, 31U, Universal Equipment Rack (Chatsworth 46383-X19) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	769.96 22.78	157.14
27 11 16 00-0046	EA 66" Height, 23" Width, 3" Depth, 34U, Universal Equipment Rack (Chatsworth 46383-X00) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	810.69 24.55	159.86
27 11 16 00-0047	EA 72" Height, 23" Width, 3" Depth, 38U, Universal Equipment Rack (Chatsworth 46383-X01) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	830.88 25.29	162.56
27 11 16 00-0048	EA 78" Height, 23" Width, 3" Depth, 41U, Universal Equipment Rack (Chatsworth 46383-X02) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	852.81 26.11	165.27
27 11 16 00-0049	EA 84" Height, 23" Width, 3" Depth, 45U, Universal Equipment Rack (Chatsworth 46383-X03) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	736.77 20.04	167.98
27 11 16 00-0050	EA 90" Height, 23" Width, 3" Depth, 48U, Universal Equipment Rack (Chatsworth 46383-X05) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	895.40 27.70	170.69
27 11 16 00-0051	EA 96" Height, 23" Width, 3" Depth, 51U, Universal Equipment Rack (Chatsworth 46383-X15) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	927.42 29.03	173.40
27 11 16 00-0052	EA 102" Height, 23" Width, 3" Depth, 55U, Universal Equipment Rack (Chatsworth 46383-X17) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	955.42 30.16	176.11
27 11 16 00-0053	EA 108" Height, 23" Width, 3" Depth, 58U, Universal Equipment Rack (Chatsworth 46383-X08) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	961.95 30.22	178.82
<b>27 11 16 00-0054</b>	<b>35" Width, Universal Equipment Racks <small>(27 11 16 00-0029)</small></b>		
27 11 16 00-0055	EA 72" Height, 35" Width, 3" Depth, 38U, Universal Equipment Rack (Chatsworth 46363-X01) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	897.10 28.60	162.56

**27 Communications****27 10 Structured Cabling****27 11 Communications Equipment Room Fittings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0056	EA		84" Height, 35" Width, 3" Depth, 45U, Universal Equipment Rack (Chatsworth 46363-X03)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	944.44 30.42	167.98
<b>27 11 16 00-0057</b>			<b>UL Listed Universal Equipment Racks</b> (27 11 16 00-0028) Note: UL listed as a communications circuit accessory.		
<b>27 11 16 00-0058</b>			<b>19" Width, UL Listed Universal Equipment Racks</b> (27 11 16 00-0057)		
27 11 16 00-0059	EA		36" Height, 19" Width, 3" Depth, 17U, UL Listed Universal Equipment Rack (Chatsworth 48353-X31) ..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	722.24 20.94	151.73
27 11 16 00-0060	EA		48" Height, 19" Width, 3" Depth, 24U, UL Listed Universal Equipment Rack (Chatsworth 48353-X20) ..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	779.93 23.55	154.43
27 11 16 00-0061	EA		60" Height, 19" Width, 3" Depth, 31U, UL Listed Universal Equipment Rack (Chatsworth 48353-X19) ..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	791.92 23.88	157.14
27 11 16 00-0062	EA		66" Height, 19" Width, 3" Depth, 34U, UL Listed Universal Equipment Rack (Chatsworth 48353-X00) ..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	809.50 24.49	159.86
27 11 16 00-0063	EA		72" Height, 19" Width, 3" Depth, 38U, UL Listed Universal Equipment Rack (Chatsworth 48353-X01) ..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	829.63 25.23	162.56
27 11 16 00-0064	EA		78" Height, 19" Width, 3" Depth, 41U, UL Listed Universal Equipment Rack (Chatsworth 48353-X02) ..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	851.51 26.05	165.27
27 11 16 00-0065	EA		84" Height, 19" Width, 3" Depth, 45U, UL Listed Universal Equipment Rack (Chatsworth 48353-X03) ..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	872.53 26.83	167.98
27 11 16 00-0066	EA		90" Height, 19" Width, 3" Depth, 48U, UL Listed Universal Equipment Rack (Chatsworth 48353-X05) ..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	894.02 27.63	170.69
27 11 16 00-0067	EA		96" Height, 19" Width, 3" Depth, 51U, UL Listed Universal Equipment Rack (Chatsworth 48353-X15) ..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	926.01 28.96	173.40
27 11 16 00-0068	EA		102" Height, 19" Width, 3" Depth, 55U, UL Listed Universal Equipment Rack (Chatsworth 48353-X17) ..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	953.92 30.09	176.11
27 11 16 00-0069	EA		108" Height, 19" Width, 3" Depth, 58U, UL Listed Universal Equipment Rack (Chatsworth 48353-X08) ..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	960.39 30.14	178.82
<b>27 11 16 00-0070</b>			<b>23" Width, UL Listed Universal Equipment Racks</b> (27 11 16 00-0057)		
27 11 16 00-0071	EA		36" Height, 23" Width, 3" Depth, 17U, UL Listed Universal Equipment Rack (Chatsworth 48383-X31) ..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	765.25 23.09	151.73
27 11 16 00-0072	EA		48" Height, 23" Width, 3" Depth, 24U, UL Listed Universal Equipment Rack (Chatsworth 48383-X20) ..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	838.26 26.47	154.43
27 11 16 00-0073	EA		60" Height, 23" Width, 3" Depth, 31U, UL Listed Universal Equipment Rack (Chatsworth 48383-X19) ..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	849.02 26.74	157.14
27 11 16 00-0074	EA		66" Height, 23" Width, 3" Depth, 34U, UL Listed Universal Equipment Rack (Chatsworth 48383-X00) ..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	859.78 27.00	159.86
27 11 16 00-0075	EA		72" Height, 23" Width, 3" Depth, 38U, UL Listed Universal Equipment Rack (Chatsworth 48383-X01) ..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	881.44 27.82	162.56
27 11 16 00-0076	EA		78" Height, 23" Width, 3" Depth, 41U, UL Listed Universal Equipment Rack (Chatsworth 48383-X02) ..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	905.05 28.73	165.27
27 11 16 00-0077	EA		84" Height, 23" Width, 3" Depth, 45U, UL Listed Universal Equipment Rack (Chatsworth 48383-X03) ..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	927.65 29.58	167.98
27 11 16 00-0078	EA		90" Height, 23" Width, 3" Depth, 48U, UL Listed Universal Equipment Rack (Chatsworth 48383-X05) ..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	950.78 30.47	170.69
27 11 16 00-0079	EA		96" Height, 23" Width, 3" Depth, 51U, UL Listed Universal Equipment Rack (Chatsworth 48383-X15) ..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	985.47 31.93	173.40
27 11 16 00-0080	EA		102" Height, 23" Width, 3" Depth, 55U, UL Listed Universal Equipment Rack (Chatsworth 48383-X17) ..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,015.74 33.18	176.11
27 11 16 00-0081	EA		108" Height, 23" Width, 3" Depth, 58U, UL Listed Universal Equipment Rack (Chatsworth 48383-X08) ..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,022.47 33.24	178.82
<b>27 11 16 00-0082</b>			<b>4-Post Equipment Racks And Server Frames</b> (27 11 16 00-0022)		
<b>27 11 16 00-0083</b>			<b>4-Post Equipment Racks</b> (27 11 16 00-0082)		
27 11 16 00-0084	EA		19" Width, 29" Depth, 84" Height, 4-Post Equipment Rack (Chatsworth 50120-X03)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,456.79 45.75	270.94
27 11 16 00-0085	EA		19" Width, 29" Depth, 96" Height, 4-Post Equipment Rack (Chatsworth 50120-X15)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,589.50 51.30	281.78
27 11 16 00-0086	EA		19" Width, 29" Depth, 108" Height, 4-Post Equipment Rack (Chatsworth 50120-X08)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,714.73 56.48	292.61
<b>27 11 16 00-0087</b>			<b>4-Post Server Frame</b> (27 11 16 00-0082)		
27 11 16 00-0088	EA		19" Width, 29" Depth, 84" Height, Server Frame (Chatsworth 15053-X03) ..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,497.03 47.76	270.94
<b>27 11 16 00-0089</b>			<b>Cable Managers</b> (27 11 16 00-0021)		
<b>27 11 16 00-0090</b>			<b>Horizontal Cable Managers</b> (27 11 16 00-0089)		
<b>27 11 16 00-0091</b>			<b>Single-Sided, Horizontal Cable Managers</b> (27 11 16 00-0090)		
27 11 16 00-0092	EA		1U Height, 19" Width, 4.96" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30139-719).....	83.94	10.84
27 11 16 00-0093	EA		1U Height, 23" Width, 4.96" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30139-723).....	93.38	10.84
27 11 16 00-0094	EA		1U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-701).....	70.20	10.84
27 11 16 00-0095	EA		2U Height, 19" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30130-719).....	85.35	10.84
27 11 16 00-0096	EA		2U Height, 23" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30130-723).....	99.98	10.84
27 11 16 00-0097	EA		2U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-702).....	77.67	10.84
27 11 16 00-0098	EA		3U Height, 19" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30131-719).....	114.81	10.84
27 11 16 00-0099	EA		3U Height, 23" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30131-723).....	130.59	10.84
27 11 16 00-0100	EA		3U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-703).....	92.60	10.84

<b>27 11 16 00-0101</b>		<b>Double-Sided, Horizontal Cable Managers</b> <small>(27 11 16 00-0090)</small>		
27 11 16 00-0102	EA	1U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30529-719)	104.06	10.84
27 11 16 00-0103	EA	1U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30529-723)	116.52	10.84
27 11 16 00-0104	EA	2U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30530-719)	109.46	10.84
27 11 16 00-0105	EA	2U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30530-723)	127.29	10.84
27 11 16 00-0106	EA	3U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30531-719)	141.42	10.84
27 11 16 00-0107	EA	3U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30531-723)	158.27	10.84

<b>27 11 16 00-0108</b>		<b>Vertical Cable Managers</b> <small>(27 11 16 00-0089)</small>		
<b>27 11 16 00-0109</b>		<b>Single-Sided, Vertical Cable Managers</b> <small>(27 11 16 00-0108)</small>		
27 11 16 00-0110	EA	3.6" Width, 9.7" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-701)	187.44	16.26
27 11 16 00-0111	EA	6" Width, 9.8" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-701)	263.97	16.26
27 11 16 00-0112	EA	10" Width, 10.3" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-701)	424.50	16.26
27 11 16 00-0113	EA	12" Width, 10.4" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-701)	480.49	16.26
27 11 16 00-0114	EA	3.6" Width, 9.7" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-703)	200.50	16.26
27 11 16 00-0115	EA	6" Width, 9.8" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-703)	284.50	16.26
27 11 16 00-0116	EA	10" Width, 10.3" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-703)	461.83	16.26
27 11 16 00-0117	EA	12" Width, 10.4" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-703)	517.83	16.26
27 11 16 00-0118	EA	3.6" Width, 9.7" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-715)	226.64	16.26
27 11 16 00-0119	EA	6" Width, 9.8" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-715)	312.50	16.26
27 11 16 00-0120	EA	10" Width, 10.3" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-715)	517.83	16.26
27 11 16 00-0121	EA	12" Width, 10.4" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-715)	573.82	16.26

<b>27 11 16 00-0122</b>		<b>Double-Sided, Vertical Cable Managers</b> <small>(27 11 16 00-0108)</small>		
27 11 16 00-0123	EA	3.6" Width, 16.4" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-701)	271.43	16.26
27 11 16 00-0124	EA	6" Width, 16.6" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-701)	319.97	16.26
27 11 16 00-0125	EA	10" Width, 17.5" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-701)	517.83	16.26
27 11 16 00-0126	EA	12" Width, 17.8" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-701)	611.16	16.26
27 11 16 00-0127	EA	3.6" Width, 16.4" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-703)	293.83	16.26
27 11 16 00-0128	EA	6" Width, 16.6" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-703)	342.37	16.26
27 11 16 00-0129	EA	10" Width, 17.5" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-703)	555.16	16.26
27 11 16 00-0130	EA	12" Width, 17.8" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-703)	648.49	16.26
27 11 16 00-0131	EA	3.6" Width, 16.4" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-715)	323.70	16.26
27 11 16 00-0132	EA	6" Width, 16.6" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-715)	372.23	16.26
27 11 16 00-0133	EA	10" Width, 17.5" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-715)	611.16	16.26
27 11 16 00-0134	EA	12" Width, 17.8" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-715)	704.49	16.26

<b>27 11 16 00-0135</b>		<b>Accessories For Vertical Cable Managers</b> <small>(27 11 16 00-0108)</small>		
27 11 16 00-0136	EA	Cable Ring Kit For 3.6" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-716)	115.00	10.84
27 11 16 00-0137	EA	Cable Ring Kit For 3.6" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-717)	122.47	10.84
27 11 16 00-0138	EA	Cable Ring Kit For 3.6" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-718)	129.93	10.84
27 11 16 00-0139	EA	Cable Ring Kit For 6" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-726)	118.73	10.84
27 11 16 00-0140	EA	Cable Ring Kit For 6" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-727)	129.93	10.84
27 11 16 00-0141	EA	Cable Ring Kit For 6" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-728)	141.13	10.84
27 11 16 00-0142	EA	Cable Ring Kit For 10" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-746)	133.67	10.84
27 11 16 00-0143	EA	Cable Ring Kit For 10" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-747)	144.87	10.84
27 11 16 00-0144	EA	Cable Ring Kit For 10" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-748)	156.07	10.84
27 11 16 00-0145	EA	Cable Ring Kit For 12" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-756)	141.13	10.84
27 11 16 00-0146	EA	Cable Ring Kit For 12" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-757)	156.07	10.84
27 11 16 00-0147	EA	Cable Ring Kit For 12" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-758)	167.26	10.84
27 11 16 00-0148	EA	Cable Lashing Bar Kit For Vertical Cable Managers (Chatsworth 13928-001)	96.33	10.84
27 11 16 00-0149	EA	Cable Spool Kit For Vertical Cable Managers (Chatsworth 13935-701)	111.27	10.84
27 11 16 00-0150	EA	Cable Distribution Spools For Vertical Cable Managers (Chatsworth 15008-001)	116.31	10.84
27 11 16 00-0151	EA	Cable Distribution Spool Spacer Kit For Vertical Cable Managers (Chatsworth 35505-001)	73.93	10.84

**27 11 19 Communications Termination Blocks and Patch Panels** (27 11)

Note: The terminating, testing, and labeling of the cables in question should be done according to the task description as well as the current contract specifications. See CSI section 26 05 53 00-0020 for labeling.

<b>27 11 19 00-0001</b>		<b>Computer Network Components</b> <small>(27 11 19)</small>		
<b>27 11 19 00-0002</b>		<b>Ethernet Patch Panels</b> <small>(27 11 19 00-0001)</small>		
27 11 19 00-0003	EA	12 Port, Category 5E Patch Panel	254.65	54.18
27 11 19 00-0004	EA	24 Port, Category 5E Patch Panel	379.44	54.18
27 11 19 00-0005	EA	32 Port, Category 5E Patch Panel	497.53	54.18
27 11 19 00-0006	EA	48 Port, Category 5E Patch Panel	607.57	54.18
27 11 19 00-0007	EA	64 Port, Category 5E Patch Panel	801.34	67.74
27 11 19 00-0008	EA	96 Port, Category 5E Patch Panel	1,123.36	81.28
27 11 19 00-0009	EA	12 Port, Category 6 Patch Panel	315.04	54.18
27 11 19 00-0010	EA	24 Port, Category 6 Patch Panel	387.50	54.18
27 11 19 00-0011	EA	48 Port, Category 6 Patch Panel	666.61	54.18
27 11 19 00-0012	EA	96 Port, Category 6 Patch Panel	1,236.08	81.28
27 11 19 00-0013	EA	16" x 12" x 8" Steel Enclosure, Type 12, Hinged, Lockable (Hoffman A161208LP)	639.87	81.28
27 11 19 00-0014	EA	16" x 16" x 6" Steel Enclosure, Type 12, Hinged, Lockable (Hoffman A161606LP)	673.71	81.28
27 11 19 00-0015	EA	12 Port, Category 6 Modular to 110 Mini Patch Panel (Ortronics-Legrand OR-PMP61289)	266.70	54.18
27 11 19 00-0016	EA	Terminate One End Of A 4 Pair Cable To Category "X" Specifications	38.39	
		<i>For &gt;5 To 10 Cables, Deduct</i>	-6.91	
		<i>For &gt;10 Cables, Deduct</i>	-15.36	

**27 Communications****27 10 Structured Cabling****27 11 Communications Equipment Room Fittings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 19 00-0017	EA		Terminate One End Of A Twisted Pair Of Wires..... Note: Per each pair For >20 To 40 Pairs, Deduct For >40 Pairs, Deduct	10.56  -1.69 -4.01	
27 11 19 00-0018			<b>Fiber Optic Cable Patch Panels And Enclosures</b> (27 11 19 00-0001)		
27 11 19 00-0019			<b>Fiber Optic Cable Connector Housings</b> (27 11 19 00-0018)		
27 11 19 00-0020			<b>Wall Mount, Fiber Optic Cable Connector Housings</b> (27 11 19 00-0019) Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.		
27 11 19 00-0021	EA		1-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing .....	138.44	24.38
27 11 19 00-0022	EA		2-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing .....	208.22	24.38
27 11 19 00-0023	EA		4-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing .....	311.48	24.38
27 11 19 00-0024	EA		6-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing .....	458.97	40.64
27 11 19 00-0025	EA		12-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing .....	642.79	40.64
27 11 19 00-0026			<b>Rack Mount, Fiber Optic Cable Connector Housings</b> (27 11 19 00-0019) Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.		
27 11 19 00-0027	EA		2-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing .....	477.81	40.64
27 11 19 00-0028	EA		4-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing .....	547.90	40.64
27 11 19 00-0029	EA		6-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing .....	590.77	40.64
27 11 19 00-0030	EA		12-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing .....	694.36	40.64
27 11 19 00-0031			<b>Rack Mount, Fiber Optic Cable Pretium® Connector Housings</b> (27 11 19 00-0019) Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.		
27 11 19 00-0032	EA		2-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing .....	597.93	40.64
			For Splice Tray Bracket, Add	64.84	
27 11 19 00-0033	EA		4-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing .....	702.19	40.64
			For Splice Tray Bracket, Add	70.91	
27 11 19 00-0034	EA		12-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing .....	877.89	40.64
			For Splice Tray Bracket, Add	258.32	
27 11 19 00-0035			<b>Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housings</b> (27 11 19 00-0019) Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.		
27 11 19 00-0036	EA		8 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing .....	761.52	40.64
27 11 19 00-0037	EA		12 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing .....	976.50	40.64
27 11 19 00-0038	EA		24 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing .....	1,106.81	40.64
27 11 19 00-0039	EA		48 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing .....	1,439.17	40.64
27 11 19 00-0040			<b>Wall Mount, Fiber Optic Cable Industrial Connector Housings</b> (27 11 19 00-0019) Note: Includes powder-coat finish, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.		
27 11 19 00-0041	EA		2-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing .....	682.85	24.38
27 11 19 00-0042	EA		6-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing .....	942.85	40.64
27 11 19 00-0043	EA		12-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing .....	989.92	40.64
27 11 19 00-0044			<b>Wall Mount, Fiber Optic Cable Environmental Connector Housings</b> (27 11 19 00-0019) Note: Includes NEMA 4X enclosure, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.		
27 11 19 00-0045	EA		2-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing .....	715.38	24.38
27 11 19 00-0046	EA		6-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing .....	942.28	40.64
27 11 19 00-0047	EA		12-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing .....	1,108.81	40.64
27 11 19 00-0048			<b>Fiber Optic Cable Connector Panels</b> (27 11 19 00-0018)		
27 11 19 00-0049			<b>SC Simplex, Fiber Optic Cable Connector Panels</b> (27 11 19 00-0048)		
27 11 19 00-0050	EA		6-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel .....	93.48	5.42
27 11 19 00-0051	EA		6-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel .....	101.56	5.42
27 11 19 00-0052	EA		8-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel .....	114.09	5.42
27 11 19 00-0053	EA		8-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel .....	124.86	5.42
27 11 19 00-0054	EA		12-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel .....	155.37	5.42
27 11 19 00-0055	EA		12-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel .....	171.47	5.42
27 11 19 00-0056			<b>SC Duplex, Fiber Optic Cable Connector Panels</b> (27 11 19 00-0048)		
27 11 19 00-0057	EA		6-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel .....	89.90	5.42
27 11 19 00-0058	EA		6-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel .....	91.80	5.42
27 11 19 00-0059	EA		8-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel .....	109.36	5.42
27 11 19 00-0060	EA		8-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel .....	111.88	5.42
27 11 19 00-0061	EA		12-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel .....	148.26	5.42
27 11 19 00-0062	EA		12-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel .....	152.01	5.42
27 11 19 00-0063			<b>LC Duplex, Fiber Optic Cable Connector Panels</b> (27 11 19 00-0048)		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 11 19 00-0064	EA	6-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel .....	97.19	5.42
27 11 19 00-0065	EA	6-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel .....	106.71	5.42
27 11 19 00-0066	EA	8-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel .....	119.05	5.42
27 11 19 00-0067	EA	8-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel .....	131.75	5.42
27 11 19 00-0068	EA	12-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel .....	162.80	5.42
27 11 19 00-0069	EA	12-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel .....	181.82	5.42
27 11 19 00-0070	EA	16-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel .....	206.54	5.42
27 11 19 00-0071	EA	16-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel .....	231.89	5.42
27 11 19 00-0072	EA	24-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel .....	294.00	5.42
27 11 19 00-0073	EA	24-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel .....	302.83	5.42
<b>27 11 19 00-0074</b>		<b>ST Simplex, Fiber Optic Cable Connector Panels</b> (27 11 19 00-0048)		
27 11 19 00-0075	EA	6-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel .....	77.48	5.42
27 11 19 00-0076	EA	6-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel .....	83.59	5.42
27 11 19 00-0077	EA	8-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel .....	92.78	5.42
27 11 19 00-0078	EA	8-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel .....	100.93	5.42
27 11 19 00-0079	EA	12-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel .....	123.35	5.42
27 11 19 00-0080	EA	12-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel .....	135.59	5.42
<b>27 11 19 00-0081</b>		<b>MT-RJ, Fiber Optic Cable Connector Panels</b> (27 11 19 00-0048)		
27 11 19 00-0082	EA	12-Fiber, Multimode, MT-RJ, Fiber Optic Cable Connector Panel .....	96.62	5.42
27 11 19 00-0083	EA	12-Fiber, Singlemode, MT-RJ, Fiber Optic Cable Connector Panel .....	145.22	5.42
<b>27 11 19 00-0084</b>		<b>Fiber Optic Cable Pretium Edge® Modules</b> (27 11 19 00-0048)		
27 11 19 00-0085	EA	12-Fiber, Singlemode, LC Duplex To MTP, Fiber Optic Cable Pretium Edge® Module .....	841.89	5.42
27 11 19 00-0086	EA	12-Fiber, Multimode, LC Duplex To MTP, Fiber Optic Cable Pretium Edge® Module .....	844.82	5.42
<b>27 11 19 00-0087</b>		<b>Fiber Optic Cable Splice Housings</b> (27 11 19 00-0018)		
<b>27 11 19 00-0088</b>		<b>Wall Mount, Fiber Optic Cable Splice Housings</b> (27 11 19 00-0087) Note: Includes mounting hardware. Excludes splice trays.		
27 11 19 00-0089	EA	12 Splice Tray Capacity, Wall Mount, Fiber Optic Splice Housing With Locking Door .....	324.87	54.18
<b>27 11 19 00-0090</b>		<b>Rack Mount, Fiber Optic Cable Splice Housings</b> (27 11 19 00-0087) Note: Includes mounting hardware. Excludes splice trays.		
27 11 19 00-0091	EA	12 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing .....	496.02	40.64
27 11 19 00-0092	EA	22 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing .....	503.60	40.64
<b>27 11 19 00-0093</b>		<b>Fiber Optic Cable Splice Trays</b> (27 11 19 00-0087)		
27 11 19 00-0094	EA	Fiber Optic Cable Splice Tray .....	93.35	13.54
<b>27 11 19 00-0095</b>		<b>Fiber Optic Cable Jumper Management Panels</b> (27 11 19 00-0018) Note: Includes mounting hardware.		
27 11 19 00-0096	EA	Rack Mount, Fiber Optic Cable Jumper Management Panel .....	178.07	40.64
<b>27 11 19 00-0097</b>		<b>Miscellaneous Accessories</b> (27 11 19 00-0001)		
27 11 19 00-0098	EA	Wall Mount Bracket For 12 Or 24 Port Patch Panel .....	66.36	
27 11 19 00-0099	EA	Wall Mount Bracket For 32 Or 48 Port Patch Panel .....	88.80	
27 11 19 00-0100	EA	Wall Mount Bracket For 64 Or 72 Port Patch Panel .....	96.68	
27 11 19 00-0101	EA	Wall Mount Bracket For 96 Port Patch Panel .....	107.61	
27 11 19 00-0102	EA	Lightning Protection Plus Stainless Steel Modules, Siemon .....	437.42	54.18
<b>27 11 19 00-0103</b>		<b>Telephone Components</b> (27 11 19)		
<b>27 11 19 00-0104</b>		<b>Terminal Blocks With Wide Range Of 22-8 AWG</b> (27 11 19 00-0103)		
27 11 19 00-0105	EA	Terminal Block, Circuit Isolation Switch With Wire Range 22-8 AWG .....	31.30	10.86
27 11 19 00-0106	EA	Terminal Block, Fuse Holder 600 Volt, 6.3 Amperes With Wire Range 22-8 AWG .....	58.30	10.86
27 11 19 00-0107	EA	Terminal Block, Fuse Holder 600 Volt, 10 Amperes With Wire Range 22-8 AWG .....	47.25	10.86
27 11 19 00-0108	EA	Terminal Block, Solderless Box With Lugs And Wire Range 22-8 AWG .....	24.37	10.86
27 11 19 00-0109	EA	Flat Terminal Block Connection With Wire Range 22-8 AWG .....	17.29	7.60
27 11 19 00-0110	EA	Ground Terminal Block With Wire Range 22-8 AWG .....	32.47	10.86
27 11 19 00-0111	EA	Terminal Block, Solderless Box With Lug 600 Volt, 60 Amperes With Wire Range 22-8 AWG .....	24.37	10.86
27 11 19 00-0112	EA	Terminal Block, Mini Box Lug 300 Volt, 30 Amperes With Wire Range 22-8 AWG .....	17.12	7.60
27 11 19 00-0113	EA	Flat Terminal Block Connection 300 Volt, 20 Amperes With Wire Range 22-8 AWG .....	17.00	7.60
27 11 19 00-0114	EA	Self Lifting Terminal Block, 300 Volt, 40 Amperes, Wire Connection With Wire Range 22-12 AWG .....	17.53	7.60
<b>27 11 19 00-0115</b>		<b>Terminal Block Mounting Channel</b> (27 11 19 00-0103)		
27 11 19 00-0116	EA	Terminal Block Mounting Channel, .5 M Galvanized Steel .....	16.50	5.43
27 11 19 00-0117	EA	Terminal Block Mounting Channel, 1 M Galvanized Steel .....	21.09	5.43
27 11 19 00-0118	EA	Terminal Block Mounting Channel, 2 M Galvanized Steel .....	29.13	5.43
27 11 19 00-0119	EA	Terminal Block Mounting Channel, .5 M Bi-Chrome Zinc .....	21.03	6.52
27 11 19 00-0120	EA	Terminal Block Mounting Channel, 1 M Bi-Chrome Zinc .....	28.64	6.52
27 11 19 00-0121	EA	Terminal Block Mounting Channel, 2 M Bi-Chrome Zinc .....	41.16	6.52

**27 Communications**  
**27 10 Structured Cabling**  
**27 11 Communications Equipment Room Fittings**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

27 11 19 00-0122		Outlet Termination Hardware (27 11 19 00-0103)			
27 11 19 00-0123	EA	Telephone Outlet Blocks.....	31.14	5.43	
27 11 19 00-0124	EA	Phone Outlet Block For Floor Box.....	90.57	41.18	
		Note: Excludes box.			
27 11 19 00-0125	EA	Fiber Optic "SC" Type Modular Bulkhead.....	78.04	24.38	
27 11 19 00-0126	EA	Fiber Optic "ST" Type Modular Bulkhead.....	78.04	24.38	
27 11 19 00-0127	EA	Type "F" Coaxial Connector Male.....	45.92	16.26	
27 11 19 00-0128	EA	Modular Plate For 3-RJ-45, 4 - "SC" And 1 -"F" Connector.....	116.37	27.10	
27 11 19 00-0129	EA	Modular Plate For 3-RJ-45, 4 - "ST" And 1 -"F" Connector.....	116.37	27.10	
27 11 19 00-0130	EA	Access Floor Box With 3-RJ-45, 4 - "SC" And 1 -"F" Connector.....	139.54	27.10	
27 11 19 00-0131	EA	Access Floor Box With 3-RJ-45, 4 - "ST" And 1 -"F" Connector.....	139.54	27.10	
27 11 19 00-0132	EA	Access Floor Box With 2-RJ-45, 4 - "SC" And 1 -25 Pin Connector.....	127.35	27.10	
27 11 19 00-0133	EA	Terminal Type - Punch Down Block 110 Type - 300 Pair Category 5.....	1,090.42	135.46	
27 11 19 00-0134	EA	Wiring (Punch Down) Block with Stand-Off Legs, 100 Pair, Category V.....	54.71	10.84	
		Note: Excludes cable terminations.			
27 11 19 00-0135	EA	5-Pair, Connecting Block.....	3.31	1.08	
27 11 19 00-0136	EA	4-Pair, Connecting Block.....	3.57	1.08	
27 11 19 00-0137	EA	Plastic Label Holder, Transparent.....	13.45	2.71	
27 11 19 00-0138	EA	Marked Label, White, 5-Pair.....	3.69		
27 11 19 00-0139	EA	Marked Label, Blue, 4-Pair.....	3.69		

27 11 19 00-0140		Terminations in Manhole or Junction Box (27 11 19 00-0103)			
27 11 19 00-0141	EA	25 Pair Cable Termination In Manhole Or Junction Box.....	173.40		
27 11 19 00-0142	EA	50 Pair Cable Termination In Manhole Or Junction Box.....	346.80		
27 11 19 00-0143	EA	100 Pair Cable Termination In Manhole Or Junction Box.....	693.59		
27 11 19 00-0144	EA	150 Pair Cable Termination In Manhole Or Junction Box.....	1,040.39		
27 11 19 00-0145	EA	200 Pair Cable Termination In Manhole Or Junction Box.....	1,217.04		
27 11 19 00-0146	EA	300 Pair Cable Termination In Manhole Or Junction Box.....	1,825.02		
27 11 19 00-0147	EA	400 Pair Cable Termination In Manhole Or Junction Box.....	2,295.36		
27 11 19 00-0148	EA	500 Pair Cable Termination In Manhole Or Junction Box.....	2,869.74		
27 11 19 00-0149	EA	750 Pair Cable Termination In Manhole Or Junction Box.....	4,304.59		
27 11 19 00-0150	EA	1,000 Pair Cable Termination In Manhole Or Junction Box.....	5,220.34		
27 11 19 00-0151	EA	1,200 Pair Cable Termination In Manhole Or Junction Box.....	5,949.78		

**27 11 23 Communications Cable Management and Ladder Rack (27 11)**

27 11 23 00-0001		Equipment Supports (27 11 23)			
27 11 23 00-0002	EA	110 Jumper Trough (Commscope 107831133).....	33.46	5.42	
27 11 23 00-0003	LF	Velcro CMP.....	2.67	1.08	
27 11 23 00-0004	EA	12" x 5'-11" Tubular Runway.....	104.79	26.01	
27 11 23 00-0005	EA	12" x 9'-11" Tubular Runway.....	180.68	43.35	
27 11 23 00-0006	EA	Shelf Bracket Support For Tubular Runway.....	33.20	8.13	
27 11 23 00-0007	EA	Straight Clamp Hardware For Tubular Runway.....	14.34	5.42	
27 11 23 00-0008	EA	Corner Clamp Hardware For Tubular Runway.....	15.21	5.42	
27 11 23 00-0009	EA	90 Degree Edge Clamp Hardware For Tubular Runway.....	34.71	9.75	
27 11 23 00-0010	EA	Wall Angle Assembly Hardware For 12" Wide Tubular Runway.....	73.58	16.26	
27 11 23 00-0011	EA	J-Bolt Hardware For Tubular Runway.....	6.74	2.39	
27 11 23 00-0012	EA	T Bracket Hardware For Tubular Runway.....	37.95	13.54	

**27 13 Communications Backbone Cabling (27 10)**

**27 13 13 Communications Copper Backbone Cabling (27 13)**

**27 13 13 13 Communications Copper Cable Splicing and Terminations (27 13 13)**

27 13 13 13-0001		Modular Plugs For Copper Communications Cable (27 13 13 13)			
27 13 13 13-0002	EA	Modular Plug For Non-Shielded Copper Communications Cable.....	25.86		
		Note: Up to 8-position/8-contact non-shielded modular plug for solid or stranded wire. Includes termination.			
		For >5 To 10, Deduct	-3.24		
		For >10, Deduct	-6.49		
27 13 13 13-0003	EA	Modular Plug For Shielded Copper Communications Cable.....	29.46		
		Note: Up to 8-position/8-contact shielded modular plug for solid or stranded wire. Includes termination.			
		For >5 To 10, Deduct	-3.65		
		For >10, Deduct	-7.30		

**27 13 13 13-0004 Communications Termination Blocks (27 13 13 13)**

27 13 13 13-0005	EA	100-Pair, 110 Block With Legs.....	52.27	13.54	
27 13 13 13-0006	EA	300-Pair, 110 Block With Legs.....	88.89	13.54	
27 13 13 13-0007	EA	Clear Label Holder For 110 Wiring Block.....	11.55	5.42	
27 13 13 13-0008	EA	4-Pair, 110C Connecting Block.....	6.53	2.71	
27 13 13 13-0009	EA	5-Pair, 110C Connecting Block.....	6.66	2.71	
27 13 13 13-0010	EA	100-Pair, 110 Jack Panel System.....	284.78	16.26	
		Note: Includes twelve 8-pin modular jacks and mounting legs.			
27 13 13 13-0011	EA	300-Pair, 110 Jack Panel System.....	673.49	16.26	
		Note: Includes twelve 8-pin modular jacks and mounting legs.			

**27 13 13 13-0012 Testing And Certification Of Copper Communications Cable (27 13 13 13)**

27 13 13 13-0013	EA	Test 1-Pair Of A Copper Communications Cable For Continuity.....	5.42		
		Note: Use for existing systems.			
		For >25-Pair, Deduct	-2.16		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 13 13 13-0014	EA		Certify 1-Pair Of A Copper Communications Cable..... <i>For &gt;25-Pair, Deduct</i>	8.13 -3.24	
27 13 13 13-0015	EA		Certify And Document 1-Pair Of A Copper Communications Cable..... <i>For &gt;25-Pair, Deduct</i>	13.00 -5.19	
27 13 13 13-0016	EA		Test 4-Pair Category 5-7 Telecommunications Cable For Continuity..... <i>For &gt;25-Pair, Deduct</i>	21.67 -8.65	
27 13 13 13-0017	EA		Certify 4-Pair Category 5-7 Telecommunications Cable..... <i>For &gt;25-Pair, Deduct</i>	32.51 -12.97	
27 13 13 13-0018	EA		Certify And Document 4-Pair Category 5-7 Telecommunications Cable..... <i>For &gt;25-Pair, Deduct</i>	52.02 -20.76	

**27 13 13 13-0019 Building Entrance Terminals (27 13 13 13)**

27 13 13 13-0020	EA		25 Pair Gas Protective Unit Assembly Complete With Gas Protector.....	1,653.72	237.61
27 13 13 13-0021	EA		50 Pair Gas Protective Unit Assembly Complete With Gas Protector.....	2,274.26	396.01
27 13 13 13-0022	EA		100 Pair Gas Protective Unit Assembly Complete With Gas Protector.....	3,287.01	634.13

**27 13 23 Communications Optical Fiber Backbone Cabling (27 13)**

**27 13 23 13 Communications Optical Fiber Splicing and Terminations (27 13 23)**

**27 13 23 13-0001 Fiber Optic Cable Splice Closures (27 13 23 13)**

Note: Includes mounting hardware. Excludes splicing and splice trays.					
27 13 23 13-0002	EA		Up To 144-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure.....	812.97	108.38
27 13 23 13-0003	EA		Up To 144-Fiber Capacity, Underground Fiber Optic Cable Splice Closure.....	1,029.71	216.75
27 13 23 13-0004	EA		Up To 144-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure.....	1,029.71	216.75
27 13 23 13-0005	EA		Up To 288-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure.....	1,352.45	108.38
27 13 23 13-0006	EA		Up To 288-Fiber Capacity, Underground Fiber Optic Cable Splice Closure.....	1,569.19	216.75
27 13 23 13-0007	EA		Up To 288-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure.....	1,569.19	216.75
27 13 23 13-0008	EA		Splice Tray For Fiber Optic Cable Splice Closure.....	57.15	13.54
Note: Up to 12-fiber, mechanical or fusion splice tray. Excludes splice.					

**27 13 23 13-0009 Fiber Optic Cable Splicing (27 13 23 13)**

27 13 23 13-0010	EA		Single Strand, Fusion Splice Of Fiber Optic Cable.....	32.51	
27 13 23 13-0011	EA		12-Strand Ribbon, Fusion Splice Of Fiber Optic Cable.....	108.38	

**27 13 23 13-0012 Fiber Optic Cable Testing (27 13 23 13)**

Note: Price based on testing one wavelength.

**27 13 23 13-0013 Fiber Optic Cable Testing Using An OTDR (27 13 23 13-0012)**

Note: Testing using an optical time domain reflectometer.					
27 13 23 13-0014	EA		Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test..... <i>For &gt;12 To 48 Strands, Deduct</i>	21.67 -1.63 -2.17	
27 13 23 13-0015	EA		Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test..... <i>For &gt;12 To 48 Strands, Deduct</i>	32.51 -2.44 -3.25	
27 13 23 13-0016	EA		Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test With Documentation..... <i>For &gt;12 To 48 Strands, Deduct</i>	54.18 -4.06 -5.42	
27 13 23 13-0017	EA		Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test With Documentation..... <i>For &gt;12 To 48 Strands, Deduct</i>	81.28 -6.10 -8.13	

**27 13 23 13-0018 Fiber Optic Cable Testing Using A Power Meter (27 13 23 13-0012)**

27 13 23 13-0019	EA		Test 1-Strand Of Fiber Optic Cable Using A Single Directional Power Meter Test..... <i>For &gt;12 To 48 Strands, Deduct</i>	21.67 -1.63 -2.17	
27 13 23 13-0020	EA		Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional Power Meter Test..... <i>For &gt;12 To 48 Strands, Deduct</i>	32.51 -2.44 -3.25	

**27 13 23 13-0021 Fiber Optic Cable Light Source/Continuity Testing (27 13 23 13-0012)**

27 13 23 13-0022	EA		Test 1-Strand Of Fiber Optic Cable Using A Light Source/Continuity Test..... <i>For &gt;12 To 48 Strands, Deduct</i>	21.67 -1.63 -2.17	
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**27 13 23 13-0023 Other Fiber Optic Cable Splicing (27 13 23 13)**

27 13 23 13-0024	EA		Fiber Optic Finger Splice.....	36.98	20.37
27 13 23 13-0025	EA		Fiber Optic Splice Box - Manholes.....	5,582.70	

**27 13 23 13-0026 Fiber Optic Cable Fan Out Kits (27 13 23 13)**

**27 13 23 13-0027 Buffer Tube Fan Out Kits For Fiber Optic Cable (27 13 23 13-0026)**

27 13 23 13-0028	EA		6-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable.....	237.59	
27 13 23 13-0029	EA		12-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable.....	241.57	
27 13 23 13-0030	EA		6-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable.....	275.20	
27 13 23 13-0031	EA		12-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable.....	300.42	

**27 Communications****27 10 Structured Cabling****27 13 Communications Backbone Cabling**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

27 13 23 13-0032		<b>Spider Fan Out Kits For Fiber Optic Cable</b> <small>(27 13 23 13-0026)</small>		
		Note: For tight buffered or loose tube non-armored cables. Includes aramid yarn strength member, outer protective PVDF jacket and one meter fan out lengths.		
27 13 23 13-0033	EA	6-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	286.64	
27 13 23 13-0034	EA	12-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	313.36	
27 13 23 13-0035	EA	18-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	456.67	
27 13 23 13-0036	EA	24-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	591.76	

**27 15 Communications Horizontal Cabling** (27 10)**27 15 01 Communications Horizontal Cabling Applications** (27 15)**27 15 01 15 Access Control Communications Conductors and Cables** (27 15 01)

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable.

**27 15 01 16 Voice Communications Horizontal Cabling** (27 15 01)

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables.

**27 15 01 19 Fire Alarm Communications Conductors and Cables** (27 15 01)

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.

27 15 01 19-0001		<b>Fire Alarm/Life Safety Cable</b> <small>(27 15 01 19)</small>		
27 15 01 19-0002		<b>Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable</b> <small>(27 15 01 19-0001)</small>		
27 15 01 19-0003		<b>Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit</b> <small>(27 15 01 19-0002)</small>		
27 15 01 19-0004	MLF	1-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,806.85	737.37
27 15 01 19-0005	MLF	2-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,234.47	764.04
27 15 01 19-0006	MLF	1-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,060.62	838.16
27 15 01 19-0007	MLF	2-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,743.68	868.08
27 15 01 19-0008	MLF	1-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,370.14	938.30
27 15 01 19-0009	MLF	2-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	3,344.00	972.11
27 15 01 19-0010	MLF	1-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	3,050.45	1,072.90
27 15 01 19-0011	MLF	2-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	4,565.09	1,111.16
27 15 01 19-0012		<b>Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed</b> <small>(27 15 01 19-0002)</small>		
27 15 01 19-0013	MLF	1-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,035.82	1,474.98
27 15 01 19-0014	MLF	2-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,507.87	1,528.08
27 15 01 19-0015	MLF	1-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,457.57	1,676.54
27 15 01 19-0016	MLF	2-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	4,190.47	1,736.15
27 15 01 19-0017	MLF	1-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,933.97	1,877.04
27 15 01 19-0018	MLF	2-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	4,964.19	1,944.24
27 15 01 19-0019	MLF	1-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	4,838.62	2,145.80
27 15 01 19-0020	MLF	2-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	6,417.20	2,222.76
27 15 01 19-0021		<b>Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit</b> <small>(27 15 01 19-0001)</small>		
27 15 01 19-0022	MLF	2 Conductors, #22 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,131.42	603.43
27 15 01 19-0023	MLF	4 Conductors, #22 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,226.57	624.88
27 15 01 19-0024	MLF	2 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,376.06	737.37
27 15 01 19-0025	MLF	3 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,471.53	750.71
27 15 01 19-0026	MLF	4 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,528.92	764.04
27 15 01 19-0027	MLF	6 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,715.78	790.69



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	27 15 01 19-0028	MLF		8 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,985.19	817.36
	27 15 01 19-0029	MLF		2 Conductors, #16 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,607.87	838.16
	27 15 01 19-0030	MLF		4 Conductors, #16 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,816.49	868.08
	27 15 01 19-0031	MLF		2 Conductors, #14 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,866.14	938.30
	27 15 01 19-0032	MLF		4 Conductors, #14 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,193.43	972.11
	27 15 01 19-0033	MLF		2 Conductors, #12 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,285.44	1,072.90
	27 15 01 19-0034	MLF		4 Conductors, #12 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,815.06	1,111.16
	27 15 01 19-0035			<b>Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable</b> <small>(27 15 01 19-0001)</small>		
	27 15 01 19-0036			<b>Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit</b> <small>(27 15 01 19-0035)</small>		
	27 15 01 19-0037	MLF		2 Conductors, #22 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,121.53	603.43
	27 15 01 19-0038	MLF		2 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,369.63	737.37
	27 15 01 19-0039	MLF		3 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,533.65	750.71
	27 15 01 19-0040	MLF		4 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,546.12	764.04
	27 15 01 19-0041	MLF		6 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,805.55	790.69
	27 15 01 19-0042	MLF		2 Conductors, #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,598.16	838.16
	27 15 01 19-0043	MLF		4 Conductors, #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,838.28	868.08
	27 15 01 19-0044	MLF		2 Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,822.42	938.30
	27 15 01 19-0045	MLF		4 Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,367.16	972.11
	27 15 01 19-0046	MLF		2 Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,271.15	1,072.90
	27 15 01 19-0047	MLF		4 Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	3,078.80	1,111.16
	27 15 01 19-0048			<b>Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed</b> <small>(27 15 01 19-0035)</small>		
	27 15 01 19-0049	MLF		2 Conductors, #22 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,127.23	1,207.28
	27 15 01 19-0050	MLF		2 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,598.60	1,474.98
	27 15 01 19-0051	MLF		3 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,784.29	1,500.98
	27 15 01 19-0052	MLF		4 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,819.52	1,528.08
	27 15 01 19-0053	MLF		6 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,123.38	1,581.18
	27 15 01 19-0054	MLF		2 Conductors, #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,995.11	1,676.54
	27 15 01 19-0055	MLF		4 Conductors, #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,285.07	1,736.15
	27 15 01 19-0056	MLF		2 Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,386.25	1,877.04
	27 15 01 19-0057	MLF		4 Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,987.35	1,944.24
	27 15 01 19-0058	MLF		2 Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	4,059.32	2,145.80
	27 15 01 19-0059	MLF		4 Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	4,930.91	2,222.76
	27 15 01 19-0060			<b>Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable</b> <small>(27 15 01 19-0001)</small>		
	27 15 01 19-0061			<b>Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit</b> <small>(27 15 01 19-0060)</small>		
	27 15 01 19-0062	MLF		2 Conductors, #22 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,162.25	603.43
	27 15 01 19-0063	MLF		2 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,398.71	737.37
	27 15 01 19-0064	MLF		3 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,641.60	750.71
	27 15 01 19-0065	MLF		4 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,575.88	764.04
	27 15 01 19-0066	MLF		6 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,835.98	790.69

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

27 15 01 19-0067	MLF	2 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,665.00	838.16
27 15 01 19-0068	MLF	4 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,869.19	868.08
27 15 01 19-0069	MLF	2 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,966.58	938.30
27 15 01 19-0070	MLF	4 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,294.88	972.11
27 15 01 19-0071	MLF	2 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,377.83	1,072.90
27 15 01 19-0072	MLF	4 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,859.34	1,111.16
<b>27 15 01 19-0073 Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed <small>(27 15 01 19-0060)</small></b>				
27 15 01 19-0074	MLF	2 Conductors, #22 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,167.95	1,207.28
27 15 01 19-0075	MLF	2 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,627.68	1,474.98
27 15 01 19-0076	MLF	3 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,892.24	1,500.98
27 15 01 19-0077	MLF	4 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,849.28	1,528.08
27 15 01 19-0078	MLF	6 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,153.81	1,581.18
27 15 01 19-0079	MLF	2 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,061.95	1,676.54
27 15 01 19-0080	MLF	4 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,315.98	1,736.15
27 15 01 19-0081	MLF	2 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,530.41	1,877.04
27 15 01 19-0082	MLF	4 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,915.07	1,944.24
27 15 01 19-0083	MLF	2 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,166.00	2,145.80
27 15 01 19-0084	MLF	4 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,711.45	2,222.76
<b>27 15 01 19-0085 Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable <small>(27 15 01 19-0001)</small></b>				
<b>27 15 01 19-0086 Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit <small>(27 15 01 19-0085)</small></b>				
27 15 01 19-0087	MLF	2 Conductors, #22 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,134.98	603.43
27 15 01 19-0088	MLF	2 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,433.39	737.37
27 15 01 19-0089	MLF	3 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,556.72	750.71
27 15 01 19-0090	MLF	4 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,660.10	764.04
27 15 01 19-0091	MLF	6 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,886.81	790.69
27 15 01 19-0092	MLF	2 Conductors, #16 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,656.19	838.16
27 15 01 19-0093	MLF	4 Conductors, #16 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,967.49	868.08
27 15 01 19-0094	MLF	2 Conductors, #14 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,948.54	938.30
27 15 01 19-0095	MLF	4 Conductors, #14 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,512.16	972.11
27 15 01 19-0096	MLF	2 Conductors, #12 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,355.15	1,072.90
<b>27 15 01 19-0097 Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed <small>(27 15 01 19-0085)</small></b>				
27 15 01 19-0098	MLF	2 Conductors, #22 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,140.68	1,207.28
27 15 01 19-0099	MLF	2 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,662.36	1,474.98
27 15 01 19-0100	MLF	3 Conductors, #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,807.36	1,500.98
27 15 01 19-0101	MLF	4 Conductors, #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,933.50	1,528.08
27 15 01 19-0102	MLF	6 Conductors, #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,204.64	1,581.18
27 15 01 19-0103	MLF	2 Conductors, #16 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,053.14	1,676.54
27 15 01 19-0104	MLF	4 Conductors, #16 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,414.28	1,736.15
27 15 01 19-0105	MLF	2 Conductors, #14 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,512.37	1,877.04
27 15 01 19-0106	MLF	4 Conductors, #14 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,132.35	1,944.24

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 15 01 19-0107	MLF	2 Conductors, #12 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed .....	4,143.32	2,145.80
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**27 15 13 Communications Copper Horizontal Cabling (27 15)**

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.

27 15 13 00-0001	Copper Telecommunications Cable (27 15 13)			
27 15 13 00-0002	Indoor Telecommunications Cable (27 15 13 00-0001)	Note: Shielded twisted pair cables (STP) includes a metallic foil wrap. Un-shielded twisted pair cables (UTP) excludes any shielding.		
27 15 13 00-0003	Category 3, Indoor Telecommunications Cable (27 15 13 00-0002)	Note: Un-shielded twisted pair cables (UTP).		
27 15 13 00-0004	Category 3, Indoor Telecommunications Riser Cable (27 15 13 00-0003)			
27 15 13 00-0005	24 AWG, Category 3, Indoor Telecommunications Riser Cable (27 15 13 00-0004)			
27 15 13 00-0006	24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit (27 15 13 00-0005)			
27 15 13 00-0007	MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit .....	845.63		455.18
27 15 13 00-0008	MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit .....	882.77		455.18
27 15 13 00-0009	MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit .....	895.89		455.18
27 15 13 00-0010	MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit .....	1,078.15		520.20
27 15 13 00-0011	MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit .....	1,351.52		520.20
27 15 13 00-0012	MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit .....	1,785.57		520.20
27 15 13 00-0013	MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit .....	2,822.98		650.25
27 15 13 00-0014	MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit .....	5,087.32		1,040.39
27 15 13 00-0015	MLF 150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit .....	6,856.57		1,170.44
27 15 13 00-0016	MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit .....	9,076.02		1,300.49
27 15 13 00-0017	MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit .....	13,264.04		1,820.68
27 15 13 00-0018	MLF 400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit .....	17,366.95		2,249.84
27 15 13 00-0019	MLF 600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit .....	27,460.51		3,121.18
27 15 13 00-0020	MLF 900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit .....	44,759.46		6,242.35
27 15 13 00-0021	MLF 1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit .....	60,969.66		9,363.52

**27 15 13 00-0022 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed (27 15 13 00-0005)**

27 15 13 00-0023	MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed .....	1,604.25		910.34
	<i>For Work In Restricted Working Space, Add</i>		455.17	
27 15 13 00-0024	MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed .....	1,641.39		910.34
	<i>For Work In Restricted Working Space, Add</i>		455.17	
27 15 13 00-0025	MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed .....	1,654.51		910.34
	<i>For Work In Restricted Working Space, Add</i>		455.17	
27 15 13 00-0026	MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed .....	1,728.40		910.34
	<i>For Work In Restricted Working Space, Add</i>		455.17	
27 15 13 00-0027	MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed .....	2,001.77		910.34
	<i>For Work In Restricted Working Space, Add</i>		455.17	
27 15 13 00-0028	MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed .....	2,652.57		1,040.39
	<i>For Work In Restricted Working Space, Add</i>		520.20	
27 15 13 00-0029	MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed .....	3,906.72		1,300.49
	<i>For Work In Restricted Working Space, Add</i>		650.24	
27 15 13 00-0030	MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed .....	5,954.31		1,560.59
	<i>For Work In Restricted Working Space, Add</i>		780.29	
27 15 13 00-0031	MLF 150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed .....	7,831.94		1,755.66
	<i>For Work In Restricted Working Space, Add</i>		877.83	
27 15 13 00-0032	MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed .....	10,159.77		1,950.73
	<i>For Work In Restricted Working Space, Add</i>		975.37	
27 15 13 00-0033	MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed .....	14,781.28		2,731.03
	<i>For Work In Restricted Working Space, Add</i>		1,365.51	
27 15 13 00-0034	MLF 400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed .....	19,252.66		3,381.27
	<i>For Work In Restricted Working Space, Add</i>		1,690.64	
27 15 13 00-0035	MLF 600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed .....	30,061.49		4,681.76
	<i>For Work In Restricted Working Space, Add</i>		2,340.88	
27 15 13 00-0036	MLF 900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed .....	49,961.42		9,363.52
	<i>For Work In Restricted Working Space, Add</i>		4,681.76	
27 15 13 00-0037	MLF 1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed .....	68,772.61		14,045.29
	<i>For Work In Restricted Working Space, Add</i>		7,022.65	

**27 15 13 00-0038 22 AWG, Category 3, Indoor Telecommunications Riser Cable (27 15 13 00-0004)**

27 15 13 00-0039	22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit (27 15 13 00-0038)			
27 15 13 00-0040	MLF 25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit .....	2,866.68		520.20
27 15 13 00-0041	MLF 50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit .....	4,257.99		650.25
27 15 13 00-0042	MLF 100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit .....	7,762.32		1,040.39
27 15 13 00-0043	MLF 200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit .....	13,735.35		1,300.49
27 15 13 00-0044	MLF 300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit .....	20,193.17		1,820.68
27 15 13 00-0045	MLF 400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit .....	26,291.52		2,249.84
27 15 13 00-0046	MLF 600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit .....	38,961.14		3,121.18

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0047			<b>22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed</b> <small>(27 15 13 00-0038)</small>		
27 15 13 00-0048	MLF		25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	3,733.68	1,040.39
			<i>For Work In Restricted Working Space, Add</i>	520.20	
27 15 13 00-0049	MLF		50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	5,341.73	1,300.49
			<i>For Work In Restricted Working Space, Add</i>	650.24	
27 15 13 00-0050	MLF		100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	8,629.31	1,560.59
			<i>For Work In Restricted Working Space, Add</i>	780.29	
27 15 13 00-0051	MLF		200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	14,819.10	1,950.73
			<i>For Work In Restricted Working Space, Add</i>	975.37	
27 15 13 00-0052	MLF		300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	21,710.41	2,731.03
			<i>For Work In Restricted Working Space, Add</i>	1,365.51	
27 15 13 00-0053	MLF		400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	28,177.23	3,381.27
			<i>For Work In Restricted Working Space, Add</i>	1,690.64	
27 15 13 00-0054	MLF		600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	41,562.12	4,681.76
			<i>For Work In Restricted Working Space, Add</i>	2,340.88	
27 15 13 00-0055			<b>Category 3, Indoor Telecommunications Plenum Cable</b> <small>(27 15 13 00-0003)</small>		
27 15 13 00-0056			<b>24 AWG, Category 3, Indoor Telecommunications Plenum Cable</b> <small>(27 15 13 00-0055)</small>		
27 15 13 00-0057			<b>24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit</b> <small>(27 15 13 00-0056)</small>		
27 15 13 00-0058	MLF		2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit .....	875.67	455.18
27 15 13 00-0059	MLF		3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit .....	912.65	455.18
27 15 13 00-0060	MLF		4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit .....	940.31	455.18
27 15 13 00-0061	MLF		6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit .....	1,128.03	520.20
27 15 13 00-0062	MLF		12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit .....	1,426.01	520.20
27 15 13 00-0063	MLF		25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit .....	2,233.75	520.20
27 15 13 00-0064	MLF		50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit .....	3,735.45	650.25
27 15 13 00-0065	MLF		100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit .....	6,999.17	1,040.39
27 15 13 00-0066	MLF		200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit .....	12,072.01	1,300.49
27 15 13 00-0067	MLF		300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit .....	18,079.03	1,820.68
27 15 13 00-0068			<b>24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed</b> <small>(27 15 13 00-0056)</small>		
27 15 13 00-0069	MLF		2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	1,634.29	910.34
			<i>For Work In Restricted Working Space, Add</i>	455.17	
27 15 13 00-0070	MLF		3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	1,671.27	910.34
			<i>For Work In Restricted Working Space, Add</i>	455.17	
27 15 13 00-0071	MLF		4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	1,698.93	910.34
			<i>For Work In Restricted Working Space, Add</i>	455.17	
27 15 13 00-0072	MLF		6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	1,778.28	910.34
			<i>For Work In Restricted Working Space, Add</i>	455.17	
27 15 13 00-0073	MLF		12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	2,076.26	910.34
			<i>For Work In Restricted Working Space, Add</i>	455.17	
27 15 13 00-0074	MLF		25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	3,100.75	1,040.39
			<i>For Work In Restricted Working Space, Add</i>	520.20	
27 15 13 00-0075	MLF		50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	4,819.19	1,300.49
			<i>For Work In Restricted Working Space, Add</i>	650.24	
27 15 13 00-0076	MLF		100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	7,866.16	1,560.59
			<i>For Work In Restricted Working Space, Add</i>	780.29	
27 15 13 00-0077	MLF		200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	13,155.76	1,950.73
			<i>For Work In Restricted Working Space, Add</i>	975.37	
27 15 13 00-0078	MLF		300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	19,596.27	2,731.03
			<i>For Work In Restricted Working Space, Add</i>	1,365.51	
27 15 13 00-0079			<b>Category 5E, Indoor Telecommunications Cable</b> <small>(27 15 13 00-0002)</small>		
27 15 13 00-0080			<b>Category 5E, Indoor Telecommunications Riser Cable</b> <small>(27 15 13 00-0079)</small>		
27 15 13 00-0081			<b>Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit</b> <small>(27 15 13 00-0080)</small>		
27 15 13 00-0082	MLF		4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	962.53	455.18
27 15 13 00-0083	MLF		4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit .....	1,010.30	455.18
27 15 13 00-0084	MLF		4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,119.58	520.20
27 15 13 00-0085	MLF		4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit .....	1,167.33	520.20
27 15 13 00-0086			<b>Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed</b> <small>(27 15 13 00-0080)</small>		
27 15 13 00-0087	MLF		4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed .....	1,721.15	910.34
			<i>For Work In Restricted Working Space, Add</i>	455.17	
27 15 13 00-0088	MLF		4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,768.92	910.34
			<i>For Work In Restricted Working Space, Add</i>	455.17	
27 15 13 00-0089	MLF		4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed .....	1,986.58	1,040.39
			<i>For Work In Restricted Working Space, Add</i>	520.20	
27 15 13 00-0090	MLF		4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed.....	2,034.33	1,040.39
			<i>For Work In Restricted Working Space, Add</i>	520.20	
27 15 13 00-0091			<b>Category 5E, Indoor Telecommunications Plenum Cable</b> <small>(27 15 13 00-0079)</small>		

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 15 13 00-0092	Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit <small>(27 15 13 00-0091)</small>		
27 15 13 00-0093	MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	1,138.17	455.18
27 15 13 00-0094	MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	1,619.74	520.20
27 15 13 00-0095	Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed <small>(27 15 13 00-0091)</small>		
27 15 13 00-0096	MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	1,896.79 455.17	910.34
27 15 13 00-0097	MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	2,486.74 520.20	1,040.39
27 15 13 00-0098	Category 6, Indoor Telecommunications Cable <small>(27 15 13 00-0002)</small>		
27 15 13 00-0099	Category 6, Indoor Telecommunications Riser Cable <small>(27 15 13 00-0098)</small>		
27 15 13 00-0100	Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit <small>(27 15 13 00-0099)</small>		
27 15 13 00-0101	MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,369.18	455.18
27 15 13 00-0102	MLF 4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,437.44	455.18
27 15 13 00-0103	Category 6, Indoor Telecommunications Riser Cable, Installed Exposed <small>(27 15 13 00-0099)</small>		
27 15 13 00-0104	MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	2,127.80 455.17	910.34
27 15 13 00-0105	MLF 4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	2,196.06 455.17	910.34
27 15 13 00-0106	Category 6, Indoor Telecommunications Plenum Cable <small>(27 15 13 00-0098)</small>		
27 15 13 00-0107	Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit <small>(27 15 13 00-0106)</small>		
27 15 13 00-0108	MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	2,000.81	455.18
27 15 13 00-0109	Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed <small>(27 15 13 00-0106)</small>		
27 15 13 00-0110	MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,759.43 455.17	910.34
27 15 13 00-0111	Category 6a, Indoor Telecommunications Cable <small>(27 15 13 00-0002)</small>		
27 15 13 00-0112	Category 6a, Indoor Telecommunications Riser Cable <small>(27 15 13 00-0111)</small>		
27 15 13 00-0113	Category 6a Indoor Telecommunications Riser Cable, Installed In Conduit <small>(27 15 13 00-0112)</small>		
27 15 13 00-0114	MLF 4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,478.26	455.18
27 15 13 00-0115	Category 6a, Indoor Telecommunications Riser Cable, Installed Exposed <small>(27 15 13 00-0112)</small>		
27 15 13 00-0116	MLF 4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Riser Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	2,236.88 455.17	910.34
27 15 13 00-0117	Category 6a, Indoor Telecommunications Plenum Cable <small>(27 15 13 00-0111)</small>		
27 15 13 00-0118	Category 6a, Indoor Telecommunications Plenum Cable, Installed In Conduit <small>(27 15 13 00-0117)</small>		
27 15 13 00-0119	MLF 4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	2,323.66	455.18
27 15 13 00-0120	Category 6a, Indoor Telecommunications Plenum Cable, Installed Exposed <small>(27 15 13 00-0117)</small>		
27 15 13 00-0121	MLF 4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Plenum Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	3,082.28 455.17	910.34
27 15 13 00-0122	Category 7, Indoor Telecommunications Cable <small>(27 15 13 00-0002)</small>		
27 15 13 00-0123	Category 7, Indoor Telecommunications Cable, Installed In Conduit <small>(27 15 13 00-0122)</small>		
27 15 13 00-0124	MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed In Conduit.....	3,641.23	520.20
27 15 13 00-0125	MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	7,639.08	520.20
27 15 13 00-0126	Category 7, Indoor Telecommunications Cable, Installed Exposed <small>(27 15 13 00-0122)</small>		
27 15 13 00-0127	MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	4,508.23 520.20	1,040.39
27 15 13 00-0128	MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	8,506.08 520.20	1,040.39

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0129			<b>Outdoor Telecommunications Cable</b> (27 15 13 00-0001) Note: Cable buried in trench excludes excavation.		
27 15 13 00-0130			<b>PE-89 Outdoor Telecommunications Cable</b> (27 15 13 00-0129) Note: Includes foam-skin polyolefin insulated conductors.		
27 15 13 00-0131			<b>24 AWG, PE-89 Outdoor Telecommunications Cable</b> (27 15 13 00-0130)		
27 15 13 00-0132			<b>24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit</b> (27 15 13 00-0131)		
27 15 13 00-0133	MLF		6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	1,517.97	520.20
27 15 13 00-0134	MLF		12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	1,793.31	910.34
27 15 13 00-0135	MLF		25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	2,494.83	585.22
27 15 13 00-0136	MLF		50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	3,733.17	650.25
27 15 13 00-0137	MLF		75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	5,289.79	910.34
27 15 13 00-0138	MLF		100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	6,632.27	1,040.39
27 15 13 00-0139	MLF		200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	11,245.54	1,170.44
27 15 13 00-0140	MLF		300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	16,524.42	1,690.64
27 15 13 00-0141	MLF		400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	21,888.86	2,210.84
27 15 13 00-0142	MLF		600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	29,724.57	2,991.12
27 15 13 00-0143	MLF		900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	47,233.62	5,982.25
27 15 13 00-0144	MLF		1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	64,714.19	8,843.32
27 15 13 00-0145			<b>24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench</b> (27 15 13 00-0131)		
27 15 13 00-0146	MLF		6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	1,355.41	
27 15 13 00-0147	MLF		12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	1,630.75	
27 15 13 00-0148	MLF		25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	2,278.08	
27 15 13 00-0149	MLF		50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	3,516.42	
27 15 13 00-0150	MLF		75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	4,964.67	
27 15 13 00-0151	MLF		100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	6,090.40	
27 15 13 00-0152	MLF		200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	11,028.80	
27 15 13 00-0153	MLF		300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	15,874.17	
27 15 13 00-0154	MLF		400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	20,534.18	
27 15 13 00-0155	MLF		600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	27,340.35	
27 15 13 00-0156	MLF		900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	40,731.17	
27 15 13 00-0157	MLF		1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	55,177.26	
27 15 13 00-0158			<b>22 AWG, PE-89 Outdoor Telecommunications Cable</b> (27 15 13 00-0130)		
27 15 13 00-0159			<b>22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit</b> (27 15 13 00-0158)		
27 15 13 00-0160	MLF		6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	1,693.01	520.20
27 15 13 00-0161	MLF		12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	2,120.34	520.20
27 15 13 00-0162	MLF		25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	3,164.24	585.22
27 15 13 00-0163	MLF		50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	4,924.65	650.25
27 15 13 00-0164	MLF		75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	7,151.74	910.34
27 15 13 00-0165	MLF		100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	9,163.55	1,040.39
27 15 13 00-0166	MLF		200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	16,128.74	1,170.44
27 15 13 00-0167	MLF		300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	23,488.84	1,690.64
27 15 13 00-0168	MLF		400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	31,277.50	2,210.84
27 15 13 00-0169	MLF		600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	46,120.10	2,991.12
27 15 13 00-0170	MLF		900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	67,939.81	5,982.25
27 15 13 00-0171	MLF		1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	95,692.55	8,843.32
27 15 13 00-0172			<b>22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench</b> (27 15 13 00-0158)		
27 15 13 00-0173	MLF		6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	1,530.45	
27 15 13 00-0174	MLF		12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	1,957.78	
27 15 13 00-0175	MLF		25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	2,947.49	
27 15 13 00-0176	MLF		50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	4,707.90	
27 15 13 00-0177	MLF		75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	6,826.62	
27 15 13 00-0178	MLF		100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	8,838.42	
27 15 13 00-0179	MLF		200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	15,912.00	
27 15 13 00-0180	MLF		300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	22,838.59	
27 15 13 00-0181	MLF		400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	29,922.82	
27 15 13 00-0182	MLF		600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	43,735.88	
27 15 13 00-0183	MLF		900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	61,437.36	
27 15 13 00-0184	MLF		1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	86,155.62	
27 15 13 00-0185			<b>19 AWG, PE-89 Outdoor Telecommunications Cable</b> (27 15 13 00-0130)		
27 15 13 00-0186			<b>19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit</b> (27 15 13 00-0185)		
27 15 13 00-0187	MLF		25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	5,227.91	585.22
27 15 13 00-0188	MLF		50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	8,958.45	650.25
27 15 13 00-0189	MLF		75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	14,327.14	910.34
27 15 13 00-0190	MLF		100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	17,153.35	1,040.39
27 15 13 00-0191			<b>19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench</b> (27 15 13 00-0185)		
27 15 13 00-0192	MLF		25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	5,011.16	
27 15 13 00-0193	MLF		50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	8,741.70	
27 15 13 00-0194	MLF		75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	14,002.02	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 15 13 00-0195	MLF		100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	16,828.22	
<b>27 15 13 00-0196</b>			<b>PE-39 Outdoor Telecommunications Cable</b> <small>(27 15 13 00-0129)</small>		
			Note: Includes solid polyolefin insulated conductors.		
27 15 13 00-0197			<b>24 AWG, PE-39 Outdoor Telecommunications Cable</b> <small>(27 15 13 00-0196)</small>		
27 15 13 00-0198			<b>24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit</b> <small>(27 15 13 00-0197)</small>		
27 15 13 00-0199	MLF		6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	2,192.83	910.34
27 15 13 00-0200	MLF		12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	2,529.68	910.34
27 15 13 00-0201	MLF		25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	3,209.27	910.34
27 15 13 00-0202	MLF		50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	4,433.07	910.34
27 15 13 00-0203	MLF		100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	6,915.13	910.34
27 15 13 00-0204	MLF		200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	12,388.13	1,170.44
27 15 13 00-0205	MLF		300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	18,082.96	1,690.64
27 15 13 00-0206	MLF		400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	23,787.92	2,210.84
27 15 13 00-0207	MLF		600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	32,497.35	2,991.12
27 15 13 00-0208	MLF		900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	50,819.51	5,982.25
27 15 13 00-0209	MLF		1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	74,014.53	8,843.32
<b>27 15 13 00-0210</b>			<b>24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench</b> <small>(27 15 13 00-0197)</small>		
27 15 13 00-0211	MLF		6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	1,867.71	
27 15 13 00-0212	MLF		12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	2,204.56	
27 15 13 00-0213	MLF		25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	2,884.15	
27 15 13 00-0214	MLF		50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	4,107.95	
27 15 13 00-0215	MLF		100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	6,590.01	
27 15 13 00-0216	MLF		200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	12,171.39	
27 15 13 00-0217	MLF		300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	17,432.71	
27 15 13 00-0218	MLF		400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	22,433.24	
27 15 13 00-0219	MLF		600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	30,113.13	
27 15 13 00-0220	MLF		900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	44,317.06	
27 15 13 00-0221	MLF		1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	64,477.60	
<b>27 15 13 00-0222</b>			<b>22 AWG, PE-39 Outdoor Telecommunications Cable</b> <small>(27 15 13 00-0196)</small>		
<b>27 15 13 00-0223</b>			<b>22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit</b> <small>(27 15 13 00-0222)</small>		
27 15 13 00-0224	MLF		6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	2,387.57	910.34
27 15 13 00-0225	MLF		12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	2,882.56	910.34
27 15 13 00-0226	MLF		25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	3,935.93	910.34
27 15 13 00-0227	MLF		50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	5,873.75	910.34
27 15 13 00-0228	MLF		100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	9,917.73	910.34
27 15 13 00-0229	MLF		200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	18,166.56	1,170.44
27 15 13 00-0230	MLF		300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	26,612.65	1,690.64
27 15 13 00-0231	MLF		400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	34,104.41	2,210.84
27 15 13 00-0232	MLF		600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	47,613.38	2,991.12
27 15 13 00-0233	MLF		900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	75,295.86	5,982.25
<b>27 15 13 00-0234</b>			<b>22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench</b> <small>(27 15 13 00-0222)</small>		
27 15 13 00-0235	MLF		6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	2,062.45	
27 15 13 00-0236	MLF		12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	2,557.44	
27 15 13 00-0237	MLF		25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	3,610.81	
27 15 13 00-0238	MLF		50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	5,548.63	
27 15 13 00-0239	MLF		100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	9,592.61	
27 15 13 00-0240	MLF		200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	17,949.82	
27 15 13 00-0241	MLF		300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	25,962.40	
27 15 13 00-0242	MLF		400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	32,749.73	
27 15 13 00-0243	MLF		600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	45,229.16	
27 15 13 00-0244	MLF		900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	68,793.41	
<b>27 15 13 00-0245</b>			<b>19 AWG, PE-39 Outdoor Telecommunications Cable</b> <small>(27 15 13 00-0196)</small>		
<b>27 15 13 00-0246</b>			<b>19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit</b> <small>(27 15 13 00-0245)</small>		
27 15 13 00-0247	MLF		25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	6,269.38	910.34
27 15 13 00-0248	MLF		50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	10,199.54	910.34
27 15 13 00-0249	MLF		100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	18,349.29	910.34
<b>27 15 13 00-0250</b>			<b>19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench</b> <small>(27 15 13 00-0245)</small>		
27 15 13 00-0251	MLF		25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	5,944.26	
27 15 13 00-0252	MLF		50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	9,874.42	
27 15 13 00-0253	MLF		100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	18,024.17	
<b>27 15 13 00-0254</b>			<b>(Aerial) Outdoor Telecommunications Cable</b> <small>(27 15 13 00-0129)</small>		
			Note: Includes support wire.		
<b>27 15 13 00-0255</b>			<b>24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles</b> <small>(27 15 13 00-0254)</small>		
27 15 13 00-0256	MLF		6-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	6,544.95	1,857.54

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
27 15 13 00-0257	MLF 12-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	6,825.23	1,857.54
27 15 13 00-0258	MLF 25-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	7,521.11	1,857.54
27 15 13 00-0259	MLF 50-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	8,809.51	1,857.54
27 15 13 00-0260	MLF 100-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	11,298.03	1,857.54
27 15 13 00-0261	MLF 200-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	16,688.02	2,043.30
27 15 13 00-0262	MLF 300-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	22,108.79	2,229.06
<b>27 15 13 00-0263</b>	<b>22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles <sup>(27 15 13 00-0254)</sup></b>		
27 15 13 00-0264	MLF 6-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	6,880.27	1,857.54
27 15 13 00-0265	MLF 12-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	7,294.37	1,857.54
27 15 13 00-0266	MLF 25-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	8,291.76	1,857.54
27 15 13 00-0267	MLF 50-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	10,262.19	1,857.54
27 15 13 00-0268	MLF 100-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	14,750.82	1,857.54
27 15 13 00-0269	MLF 200-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	22,774.24	2,043.30
<b>27 15 13 00-0270</b>	<b>19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles <sup>(27 15 13 00-0254)</sup></b>		
27 15 13 00-0271	MLF 6-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	7,323.60	1,857.54
27 15 13 00-0272	MLF 12-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	8,260.06	1,857.54
27 15 13 00-0273	MLF 25-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	10,101.29	1,857.54
27 15 13 00-0274	MLF 50-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	13,783.77	1,857.54
27 15 13 00-0275	MLF 100-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	21,335.28	1,857.54
<b>27 15 13 00-0276</b>	<b>Solid Conductor Low Voltage Cable <sup>(27 15 13)</sup></b>		
<b>27 15 13 00-0277</b>	<b>Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <sup>(27 15 13 00-0276)</sup></b>		
<b>27 15 13 00-0278</b>	<b>#12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <sup>(27 15 13 00-0277)</sup></b>		
27 15 13 00-0279	MLF 1 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	2,118.22	980.14
	<i>For #10 AWG, Add</i> .....	486.63	
	<i>For Work In Restricted Working Space, Add</i> .....	490.12	
27 15 13 00-0280	MLF 2 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	2,585.91	1,014.80
	<i>For #10 AWG, Add</i> .....	633.41	
	<i>For Work In Restricted Working Space, Add</i> .....	507.55	
27 15 13 00-0281	MLF 3 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	2,995.87	1,050.44
	<i>For #10 AWG, Add</i> .....	761.11	
	<i>For Work In Restricted Working Space, Add</i> .....	525.07	
27 15 13 00-0282	MLF 4 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	3,429.98	1,086.08
	<i>For #10 AWG, Add</i> .....	896.51	
	<i>For Work In Restricted Working Space, Add</i> .....	543.20	
27 15 13 00-0283	MLF 5 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	3,903.66	1,159.34
	<i>For #10 AWG, Add</i> .....	1,036.94	
	<i>For Work In Restricted Working Space, Add</i> .....	579.85	
27 15 13 00-0284	MLF 6 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	4,335.82	1,231.62
	<i>For #10 AWG, Add</i> .....	1,163.90	
	<i>For Work In Restricted Working Space, Add</i> .....	615.97	
27 15 13 00-0285	MLF 8 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	4,700.17	1,378.14
	<i>For #10 AWG, Add</i> .....	1,252.51	
	<i>For Work In Restricted Working Space, Add</i> .....	688.94	
27 15 13 00-0286	MLF 12 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	6,232.24	1,816.74
	<i>For #10 AWG, Add</i> .....	1,663.09	
	<i>For Work In Restricted Working Space, Add</i> .....	908.20	
27 15 13 00-0287	MLF 24 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	9,277.94	2,683.03
	<i>For #10 AWG, Add</i> .....	2,480.55	
	<i>For Work In Restricted Working Space, Add</i> .....	1,341.17	
<b>27 15 13 00-0288</b>	<b>#14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <sup>(27 15 13 00-0277)</sup></b>		
27 15 13 00-0289	MLF 1 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	1,891.57	857.39
	<i>For Work In Restricted Working Space, Add</i> .....	428.59	
27 15 13 00-0290	MLF 2 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	2,334.38	888.07
	<i>For Work In Restricted Working Space, Add</i> .....	444.04	
27 15 13 00-0291	MLF 3 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	2,721.77	918.77
	<i>For Work In Restricted Working Space, Add</i> .....	459.48	
27 15 13 00-0292	MLF 4 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	3,131.27	950.45
	<i>For Work In Restricted Working Space, Add</i> .....	475.22	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 15 13 00-0293	MLF 5 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,574.08	
	For Work In Restricted Working Space, Add	507.30	1,014.80
27 15 13 00-0294	MLF 6 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,976.88	1,078.16
	For Work In Restricted Working Space, Add	538.79	
27 15 13 00-0295	MLF 8 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,306.44	1,205.88
	For Work In Restricted Working Space, Add	602.94	
27 15 13 00-0296	MLF 12 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,710.56	1,589.03
	For Work In Restricted Working Space, Add	794.51	
27 15 13 00-0297	MLF 24 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	8,505.96	2,347.41
	For Work In Restricted Working Space, Add	1,173.80	
<b>27 15 13 00-0298 #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0277)</b>			
27 15 13 00-0299	MLF 1 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,683.82	765.30
	For Work In Restricted Working Space, Add	382.85	
27 15 13 00-0300	MLF 2 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,975.85	793.03
	For Work In Restricted Working Space, Add	396.51	
27 15 13 00-0301	MLF 3 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,415.30	820.75
	For Work In Restricted Working Space, Add	410.18	
27 15 13 00-0302	MLF 4 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,777.24	848.47
	For Work In Restricted Working Space, Add	424.43	
27 15 13 00-0303	MLF 5 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,168.07	905.89
	For Work In Restricted Working Space, Add	452.95	
27 15 13 00-0304	MLF 6 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,524.42	962.32
	For Work In Restricted Working Space, Add	481.17	
27 15 13 00-0305	MLF 7 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,670.41	1,019.75
	For Work In Restricted Working Space, Add	509.68	
27 15 13 00-0306	MLF 8 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,817.38	1,077.17
	For Work In Restricted Working Space, Add	538.49	
27 15 13 00-0307	MLF 9 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,268.32	1,145.48
	For Work In Restricted Working Space, Add	572.65	
27 15 13 00-0308	MLF 12 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,061.30	1,418.74
	For Work In Restricted Working Space, Add	709.42	
27 15 13 00-0309	MLF 24 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	7,538.24	2,095.93
	For Work In Restricted Working Space, Add	1,048.02	
<b>27 15 13 00-0310 #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0277)</b>			
27 15 13 00-0311	MLF 1 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,410.56	674.23
	For Work In Restricted Working Space, Add	336.82	
27 15 13 00-0312	MLF 2 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,694.46	697.98
	For Work In Restricted Working Space, Add	348.99	
27 15 13 00-0313	MLF 3 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,943.92	721.75
	For Work In Restricted Working Space, Add	361.17	
27 15 13 00-0314	MLF 4 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,206.52	746.50
	For Work In Restricted Working Space, Add	373.35	
27 15 13 00-0315	MLF 5 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,499.51	796.99
	For Work In Restricted Working Space, Add	398.59	
27 15 13 00-0316	MLF 6 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,767.88	846.49
	For Work In Restricted Working Space, Add	423.54	
27 15 13 00-0317	MLF 8 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,007.15	947.48
	For Work In Restricted Working Space, Add	473.74	
27 15 13 00-0318	MLF 12 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,985.10	1,248.46
	For Work In Restricted Working Space, Add	624.32	
27 15 13 00-0319	MLF 24 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,930.13	1,844.46
	For Work In Restricted Working Space, Add	922.23	
<b>27 15 13 00-0320 #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0277)</b>			

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0321	MLF	1 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	1,241.94	612.84
		<i>For Work In Restricted Working Space, Add</i>	.....	306.22	
27 15 13 00-0322	MLF	2 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	1,466.77	634.62
		<i>For Work In Restricted Working Space, Add</i>	.....	317.21	
27 15 13 00-0323	MLF	3 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	1,662.70	656.90
		<i>For Work In Restricted Working Space, Add</i>	.....	328.20	
27 15 13 00-0324	MLF	4 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	1,868.88	679.17
		<i>For Work In Restricted Working Space, Add</i>	.....	339.49	
27 15 13 00-0325	MLF	5 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	2,107.16	724.72
		<i>For Work In Restricted Working Space, Add</i>	.....	362.21	
27 15 13 00-0326	MLF	6 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	2,325.21	770.26
		<i>For Work In Restricted Working Space, Add</i>	.....	384.93	
27 15 13 00-0327	MLF	8 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	2,548.95	861.35
		<i>For Work In Restricted Working Space, Add</i>	.....	430.67	
27 15 13 00-0328	MLF	12 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	3,355.19	1,135.59
		<i>For Work In Restricted Working Space, Add</i>	.....	567.59	
27 15 13 00-0329	MLF	24 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	4,989.71	1,677.14
		<i>For Work In Restricted Working Space, Add</i>	.....	838.47	
27 15 13 00-0330	MLF	25 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	5,303.74	1,716.75
		<i>For Work In Restricted Working Space, Add</i>	.....	858.37	
27 15 13 00-0331	MLF	36 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	6,324.44	1,998.91
		<i>For Work In Restricted Working Space, Add</i>	.....	999.46	
27 15 13 00-0332	MLF	40 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	6,786.12	2,139.50
		<i>For Work In Restricted Working Space, Add</i>	.....	1,069.85	
27 15 13 00-0333	MLF	50 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	8,102.74	2,674.13
		<i>For Work In Restricted Working Space, Add</i>	.....	1,336.86	
27 15 13 00-0334	MLF	100 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	11,027.21	3,520.62
		<i>For Work In Restricted Working Space, Add</i>	.....	1,760.10	
27 15 13 00-0335		<b>#22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit</b> <small>(27 15 13 00-0277)</small>			
27 15 13 00-0336	MLF	1 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	1,034.49	551.46
		<i>For Work In Restricted Working Space, Add</i>	.....	275.63	
27 15 13 00-0337	MLF	2 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	1,109.78	571.26
		<i>For Work In Restricted Working Space, Add</i>	.....	285.43	
27 15 13 00-0338	MLF	3 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	1,202.33	591.06
		<i>For Work In Restricted Working Space, Add</i>	.....	295.53	
27 15 13 00-0339	MLF	4 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	1,302.97	610.87
		<i>For Work In Restricted Working Space, Add</i>	.....	305.63	
27 15 13 00-0340	MLF	5 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	1,451.68	652.44
		<i>For Work In Restricted Working Space, Add</i>	.....	326.12	
27 15 13 00-0341	MLF	6 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	1,602.18	691.05
		<i>For Work In Restricted Working Space, Add</i>	.....	345.72	
27 15 13 00-0342		<b>Triad</b> <small>(27 15 13 00-0277)</small>			
27 15 13 00-0343	MLF	1 Triad #16 AWG, Stranded, Low Voltage, Installed In Conduit	.....	2,064.84	820.75
27 15 13 00-0344	MLF	4 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	.....	2,730.85	1,135.59
27 15 13 00-0345	MLF	8 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	.....	4,207.74	1,677.14
27 15 13 00-0346	MLF	12 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	.....	5,185.87	1,998.91
27 15 13 00-0347	MLF	24 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	.....	8,384.16	3,096.88
27 15 13 00-0348	MLF	36 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	.....	9,619.85	3,520.62
27 15 13 00-0349		<b>Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed</b> <small>(27 15 13 00-0276)</small>			
27 15 13 00-0350		<b>#12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed</b> <small>(27 15 13 00-0349)</small>			
27 15 13 00-0351	MLF	1 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	.....	3,751.94	1,960.30
		<i>For #10 AWG, Add</i>	.....	813.37	
		<i>For Work In Restricted Working Space, Add</i>	.....	980.23	
27 15 13 00-0352	MLF	2 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	.....	4,277.74	2,029.61
		<i>For #10 AWG, Add</i>	.....	971.78	
		<i>For Work In Restricted Working Space, Add</i>	.....	1,015.10	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0353	MLF	3 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
		Exposed .....	4,746.10	2,100.89
		For #10 AWG, Add	1,111.15	
		For Work In Restricted Working Space, Add	1,050.14	
27 15 13 00-0354	MLF	4 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
		Exposed .....	5,240.69	2,172.17
		For #10 AWG, Add	1,258.65	
		For Work In Restricted Working Space, Add	1,086.42	
27 15 13 00-0355	MLF	5 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
		Exposed .....	5,836.47	2,318.70
		For #10 AWG, Add	1,423.50	
		For Work In Restricted Working Space, Add	1,159.69	
27 15 13 00-0356	MLF	6 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
		Exposed .....	6,389.06	2,463.25
		For #10 AWG, Add	1,574.55	
		For Work In Restricted Working Space, Add	1,231.94	
27 15 13 00-0357	MLF	8 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
		Exposed .....	6,996.65	2,756.30
		For #10 AWG, Add	1,711.81	
		For Work In Restricted Working Space, Add	1,377.89	
27 15 13 00-0358	MLF	12 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
		Exposed .....	9,259.55	3,633.48
		For #10 AWG, Add	2,268.55	
		For Work In Restricted Working Space, Add	1,816.39	
27 15 13 00-0359	MLF	24 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
		Exposed .....	13,748.51	5,366.07
		For #10 AWG, Add	3,374.66	
		For Work In Restricted Working Space, Add	2,682.34	
<b>27 15 13 00-0360</b>		<b>#14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed</b> <small>(27 15 13 00-0349)</small>		
27 15 13 00-0361	MLF	1 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
		Exposed .....	3,320.22	1,714.76
		For Work In Restricted Working Space, Add	857.19	
27 15 13 00-0362	MLF	2 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
		Exposed .....	3,814.51	1,776.15
		For Work In Restricted Working Space, Add	888.08	
27 15 13 00-0363	MLF	3 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
		Exposed .....	4,253.37	1,837.53
		For Work In Restricted Working Space, Add	918.96	
27 15 13 00-0364	MLF	4 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
		Exposed .....	4,715.35	1,900.90
		For Work In Restricted Working Space, Add	950.45	
27 15 13 00-0365	MLF	5 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
		Exposed .....	5,265.09	2,029.61
		For Work In Restricted Working Space, Add	1,014.60	
27 15 13 00-0366	MLF	6 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
		Exposed .....	5,772.83	2,156.32
		For Work In Restricted Working Space, Add	1,077.57	
27 15 13 00-0367	MLF	8 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
		Exposed .....	6,316.24	2,411.76
		For Work In Restricted Working Space, Add	1,205.88	
27 15 13 00-0368	MLF	12 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
		Exposed .....	8,358.94	3,178.06
		For Work In Restricted Working Space, Add	1,589.03	
27 15 13 00-0369	MLF	24 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
		Exposed .....	12,418.64	4,694.82
		For Work In Restricted Working Space, Add	2,347.61	
<b>27 15 13 00-0370</b>		<b>#16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed</b> <small>(27 15 13 00-0349)</small>		
27 15 13 00-0371	MLF	1 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
		Exposed .....	2,960.00	1,530.62
		For Work In Restricted Working Space, Add	765.71	
27 15 13 00-0372	MLF	2 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
		Exposed .....	3,297.57	1,586.06
		For Work In Restricted Working Space, Add	793.03	
27 15 13 00-0373	MLF	3 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
		Exposed .....	3,782.57	1,641.50
		For Work In Restricted Working Space, Add	820.36	
27 15 13 00-0374	MLF	4 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
		Exposed .....	4,192.02	1,696.94
		For Work In Restricted Working Space, Add	848.87	
27 15 13 00-0375	MLF	5 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
		Exposed .....	4,677.89	1,811.79
		For Work In Restricted Working Space, Add	905.90	
27 15 13 00-0376	MLF	6 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
		Exposed .....	5,128.29	1,924.66
		For Work In Restricted Working Space, Add	962.33	
27 15 13 00-0377	MLF	7 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
		Exposed .....	5,369.33	2,039.50
		For Work In Restricted Working Space, Add	1,019.36	
27 15 13 00-0378	MLF	8 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
		Exposed .....	5,612.34	2,154.35
		For Work In Restricted Working Space, Add	1,076.98	

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**
 MINOR  
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 UNIT COST UNIT COST

27 15 13 00-0379	MLF	9 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	6,177.13	2,290.98
		<i>For Work In Restricted Working Space, Add</i>	1,145.29	
27 15 13 00-0380	MLF	12 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	7,426.03	2,837.48
		<i>For Work In Restricted Working Space, Add</i>	1,418.84	
27 15 13 00-0381	MLF	24 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	11,031.63	4,191.87
		<i>For Work In Restricted Working Space, Add</i>	2,096.03	
<b>27 15 13 00-0382 #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0349)</b>				
27 15 13 00-0383	MLF	1 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,533.27	1,348.45
		<i>For Work In Restricted Working Space, Add</i>	673.63	
27 15 13 00-0384	MLF	2 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,857.78	1,395.97
		<i>For Work In Restricted Working Space, Add</i>	697.99	
27 15 13 00-0385	MLF	3 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,147.82	1,443.49
		<i>For Work In Restricted Working Space, Add</i>	722.34	
27 15 13 00-0386	MLF	4 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,451.00	1,492.99
		<i>For Work In Restricted Working Space, Add</i>	746.69	
27 15 13 00-0387	MLF	5 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,828.16	1,593.98
		<i>For Work In Restricted Working Space, Add</i>	797.19	
27 15 13 00-0388	MLF	6 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,179.69	1,692.99
		<i>For Work In Restricted Working Space, Add</i>	847.09	
27 15 13 00-0389	MLF	8 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,586.28	1,894.95
		<i>For Work In Restricted Working Space, Add</i>	947.48	
27 15 13 00-0390	MLF	12 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	6,066.18	2,496.90
		<i>For Work In Restricted Working Space, Add</i>	1,248.65	
27 15 13 00-0391	MLF	24 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	9,004.22	3,688.93
		<i>For Work In Restricted Working Space, Add</i>	1,844.45	
<b>27 15 13 00-0392 #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0349)</b>				
27 15 13 00-0393	MLF	1 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,262.68	1,225.68
		<i>For Work In Restricted Working Space, Add</i>	612.44	
27 15 13 00-0394	MLF	2 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,524.15	1,269.25
		<i>For Work In Restricted Working Space, Add</i>	634.43	
27 15 13 00-0395	MLF	3 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,756.70	1,313.79
		<i>For Work In Restricted Working Space, Add</i>	656.40	
27 15 13 00-0396	MLF	4 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,000.51	1,358.35
		<i>For Work In Restricted Working Space, Add</i>	678.98	
27 15 13 00-0397	MLF	5 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,314.52	1,449.44
		<i>For Work In Restricted Working Space, Add</i>	724.42	
27 15 13 00-0398	MLF	6 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,608.32	1,540.52
		<i>For Work In Restricted Working Space, Add</i>	769.86	
27 15 13 00-0399	MLF	8 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,984.52	1,722.68
		<i>For Work In Restricted Working Space, Add</i>	861.35	
27 15 13 00-0400	MLF	12 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	5,247.18	2,271.17
		<i>For Work In Restricted Working Space, Add</i>	1,135.19	
27 15 13 00-0401	MLF	24 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	7,784.61	3,354.29
		<i>For Work In Restricted Working Space, Add</i>	1,676.94	
27 15 13 00-0402	MLF	25 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	8,164.96	3,433.49
		<i>For Work In Restricted Working Space, Add</i>	1,716.74	
27 15 13 00-0403	MLF	36 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	9,655.98	3,997.82
		<i>For Work In Restricted Working Space, Add</i>	1,998.92	
27 15 13 00-0404	MLF	40 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	10,352.27	4,278.99
		<i>For Work In Restricted Working Space, Add</i>	2,139.69	
27 15 13 00-0405	MLF	50 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	12,558.94	5,348.24
		<i>For Work In Restricted Working Space, Add</i>	2,673.72	
27 15 13 00-0406	MLF	100 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed .....	16,894.20	7,041.23
		<i>For Work In Restricted Working Space, Add</i>	3,520.20	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>27 15 13 00-0407 #22 AWG, Shielded, Low Voltage Cable, Installed Exposed</b> <small>(27 15 13 00-0349)</small>						
27 15 13 00-0408	MLF	1	Pair	#22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,953.25	1,102.91
				<i>For Work In Restricted Working Space, Add</i>	551.26	
27 15 13 00-0409	MLF	2	Pair	#22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,061.23	1,142.52
				<i>For Work In Restricted Working Space, Add</i>	570.86	
27 15 13 00-0410	MLF	3	Pair	#22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,187.43	1,182.12
				<i>For Work In Restricted Working Space, Add</i>	591.06	
27 15 13 00-0411	MLF	4	Pair	#22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,321.73	1,221.72
				<i>For Work In Restricted Working Space, Add</i>	611.26	
27 15 13 00-0412	MLF	5	Pair	#22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,538.75	1,304.89
				<i>For Work In Restricted Working Space, Add</i>	652.25	
27 15 13 00-0413	MLF	6	Pair	#22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,754.61	1,382.11
				<i>For Work In Restricted Working Space, Add</i>	691.45	
<b>27 15 13 00-0414 Triad, Installed Exposed</b> <small>(27 15 13 00-0349)</small>						
27 15 13 00-0415	MLF	1	Triad	#16 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	2,064.84	820.75
27 15 13 00-0416	MLF	4	Triad	#20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	2,730.85	1,135.59
27 15 13 00-0417	MLF	8	Triad	#20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	4,207.74	1,677.14
27 15 13 00-0418	MLF	12	Triad	#20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	5,185.87	1,998.91
27 15 13 00-0419	MLF	24	Triad	#20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	8,384.16	3,096.88
27 15 13 00-0420	MLF	36	Triad	#20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	9,619.85	3,520.62
<b>27 15 13 00-0421 Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit</b> <small>(27 15 13 00-0276)</small>						
<b>27 15 13 00-0422 #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit</b> <small>(27 15 13 00-0421)</small>						
27 15 13 00-0423	MLF	1	Pair	#14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,663.81	857.39
				<i>For Work In Restricted Working Space, Add</i>	428.59	
27 15 13 00-0424	MLF	2	Pair	#14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,914.10	888.07
				<i>For Work In Restricted Working Space, Add</i>	444.04	
27 15 13 00-0425	MLF	3	Pair	#14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,136.23	918.77
				<i>For Work In Restricted Working Space, Add</i>	459.48	
27 15 13 00-0426	MLF	4	Pair	#14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,370.08	950.45
				<i>For Work In Restricted Working Space, Add</i>	475.22	
27 15 13 00-0427	MLF	5	Pair	#14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,645.66	1,013.81
				<i>For Work In Restricted Working Space, Add</i>	506.71	
27 15 13 00-0428	MLF	6	Pair	#14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,902.91	1,077.17
				<i>For Work In Restricted Working Space, Add</i>	538.49	
27 15 13 00-0429	MLF	8	Pair	#14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,176.52	1,205.88
				<i>For Work In Restricted Working Space, Add</i>	602.94	
27 15 13 00-0430	MLF	12	Pair	#14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,204.01	1,589.03
				<i>For Work In Restricted Working Space, Add</i>	794.51	
27 15 13 00-0431	MLF	24	Pair	#14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,246.13	2,347.41
				<i>For Work In Restricted Working Space, Add</i>	1,173.80	
<b>27 15 13 00-0432 #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit</b> <small>(27 15 13 00-0421)</small>						
27 15 13 00-0433	MLF	1	Pair	#16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,483.26	765.30
				<i>For Work In Restricted Working Space, Add</i>	382.85	
27 15 13 00-0434	MLF	2	Pair	#16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,703.87	793.03
				<i>For Work In Restricted Working Space, Add</i>	396.51	
27 15 13 00-0435	MLF	3	Pair	#16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,899.67	820.75
				<i>For Work In Restricted Working Space, Add</i>	410.18	
27 15 13 00-0436	MLF	4	Pair	#16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,106.93	848.47
				<i>For Work In Restricted Working Space, Add</i>	424.43	
27 15 13 00-0437	MLF	5	Pair	#16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,351.25	904.90
				<i>For Work In Restricted Working Space, Add</i>	452.65	
27 15 13 00-0438	MLF	6	Pair	#16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,579.54	962.32
				<i>For Work In Restricted Working Space, Add</i>	481.17	
27 15 13 00-0439	MLF	7	Pair	#16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,700.47	1,019.75
				<i>For Work In Restricted Working Space, Add</i>	509.68	

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
27 15 13 00-0440	MLF 8 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,888.79	1,077.17
	<i>For Work In Restricted Working Space, Add</i>	538.49	
27 15 13 00-0441	MLF 9 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,184.85	1,145.48
	<i>For Work In Restricted Working Space, Add</i>	572.61	
27 15 13 00-0442	MLF 12 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,734.63	1,418.74
	<i>For Work In Restricted Working Space, Add</i>	709.42	
27 15 13 00-0443	MLF 24 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,548.71	2,095.93
	<i>For Work In Restricted Working Space, Add</i>	1,048.16	
<b>27 15 13 00-0444</b>	<b>#18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0421)</b>		
27 15 13 00-0445	MLF 1 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,295.56	673.23
	<i>For Work In Restricted Working Space, Add</i>	336.82	
27 15 13 00-0446	MLF 2 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,473.22	697.98
	<i>For Work In Restricted Working Space, Add</i>	348.99	
27 15 13 00-0447	MLF 3 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,585.34	722.73
	<i>For Work In Restricted Working Space, Add</i>	361.17	
27 15 13 00-0448	MLF 4 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,733.22	746.50
	<i>For Work In Restricted Working Space, Add</i>	373.35	
27 15 13 00-0449	MLF 5 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,912.72	796.99
	<i>For Work In Restricted Working Space, Add</i>	398.59	
27 15 13 00-0450	MLF 6 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,091.25	847.49
	<i>For Work In Restricted Working Space, Add</i>	423.54	
27 15 13 00-0451	MLF 8 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,508.89	947.48
	<i>For Work In Restricted Working Space, Add</i>	473.74	
27 15 13 00-0452	MLF 12 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,260.46	1,248.46
	<i>For Work In Restricted Working Space, Add</i>	624.32	
27 15 13 00-0453	MLF 24 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,362.22	1,844.46
	<i>For Work In Restricted Working Space, Add</i>	922.23	
<b>27 15 13 00-0454</b>	<b>#20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0421)</b>		
27 15 13 00-0455	MLF 1 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,142.74	612.84
	<i>For Work In Restricted Working Space, Add</i>	306.22	
27 15 13 00-0456	MLF 2 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,265.35	634.62
	<i>For Work In Restricted Working Space, Add</i>	317.21	
27 15 13 00-0457	MLF 3 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,492.80	722.73
	<i>For Work In Restricted Working Space, Add</i>	361.17	
27 15 13 00-0458	MLF 4 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,640.81	759.77
	<i>For Work In Restricted Working Space, Add</i>	379.88	
27 15 13 00-0459	MLF 5 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,785.75	796.99
	<i>For Work In Restricted Working Space, Add</i>	398.59	
27 15 13 00-0460	MLF 6 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,941.22	847.49
	<i>For Work In Restricted Working Space, Add</i>	423.54	
27 15 13 00-0461	MLF 8 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,137.81	943.12
	<i>For Work In Restricted Working Space, Add</i>	471.66	
27 15 13 00-0462	MLF 12 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,635.31	1,135.59
	<i>For Work In Restricted Working Space, Add</i>	567.59	
27 15 13 00-0463	MLF 24 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,909.89	1,677.14
	<i>For Work In Restricted Working Space, Add</i>	838.47	
27 15 13 00-0464	MLF 25 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,102.06	1,716.75
	<i>For Work In Restricted Working Space, Add</i>	858.37	
27 15 13 00-0465	MLF 36 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,851.97	1,998.91
	<i>For Work In Restricted Working Space, Add</i>	999.46	
27 15 13 00-0466	MLF 40 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,201.94	2,139.50
	<i>For Work In Restricted Working Space, Add</i>	1,069.85	
27 15 13 00-0467	MLF 50 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,308.69	2,674.13
	<i>For Work In Restricted Working Space, Add</i>	1,336.86	
27 15 13 00-0468	MLF 100 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	8,488.46	3,520.62
	<i>For Work In Restricted Working Space, Add</i>	1,760.10	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 15 13 00-0469				<b>#22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit</b> <small>(27 15 13 00-0421)</small>		
27 15 13 00-0470	MLF			1 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	999.66	551.46
				<i>For Work In Restricted Working Space, Add</i> .....	275.63	
27 15 13 00-0471	MLF			2 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,062.12	571.26
				<i>For Work In Restricted Working Space, Add</i> .....	285.43	
27 15 13 00-0472	MLF			3 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,142.48	591.06
				<i>For Work In Restricted Working Space, Add</i> .....	295.53	
27 15 13 00-0473	MLF			4 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,229.75	610.87
				<i>For Work In Restricted Working Space, Add</i> .....	305.63	
27 15 13 00-0474	MLF			5 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,348.22	652.44
				<i>For Work In Restricted Working Space, Add</i> .....	326.12	
27 15 13 00-0475	MLF			6 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,474.55	691.05
				<i>For Work In Restricted Working Space, Add</i> .....	345.72	
27 15 13 00-0476				<b>Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed</b> <small>(27 15 13 00-0276)</small>		
27 15 13 00-0477				<b>#14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed</b> <small>(27 15 13 00-0476)</small>		
27 15 13 00-0478	MLF			1 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,092.46	1,714.76
				<i>For Work In Restricted Working Space, Add</i> .....	857.19	
27 15 13 00-0479	MLF			2 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,394.23	1,776.15
				<i>For Work In Restricted Working Space, Add</i> .....	888.08	
27 15 13 00-0480	MLF			3 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,667.83	1,837.53
				<i>For Work In Restricted Working Space, Add</i> .....	918.96	
27 15 13 00-0481	MLF			4 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,954.16	1,900.90
				<i>For Work In Restricted Working Space, Add</i> .....	950.45	
27 15 13 00-0482	MLF			5 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,334.68	2,027.62
				<i>For Work In Restricted Working Space, Add</i> .....	1,013.42	
27 15 13 00-0483	MLF			6 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,697.87	2,154.35
				<i>For Work In Restricted Working Space, Add</i> .....	1,076.98	
27 15 13 00-0484	MLF			8 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	5,186.32	2,411.76
				<i>For Work In Restricted Working Space, Add</i> .....	1,205.88	
27 15 13 00-0485	MLF			12 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	6,852.39	3,178.06
				<i>For Work In Restricted Working Space, Add</i> .....	1,589.03	
27 15 13 00-0486	MLF			24 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	10,158.81	4,694.82
				<i>For Work In Restricted Working Space, Add</i> .....	2,347.61	
27 15 13 00-0487				<b>#16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed</b> <small>(27 15 13 00-0476)</small>		
27 15 13 00-0488	MLF			1 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,759.44	1,530.62
				<i>For Work In Restricted Working Space, Add</i> .....	765.71	
27 15 13 00-0489	MLF			2 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,025.59	1,586.06
				<i>For Work In Restricted Working Space, Add</i> .....	793.03	
27 15 13 00-0490	MLF			3 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,266.94	1,641.50
				<i>For Work In Restricted Working Space, Add</i> .....	820.36	
27 15 13 00-0491	MLF			4 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,521.71	1,696.94
				<i>For Work In Restricted Working Space, Add</i> .....	848.87	
27 15 13 00-0492	MLF			5 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,860.08	1,809.81
				<i>For Work In Restricted Working Space, Add</i> .....	905.30	
27 15 13 00-0493	MLF			6 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,183.41	1,924.66
				<i>For Work In Restricted Working Space, Add</i> .....	962.33	
27 15 13 00-0494	MLF			7 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,399.39	2,039.50
				<i>For Work In Restricted Working Space, Add</i> .....	1,019.36	
27 15 13 00-0495	MLF			8 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,683.75	2,154.35
				<i>For Work In Restricted Working Space, Add</i> .....	1,076.98	
27 15 13 00-0496	MLF			9 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	5,093.57	2,290.98
				<i>For Work In Restricted Working Space, Add</i> .....	1,145.23	

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
27 15 13 00-0497	MLF	12 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,099.35		2,837.48
		<i>For Work In Restricted Working Space, Add</i>	1,418.84		
27 15 13 00-0498	MLF	24 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	9,042.59		4,191.87
		<i>For Work In Restricted Working Space, Add</i>	2,096.33		
<b>27 15 13 00-0499</b>		<b>#18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed</b> <small>(27 15 13 00-0476)</small>			
27 15 13 00-0500	MLF	1 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,418.27		1,346.46
		<i>For Work In Restricted Working Space, Add</i>	673.63		
27 15 13 00-0501	MLF	2 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,636.54		1,395.97
		<i>For Work In Restricted Working Space, Add</i>	697.99		
27 15 13 00-0502	MLF	3 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,789.24		1,445.48
		<i>For Work In Restricted Working Space, Add</i>	722.34		
27 15 13 00-0503	MLF	4 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,977.70		1,492.99
		<i>For Work In Restricted Working Space, Add</i>	746.69		
27 15 13 00-0504	MLF	5 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,241.37		1,593.98
		<i>For Work In Restricted Working Space, Add</i>	797.19		
27 15 13 00-0505	MLF	6 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,503.06		1,694.96
		<i>For Work In Restricted Working Space, Add</i>	847.09		
27 15 13 00-0506	MLF	8 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,088.02		1,894.95
		<i>For Work In Restricted Working Space, Add</i>	947.48		
27 15 13 00-0507	MLF	12 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,341.54		2,496.90
		<i>For Work In Restricted Working Space, Add</i>	1,248.65		
27 15 13 00-0508	MLF	24 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	7,436.31		3,688.93
		<i>For Work In Restricted Working Space, Add</i>	1,844.45		
<b>27 15 13 00-0509</b>		<b>#20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed</b> <small>(27 15 13 00-0476)</small>			
27 15 13 00-0510	MLF	1 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,163.48		1,225.68
		<i>For Work In Restricted Working Space, Add</i>	612.44		
27 15 13 00-0511	MLF	2 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,322.73		1,269.25
		<i>For Work In Restricted Working Space, Add</i>	634.43		
27 15 13 00-0512	MLF	3 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,696.70		1,445.48
		<i>For Work In Restricted Working Space, Add</i>	722.34		
27 15 13 00-0513	MLF	4 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,907.07		1,519.53
		<i>For Work In Restricted Working Space, Add</i>	759.76		
27 15 13 00-0514	MLF	5 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,114.40		1,593.98
		<i>For Work In Restricted Working Space, Add</i>	797.19		
27 15 13 00-0515	MLF	6 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,353.03		1,694.96
		<i>For Work In Restricted Working Space, Add</i>	847.09		
27 15 13 00-0516	MLF	8 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,710.01		1,886.24
		<i>For Work In Restricted Working Space, Add</i>	943.32		
27 15 13 00-0517	MLF	12 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,527.30		2,271.17
		<i>For Work In Restricted Working Space, Add</i>	1,135.19		
27 15 13 00-0518	MLF	24 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,704.79		3,354.29
		<i>For Work In Restricted Working Space, Add</i>	1,676.94		
27 15 13 00-0519	MLF	25 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,963.28		3,433.49
		<i>For Work In Restricted Working Space, Add</i>	1,716.74		
27 15 13 00-0520	MLF	36 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	8,183.51		3,997.82
		<i>For Work In Restricted Working Space, Add</i>	1,998.92		
27 15 13 00-0521	MLF	40 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	8,768.09		4,278.99
		<i>For Work In Restricted Working Space, Add</i>	2,139.69		
27 15 13 00-0522	MLF	50 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	10,764.89		5,348.24
		<i>For Work In Restricted Working Space, Add</i>	2,673.72		
27 15 13 00-0523	MLF	100 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	14,355.45		7,041.23
		<i>For Work In Restricted Working Space, Add</i>	3,520.20		
<b>27 15 13 00-0524</b>		<b>#22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed</b> <small>(27 15 13 00-0476)</small>			



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	27 15 13 00-0525	MLF	1 Pair	#22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,918.42 551.26	1,102.91
	27 15 13 00-0526	MLF	2 Pair	#22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,013.57 570.86	1,142.52
	27 15 13 00-0527	MLF	3 Pair	#22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,127.58 591.06	1,182.12
	27 15 13 00-0528	MLF	4 Pair	#22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,248.51 611.26	1,221.72
	27 15 13 00-0529	MLF	5 Pair	#22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,435.29 652.25	1,304.89
	27 15 13 00-0530	MLF	6 Pair	#22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,626.98 691.45	1,382.11
	<b>27 15 13 00-0531</b>			<b>Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench</b> <small>(27 15 13 00-0276)</small> Note: Excludes excavation.		
	27 15 13 00-0532	MLF	1 Pair	#14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	1,802.45	
	27 15 13 00-0533	MLF	2 Pair	#14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	2,240.78	
	27 15 13 00-0534	MLF	3 Pair	#14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	2,624.92	
	27 15 13 00-0535	MLF	4 Pair	#14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	3,031.83	
	27 15 13 00-0536	MLF	5 Pair	#14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	3,467.50	
	27 15 13 00-0537	MLF	6 Pair	#14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	3,864.30	
	<b>27 15 13 00-0538</b>			<b>Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)</b> <small>(27 15 13 00-0276)</small>		
	27 15 13 00-0539	MLF	1 Pair	#14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	1,896.22	541.82
	27 15 13 00-0540	MLF	2 Pair	#14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	2,389.93	580.48
	27 15 13 00-0541	MLF	3 Pair	#14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	3,131.41	733.85
	27 15 13 00-0542	MLF	4 Pair	#14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	3,792.56	848.78
	27 15 13 00-0543	MLF	5 Pair	#14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	6,192.13	967.43
	27 15 13 00-0544	MLF	6 Pair	#14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	7,477.14	1,235.97
	<b>27 15 13 00-0545</b>			<b>Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit</b> <small>(27 15 13 00-0276)</small>		
	27 15 13 00-0546	MLF	1 Pair	#16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,482.88	765.30
	27 15 13 00-0547	MLF	2 Pair	#16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,809.26	793.03
	27 15 13 00-0548	MLF	3 Pair	#16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,038.12	820.75
	27 15 13 00-0549	MLF	4 Pair	#16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,158.78	848.47
	27 15 13 00-0550	MLF	5 Pair	#16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,606.82	904.90
	27 15 13 00-0551	MLF	6 Pair	#16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,822.76	962.32
	27 15 13 00-0552	MLF	8 Pair	#16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,550.14	1,077.17
	27 15 13 00-0553	MLF	12 Pair	#16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,399.28	1,418.74
	27 15 13 00-0554	MLF	24 Pair	#16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,687.32	2,095.93
	27 15 13 00-0555	MLF	1 Pair	#18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,279.43	673.23
	27 15 13 00-0556	MLF	2 Pair	#18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,547.21	697.98
	27 15 13 00-0557	MLF	3 Pair	#18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,768.20	722.73
	27 15 13 00-0558	MLF	4 Pair	#18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,876.07	746.50
	27 15 13 00-0559	MLF	5 Pair	#18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,258.56	796.99
	27 15 13 00-0560	MLF	6 Pair	#18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,542.85	847.49
	27 15 13 00-0561	MLF	8 Pair	#18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,873.49	947.48
	27 15 13 00-0562	MLF	12 Pair	#18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,709.57	1,248.46
	27 15 13 00-0563	MLF	24 Pair	#18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,946.85	1,844.46
	27 15 13 00-0564	MLF	1 Pair	#20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,128.00	612.84
	27 15 13 00-0565	MLF	2 Pair	#20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,297.24	634.62
	27 15 13 00-0566	MLF	3 Pair	#20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,461.18	656.40
	27 15 13 00-0567	MLF	4 Pair	#20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,563.59	679.17

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0568	MLF	5 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,704.63	724.72	
27 15 13 00-0569	MLF	6 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,864.13	770.26	
27 15 13 00-0570	MLF	8 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,087.92	861.35	
27 15 13 00-0571	MLF	12 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,886.58	1,135.59	
27 15 13 00-0572	MLF	24 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,392.58	1,677.14	
27 15 13 00-0573	MLF	25 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,639.10	1,716.75	
27 15 13 00-0574	MLF	36 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,481.48	1,998.91	
27 15 13 00-0575	MLF	40 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,910.10	2,139.50	
27 15 13 00-0576	MLF	50 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	7,110.65	2,674.13	
27 15 13 00-0577	MLF	100 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	9,623.32	3,520.62	
27 15 13 00-0578	MLF	250 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	18,649.52	6,484.82	
27 15 13 00-0579	MLF	500 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	28,302.78	8,581.75	
27 15 13 00-0580	MLF	750 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	37,982.88	10,814.31	
27 15 13 00-0581	MLF	1200 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	53,541.62	14,833.91	
27 15 13 00-0582	MLF	1 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,089.36	612.84	
27 15 13 00-0583	MLF	2 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,210.81	634.62	
27 15 13 00-0584	MLF	3 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,328.89	656.40	
27 15 13 00-0585	MLF	4 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,407.94	679.17	
27 15 13 00-0586	MLF	5 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,525.63	724.72	
27 15 13 00-0587	MLF	6 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,654.77	770.26	
27 15 13 00-0588	MLF	8 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,852.86	861.35	
27 15 13 00-0589	MLF	12 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,528.21	1,135.59	
27 15 13 00-0590	MLF	24 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,816.90	1,677.14	
27 15 13 00-0591	MLF	25 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,998.50	1,716.75	
27 15 13 00-0592	MLF	36 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,725.16	1,998.91	
27 15 13 00-0593	MLF	40 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,065.52	2,139.50	
27 15 13 00-0594	MLF	50 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,154.18	2,674.13	
27 15 13 00-0595	MLF	100 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	8,269.84	3,520.62	
27 15 13 00-0596	MLF	250 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	15,785.19	6,484.82	
27 15 13 00-0597	MLF	500 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	23,245.76	8,581.75	
27 15 13 00-0598	MLF	750 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	30,774.65	10,814.31	
27 15 13 00-0599	MLF	1200 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	43,135.21	14,833.91	

**27 15 13 00-0600 Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit**

(27 15 13 00-0276)

27 15 13 00-0601	MLF	1 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,557.07	765.30
27 15 13 00-0602	MLF	2 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,825.40	793.03
27 15 13 00-0603	MLF	3 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,987.18	820.75
27 15 13 00-0604	MLF	4 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,208.07	848.47
27 15 13 00-0605	MLF	5 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,459.09	904.90
27 15 13 00-0606	MLF	6 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,708.13	962.32
27 15 13 00-0607	MLF	8 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,306.03	1,077.17
27 15 13 00-0608	MLF	12 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,283.12	1,418.74
27 15 13 00-0609	MLF	24 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,399.77	2,095.93
27 15 13 00-0610	MLF	1 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,361.49	673.23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0611 MLF 2 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,591.44	697.98
27 15 13 00-0612 MLF 3 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,730.84	722.73
27 15 13 00-0613 MLF 4 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,919.65	746.50
27 15 13 00-0614 MLF 5 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,135.52	796.99
27 15 13 00-0615 MLF 6 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,350.42	847.49
27 15 13 00-0616 MLF 8 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,863.54	947.48
27 15 13 00-0617 MLF 12 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,711.30	1,248.46
27 15 13 00-0618 MLF 24 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,544.11	1,844.46
27 15 13 00-0619 MLF 1 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,189.28	612.84
27 15 13 00-0620 MLF 2 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,386.71	634.62
27 15 13 00-0621 MLF 3 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,522.15	656.40
27 15 13 00-0622 MLF 4 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,775.55	679.17
27 15 13 00-0623 MLF 5 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,986.64	724.72
27 15 13 00-0624 MLF 6 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,411.36	770.26
27 15 13 00-0625 MLF 8 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,694.80	861.35
27 15 13 00-0626 MLF 12 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,383.68	1,135.59
27 15 13 00-0627 MLF 24 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,119.62	1,677.14
27 15 13 00-0628 MLF 25 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,446.77	1,716.75
27 15 13 00-0629 MLF 36 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,499.95	1,998.91
27 15 13 00-0630 MLF 40 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,974.94	2,139.50
27 15 13 00-0631 MLF 50 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	8,316.54	2,674.13
27 15 13 00-0632 MLF 100 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	11,329.79	3,520.62
27 15 13 00-0633 MLF 250 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	22,261.41	6,484.82
27 15 13 00-0634 MLF 500 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	34,679.42	8,581.75
27 15 13 00-0635 MLF 750 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	47,071.10	10,814.31
27 15 13 00-0636 MLF 1200 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	66,662.36	14,832.92
27 15 13 00-0637 MLF 1 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,128.55	612.84
27 15 13 00-0638 MLF 2 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,268.04	634.62
27 15 13 00-0639 MLF 3 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,367.89	656.40
27 15 13 00-0640 MLF 4 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,543.53	679.17
27 15 13 00-0641 MLF 5 Pair #22 AWG, Solid, Low Voltage, Plenum Rated, Non-Shielded, Installed In Conduit.....	1,706.03	724.72
27 15 13 00-0642 MLF 6 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,004.83	770.26
27 15 13 00-0643 MLF 8 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,241.08	861.35
27 15 13 00-0644 MLF 12 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,846.19	1,135.59
27 15 13 00-0645 MLF 24 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,281.97	1,677.14
27 15 13 00-0646 MLF 25 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,515.14	1,716.75
27 15 13 00-0647 MLF 36 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,358.28	1,998.91
27 15 13 00-0648 MLF 40 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,746.68	2,139.50
27 15 13 00-0649 MLF 50 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,925.57	2,674.13
27 15 13 00-0650 MLF 100 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	9,361.42	3,520.62
27 15 13 00-0651 MLF 250 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	18,095.45	6,484.82
27 15 13 00-0652 MLF 500 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	27,324.72	8,581.75
27 15 13 00-0653 MLF 750 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	36,588.49	10,814.31
27 15 13 00-0654 MLF 1200 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	51,529.11	14,833.91

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0655			<b>Sound System Cables</b> <small>(27 15 13)</small> Note: Cables shall be type CL2 or CM and as manufactured by West Penn Wire, Belden or approved equal.		
27 15 13 00-0656			<b>Speaker/Communications And Control Cable, Installed Exposed</b> <small>(27 15 13 00-0655)</small>		
27 15 13 00-0657			<b>Non-Plenum Rated Speaker/Communications And Control Cable, Installed Exposed</b> <small>(27 15 13 00-0656)</small>		
27 15 13 00-0658	MLF	2	Conductor, #16 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	1,706.53	693.04
			<i>For Work In Restricted Working Space, Add</i> .....	415.82	
27 15 13 00-0659	MLF	2	Conductor, #18 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	1,598.44	693.04
			<i>For Work In Restricted Working Space, Add</i> .....	415.82	
27 15 13 00-0660	MLF	2	Conductor, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	1,515.07	693.04
			<i>For Work In Restricted Working Space, Add</i> .....	415.82	
27 15 13 00-0661	MLF	4	Conductor, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	1,606.24	693.04
			<i>For Work In Restricted Working Space, Add</i> .....	415.82	
27 15 13 00-0662	MLF	4	Conductor, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	1,899.28	693.04
			<i>For Work In Restricted Working Space, Add</i> .....	415.82	
27 15 13 00-0663	MLF	6	Conductor, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	2,191.34	693.04
			<i>For Work In Restricted Working Space, Add</i> .....	415.82	
27 15 13 00-0664	MLF	4	Conductor, #20 AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,900.51	693.04
			<i>For Work In Restricted Working Space, Add</i> .....	415.82	
27 15 13 00-0665	MLF	4	Conductor, #22 AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,759.80	693.04
			<i>For Work In Restricted Working Space, Add</i> .....	415.82	
27 15 13 00-0666			<b>Plenum Rated Speaker/Communications And Control Cable, Installed Exposed</b> <small>(27 15 13 00-0656)</small>		
27 15 13 00-0667	MLF	2	Conductor, #16 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	1,751.19	693.04
			<i>For Work In Restricted Working Space, Add</i> .....	415.82	
27 15 13 00-0668	MLF	2	Conductor, #18 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	1,626.85	693.04
			<i>For Work In Restricted Working Space, Add</i> .....	415.82	
27 15 13 00-0669	MLF	2	Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	1,556.47	693.04
			<i>For Work In Restricted Working Space, Add</i> .....	415.82	
27 15 13 00-0670	MLF	4	Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	1,673.90	693.04
			<i>For Work In Restricted Working Space, Add</i> .....	415.82	
27 15 13 00-0671	MLF	8	Conductors, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	1,922.01	693.04
			<i>For Work In Restricted Working Space, Add</i> .....	415.82	
27 15 13 00-0672	MLF	2	Conductors, #16 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	1,894.64	693.04
			<i>For Work In Restricted Working Space, Add</i> .....	415.82	
27 15 13 00-0673	MLF	2	Conductors, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	1,722.65	693.04
			<i>For Work In Restricted Working Space, Add</i> .....	415.82	
27 15 13 00-0674	MLF	4	Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	2,015.00	693.04
			<i>For Work In Restricted Working Space, Add</i> .....	415.82	
27 15 13 00-0675	MLF	6	Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	2,306.55	693.04
			<i>For Work In Restricted Working Space, Add</i> .....	415.82	
27 15 13 00-0676	MLF	2	Conductor, #22 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	1,591.76	693.04
			<i>For Work In Restricted Working Space, Add</i> .....	415.82	
27 15 13 00-0677	MLF	2	Conductor, #20 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	1,649.85	693.04
			<i>For Work In Restricted Working Space, Add</i> .....	415.82	
27 15 13 00-0678			<b>Speaker/Communications And Control Cable, Installed In Conduit</b> <small>(27 15 13 00-0655)</small>		
27 15 13 00-0679			<b>Non-Plenum Rated Speaker/Communications And Control Cable, Installed In Conduit</b> <small>(27 15 13 00-0678)</small>		
27 15 13 00-0680	MLF	2	Conductors, #16 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,013.50	346.51
27 15 13 00-0681	MLF	2	Conductors, #18 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	905.41	346.51
27 15 13 00-0682	MLF	2	Conductors, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	822.04	346.51
27 15 13 00-0683	MLF	4	Conductors, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	913.21	346.51
27 15 13 00-0684	MLF	4	Conductors, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,206.25	346.51
27 15 13 00-0685	MLF	6	Conductors, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,498.31	346.51
27 15 13 00-0686	MLF	4	Conductors (2 Shielded, 2 Unshielded), #20 AWG, Stranded, Non-Plenum Rated, Microphone/Communications Cable, Installed In Conduit.....	1,207.48	346.51

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 15 13 00-0687	MLF	4	Conductors (2 Shielded, 2 Unshielded), #22 AWG, Stranded, Non-Plenum Rated, Microphone/Communications Cable, Installed In Conduit .....	1,066.77	346.51
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**27 15 13 00-0688 Plenum Rated Speaker/Communications And Control Cable, Installed In Conduit** (27 15 13 00-0678)

27 15 13 00-0689	MLF	2	Conductor, #6 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,058.16	346.51
27 15 13 00-0690	MLF	2	Conductor, #18 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	933.82	346.51
27 15 13 00-0691	MLF	2	Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	863.44	346.51
27 15 13 00-0692	MLF	4	Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	980.87	346.51
27 15 13 00-0693	MLF	8	Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,228.98	346.51
27 15 13 00-0694	MLF	2	Conductor, #16 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,201.61	346.51
27 15 13 00-0695	MLF	2	Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,029.62	346.51
27 15 13 00-0696	MLF	4	Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,321.97	346.51
27 15 13 00-0697	MLF	6	Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,613.52	346.51
27 15 13 00-0698	MLF	2	Conductor, #20 AWG, Stranded, Shielded, Plenum Rated, Microphone/Communications And Control Cable, Installed In Conduit.....	956.82	346.51
27 15 13 00-0699	MLF	2	Conductor, #22 AWG, Stranded, Shielded, Plenum Rated, Microphone/Communications And Control Cable, Installed In Conduit.....	898.73	346.51

**27 15 23 Communications Optical Fiber Horizontal Cabling** (27 15)

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.

**27 15 23 00-0001 Indoor Fiber Optic Cable** (27 15 23)

Note: Distribution cables contain multiple tight-buffered fibers bundled under the same jacket with Kevlar strength members. Break-out cables contain multiple individually reinforced and jacketed simplex cables bundled together.

**27 15 23 00-0002 Indoor Fiber Optic Cable, Installed In Conduit** (27 15 23 00-0001)

Note: Excludes conduit or innerduct.

**27 15 23 00-0003 Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit** (27 15 23 00-0002)

**27 15 23 00-0004 Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit** (27 15 23 00-0003)

**27 15 23 00-0005 Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit** (27 15 23 00-0004)

27 15 23 00-0006	MLF	1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....		963.39	390.14
27 15 23 00-0007	MLF	2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....		1,057.76	390.14
27 15 23 00-0008	MLF	4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....		1,089.27	390.14
27 15 23 00-0009	MLF	6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....		1,201.49	390.14
		<i>For Aluminum Armored Cable, Add</i>		1,012.81	
		<i>For Steel Armored Cable, Add</i>		3,123.02	
27 15 23 00-0010	MLF	8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....		1,233.66	390.14
27 15 23 00-0011	MLF	12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....		1,428.14	390.14
		<i>For Aluminum Armored Cable, Add</i>		1,092.64	
		<i>For Steel Armored Cable, Add</i>		3,412.91	
27 15 23 00-0012	MLF	18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....		2,477.82	455.18
27 15 23 00-0013	MLF	24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....		3,516.68	455.18
		<i>For Aluminum Armored Cable With Sub-Units, Add</i>		1,097.67	
		<i>For Steel Armored Cable, Add</i>		5,773.15	
27 15 23 00-0014	MLF	36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....		4,306.23	455.18
		<i>For Aluminum Armored Cable With Sub-Units, Add</i>		1,060.56	
		<i>For Steel Armored Cable, Add</i>		5,970.79	
27 15 23 00-0015	MLF	48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....		4,459.36	455.18
		<i>For Aluminum Armored Cable With Sub-Units, Add</i>		1,115.97	
		<i>For Steel Armored Cable, Add</i>		6,243.21	
27 15 23 00-0016	MLF	60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....		5,425.02	455.18
27 15 23 00-0017	MLF	72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....		5,681.82	455.18
27 15 23 00-0018	MLF	96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....		7,032.59	455.18
27 15 23 00-0019	MLF	120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....		9,462.99	520.20
27 15 23 00-0020	MLF	144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....		11,304.99	520.20

**27 15 23 00-0021 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit** (27 15 23 00-0004)

27 15 23 00-0022	MLF	1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....		990.57	390.14
27 15 23 00-0023	MLF	2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....		1,160.49	390.14
27 15 23 00-0024	MLF	4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....		1,463.45	390.14
27 15 23 00-0025	MLF	6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....		1,782.35	390.14
		<i>For Aluminum Armored Cable, Add</i>		795.86	
		<i>For Steel Armored Cable, Add</i>		1,090.93	

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
27 15 23 00-0026	MLF 8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,085.30	390.14
27 15 23 00-0027	MLF 12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,707.15	390.14
	<i>For Aluminum Armored Cable, Add</i>	669.26	
	<i>For Steel Armored Cable, Add</i>	1,053.72	
27 15 23 00-0028	MLF 18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,974.98	455.18
27 15 23 00-0029	MLF 24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,223.22	455.18
	<i>For Aluminum Armored Cable With Sub-Units, Add</i>	-236.90	
	<i>For Steel Armored Cable, Add</i>	-236.90	
27 15 23 00-0030	MLF 36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,455.52	455.18
27 15 23 00-0031	MLF 48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	9,687.82	455.18
	<i>For Aluminum Armored Cable With Sub-Units, Add</i>	-643.88	
27 15 23 00-0032	MLF 60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	11,920.12	455.18
27 15 23 00-0033	MLF 72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	14,152.42	455.18
27 15 23 00-0034	MLF 96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	18,632.96	455.18
	<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,957.86	
27 15 23 00-0035	MLF 120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	23,205.93	520.20
27 15 23 00-0036	MLF 144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	27,670.53	520.20
<b>27 15 23 00-0037</b>	<b>62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0004)</b>		
27 15 23 00-0038	MLF 1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,007.58	390.14
27 15 23 00-0039	MLF 2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,186.00	390.14
27 15 23 00-0040	MLF 4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,504.10	390.14
27 15 23 00-0041	MLF 6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,838.95	390.14
27 15 23 00-0042	MLF 8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,157.05	390.14
27 15 23 00-0043	MLF 12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,810.00	390.14
27 15 23 00-0044	MLF 18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,085.79	455.18
27 15 23 00-0045	MLF 24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,446.45	455.18
27 15 23 00-0046	MLF 36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,790.36	455.18
27 15 23 00-0047	MLF 48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	10,134.28	455.18
27 15 23 00-0048	MLF 60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	12,478.20	455.18
27 15 23 00-0049	MLF 72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	14,822.11	455.18
27 15 23 00-0050	MLF 96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	19,526.68	455.18
27 15 23 00-0051	MLF 120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	24,322.88	520.20
27 15 23 00-0052	MLF 144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	29,010.71	520.20
<b>27 15 23 00-0053</b>	<b>Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0003)</b>		
<b>27 15 23 00-0054</b>	<b>Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0053)</b>		
27 15 23 00-0055	MLF 2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,838.06	390.14
27 15 23 00-0056	MLF 4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,190.01	390.14
27 15 23 00-0057	MLF 6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,964.31	390.14
27 15 23 00-0058	MLF 8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,333.82	390.14
27 15 23 00-0059	MLF 12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,851.24	390.14
27 15 23 00-0060	MLF 18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,169.80	455.18
27 15 23 00-0061	MLF 24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,791.70	455.18
27 15 23 00-0062	MLF 36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	11,009.06	455.18
27 15 23 00-0063	MLF 48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	13,516.69	455.18
<b>27 15 23 00-0064</b>	<b>50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0053)</b>		
27 15 23 00-0065	MLF 2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,377.56	390.14
27 15 23 00-0066	MLF 4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,922.17	390.14
27 15 23 00-0067	MLF 6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,820.12	390.14
27 15 23 00-0068	MLF 8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,154.71	390.14

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 15 23 00-0069	MLF			12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	4,546.18	390.14
27 15 23 00-0070	MLF			18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	7,656.43	455.18
27 15 23 00-0071	MLF			24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	7,611.33	455.18
27 15 23 00-0072	MLF			36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	11,024.01	455.18
27 15 23 00-0073	MLF			48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	16,894.96	455.18
<b>27 15 23 00-0074</b>				<b>62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0063)</small></b>		
27 15 23 00-0075	MLF			2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	2,463.92	390.14
27 15 23 00-0076	MLF			4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	3,035.77	390.14
27 15 23 00-0077	MLF			6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	3,978.61	390.14
27 15 23 00-0078	MLF			8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	5,379.94	390.14
27 15 23 00-0079	MLF			12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	4,740.97	390.14
27 15 23 00-0080	MLF			18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	8,001.32	455.18
27 15 23 00-0081	MLF			24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	7,953.96	455.18
27 15 23 00-0082	MLF			36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	11,537.28	455.18
27 15 23 00-0083	MLF			48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	17,701.78	455.18
<b>27 15 23 00-0084</b>				<b>Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0002)</small></b>		
<b>27 15 23 00-0085</b>				<b>Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0084)</small></b>		
<b>27 15 23 00-0086</b>				<b>Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0085)</small></b>		
27 15 23 00-0087	MLF			1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	1,018.65	390.14
27 15 23 00-0088	MLF			2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	1,024.21	390.14
27 15 23 00-0089	MLF			4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	1,316.06	390.14
27 15 23 00-0090	MLF			6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	1,350.21	390.14
				<i>For Aluminum Armored Cable, Add</i>	1,059.41	
				<i>For Steel Armored Cable, Add</i>	5,287.11	
27 15 23 00-0091	MLF			8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	1,522.12	390.14
27 15 23 00-0092	MLF			12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	1,554.29	390.14
				<i>For Aluminum Armored Cable, Add</i>	1,100.38	
				<i>For Steel Armored Cable, Add</i>	5,651.38	
27 15 23 00-0093	MLF			18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	3,705.82	455.18
27 15 23 00-0094	MLF			24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	4,811.02	455.18
				<i>For Aluminum Armored Cable With Sub-Units, Add</i>	-77.00	
				<i>For Steel Armored Cable, Add</i>	5,452.20	
27 15 23 00-0095	MLF			36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	7,736.36	455.18
27 15 23 00-0096	MLF			48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	7,942.42	455.18
				<i>For Aluminum Armored Cable With Sub-Units, Add</i>	-340.17	
				<i>For Steel Armored Cable, Add</i>	6,490.98	
27 15 23 00-0097	MLF			60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	9,619.38	455.18
27 15 23 00-0098	MLF			72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	11,409.84	455.18
27 15 23 00-0099	MLF			96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	15,130.77	455.18
<b>27 15 23 00-0100</b>				<b>50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0085)</small></b>		
27 15 23 00-0101	MLF			1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	988.74	390.14
27 15 23 00-0102	MLF			2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	1,389.13	390.14
27 15 23 00-0103	MLF			4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	1,841.77	390.14
27 15 23 00-0104	MLF			6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	2,303.49	390.14
				<i>For Aluminum Armored Cable, Add</i>	277.52	
				<i>For Steel Armored Cable, Add</i>	637.86	
27 15 23 00-0105	MLF			8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	2,745.90	390.14
27 15 23 00-0106	MLF			12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	3,130.29	390.14
				<i>For Aluminum Armored Cable, Add</i>	221.56	
				<i>For Steel Armored Cable, Add</i>	630.58	
27 15 23 00-0107	MLF			18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	3,995.24	455.18

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0108	MLF		24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,278.42	455.18
			<i>For Aluminum Armored Cable With Sub-Units, Add</i>	-699.08	
			<i>For Steel Armored Cable, Add</i>	-699.08	
27 15 23 00-0109	MLF		36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	10,538.32	455.18
27 15 23 00-0110	MLF		48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	13,798.22	455.18
			<i>For Aluminum Armored Cable With Sub-Units, Add</i>	-3,129.64	
27 15 23 00-0111	MLF		60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	17,058.12	455.18
27 15 23 00-0112	MLF		72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	20,318.02	455.18
27 15 23 00-0113	MLF		96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	26,861.10	455.18
			<i>For Aluminum Armored Cable With Sub-Units, Add</i>	-6,270.28	
<b>27 15 23 00-0114</b>			<b>62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0085)</small>		
27 15 23 00-0115	MLF		1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,005.66	390.14
27 15 23 00-0116	MLF		2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,426.07	390.14
27 15 23 00-0117	MLF		4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,901.34	390.14
27 15 23 00-0118	MLF		6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,386.15	390.14
27 15 23 00-0119	MLF		8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,850.68	390.14
27 15 23 00-0120	MLF		12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,254.29	390.14
27 15 23 00-0121	MLF		18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,157.07	455.18
27 15 23 00-0122	MLF		24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,604.41	455.18
27 15 23 00-0123	MLF		36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	11,027.30	455.18
27 15 23 00-0124	MLF		48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	14,450.20	455.18
27 15 23 00-0125	MLF		60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	17,873.10	455.18
27 15 23 00-0126	MLF		72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	21,295.99	455.18
27 15 23 00-0127	MLF		96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	28,166.23	455.18
<b>27 15 23 00-0128</b>			<b>Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0084)</small>		
<b>27 15 23 00-0129</b>			<b>Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0128)</small>		
27 15 23 00-0130	MLF		2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,914.42	390.14
27 15 23 00-0131	MLF		4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,342.64	390.14
27 15 23 00-0132	MLF		6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,372.08	390.14
27 15 23 00-0133	MLF		8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,380.97	390.14
27 15 23 00-0134	MLF		12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,991.14	390.14
27 15 23 00-0135	MLF		18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	9,979.61	455.18
27 15 23 00-0136	MLF		24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	14,413.59	455.18
27 15 23 00-0137	MLF		36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	17,446.77	455.18
27 15 23 00-0138	MLF		48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	21,781.59	455.18
<b>27 15 23 00-0139</b>			<b>50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0128)</small>		
27 15 23 00-0140	MLF		2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,826.86	390.14
27 15 23 00-0141	MLF		4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,046.55	390.14
27 15 23 00-0142	MLF		6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	8,223.65	390.14
27 15 23 00-0143	MLF		8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	9,333.23	390.14
27 15 23 00-0144	MLF		12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,137.24	390.14
27 15 23 00-0145	MLF		18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	15,148.75	455.18
27 15 23 00-0146	MLF		24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	9,751.77	455.18
27 15 23 00-0147	MLF		36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	19,659.73	455.18
27 15 23 00-0148	MLF		48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	31,494.82	455.18



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 15 23 00-0149				<b>62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0128)</small>		
27 15 23 00-0150	MLF			2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	5,035.69	390.14
27 15 23 00-0151	MLF			4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	6,316.36	390.14
27 15 23 00-0152	MLF			6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	8,602.32	390.14
27 15 23 00-0153	MLF			8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	9,767.38	390.14
27 15 23 00-0154	MLF			12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	6,411.59	390.14
27 15 23 00-0155	MLF			18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	15,868.26	455.18
27 15 23 00-0156	MLF			24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	10,201.42	455.18
27 15 23 00-0157	MLF			36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	20,604.79	455.18
27 15 23 00-0158	MLF			48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	33,031.63	455.18
27 15 23 00-0159				<b>Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0001)</small>		
27 15 23 00-0160				<b>Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0159)</small>		
27 15 23 00-0161				<b>Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0160)</small>		
27 15 23 00-0162				<b>Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0161)</small>		
27 15 23 00-0163	MLF			1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	1,180.13	520.20
				<i>For Work In Restricted Working Space, Add</i> .....	260.10	
27 15 23 00-0164	MLF			2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	1,274.50	520.20
				<i>For Work In Restricted Working Space, Add</i> .....	260.10	
27 15 23 00-0165	MLF			4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	1,306.01	520.20
				<i>For Work In Restricted Working Space, Add</i> .....	260.10	
27 15 23 00-0166	MLF			6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	1,418.23	520.20
				<i>For Aluminum Armored Cable, Add</i> .....	1,012.81	
				<i>For Steel Armored Cable, Add</i> .....	3,123.02	
				<i>For Work In Restricted Working Space, Add</i> .....	260.10	
27 15 23 00-0167	MLF			8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	1,450.40	520.20
				<i>For Work In Restricted Working Space, Add</i> .....	260.10	
27 15 23 00-0168	MLF			12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	1,644.88	520.20
				<i>For Aluminum Armored Cable, Add</i> .....	1,092.64	
				<i>For Steel Armored Cable, Add</i> .....	3,412.91	
				<i>For Work In Restricted Working Space, Add</i> .....	260.10	
27 15 23 00-0169	MLF			18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	2,694.57	585.22
				<i>For Work In Restricted Working Space, Add</i> .....	292.61	
27 15 23 00-0170	MLF			24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	3,733.43	585.22
				<i>For Aluminum Armored Cable With Sub-Units, Add</i> .....	1,097.67	
				<i>For Steel Armored Cable, Add</i> .....	5,773.15	
				<i>For Work In Restricted Working Space, Add</i> .....	292.61	
27 15 23 00-0171	MLF			36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	4,522.98	585.22
				<i>For Aluminum Armored Cable With Sub-Units, Add</i> .....	1,060.56	
				<i>For Steel Armored Cable, Add</i> .....	5,970.79	
				<i>For Work In Restricted Working Space, Add</i> .....	292.61	
27 15 23 00-0172	MLF			48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	4,676.11	585.22
				<i>For Aluminum Armored Cable With Sub-Units, Add</i> .....	1,115.97	
				<i>For Steel Armored Cable, Add</i> .....	6,243.21	
				<i>For Work In Restricted Working Space, Add</i> .....	292.61	
27 15 23 00-0173	MLF			60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	5,641.77	585.22
				<i>For Work In Restricted Working Space, Add</i> .....	292.61	
27 15 23 00-0174	MLF			72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	5,898.57	585.22
				<i>For Work In Restricted Working Space, Add</i> .....	292.61	
27 15 23 00-0175	MLF			96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	7,249.34	585.22
				<i>For Work In Restricted Working Space, Add</i> .....	292.61	
27 15 23 00-0176	MLF			120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	9,679.74	650.25
				<i>For Work In Restricted Working Space, Add</i> .....	325.12	
27 15 23 00-0177	MLF			144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	11,521.74	650.25
				<i>For Work In Restricted Working Space, Add</i> .....	325.12	
27 15 23 00-0178				<b>50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0161)</small>		
27 15 23 00-0179	MLF			1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	1,207.31	520.20
				<i>For Work In Restricted Working Space, Add</i> .....	260.10	
27 15 23 00-0180	MLF			2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	1,377.23	520.20
				<i>For Work In Restricted Working Space, Add</i> .....	260.10	
27 15 23 00-0181	MLF			4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	1,680.19	520.20
				<i>For Work In Restricted Working Space, Add</i> .....	260.10	
27 15 23 00-0182	MLF			6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	1,999.09	520.20
				<i>For Aluminum Armored Cable, Add</i> .....	795.86	
				<i>For Steel Armored Cable, Add</i> .....	1,090.93	
				<i>For Work In Restricted Working Space, Add</i> .....	260.10	

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0183	MLF		8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,302.04 260.10	520.20
27 15 23 00-0184	MLF		12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Aluminum Armored Cable, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,923.89 669.26 1,053.72 260.10	520.20
27 15 23 00-0185	MLF		18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	3,191.73 292.61	585.22
27 15 23 00-0186	MLF		24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	5,439.97 -236.90 -236.90 292.61	585.22
27 15 23 00-0187	MLF		36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	7,672.27 292.61	585.22
27 15 23 00-0188	MLF		48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Work In Restricted Working Space, Add</i>	9,904.57 -643.88 292.61	585.22
27 15 23 00-0189	MLF		60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed... <i>For Work In Restricted Working Space, Add</i>	12,136.87 292.61	585.22
27 15 23 00-0190	MLF		72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed... <i>For Work In Restricted Working Space, Add</i>	14,369.17 292.61	585.22
27 15 23 00-0191	MLF		96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed... <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Work In Restricted Working Space, Add</i>	18,849.71 1,957.86 292.61	585.22
27 15 23 00-0192	MLF		120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	23,422.68 325.12	650.25
27 15 23 00-0193	MLF		144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	27,887.28 325.12	650.25
27 15 23 00-0194			<b>62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0161)</small>		
27 15 23 00-0195	MLF		1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,224.32 260.10	520.20
27 15 23 00-0196	MLF		2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,402.74 260.10	520.20
27 15 23 00-0197	MLF		4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,720.84 260.10	520.20
27 15 23 00-0198	MLF		6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,055.69 260.10	520.20
27 15 23 00-0199	MLF		8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,373.79 260.10	520.20
27 15 23 00-0200	MLF		12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	3,026.74 260.10	520.20
27 15 23 00-0201	MLF		18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	3,302.54 292.61	585.22
27 15 23 00-0202	MLF		24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	5,663.20 292.61	585.22
27 15 23 00-0203	MLF		36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	8,007.11 292.61	585.22
27 15 23 00-0204	MLF		48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	10,351.03 292.61	585.22
27 15 23 00-0205	MLF		60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	12,694.95 292.61	585.22
27 15 23 00-0206	MLF		72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	15,038.86 292.61	585.22
27 15 23 00-0207	MLF		96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	19,743.43 292.61	585.22
27 15 23 00-0208	MLF		120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	24,539.63 325.12	650.25
27 15 23 00-0209	MLF		144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	29,227.46 325.12	650.25
27 15 23 00-0210			<b>Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0160)</small>		
27 15 23 00-0211			<b>Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0210)</small>		
27 15 23 00-0212	MLF		2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,054.80 260.10	520.20

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 15 23 00-0213	MLF			4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,406.75 260.10	520.20
27 15 23 00-0214	MLF			6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,181.05 260.10	520.20
27 15 23 00-0215	MLF			8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,550.56 260.10	520.20
27 15 23 00-0216	MLF			12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	6,067.98 260.10	520.20
27 15 23 00-0217	MLF			18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	6,386.55 292.61	585.22
27 15 23 00-0218	MLF			24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	8,008.45 292.61	585.22
27 15 23 00-0219	MLF			36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	11,225.81 292.61	585.22
27 15 23 00-0220	MLF			48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	13,733.44 292.61	585.22
<b>27 15 23 00-0221</b>				<b>50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0210)</small>		
27 15 23 00-0222	MLF			2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,594.30 260.10	520.20
27 15 23 00-0223	MLF			4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,138.91 260.10	520.20
27 15 23 00-0224	MLF			6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	4,036.86 260.10	520.20
27 15 23 00-0225	MLF			8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	5,371.45 260.10	520.20
27 15 23 00-0226	MLF			12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	4,762.92 260.10	520.20
27 15 23 00-0227	MLF			18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	7,873.18 292.61	585.22
27 15 23 00-0228	MLF			24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	7,828.08 292.61	585.22
27 15 23 00-0229	MLF			36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	11,240.76 292.61	585.22
27 15 23 00-0230	MLF			48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	17,111.71 292.61	585.22
<b>27 15 23 00-0231</b>				<b>62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0210)</small>		
27 15 23 00-0232	MLF			2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,680.66 260.10	520.20
27 15 23 00-0233	MLF			4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,252.51 260.10	520.20
27 15 23 00-0234	MLF			6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	4,195.35 260.10	520.20
27 15 23 00-0235	MLF			8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	5,596.68 260.10	520.20
27 15 23 00-0236	MLF			12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	4,957.71 260.10	520.20
27 15 23 00-0237	MLF			18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	8,218.07 292.61	585.22
27 15 23 00-0238	MLF			24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	8,170.71 292.61	585.22
27 15 23 00-0239	MLF			36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	11,754.03 292.61	585.22
27 15 23 00-0240	MLF			48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	17,918.53 292.61	585.22
27 15 23 00-0241				<b>Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0159)</small>		
27 15 23 00-0242				<b>Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0241)</small>		
27 15 23 00-0243				<b>Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0242)</small>		
27 15 23 00-0244	MLF			1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,235.39 260.10	520.20
27 15 23 00-0245	MLF			2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,240.95 260.10	520.20
27 15 23 00-0246	MLF			4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,532.80 260.10	520.20
27 15 23 00-0247	MLF			6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable, Add</i> <i>For Steel Armored Cable, Add</i>	1,566.95 1,059.41 5,287.11	520.20
27 15 23 00-0248	MLF			8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,738.86 260.10	520.20

## 27 Communications

## 27 10 Structured Cabling

## 27 15 Communications Horizontal Cabling

 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

27 15 23 00-0249	MLF 12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,771.03	520.20
	<i>For Aluminum Armored Cable, Add</i>	1,100.38	
	<i>For Steel Armored Cable, Add</i>	5,651.38	
	<i>For Work In Restricted Working Space, Add</i>	260.10	
27 15 23 00-0250	MLF 18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,922.57	585.22
	<i>For Work In Restricted Working Space, Add</i>	292.61	
27 15 23 00-0251	MLF 24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,027.77	585.22
	<i>For Aluminum Armored Cable With Sub-Units, Add</i>	-77.00	
	<i>For Steel Armored Cable, Add</i>	5,452.20	
	<i>For Work In Restricted Working Space, Add</i>	292.61	
27 15 23 00-0252	MLF 36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	7,953.11	585.22
	<i>For Work In Restricted Working Space, Add</i>	292.61	
27 15 23 00-0253	MLF 48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	8,159.17	585.22
	<i>For Aluminum Armored Cable With Sub-Units, Add</i>	-340.17	
	<i>For Steel Armored Cable, Add</i>	6,490.98	
	<i>For Work In Restricted Working Space, Add</i>	292.61	
27 15 23 00-0254	MLF 60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	9,836.13	585.22
	<i>For Work In Restricted Working Space, Add</i>	292.61	
27 15 23 00-0255	MLF 72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	11,626.59	585.22
	<i>For Work In Restricted Working Space, Add</i>	292.61	
27 15 23 00-0256	MLF 96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	15,347.52	585.22
	<i>For Work In Restricted Working Space, Add</i>	292.61	
<b>27 15 23 00-0257 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0242)</small>			
27 15 23 00-0258	MLF 1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,205.48	520.20
	<i>For Work In Restricted Working Space, Add</i>	260.10	
27 15 23 00-0259	MLF 2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,605.87	520.20
	<i>For Work In Restricted Working Space, Add</i>	260.10	
27 15 23 00-0260	MLF 4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,058.51	520.20
	<i>For Work In Restricted Working Space, Add</i>	260.10	
27 15 23 00-0261	MLF 6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,520.23	520.20
	<i>For Aluminum Armored Cable, Add</i>	277.52	
	<i>For Steel Armored Cable, Add</i>	637.86	
	<i>For Work In Restricted Working Space, Add</i>	260.10	
27 15 23 00-0262	MLF 8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,962.64	520.20
	<i>For Work In Restricted Working Space, Add</i>	260.10	
27 15 23 00-0263	MLF 12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,347.03	520.20
	<i>For Aluminum Armored Cable, Add</i>	221.56	
	<i>For Steel Armored Cable, Add</i>	630.58	
	<i>For Work In Restricted Working Space, Add</i>	260.10	
27 15 23 00-0264	MLF 18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,211.99	585.22
	<i>For Work In Restricted Working Space, Add</i>	292.61	
27 15 23 00-0265	MLF 24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	7,495.17	585.22
	<i>For Aluminum Armored Cable With Sub-Units, Add</i>	-699.08	
	<i>For Steel Armored Cable, Add</i>	-699.08	
	<i>For Work In Restricted Working Space, Add</i>	292.61	
27 15 23 00-0266	MLF 36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	10,755.07	585.22
	<i>For Work In Restricted Working Space, Add</i>	292.61	
27 15 23 00-0267	MLF 48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	14,014.97	585.22
	<i>For Aluminum Armored Cable With Sub-Units, Add</i>	-3,129.64	
	<i>For Work In Restricted Working Space, Add</i>	292.61	
27 15 23 00-0268	MLF 60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	17,274.87	585.22
	<i>For Work In Restricted Working Space, Add</i>	292.61	
27 15 23 00-0269	MLF 72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	20,534.77	585.22
	<i>For Work In Restricted Working Space, Add</i>	292.61	
	<i>For Work In Restricted Working Space, Add</i>	292.61	
27 15 23 00-0270	MLF 96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	27,077.85	585.22
	<i>For Work In Restricted Working Space, Add</i>	292.61	
	<i>For Aluminum Armored Cable With Sub-Units, Add</i>	-6,270.28	
	<i>For Work In Restricted Working Space, Add</i>	292.61	
<b>27 15 23 00-0271 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0242)</small>			
27 15 23 00-0272	MLF 1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,222.40	520.20
	<i>For Work In Restricted Working Space, Add</i>	260.10	
27 15 23 00-0273	MLF 2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,642.81	520.20
	<i>For Work In Restricted Working Space, Add</i>	260.10	
27 15 23 00-0274	MLF 4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,118.08	520.20
	<i>For Work In Restricted Working Space, Add</i>	260.10	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 15 23 00-0275	MLF	6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,602.89 260.10	520.20
27 15 23 00-0276	MLF	8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,067.42 260.10	520.20
27 15 23 00-0277	MLF	12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,471.03 260.10	520.20
27 15 23 00-0278	MLF	18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	4,373.82 292.61	585.22
27 15 23 00-0279	MLF	24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	7,821.16 292.61	585.22
27 15 23 00-0280	MLF	36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	11,244.05 292.61	585.22
27 15 23 00-0281	MLF	48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	14,666.95 292.61	585.22
27 15 23 00-0282	MLF	60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	18,089.85 292.61	585.22
27 15 23 00-0283	MLF	72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	21,512.74 292.61	585.22
27 15 23 00-0284	MLF	96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	28,382.98 292.61	585.22
27 15 23 00-0285		<b>Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0241)</small>		
27 15 23 00-0286		<b>Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0285)</small>		
27 15 23 00-0287	MLF	2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,131.16 260.10	520.20
27 15 23 00-0288	MLF	4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,559.38 260.10	520.20
27 15 23 00-0289	MLF	6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	4,588.82 260.10	520.20
27 15 23 00-0290	MLF	8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	5,597.71 260.10	520.20
27 15 23 00-0291	MLF	12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	7,207.88 260.10	520.20
27 15 23 00-0292	MLF	18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	10,196.36 292.61	585.22
27 15 23 00-0293	MLF	24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	14,630.34 292.61	585.22
27 15 23 00-0294	MLF	36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	17,663.52 292.61	585.22
27 15 23 00-0295	MLF	48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	21,998.34 292.61	585.22
27 15 23 00-0296		<b>50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0285)</small>		
27 15 23 00-0297	MLF	2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	5,043.60 260.10	520.20
27 15 23 00-0298	MLF	4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	6,263.29 260.10	520.20
27 15 23 00-0299	MLF	6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	8,440.39 260.10	520.20
27 15 23 00-0300	MLF	8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	9,549.97 260.10	520.20
27 15 23 00-0301	MLF	12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	6,353.98 260.10	520.20
27 15 23 00-0302	MLF	18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	15,365.50 292.61	585.22
27 15 23 00-0303	MLF	24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	9,968.52 292.61	585.22
27 15 23 00-0304	MLF	36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	19,876.48 292.61	585.22
27 15 23 00-0305	MLF	48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	31,711.57 292.61	585.22
27 15 23 00-0306		<b>62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0285)</small>		

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0307	MLF		2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,252.43	520.20
			<i>For Work In Restricted Working Space, Add</i>	260.10	
27 15 23 00-0308	MLF		4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,533.10	520.20
			<i>For Work In Restricted Working Space, Add</i>	260.10	
27 15 23 00-0309	MLF		6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	8,819.06	520.20
			<i>For Work In Restricted Working Space, Add</i>	260.10	
27 15 23 00-0310	MLF		8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	9,984.12	520.20
			<i>For Work In Restricted Working Space, Add</i>	260.10	
27 15 23 00-0311	MLF		12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,628.33	520.20
			<i>For Work In Restricted Working Space, Add</i>	260.10	
27 15 23 00-0312	MLF		18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	16,085.01	585.22
			<i>For Work In Restricted Working Space, Add</i>	292.61	
27 15 23 00-0313	MLF		24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	10,418.17	585.22
			<i>For Work In Restricted Working Space, Add</i>	292.61	
27 15 23 00-0314	MLF		36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	20,821.54	585.22
			<i>For Work In Restricted Working Space, Add</i>	292.61	
27 15 23 00-0315	MLF		48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	33,248.38	585.22
			<i>For Work In Restricted Working Space, Add</i>	292.61	
27 15 23 00-0316			<b>Hybrid, Indoor Fiber Optic Cable, Installed In Conduit</b> (27 15 23 00-0001) Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.		
27 15 23 00-0317			<b>Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit</b> (27 15 23 00-0316)		
27 15 23 00-0318	MLF		6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	1,417.21	390.14
27 15 23 00-0319	MLF		12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	2,454.49	390.14
27 15 23 00-0320	MLF		24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	5,756.78	455.18
27 15 23 00-0321	MLF		48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	9,127.70	455.18
27 15 23 00-0322			<b>Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit</b> (27 15 23 00-0316)		
27 15 23 00-0323	MLF		6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	1,704.17	390.14
27 15 23 00-0324	MLF		12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	2,494.87	390.14
27 15 23 00-0325	MLF		24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	6,849.89	455.18
27 15 23 00-0326	MLF		48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	11,882.20	455.18
27 15 23 00-0327			<b>Hybrid, Indoor Fiber Optic Cable, Installed Exposed</b> (27 15 23 00-0001) Note: Singlemode and multimode combination cable. For non-conduit installations such as cable trays, surface runways, etc.		
27 15 23 00-0328			<b>Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed</b> (27 15 23 00-0327)		
27 15 23 00-0329	MLF		6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	1,633.95	520.20
			<i>For Work In Restricted Working Space, Add</i>	260.10	
27 15 23 00-0330	MLF		12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	2,671.23	520.20
			<i>For Work In Restricted Working Space, Add</i>	260.10	
27 15 23 00-0331	MLF		24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	5,973.53	585.22
			<i>For Work In Restricted Working Space, Add</i>	292.61	
27 15 23 00-0332	MLF		48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	9,344.45	585.22
			<i>For Work In Restricted Working Space, Add</i>	292.61	
27 15 23 00-0333			<b>Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed</b> (27 15 23 00-0327)		
27 15 23 00-0334	MLF		6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	1,920.91	520.20
			<i>For Work In Restricted Working Space, Add</i>	260.10	
27 15 23 00-0335	MLF		12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	2,711.61	520.20
			<i>For Work In Restricted Working Space, Add</i>	260.10	
27 15 23 00-0336	MLF		24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	7,066.64	585.22
			<i>For Work In Restricted Working Space, Add</i>	292.61	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 15 23 00-0337	MLF		48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	12,098.95 292.61	585.22
<b>27 15 23 00-0338</b>			<b>Outdoor Fiber Optic Cable</b> <small>(27 15 23)</small> Note: Cable buried in trench excludes excavation.		
<b>27 15 23 00-0339</b>			<b>Outdoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0338)</small> Note: Excludes conduit or innerduct.		
<b>27 15 23 00-0340</b>			<b>Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0339)</small>		
<b>27 15 23 00-0341</b>			<b>Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0340)</small>		
27 15 23 00-0342	MLF		2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,862.50 274.52	780.29
27 15 23 00-0343	MLF		4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,896.67 276.79	780.29
27 15 23 00-0344	MLF		6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,930.90 278.99	780.29
27 15 23 00-0345	MLF		8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,965.10 281.67	780.29
27 15 23 00-0346	MLF		12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,033.05 254.87	780.29
27 15 23 00-0347	MLF		18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,172.06 283.96	780.29
27 15 23 00-0348	MLF		24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,243.52 223.55	780.29
27 15 23 00-0349	MLF		36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,265.56 261.29	780.29
27 15 23 00-0350	MLF		48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,674.51 287.46	780.29
27 15 23 00-0351	MLF		60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,899.97 287.44	780.29
27 15 23 00-0352	MLF		72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,192.49 339.73	780.29
27 15 23 00-0353	MLF		96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,707.47 326.17	780.29
27 15 23 00-0354	MLF		120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,270.15 396.07	780.29
27 15 23 00-0355	MLF		144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,859.05 265.13	780.29
<b>27 15 23 00-0356</b>			<b>50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0340)</small>		
27 15 23 00-0357	MLF		2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,262.05 43.24	780.29
27 15 23 00-0358	MLF		4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,316.62 78.84	780.29
27 15 23 00-0359	MLF		6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,430.97 131.96	780.29
27 15 23 00-0360	MLF		8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,586.90 14.68	780.29
27 15 23 00-0361	MLF		12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,651.87 39.88	780.29
27 15 23 00-0362	MLF		18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,872.76 63.74	780.29
27 15 23 00-0363	MLF		24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,340.55 33.94	780.29
27 15 23 00-0364	MLF		36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,029.23 131.06	780.29
27 15 23 00-0365	MLF		48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,795.88 21.40	780.29
27 15 23 00-0366	MLF		60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,328.63 119.86	780.29
27 15 23 00-0367	MLF		72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,017.31 564.80	780.29
27 15 23 00-0368	MLF		96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,615.57 151.68	780.29
27 15 23 00-0369	MLF		120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,200.84 176.66	780.29
27 15 23 00-0370	MLF		144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,786.11 214.53	780.29
<b>27 15 23 00-0371</b>			<b>62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0340)</small>		
27 15 23 00-0372	MLF		2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,625.36 117.40	780.29
27 15 23 00-0373	MLF		4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,738.22 125.89	780.29
27 15 23 00-0374	MLF		6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,850.92 134.18	780.29
27 15 23 00-0375	MLF		8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,990.13 152.76	780.29

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

27 15 23 00-0376	MLF 12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	2,189.51	780.29
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	159.30	
27 15 23 00-0377	MLF 18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	2,542.01	780.29
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	169.77	
27 15 23 00-0378	MLF 24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	2,875.92	780.29
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	195.24	
27 15 23 00-0379	MLF 36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	3,514.97	780.29
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	216.96	
27 15 23 00-0380	MLF 48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	4,262.44	780.29
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	249.46	
27 15 23 00-0381	MLF 60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	4,952.82	780.29
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	268.43	
27 15 23 00-0382	MLF 72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	5,681.49	780.29
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	303.82	
27 15 23 00-0383	MLF 96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	7,155.24	780.29
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	341.60	
27 15 23 00-0384	MLF 120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	8,652.65	780.29
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	387.68	
27 15 23 00-0385	MLF 144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	10,173.17	780.29
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	356.11	
27 15 23 00-0386	<b>Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit</b>		
	<i>(27 15 23 00-0386)</i>		
27 15 23 00-0387	<b>Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit</b>		
	<i>(27 15 23 00-0386)</i>		
27 15 23 00-0388	MLF 2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	2,058.22	780.29
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	216.94	
27 15 23 00-0389	MLF 4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	2,124.86	780.29
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	311.37	
27 15 23 00-0390	MLF 6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	2,144.86	780.29
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	298.40	
27 15 23 00-0391	MLF 8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	2,224.70	780.29
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	248.41	
27 15 23 00-0392	MLF 12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	2,249.61	780.29
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	296.89	
27 15 23 00-0393	MLF 18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	2,361.49	780.29
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	281.58	
27 15 23 00-0394	MLF 24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	2,461.81	780.29
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	284.92	
27 15 23 00-0395	MLF 36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	2,621.84	780.29
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	361.31	
27 15 23 00-0396	MLF 48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	2,847.30	780.29
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	366.03	
27 15 23 00-0397	MLF 60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	3,071.89	780.29
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	379.21	
27 15 23 00-0398	MLF 72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	3,376.37	780.29
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	326.18	
27 15 23 00-0399	MLF 96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	3,868.89	780.29
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	425.39	
27 15 23 00-0400	MLF 120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	4,513.23	780.29
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	418.87	
27 15 23 00-0401	MLF 144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	5,040.51	780.29
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	334.59	
27 15 23 00-0402	<b>50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit</b>		
	<i>(27 15 23 00-0386)</i>		
27 15 23 00-0403	MLF 2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	2,282.89	780.29
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	307.00	
27 15 23 00-0404	MLF 4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	2,516.21	780.29
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	171.92	
27 15 23 00-0405	MLF 6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	2,823.21	780.29
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	36.84	
27 15 23 00-0406	MLF 8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	2,970.57	780.29
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	61.40	
27 15 23 00-0407	MLF 12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	3,117.93	780.29
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	61.40	
27 15 23 00-0408	MLF 18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	3,461.77	780.29
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	73.68	
27 15 23 00-0409	MLF 24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	3,768.77	780.29
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	282.44	
27 15 23 00-0410	MLF 36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	4,431.89	780.29
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	552.60	
27 15 23 00-0411	MLF 48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	5,095.01	780.29
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	921.00	
27 15 23 00-0412	MLF 60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	5,647.61	780.29
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,013.10	
27 15 23 00-0413	MLF 72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	6,372.13	780.29
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,289.40	
27 15 23 00-0414	MLF 96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	7,882.57	780.29
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,903.40	
27 15 23 00-0415	MLF 120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	8,643.93	780.29
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,436.76	
27 15 23 00-0416	MLF 144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	10,596.45	780.29
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,499.80	



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 15 23 00-0417	62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0386)</small>		
27 15 23 00-0418	MLF 2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,701.57 147.36	780.29
27 15 23 00-0419	MLF 4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,812.09 159.29	780.29
27 15 23 00-0420	MLF 6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,922.43 171.22	780.29
27 15 23 00-0421	MLF 8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,032.95 183.13	780.29
27 15 23 00-0422	MLF 12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,319.24 196.97	780.29
27 15 23 00-0423	MLF 18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,599.97 230.82	780.29
27 15 23 00-0424	MLF 24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,943.97 250.71	780.29
27 15 23 00-0425	MLF 36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,609.81 309.76	780.29
27 15 23 00-0426	MLF 48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,288.09 354.90	780.29
27 15 23 00-0427	MLF 60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,968.71 395.21	780.29
27 15 23 00-0428	MLF 72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,684.37 440.71	780.29
27 15 23 00-0429	MLF 96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,136.64 519.66	780.29
27 15 23 00-0430	MLF 120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,011.10 537.20	780.29
27 15 23 00-0431	MLF 144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,109.61 554.56	780.29
27 15 23 00-0432	Outdoor Fiber Optic Cable, Buried In Trench <small>(27 15 23 00-0338)</small> Note: Excludes trenching.		
27 15 23 00-0433	Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <small>(27 15 23 00-0432)</small>		
27 15 23 00-0434	Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <small>(27 15 23 00-0433)</small>		
27 15 23 00-0435	MLF 2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,754.13 274.52	
27 15 23 00-0436	MLF 4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,788.30 276.79	
27 15 23 00-0437	MLF 6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,822.53 278.99	
27 15 23 00-0438	MLF 8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,856.73 281.67	
27 15 23 00-0439	MLF 12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,924.68 254.87	
27 15 23 00-0440	MLF 18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,063.69 283.96	
27 15 23 00-0441	MLF 24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,135.15 223.55	
27 15 23 00-0442	MLF 36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,157.19 261.29	
27 15 23 00-0443	MLF 48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,566.14 287.46	
27 15 23 00-0444	MLF 60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,079.04 287.44	
27 15 23 00-0445	MLF 72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,423.85 339.73	
27 15 23 00-0446	MLF 96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,599.10 326.17	
27 15 23 00-0447	MLF 120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,161.78 396.07	
27 15 23 00-0448	MLF 144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,750.68 265.13	
27 15 23 00-0449	50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <small>(27 15 23 00-0433)</small>		
27 15 23 00-0450	MLF 2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,153.68 43.24	
27 15 23 00-0451	MLF 4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,208.25 78.84	
27 15 23 00-0452	MLF 6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,322.60 131.96	
27 15 23 00-0453	MLF 8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,478.53 14.68	
27 15 23 00-0454	MLF 12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,543.50 39.88	
27 15 23 00-0455	MLF 18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,764.39 63.74	
27 15 23 00-0456	MLF 24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,232.18 33.94	
27 15 23 00-0457	MLF 36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,920.86 131.06	

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

27 15 23 00-0458	MLF 48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,687.51	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	21.40	
27 15 23 00-0459	MLF 60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,220.26	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	119.86	
27 15 23 00-0460	MLF 72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,908.94	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	564.80	
27 15 23 00-0461	MLF 96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	7,507.20	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	151.68	
27 15 23 00-0462	MLF 120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	9,092.47	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	176.66	
27 15 23 00-0463	MLF 144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	10,677.74	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	214.53	
<b>27 15 23 00-0464</b>	<b>62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench</b> <small>(27 15 23 00-0433)</small>		
27 15 23 00-0465	MLF 2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,516.99	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	117.40	
27 15 23 00-0466	MLF 4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,629.85	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	125.89	
27 15 23 00-0467	MLF 6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,742.55	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	134.18	
27 15 23 00-0468	MLF 8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,881.76	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	152.76	
27 15 23 00-0469	MLF 12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,081.14	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	159.30	
27 15 23 00-0470	MLF 18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,433.64	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	169.77	
27 15 23 00-0471	MLF 24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,767.55	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	195.24	
27 15 23 00-0472	MLF 36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,406.60	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	216.96	
27 15 23 00-0473	MLF 48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,154.07	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	249.46	
27 15 23 00-0474	MLF 60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,844.45	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	268.43	
27 15 23 00-0475	MLF 72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,573.12	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	303.82	
27 15 23 00-0476	MLF 96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	7,046.87	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	341.60	
27 15 23 00-0477	MLF 120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	8,544.28	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	387.68	
27 15 23 00-0478	MLF 144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	10,064.80	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	356.11	
<b>27 15 23 00-0479</b>	<b>Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench</b> <small>(27 15 23 00-0432)</small>		
<b>27 15 23 00-0480</b>	<b>Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench</b> <small>(27 15 23 00-0479)</small>		
27 15 23 00-0481	MLF 2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,949.85	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	216.94	
27 15 23 00-0482	MLF 4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,016.49	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	311.37	
27 15 23 00-0483	MLF 6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,036.49	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	298.40	
27 15 23 00-0484	MLF 8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,116.33	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	248.41	
27 15 23 00-0485	MLF 12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,141.24	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	296.89	
27 15 23 00-0486	MLF 18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,253.12	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	281.58	
27 15 23 00-0487	MLF 24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,353.44	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	284.92	
27 15 23 00-0488	MLF 36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,513.47	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	361.31	
27 15 23 00-0489	MLF 48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,738.93	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	366.03	
27 15 23 00-0490	MLF 60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,963.52	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	379.21	
27 15 23 00-0491	MLF 72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,268.00	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	326.18	
27 15 23 00-0492	MLF 96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,760.52	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	425.39	
27 15 23 00-0493	MLF 120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,404.86	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	418.87	
27 15 23 00-0494	MLF 144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,932.14	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	334.59	
<b>27 15 23 00-0495</b>	<b>50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench</b> <small>(27 15 23 00-0479)</small>		
27 15 23 00-0496	MLF 2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,174.52	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	307.00	
27 15 23 00-0497	MLF 4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,407.84	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	171.92	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 15 23 00-0498	MLF			6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,714.84 36.84	
27 15 23 00-0499	MLF			8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,862.20 61.40	
27 15 23 00-0500	MLF			12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,009.56 61.40	
27 15 23 00-0501	MLF			18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,353.40 73.68	
27 15 23 00-0502	MLF			24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,660.40 282.44	
27 15 23 00-0503	MLF			36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,323.52 552.60	
27 15 23 00-0504	MLF			48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,986.64 921.00	
27 15 23 00-0505	MLF			60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,539.24 1,013.10	
27 15 23 00-0506	MLF			72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,263.76 1,289.40	
27 15 23 00-0507	MLF			96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,774.20 1,903.40	
27 15 23 00-0508	MLF			120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,535.56 1,436.76	
27 15 23 00-0509	MLF			144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,488.08 3,499.80	

**27 15 23 00-0510      62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench** (27 15 23 00-0479)

27 15 23 00-0511	MLF			2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,593.20 147.36	
27 15 23 00-0512	MLF			4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,703.72 159.29	
27 15 23 00-0513	MLF			6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,814.06 171.22	
27 15 23 00-0514	MLF			8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,924.58 183.13	
27 15 23 00-0515	MLF			12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,210.87 196.97	
27 15 23 00-0516	MLF			18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,491.60 230.82	
27 15 23 00-0517	MLF			24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,835.60 250.71	
27 15 23 00-0518	MLF			36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,501.44 309.76	
27 15 23 00-0519	MLF			48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,179.72 354.90	
27 15 23 00-0520	MLF			60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,860.34 395.21	
27 15 23 00-0521	MLF			72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,576.00 440.71	
27 15 23 00-0522	MLF			96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,028.27 519.66	
27 15 23 00-0523	MLF			120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,575.52 537.20	
27 15 23 00-0524	MLF			144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,001.24 554.56	

**27 15 23 00-0525      (Aerial) Outdoor Fiber Optic Cable, Installed On Poles** (27 15 23 00-0338)

**27 15 23 00-0526      Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles** (27 15 23 00-0525)

**27 15 23 00-0527      Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles** (27 15 23 00-0526)

27 15 23 00-0528	MLF			2-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,740.82 183.61	2,968.47
27 15 23 00-0529	MLF			4-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,774.77 188.36	2,968.47
27 15 23 00-0530	MLF			6-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,809.18 192.99	2,968.47
27 15 23 00-0531	MLF			8-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,843.14 189.30	2,968.47
27 15 23 00-0532	MLF			12-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,911.09 220.68	2,968.47
27 15 23 00-0533	MLF			18-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,045.26 229.43	2,968.47
27 15 23 00-0534	MLF			24-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,147.59 253.58	2,968.47
27 15 23 00-0535	MLF			36-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,390.88 243.14	2,968.47
27 15 23 00-0536	MLF			48-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,603.65 282.48	2,968.47
27 15 23 00-0537	MLF			60-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,779.53 270.87	2,968.47
27 15 23 00-0538	MLF			72-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,998.94 309.69	2,968.47

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0539	MLF		96-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,574.78 314.54	2,968.47
27 15 23 00-0540	MLF		120-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	11,192.60 375.33	2,968.47
27 15 23 00-0541	MLF		144-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	11,340.71 403.02	2,968.47
27 15 23 00-0542			<b>Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit</b> (27 15 23 00-0338) Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.		
27 15 23 00-0543			<b>Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit</b> (27 15 23 00-0542)		
27 15 23 00-0544	MLF		12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	3,672.67	650.25
27 15 23 00-0545	MLF		24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit .....	4,666.87	650.25
27 15 23 00-0546	MLF		48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit .....	6,881.60	650.25
27 15 23 00-0547			<b>Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit</b> (27 15 23 00-0542)		
27 15 23 00-0548	MLF		12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit .....	4,940.72	650.25
27 15 23 00-0549	MLF		24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit .....	5,505.71	650.25
27 15 23 00-0550	MLF		48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit .....	7,977.14	650.25
27 15 23 00-0551			<b>Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench</b> (27 15 23 00-0338) Note: Singlemode and multimode combination cable. Excludes trenching.		
27 15 23 00-0552			<b>Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench</b> (27 15 23 00-0551)		
27 15 23 00-0553	MLF		12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	3,564.30	596.05
27 15 23 00-0554	MLF		24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	4,558.50	596.05
27 15 23 00-0555	MLF		48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	6,773.23	596.05
27 15 23 00-0556			<b>Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench</b> (27 15 23 00-0551)		
27 15 23 00-0557	MLF		12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	4,832.35	596.05
27 15 23 00-0558	MLF		24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench .....	5,397.34	596.05
27 15 23 00-0559	MLF		48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench .....	7,868.77	596.05
27 15 33			<b>Communications Coaxial Horizontal Cabling</b> (27 15)		
			Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.		
27 15 33 00-0001			<b>Indoor Coaxial Cable</b> (27 15 33)		
27 15 33 00-0002			<b>Coaxial Distribution Cable</b> (27 15 33 00-0001) Note: Cables shall be as Belden, Times Fiber, West Penn or approved equal. For tasks installed in conduit, tasks exclude conduit.		
27 15 33 00-0003	MLF		RG-6/U Coaxial Distribution Cable, Installed In Conduit.....	1,867.23	316.82
27 15 33 00-0004	MLF		RG-6A/U Coaxial Distribution Cable, Installed In Conduit.....	6,338.24	316.82
27 15 33 00-0005	MLF		RG-8/U Coaxial Distribution Cable, Installed In Conduit.....	3,451.20	334.64
27 15 33 00-0006	MLF		RG-8A/U Coaxial Distribution Cable, Installed In Conduit.....	4,291.05	334.64
27 15 33 00-0007	MLF		RG-11/U Coaxial Distribution Cable, Installed In Conduit.....	3,882.04	396.01
27 15 33 00-0008	MLF		RG-11A/U Coaxial Distribution Cable, Installed In Conduit.....	5,506.23	396.01
27 15 33 00-0009	MLF		RG-11/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed.....	11,709.04	554.42
27 15 33 00-0010	MLF		RG-58/U Coaxial Distribution Cable, Installed In Conduit.....	1,406.11	277.22
27 15 33 00-0011	MLF		RG-58A/U Coaxial Distribution Cable, Installed In Conduit.....	1,572.53	277.22
27 15 33 00-0012	MLF		RG-58C/U Coaxial Distribution Cable, Installed In Conduit.....	1,865.69	277.22
27 15 33 00-0013	MLF		RG-58/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed.....	4,473.61	554.42
27 15 33 00-0014	MLF		RG-59/U Coaxial Distribution Cable, Installed In Conduit.....	2,183.61	277.22
27 15 33 00-0015	MLF		RG-59/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed.....	5,345.88	554.42
27 15 33 00-0016	MLF		1/2" Hard Line Coaxial, Installed In Conduit.....	1,937.77	396.01
27 15 33 00-0017			<b>Coaxial, Indoor Telecommunications Cable</b> (27 15 33 00-0001)		
27 15 33 00-0018			<b>Coaxial, Indoor Telecommunications Cable, Installed In Conduit</b> (27 15 33 00-0017)		
27 15 33 00-0019	MLF		RG 59/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9108).....	1,224.60	455.18
27 15 33 00-0020	MLF		RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82108).....	2,553.72	455.18
27 15 33 00-0021	MLF		RG 6/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9114).....	1,091.38	520.20
27 15 33 00-0022	MLF		RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82120).....	3,185.67	520.20
27 15 33 00-0023			<b>Coaxial, Indoor Telecommunications Cable, Installed Exposed</b> (27 15 33 00-0017)		
27 15 33 00-0024	MLF		RG 59/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9108)..... <i>For Work In Restricted Working Space, Add</i>	1,983.22 455.17	910.34
27 15 33 00-0025	MLF		RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82108)..... <i>For Work In Restricted Working Space, Add</i>	3,312.34 455.17	910.34

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 33 00-0026	MLF	RG 6/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9114)	For Work In Restricted Working Space, Add	1,958.38 520.20	1,040.39
27 15 33 00-0027	MLF	RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82120)	For Work In Restricted Working Space, Add	4,052.67 520.20	1,040.39
<b>27 15 33 00-0028</b>		<b>Outdoor Coaxial Cable</b> (27 15 33)			
<b>27 15 33 00-0029</b>		<b>Coaxial Cables "Television" Copper Covered Aluminum Center Core</b> (27 15 33 00-0028)	Note: Corrugated steel armor jacket.		
27 15 33 00-0030	MLF	TV Coaxial Trunk Cable 3/4" Diameter, Direct Burial		5,556.25	1,482.30
27 15 33 00-0031	MLF	TV Coaxial Distribution Cable 1/2" Diameter, Direct Burial		3,555.82	1,042.62
27 15 33 00-0032	MLF	TV Coaxial Distribution Cable 3/8" Diameter, Direct Burial		2,874.71	615.12
27 15 33 00-0033	MLF	TV Coaxial Cable Drop 1/4" Diameter, Direct Burial		1,708.95	615.12
27 15 33 00-0034	MLF	1/4" Diameter, TV Coaxial Cable Drop, Installed In Conduit		2,574.01	961.14
<b>27 15 43</b>		<b>Communications Faceplates and Connectors</b> (27 15)			
<b>27 15 43 00-0001</b>		<b>Plastic Communications Faceplates</b> (27 15 43)	Note: Excludes modular jacks. See CSI section 27 15 43 00-0035 for modular jacks.		
27 15 43 00-0002	EA	One Port, Single Gang, Plastic Communication Faceplate With Station ID		9.00	2.71
27 15 43 00-0003	EA	Two Port, Single Gang, Plastic Communication Faceplate With Station ID		9.00	2.71
27 15 43 00-0004	EA	Three Port, Single Gang, Plastic Communication Faceplate With Station ID		9.00	2.71
27 15 43 00-0005	EA	Four Port, Single Gang, Plastic Communication Faceplate With Station ID		9.00	2.71
27 15 43 00-0006	EA	Six Port, Single Gang, Plastic Communication Faceplate With Station ID		9.00	2.71
27 15 43 00-0007	EA	Four Port, Double Gang, Plastic Communications Faceplate With Station ID		14.29	2.71
27 15 43 00-0008	EA	Six Port, Double Gang, Plastic Communication Faceplate With Station ID		14.29	2.71
27 15 43 00-0009	EA	Eight Port, Double Gang, Plastic Communication Faceplate With Station ID		14.29	2.71
27 15 43 00-0010	EA	Nine Port, Double Gang, Plastic Communication Faceplate With Station ID		14.29	2.71
27 15 43 00-0011	EA	Twelve Port, Double Gang, Plastic Communication Faceplate With Station ID		14.29	2.71
<b>27 15 43 00-0012</b>		<b>Stainless Steel Communications Faceplates</b> (27 15 43)	Note: Excludes modular jacks. See CSI section 27 15 43 00-0035 for modular jacks.		
<b>27 15 43 00-0013</b>		<b>Stainless Steel Communications Faceplates</b> (27 15 43 00-0012)			
27 15 43 00-0014	EA	One Port, Single Gang, Stainless Steel Communications Faceplate		17.64	2.71
27 15 43 00-0015	EA	Two Port, Single Gang, Stainless Steel Communications Faceplate		17.64	2.71
27 15 43 00-0016	EA	Three Port, Single Gang, Stainless Steel Communications Faceplate		17.64	2.71
27 15 43 00-0017	EA	Four Port, Single Gang, Stainless Steel Communications Faceplate		18.91	2.71
27 15 43 00-0018	EA	Six Port, Single Gang, Stainless Steel Communications Faceplate		18.91	2.71
27 15 43 00-0019	EA	Four Port, Double Gang, Stainless Steel Communications Faceplate		25.72	2.71
27 15 43 00-0020	EA	Six Port, Double Gang, Stainless Steel Communications Faceplate		26.52	2.71
27 15 43 00-0021	EA	Eight Port, Double Gang, Stainless Steel Communications Faceplate		30.80	2.71
27 15 43 00-0022	EA	Nine Port, Double Gang, Stainless Steel Communication Faceplate		30.80	2.71
27 15 43 00-0023	EA	Twelve Port, Double Gang, Stainless Steel Communications Faceplate		30.80	2.71
<b>27 15 43 00-0024</b>		<b>Stainless Steel Communications Faceplates With Station ID</b> (27 15 43 00-0012)			
27 15 43 00-0025	EA	One Port, Single Gang, Stainless Steel Communications Faceplate With Station ID		25.57	2.71
27 15 43 00-0026	EA	Two Port, Single Gang, Stainless Steel Communications Faceplate With Station ID		25.57	2.71
27 15 43 00-0027	EA	Three Port, Single Gang, Stainless Steel Communications Faceplate With Station ID		25.57	2.71
27 15 43 00-0028	EA	Four Port, Single Gang, Stainless Steel Communications Faceplate With Station ID		25.57	2.71
27 15 43 00-0029	EA	Six Port, Single Gang, Stainless Steel Communications Faceplate With Station ID		25.57	2.71
27 15 43 00-0030	EA	Four Port, Double Gang, Stainless Steel Communications Faceplate With Station ID		55.85	2.71
27 15 43 00-0031	EA	Six Port, Double Gang, Stainless Steel Communications Faceplate With Station ID		55.85	2.71
27 15 43 00-0032	EA	Eight Port, Double Gang, Stainless Steel Communications Faceplate With Station ID		55.85	2.71
27 15 43 00-0033	EA	Nine Port, Double Gang, Stainless Steel Communication Faceplate With Station ID		55.85	2.71
27 15 43 00-0034	EA	Twelve Port, Double Gang, Stainless Steel Communications Faceplate With Station ID		55.85	2.71
<b>27 15 43 00-0035</b>		<b>Snap-In Modular Jacks</b> (27 15 43)	Note: Includes termination.		
27 15 43 00-0036	EA	Cat 3, Snap-In Modular Jack		30.75	10.86
27 15 43 00-0037	EA	Category 5E, Snap-In Modular Jack		32.49	10.86
27 15 43 00-0038	EA	Category 5E Shielded, Snap-In Modular Jack		37.72	10.86
27 15 43 00-0039	EA	Cat 6, Snap-In Modular Jack		37.72	10.86
27 15 43 00-0040	EA	Cat 6 Shielded, Snap-In Modular Jack		43.59	10.86
27 15 43 00-0041	EA	Cat 6A, Snap-In Modular Jack		44.48	10.86
27 15 43 00-0042	EA	Voice, RJ-11, Snap-In Modular Jack		21.02	5.43
27 15 43 00-0043	EA	SC Type Fiber Optic, Snap-In Modular Jack		34.71	10.86
27 15 43 00-0044	EA	ST Type Fiber Optic, Snap-In Modular Jack		39.15	10.86
27 15 43 00-0045	EA	LC Type Fiber Optic, Snap-In Modular Jack		47.87	10.86
27 15 43 00-0046	EA	Blank Fill In, Snap-In Modular Jack		6.25	2.71
27 15 43 00-0047	EA	Open Cable Pass Through Insert, Snap-In Modular Jack		7.22	2.71
27 15 43 00-0048	EA	Coaxial F-Type Coupler, Snap-In Modular Jack		25.96	8.14
		Note: Includes female to female connection.			
		For Gold Bulkhead, Add		1.69	
27 15 43 00-0049	EA	RCA Jack Pass-Through Coupler, Snap-In Modular Jack		26.28	8.14
		Note: Includes female to female connection.			
27 15 43 00-0050	EA	RCA Solder Coupler, Snap-In Modular Jack		50.88	10.86
27 15 43 00-0051	EA	RCA Jack With 110 Punch Down, Snap-In Modular Jack		63.72	10.86
27 15 43 00-0052	EA	3.5 m Mini Stereo Jack, Snap-In Modular Jack		32.02	10.86
27 15 43 00-0053	EA	MT-RJ Pass-Through Coupler, Snap-In Modular Jack		35.40	5.43
27 15 43 00-0054	EA	BNC Connector, Snap-In Modular Jack		37.25	10.86

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 43 00-0055	EA		S-Video With 110 Punch Down, Snap-In Modular Jack.....	42.00	10.86
27 15 43 00-0056	PR		Speaker Connectors, Snap-In Modular Jack .....	54.16	16.29
			Note: Includes a pair of binding posts, banana jacks or spring clip connectors. Requires two open ports.		
27 15 43 00-0057	EA		USB Audio Video Connector, Snap-In Modular Jack.....	63.88	10.86
<b>27 15 43 00-0058</b>			<b>Surface Mount Plastic Communication Boxes (27 15 43)</b>		
			Note: Excludes modular jacks. See CSI section 27 15 43 00-0035 for modular jacks.		
27 15 43 00-0059	EA		One Port, Surface Mount Plastic Communication Box With Station ID.....	31.67	13.57
27 15 43 00-0060	EA		Two Port, Surface Mount Plastic Communication Box With Station ID.....	32.46	13.57
27 15 43 00-0061	EA		Four Port, Surface Mount Plastic Communication Box With Station ID.....	37.93	13.57
27 15 43 00-0062	EA		Six Port, Surface Mount Plastic Communication Box With Station ID.....	44.43	13.57
27 15 43 00-0063	EA		Twelve Port, Surface Mount Plastic Communication Box With Station ID.....	51.25	13.57
<b>27 15 43 00-0064</b>			<b>Wall Mounted Telephone Faceplates (27 15 43)</b>		
			Note: Includes standard telephone mounting studs.		
<b>27 15 43 00-0065</b>			<b>Plastic Faceplates For Wall Mounted Telephones (27 15 43 00-0064)</b>		
27 15 43 00-0066	EA		Single Gang, 6-Position RJ25 Jack, Flush, Plastic Faceplate For Wall Mounted Telephones.....	37.66	13.54
<b>27 15 43 00-0067</b>			<b>Stainless Steel Faceplates For Wall Mounted Telephones (27 15 43 00-0064)</b>		
27 15 43 00-0068	EA		Single Gang, Keystone Opening, Flush, Stainless Steel Faceplate For Wall Mounted Telephones.....	33.04	5.42
			Note: Requires one snap-in modular jack.		
27 15 43 00-0069	EA		Single Gang, 6-Position RJ25 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones.....	57.08	13.54
27 15 43 00-0070	EA		Single Gang, 8-Position RJ45 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones.....	66.38	16.26
27 15 43 00-0071	EA		Single Gang, Keystone Opening, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones.....	31.74	5.42
			Note: Requires one snap-in modular jack.		
27 15 43 00-0072	EA		Single Gang, 6-Position RJ25 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones.....	51.60	13.54
27 15 43 00-0073	EA		Single Gang, 8-Position RJ45 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones.....	61.05	16.26
<b>27 15 53</b>			<b>Communications Cable Innerduct (27 15)</b>		
			Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.		
<b>27 15 53 00-0001</b>			<b>Indoor Innerduct (27 15 53)</b>		
<b>27 15 53 00-0002</b>			<b>Indoor Innerduct, Installed In Conduit (27 15 53 00-0001)</b>		
<b>27 15 53 00-0003</b>			<b>Riser Rated, Indoor Innerduct, Installed In Conduit (27 15 53 00-0002)</b>		
27 15 53 00-0004	MLF		1" Riser Rated, Indoor Innerduct, Installed In Conduit.....	4,218.29	1,625.61
27 15 53 00-0005	MLF		1-1/4" Riser Rated, Indoor Innerduct, Installed In Conduit.....	5,466.64	2,167.48
27 15 53 00-0006	MLF		1-1/2" Riser Rated, Indoor Innerduct, Installed In Conduit.....	7,249.96	2,709.36
27 15 53 00-0007	MLF		2" Riser Rated, Indoor Innerduct, Installed In Conduit.....	8,477.73	3,251.23
<b>27 15 53 00-0008</b>			<b>Plenum Rated, Indoor Innerduct, Installed In Conduit (27 15 53 00-0002)</b>		
27 15 53 00-0009	MLF		3/4" Plenum Rated, Indoor Innerduct, Installed In Conduit.....	6,125.19	1,083.74
27 15 53 00-0010	MLF		1" Plenum Rated, Indoor Innerduct, Installed In Conduit.....	6,866.36	1,625.61
27 15 53 00-0011	MLF		1-1/4" Plenum Rated, Indoor Innerduct, Installed In Conduit.....	8,688.51	2,167.48
27 15 53 00-0012	MLF		1-1/2" Plenum Rated, Indoor Innerduct, Installed In Conduit.....	11,156.77	2,709.36
27 15 53 00-0013	MLF		2" Plenum Rated, Indoor Innerduct, Installed In Conduit.....	13,425.05	3,251.23
<b>27 15 53 00-0014</b>			<b>Indoor Innerduct, Installed Exposed (27 15 53 00-0001)</b>		
<b>27 15 53 00-0015</b>			<b>Riser Rated, Indoor Innerduct, Installed Exposed (27 15 53 00-0014)</b>		
27 15 53 00-0016	MLF		1" Riser Rated, Indoor Innerduct, Installed Exposed.....	5,302.03	2,167.48
			For Work In Restricted Working Space, Add	1,300.49	
27 15 53 00-0017	MLF		1-1/4" Riser Rated, Indoor Innerduct, Installed Exposed.....	6,550.38	2,709.36
			For Work In Restricted Working Space, Add	1,625.61	
27 15 53 00-0018	MLF		1-1/2" Riser Rated, Indoor Innerduct, Installed Exposed.....	8,333.70	3,251.23
			For Work In Restricted Working Space, Add	1,950.74	
27 15 53 00-0019	MLF		2" Riser Rated, Indoor Innerduct, Installed Exposed.....	9,561.46	3,793.10
			For Work In Restricted Working Space, Add	2,275.85	
<b>27 15 53 00-0020</b>			<b>Plenum Rated, Indoor Innerduct, Installed Exposed (27 15 53 00-0014)</b>		
27 15 53 00-0021	MLF		3/4" Plenum Rated, Indoor Innerduct, Installed Exposed.....	7,208.93	1,625.61
27 15 53 00-0022	MLF		1" Plenum Rated, Indoor Innerduct, Installed Exposed.....	7,950.10	2,167.48
			For Work In Restricted Working Space, Add	1,300.49	
27 15 53 00-0023	MLF		1-1/4" Plenum Rated, Indoor Innerduct, Installed Exposed.....	9,772.25	2,709.36
			For Work In Restricted Working Space, Add	1,625.61	
27 15 53 00-0024	MLF		1-1/2" Plenum Rated, Indoor Innerduct, Installed Exposed.....	12,240.51	3,251.23
			For Work In Restricted Working Space, Add	1,950.74	
27 15 53 00-0025	MLF		2" Plenum Rated, Indoor Innerduct, Installed Exposed.....	14,508.78	3,793.10
			For Work In Restricted Working Space, Add	2,275.85	
<b>27 15 53 00-0026</b>			<b>Outdoor Innerduct (27 15 53)</b>		
<b>27 15 53 00-0027</b>			<b>Outdoor Innerduct, Installed In Conduit (27 15 53 00-0026)</b>		
27 15 53 00-0028	MLF		1" Outdoor Innerduct, Installed In Conduit.....	3,971.38	1,625.61
27 15 53 00-0029	MLF		1-1/4" Outdoor Innerduct, Installed In Conduit.....	5,102.54	2,167.48
27 15 53 00-0030	MLF		1-1/2" Outdoor Innerduct, Installed In Conduit.....	6,513.75	2,709.36

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 15 53 00-0031	MLF		2" Outdoor Innerduct, Installed In Conduit.....	7,781.03	3,251.23
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**27 15 53 00-0032 Outdoor Innerduct, Buried In Trench** (27 15 53 00-0026)

27 15 53 00-0033	MLF		1" Outdoor Innerduct, Buried In Trench.....	2,887.63	
27 15 53 00-0034	MLF		1-1/4" Outdoor Innerduct, Buried In Trench.....	4,018.80	
27 15 53 00-0035	MLF		1-1/2" Outdoor Innerduct, Buried In Trench.....	5,430.01	
27 15 53 00-0036	MLF		2" Outdoor Innerduct, Buried In Trench.....	6,697.29	

**27 16 Communications Connecting Cords, Devices, and Adapters** (27 16)

**27 16 16 Communications Media Converters, Adapters, and Transceivers** (27 16)

**27 16 16 00-0001 Fiber Optic Receivers** (27 16 16)

27 16 16 00-0002	EA		Fiber Optic Receiver, Range 6.2 Miles.....	791.11	54.18
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**27 16 16 00-0003 Fiber Optic Transmitters** (27 16 16)

27 16 16 00-0004	EA		Fiber Optic Transmitter, Range 6.2 Miles.....	791.11	54.18
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**27 16 16 00-0005 Fiber Optic Repeaters** (27 16 16)

Note: Consist of transmitter and receiver, back-to-back. Excludes power source.

27 16 16 00-0006	EA		Fiber Optic Repeater, 6.2 Miles Transmitter And Receiver Back-Back, No Power.....	899.48	108.38
27 16 16 00-0007	EA		Fiber Optic Digital Repeater, 2,000 Miles Transmitter And Receiver Back-Back, No Power.....	1,418.13	216.75

**27 16 16 00-0008 Fiber Optic Transceivers** (27 16 16)

27 16 16 00-0009	EA		Fiber Optic Transceivers, 3,000 Miles Range.....	955.02	216.75
27 16 16 00-0010	EA		Fiber Optic Transceivers, Digital 2,000 Miles Range.....	955.02	216.75
27 16 16 00-0011	EA		Fiber Optic Ethernet Transceiver.....	1,251.90	325.12
27 16 16 00-0012	EA		Transceiver (Low Cost Bi- Directional).....	448.73	81.28

**27 16 19 Communications Patch Cords, Station Cords, and Cross Connect Wire** (27 16)

**27 16 19 00-0001 Cross Connect Wire** (27 16 19)

Note: Up to 20' length.

27 16 19 00-0002	EA		2-Pair Cross Connect Wire.....	17.27	
27 16 19 00-0003	EA		3-Pair Cross Connect Wire.....	23.12	
27 16 19 00-0004	EA		4-Pair Cross Connect Wire.....	28.92	

**27 16 19 00-0005 Fiber Optic Patch Cords** (27 16 19)

**27 16 19 00-0006 Simplex Fiber Optic Patch Cables** (27 16 19 00-0005)

**27 16 19 00-0007 Singlemode, Simplex Fiber Optic Patch Cables** (27 16 19 00-0006)

27 16 19 00-0008	EA		ST To ST Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	46.13	
			<i>For Each Additional Meter In Length, Add</i>	0.26	
27 16 19 00-0009	EA		ST To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	37.61	
			<i>For Each Additional Meter In Length, Add</i>	0.26	
27 16 19 00-0010	EA		ST To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	48.69	
			<i>For Each Additional Meter In Length, Add</i>	0.26	
27 16 19 00-0011	EA		SC To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	39.55	
			<i>For Each Additional Meter In Length, Add</i>	0.26	
27 16 19 00-0012	EA		SC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	45.77	
			<i>For Each Additional Meter In Length, Add</i>	0.26	
27 16 19 00-0013	EA		LC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	45.09	
			<i>For Each Additional Meter In Length, Add</i>	0.26	

**27 16 19 00-0014 Duplex Fiber Optic Patch Cables** (27 16 19 00-0005)

**27 16 19 00-0015 Singlemode, Duplex Fiber Optic Patch Cables** (27 16 19 00-0014)

27 16 19 00-0016	EA		ST To ST Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable.....	80.39	
			<i>For Each Additional Meter In Length, Add</i>	0.51	
27 16 19 00-0017	EA		ST To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable.....	77.99	
			<i>For Each Additional Meter In Length, Add</i>	0.51	
27 16 19 00-0018	EA		ST To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable.....	86.53	
			<i>For Each Additional Meter In Length, Add</i>	0.51	
27 16 19 00-0019	EA		SC To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable.....	67.27	
			<i>For Each Additional Meter In Length, Add</i>	0.51	
27 16 19 00-0020	EA		SC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable.....	79.68	
			<i>For Each Additional Meter In Length, Add</i>	0.51	
27 16 19 00-0021	EA		LC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable.....	78.33	
			<i>For Each Additional Meter In Length, Add</i>	0.51	

**27 16 19 00-0022 Multimode, Duplex Fiber Optic Patch Cables** (27 16 19 00-0014)

27 16 19 00-0023	EA		ST To ST Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	60.69	
			<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0024	EA		ST To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	66.26	
			<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0025	EA		ST To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	66.83	
			<i>For Each Additional Meter In Length, Add</i>	1.48	

**27 Communications****27 10 Structured Cabling****27 16 Communications Connecting Cords, Devices, and Adapters**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

27 16 19 00-0026	EA	ST To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	68.62	
		<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0027	EA	SC To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	60.93	
		<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0028	EA	SC To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	68.94	
		<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0029	EA	SC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	81.02	
		<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0030	EA	MTRJ To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	55.79	
		<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0031	EA	LC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	67.90	
		<i>For Each Additional Meter In Length, Add</i>	1.48	

**27 16 19 00-0032 Fiber Optic Cable Pig Tail** (27 16 19)

27 16 19 00-0033	EA	Simplex Fiber Optic Cable Pig Tail.....	73.72	37.93
27 16 19 00-0034	EA	Duplex Fiber Optic Cable Pig Tail.....	93.94	37.93

**27 16 19 00-0035 Ethernet Patch Cords** (27 16 19)

27 16 19 00-0036	EA	3' Category 5E Patch Cables With Boots.....	15.69	
27 16 19 00-0037	EA	5' Category 5E Patch Cables With Boots.....	17.22	
27 16 19 00-0038	EA	7' Category 5E Patch Cables With Boots.....	18.75	
27 16 19 00-0039	EA	10' Category 5E Patch Cables With Boots.....	27.24	
27 16 19 00-0040	EA	15' Category 5E Patch Cables With Boots.....	34.10	
27 16 19 00-0041	EA	25' Category 5E Patch Cables With Boots.....	45.68	
27 16 19 00-0042	EA	3' Category 6 Patch Cables With Boots.....	17.50	
27 16 19 00-0043	EA	5' Category 6 Patch Cables With Boots.....	21.37	
27 16 19 00-0044	EA	7' Category 6 Patch Cables With Boots.....	21.44	
27 16 19 00-0045	EA	10' Category 6 Patch Cables With Boots.....	25.40	
27 16 19 00-0046	EA	15' Category 6 Patch Cables With Boots.....	33.52	
27 16 19 00-0047	EA	25' Category 6 Patch Cables With Boots.....	42.55	
27 16 19 00-0048	EA	50' Category 6 Patch Cables With Boots.....	67.96	
27 16 19 00-0049	EA	100' Category 6 Patch Cables With Boots.....	119.01	
27 16 19 00-0050	EA	3' Category 6A Patch Cables With Boots.....	33.21	
27 16 19 00-0051	EA	5' Category 6A Patch Cables With Boots.....	35.51	
27 16 19 00-0052	EA	7' Category 6A Patch Cables With Boots.....	37.23	
27 16 19 00-0053	EA	10' Category 6A Patch Cables With Boots.....	42.51	
27 16 19 00-0054	EA	15' Category 6A Patch Cables With Boots.....	51.51	
27 16 19 00-0055	EA	25' Category 6A Patch Cables With Boots.....	66.30	
27 16 19 00-0056	EA	50' Category 6A Patch Cables With Boots.....	99.52	
27 16 19 00-0057	EA	100' Category 6A Patch Cables With Boots.....	176.42	
27 16 19 00-0058	EA	3' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E03-06).....	15.69	
27 16 19 00-0059	EA	5' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E05-06).....	17.22	
27 16 19 00-0060	EA	7' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E07-06).....	18.75	
27 16 19 00-0061	EA	10' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E10-06).....	27.24	
27 16 19 00-0062	EA	15' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E15-06).....	34.10	
27 16 19 00-0063	EA	25' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E25-06).....	45.68	
27 16 19 00-0064	EA	3' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC603-06).....	17.50	
27 16 19 00-0065	EA	5' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC605-06).....	21.37	
27 16 19 00-0066	EA	7' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC607-06).....	21.44	
27 16 19 00-0067	EA	10' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC610-06).....	25.40	
27 16 19 00-0068	EA	15' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC615-06).....	33.52	
27 16 19 00-0069	EA	25' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC625-06).....	42.55	
27 16 19 00-0070	EA	3' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A03-09).....	33.21	
27 16 19 00-0071	EA	5' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A05-09).....	35.51	
27 16 19 00-0072	EA	7' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A07-09).....	37.23	
27 16 19 00-0073	EA	10' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A10-09).....	42.51	
27 16 19 00-0074	EA	15' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A15-09).....	51.51	
27 16 19 00-0075	EA	25' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A25-09).....	66.30	

**27 20 Data Communications** (27)**27 21 Data Communications Network Equipment** (27 20)

Note: Includes testing of new devices and certification.

**27 21 16 Data Communications Routers, CSU/DSU, Multiplexers, Codecs, and Modems**(27 21)**27 21 16 00-0001 Fiber Optic Modems** (27 21 16)

27 21 16 00-0002	EA	Fiber Optic Modems, Range 6.2 Miles.....	1,571.37	216.75
27 21 16 00-0003	EA	Fiber Optic Modem, Range 3.1 Miles, 12 Channel.....	2,993.71	216.75

**27 21 16 00-0004 Ethernet Hubs and Switches** (27 21 16)

27 21 16 00-0005	EA	16 Port Managed Hub With Fiberport And Standard Management.....	3,348.98	162.86
27 21 16 00-0006	EA	16 Port Unmanaged Hub.....	584.66	108.58
27 21 16 00-0007	EA	12 Port, Industrial Ethernet Switch (Cisco IE-4000-4GC4GP4G-E).....	4,619.72	108.58
27 21 16 00-0008	EA	Power Supply (Cisco PWR-IE170W-PC-AC).....	1,370.51	54.28

**27 21 16 00-0009 Network Equipment** (27 21 16)**27 21 16 00-0010 Communications Entrance Protection** (27 21 16 00-0009)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 16 00-0011 EA 100-Pair, 5 Pin Configuration, 110 Termination, Building Entrance Terminal With Cover (Porta 24100-110-M110C).....	959.00	81.43
Note: Excludes terminations.		
27 21 16 00-0012 EA Solid State Protector Module With 4 OHM Heat Coils (CommScope 4C1S) .....	11.58	1.08
<b>27 21 16 00-0013 Communications Cabinets, Racks, Frames And Enclosures</b> (27 21 16 00-0009)		
27 21 16 00-0014 EA 19" Width x 36" Height x 24" Depth, Wall Mounted Telecommunications Enclosure (Chatsworth 11840-736) .....	1,162.86	81.43
For Fan Kit (Chatsworth 12804-701), Add	160.64	
27 21 16 00-0015 EA 10 Outlet, 125 Volt, 20 Amperes, Telecommunications Cabinet Power Strip (Chatsworth 13239-757).....	1,054.81	5.43
<b>27 21 16 00-0016 Communications Termination Blocks And Patch Panels</b> (27 21 16 00-0009)		
<b>27 21 16 00-0017 Communications Termination Blocks</b> (27 21 16 00-0016)		
27 21 16 00-0018 EA 4-Pair, 300-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058810).....	369.61	16.26
27 21 16 00-0019 EA 5-Pair, 300-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058802).....	343.51	16.26
27 21 16 00-0020 EA 4-Pair, 900-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058869).....	832.83	16.26
27 21 16 00-0021 EA 5-Pair, 900-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058851).....	774.12	16.26
27 21 16 00-0022 EA 110 Connector System Mounting Brackets (CommScope 107535593).....	111.23	16.26
27 21 16 00-0023 EA 110 Connector System Mounting Brackets (CommScope 107535585).....	120.72	16.26
27 21 16 00-0024 EA 110 Connector System Mounting Brackets (CommScope 107098816).....	138.47	16.26
<b>27 21 16 00-0025 Communications Copper Patch Panels</b> (27 21 16 00-0016)		
Note: Excludes cabinet and terminations.		
27 21 16 00-0026 EA 24 Port, Category 5E Patch Panel (CommScope 108208919) .....	357.21	35.28
27 21 16 00-0027 EA 48 Port, Category 5E Patch Panel (CommScope 108208935) .....	660.12	43.43
27 21 16 00-0028 EA 24 Port, Category 6 Patch Panel (CommScope 760062372) .....	536.03	35.28
27 21 16 00-0029 EA 48 Port, Category 6 Patch Panel (CommScope 760062380) .....	1,010.33	43.43
<b>27 21 16 00-0030 Communications Optical Fiber Patch Panels</b> (27 21 16 00-0016)		
<b>27 21 16 00-0031 Closet Connector Housings</b> (27 21 16 00-0030)		
27 21 16 00-0032 EA 48 Fiber Total Capacity, Closet Connector Housing (Corning CCH-01U).....	417.97	21.71
Note: Accepts up to 2 closet connector housing panels. Excludes panels.		
27 21 16 00-0033 EA 96 Fiber Total Capacity, Closet Connector Housing (Corning CCH-02U).....	488.81	21.71
Note: Accepts up to 4 closet connector housing panels. Excludes panels.		
27 21 16 00-0034 EA 288 Fiber Total Capacity, Closet Connector Housing (Corning CCH-04U).....	610.95	21.71
Note: Accepts up to 12 closet connector housing panels. Excludes panels.		
27 21 16 00-0035 EA SC Duplex Multimode, 62.5 Micron, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-91).....	129.09	10.86
27 21 16 00-0036 EA SC Duplex Singlemode, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-59).....	177.13	10.86
27 21 16 00-0037 EA SC Simplex Multimode, 62.5 Micron, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-56).....	146.06	10.86
27 21 16 00-0038 EA SC Simplex Singlemode, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-3C).....	192.66	10.86
<b>27 21 16 00-0039 Communications Cable Management</b> (27 21 16 00-0009)		
<b>27 21 16 00-0040 Horizontal Communication Cable Management</b> (27 21 16 00-0039)		
27 21 16 00-0041 EA 1.7" Height, 19" Width, 3.7" Depth, 1 RU, Front Only, Horizontal Cable Manager (Panduit WMPFSE).....	133.15	21.71
27 21 16 00-0042 EA 3-1/2" Height, 19" Width, 3.7" Depth, Horizontal Cable Manager (Panduit WMPF1E).....	137.80	21.71
<b>27 21 16 00-0043 Vertical Communication Cable Management</b> (27 21 16 00-0039)		
27 21 16 00-0044 EA 6" Width x 84" Height, Double-Sided Vertical Cabling Section (Chatsworth 11729-703).....	814.36	54.28
27 21 16 00-0045 EA 19" Width x 84" Height, Universal Rack (Chatsworth 48353-703) .....	844.44	54.28
27 21 16 00-0046 EA 23" Width x 84" Height, Universal Rack (Chatsworth 48383-703) .....	912.16	54.28
<b>27 21 16 00-0047 Communications Patch Cords, Station Cords, And Cross Connect Wire</b> (27 21 16 00-0009)		
<b>27 21 16 00-0048 Premise Cross-Connect Wire</b> (27 21 16 00-0047)		
27 21 16 00-0049 LF 1-Pair, 22 AWG Premise Cross-Connect Wire (General Cable 7041973) .....	1.13	0.54
<b>27 21 16 00-0050 Pathways For Communications Systems</b> (27 21 16 00-0009)		
<b>27 21 16 00-0051 Conduits And Backboxes For Communication Systems</b> (27 21 16 00-0050)		
<b>27 21 16 00-0052 Flexible Conduit For Communication Systems</b> (27 21 16 00-0051)		
27 21 16 00-0053 CLF 1" Diameter, Riser Rated, Non-Metallic Flexible Conduit With Pull Tape (Carlon DF4X1C).....	473.99	195.07
27 21 16 00-0054 CLF 1" Diameter, Plenum Rated, Non-Metallic Flexible Conduit With Pull Tape (Carlon CF4X1C).....	717.18	195.07
<b>27 21 16 00-0055 Tube Cables For Communication Systems</b> (27 21 16 00-0051)		
<b>27 21 16 00-0056 Outdoor/All-Dielectric Tube Cables</b> (27 21 16 00-0055)		
27 21 16 00-0057 CLF Two Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC02TOX) .....	421.43	130.05
27 21 16 00-0058 CLF Seven Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC07TOX).....	642.91	162.56
27 21 16 00-0059 CLF Nineteen Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC19TOX) .....	1,102.53	195.07
<b>27 21 16 00-0060 Indoor/Riser Rated Tube Cables</b> (27 21 16 00-0055)		
27 21 16 00-0061 CLF Two Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC02TRX) .....	492.29	130.05
27 21 16 00-0062 CLF Four Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC04TRX) .....	607.94	146.30

**27 Communications****27 20 Data Communications****27 21 Data Communications Network Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21	16 00-0063	CLF	Seven Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC07TRX).....	692.12	162.56
27 21	16 00-0064	CLF	Nineteen Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC19TRX).....	1,324.92	195.07
<b>27 21</b>	<b>16 00-0065</b>		<b>Indoor/Plenum Rated Tube Cables (27 21 16 00-0055)</b>		
27 21	16 00-0066	CLF	Single Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC01TPX).....	344.68	130.05
27 21	16 00-0067	CLF	Two Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC02TP2).....	525.74	130.05
27 21	16 00-0068	CLF	Four Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC04TP2).....	836.24	146.30
27 21	16 00-0069	CLF	Seven Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC07TP2).....	1,241.22	162.56
27 21	16 00-0070	CLF	Nineteen Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC19TP2).....	4,011.41	195.07
<b>27 21</b>	<b>16 00-0071</b>		<b>Unjacketed Single Tube Cables (27 21 16 00-0055)</b>		
27 21	16 00-0072	CLF	Single Tube, Unjacketed Single Tube Cable (Sumitomo TC01TGX).....	289.57	130.05
<b>27 21</b>	<b>16 00-0073</b>		<b>Multimode Fiber Bundles (27 21 16 00-0055)</b>		
			Note: Includes optical fiber cables.		
27 21	16 00-0074	CLF	2-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FR02M6).....	131.94	39.02
27 21	16 00-0075	CLF	4-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB04M6).....	208.69	39.02
27 21	16 00-0076	CLF	6-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB06M6).....	291.35	39.02
27 21	16 00-0077	CLF	12-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB12M6).....	543.27	39.02
27 21	16 00-0078	CLF	18-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB18M6).....	792.26	45.51
27 21	16 00-0079	CLF	24-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB24M6).....	1,044.18	45.51
<b>27 21</b>	<b>16 00-0080</b>		<b>Singlemode Fiber Bundles (27 21 16 00-0055)</b>		
			Note: Includes optical fiber cables.		
27 21	16 00-0081	CLF	2-Fiber, Singlemode Fiber Bundle (Sumitomo FR02SX).....	116.19	39.02
27 21	16 00-0082	CLF	4-Fiber, Singlemode Fiber Bundle (Sumitomo FB04SX).....	149.65	39.02
27 21	16 00-0083	CLF	6-Fiber, Singlemode Fiber Bundle (Sumitomo FB06SX).....	177.20	39.02
27 21	16 00-0084	CLF	12-Fiber, Singlemode Fiber Bundle (Sumitomo FB12SX).....	230.34	39.02
27 21	16 00-0085	CLF	18-Fiber, Singlemode Fiber Bundle (Sumitomo FB18SX).....	359.27	45.51
27 21	16 00-0086	CLF	24-Fiber, Singlemode Fiber Bundle (Sumitomo FB24SX).....	479.32	45.51
<b>27 21</b>	<b>16 00-0087</b>		<b>Tube Distribution Cabinets (27 21 16 00-0055)</b>		
27 21	16 00-0088	EA	Modular Tube Distribution Cabinet (Sumitomo DE06MDU).....	261.64	54.28
			Note: Up to six 7-tube cables or two 19-tube cables.		
<b>27 21</b>	<b>16 00-0089</b>		<b>Modular Fiber Termination Cabinets (27 21 16 00-0055)</b>		
27 21	16 00-0090	EA	24-Fiber Capacity, Wall Mount, Modular Fiber Termination Cabinet (Sumitomo FT24WFM).....	338.81	54.28
27 21	16 00-0091	EA	48-Fiber Capacity, Wall Mount, Modular Fiber Termination Cabinet (Sumitomo FT48WFM).....	363.22	54.28
<b>27 21</b>	<b>16 00-0092</b>		<b>Tube Distribution Accessories (27 21 16 00-0055)</b>		
27 21	16 00-0093	EA	Plastic Push/Pull Quick Release Pneumatic Cap For 8 mm Tube (Sumitomo DE08MA).....	13.60	5.43
27 21	16 00-0094	EA	Plastic Push/Pull Quick Release Pneumatic Coupling For 8 mm Tube (Sumitomo DE08MC2).....	15.31	5.43
27 21	16 00-0095	EA	Brass Push/Pull Quick Release Pneumatic Coupling For 8 mm Bulkhead Tube (Sumitomo DE08MB).....	19.72	5.43
<b>27 21</b>	<b>16 00-0096</b>		<b>Communications Optical Fiber Cabling (27 21 16 00-0009)</b>		
<b>27 21</b>	<b>16 00-0097</b>		<b>Communications Optical Fiber Cable Splicing And Terminations (27 21 16 00-0096)</b>		
<b>27 21</b>	<b>16 00-0098</b>		<b>Field Installed Fiber Connectors (27 21 16 00-0097)</b>		
27 21	16 00-0099	EA	SC Type, Singlemode, Field Installed Fiber Connector (Corning 95-200-42).....	44.00	8.14
27 21	16 00-0100	EA	SC Type, 62.5 Micron Multimode, Field Installed Fiber Connector (Corning 95-000-41).....	38.35	8.14
<b>27 21</b>	<b>16 00-0101</b>		<b>Buffer Tube Fan-Out Kits (27 21 16 00-0097)</b>		
<b>27 21</b>	<b>16 00-0102</b>		<b>Buffer Tube Breakout Kits (Sumitomo) (27 21 16 00-0101)</b>		
			Note: Includes 900 micron tubing.		
27 21	16 00-0103	EA	2-Fiber Breakout Kit (Sumitomo FTFLD02).....	240.37	108.38
27 21	16 00-0104	EA	4-Fiber Breakout Kit (Sumitomo FTFLD04).....	246.27	108.38
27 21	16 00-0105	EA	6-Fiber Breakout Kit (Sumitomo FTFLD06).....	251.49	108.38
27 21	16 00-0106	EA	12-Fiber Breakout Kit (Sumitomo FTFLD12).....	267.68	108.38
27 21	16 00-0107	EA	18-Fiber Breakout Kit (Sumitomo FTFLD18).....	289.85	108.38
27 21	16 00-0108	EA	24-Fiber Breakout Kit (Sumitomo FTFLD24).....	306.30	108.38
<b>27 21</b>	<b>16 00-0109</b>		<b>Buffer Tube Fan-Out Kits (Corning) (27 21 16 00-0101)</b>		
27 21	16 00-0110	EA	12 Fiber, 25" Tube Length, Indoor Buffer Tube Fan-Out Kit (Corning Fan-BT25-12).....	243.10	108.38
27 21	16 00-0111	EA	12 Fiber, 25" Tube Length, Outdoor Buffer Tube Fan-Out Kit (Corning Fan-OD25-12).....	301.58	108.38
<b>27 21</b>	<b>16 00-0112</b>		<b>Communications Copper Cabling (27 21 16 00-0009)</b>		
<b>27 21</b>	<b>16 00-0113</b>		<b>Copper Communications Cable Splicing And Terminations (27 21 16 00-0112)</b>		
<b>27 21</b>	<b>16 00-0114</b>		<b>Copper Communications Cable Splice Cases (27 21 16 00-0113)</b>		
27 21	16 00-0115	EA	6.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8000626).....	1,026.80	216.75
27 21	16 00-0116	EA	9.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8000630).....	1,196.37	216.75



**27 Communications**  
**27 20 Data Communications**  
**27 21 Data Communications Network Equipment**

MINOR TOTAL DIRECT DEMOLITION  
 CSI UOM DESCRIPTION UNIT COST UNIT COST

27 21 33 00-0014	EA	1' High Performance Dish Antenna, Low Profile, 21.2-23.6 GHz, WR42 Flange, SOI (Radio Waves HPLP1-23RR).....	509.55	54.18
27 21 33 00-0015	EA	Cellular Phone / Wi-Fi Antenna (Sierra Wireless AP-CWG-Q-S222-WH).....	423.63	54.18
27 21 33 00-0016	EA	Cell LTE MIMO Antenna (Sierra Wireless 1810075).....	76.82	21.67
27 21 33 00-0017	EA	AirLink GX400 Power Adapter (Sierra Wireless 2700384).....	65.77	
27 21 33 00-0018	EA	AirLink GX400 Power Cable (Sierra Wireless 2000380).....	38.70	
27 21 33 00-0019	EA	Cellular/PCS/LTE, Hockey Puck Antenna (Sierra Wireless AP-C-Q-S2-BL).....	274.39	54.18
27 21 33 00-0020	EA	Cellular/PCS/LTE/GPS, Multi-Band Antenna (Sierra Wireless AP-CG-Q-S22-BL).....	276.05	54.18
27 21 33 00-0021	EA	2 Way, RF Power Divider, 790-920 MHZ (Telewave ANTPD28D).....	374.06	54.28
27 21 33 00-0022	EA	Wireless Cellular Modem (Sierra Wireless AirLink GX400 EVDO/GPS).....	937.35	81.43
27 21 33 00-0023	EA	Wireless Cellular Modem (Sierra Wireless AirLink GX450 Rugged).....	1,195.95	81.43
27 21 33 00-0024	EA	Magnetic Mount Cellular Antenna (Wilson Electronics 301125).....	68.73	16.26
27 21 33 00-0025	EA	Yagi Antenna, 890-960 MHZ, 10 dBd Gain (PCTEL Bluewave Antennas BGYD890K).....	261.73	61.57
27 21 33 00-0026	EA	Andrew® Omni Antenna, 890-960 MHZ, 360° Horizontal Beamwidth, Fixed Electrical Tilt, Fits On 38-51 mm (1-1/2 to 2 in) OD Pipe (Commscope DB583-Y).....	834.59	61.57
27 21 33 00-0027	EA	Single Channel Bluetooth Sensor With Bluetooth Module And Antenna (DeepBlue SC).....	4,062.75	54.28
27 21 33 00-0028	EA	Point-to-Point Wireless Bridge (Proxim Tsunami® QB-10150).....	2,067.03	54.18

## 27 30 Voice Communications (27)

### 27 31 Voice Communications Switching and Routing Equipment (27 30)

Note: Includes testing of new devices and certification.

#### 27 31 13 PBX/Key Systems (27 31)

##### 27 31 13 00-0001 Interior PBX Telephone System (27 31 13)

Note: Includes telephone instruments cabling and solid state switching.

##### 27 31 13 00-0002 Interior PBX Telephone System (27 31 13 00-0001)

Note: Cost is for each line up to 1000 lines.

27 31 13 00-0003	EA	1 Line PBX Connection, Cost Per Each Line Up To 1,000 .....	1,627.57	564.92
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##### 27 31 13 00-0004 Additional Telephones Less Solid State Switching (PBX) (27 31 13 00-0001)

27 31 13 00-0005	EA	Add For Each Additional PBX Phone Line Less Solid State Switching.....	534.56	44.43
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##### 27 31 13 00-0006 Telephones (27 31 13 00-0001)

27 31 13 00-0007	EA	Telephones, Desk Type Intercommunication Equipment.....	210.91	42.26
27 31 13 00-0008	EA	Telephones, Wall Type Intercommunication Equipment.....	239.40	56.36

### 27 32 Voice Communications Terminal Equipment (27 30)

Note: Includes testing of new devices and certification.

#### 27 32 13 Telephone Sets (27 32)

##### 27 32 13 00-0001 Interior Telephone Components (27 32 13)

27 32 13 00-0002	EA	Solid State Exchange Unit With Power Supply .....	6,357.44	990.32
27 32 13 00-0003	EA	Dial Telephone - Handset In Cabinet .....	759.80	80.96
27 32 13 00-0004	EA	Elevator Cab Telephone With Trailer Cable.....	389.88	86.80
27 32 13 00-0005	EA	Loud Ring Bell, 6" .....	307.08	80.52
27 32 13 00-0006	EA	Audio/Visual Indicator .....	388.80	75.86
27 32 13 00-0007	EA	Administrative Telephone With Digital Display.....	403.94	68.06
27 32 13 00-0008	EA	Processing Unit For 16 Station System .....	2,022.01	555.20
27 32 13 00-0009	EA	Handset For 16 Station System .....	285.50	55.27
27 32 13 00-0010	EA	Handset In Cabinet, For 16 Station System.....	386.70	74.56
27 32 13 00-0011	MLF	20 Conductor Unshielded Cable, #22 .....	2,649.03	1,195.04
27 32 13 00-0012	EA	Power Supply For 16 Station System .....	366.30	147.49
27 32 13 00-0013	EA	Intercom Terminal Board .....	327.04	166.03
27 32 13 00-0014	EA	Power Supply For Five Station System, 24 Volt DC .....	380.22	147.49
27 32 13 00-0015	EA	Telephone Communication Board, Insulated Blueboard 24" x 24" x 1/2" Thick .....	184.36	60.59
27 32 13 00-0016	EA	Telephone Cabinet With Backboard 24" High x 24" Wide x 6" Deep .....	571.45	133.36
27 32 13 00-0017	EA	Telephone Cabinet With Backboard 30" High x 24" Wide x 6" Deep .....	674.32	151.58
27 32 13 00-0018	EA	Telephone Cabinet With Backboard 30" High x 30" Wide x 6" Deep .....	817.43	179.40
27 32 13 00-0019	EA	Telephone Cabinet With Backboard 36" High x 30" Wide x 6" Deep .....	963.11	193.95
27 32 13 00-0020	EA	Telephone Cabinet With Backboard 48" High x 30" Wide x 6" Deep .....	1,494.47	220.69
27 32 13 00-0021	EA	Ring Rung 3".....	11.58	6.04
27 32 13 00-0022	EA	G66B50 Telephone Blocks Including 50 Terminators, Exterior Ring, Marking, ID .....	28.82	10.73
27 32 13 00-0023	EA	G110 Data Blocks Including Terminator, Exterior Ring, Marking, ID And Testing.....	52.62	22.00

##### 27 32 13 00-0024 Interior Telephone Accessories (27 32 13)

27 32 13 00-0025	EA	Blank Telephone Receptacle, Exposed Devices - Complete .....	12.24	5.85
27 32 13 00-0026	EA	4-Pin Telephone Receptacle, Exposed Devices - Complete.....	27.35	22.55
27 32 13 00-0027	EA	Dual Flush Mounted, Level 5, RJ-45 Jack, Complete .....	69.27	24.75
27 32 13 00-0028	EA	Wall Mount, Level 5, RJ-45 Jack, Complete .....	64.88	24.75
27 32 13 00-0029	EA	Terminating Strips, Inside .....	131.95	49.50
27 32 13 00-0030	EA	Dual Outlet, 4-Pin Telephone Receptacle, Concealed Type RJ-45 - Complete.....	56.01	25.46
27 32 13 00-0031	EA	Ready Access Closure 3 To 25 Pair .....	159.58	59.72
27 32 13 00-0032	EA	Ready Access Closure 25 To 100 Pair .....	188.26	66.75
27 32 13 00-0033	EA	Termination Block With Bracket 25 Pair.....	61.67	20.05
27 32 13 00-0034	EA	RJ-11 Telephone Receptacle, Concealed Devices - Complete .....	54.94	25.14
27 32 13 00-0035	EA	Interior Protected Terminal 25 Pair .....	746.93	144.79
27 32 13 00-0036	EA	Interior Protected Terminal 50 Pair .....	898.67	147.06
27 32 13 00-0037	EA	Pedestal 6" x 6" x 50" 3 To 100 Pair .....	296.06	60.26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 32 13 00-0038	EA	Pedestal 8" x 8" x 50" 100 To 300 Pair.....	306.60	60.26
27 32 13 00-0039	EA	Pedestal 10" x 10" x 43" 300 To 600 Pair.....	406.21	77.05
27 32 13 00-0040	EA	Pedestal 10" x 16" x 439 600 Pair.....	854.11	138.82
27 32 13 00-0041	EA	Entrance Protector Terminal 100 Pair.....	1,199.89	158.44
27 32 13 00-0042	EA	Gas Protection Module.....	17.03	5.42
27 32 13 00-0043	EA	Terminating Boxes, Outside With 3 Element Protectors, Per Pair.....	31.87	4.95

**27 32 26 Ring-Down Emergency Telephones (27 32)**

27 32 26 00-0001	<b>Emergency Telephone (27 32 26)</b>			
Note: Includes CB3000 speakerphone, 3 auxiliary inputs, 2 auxiliary outputs, phone line surge suppressor, analog telephone connection, 70 watt area light with blue beacon, high power strobe, lighted faceplate, 110VAC power, ultra weather resistant finish, vandal resistant hardware, UV resistant lens, dome vent; flat area for directory, access control or other options; 12.75" diameter/8'-6" height, 1/4" thick steel construction, foundation anchor kit, ADA compliant.				
27 32 26 00-0002	EA	Code Blue 1-Standard Emergency Telephone Pedestal Unit (CB 1-s).....	9,480.52	446.10
Note: Includes IA4100 FP1 analog speakerphone with single red "Push For Help" button, "Push For Help" bezel, hard wire phone line, passive vent at top, 24V AC, and standard color.				
27 32 26 00-0003	EA	Code Blue 1-Dual Emergency Telephone Pedestal Unit (CB 1-d).....	9,964.39	446.10
Note: Includes IA4100 FP1 analog speakerphone with single red "Push For Help" button, "Push For Help" bezel, blank stainless steel plate second opening, hard wire phone line, passive vent at top, 24V AC, and standard color.				
27 32 26 00-0004	EA	Analog Speakerphone With Black "Info" Button And Red "Push For Help" Button Code Blue Option (Code Blue IA4100 FP2).....	161.29	
27 32 26 00-0005	EA	Analog Speakerphone With Black "Call" Button, Keypad And Red "Push For Help" Button Code Blue Option (Code Blue IA4100 FP2-K).....	241.93	
27 32 26 00-0006	EA	IP Speakerphone With Single Red "Push For Help" Button Code Blue Option (Code Blue IP5000 FP1).....	604.84	
27 32 26 00-0007	EA	IP Speakerphone With Back "Info" Button And Red "Push For Help" Button Code Blue Option (Code Blue IP5000 FP2).....	822.58	
27 32 26 00-0008	EA	IP Speakerphone With Black "Call" Button, Keypad And Red "Push For Help" Button Code Blue Option (Code Blue IP5000 FP2-K).....	903.22	
27 32 26 00-0009	EA	EMERGENCY (Raised Letters With Braille) Main Bezel Code Blue Option.....	16.13	
27 32 26 00-0010	EA	EMERGENCY/EMERGENCIA (Raised Letters With Braille) Main Bezel Code Blue Option.....	16.13	
27 32 26 00-0011	EA	Directory, Second Opening Code Blue Option.....	145.16	
27 32 26 00-0012	EA	Camera Enclosure With Color IP Camera, Second Opening Code Blue Option.....	1,532.25	
27 32 26 00-0013	EA	HID Card Reader, Second Opening Code Blue Option.....	709.68	
27 32 26 00-0014	EA	HID Card Reader And Color IP Camera, Second Opening Code Blue Option.....	2,298.38	
27 32 26 00-0015	EA	IP Wireless Communication Code Blue Option.....	4,830.63	
Note: 802.11g or secure mesh 5.8. (system UPS backup or unit Night Charge recommended). IP5000 VoIP Speakerphone option must be ordered when selecting IP Wireless Communications. Requires Base Unit(s) and site survey.				
27 32 26 00-0016	EA	Active Venting Code Blue Option.....	258.06	
27 32 26 00-0017	EA	Night Charge Power Code Blue Option.....	2,249.99	
Note: Requires 120V AC external power supplied to Code Blue unit.				
27 32 26 00-0018	EA	Power Transformer Kit, Alternate Incoming Power Code Blue Option.....	564.51	
27 32 26 00-0019	EA	Overhead Camera Mount Code Blue Option.....	1,282.25	
Note: Excludes camera.				
27 32 26 00-0020	EA	Custom Color For Overhead Camera Mount Code Blue Option.....	56.45	

**27 32 26 00-0021 City Police Call System (27 32 26)**

27 32 26 00-0022	<b>Components (27 32 26 00-0021)</b>			
27 32 26 00-0023	EA	City Police Call System.....	740.57	126.36
27 32 26 00-0024	EA	Concrete Foundation For Police Department Telephone Post.....	668.50	183.04

**27 40 Audio-Video Communications (27)**

**27 41 Audio-Video Systems (27 40)**

**27 41 16 Integrated Audio-Video Systems and Equipment (27 41)**

Note: Includes testing of new devices and certification.

27 41 16 00-0001	<b>Television Distribution System (27 41 16)</b>			
See CSI section 26 05 13 16-0001 for basic wiring, 26 05 19 16-0323 for basic wiring.				
27 41 16 00-0002	<b>Mounted Television Support (27 41 16 00-0001)</b>			
27 41 16 00-0003	EA	Ceiling Mounted Television Support, 19" To 20".....	417.94	121.60
27 41 16 00-0004	EA	Ceiling Mounted Television Support, 19" To 20" With Rack.....	537.56	135.71
27 41 16 00-0005	EA	Ceiling Mounted Television Support, 25" To 27".....	435.84	121.60
27 41 16 00-0006	EA	Ceiling Mounted Television Support, 25" To 27" With Rack.....	555.46	135.71
27 41 16 00-0007	EA	Wall Mounted Television Support, 13".....	330.98	97.72
27 41 16 00-0008	EA	Wall Mounted Television Support, 13" With Rack.....	450.58	108.58
27 41 16 00-0009	EA	Wall Mounted Television Support, 19" To 20".....	354.48	97.72
27 41 16 00-0010	EA	Wall Mounted Television Support, 19" To 20" With Rack.....	474.08	108.58
27 41 16 00-0011	EA	Wall Mounted Television Support, 25" To 27".....	377.98	97.72
27 41 16 00-0012	EA	Wall Mounted Television Support, 25" To 27" With Rack.....	497.58	108.58
27 41 16 00-0013	<b>Distribution System (27 41 16 00-0001)</b>			
See CSI section 26 05 13 16-0001 for wire and cabling.				
27 41 16 00-0014	<b>TV Distribution Rack (27 41 16 00-0013)</b>			
27 41 16 00-0015	EA	Steel Rack Cabinet With Shelves.....	1,440.81	199.30
27 41 16 00-0016	EA	Switch And Pilot Light.....	228.25	88.54
27 41 16 00-0017	LF	Surface Raceway With Outlets.....	27.42	12.03

**27 Communications**  
**27 40 Audio-Video Communications**  
**27 41 Audio-Video Systems**



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
27 41	16 00-0018	EA	Service Label .....	32.70	16.58
27 41	16 00-0019		<b>Head End Amplifier</b> (27 41 16 00-0013)		
27 41	16 00-0020	EA	Head End Amplifier .....	961.25	132.65
27 41	16 00-0021		<b>UHF In-Line Booster Amplifier And Power Supply</b> (27 41 16 00-0013)		
27 41	16 00-0022	EA	UHF In-Line Booster .....	565.30	132.65
27 41	16 00-0023		<b>Preamplifiers</b> (27 41 16 00-0013)		
27 41	16 00-0024	EA	VHF Preamplifier .....	704.72	132.65
27 41	16 00-0025	EA	UHF Preamplifier .....	565.30	132.65
27 41	16 00-0026		<b>Power Supplies</b> (27 41 16 00-0013)		
27 41	16 00-0027	EA	Common Power Supply .....	1,006.74	189.55
27 41	16 00-0028		<b>Line Splitter And Mixer</b> (27 41 16 00-0013)		
27 41	16 00-0029	EA	Line Splitter .....	89.03	44.22
27 41	16 00-0030	EA	Two-Way Splitter .....	100.13	44.22
27 41	16 00-0031	EA	Frequency Filter .....	219.97	66.43
27 41	16 00-0032	EA	Line Splitter And Mixer .....	271.63	97.54
27 41	16 00-0033		<b>Power Line Filters</b> (27 41 16 00-0013)		
27 41	16 00-0034	EA	120-Volt Power Supply Line Filter .....	423.43	88.54
27 41	16 00-0035		<b>Wall Box And Receiver Outlets</b> (27 41 16 00-0013)		
27 41	16 00-0036	EA	Wall Box With Lockable Cover, Excluding Outlet Plug .....	219.97	66.43
27 41	16 00-0037	EA	TV Receiver Outlet Plug .....	100.13	44.22
27 41	16 00-0038	EA	TV Camera Outlet Plug .....	100.13	44.22
27 41	16 00-0039	EA	Audio Outlet Plug .....	86.22	44.22
27 41	16 00-0040	EA	12 Ft RG 6U Cable With G-59 And TV Set Fittings .....	179.45	88.54
27 41	16 00-0041	EA	Male Plug PL-259 .....	100.13	44.22
27 41	16 00-0042	EA	Wall Box And Receiver Outlet Television Outlets .....	118.91	46.38
<b>27 41 33</b>			<b>Master Antenna Television Systems</b> (27 41)		
27 41	33 00-0001		<b>Antenna Systems</b> (27 41 33)		
27 41	33 00-0002		<b>Antenna</b> (27 41 33 00-0001)		
27 41	33 00-0003	EA	Amateur Radio Antenna .....	909.91	162.56
27 41	33 00-0004	EA	Multi-Band Radio Antenna .....	710.19	162.56
27 41	33 00-0005		<b>Receptacles</b> (27 41 33 00-0001)		
27 41	33 00-0006	EA	Amateur Radio Antenna System Receptacle With Mating Plugs And Adapter .....	206.04	66.43
27 41	33 00-0007	EA	Multi-Band Radio Antenna System Receptacle With Mating Plugs .....	206.04	66.43
27 50			<b>Distributed Communications and Monitoring Systems</b> (27)		
27 51			<b>Distributed Audio-Video Communications Systems</b> (27 50)		
27 51 17			<b>Video Intercom and Exterior Gate Control System</b> (27 51)		
27 51 17 00-0001			<b>Video Intercom And Exterior Gate Control System</b> (27 51 17)		
27 51	17 00-0002	EA	Audio Video Master Control Station With Handset, White Finish (Aiphone IX-MV7-HW) .....	1,253.18	135.71
27 51	17 00-0003	EA	Audio Video Master Control Station (Aiphone AX-8MV) .....	1,012.21	135.71
27 51	17 00-0004	EA	16-call Add-on Selector For AX Masters (Aiphone AX-16SW) .....	438.78	135.71
27 51	17 00-0005	EA	Central Exchange Unit (Aiphone AX-084C) .....	1,183.28	67.86
27 51	17 00-0006	EA	Central Exchange Unit (Aiphone AX-248C) .....	1,608.33	67.86
27 51	17 00-0007	EA	Touch Tone Programmable Dialer (Viking K-1900-5) .....	125.17	27.15
27 51	17 00-0008	EA	Surface Mount Audio/Video Door Station (Aiphone IX-DV) .....	849.13	27.15
27 51	17 00-0009	EA	Surface Or Flush Wall Mount Audio/Video Door Station (Aiphone IX-DVF) .....	1,165.44	27.15
27 51	17 00-0010	EA	Surface Mount Audio/Video Door Station (Aiphone AX-DV) .....	381.16	27.15
27 51	17 00-0011	EA	Flush Mount Audio/Video Door Station (Aiphone AX-DVF) .....	429.13	27.15
27 51	17 00-0012	EA	12 Volt, 2.5 Amperes, DC Power Supply (Aiphone PS-1225UL) .....	117.51	13.57
			Note: UL Listed		
27 51	17 00-0013	EA	24 Volt, 2 Amperes, DC Power Supply (Aiphone PS-2420UL) .....	127.56	13.57
			Note: UL Listed		
27 51	17 00-0014	EA	IP Video Master Station (Aiphone IX-MV) .....	1,525.09	135.71
27 51	17 00-0015	EA	Handset Only For IX-MV (Aiphone 285999) .....	52.34	5.43
27 51	17 00-0016	EA	Hands Free Sub Master Video Monitor (Aiphone JF-2HD) .....	660.78	135.71
27 51	17 00-0017	EA	Stainless Steel Video Door Station With HID ProxPoint Plus Reader, Flush Mount (Aiphone AX-DVF-P) .....	608.74	27.15
27 51	17 00-0018	EA	Stainless Steel Surface Mount Box For IS-SS, IS-DVF, IS-IPDVF, IX-DF(SS) (Aiphone SBX-IDVF) .....	188.16	27.15
27 51	17 00-0019	EA	Stainless Steel Surface Mount Box For AX-DV (Aiphone SBX-AXDVF) .....	209.35	27.15
27 51	17 00-0020	EA	Stainless Steel Security Lock Box For IS-DV, IS-DVF, IX-DF, IX-SS, IX-DF-HID, And IX-DF-RP10 (Aiphone LB-SDVFA) .....	257.70	40.71



**27 Communications****27 50 Distributed Communications and Monitoring Systems****27 52 Healthcare Communications and Monitoring Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 52 23 00-0035	EA		S10 Phone Cord (Replacement For S10); STC.....	32.70	
27 52 23 00-0036	EA		Waveware Paging System, Use With NCCN (Dell Computer); SPS-5.....	6,987.61	
27 52 23 00-0037	EA		Waveware Pagers; DAP-040.....	984.58	
<b>27 52 23 00-0038</b>			<b>Wireless Nurses Call Tele/Management System (27 52 23 00-0001)</b>		
27 52 23 00-0039	EA		Tele/Management Unit; TP12.....	3,877.32	
27 52 23 00-0040	EA		Tele/Management Software; TP12S.....	3,707.51	
<b>27 52 23 00-0041</b>			<b>Wireless Nurses Call Paging System (27 52 23 00-0001)</b>		
27 52 23 00-0042	EA		Standard Paging System (2.5 Watt Transmitter); RPE673.....	11,391.94	
27 52 23 00-0043	EA		Removal And Replacement Of Antenna For RPE673; RPE673AN.....	798.23	
27 52 23 00-0044	EA		Removal And Replacement Of Power For RPE673; RPE673PS.....	1,075.16	
27 52 23 00-0045	EA		Alphanumeric Pager; RPR583.....	1,315.65	
27 52 23 00-0046	EA		Removal And Replacement Of Holster For RPR583; RPR583H.....	72.67	
<b>27 52 23 00-0047</b>			<b>Wireless Nurses Call System (Fisher-Berkley) (27 52 23 00-0001)</b>		
			Note: Repair Parts: Alco Sales		
27 52 23 00-0048	EA		Staff Station (Fisher-Berkley AL-59900R).....	765.04	
27 52 23 00-0049	EA		Area Central Module (Fisher-Berkley AL-59901R).....	611.67	
27 52 23 00-0050	EA		Dual Patient (Fisher-Berkley AL-59902R).....	714.01	
27 52 23 00-0051	EA		Code Blue (Fisher-Berkley AL-59903R).....	407.18	
27 52 23 00-0052	EA		Bath Emergency Station (Fisher-Berkley AL-59904R).....	628.72	
27 52 23 00-0053	EA		Single Station With Sidecom (Fisher-Berkley AL-59905R).....	816.17	
27 52 23 00-0054	EA		Dual Station With Sidecom (Fisher-Berkley AL-59906R).....	1,091.88	
27 52 23 00-0055	EA		Single Patient Station (Fisher-Berkley AL-59907R).....	441.26	
27 52 23 00-0056	EA		Duty Station (Fisher-Berkley AL-59908R).....	475.35	
27 52 23 00-0057	EA		Master Station (Fisher-Berkley AL-59909R).....	5,926.74	
27 52 23 00-0058	EA		Station In/Out Board (Fisher-Berkley AL-59910R).....	2,921.39	
27 52 23 00-0059	EA		Power Supply (Fisher-Berkley AL-59911R).....	3,005.26	
27 52 23 00-0060	EA		Pillow Speaker (Fisher-Berkley AL-59913R).....	577.59	
27 52 23 00-0061	EA		Staff Presence Station (Fisher-Berkley AL-59914R).....	441.26	
27 52 23 00-0062	EA		HB System Patient Station (Fisher-Berkley AL-59915R).....	492.39	
27 52 23 00-0063	EA		HB System Staff Station (Fisher-Berkley AL-59916R).....	458.31	
27 52 23 00-0064	EA		Station In/Out Board Expdr (Fisher-Berkley AL-59917R).....	2,424.14	
27 52 23 00-0065	EA		Master In/Out Board (Fisher-Berkley AL-59918R).....	1,981.08	
27 52 23 00-0066	EA		MMC Central Processor Unit (Fisher-Berkley AL-59919R).....	2,417.33	
<b>27 52 23 00-0067</b>			<b>Equipment Nurses Call Systems (27 52 23)</b>		
27 52 23 00-0068	EA		Nurses Call System, Page/Talk Relay Intercommunication Equipment.....	247.02	56.36
27 52 23 00-0069	EA		Nurses Call System, Main Equipment Panel Intercommunication Equipment.....	2,624.54	225.42
27 52 23 00-0070	EA		Nurses Call System, Re-Entrant Horn Intercommunication Equipment.....	261.47	73.69
27 52 23 00-0071	EA		Nurses Call System, Nurses Control Station Intercommunication Equipment.....	1,283.83	216.75
27 52 23 00-0072	EA		Nurses Call System, Duty Station Intercommunication Equipment.....	645.10	169.07
27 52 23 00-0073	EA		Nurses Call System, Staff Station Intercommunication Equipment.....	336.38	56.36
27 52 23 00-0074	EA		Nurses Call System, Single Bedside Station Intercommunication Equipment.....	318.73	56.36
27 52 23 00-0075	EA		Nurses Call System, Double Bedside Station Intercommunication Equipment.....	487.74	98.62
27 52 23 00-0076	EA		Nurses Call System, Emergency Call Button Intercommunication Equipment.....	146.56	43.35
27 52 23 00-0077	EA		Nurses Call System, Pull Cord Button Intercommunication Equipment.....	135.20	43.35
27 52 23 00-0078	EA		Nurses Call System, Single Dome Light Intercommunication Equipment.....	97.67	28.18
27 52 23 00-0079	EA		Nurses Call System, Double Dome Light Intercommunication Equipment.....	141.71	43.35
27 52 23 00-0080	EA		Nurses Call System, Pillow Speaker Intercommunication Equipment.....	214.97	28.18
27 52 23 00-0081	EA		Nurses Call System, Cord Set Intercommunication Equipment.....	106.23	28.18
27 52 23 00-0082	EA		Nurse Call System, Master-20 Station.....	5,351.03	216.75
27 52 23 00-0083	EA		Dukane Duty Station - Tone Only, PC1000.....	881.61	169.17
<b>27 53 Distributed Systems (27 50)</b>					
<b>27 53 13 Clock Systems (27 53)</b>					
<b>27 53 13 16 Wired Clock Systems (27 53 13)</b>					
<b>27 53 13 16-0001 Wired Self-Corrective Clock Systems (27 53 13 16)</b>					
<b>27 53 13 16-0002 Wired Self-Corrective Clocks (27 53 13 16-0001)</b>					
<b>27 53 13 16-0003 Analog, Wired Self-Corrective Clocks (Telecor) (27 53 13 16-0002)</b>					
<b>27 53 13 16-0004 24 Volt AC, Analog, Wired Self-Corrective Clocks (27 53 13 16-0003)</b>					
27 53 13 16-0005	EA		12", Single Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount.....	212.02	27.10
			For >50 To 100, Deduct	-14.42	
			For >100, Deduct	-20.73	
27 53 13 16-0006	EA		12", Dual Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount.....	493.74	27.10
			For >50 To 100, Deduct	-25.69	
			For >100, Deduct	-43.27	
27 53 13 16-0007	EA		16", Single Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount.....	263.97	27.10
			For >50 To 100, Deduct	-18.60	
			For >100, Deduct	-26.99	
27 53 13 16-0008	EA		16", Dual Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount.....	649.58	27.10
			For >50 To 100, Deduct	-67.65	
			For >100, Deduct	-91.46	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>27 53 13 16-0009</b> 120 Volt AC, Analog, Wired Self-Corrective Clocks <small>(27 53 13 16-0003)</small>		
27 53 13 16-0010 EA 12", Single Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount .....	212.02	27.10
For >50 To 100, Deduct	-14.42	
For >100, Deduct	-20.73	
27 53 13 16-0011 EA 12", Dual Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount.....	493.74	27.10
For >50 To 100, Deduct	-25.69	
For >100, Deduct	-43.27	
27 53 13 16-0012 EA 16", Single Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount .....	263.97	27.10
For >50 To 100, Deduct	-18.60	
For >100, Deduct	-26.99	
27 53 13 16-0013 EA 16", Dual Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount.....	649.58	27.10
For >50 To 100, Deduct	-67.65	
For >100, Deduct	-91.46	
<b>27 53 13 16-0014</b> Accessories For Analog Wired Self-Corrective Clocks <small>(27 53 13 16-0003)</small>		
27 53 13 16-0015 EA Wire Guards For 12", 15" Or 16" Analog Wired Self-Corrective Clocks.....	171.95	13.54
27 53 13 16-0016 EA Back Box For 10", 12" Or 15" Flush Mount Analog Wired Self-Corrective Clocks .....	47.08	13.54
27 53 13 16-0017 EA Surface Mounting Rings For 12" Analog Wired Self-Corrective Clocks .....	58.57	13.54
27 53 13 16-0018 EA Surface Mounting Rings For 15" Analog Wired Self-Corrective Clocks .....	70.56	13.54
27 53 13 16-0019 EA Combination Back Box For Speaker And Clock.....	131.79	21.67
<b>27 53 13 16-0020</b> Digital, Wired Self-Corrective Clocks (Telecor) <small>(27 53 13 16-0002)</small>		
<b>27 53 13 16-0021</b> 24 Volt AC, Digital, Wired Self-Corrective Clocks <small>(27 53 13 16-0020)</small>		
27 53 13 16-0022 EA 2.5", 24 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount.....	259.97	27.10
For Surface Mount, Add	41.16	
For >50 To 100, Deduct	-12.35	
For >100, Deduct	-20.58	
27 53 13 16-0023 EA 4", 24 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount.....	395.84	27.10
For Surface Mount, Add	68.33	
For >50 To 100, Deduct	-20.50	
For >100, Deduct	-34.17	
<b>27 53 13 16-0024</b> 120 Volt AC, Digital, Wired Self-Corrective Clocks <small>(27 53 13 16-0020)</small>		
27 53 13 16-0025 EA 2.5", 120 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount.....	259.97	27.10
For Surface Mount, Add	41.16	
For >50 To 100, Deduct	-12.35	
For >100, Deduct	-20.58	
27 53 13 16-0026 EA 4", 120 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount.....	395.84	27.10
For Surface Mount, Add	68.33	
For >50 To 100, Deduct	-20.50	
For >100, Deduct	-34.17	
<b>27 53 13 16-0027</b> Replacement Modules For 24 Volt AC, Digital, Wired Self-Corrective Clocks <small>(27 53 13 16-0020)</small>		
27 53 13 16-0028 EA 2.5", Replacement Module For 24 Volt AC, Digital, Wired Self-Corrective Clocks.....	223.52	27.10
For >50 To 100, Deduct	-10.16	
For >100, Deduct	-16.93	
27 53 13 16-0029 EA 4" Replacement Module For 24 Volt AC, Digital, Wired Self-Corrective Clocks.....	362.87	27.10
For >50 To 100, Deduct	-18.52	
For >100, Deduct	-30.87	
<b>27 53 13 16-0030</b> Replacement Modules For 120 Volt AC, Digital, Wired Self-Corrective Clocks <small>(27 53 13 16-0020)</small>		
27 53 13 16-0031 EA 2.5", Replacement Module For 120 Volt AC, Digital, Wired Self-Corrective Clocks.....	223.52	27.10
For >50 To 100, Deduct	-10.16	
For >100, Deduct	-16.93	
27 53 13 16-0032 EA 4" Replacement Module For 120 Volt AC, Digital, Wired Self-Corrective Clocks.....	362.87	27.10
For >50 To 100, Deduct	-18.52	
For >100, Deduct	-30.87	
<b>27 53 13 16-0033</b> Accessories For Digital Wired Self-Corrective Clocks <small>(27 53 13 16-0020)</small>		
27 53 13 16-0034 EA Wire Guard For 4" Surface Mount Analog Wired Self-Corrective Clocks.....	232.89	13.54
27 53 13 16-0035 EA 2.5", Recessed Back Box For Flush Mount Digital Wired Self-Corrective Clocks.....	59.07	13.54
27 53 13 16-0036 EA 4", Recessed Back Box For Flush Mount Digital Wired Self-Corrective Clocks.....	80.05	13.54
27 53 13 16-0037 EA Dual Mounting Kit For Surface Mount Digital Wired Self-Corrective Clocks .....	203.92	13.54
27 53 13 16-0038 EA 4 Gang Extension Ring For Surface Mount Digital Wired Self-Corrective Clocks.....	60.57	13.54
<b>27 53 13 16-0039</b> Wired Self-Corrective Master Clocks <small>(27 53 13 16-0001)</small>		
<b>27 53 13 16-0040</b> Wired Self-Corrective Master Clocks <small>(27 53 13 16-0039)</small>		
27 53 13 16-0041 EA 24 Volt AC, Wired Self-Corrective Master Clock, Surface Mount (Telecor 2400-S-24).....	2,427.48	216.75
27 53 13 16-0042 EA 120 Volt AC, Wired Self-Corrective Master Clock, Surface Mount (Telecor 2400-S-120).....	2,577.33	216.75
<b>27 53 13 16-0043</b> Accessories For Wired Self-Corrective Master Clocks <small>(27 53 13 16-0039)</small>		
27 53 13 16-0044 EA 5 Amperes Power Transformer For 24 Volt AC, Wired Self-Corrective Clock Systems (Telecor 2405).....	259.73	54.18
27 53 13 16-0045 EA 10 Amperes Power Transformer For 24 Volt AC, Wired Self-Corrective Clock Systems (Telecor 2406).....	291.20	54.18

**27 Communications**

**27 50 Distributed Communications and Monitoring Systems**

**27 53 Distributed Systems**



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

27 53 13 16-0046		Other Clock And Program Systems <small>(27 53 13 16)</small>		
27 53 13 16-0047	EA	4 Circuit Master Clock And Signal Control (Lathem LTR4-512) .....	1,623.56	108.38
27 53 13 16-0048	EA	8 Circuit Master Clock And Signal Control (Lathem LTR8-512) .....	1,973.69	216.75
27 53 13 16-0049	EA	Program Bell (Lathem 906-6) .....	243.85	54.18
27 53 13 16-0050	EA	Combination Clock And Speaker .....	555.14	135.46

**END OF SECTION 27**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 28 Electronic Safety and Security

Note: Termination costs are included with all safety and security equipment, panel boards, and devices. Terminations are not included with patch panels.

### 28 05 Common Work Results for Electronic Safety and Security <sup>(28)</sup>

#### 28 05 26 Grounding and Bonding for Electronic Safety and Security <sup>(28 05)</sup>

See CSI section 26 05 26 00-0000 for grounding and bonding.

#### 28 05 53 Identification for Electronic Safety and Security <sup>(28 05)</sup>

See CSI section 26 05 53 00-0000 for identification.

### 28 10 Access Control <sup>(28)</sup>

Note: Includes testing of new devices and certification.

#### 28 15 Integrated Access Control Hardware Devices <sup>(28 10)</sup>

##### 28 15 11 Integrated Credential Readers and Field Entry Management <sup>(28 15)</sup>

###### 28 15 11 13 Keypads <sup>(28 15 11)</sup>

###### 28 15 11 13-0001 Vindicator Security Alarm System <sup>(28 15 11 13)</sup>

28 15 11 13-0002	EA	Switch, Balanced Magnetic Door (Security) Vindicator #192-30894-00.....	1,398.65	225.96
28 15 11 13-0003	EA	Detector, Passive Infrared (Security) Vindicator #316-30812-00.....	1,767.10	293.70
28 15 11 13-0004	EA	Premise Control Unit (Security) Vindicator #548-32004-01 .....	9,484.01	643.74
28 15 11 13-0005	EA	Access Manager (Security Key Pad) Vindicator #548-31894-01 .....	4,484.56	548.59
28 15 11 13-0006	EA	ALS Duress Switch (Security) Vindicator #192-30810-00.....	1,131.68	300.09

#### 28 16 Access Control Interfaces <sup>(28 10)</sup>

##### 28 16 11 Access Control Interfaces to Access Control Hardware <sup>(28 16)</sup>

###### 28 16 11 00-0001 Stand Alone Access Controls <sup>(28 16 11)</sup>

###### 28 16 11 00-0002 Push Button Controls, Stand Alone Access Controls <sup>(28 16 11 00-0001)</sup>

###### 28 16 11 00-0003 Interior Mount, Push Button Controls, Stand Alone Access Controls <sup>(28 16 11 00-0002)</sup>

28 16 11 00-0004	EA	Exit Push Button, Push Button Controls, Interior Stand Alone Access Controls..... Note: Controls mount to a standard mullion.	113.54	27.10
28 16 11 00-0005	EA	Exit Push Button, Push Button Controls, Interior Stand Alone Access Controls..... Note: Controls mount into a single gang electrical box. Excludes electrical box.	118.49	27.10
28 16 11 00-0006	EA	Three Button, Push Button Controls, Interior Stand Alone Access Controls For Gate Operators..... Note: Controls mount into a single gang electrical box. Excludes electrical box.	146.93	27.10

###### 28 16 11 00-0007 Exterior Mount, Push Button Controls, Stand Alone Access Controls <sup>(28 16 11 00-0002)</sup>

28 16 11 00-0008	EA	Handicap/Push To Open, Push Button Controls, Exterior Stand Alone Access Controls..... Note: Controls mount into a single gang electrical box. Excludes electrical box.	139.92	27.10
28 16 11 00-0009	EA	42" High Aluminum Post With Handicap/Push To Open, Push Button Controls, Exterior Stand Alone Access Controls..... Note: Includes post, mounting base and push button control. Excludes concrete foundation.	655.58	81.28
28 16 11 00-0010	EA	Three Button, Exterior Stand Alone Access Controls For Gate Operators..... Note: Includes open, close and stop controls.	221.13	27.10

###### 28 16 11 00-0011 Key Controls, Stand Alone Access Controls <sup>(28 16 11 00-0001)</sup>

###### 28 16 11 00-0012 Interior Mount, Key Controls, Stand Alone Access Controls <sup>(28 16 11 00-0011)</sup>

28 16 11 00-0013	EA	Standard Mortise Key, Key Controls, Interior Stand Alone Access Controls..... Note: Controls mount into a single gang electrical box. Excludes electrical box.	156.21	27.10
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###### 28 16 11 00-0014 Exterior Mount, Key Controls, Stand Alone Access Controls <sup>(28 16 11 00-0011)</sup>

28 16 11 00-0015	EA	Postal Or Fire Department Lock Box, Key Controls, Exterior Stand Alone Access Controls..... Note: Opens door or gate with a postal or fire department key.	244.41	54.18
28 16 11 00-0016	EA	Standard Mortise Key, Key Controls, Exterior Stand Alone Access Controls.....	375.50	54.18
28 16 11 00-0017	EA	Ace Key, Key Controls, Exterior Stand Alone Access Controls.....	375.50	54.18
28 16 11 00-0018	EA	Standard Mortise Key And Push Button Intercom, Key Controls, Exterior Stand Alone Access Controls.....	563.48	54.18

###### 28 16 11 00-0019 Keypad Controls, Stand Alone Access Controls <sup>(28 16 11 00-0001)</sup>

###### 28 16 11 00-0020 Interior Mount, Keypad Controls, Stand Alone Access Controls <sup>(28 16 11 00-0019)</sup>

28 16 11 00-0021	EA	One Code Memory, Keypad Control, Interior Stand Alone Access Controls..... Note: Stores one 4-digit entry code and one 4-digit hold code. Controls mount into a single gang electrical box. Excludes electrical box.	214.95	27.10
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###### 28 16 11 00-0022 Exterior Mount, Keypad Controls, Stand Alone Access Controls <sup>(28 16 11 00-0019)</sup>

Note: Includes a surface mounted lockable NEMA rain resistant steel enclosure. Excludes mounting posts.

**28 Electronic Safety and Security****28 10 Access Control****28 16 Access Control Interfaces**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
28 16 11 00-0023		<b>Keypad Controls, Exterior Stand Alone Access Controls</b> (28 16 11 00-0022)			
28 16 11 00-0024	EA	1000 Code Memory, Keypad Control, Exterior Stand Alone Access Controls.....	896.92		108.38
		Note: Includes lighted keypad. Stores one thousand 4-digit entry codes and six 5-digit entry codes.			
		<i>For Flush Mount, Add</i>	153.04		
28 16 11 00-0025		<b>Keypad Controls With Push Button Intercom, Exterior Stand Alone Access Controls</b> (28 16 11 00-0022)			
		Note: Includes intercom sub-station. Excludes additional receiving intercoms.			
28 16 11 00-0026	EA	1000 Code Memory, Keypad Controls With Push Button Intercom, Exterior Stand Alone Access Controls.....	1,084.78		121.92
		Note: Includes lighted keypad. Stores one thousand 4-digit entry codes and six 5-digit entry codes.			
		<i>For Flush Mount, Add</i>	189.21		
28 16 11 00-0027		<b>RF Controls, Stand Alone Access Controls</b> (28 16 11 00-0001)			
28 16 11 00-0028		<b>Exterior Mount, RF Controls, Stand Alone Access Controls</b> (28 16 11 00-0027)			
		Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts and transmitters.			
28 16 11 00-0029		<b>RF Receivers, RF Controls, Exterior Stand Alone Access Controls</b> (28 16 11 00-0028)			
		Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts and transmitters.			
28 16 11 00-0030	EA	50 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls.....	550.65		108.38
28 16 11 00-0031	EA	100 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls.....	617.43		108.38
28 16 11 00-0032	EA	250 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls.....	681.74		108.38
28 16 11 00-0033	EA	500 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls.....	750.99		108.38
28 16 11 00-0034	EA	1000 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls.....	815.30		108.38
28 16 11 00-0035	EA	5000 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls.....	884.55		108.38
28 16 11 00-0036	EA	16000 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls.....	948.86		108.38
28 16 11 00-0037		<b>RF Transmitters, RF Controls, Exterior Stand Alone Access Controls</b> (28 16 11 00-0028)			
28 16 11 00-0038	EA	1 Button, RF Transmitter, RF Controls, Exterior Stand Alone Access Controls.....	42.05		
		<i>For &gt;40 To 110, Deduct</i>	-2.10		
		<i>For &gt;110, Deduct</i>	-4.21		
		<i>For Built In Proximity Tags, Add</i>	8.41		
28 16 11 00-0039	EA	2 Button, RF Transmitter, RF Controls, Exterior Stand Alone Access Controls.....	44.52		
		<i>For &gt;40 To 110, Deduct</i>	-2.23		
		<i>For &gt;110, Deduct</i>	-4.45		
		<i>For Built In Proximity Tags, Add</i>	8.90		
28 16 11 00-0040	EA	3 Button, RF Transmitter, RF Controls, Exterior Stand Alone Access Controls.....	46.99		
		<i>For &gt;40 To 110, Deduct</i>	-2.35		
		<i>For &gt;110, Deduct</i>	-4.70		
		<i>For Built In Proximity Tags, Add</i>	9.40		
28 16 11 00-0041		<b>Accessories For RF Receivers, Exterior Stand Alone Access Controls</b> (28 16 11 00-0028)			
28 16 11 00-0042	EA	Coax Antenna Kit For RF Receivers, Exterior Stand Alone Access Controls.....	221.92		81.28
		Note: Includes 15' of coax cable.			
28 16 11 00-0043	EA	Antenna Amplifier For RF Receivers, Exterior Stand Alone Access Controls.....	409.90		81.28
		Note: Includes 20' of coax cable.			
28 16 11 00-0044	EA	Yagi High-Gain Antenna Kit For RF Receivers, Exterior Stand Alone Access Controls.....	375.27		81.28
		Note: Includes 15' of coax cable.			
28 16 11 00-0045		<b>Proximity Card Controls, Stand Alone Access Controls</b> (28 16 11 00-0001)			
28 16 11 00-0046		<b>Exterior Mount, Proximity Card Controls, Stand Alone Access Controls</b> (28 16 11 00-0045)			
		Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.			
28 16 11 00-0047		<b>DKS Proximity Card Controls, Exterior Stand Alone Access Controls</b> (28 16 11 00-0046)			
28 16 11 00-0048		<b>DKS Proximity Card Readers, Exterior Stand Alone Access Controls</b> (28 16 11 00-0047)			
28 16 11 00-0049	EA	DKS Proximity Card Reader, Exterior Stand Alone Access Controls.....	1,020.59		108.38
28 16 11 00-0050		<b>AWID Proximity Card Controls, Exterior Stand Alone Access Controls</b> (28 16 11 00-0046)			
28 16 11 00-0051		<b>AWID Proximity Card Readers, Exterior Stand Alone Access Controls</b> (28 16 11 00-0050)			
28 16 11 00-0052	EA	AWID Proximity Card Reader, Exterior Stand Alone Access Controls.....	1,107.16		108.38
28 16 11 00-0053		<b>HID Proximity Card Controls, Exterior Stand Alone Access Controls</b> (28 16 11 00-0046)			
28 16 11 00-0054		<b>HID Proximity Card Readers, Exterior Stand Alone Access Controls</b> (28 16 11 00-0053)			
28 16 11 00-0055	EA	HID Proximity Card Reader, Exterior Stand Alone Access Controls.....	1,305.02		108.38
28 16 11 00-0056		<b>Magnetic Stripe Card Controls, Stand Alone Access Controls</b> (28 16 11 00-0001)			
28 16 11 00-0057		<b>Interior Mount, Magnetic Stripe Card Controls, Stand Alone Access Controls</b> (28 16 11 00-0056)			
28 16 11 00-0058	EA	Magnetic Stripe Reader, Interior Stand Alone Access Controls.....	624.85		108.38

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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28 16 11 00-0059	<b>Exterior Mount, Magnetic Stripe Card Controls, Stand Alone Access Controls</b> (28 16 11 00-0056)	
	Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.	
28 16 11 00-0060	EA	Magnetic Stripe Reader, Exterior Stand Alone Access Controls..... 764.51 108.38
28 16 11 00-0061	<b>Other Stand Alone Access Controls</b> (28 16 11 00-0001)	
28 16 11 00-0062	EA	Toggle Switch, Interior Access Controls For Gate Operators ..... 109.83 27.10
	Note: Controls mount into a single gang electrical box. Excludes electrical box.	
28 16 11 00-0063	EA	Request To Exit Motion Detector (Bosch Security Systems DS160) ..... 124.85 21.67
28 16 11 00-0064	<b>Wiegand Output Access Controls</b> (28 16 11)	
	Note: Excludes controllers.	
28 16 11 00-0065	<b>Proximity Card Controls, Wiegand Output Access Controls</b> (28 16 11 00-0064)	
28 16 11 00-0066	<b>DKS, Proximity Card Controls, Wiegand Output Access Controls</b> (28 16 11 00-0065)	
28 16 11 00-0067	<b>DKS, Proximity Cards</b> (28 16 11 00-0066)	
28 16 11 00-0068	EA	Clamshell Type, DKS Proximity Card (DKS 170)..... 6.58
28 16 11 00-0069	EA	ISO Compliant Graphics Card, DKS Proximity Card (DKS 80)..... 10.85
28 16 11 00-0070	EA	DKS Proximity Key Fob (DKS 50)..... 11.43
28 16 11 00-0071	EA	Active Tag, DKS Proximity Tag (DKS 150) ..... 64.64
	Note: Battery powered tag to boost signal.	
28 16 11 00-0072	EA	Active Tag, DKS Proximity Tag (DKS 200) ..... 84.26
	Note: Battery powered tag to boost signal.	
28 16 11 00-0073	<b>DKS, Proximity Card Readers, Wiegand Output Access Controls</b> (28 16 11 00-0066)	
28 16 11 00-0074	EA	Up To 2" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Small)..... 402.52 135.46
28 16 11 00-0075	EA	Up To 3" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Mullion) ..... 402.52 135.46
28 16 11 00-0076	EA	Up To 4" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Single Gang) ..... 402.52 135.46
28 16 11 00-0077	EA	Up To 30" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS)..... 1,018.88 135.46
	Note: Includes mounting bracket and 12 Volt DC regulated power supply.	
28 16 11 00-0078	<b>AWID, Proximity Card Controls, Wiegand Output Access Controls</b> (28 16 11 00-0065)	
28 16 11 00-0079	<b>AWID, Proximity Cards</b> (28 16 11 00-0078)	
28 16 11 00-0080	EA	Clamshell Type, AWID Proximity Card (AWID Prox-Linc CS)..... 5.54
28 16 11 00-0081	EA	ISO Compliant Graphics Card, AWID Proximity Card (AWID Prox-Linc GR)..... 8.66
28 16 11 00-0082	EA	AWID Proximity Key Fob (AWID Prox-Linc KT) ..... 9.23
28 16 11 00-0083	EA	Windshield Tag For LR 2000 Readers, AWID Proximity Tag ..... 32.32
28 16 11 00-0084	EA	Metal Mount Tag For LR 2000 Readers, AWID Proximity Tag ..... 32.32
28 16 11 00-0085	<b>AWID, Proximity Card Readers, Wiegand Output Access Controls</b> (28 16 11 00-0078)	
28 16 11 00-0086	EA	Up To 4" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID SR 2400)..... 478.70 135.46
	Note: For mullion mounting.	
28 16 11 00-0087	EA	Up To 8" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MM 6800) ..... 644.91 135.46
	Note: For mullion mounting.	
28 16 11 00-0088	EA	Up To 8" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MM 6820) ..... 644.91 135.46
	Note: For single gang electrical box mounting.	
28 16 11 00-0089	EA	Up To 24" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MR 1824)..... 1,021.19 135.46
	Note: Includes 12 Volt DC regulated power supply.	
28 16 11 00-0090	EA	Up To 11' Read Range, 12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID LR 2000) ..... 5,536.54 135.46
	Note: Includes mounting bracket and 12 Volt DC regulated power supply.	
28 16 11 00-0091	<b>HID, Proximity Card Controls, Wiegand Output Access Controls</b> (28 16 11 00-0065)	
28 16 11 00-0092	<b>HID, Proximity Cards</b> (28 16 11 00-0091)	
28 16 11 00-0093	EA	Clamshell Type, HID Proximity Card (HID ProxCard II)..... 14.82
28 16 11 00-0094	EA	ISO Compliant Graphics Card, HID Proximity Card (HID ISOProx II)..... 18.98
28 16 11 00-0095	EA	HID Proximity Key Fob (HID ProxKey II) ..... 19.44
28 16 11 00-0096	<b>HID, Proximity Card Readers, Wiegand Output Access Controls</b> (28 16 11 00-0091)	
28 16 11 00-0097	EA	Up To 3" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID ProxPoint Plus)..... 469.82 135.46
	Note: For mullion mounting. (HID P/N 6005).	
28 16 11 00-0098	EA	Up To 5" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID ThinLine II)..... 550.17 135.46
	Note: For single gang electrical box mounting. (HID P/N 5395).	
28 16 11 00-0099	EA	Up To 5" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID MiniProx) ..... 610.44 135.46
	Note: For mullion mounting. (HID P/N 5365).	

**28 Electronic Safety and Security****28 10 Access Control****28 16 Access Control Interfaces**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

28 16 11 00-0100	EA	EntryProx Single-Door Proximity Access Control ..... Note: (HID P/N 4045) Stores up to 2,000 users and 1,000 time-stamped transactions 12 position keypad for Pin entry or programming optional use with card/key fob, code only or card plus pin code Wiegand output mode. Continental Instrument CICR2358P.	773.16	135.46
28 16 11 00-0101		<b>Contactless Smart Card Controls, Wiegand Output Access Controls</b> (28 16 11 00-0064)		
28 16 11 00-0102		<b>HID, Contactless Smart Cards</b> (28 16 11 00-0101)		
28 16 11 00-0103	EA	2K Bits, Clamshell Type, HID iClass, Contactless Smart Card .....	10.16	
28 16 11 00-0104	EA	16K Bits, ISO Compliant Graphics Card, HID iClass, Contactless Smart Card .....	11.09	
28 16 11 00-0105	EA	16K Bits, Contactless Smartcard Key Fob, HID iClass, Contactless Smart Card .....	14.51	
28 16 11 00-0106	EA	16K Bits, Contactless Smartcard Tag, HID iClass, Contactless Smart Card .....	7.85	
		Note: Battery powered tag to boost signal.		
28 16 11 00-0107		<b>HID, Contactless Smart Card Readers, Wiegand Output Access Controls</b> (28 16 11 00-0101)		
28 16 11 00-0108	EA	Up To 3-1/4" Read Range, 5-16 Volt DC, HID iClass Contactless Smart Card Reader, Wiegand Output Access Controls (HID R10) .....	454.13	135.46
		Note: For mullion mounting.		
28 16 11 00-0109	EA	Up To 4-1/4" Read Range, 5-12 Volt DC, HID iClass Contactless Smart Card Reader, Wiegand Output Access Controls (HID R40) .....	606.49	135.46
		Note: For mullion mounting.		
28 16 11 00-0110	EA	Up To 4-1/4" Read Range, 5-12 Volt DC, HID iClass Contactless Smart Card Reader With Keypad, Wiegand Output Access Controls (HID RK40) .....	949.30	135.46
		Note: For mullion mounting.		
28 16 11 00-0111		<b>HID, Contactless Smart Card Programmer, Wiegand Output Access Controls</b> (28 16 11 00-0101)		
28 16 11 00-0112	EA	HID iClass Contactless Smart Card Programmer, Wiegand Output Access Controls (HID CP400) .....	2,877.36	135.46
		Note: For mullion mounting.		
28 16 11 00-0113		<b>Call Station Controls, Wiegand Output Access Controls</b> (28 16 11 00-0064)		
		Note: Includes intercom sub-station. Excludes additional receiving intercoms.		
28 16 11 00-0114	EA	Call Station With Entry Keypad, Exterior Wiegand Output Access Controls .....	1,161.35	135.46
		Note: For mullion mounting.		
28 16 11 00-0115	EA	Call Station With Proximity Card Reader, Exterior Wiegand Output Access Controls .....	975.84	135.46
		Note: For mullion mounting.		
28 16 11 00-0116		<b>Biometrics Readers, Wiegand Output Access Controls</b> (28 16 11 00-0064)		
28 16 11 00-0117	EA	Palm Reader Recognition System, Biometrics Readers, Wiegand Output Access Controls .....	5,535.83	108.38
28 16 11 00-0118	EA	CCD Camera, Face Image, Biometrics Readers, Wiegand Output Access Controls .....	6,758.11	108.38
28 16 11 00-0119	EA	Video Grabber Card For DFR Reader, Biometrics Readers, Wiegand Output Access Controls .....	2,673.60	108.38
28 16 11 00-0120	EA	Fingerprint Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Pass) .....	1,477.33	108.38
28 16 11 00-0121	EA	Fingerprint Reader With HID Card Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Prox) .....	1,640.58	108.38
28 16 11 00-0122	EA	Fingerprint Reader With Contactless Smart Card Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Smart) .....	1,477.33	108.38
28 16 11 00-0123		<b>Exterior Mounting Posts For Gate Operator Access Controls</b> (28 16 11)		
		Note: Includes mounting plate for access controls, baked on enamel finish and mounting bolt covers. Excludes concrete pads and electrical connections.		
28 16 11 00-0124		<b>2" x 2" Steel, Exterior Mounting Posts For Gate Operator Access Controls</b> (28 16 11 00-0123)		
28 16 11 00-0125	EA	44" Tall, Gooseneck Style, Single Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls .....	343.99	39.68
		Note: Includes a 5" x 5" base plate.		
28 16 11 00-0126	EA	73" Tall, Gooseneck Style, Dual Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls .....	635.84	39.68
		Note: Includes an 8" x 8" base plate.		
28 16 11 00-0127	EA	Anchor Post For 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls .....	314.31	39.68
		Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.		
28 16 11 00-0128		<b>4" x 4" Steel, Exterior Mounting Posts For Gate Operator Access Controls</b> (28 16 11 00-0123)		
28 16 11 00-0129	EA	59" Tall, Straight Style, Single Mount, 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls .....	604.73	47.61
		Note: Includes an 8" x 8" base plate.		
28 16 11 00-0130	EA	49" Tall, Offset Style, Single Mount, 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls .....	713.56	47.61
		Note: Includes an 8" x 8" base plate and a 14" offset from back of post.		
28 16 11 00-0131	EA	Anchor Post For 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls .....	453.86	47.61
		Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.		
28 16 11 00-0132		<b>4" x 8" Steel, Exterior Mounting Posts For Gate Operator Access Controls</b> (28 16 11 00-0123)		
28 16 11 00-0133	EA	59" Tall, Straight Style, Single Mount, 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls .....	1,887.47	59.51
		Note: Includes a 11" x 13" base plate.		
28 16 11 00-0134	EA	50" Tall, Offset Style, Single Mount, 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls .....	1,974.03	59.51
		Note: Includes a 10" x 14" base plate and a 14" offset from back of post.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0135	EA		Anchor Post For 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls ..... Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.	848.66	19.84
28 16 11 00-0136	EA		48" Light Tower For 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls.....	1,318.59	59.51
28 16 11 00-0137			<b>Magnetic Locks</b> (28 16 11) Note: Excludes access controls.		
28 16 11 00-0138			<b>Magnetic Door Locks</b> (28 16 11 00-0137)		
28 16 11 00-0139			<b>300 LB Magnetic Door Locks</b> (28 16 11 00-0138)		
28 16 11 00-0140	EA		Single Door, Surface Mount, 300 LB Magnetic Door Lock.....	511.08	108.38
28 16 11 00-0141			<b>600 LB Magnetic Door Locks</b> (28 16 11 00-0138)		
28 16 11 00-0142	EA		600 LB, Single Door, Surface Mount, Magnetic Door Lock..... For LED Status Indicator And Signal Relay, Add For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add For Mortise Mount, Deduct	715.13 62.30 124.60 -99.68	108.38
28 16 11 00-0143	EA		600 LB, Dual Doors, Surface Mount, Magnetic Door Lock ..... For LED Status Indicator And Signal Relay, Add For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	1,050.27 104.19 208.38	108.38
28 16 11 00-0144			<b>1,200 LB Magnetic Door Locks</b> (28 16 11 00-0138)		
28 16 11 00-0145	EA		1,200 LB, Single Door, Surface Mount, Magnetic Door Lock..... For LED Status Indicator And Signal Relay, Add For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	746.05 121.74 158.79	108.38
28 16 11 00-0146	EA		Dual Doors, Surface Mount, 1,200 LB Magnetic Door Lock ..... For LED Status Indicator And Signal Relay, Add For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	1,117.05 207.07 270.09	108.38
28 16 11 00-0147			<b>2,000 LB Shear Lock, Magnetic And Mechanical Locks</b> (28 16 11 00-0138) Note: Includes LED status indicator and built-in signal relay.		
28 16 11 00-0148	EA		Single Door, Mortise Mount, 2,000 LB Shear Lock, Magnetic And Mechanical Door Lock.....	779.44	108.38
28 16 11 00-0149			<b>Magnetic Gate Locks</b> (28 16 11 00-0137)		
28 16 11 00-0150			<b>600 LB Magnetic Gate Locks</b> (28 16 11 00-0149)		
28 16 11 00-0151	EA		600 LB Magnetic Gate Lock.....	592.70	108.38
28 16 11 00-0152			<b>1,200 LB Magnetic Gate Locks</b> (28 16 11 00-0149)		
28 16 11 00-0153	EA		1,200 LB Magnetic Gate Lock..... For LED Status Indicator And Signal Relay, Add For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add For Mortise Mount, Deduct	705.24 61.06 122.12 -97.70	108.38
28 16 11 00-0154			<b>Magnetic Lock Power Supply And Chargers</b> (28 16 11 00-0137) Note: Includes lockable metal enclosure, batteries, battery charger and electronically regulated outputs.		
28 16 11 00-0155	EA		12/24 Volt DC At 1 Ampere, Magnetic Lock Backup Power Supply And Charger .....	448.72	108.38
28 16 11 00-0156	EA		12/24 Volt DC At 2-1/2 Amperes, Magnetic Lock Backup Power Supply And Charger .....	560.85	108.38
28 16 11 00-0157	EA		12 Volt DC At 4 Amperes And 24 Volt DC At 3 Amperes, Magnetic Lock Backup Power Supply And Charger .....	626.80	108.38
28 16 11 00-0158	EA		12/24 Volt DC At 6 Amperes, Magnetic Lock Backup Power Supply And Charger.....	778.50	108.38
28 16 11 00-0159			<b>Access Control Accessories</b> (28 16 11)		
28 16 11 00-0160	EA		6 Volt DC, 12 Volt DC, Or 24 Volt DC, At 4 Amperes, Power Supply/Charger (Altronix SMP-5) .....	534.69	
28 16 11 00-0161	EA		7 Amperes, 12 Volt, Battery .....	69.44	
28 16 11 00-0162	EA		18 Amperes, 12 Volt, Battery .....	154.79	
28 16 11 00-0163	EA		Door Personality Module (Sensormatic RM-4).....	581.72	27.10
28 16 11 00-0164	EA		Mini-Alert Door Ajar Sounder (System Sensor PA400).....	240.44	54.18
28 16 11 00-0165	EA		Recessed Contact For Steel Doors, Door Monitor Switch (Sentrol 1078C) .....	75.32	32.51
28 16 11 00-0166	EA		Access Control Systems Power Supply (Altronix AL400ULACMCB).....	635.79	21.67
28 16 11 00-0167	EA		Surge Suppressor (Tripp-Lite IBAR4) .....	96.21	5.43
28 16 11 00-0168	EA		Door Strike Relay (Altronix RBSN-TTL).....	69.69	21.67
28 16 11 00-0169	EA		4" Diameter x 74" High, Powder Coated Steel, Burial Mount Gooseneck For Access Control Devices (GNB-1) .....	424.73	
28 16 11 00-0170	EA		Note: Set in concrete. 16-Zone Input, Door Controller Expansion Module With 16" SPI Cable (Kantech KT-MOD-INP16).....	583.01	135.46
28 16 11 00-0171			<b>Access Controllers</b> (28 16 11)		
28 16 11 00-0172			<b>Microterm Controller</b> (28 16 11 00-0171)		
28 16 11 00-0173	EA		Microterm Stand Alone One Or Two Door Processing Panel (Continental Instruments C1CP1100)..... Note: Up to 1,000 card capacity. Includes 2 alarm inputs, tamper alarm, and 3 relay outputs.	1,475.86	135.46
28 16 11 00-0174	EA		Microterm PC Board (Continental Instruments C1CP1100PCB) .....	1,060.87	81.28
28 16 11 00-0175	EA		Battery Standby For Microterm (Continental Instruments C1CP1100BAT-2) .....	501.49	
28 16 11 00-0176			<b>Miniterm Controller</b> (28 16 11 00-0171)		

**28 Electronic Safety and Security****28 10 Access Control****28 16 Access Control Interfaces**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
28 16 11 00-0177	EA	Miniterm Two Reader Processing Panel (Continental Instrument CICIP1200) ..... Note: Up to 3,000 card capacity. Includes 8 EOL Class A supervised alarm inputs, temper alarm, and 5 relay outputs. Complete in a lockable steel enclosure with battery standby for memory and system operation.	2,303.10		135.46
28 16 11 00-0178	EA	Miniterm PC Board (Continental Instrument CICIP1200PCB) .....	1,737.00		81.28
<b>28 16 11 00-0179</b>		<b>Super-2 Controller</b> <small>(28 16 11 00-0171)</small>			
28 16 11 00-0180	EA	Super-Two - Two Reader Processing Panel (Continental Instruments CICIP1300) ..... Note: For use with CA3000 V2.0.25 and above. Up to a 125,000 card capacity, 8 EOL supervised alarm inputs, tamper, 5 relay outputs. Support for on-board LAN adapter, 57,600 baud rate, 6 access groups per card-holder and compressed data mode. Complete in a lockable steel enclosure with battery standby for memory and system operation.	1,708.35		135.46
28 16 11 00-0181	EA	Super-Two - PC Board (Continental Instruments CICIP1300BD) .....	1,168.58		81.28
28 16 11 00-0182	EA	Network Interface Board For Super-2 (Continental Instruments CICIP1300NETBD)..... Note: Optional on-board adapter allows for communication over TCP/IP.	326.51		81.28
<b>28 16 11 00-0183</b>		<b>Smarterm Controller</b> <small>(28 16 11 00-0171)</small>			
28 16 11 00-0184	EA	Smarterm Four Reader Processing Panel (Continental Instrument CICIP1400) ..... Note: Card capacity up to 2,500. Includes 16 alarm inputs, tamper alarm, and 9 relay outputs. Complete in a lockable steel enclosure with battery standby for memory and system operation.	4,825.19		162.56
28 16 11 00-0185	EA	Smarterm PC Board (Continental Instrument CICIP1400PCB) .....	3,707.82		81.28
28 16 11 00-0186	EA	Smarterm Memory Board - 256K (Continental Instrument CICIP1400MB256-1)..... Note: Up to 10,000 cardholders.	1,445.30		81.28
28 16 11 00-0187	EA	Smarterm Memory Board - 2MB (Continental Instrument CICIP1400MB2-1)..... Note: Up to 50,000 cardholders.	2,053.02		81.28
28 16 11 00-0188	EA	Smarterm Relay Expander Board (Continental Instrument CICIP1400RB) .....	1,597.64		81.28
28 16 11 00-0189	EA	Smarterm Alarm Expander Board (Continental Instrument CICIP1400RB)..... Note: (Supervised) 16 alarm inputs.	1,597.64		81.28
<b>28 16 11 00-0190</b>		<b>Superterm-4 Controller</b> <small>(28 16 11 00-0171)</small>			
28 16 11 00-0191	EA	Superterm-4 - Four Reader Processing Panel (Continental Instrument CICIP1400UL)..... Note: 20,000 card capacity, 12 supervised alarm inputs, tamper alarm, and 9 relay outputs. Complete in a painted steel enclosure with 7 AH battery standby for system operation.	4,454.33		162.56
28 16 11 00-0192	EA	Superterm-4 PC Board (Continental Instrument CICIP1400ULPCB).....	3,645.49		81.28
<b>28 16 11 00-0193</b>		<b>Superterm-8 Controller</b> <small>(28 16 11 00-0171)</small>			
28 16 11 00-0194	EA	Superterm-8 - Eight Reader Processing Panel (Continental Instrument CICIP1800) ..... Note: Up to 20,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including 7 AH battery standby for memory and system operation.	5,933.23		270.94
28 16 11 00-0195	EA	Superterm-8 - Eight Reader Processing Panel, Expanded Power (Continental Instrument CICIP1800EXP)..... Note: With expanded power supply. (required if more than 1 relay expander board is used.) Up to 20,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including 7 AH battery standby for memory and system operation.	6,439.66		270.94
28 16 11 00-0196	EA	Superterm-8 PC Board (Continental Instrument CICIP1800PCB) .....	4,907.64		81.28
<b>28 16 11 00-0197</b>		<b>Turbo Superterm-4 Controller</b> <small>(28 16 11 00-0171)</small>			
28 16 11 00-0198	EA	Turbo Superterm-4 - Four Reader Processing Panel (Continental Instrument CICIP1400ULT)..... Note: 20,000 Card capacity, 12 supervised alarm inputs, tamper alarm, and 9 relay outputs. Complete in a painted steel enclosure with 7 AH battery standby for system operation.	4,454.33		162.56
28 16 11 00-0199	EA	Turbo Superterm-4 PC Board (Continental Instrument CICIP1400ULTPCB) .....	3,645.49		81.28
<b>28 16 11 00-0200</b>		<b>Turbo Superterm-8 Controller</b> <small>(28 16 11 00-0171)</small>			
28 16 11 00-0201	EA	Turbo Superterm-8 - Eight Reader Processing Panel (Continental Instrument CICIP1800T)..... Note: For use with CA3000 V2.0.25 and above. Up to 40,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including a 7 AH battery standby for memory and system operation.	5,933.23		270.94
28 16 11 00-0202	EA	Turbo Superterm-8 -Eight Reader Processing Panel, Expanded Power (Continental Instrument CICIP1800TEXP) ..... Note: Required if more than one relay expander board is used. Up to 40,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including a 7 AH battery standby for memory and system operation.	6,439.66		270.94
28 16 11 00-0203	EA	Turbo Superterm-8 PC Board (Continental Instrument CICIP1800TPCB).....	4,907.64		81.28
28 16 11 00-0204	EA	Superterm Memory Board - 2MB (Continental Instrument CICIP1800MB2) .....	2,053.02		81.28
28 16 11 00-0205	EA	Turbo/Superterm-8 Memory Board - 2MB (Continental Instrument CICIP1800MB2X2) .....	1,728.89		81.28
28 16 11 00-0206	EA	Turbo Superterm-8 Relay Expander Board (Continental Instrument CICIP1800RB)..... Note: 16 Output relays, 8 alarm inputs.	1,599.28		81.28
28 16 11 00-0207	EA	Turbo Superterm-8 Alarm Expander Board (Continental Instrument CICIP1800RB)..... Note: (Supervised) 16 Alarm inputs.	1,599.28		81.28
28 16 11 00-0208	EA	Expanded Power Supply For Superterm Or Turbo Superterm (Continental Instrument CICIP1800PPWS).....	649.59		
<b>28 16 11 00-0209</b>		<b>Intelligent Controller</b> <small>(28 16 11 00-0171)</small>			
28 16 11 00-0210	EA	Intelligent Controller With Paired Reader Interface for One Physical Barrier (Mercury Security EP-1501).....	1,148.59		81.28
28 16 11 00-0211	EA	Up To 64 Doors, Access Controller (Mercury Security EP-1502) .....	1,988.02		135.46
<b>28 16 11 00-0212</b>		<b>Access Control Bundled System</b> <small>(28 16 11)</small>			



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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28 16 11 00-0213 EA CA 3000 Bundled System, Supports 25 Users (Continental Instrument CA3B250P4O3V0R0) ..... 32,220.46  
 Note: System includes PC, monitor, keyboard, mouse, OS, Card Access 3000 file server software, MS SQL 2000, 1 SQL host license, and security key.

**28 16 11 00-0214 Master Door Buzzer Stations (28 16 11)**
**28 16 11 00-0215 Master Stations (28 16 11 00-0214)**

28 16 11 00-0216	EA		Master Stations, 5 Station Intercommunication Equipment .....	980.17	169.07
28 16 11 00-0217	EA		Master Stations, 10 Station Intercommunication Equipment .....	1,481.43	327.29
28 16 11 00-0218	EA		Master Station, Desk Style Remote Intercommunication Equipment .....	422.67	84.53
28 16 11 00-0219	EA		Master Station, Flush Wall Remote Intercommunication Equipment .....	544.82	140.89
28 16 11 00-0220	EA		Sound System Outlet, Protector .....	142.08	55.17
28 16 11 00-0221	EA		Sound System Microphone Outlet .....	250.47	112.93
28 16 11 00-0222	EA		Ceiling Or Wall, Sound System Speaker .....	187.95	55.17
28 16 11 00-0223	EA		Sound System Monitor Panel .....	543.45	112.93
28 16 11 00-0224	EA		Sound System Volume Control .....	163.23	55.17
28 16 11 00-0225	EA		250 Watt, Sound System Amplifier .....	2,505.90	451.60
28 16 11 00-0226	EA		Sound System Cabinet .....	1,485.50	451.60

**28 16 11 00-0227 Master Door Stations (28 16 11 00-0214)**

28 16 11 00-0228	EA		Master Door Stations, Button Buzzer Type, 25 Station .....	2,209.79	
			<i>For Intercom Type Master Door Station, Add</i> .....	176.23	
28 16 11 00-0229	EA		Master Door Stations, Button Buzzer Type, 50 Station .....	3,660.99	
			<i>For Intercom Type Master Door Station, Add</i> .....	285.49	
28 16 11 00-0230	EA		Master Door Stations, Button Buzzer Type, 75 Station .....	5,028.20	
			<i>For Intercom Type Master Door Station, Add</i> .....	370.08	
28 16 11 00-0231	EA		Master Door Stations, Button Buzzer Type, 100 Station .....	5,745.63	
			<i>For Intercom Type Master Door Station, Add</i> .....	433.52	
28 16 11 00-0232	EA		Master Door Stations, Button Buzzer Type, 150 Station .....	6,952.86	
			<i>For Intercom Type Master Door Station, Add</i> .....	634.42	
28 16 11 00-0233	EA		Master Door Stations, Button Buzzer Type, 200 Station .....	8,144.36	
			<i>For Intercom Type Master Door Station, Add</i> .....	817.70	
28 16 11 00-0234	EA		Master Door Stations, Button Buzzer Type, 250 Station .....	10,247.51	
			<i>For Intercom Type Master Door Station, Add</i> .....	1,057.37	
28 16 11 00-0235	EA		Master Door Stations, Button Buzzer Type, 300 Station .....	12,251.64	
			<i>For Intercom Type Master Door Station, Add</i> .....	1,212.44	
28 16 11 00-0236	EA		Transformer .....	154.20	
28 16 11 00-0237	EA		Door Opener .....	228.32	
28 16 11 00-0238	EA		Buzzer With Door Release And Plate .....	282.54	
28 16 11 00-0239	EA		Amplifier For Intercom Type Unit .....	455.59	
28 16 11 00-0240	EA		Speaker With Door Release .....	192.38	

**28 16 11 00-0241 Request To Exit Detector (28 16 11)**

28 16 11 00-0242	EA		Request-To-Exit Detector; Bosch DS160 .....	214.05	84.53
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**28 16 11 00-0243 Access Power Controllers (28 16 11)**

28 16 11 00-0244	EA		26" x 19" x 6.25" Access Power Controller Enclosure; A Tronix; Maim 75D .....	1,465.51	99.71
			Note: Includes power supply		

**28 18 Security Access Detection Equipment (28 10)**
**28 18 11 Security Access Metal Detectors (28 18)**

28 18 11 00-0001	EA		Handheld Scanner (Garrett Super Scanner V) .....	230.55	27.10
28 18 11 00-0002	EA		Single-Zone, Walk-Through Metal Detector, Complete Unit (Garrett CS 5000) .....	3,708.17	325.12
28 18 11 00-0003	EA		Multi-Zone, Walk-Through Metal Detector, Complete Unit (Garrett PD 6500I) .....	5,716.56	433.49

**28 20 Video Surveillance (28)**

Note: Includes testing of new devices and certification.

**28 21 Surveillance Cameras (28 20)**
**28 21 31 Proprietary Surveillance Camera Systems (28 21)**

Note: Includes programming of equipment, testing and certification of new devices.

28 21 31 00-0001			Closed Circuit Television And Surveillance Systems (Pelco) (28 21 31)		
28 21 31 00-0002			Cameras And Accessories (28 21 31 00-0001)		
28 21 31 00-0003			Cameras (28 21 31 00-0002)		
28 21 31 00-0004			Compact, 1/3" Format Cameras (28 21 31 00-0003)		
28 21 31 00-0005			High Resolution Color, Compact, 1/3" Format Cameras (28 21 31 00-0004)		
28 21 31 00-0006	EA		High Resolution Day/Night, Compact, 1/3" Format Camera (Pelco C10DN-6) .....	551.67	27.15
28 21 31 00-0007			Day/Night, Compact, 1/3" Format Cameras (28 21 31 00-0004)		
28 21 31 00-0008	EA		High Resolution Color, Compact, 1/3" Format Camera (Pelco C10CH-6) .....	326.08	27.15

**28 Electronic Safety and Security****28 20 Video Surveillance****28 21 Surveillance Cameras**
 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

 MINOR  
 CSI UOM DESCRIPTION

		MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0009					<b>Camerapaks</b> (28 21 31 00-0002) Note: Includes camera and lens.		
28 21 31 00-0010					<b>Camerapaks</b> (28 21 31 00-0009)		
28 21 31 00-0011					<b>High Resolution Color, Camerapaks</b> (28 21 31 00-0010)		
28 21 31 00-0012					<b>Fixed Focus, High Resolution Color, Camerapaks</b> (28 21 31 00-0011)		
28 21 31 00-0013					<b>Manual Iris, Fixed Focus, High Resolution Color, Camerapaks</b> (28 21 31 00-0012)		
28 21 31 00-0014	EA				2.3 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.3) .....	423.93	27.15
28 21 31 00-0015	EA				2.8 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.8) .....	398.56	27.15
28 21 31 00-0016	EA				4 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F4) .....	386.78	27.15
28 21 31 00-0017	EA				8 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F8) .....	384.06	27.15
28 21 31 00-0018					<b>Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapaks</b> (28 21 31 00-0012)		
28 21 31 00-0019	EA				2.3 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.3A).....	461.98	27.15
28 21 31 00-0020	EA				2.8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.8A).....	423.93	27.15
28 21 31 00-0021	EA				4 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F4A).....	414.87	27.15
28 21 31 00-0022	EA				8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F8A).....	407.62	27.15
28 21 31 00-0023					<b>Varifocal, High Resolution Color, Camerapaks</b> (28 21 31 00-0011)		
28 21 31 00-0024					<b>Manual Iris, Varifocal, High Resolution Color, Camerapaks</b> (28 21 31 00-0023)		
28 21 31 00-0025	EA				1-3 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V1).....	499.13	27.15
28 21 31 00-0026	EA				2.5-6 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V2).....	450.20	27.15
28 21 31 00-0027	EA				2.8-12 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V21).....	410.34	27.15
28 21 31 00-0028	EA				3-8 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V3).....	394.03	27.15
28 21 31 00-0029	EA				5-40 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V5).....	454.73	27.15
28 21 31 00-0030					<b>Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapaks</b> (28 21 31 00-0023)		
28 21 31 00-0031	EA				1-3 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V1A).....	538.99	27.15
28 21 31 00-0032	EA				2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V2A).....	505.47	27.15
28 21 31 00-0033	EA				2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V21A).....	448.39	27.15
28 21 31 00-0034	EA				3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V3A).....	400.37	27.15
28 21 31 00-0035	EA				5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V5A).....	473.76	27.15
28 21 31 00-0036	EA				5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V50A).....	535.37	27.15
28 21 31 00-0037	EA				5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V55A).....	614.19	27.15
28 21 31 00-0038					<b>Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapaks</b> (28 21 31 00-0023)		
28 21 31 00-0039	EA				3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6R3A) .....	421.21	27.15
28 21 31 00-0040	EA				7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6R75A).....	503.66	27.15
28 21 31 00-0041					<b>High Resolution Day/Night, Camerapaks</b> (28 21 31 00-0010)		
28 21 31 00-0042					<b>Varifocal, High Resolution Day/Night, Camerapaks</b> (28 21 31 00-0041)		
28 21 31 00-0043					<b>Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapaks</b> (28 21 31 00-0042)		
28 21 31 00-0044	EA				2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V2A) .....	851.56	27.15
28 21 31 00-0045	EA				2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V21A) .....	794.48	27.15
28 21 31 00-0046	EA				3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V3A) .....	746.46	27.15
28 21 31 00-0047	EA				5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V5A) .....	819.85	27.15
28 21 31 00-0048	EA				5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V50A) .....	881.46	27.15
28 21 31 00-0049	EA				5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V55A) .....	959.37	27.15
28 21 31 00-0050					<b>Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapaks</b> (28 21 31 00-0042)		
28 21 31 00-0051	EA				3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6R3A) .....	767.30	27.15
28 21 31 00-0052	EA				7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6R75A).....	849.75	27.15
28 21 31 00-0053					<b>Compact Camerapaks</b> (28 21 31 00-0009)		
28 21 31 00-0054					<b>High Resolution Color, Compact Camerapaks</b> (28 21 31 00-0053)		
28 21 31 00-0055					<b>DSS, High Resolution Color, Compact Camerapaks</b> (28 21 31 00-0054)		
28 21 31 00-0056					<b>Fixed Focus, DSS, High Resolution Color, Camerapaks</b> (28 21 31 00-0055)		
28 21 31 00-0057					<b>Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapaks</b> (28 21 31 00-0056)		
28 21 31 00-0058	EA				2.3 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.3).....	660.39	27.15
28 21 31 00-0059	EA				2.8 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.8).....	635.03	27.15
28 21 31 00-0060	EA				4 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F4).....	622.34	27.15
28 21 31 00-0061	EA				8 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F8).....	619.62	27.15

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

28 21 31 00-0062			<b>Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapaks</b> <small>(28 21 31 00-0066)</small>		
28 21 31 00-0063	EA		2.3 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.3A).....	697.54	27.15
28 21 31 00-0064	EA		2.8 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.8A).....	660.39	27.15
28 21 31 00-0065	EA		4 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F4A).....	651.33	27.15
28 21 31 00-0066	EA		8 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F8A).....	644.09	27.15
28 21 31 00-0067			<b>Varifocal, DSS, High Resolution Color, Camerapaks</b> <small>(28 21 31 00-0055)</small>		
28 21 31 00-0068			<b>Manual Iris, Varifocal, DSS, High Resolution Color, Camerapaks</b> <small>(28 21 31 00-0067)</small>		
28 21 31 00-0069	EA		1-3 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V1).....	735.59	27.15
28 21 31 00-0070	EA		2.5-6 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V2).....	685.76	27.15
28 21 31 00-0071	EA		2.8-12 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V21).....	646.80	27.15
28 21 31 00-0072	EA		3-8 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V3).....	630.50	27.15
28 21 31 00-0073	EA		5-40 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V5).....	690.29	27.15
28 21 31 00-0074	EA		5-50 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V50).....	729.25	27.15
28 21 31 00-0075	EA		5.5-82.5 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V55).....	821.66	27.15
28 21 31 00-0076			<b>Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapaks</b> <small>(28 21 31 00-0067)</small>		
28 21 31 00-0077	EA		1-3 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V1A).....	774.55	27.15
28 21 31 00-0078	EA		2.5-6 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V2A).....	741.93	27.15
28 21 31 00-0079	EA		2.8-12 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V21A).....	684.86	27.15
28 21 31 00-0080	EA		3-8 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V3A).....	635.93	27.15
28 21 31 00-0081	EA		5-40 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V5A).....	710.22	27.15
28 21 31 00-0082	EA		5-50 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V50A).....	771.83	27.15
28 21 31 00-0083	EA		5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V55A).....	849.75	27.15
28 21 31 00-0084			<b>Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapaks</b> <small>(28 21 31 00-0067)</small>		
28 21 31 00-0085	EA		3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2R3A).....	657.68	27.15
28 21 31 00-0086	EA		7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2R75A).....	740.12	27.15
28 21 31 00-0087			<b>EDR, High Resolution Color, Compact Camerapaks</b> <small>(28 21 31 00-0054)</small>		
28 21 31 00-0088			<b>Fixed Focus, EDR, High Resolution Color, Camerapaks</b> <small>(28 21 31 00-0087)</small>		
28 21 31 00-0089			<b>Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapaks</b> <small>(28 21 31 00-0088)</small>		
28 21 31 00-0090	EA		2.3 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.3).....	660.39	27.15
28 21 31 00-0091	EA		2.8 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.8).....	493.69	27.15
28 21 31 00-0092	EA		4 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F4).....	481.01	27.15
28 21 31 00-0093	EA		8 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F8).....	478.29	27.15
28 21 31 00-0094			<b>Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapaks</b> <small>(28 21 31 00-0088)</small>		
28 21 31 00-0095	EA		2.3 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.3A).....	556.20	27.15
28 21 31 00-0096	EA		2.8 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.8A).....	519.06	27.15
28 21 31 00-0097	EA		4 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F4A).....	510.00	27.15
28 21 31 00-0098	EA		8 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F8A).....	510.00	27.15
28 21 31 00-0099			<b>Varifocal, EDR, High Resolution Color, Camerapaks</b> <small>(28 21 31 00-0087)</small>		
28 21 31 00-0100			<b>Manual Iris, Varifocal, EDR, High Resolution Color, Camerapaks</b> <small>(28 21 31 00-0099)</small>		
28 21 31 00-0101	EA		1-3 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V1).....	594.26	27.15
28 21 31 00-0102	EA		2.5-6 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V2).....	544.43	27.15
28 21 31 00-0103	EA		2.8-12 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V21).....	505.47	27.15
28 21 31 00-0104	EA		3-8 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V3).....	489.16	27.15
28 21 31 00-0105	EA		5-40 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V5).....	548.96	27.15
28 21 31 00-0106	EA		5-50 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V50).....	587.91	27.15
28 21 31 00-0107	EA		5.5-82.5 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V55).....	680.33	27.15
28 21 31 00-0108			<b>Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapaks</b> <small>(28 21 31 00-0099)</small>		
28 21 31 00-0109	EA		1-3 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V1A).....	633.21	27.15
28 21 31 00-0110	EA		2.5-6 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V2A).....	600.60	27.15
28 21 31 00-0111	EA		2.8-12 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V21A).....	542.61	27.15
28 21 31 00-0112	EA		3-8 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V3A).....	494.60	27.15
28 21 31 00-0113	EA		5-40 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V5A).....	568.89	27.15
28 21 31 00-0114	EA		5-50 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V50A).....	630.50	27.15
28 21 31 00-0115	EA		5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V55A).....	708.41	27.15
28 21 31 00-0116			<b>Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapaks</b> <small>(28 21 31 00-0099)</small>		

**28 Electronic Safety and Security****28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
28 21 31 00-0117	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2R3A) .....	516.34		27.15
28 21 31 00-0118	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2R75A) .....	598.79		27.15
28 21 31 00-0119		<b>High Resolution Day/Night, Compact Camerapaks</b> (28 21 31 00-0053)			
28 21 31 00-0120		<b>Fixed Focus, High Resolution Day/Night, Compact Camerapaks</b> (28 21 31 00-0119)			
28 21 31 00-0121		<b>Manual Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapaks</b> (28 21 31 00-0120)			
28 21 31 00-0122	EA	8 mm, Manual Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F8) .....	609.66		27.15
28 21 31 00-0123		<b>DC-Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapaks</b> (28 21 31 00-0120)			
28 21 31 00-0124	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F2.3A) .....	687.57		27.15
28 21 31 00-0125	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F2.8A) .....	649.52		27.15
28 21 31 00-0126		<b>Varifocal, High Resolution Day/Night, Compact Camerapaks</b> (28 21 31 00-0119)			
28 21 31 00-0127		<b>Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks</b> (28 21 31 00-0126)			
28 21 31 00-0128	EA	2.8-12 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V21) .....	635.93		27.15
28 21 31 00-0129	EA	3-8 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V3) .....	619.62		27.15
28 21 31 00-0130	EA	5-50 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V50) .....	719.28		27.15
28 21 31 00-0131		<b>Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks</b> (28 21 31 00-0126)			
28 21 31 00-0132	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V2A) .....	731.06		27.15
28 21 31 00-0133	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V21A) .....	673.98		27.15
28 21 31 00-0134	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V3A) .....	625.97		27.15
28 21 31 00-0135	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V5A) .....	699.35		27.15
28 21 31 00-0136	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V50A) .....	760.96		27.15
28 21 31 00-0137	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V55A) .....	839.78		27.15
28 21 31 00-0138		<b>Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks</b> (28 21 31 00-0126)			
28 21 31 00-0139	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6R3A) .....	646.80		27.15
28 21 31 00-0140	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6R75A) .....	729.25		27.15
28 21 31 00-0141		<b>Camera Systems</b> (28 21 31 00-0002)			
28 21 31 00-0142		<b>Camera Dome Systems</b> (28 21 31 00-0141)			
28 21 31 00-0143		<b>Spectra®, Pan/Tilt Camera Dome Systems</b> (28 21 31 00-0142)			
28 21 31 00-0144		<b>Spectra®, Pan/Tilt Camera Dome Systems</b> (28 21 31 00-0143) Note: Includes dome drive, camera, lens, back box, clear or smoked lower dome and mounting hardware.			
28 21 31 00-0145		<b>Spectra® IV, Pan/Tilt Camera Dome Systems</b> (28 21 31 00-0144)			
28 21 31 00-0146		<b>Black And White, Spectra® IV, Pan/Tilt Camera Dome Systems</b> (28 21 31 00-0145)			
28 21 31 00-0147	EA	22X, Surface Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-SMB) .....	2,706.69		162.86
28 21 31 00-0148	EA	22X, In-Ceiling Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-F) .....	3,078.15		162.86
28 21 31 00-0149	EA	22X, Pendant Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PB) .....	3,244.85		162.86
28 21 31 00-0150	EA	22X, Environmental Pendant Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PG-E) .....	4,491.51		162.86
28 21 31 00-0151		<b>Color, Spectra® IV, Pan/Tilt Camera Dome Systems</b> (28 21 31 00-0145)			
28 21 31 00-0152	EA	16X, Surface Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-SMB) .....	2,285.40		162.86
28 21 31 00-0153	EA	16X, In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-F) .....	2,472.94		162.86
28 21 31 00-0154	EA	16X, Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PB) .....	2,640.55		162.86
28 21 31 00-0155	EA	16X, Environmental In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-F-E) .....	2,736.59		162.86
28 21 31 00-0156	EA	16X, Environmental Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PG-E) .....	2,736.59		162.86
28 21 31 00-0157	EA	22X, Surface Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-SMB) .....	2,866.14		162.86
28 21 31 00-0158	EA	22X, In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-F) .....	3,238.51		162.86
28 21 31 00-0159	EA	22X, Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PB) .....	3,406.12		162.86
28 21 31 00-0160	EA	22X, Environmental In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-F-E) .....	3,502.16		162.86
28 21 31 00-0161	EA	22X, Environmental Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PG-E) .....	3,502.16		162.86

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>28 21 31 00-0162</b> Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome Systems <small>(28 21 31 00-0145)</small>		
28 21 31 00-0163 EA 23X, Surface Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-SMB) .....	3,330.92	162.86
28 21 31 00-0164 EA 23X, In-Ceiling Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-F) .....	3,703.29	162.86
28 21 31 00-0165 EA 23X, Pendant Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PB) .....	3,870.90	162.86
28 21 31 00-0166 EA 23X, Environmental In-Ceiling Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-F-E) .....	3,966.93	162.86
28 21 31 00-0167 EA 23X, Environmental Pendant Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PG-E) .....	3,966.93	162.86
<b>28 21 31 00-0168</b> Day/Night, Spectra® IV, Pan/Tilt Camera Dome Systems <small>(28 21 31 00-0145)</small>		
28 21 31 00-0169 EA 18X, Surface Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-SMB) .....	3,026.51	162.86
28 21 31 00-0170 EA 18X, In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-F) .....	3,214.95	162.86
28 21 31 00-0171 EA 18X, Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PB) .....	3,381.66	162.86
28 21 31 00-0172 EA 18X, Environmental In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-F-E) .....	3,477.69	162.86
28 21 31 00-0173 EA 18X, Environmental Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PG-E) .....	3,477.69	162.86
28 21 31 00-0174 EA 35X, Surface Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-SMB) .....	3,636.24	162.86
28 21 31 00-0175 EA 35X, In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-F) .....	3,932.51	162.86
28 21 31 00-0176 EA 35X, Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PB) .....	4,099.21	162.86
28 21 31 00-0177 EA 35X, Environmental In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-F-E) .....	4,195.25	162.86
28 21 31 00-0178 EA 35X, Environmental Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PG-E) .....	4,195.25	162.86
<b>28 21 31 00-0179</b> Heavy Duty Spectra® IV, Pan/Tilt Camera Dome Systems <small>(28 21 31 00-0144)</small>		
<b>28 21 31 00-0180</b> Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome Systems <small>(28 21 31 00-0179)</small>		
28 21 31 00-0181 EA 16X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HF) .....	2,962.18	162.86
<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0182 EA 16X, Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HP) .....	3,123.45	162.86
<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0183 EA 16X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HPE) .....	3,252.10	162.86
<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0184 EA 22X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HF) .....	3,671.58	162.86
<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0185 EA 22X, Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HP) .....	3,832.85	162.86
<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0186 EA 22X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HPE) .....	3,962.40	162.86
<i>For Protective Lower Dome Cage, Add</i>	34.65	
<b>28 21 31 00-0187</b> Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome Systems <small>(28 21 31 00-0179)</small>		
28 21 31 00-0188 EA 18X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HF) .....	3,703.29	162.86
<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0189 EA 18X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HP) .....	3,864.56	162.86
<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0190 EA 18X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HPE) .....	3,994.11	162.86
<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0191 EA 35X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HF) .....	4,365.57	162.86
<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0192 EA 35X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HP) .....	4,525.94	162.86
<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0193 EA 35X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HPE) .....	4,655.49	162.86
<i>For Protective Lower Dome Cage, Add</i>	34.65	
<b>28 21 31 00-0194</b> Pressurized Spectra® IV, Pan/Tilt Camera Dome Systems <small>(28 21 31 00-0144)</small>		
<b>28 21 31 00-0195</b> Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome Systems <small>(28 21 31 00-0194)</small>		
28 21 31 00-0196 EA 18X, Environmental Pendant Mount, Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PRE) .....	4,892.87	162.86
28 21 31 00-0197 EA 35X, Environmental Pendant Mount, Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PRE) .....	5,555.15	162.86
<b>28 21 31 00-0198</b> Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems <small>(28 21 31 00-0144)</small>		
<b>28 21 31 00-0199</b> Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems <small>(28 21 31 00-0198)</small>		
28 21 31 00-0200 EA 22X, Environmental Pendant Mount, Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PSGE) .....	4,256.85	162.86
<b>28 21 31 00-0201</b> Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems <small>(28 21 31 00-0198)</small>		
28 21 31 00-0202 EA 16X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PSGE) .....	3,707.82	162.86
28 21 31 00-0203 EA 22X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PSGE) .....	4,418.12	162.86

**28 Electronic Safety and Security****28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
28 21 31 00-0204		Color/Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems <small>(28 21 31 00-0198)</small>			
28 21 31 00-0205	EA	23X, Environmental Pendant Mount, Color/Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PSGE).....	4,882.90		162.86
28 21 31 00-0206		Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems <small>(28 21 31 00-0198)</small>			
28 21 31 00-0207	EA	18X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PSGE).....	4,449.83		162.86
28 21 31 00-0208	EA	35X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PSGE).....	5,111.21		162.86
28 21 31 00-0209		Miniature Spectra®, Mini Pan/Tilt Camera Dome Systems <small>(28 21 31 00-0144)</small>			
28 21 31 00-0210		Color, Miniature Spectra®, Mini Pan/Tilt Camera Dome Systems <small>(28 21 31 00-0209)</small>			
28 21 31 00-0211	EA	10X, In-Ceiling Mount, Color, Miniature Spectra®, Mini Pan/Tilt Camera Dome System (Pelco SD4-B).....	1,718.24		162.86
28 21 31 00-0212		Spectra® IP Network, Pan/Tilt Camera Dome Systems <small>(28 21 31 00-0143)</small> Note: Includes simultaneous IP and analog video and control, dome drive, camera, lens, back box, clear or smoked lower dome and mounting hardware.			
28 21 31 00-0213		Spectra® IV IP Network, Pan/Tilt Camera Dome Systems <small>(28 21 31 00-0212)</small>			
28 21 31 00-0214		Color, Spectra® IV IP Network, Pan/Tilt Camera Dome Systems <small>(28 21 31 00-0213)</small>			
28 21 31 00-0215	EA	16X, In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-F).....	3,149.72		162.86
28 21 31 00-0216	EA	16X, Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-PB).....	3,317.33		162.86
28 21 31 00-0217	EA	16X, Environmental In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-F-E).....	3,413.37		162.86
28 21 31 00-0218	EA	16X, Environmental Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-PG-E).....	3,413.37		162.86
28 21 31 00-0219	EA	22X, In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-F1).....	3,915.29		162.86
28 21 31 00-0220	EA	22X, Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-PB-1).....	4,082.90		162.86
28 21 31 00-0221	EA	22X, Environmental In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-F-E1).....	4,178.94		162.86
28 21 31 00-0222	EA	22X, Environmental Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-PG-E1).....	4,178.94		162.86
28 21 31 00-0223		Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome Systems <small>(28 21 31 00-0213)</small>			
28 21 31 00-0224	EA	23X, In-Ceiling Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-F1).....	4,380.07		162.86
28 21 31 00-0225	EA	23X, Pendant Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-PB-1).....	4,547.68		162.86
28 21 31 00-0226	EA	23X, Environmental In-Ceiling Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-F-E1).....	4,643.72		162.86
28 21 31 00-0227	EA	23X, Environmental Pendant Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-PG-E1).....	4,643.72		162.86
28 21 31 00-0228		Heavy Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems <small>(28 21 31 00-0212)</small>			
28 21 31 00-0229		Color, Heavy Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems <small>(28 21 31 00-0228)</small>			
28 21 31 00-0230	EA	16X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HF1).....	3,638.96		162.86
		For Protective Lower Dome Cage, Add	34.65		
28 21 31 00-0231	EA	16X, Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HP1).....	3,800.23		162.86
		For Protective Lower Dome Cage, Add	34.65		
28 21 31 00-0232	EA	16X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HPE1).....	3,928.88		162.86
		For Protective Lower Dome Cage, Add	34.65		
28 21 31 00-0233	EA	22X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HF1).....	4,348.36		162.86
		For Protective Lower Dome Cage, Add	34.65		
28 21 31 00-0234	EA	22X, Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HP1).....	4,509.63		162.86
		For Protective Lower Dome Cage, Add	34.65		
28 21 31 00-0235	EA	22X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HPE1).....	4,639.19		162.86
		For Protective Lower Dome Cage, Add	34.65		
28 21 31 00-0236		Day/Night, Heavy Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems <small>(28 21 31 00-0228)</small>			
28 21 31 00-0237	EA	18X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HF1).....	4,380.07		162.86
		For Protective Lower Dome Cage, Add	34.65		
28 21 31 00-0238	EA	18X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HP1).....	4,541.34		162.86
		For Protective Lower Dome Cage, Add	34.65		
28 21 31 00-0239	EA	18X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HPE1).....	4,670.90		162.86
		For Protective Lower Dome Cage, Add	34.65		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0240	EA		35X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HF1) ..... <i>For Protective Lower Dome Cage, Add</i>	5,042.36 34.65	162.86
28 21 31 00-0241	EA		35X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HP1) ..... <i>For Protective Lower Dome Cage, Add</i>	5,202.72 34.65	162.86
28 21 31 00-0242	EA		35X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HPE1) ..... <i>For Protective Lower Dome Cage, Add</i>	5,332.28 34.65	162.86
28 21 31 00-0243			<b>Stainless Steel Spectra® IV IP Network, Pan/Tilt Camera Dome Systems</b> <small>(28 21 31 00-0212)</small>		
28 21 31 00-0244			<b>Color, Stainless Steel Spectra® IV IP Network, Camera Dome Systems</b> <small>(28 21 31 00-0243)</small>		
28 21 31 00-0245	EA		16X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-PSGE1).....	4,384.60	162.86
28 21 31 00-0246	EA		22X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-PSGE1).....	5,094.90	162.86
28 21 31 00-0247			<b>Color/Black And White, Stainless Steel Spectra® IV IP Network, Camera Dome Systems</b> <small>(28 21 31 00-0243)</small>		
28 21 31 00-0248	EA		23X, Environmental Pendant Mount, Color/Black And White, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-PSGE1).....	5,559.68	162.86
28 21 31 00-0249			<b>Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome Systems</b> <small>(28 21 31 00-0243)</small>		
28 21 31 00-0250	EA		18X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-PSGE1).....	5,126.61	162.86
28 21 31 00-0251	EA		35X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-PSGE1).....	5,787.99	162.86
28 21 31 00-0252			<b>Miniature Spectra® IP Network, Mini Pan/Tilt Camera Dome Systems</b> <small>(28 21 31 00-0212)</small>		
28 21 31 00-0253			<b>Color, Miniature Spectra® IP Network, Mini Camera Dome Systems</b> <small>(28 21 31 00-0252)</small>		
28 21 31 00-0254	EA		10X, In-Ceiling Mount, Color, Miniature Spectra® IP Network, Black Mini Camera Dome System (Pelco SD4N-W1).....	2,154.93	162.86
28 21 31 00-0255			<b>Spectra®, Pan/Tilt Dome Drives</b> <small>(28 21 31 00-0143)</small> Note: Includes dome drive, camera and lens.		
28 21 31 00-0256	EA		10X, Color Camera, Spectra® Mini Dome Drive (Pelco DD4).....	1,596.00	135.71
28 21 31 00-0257	EA		10X, Color Camera, Spectra® IP Network, Mini Dome Drive (Pelco DD4N).....	2,030.88	135.71
28 21 31 00-0258	EA		22X, Black And White Camera, Spectra® IV Dome Drive (Pelco DD4M22).....	2,568.14	135.71
28 21 31 00-0259	EA		16X, Color Camera, Spectra® IV Dome Drive (Pelco DD4TC16).....	2,019.10	135.71
28 21 31 00-0260	EA		22X, Color Camera, Spectra® IV Dome Drive (Pelco DD4C22).....	2,728.50	135.71
28 21 31 00-0261	EA		18X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW18).....	2,760.21	135.71
28 21 31 00-0262	EA		23X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW23).....	3,193.28	135.71
28 21 31 00-0263	EA		35X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW35).....	3,422.50	135.71
28 21 31 00-0264	EA		35X, Color/Black And White Camera, Spectra® IV Horizon Dome Drive (Pelco DD4H35).....	3,422.50	135.71
28 21 31 00-0265			<b>Accessories For Spectra® Pan/Tilt Camera Dome Systems</b> <small>(28 21 31 00-0143)</small>		
28 21 31 00-0266	EA		Upgrade To Chrome Lower Dome (Pelco Spectra).....	127.75	
28 21 31 00-0267	EA		Upgrade To Gold Lower Dome (Pelco Spectra).....	166.70	
28 21 31 00-0268	EA		Wall Mount For Spectra® Systems (Pelco IWM-BK).....	139.49	13.57
28 21 31 00-0269	EA		24 Volt Out, Wall Mount For Spectra® Systems (Pelco IWM24-BK).....	350.59	13.57
28 21 31 00-0270	EA		Wall Arm Mount For Spectra® Systems (Pelco IDM4018).....	135.87	13.57
28 21 31 00-0271	EA		Wall Arm Mount With Feed Through For Stainless Steel Spectra® IV Systems (Pelco IDM4012SS).....	271.65	13.57
28 21 31 00-0272	EA		Pole Mount Adapter For Spectra® Systems (Pelco PA402).....	71.77	8.07
28 21 31 00-0273			<b>Camclosure®, Camera Dome Systems</b> <small>(28 21 31 00-0142)</small>		
28 21 31 00-0274			<b>Camclosure® IS Integrated, Camera Dome Systems</b> <small>(28 21 31 00-0273)</small>		
28 21 31 00-0275			<b>Camclosure® IS Integrated, Camera Dome Systems</b> <small>(28 21 31 00-0274)</small>		
28 21 31 00-0276			<b>High Resolution Color, Camclosure® IS Integrated, Camera Dome Systems</b> <small>(28 21 31 00-0275)</small>		
28 21 31 00-0277	EA		12 mm, Indoor Surface/In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-CH12).....	647.35	162.86
28 21 31 00-0278	EA		9-22 mm, Indoor Surface/In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-CHV22).....	701.71	162.86
28 21 31 00-0279	EA		12 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS110-CH12).....	778.72	162.86
28 21 31 00-0280	EA		12 mm, Environmental In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS150-CH12).....	778.72	162.86
28 21 31 00-0281			<b>Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome Systems</b> <small>(28 21 31 00-0275)</small>		

**28 Electronic Safety and Security****28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
28 21 31 00-0282	EA 9-22 mm, Indoor Surface/In-Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90B-CWV22).....	788.69	162.86
28 21 31 00-0283	EA 9-22 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS111-CWV22).....	859.35	162.86
28 21 31 00-0284	EA 9-22 mm, Environmental In-Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-CWV22).....	859.35	162.86
<b>28 21 31 00-0285</b>	<b>Day/Night, Camclosure® IS Integrated, Camera Dome Systems (28 21 31 00-0275)</b>		
28 21 31 00-0286	EA 9-22 mm, Indoor Surface/In-Ceiling Mount, Day/Night, Camclosure® IS Integrated, White Camera Dome System (Pelco IS90-DNV22).....	902.84	162.86
28 21 31 00-0287	EA 9-22 mm, Environmental Surface Mount, Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS111-DNV22).....	1,077.70	162.86
28 21 31 00-0288	EA 9-22 mm, Environmental In-Ceiling Mount, Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-DNV22).....	1,077.70	162.86
<b>28 21 31 00-0289</b>	<b>Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome Systems (28 21 31 00-0275)</b>		
28 21 31 00-0290	EA 9-22 mm, Indoor Surface/In-Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-DWV22).....	986.19	162.86
28 21 31 00-0291	EA 9-22 mm, Environmental In-Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-DWV22).....	1,098.54	162.86
<b>28 21 31 00-0292</b>	<b>Camclosure® IS Integrated, Bullet Style Camera Systems (28 21 31 00-0274)</b>		
<b>28 21 31 00-0293</b>	<b>High Resolution Color, Camclosure® IS Integrated, Bullet Style Camera Systems (28 21 31 00-0292)</b>		
28 21 31 00-0294	EA 3.6 mm, Wall/Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-CH3.6).....	710.00	108.58
<b>28 21 31 00-0295</b>	<b>Wide Dynamic Range Color, Camclosure® IS Integrated, Bullet Style Camera Systems (28 21 31 00-0292)</b>		
28 21 31 00-0296	EA 9-22 mm, Wall/Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-CWV22).....	812.38	108.58
<b>28 21 31 00-0297</b>	<b>Day/Night, Camclosure® IS Integrated, Bullet Style Camera Systems (28 21 31 00-0292)</b>		
28 21 31 00-0298	EA 9-22 mm, Wall/Ceiling Mount, Day/Night, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-DNV22).....	893.92	108.58
<b>28 21 31 00-0299</b>	<b>Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Bullet Style Camera Systems (28 21 31 00-0292)</b>		
28 21 31 00-0300	EA 9-22 mm, Wall/Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-DWV22).....	934.69	108.58
<b>28 21 31 00-0301</b>	<b>Camclosure® IS Integrated Cameras (28 21 31 00-0274)</b>		
28 21 31 00-0302	EA 12 mm, High Resolution Color, Camclosure® IS Integrated Camera (Pelco IS-CH12).....	501.62	108.58
28 21 31 00-0303	EA 9-22 mm, High Resolution Color, Camclosure® IS Integrated Camera (Pelco IS-CHV22).....	501.62	108.58
28 21 31 00-0304	EA 9-22 mm, Wide Dynamic Range Color, Camclosure® IS Integrated Camera (Pelco IS-CWV22).....	582.26	108.58
28 21 31 00-0305	EA 9-22 mm, Day/Night, Camclosure® IS Integrated Camera (Pelco IS-DNV22).....	800.60	108.58
28 21 31 00-0306	EA 9-22 mm, Wide Dynamic Range Day/Night, Camclosure® IS Integrated Camera (Pelco IS-DWV22).....	821.44	108.58
<b>28 21 31 00-0307</b>	<b>Camclosure® ICS Integrated, Camera Dome Systems (28 21 31 00-0273)</b>		
<b>28 21 31 00-0308</b>	<b>Camclosure® ICS Integrated, Camera Dome Systems (28 21 31 00-0307)</b>		
<b>28 21 31 00-0309</b>	<b>Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome Systems (28 21 31 00-0308)</b>		
28 21 31 00-0310	EA 12 mm, Indoor Surface/In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS090B-CA12).....	557.66	162.86
28 21 31 00-0311	EA 12 mm, UTP, Indoor Surface/In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS090B-CA12T).....	596.61	162.86
28 21 31 00-0312	EA 12 mm, Environmental Surface Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS110-CA12).....	752.45	162.86
28 21 31 00-0313	EA 12 mm, Environmental In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS150-CA12).....	752.45	162.86
<b>28 21 31 00-0314</b>	<b>High Resolution Color, Camclosure® ICS Integrated, Camera Dome Systems (28 21 31 00-0308)</b>		
28 21 31 00-0315	EA 3-9 mm, Environmental In-Ceiling Mount, High Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS151-CDV39A).....	927.30	162.86
<b>28 21 31 00-0316</b>	<b>Camclosure® ICS Integrated, Bullet Style Camera Systems (28 21 31 00-0307)</b>		
<b>28 21 31 00-0317</b>	<b>Standard Resolution, Camclosure® ICS Integrated, Bullet Style Camera Systems (28 21 31 00-0316)</b>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0318 EA 12 mm, Wall/Ceiling Mount, Standard Resolution, Camclosure® ICS Integrated, Bullet Style Camera System (Pelco ICS310-CA12).....	643.87	108.58
<b>28 21 31 00-0319 Camclosure® ICS Integrated, Wedge Style Camera Systems (28 21 31 00-0307)</b>		
<b>28 21 31 00-0320 High Resolution Color, Camclosure® ICS Integrated, Wedge Style Camera Systems (28 21 31 00-0319)</b>		
28 21 31 00-0321 EA 9-22 mm, High Resolution, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-CHV22) .....	859.35	162.86
<b>28 21 31 00-0322 Wide Dynamic Range Color, Camclosure® ICS Integrated, Wedge Style Camera Systems (28 21 31 00-0319)</b>		
28 21 31 00-0323 EA 9-22 mm, Wide Dynamic Range, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-CWV22).....	940.89	162.86
<b>28 21 31 00-0324 Day/Night, Camclosure® ICS Integrated, Wedge Style Camera Systems (28 21 31 00-0319)</b>		
28 21 31 00-0325 EA 9-22 mm, Day/Night, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-DNV22).....	1,043.27	162.86
<b>28 21 31 00-0326 Wide Dynamic Range Day/Night, Camclosure® ICS Integrated, Wedge Style Camera Systems (28 21 31 00-0319)</b>		
28 21 31 00-0327 EA 9-22 mm, Wide Dynamic Range Day/Night, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-DWV22) .....	1,084.04	162.86
<b>28 21 31 00-0328 Camclosure® IP Network, Camera Dome Systems (28 21 31 00-0273)</b>		
<b>28 21 31 00-0329 Camclosure® IP Network, Camera Dome Systems (28 21 31 00-0328)</b>		
<b>28 21 31 00-0330 High Resolution Color, Camclosure® IP Network, Camera Dome Systems (28 21 31 00-0329)</b>		
28 21 31 00-0331 EA 3-9.5 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CHV9).....	1,533.42	162.86
28 21 31 00-0332 EA 9-22 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CHV22) .....	1,533.42	162.86
<b>28 21 31 00-0333 Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome Systems (28 21 31 00-0329)</b>		
28 21 31 00-0334 EA 3-9.5 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CWV9) .....	1,645.76	162.86
28 21 31 00-0335 EA 9-22 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CWV22) .....	1,645.76	162.86
<b>28 21 31 00-0336 Day/Night, Camclosure® IP Network, Camera Dome Systems (28 21 31 00-0329)</b>		
28 21 31 00-0337 EA 3-9.5 mm, Environmental Surface Mount, Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP111-DNV9).....	1,818.81	162.86
28 21 31 00-0338 EA 9-22 mm, Environmental Surface Mount, Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP111-DNV22) .....	1,818.81	162.86
<b>28 21 31 00-0339 Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome Systems (28 21 31 00-0329)</b>		
28 21 31 00-0340 EA 3-9.5 mm, Environmental Surface Mount, Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP110-DWV9).....	1,941.12	162.86
28 21 31 00-0341 EA 9-22 mm, Environmental Surface Mount, Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP110-DWV22).....	1,941.12	162.86
<b>28 21 31 00-0342 Accessories For Camclosure® Camera Dome Systems (28 21 31 00-0273)</b>		
28 21 31 00-0343 EA 4S Gangbox Adapter Plate For ICS110 Camclosure® Systems (Pelco ICS110-AP).....	32.60	8.14
28 21 31 00-0344 EA 4S Adapter Plate For ICS310 Camclosure® Systems (Pelco ICS310-AP).....	32.60	8.14
28 21 31 00-0345 EA Sun Shield For ICS310 Camclosure® Systems (Pelco ICS310-SS) .....	43.46	13.57
28 21 31 00-0346 EA Conduit Adapter For ICS310 Camclosure® Systems (Pelco ICS310-COND) .....	68.83	13.57
28 21 31 00-0347 EA 2' x 2' Ceiling Panel For ICS150 Camclosure® Systems (Pelco ICS150-P).....	70.65	8.14
28 21 31 00-0348 EA Pendant Mount Adapter For Camclosure® ICS110 Systems (Pelco ICS110-PG).....	68.83	13.57
28 21 31 00-0349 EA Corner Mount Adapter For ICS200 Camclosure® Systems (Pelco ICS210-CM).....	86.95	13.57
28 21 31 00-0350 EA Smoked, Surface Mount, Dome For Camclosure® IS Systems (Pelco ICS-DO110A).....	231.86	27.15
28 21 31 00-0351 EA Clear, Surface Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO111A) .....	231.86	27.15
28 21 31 00-0352 EA Smoked, In-Ceiling Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO150A) .....	231.86	27.15
28 21 31 00-0353 EA Clear, In-Ceiling Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO151A).....	231.86	27.15
28 21 31 00-0354 EA Pendant Mount Adapter For Camclosure® IP Systems (Pelco IP110-P) .....	82.42	13.57
28 21 31 00-0355 EA Smoked Lower Dome For Surface Mount Camclosure® IP Systems (Pelco IP110-LD) .....	95.05	27.15
28 21 31 00-0356 EA Clear Lower Dome For Surface Mount Camclosure® IP Systems (Pelco IP111-LD) .....	95.05	27.15
28 21 31 00-0357 EA Smoked Lower Dome For Surface Mount Camclosure® IS Systems (Pelco IS110-LD) .....	95.05	27.15
28 21 31 00-0358 EA Clear Lower Dome For Surface Mount Camclosure® IS Systems (Pelco IS111-LD).....	95.05	27.15
28 21 31 00-0359 EA Smoked Lower Dome For Ceiling Mount Camclosure® IS Systems (Pelco IS150-LD).....	95.05	27.15
28 21 31 00-0360 EA Clear Lower Dome For Ceiling Mount Camclosure® IS Systems (Pelco IS151-LD) .....	95.05	27.15
28 21 31 00-0361 EA Ceiling Mount Enclosure Only, Environmental, Camclosure® IS Systems (Pelco IS150-ENC).....	276.04	37.07
28 21 31 00-0362 EA Black Pendant Mount For Indoor Camclosure® IS Systems (Pelco IS90B-P).....	58.86	13.57
28 21 31 00-0363 EA Black Pendant Wall Mount For Indoor Camclosure® IS Systems (Pelco IS90B-PW) .....	99.63	13.57

**28 Electronic Safety and Security****28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
28 21 31 00-0364	EA	White Pendant Mount For Indoor Camclosure® IS Systems (Pelco IS90-P).....	58.86		13.57
28 21 31 00-0365	EA	White Pendant Wall Mount For Indoor Camclosure® IS Systems (Pelco IS90-PW).....	99.63		13.57
28 21 31 00-0366	EA	Surface Mount Enclosure Only, Environmental, IP Camclosure® (Pelco IP110-ENC).....	1,431.04		162.86
28 21 31 00-0367		<b>Pan/Tilt Camera Systems</b> (28 21 31 00-0141)			
28 21 31 00-0368		<b>Esprit® CBZ, Pan/Tilt Camera Systems</b> (28 21 31 00-0367) Note: Includes powder coated aluminum pan/tilt enclosure, receiver, camera, lens, built in heater, window defroster/defogger, sun shroud, insulation blanket, 24V power supply and mounting hardware.			
28 21 31 00-0369		<b>EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems</b> (28 21 31 00-0368)			
28 21 31 00-0370		<b>Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems</b> (28 21 31 00-0369)			
28 21 31 00-0371	EA	10X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10N).....	4,033.76		244.29
28 21 31 00-0372	EA	20X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20N).....	4,578.26		244.29
28 21 31 00-0373	EA	30X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30N).....	5,332.96		244.29
28 21 31 00-0374	EA	10X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10PN).....	4,150.63		244.29
28 21 31 00-0375	EA	20X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20PN).....	4,719.60		244.29
28 21 31 00-0376	EA	30X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30PN).....	5,474.30		244.29
28 21 31 00-0377		<b>Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems</b> (28 21 31 00-0369)			
28 21 31 00-0378	EA	10X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10W).....	4,070.90		244.29
28 21 31 00-0379	EA	20X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20W).....	4,615.41		244.29
28 21 31 00-0380	EA	30X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30W).....	5,370.11		244.29
28 21 31 00-0381	EA	10X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10PW).....	4,188.68		244.29
28 21 31 00-0382	EA	20X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20PW).....	4,756.75		244.29
28 21 31 00-0383	EA	30X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30PW).....	5,511.44		244.29
28 21 31 00-0384		<b>Esprit® CLZ, Pan/Tilt Camera Systems</b> (28 21 31 00-0367)			
28 21 31 00-0385		<b>DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems</b> (28 21 31 00-0384)			
28 21 31 00-0386		<b>Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems</b> (28 21 31 00-0385)			
28 21 31 00-0387	EA	10X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10N).....	4,175.09		244.29
28 21 31 00-0388	EA	20X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20N).....	4,719.60		244.29
28 21 31 00-0389	EA	30X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30N).....	5,474.30		244.29
28 21 31 00-0390	EA	10X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10PN).....	4,291.97		244.29
28 21 31 00-0391	EA	20X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20PN).....	4,860.94		244.29
28 21 31 00-0392	EA	30X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30PN).....	5,615.63		244.29
28 21 31 00-0393		<b>Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems</b> (28 21 31 00-0385)			
28 21 31 00-0394	EA	10X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10W).....	4,212.24		244.29
28 21 31 00-0395	EA	20X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20W).....	4,756.75		244.29
28 21 31 00-0396	EA	30X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30W).....	5,511.44		244.29
28 21 31 00-0397	EA	10X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10PW).....	4,330.02		244.29
28 21 31 00-0398	EA	20X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20PW).....	4,898.08		244.29
28 21 31 00-0399	EA	30X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30PW).....	5,652.78		244.29
28 21 31 00-0400		<b>Esprit® AJZ, Pan/Tilt Camera Systems</b> (28 21 31 00-0367)			
28 21 31 00-0401		<b>High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems</b> (28 21 31 00-0400)			
28 21 31 00-0402		<b>Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems</b> (28 21 31 00-0401)			
28 21 31 00-0403	EA	6 x 10, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10N).....	3,938.63		244.29
28 21 31 00-0404	EA	5.6 x 20, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20N).....	4,483.13		244.29
28 21 31 00-0405	EA	5.5 x 30, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30N).....	5,237.83		244.29

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0406 EA 6 x 10, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10PN).....	4,056.41	244.29
28 21 31 00-0407 EA 5.6 x 20, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20PN).....	4,624.47	244.29
28 21 31 00-0408 EA 5.5 x 30, Preset Positioning, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30PN).....	5,379.17	244.29
<b>28 21 31 00-0409 Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems</b> <i>(28 21 31 00-0401)</i>		
28 21 31 00-0410 EA 6 x 10, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10W).....	3,976.68	244.29
28 21 31 00-0411 EA 5.6 x 20, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20W).....	4,520.28	244.29
28 21 31 00-0412 EA 5.5 x 30, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30W).....	5,275.88	244.29
28 21 31 00-0413 EA 6 x 8, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ8PW).....	4,002.95	244.29
28 21 31 00-0414 EA 6 x 10, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10W).....	4,093.55	244.29
28 21 31 00-0415 EA 5.6 x 20, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20PW).....	4,661.62	244.29
28 21 31 00-0416 EA 5.5 x 30, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30PW).....	5,417.22	244.29
<b>28 21 31 00-0417 Esprit® AMZ, Pan/Tilt Camera Systems</b> <i>(28 21 31 00-0367)</i>		
<b>28 21 31 00-0418 Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems</b> <i>(28 21 31 00-0417)</i>		
<b>28 21 31 00-0419 Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems</b> <i>(28 21 31 00-0418)</i>		
28 21 31 00-0420 EA 5.6 x 20, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20N).....	4,708.73	244.29
28 21 31 00-0421 EA 5.5 x 30, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30N).....	5,463.43	244.29
28 21 31 00-0422 EA 6 x 10, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10PN).....	4,282.00	244.29
28 21 31 00-0423 EA 5.6 x 20, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20PN).....	4,850.06	244.29
28 21 31 00-0424 EA 5.5 x 30, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30PN).....	5,604.76	244.29
<b>28 21 31 00-0425 Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems</b> <i>(28 21 31 00-0418)</i>		
28 21 31 00-0426 EA 6 x 10, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10W).....	4,202.27	244.29
28 21 31 00-0427 EA 5.6 x 20, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20W).....	4,745.87	244.29
28 21 31 00-0428 EA 5.5 x 30, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30W).....	5,501.48	244.29
28 21 31 00-0429 EA 6 x 10, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10PW).....	4,319.15	244.29
28 21 31 00-0430 EA 5.6 x 20, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20PW).....	4,887.21	244.29
28 21 31 00-0431 EA 5.5 x 30, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30PW).....	5,642.81	244.29
<b>28 21 31 00-0432 Esprit® KWZ, Pan/Tilt Camera Systems</b> <i>(28 21 31 00-0367)</i>		
<b>28 21 31 00-0433 Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems</b> <i>(28 21 31 00-0432)</i>		
<b>28 21 31 00-0434 Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems</b> <i>(28 21 31 00-0433)</i>		
28 21 31 00-0435 EA 5.5 x 30, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30N).....	5,583.92	244.29
28 21 31 00-0436 EA 6 x 10, Preset Positioning, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10PN).....	4,401.59	244.29
28 21 31 00-0437 EA 5.5 x 30, Preset Positioning, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30PN).....	5,725.26	244.29
<b>28 21 31 00-0438 Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems</b> <i>(28 21 31 00-0433)</i>		
28 21 31 00-0439 EA 6 x 10, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10W).....	4,321.87	244.29
28 21 31 00-0440 EA 5.5 x 30, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30W).....	5,621.98	244.29
28 21 31 00-0441 EA 6 x 10, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10PW).....	4,439.65	244.29
28 21 31 00-0442 EA 5.6 x 20, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ20PW).....	5,007.71	244.29
28 21 31 00-0443 EA 5.5 x 30, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30PW).....	5,763.31	244.29
<b>28 21 31 00-0444 Esprit® IOC, Pan/Tilt Camera Systems</b> <i>(28 21 31 00-0367)</i>		
<b>28 21 31 00-0445 Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems</b> <i>(28 21 31 00-0444)</i>		
<b>28 21 31 00-0446 Pedestal Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems</b> <i>(28 21 31 00-0445)</i>		
28 21 31 00-0447 EA 16X, Pedestal Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC16-2N).....	4,701.48	244.29
<b>28 21 31 00-0448 Wall Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems</b> <i>(28 21 31 00-0445)</i>		
28 21 31 00-0449 EA 16X, Wall Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC16-2W).....	4,738.63	244.29

**28 Electronic Safety and Security****28 20 Video Surveillance****28 21 Surveillance Cameras**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

28 21 31 00-0450		High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 21 31 00-0444)		
28 21 31 00-0451		Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 21 31 00-0450)		
28 21 31 00-0452	EA	22X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC22-2N)	5,583.92	244.29
28 21 31 00-0453	EA	24X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW24-2N)	5,399.10	244.29
28 21 31 00-0454	EA	35X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW35-2N)	6,137.49	244.29
28 21 31 00-0455		Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 21 31 00-0450)		
28 21 31 00-0456	EA	22X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC22-2W)	5,620.16	244.29
28 21 31 00-0457	EA	24X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW24-2W)	5,399.10	244.29
28 21 31 00-0458	EA	35X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW35-2W)	6,178.26	244.29
28 21 31 00-0459		Esprit® IOP, Pan/Tilt Camera Systems (28 21 31 00-0367)		
28 21 31 00-0460		High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems (28 21 31 00-0459)		
28 21 31 00-0461		Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems (28 21 31 00-0460)		
28 21 31 00-0462	EA	16X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C16-2N)	3,615.19	244.29
28 21 31 00-0463	EA	22X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C22-2N)	4,498.54	244.29
28 21 31 00-0464	EA	24X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW24-2N)	4,316.43	244.29
28 21 31 00-0465	EA	35X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW35-2N)	4,891.74	244.29
28 21 31 00-0466		Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems (28 21 31 00-0460)		
28 21 31 00-0467	EA	16X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C16-2W)	3,651.43	244.29
28 21 31 00-0468	EA	22X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C22-2W)	4,535.68	244.29
28 21 31 00-0469	EA	24X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW24-2W)	4,353.58	244.29
28 21 31 00-0470	EA	35X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW35-2W)	4,932.51	244.29
28 21 31 00-0471		Esprit® Thermal, Pan/Tilt Camera Systems (28 21 31 00-0367)		
28 21 31 00-0472		Esprit® Thermal, Pan/Tilt Camera Systems (28 21 31 00-0471)		
28 21 31 00-0473		Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera Systems (28 21 31 00-0472)		
28 21 31 00-0474	EA	14.25 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3014TI-2N)	23,235.52	244.29
28 21 31 00-0475	EA	35 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3035TI-2N)	24,986.82	244.29
28 21 31 00-0476	EA	50 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3050TI-2N)	25,574.81	244.29
28 21 31 00-0477		Wall Mount, Esprit® Thermal, Pan/Tilt Camera Systems (28 21 31 00-0472)		
28 21 31 00-0478	EA	14.25 mm, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3014TI-2W)	23,273.57	244.29
28 21 31 00-0479	EA	35 mm, 30 Hertz, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3035TI-2W)	25,023.97	244.29
28 21 31 00-0480	EA	50 mm, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3050TI-2W)	25,611.96	244.29
28 21 31 00-0481		Accessories For Esprit® Pan/Tilt Camera Systems (28 21 31 00-0367)		
28 21 31 00-0482	EA	Wiper Blade Replacement For Esprit® Systems (Pelco ES-REPLBLADE)	10.23	2.71
28 21 31 00-0483	EA	Marine Mounting Kit For Esprit® Systems (Pelco ES-MKIT)	58.86	13.57
28 21 31 00-0484	EA	Indoor/Outdoor Wall Mount For Esprit® Systems (Pelco EWM)	91.48	13.57
28 21 31 00-0485	EA	Wall Mount For High Security Enclosures (Pelco HSWM12)	115.94	13.57
28 21 31 00-0486	EA	Ground Isolation Transformer (Pelco GIT100)	339.46	37.07
28 21 31 00-0487	EA	High Security, Indoor Wedge Style Enclosure (Pelco HS2100)	519.51	37.07
28 21 31 00-0488	EA	High Security, Indoor 10" Length Enclosure (Pelco HS3000)	405.59	37.07
28 21 31 00-0489	EA	High Security, Indoor Medium Corner Mount Enclosure (Pelco HS1500)	604.49	37.07
28 21 31 00-0490	EA	High Security, Ceiling Mount, Lexan Window, Aluminum Enclosure (Pelco HS8080)	314.99	37.07
28 21 31 00-0491	EA	High Security, Ceiling Mount, Lexan Window, Steel Enclosure (Pelco HS8134)	869.87	37.07
28 21 31 00-0492	EA	Bullet-Resistant, Outdoor Enclosure (Pelco HS4514)	1,258.14	37.07
28 21 31 00-0493	EA	Bullet-Resistant, Outdoor Enclosure With Mount (Pelco HS4514/MT)	1,494.61	37.07
28 21 31 00-0494	EA	24X, Color/Black And White, Esprit® Camera Module (Pelco ESIOPCBW24)	1,548.06	37.07
28 21 31 00-0495	EA	35X, Color/Black And White, Esprit® Camera Module (Pelco ESIOPCBW35)	1,632.32	37.07
28 21 31 00-0496	EA	24 Volt AC, Esprit® Pan Tilt Enclosure Receiver (Pelco ES3012-2)	2,235.49	37.08
28 21 31 00-0497	EA	24 Volt AC, Pedestal Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-2N)	2,262.12	37.07
28 21 31 00-0498	EA	24 Volt AC, Wall Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-2W)	2,287.67	37.07
28 21 31 00-0499	EA	30X, 24 Volt AC, DSS, Color High Resolution, Esprit® CLZ Pan/Tilt Camera System (Pelco ES3012-2CLZ30)	5,106.83	37.07
28 21 31 00-0500	EA	30X, 24 Volt AC, Preset Positioning, DSS, Color High Resolution, Esprit® CLZ Pan/Tilt Camera System (Pelco ES3012-2CLZ30P)	5,248.16	37.07
28 21 31 00-0501	EA	Esprit® Camera Pole Mount Adapter (Pelco EPM)	101.26	8.73
28 21 31 00-0502	EA	Pole Mount Adapter For Esprit® Systems (Pelco EPM)	101.26	8.73
28 21 31 00-0503		Camera Lenses (28 21 31 00-0002)		
28 21 31 00-0504		Fixed Focus Camera Lenses (28 21 31 00-0503) Note: 1/3" format and manual focus.		
28 21 31 00-0505		Manual Iris, Fixed Focus Camera Lenses (28 21 31 00-0504)		
28 21 31 00-0506	EA	2.3 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA2.3)	148.81	12.73
28 21 31 00-0507	EA	2.8 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA2.8)	123.44	12.73

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0508	EA		4 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA4).....	110.76	12.73
28 21 31 00-0509	EA		8 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA8).....	108.04	12.73
<b>28 21 31 00-0510</b>			<b>Direct Drive Auto Iris, Fixed Focus Camera Lenses</b> (28 21 31 00-0504)		
			Note: Includes spot filter. Excludes amplifier.		
28 21 31 00-0511	EA		2.3 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD2.3).....	185.95	12.73
28 21 31 00-0512	EA		2.8 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD2.8).....	148.81	12.73
28 21 31 00-0513	EA		4 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD4).....	139.75	12.73
28 21 31 00-0514	EA		8 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD8).....	99.88	12.73
<b>28 21 31 00-0515</b>			<b>Video Drive Auto Iris, Fixed Focus Camera Lenses</b> (28 21 31 00-0504)		
			Note: Includes LDC100 adapter to convert DC auto iris to video drive.		
28 21 31 00-0516	EA		2.3 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV2.3S).....	219.48	12.73
28 21 31 00-0517	EA		2.8 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV2.8S).....	181.42	12.73
28 21 31 00-0518	EA		4 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV4S).....	172.36	12.73
28 21 31 00-0519	EA		8 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV8S).....	165.12	12.73
<b>28 21 31 00-0520</b>			<b>Varifocal Camera Lenses</b> (28 21 31 00-0503)		
			Note: 1/3" format and manual focus and zoom.		
<b>28 21 31 00-0521</b>			<b>Manual Iris, Varifocal Camera Lenses</b> (28 21 31 00-0520)		
28 21 31 00-0522	EA		1.6-3.4 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA1-3).....	217.94	12.73
28 21 31 00-0523	EA		2.5-6 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA2.5-6).....	174.18	12.73
28 21 31 00-0524	EA		2.8-12 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA2.8-12).....	135.22	12.73
28 21 31 00-0525	EA		3-8 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA3-8).....	118.91	12.73
28 21 31 00-0526	EA		5.5-82.5 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5.5-82.5).....	310.08	12.73
28 21 31 00-0527	EA		5-40 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5-40).....	168.74	12.73
28 21 31 00-0528	EA		5-50 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5-50).....	179.92	12.73
<b>28 21 31 00-0529</b>			<b>Direct Drive Auto Iris, Varifocal Camera Lenses</b> (28 21 31 00-0520)		
			Note: Includes spot filter.		
28 21 31 00-0530	EA		1.6-3.4 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD1-3).....	214.21	12.73
28 21 31 00-0531	EA		2.5-6 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD2.5-6).....	188.86	12.73
28 21 31 00-0532	EA		2.8-12 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD2.8-12).....	144.14	12.73
28 21 31 00-0533	EA		3-8 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD3-8).....	106.87	12.73
28 21 31 00-0534	EA		5.5-82.5 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD5.5-82.5).....	338.16	12.73
28 21 31 00-0535	EA		5-50 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD5-50).....	211.97	12.73
<b>28 21 31 00-0536</b>			<b>Video Drive Auto Iris, Varifocal Camera Lenses</b> (28 21 31 00-0520)		
			Note: Includes spot filter.		
28 21 31 00-0537	EA		1.6-3.4 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV1-3S).....	296.49	12.73
28 21 31 00-0538	EA		2.5-6 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV2.5-6S).....	262.96	12.73
28 21 31 00-0539	EA		3-8 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV3-8S).....	157.87	12.73
28 21 31 00-0540	EA		5-50 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV5-50S).....	292.86	12.73
<b>28 21 31 00-0541</b>			<b>Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lenses</b> (28 21 31 00-0520)		
28 21 31 00-0542	EA		3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VDIR3-8.5).....	124.01	12.73
28 21 31 00-0543	EA		7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VDIR7.5-50).....	187.37	12.73
<b>28 21 31 00-0544</b>			<b>Motorized Zoom Camera Lenses</b> (28 21 31 00-0503)		
			Note: 1/3" format.		
<b>28 21 31 00-0545</b>			<b>Manual Iris, Motorized Zoom Camera Lenses</b> (28 21 31 00-0544)		
28 21 31 00-0546	EA		8X Zoom, 6-48 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X8).....	538.39	12.73
28 21 31 00-0547	EA		10X Zoom, 6-60 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X10).....	672.48	12.73
28 21 31 00-0548	EA		15X Zoom, 6-90 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X15).....	716.87	12.73
<b>28 21 31 00-0549</b>			<b>Direct Drive Auto Iris, Motorized Zoom Camera Lenses</b> (28 21 31 00-0544)		
			Note: Includes spot filter.		
28 21 31 00-0550	EA		6X Zoom, 6-48 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X8).....	501.20	12.73
28 21 31 00-0551	EA		10X Zoom, 6-60 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X10).....	579.47	12.73
28 21 31 00-0552	EA		15X Zoom, 6-90 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X15).....	792.07	12.73
28 21 31 00-0553	EA		20X Zoom, 5.6-112 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD5.6X20).....	995.42	12.73
28 21 31 00-0554	EA		30X Zoom, 5.5-165 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD5.5X30).....	1,977.15	12.73
<b>28 21 31 00-0555</b>			<b>Video Drive Auto Iris, Motorized Zoom Camera Lenses</b> (28 21 31 00-0544)		
			Note: Includes spot filter.		
28 21 31 00-0556	EA		8X Zoom, 6-48 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X8S).....	551.98	12.73
28 21 31 00-0557	EA		10X Zoom, 6-60 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X10S).....	657.07	12.73
28 21 31 00-0558	EA		15X Zoom, 6-90 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X15S).....	825.59	12.73
28 21 31 00-0559	EA		20X Zoom, 5.6-112 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV5.6X20S).....	1,201.58	12.73
28 21 31 00-0560	EA		30X Zoom, 5.5-165 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV5.5X30S).....	1,956.28	12.73
<b>28 21 31 00-0561</b>			<b>Camera Power Supplies</b> (28 21 31 00-0002)		
28 21 31 00-0562	EA		20 VA, 24 Volt AC, Camera Power Transformer (Pelco TF2000).....	38.02	10.86

**28 Electronic Safety and Security****28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0563	EA		50 VA, 24 Volt AC, Camera Power Transformer (Pelco TF9000).....	65.20	10.86
28 21 31 00-0564	EA		2 Amperes, 4 Outputs, Camera Power Supply (Pelco MCS4-2).....	285.69	21.71
28 21 31 00-0565	EA		5 Amperes, 8 Outputs, Camera Power Supply (Pelco MCS8-5).....	329.77	32.57
28 21 31 00-0566	EA		10 Amperes, 16 Outputs, Camera Power Supply (Pelco MCS16-10).....	371.60	43.43
			<i>For Switchable Outputs, Add</i>	170.85	
28 21 31 00-0567	EA		20 Amperes, 16 Outputs, Camera Power Supply (Pelco MCS16-20).....	415.70	54.28
			<i>For Switchable Outputs, Add</i>	184.27	
<b>28 21 31 00-0568</b>			<b>Camera Illuminators</b> (28 21 31 00-0002)		
<b>28 21 31 00-0569</b>			<b>Camera Illuminators</b> (28 21 31 00-0568) Note: Includes lamp and mounting bracket.		
28 21 31 00-0570	EA		Narrow Spot Lamp, Low Light Level Camera Illuminator (Pelco LL27MF).....	1,431.42	21.71
28 21 31 00-0571	EA		Infrared Narrow Spot Lamp, Low Light Level Camera Illuminator (Pelco LL27NS).....	1,431.42	21.71
28 21 31 00-0572	EA		Flood Lamp, Low Light Level Camera Illuminator (Pelco LL27WF).....	1,431.42	21.71
<b>28 21 31 00-0573</b>			<b>Camera Illuminator Accessories</b> (28 21 31 00-0568)		
28 21 31 00-0574	EA		Removal And Replacement Of Lamp For Low Light Level Camera Illuminator (Pelco PAR56).....	120.44	21.71
<b>28 21 31 00-0575</b>			<b>Camera Receivers</b> (28 21 31 00-0002)		
28 21 31 00-0576	EA		24 Volt AC, Coaxitron® Outdoor Camera Receiver With Preset Positioning (Pelco CX9024RX-PP).....	1,392.23	37.07
28 21 31 00-0577	EA		120 Volt AC, Coaxitron® Outdoor Camera Receiver With Preset Positioning (Pelco CX9115RX-PP).....	1,392.23	37.07
<b>28 21 31 00-0578</b>			<b>Pan And Tilt Drives</b> (28 21 31 00-0002)		
28 21 31 00-0579	EA		15 LB Load, 24 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT270-24P).....	990.04	81.43
28 21 31 00-0580	EA		40 LB Load, 24/120 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT570-24P).....	1,254.59	81.43
			<i>For Preset Positioning, Add</i>	165.00	
28 21 31 00-0581	EA		100 LB Load, 120 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT1250P).....	2,642.58	81.43
			<i>For Preset Positioning, Add</i>	165.00	
28 21 31 00-0582	EA		100 LB Load, 120 Volt DC, Outdoor Pan And Tilt Drive (Pelco PT1250DC).....	3,018.57	81.43
			<i>For Preset Positioning, Add</i>	165.00	
28 21 31 00-0583	EA		100 LB Load, 120 Volt DC, 360 Degree Outdoor Pan And Tilt Drive (Pelco PT1280SL).....	3,491.50	81.43
			<i>For Preset Positioning, Add</i>	165.00	
28 21 31 00-0584	EA		100 LB Load, 120 Volt DC, Explosion Proof Outdoor Pan And Tilt Drive (Pelco PT1260EX).....	4,497.16	81.43
			<i>For Preset Positioning, Add</i>	165.00	
<b>28 21 31 00-0585</b>			<b>Scanners</b> (28 21 31 00-0002)		
28 21 31 00-0586	EA		35 LB Load, 24 Volt AC, Indoor/Outdoor Scanner (Pelco PS20-24).....	1,128.66	81.43
			<i>For Wall Mount, Add</i>	39.05	
			<i>For Pressure Sensor Alarm, Add</i>	51.15	
28 21 31 00-0587	EA		35 LB Load, 120 Volt AC, Indoor/Outdoor Scanner (Pelco PS20).....	1,185.73	81.43
			<i>For Wall Mount, Add</i>	39.05	
			<i>For Pressure Sensor Alarm, Add</i>	51.15	
<b>28 21 31 00-0588</b>			<b>Camera Monitors</b> (28 21 31 00-0001)		
<b>28 21 31 00-0589</b>			<b>Camera Monitors</b> (28 21 31 00-0588)		
<b>28 21 31 00-0590</b>			<b>Monochrome Camera Monitors</b> (28 21 31 00-0589)		
28 21 31 00-0591	EA		9" Monochrome Camera Monitor (Pelco PMM9A).....	220.11	16.29
28 21 31 00-0592	EA		12" Monochrome Camera Monitor (Pelco PMM12A).....	251.82	16.29
28 21 31 00-0593	EA		15" Monochrome Camera Monitor (Pelco PMM15A).....	385.91	16.29
28 21 31 00-0594	EA		20" Monochrome Camera Monitor (Pelco PMM20A).....	620.56	16.29
<b>28 21 31 00-0595</b>			<b>Color Camera Monitors</b> (28 21 31 00-0589)		
28 21 31 00-0596	EA		9", High Resolution Color, Camera Monitor (Pelco PMC9A).....	700.29	16.29
28 21 31 00-0597	EA		15", High Resolution Color, Camera Monitor (Pelco PMCS15A).....	568.02	16.29
28 21 31 00-0598	EA		17", High Resolution Color, Camera Monitor (Pelco PMCS17A).....	825.32	16.29
28 21 31 00-0599	EA		19", High Resolution Color, Camera Monitor (Pelco PMCS19A).....	1,097.12	16.29
<b>28 21 31 00-0600</b>			<b>LCD Camera Monitors</b> (28 21 31 00-0588)		
<b>28 21 31 00-0601</b>			<b>VGA Signal, Color LCD Camera Monitors (Pelco 200 Series)</b> (28 21 31 00-0600) Note: Displays VGA computer signals.		
28 21 31 00-0602	EA		17", VGA Signal, High Resolution Color, LCD Camera Monitor (Pelco PMCL217).....	791.80	16.29
28 21 31 00-0603	EA		19", VGA Signal, High Resolution Color, LCD Camera Monitor (Pelco PMCL219).....	1,030.98	16.29
<b>28 21 31 00-0604</b>			<b>Multimode, Color LCD Camera Monitors (Pelco 300 Series)</b> (28 21 31 00-0600) Note: Displays VGA computer signals and/or composite video signals.		
28 21 31 00-0605	EA		15", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL315).....	900.52	16.29
28 21 31 00-0606	EA		17", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL317).....	1,078.09	16.29
28 21 31 00-0607	EA		19", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL319).....	1,326.34	16.29
<b>28 21 31 00-0608</b>			<b>Multimode With PIP, Color LCD Camera Monitors (Pelco 400 Series)</b> (28 21 31 00-0600) Note: Displays VGA computer signals and/or composite video signals. Includes picture in picture option.		
28 21 31 00-0609	EA		15", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL415).....	1,156.01	16.29

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0610	EA		17", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL417)	1,340.83	16.29
28 21 31 00-0611	EA		19", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL419)	1,682.40	16.29
<b>28 21 31 00-0612</b>			<b>Camera Monitor Mounting Accessories (28 21 31 00-0588)</b>		
<b>28 21 31 00-0613</b>			<b>Camera Monitor Mounts (28 21 31 00-0612)</b>		
28 21 31 00-0614	EA		Up To 14", Camera Monitor Mount (Pelco)	269.93	21.71
28 21 31 00-0615	EA		>14" To 17", Camera Monitor Mount (Pelco)	314.32	21.71
28 21 31 00-0616	EA		>17" To 21", Camera Monitor Mount (Pelco)	368.68	21.71
<b>28 21 31 00-0617</b>			<b>Camera Monitor Rack Mount Kits (28 21 31 00-0612)</b>		
28 21 31 00-0618	EA		Camera Monitor Rack Mount Kit (Pelco PMCL-RM)	163.93	21.71
<b>28 21 31 00-0619</b>			<b>Video Transmission Equipment (28 21 31 00-0001)</b>		
<b>28 21 31 00-0620</b>			<b>UTP Cable, Video Transmission Equipment (28 21 31 00-0619)</b>		
<b>28 21 31 00-0621</b>			<b>UTP Cable, Active Video Receivers (28 21 31 00-0620)</b>		
28 21 31 00-0622	EA		Single Channel, UTP Cable, Active Video Receiver (Pelco TW3001AR)	339.67	27.15
28 21 31 00-0623	EA		Four Channel, UTP Cable, Active Video Receiver (Pelco TW3004AR)	1,166.85	27.15
28 21 31 00-0624	EA		Eight Channel, 4 Outputs, UTP Cable, Active Video Receiver (Pelco TW3008AR-4-US)	2,294.82	27.15
28 21 31 00-0625	EA		Sixteen Channel, UTP Cable, Active Video Receiver (Pelco TW3016AR1-US)	3,768.88	27.15
28 21 31 00-0626	EA		Sixteen Channel, 2 Outputs, UTP Cable, Active Video Receiver (Pelco TW3016AR-2-US)	4,400.36	27.15
<b>28 21 31 00-0627</b>			<b>UTP Cable, Passive Video Transceivers (28 21 31 00-0620)</b>		
28 21 31 00-0628	EA		Single Channel, UTP Cable, Passive Video Transceiver (Pelco TW3001P)	100.49	27.15
28 21 31 00-0629	EA		Four Channel, UTP Cable, Passive Video Transceiver (Pelco TW3004P)	339.67	27.15
28 21 31 00-0630	EA		Eight Channel, UTP Cable, Passive Video Transceiver (Pelco TW3008P)	625.97	27.15
28 21 31 00-0631	EA		Sixteen Channel, UTP Cable, Passive Video Transceiver (Pelco TW3016P)	1,189.50	27.15
28 21 31 00-0632	EA		Thirty Two Channel, UTP Cable, Passive Video Transceiver (Pelco TW3032P)	2,325.62	27.15
<b>28 21 31 00-0633</b>			<b>UTP Cable, Active Video Transmitters (28 21 31 00-0620)</b>		
28 21 31 00-0634	EA		Single Channel, UTP Cable, Active Video Transmitter (Pelco TW3001AT)	355.07	27.15
<b>28 21 31 00-0635</b>			<b>Fiber Optics, Video Transmission Equipment (28 21 31 00-0619)</b>		
<b>28 21 31 00-0636</b>			<b>Data Only, Fiber Optics Transmission Equipment (28 21 31 00-0635)</b>		
<b>28 21 31 00-0637</b>			<b>Bidirectional Data, Fiber Optics Transmitters (28 21 31 00-0636)</b>		
28 21 31 00-0638	EA		Single-Channel, Single Mode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8101AS)	2,054.67	54.28
28 21 31 00-0639	EA		Single-Channel, Multimode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8101AM)	842.44	54.28
28 21 31 00-0640	EA		Four-Channel, Single Mode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8104S)	1,502.91	54.28
28 21 31 00-0641	EA		Four-Channel, Multimode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8104M)	1,038.14	54.28
<b>28 21 31 00-0642</b>			<b>Bidirectional Data, Fiber Optics Receivers (28 21 31 00-0636)</b>		
28 21 31 00-0643	EA		Single-Channel, Single Mode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8101AS)	2,054.67	54.28
28 21 31 00-0644	EA		Single-Channel, Multimode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8101AM)	842.44	54.28
28 21 31 00-0645	EA		Four-Channel, Single Mode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8104S)	1,502.91	54.28
28 21 31 00-0646	EA		Four-Channel, Multimode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8104M)	1,038.14	54.28
<b>28 21 31 00-0647</b>			<b>Video Only, Fiber Optics Transmission Equipment (28 21 31 00-0635)</b>		
<b>28 21 31 00-0648</b>			<b>Digitally Encoded Video, Fiber Optics Transmitters (28 21 31 00-0647)</b>		
28 21 31 00-0649	EA		Single-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8301AS)	914.92	54.28
28 21 31 00-0650	EA		Single-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8301AM)	402.12	54.28
28 21 31 00-0651	EA		Four-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8304S)	2,526.69	54.28
28 21 31 00-0652	EA		Four-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8304M)	1,521.03	54.28
28 21 31 00-0653	EA		Eight-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8308S)	4,135.75	54.28
28 21 31 00-0654	EA		Eight-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8308M)	3,439.94	54.28
28 21 31 00-0655	EA		Sixteen-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8316S)	10,260.31	54.28
28 21 31 00-0656	EA		Sixteen-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8316M)	9,132.34	54.28
<b>28 21 31 00-0657</b>			<b>Digitally Encoded Video, Fiber Optics Receivers (28 21 31 00-0647)</b>		
28 21 31 00-0658	EA		Single-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8301AS)	914.92	54.28
28 21 31 00-0659	EA		Single-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8301AM)	402.12	54.28
28 21 31 00-0660	EA		Two-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8302AS)	1,558.18	54.28
28 21 31 00-0661	EA		Two-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8302AM)	634.97	54.28
28 21 31 00-0662	EA		Four-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8304S)	2,526.69	54.28
28 21 31 00-0663	EA		Four-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8304M)	1,521.03	54.28
28 21 31 00-0664	EA		Eight-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8308S)	4,135.75	54.28
28 21 31 00-0665	EA		Eight-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8308M)	3,439.94	54.28
28 21 31 00-0666	EA		Sixteen-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8316S)	10,260.31	54.28
28 21 31 00-0667	EA		Sixteen-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8316M)	9,132.34	54.28
<b>28 21 31 00-0668</b>			<b>Video And Data, Fiber Optics Transmission Equipment (28 21 31 00-0635)</b>		

**28 Electronic Safety and Security****28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
28 21 31 00-0669		<b>Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitters</b> <small>(28 21 31 00-0669)</small>			
28 21 31 00-0670	EA	Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85011AS).....	1,573.58		54.28
28 21 31 00-0671	EA	Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85011AM).....	940.29		54.28
28 21 31 00-0672	EA	Four-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85041S).....	3,656.48		54.28
28 21 31 00-0673	EA	Four-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85041M).....	3,166.33		54.28
28 21 31 00-0674	EA	Eight-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85081S).....	5,915.13		54.28
28 21 31 00-0675	EA	Eight-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85081M).....	4,289.77		54.28
28 21 31 00-0676		<b>Digitally Encoded Video With Bidirectional Data, Fiber Optics Receivers</b> <small>(28 21 31 00-0669)</small>			
28 21 31 00-0677	EA	Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85011AS).....	1,573.58		54.28
28 21 31 00-0678	EA	Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85011AM).....	940.29		54.28
28 21 31 00-0679	EA	Four-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85041S).....	3,656.48		54.28
28 21 31 00-0680	EA	Four-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85041M).....	3,166.33		54.28
28 21 31 00-0681	EA	Eight-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85081S).....	5,915.13		54.28
28 21 31 00-0682	EA	Eight-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85081M).....	4,289.77		54.28
28 21 31 00-0683		<b>Video, Audio And Data, Fiber Optics Transmission Equipment</b> <small>(28 21 31 00-0635)</small>			
28 21 31 00-0684		<b>Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitters</b> <small>(28 21 31 00-0683)</small>			
28 21 31 00-0685	EA	Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitter (Pelco FT86011S).....	2,025.68		54.28
28 21 31 00-0686	EA	Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitter (Pelco FT86011M).....	1,612.54		54.28
28 21 31 00-0687		<b>Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receivers</b> <small>(28 21 31 00-0683)</small>			
28 21 31 00-0688	EA	Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receiver (Pelco FR86011S).....	2,025.68		54.28
28 21 31 00-0689	EA	Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receiver (Pelco FR86011M).....	1,612.54		54.28
28 21 31 00-0690		<b>Video Amplifiers</b> <small>(28 21 31 00-0619)</small>			
28 21 31 00-0691		<b>Video Distribution Amplifiers</b> <small>(28 21 31 00-0690)</small>			
28 21 31 00-0692	EA	1 Input, 4 Outputs, Video Distribution Amplifier (Pelco DA104DT).....	250.93		13.57
28 21 31 00-0693	EA	16 Channel, Master, Video Distribution Amplifier (Pelco CM9760-MDA)..... Note: Inserts time-date and title on up to 16 video inputs.	2,030.32		13.57
28 21 31 00-0694		<b>Video Equalizing Amplifiers</b> <small>(28 21 31 00-0690)</small>			
28 21 31 00-0695	EA	Video Equalizing Amplifier (Pelco EA2010).....	272.68		13.57
28 21 31 00-0696	EA	Half-Duplex, Video Equalizing Amplifier (Pelco EA2000).....	427.60		13.57
28 21 31 00-0697		<b>Network Video Equipment</b> <small>(28 21 31 00-0001)</small>			
28 21 31 00-0698		<b>Video Encoders/Decoders</b> <small>(28 21 31 00-0697)</small>			
28 21 31 00-0699	EA	MPEG4 IP Video Receiver (Pelco NET300R).....	1,010.96		27.15
28 21 31 00-0700	EA	MPEG4 IP Video Transmitter (Pelco NET300T).....	1,010.96		27.15
28 21 31 00-0701	EA	MPEG4 IP Video Receiver With Audio (Pelco NET350R).....	1,163.16		27.15
28 21 31 00-0702	EA	MPEG4 IP Video Transmitter With Audio And Local Storage (Pelco NET350T).....	1,163.16		27.15
28 21 31 00-0703		<b>Network Video Recorders</b> <small>(28 21 31 00-0697)</small>			
28 21 31 00-0704	EA	16 Device Or 100MBPS, Network Video Recorder (Pelco NVR316).....	6,383.54		54.28
28 21 31 00-0705	EA	32 Device Or 100MBPS, Network Video Recorder (Pelco NVR332).....	7,428.15		54.28
28 21 31 00-0706	EA	64 Device Or 100MBPS, Network Video Recorder (Pelco NVR364).....	9,519.20		54.28
28 21 31 00-0707	EA	64 Device Or 100MBPS, PelcoNet Network Video Recorder (Pelco NVR300).....	6,304.71		54.28
28 21 31 00-0708		<b>Network Video Recorder Software</b> <small>(28 21 31 00-0697)</small>			
28 21 31 00-0709	EA	10 User, License Pack (Pelco VMX300-LIC-10).....	630.58		
28 21 31 00-0710	EA	20 User, License Pack (Pelco VMX300-LIC-20).....	1,137.03		
28 21 31 00-0711	EA	50 User, License Pack (Pelco VMX300-LIC-50).....	2,525.02		
28 21 31 00-0712	EA	100 User, License Pack (Pelco VMX300-LIC-100).....	4,416.75		
28 21 31 00-0713	EA	10 User, Enterprise License Pack (Pelco VMX300-E-LIC10).....	1,052.77		
28 21 31 00-0714	EA	20 User, Enterprise License Pack (Pelco VMX300-E-LIC20).....	1,893.54		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0715	EA		50 User, Enterprise License Pack (Pelco VMX300-E-LIC50) .....	4,208.37	
28 21 31 00-0716	EA		100 User, Enterprise License Pack (Pelco VMX300-E-LIC100) .....	7,363.06	
28 21 31 00-0717	EA		200 User, Enterprise License Pack (Pelco VMX300-E-LIC200) .....	12,621.49	
28 21 31 00-0718	EA		500 User, Enterprise License Pack (Pelco VMX300-E-LIC500) .....	26,293.93	
28 21 31 00-0719	EA		0 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-0).....	5,681.82	
28 21 31 00-0720	EA		1 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-1).....	6,032.44	
28 21 31 00-0721	EA		4 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-4).....	9,539.57	
28 21 31 00-0722	EA		0 Analog Inputs, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-0) .....	6,313.30	
28 21 31 00-0723	EA		1 Analog Input, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-1) .....	6,663.93	
28 21 31 00-0724	EA		4 Analog Inputs, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-4) .....	10,169.24	
28 21 31 00-0725	EA		0 Analog Inputs, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-0).....	6,103.11	
28 21 31 00-0726	EA		1 Analog Input, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-1) .....	6,454.64	
28 21 31 00-0727	EA		4 Analog Inputs, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-4).....	9,960.86	
28 21 31 00-0728	EA		0 Analog Inputs, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-0) .....	7,154.07	
28 21 31 00-0729	EA		1 Analog Input, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-1) .....	7,504.69	
28 21 31 00-0730	EA		4 Analog Inputs, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-4) .....	11,011.82	
<b>28 21 31 00-0731</b>			<b>Video Recording Equipment (28 21 31 00-0001)</b>		
<b>28 21 31 00-0732</b>			<b>Digital Video Recorders (28 21 31 00-0731)</b>		
28 21 31 00-0733	EA		8 Channel, 1TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-1000A) .....	9,993.95	54.28
28 21 31 00-0734	EA		8 Channel, 2 TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-2000A) .....	13,703.11	54.28
28 21 31 00-0735	EA		8 Channel, 3 TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-3000A) .....	17,413.18	54.28
28 21 31 00-0736	EA		16 Channel, 1 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-1000A) .....	12,031.54	54.28
28 21 31 00-0737	EA		16 Channel, 2 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-2000A) .....	15,740.70	54.28
28 21 31 00-0738	EA		16 Channel, 3 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-3000A) .....	19,450.77	54.28
28 21 31 00-0739	EA		24 Channel, 1 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-1000A) .....	13,152.26	54.28
28 21 31 00-0740	EA		24 Channel, 2 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-2000A) .....	16,861.43	54.28
28 21 31 00-0741	EA		24 Channel, 3 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-3000A) .....	20,571.50	54.28
28 21 31 00-0742	EA		32 Channel, 1 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-1000A) .....	15,189.86	54.28
28 21 31 00-0743	EA		32 Channel, 2 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-2000A) .....	18,899.02	54.28
28 21 31 00-0744	EA		32 Channel, 3 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-3000A) .....	22,609.09	54.28
28 21 31 00-0745	EA		16 Channel, 30 IPS, Digital Video Recorder (Pelco DX9116F-1500) .....	11,031.59	54.28
<b>28 21 31 00-0746</b>			<b>Digital Video Recorder Accessories (28 21 31 00-0731)</b>		
28 21 31 00-0747	EA		16 Channel, Multiplexed Analog Output Display Card (Pelco DX8000-MUX16).....	978.34	27.15
<b>28 21 31 00-0748</b>			<b>Matrix Systems And Controls (28 21 31 00-0001)</b>		
<b>28 21 31 00-0749</b>			<b>Video Multiplexers (28 21 31 00-0748)</b>		
<b>28 21 31 00-0750</b>			<b>Monochrome Duplex, Video Multiplexers (28 21 31 00-0749)</b>		
28 21 31 00-0751	EA		9 Channel, Monochrome Duplex, Video Multiplexer (Pelco MX4009MD).....	1,842.66	54.28
28 21 31 00-0752	EA		16 Channel, Monochrome Duplex, Video Multiplexer (Pelco MX4016MD).....	1,742.10	54.28
<b>28 21 31 00-0753</b>			<b>Color Duplex, Video Multiplexers (28 21 31 00-0749)</b>		
28 21 31 00-0754	EA		4 Channel, Color Duplex, Video Multiplexer (Pelco MX4004CD).....	1,247.42	54.28
28 21 31 00-0755	EA		9 Channel, Color Duplex, Video Multiplexer (Pelco MX4009CD).....	2,371.77	54.28
28 21 31 00-0756	EA		16 Channel, Color Duplex, Video Multiplexer (Pelco MX4016CD).....	2,570.18	54.28
<b>28 21 31 00-0757</b>			<b>Color Simplex, Video Multiplexers (28 21 31 00-0749)</b>		
28 21 31 00-0758	EA		9 Channel, Monochrome Simplex, Video Multiplexer (Pelco MX4009CS).....	1,994.87	54.28
28 21 31 00-0759	EA		16 Channel, Monochrome Simplex, Video Multiplexer (Pelco MX4016CS).....	2,328.28	54.28
<b>28 21 31 00-0760</b>			<b>Video Multiplexer Accessories (28 21 31 00-0749)</b>		
28 21 31 00-0761	EA		Pushbutton/Joystick Desktop Controls For PTZ, Fixed/Variable-Speed, Multiplexer Controller (Pelco KBD4000).....	1,105.03	37.07
28 21 31 00-0762	EA		Pushbutton Desktop Controls For PTZ, Fixed/Variable-Speed, Multiplexer Controller (Pelco KBD4002) .....	653.84	37.07
28 21 31 00-0763	EA		Video Multiplexer Server (Pelco MX4000SVR).....	1,842.66	54.28
<b>28 21 31 00-0764</b>			<b>Quad Video Processor (28 21 31 00-0748)</b>		
28 21 31 00-0765	EA		Monochrome, Quad Video Processor (Pelco QD104M) .....	571.61	27.15
28 21 31 00-0766	EA		Color, Quad Video Processor (Pelco QD104C) .....	934.01	27.15
<b>28 21 31 00-0767</b>			<b>Switcher (28 21 31 00-0748)</b>		
<b>28 21 31 00-0768</b>			<b>Terminating Manual Switchers (28 21 31 00-0767)</b>		

**28 Electronic Safety and Security****28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
28 21 31 00-0769		<b>Terminating Manual Switchers</b> (28 21 31 00-0768)			
28 21 31 00-0770	EA	4 Inputs, Terminating Manual Switcher (Pelco MS504DT) .....	200.17		21.71
28 21 31 00-0771	EA	8 Inputs, Terminating Manual Switcher (Pelco MS508DT) .....	270.84		21.71
28 21 31 00-0772	EA	12 Inputs, Terminating Manual Switcher (Pelco MS512DT) .....	328.82		21.71
28 21 31 00-0773	EA	18 Inputs, Terminating Manual Switcher (Pelco MS518DT) .....	536.29		21.71
28 21 31 00-0774		<b>Audio Follow, Terminating Manual Switchers</b> (28 21 31 00-0768)			
28 21 31 00-0775	EA	4 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS504AF) .....	258.15		21.71
28 21 31 00-0776	EA	8 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS508AF) .....	452.94		21.71
28 21 31 00-0777	EA	18 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS518AF) .....	789.07		21.71
28 21 31 00-0778		<b>Balanced Audio Follow, Terminating Manual Switchers</b> (28 21 31 00-0768)			
28 21 31 00-0779	EA	4 Inputs, Balanced Audio Follow, Terminating Manual Switcher (Pelco MS504BAF) .....	344.22		21.71
28 21 31 00-0780	EA	8 Inputs, Balanced Audio Follow, Terminating Manual Switcher (Pelco MS508BAF) .....	628.71		21.71
28 21 31 00-0781		<b>Looping Manual Switchers</b> (28 21 31 00-0767)			
28 21 31 00-0782		<b>Looping Manual Switchers</b> (28 21 31 00-0781)			
28 21 31 00-0783	EA	4 Inputs, Looping Manual Switcher (Pelco MS504LDT) .....	223.72		21.71
28 21 31 00-0784	EA	8 Inputs, Looping Manual Switcher (Pelco MS508LDT) .....	306.17		21.71
28 21 31 00-0785	EA	12 Inputs, Looping Manual Switcher (Pelco MS512LDT) .....	389.52		21.71
28 21 31 00-0786	EA	18 Inputs, Looping Manual Switcher (Pelco MS518LDT) .....	640.48		21.71
28 21 31 00-0787		<b>Audio Follow, Looping Manual Switchers</b> (28 21 31 00-0781)			
28 21 31 00-0788	EA	4 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS504AFL) .....	278.08		21.71
28 21 31 00-0789	EA	8 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS508AFL) .....	483.75		21.71
28 21 31 00-0790	EA	12 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS512AFL) .....	663.13		21.71
28 21 31 00-0791		<b>Balanced Audio Follow, Looping Manual Switchers</b> (28 21 31 00-0781)			
28 21 31 00-0792	EA	4 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS504BAFL) .....	368.68		21.71
28 21 31 00-0793	EA	8 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS508BAFL) .....	665.85		21.71
28 21 31 00-0794	EA	12 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS512BAFL) .....	837.09		21.71
28 21 31 00-0795		<b>Sequential Switchers</b> (28 21 31 00-0767)			
28 21 31 00-0796		<b>Single Output, Sequential Switchers</b> (28 21 31 00-0795)			
28 21 31 00-0797	EA	4 Inputs, Single Output, Sequential Desktop Switcher (Pelco VA6104) .....	390.43		21.71
28 21 31 00-0798	EA	8 Inputs, Single Output, Sequential Desktop Switcher (Pelco VA6108) .....	580.69		21.71
28 21 31 00-0799		<b>Dual Outputs, Sequential Switchers</b> (28 21 31 00-0795)			
28 21 31 00-0800	EA	4 Inputs, Dual Outputs, Sequential Desktop Switcher (Pelco VA6204) .....	487.37		21.71
28 21 31 00-0801	EA	8 Inputs, Dual Outputs, Sequential Desktop Switcher (Pelco VA6208) .....	674.01		21.71
28 21 31 00-0802		<b>Controls</b> (28 21 31 00-0748)			
28 21 31 00-0803		<b>Direct/Multi-Cable Controls</b> (28 21 31 00-0802)			
28 21 31 00-0804	EA	Scanner Control Module (Pelco MPS524DT) .....	340.52		54.28
28 21 31 00-0805	EA	120 Volt AC Pan/Tilt Control Module (Pelco MPT115DT) .....	363.17		54.28
28 21 31 00-0806	EA	24 Volt AC Pan/Tilt Control Module (Pelco MPT24DT) .....	402.12		54.28
28 21 31 00-0807	EA	Motorized Zoom Lens Control Module (Pelco MLZ6DT) .....	420.24		54.28
28 21 31 00-0808	EA	120 Volt AC Pan/Tilt, Scanner And Lens Control Module (Pelco MPTAZ115DT) .....	659.43		54.28
28 21 31 00-0809	EA	24 Volt AC Pan/Tilt, Scanner And Lens Control Module (Pelco MPTAZ24DT) .....	725.57		54.28
28 21 31 00-0810		<b>Coaxitron Controls</b> (28 21 31 00-0802)			
28 21 31 00-0811	EA	Desktop Keyboard, Fixed Speed Coaxitron Controller And Transmitter (Pelco KBD9000) .....	485.32		37.07
28 21 31 00-0812	EA	8 Position Joystick Pan/Tilt Controls, Switch Camera Lens Controls, Desktop Coaxitron Controller And Transmitter (Pelco MPT9000) .....	912.05		37.07
28 21 31 00-0813	EA	Integral Switcher, 8 Position Joystick Pan/Tilt Controls, Switch Camera Lens Controls, Desktop Coaxitron Controller And Transmitter (Pelco MPT9008) .....	1,034.36		37.07
28 21 31 00-0814		<b>Digital Controls</b> (28 21 31 00-0802)			
28 21 31 00-0815	EA	Pushbutton Desktop Controls For Pan/Tilt/Zoom, Fixed/Variable-Speed, Digital Controller (Pelco KBD200A) .....	649.31		37.07
28 21 31 00-0816	EA	Pushbutton/Joystick Desktop Controls For Pan/Tilt/Zoom, Fixed/Variable-Speed, Digital Controller (Pelco KBD300A) .....	1,095.97		37.07
28 21 31 00-0817		<b>Lock Boxes</b> (28 21 31 00-0748)			
28 21 31 00-0818	EA	VCR Lock Box (Pelco LB1000) .....	397.62		40.71
		<i>For Wall Mount, Add</i>	165.00		
28 21 31 00-0819	EA	Computer Disk Drive Lock Box (Pelco LB2000) .....	406.68		40.71
28 21 31 00-0820	EA	VCR And Multiplexer Lock Box (Pelco LB3000) .....	741.90		40.71
		Note: Includes storage for 32 VCR tapes.			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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28 21 31 00-0821			<b>Test And Certification Of Surveillance Camera System (28 21 31)</b>		
28 21 31 00-0822	DAY		Test And Certification Of Surveillance Camera System To Tie Into Existing Systems .....	860.85	
28 21 31 00-0823	HR		Test And Certification Of Surveillance Camera System.....	269.02	

28 21 31 00-0824			<b>Programming Of Surveillance Camera System (28 21 31)</b>		
28 21 31 00-0825	HR		Programming Of Surveillance Camera System .....	322.82	

28 21 31 00-0826			<b>Removal And Reinstallation Of Cameras (28 21 31)</b>		
Note: Includes storage, cleaning and supply materials.					
28 21 31 00-0827	EA		Removal And Reinstallation Of Camera System .....	488.58	

## 28 40 Life Safety (28)

Note: Includes testing of new devices and certification.

### 28 42 Gas Detection and Alarm (28 42)

#### 28 42 11 Gas Detection and Alarm Control, GUI, and Logic Systems (28 42)

28 42 11 00-0001			<b>Monitoring System For Underground Tanks (28 42 11)</b>		
28 42 11 00-0002			<b>Continuous Leak Detection System (28 42 11 00-0001)</b>		
Note: Includes calibration, electronic control module and probes. Excludes sample wells, electrical power supply and sensor cable.					
28 42 11 00-0003	EA		Single Channel Underground Tank Monitoring System .....	5,508.61	444.34
28 42 11 00-0004	EA		2 Channel Underground Tank Monitoring System .....	7,427.87	592.81
28 42 11 00-0005	EA		3 Channel Underground Tank Monitoring System .....	10,378.66	635.07
28 42 11 00-0006	EA		4 Channel Underground Tank Monitoring System .....	11,266.37	888.67
28 42 11 00-0007	EA		Control Panel, 1-8 Tanks, Single Wall Tank Monitoring System .....	7,563.40	75.86
28 42 11 00-0008	EA		Control Panel, 1-4 Tanks, Double Wall Tank Monitoring System .....	6,820.21	67.74
28 42 11 00-0009	EA		Control Panel, 1-8 Tanks, Double Wall Tank Monitoring System .....	8,959.86	75.86
28 42 11 00-0010	EA		Tank Leak Detection Probe .....	2,768.85	16.26
28 42 11 00-0011	EA		Secondary Containment Collar Probe .....	340.90	6.51
28 42 11 00-0012	EA		Interstitial Leak Detection Probe .....	625.91	13.54
28 42 11 00-0013	EA		Liquid Phase Detection .....	2,062.96	40.64
28 42 11 00-0014	EA		Hydrocarbon Vapor, Fixed .....	1,906.22	40.64
28 42 11 00-0015	EA		Hydrocarbon Vapor, Float Mounted .....	2,224.85	46.06
28 42 11 00-0016	EA		Liquid And Vapor Hydrocarbon .....	2,538.34	46.06

#### 28 42 15 Gas Detection Sensors (28 42)

28 42 15 00-0001			<b>Hydrogen Gas Detection (28 42 15)</b>		
28 42 15 00-0002	EA		Hydrogen Gas Detector Sensor, 1% Fan Relay, 2% Alarm (SBS HGDI-DR) .....	1,633.63	40.71
28 42 15 00-0003	EA		Hydrogen Gas Detector Junction Box (SBS HGDI-JB) .....	87.85	13.57
28 42 15 00-0004	EA		Remote Display With 25' Cable For Hydrogen Gas Detector (SBS HGDI-REM) .....	419.62	40.71

### 28 43 Fuel Oil Detection and Alarm (28 40)

See CSI section 28 42 00 00-0000 for detection and alarms.

### 28 46 Fire Detection and Alarm (28 40)

#### 28 46 13 Fire-Alarm Systems (28 46)

##### 28 46 13 31 Proprietary Supervising-Station Fire-Alarm Systems (28 46 13)

Note: Includes programming of equipment, testing and certification of new devices.

28 46 13 31-0001			<b>Edwards Fire Alarm (28 46 13 31)</b>		
28 46 13 31-0002			<b>EST3 Life Safety And Security Control (28 46 13 31-0001)</b>		
28 46 13 31-0003			<b>EST3 Network (28 46 13 31-0002)</b>		
28 46 13 31-0004			<b>Remote Annunciators (28 46 13 31-0003)</b>		
28 46 13 31-0005	EA		Remote LCD Command Module Annunciator (EST3 3-LCDANN).....	1,326.34	81.43
Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.					
28 46 13 31-0006	EA		Six Position Base Annunciator (EST3 3-6ANN).....	1,082.95	81.43
Note: Includes door, CPU card, two annunciator support modules and five blank filler plates. Space provided for up to four Control/Display Modules and one 3-LCD Liquid Crystal Display Module.					
28 46 13 31-0007	EA		Ten Position Base Annunciator (EST3 3-10ANN).....	1,366.75	81.43
Note: Includes door, CPU card, two annunciator support modules and nine blank filler plates. Space provided for up to eight Control/Display Modules and one 3-LCD Liquid Crystal Display Module.					
28 46 13 31-0008	EA		Annunciator CPU (EST3 3-ANNCPU3) .....	875.19	81.43
Note: One Required per graphic annunciator.					
28 46 13 31-0009	EA		Annunciator Support Module (EST3 3-ANNSM) .....	162.68	27.15
Note: Takes one space in Annunciator box. Supports one Control/Display module.					
28 46 13 31-0010	EA		Liquid Crystal Display Module (EST3 3-LCD) .....	566.64	81.43
Note: Mounts over 3-CPU(1).					
28 46 13 31-0011	EA		Liquid Crystal Display Module (EST3 3-LCDXL).....	676.19	81.43
Note: Mounts over 3-ANNCPU plus two spaces.					
28 46 13 31-0012	EA		LED/SWITCH Driver Module Assembly For Third Part Graphics (EST3 3-EVDVRA) .....	637.79	81.43
Note: Assembled version of 3-EVDVR, comes packaged with cables, mounting hardware installation instructions used for third party graphics. Mounts in 3-EVDVRX.					

**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0013	EA		Power Supply Assembly With 19" Rail Mounting Chassis Assembly (EST3 3-EVPWRA).....737.83 Note: Assembled version of 3-EVPWR, comes packaged with cables, mounting hardware and mounting plate for 3-ANNCPU1. Used for third party graphics.	737.83	54.28
28 46 13 31-0014	EA		Plastic Mounting Extrusion 19" Mounting (EST3 3-EVDVRX).....114.36 Note: Mounts up to three 3-EVDVRA modules.	114.36	27.15
28 46 13 31-0015	EA		Central Processor Unit Module (EST3 3-CPU3) .....1,568.69 Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.	1,568.69	81.43
28 46 13 31-0016	EA		120 Volt AC, 50/60 Hertz, Primary Power Supply With Local Rail Module (EST3 3-CPU3) .....1,379.56 Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.	1,379.56	27.15
<b>28 46 13 31-0017</b>			<b>Remote Annunciators Cabinets (28 46 13 31-0003)</b>		
28 46 13 31-0018	EA		Remote LCD Command Module Flush Mount LCD Wallbox (EST3 RLCMB/B).....123.00	123.00	27.15
28 46 13 31-0019	EA		Remote LCD Command Module Surface Mount LCD Wallbox (EST3 RLCMB/B-S).....112.15	112.15	21.71
28 46 13 31-0020	EA		Six Position LED/LCD Flush Wallbox (EST3 6ANN/B) .....138.25	138.25	27.15
28 46 13 31-0021	EA		Six Position LED/LCD Surface Wallbox (EST3 6ANN/B-S) .....127.40	127.40	21.71
28 46 13 31-0022	EA		Ten Position LED/LCD Flush Wallbox (EST3 10ANN/B) .....152.56	152.56	27.15
28 46 13 31-0023	EA		Ten Position LED/LCD Surface Wallbox (EST3 10ANN/B-S) .....141.71	141.71	21.71
<b>28 46 13 31-0024</b>			<b>Audio And Telephone Masters (28 46 13 31-0003)</b>		
28 46 13 31-0025	EA		Audio Source Unit With Local Microphone And Firefighters' Telephone (EST3 3-ASU/FT) .....4,301.13	4,301.13	108.58
28 46 13 31-0026	EA		Audio Source Unit With Local Microphone (Provides Four Local Rail Spaces) (EST3 3-ASU/4) .....2,401.65	2,401.65	108.58
28 46 13 31-0027	EA		Audio Source Unit With Local Microphone And Inner Door Filler Plate (EST3 3-ASU) .....1,901.47	1,901.47	108.58
28 46 13 31-0028	EA		Fire Fighters Telephone Control Unit With Inner Door Filler Plate (EST3 3-FTCU) .....2,271.05	2,271.05	108.58
28 46 13 31-0029	EA		Audio Source Unit Memory Expansion, 100 Minutes (EST3 3-ASUMX/100) .....2,591.54	2,591.54	108.58
28 46 13 31-0030	EA		Zoned Amplifier, 95 Watt, Class B. 95 Watt Selectable For 25 Or 70 Vrms Class B Output. Mounts In 2 LRM Spaces (EST3 3-ZA95).....1,880.69	1,880.69	54.28
<b>28 46 13 31-0031</b>			<b>Battery Distribution Unit (28 46 13 31-0003)</b>		
28 46 13 31-0032	EA		Battery Distribution Unit (EST3 3-BTSEN) .....487.84	487.84	379.28
<b>28 46 13 31-0033</b>			<b>Remote Booster Power Supply (28 46 13 31-0003)</b>		
28 46 13 31-0034	EA		6.5 Amperes, 120 Volt AC, Booster Power Supply (EST3 BPS6A) .....756.53	756.53	81.43
28 46 13 31-0035	EA		10 Amperes, 110 Volt AC Booster Power Supply (EST3 BPS10).....862.16	862.16	81.43
28 46 13 31-0036	EA		10 Amperes, 220 Volt AC Booster Power Supply (EST3 BPS10220) .....939.99	939.99	81.43
28 46 13 31-0037	EA		Tamper Switch - For CAB7, 14 And 21 Series Cabinets (EST3 3-TAMP) .....125.56	125.56	27.15
<b>28 46 13 31-0038</b>			<b>Batteries And Battery Cabinets (28 46 13 31-0003)</b>		
28 46 13 31-0039	EA		1.2 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V1A2 (1.2 Ampere Hours)).....96.55	96.55	27.15
28 46 13 31-0040	EA		4 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V4A (4.5 Ampere Hours)).....119.50	119.50	27.15
28 46 13 31-0041	EA		24 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V24A (26 Ampere Hours)).....277.82	277.82	27.15
28 46 13 31-0042	EA		6.5 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V6A5 (7.2 Ampere Hours)).....128.68	128.68	27.15
28 46 13 31-0043	EA		40 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V40A (40 Ampere Hours)).....351.31	351.31	27.15
28 46 13 31-0044	EA		10 Amperes Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V10A (11 Ampere Hours)) .....199.17	199.17	27.15
28 46 13 31-0045	EA		50 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V50A (50 Ampere Hours)) .....709.39	709.39	27.15
28 46 13 31-0046	EA		17 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V17A (18 Ampere Hours)) .....203.90	203.90	27.15
28 46 13 31-0047	EA		65 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V65A (65 Amp Hours)) .....853.37	853.37	27.15
28 46 13 31-0048	EA		8 Ampere Hours, 6 Volt DC, Sealed Lead Acid Battery (EST3 6V8A (8 Amp Hours)).....115.02	115.02	27.15
28 46 13 31-0049	EA		10 Ampere Hours, 6 Volt DC, Sealed Lead Acid Battery (EST3 6V10A (12 Amp Hours)) .....103.56	103.56	27.15
28 46 13 31-0050	EA		14" x 18-1/4" x 7-1/4" Free Standing Battery Cabinet With Key Lock (EST3 BC-1).....364.59 Note: Supports up to 40 Ah batteries will hold up to two 12V24A batteries.	364.59	54.28
28 46 13 31-0051	EA		22" x 15" x 3-3/4" Grey Battery Cabinet (EST3 BC-2).....302.79 Note: Holds up to two 12V17A batteries.	302.79	54.28
28 46 13 31-0052	EA		Remote Closet Enclosure (EST3 3-RCC7R) .....1,024.53	1,024.53	108.58
28 46 13 31-0053	EA		Remote Closet Enclosure (EST3 3-RCC14R) .....1,267.85	1,267.85	108.58
28 46 13 31-0054	EA		Remote Closet Enclosure (EST3 3-RCC21R) .....1,772.40	1,772.40	108.58
<b>28 46 13 31-0055</b>			<b>Serial Printer (28 46 13 31-0003)</b>		
28 46 13 31-0056	EA		System Printer - Desk Top Style (EST3 PT-1S) .....983.17	983.17	27.15
<b>28 46 13 31-0057</b>			<b>Intelligent Analog Initiating Devices (28 46 13 31-0002)</b>		
<b>28 46 13 31-0058</b>			<b>Detectors, Signature (28 46 13 31-0057)</b>		
28 46 13 31-0059	EA		Intelligent 4D Multisensor Detector For Ionization, Photoelectric, And Heat (EST3 SIGA-IPHS).....219.84	219.84	40.71
28 46 13 31-0060	EA		Black, Intelligent 4D Multisensor Detector For Ionization, Photoelectric, And Heat (EST3 SIGA-IPHSB).....246.55	246.55	40.71
28 46 13 31-0061	EA		Intelligent 3D Multisensor Detector For Photoelectric And Heat (EST3 SIGA-PHS) .....211.88	211.88	40.71
28 46 13 31-0062	EA		Intelligent Photoelectric Smoke Detector (EST3 SIGA-PS) .....188.01	188.01	40.71
28 46 13 31-0063	EA		Intelligent Ionization Smoke Detector (EST3 SIGA-IS) .....195.96	195.96	40.71
28 46 13 31-0064	EA		135 Degrees Fahrenheit, 15 Degrees Fahrenheit Per Minute, Intelligent Fixed Temperature/Rate-of-Rise Heat Detector (EST3 SIGA-HRS) .....161.39	161.39	40.71
28 46 13 31-0065	EA		135 Degree Fahrenheit, Intelligent Fixed Temperature Heat Detector (EST3 SIGA-HFS) .....161.39	161.39	40.71
28 46 13 31-0066	EA		Passive Infrared Motion Detector (EST3 SIGA-MD) .....253.66	253.66	40.71
28 46 13 31-0067	EA		Passive Infrared Motion Detector With Swivel Mount For Single Gang Boxes (EST3 SIGA-MDS).....279.73	279.73	40.71
28 46 13 31-0068	EA		Intelligent Photoelectric Smoke Detector (EST3 SIGA2-PS) .....236.73	236.73	40.71
28 46 13 31-0069	EA		Intelligent Combination Photo Electric And CO Sensor (EST3 SIGA2-PCOS) .....340.32	340.32	40.71
28 46 13 31-0070	EA		135 Degree Fahrenheit, Intelligent Fixed Temperature Heat Detector (EST3 SIGA2-HFS) .....198.07	198.07	40.71
28 46 13 31-0071	EA		135 Degrees Fahrenheit, 15 Degrees Fahrenheit Per Minute, Intelligent Fixed Temperature/Rate-of-Rise Heat Detector (EST3 SIGA2-HRS) .....198.07	198.07	40.71
28 46 13 31-0072	EA		Photoelectric, Heat, Intelligent 3D Multisensor Detector (EST3 SIGA2-PHS).....271.54	271.54	40.71

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>28 46 13 31-0073</b>			<b>Detectors, Duct Housings and Accessories, Signature</b> <small>(28 46 13 31-0057)</small>		
28 46 13 31-0074	EA		Superduct, Signature Duct Smoke Detector (EST3 SIGA-SD).....	443.22	67.86
28 46 13 31-0075	EA		Superduct, Test Magnet Kit (EST3 SD-MAG).....	19.76	
28 46 13 31-0076	EA		Superduct, 120" Air Sample Tube (EST3 SD-T120).....	59.06	16.29
28 46 13 31-0077	EA		Superduct, Remote Test Station, Keyed, 2-Wire And SIGA (EST3 SD-TRK).....	116.19	21.71
28 46 13 31-0078	EA		Duct Smoke Detector Test Station, 2-Gang Plastic Plate With Key Switch, 2 Keys, Use With Duct Detector Only (EST3 SIGA-DTS).....	156.58	21.71
28 46 13 31-0079	EA		High Temp Heat Detector, 194 Degree F, Combination Rate-Of-Rise And Fixed Temperature (EST3 282B-PL).....	70.12	21.71
<b>28 46 13 31-0080</b>			<b>Detectors, Smoke, Beam</b> <small>(28 46 13 31-0057)</small>		
28 46 13 31-0081	EA		Firearay 2000 Beam Alignment Aid, For Quick Alignment Of Beam Detector Transmitter And Receiver Heads (EST3 0201-01-A).....	152.84	
28 46 13 31-0082	EA		Firearay 2000 Beam Smoke Detector (By Fire Fighting Enterprises) (EST3 22310-18-01).....	1,797.31	40.71
			Note: Includes controller and remote mount transmitter and receiver head.		
28 46 13 31-0083	EA		Firearay 2000 Beam Detector Prism, Use To Reflect Beam When Mounting Transmitter And Receiver Heads On Same Wall (EST3 23901-00).....	109.13	13.57
28 46 13 31-0084	EA		Reflector, For EC-50R/-100R Reflective Beam Detectors (EST3 23901-01).....	129.58	13.57
28 46 13 31-0085	EA		160 - 330' Reflective Beam Detector (EST3 EC-100R).....	1,856.33	40.71
28 46 13 31-0086	EA		15 - 160' Reflective Beam Detector (EST3 EC-50R).....	1,583.26	40.71
28 46 13 31-0087	EA		Remote Test Station, For EC-50R/-100R Reflective Beam Detectors (EST3 EC-LLT).....	368.56	13.57
28 46 13 31-0088	EA		160 - 330' Self Adjusting Reflective Beam Detector (EST3 EC-5000R).....	1,956.97	40.71
<b>28 46 13 31-0089</b>			<b>Modules, Signature</b> <small>(28 46 13 31-0057)</small>		
28 46 13 31-0090	EA		Universal Class A/B Module - UIO Mount (EST3 SIGA-MAB).....	205.97	27.15
28 46 13 31-0091	EA		Class B Single Input Module (One Gang Standard Mount) (EST3 SIGA-CT1).....	110.82	27.15
28 46 13 31-0092	EA		Class B Dual Input Module (One Gang Standard Mount) (EST3 SIGA-CT2).....	150.25	27.15
28 46 13 31-0093	EA		Class B Dual Input UIO (Plug In) Module (EST3 SIGA-MCT2).....	184.67	27.15
28 46 13 31-0094	EA		Single Input (Riser) Module, Features A Built-In Ring Tone Generator, Use For Switching A Single Signal Or Audio Circuit (EST3 SIGA-CC1).....	165.13	27.15
28 46 13 31-0095	EA		Dual Input (Riser) Module, Use For Switching (Selecting) Either Of Two Signal Or Audio Input Circuits To One Signal Output Circuit (EST3 SIGA-CC2).....	173.31	27.15
28 46 13 31-0096	EA		Control Relay Module (One Gang Standard Mount) (EST3 SIGA-CR).....	131.65	27.15
			Note: Select for either N.O. or N.C. operation. Rated at 2 amperes (24 Volt DC).		
28 46 13 31-0097	EA		Control Relay UIO (Plug In) Module (EST3 SIGA-MCR).....	160.86	27.15
28 46 13 31-0098	EA		Single Input (Riser) Module With Strobe Synchronization Output (EST3 SIGA-CC1S).....	214.06	27.15
28 46 13 31-0099	EA		Universal Input/Output Module - Input With Programmable Output (EST3 SIGA-IO).....	208.72	27.15
28 46 13 31-0100	EA		Input/Output Module - UIO Mount, Multifunction Module With Input And Program (EST3 SIGA-MIO).....	200.76	27.15
28 46 13 31-0101	EA		Waterflow/Tamper Module (One Gang Standard Mount) (EST3 SIGA-WTM).....	184.26	157.13
28 46 13 31-0102	EA		Monitor Module (One Gang Standard Mount) (EST3 SIGA-MM1).....	135.49	27.15
			Note: Factory programmed for non-latching monitor operation.		
28 46 13 31-0103	EA		Single Input (Riser) Module, With Synchronization Output (EST3 SIGA-MCC1S).....	215.09	27.15
<b>28 46 13 31-0104</b>			<b>Module Accessories, Signature</b> <small>(28 46 13 31-0057)</small>		
			Note: Universal I/O motherboards are required for UIO plug-in modules. Module mounting plates can be used to mount multiple 1 and 2-gang modules.		
28 46 13 31-0105	EA		Module Mounting Bracket - For 4" Square Box, Mounting Kit Allows Installing 2 Single Gang Signature Modules Into A Single 4" Square Box (EST3 SIGA-MB4).....	53.88	13.57
28 46 13 31-0106	EA		Universal Input/Output Module Motherboard - 6 Position, Use For M Series Modules (EST3 SIGA-UIO6).....	182.10	27.15
28 46 13 31-0107	EA		Transient Protector - For Bell And Horn Circuits, Provides Transient Protection To -CC1, -MCC1, -CC2, -MCC2, -UM And -MAB Modules (EST3 235196P).....	20.27	8.14
28 46 13 31-0108	EA		Signature Module Mounting Plate, 1 Footprint, Space For Up To Four 2-Gang Signature Modules Or Eight 1-Gang Signature Modules (EST3 SIGA-MP1).....	63.09	13.57
28 46 13 31-0109	EA		Signature Module Mounting Plate, 1/2 Footprint, Space For Up To Two 2-Gang Signature Modules Or Four 1-Gang Signature Modules (EST3 SIGA-MP2).....	56.48	13.57
28 46 13 31-0110	EA		Signature Module Mounting Plate, 1/2 Extended Footprint, Space For Up To Three 2-Gang Signature Modules Or Six 1-Gang Signature Modules (EST3 SIGA-MP2L).....	59.09	13.57
<b>28 46 13 31-0111</b>			<b>Single Action Pull Stations, Signature</b> <small>(28 46 13 31-0057)</small>		
28 46 13 31-0112	EA		One Stage Fire Alarm Station, English Markings (EST3 SIGA-270).....	228.44	56.46
28 46 13 31-0113	EA		Two Stage (Pre Signal) Fire Alarm Station, English Markings (EST3 SIGA-270P).....	268.36	56.46
28 46 13 31-0114	EA		GA Key - For Pre Signal Station (EST3 276-K2).....	31.13	25.70
28 46 13 31-0115	EA		20 Glass Rods For SIGA-270 Series Stations (EST3 270-GLR).....	38.83	33.40
28 46 13 31-0116	EA		Surface Mount Box, Red - For SIGA-270 Series (EST3 276B-RSB).....	60.67	38.95
<b>28 46 13 31-0117</b>			<b>Double Action Pull Stations, Signature</b> <small>(28 46 13 31-0057)</small>		
28 46 13 31-0118	EA		Double Action (One Stage) Fire Alarm Station, English Markings (EST3 SIGA-278).....	197.11	56.46
28 46 13 31-0119	EA		12 Glass Rods For SIGA-278 Series (EST3 276-GLR).....	39.39	5.43
<b>28 46 13 31-0120</b>			<b>Detector Bases and Accessories, Signature</b> <small>(28 46 13 31-0057)</small>		
			Note: For raised floor and plenum applications. Order detector mounting base and detector separately. Compatible with -PS, and -PHS detectors and -SB, -RB and -IB bases.		
28 46 13 31-0121	EA		Audible (Sounder) Base (EST3 SIGA-AB4G).....	112.94	13.57
28 46 13 31-0122	EA		Surface Box - For Sounder Base, Use With -AB4G Models Only (EST3 AB4G-SB).....	43.20	13.57
28 46 13 31-0123	EA		Audible (Sounder) Base, Mounts To 4" Square, 2-1/8" Deep Box (EST3 SIGA-AB4).....	140.64	13.57
28 46 13 31-0124	EA		Detector (Smoke) Guard, Covers Detectors Mounted To Flush Boxes, Compatible With -IPHS And -PS Signature Detectors (EST3 SIGA-DG).....	80.49	13.57
28 46 13 31-0125	EA		Detector (Smoke) Guard Surface Box - For SIGA-DG (EST3 SIGA-DGSB).....	93.79	13.57

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Table with columns: MINOR, CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Contains detailed pricing for various fire detection and alarm components like detectors, controllers, relays, and strobes.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0191	EA		15/75 Candela Synchronized, 24 Volt DC, Red, Outdoor Listed, Strobe (EST3 CS405-7A-T).....	172.08	46.15
28 46 13 31-0192	EA		110 Candela Synchronized, 24 Volt DC, Red, Outdoor Listed, Strobe (EST3 CS405-8A-T).....	172.08	46.15
28 46 13 31-0193	EA		15 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-5A-T).....	128.29	40.71
28 46 13 31-0194	EA		30 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-3A-T).....	165.02	40.71
<b>28 46 13 31-0195</b>			<b>Fire Alarm Bells (28 46 13 31-0144)</b>		
28 46 13 31-0196	EA		10" Single Stroke Fire Alarm Bells, 24 Volt DC (EST3 323D-10AW).....	182.36	40.71
28 46 13 31-0197	EA		6" Vibrating Fire Alarm Bells, 24 Volt DC (EST3 439D-6AW).....	147.42	40.71
28 46 13 31-0198	EA		10" Vibrating Fire Alarm Bells, 24 Volt DC (EST3 439D-10AW).....	162.33	40.71
<b>28 46 13 31-0199</b>			<b>Multiple Tone Signal (28 46 13 31-0144)</b>		
28 46 13 31-0200	EA		27 Tone Selectable Signal, 24 Volt DC (EST3 5530MD-24AW).....	1,129.77	1,089.05
<b>28 46 13 31-0201</b>			<b>Multi-Purpose Loudspeaker (28 46 13 31-0144)</b>		
28 46 13 31-0202	EA		15 Watt Loudspeaker, Gray (EST3 HPSA15G2570).....	238.08	40.71
28 46 13 31-0203	EA		15 Watt Loudspeaker, Red (EST3 HPSA15R2570).....	238.08	40.71
<b>28 46 13 31-0204</b>			<b>Bell/Strobe Plate (28 46 13 31-0144)</b>		
28 46 13 31-0205	EA		Bell/Strobe Plate - 15cd (EST3 403-5A-R).....	120.64	21.71
<b>28 46 13 31-0206</b>			<b>Mounting Accessories (28 46 13 31-0144)</b>		
28 46 13 31-0207	EA		Surface Mount Box - Indoor, Red, 1-Gang (EST3 27193-11).....	58.83	21.71
28 46 13 31-0208	EA		One Gang Surface Mount Box, Red, No Bottom KO (EST3 27193-11-NY).....	58.83	21.71
28 46 13 31-0209	EA		Surface Mount Box - Indoor, White, 1-Gang (EST3 27193-16).....	58.83	21.71
28 46 13 31-0210	EA		Surface Mount Box - Indoor, Red, 2-Gang (EST3 27193-21).....	58.83	21.71
28 46 13 31-0211	EA		Surface Mount Box - Indoor, White, 2-Gang (EST3 27193-26).....	58.83	21.71
<b>28 46 13 31-0212</b>			<b>Firefighters' Telephones (28 46 13 31-0144)</b>		
28 46 13 31-0213	EA		Remote Telephone Warden Station - Flush, Red, 5' Armored Cable, Hinged Door With Magnetic Latch, 4-State (EST3 6830-NY-F4).....	1,017.52	67.86
28 46 13 31-0214	EA		Four State Remote Telephone Warden Station - Surface, Armored Cord (EST3 6830-NY-S4).....	576.63	67.86
28 46 13 31-0215	EA		Remote Telephone Warden Station - Flush, Armored Cord (EST3 6830-NY-F).....	417.85	67.86
28 46 13 31-0216	EA		Telephone Handset Assembly - Red c/w 60' Coiled Cord (EST3 6830-1).....	307.16	67.86
28 46 13 31-0217	EA		Remote Telephone Handset Station - 4-State, Red, 5' Coiled Cord (EST3 6830-4).....	556.86	67.86
28 46 13 31-0218	EA		Three State Telephone Handset Assembly - Red, 60" Coiled Cord, Push To Talk Button (EST3 6830-5A).....	346.67	67.86
28 46 13 31-0219	EA		Remote Telephone Handset Station - 4-State, Red, 'Push To Talk' Button, 5' Coiled Cord (EST3 6830-5A-4).....	626.84	67.86
28 46 13 31-0220	EA		Three State Telephone Handset Assembly - Red, 60" Armored Cord, Push To Talk Button (EST3 6830-6A).....	359.83	67.86
28 46 13 31-0221	EA		Remote Telephone Handset Station - 4-State, Red, 'Push To Talk' Button, 5' Armored Cable (EST3 6830-6A-4).....	716.44	67.86
28 46 13 31-0222	EA		Portable Handset Receptacle, 1 Gang Stainless Steel Faceplate (EST3 6833-1).....	80.38	21.71
28 46 13 31-0223	EA		Portable Telephone Receptacle - 1-Gang, SS, 4-State (EST3 6833-4).....	91.84	21.71
28 46 13 31-0224	EA		Portable Telephone Handset - Black, Coiled Cord (EST3 6830-3).....	124.88	
28 46 13 31-0225	EA		Portable Telephone Handset - Red, Coiled Cord (EST3 6700-0061).....	124.88	
28 46 13 31-0226	EA		Frontplate - Flush Mount, Red Finish, Break Glass Type, With Two Keys (EST3 6831-1).....	191.84	27.15
28 46 13 31-0227	EA		Frontplate - Flush Mount, Red Finish, Non Break Glass Type With Two Keys (EST3 6831-2).....	237.46	27.15
28 46 13 31-0228	EA		Frontplate - Surface Mount, Red Finish, Break Glass Type, With Two Keys (EST3 6831-3).....	169.02	27.15
28 46 13 31-0229	EA		Frontplate - Surface Mount, Red Finish, Non Break Glass Type, With Two Keys (EST3 6831-4).....	162.32	27.15
28 46 13 31-0230	EA		Wallbox - Flush Or Surface Mount, Red Finish, 14" x 8-1/2" x 3-1/2" (EST3 6832-1).....	123.11	40.71
28 46 13 31-0231	EA		Portable Handset Storage Cabinet, Surface Mount, With Keylock, Red Finish (EST3 TCS-6).....	1,047.99	54.28
<b>28 46 13 31-0232</b>			<b>Mass Notification EC Appliances (28 46 13 31-0144)</b>		
28 46 13 31-0233	EA		G1 Wall, Strobe, White Housing, Alert Markings, Amber Lens (EST3 G1WA-VMA).....	143.58	40.71
28 46 13 31-0234	EA		G1 Wall, Strobe, White Housing, Alert Markings, Clear Lens (EST3 G1WA-VMC).....	138.84	40.71
28 46 13 31-0235	EA		G1 Wall, Strobe, White Housing, No Markings, Amber Lens (EST3 G1WN-VMA).....	143.58	40.71
28 46 13 31-0236	EA		G1 Wall, Strobe, White Housing, No Markings, Clear Lens (EST3 G1WN-VMC).....	138.84	40.71
28 46 13 31-0237	EA		G1 Wall, White Trim Ring, Alert Marking (EST3 G1WT-ALERT).....	21.96	8.14
<b>28 46 13 31-0238</b>			<b>Hazardous Location Devices (28 46 13 31-0002)</b>		
<b>28 46 13 31-0239</b>			<b>Detectors, Rate Compensation Heat, For Explosion/Weather/Moisture Proof And Ordinary Location (28 46 13 31-0238)</b>		
28 46 13 31-0240	EA		Heat Detector, Rate Compensation, Interior Vertical Surface Mount FM And UL, 135 Degree F (EST3 302-135).....	119.78	40.71
28 46 13 31-0241	EA		Heat Detector, Rate Compensation, Interior Vertical Surface Mount FM And UL, 194 Degree F (EST3 302-194).....	119.78	40.71
28 46 13 31-0242	EA		Heat Detector - Rate Compensation, All-Weather Vertical Mounting, FM And UL, 135 Degree F (EST3 302-AW-135).....	123.91	40.71
28 46 13 31-0243	EA		Heat Detector - Rate Compensation, All-Weather Vertical Mounting, FM And UL, 194 Degree F (EST3 302-AW-194).....	123.91	40.71
28 46 13 31-0244	EA		Heat Detector, Rate Compensation, Explosion Proof Mounting, Interior Vertical Surface Mount FM And UL, 135 Degree F, Requires JALX-11 Or Equal (EST3 302-EPM-135).....	162.10	40.71
28 46 13 31-0245	EA		Heat Detector, Rate Compensation, Explosion Proof Mounting, Interior Vertical Surface Mount FM And UL, 194 Degree F, Requires JALX-11 Or Equal (EST3 302-EPM-194).....	162.10	40.71
28 46 13 31-0246	EA		Heat Detector, Rate Compensation, All-Weather Vertical, Box Mount (1/2" NPT), FM And UL, 135 Degree F, Requires STONCO27 Or Equal (EST3 302-ET-135).....	123.91	40.71
28 46 13 31-0247	EA		Heat Detector, Rate Compensation, All-Weather Vertical, Box Mount (1/2" NPT), FM And UL, 194 Degree F, Requires STONCO27 Or Equal (EST3 302-ET-194).....	123.91	40.71

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0248			<b>Hazardous Locations Fire Alarm Station</b> (28 46 13 31-0238)		
28 46 13 31-0249	EA		Hazardous Location Fire Alarm Station (EST3 XAL53) .....	1,077.30	67.86
28 46 13 31-0250	EA		Explosion Proof, Weatherproof, Fire Alarm Station, Single Action, Cat 45 Key Reset, Terminal Connections, DPDT (EST3 MPSR1-D45WX-GE) .....	1,026.14	67.86
28 46 13 31-0251			<b>Hazardous Location Strobes</b> (28 46 13 31-0238)		
28 46 13 31-0252	EA		Explosion Proof Strobe (EST3 116DEXSTC-FJ) .....	1,591.03	40.71
28 46 13 31-0253	EA		Wall Bracket Mounting Elbow (EST3 116EX-B) .....	297.96	13.57
28 46 13 31-0254	EA		Ceiling / Wall Mounting Module (EST3 116EX-C) .....	389.55	16.29
28 46 13 31-0255	EA		Pendant Mounting Module (EST3 116EX-P) .....	286.59	16.29
28 46 13 31-0256			<b>Hazardous Location Bells</b> (28 46 13 31-0238)		
28 46 13 31-0257	EA		6" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-6AW) .....	1,150.04	40.71
28 46 13 31-0258	EA		8" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-8AW) .....	1,179.65	40.71
28 46 13 31-0259	EA		10" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-10AW) .....	1,190.32	40.71
28 46 13 31-0260			<b>Hazardous Location Horns</b> (28 46 13 31-0238)		
28 46 13 31-0261	EA		Hazardous Location Horns (EST3 888D-N5) .....	1,124.52	40.71
28 46 13 31-0262	EA		Explosion Proof Horn, Diode Polarized, 24 Volt DC (EST3 889D-AW) .....	919.59	40.71
28 46 13 31-0263			<b>Door Holders And Relays</b> (28 46 13 31-0002)		
28 46 13 31-0264			<b>Electromagnetic Door Holders</b> (28 46 13 31-0263)		
28 46 13 31-0265	EA		24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Single, Floor Mount (EST3 1501-AQN5) .....	206.76	40.71
28 46 13 31-0266	EA		24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Double, Floor Mount (EST3 1502-AQN5) .....	266.20	40.71
28 46 13 31-0267	EA		24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Flush, Wall Mount (EST3 1504-AQN5) .....	176.41	40.71
28 46 13 31-0268	EA		24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Flush, Wall Mount, Short Catch Plate (EST3 1505-AQN5) .....	176.41	40.71
28 46 13 31-0269	EA		24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Surface, Wall Mount (EST3 1508-AQN5) .....	179.16	40.71
28 46 13 31-0270	EA		24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Completely Flush, Wall Mount (EST3 1509-AQN5) .....	181.77	40.71
28 46 13 31-0271			<b>Control Relays, Multi-Voltage</b> (28 46 13 31-0263)		
28 46 13 31-0272	EA		Single SPDT With LED, Adhesive Tape Mounting (EST3 PAM1) .....	41.79	8.14
28 46 13 31-0273			<b>FireShield Plus</b> (28 46 13 31-0002)		
28 46 13 31-0274			<b>3 Zone System</b> (28 46 13 31-0273)		
28 46 13 31-0275	EA		Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP302R) .....	1,136.96	325.72
28 46 13 31-0276	EA		Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP302RD) .....	1,650.14	434.28
28 46 13 31-0277	EA		Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP302G) .....	1,136.96	325.72
28 46 13 31-0278	EA		Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP302GD) .....	1,650.14	434.28
28 46 13 31-0279	EA		Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Gray (EST3 F-TRIM35G) .....	78.36	13.57
28 46 13 31-0280	EA		Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Red (EST3 F-TRIM35R) .....	78.36	13.57
28 46 13 31-0281			<b>5 Zone System</b> (28 46 13 31-0273)		
28 46 13 31-0282	EA		Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP502R) .....	1,219.85	325.72
28 46 13 31-0283	EA		Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP502RD) .....	1,728.30	434.28
28 46 13 31-0284	EA		Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP502G) .....	1,219.85	325.72
28 46 13 31-0285	EA		Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP502GD) .....	1,728.30	434.28
28 46 13 31-0286	EA		Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Gray (EST3 F-TRIM35G) .....	78.36	13.57
28 46 13 31-0287	EA		Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Red (EST3 F-TRIM35R) .....	78.36	13.57
28 46 13 31-0288			<b>10 Zone System</b> (28 46 13 31-0273)		
28 46 13 31-0289	EA		Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries (EST3 FSP1004R) .....	1,756.72	434.28
28 46 13 31-0290	EA		Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP1004RD) .....	2,269.91	542.86
28 46 13 31-0291	EA		Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries (EST3 FSP1004G) .....	1,721.20	434.28
28 46 13 31-0292	EA		Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP1004GD) .....	2,269.91	542.86
28 46 13 31-0293	EA		Semi Flush Trim Kit For 10 Zone Enclosures, Gray (EST3 F-TRIM10G) .....	91.19	13.57
28 46 13 31-0294	EA		NAC Power Expansion Transformer, 120 Volt AC, Increases 10 Zone FACP NAC (EST3 F-XTR120) .....	167.05	27.15



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>28 46 13 31-0295 FireShield Plus Off Premise Communication Options (28 46 13 31-0273)</b>					
28 46 13 31-0296	EA		F-Series Upload/Download DACT And Modem, Dual Line, With 2x16 LCD (EST3 F-DACT).....	362.17	27.15
<b>28 46 13 31-0297 FireShield Plus Remote LED Annunciators (28 46 13 31-0273)</b>					
28 46 13 31-0298	EA		Remote System Indicator, Power, Alarm, Supervisory, Trouble And Ground Fault LED's With Local Buzzer, Single Gang, And White Trim Plate (EST3 FSRSI).....	158.28	40.71
28 46 13 31-0299	EA		Remote Zone Indicator, Contains 5 Red LED's For Alarm Zone Indication, With Jumper Selectable Zone Settings, Single Gang, And White Trim Plate (EST3 FSRZI-A).....	158.28	40.71
28 46 13 31-0300	EA		Remote Zone Indicator, Contains 5 Bi-Color LED's (Red/Yellow) For Alarm Or Supervisory Zone Indication, With Jumper Selectable Zone Settings, Single Gang, And White Trim Plate (EST3 FSRZI-SA).....	164.32	40.71
28 46 13 31-0301	EA		Remote Annunciator Trim Plate - 2 Gang - White (EST3 FSAT2).....	31.69	8.14
28 46 13 31-0302	EA		Remote Annunciator Trim Plate - 3 Gang - White (EST3 FSAT3).....	39.42	8.14
28 46 13 31-0303	EA		Remote Annunciator Trim Plate - 4 Gang - White (EST3 FSAT4).....	57.99	8.14
<b>28 46 13 31-0304 FireShield Plus Remote 10 Zone LED Annunciators (28 46 13 31-0273)</b>					
28 46 13 31-0305	EA		Remote LED Annunciator, With Common System Indicators, 10 Zone Indicators, White Housing, Mounts To 4" Electrical Box, For Use With 10 Zone Panels Only (EST3 FSRA10).....	484.05	40.71
28 46 13 31-0306	EA		Remote LED Annunciator, With Common System Indicators, 10 Zone Indicators And Common Control Switches, White Housing, Mounts To 4" Electrical Box, For Use With 10 Zone Panels Only (EST3 FSRA10C).....	531.42	40.71
28 46 13 31-0307	EA		Single Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Gray (EST3 RA-ENC1).....	172.70	27.15
<b>28 46 13 31-0308 FireShield Plus Remote Relays And Interfaces (28 46 13 31-0273)</b>					
28 46 13 31-0309	EA		Remote Relay Module, 5 Form C Contacts, Jumper Selectable Operation, With Mounting Track (EST3 FSRRM24).....	182.36	27.15
28 46 13 31-0310	EA		11" Snap Track Holds 2-4 RRM's, Used To Mount FSRRM's In MFC-A Or Other Listed Enclosure, MFC-A Will Hold Two FSRRM-11S (EST3 FSRRM-S11).....	76.20	16.29
28 46 13 31-0311	EA		Common Function Graphic Driver/Interface - 9 Relays And 5 Switch Inputs For Common System Indicators And Controls (EST3 FSUIM).....	288.75	27.15
<b>28 46 13 31-0312 FireShield Plus Accessories (28 46 13 31-0273)</b>					
28 46 13 31-0313	EA		Resistor Kit With 1-3.6K And 1-1.1K (46071-0409) (EST3 EOL3.6-1.1).....	17.20	
28 46 13 31-0314	EA		4.7k UL End Of Line Resistor With FireShield Panels (EST3 EOL47PK7).....	10.71	
<b>28 46 13 31-0315 iO Series Fire Control Panels (28 46 13 31-0002)</b>					
<b>28 46 13 31-0316 Intelligent Analog Control Panels (28 46 13 31-0315)</b>					
28 46 13 31-0317	EA		FACP, 1 Intelligent Loop Supporting 125 Detectors/125 Modules, 2nd Loop Optional, 4 Class B NAC's, 6.5 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 18a/h Batteries, English (EST3 iO500G).....	3,421.94	542.86
28 46 13 31-0318	EA		FACP, 1 Intelligent Loop Supporting 125 Detectors/125 Modules, 2nd Loop Optional, 4 Class B NAC's, 6.5 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 18 Amp/hour Batteries, With Dual Line Dialer/Modem, English (EST3 iO500GD).....	3,651.67	542.86
28 46 13 31-0319	EA		FACP, 1 Loop, 64 Intelligent Devices Max, 2 Class B NAC's, 4.25 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 10 Amp/hour Batteries, English (EST3 iO64G).....	2,731.88	434.28
28 46 13 31-0320	EA		FACP, 1 Loop, 64 Intelligent Devices Max, 2 Class B NAC's, 4.25 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 10 Amp/hour Batteries, With Dual Line Dialer/Modem, English (EST3 iO64GD).....	2,838.45	434.28
<b>28 46 13 31-0321 Option Modules And Accessories For iO Series (28 46 13 31-0315)</b>					
28 46 13 31-0322	EA		16 Zone LED Annunciator, 2 LED's Per Zone, Customizable Insert Labels, Left Side Mounting, Zones 1-16 (EST3 D16L-iO-1).....	318.27	40.71
28 46 13 31-0323	EA		16 Zone LED Annunciator, 2 LED's Per Zone, Customizable Insert Labels, Right Side Mounting, Zones 17-32, Requires D16L-iO-1 (EST3 D16L-iO-2).....	199.85	40.71
28 46 13 31-0324	EA		Serial Interface, RS232, 4 Terminal Connections For Supervised/Unsupervised Printers And Connection To PC's (EST3 SA-232).....	199.85	40.71
28 46 13 31-0325	EA		Class A NAC Module, For 64 Point Systems Only, Mounts To Main Board (EST3 SA-CLA).....	172.70	27.15
28 46 13 31-0326	EA		Dialer/Modem, Two Telephone Line Connections, RJ31, Mounts To Base Plate (EST3 SA-DACT).....	351.32	21.71
28 46 13 31-0327	EA		Ethernet Port Interface, RJ45, Mounts To Base Plate (EST3 SA-ETH).....	635.52	21.71
28 46 13 31-0328	EA		Trim Kit For Semi-Flush Mounting 64 Point Systems (EST3 SA-TRIM1).....	76.89	13.57
28 46 13 31-0329	EA		Trim Kit For Semi-Flush Mounting 500 Point Systems (EST3 SA-TRIM2).....	88.73	13.57
28 46 13 31-0330	EA		Expansion Loop For iO500 Systems, 125 Detectors/125 Modules, Mounts On Main Board (EST3 XAL250).....	1,174.35	54.28
<b>28 46 13 31-0331 Remote Annunciators For iO Series (28 46 13 31-0315)</b>					
28 46 13 31-0332	EA		Remote Annunciator, 80 Character LCD, Common System Indicators, Beige Housing, Mounts To 4" Box With Supplied Ring (EST3 RLCD).....	643.91	40.71
28 46 13 31-0333	EA		Remote Annunciator, 80 Character LCD, Common System Indicators And Controls, Beige Housing, Mounts To 4" Box With Supplied Ring (EST3 RLCD-C).....	673.52	40.71
<b>28 46 13 31-0334 Remote Annunciator Accessories (28 46 13 31-0315)</b>					
28 46 13 31-0335	EA		24 Expander Cable Assembly, With Cable And Hardware (EST3 730073).....	74.52	13.57
28 46 13 31-0336	EA		12 Expander Cable (Cable Only) (EST3 7120313-01).....	50.83	13.57
28 46 13 31-0337	EA		24 Expander Cable (Cable Only) (EST3 7120313-02).....	68.59	13.57
28 46 13 31-0338	EA		Single Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC1).....	199.85	40.71
28 46 13 31-0339	EA		Dual Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC2).....	229.44	40.71

**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0340	EA		Three Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC3).....	259.06	40.71
28 46 13 31-0341	EA		Blank Zone Card Insert For RLEDx Controllers (EST3 RA-LED16ZC).....	50.83	13.57
28 46 13 31-0342	EA		Blank Zone Card Insert For RLED24x Controllers (EST3 RA-LED24ZC).....	50.83	13.57
28 46 13 31-0343	EA		Remote Key Switch, Single Gang Mount, Provides Keyed Control To Enable/Disable Common Control Switches On Remote Annunciators (EST3 RKEY).....	102.58	13.57
<b>28 46 13 31-0344</b>			<b>System Accessories</b> (28 46 13 31-0315)		
28 46 13 31-0345	EA		Battery Cabinet, 14" x 18.25" x 7.25" Free Standing Cabinet With Key Lock, Supports Up To 40 Amp Hours Batteries, Will Hold Up To Two 12 Volt DC, 24 Ampere Batteries (EST3 BC-1).....	364.59	54.28
28 46 13 31-0346	EA		Isolator Module - RS232, For Use With Short Haul Modems, VDU-3, CCA Series, CGP Series And FCOM-232, Requires 1/2 Size Cabinet Footprint (EST3 IOP3A).....	1,676.67	434.28
<b>28 46 13 31-0347</b>			<b>Conventional Initiating Devices</b> (28 46 13 31-0002)		
<b>28 46 13 31-0348</b>			<b>Detectors, Heat, Double Pole</b> (28 46 13 31-0347)		
			Note: WARNING, Heat detectors are not Life Safety Devices, use for property protection only.		
28 46 13 31-0349	EA		Heat Detector, 135 Degree F Fixed Temperature (CF135-2).....	145.24	40.71
28 46 13 31-0350	EA		Heat Detector, 200 Degree F Fixed Temperature (CF200-2).....	145.24	40.71
28 46 13 31-0351	EA		Heat Detector, 135 Degree F ROR/Fixed Temperature (CR135-2).....	145.24	40.71
28 46 13 31-0352	EA		Heat Detector, 200 Degree F ROR/Fixed Temperature (CR200-2).....	145.24	40.71
<b>28 46 13 31-0353</b>			<b>Detectors, Rate Compensation Heat, Accessories</b> (28 46 13 31-0347)		
28 46 13 31-0354	EA		Heat Detector, Rate Compensation, Adapter Plate For Mounting 302 And 302-AW To Any 3 Outlet Box Or 4" Octagon Outlet Box (GE AP-P).....	89.96	40.71
28 46 13 31-0355	EA		Explosion Proof Outlet Body With Cover, 1/2" Threaded Hubs On Back, Four Sides And Cover (GE JALX11).....	237.01	21.71
28 46 13 31-0356	EA		4" Weatherproof, Octagon Backbox And Cover, 1/2" Threaded Hubs On Back, Four Sides And Cover (GE STONCO27).....	77.36	27.15
<b>28 46 13 31-0357</b>			<b>Detectors, Heat, Fire-Lite</b> (28 46 13 31-0347)		
			Note: WARNING, Heat detectors are not Life Safety Devices, use for property protection only.		
28 46 13 31-0358	EA		Explosion Heat Detector, 135 Degree F Fixed Temperature, Rate-Anticipation Heat Detector, All-Weather Vertical Mounting (302-EPM-135).....	136.18	40.71
28 46 13 31-0359	EA		Explosion Heat Detector, 194 Degree F Fixed Temperature, Rate-Anticipation Heat Detector, All-Weather Vertical Mounting (302-EPM-194).....	136.18	40.71
<b>28 46 13 31-0360</b>			<b>Audio Notification Systems (Standalone Voice Evacuation)</b> (28 46 13 31-0002)		
<b>28 46 13 31-0361</b>			<b>Audio Notification Panels</b> (28 46 13 31-0360)		
28 46 13 31-0362	EA		Audio Notification Panel, 100 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS100MDG).....	4,602.76	542.86
28 46 13 31-0363	EA		Audio Notification Panel, 100 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS100MDR).....	4,602.76	542.86
28 46 13 31-0364	EA		Audio Notification Panel, 25 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS25MDG).....	3,454.10	542.86
28 46 13 31-0365	EA		Audio Notification Panel, 25 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS25MDR).....	3,454.10	542.86
28 46 13 31-0366	EA		Audio Notification Panel, 50 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS50MDG).....	4,022.50	542.86
28 46 13 31-0367	EA		Audio Notification Panel, 50 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS50MDR).....	4,022.50	542.86
<b>28 46 13 31-0368</b>			<b>Audio Notification Expander Panels</b> (28 46 13 31-0360)		
28 46 13 31-0369	EA		Audio Expander Panel, 100W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS100XG).....	3,548.83	542.86
28 46 13 31-0370	EA		Audio Expander Panel, 100W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS100XR).....	3,548.83	542.86
28 46 13 31-0371	EA		Audio Expander Panel, 25 Watt Without DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS25XG).....	2,435.69	542.86
28 46 13 31-0372	EA		Audio Expander Panel, 25 Watt Without DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS25XR).....	2,435.69	542.86
28 46 13 31-0373	EA		Audio Expander Panel, 50W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS50XG).....	3,087.00	542.86
28 46 13 31-0374	EA		Audio Expander Panel, 50W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS50XR).....	3,087.00	542.86
<b>28 46 13 31-0375</b>			<b>Audio Notification Output Accessories</b> (28 46 13 31-0360)		
28 46 13 31-0376	EA		Zone Adapter, 1 Circuit To 2 Circuit's (GE ANSZC2B).....	133.73	13.57
28 46 13 31-0377	EA		Zone Splitter, 2 Class A Circuits With Zone Selection Switches And All-Call Switch (GE ANSZS2A).....	587.16	27.15
28 46 13 31-0378	EA		Zone Splitter, 4 Class B Circuits With Zone Selection Switches And All-Call Switch (GE ANSZS4B).....	587.16	27.15
28 46 13 31-0379	EA		Class A Converter (GE ANSZSC4A).....	421.38	27.15
<b>28 46 13 31-0380</b>			<b>Audio Notification Remote Microphone</b> (28 46 13 31-0360)		
28 46 13 31-0381	EA		Microphone (GE ANSMIKE).....	160.86	27.15
28 46 13 31-0382	EA		Remote Microphone, Supervised In Surface/Semi-Flush Gray Cabinet, Requires EVX-SC Card In Evacuation Panel (GE ANSREMG).....	646.37	27.15
28 46 13 31-0383	EA		Remote Microphone, Supervised In Surface/Semi-Flush Red Cabinet, Requires EVX-SC Card In Evacuation Panel (GE ANSREMR).....	646.37	27.15

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0384	EA		Remote Microphone Supervisory Card, One Per System, Supervises Up To 5 Remote Microphones (GE ANSREMSUP).....	145.57	13.57
28 46 13 31-0385	EA		Relay Card For Supervision/Zone Splitter To Remote Microphone (GE ANSZSR).....	80.43	13.57
<b>28 46 13 31-0386</b>			<b>Audio Notification Accessories (28 46 13 31-0360)</b>		
28 46 13 31-0387	EA		Audio Matching - Line Input/Output Card (GE ANSAUX).....	267.43	27.15
28 46 13 31-0388	EA		Class B Backup Amplifier Switching Module (GE ANSBKUP).....	267.43	27.15
28 46 13 31-0389	EA		Class A Backup Amplifier Switching Module (GE ANSBKUPA).....	267.43	27.15
28 46 13 31-0390	EA		Eight Input Remote Serial Interface Module, Accepts Dry Contact Interface To Control Up To 8 Messages, Message Recording Included With Module, For Industrial Signaling Only, Not UL Listed For Fire Alarm / Life Safety Applications (GE ANRSI8).....	587.16	27.15
<b>28 46 13 31-0391</b>			<b>Audio Notification Modules, Without Cabinet And Transformer (28 46 13 31-0360)</b>		
28 46 13 31-0392	EA		100W Expander Module (No Microphone OR DMR), Requires Transformer Ordered Separately (GE ANS100A)..... Note: Excludes cabinet.	2,133.54	54.28
28 46 13 31-0393	EA		100W Expander Module With Microphone (No DMR), Requires Transformer Ordered Separately (GE ANS100AM)..... Note: Excludes cabinet.	2,240.12	54.28
28 46 13 31-0394	EA		100W Audio Notification Module With DMR And Microphone, Requires Transformer Ordered Separately (GE ANS100AMD)..... Note: Excludes cabinet.	3,092.73	54.28
28 46 13 31-0395	EA		25 Watt Expander Module (No Microphone Or DMR), Requires Transformer Ordered Separately (GE ANS25A)..... Note: Excludes cabinet.	1,174.35	54.28
28 46 13 31-0396	EA		25 Watt Expander Module With Microphone (No DMR), Requires Transformer (GE ANS25AM)..... Note: Excludes cabinet.	1,174.35	54.28
28 46 13 31-0397	EA		25 Watt Audio Notification Module With DMR And Microphone, Requires Transformer Ordered Separately (GE ANS25AMD).....	2,133.54	54.28
28 46 13 31-0398	EA		50W Expander Module (No Microphone Or DMR) (GE ANS50A)..... Note: Excludes cabinet.	1,707.23	54.28
28 46 13 31-0399	EA		50W Expander Module With Microphone (No DMR) (GE ANS50AM)..... Note: Excludes cabinet.	1,813.81	54.28
28 46 13 31-0400	EA		50W Audio Notification Module With DMR And Microphone (GE ANS50AMD)..... Note: Excludes cabinet.	2,666.42	54.28
28 46 13 31-0401	EA		Power Transformer, Open Frame, 28 Volt AC At 180 VA (EVAX 50/100) (GE ANST28180).....	133.73	13.57
28 46 13 31-0402	EA		Power Transformer, Open Frame, 28 Volt AC At 100 VA (EVAX 25) (GE ANST2885).....	99.43	13.57
<b>28 46 13 31-0403</b>			<b>Simplex Fire Alarm (28 46 13 31)</b>		
<b>28 46 13 31-0404</b>			<b>4100 Fire Alarm Control Panel (28 46 13 31-0403)</b>		
28 46 13 31-0405	EA		4100U Master Controller Assembly With LCD And Operator Interface, 9 Amperes System Power Supply/Battery Charger (SPS), 250 Point IDNet Interface, 3 NACs, Auxiliary Relay And External RUI Communications Interface, 120 Volt AC Input (Simplex 4100-9111).....	5,758.63	541.87
28 46 13 31-0406	EA		4100ES NDU With Master Controller, LCD And Operator Interface, Network Interface Module (Select Media Card Separately), 9 Amperes System Power Supply/Battery Charger, And External RUI Communications Interface (Power Supply/Battery Charger Is An SPS With Its IDNet Channel And NACs Disabled), 120 Volt AC Input (Simplex 4100-9141).....	6,273.05	541.87
28 46 13 31-0407	EA		4100ES NDU With VCC Includes The First Bay Equipment Described For The NDU And A Second Bay Assembly With Separate: Master Controller For Voice Functions, Network Interface (Select Media Card Separately), And A Standard SPS With 250 Point IDNet Channel; And 3, 3 A Class A/B NACs Capable Of SmartSync Two-Wire Operation, 120 V Input (Simplex 4100-9142).....	8,967.36	541.87
28 46 13 31-0408	EA		Up To 127 Points, IDNet Module, (Simplex 4100-3104)..... Note: Add-on module.	3,737.04	541.87
28 46 13 31-0409	EA		Up To 64 Points, IDNet Module, (Simplex 4100-3105)..... Note: Add-on module.	2,952.51	541.87
28 46 13 31-0410	EA		Expansion Power Supply, 3 NACs, 120 Volt AC (Simplex 4100-5101)..... Note: Add-on module.	1,810.51	135.46
28 46 13 31-0411	EA		Alarm Relay, 3 Form C Relays, 2 Amperes At 32 Volt DC, For SPS Or RPS (Simplex 4100-6033)..... Note: Add-on module.	378.58	27.10
28 46 13 31-0412	EA		Dual Port RS-232 Interface Card (Simplex 4100-6038)..... Note: Add-on module.	1,080.57	27.10
<b>28 46 13 31-0413</b>			<b>4100U Backbox (28 46 13 31-0403)</b>		
28 46 13 31-0414	EA		2 Bay Backbox With Glass Door And Dress Panel (Simplex 2975-9425)..... Note: 24" x 40" beige backbox.	1,881.28	108.38
28 46 13 31-0415	EA		3 Bay Backbox With Glass Door And Dress Panel (Simplex 2975-9443)..... Note: 24" x 56" beige backbox.	2,644.53	108.38
<b>28 46 13 31-0416</b>			<b>DACT (Digital Alarm Communicator Transmitter) (28 46 13 31-0403)</b>		
28 46 13 31-0417	EA		6 Zone Fire Control Communicator (Silent Knight SK-5104).....	1,029.47	54.18
<b>28 46 13 31-0418</b>			<b>4010 Fire Alarm Control Panel (28 46 13 31-0403)</b>		
28 46 13 31-0419	EA		120 Volt AC Fire Alarm Control Panel With Door, Cabinet, Power Supply/Battery Charger, IDNet Interface, 4 NACs, 2 Programmable Auxiliary Relays, External N2 Communications Interface, And Internal Common Event Reporting DACT (Simplex 4010-9101).....	5,443.23	541.87
28 46 13 31-0420	EA		240 Volt AC Fire Alarm Control Panel With Door, Cabinet, Power Supply/Battery Charger, IDNet Interface, 4 NACs, 2 Programmable Auxiliary Relays, And External N2 Communications Interface (Simplex 4010-9201).....	5,286.92	541.87
28 46 13 31-0421	EA		Dual Circuit Class A NAC Adapter Module (Simplex 4010-9806).....	196.23	27.10
28 46 13 31-0422	EA		Dual RS-232 Interface Module Expansion Slot Option (Simplex 4010-9811).....	842.39	27.10
28 46 13 31-0423	EA		Single RS-232 Interface Module With Service Modem Connection Expansion Slot Option (Simplex 4010-9812).....	1,157.12	27.10
28 46 13 31-0424	EA		120 Volt AC, 4 Amperes, Expansion Power Supply Expansion Module (Simplex 4010-9813).....	595.91	27.10
28 46 13 31-0425	EA		240 Volt AC, 4 Amperes, Expansion Power Supply Expansion Module (Simplex 4010-9823).....	644.63	27.10

**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46	13 31-0426	EA	Battery Meter Module Expansion Module (Simplex 4010-9820).....	243.57	27.10
<b>28 46</b>	<b>13 31-0427</b>		<b>Printer</b> <small>(28 46 13 31-0403)</small>		
28 46	13 31-0428	EA	24 Pin Dot Matrix Printer (Simplex 4190-9013).....	1,861.84	27.10
<b>28 46</b>	<b>13 31-0429</b>		<b>NAC Panel / Power Booster</b> <small>(28 46 13 31-0403)</small>		
28 46	13 31-0430	EA	120 Volt AC, IDNet NAC Extender With 4, Class B (Style Y) NACs And 8 Amperes Power Supply (Simplex 4009-9201) ..... Note: Power supply for horns and strobes.	1,216.15	135.46
<b>28 46</b>	<b>13 31-0431</b>		<b>Battery</b> <small>(28 46 13 31-0403)</small>		
28 46	13 31-0432	EA	50 Ampere Hours Sealed Lead Acid Battery (Simplex 2081-9296) ..... Note: Two required for 24 volt DC.	754.56	27.10
28 46	13 31-0433	EA	33 Ampere Hours Sealed Lead Acid Battery (Simplex 2081-9276) ..... Note: Two required for 24 volt DC.	502.17	27.10
28 46	13 31-0434	EA	6.2 Ampere Hours Sealed Lead Acid Battery (Simplex 2081-9272) ..... Note: Two required for 24 volt DC.	182.48	27.10
<b>28 46</b>	<b>13 31-0435</b>		<b>Interface Modules</b> <small>(28 46 13 31-0403)</small>		
28 46	13 31-0436	EA	Supervised Individual Addressable Modules (Simplex 4090-9001) ..... Note: Monitor modules for waterflow/tamper, etc.	147.80	27.10
28 46	13 31-0437	EA	Relay Individual Addressable Modules (Simplex 4090-9002) ..... Note: Control modules for gas shutdown, door holders, etc.	303.59	27.10
28 46	13 31-0438	EA	Relay SPDT With LED MR-801/T (Simplex 2088-9032) ..... Note: Interface relay for 120VAC	74.40	27.10
28 46	13 31-0439	EA	SmartSync™ Adapter Module For Non-Addressable Notification Appliance Circuits (NACs) (Simplex 4905-9815).....	149.51	27.10
28 46	13 31-0440	EA	Surface Mount Cover Plate For SmartSync Adapter Module (Simplex 4905-9817).....	66.68	13.54
28 46	13 31-0441	EA	Flush Mount Cover Plate For SmartSync Adapter Module (Simplex 4905-9818).....	63.38	13.54
<b>28 46</b>	<b>13 31-0442</b>		<b>Pull Stations</b> <small>(28 46 13 31-0403)</small>		
28 46	13 31-0443	EA	Addressable Single Action Manual Pull Station (Simplex 4099-9001).....	181.22	27.10
28 46	13 31-0444	EA	N.O. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9101).....	130.06	27.10
28 46	13 31-0445	EA	N.C. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9102).....	139.94	27.10
28 46	13 31-0446	EA	Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9103).....	125.60	27.10
28 46	13 31-0447	EA	N.O. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9104).....	146.55	27.10
28 46	13 31-0448	EA	N.C. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9105).....	221.82	27.10
28 46	13 31-0449	EA	Single Action, Pre-Signal, N.O. Contacts, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9107).....	186.13	27.10
28 46	13 31-0450	EA	Break-Glass, Pre-Signal, N.O. Contacts, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9108).....	219.11	27.10
28 46	13 31-0451	EA	Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9754).....	102.57	27.10
28 46	13 31-0452	EA	Local Alarm Cover, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9755).....	108.60	27.10
28 46	13 31-0453	EA	Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9756).....	128.04	27.10
28 46	13 31-0454	EA	N.C. Contacts, Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9758).....	198.70	27.10
28 46	13 31-0455	EA	Pre-Signal, N.O. Contacts, Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9759).....	343.20	27.10
28 46	13 31-0456	EA	Institutional Cover, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9762).....	113.56	27.10
28 46	13 31-0457	EA	Surface Mount Steel Box For Manual Pull Station (Simplex 2975-9178).....	69.99	13.54
<b>28 46</b>	<b>13 31-0458</b>		<b>Weatherproof Pull Stations</b> <small>(28 46 13 31-0403)</small>		
28 46	13 31-0459	EA	Weather Proof Single Action Pull Station, Cast Metal, B Lock, SPST (Simplex 2099-9138).....	177.19	32.51
28 46	13 31-0460	EA	Surface Mount Cast Aluminum Box For Exterior Pull Station (Simplex 2975-9211).....	113.82	13.54
<b>28 46</b>	<b>13 31-0461</b>		<b>Heat / Smoke Sensor</b> <small>(28 46 13 31-0403)</small>		
28 46	13 31-0462	EA	32 To 122 Degree F Heat Sensor (Simplex 4098-9733).....	178.45	40.64
28 46	13 31-0463	EA	Photoelectric Smoke Sensor (Simplex 4098-9714).....	259.43	40.64
28 46	13 31-0464	EA	Sensor Base With Relay Driver (Simplex 4098-9791).....	503.70	13.54
28 46	13 31-0465	EA	Standard Sensor Base (Simplex 4098-9792).....	256.17	13.54
28 46	13 31-0466	EA	Remote Supervised Relay Accessory For Sensor Base With Relay Driver (Simplex 2098-9737)..... Note: Relay for 4098-9791	148.40	27.10
<b>28 46</b>	<b>13 31-0467</b>		<b>Explosion Proof Heat Detector</b> <small>(28 46 13 31-0403)</small>		
28 46	13 31-0468	EA	135 Degree F Explosion Proof Heat Detector (Simplex 2098-9488).....	188.81	40.64
28 46	13 31-0469	EA	Explosion Proof Backbox (Killark JLX-21).....	122.78	13.54
28 46	13 31-0470	EA	Explosion Proof Backbox Plugs (Killark CUP-2).....	11.26	2.71
<b>28 46</b>	<b>13 31-0471</b>		<b>Weatherproof Heat Detector</b> <small>(28 46 13 31-0403)</small>		
28 46	13 31-0472	EA	194 Degree F Fixed Hardwired Weatherproof Heat Detector (Simplex 2098-9490).....	136.78	40.64
<b>28 46</b>	<b>13 31-0473</b>		<b>200 Degree F Heat Detector</b> <small>(28 46 13 31-0403)</small>		
28 46	13 31-0474	EA	194 Degree F Heat Detector, ROR/Fixed Temperature (Simplex 5604)..... Note: Used in kiln rooms and kitchens.	113.52	40.64

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>28 46 13 31-0475</b>			<b>Duct Smoke Sensor</b> <small>(28 46 13 31-0403)</small>		
28 46 13 31-0476	EA		Duct Sensor Housing (Simplex 4098-9755).....	407.59	21.67
28 46 13 31-0477	EA		Duct Sensor Housing With Supervised Output For Multiple Remote Relays, 4-Wire (Simplex 4098-9756) ..... Note: Relay output for AHU shutdown.	550.26	48.77
28 46 13 31-0478	EA		46" To 71" Duct Sampling Tube (Simplex 2098-9798) .....	61.51	13.54
			Note: 25", 49", 73" or 97" sampling tube length.		
28 46 13 31-0479	EA		Remote Duct Test Station With Key Switch And Red LED Status Indicator (Simplex 2098-9806) .....	146.59	40.64
<b>28 46 13 31-0480</b>			<b>Interior Horn</b> <small>(28 46 13 31-0403)</small>		
28 46 13 31-0481	EA		Red With White "FIRE" Lettering, TrueAlert Addressable Electronic Horn (Simplex 4901-9850).....	135.77	40.64
28 46 13 31-0482	EA		White With Red "FIRE" Lettering, TrueAlert Addressable Electronic Horn (Simplex 4901-9853).....	135.77	40.64
<b>28 46 13 31-0483</b>			<b>Interior Horn Strobe</b> <small>(28 46 13 31-0403)</small>		
28 46 13 31-0484	EA		75Cd, Wall Mounted Horn Strobe, Red (Simplex 4903-9426) .....	187.23	40.64
28 46 13 31-0485	EA		110Cd, Wall Mounted Horn Strobe, Red (Simplex 4903-9427) .....	187.23	40.64
28 46 13 31-0486	EA		Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9127) .....	175.49	40.64
28 46 13 31-0487	EA		Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9128) .....	175.49	40.64
28 46 13 31-0488	EA		Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9129) .....	175.49	40.64
28 46 13 31-0489	EA		Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9130) .....	175.49	40.64
28 46 13 31-0490	EA		Weatherproof, Red Housing, White Lettering, Horn And Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9131).....	179.42	40.64
28 46 13 31-0491	EA		Weatherproof, White Housing, Red Lettering, Horn And Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9132).....	179.42	40.64
28 46 13 31-0492	EA		Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9139) .....	186.34	40.64
28 46 13 31-0493	EA		Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9140) .....	183.15	40.64
28 46 13 31-0494	EA		Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9141) .....	186.34	40.64
28 46 13 31-0495	EA		Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9142) .....	183.15	40.64
28 46 13 31-0496	EA		Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9227).....	175.49	40.64
28 46 13 31-0497	EA		Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9228).....	175.49	40.64
28 46 13 31-0498	EA		Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9229).....	175.49	40.64
28 46 13 31-0499	EA		Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9230).....	175.49	40.64
<b>28 46 13 31-0500</b>			<b>Interior Strobe</b> <small>(28 46 13 31-0403)</small>		
28 46 13 31-0501	EA		Wall Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9101) .....	150.55	40.64
28 46 13 31-0502	EA		Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9102).....	150.55	40.64
28 46 13 31-0503	EA		Wall Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9103) .....	150.55	40.64
28 46 13 31-0504	EA		Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9104).....	150.55	40.64
28 46 13 31-0505	EA		Weatherproof, Red Housing, White Lettering, Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9105) .....	165.46	40.64
28 46 13 31-0506	EA		Weatherproof, White Housing, Red Lettering, Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9106) .....	165.46	40.64
28 46 13 31-0507	EA		Wall Mount, Red Housing, White Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9109) .....	166.42	40.64
28 46 13 31-0508	EA		Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9110).....	169.02	40.64
28 46 13 31-0509	EA		Wall Mount, White Housing, Red Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9111) .....	169.02	40.64
28 46 13 31-0510	EA		Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9112).....	169.02	40.64
28 46 13 31-0511	EA		Wall Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9201).....	150.55	40.64
28 46 13 31-0512	EA		Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9202) .....	150.55	40.64
28 46 13 31-0513	EA		Wall Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9203).....	150.55	40.64
28 46 13 31-0514	EA		Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9204).....	150.55	40.64
<b>28 46 13 31-0515</b>			<b>Interior Speakers</b> <small>(28 46 13 31-0403)</small>		
28 46 13 31-0516	EA		Red With White "FIRE" Lettering, Wall Mount Speaker, Rectangular Housing (Simplex 4902-9716).....	123.15	40.64
28 46 13 31-0517	EA		White With Red "FIRE" Lettering, Wall Mount Speaker, Rectangular Housing (Simplex 4902-9717).....	123.15	40.64
28 46 13 31-0518	EA		Ceiling Or Wall Mount, Round Housing Speaker (Simplex 4902-9721).....	123.15	40.64

**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0519			<b>Interior Speaker Strobe</b> (28 46 13 31-0403)		
28 46 13 31-0520	EA		Red Housing, White Lettering, Multi-Tapped Speaker And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9151).....	198.85	40.64
28 46 13 31-0521	EA		White Housing, Red Lettering, Multi-Tapped Speaker And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9153).....	198.85	40.64
28 46 13 31-0522			<b>Surge Suppressors</b> (28 46 13 31-0403)		
28 46 13 31-0523	EA		Overvoltage Suppressor (Simplex 2081-9044).....	127.31	8.13
28 46 13 31-0524	EA		Isolated Loop Circuit Protector (Simplex 2081-9028).....	81.61	8.13
28 46 13 31-0525	EA		120 Volt AC, 20 Amperes, Multi Stage Hybrid Surge Protector With EMI/RFI Filtering (Ditek 120S20A).....	272.04	8.13
28 46 13 31-0526	EA		24 Volt AC, Data And Loop Circuit Surge Protector (Ditek DTK-2MHLP24B).....	93.38	8.13
28 46 13 31-0527	EA		Mounting Base For Two DTK-2MHLP (Ditek DTK-2MB).....	140.78	13.54
28 46 13 31-0528	EA		120 Volt AC, 22,500 Amperes, Equipment Panel/Dedicated Circuit Surge Protector (Ditek DTK-120HW).....	95.72	8.13
28 46 13 31-0529	EA		<105 Volt AC, 9,000 Amperes, RJ31 Connection, Alarm Dialer Surge Protection (Ditek DTK-MRJ31SCWP).....	72.17	8.13
28 46 13 31-0530			<b>Boxes And Adapters</b> (28 46 13 31-0403)		
28 46 13 31-0531	EA		Semi-Flush Mount Modular Adapter Using Standard 4" Square Electrical Box (Simplex 4905-9921).....	63.38	13.54
28 46 13 31-0532	EA		Surface Mount Modular Adapter Using Simplex Box (Simplex 4905-9925).....	60.09	13.54
28 46 13 31-0533	EA		Red, Surface Mount Adapter Skirt (Simplex 4905-9937).....	53.62	13.54
28 46 13 31-0534	EA		White, Surface Mount Adapter Skirt (Simplex 4905-9940).....	44.44	13.54
28 46 13 31-0535			<b>Accessories</b> (28 46 13 31-0403)		
28 46 13 31-0536	EA		End-Of-Line Resistor Harness, 10 k Ohms, 1/2 Watt, Two Required, One Each For Audible And Visible Output (Simplex 4081-9008).....	30.93	13.54
28 46 13 31-0537			<b>Siemens Fire Alarm</b> (28 46 13 31)		
28 46 13 31-0538			<b>Conventional Control Panels</b> (28 46 13 31-0537)		
28 46 13 31-0539			<b>SXL Batteries And Power Supplies</b> (28 46 13 31-0538)		
28 46 13 31-0540	EA		6 Amperes Notification Appliance Circuit Expander With Built-In Auxiliary Power Output (Siemens PAD-3).....	1,074.68	54.18
28 46 13 31-0541	EA		Main Board Only For PAD-3 (Siemens PAD-3-MB).....	866.26	54.18
28 46 13 31-0542			<b>Digital Fire Communicators</b> (28 46 13 31-0538)		
28 46 13 31-0543	EA		Four Channel Digital Slave Fire Communicator (Siemens 5129).....	838.79	54.18
28 46 13 31-0544			<b>Addressable Control Panels</b> (28 46 13 31-0537)		
28 46 13 31-0545			<b>Fireseeker Equipment</b> (28 46 13 31-0544)		
28 46 13 31-0546			<b>FS-250 System Panels</b> (28 46 13 31-0545)		
28 46 13 31-0547	EA		FS-250 Electronics Package Including One FS-250-CON And Two FS-NPE, Excludes Enclosure (Siemens FS-250-EKIT).....	2,614.66	541.87
			Note: FS-250-CON is an electronics package for releasing water or agent. FS-NPE is a system transformer.		
28 46 13 31-0548	EA		FS-250 Electronics Package Including One FS-250-CON, Two FS-NPE, One FS-RPT And One FS-REL, Excludes Enclosure (Siemens FS-250-REL-EKIT).....	3,251.28	541.87
			Note: FS-250-CON is an electronics package for releasing water or agent. FS-NPE is a system transformer. FS-RPT is a releasing power transformer. FS-REL is a Releasing Module.		
28 46 13 31-0549	EA		FS-250-SRX Releasing Electronics Package Including One FS-250-CON2-SRX, Two FS-NPE, One FS-RPT And One FS-REL, Excludes Enclosure (Siemens FS-250-SRX-EKIT).....	1,946.97	433.49
			Note: FS-250-CON2-SRX is an electronics package for releasing water or agent. FS-NPE is a system transformer. FS-RPT is a releasing power transformer. FS-REL is a Releasing Module.		
28 46 13 31-0550	EA		Electronics Package For Releasing Water Or Agent (Siemens FS-250-CON).....	2,618.45	541.87
28 46 13 31-0551			<b>FS-250 Optional Modules</b> (28 46 13 31-0545)		
28 46 13 31-0552	EA		Main Board Module (Siemens FS-MB2).....	1,082.26	54.18
28 46 13 31-0553	EA		Display Board Module (Siemens FS-DB2).....	842.38	27.10
28 46 13 31-0554	EA		Device Loop Card (Siemens FS-DLC).....	690.80	27.10
28 46 13 31-0555	EA		Releasing Module (Siemens FS-REL).....	308.07	27.10
28 46 13 31-0556	EA		Remote LCD Annunciator (Siemens FS-RD2).....	686.06	27.10
28 46 13 31-0557	EA		Relay Processor Card (Siemens FS-RU2).....	596.06	27.10
28 46 13 31-0558	EA		Relay Expander Board (Siemens FS-RE8).....	508.91	27.10
28 46 13 31-0559	EA		Serial Annunciator Processor Card (Siemens FS-SAU2).....	686.06	27.10
28 46 13 31-0560	EA		16 Output Annunciator Extender (Siemens FS-SAE16).....	535.43	27.10
28 46 13 31-0561	EA		Digital Alarm Communication Transmitter (Siemens FS-DACT).....	487.12	27.10
28 46 13 31-0562	EA		Municipal Tie Module (Siemens FS-MT).....	414.17	27.10
28 46 13 31-0563	EA		Configuration Tool Including Laptop To FS-250 Cable And Software (Siemens FS-CT2).....	380.27	
28 46 13 31-0564	EA		Programming Cable Kit (Siemens CBL-UD).....	100.05	13.54
28 46 13 31-0565	EA		Notification Appliance Circuit Power Expander Transformer (Siemens FS-NPE).....	180.18	27.10
28 46 13 31-0566	EA		Releasing Power Transformer (Siemens FS-RPT-A).....	183.02	27.10
28 46 13 31-0567	EA		Surface Mounted Box For Remote LCD Annunciator (Siemens FS-RD-SB).....	206.29	21.67
28 46 13 31-0568	EA		Cabinet Trim Kit (Siemens RD-CAB-TK).....	334.04	13.54
28 46 13 31-0569			<b>Firefinder Systems</b> (28 46 13 31-0544)		
28 46 13 31-0570			<b>XLS Basic Fire System Packages Without Backbox</b> (28 46 13 31-0569)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0571	EA		500 Point Firefinder Package Including Two DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-500-ID-SP)..... Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.	9,133.34	541.87
28 46 13 31-0572	EA		250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-250-ID-SP)..... Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.	8,051.47	541.87
28 46 13 31-0573	EA		250 Point Firefinder Package Including One DLC, One PMI-INT, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-250-INT-ID-SP)..... Note: DLC is a device loop card. PMI-INT is a person machine interface with multilingual overlays. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.	8,051.47	541.87
28 46 13 31-0574	EA		250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12, One CAB2-BD And One OD-LP (Siemens XLS-250-CAB2-BD)..... Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. CAB2-BD is a two row inner and outer door set. OD-LP is an outer door clear plastic lens plate.	13,428.63	541.87
28 46 13 31-0575	EA		250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12, One CAB3-BD, One BCL, One ID-SP And One OD-LP (Siemens XLS-250-CAB3-BD)..... Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. CAB3-BD is a three row inner and outer door set. ID-SP is an inner door blank single plate. OD-LP is an outer door clear plastic lens plate.	13,877.67	541.87
28 46 13 31-0576	EA		250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC4A-EP)..... Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.	7,942.53	541.87
28 46 13 31-0577	EA		250 Point Firefinder Package Including One DLC, One PMI-INT, One ZIC-4A, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC4A-INT-EP)..... Note: DLC is a device loop card. PMI-INT is a person machine interface with multilingual overlays. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.	7,942.53	541.87
28 46 13 31-0578	EA		250 Point Firefinder Package Including One DLC, One PMI, One ZIC-8B, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC8B-EP)..... Note: DLC is a device loop card. PMI is a person machine interface. ZIC-8B is an eight circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.	9,208.19	541.87
<b>28 46 13 31-0579</b>			<b>Firefinder - XLS Basic System Equipment (28 46 13 31-0569)</b>		
28 46 13 31-0580	EA		Person Machine Interface With Central Processor (Siemens PMI)..... Note: Includes inner door.	4,241.26	541.87
28 46 13 31-0581	EA		Person Machine Interface With Central Processor, DE-2 And DPU (Siemens PMI-DPU-ENC)..... Note: Includes inner door.	7,036.89	541.87
28 46 13 31-0582	EA		Person Machine Interface With Multilingual Overlays And Central Processor (Siemens PMI-INT)..... Note: Includes inner door.	4,241.26	541.87
28 46 13 31-0583	EA		Two Slot Card Cage (Siemens CC-2).....	524.07	27.10
28 46 13 31-0584	EA		Five Slot Card Cage (Siemens CC-5).....	885.01	27.10
28 46 13 31-0585	EA		Four Circuit Zone Indicating Card (Siemens ZIC-4A).....	1,263.95	27.10
28 46 13 31-0586	EA		Eight Circuit Zone Indicating Card (Siemens ZIC-8B).....	1,319.84	27.10
28 46 13 31-0587	EA		Two Channel Adapter Card For ZIC-8B (Siemens ZIC-2C).....	417.96	27.10
28 46 13 31-0588	EA		Device Loop Card (Siemens DLC)..... Note: Interfaces with up to 252 detectors and devices.	1,497.94	27.10
28 46 13 31-0589	EA		Controllable Relay Card (Siemens CRC-6)..... Note: Provides six programmable relays.	849.01	27.10
28 46 13 31-0590	EA		12 Amperes Power Supply Charger Module (Siemens PSC-12).....	3,211.70	27.10
28 46 13 31-0591	EA		Person Machine Interface With Central Processor And GPMI-UK Software Upgrade Kit (Siemens GPMI)..... Note: Software kit provides interface with multiple FireFinder XLS and MXL systems.	5,505.02	541.87
28 46 13 31-0592	EA		Network Interface Card (Siemens NIC-C)..... Note: Provides HNET Or XNET communication between enclosures.	993.00	27.10
28 46 13 31-0593	EA		12 Amperes Power Supply Extender (Siemens PSX-12)..... Note: Extends PSC-12 with an additional 24 volt DC.	2,671.71	27.10
28 46 13 31-0594	EA		Power Termination Board (Siemens PTB)..... Note: Used with systems requiring more than one PSX-12.	452.07	27.10
28 46 13 31-0595	EA		Conventional Detector Card (Siemens CDC-4).....	957.00	27.10
28 46 13 31-0596	EA		Multi-Mode Network Fiber Optic Interface Module (Siemens D2300CPS).....	1,873.09	27.10
28 46 13 31-0597	EA		Single-Mode Network Fiber Optic Interface Module (Siemens D2325CPS).....	6,731.10	27.10
<b>28 46 13 31-0598</b>			<b>Remote Lobby Enclosure (28 46 13 31-0569)</b>		
28 46 13 31-0599	EA		14-1/2" x 18-1/2" x 5" Two Module Remote Enclosure (Siemens REMBOX2)..... Note: Flush mounted. Includes clear lens plate on cover.	1,246.52	108.38
28 46 13 31-0600	EA		24" x 18-1/2" x 5" Four Module Remote Enclosure (Siemens REMBOX4)..... Note: Flush mounted. Includes clear lens plate on cover.	1,606.51	108.38
28 46 13 31-0601	EA		Optional Mounting Plate For REMBOX2 (Siemens REMBOX2-MP)..... Note: Required to mount up to four SIM-16 or OCM-16 modules.	199.12	27.10
28 46 13 31-0602	EA		Optional Mounting Plate For REMBOX4 (Siemens REMBOX4-MP)..... Note: Required to mount up to eight SIM-16 or OCM-16 modules.	217.12	27.10
<b>28 46 13 31-0603</b>			<b>Battery Enclosures (28 46 13 31-0569)</b>		
28 46 13 31-0604	EA		Enclosure For 100 Ampere Hours Batteries (Siemens CAB-BATT).....	776.63	108.38
<b>28 46 13 31-0605</b>			<b>Graphic Annunciator Output Drivers And Inputs (28 46 13 31-0569)</b>		
28 46 13 31-0606	EA		Output Control Module (Siemens OCM-16).....	614.06	27.10
28 46 13 31-0607	EA		Supervised Input Module (Siemens SIM-16).....	614.06	27.10

**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
28 46 13 31-0608		<b>Remote LCD Displays</b> (28 46 13 31-0569)			
28 46 13 31-0609	EA	Remote LED/LCD System Status Display (Siemens SSD) .....	1,425.38		81.28
		Note: No control or menu capability.			
28 46 13 31-0610	EA	Remote LED/LCD System Status Display, Buttons To Acknowledge Events, Silence Audible Circuits And Resetting (Siemens SSD-C) .....	1,606.32		81.28
28 46 13 31-0611		<b>Voice Equipment</b> (28 46 13 31-0569)			
28 46 13 31-0612	EA	40 Watts Zone Amplifier Card (Siemens ZAC-40) .....	1,410.79		27.10
28 46 13 31-0613	EA	180 Watts Zone Amplifier Module (Siemens ZAM-180) .....	3,122.65		27.10
28 46 13 31-0614	EA	Live Voice Module (Siemens LVM) .....	1,317.00		27.10
		Note: Includes a dynamic microphone with a push-to-talk switch and ready-to-page indicator light, as well as a small local speaker and volume control for monitoring audio signals.			
28 46 13 31-0615		<b>MXL Series Equipment</b> (28 46 13 31-0544)			
28 46 13 31-0616		<b>MXL Optional Equipment</b> (28 46 13 31-0615)			
28 46 13 31-0617	EA	Two Circuit Analog Loop Driver (Siemens ALD-2I) .....	1,521.83		54.18
28 46 13 31-0618	EA	CXL/MXL Interface Module (Siemens CMI-300) .....	3,919.37		27.10
28 46 13 31-0619	EA	Four Relay Programmable Relay Module (Siemens CRM-4) .....	675.64		27.10
28 46 13 31-0620	EA	Two Circuit Controllable Signal/Releasing Module (Siemens CSM-4) .....	814.90		27.10
28 46 13 31-0621	EA	Remote Conventional Zone Module (Siemens CZM-1B6) .....	309.02		27.10
28 46 13 31-0622	EA	Short Circuit Line Isolator Module (Siemens Model LIM-1) .....	192.49		27.10
28 46 13 31-0623	EA	Four Circuit Conventional Zone Module (Siemens CZM-4) .....	793.11		27.10
28 46 13 31-0624	EA	12" x 16" x 3" Enclosure For PAD-3 (Siemens EN-PAD) .....	289.70		40.64
28 46 13 31-0625	EA	Lexan Window For RCC (Siemens GENBOX-WD) .....	195.87		21.67
28 46 13 31-0626	EA	Input Driver Module (Siemens MID-16) .....	521.22		27.10
28 46 13 31-0627	EA	Programmable Output Driver Module (Siemens MOD-16) .....	521.22		27.10
28 46 13 31-0628	EA	MXL Output/Input Module (Siemens MOI-7) .....	831.95		27.10
28 46 13 31-0629	EA	Two Slot Network Option Module Card Cage (Siemens MOM-2) .....	444.49		27.10
28 46 13 31-0630	EA	Four Slot Network Option Module Card Cage (Siemens MOM-4) .....	697.43		27.10
28 46 13 31-0631	EA	12 Amperes, 220 Volt AC, Power Supply For MXL (Siemens MPS-12/220) .....	1,717.16		81.28
28 46 13 31-0632	EA	12 Amperes, 240 Volt AC, Power Supply For MXL (Siemens MPS-12/240) .....	1,717.16		81.28
28 46 13 31-0633	EA	Network Interface Module (Siemens NIM-1W) .....	1,239.31		27.10
28 46 13 31-0634	EA	U.L. Listed Parallel Printer (Siemens PAL-1) .....	3,248.27		108.38
28 46 13 31-0635	EA	Peripheral Interface Module, Model PIM-1 (Siemens 500-691324) .....	365.86		27.10
28 46 13 31-0636	EA	Surface Mounted Remote Command Center (Siemens RCC-1) .....	3,608.43		541.87
28 46 13 31-0637	EA	Enclosure And Door With Lens For RCC-1 (Siemens RCC-1DL) .....	442.79		54.18
28 46 13 31-0638	EA	Flush Mounted Remote Command Center (Siemens RCC-1F) .....	3,608.43		541.87
28 46 13 31-0639	EA	Enclosure And Door With Lens For RCC-1F (Siemens RCC-1FDL) .....	454.16		54.18
28 46 13 31-0640	EA	Remote Control Center With System Control Functions And Sequential Event Display (Siemens RCC-2) .....	2,788.97		541.87
28 46 13 31-0641	EA	MXL/MXLV Remote Annunciator/Keyboard With Enhanced Display (Siemens RCC-3) .....	4,142.73		541.87
28 46 13 31-0642	EA	RCC-2/RSE-1 Trim Ring (Siemens RCF-1) .....	69.73		13.54
28 46 13 31-0643	EA	Remote Diagnostics Module For MXL (Siemens RDM-MXL) .....	5,034.60		54.18
28 46 13 31-0644	EA	Remote Diagnostics Module For PC (Siemens RDM-PC) .....	10,715.86		54.18
28 46 13 31-0645	EA	Releasing End Of Line Module (Siemens REL-EOL) .....	157.44		27.10
28 46 13 31-0646	EA	36 Zone Tabular Graphic Annunciator With Restart System Key (Siemens RSA-MBSC) .....	3,212.85		54.18
28 46 13 31-0647	EA	36 Zone Tabular Graphic Annunciator (Siemens RSA-MBTL) .....	3,067.90		54.18
28 46 13 31-0648	EA	8-3/8" x 6-1/4" Remote Control Enclosure (Siemens RSE-1) .....	1,638.72		108.38
28 46 13 31-0649		<b>Complete MXL And MXLV System Packages Without Enclosure</b> (28 46 13 31-0615)			
28 46 13 31-0650	EA	MXL System Electronics Package Including One MMB-3, One Display/Control Keyboard, One MDL-1, One MKB-2, One Mps-6, One MOM-2, One ALD-2I And One PIM-1 (Siemens MXL-SS-EP) .....	11,875.92		541.87
		Note: MMB-3 is a MXL/MXLV main control board. MDL-1 is a clear lens. MKB-2 is a MXL/MXLV display/keyboard module with hinged frame. MPS-6 is a 6 Amp power supply for MXL. MOM-2 is a two slot network option module card cage. ALD-2I is a two circuit analog loop driver. PIM-1 is a peripheral interface module.			
28 46 13 31-0651	EA	MXL Voice System Electronics Package Including One MMB-3, One MKB-2, One MPS-6, One ACM-1, One TBM-2, One MMM-1, One OMM-2, One ZAC-30, One OCC-1, One MHD-5, One VSM-1 And Four VSB-1 (Siemens MXLV-SS-EP) .....	15,426.59		541.87
		Note: MMB-3 is a MXL/MXLV main control board. MKB-2 is a MXL/MXLV display/keyboard module with hinged frame. MPS-6 is a 6 Amp power supply for MXL. ACM-1 is an audio control module. TBM-2 is a voice terminal module. MMM-1 is a master microphone module. OMM-2 is a two half width slot card cage. ZAC-30 is a MXLV zone amplifier card. OCC-1 is a MXLV output control card. MHD-5 is a deadfront panel for MSE-2 backbox. VSM-1 is an eight switch module. VSB-1 is a module blank with overlay.			
28 46 13 31-0652	EA	MXLV Demonstration Panel (Siemens MXLV DEMO) .....	32,009.00		541.87
28 46 13 31-0653		<b>MXL Basic System</b> (28 46 13 31-0615)			
28 46 13 31-0654	EA	MXL/MXLV Main Control Board (Siemens MMB-3) .....	7,408.22		541.87
28 46 13 31-0655	EA	MXL System Electronics Package Including One MMB-3, One DE-2 And One DPU (Siemens MMB-DPU-ENCL) .....	9,529.34		541.87
		Note: MMB-3 is a MXL/MXLV main control board. DE-2 is an enclosure for document storage. DPU is a handheld device programming and testing unit.			
28 46 13 31-0656	EA	MXL/MXLV Display/Keyboard Module With Hinged Frame (Siemens MKB-2) .....	2,710.75		54.18
28 46 13 31-0657	EA	MXL/MXLV Keyboard With Enhanced Display With Hinged Frame (Siemens MKB-5) .....	3,394.74		54.18
28 46 13 31-0658	EA	6 Amperes Power Supply For MXL (Siemens MPS-6) .....	1,185.70		81.28
28 46 13 31-0659	EA	220/240 Volt AC Adapter Cable (Siemens CIA-12) .....	88.68		13.54
28 46 13 31-0660		<b>MXL/MXLV System Expansion Accessories</b> (28 46 13 31-0615)			
28 46 13 31-0661	EA	MXL Remote Power Supply Module (Siemens PSR-1) .....	1,453.80		81.28
28 46 13 31-0662	EA	Style 4 Communication Module (Siemens NET-4) .....	299.54		27.10



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0663	EA		Style 7 Communication Module (Siemens NET-7).....	543.01	27.10
28 46 13 31-0664	EA		MXL/MXL-IQ/MXLV Intelligent Control Point, B6 Chip (Siemens ICP-B6).....	327.02	27.10
<b>28 46 13 31-0665</b>			<b>Peripheral Devices (28 46 13 31-0544)</b>		
<b>28 46 13 31-0666</b>			<b>Thermal Detectors (28 46 13 31-0665)</b>		
28 46 13 31-0667	EA		Rate Of Rise And 135 Degree F Fixed Temperature Thermal Detector (Siemens DT-135R).....	127.70	40.64
28 46 13 31-0668	EA		Rate Of Rise And 200 Degree F Fixed Temperature Thermal Detector (Siemens DT-200R).....	127.70	40.64
28 46 13 31-0669	EA		135 Degree F Fixed Temperature Thermal Detector (Siemens DT-135F).....	127.70	40.64
28 46 13 31-0670	EA		200 Degree F Fixed Temperature Thermal Detector (Siemens DT-200F).....	127.70	40.64
28 46 13 31-0671	EA		Weatherproof 135 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-135WP).....	198.75	40.64
28 46 13 31-0672	EA		Weatherproof 200 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-200WP).....	198.75	40.64
28 46 13 31-0673	EA		Explosion Proof 190 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-190EP).....	485.80	40.64
<b>28 46 13 31-0674</b>			<b>Beam Smoke Detector (28 46 13 31-0665)</b>		
28 46 13 31-0675	EA		Linear Beam Smoke Detector (Siemens PBA-1191).....	2,288.53	40.64
28 46 13 31-0676	EA		Base For Linear Beam Smoke Detector (Siemens PBB-1191).....	262.04	13.54
28 46 13 31-0677	EA		20cm x 20cm Flat Reflector For Linear Beam Smoke Detector (Siemens PBR-1192).....	264.88	13.54
28 46 13 31-0678	EA		10cm x 10cm Flat Reflector For Linear Beam Smoke Detector (Siemens PBR-1193).....	136.05	13.54
<b>28 46 13 31-0679</b>			<b>Bases For Detectors (28 46 13 31-0665)</b>		
28 46 13 31-0680	EA		Detector Base (Siemens DB-11).....	41.31	13.54
28 46 13 31-0681	EA		Universal Base (Siemens DB-3S).....	38.47	13.54
<b>28 46 13 31-0682</b>			<b>Manual Stations (28 46 13 31-0665)</b>		
28 46 13 31-0683	EA		Weatherproof Metal Manual Pull Station With Key (Siemens MSM-K-WP).....	291.44	32.51
<b>28 46 13 31-0684</b>			<b>Addressable Devices (28 46 13 31-0544)</b>		
<b>28 46 13 31-0685</b>			<b>Intelligent Detectors And Devices For Firefinder XLS And FS-250 (28 46 13 31-0684)</b>		
28 46 13 31-0686	EA		Addressable Fireprint Fire Detector (Siemens HFP-11).....	244.22	40.64
28 46 13 31-0687	EA		Addressable Thermal Fire Detector (Siemens HFPT-11).....	211.07	40.64
28 46 13 31-0688	EA		Relay Base For H-Series Intelligent Detectors (Siemens DB-HR).....	172.23	40.64
28 46 13 31-0689	EA		Ceiling Mounted Remote Alarm Indicator (Siemens RL-HC).....	116.33	40.64
28 46 13 31-0690	EA		Wall Mounted Remote Alarm Indicator (Siemens RL-HW).....	116.33	40.64
28 46 13 31-0691	EA		Addressable Single Action Manual Pull Station (Siemens HMS-S).....	254.07	27.10
28 46 13 31-0692	EA		Addressable Double Action Manual Pull Station (Siemens HMS-D).....	242.70	27.10
28 46 13 31-0693	EA		Single Input Intelligent Initiating Devices Interface Module (Siemens HTRI-S).....	192.49	27.10
28 46 13 31-0694	EA		Dual Input Intelligent Initiating Devices Interface Module (Siemens HTRI-D).....	235.12	27.10
28 46 13 31-0695	EA		Single Input Intelligent Initiating Devices Interface Module With Relay (Siemens HTRI-R).....	235.12	27.10
28 46 13 31-0696	EA		Mini Single Input Intelligent Initiating Devices Interface Module (Siemens HTRI-M).....	178.28	27.10
28 46 13 31-0697	EA		Line Isolator Module (Siemens HLIM).....	183.97	27.10
28 46 13 31-0698	EA		Remote Convention Zone Module (Siemens HZM).....	271.12	27.10
28 46 13 31-0699	EA		Intelligent Control Point Module (Siemens HCP).....	343.12	27.10
28 46 13 31-0700	EA		Handheld Programming And Testing Unit (Siemens DPU).....	1,504.97	
28 46 13 31-0701	EA		DPU Carrying Case (Siemens DPU-C1).....	232.26	
28 46 13 31-0702	EA		Label Printer And Carrying Case (Siemens DPU-PRT).....	2,577.92	27.10
<b>28 46 13 31-0703</b>			<b>Air Duct Housings And Detectors (28 46 13 31-0684)</b>		
28 46 13 31-0704	EA		Air-Duct Housing (Siemens AD2-P).....	277.35	21.67
28 46 13 31-0705	EA		Air-Duct Housing With Relay (Siemens AD2-XHR).....	313.34	21.67
28 46 13 31-0706	EA		Weatherproof Enclosure For Duct Housing (Siemens WP-2000).....	252.18	27.10
28 46 13 31-0707	EA		6" To 1' Duct Sampling Tube (Siemens ST-10).....	35.21	8.13
28 46 13 31-0708	EA		>1' To 3' Duct Sampling Tube (Siemens ST-25).....	43.46	10.84
28 46 13 31-0709	EA		>3' To 5' Duct Sampling Tube (Siemens ST-50).....	54.57	13.54
28 46 13 31-0710	EA		>5' To 10' Duct Sampling Tube (Siemens ST-100).....	63.77	16.26
<b>28 46 13 31-0711</b>			<b>Intelligent Initiating Devices For MXL, MXL-LQ And MXLV (28 46 13 31-0684)</b>		
28 46 13 31-0712	EA		Addressable Fireprint Fire Detector (Siemens FP-11).....	254.65	40.64
28 46 13 31-0713	EA		Addressable Thermal Fire Detector (Siemens FPT-11).....	219.59	40.64
28 46 13 31-0714	EA		Intelligent Ionization Smoke Detector (Siemens ILI-1).....	281.17	40.64
28 46 13 31-0715	EA		Addressable Single Action Manual Pull Station (Siemens MSI-10B).....	247.44	27.10
28 46 13 31-0716	EA		Addressable Double Action Manual Pull Station (Siemens MSI-20B).....	273.02	27.10
28 46 13 31-0717	EA		Single Input Intelligent Initiating Devices Interface Module (Siemens TRI-S).....	250.28	27.10
28 46 13 31-0718	EA		Dual Input Intelligent Initiating Devices Interface Module (Siemens TRI-D).....	276.81	27.10
28 46 13 31-0719	EA		Single Input Intelligent Initiating Devices Interface Module With Relay (Siemens TRI-R).....	276.81	27.10
<b>28 46 13 31-0720</b>			<b>Detector Universal Bases (28 46 13 31-0684)</b>		
28 46 13 31-0721	EA		Detector Base With Relay (Siemens DB-X11RS).....	117.10	13.54
28 46 13 31-0722	EA		PE-11 To DB-3 Base Adapter (Siemens DB-ADPT).....	60.26	13.54
28 46 13 31-0723	EA		Locking Kit (Siemens LK-11).....	11.60	
28 46 13 31-0724	EA		Detector Base With Relay (Siemens DB-X3RS).....	117.10	13.54
28 46 13 31-0725	EA		Audible Base For Addressable Fireprint Fire Detector (Siemens ADBX-11).....	136.05	13.54
28 46 13 31-0726	EA		Retrofit Adapter Box For Audible Bases Ionization Detector Air Duct (Siemens ADB-BOX).....	57.42	13.54
28 46 13 31-0727	EA		Flush Trim Ring For Bases (Siemens RA-ADB).....	27.63	8.13
28 46 13 31-0728	EA		Seal For DB-11 (Siemens DB11-SEAL).....	13.88	

**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	28 46 13 31-0729	EA	Gasket For DB-11 (Siemens DB-SEAL) .....	15.13	
	28 46 13 31-0730	EA	Detector Guard Housing (Siemens DGH-11).....	171.10	13.54
	28 46 13 31-0731	EA	Small Detector Base (Siemens DB-11E) .....	45.10	13.54
	28 46 13 31-0732	EA	Audible Base For Series 3 (Siemens ADBI-60A) .....	153.10	13.54
	28 46 13 31-0733	EA	Base Plug (Siemens DB-11-DP).....	11.56	
<b>28 46 13 31-0734</b>			<b>Air Duct Smoke Detectors</b> <small>(28 46 13 31-0684)</small>		
	28 46 13 31-0735	EA	Intelligent Remote Duct Relay Module (Siemens DA-X3SR) .....	130.92	27.10
	28 46 13 31-0736	EA	Weatherproof Enclosure For Duct Housing (Siemens EAD-3).....	667.12	27.10
<b>28 46 13 31-0737</b>			<b>Notification Devices</b> <small>(28 46 13 31-0544)</small>		
<b>28 46 13 31-0738</b>			<b>Synchronization Control Devices</b> <small>(28 46 13 31-0737)</small>		
	28 46 13 31-0739	EA	Dual Synchronization Control Module (Siemens DSC).....	192.49	27.10
<b>28 46 13 31-0740</b>			<b>Stand Alone Strobes</b> <small>(28 46 13 31-0737)</small>		
	28 46 13 31-0741	EA	Wall Mounted Multi-Candela Strobe (Siemens ZR-MC-R).....	161.80	40.64
	28 46 13 31-0742	EA	Wall Mounted High, Multi-Candela Strobe (Siemens ZR-HMC-R) .....	176.02	40.64
	28 46 13 31-0743	EA	Ceiling Mounted Multi-Candela Strobe (Siemens ZR-MC-CR) .....	161.80	40.64
	28 46 13 31-0744	EA	Ceiling Mounted High, Multi-Candela Strobe (Siemens ZR-HMC-CR) .....	176.02	40.64
	28 46 13 31-0745	EA	Ceiling Mounted High Multi-Candela Strobe (Siemens ST-HMC-CW) .....	176.02	40.64
	28 46 13 31-0746	EA	Ceiling Mounted Multi-Candela Strobe (Siemens ST-MC-CW).....	161.80	40.64
	28 46 13 31-0747	EA	Retrofit Plate Multi-Candela Strobe (Siemens ST-MC-RETRO-R).....	186.44	40.64
	28 46 13 31-0748	EA	Weatherproof Ceiling Mounted Strobe (Siemens ST-75-CR-WP) .....	178.86	40.64
	28 46 13 31-0749	EA	Weatherproof Wall Mounted Strobe (Siemens ST-75-R-WP) .....	178.86	40.64
	28 46 13 31-0750	EA	Weatherproof Ceiling Mounted High Multi-Candela Strobe (Siemens ST-HMC-CR-WP) .....	191.17	40.64
	28 46 13 31-0751	EA	Weatherproof Wall Mounted High Multi-Candela Strobe (Siemens ST-HMC-R-WP).....	191.17	40.64
<b>28 46 13 31-0752</b>			<b>Horns And Strobes</b> <small>(28 46 13 31-0737)</small>		
	28 46 13 31-0753	EA	Wall Mounted Multi-Candela Horn/Strobe (Siemens SE-MC-R) .....	217.70	40.64
	28 46 13 31-0754	EA	Wall Mounted High Multi-Candela Horn/Strobe (Siemens SE-HMC-R) .....	230.01	40.64
	28 46 13 31-0755	EA	Wall Mounted Horn (Siemens SE-R) .....	127.70	40.64
	28 46 13 31-0756	EA	Ceiling Mounted Multi-Candela Horn/Strobe (Siemens SE-MC-CR).....	217.70	40.64
	28 46 13 31-0757	EA	Ceiling Mounted High Multi-Candela Horn/Strobe (Siemens SE-HMC-CR) .....	230.01	40.64
	28 46 13 31-0758	EA	Ceiling Mounted Horn (Siemens SEC-R).....	133.38	40.64
	28 46 13 31-0759	EA	Wall Mounted Low Profile Multi-Candela Horn/Strobe (Siemens SEF-MC-R) .....	217.70	40.64
	28 46 13 31-0760	EA	Wall Mounted Low Profile High Multi-Candela Horn/Strobe (Siemens SEF-HMC-R) .....	230.01	40.64
	28 46 13 31-0761	EA	Wall Mounted Low Profile Horn (Siemens SEF-R).....	127.70	40.64
	28 46 13 31-0762	EA	Ceiling Mounted Low Profile Multi-Candela Horn/Strobe (Siemens SEF-MC-CW) .....	217.70	40.64
	28 46 13 31-0763	EA	Ceiling Mounted Low Profile High Multi-Candela Horn/Strobe (Siemens SEF-HMC-CW) .....	230.01	40.64
	28 46 13 31-0764	EA	Ceiling Mounted Low Profile Horn (Siemens SEF-CR) .....	133.38	40.64
	28 46 13 31-0765	EA	Mini Horn (Siemens MH-R).....	106.86	40.64
	28 46 13 31-0766	EA	Indoor/Outdoor Multi Tone Horn (Siemens MTH-R).....	135.28	40.64
	28 46 13 31-0767	EA	Indoor/Outdoor Multi Tone, Multi-Candela Horn/Strobe (Siemens MTH-MC-R) .....	205.38	40.64
	28 46 13 31-0768	EA	Industrial Tri-Tone Horn (Siemens ASR) .....	578.64	40.64
	28 46 13 31-0769	EA	Wall Mounted Horn (Siemens HS-R) .....	135.28	40.64
	28 46 13 31-0770	EA	Wall Mounted Multi-Candela Horn/Strobe (Siemens HS-MC-R).....	206.33	40.64
	28 46 13 31-0771	EA	Wall Mounted High Multi-Candela Horn/Strobe (Siemens HS-HMC-R) .....	221.49	40.64
	28 46 13 31-0772	EA	6" Motor Bell (Siemens MBDC-6) .....	154.23	40.64
	28 46 13 31-0773	EA	10" Motor Bell (Siemens MBDC-10).....	168.44	40.64
<b>28 46 13 31-0774</b>			<b>Mounting Accessories</b> <small>(28 46 13 31-0737)</small>		
	28 46 13 31-0775	EA	Concealed Conduit Adapter Plate (Siemens APS-R).....	38.47	13.54
	28 46 13 31-0776	EA	4" x 1-1/2" Surface Mounted Back Box (Siemens BBS-R) .....	38.47	13.54
	28 46 13 31-0777	EA	4" x 2-1/8" Surface Mounted Back Box (Siemens BBBS-R) .....	39.42	13.54
	28 46 13 31-0778	EA	Red Weatherproof Surface Mount Backbox (Siemens MT-SUR-BOX) .....	62.15	13.54
	28 46 13 31-0779	EA	White Weatherproof Surface Mount Backbox (Siemens MT-SUR-BOX-W).....	49.84	13.54
	28 46 13 31-0780	EA	Surface Mounted Speaker Backbox (Siemens SBBS-R) .....	52.68	13.54
	28 46 13 31-0781	EA	Surface Mounted Speaker Backbox (Siemens SBL2S-R) .....	56.47	13.54
	28 46 13 31-0782	EA	Square Semi-Flush Extension Ring (Siemens SERS-R) .....	45.10	13.54
	28 46 13 31-0783	EA	Semi-Flush Plate (Siemens SFPS-R) .....	37.52	13.54
	28 46 13 31-0784	EA	Square Surface Backbox (Siemens SHBBS-R) .....	45.10	13.54
	28 46 13 31-0785	EA	Horn Adapter Plate (Siemens SHMPS-R).....	43.20	13.54
	28 46 13 31-0786	EA	Ceiling Speaker Extension Ring (Siemens SPEXT-R).....	38.47	13.54
	28 46 13 31-0787	EA	Wall Mounted Surface Mounted Speaker Backbox (Siemens SPSB-R) .....	49.84	13.54
	28 46 13 31-0788	EA	Wall Mounted Surface Mounted Speaker/Strobe Backbox (Siemens SPSSB-R) .....	52.68	13.54
	28 46 13 31-0789	EA	Weatherproof Speaker Backbox (Siemens WBBS-R) .....	50.78	13.54
	28 46 13 31-0790	EA	Weatherproof Speaker Backbox With 3/4" Knockout (Siemens WBBS-R-3/4T-3/4B) .....	56.47	13.54
	28 46 13 31-0791	EA	Weatherproof Flush Plate (Siemens WFPAS-R).....	56.47	13.54
	28 46 13 31-0792	EA	Weatherproof Horn Flush Plate (Siemens WFPS-R) .....	56.47	13.54
	28 46 13 31-0793	EA	Weatherproof Horn Backbox (Siemens WPBBS-R).....	52.68	13.54
	28 46 13 31-0794	EA	Weatherproof Strobe Backbox (Siemens WPSBBS-R).....	52.68	13.54
	28 46 13 31-0795	EA	Surface Mounted Weatherproof Backbox Kit (Siemens WPS-KIT).....	38.47	13.54
	28 46 13 31-0796	EA	Z Series Backbox (Siemens ZBB-R).....	43.20	13.54
<b>28 46 13 31-0797</b>			<b>Door Holders</b> <small>(28 46 13 31-0737)</small>		
	28 46 13 31-0798	EA	120 Volt AC Concealed Wiring Fire Door Holder (Siemens SDH-2A).....	325.70	40.64
	28 46 13 31-0799	EA	24 Volt DC Concealed Wiring Fire Door Holder (Siemens SDH-2D) .....	325.70	40.64

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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28 46 13 31-0800			Voice Equipment (28 46 13 31-0544)		
28 46 13 31-0801			Voicecom (28 46 13 31-0800)		
28 46 13 31-0802	EA		Emergency Voice Alarm Communication System, 3.5 Amp Power Supply And Battery Charger, 50W Amplifier, Battery Cables, Main Control Board With One Speaker Circuit, Paging Microphone And Enclosure With Deadfront And Space For Five Modules (Siemens VOICECOM).....	4,982.09	541.87
28 46 13 31-0803	EA		Emergency Voice Alarm Communication System, 3.5 Amp Power Supply And Battery Charger, Two 50W Amplifier, Battery Cables, Main Control Board With One Speaker Circuit, Paging Microphone, Enclosure With Deadfront And Space For 11 Modules, Auxiliary Power Supply, Four PS-AUX Strobe Zone Cables And One AM-25-50 Speaker Zone Cables (Siemens VOICECOM-L).....	7,871.50	541.87
28 46 13 31-0804			Johnson Controls Fire Alarm (28 46 13 31)		
28 46 13 31-0805	EA		Intelligent Addressable ION Detector; With FlashScan. (Johnson Controls, Inc. #1951J).....	191.74	40.64
28 46 13 31-0806	EA		Intelligent Addressable Photo Detector; With FlashScan. (Johnson Controls, Inc. #2951J).....	189.68	40.64
28 46 13 31-0807	EA		Intelligent Addressable Photo/Thermal Detector; With FlashScan. (Johnson Controls, Inc. #2951TJ).....	236.73	40.64
28 46 13 31-0808	EA		Acclimate™ Intelligent Photo Thermal Detector; With FlashScan. (Johnson Controls, Inc. #2951TMJ).....	236.07	40.64
28 46 13 31-0809	EA		411UD, 4 Channel Dual. (Johnson Controls, Inc. #411UD).....	648.48	54.18
28 46 13 31-0810	EA		Intelligent Addressable High Temperature Heat Detector; With FlashScan. (Johnson Controls, Inc. #5951HJ).....	181.25	40.64
28 46 13 31-0811	EA		Intelligent Addressable High Temperature Heat Detector; With FlashScan. (Johnson Controls, Inc. #5951J).....	161.78	40.64
28 46 13 31-0812	EA		Intelligent Addressable Rate-of-Rise Thermal Detector; With FlashScan. (Johnson Controls, Inc. #5951RJ).....	157.65	40.64
28 46 13 31-0813	EA		Intelligent Addressable Laser Detector; Low Profile, Use With IFC Series Panels Only. (Johnson Controls, Inc. #7351J).....	474.95	40.64
28 46 13 31-0814	EA		100 Watts Audio Amplifier At 70.7 VRMS With Built-in Tone Generator, 120 Volt AC (Johnson Controls, Inc. #AA-100).....	2,308.79	81.28
28 46 13 31-0815	EA		AUDIO Amplifier, 100 Watts, 230 Voltage AC (Johnson Controls, Inc. #AA-100E).....	2,237.02	81.28
28 46 13 31-0816	EA		120 Watts Audio Amplifier At 25 VRMS With Built-in Tone Generator, 120 Voltage AC (Johnson Controls, Inc. #AA-120).....	2,275.74	81.28
28 46 13 31-0817	EA		AUDIO Amplifier, 120 Watts, 230 Voltage AC (Johnson Controls, Inc. #AA-120E).....	2,179.07	81.28
28 46 13 31-0818	EA		30 Watts Audio Amplifier At 25 VRMS, 120 Voltage AC (Johnson Controls, Inc. #AA-30).....	1,062.18	81.28
28 46 13 31-0819	EA		AUDIO Amplifier, 30 Watts, 230 Voltage AC (Johnson Controls, Inc. #AA-30E).....	1,062.18	81.28
28 46 13 31-0820	EA		Annunciator Control Module With: 16 Red Alarm LED's, 16 Yellow Trouble LED's, And 16 Control Switches, On-line, System Trouble Led, And Local Sounder, Local Acknowledge And Lamp Test Switch, Supports 1, 2 Or 3 AEM-16AT Expander Modules. (Johnson Controls, Inc. #ACM-16AT).....	1,062.44	27.10
28 46 13 31-0821	EA		IFC Series ACS Annunciator; Up To 96 Points Of Annunciation With Alarm Or Active LED, Trouble LED And Switch Per Circuit. Active/Alarm LEDs Can Be Programmed (By Powered Up Switch Selection) By Point To Be Red, Green Or Yellow And The Trouble LED Is Always Yellow. Expandable With One, Two Or Three AEM-24AT's. (Johnson Controls, Inc. #ACM-24AT).....	1,105.05	27.10
28 46 13 31-0822	EA		Annunciator Control Module; Includes 32 Red Alarm LED's, System Trouble LED And On-line LED, Local Acknowledge, Lamp Test Switch, And Local Piezo Sounder, Supports One AEM-32A Expander Module. (Johnson Controls, Inc. #ACM-32A).....	811.83	27.10
28 46 13 31-0823	EA		IFC Series ACS Annunciator; Up To 96 Points Of Annunciation With Alarm Or Active LED Per Circuit. Active/Alarm LEDs Can Be Programmed (By Powered Up Switch Selection) In Groups Of 24 To Be Red, Green Or Yellow. Expandable To 96 Points With One AEM-48A. (Johnson Controls, Inc. #ACM-48A).....	811.83	27.10
28 46 13 31-0824	EA		Annunciator, Relay, Form C. (Johnson Controls, Inc. #ACM-8R).....	572.81	27.10
28 46 13 31-0825	EA		Charger Power Supply - 6 Or 10 Amperes; Mounts In CAB-PS1, CAB-3/4, EQ Cabx, BB-25, Or CHS-PS1; Comes With The PK-PPS Programming Utility. Windows® PC And USB Cable Required For Programming. (Johnson Controls, Inc. #ACPS-610).....	1,846.75	54.18
28 46 13 31-0826	EA		Annunciator Expander Module With: 16 Red Alarm LED's, 16 Yellow Trouble LED's, 16 Control Switches, Cable For Connection To The ACM-16AT Master. (Johnson Controls, Inc. #AEM-16AT).....	811.83	27.10
28 46 13 31-0827	EA		Annunciator Expander Module; 24 Alarm And Trouble LEDs, Expands The ACM-24AT To 48, 72 Or 96 Points. (Johnson Controls, Inc. #AEM-24AT).....	843.86	27.10
28 46 13 31-0828	EA		Annunciator Expander Module With: 32 Red Alarm LED's, Cable For Connection To The ACM-32A Master. (Johnson Controls, Inc. #AEM-32A).....	727.78	27.10
28 46 13 31-0829	EA		Annunciator Expander Module; 48 Alarm LEDs, Expands The ACM-48A To 96 Points. (Johnson Controls, Inc. #AEM-48A).....	727.78	27.10
28 46 13 31-0830	EA		Back Box, Flush Or Surface Mount; Requires A Door And Telephone Chassis. (Johnson Controls, Inc. #FAWS-BX).....	122.65	24.38
28 46 13 31-0831	EA		Receiver, Multimode Fiber. (Johnson Controls, Inc. #AFL-RM).....	1,113.75	54.18
28 46 13 31-0832	EA		Receiver, Singlemode Fiber. (Johnson Controls, Inc. #AFL-RS).....	2,426.20	54.18
28 46 13 31-0833	EA		Transmit, Multimode Fiber. (Johnson Controls, Inc. #AFL-TM).....	1,113.75	54.18
28 46 13 31-0834	EA		Transmit, Singlemode Fiber. (Johnson Controls, Inc. #AFL-TS).....	2,426.20	54.18
28 46 13 31-0835	EA		Base, Smoke Detector, 2 Wire. (Johnson Controls, Inc. #B110LP).....	44.48	13.54
28 46 13 31-0836	EA		Base, Smoke Detector, Intelligent. (Johnson Controls, Inc. #B224BI).....	119.25	13.54
28 46 13 31-0837	EA		Base, Smoke Detector, Intelligent. (Johnson Controls, Inc. #B224RB).....	112.49	13.54
28 46 13 31-0838	EA		Base, Smoke Detector, 2 Wire. (Johnson Controls, Inc. #B401).....	47.37	13.54
28 46 13 31-0839	EA		Intelligent Detector Base, Without Flange. (Johnson Controls, Inc. #B501J).....	42.57	13.54
28 46 13 31-0840	EA		Battery Cabinet, Lockable. (Johnson Controls, Inc. #BB-100).....	812.49	54.18
28 46 13 31-0841	EA		Projected Beam Smoke Detector, Single-ended Reflected Type, Includes Trouble Relay, Transmitter/Receiver In One Unit. (Johnson Controls, Inc. #Beam1224).....	1,900.93	81.28
28 46 13 31-0842	EA		Same As Beam1224 With Built-in Sensitivity Test Filter. (Johnson Controls, Inc. #Beam1224S).....	2,009.58	81.28
28 46 13 31-0843	EA		Mounting Kit, Long RG, Beam. (Johnson Controls, Inc. #BeamLRK).....	222.67	13.54
28 46 13 31-0844	EA		Mounting Kit, Beam Detect. (Johnson Controls, Inc. #BeamMMK).....	150.24	13.54
28 46 13 31-0845	EA		Digital Audio Amplifier, 50 Watts, 25 VRMS (Johnson Controls, Inc. #DAA-5025).....	1,902.53	81.28
28 46 13 31-0846	EA		Digital Audio Amplifier, 50 Watts, 25 VRMS, Multi-Fiber (Johnson Controls, Inc. #DAA-5025F).....	1,756.06	81.28
28 46 13 31-0847	EA		Digital Audio Amplifier, 50 Watts, 25 VRMS, Single-Fiber (Johnson Controls, Inc. #DAA-5025SF).....	1,756.06	81.28
28 46 13 31-0848	EA		Digital Audio Amplifier, 50 Watts, 70 VRMS (Johnson Controls, Inc. #DAA-5070).....	2,060.74	81.28
28 46 13 31-0849	EA		Amplifier, Digital Audio. (Johnson Controls, Inc. #DAA-5070E).....	1,900.93	81.28
28 46 13 31-0850	EA		Digital Audio Amplifier, 50 Watts, 70 VRMS, Multi-Fiber (Johnson Controls, Inc. #DAA-5070F).....	1,900.93	81.28
28 46 13 31-0851	EA		Digital Audio Amplifier, 50 Watts, 70 VRMS, Single-Fiber (Johnson Controls, Inc. #DAA-5070SF).....	1,900.93	81.28
28 46 13 31-0852	EA		Digital Audio Amplifier, 75 Watts, 25 VRMS (Johnson Controls, Inc. #DAA-7525).....	2,273.43	81.28
28 46 13 31-0853	EA		Digital Audio Amplifier, 75 Watts, 25 VRMS, Multi Fiber (Johnson Controls, Inc. #DAA-7525F).....	2,273.43	81.28
28 46 13 31-0854	EA		Digital Audio Amplifier, 75 Watts, 25 VRMS, Single Fiber (Johnson Controls, Inc. #DAA-7525SF).....	2,273.43	81.28
28 46 13 31-0855	EA		Innovairflex Intelligent. (Johnson Controls, Inc. #DNR).....	236.81	27.10
28 46 13 31-0856	EA		Innovairflex Duct Detect. (Johnson Controls, Inc. #DNRW).....	363.48	27.10





28 Electronic Safety and Security

28 40 Life Safety

28 46 Fire Detection and Alarm



Table with columns: MINOR, CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Contains line items 28 46 13 31-0984 through 28 46 13 31-1019.

28 46 13 31-1020 ONYX Cabinets (28 46 13 31-0982)

Table with columns: MINOR, CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Contains line items 28 46 13 31-1021 through 28 46 13 31-1061.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1062	EA		Backbox With Door For ONYX Firstvision™ (Notifier FIRSTVISION-ENC) .....	2,149.60	135.46
28 46 13 31-1063	EA		CAB-4 Series Mounting Kit (Notifier P40-KITB) .....	279.42	27.10
			Note: Includes chassis, hinged dress plate, and mounting hardware.		
28 46 13 31-1064	EA		Black, One Tier Backbox Assembly (Notifier SBB-AA4) .....	308.66	81.28
28 46 13 31-1065	EA		Black, Two Tier Backbox Assembly (Notifier SBB-B4) .....	432.47	108.38
28 46 13 31-1066	EA		Black, Three Tier Backbox Assembly (Notifier SBB-C4) .....	548.49	108.38
28 46 13 31-1067	EA		Black, Four Tier Backbox Assembly (Notifier SBB-D4) .....	669.72	135.46
28 46 13 31-1068	EA		Black, Mini, One Tier, Backbox (Notifier SBB-AA4) .....	181.22	27.10
28 46 13 31-1069	EA		Red, Mini, One Tier, Backbox (Notifier SBB-AA4R) .....	181.22	27.10
28 46 13 31-1070	EA		Red, One Tier Backbox Assembly (Notifier SBB-A4R) .....	217.07	27.10
28 46 13 31-1071	EA		Red, Two Tier Backbox Assembly (Notifier SBB-B4R) .....	295.79	27.10
28 46 13 31-1072	EA		Red, Three Tier Backbox Assembly (Notifier SBB-C4R) .....	425.94	27.10
28 46 13 31-1073	EA		Red, Four Tier Backbox Assembly (Notifier SBB-D4R) .....	500.76	27.10
28 46 13 31-1074	EA		Trim Ring For NFS-320 Cabinet (Notifier TR-320) .....	169.29	16.26
28 46 13 31-1075	EA		Red, Trim Ring For NFS-320 Cabinet (Notifier TR-320R) .....	169.29	16.26
28 46 13 31-1076	EA		Black, "AA" Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-AA4) .....	225.02	16.26
28 46 13 31-1077	EA		Black, "A" Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-A4) .....	179.81	16.26
28 46 13 31-1078	EA		Black, "B" Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-B4) .....	180.98	16.26
28 46 13 31-1079	EA		Black, "C" Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-C4) .....	179.03	16.26
28 46 13 31-1080	EA		Black, "D" Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-D4) .....	183.32	16.26
28 46 13 31-1081	EA		2" Filler Dress Plate For ADP-4B Installed In The Top Row Of A CAB-4 Series Backbox (Notifier VP-2B) .....	71.01	16.26
28 46 13 31-1082	EA		Wire Trays For Routing Wire In A CAB-4 Series Backbox (Notifier WC-2) .....	46.07	5.42
<b>28 46 13 31-1083</b>			<b>NFS2-3030/640 Cabinet Mechanicals (28 46 13 31-0982)</b>		
28 46 13 31-1084	EA		Dress Plate For Middle Rows With CPU2-640 (Notifier ADP2-640) .....	95.25	16.26
28 46 13 31-1085	EA		Blank Module Dress Plate (Notifier BM-1B) .....	80.64	16.26
28 46 13 31-1086	EA		Battery Dress Plate For NFS2-3030, NFS2-640, NCA-2 And DVC System (Notifier BP2-4) .....	90.09	16.26
28 46 13 31-1087	EA		Four Position Expansion Chassis (Notifier CHS-4MB) .....	218.05	13.54
28 46 13 31-1088	EA		Standard 1st Row Chassis Assembly For CPU-3030 (Notifier CHS-M3) .....	205.04	40.64
28 46 13 31-1089	EA		Dress Plate For Top Row With CPU2-640 (Notifier DP-DISP2) .....	98.69	16.26
<b>28 46 13 31-1090</b>			<b>NFS-3030/640 Cabinet Mechanicals (28 46 13 31-0982)</b>		
28 46 13 31-1091	EA		Annunciator Dress Plate (Notifier ADP-4B) .....	90.95	16.26
28 46 13 31-1092	EA		Blank Module Dress Plate (Notifier BMP-1) .....	60.87	16.26
28 46 13 31-1093	EA		Low Profile Four Position Chassis For AA-30 Or LDM (Notifier CHS-4L) .....	131.10	27.10
28 46 13 31-1094	EA		Module Dress Plate (Notifier MP-1B) .....	91.81	16.26
<b>28 46 13 31-1095</b>			<b>Battery Cabinets (28 46 13 31-0982)</b>		
28 46 13 31-1096	EA		Six Position Chassis (Notifier CHS-6) .....	90.53	27.10
28 46 13 31-1097	EA		Black, 24" x 14" x 7-3/4" Battery Backbox (Notifier NFS-LBB) .....	415.24	81.28
<b>28 46 13 31-1098</b>			<b>Digital Voice (28 46 13 31-0982)</b>		
28 46 13 31-1099	EA		Chassis Used With BB-XP (Notifier 18439) .....	46.97	13.54
28 46 13 31-1100	EA		220 Volt AC, 100 Watt, 70.7 VRMS, Tone Generator, Audio Amplifier (Notifier AA-100E) .....	1,348.66	40.64
28 46 13 31-1101	EA		220 Volt AC, 120 Watt, 25 VRMS, Tone Generator, Audio Amplifier (Notifier AA-120E) .....	1,311.65	40.64
28 46 13 31-1102	EA		220 Volt AC, 30 Watt, 25 VRMS Audio Amplifier (Notifier AA-30E) .....	675.23	40.64
28 46 13 31-1103	EA		Black, Two Tier Door For CA-2 Chassis Configuration (Notifier ADDR-B4) .....	396.69	40.64
28 46 13 31-1104	EA		Black, Three Tier Door For CA-2 Chassis Configuration (Notifier ADDR-C4) .....	537.24	54.18
28 46 13 31-1105	EA		Black, Four Tier Door For CA-2 Chassis Configuration (Notifier ADDR-D4) .....	669.17	67.74
28 46 13 31-1106	EA		Multimode Audio Fiber Link Receiver (Notifier AFL-RM) .....	580.18	27.10
28 46 13 31-1107	EA		Multimode Audio Fiber Link Transmitter (Notifier AFL-TM) .....	580.18	27.10
28 46 13 31-1108	EA		Single Mode Audio Fiber Link Transmitter (Notifier AFL-TS) .....	1,219.63	27.10
28 46 13 31-1109	EA		15" x 8-3/8" x 3-3/8", Flush Or Surface Mounted Backbox (Notifier AFAWS-BX) .....	90.81	13.54
28 46 13 31-1110	EA		Flush Mounted, Key Lock, Door (Notifier AFAWS-KR) .....	148.68	13.54
28 46 13 31-1111	EA		Surface Mounted, Key Lock, Door (Notifier AFAWS-KS) .....	149.46	13.54
28 46 13 31-1112	EA		Flush Mounted, Latch Style Lock, Door (Notifier AFAWS-LR) .....	144.79	13.54
28 46 13 31-1113	EA		Surface Mounted, Latch Style Lock, Door (Notifier AFAWS-LS) .....	146.35	13.54
28 46 13 31-1114	EA		Armored Coil Cord, Telephone Chassis (Notifier AFAWS-TELA) .....	291.31	13.54
28 46 13 31-1115	EA		Coil Cord, Telephone Chassis (Notifier AFAWS-TELC) .....	224.28	13.54
28 46 13 31-1116	EA		Hammer Attached To Chain, Breakglass Insert (Notifier BRKG-B) .....	91.90	
28 46 13 31-1117	EA		For 25 VRMS DAX Or DAA2 Series, Back-Up Digital Amplifier (Notifier BDA-25V) .....	354.49	27.10
28 46 13 31-1118	EA		For 70 VRMS DAX Or DAA2 Series, Back-Up Digital Amplifier (Notifier BDA-70V) .....	357.52	27.10
28 46 13 31-1119	EA		Blank Dress Plate For CA-2 (Notifier BP-CA2) .....	89.65	13.54
28 46 13 31-1120	EA		One Tier Chassis For Digital Voice Command Panel (Notifier CA-1) .....	116.06	27.10
28 46 13 31-1121	EA		Two Tier Chassis For Digital Voice Command Panel, With MIC-1 (Notifier CA-2) .....	333.96	40.64
28 46 13 31-1122	EA		Black, 6.08" x 8.301" x 3.655", Remote Cabinet (Notifier CAB-RM) .....	180.05	27.10
28 46 13 31-1123	EA		Red, 6.08" x 8.301" x 3.655", Remote Cabinet (Notifier CAB-RMR) .....	180.05	27.10
28 46 13 31-1124	EA		Chassis, Phone Well, TELH-1 And Hardware (Notifier CFFT-1) .....	221.94	13.54
28 46 13 31-1125	EA		Chassis With Paging Microphone With Well (Notifier CMIC-1) .....	219.61	13.54
28 46 13 31-1126	EA		120 Volt AC, 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025) .....	1,290.05	27.10
28 46 13 31-1127	EA		Multi-Mode Fiber-Optic Media 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025F) .....	1,554.78	27.10
28 46 13 31-1128	EA		Single-Mode Fiber-Optic Media 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025SF) .....	1,554.78	27.10
28 46 13 31-1129	EA		120 Volt AC, 50 Watt, 70 VRMS Digital Audio Amplifier (Notifier DAA-5070) .....	1,331.31	27.10
28 46 13 31-1130	EA		Multi-Mode Fiber-Optic Media 50 Watt, 70 VRMS Digital Audio Amplifier (Notifier DAA-5070F) .....	1,691.20	27.10
28 46 13 31-1131	EA		120 Volt AC, 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525) .....	1,382.01	27.10
28 46 13 31-1132	EA		Single-Mode Fiber-Optic Media 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525SF) .....	2,032.25	27.10
28 46 13 31-1133	EA		Single-Mode Fiber-Optic Media 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525SF) .....	2,032.25	27.10
28 46 13 31-1134	EA		220-240 Volt AC, 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA2-5025E) .....	1,092.23	27.10
28 46 13 31-1135	EA		220-240 Volt AC, 50 Watt, 70 VRMS Digital Audio Amplifier (Notifier DAA2-5070E) .....	1,122.56	27.10
28 46 13 31-1136	EA		220-240 Volt AC, 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA2-7525E) .....	1,169.88	27.10
28 46 13 31-1137	EA		120 Volt AC, 35 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-3525) .....	748.23	27.10

**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

28 46 13 31-1138	EA	220-240 Volt AC, 35 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-3525E).....	767.65	27.10
28 46 13 31-1139	EA	120 Volt AC, 35 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-3570).....	785.24	27.10
28 46 13 31-1140	EA	220-240 Volt AC, 35 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-3570E).....	810.72	27.10
28 46 13 31-1141	EA	120 Volt AC, 50 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-5025).....	816.18	27.10
28 46 13 31-1142	EA	220-240 Volt AC, 50 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-5025E).....	839.84	27.10
28 46 13 31-1143	EA	120 Volt AC, 50 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-5070).....	863.50	27.10
28 46 13 31-1144	EA	220-240 Volt AC, 50 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-5070E).....	905.97	27.10
28 46 13 31-1145	EA	Dress Plate For CFFT-1 (Notifier DP-CFFT).....	102.89	13.54
28 46 13 31-1146	EA	Dress Panel For One Tier Chassis For Digital Voice Command Panel (Notifier DPA-1).....	86.65	16.26
28 46 13 31-1147	EA	Dress Panel For One Tier Chassis For Digital Voice Command Panel, Supports Keypad (Notifier DPA-1A4).....	98.69	16.26
28 46 13 31-1148	EA	Dress Panel For Two Tier Chassis For Digital Voice Command Panel (Notifier DPA-2B).....	163.14	16.26
28 46 13 31-1149	EA	WPS Power Amplifier (Notifier DPA3204P).....	416.98	27.10
28 46 13 31-1150	EA	WPS Power Amplifier (Notifier DPA4001P).....	354.49	27.10
28 46 13 31-1151	EA	Modem Interface For Direct Wire (No Dial-Up Capabilities) For Interconnecting Panels (Notifier DPI-232).....	776.75	27.10
28 46 13 31-1152	EA	120 Volt AC, 125 Watt, 25 VRMS Digital Series Amplifier (Notifier DS-AMP).....	585.64	27.10
		Note: Can Be Converted To 70 VRMS, 100 Watts With A DS-XF70V		
28 46 13 31-1153	EA	220-240 Volt AC, 125 Watt, 25 VRMS Digital Series Amplifier (Notifier DS-AMPE).....	592.31	27.10
		Note: Can Be Converted To 70 VRMS, 100 Watts With A DS-XF70V		
28 46 13 31-1154	EA	Digital Series Distribution Board, Supports One To Four DS-AMP Or DS-AMPE (Notifier DS-DB).....	974.53	27.10
28 46 13 31-1155	EA	125 Watt, 25 VRMS DS Series Backup Amplifier Board (Can Be Converted To 70 VRMS, 100 Watt Amplifier With A DS-XF70V) (Notifier DS-BDA).....	390.89	27.10
28 46 13 31-1156	EA	Converts One DAX Or DAA2 DAL Port To Multi-Mode Fiber, Fiber Option Module (Notifier DS-FM).....	263.05	27.10
28 46 13 31-1157	EA	Converts One DAX Or DAA2 Port To ST Style Multi-Mode Fiber (For Connection To DVC-EMF Or DAA-XXXF Series Amplifier), Fiber Option Module (Notifier DS-RFM).....	263.05	27.10
28 46 13 31-1158	EA	Converts One DAX Or DAA2 DAL Port To Single-Mode Fiber, Fiber Option Module (Notifier DS-SFM).....	263.05	27.10
28 46 13 31-1159	EA	Converts DS-AMP, DS-AMPE, Or DS-BDA To 70 VRMS, 100 Watt, DS Series Transformer (Notifier DS-XF70V).....	119.06	27.10
28 46 13 31-1160	EA	Analog Output Board For Digital Voice Command (Notifier DVC-AO).....	238.96	27.10
28 46 13 31-1161	EA	Extended Memory For Digital Voice Command (Notifier DVC-EM).....	1,300.37	27.10
28 46 13 31-1162	EA	Keypad For Digital Voice Command (Notifier DVC-KD).....	404.89	54.18
28 46 13 31-1163	EA	Microphone For NFC-50/100, NFC-LOC, NFC-RPU And NFC-RM (Notifier ECC-MICROPHONE).....	201.79	
28 46 13 31-1164	EA	Portable Fireman's Telephone Handset (Notifier FHS).....	121.90	
28 46 13 31-1165	EA	Red, Fireman's Telephone Handset (Notifier FHS-F).....	141.00	
28 46 13 31-1166	EA	Recessed, Fireman's Handset Storage Cabinet, Holds Six Handsets (Notifier FHSC-R).....	358.14	27.10
28 46 13 31-1167	EA	Surface Mounted, Fireman's Handset Storage Cabinet, Holds Six Handsets (Notifier FHSC-S).....	358.14	27.10
28 46 13 31-1168	EA	Fireman's Phone Jack On A Single Gang Plate (Notifier FPJ).....	60.06	8.13
28 46 13 31-1169	EA	Paging Microphone Only (Notifier MIC-1).....	166.77	27.10
28 46 13 31-1170	EA	Firefighter's Telephone Handset (Notifier TELH-1).....	139.05	
28 46 13 31-1171	EA	Remote Microphone Assembly For Mounting On An ADP-4 Dress Plate (Notifier RM-1).....	388.50	27.10
28 46 13 31-1172	EA	Remote Microphone Assembly For Mounting In A Stand Alone Cabinet (Notifier RM-1SA).....	388.50	27.10
<b>28 46 13 31-1173</b>		<b>Amplifiers</b> (28 46 13 31-0982)		
28 46 13 31-1174	EA	30 Watt Audio Amplifier At 25 VRMS, 120 Volt AC (Notifier AA-30).....	732.28	27.10
28 46 13 31-1175	EA	100 Watt Audio Amplifier At 70.7 VRMS, 120 Volt AC, Tone Generator (Notifier AA-100).....	1,578.83	27.10
28 46 13 31-1176	EA	120 Watt Audio Amplifier At 25 VRMS, 120 Volt AC, Tone Generator (Notifier AA-120).....	1,534.14	27.10
28 46 13 31-1177	EA	Audio Coupling Transformer (Notifier ACT-1).....	125.51	27.10
28 46 13 31-1178	EA	Audio Coupling Transformer For DVC-AO (Notifier ACT-4).....	144.42	27.10
28 46 13 31-1179	EA	Audio Coupling Transformer For DAA-5025 (Notifier ACT-25).....	144.42	27.10
28 46 13 31-1180	EA	Audio Coupling Transformer For DAA-5070 (Notifier ACT-70).....	144.42	27.10
<b>28 46 13 31-1181</b>		<b>FireVoice-25/50 Emergency Voice Evacuation Control Panels</b> (28 46 13 31-0982)		
28 46 13 31-1182	EA	25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50).....	4,228.18	541.87
28 46 13 31-1183	EA	Single Channel 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50DA).....	2,993.60	541.87
28 46 13 31-1184	EA	Single Channel 25 Watt, 25 VRMS Voice Evacuation Control Panel Used With NFV-25/50ZS (Notifier NFV-25/50DAZS).....	3,880.32	541.87
28 46 13 31-1185	EA	Zoned System 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50ZS).....	5,039.87	541.87
28 46 13 31-1186	EA	Zoned System With Telephone 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50ZST).....	5,571.91	541.87
<b>28 46 13 31-1187</b>		<b>System Printer</b> (28 46 13 31-0982)		
28 46 13 31-1188	EA	80 Column, 120 Volt AC, Desktop Printer (Notifier PRN-6).....	1,568.51	27.10
<b>28 46 13 31-1189</b>		<b>Batteries</b> (28 46 13 31-0982)		
28 46 13 31-1190	EA	5 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-1250-BP).....	460.24	27.10
28 46 13 31-1191	EA	7 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-1270-BP).....	348.11	27.10
28 46 13 31-1192	EA	12 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-12120-BP).....	452.96	27.10
28 46 13 31-1193	EA	18 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-12180-BP).....	270.76	27.10
28 46 13 31-1194	EA	26 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-12260-BP).....	372.17	27.10
28 46 13 31-1195	EA	55 Ampere Hours, 12 Volt DC, Sealed Battery (Notifier BAT-12550).....	371.31	27.10
28 46 13 31-1196	EA	100 Ampere Hours, 12 Volt DC, Sealed Battery (Notifier BAT-121000).....	581.70	27.10
<b>28 46 13 31-1197</b>		<b>Battery Backboxes And Miscellaneous Mechanicals</b> (28 46 13 31-0982)		
28 46 13 31-1198	EA	14-1/2" x 8-1/4" x 4-3/4", Holds Up To Two BAT-12180 Batteries, Battery Backbox (Notifier BB-17).....	132.59	21.67
28 46 13 31-1199	EA	24" x 12.55" x 5.218", Mounts Up To Six XP6 Boards Or ACP5-610, Cabinet (Notifier BB-25).....	216.37	21.67
		Note: XP6 modules require a CHS-6.		
28 46 13 31-1200	EA	15.6" x 15.5" x 5.152", Mounts Up To Two 26 Ampere Hours And Charger, Battery Backbox (Notifier BB-26).....	352.54	108.38
28 46 13 31-1201	EA	Holds Up To Two BAT-12120 12 Ampere Hours Batteries, Battery Holder (Notifier CHS-BH).....	180.47	54.18
28 46 13 31-1202	EA	Holds Up To Two BAT-12120 12 Ampere Hours Batteries, Battery Holder (Notifier CHS-BH1).....	94.52	13.54
28 46 13 31-1203	EA	Battery Bracket For Two 26 Ampere Hours Batteries (Notifier SEISKIT-BB25).....	277.32	21.67
28 46 13 31-1204	EA	Two 26 Ampere Hours Battery Bracket Seismic Kit For CAB-4 Series Cabinets (Notifier SEISKIT-CAB).....	174.29	21.67
28 46 13 31-1205	EA	Two 12 Ampere Hours Battery Bracket Seismic Kit For DAX, DAA, And DAA2 Series Amplifiers (Notifier SEISKIT-DAA).....	192.60	21.67



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1206 EA Two 55 Ampere Hours Battery Bracket Seismic Kit For NFS-LBB (Notifier SEISKIT-LBB).....	204.68	21.67
<b>28 46 13 31-1207 Power Supplies And Chargers</b> <small>(28 46 13 31-0982)</small>		
28 46 13 31-1208 EA 120 Volt AC, 6 Or 10 Amperes, Addressable Charging Power Supply (Notifier ACPS-610) .....	917.30	40.64
28 46 13 31-1209 EA 220/240 Volt AC, 6 Or 10 Amperes, Addressable Charging Power Supply (Notifier ACPS-610E) .....	960.98	40.64
28 46 13 31-1210 EA Addressable Power Supply, 120 Volt AC For NFS-3030, NFS2-3030 And NCA-2 (Notifier AMPS-24).....	1,110.43	27.10
28 46 13 31-1211 EA 6A Auxiliary Power Supply (Notifier APS-6R) .....	835.86	27.10
28 46 13 31-1212 EA 10 Amperes Battery Charger (Notifier BC10A) .....	824.81	40.64
28 46 13 31-1213 EA 33.34" x 22.5" x 7.5", Combination Power Supply And Battery Enclosure For NFS-3030 Or NFS2-3030 (Notifier BB-100) .....	457.05	32.51
Note: Holds four 55 ampere hour or two 100 ampere hour batteries		
28 46 13 31-1214 EA Red, 33.34" x 22.5" x 7.5", Combination Power Supply And Battery Enclosure For NFS-3030 Or NFS2-3030 (Notifier BB-100R) .....	462.50	32.51
Note: Holds four 55 ampere hour or two 100 ampere hour batteries		
28 46 13 31-1215 EA 30.34" x 36.5" x 7.5", Combination Power Supply And Battery Enclosure For NFS2-3030 (Notifier BB-200).....	547.34	32.51
Note: Holds four 55 ampere hour or four 100 ampere hour batteries		
28 46 13 31-1216 EA 30.34" x 36.5" x 7.5", Holds Four 55 Ampere Hours Or Four 100 Ampere Hours Batteries, For NFS2-3030, Red, Combination Power Supply And Battery Enclosure (Notifier BB-200R).....	547.34	32.51
28 46 13 31-1217 EA 15.218" x 14.5" x 3.562" ACPS Stand-Alone Cabinet (Notifier CAB-PS1).....	166.41	27.10
28 46 13 31-1218 EA 25 To 120 Ampere Hours Battery Charger (Notifier CHG-120).....	859.48	27.10
28 46 13 31-1219 EA Mounts XPIQ-Ps And/Or CHS-BH In A CAB-3/4 Row, Also Mount One ACPS-610 In CAB-3 Row, Chassis Assembly (Notifier CHS-PS).....	75.42	13.54
28 46 13 31-1220 EA Door Used For Mounting ACPS-610 (E) In a CAB-PS1 Cabinet When Replacing ACPS-2406 (Notifier DR-PS1).....	115.56	13.54
28 46 13 31-1221 EA 8 Amperes, 120 Volt AC Remote Charger Power Supply (Notifier FCPS-24S8) .....	575.00	27.10
28 46 13 31-1222 EA 8.0 Amperes, 240 Volt AC Remote Charger Power Supply (Notifier FCPS-24S8E).....	582.39	81.28
28 46 13 31-1223 EA Red, 8 Amperes, 240 Volt AC Remote Charger Power Supply (Notifier FCPS-24S8R) .....	559.94	81.28
28 46 13 31-1224 EA 8 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF8).....	638.20	81.28
28 46 13 31-1225 EA 8 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF8E).....	633.35	81.28
28 46 13 31-1226 EA Chassis Mounted, 8 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF8CM) .....	588.47	40.64
28 46 13 31-1227 EA Chassis Mounted, 8 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF8CME) .....	588.47	40.64
28 46 13 31-1228 EA 12 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF12).....	722.55	40.64
28 46 13 31-1229 EA 12 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF12E).....	691.61	40.64
28 46 13 31-1230 EA 12 Amperes, 24 Volt DC, 120 Volt AC, Chassis Mounted, NAC Fire Alarm Power Supply (Notifier HPFF12CM) .....	732.87	81.28
28 46 13 31-1231 EA 12 Amperes, 24 Volt DC, 220 Volt AC, Chassis Mounted, NAC Fire Alarm Power Supply (Notifier HPFF12CME).....	732.87	81.28
28 46 13 31-1232 EA 6 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S6).....	549.02	81.28
28 46 13 31-1233 EA 6 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S6E) .....	549.02	81.28
28 46 13 31-1234 EA 8 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S8).....	587.85	81.28
28 46 13 31-1235 EA 8 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S8E) .....	587.85	81.28
28 46 13 31-1236 EA 6 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF602ULADA) .....	484.11	81.28
28 46 13 31-1237 EA 9 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF902ULADA) .....	559.94	81.28
28 46 13 31-1238 EA Class A Adapter HPFF8/HPFF12 (Notifier HPP31076) .....	117.50	13.54
28 46 13 31-1239 EA Up To 3 Amperes, Main Power Supply And Charger (Notifier MPS-24A).....	1,213.74	27.10
28 46 13 31-1240 EA Class A (Style Y) NAC Option Module For FCPS-2406 And FCPS-2408 (Notifier ZNAC-4) .....	164.85	27.10
<b>28 46 13 31-1241 Network Control Annunciators</b> <small>(28 46 13 31-0982)</small>		
28 46 13 31-1242 EA Network Control Annunciator For NFS2-3030, NFS-3030, NFS-320, NFS-640 And NFS2-640 (Notifier NCA-2).....	1,580.64	81.28
28 46 13 31-1243 EA Retro-Fit Plate For Mounting NCA2 (Notifier NCA-2RETRO) .....	67.75	16.26
28 46 13 31-1244 EA Kit For Mounting NCA-2 To CHS-M2 (Notifier NCA/640-2-Kit) .....	51.42	16.26
<b>28 46 13 31-1245 FIRSTVISION Firefighter's Display</b> <small>(28 46 13 31-0982)</small>		
28 46 13 31-1246 EA ONYX Firstvision™ Touchscreen Assembly (Notifier FIRSTVISION-LCD) .....	12,480.76	541.87
<b>28 46 13 31-1247 FlashScan Addressable Modules</b> <small>(28 46 13 31-0982)</small>		
28 46 13 31-1248 EA Intelligent Addressable Control Module (Notifier FCM-1).....	147.86	27.10
28 46 13 31-1249 EA Addressable Dual Monitor Module (Notifier FDM-1) .....	163.33	27.10
28 46 13 31-1250 EA Intelligent Addressable Monitor Module (Notifier FMM-1).....	125.51	27.10
28 46 13 31-1251 EA Intelligent Addressable Miniature Monitor Module (Notifier FMM-101) .....	113.48	27.10
28 46 13 31-1252 EA Intelligent Addressable 4 - 20mA Analog Input Module (Notifier FMM-4-20) .....	217.47	27.10
28 46 13 31-1253 EA Intelligent Addressable Relay Module (Notifier FRM-1) .....	140.89	27.10
28 46 13 31-1254 EA Intelligent Addressable 2-Wire Detector Monitor Module (Notifier FZM-1).....	182.24	27.10
28 46 13 31-1255 EA SLC Loop Powered Fault Isolator Module (Notifier ISO-X).....	123.79	27.10
<b>28 46 13 31-1256 Addressable Device Bases And Accessories</b> <small>(28 46 13 31-0982)</small>		
28 46 13 31-1257 EA Intelligent Detector Base With Flange (Notifier B710LP) .....	53.02	13.54
28 46 13 31-1258 EA Weatherproof Device Housing (Notifier DH400OE-1).....	355.84	27.10
<b>28 46 13 31-1259 XP6/XP10 Transponder</b> <small>(28 46 13 31-0982)</small>		
28 46 13 31-1260 EA Synchronization Daughter Module For XP6-C (Notifier SYNC-1) .....	113.05	27.10
28 46 13 31-1261 EA Six Circuit Supervised Control Module (Notifier XP6-C) .....	504.53	27.10
28 46 13 31-1262 EA Six Zone Intelligent To Conventional Interface Module (Notifier XP6-MA).....	607.66	27.10
28 46 13 31-1263 EA Six Relay Control Module (Notifier XP6-R).....	485.62	27.10
28 46 13 31-1264 EA Ten Input Monitor Module (Notifier XP10-M) .....	581.88	27.10
<b>28 46 13 31-1265 LCD Display Annunciators</b> <small>(28 46 13 31-0982)</small>		
28 46 13 31-1266 EA 80 Character LCD Fire Annunciator For FireWarden-100-2, NFS-640, NFS2-640 And NFS-320 (Notifier FDU-80).....	673.93	81.28
28 46 13 31-1267 EA 80 Character LCD Annunciator For NFS-640, NFS-3030, NFS2-640, NFS2-3030 And NFS-320 (Notifier LCD-80).....	927.46	81.28
28 46 13 31-1268 EA 640 Character LCD Annunciator For NFS-3030 And NFS2-3030 (Notifier LCD-160).....	958.40	81.28

**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1269	EA		8 To 16 Switch Smoke Control Expander (Notifier SCE-8) .....	649.63	27.10
28 46 13 31-1270	EA		8 To 16 Switch Smoke Control Lamp Driver Expander (Notifier SCE-8L).....	349.56	27.10
28 46 13 31-1271	EA		Eight Switch Smoke Control Master Module (Notifier SCS-8).....	838.24	27.10
<b>28 46 13 31-1272</b>			<b>ONYX ACM And AEM Series LED Annunciators (28 46 13 31-0982)</b>		
28 46 13 31-1273	EA		Remote, Eight Form C Relay Module (Notifier ACM-8R) .....	376.84	27.10
28 46 13 31-1274	EA		16 Alarm LEDs, 16 Trouble LEDs, 16 Controls Switches, Annunciator Control Module (Notifier ACM-16AT).....	663.52	27.10
28 46 13 31-1275	EA		16 Alarm LEDs, 16 Trouble LEDs, 16 Control Switches, Annunciator Expander Module (Notifier AEM-16AT).....	511.40	27.10
28 46 13 31-1276	EA		24 Alarm LEDs, 24 Trouble LEDs, 24 Control Switches, Annunciator Control Module (Notifier ACM-24AT).....	663.52	27.10
28 46 13 31-1277	EA		24 Alarm LEDs, 24 Trouble LEDs, 24 Control Switches, Annunciator Expander Module (Notifier AEM-24AT).....	511.40	27.10
28 46 13 31-1278	EA		32 Alarm LEDs And 1 Trouble LED, Control Module (Notifier ACM-32A).....	511.40	27.10
28 46 13 31-1279	EA		32 Alarm And 1 Trouble LED, Annunciator Expander Module (Notifier AEM-32A).....	459.84	27.10
28 46 13 31-1280	EA		48 Alarm And 1 Trouble LED Annunciator Control Module (Notifier ACM-48A).....	511.40	27.10
28 46 13 31-1281	EA		48 Alarm And 1 Trouble LED, Annunciator Expander Module (Notifier AEM-48A).....	459.84	27.10
<b>28 46 13 31-1282</b>			<b>Graphic Annunciator - Lamp Driver Modules (28 46 13 31-0982)</b>		
28 46 13 31-1283	EA		Single Annunciator Flush Mounted Backbox (Notifier ABF-1B).....	233.86	54.18
28 46 13 31-1284	EA		Single Annunciator Flush Mounted Backbox With Glass Door And Key Lock (Notifier ABF-1DB).....	251.91	54.18
28 46 13 31-1285	EA		Two Annunciator Flush Mounted Backbox (Notifier ABF-2B).....	292.74	67.74
28 46 13 31-1286	EA		Two Annunciator Flush Mounted Backbox With Glass Door And Key Lock (Notifier ABF-2DB).....	315.94	67.74
28 46 13 31-1287	EA		Four Annunciator Flush Mounted Backbox (Notifier ABF-4B).....	500.78	94.82
28 46 13 31-1288	EA		Annunciator Blank Plate Used With ACM-32A/ACM-16AT (Notifier ABM-1).....	88.80	16.26
28 46 13 31-1289	EA		Single Annunciator Surface Mounted Backbox (Notifier ABS-1B).....	160.38	54.18
28 46 13 31-1290	EA		Single Annunciator Surface Mounted Backbox With Trim (Notifier ABS-1TB).....	169.58	13.54
28 46 13 31-1291	EA		Two Annunciator Surface Mounted Backbox (Notifier ABS-2B).....	193.46	54.18
28 46 13 31-1292	EA		12" x 12" x 3-3/4" Surface Or Semi-Flush Mount Backbox (Notifier ABS-2D).....	327.97	67.74
28 46 13 31-1293	EA		Red, Surface (Or Semi-Flush) Mounted Backbox For ACS Annunciators, SCS Series, NCA And NCA-2 (Notifier ABS-2DR).....	319.89	13.54
28 46 13 31-1294	EA		Black, 12" x 20" x 3-1/2" Surface Or Semi-Flush Backbox (Notifier ABS-4D).....	523.98	94.82
28 46 13 31-1295	EA		Red, 12" x 20" x 3-1/2" Surface Or Semi-Flush Backbox (Notifier ABS-4DR).....	540.98	16.26
28 46 13 31-1296	EA		Black, 9-15/16" x 4-5/8" x 2-1/2" Surface Backbox (Notifier ABS-8RB).....	204.13	21.67
28 46 13 31-1297	EA		Annunciator Key Switch (Notifier AKS-1B).....	82.70	8.13
28 46 13 31-1298	EA		Chassis Used To Mount NCA-2 In ABS-2D (Notifier CHS-2D).....	90.71	27.10
28 46 13 31-1299	EA		32 Alarm Lamp Driver Annunciator Control Module (Notifier LDM-32).....	459.84	27.10
28 46 13 31-1300	EA		24" Lamp Driver Annunciator Cable (Notifier LDM-CBL24).....	141.39	5.42
28 46 13 31-1301	EA		48" Lamp Driver Annunciator Cable (Notifier LDM-CBL48).....	176.46	5.42
28 46 13 31-1302	EA		32 Alarm Lamp Driver Annunciator Expander Module (Notifier LDM-E32).....	381.63	27.10
28 46 13 31-1303	EA		Lamp Driver Module (Notifier LDM-R32).....	689.37	27.10
28 46 13 31-1304	EA		Eight Switch Smoke Control Lamp Driver Master Module (Notifier SCS-8L).....	640.27	27.10
28 46 13 31-1305	EA		48" Cable Assembly For Smoke Control Lamp Driver (Notifier SCS8L-CBL48).....	181.13	5.42
28 46 13 31-1306	EA		Black, Trim Ring For ABS-2D Cabinet (Notifier TR-ABS2D).....	167.73	16.26
28 46 13 31-1307	EA		Black, Trim Ring For ABS-4D Cabinet (Notifier TR-ABS4D).....	122.70	16.26
28 46 13 31-1308	EA		Red, Trim Ring For ABS-4D Cabinet (Notifier TR-ABS4DR).....	122.70	16.26
<b>28 46 13 31-1309</b>			<b>Network Gateways (28 46 13 31-0982)</b>		
28 46 13 31-1310	EA		Common Alerting Protocol Gateway (Notifier CAP-GW).....	1,934.92	27.10
28 46 13 31-1311	EA		Fiber-Optic Cable Interface (Multi-Mode), High-Speed Network Communications Module (Notifier HS-NCM-MF).....	1,444.71	27.10
28 46 13 31-1312	EA		Fiber-Optic Cable Interface (Multi-Mode Fiber To Single-Mode Fiber), High-Speed Network Communications Module (Notifier HS-NCM-MFSF).....	1,625.51	27.10
28 46 13 31-1313	EA		Fiber-Optic Cable Interface (Single-Mode), High-Speed Network Communications Module (Notifier HS-NCM-SF).....	1,789.31	27.10
28 46 13 31-1314	EA		Twisted-Pair Wire Interface, High-Speed Network Communications Module (Notifier HS-NCM-W).....	1,457.45	27.10
28 46 13 31-1315	EA		Wire And Fiber-Optic Cable Interface, High-Speed Network Communications Module (Multi-Mode) (Notifier HS-NCM-WMF).....	1,418.63	27.10
28 46 13 31-1316	EA		Wire And Fiber-Optic Cable Interface (Single-Mode), High-Speed Network Communications Module (Notifier HS-NCM-WSF).....	1,595.17	27.10
28 46 13 31-1317	EA		Modbus Gateway (Notifier MODBUS-GW).....	1,589.11	27.10
28 46 13 31-1318	EA		22" Widescreen HD LED Color Monitor With Speakers (Notifier MON-22LCDW).....	1,843.06	17.88
28 46 13 31-1319	EA		Capacitive Touch-Screen, 22" Widescreen HD LED Color Monitor With Speakers (Notifier MON-22LCDW-TS).....	2,728.83	17.88
28 46 13 31-1320	EA		1920x1080P Wide Screen (Notifier MON-42LCDW).....	8,595.52	17.88
28 46 13 31-1321	EA		Single Monitor, Wall Mounted, Horizontal, Tilt, Bracket (Notifier MON-42HORZ-SD).....	656.41	40.64
28 46 13 31-1322	EA		Single Monitor, Vertical Mounted, Bracket (Notifier MON-42VERT-SD).....	1,211.94	40.64
28 46 13 31-1323	EA		Dual Monitors, Vertical Wall Mounted, Fixed Position, Bracket (Notifier MON-42VERT-DD).....	1,774.00	40.64
28 46 13 31-1324	EA		Mass Notification Voice Paging (Notifier NOTIFY-IP).....	718.32	
28 46 13 31-1325	EA		Embedded NFN Gateway (Notifier NFN-GW-EM).....	1,893.38	27.10
28 46 13 31-1326	EA		NFN Gateway PC Card With Fiber (Notifier NFN-GW-PC-F).....	1,893.38	27.10
28 46 13 31-1327	EA		High Speed NFN Gateway PC Card For Multimode Fiber (Included With ONYXworks-HNMF) (Notifier NFN-GW-PC-HNMF).....	2,195.80	27.10
28 46 13 31-1328	EA		High Speed NFN Gateway PC Card For Single Mode Fiber (Included With ONYXworks-HNSF) (Notifier NFN-GW-PC-HNSF).....	2,553.74	27.10
28 46 13 31-1329	EA		High Speed NFN Gateway PC Card For Wire (Included With ONYXworks-HNW) (Notifier NFN-GW-PC-HNW).....	2,195.80	27.10
28 46 13 31-1330	EA		NFN Gateway PC Card With Wire (Notifier NFN-GW-PC-W).....	1,893.38	27.10
28 46 13 31-1331	EA		Alpha-Numeric Pager Option For ONYXworks (Notifier ONYX-PAGER).....	1,372.48	
28 46 13 31-1332	EA		ONYXWorks Workstation (Notifier ONYXWORKS-WS).....	17,052.34	650.25
28 46 13 31-1333	EA		Fiber Network Graphical User Interface (Notifier ONYXWorks-Lite OW-LITE-NW).....	5,445.23	
			Note: Includes PC slot network fiber card, workstation software and security key with a four node license. Excludes PC workstation.		
28 46 13 31-1334	EA		Wired Network Graphical User Interface (Notifier ONYXWorks-Lite OW-LITE-NF).....	5,445.23	
			Note: Includes PC slot network fiber card, workstation software and security key with a four node license. Excludes PC workstation.		
28 46 13 31-1335	EA		Fiber Optics, Standard Network Repeater Board (Notifier RPT-F).....	685.14	27.10
28 46 13 31-1336	EA		Wire, Standard Network Repeater Board (Notifier RPT-W).....	561.98	27.10
28 46 13 31-1337	EA		Wire To Fiber Optics, Standard Network Repeater Board (Notifier RPT-WF).....	664.51	27.10
28 46 13 31-1338	EA		Signaling Line Circuit Integration Module (Notifier SLC-IM).....	739.13	27.10

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1339	EA		VESDA Gateway That Provides A Communication Link Between The Noti-Fire-Net™ Network And Vesda™ Detectors On The Vesdanet™ (Notifier VESDA-HLI-GW).....	1,516.30	27.10
28 46 13 31-1340	EA		Vesda™ High Level Interface Card Used With SLC-IM And Vesda-HLI-GW To Provide A Communication Link Between The Noti-Fire-Net™ Network And Vesda™ Detectors On The Vesdanet™ (Notifier VHX-1420-HFS).....	2,354.71	27.10
28 46 13 31-1341	EA		Windows 7 Hard Drive Upgrade (Notifier WIN7-UG-US-3).....	2,614.24	
<b>28 46 13 31-1342</b>			<b>NOTI-FIRE-NET Network Components</b> (28 46 13 31-0982)		
28 46 13 31-1343	EA		Interface Between NOTI-FIRE-NET 50 And BACnet (Notifier BACNET-GW-3).....	1,893.38	27.10
28 46 13 31-1344	EA		Fiber Optic Network Communications Module (Notifier NCM-F).....	850.88	27.10
28 46 13 31-1345	EA		NOTI-FIRE-NET Web Server (Notifier NWS).....	1,893.38	27.10
28 46 13 31-1346	EA		Wired Network Communications Module (Notifier NCM-W).....	811.35	27.10
28 46 13 31-1347	EA		Fiber Optic Converter Module Mounting Kit (Notifier SMF-Kit).....	111.68	13.54
<b>28 46 13 31-1348</b>			<b>FireWarden Addressable Fire Panels</b> (28 46 13 31-0982)		
28 46 13 31-1349	EA		50 Point, Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW-50).....	1,904.51	541.87
28 46 13 31-1350	EA		Black, One SLC Loop, 120 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100).....	2,209.61	541.87
28 46 13 31-1351	EA		Black, One DC Loop, 120 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100C).....	2,118.75	270.94
28 46 13 31-1352	EA		Black, One SLC Loop, 240 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100E).....	2,118.75	270.94
28 46 13 31-1353	EA		Red, One SLC Loop, 120 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100R).....	2,111.47	270.94
<b>28 46 13 31-1354</b>			<b>FireWarden Accessories</b> (28 46 13 31-0982)		
28 46 13 31-1355	EA		Intelligent Multicriteria Photo/Thermal Detector With Base (Notifier NP-A100).....	173.25	40.64
28 46 13 31-1356	EA		Intelligent Addressable Photo/Thermal Detector With Base (Notifier NP-100T).....	165.45	40.64
<b>28 46 13 31-1357</b>			<b>FireWarden Devices</b> (28 46 13 31-0982)		
28 46 13 31-1358	EA		SLC Loop Powered Fault Isolator Module (Notifier N100-ISO).....	122.94	27.10
28 46 13 31-1359	EA		Intelligent Addressable Control Module (Notifier NC-100).....	143.56	27.10
28 46 13 31-1360	EA		Intelligent Addressable Relay Module (Notifier NC-100R).....	138.41	27.10
28 46 13 31-1361	EA		Intelligent Addressable Low Flow Duct Photoelectric Smoke Detector (Notifier ND-100).....	393.68	40.64
28 46 13 31-1362	EA		Intelligent Addressable Low Flow Duct Photoelectric Smoke Detector With DPDT Relay (Notifier ND-100R).....	475.53	40.64
28 46 13 31-1363	EA		Two Zone Intelligent Addressable, Two Wire Detector Monitor Module (Notifier NDM-100).....	138.41	27.10
28 46 13 31-1364	EA		Intelligent Addressable Thermal Detector With Base (Notifier NH-100).....	148.32	40.64
28 46 13 31-1365	EA		Intelligent Addressable High Temperature Thermal Detector With Base (Notifier NH-100H).....	148.32	40.64
28 46 13 31-1366	EA		Intelligent Addressable Rate-Of-Rise Thermal Detector With Base (Notifier NH-100R).....	148.32	40.64
28 46 13 31-1367	EA		Intelligent Addressable Ionization Smoke Detector With Base (Notifier NI-100).....	193.01	40.64
28 46 13 31-1368	EA		Intelligent Addressable Monitor Module (Notifier NMM-100).....	121.22	27.10
28 46 13 31-1369	EA		Intelligent Addressable Mini Monitor Module (Notifier NMM-100P).....	111.33	27.10
28 46 13 31-1370	EA		Intelligent Addressable Manual Pull Station (Notifier NOT-BG12LX).....	159.46	27.10
28 46 13 31-1371	EA		Intelligent Addressable Photoelectric Smoke Detector With Base (Notifier NP-100).....	154.33	40.64
28 46 13 31-1372	EA		Intelligent Addressable 2-Wire Detector Monitor Module (Notifier NZM-100).....	177.08	27.10
28 46 13 31-1373	EA		Six Zone Intelligent Addressable 2-Wire Detector Monitor Module (Notifier NZM-100-6).....	593.91	27.10
<b>28 46 13 31-1374</b>			<b>SFP-2402 And SFP-2404 2 And 4-Zone Control Panels And Accessories</b> (28 46 13 31-0982)		
28 46 13 31-1375	EA		120 Volt AC, Two Zone Conventional Fire Alarm Control Panel (Notifier SFP-2402).....	1,296.71	433.49
28 46 13 31-1376	EA		120 Volt AC, Four Zone Conventional Fire Alarm Control Panel (Notifier SFP-2404).....	1,407.58	433.49
28 46 13 31-1377	EA		240 Volt AC, Two Zone Conventional Fire Alarm Control Panel (Notifier SFP-2402E).....	914.38	135.46
28 46 13 31-1378	EA		240 Volt AC, Four Zone Conventional Fire Alarm Control Panel (Notifier SFP-2404E).....	1,010.84	135.46
28 46 13 31-1379	EA		Class A Converter Module (Notifier CAC-4).....	313.71	27.10
28 46 13 31-1380	EA		Internal Dress Plate, Required For FM And ULC (Notifier DP-4X).....	116.88	16.26
28 46 13 31-1381	EA		Remote Zone Annunciator (Notifier RZA-4X).....	177.14	40.64
<b>28 46 13 31-1382</b>			<b>SFP-5UD 5 Zone Control Panels And Accessories</b> (28 46 13 31-0982)		
28 46 13 31-1383	EA		120 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFP-5UD).....	1,938.88	541.87
28 46 13 31-1384	EA		120 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDC).....	3,612.43	406.40
28 46 13 31-1385	EA		240 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDE).....	2,384.32	270.94
28 46 13 31-1386	EA		Red, 120 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDR).....	2,384.32	270.94
28 46 13 31-1387	EA		Class A Converter Module (Notifier N-CAC-5X).....	324.62	27.10
28 46 13 31-1388	EA		Red, Trim Ring For NFW2-100, NFW-50, SFB-5UD, SFB-10UD, RP-2001, RP-2002 Cabinet (Notifier TR-CE).....	126.04	16.26
<b>28 46 13 31-1389</b>			<b>SFP-10UD 10 Zone Control Panels And Accessories</b> (28 46 13 31-0982)		
28 46 13 31-1390	EA		120 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDC).....	4,409.19	541.87
28 46 13 31-1391	EA		240 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDE).....	3,297.42	406.40
28 46 13 31-1392	EA		120 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFP-10UD).....	2,179.53	541.87
28 46 13 31-1393	EA		Red, 120 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDR).....	3,839.29	541.87
28 46 13 31-1394	EA		Four Channel, Dual Line, Stand Alone Fire Alarm Communicator (Fire-Lite 411UDAC).....	530.40	81.28
<b>28 46 13 31-1395</b>			<b>Smoke Detectors</b> (28 46 13 31-0982)		
28 46 13 31-1396	EA		Low Profile Intelligent Addressable Ionization Smoke Detector (Notifier FSI-851).....	205.04	40.64

**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
28 46 13 31-1397	EA	Intelligent Addressable Laser Smoke Detector (Notifier FSL-751).....	330.52	40.64
28 46 13 31-1398	EA	Intelligent Addressable Laser Duct Smoke Detector (Notifier FSL-751D).....	1,172.63	40.64
28 46 13 31-1399	EA	Remote Test Capable Intelligent Addressable Photo Detector (Notifier NP-100R).....	156.88	40.64
Note: For use with DNR(W) duct detector housing.				
28 46 13 31-1400	EA	Filters For Harsh Detector (Notifier RF-FTX) .....	19.28	
28 46 13 31-1401	EA	Key Activated Remote Test Station For Duct Smoke Detector (Notifier RTS151KEY) .....	125.30	27.10
<b>28 46 13 31-1402</b>		<b>Pull Stations</b> <small>(28 46 13 31-0982)</small>		
28 46 13 31-1403	EA	Trim Ring For NBG12 Series Pull Station (Notifier BG12TR) .....	27.05	5.42
28 46 13 31-1404	EA	One End Tapped For 1/2" Conduit, Aluminum, Surface Mounted Backbox (Notifier BG-2).....	74.16	13.54
28 46 13 31-1405	EA	Red, One End Tapped For 1/2" Conduit, Aluminum, Surface Mounted Backbox (Notifier BG-2R) .....	59.52	13.54
28 46 13 31-1406	EA	Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1) .....	99.28	27.10
28 46 13 31-1407	EA	DPDT Switch, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1F).....	109.08	27.10
28 46 13 31-1408	EA	Terminal Switch, DPDT Switch, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1FTS).....	147.64	27.10
28 46 13 31-1409	EA	Red Body, Silver Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1R).....	99.28	27.10
28 46 13 31-1410	EA	Red Letters, Spring Retainer, Aluminum Single Action Pull Station With Terminal Strip (Notifier BNG-1TS).....	113.65	27.10
28 46 13 31-1411	EA	Standard "Local" Style Red Letters, Spring Retainer, Aluminum Single Action Pull Station With Terminal Strip (Notifier BNG-1TSL) .....	113.65	27.10
28 46 13 31-1412	EA	Terminal Strip, Red Body, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1TSR) .....	113.65	27.10
28 46 13 31-1413	EA	Red Letters, Breakglass, Aluminum Single Action Pull Station (Notifier BRG-1) .....	107.77	27.10
28 46 13 31-1414	EA	Red Body, Silver Letters, Breakglass, Aluminum Single Action Pull Station (Notifier BRG-1R).....	116.27	27.10
28 46 13 31-1415	EA	Hazardous, Non-Hazardous, Weatherproof, Harsh Locations Fire Alarm Pull Station (Notifier HAZ-WP-PULL).....	560.08	32.51
28 46 13 31-1416	EA	Red, Single Action Fire Alarm Pull Station (Notifier NBG-12S).....	83.10	27.10
28 46 13 31-1417	EA	Red, Dual Action Fire Alarm Pull Station (Notifier NBG-12).....	86.45	27.10
28 46 13 31-1418	EA	Red, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12L) .....	89.63	27.10
28 46 13 31-1419	EA	Red, Outdoor, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LOB) .....	189.64	32.51
28 46 13 31-1420	EA	Red, Presignal, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LPS).....	123.35	27.10
28 46 13 31-1421	EA	Red, Agent Releasing, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LR) .....	105.62	27.10
28 46 13 31-1422	EA	Addressable Manual Dual Action Fire Alarm Pull Station (Notifier NBG-12LX) .....	160.32	27.10
28 46 13 31-1423	EA	Pull Station Trim Plate For New York City, For Use With All NBG Series Pull Stations (Notifier NY-PLATE).....	53.98	5.42
<b>28 46 13 31-1424</b>		<b>Rate Compensation Heat Detectors</b> <small>(28 46 13 31-0982)</small>		
28 46 13 31-1425	EA	135 Degree F Explosion Proof Rate Compensation Heat Detectors (Edwards Signaling 302-EPM-135).....	156.91	40.64
28 46 13 31-1426	EA	194 Degree F Explosion Proof Rate Compensation Heat Detectors (Edwards Signaling 302-EPM-194).....	156.91	40.64
<b>28 46 13 31-1427</b>		<b>FM Series Door Releases</b> <small>(28 46 13 31-0982)</small>		
28 46 13 31-1428	EA	1/2" Door Holder Spacer (Notifier FM900-50).....	26.57	8.13
28 46 13 31-1429	EA	3/4" Door Holder Spacer (Notifier FM900-75) .....	26.57	8.13
28 46 13 31-1430	EA	1" Door Holder Spacer (Notifier FM900-100).....	26.57	8.13
28 46 13 31-1431	EA	Door Holder Extension Kit (Notifier FM900) .....	27.86	8.13
28 46 13 31-1432	EA	90 Degree Door Holder Extension Kit (Notifier FM900-Z).....	28.29	8.13
28 46 13 31-1433	EA	12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Floor Mounted, Door Holder (Notifier FM980) .....	185.27	40.64
28 46 13 31-1434	EA	12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Surface Mounted, Door Holder (Notifier FM996) .....	163.79	40.64
28 46 13 31-1435	EA	12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Recessed Mounted, Concealed Wiring, Door Holder (Notifier FM998) .....	163.79	40.64
<b>28 46 13 31-1436</b>		<b>Multicriteria Fire Detector</b> <small>(28 46 13 31-0982)</small>		
28 46 13 31-1437	EA	Intelligent Addressable Combination Multi-Criteria Fire/Carbon Monoxide Detector With Flashscan (Notifier FCO-851) .....	256.64	40.64
28 46 13 31-1438	EA	Intelligent Addressable Multicriteria Fire Detector (Notifier FSC-851).....	255.86	40.64
Note: Detects fire, thermal, photo, CO and IR, with Flashscan.				
<b>28 46 13 31-1439</b>		<b>Modules</b> <small>(28 46 13 31-0982)</small>		
28 46 13 31-1440	EA	Intelligent Addressable Dual Monitor/Dual Relay Module (Notifier FDRM-1) .....	296.57	27.10
28 46 13 31-1441	EA	Addressable Firephone Control Module (Notifier FTM-1) .....	188.23	27.10
<b>28 46 13 31-1442</b>		<b>DH Series Door Releases</b> <small>(28 46 13 31-0982)</small>		
28 46 13 31-1443	EA	Semi-Flush, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120FPC).....	165.26	40.64
28 46 13 31-1444	EA	Semi-Flush, Plated Brass, Electromagnetic Door Holder (Notifier DH24120FB) .....	174.81	40.64
28 46 13 31-1445	EA	Semi-Flush, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120FD).....	183.77	40.64
28 46 13 31-1446	EA	Surface Mounted, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120SPC) .....	181.43	40.64
28 46 13 31-1447	EA	Surface Mounted, Plated Brass, Electromagnetic Door Holder (Notifier DH24120SB) .....	189.22	40.64
28 46 13 31-1448	EA	Surface Mounted, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120SPD) .....	195.85	40.64
28 46 13 31-1449	EA	Recessed, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120WPC).....	165.26	40.64
28 46 13 31-1450	EA	Recessed, Plated Brass, Electromagnetic Door Holder (Notifier DH24120WB) .....	173.64	40.64
28 46 13 31-1451	EA	Recessed, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120WD).....	183.77	40.64
28 46 13 31-1452	EA	Floor Mounted, Single Door, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120GPC1) .....	205.20	40.64
28 46 13 31-1453	EA	Floor Mounted, Single Door, Plated Brass, Electromagnetic Door Holder (Notifier DH24120GB1).....	217.67	40.64
28 46 13 31-1454	EA	Floor Mounted, Single Door, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120GPD1) .....	232.09	40.64
28 46 13 31-1455	EA	Floor Mounted, Double Door, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120GPC2) .....	235.60	40.64
28 46 13 31-1456	EA	Floor Mounted, Double Door, Plated Brass, Electromagnetic Door Holder (Notifier DH24120GB2).....	250.41	40.64
28 46 13 31-1457	EA	Floor Mounted, Double Door, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120GPD2).....	268.33	40.64
28 46 13 31-1458	EA	.5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE.5PC) .....	19.37	5.42
28 46 13 31-1459	EA	.5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE.5B).....	19.37	5.42
28 46 13 31-1460	EA	.5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE.5D) .....	20.97	5.42
28 46 13 31-1461	EA	1" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1PC).....	19.37	5.42
28 46 13 31-1462	EA	1" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE1B).....	19.37	5.42
28 46 13 31-1463	EA	1" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE1D) .....	20.97	5.42

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1464	EA		1.5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1.5PC).....	20.19	5.42
28 46 13 31-1465	EA		1.5" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1.5APC) .....	20.19	5.42
28 46 13 31-1466	EA		1.5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE1.5B).....	20.97	5.42
28 46 13 31-1467	EA		1.5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE1.5D) .....	21.87	5.42
28 46 13 31-1468	EA		2" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE2PC) .....	21.87	5.42
28 46 13 31-1469	EA		2" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE2APC) .....	21.87	5.42
28 46 13 31-1470	EA		2" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE2B) .....	22.69	5.42
28 46 13 31-1471	EA		2" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE2D) .....	22.69	5.42
28 46 13 31-1472	EA		3" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE3PC) .....	22.69	5.42
28 46 13 31-1473	EA		3" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE3B) .....	23.58	5.42
28 46 13 31-1474	EA		3" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE3D) .....	23.58	5.42
28 46 13 31-1475	EA		4" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE4PC) .....	24.40	5.42
28 46 13 31-1476	EA		4" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE4APC) .....	24.40	5.42
28 46 13 31-1477	EA		4" Adjustable Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE4AB) .....	25.30	5.42
28 46 13 31-1478	EA		4" Adjustable Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE4AD) .....	27.83	5.42
28 46 13 31-1479	EA		5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE5PC) .....	26.97	5.42
28 46 13 31-1480	EA		5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE5B) .....	26.12	5.42
28 46 13 31-1481	EA		5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE5D) .....	27.83	5.42
28 46 13 31-1482	EA		Catch Plate, Powder Coated Chrome For Electromagnetic Door Holder (Notifier DHCPCC) .....	27.29	8.13
28 46 13 31-1483	EA		Catch Plate, Plated Brass For Electromagnetic Door Holder (Notifier DHCPB).....	28.11	8.13
28 46 13 31-1484	EA		Catch Plate, Powder Coated Dark Bronze For Electromagnetic Door Holder (Notifier DHCPD) .....	30.72	8.13
28 46 13 31-1485	EA		Swivel Base, Powder Coated Chrome, For Electromagnetic Door Holder (Notifier DHSBPC) .....	47.67	8.13
28 46 13 31-1486	EA		Swivel Base, Plated Brass, For Electromagnetic Door Holder (Notifier DHSBB) .....	50.16	8.13
28 46 13 31-1487	EA		Swivel Base, Powder Coated Dark Bronze, For Electromagnetic Door Holder (Notifier DHSBD) .....	52.66	8.13
28 46 13 31-1488	EA		Surface Mounted Backbox, Powder Coated Chrome For Electromagnetic Door Holder (Notifier DHBBC).....	46.58	13.54
28 46 13 31-1489	EA		Surface Mounted Backbox, Plated Brass For Electromagnetic Door Holder (Notifier DHBBD) .....	48.30	13.54
28 46 13 31-1490	EA		Surface Mounted Backbox, Powder Coated Dark Bronze For Electromagnetic Door Holder (Notifier DHBBD).....	51.73	13.54
28 46 13 31-1491	EA		Swivel Base Mounting Drill Fixture For Electromagnetic Door Holder (Notifier DHDF).....	240.83	
<b>28 46 13 31-1492</b>			<b>First Command (28 46 13 31-0982)</b>		
28 46 13 31-1493	EA		Black, 120 Volt AC, 50 Watt, 25 VRMS, One Class A/B Speaker Circuit, Primary Operating Console (Notifier NFC-50/100).....	4,693.24	677.33
28 46 13 31-1494	EA		Black, 220-240 Volt AC, 50 Watt, 25 VRMS, One Class A/B Speaker Circuit, Primary Operating Console (Notifier NFC-50/100E) .....	4,729.64	677.33
28 46 13 31-1495	EA		Black, 120 Volt AC, 50 Watt, 25 VRMS Or 70 VRMS, Four Class A/B Speaker Circuits, Distributed (Remote) Audio Amplifier (Notifier NFC-50DA) .....	1,101.91	54.18
28 46 13 31-1496	EA		Black, 220-240 Volt AC, 50 Watt, 25 VRMS Or 70 VRMS, Four Class A/B Speaker Circuits, Distributed (Remote) Audio Amplifier (Notifier NFC-50DAE).....	1,129.21	54.18
28 46 13 31-1497	EA		Black, 120 Volt AC, 125 Watt, 25 VRMS, Four Class A/B Speaker Outputs, Distributed Audio Amplifier (Notifier NFC-125DA).....	1,951.88	54.18
28 46 13 31-1498	EA		Black, 220-240 Volt AC, 125 Watt, 25 VRMS, Four Class A/B Speaker Outputs, Distributed Audio Amplifier (Notifier NFC-125DAE) .....	2,012.55	54.18
28 46 13 31-1499	EA		50 Watt, 25 VRMS Audio Amplifier Module For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-25 Volt) .....	740.42	27.10
28 46 13 31-1500	EA		50 Watt, 70 VRMS Audio Amplifier Module For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-70 Volt) .....	740.42	27.10
28 46 13 31-1501	EA		Circuit Expander Module For NFC-50/125DA(E), Four Additional Class A/B Speaker Circuits (Notifier NFC-CE4) .....	369.05	27.10
28 46 13 31-1502	EA		Circuit Expander Module For NFC-50/100(E), Six Additional Class A/B Speaker Circuits (Notifier NFC-CE6) .....	411.52	27.10
28 46 13 31-1503	EA		Standalone Firefighter Telephone System (Notifier NFC-FFT).....	1,463.50	54.18
28 46 13 31-1504	EA		Note: Includes onboard SLC supports up to 24 monitor modules, built-in handset, black. Local Operator Console (Notifier NFC-LOC) .....	1,434.38	54.18
28 46 13 31-1505	EA		Note: Includes built-in microphone, message and zone control switches, black. Black, Remote Microphone (Notifier NFC-RM) .....	399.12	
28 46 13 31-1506	EA		Remote Page Unit (Notifier NFC-RPU).....	1,225.07	54.18
28 46 13 31-1507	EA		Note: Includes built-in microphone, message control switches, black. 70 V Conversion Module For NFC-50/100 (Notifier NFC-XRM-70V) .....	282.54	27.10
28 46 13 31-1508	EA		Firefighters Phone Jack (Notifier N-FPJ) .....	127.32	8.13
28 46 13 31-1509	EA		Thumbatch Option For NFC-LOC And NFC-RPU (Notifier THUMBLTCH) .....	37.77	8.13
28 46 13 31-1510	EA		Black, Trim Ring For NFC-RPU Cabinet (Notifier TR-6-B).....	117.66	16.26
<b>28 46 13 31-1511</b>			<b>LED Displays (28 46 13 31-0982)</b>		
28 46 13 31-1512	EA		2.1" x 27" Programmable LED Indoor Display (Notifier ALPHA-215) .....	1,103.67	32.51
28 46 13 31-1513	EA		Instant And Integrated Emergency Notification System (Notifier LEDSIGN-GW) .....	1,549.42	43.35
28 46 13 31-1514	EA		4" x 45-1/2" Programmable LED Array, Mass Notification Device (Notifier MEGADOT) .....	1,567.01	43.35
28 46 13 31-1515	EA		8 Messages, FACP Interface For LED Arrays (Notifier MNS-CONTROL8) .....	1,506.34	43.35
28 46 13 31-1516	EA		16 Messages, FACP Interface For LED Arrays (Notifier MNS-CONTROL16) .....	2,094.83	43.35
28 46 13 31-1517	EA		LED Sign, Instant And Integrated Emergency Notification System (Notifier OAX2-24V) .....	1,597.35	43.35
<b>28 46 13 31-1518</b>			<b>Control Relays (28 46 13 31-0982)</b>		
28 46 13 31-1519	EA		Single SPDT Relay With LED With Metal Backbox And Red Plastic Cover (Notifier MR-101/CR) .....	60.38	13.54
28 46 13 31-1520	EA		Single SPDT Relay With LED With Track Mounting Hardware (Notifier MR-101/T) .....	47.21	13.54
28 46 13 31-1521	EA		Four Position SPDT Relay With LEDs With Metal Backbox And Red Plastic Cover (Notifier MR-104/CR) .....	161.34	27.10
28 46 13 31-1522	EA		Four Position SPDT Relay With LED With Track Mounting Hardware (Notifier MR-104/T) .....	89.65	13.54
28 46 13 31-1523	EA		Four Position DSPDT Relay With LED With Track Mounting Hardware (Notifier MR-204/T) .....	105.82	13.54
28 46 13 31-1524	EA		24 Volt DC, 30 Amperes Contacts, DPDT Relay In Steel Enclosure (Notifier MR-199X-13C) .....	165.63	27.10
28 46 13 31-1525	EA		120 Volt AC, 30 Amperes Contacts, DPDT Relay In Steel Enclosure (Notifier MR-199X-14C).....	165.63	27.10
28 46 13 31-1526	EA		Single DPDT Relay With LED With Metal Backbox And Red Plastic Cover (Notifier MR-201/CR) .....	90.03	27.10
28 46 13 31-1527	EA		Single DPDT Relay With LED With Track Mounting Hardware (Notifier MR-201/T) .....	50.64	13.54
28 46 13 31-1528	EA		Four Position DPDT Relay With LEDs With Metal Backbox And Red Plastic Cover (Notifier MR-204/CR).....	175.37	27.10
28 46 13 31-1529	EA		24 Volt DC / 24 Volt AC / 115 Volt AC, 10 Amperes, Form C, Multi-Voltage Relay Module (Notifier PAM-1) .....	68.36	27.10
28 46 13 31-1530	EA		12/24 Volt DC, 7 Amperes, Form C, Multi-Voltage Relay Module (Notifier PAM-2) .....	68.36	27.10

**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1531	EA		9 To 40 Volt DC, 10 Amperes, Form C, Multi-Voltage Relay Module (Notifier PAM-4)	68.36	27.10
<b>28 46 13 31-1532</b>			<b>Gamewell-FCI Fire Control Instruments</b> <small>(28 46 13 31-0982)</small>		
<b>28 46 13 31-1533</b>			<b>7100 Series And NetSOLO®</b> <small>(28 46 13 31-1532)</small>		
<b>28 46 13 31-1534</b>			<b>7100 Compact Analog Addressable Fire Alarm Control Panels</b> <small>(28 46 13 31-1533)</small>		
28 46 13 31-1535	EA		Enclosure With Metal Door (Gamewell-FCI 7100-ENCL-M)	973.86	325.12
28 46 13 31-1536	EA		Basic Systems Kit, 2 Signaling Line Circuits (SLC) (Gamewell-FCI BK-7100-2)	4,151.61	541.87
28 46 13 31-1537	EA		Basic Systems Kit, With Digital Alarm Communicator Transmitter (DACT), 2 Signaling Line Circuits (SLC) (Gamewell-FCI BK-7100-2D)	4,528.28	541.87
28 46 13 31-1538	EA		Basic Systems Kit, 2 Signaling Line Circuits (SLC), 240 Volt AC (Gamewell-FCI BK-7100-2-E)	4,151.61	541.87
28 46 13 31-1539	EA		Basic Systems Kit, With Digital Alarm Communicator Transmitter (DACT), 2 Signaling Line Circuits (SLC), 240 Volt AC (Gamewell-FCI BK-7100-2D-E)	4,528.28	541.87
28 46 13 31-1540	EA		Removal And Replacement Of Board For 7100-1D (Gamewell-FCI BSM-7100-1)	1,268.88	
28 46 13 31-1541	EA		Removal And Replacement Of Board For 7100-2 (Gamewell-FCI BSM-7100-1D)	1,520.88	
28 46 13 31-1542	EA		Analog Loop Unit (Gamewell-FCI ALU)	1,520.88	54.18
<b>28 46 13 31-1543</b>			<b>NetSOLO® Intelligent Network</b> <small>(28 46 13 31-1533)</small>		
28 46 13 31-1544	EA		Intelligent Network Interface Module, Fiber Optic (Gamewell-FCI INI-7100-FO) Note: Mounted in 7100 panel.	1,686.67	54.18
28 46 13 31-1545	EA		Intelligent Network Interface Module, Unshielded Twisted Pair (Gamewell-FCI INI-7100-UTP) Note: Mounted in 7100 panel.	1,340.50	54.18
<b>28 46 13 31-1546</b>			<b>Components And Accessories</b> <small>(28 46 13 31-1533)</small>		
28 46 13 31-1547	EA		Remote Serial Annunciator, LCD Display (Gamewell-FCI LCD-7100)	831.96	40.64
28 46 13 31-1548	EA		Remote LED Driver Module, Outputs For Remote Panel Switches And 33 Remote LEDs (Gamewell-FCI LDM-7100)	633.59	54.18
28 46 13 31-1549	EA		Fiber Optic Line Driver Module (Gamewell-FCI FLD-1)	1,160.13	54.18
28 46 13 31-1550	EA		Class "A" Optional Module For Both Signaling Line Circuits (SLC) (Gamewell-FCI CAOM)	469.13	54.18
28 46 13 31-1551	EA		Enclosure Box (Gamewell-FCI EN-7100)	385.19	108.38
28 46 13 31-1552	EA		Serial Printer (Order RJAA To Db25 Connector Separately) (Gamewell-FCI P7200-TR-2)	1,210.70	27.10
<b>28 46 13 31-1553</b>			<b>E3 Series® Basic System</b> <small>(28 46 13 31-1532)</small>		
28 46 13 31-1554	EA		Intelligent Loop Interface, Mother Board (Gamewell-FCI ILI-MB-E3)	1,119.21	54.18
28 46 13 31-1555	EA		Intelligent Loop Interface, Supplemental (Gamewell-FCI ILI-S-E3)	963.21	54.18
28 46 13 31-1556	EA		Intelligent Loop Interface, Mother Board, XP95 Protocol (Gamewell-FCI ILI95-MB-E3)	1,119.21	54.18
28 46 13 31-1557	EA		Intelligent Loop Interface, Supplemental, XP95 Protocol (Gamewell-FCI ILI95-S-E3)	963.21	54.18
28 46 13 31-1558	EA		LCD Keypad Display (Gamewell-FCI LCD-E3)	710.74	54.18
28 46 13 31-1559	EA		Power Supply Module (Gamewell-FCI PM-9)	930.49	54.18
28 46 13 31-1560	EA		Transponder 9 Amperes Power Supply (Gamewell-FCI PM-9 INX)	783.33	54.18
28 46 13 31-1561	EA		Power Supply And Charger, 120/220 Volt AC (Gamewell-FCI PM-9G 9A)	773.55	27.10
28 46 13 31-1562	EA		Digital Alarm Communication Transmitter (Gamewell-FCI DACT-E3)	446.40	54.18
28 46 13 31-1563	EA		Network Repeater, Fiber Optic (Gamewell-FCI RPT-E3-FO)	1,191.78	54.18
28 46 13 31-1564	EA		Network Repeater, Unshielded Twisted Pair (Gamewell-FCI RPT-E3-UTP)	998.93	54.18
28 46 13 31-1565	EA		Local Operating Console (Gamewell-FCI 1100-0455)	667.42	40.64
28 46 13 31-1566	EA		Network Graphic Annunciator (Gamewell-FCI 1100-0505)	2,147.22	40.64
28 46 13 31-1567	EA		70.7 VRMS Audio Output Series Amplifier Module (Gamewell-FCI AM-50-70)	853.92	54.18
28 46 13 31-1568	EA		INI-VGE-UTP Classic Enabled Voice Gateway Module (Gamewell-FCI 1100-1326)	2,597.29	54.18
28 46 13 31-1569	EA		8-1/4" Wide x 10" High x 4-1/2" Deep Cabinet (Gamewell-FCI E3BB-BAA1)	604.58	108.38
28 46 13 31-1570	EA		C Size, Black, Command Center Enclosure (Gamewell-FCI E3BB-BC/INCC)	446.44	108.38
28 46 13 31-1571	EA		Double Size, Blank, Inner Door Panel (Gamewell-FCI E3-BP)	98.11	27.10
28 46 13 31-1572	EA		Programmable Switch Module (Gamewell-FCI ASM-16)	599.15	54.18
28 46 13 31-1573	EA		LED Driver module (Gamewell-FCI ANU-48)	599.15	54.18
28 46 13 31-1574	EA		Network Graphic Annunciator (Gamewell-FCI NGA)	1,799.54	40.64
<b>28 46 13 31-1575</b>			<b>Addressable Devices, Module, Pulls And Accessories</b> <small>(28 46 13 31-1532)</small>		
<b>28 46 13 31-1576</b>			<b>Velociti® Series Sensors And Bases</b> <small>(28 46 13 31-1575)</small>		
28 46 13 31-1577	EA		Analog Addressable Plug-In Ionization Smoke Sensor (Gamewell-FCI ASD-IL2F)	190.04	40.64
28 46 13 31-1578	EA		Analog Addressable Plug-In Photoelectric Smoke Sensor (Gamewell-FCI ASD-PL2F)	194.01	40.64
28 46 13 31-1579	EA		Analog Addressable Plug-In Photoelectric Smoke Sensor With 135 Degree F Fixed Temperature Thermal Sensing (Gamewell-FCI ASD-PTL2F)	205.95	40.64
28 46 13 31-1580	EA		Addressable Plug-In Thermal Sensor, 15 Degree F Rate Of Rise, 135 Degree F (Gamewell-FCI ATD-RL2F)	158.20	40.64
28 46 13 31-1581	EA		Addressable Plug-In Thermal Sensor, 190 Degree F (Gamewell-FCI ATD-HL2F)	164.84	40.64
28 46 13 31-1582	EA		Addressable Plug-In Thermal Sensor, 135 Degree F (Gamewell-FCI ATD-L2F)	158.20	40.64
28 46 13 31-1583	EA		Addressable Plug-In Multi-Criteria Analog Sensor (Gamewell-FCI MCS-ACCLIMATE2F)	233.80	40.64
28 46 13 31-1584	EA		Analog Addressable Laser Smoke Sensor, Low Profile (Gamewell-FCI ASD-LS)	512.32	40.64
28 46 13 31-1585	EA		Analog Addressable Low Flow Photoelectric Smoke Duct Detector Without Relay (Gamewell-FCI ADPF)	433.88	67.74
28 46 13 31-1586	EA		Analog Addressable Low Flow Photoelectric Smoke Duct Detector With Relay (Gamewell-FCI ADPRF)	486.93	67.74
28 46 13 31-1587	EA		Removal And Replacement Of Duct Detector Board (Gamewell-FCI ADP-F-SB)	237.58	
28 46 13 31-1588	EA		Flanged Mounting Base, For Use With Analog Sensor Or Velociti Sensors (Gamewell-FCI ADB-FLF)	48.32	13.54
28 46 13 31-1589	EA		Harsh Environment Analog Addressable Photoelectric Smoke Sensor (Gamewell-FCI ASD-FILTREX-F)	552.11	40.64
28 46 13 31-1590	EA		Flanged Mounting Base, For Use With ASD-FILTREX Or ASD-FILTREX-F (Gamewell-FCI ADB-FILTREXF)	109.99	13.54
28 46 13 31-1591	EA		Addressable Single-Ended Reflected Beam Smoke Sensor (Gamewell-FCI ABD-2F)	1,953.05	81.28
<b>28 46 13 31-1592</b>			<b>Velociti® Series Modules And Pull Station</b> <small>(28 46 13 31-1575)</small>		
28 46 13 31-1593	EA		Style "B", Class "B" Addressable Monitor Module (Gamewell-FCI AMM-2F)	138.40	27.10
28 46 13 31-1594	EA		Dual Style "B", Class "B" Addressable Monitor Module (Gamewell-FCI AMM-2IF)	222.62	27.10

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1595	EA		Style "D", Class "A" Addressable Monitor Module (Gamewell-FCI AMM-4F).....	151.66	27.10
28 46 13 31-1596	EA		Subloop Style "D", Class "A" Addressable Monitor Module (Gamewell-FCI AMM-4SF) .....	213.33	27.10
28 46 13 31-1597	EA		Addressable Output Relay Control Module (Gamewell-FCI AOM-2RF) .....	178.19	27.10
28 46 13 31-1598	EA		Addressable Output Supervised Module (Gamewell-FCI AOM-2SF) .....	184.82	27.10
28 46 13 31-1599	EA		Addressable Double Action Station, With AMM-2SF Mini-Mod (Gamewell-FCI MS-7AF) .....	258.91	54.18
28 46 13 31-1600	EA		Addressable Single Action Pull Station (Gamewell-FCI MS-7ASF) .....	190.79	27.10
28 46 13 31-1601	EA		Telephone Filters (Gamewell-FCI AOM-TEL-FL).....	30.73	5.42
<b>28 46 13 31-1602</b>			<b>Components And Accessories (28 46 13 31-1575)</b>		
28 46 13 31-1603	EA		Remote LED Annunciator Alarm (Gamewell-FCI RA400Z) .....	76.51	21.67
			Note: Mounts on single gang box.		
28 46 13 31-1604	EA		Up To 2' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-1.5).....	38.25	10.84
28 46 13 31-1605	EA		>2' To 4' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-3).....	40.90	10.84
28 46 13 31-1606	EA		>4' To 8' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-5).....	48.98	13.54
28 46 13 31-1607	EA		>8' To 10' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-10).....	78.93	16.26
28 46 13 31-1608	EA		Remote Test Station With LED Alarm And Magnet Test Switch (Gamewell-FCI RTS451).....	117.62	21.67
			Note: Mounts on single gang box.		
<b>28 46 13 31-1609</b>			<b>Fixed And Rate of Rise Heat Detectors (28 46 13 31-1575)</b>		
28 46 13 31-1610	EA		135 Degree F Fixed Temperature And Rate Of Rise Heat Detector (Gamewell-FCI 5601P) .....	103.83	40.64
28 46 13 31-1611	EA		194 Degree F Fixed Temperature And Rate Of Rise Heat Detector (Gamewell-FCI 5602).....	103.83	40.64
28 46 13 31-1612	EA		135 Degree F Fixed Temperature Heat Detector (Gamewell-FCI 5603) .....	99.75	40.64
28 46 13 31-1613	EA		194 Degree F Fixed Temperature Heat Detector (Gamewell-FCI 5604) .....	99.75	40.64
<b>28 46 13 31-1614</b>			<b>NAC Expander/Power Supply (28 46 13 31-1575)</b>		
28 46 13 31-1615	EA		FireForce 8 NAC Expander/Power Supply, 12/24 Volt DC, 8 Amperes, 4 Notification Appliance Circuits, Built-in Synchronization Protocols For Gamewell, Wheelock, Gentex, Faraday, And System Sensor (Gamewell-FCI FF8).....	1,821.92	433.49
28 46 13 31-1616	EA		6A Supplementary Notification Appliance Circuit Power Supply With Sync (Gamewell-FCI GFPS-6).....	1,569.92	433.49
28 46 13 31-1617	EA		9A Supplementary Notification Appliance Circuit Power Supply With Sync (Gamewell-FCI GFPS-9).....	1,695.92	433.49
<b>28 46 13 31-1618</b>			<b>Batteries And Accessories (28 46 13 31-1532)</b>		
28 46 13 31-1619	EA		B-17R, 12 Volt DC, 17 Ampere Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2010A) .....	282.30	27.10
28 46 13 31-1620	EA		B-55R, 12 Volt DC, 55 Ampere Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2710A) .....	714.67	27.10
28 46 13 31-1621	EA		B-7R, 12 Volt DC, 7 Ampere Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2311A) .....	149.67	27.10
28 46 13 31-1622	EA		BC-1, Battery Cabinet, Beige (Gamewell-FCI 1100-0653) .....	348.44	54.18
28 46 13 31-1623	EA		BC-1R, Battery Cabinet, Red (Gamewell-FCI 1100-0654) .....	348.44	54.18
28 46 13 31-1624	EA		12" High x 12" Wide x 24" Length Vented Steel Battery Cabinet With Hinged Key Lockable Cover (Gamewell-FCI GW70970).....	309.98	54.18
<b>28 46 13 31-1625</b>			<b>Electronic Door Holders (28 46 13 31-1532)</b>		
			Note: Rixson products.		
28 46 13 31-1626	EA		XK-996, Door Holder Extender Kit, 1-1/2" Spacer (Gamewell-FCI 140-30000).....	49.83	5.42
28 46 13 31-1627	EA		FM-980, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Floor Mount Door Holder (Gamewell-FCI 140-90000) .....	399.59	40.64
28 46 13 31-1628	EA		FM-981, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Floor Mount Holder For Double Doors (Gamewell-FCI 140-90001) .....	544.16	40.64
28 46 13 31-1629	EA		FM-990, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Low Profile Mount Door Holder (Gamewell-FCI 140-90002).....	255.55	40.64
28 46 13 31-1630	EA		FM-996, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Surface Mount Door Holder (Gamewell-FCI 140-90003).....	243.62	40.64
28 46 13 31-1631	EA		FM-997, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Recessed Mount Door Holder (Gamewell-FCI 140-90004).....	255.55	40.64
28 46 13 31-1632	EA		FM-998, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Recessed Mount Door Holder With Concealed Wiring (Gamewell-FCI 140-90005) .....	255.02	40.64
<b>28 46 13 31-1633</b>			<b>SpectrAlert® Advance Wall Mount 2-Wire Horn/Strobes (28 46 13 31-1532)</b>		
			See CSI section 28 46 13 31-1821 for devices.		
<b>28 46 13 31-1634</b>			<b>SpectrAlert® Advance Accessories (28 46 13 31-1532)</b>		
			See CSI section 28 46 13 31-1821 for backboxes, 28 46 13 31-2081 for backboxes.		
<b>28 46 13 31-1635</b>			<b>Fire Alarm Programming (28 46 13 31-1532)</b>		
			Note: For device replacement projects only. Tasks not to be used on projects where a fire alarm panel is replaced.		
28 46 13 31-1636	EA		Program And Test Up To 5 Fire Alarm Devices.....	500.00	
28 46 13 31-1637	EA		Program And Test >5 To 20 Fire Alarm Devices .....	1,000.00	
28 46 13 31-1638	EA		Program And Test >20 To 50 Fire Alarm Devices .....	2,000.00	
<b>28 46 13 31-1639</b>			<b>Fire-Lite Fire Alarm (28 46 13 31-0981)</b>		
<b>28 46 13 31-1640</b>			<b>Addressable Control Panels (28 46 13 31-1639)</b>		
28 46 13 31-1641	EA		25 Point Intelligent Control (Fire Lite MS-25).....	1,847.18	541.87
28 46 13 31-1642	EA		50 Point Intelligent Control (Fire Lite MS-9050UD).....	2,032.92	541.87
28 46 13 31-1643	EA		198-Point Intelligent Control (Fire Lite MS-9200UDLS) .....	2,861.08	541.87
28 46 13 31-1644	EA		636-Point Intelligent Control (Fire Lite MS-9600LS) .....	4,217.51	541.87
28 46 13 31-1645	EA		636-Point Intelligent Control (Fire Lite MS-9600UDLS) .....	4,040.29	541.87
28 46 13 31-1646	EA		IP And 4G Cellur Fire Alarm Communicator For Fire Alarm Control Panel (Fire-Lite IPGSM-4G).....	548.61	
<b>28 46 13 31-1647</b>			<b>Silent Knight Fire Alarm (28 46 13 31-0981)</b>		
28 46 13 31-1648	EA		Addressable Fire Alarm Control Panel With Integrated Emergency Communication System (Silent Knight 5820XL-EVS) .....	4,697.44	270.94
28 46 13 31-1649	EA		Supervised Remote Command Unit (Silent Knight EVS-RCU).....	1,941.60	162.56

**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1650	EA		50 Watt Amplifier (Silent Knight EVS-50W)	1,362.38	108.38
28 46 13 31-1651	EA		125 Watt Amplifier (Silent Knight EVS-125W)	2,439.40	108.38
28 46 13 31-1652	EA		Voice Evacuation System (Silent Knight SKE-450)	2,332.65	108.38
28 46 13 31-1653	EA		Fire Fighters Telephone (Silent Knight SK-FFT)	1,932.34	108.38
28 46 13 31-1654	EA		Multi-Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5820XL)	1,970.18	162.56
28 46 13 31-1655	EA		Single Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5808)	1,467.22	108.38
28 46 13 31-1656	EA		Single Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5700)	1,117.54	108.38
28 46 13 31-1657	EA		Hybrid Conventional Fire Alarm Control/Communicator System (Silent Knight 5600)	961.29	108.38
28 46 13 31-1658	EA		Combination Fire And CO Detector (Silent Knight SK-FIRE-CO)	305.76	40.64
28 46 13 31-1659	EA		Photoelectric Detector (Silent Knight SK-PHOTO)	171.64	40.64
28 46 13 31-1660	EA		Photoelectric Thermal Detector (Silent Knight SK-PHOTO-T)	180.98	40.64
28 46 13 31-1661	EA		Ionization Smoke Detector (Silent Knight SK-ION)	182.03	40.64
28 46 13 31-1662	EA		135 Degree Fixed Temperature Detector (Silent Knight SK-HEAT)	157.90	40.64
28 46 13 31-1663	EA		190 Degree Fixed Temperature Detector (Silent Knight SK-HEAT-HT)	166.43	40.64
28 46 13 31-1664	EA		135 Degree Fixed Temperature Rate-of-Rise Detector (Silent Knight SK-HEAT-ROR)	169.57	40.64
28 46 13 31-1665	EA		Sounder Base (Silent Knight B200SR)	103.93	13.54
28 46 13 31-1666	EA		Intelligent Sounder Base (Silent Knight B200S)	110.17	13.54
28 46 13 31-1667	EA		Isolator Base (Silent Knight B224BI)	86.31	13.54
28 46 13 31-1668	EA		Relay Base (Silent Knight B224RB)	87.33	13.54
28 46 13 31-1669	EA		Multi-Criteria Photoelectric Detector With Thermal Sensing (Silent Knight SK-ACCLIMATE)	185.29	40.64
28 46 13 31-1670	EA		Photoelectric Duct Detector (Silent Knight SK-DUCT)	301.85	40.64
28 46 13 31-1671	EA		Single-Ended Reflected Beam Smoke Detector (Silent Knight SK-BEAM)	1,080.13	40.64
28 46 13 31-1672	EA		Single-Ended Reflected Beam Smoke Detector (Silent Knight SK-BEAM-T)	1,234.53	40.64
28 46 13 31-1673	EA		Dual Monitor Module (Silent Knight SK-MONITOR-2)	221.29	40.64
28 46 13 31-1674	EA		Supervised Control Module (Silent Knight SK-CONTROL)	183.28	40.64
28 46 13 31-1675	EA		Six Circuit Supervised Control Module (Silent Knight SK-CONTROL-6)	629.18	54.18
28 46 13 31-1676	EA		Relay Control Module (Silent Knight SK-RELAY)	158.19	27.10
28 46 13 31-1677	EA		Six Relay Control Module (Silent Knight SK-RELAY-6)	607.95	54.18
28 46 13 31-1678	EA		Zone Interface Module (Silent Knight SK-ZONE)	187.28	40.64
28 46 13 31-1679	EA		Six Zone Interface Module (Silent Knight SK-ZONE-6)	729.47	54.18
28 46 13 31-1680	EA		Monitor Module (Silent Knight SK-MONITOR)	160.20	40.64
28 46 13 31-1681	EA		10 Input Monitor Module (Silent Knight SK-MON-10)	706.34	54.18
28 46 13 31-1682	EA		Monitor Module (Silent Knight SK-MINIMON)	148.80	40.64
28 46 13 31-1683	EA		Fault Isolator Module (Silent Knight SK-ISO)	166.43	40.64
28 46 13 31-1684	EA		Addressable Heat Sensor (Silent Knight SD505-AHS)	163.33	40.64
28 46 13 31-1685	EA		Analog Ionization Smoke Detector (Silent Knight SD505-AIS)	178.04	40.64
28 46 13 31-1686	EA		Addressable Photoelectric Smoke Detector (Silent Knight SD505-APS)	166.43	40.64
28 46 13 31-1687	EA		6" Addressable Sounder Base (Silent Knight SD505-6SB)	127.85	13.54
28 46 13 31-1688	EA		6" Addressable Relay Base (Silent Knight SD505-6RB)	120.56	13.54
28 46 13 31-1689	EA		6" Isolator Base (Silent Knight SD505-6IB)	109.15	13.54
28 46 13 31-1690	EA		Addressable Input Module (Silent Knight SD500-AIM)	165.41	40.64
28 46 13 31-1691	EA		Addressable Notification Module (Silent Knight SD500-ANM)	205.28	40.64
28 46 13 31-1692	EA		Addressable Relay Module (Silent Knight SD500-ARM)	183.28	40.64
28 46 13 31-1693	EA		SLC Annunciator Driver Module (Silent Knight SD500-LED)	723.86	81.28
28 46 13 31-1694	EA		Loop Isolation Module (Silent Knight SD500-LIM)	172.66	40.64
28 46 13 31-1695	EA		Addressable Mini Input Module (Silent Knight SD500-MIM)	136.23	27.10
28 46 13 31-1696	EA		Single Action Addressable Pull Station (Silent Knight SD500-PS)	176.19	27.10
28 46 13 31-1697	EA		Dual Action Addressable Pull Station (Silent Knight SD500-PSDA)	168.18	27.10
28 46 13 31-1698	EA		Back Box (Silent Knight SK-PSSMBB)	76.84	21.67
28 46 13 31-1699	EA		Smoke Detector Module (Silent Knight SD500-SDM)	193.28	40.64
28 46 13 31-1700	EA		Addressable Smoke 4" Detector Base (Silent Knight SD505-4AB)	46.09	13.54
28 46 13 31-1701	EA		Addressable Smoke 6" Detector Base (Silent Knight SD505-6AB)	46.09	13.54
28 46 13 31-1702	EA		Addressable Duct Housing (Silent Knight SD505-DUCT)	315.53	40.64
28 46 13 31-1703	EA		Addressable Duct Housing With Built-In Relay (Silent Knight SD505-DUCTR)	411.17	40.64
28 46 13 31-1704	EA		Addressable Duct Detector Test Switch (Silent Knight SD505-DTS)	170.59	40.64
28 46 13 31-1705	EA		Intelligent Power Module (Silent Knight 5895XL)	1,044.24	108.38
28 46 13 31-1706	EA		Addressable Power Supply (Silent Knight 5496)	727.72	81.28
28 46 13 31-1707	EA		Relay Interface Board (Silent Knight 5883)	278.66	27.10
28 46 13 31-1708	EA		Remote LED Annunciator (Silent Knight 5865-3)	573.23	54.18
28 46 13 31-1709	EA		Remote LED Annunciator (Silent Knight 5865-4)	650.03	54.18
28 46 13 31-1710	EA		Remote LCD Annunciator (Silent Knight SK-5860)	613.91	81.28
28 46 13 31-1711	EA		Serial/Parallel Printer Interface (Silent Knight 5824)	399.69	27.10
28 46 13 31-1712	EA		LED Input/Output Module (Silent Knight / IntelliKnight 5880)	468.97	40.64
28 46 13 31-1713	EA		Addressable Pull Station (Silent Knight SK-Pull-DA/SA)	168.18	27.10
28 46 13 31-1714	EA		Digital Fire Communicator with Cabinet (Silent Knight SK-5104)	586.90	81.28
28 46 13 31-1715	EA		Communicator (Silent Knight IPGSM-4G)	872.35	54.18
28 46 13 31-1716	EA		Ten Zone Conventional Fire Alarm Control Panel (Silent Knight SK-5208)	1,377.63	108.38
28 46 13 31-1717	EA		10 Zone Expander (Silent Knight SK-5217)	386.03	27.10
28 46 13 31-1718	EA		Remote Annunciator (Silent Knight SK-5235)	385.56	54.18
28 46 13 31-1719	EA		Status Display Module (Silent Knight 5280)	111.31	27.10
28 46 13 31-1720	EA		Serial/Parallel Module (Silent Knight 5824)	453.89	54.18
28 46 13 31-1721	EA		Four Zone Conventional Fire Alarm Control Panel (Silent Knight SK-4)	781.91	108.38
28 46 13 31-1722	EA		Four Zone Conventional Fire Alarm Control Panel (Silent Knight SK-4E)	797.34	108.38
28 46 13 31-1723	EA		Dress Panel (Silent Knight SK-DP2/4)	147.64	27.10
28 46 13 31-1724	EA		Class A Converter (Silent Knight SK-CAC4)	385.80	40.64
28 46 13 31-1725	EA		Transmitter Module (Silent Knight SK-4XTM)	203.29	40.64
28 46 13 31-1726	EA		LED Interface Module (Silent Knight SK-4XLM)	187.28	40.64
28 46 13 31-1727	EA		110 Volt AC, 3-6 Amperes, Transformer (Silent Knight SK-XRM24)	192.18	27.10
28 46 13 31-1728	EA		Remote Annunciator (Silent Knight SK-RZA4)	187.28	40.64
28 46 13 31-1729	EA		Zone Relay Module (Silent Knight SK-4XZM)	201.28	40.64
28 46 13 31-1730	EA		Two Zone Conventional Fire Alarm Control Panel (Silent Knight SK-2)	675.81	108.38
28 46 13 31-1731	EA		Remote Battery Box Accessory Cabinet (Silent Knight RBB)	168.18	27.10
28 46 13 31-1732	EA		Manual Pull Station (single action) (Silent Knight PS-SATK)	92.91	27.10
28 46 13 31-1733	EA		Manual Pull Station (dual action) (Silent Knight PS-DATK)	100.63	27.10
28 46 13 31-1734	EA		Manual Pull Station (dual action) (Silent Knight PS-DA)	98.46	27.10



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1735	EA		Dual Action Manual Pull Station, Hex Key (Silent Knight PS-DAH) .....	87.87	27.10
28 46 13 31-1736	EA		Dual Action Listed Outdoor Manual Pull Station With Black Box (Silent Knight PS-DALOB).....	197.03	32.51
28 46 13 31-1737	EA		6 Amperes, 24 Volt DC, Distributed Power Module (with cabinet) (Silent Knight SK-5495).....	683.36	81.28
28 46 13 31-1738	EA		9 Amperes, 24 Volt DC, Distributed Power Module (with cabinet) (Silent Knight SK-5499).....	768.23	81.28
28 46 13 31-1739	EA		Detector (Silent Knight IDP-PhotoR).....	243.17	40.64
28 46 13 31-1740	EA		Monitoring Module (Silent Knight IDP).....	243.31	40.64
28 46 13 31-1741	EA		Cabinet (Silent Knight SK-5207) .....	332.97	81.28
28 46 13 31-1742	EA		Innovair IDP-Product (Silent Knight Innovair IDP-Pduct) .....	480.20	27.10
28 46 13 31-1743	EA		I/O Input-Output Module (Silent Knight SK-2880).....	650.62	27.10
28 46 13 31-1744	EA		Remote Annunciator (Silent Knight RA-2000).....	1,866.66	81.28
28 46 13 31-1745	EA		Power Supply (Silent Knight 5195/96) .....	1,161.84	27.10
28 46 13 31-1746	EA		8 Zone Expander (Silent Knight SK-5210).....	906.23	27.10
28 46 13 31-1747	EA		LCD Remote Annunciator (Silent Knight SK-5230).....	366.04	54.18
28 46 13 31-1748	EA		Ionization Smoke Detector (Silent Knight SK-ION).....	182.03	40.64
28 46 13 31-1749	EA		Addressable Relay Module (Silent Knight IDP-Relay) .....	209.09	40.64
28 46 13 31-1750	EA		Telephone Line Monitor (Silent Knight SK-7150).....	130.86	27.10
28 46 13 31-1751	EA		Serial Driver Board (Silent Knight SK-2884).....	243.34	27.10
28 46 13 31-1752	EA		Smoke Detector Base (Silent Knight IDP-6AB).....	69.70	13.54
28 46 13 31-1753	EA		Mini Input Module (Silent Knight IDP-MINIMON).....	181.99	27.10
28 46 13 31-1754	EA		Status Display Module (Silent Knight SK-4180).....	667.66	27.10
28 46 13 31-1755	EA		8-Channel Digital Communicator (Silent Knight SK-1420).....	395.00	27.10
28 46 13 31-1756	EA		Serial Parallel Module (Silent Knight SK-4824).....	360.92	27.10
28 46 13 31-1757	EA		Power Supply (Silent Knight SK-5197 / SK-5198) .....	1,332.26	27.10
28 46 13 31-1758	EA		4-Zone Fire Alarm Control Panel, Complete (Silent Knight SK-5204).....	2,261.67	108.38
28 46 13 31-1759	EA		Intelligent Ionization Smoke Detector (Silent Knight IDP-ION).....	251.69	40.64
28 46 13 31-1760	EA		Intelligent Photoelectric Smoke Detector (Silent Knight IDP-Photo) .....	209.09	40.64
28 46 13 31-1761	EA		Fire Slave Communicator Dialer (Silent Knight SK-5128).....	425.78	27.10
28 46 13 31-1762	EA		Intelligent Power Module (with cabinet) (Silent Knight SK-5496).....	727.72	81.28
<b>28 46 13 31-1763 Alerton (28 46 13 31)</b>					
28 46 13 31-1764	EA		UL Listed Surge Protector In CHS-M3 Or CPU2-640 Chassis (Alerton ESD-100) .....	423.10	8.13
<b>28 46 13 31-1765 Cooper Fire Alarm (28 46 13 31)</b>					
28 46 13 31-1766	EA		Single Circuit Class A / Multiple B, 12 Or 24 Volt DC, Sync Module (Cooper DSM-12/24-R).....	150.04	27.10
28 46 13 31-1767	EA		Red Lens, 21 Joules, 24 Volt DC, Class I, Div 1, Groups C, D, NEMA 4X And 6, Strobe (Cooper EP109205-001).....	3,690.62	46.06
28 46 13 31-1768	EA		Red, 100 dB, 24 Volt DC, Class I, Div 1, Groups C, D, NEMA 4X, Multitone Horn (Cooper EP109206-002).....	4,867.03	46.06
28 46 13 31-1769	EA		Red Lens, 5 Joules, 24 Volt DC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-001).....	1,777.57	54.18
28 46 13 31-1770	EA		Clear Lens, 5 Joules, 24 Volt DC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-002).....	1,788.03	54.18
28 46 13 31-1771	EA		Amber Lens, 5 Joules, 110 Volt AC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-007).....	1,788.03	54.18
28 46 13 31-1772	EA		Red Lens, 10 Joules, 24 Volt DC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-001).....	1,325.31	54.18
28 46 13 31-1773	EA		Amber Lens, 10 Joules, 120 Volt AC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-003).....	1,325.31	54.18
28 46 13 31-1774	EA		Red Lens, 10 Joules, 120 Volt AC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-004).....	1,325.31	54.18
28 46 13 31-1775	EA		Amber Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Backstrap, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-005).....	1,788.03	54.18
28 46 13 31-1776	EA		Amber Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Pendant Mounted, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-006).....	1,788.03	54.18
28 46 13 31-1777	EA		Red Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Backstrap, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-007).....	1,788.03	54.18
28 46 13 31-1778	EA		Red Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Pendant Mounted, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-008).....	1,788.03	54.18
28 46 13 31-1779	EA		Red Lens, 15 Joules, 24 Volt DC, Wire Guard, Blackstrap, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109203-002).....	1,788.03	54.18
28 46 13 31-1780	EA		Red Lens, 21 Joules, 24 Volt DC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-001).....	2,058.60	54.18
28 46 13 31-1781	EA		Red Lens, 21 Joules, 24 Volt DC, Black Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-003).....	1,912.21	54.18
28 46 13 31-1782	EA		Amber Lens, 21 Joules, 110 Volt AC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-005).....	1,912.21	54.18
28 46 13 31-1783	EA		Red Lens, 21 Joules, 110 Volt AC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-006).....	1,912.21	54.18
<b>28 46 13 31-1784 Light Engineered Displays Message Boards (28 46 13 31)</b>					
28 46 13 31-1785	EA		Two Message Sign, "Announcement" And "Evacuate" (LED SP-2/MNS) .....	766.74	32.51
28 46 13 31-1786	EA		Four Message Sign, "Fire", "Weather", "Announcement", "E Voltuats" (LED SP-4).....	676.42	32.51
<b>28 46 13 31-1787 STI Fire Alarm (28 46 13 31)</b>					
28 46 13 31-1788	EA		Pull Station Polycarbonate Cover, Semi Flush With Horn (STI-1100) .....	134.60	16.26
			Note: Includes 9 Volt DC self contained battery.		
28 46 13 31-1789	EA		Surface Mounted, Manual Pull Station Polycarbonate Cover With Horn (STI-1130) .....	146.51	16.26
28 46 13 31-1790	EA		Flush Mounted, Manual Pull Station Polycarbonate Cover (STI-1200).....	88.25	16.26
28 46 13 31-1791	EA		Surface Mounted, Horn Strobe Polycarbonate Cover (STI-1210D).....	88.97	16.26
			Note: For surface mounted horn strobes.		
28 46 13 31-1792	EA		Flush Mounted, Horn Strobe Polycarbonate Cover (STI-1210E).....	79.59	16.26
28 46 13 31-1793	EA		Strobe Damage Stopper And Open Backbox With Conduit Knockout (STI-1221D) .....	88.97	16.26
			Note: For surface mounted strobe.		
28 46 13 31-1794	EA		Strobe Damage Stopper And Open Backbox, Semi Flush (STI-1221E).....	72.55	16.26

**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

28 46 13 31-1795	EA	NEMA 4X Rated Polycarbonate Dome Cover (STI-1229).....	164.54	16.26
28 46 13 31-1796	EA	Surface Mounted, Manual Pull Station Polycarbonate Cover (STI-1230) ..... Note: For surface mounted pull stations.	111.15	16.26
28 46 13 31-1797	EA	Backplate For Polycarbonate Cover (STI-1280).....	55.31	16.26
28 46 13 31-1798	EA	Conduit Gasket For Polycarbonate Cover (STI-3003).....	41.17	16.26
28 46 13 31-1799	EA	Conduit Spacer For Surface Mounted Polycarbonate Cover (STI-3100).....	56.10	16.26
28 46 13 31-1800	EA	Weather Resistant, Surface Mounted, Manual Pull Station Polycarbonate Cover (STI-3150).....	123.78	16.26
28 46 13 31-1801	EA	8.5" x 6.5" x 4.6", Thumb Lock, Lockable Enclosure (STI-7511A).....	103.22	16.26
28 46 13 31-1802	EA	Flush Mounted, Smoke Detector Polycarbonate Cover (STI-8100).....	77.24	16.26
28 46 13 31-1803	EA	Flush Mounted, Low Profile, Smoke Detector Steel Wire Cover (STI-9601).....	73.27	16.26
28 46 13 31-1804	EA	Surface Mounted, Low Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9602).....	70.93	16.26
28 46 13 31-1805	EA	Flush Mounted, Mini Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9604).....	73.27	16.26
28 46 13 31-1806	EA	Surface Mounted, Mini Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9605).....	70.93	16.26
28 46 13 31-1807	EA	Flush Mounted, High Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9609).....	73.27	16.26
28 46 13 31-1808	EA	Surface Mounted, High Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9610).....	70.93	16.26
28 46 13 31-1809	EA	Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9625).....	135.32	16.26
28 46 13 31-1810	EA	White, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9705).....	66.20	16.26
28 46 13 31-1811	EA	Red, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9705-R).....	88.72	16.26
28 46 13 31-1812	EA	Flush Mounted, Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9706).....	98.53	16.26
28 46 13 31-1813	EA	Surface Mounted, Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9707).....	98.53	16.26
28 46 13 31-1814	EA	White, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9708).....	72.55	16.26
28 46 13 31-1815	EA	Red, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9708-R).....	72.55	16.26
28 46 13 31-1816	EA	White, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9711).....	66.20	16.26
28 46 13 31-1817	EA	Flush Mounted, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9713).....	72.55	16.26
28 46 13 31-1818	EA	White, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9714).....	72.55	16.26
28 46 13 31-1819	EA	Yellow, "High Threat", Push Button Station (STI SS-2201).....	106.12	8.13
28 46 13 31-1820	EA	Gasket Kit For STI Covers (STI SUB-121).....	44.68	

**28 46 13 31-1821 System Sensor Fire Alarm (28 46 13 31)****28 46 13 31-1822 Smoke Detectors (28 46 13 31-1821)**

28 46 13 31-1823	EA	Beam Detector Heater Kit (System Sensor BEAMHK).....	45.52	5.42
28 46 13 31-1824	EA	Reflectors, Beam Detector Heater Kit (System Sensor BEAMHKR)..... Note: Four used with long range kit.	184.64	5.42
28 46 13 31-1825	EA	Projected Beam Smoke Detector Long Range Kit (System Sensor BEAMLRK).....	243.99	54.18
28 46 13 31-1826	EA	Wall Or Ceiling Mounted, Projected Beam Smoke Detector Multi-Mount Kit (System Sensor BEAMMMK).....	184.37	54.18
28 46 13 31-1827	EA	Projected Beam Smoke Detector Surface Mounted Kit (System Sensor BEAMSMK).....	153.97	54.18
28 46 13 31-1828	EA	Two Wire, Photoelectric Smoke Detector (System Sensor 2W-B).....	137.14	40.64
28 46 13 31-1829	EA	Two Wire, Photoelectric Smoke Detector With Thermal Sensor (System Sensor 2WT-B).....	137.98	40.64
28 46 13 31-1830	EA	Two Wire, Photoelectric Smoke Detector With Thermal Sensor And Built In Sounder (System Sensor 2WTA-B).....	143.16	40.64
28 46 13 31-1831	EA	Four Wire, Photoelectric Smoke Detector (System Sensor 4W-B).....	139.08	40.64
28 46 13 31-1832	EA	Four Wire, Photoelectric Smoke Detector With Thermal Sensor, 12/24 Volt DC (System Sensor 4WT-B).....	145.77	40.64
28 46 13 31-1833	EA	Four Wire, Photoelectric Smoke Detector With Thermal Sensor And Built In Sounder (System Sensor 4WTA-B).....	146.17	40.64
28 46 13 31-1834	EA	Four Wire, Photoelectric Smoke Detector With Isolated Thermal Sensor, Built In Sounder, Form C Relay (System Sensor 4WITAR-B).....	222.45	40.64
28 46 13 31-1835	EA	Photoelectric, Low-Profile, Smoke Detector Head (System Sensor 2151).....	129.99	27.10
28 46 13 31-1836	EA	Photoelectric With Thermal Sensor, Low-Profile, Smoke Detector Head (System Sensor 2151T)..... Note: Requires B100 series base.	148.29	27.10
28 46 13 31-1837	EA	Heavy Duty Multi-Mount Kit (System Sensor 6500-MMK).....	215.71	13.54
28 46 13 31-1838	EA	Surface-Mount Kit For Use With Beam1224 And FSB-200 When Using 6500-MMK Heavy Duty Multi-Mount Kit (System Sensor 6500-SMK).....	77.18	13.54

**28 46 13 31-1839 Duct Smoke Detectors (28 46 13 31-1821)**

28 46 13 31-1840	EA	Two Wire Conventional Photoelectric Duct Detector (Includes 2151 Detector) (System Sensor D2).....	285.48	40.64
28 46 13 31-1841	EA	Four Wire Conventional Photoelectric Duct Detector (Includes 2D51 Detector) (System Sensor D4120).....	283.14	40.64
28 46 13 31-1842	EA	Watertight, Four Wire Conventional Photoelectric Duct Detector (Includes 2D51 Detector) (System Sensor D4120W).....	368.80	46.06
28 46 13 31-1843	EA	System Only, Four Wire Conventional Photoelectric Duct Detector (System Sensor D4S).....	186.67	27.10
28 46 13 31-1844	EA	Duct Accessory Coil (Required On DNR If A Remote Test Station Is Used) (System Sensor DCOIL).....	50.94	8.13
28 46 13 31-1845	EA	Intelligent, Non-Relay, Duct Smoke Detector Housing (System Sensor DNR).....	159.48	21.67
28 46 13 31-1846	EA	Watertight, Intelligent, Non-Relay, Duct Smoke Detector Housing (System Sensor DNRW).....	256.04	27.10
28 46 13 31-1847	EA	1' Steel Sampling Tube (System Sensor DST1).....	31.72	10.84
28 46 13 31-1848	EA	1.5' Steel Sampling Tube (System Sensor DST1.5).....	34.37	10.84
28 46 13 31-1849	EA	3' Steel Sampling Tube (System Sensor DST3).....	38.39	10.84
28 46 13 31-1850	EA	5' Steel Sampling Tube (System Sensor DST5).....	44.72	13.54
28 46 13 31-1851	EA	10' Steel Sampling Tube (System Sensor DST10).....	71.40	16.26
28 46 13 31-1852	EA	1', Steel, Exhaust Tube Duct (System Sensor ETX).....	35.47	10.84
28 46 13 31-1853	EA	Remote Test Station For Duct Smoke Detector (System Sensor RTS151).....	76.98	13.54
28 46 13 31-1854	EA	Detector Installation/Removal Tool Kit For 700 Series Detectors (System Sensor XR2).....	156.27	
28 46 13 31-1855	EA	Detector Installation/Removal Tool Kit For 800 And 355 Series Detectors (System Sensor XR2B).....	167.96	

**28 46 13 31-1856 Heat Detectors (28 46 13 31-1821)**

28 46 13 31-1857	EA	Single Circuit, 135 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5601P).....	99.33	40.64
28 46 13 31-1858	EA	Single Circuit, 194 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5602).....	99.75	40.64
28 46 13 31-1859	EA	Dual Circuit, 135 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5621).....	113.62	40.64
28 46 13 31-1860	EA	Dual Circuit, 194 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5622).....	113.62	40.64

**28 46 13 31-1861 Horns (28 46 13 31-1821)**

28 46 13 31-1862	EA	Red, Mini Horn (System Sensor MHR).....	106.03	40.64
28 46 13 31-1863	EA	White, Mini Horn (System Sensor MHW).....	106.03	40.64
28 46 13 31-1864	EA	White, 12/24 Volt DC, Wall Mounted Horn Only (System Sensor HWL).....	107.23	40.64

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1865	EA		Red, Outdoor, Wall Mounted Replacement Horn (System Sensor HRK-R).....	132.88	46.06
28 46 13 31-1866	EA		Red, Interior, Wall Mounted, Horn (System Sensor HRL).....	107.23	40.64
28 46 13 31-1867	EA		Red, Outdoor, Wall Mounted, Horn (System Sensor HRK).....	137.14	40.64
<b>28 46 13 31-1868</b>			<b>Wall Mounted Horns/Strobes</b> <small>(28 46 13 31-1821)</small>		
28 46 13 31-1869	EA		Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RL).....	139.73	40.64
28 46 13 31-1870	EA		Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RH).....	188.46	40.64
28 46 13 31-1871	EA		Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK).....	201.23	46.06
28 46 13 31-1872	EA		Plain, Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK-P).....	196.95	46.06
28 46 13 31-1873	EA		Outdoor Backbox, Red, 120 Volt AC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK-120).....	205.32	46.06
28 46 13 31-1874	EA		Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK).....	200.65	46.06
28 46 13 31-1875	EA		Plain, Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK-P).....	191.49	46.06
28 46 13 31-1876	EA		Outdoor, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK-R).....	166.82	40.64
28 46 13 31-1877	EA		Plain, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RL-P).....	137.01	40.64
28 46 13 31-1878	EA		White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WL).....	139.73	40.64
28 46 13 31-1879	EA		White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WH).....	189.77	40.64
28 46 13 31-1880	EA		Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WHK).....	195.39	46.06
28 46 13 31-1881	EA		Plain, Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WHK-P).....	196.95	46.06
28 46 13 31-1882	EA		Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WH-P).....	188.46	40.64
28 46 13 31-1883	EA		Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WK).....	206.49	46.06
28 46 13 31-1884	EA		Plain, Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WK-P).....	191.49	46.06
28 46 13 31-1885	EA		Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WL-P).....	136.42	40.64
28 46 13 31-1886	EA		Red, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RL).....	164.28	40.64
28 46 13 31-1887	EA		Red, Four Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P4RH).....	168.08	40.64
28 46 13 31-1888	EA		Outdoor Backbox, Red, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RK).....	193.53	46.06
28 46 13 31-1889	EA		Outdoor, Red, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RK-R).....	187.59	46.06
28 46 13 31-1890	EA		White, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4WL).....	164.28	40.64
28 46 13 31-1891	EA		Outdoor Backbox, White, Four Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor PC4WHK).....	238.52	46.06
28 46 13 31-1892	EA		Outdoor Backbox, White, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4WK).....	197.34	46.06
<b>28 46 13 31-1893</b>			<b>Ceiling Mounted Horns/Strobes</b> <small>(28 46 13 31-1821)</small>		
28 46 13 31-1894	EA		Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RL).....	141.68	40.64
28 46 13 31-1895	EA		Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RH).....	191.08	40.64
28 46 13 31-1896	EA		Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RHK).....	195.39	46.06
28 46 13 31-1897	EA		Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RK).....	190.32	46.06
28 46 13 31-1898	EA		Plain, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2R-P).....	181.93	40.64
28 46 13 31-1899	EA		White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WL).....	141.68	40.64
28 46 13 31-1900	EA		White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WH).....	191.08	40.64
28 46 13 31-1901	EA		Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WHK).....	195.39	46.06
28 46 13 31-1902	EA		Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WH-P).....	191.08	40.64
28 46 13 31-1903	EA		Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WK).....	190.32	46.06
28 46 13 31-1904	EA		Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2W-P).....	180.62	40.64
28 46 13 31-1905	EA		Red, Ceiling Mounted, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Horn/Strobe (System Sensor PC4RL).....	165.26	40.64
28 46 13 31-1906	EA		Red, Ceiling Mounted, Four Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Horn/Strobe (System Sensor PC4RH).....	168.08	40.64
28 46 13 31-1907	EA		White, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC4WL).....	165.26	40.64
<b>28 46 13 31-1908</b>			<b>Wall Mounted Strobes</b> <small>(28 46 13 31-1821)</small>		

**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

28 46 13 31-1909	EA	White Strobe Expander Plate Backbox Skirt (System Sensor SEP-BBSW) .....	62.09	13.54
28 46 13 31-1910	EA	White Strobe Expander Plate With Standard Candela (System Sensor SEP-SW) .....	114.59	13.54
28 46 13 31-1911	EA	Red, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRL) .....	127.85	40.64
28 46 13 31-1912	EA	Red, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRH) .....	145.74	40.64
28 46 13 31-1913	EA	Red, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK) .....	175.49	46.06
28 46 13 31-1914	EA	Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK) .....	173.77	46.06
28 46 13 31-1915	EA	Red, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK-P) .....	177.46	46.06
28 46 13 31-1916	EA	Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK-R) .....	158.37	46.06
28 46 13 31-1917	EA	Red, Plain, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRL-P) .....	126.87	40.64
28 46 13 31-1918	EA	White, 12/24 Volt DC, Selectable (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SWL) .....	127.46	40.64
28 46 13 31-1919	EA	White, Amber Lens, 12/24 Volt DC, Selectable (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SWL-ALERT) .....	136.62	40.64
28 46 13 31-1920	EA	White, Clear Lens, 12/24 Volt DC, Selectable (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SWL-CLR-ALERT) .....	171.47	40.64
28 46 13 31-1921	EA	White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH) .....	179.31	40.64
28 46 13 31-1922	EA	White, Amber Lens, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH-ALERT) .....	178.01	40.64
28 46 13 31-1923	EA	White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH-P) .....	178.01	40.64
28 46 13 31-1924	EA	Red, Plain, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK-P) .....	179.80	46.06
28 46 13 31-1925	EA	White, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWHK) .....	178.05	46.06
28 46 13 31-1926	EA	White, Plain, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWHK-P) .....	179.41	46.06
28 46 13 31-1927	EA	Red, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK-R) .....	192.77	46.06
28 46 13 31-1928	EA	White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Strobe (System Sensor SWK) .....	176.49	46.06
28 46 13 31-1929	EA	White, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Strobe (System Sensor SWK-P) .....	177.27	46.06
28 46 13 31-1930	EA	White, Plain, 12/24 Volt DC, Selectable (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SWL-P) .....	126.68	40.64
28 46 13 31-1931	EA	Amber, Wall Strobe Lens Attachment (System Sensor LENS-A) .....	21.56	5.42
28 46 13 31-1932	EA	Blue, Wall Strobe Lens Attachment (System Sensor LENS-B) .....	21.56	5.42
28 46 13 31-1933	EA	Green, Wall Strobe Lens Attachment (System Sensor LENS-G) .....	21.56	5.42
28 46 13 31-1934	EA	Red, Wall Strobe Lens Attachment (System Sensor LENS-R) .....	21.56	5.42

**28 46 13 31-1935 Ceiling Mounted Strobes** (28 46 13 31-1821)

28 46 13 31-1936	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCRL) .....	129.99	40.64
28 46 13 31-1937	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCRH) .....	147.46	40.64
28 46 13 31-1938	EA	Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCRHK) .....	175.49	46.06
28 46 13 31-1939	EA	Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCRK) .....	175.49	46.06
28 46 13 31-1940	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCWL) .....	129.99	40.64
28 46 13 31-1941	EA	Clear Lens, White, Two Wire, 12/24 Volt DC, Standard Candela, Ceiling Mounted Strobe (System Sensor SCWL-CLR-ALERT) .....	137.79	40.64
28 46 13 31-1942	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCWH) .....	181.93	40.64
28 46 13 31-1943	EA	Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCWHK) .....	178.05	46.06
28 46 13 31-1944	EA	Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCWK) .....	176.49	46.06
28 46 13 31-1945	EA	Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCW-P) .....	162.32	40.64
28 46 13 31-1946	EA	Blue, Ceiling Strobe Lens Attachment (System Sensor LENS-BC) .....	21.56	5.42
28 46 13 31-1947	EA	Red, Ceiling Strobe Lens Attachment (System Sensor LENS-RC) .....	21.56	5.42
28 46 13 31-1948	EA	Green, Ceiling Strobe Lens Attachment (System Sensor LENS-GC) .....	21.56	5.42
28 46 13 31-1949	EA	Amber, Ceiling Strobe Lens Attachment (System Sensor LENS-AC) .....	21.56	5.42

**28 46 13 31-1950 Wall Mounted Speakers** (28 46 13 31-1821)

28 46 13 31-1951	EA	24 Volt DC, 4 Field Selectable Sound Pulse Patterns, Directional Sound Speaker With Voice And Integral Audio Amplifier (System Sensor PF24V) .....	308.08	40.64
28 46 13 31-1952	EA	Red, Wall Mounted Speaker (System Sensor SPRL) .....	112.07	40.64
28 46 13 31-1953	EA	Red, Outdoor, Wall Mounted Speaker (System Sensor SPRK) .....	168.96	40.64
28 46 13 31-1954	EA	Red, Outdoor, Wall Mounted Speaker (System Sensor SPRK-R) .....	145.90	46.06
28 46 13 31-1955	EA	Red, High dB, Wall Mounted Speaker (System Sensor SPRV) .....	124.25	40.64
28 46 13 31-1956	EA	White, Wall Mounted Speaker (System Sensor SPWL) .....	112.07	40.64
28 46 13 31-1957	EA	White, Outdoor, Wall Mounted Speaker (System Sensor SPWK) .....	179.02	46.06
28 46 13 31-1958	EA	White, High dB, Wall Mounted Speaker (System Sensor SPWV) .....	124.07	40.64

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>28 46 13 31-1959 Ceiling Mounted Speakers (28 46 13 31-1821)</b>					
28 46 13 31-1960	EA		Red, Ceiling Mounted Speaker (System Sensor SPCRL) .....	109.92	40.64
28 46 13 31-1961	EA		Outdoor, Ceiling Mounted Speaker (System Sensor SPCRK).....	159.06	40.64
28 46 13 31-1962	EA		Red, High dB, Ceiling Mounted Speaker (System Sensor SPCRV) .....	124.25	40.64
28 46 13 31-1963	EA		White, Ceiling Mounted Speaker (System Sensor SPCWL) .....	111.68	40.64
28 46 13 31-1964	EA		White, High dB, Ceiling Mounted Speaker (System Sensor SPCWV).....	146.64	40.64
28 46 13 31-1965	EA		White, Outdoor, Ceiling Mounted Speaker (System Sensor SPCWK).....	179.80	46.06
<b>28 46 13 31-1966 Wall Mounted Speakers/Strobes (28 46 13 31-1821)</b>					
28 46 13 31-1967	EA		White Speaker Strobe Expander Plate With Standard Candela (System Sensor SEP-SPSWL).....	113.22	13.54
28 46 13 31-1968	EA		White Speaker Strobe Expander Plate Backbox Skirt (System Sensor SPSEP-BBSWL) .....	59.76	13.54
28 46 13 31-1969	EA		Red, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRL) .....	170.91	40.64
28 46 13 31-1970	EA		Red, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRH).....	178.40	40.64
28 46 13 31-1971	EA		Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK).....	233.07	46.06
28 46 13 31-1972	EA		Red, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK-P) .....	239.81	46.06
28 46 13 31-1973	EA		Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK-R).....	207.47	46.06
28 46 13 31-1974	EA		Red, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRL-P).....	169.16	40.64
28 46 13 31-1975	EA		Red, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRV) .....	173.24	40.64
28 46 13 31-1976	EA		White, Amber Lens, Wall Mounted, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWL-ALERT).....	171.69	40.64
28 46 13 31-1977	EA		White, Clear Lens, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK-CLR-ALERT) .....	242.54	46.06
28 46 13 31-1978	EA		White, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWL) .....	170.91	40.64
28 46 13 31-1979	EA		White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWH).....	228.98	40.64
28 46 13 31-1980	EA		White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWH-P) .....	228.98	40.64
28 46 13 31-1981	EA		White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK).....	250.33	46.06
28 46 13 31-1982	EA		White, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK-P).....	239.03	46.06
28 46 13 31-1983	EA		White, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWL-P).....	168.38	40.64
28 46 13 31-1984	EA		White, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWV).....	221.14	40.64
28 46 13 31-1985	EA		White, Plain, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWV-P).....	221.14	40.64
<b>28 46 13 31-1986 Ceiling Mounted Speakers/Strobes (28 46 13 31-1821)</b>					
28 46 13 31-1987	EA		Red, Selectable Candela ( 15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCRL).....	160.39	40.64
28 46 13 31-1988	EA		Red, Selectable Candela ( 135, 150, 177, 185) Candela, High-Candela, Ceiling Mounted Speaker/Strobe (System Sensor SPSCRH).....	180.12	40.64
28 46 13 31-1989	EA		Red, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115), Ceiling Mounted Speaker/Strobe (System Sensor SPSCRV) .....	173.24	40.64
28 46 13 31-1990	EA		White, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWL).....	160.39	40.64
28 46 13 31-1991	EA		White, Clear Lens, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWL-CLR-ALERT).....	170.13	40.64
28 46 13 31-1992	EA		White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWH) .....	228.98	40.64
28 46 13 31-1993	EA		White, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWHK).....	251.50	46.06
28 46 13 31-1994	EA		White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWH-P).....	228.98	40.64
28 46 13 31-1995	EA		White, Outdoor, Clear Lens, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWK-CLR-ALERT).....	242.93	46.06
28 46 13 31-1996	EA		White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWK) .....	250.33	46.06
28 46 13 31-1997	EA		White, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWL-P) .....	160.39	40.64
28 46 13 31-1998	EA		White, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWV).....	221.14	40.64
28 46 13 31-1999	EA		White, High-Candela/High dB, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWVH).....	228.98	40.64
28 46 13 31-2000	EA		White, Plain, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWV-P).....	221.14	40.64
28 46 13 31-2001	EA		High-Candela/High dB, Ceiling Mounted Speaker/Strobe (System Sensor SPSCRVH).....	228.61	40.64
<b>28 46 13 31-2002 Electric Alarm Bells (28 46 13 31-1821)</b>					
28 46 13 31-2003	EA		6" 24 Volt DC Alarm Bell (System Sensor SSM24-6).....	134.86	40.64
28 46 13 31-2004	EA		8" 24 Volt DC Alarm Bell (System Sensor SSM24-8).....	144.41	40.64
28 46 13 31-2005	EA		10" 24 Volt DC Alarm Bell (System Sensor SSM24-10).....	154.93	40.64
28 46 13 31-2006	EA		6" 120 Volt AC Alarm Bell (System Sensor SSV120-6).....	155.81	41.18
28 46 13 31-2007	EA		8" 120 Volt AC Alarm Bell (System Sensor SSV120-8).....	157.53	41.18

**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

28 46 13 31-2008	EA	10" 120 Volt AC Alarm Bell (System Sensor SSV120-10)	168.42	41.18
<b>28 46 13 31-2009</b>		<b>Device Bases</b> <small>(28 46 13 31-1821)</small>		
28 46 13 31-2010	EA	High Or Low Volume Output, Code 3 Or 4, Continuous, March Or Custom Tone, Intelligent, Addressable, Programmable Plug-In Sounder Base (System Sensor B200S)	97.44	13.54
28 46 13 31-2011	EA	Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base (System Sensor B200SR)	94.52	13.54
28 46 13 31-2012	EA	Intelligent Isolator Base (System Sensor B224BI)	78.73	13.54
28 46 13 31-2013	EA	Intelligent Relay Base (System Sensor B224RB)	79.51	13.54
28 46 13 31-2014	EA	Flangeless, Intelligent Detector Base (System Sensor B501)	51.42	13.54
<b>28 46 13 31-2015</b>		<b>Boxes, Plates And Decals</b> <small>(28 46 13 31-1821)</small>		
28 46 13 31-2016	EA	Two Wire, Flanged, 12/24 Volt DC, Low-Profile, Adapter Base (System Sensor B110LP)	48.67	13.54
28 46 13 31-2017	EA	Four Wire, Form A And C, 24 Volt DC Low-Profile, Adapter Base (System Sensor B112LP)	95.91	16.26
28 46 13 31-2018	EA	120 Volt AC, Mounting Plate, For Spectralert Advance Devices (System Sensor MP120K)	46.74	13.54
28 46 13 31-2019	EA	Red, Wall Mounted, Metal, Weatherproof Backbox (System Sensor MWBB)	67.86	13.54
28 46 13 31-2020	EA	White, Ceiling Mounted, Metal, Weatherproof Backbox (System Sensor MWBBCW)	73.47	13.54
28 46 13 31-2021	EA	White, Wall Mounted, Metal, Weatherproof Backbox (System Sensor MWBBW)	67.86	13.54
28 46 13 31-2022	EA	Red Retrofit Plate (System Sensor RFP)	32.00	8.13
28 46 13 31-2023	EA	White Retrofit Plate (System Sensor RFPW)	31.77	8.13
28 46 13 31-2024	EA	Red, Wall Mounted, Weatherproof Backbox (System Sensor SA-WBB)	58.12	13.54
28 46 13 31-2025	EA	Red, Ceiling Mounted, Weatherproof Backbox (System Sensor SA-WBBC)	64.82	13.54
28 46 13 31-2026	EA	Red, Ceiling Mounted, Surface Mounted, Backbox (System Sensor SBBCL)	47.21	13.54
28 46 13 31-2027	EA	White, Ceiling Mounted, Surface Mounted, Backbox (System Sensor SBBCLW)	47.21	13.54
28 46 13 31-2028	EA	Red, Wall Mounted, Surface Mounted, Backbox (System Sensor SBBRL)	41.52	13.54
28 46 13 31-2029	EA	Red, Wall Mounted, Surface Mounted, Backbox For Speaker (System Sensor SBBSPRL)	45.81	13.54
28 46 13 31-2030	EA	White, Wall Mounted, Surface Mounted, Backbox For Speaker (System Sensor SBBSPWL)	45.81	13.54
28 46 13 31-2031	EA	White, Wall Mounted, Surface Mounted, Backbox (System Sensor SBBWL)	41.52	13.54
28 46 13 31-2032	EA	Surface Mounted Box For Intelligent Control Or Monitor Modules (System Sensor SMB500)	48.01	13.54
28 46 13 31-2033	EA	Surface Mounted Box For 400 And 500 Series Detectors And Sounder Bases (System Sensor SMB600)	41.71	13.54
28 46 13 31-2034	EA	Red, Wall Mounted Horn/Strobe Trim Ring (System Sensor TR-HS)	15.30	5.42
28 46 13 31-2035	EA	Red Decals, Two Pack, Spectralert Advance Wall Products (System Sensor DECAL-R)	21.71	
28 46 13 31-2036	EA	Red Decals, Three Pack, Spectralert Advance Ceiling Products (System Sensor DECAL-RC)	29.91	
28 46 13 31-2037	EA	White Decals, Two Pack, Spectralert Advance Wall Products (System Sensor DECAL-W)	21.71	
28 46 13 31-2038	EA	White Decals, Three Pack, Spectralert Advance Wall Products (System Sensor DECAL-WC)	29.91	
<b>28 46 13 31-2039</b>		<b>Chimes</b> <small>(28 46 13 31-1821)</small>		
28 46 13 31-2040	EA	Red, 12/24 Volt DC, Ceiling Or Wall Mounted Chime (System Sensor CHRL)	119.80	40.64
28 46 13 31-2041	EA	White, 12/24 Volt DC, Ceiling Or Wall Mounted Chime (System Sensor CHWL)	130.77	40.64
<b>28 46 13 31-2042</b>		<b>Chime/Strobes</b> <small>(28 46 13 31-1821)</small>		
28 46 13 31-2043	EA	Red, 15, 15/75, 30, 75, 110 Multi-Candela, 24 Volt DC, Ceiling Or Wall Mounted Chime/Strobe (System Sensor CHSRL)	182.60	40.64
28 46 13 31-2044	EA	White, 15, 15/75, 30, 75, 110 Multi-Candela, 24 Volt DC, Ceiling Or Wall Mounted Chime/Strobe (System Sensor CHSWL)	182.60	40.64
<b>28 46 13 31-2045</b>		<b>Carbon Monoxide Detectors</b> <small>(28 46 13 31-1821)</small>		
28 46 13 31-2046	EA	Conventional Carbon Monoxide Detector (System Sensor CO1224)	217.10	54.18
28 46 13 31-2047	EA	Round, Sounder And Trouble Relay With Test Function, 12/24 Volt DC, Conventional Carbon Monoxide Detector (System Sensor CO1224TR)	181.04	40.64
28 46 13 31-2048	EA	CO Detector Plate For Replacing Round CO Detectors With The CO1224T (System Sensor CO-PLATE)	15.55	5.42
<b>28 46 13 31-2049</b>		<b>Switches</b> <small>(28 46 13 31-1821)</small>		
28 46 13 31-2050	EA	SPDT Switch, 4 - 20 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS10-1)	158.70	21.67
28 46 13 31-2051	EA	Two SPDT Switches, 4 - 20 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS10-2)	176.23	21.67
28 46 13 31-2052	EA	SPDT Switch, 10 - 100 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS40-1)	158.70	21.67
28 46 13 31-2053	EA	Two SPDT Switches, 10 - 100 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS40-2)	176.23	21.67
28 46 13 31-2054	EA	Outside Screw And Yoke Valve, Two SPDT, Supervisory Switch (System Sensor OSY2)	164.93	21.67
28 46 13 31-2055	EA	Post Indicator Butterfly Valve, SPDT, Supervisory Switch (System Sensor PIBV2)	154.80	21.67
<b>28 46 13 31-2056</b>		<b>Low Frequency Sounders</b> <small>(28 46 13 31-1821)</small>		
28 46 13 31-2057	EA	Red, Low Frequency Sounder (System Sensor HR-LF)	183.24	40.64
28 46 13 31-2058	EA	White, Low Frequency Sounder (System Sensor HW-LF)	183.24	40.64
<b>28 46 13 31-2059</b>		<b>Sync Modules</b> <small>(28 46 13 31-1821)</small>		
28 46 13 31-2060	EA	Red, 12/24 Volt DC, Sync Module (System Sensor MDL3R)	130.17	27.10
28 46 13 31-2061	EA	White, 12/24 Volt DC, Sync Module (System Sensor MDL3W)	128.22	27.10
<b>28 46 13 31-2062</b>		<b>Relays</b> <small>(28 46 13 31-1821)</small>		
28 46 13 31-2063	EA	Metal Enclosure, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-10E)	76.24	21.67
28 46 13 31-2064	EA	SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-10T)	49.00	13.54
28 46 13 31-2065	EA	4-Gang Relay, Metal Enclosure, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-14E)	132.32	13.54
28 46 13 31-2066	EA	4-Gang Relay, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-14T)	98.80	13.54
28 46 13 31-2067	EA	Metal Enclosure, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-20E)	81.46	21.67
28 46 13 31-2068	EA	DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-20T)	50.40	13.54
28 46 13 31-2069	EA	4-Gang Relay, Metal Enclosure, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-24E)	148.29	13.54

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2070	EA		4-Gang Relay, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-24T) .....	112.25	13.54
28 46 13 31-2071	EA		18 To 35 Volt DC, 18 To 35 Volt AC, 120 Volt AC, SPDT Multivoltage Relay (System Sensor PR-1).....	43.31	13.54
28 46 13 31-2072	EA		10 To 40 Volt DC, SPDT Multivoltage Relay (System Sensor PR-2).....	43.31	13.54
28 46 13 31-2073	EA		Redundant Power Input, 10 To 40 Volt DC, SPDT Multivoltage Relay (System Sensor PR-3) .....	43.31	13.54
<b>28 46 13 31-2074</b>			<b>Remote Annunciator (28 46 13 31-1821)</b>		
28 46 13 31-2075	EA		Remote Annunciator (System Sensor RA100Z) .....	105.83	40.64
28 46 13 31-2076	EA		Remote LED Annunciator (System Sensor RA100ZA) .....	106.63	40.64
<b>28 46 13 31-2077</b>			<b>Remote Test Station (28 46 13 31-1821)</b>		
28 46 13 31-2078	EA		Remote Test Station With Key (System Sensor RTS151KEY).....	156.49	40.64
<b>28 46 13 31-2079</b>			<b>Fire Alarm Digital Cellular Communicator (28 46 13 31)</b>		
28 46 13 31-2080	EA		Digital Cellular Communicator With Antenna And Red Enclosure (Telular Telguard TG-7FS) .....	621.16	54.18
<b>28 46 13 31-2081</b>			<b>Wheelock Fire Alarm (28 46 13 31)</b>		
<b>28 46 13 31-2082</b>			<b>Ceiling Mounted Chimes/Strobes (28 46 13 31-2081)</b>		
28 46 13 31-2083	EA		White, Round, Selectable Candela (15, 30, 75, 100 Candela), 24 Volt DC, Ceiling Mounted Chime/Strobe (Wheelock CH90-24MCC-FW) .....	234.19	40.64
<b>28 46 13 31-2084</b>			<b>Wall Mounted Chimes/Strobes (28 46 13 31-2081)</b>		
28 46 13 31-2085	EA		Red, Selectable Candela (15, 30, 75, 110 Candela), 24 Volt DC, Wall Mounted Chime/Strobe (Wheelock CH70-24MCW-FR) .....	234.19	40.64
28 46 13 31-2086	EA		White, Selectable Candela (15, 30, 75, 110 Candela), 24 Volt DC, Wall Mounted Chime/Strobe (Wheelock CH70-24MCW-FW).....	234.19	40.64
<b>28 46 13 31-2087</b>			<b>Ceiling Mounted Horns/Strobes (28 46 13 31-2081)</b>		
28 46 13 31-2088	EA		Red, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Horn/Strobe (Wheelock HSRC).....	151.59	40.64
28 46 13 31-2089	EA		White, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Horn/Strobe (Wheelock HSWC) .....	152.59	40.64
<b>28 46 13 31-2090</b>			<b>Wall Mounted Horns/Strobes (28 46 13 31-2081)</b>		
28 46 13 31-2091	EA		Red, Weatherproof, 24 Volt DC, 75 Candela, Wall Mounted, Horn/Strobe (Wheelock ASWP-2475W-FR) .....	154.85	40.64
28 46 13 31-2092	EA		Red, 24 Volt DC, 15/75 Candela, Continuous Or Code 3 Tone, Wall Mounted Horn/Strobe (Wheelock HS4-241575 Watt-FR) .....	230.29	40.64
28 46 13 31-2093	EA		Red, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FR) .....	179.87	40.64
28 46 13 31-2094	EA		White, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FW).....	179.87	40.64
28 46 13 31-2095	EA		Red, Flush, 24 Volt AC, 15/75 Candela, Sync/Non-Sync, Wall Mounted Horn/Strobe (Wheelock MT-241575 Watt-FR) .....	218.53	40.64
28 46 13 31-2096	EA		Red, 24 Volt AC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock MT-24MCW-FR).....	173.49	40.64
28 46 13 31-2097	EA		Red, 115 Volt AC, Wall Mounted Horn/Strobe (Wheelock MT4-115-WH-VFR) .....	171.57	40.64
28 46 13 31-2098	EA		Red, Weatherproof, 24 Volt DC, 75 Candela, Wall Mounted Horn/Strobe (Wheelock MTWP-2475W-FR) .....	189.32	46.06
28 46 13 31-2099	EA		Red, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock HSR) .....	154.08	40.64
28 46 13 31-2100	EA		White, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock HSW).....	154.08	40.64
<b>28 46 13 31-2101</b>			<b>Ceiling Mounted Strobes (28 46 13 31-2081)</b>		
28 46 13 31-2102	EA		Red, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe (Wheelock RSS-24MCC-FR) .....	144.67	40.64
28 46 13 31-2103	EA		White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe (Wheelock RSS-24MCC-FW) .....	144.67	40.64
28 46 13 31-2104	EA		Red, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Strobe (Wheelock STRC).....	139.73	40.64
28 46 13 31-2105	EA		White, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Strobe (Wheelock STWC) .....	138.91	40.64
<b>28 46 13 31-2106</b>			<b>Wall Mounted Strobes (28 46 13 31-2081)</b>		
28 46 13 31-2107	EA		Red, Multi-Candela, 24 Volt DC, Wall Mounted Strobe (Wheelock AMT-24MCW-FR).....	219.97	40.64
28 46 13 31-2108	EA		Red, Retrofit Plate, 12 Volt DC, 15/75 Candela, Wall Mounted Strobe (Wheelock RSSP-121575W-FR) .....	176.56	40.64
28 46 13 31-2109	EA		Red, 24 Volt DC, 15/75 Candela, Wall Mounted Strobe (Wheelock RSS-241575W-FR) .....	184.54	40.64
28 46 13 31-2110	EA		Red, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSS-24MCW-FR).....	143.14	40.64
28 46 13 31-2111	EA		White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSS-24MCW-FW) .....	143.14	40.64
28 46 13 31-2112	EA		Red, Retrofit Plate, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSSP-24MCW-FR) .....	153.12	40.64
28 46 13 31-2113	EA		Outdoor, Red, 24 Volt DC, 75 Candela, Wall Mounted Strobe (Wheelock RSSWP-2475W-FR)..... Note: Requires WPSBB-R.	159.74	46.06
28 46 13 31-2114	EA		Red, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Strobe (Wheelock STR) .....	139.87	40.64
28 46 13 31-2115	EA		White, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Strobe (Wheelock STW).....	139.87	40.64
<b>28 46 13 31-2116</b>			<b>Ceiling Mounted Speakers/Strobes (28 46 13 31-2081)</b>		
28 46 13 31-2117	EA		Red, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E60-24MCC-FR).....	176.56	40.64
28 46 13 31-2118	EA		White, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E60-24MCC-FW).....	176.56	40.64
28 46 13 31-2119	EA		White, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E70-24MCC-FW).....	176.56	40.64

**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
28 46 13 31-210	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-FW) .....	178.48	40.64
28 46 13 31-211	EA	White, 24 Volt DC, Multi-Candela 115/177, Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCCH-FW).....	189.24	40.64
28 46 13 31-212	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Speaker/Strobe (Wheelock ET90-24MCC-FW) .....	204.22	40.64
<b>28 46 13 31-2123 Wall Mounted Speakers/Strobes (28 46 13 31-2081)</b>				
28 46 13 31-2124	EA	Red, Square, 24 Volt DC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E50-241575 Watt-FR) .....	252.51	40.64
28 46 13 31-2125	EA	White, Square, 24 Volt DC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E50-241575 Watt-FW) .....	252.51	40.64
28 46 13 31-2126	EA	Red, 24 Volt DC, Multi-Candela 115/177, Wall Mounted Speaker/Strobe (Wheelock E60-24MCCH-FR) .....	189.24	40.64
28 46 13 31-2127	EA	White, 24 Volt DC, Multi-Candela 115/177, Wall Mounted Speaker/Strobe (Wheelock E60-24MCCH-FW).....	189.24	40.64
28 46 13 31-2128	EA	Red, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E50-24MCW-FR) .....	176.56	40.64
28 46 13 31-2129	EA	White, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E50-24MCW-FW).....	173.49	40.64
28 46 13 31-2130	EA	Red, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E50-24MCWH-FR) .....	189.24	40.64
28 46 13 31-2131	EA	White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E50-24MCWH-FW).....	189.24	40.64
28 46 13 31-2132	EA	Red, Square, 24 Volt DC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E70-241575 Watt-FR) .....	249.90	40.64
28 46 13 31-2133	EA	Red, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E70-24MCW-FR) .....	178.48	40.64
28 46 13 31-2134	EA	White, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E70-24MCW-FW).....	176.94	40.64
28 46 13 31-2135	EA	Red, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FR) .....	244.02	40.64
28 46 13 31-2136	EA	White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FW).....	249.90	40.64
28 46 13 31-2137	EA	Red, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock ET70-24MCW-FR).....	204.22	40.64
28 46 13 31-2138	EA	White, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock ET70-24MCW-FW).....	204.22	40.64
28 46 13 31-2139	EA	Weatherproof, Red, 24 Volt DC, 75 Candela, Wall Mounted Speaker Strobe/(Wheelock ET70WP-2475 W-FR).....	271.85	46.06
Note: Requires weatherproof backbox (IOB).				
<b>28 46 13 31-2140 Electric Alarm Bells (28 46 13 31-2081)</b>				
28 46 13 31-2141	EA	6", 24 Volt DC, Red, Vibrating Bell (Wheelock 43T-G6-24-R) .....	171.95	40.64
28 46 13 31-2142	EA	6", 115 Volt AC, Red, Vibrating Bell (Wheelock 43T-G6-115-R) .....	165.80	40.64
28 46 13 31-2143	EA	10", 115 Volt AC, Red, Vibrating Bell (Wheelock 43T-G10-115-R).....	206.91	40.64
28 46 13 31-2144	EA	115 Volt AC, Single Stroke, Red, 10" Explosion Proof Bell (Wheelock CSX10-115-R) .....	1,625.83	46.06
28 46 13 31-2145	EA	Outdoor, 115 Volt AC, Single Stroke, Red, 10" Explosion Proof Bell (Wheelock CSXG10-115-R).....	2,627.81	46.06
28 46 13 31-2146	EA	Vibrating, Outdoor, 115 Volt AC, Single Stroke, Red, 10" Explosion Proof Bell (Wheelock CVXG10-115-R) .....	2,673.68	46.06
28 46 13 31-2147	EA	6", ADA, 24 Volt DC, Red, Motor Bell (Wheelock MB-G6-24-R) .....	137.18	40.64
28 46 13 31-2148	EA	10", ADA, 24 Volt DC, Red, Motor Bell (Wheelock MB-G10-24-R).....	162.34	40.64
<b>28 46 13 31-2149 Horns (28 46 13 31-2081)</b>				
28 46 13 31-2150	EA	Two Wire, 24 Volt DC, Indoor Or Outdoor, Continuous Or Code 3, Sync Or Non Sync Horn (Wheelock AH-24WP-R).....	133.56	40.64
28 46 13 31-2151	EA	Red, Two Wire, 12/24 Volt DC, Wall Mounted Horn (Wheelock HNR).....	115.55	40.64
28 46 13 31-2152	EA	White, Two Wire, 12/24 Volt DC, Wall Mounted Horn (Wheelock HNW) .....	115.55	40.64
28 46 13 31-2153	EA	Red, Two Wire, 12/24 Volt DC, Ceiling Mounted Horn (Wheelock HNRC).....	116.40	40.64
28 46 13 31-2154	EA	White, Two Wire, 12/24 Volt DC, Ceiling Mounted Horn (Wheelock HNBC).....	116.40	40.64
28 46 13 31-2155	EA	Red, 24 Volt DC, Sync With Built-In Temporal, Mini-Horn (Wheelock MIZ-24S-R).....	102.18	40.64
28 46 13 31-2156	EA	White, 24 Volt DC, Sync With Built-In Temporal, Mini-Horn (Wheelock MIZ-24S-W) .....	102.18	40.64
28 46 13 31-2157	EA	Red, Flush, 12/24 Volt AC, Horn (Wheelock MT-12/24-R).....	116.40	40.64
<b>28 46 13 31-2158 Speakers (28 46 13 31-2081)</b>				
28 46 13 31-2159	EA	Red, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Mounted Speaker (Wheelock E50-R).....	118.85	40.64
28 46 13 31-2160	EA	White, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Mounted Speaker (Wheelock E50-W) .....	118.85	40.64
28 46 13 31-2161	EA	Red, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Ceiling Mounted Speaker (Wheelock E60-R).....	118.85	40.64
28 46 13 31-2162	EA	White, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Ceiling Mounted Speaker (Wheelock E60-W) .....	117.16	40.64
28 46 13 31-2163	EA	Red, Flush, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E70-R) .....	118.85	40.64
28 46 13 31-2164	EA	White, Flush, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E70-W).....	118.85	40.64
28 46 13 31-2165	EA	Red, Round, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E90-R).....	118.85	40.64
28 46 13 31-2166	EA	White, Round, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E90-W).....	118.85	40.64
28 46 13 31-2167	EA	Red, Flush Or Surface, Square, 1/8 - 8 Watt, Wall Mounted Speaker (Wheelock ET70-R).....	137.37	40.64
28 46 13 31-2168	EA	White, Flush Or Surface, Square, 1/8 - 8 Watt, Wall Mounted Speaker (Wheelock ET70-W) .....	137.37	40.64
28 46 13 31-2169	EA	White, Round, 25 Or 70.7 VRMS, 1/8 - 8 Watt Ceiling Mounted Speaker (Wheelock ET90-W) .....	138.91	40.64
28 46 13 31-2170	EA	Red, Surface Mounted, Vandal Resistant, Square, 1/8 - 8 Watt, Wall Or Ceiling Mounted Speaker (Wheelock ET-1010-R).....	161.95	40.64
28 46 13 31-2171	EA	Red, Flush Mounted, Vandal Resistant, Square, 1/8 - 8 Watt, Wall Or Ceiling Mounted Speaker (Wheelock ET-1080-R).....	148.31	40.64
28 46 13 31-2172	EA	Grey, 1 To 15 Watt, 25/70/100 V Transformer, Loud Speaker (Wheelock STH-15S).....	258.01	40.64
28 46 13 31-2173	EA	Red, 1 To 15 Watt, 25/70/100 V Transformer, Loud Speaker (Wheelock STH-15SR).....	258.01	40.64
<b>28 46 13 31-2174 Sync Modules (28 46 13 31-2081)</b>				
28 46 13 31-2175	EA	12 Or 24 Volt DC, Single Circuit Class B, Sync Module (Wheelock SM-12/24-R) .....	156.14	27.10
<b>28 46 13 31-2176 Boxes, Plates And Rings (28 46 13 31-2081)</b>				
28 46 13 31-2177	EA	4" Square, Red, Surface Backbox (Wheelock BB-R).....	35.51	13.54
28 46 13 31-2178	EA	Standard 4" Square Box (Wheelock BB-STD) .....	33.18	13.54



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2179	EA		Black, Backbox For UZC-256 (Wheelock BB-UZC) .....	180.05	27.10
28 46 13 31-2180	EA		Red, Backbox For UZC-256 (Wheelock BB-UZC-R) .....	180.05	27.10
28 46 13 31-2181	EA		9" x 12" x 2.75", For Two XP Boards, Surface Mounted Cabinet (Wheelock BB-XP) .....	139.21	21.67
28 46 13 31-2182	EA		Red, Extender Ring For E60 Series (Wheelock E60EXT-R) .....	18.37	5.42
28 46 13 31-2183	EA		White, Extender Ring For E60 Series (Wheelock E60EXT-W) .....	18.37	5.42
28 46 13 31-2184	EA		Red, Surface Mounted Backbox For E50 Speakers (Wheelock E50SB-R) .....	44.62	13.54
28 46 13 31-2185	EA		White, Surface Mounted Backbox For E50 Speakers (Wheelock E50SB-W) .....	42.16	13.54
28 46 13 31-2186	EA		Red, Surface Mounted Backbox For E50 Speaker Strobe (Wheelock E50SSB-R) .....	44.62	13.54
28 46 13 31-2187	EA		White, Surface Mounted Backbox For E50 Speaker Strobe (Wheelock E50SSB-W) .....	44.62	13.54
28 46 13 31-2188	EA		4" Square Backbox (Wheelock DBB-R) .....	37.09	13.54
28 46 13 31-2189	EA		Red, Surface Backbox (Wheelock IOB-R) .....	43.01	13.54
28 46 13 31-2190	EA		White, Surface, Backbox (Wheelock IOB-W) .....	43.01	13.54
28 46 13 31-2191	EA		White, Indoor, Surface Extender (Wheelock ISP2-W) .....	17.56	5.42
28 46 13 31-2192	EA		Red, RS/RSS Strobe Trim Plate (Wheelock NATP-R) .....	21.95	5.42
28 46 13 31-2193	EA		White, RS/RSS Strobe Trim Plate (Wheelock NATP-W) .....	21.95	5.42
28 46 13 31-2194	EA		Red Retrofit Plate (Wheelock RP-R) .....	20.83	5.42
28 46 13 31-2195	EA		4" Speaker/Strobe Ceiling Tile Support Bracket (Wheelock SSB-4) .....	30.56	5.42
28 46 13 31-2196	EA		Red, Surface Mounted, Backbox For Chimes, Speakers (Wheelock SBB-R) .....	45.00	13.54
28 46 13 31-2197	EA		White, Surface Mounted, Backbox For Chimes, Speaker (Wheelock SBB-W) .....	45.54	13.54
28 46 13 31-2198	EA		Red, Surface Mounted, Backbox For With RSSP (Wheelock SBL2-R) .....	48.38	13.54
28 46 13 31-2199	EA		Red, Semi-Flush Plate (Wheelock SFB-R) .....	22.93	5.42
28 46 13 31-2200	EA		White, Semi-Flush Plate (Wheelock SFB-W) .....	22.93	5.42
28 46 13 31-2201	EA		Red, Shallow Surface Mounted, Backbox (Wheelock SHBB-R) .....	39.66	13.54
28 46 13 31-2202	EA		White, Shallow Surface Mounted, Backbox (Wheelock SHBB-W) .....	39.66	13.54
28 46 13 31-2203	EA		Red, Adapter Plate For Mounting Sth-15S And Sth-15SR (Wheelock SHMP-R) .....	25.90	5.42
28 46 13 31-2204	EA		Red, Weather Resistant Backbox (Wheelock WBB-R) .....	44.31	13.54
28 46 13 31-2205	EA		Red, Flush Outdoor Mounting Plate For RS, ET, AH And MT Series (Wheelock WFP-R) .....	31.74	5.42
28 46 13 31-2206	EA		White, Flush Outdoor Mounting Plate For RS, ET, AH And MT Series (Wheelock WFP-W) .....	31.74	5.42
28 46 13 31-2207	EA		Red, Flush Outdoor Mounting Plate For ASWP Series (Wheelock WFPA-R) .....	31.74	5.42
28 46 13 31-2208	EA		White, Flush Outdoor Mounting Plate For ASWP Series (Wheelock WFPA-W) .....	31.74	5.42
28 46 13 31-2209	EA		Gasket Kit For Rear Wiring To Outdoor Backbox (Wheelock WP-KIT) .....	19.37	5.42
28 46 13 31-2210	EA		Weather Resistant Backbox For ASWP (Wheelock WPBB-R) .....	48.30	13.54
28 46 13 31-2211	EA		Weather Resistant Backbox For RSSWP (Wheelock WPSBB-R) .....	44.87	13.54
<b>28 46 13 31-2212</b>			<b>Manual Pull Station (28 46 13 31-2081)</b>		
28 46 13 31-2213	EA		SPST, Single Action, Manual Pull Station (Eaton Wheelock MPS-100) .....	114.87	27.10
28 46 13 31-2214	EA		SPST, Double Action, Manual Pull Station (Eaton Wheelock MPS-200) .....	114.87	27.10
28 46 13 31-2215	EA		Explosion Proof, Single Action Manual Pull Station (Eaton Wheelock MPS-400X) .....	970.56	27.10
<b>28 46 13 31-2216</b>			<b>Potter Fire Alarm (28 46 13 31)</b>		
<b>28 46 13 31-2217</b>			<b>Electric Alarm Bells (28 46 13 31-2216)</b>		
28 46 13 31-2218	EA		6" Alarm Bell, 12 Volt DC (Potter MBA-6-12) .....	112.73	40.64
28 46 13 31-2219	EA		8" Alarm Bell, 12 Volt DC (Potter MBA-8-12) .....	122.66	40.64
28 46 13 31-2220	EA		10" Alarm Bell, 12 Volt DC (Potter MBA-10-12) .....	127.62	40.64
28 46 13 31-2221	EA		6" Alarm Bell, 24 Volt DC (Potter MBA-6-24) .....	112.73	40.64
28 46 13 31-2222	EA		8" Alarm Bell, 24 Volt DC (Potter MBA-8-24) .....	122.66	40.64
28 46 13 31-2223	EA		10" Alarm Bell, 24 Volt DC (Potter MBA-10-24) .....	127.62	40.64
28 46 13 31-2224	EA		6" Alarm Bell, 24 Volt AC (Potter PBA246) .....	121.16	40.64
28 46 13 31-2225	EA		8" Alarm Bell, 24 Volt AC (Potter PBA248) .....	125.92	40.64
28 46 13 31-2226	EA		10" Alarm Bell, 24 Volt AC (Potter PBA2410) .....	154.00	40.64
28 46 13 31-2227	EA		6" Alarm Bell, 120 Volt AC (Potter PBA1206) .....	114.16	40.64
28 46 13 31-2228	EA		8" Alarm Bell, 120 Volt AC (Potter PBA1208) .....	125.92	40.64
28 46 13 31-2229	EA		10" Alarm Bell, 120 Volt AC (Potter PBA12010) .....	135.76	40.64
<b>28 46 13 31-2230</b>			<b>Manual Pull Station (28 46 13 31-2216)</b>		
28 46 13 31-2231	EA		SPST, Single Action, Manual Pull Station (Potter P32-1T) .....	82.33	27.10
28 46 13 31-2232	EA		DPST, Single Action, Manual Pull Station (Potter RMS-2T) .....	86.84	27.10
28 46 13 31-2233	EA		DPST, Single Action, Manual Pull Station (Potter RMS-6T) .....	137.60	27.10
28 46 13 31-2234	EA		DPST, Single Action, Key Reset Manual Pull Station (Potter RMS-1T-KL) .....	89.65	27.10
28 46 13 31-2235	EA		SPST, Dual Action, Manual Pull Station (Potter P32-1T-LP) .....	84.89	27.10
28 46 13 31-2236	EA		SPST, Weather Proof, Manual Pull Station (Potter RMS-1T-WP) .....	153.47	27.10
28 46 13 31-2237	EA		SPST, Weather Proof Dual Action, Manual Pull Station (Potter RMS-1T-WP-LP) .....	191.33	27.10
<b>28 46 13 31-2238</b>			<b>Fire Alarm Terminal Cabinets (28 46 13 31)</b>		
28 46 13 31-2239	EA		18 Point Lockable Fire Alarm Terminal Cabinet .....	214.44	54.28
28 46 13 31-2240	EA		32 Point Lockable Fire Alarm Terminal Cabinet .....	277.97	54.28
28 46 13 31-2241	EA		64 Point Lockable Fire Alarm Terminal Cabinet .....	405.02	54.28
28 46 13 31-2242	EA		128 Point Lockable Fire Alarm Terminal Cabinet .....	532.04	54.28
<b>28 46 13 31-2243</b>			<b>Test And Certification Of Fire Alarm System (28 46 13 31)</b>		
28 46 13 31-2244	HR		Test And Certification Of Fire Alarm System .....	269.02	
<b>28 46 13 31-2245</b>			<b>Programming Of Fire Alarm System (28 46 13 31)</b>		
28 46 13 31-2246	HR		Programming Of Fire Alarm System .....	322.82	

**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

28 46 13 31-2247		Removal And Reinstallation Of Smoke Detector (28 46 13 31) Note: Includes storage, cleaning and supply materials.		
28 46 13 31-2248	EA	Removal And Reinstallation Of Ceiling Mounted Smoke Detector.....	151.73	
28 46 13 31-2249	EA	Removal And Reinstallation Of Wall Mounted Smoke Detector.....	121.92	
28 46 13 31-2250		Kidde Fire Safety Equipment (28 46 13 31)		
28 46 13 31-2251		Smoke Detectors (28 46 13 31-2250)		
28 46 13 31-2252	EA	Combination Smoke And Carbon Monoxide Detector, 120 Volt Wired, With Battery Back-up (Kidde i12010SCO).....	138.80	40.64
28 46 13 31-2253	EA	Combination Smoke And Carbon Monoxide Detector, With Battery Back-up (Kidde P3010K-CO) .....	113.18	40.64
28 46 31		<b>Fire-Alarm Initiating Devices (28 46)</b>		
28 46 31 11		<b>Heat-Sensing Fire Detectors (28 46 31)</b>		
28 46 31 11-0001		Protectowire Fire Alarm (28 46 31 11)		
28 46 31 11-0002		Linear Heat Detector Cable (28 46 31 11-0001)		
28 46 31 11-0003	LF	Multi-Purpose Linear Heat Detector, EPC Type, 155 To 220 Degree F (Protectowire PHSC-EPC).....	4.77	
28 46 31 11-0004	LF	Multi-Purpose Linear Heat Detector With Messenger Wire, EPC Type, 155 To 220 Degree F (Protectowire PHSC-EPC-M).....	5.16	
28 46 31 11-0005	LF	High Performance Linear Heat Detector, XCR Type, 155 To 220 Degree F (Protectowire PHSC-XCR).....	5.16	
28 46 31 11-0006	LF	High Performance Linear Heat Detector With Messenger Wire, XCR Type, 155 To 220 Degree F (Protectowire PHSC-XCR-M).....	5.55	
28 46 31 11-0007	LF	Multi-Purpose Linear Heat Detector, XLT Type, 135 Degree F (Protectowire PHSC-XLT).....	6.12	
28 46 31 11-0008	LF	Multi-Purpose Linear Heat Detector With Messenger Wire, XLT Type, 135 Degree F (Protectowire PHSC-XLT-M) .....	6.51	
28 46 31 11-0009	EA	Flexible Lead Connector For Linear Heat Detector (Protectowire PFL).....	61.46	
28 46 31 11-0010	EA	Splicing Connector For Linear Heat Detector (Protectowire PWSC).....	23.82	
28 46 31 11-0011	EA	Cable Tray Clip For Linear Heat Detector (Protectowire CC-2N And CC-2W).....	8.16	
28 46 31 11-0012	EA	Cable Tray Spring Clip For Linear Heat Detector (Protectowire HPC-2).....	8.16	
28 46 31 11-0013	EA	Adhesive Cable Mount For Linear Heat Detector (Protectowire EMS-A-CO) .....	9.14	
28 46 31 11-0014	EA	Beam Clamp For Linear Heat Detector (Protectowire BC-2) .....	14.24	
28 46 31 11-0015	EA	Beam Clamp With Polypropylene Clip For Linear Heat Detector (Protectowire BC-3P) .....	14.76	
28 46 31 11-0016	EA	Pipe Mounting Straps Nylon (3/4" to 2" Pipe) (Protectowire PM-3A) .....	1.34	
28 46 31 11-0017	EA	Pipe Mounting Straps Nylon (2-1/2" to 3-1/2" Pipe) (Protectowire PM-3B) .....	1.82	
28 46 31 11-0018	EA	Pipe Mounting Straps Nylon (4" to 6" Pipe) (Protectowire PM-3C) .....	7.99	
28 46 41		<b>Fire-Alarm Notification Appliances (28 46)</b>		
28 46 41 11		<b>Audible Fire-Alarm Notification Appliances (28 46 41)</b> See CSI section 28 46 13 31-0000 for fire alarm speakers.		
28 46 41 31		<b>Combination Fire-Alarm Notification Appliances (28 46 41)</b> See CSI section 28 46 13 31-0000 for fire alarm horns and strobes.		
28 47		<b>Mass Notification (28 40)</b>		
28 47 15		<b>Mass Notification Control Panels (28 47)</b>		
28 47 15 00-0001		Central Station Controls (28 47 15)		
28 47 15 00-0002	EA	Desktop 18 Function Base Station Control/Encoder (Whelen E747) .....	850.60	
28 47 15 00-0003	EA	Desktop 35 Function Base Station Control/Encoder (Whelen E969) .....	1,383.26	
28 47 15 00-0004	EA	Desktop Central Station Control Encoder/Decoder (Whelen E2010).....	3,681.61	
28 47 15 00-0005	EA	Siren Status Printer And Cable Option For E2010 (Whelen E2010P).....	1,152.16	27.10
28 47 15 00-0006	EA	Rack Mounted Central Station Control Encoder/Decoder (Whelen E2010R) .....	4,236.96	27.10
28 47 15 00-0007	EA	Internal Option To Convert E2010 To FSK Format (Whelen E2010FSK) .....	642.38	27.10
28 47 15 00-0008	EA	Option To Convert Activation Controls To FSK Format (Whelen FSKCEO) .....	753.49	27.10
28 47 17		<b>Notification Devices and Methods (28 47)</b>		
28 47 17 17		<b>Notification Appliances and Methods Public Methods (28 47 17)</b>		
28 47 17 17-0001		Voice Capable Omni-Directional Speakers (28 47 17 17)		
28 47 17 17-0002	EA	1 Cell, 109 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2901A) .....	11,940.19	711.19
		Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0003	EA	2 Cells, 115 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2902A) .....	14,580.09	742.12
		Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0004	EA	3 Cells, 119 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2903A) .....	17,187.30	773.04
		Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0005	EA	4 Cells, 121 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2904A) .....	19,794.53	803.97
		Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0006	EA	5 Cells, 123 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2905A) .....	22,467.11	834.88
		Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0007	EA	6 Cells, 125 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2906A) .....	26,936.99	865.80
		Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0008	EA	7 Cells, 126 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2907A) .....	29,576.88	896.73
		Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0009	EA	8 Cells, 127 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2908A) .....	32,750.52	927.64
		Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0010	EA	9 Cells, 128 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2909A) .....	35,357.74	958.57
		Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0011	EA	10 Cells, 129 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2910A) .....	37,997.65	989.49
		Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0012	EA	3 Cells, 127 dB, Voice Capable Rotating Directional Speaker (Whelen WPS4003) .....	25,956.65	865.80
		Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 47 17 17-0013 EA 4 Cells, 129 dB, Voice Capable Rotating Directional Speaker (Whelen WPS4004) .....	27,648.87	896.73
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0014 EA One-Way Control, 10 Digit DTMF Landline (Whelen D2030LL) .....	380.74	27.10
28 47 17 17-0015 EA VHF High-Band Narrow-Band, One-Way Control, 10 Digit DTMF (Whelen D2030NV) .....	1,927.72	27.10
28 47 17 17-0016 EA UHF Narrow-Band, One-Way Control, 10 Digit DTMF (Whelen D2030NU) .....	1,927.72	27.10
28 47 17 17-0017 EA UHF Wide Band, One-Way Control, 10 Digit DTMF (Whelen D2030WU) .....	1,742.55	27.10
28 47 17 17-0018 EA VHF High-Band Wide Band, One-Way Control, 10 Digit DTMF (Whelen D2030WV) .....	1,688.08	27.10
28 47 17 17-0019 EA Two-Tone Sequential Option (Whelen WPSTT) .....	352.68	27.10
28 47 17 17-0020 EA Full Function Auxiliary/Status Board For Contact Closure Activation (Two Way) (Whelen AUXCS) .....	448.55	27.10
28 47 17 17-0021 EA Landline, 10 Digit DTMF (Whelen C2030LL) .....	465.69	27.10
28 47 17 17-0022 EA VHF High-Band Narrow-Band, Two-Way Control, 10 Digit DTMF (Whelen C2030NV) .....	2,746.23	27.10
28 47 17 17-0023 EA UHF Narrow-Band, Two-Way Control, 10 Digit DTMF (Whelen C2030NU) .....	2,112.90	27.10
28 47 17 17-0024 EA UHF Wide-Band, 10 Digit DTMF (Whelen C2030WU) .....	2,112.90	27.10
28 47 17 17-0025 EA VHF High-Wide Band, 10 Digit DTMF (Whelen C2030WV) .....	2,112.90	27.10
28 47 17 17-0026 EA Option To Convert WPS Activation Controls To FSK Format (Whelen FSKXMOD) .....	753.49	27.10
28 47 17 17-0027 EA Cabinet Window LED Status Indicator (Whelen STATUS) .....	478.99	27.10
28 47 17 17-0028 EA Paging Interface Whelen Tones With Existing In-Plant Systems (Whelen PGINT) .....	291.89	27.10
28 47 17 17-0029 EA Intrusion Alarm (Whelen INTRUWPS) .....	224.08	27.10
28 47 17 17-0030 EA Custom Pre-Recorded Messages (One Time Set-Up Charge Per Message) (Whelen MSGPROG) .....	148.86	
28 47 17 17-0031 EA Whelen Library Messages (Whelen MSGPROGL) .....	29.81	
28 47 17 17-0032 EA Noise Cancelling Microphone Includes Local Microphone Input Harness (Whelen WPSNCMIC) .....	126.27	27.10
28 47 17 17-0033 EA One Pair Of Whelen Approved Batteries (Whelen WPSBATT) .....	987.55	40.64
28 47 17 17-0034 EA WPS And OA Series, Roof Top Mounted (Whelen RTM) .....	9,354.75	680.28
28 47 17 17-0035 EA Two 80 Watt Panels, Solar Power System (Whelen SBC280) .....	3,887.03	162.56
Note: Includes mounting bracket and regulator.		
28 47 17 17-0036 EA Amber, 6 LED Lights For The Base Of WPS Series (Whelen VALERTA) .....	1,976.61	40.64
28 47 17 17-0037 EA Blue, 6 LED Lights For The Base Of WPS Series (Whelen VALERTB) .....	1,976.61	40.64
28 47 17 17-0038 EA Clear, 6 LED Lights For The Base Of WPS Series (Whelen VALERTC) .....	1,976.61	40.64
28 47 17 17-0039 EA Green, 6 LED Lights For The Base Of WPS Series (Whelen VALERTG) .....	1,976.61	40.64
28 47 17 17-0040 EA Red, 6 LED Lights For The Base Of WPS Series Products (Whelen VALERTR) .....	1,976.61	40.64
28 47 17 17-0041 EA Amber, 24 Volt DC, LED, Beacon (Whelen L31HAF4) .....	570.73	40.64
28 47 17 17-0042 EA Blue, 24 Volt DC, LED, Beacon (Whelen L31HBF4) .....	570.73	40.64
28 47 17 17-0043 EA Red, 24 Volt DC, LED, Beacon (Whelen L31HRF4) .....	570.73	40.64
28 47 17 17-0044 EA Amber, 24 Volt DC, Strobe (Whelen ISB24A) .....	449.93	40.64
28 47 17 17-0045 EA Blue, 24 Volt DC, Strobe (Whelen ISB24B) .....	449.93	40.64
28 47 17 17-0046 EA Clear, 24 Volt DC, Strobe (Whelen ISB24C) .....	449.93	40.64
28 47 17 17-0047 EA Green, 24 Volt DC, Strobe (Whelen ISB24G) .....	449.93	40.64
28 47 17 17-0048 EA Red, 24 Volt DC, Strobe (Whelen ISB24R) .....	449.93	40.64
28 47 17 17-0049 EA Strobe/LED Controller With Mounting Plate, Hardware And Harnessing For ISB24 (Whelen SCWPS) .....	765.47	27.10
28 47 17 17-0050 EA Strobe Controller (Whelen STCTRL) .....	469.59	27.10
28 47 17 17-0051 EA LED Controller (Whelen LEDCTRL) .....	469.59	27.10
28 47 17 17-0052 EA Speaker Driver Handle/Plate Assembly Only (Less Speaker Driver) (Whelen EZ-PULL) .....	342.70	40.64
28 47 17 17-0053 EA Siren Diagnostic and Programming Software In CD Format (Whelen SDPTS) .....	428.74	
28 47 17 17-0054 EA 400 Watt Speaker Driver (Whelen SPKDRV) .....	647.29	27.10
28 47 17 17-0055 EA Cabinet Window LED Status Indicator (Whelen STATUS) .....	330.08	27.10
28 47 17 17-0056 EA Noise Cancelling Microphone Option For Encoder (Whelen WPSMIC) .....	126.27	27.10
28 47 17 17-0057 EA Notifier/Whelen Interface Board (Whelen NAUXCS) .....	640.27	27.10
<b>28 47 17 17-0058 Tone Only, Omni-Alert Sirens (28 47 17 17)</b>		
28 47 17 17-0059 EA One Cell, Tone Only, Omni-Alert Siren (Whelen OA1) .....	9,648.86	680.28
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0060 EA Two Cell, Tone Only, Omni-Alert Siren (Whelen OA2) .....	12,049.12	711.19
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0061 EA Three Cell, Tone Only, Omni-Alert Siren (Whelen OA3) .....	14,427.59	742.12
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0062 EA Four Cell, Tone Only, Omni-Alert Siren (Whelen OA4) .....	16,860.52	773.04
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0063 EA One Way Controls, Auxiliary Board For Contact Closure Activation (Whelen O AUXIN) .....	274.21	27.10
28 47 17 17-0064 EA One Way Landline Activation, 10 Digit DTMF (Whelen OD2030LL) .....	380.74	27.10
28 47 17 17-0065 EA VHF High-Narrow Band, 10 Digit DTMF (Whelen OD230NV) .....	1,927.72	27.10
28 47 17 17-0066 EA UHF Narrow-Band, 10 Digit DTMF (Whelen OD230NU) .....	1,927.72	27.10
28 47 17 17-0067 EA UHF Wide-Band, 10 Digit DTMF (Whelen OD230WU) .....	1,742.55	27.10
28 47 17 17-0068 EA VHF High-Wide Band, 10 Digit DTMF (Whelen OD230WV) .....	1,688.08	27.10
28 47 17 17-0069 EA One-Way Control Two-Tone Sequential Option (Whelen OTT) .....	309.04	27.10
28 47 17 17-0070 EA Two Way Controls, Contact Closure Activation Board (Whelen O AUXCS) .....	605.35	27.10
28 47 17 17-0071 EA Two Way Landline Activation (Whelen OC2030LL) .....	629.31	27.10
28 47 17 17-0072 EA VHF High-Narrow Band, 10 Digit DTMF (Whelen OC230NV) .....	2,112.90	27.10
28 47 17 17-0073 EA UHF Narrow-Band, 10 Digit DTMF (Whelen OC230NU) .....	2,112.90	27.10
28 47 17 17-0074 EA UHF, 10 Digit DTMF (Whelen OC230WU) .....	2,112.90	27.10
28 47 17 17-0075 EA VHF High Band, 10 Digit DTMF (Whelen OC230WV) .....	2,112.90	27.10
28 47 17 17-0076 EA Converts The Omni-Alert Siren Activation Controls To FSK Format (Whelen OFSKXMOD) .....	753.49	27.10
28 47 17 17-0077 EA Paging Interface To Interface Whelen Tones With Existing In-Plant Systems (Whelen OPGINT) .....	291.89	27.10
28 47 17 17-0078 EA Cabinet Window LED Status Indicator (Whelen O STATUS) .....	330.08	27.10
28 47 17 17-0079 EA Intrusion Alarm (Whelen OINTRU) .....	182.00	27.10
28 47 17 17-0080 EA 80 Watt Solar Power Option (Whelen OSBC280) .....	3,887.03	162.56
28 47 17 17-0081 EA One Pair Of Whelen Approved Batteries For Omialert (Whelen BSETO) .....	664.26	40.64
<b>28 47 17 17-0082 Tone-Only Rotating Directional Speakers (28 47 17 17)</b>		
28 47 17 17-0083 EA 3 Cells, 127 dB, Tone-Only Rotating Directional Speaker (Whelen VORTEXR3) .....	20,012.38	803.97
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0084 EA 4 Cells, 129 dB, Tone-Only Rotating Directional Speaker (Whelen VORTEXR4) .....	21,225.34	834.88
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0085 EA Limited Function Auxiliary Board For Contact Closure Activation (Whelen VAUXIN) .....	211.61	27.10
28 47 17 17-0086 EA Landline, 10 Digit DTMF (Whelen VD2030LL) .....	510.58	27.10

**28 Electronic Safety and Security****28 40 Life Safety****28 47 Mass Notification**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

28 47 17 17-0087	EA	VHF High-Narrow Band, 10 Digit DTMF (Whelen VD230NV).....	1,927.72	27.10
28 47 17 17-0088	EA	UHF Narrow-Band, 10 Digit DTMF (Whelen VD230NU).....	1,927.72	27.10
28 47 17 17-0089	EA	UHF Wide-Band, 10 Digit DTMF (Whelen VD230WU).....	1,742.55	27.10
28 47 17 17-0090	EA	VHF High-Wide Band, 10 Digit DTMF (Whelen VD230WV).....	1,688.08	27.10
28 47 17 17-0091	EA	Two-Tone Sequential Option (Order One-Way Control Option, Above, VD2020L, VD2020H, VD2020U) (Whelen VORTT).....	309.04	27.10
28 47 17 17-0092	EA	Full Function Auxiliary/Status Control Board For Contact Closure Activation (Whelen VAUXCS).....	593.37	27.10
28 47 17 17-0093	EA	Landline, 10 Digit DTMF (Whelen VC2030LL).....	629.31	27.10
28 47 17 17-0094	EA	VHF High-Narrow Band, 10 Digit DTMF (Whelen VC230NV).....	2,112.90	27.10
28 47 17 17-0095	EA	UHF Narrow-Band, 10 Digit DTMF (Whelen VC230NU).....	2,112.90	27.10
28 47 17 17-0096	EA	UHF, 10 Digit DTMF (Whelen VC230WU).....	2,112.90	27.10
28 47 17 17-0097	EA	VHF High Band, 10 Digit DTMF (Whelen VC230WV).....	2,112.90	27.10
28 47 17 17-0098	EA	Option To Convert The Vortex Activation Controls To FSK Format (Whelen VFSKXMOD).....	753.49	27.10
28 47 17 17-0099	EA	Cabinet Window LED Status Indicator (Whelen VSTATUS).....	439.78	27.10
28 47 17 17-0100	EA	Paging Interface To Interface Whelen Tones With Existing In-Plant Systems (Whelen VPGINT).....	291.89	27.10
28 47 17 17-0101	EA	Vortex Intrusion Alarm (Whelen VINTRU).....	182.00	27.10
28 47 17 17-0102	EA	Speaker Pole Top Bracket (Whelen VPTB).....	605.35	27.10
28 47 17 17-0103	EA	80 Watt Solar Power Option (Whelen VSBC280).....	3,887.03	162.56
28 47 17 17-0104	EA	One Pair Of Whelen Approved Batteries For Vortex Series (Whelen BSETVOR).....	664.26	40.64
28 47 17 17-0105	EA	Program Charge For Custom VROM Message (Whelen VPROG).....	2,913.57	

**28 47 17 17-0106 Uni-Directional Rotating Speakers** (28 47 17 17)

28 47 17 17-0107	EA	118 dB, Uni-Directional Rotating Speaker (Whelen HORNET).....	12,768.04	711.19
28 47 17 17-0108	EA	One Way Contact Closure Activation Control Board (Whelen HAUXIN).....	211.61	27.10
28 47 17 17-0109	EA	Landline, One Way Control, 10 Digit DTMF (Whelen HD2030LL).....	510.58	27.10
28 47 17 17-0110	EA	VHF High-Narrow Band, One Way Control, 10 Digit DTMF (Whelen HD230NV).....	1,927.72	27.10
28 47 17 17-0111	EA	UHF Narrow-Band, One Way Control, 10 Digit DTMF (Whelen HD230NU).....	1,927.72	27.10
28 47 17 17-0112	EA	UHF Wide-Band, One Way Control, 10 Digit DTMF (Whelen HD230WU).....	1,742.55	27.10
28 47 17 17-0113	EA	VHF High-Wide Band, One Way Control, 10 Digit DTMF (Whelen HD230WV).....	1,688.08	27.10
28 47 17 17-0114	EA	Two-Tone Sequential Option For Hornet (Whelen HORTT).....	410.37	27.10
28 47 17 17-0115	EA	Two Way Contact Closure Activation And Status Control Board (Whelen HAUXCS).....	439.97	27.10
28 47 17 17-0116	EA	Landline, Two Way Control, 10 Digit DTMF (Whelen HC2030LL).....	465.69	27.10
28 47 17 17-0117	EA	VHF High-Narrow Band, Two Way Control, 10 Digit DTMF (Whelen HC230NV).....	2,112.90	27.10
28 47 17 17-0118	EA	UHF Narrow-Band, Two Way Control, 10 Digit DTMF (Whelen HC230NU).....	2,112.90	27.10
28 47 17 17-0119	EA	UHF, Two Way Control, 10 Digit DTMF (Whelen HC230WU).....	2,112.90	27.10
28 47 17 17-0120	EA	VHF High Band, Two Way Control, 10 Digit DTMF (Whelen HC230WV).....	2,112.90	27.10
28 47 17 17-0121	EA	Converts Siren Activation Controls To FSK Format (Whelen HFSKXMOD).....	753.49	27.10
28 47 17 17-0122	EA	LED Status Indicator (Whelen HSTATUS).....	330.08	27.10
28 47 17 17-0123	EA	Option For Paging Interface (Whelen HPGINT).....	291.89	27.10
28 47 17 17-0124	EA	Intrusion Alarm (Whelen HINTRU).....	182.00	27.10
28 47 17 17-0125	EA	Solar Power Option (Whelen HSBC280).....	3,887.03	162.56
28 47 17 17-0126	EA	Pole Top Bracket For Speaker (Whelen HPTB).....	463.35	27.10
28 47 17 17-0127	EA	One Pair Of Whelen Approved Batteries (Whelen BSETF).....	664.26	40.64

**28 47 17 17-0128 All Hazard In-Plant Personnel Warning System** (28 47 17 17)

28 47 17 17-0129	EA	400 Watt, Voice Capable, In-Plant Personnel Warning System (Whelen IPS400).....	6,352.49	866.99
28 47 17 17-0130	EA	800 Watt, Voice Capable, In-Plant Personnel Warning System (Whelen IPS800).....	7,712.97	975.37
28 47 17 17-0131	EA	15 Watt, Wide Angle Speaker (Whelen WS15T).....	301.84	40.64
28 47 17 17-0132	EA	Recess Mounted, 15 Watt Speaker (Whelen WS15TR).....	289.37	40.64
28 47 17 17-0133	EA	With Grill, Recess Mounted, 15 Watt Speaker (Whelen WS15TEN).....	538.78	40.64
28 47 17 17-0134	EA	30 Watt, Wide Angle Speaker (Whelen WS30T).....	372.77	40.64
28 47 17 17-0135	EA	60 Watt, Wide Angle Speaker (Whelen WS60T).....	737.52	40.64
28 47 17 17-0136	EA	Explosion-Proof, 60 Watt, Wide Angle Speaker (Whelen WSXPL6T).....	1,540.85	40.64
28 47 17 17-0137	EA	100 Watt, Wide Angle Speaker (Whelen WS100).....	475.65	40.64
28 47 17 17-0138	EA	Weatherproof Housing, 100 Watt, Wide Angle Speaker (Whelen WS100TCH).....	735.89	40.64
28 47 17 17-0139	EA	Intrusion Alarm For Whelen Outdoor Speaker Cabinets (Whelen INTRU).....	182.00	27.10

**28 47 17 17-0140 Firehouse Siren** (28 47 17 17)

28 47 17 17-0141	EA	Auxiliary Board Contact Closure (Whelen FAUXIN).....	211.61	27.10
28 47 17 17-0142	EA	Two-Tone Sequential Option (Whelen FTT).....	309.04	27.10
28 47 17 17-0143	EA	Auxiliary/Status Control Board (Whelen FAUXCS).....	593.37	27.10
28 47 17 17-0144	EA	Landline, 10 Digit DTMF (Whelen FC2030LL).....	465.69	27.10
28 47 17 17-0145	EA	VHF High-Narrow Band, 10 Digit DTMF (Whelen FC230NV).....	2,112.90	27.10
28 47 17 17-0146	EA	UHF Narrow-Band, 10 Digit DTMF (Whelen FC230NU).....	2,112.90	27.10
28 47 17 17-0147	EA	UHF, 10 Digit DTMF (Whelen FC230WU).....	2,112.90	27.10
28 47 17 17-0148	EA	VHF High Band, 10 Digit DTMF (Whelen FC230WV).....	2,112.90	27.10
28 47 17 17-0149	EA	Paging Interface Control Option (Whelen FPGINT).....	291.89	27.10
28 47 17 17-0150	EA	Intrusion Alarm Control Option (Whelen FINTRU).....	182.00	27.10
28 47 17 17-0151	EA	Solar Power Option (Whelen FSBC280).....	3,887.03	162.56
Note: Two 80 watt panels, with brackets and solar regulator.				

**28 47 17 17-0152 Alert Monitor And Message Display** (28 47 17 17)

28 47 17 17-0153	EA	Alert Monitor With Radio Receiver VHF High Band (Whelen V2000H).....	1,764.33	27.10
28 47 17 17-0154	EA	Alert Monitor VHF High-Narrow Band (Whelen V2000NH).....	1,764.33	27.10
28 47 17 17-0155	EA	Alert Monitor UHF Narrow-Band (Whelen V2000NU).....	1,764.33	27.10
28 47 17 17-0156	EA	Alert Monitor With Radio Receiver UHF (Whelen V2000U).....	1,764.33	27.10
28 47 17 17-0157	EA	Internal Battery And Charger For VA2000 Series (Whelen VA2BATT).....	195.85	40.64
28 47 17 17-0158	EA	Mounting Bracket For Under Cabinet Or Vehicle Mounting - VA2000 Series (Whelen VA2MTG).....	62.75	27.10
28 47 17 17-0159	EA	Factory Programming Of 1 To 15 VA2000 Display Messages (Whelen VA2PROGA).....	110.67	
28 47 17 17-0160	EA	Factory Programming Of 16 To 45 VA2000 Display Messages (Whelen VA2PROGB).....	173.80	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>28 47 17 17-0161</b>			<b>Portable Test Set</b> <small>(28 47 17 17)</small>		
28 47 17 17-0162	EA		VHF High Band, Portable Test Set (Whelen PT2010H).....	7,112.93	
28 47 17 17-0163	EA		VHF Low Band, Portable Test Set (Whelen PT2010L).....	7,112.93	
28 47 17 17-0164	EA		UHF, Portable Test Set (Whelen PT2010U).....	7,112.93	

<b>28 47 17 17-0165</b>			<b>Replacement Warning Lights</b> <small>(28 47 17 17)</small>		
28 47 17 17-0166	EA		Amber, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IA) .....	298.68	43.35
28 47 17 17-0167	EA		Blue, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IB) .....	298.68	43.35
28 47 17 17-0168	EA		Clear, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IC) .....	298.68	43.35
28 47 17 17-0169	EA		Green, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IG) .....	298.68	43.35
28 47 17 17-0170	EA		Red, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IR) .....	298.68	43.35
28 47 17 17-0171	EA		Amber, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IA).....	319.72	43.35
28 47 17 17-0172	EA		Blue, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IB).....	214.51	43.35
28 47 17 17-0173	EA		Clear, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IC) .....	316.61	43.35
28 47 17 17-0174	EA		Green, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IG).....	316.61	43.35
28 47 17 17-0175	EA		Red, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IR).....	316.61	43.35
28 47 17 17-0176	EA		Amber, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HA).....	298.68	43.35
28 47 17 17-0177	EA		Blue, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HB).....	298.68	43.35
28 47 17 17-0178	EA		Clear, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HC).....	298.68	43.35
28 47 17 17-0179	EA		Green, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HG).....	298.68	43.35
28 47 17 17-0180	EA		Red, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HR).....	298.68	43.35
28 47 17 17-0181	EA		Amber, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HA).....	332.19	43.35
28 47 17 17-0182	EA		Blue, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HB).....	332.19	43.35
28 47 17 17-0183	EA		Clear, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HC).....	222.30	43.35
28 47 17 17-0184	EA		Green, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HG).....	222.30	43.35
28 47 17 17-0185	EA		Red, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HR).....	222.30	43.35

<b>28 47 17 17-0186</b>			<b>Antenna</b> <small>(28 47 17 17)</small>		
28 47 17 17-0187	EA		50' Antenna Cable (Honeywell Ademco 7626-50HC).....	252.47	
28 47 17 17-0188	EA		External/Remote Weatherproof Antenna (Honeywell Ademco GSM-ANT3DB).....	231.54	
28 47 17 17-0189	EA		80GHz Millimeter Wave Radio (BridgeWave Flex4G-1000).....	12,230.67	

**28 49 Electronic Personal Protection Systems** (28 49)
**28 49 11 Electronic Personal Safety Detection Systems** (28 49)

<b>28 49 11 00-0001</b>			<b>Personnel Alarm Locating System</b> <small>(28 49 11)</small>		
			Note: Includes a central computer, 17" VGA color monitor, keyboard and mouse, personal alarm locating software, a printer, interface cards and panels, eighty (80) personal alarm transmitters with lithium batteries, eighty (80) lapel readers, two hundred fifty (250) IR locators, twenty one (21) repeaters and receivers, back boxes, cables.		
28 49 11 00-0002	EA		Personnel Alarm Locating System.....	19,362.69	869.99
			Note: Includes Pentium III central computer, 17" VGA color monitor, keyboard and mouse, personal alarm locating software, a printer, interface cards and panels.		
28 49 11 00-0003	EA		Personnel Alarm Transmitters With Lithium Batteries.....	152.73	
28 49 11 00-0004	EA		Lapel Reader.....	58.74	
28 49 11 00-0005	EA		IR Locator.....	217.85	32.57
28 49 11 00-0006	EA		Repeaters And Receivers.....	534.35	108.58

**28 49 17 Electronic Personal Safety Emergency Aid Devices** (28 49)

<b>28 49 17 00-0001</b>			<b>Electronic Personal Safety Emergency Aid Devices (Edwards Signaling)</b> <small>(28 49 17)</small>		
<b>28 49 17 00-0002</b>			<b>Call For Assistance Kits, Emergency Aid Devices (Edwards Signaling)</b> <small>(28 49 17 00-0001)</small>		
28 49 17 00-0003	EA		Pull Cord Call For Assistance Kit With Strobe/Buzzer, Emergency Aid Devices (Edwards Signaling 7008B-N5) .....	285.75	65.14
			Note: Includes 1 high intensity strobe/buzzer (7007B-N5) and 1 emergency pull cord station (6537).		
28 49 17 00-0004	EA		Push Button Call For Assistance Kit With Strobe/Horn, Emergency Aid Devices (Edwards Signaling 7005-G5).....	338.93	76.00
			Note: Includes 1 high intensity strobe/horn (6536-G5), 1 emergency pull cord station (6537), and 1 transformer 592.		
28 49 17 00-0005	EA		Pull Cord Call For Assistance Kit With Strobe/Horn, Emergency Aid Devices (Edwards Signaling 6538-G5).....	341.39	76.00
			Note: Includes 1 high intensity strobe/horn (6536-G5), 1 wall mounted push button (620/147-10), and 1 transformer 592.		
<b>28 49 17 00-0006</b>			<b>Audible/Visual Signaling Devices, Emergency Aid Devices (Edwards Signaling)</b> <small>(28 49 17 00-0001)</small>		
28 49 17 00-0007	EA		High Intensity Strobe/Buzzer, Emergency Aid Devices (Edwards Signaling 7007B-N5) .....	209.57	40.71
28 49 17 00-0008	EA		High Intensity Strobe/Horn, Emergency Aid Devices (Edwards Signaling 6536-G5).....	203.39	32.57
28 49 17 00-0009	EA		Transformer For High Intensity Strobe/Horns, Emergency Aid Devices (Edwards Signaling 592) .....	96.15	32.57
28 49 17 00-0010	EA		1 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-1N5).....	165.31	32.57
28 49 17 00-0011	EA		2 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-2N5).....	190.04	32.57
28 49 17 00-0012	EA		4 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-4G5).....	215.70	32.57
28 49 17 00-0013	EA		2 Lamp, Dome Station/Buzzer, Emergency Aid Devices (Edwards Signaling 7633-2).....	298.19	32.57
28 49 17 00-0014	EA		4 Lamp, Dome Station/Buzzer, Emergency Aid Devices (Edwards Signaling 7633-4).....	333.69	32.57

<b>28 49 17 00-0015</b>			<b>Call Activation Devices, Emergency Aid Devices (Edwards Signaling)</b> <small>(28 49 17 00-0001)</small>		
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**28 Electronic Safety and Security****28 40 Life Safety****28 49 Electronic Personal Protection Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 49 17 00-0016	EA		Double Pole Single Throw Switch, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 6537).....	127.18	32.57
28 49 17 00-0017	EA		Pushbutton Wall Station/Indicator Lamp With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7603E).....	186.13	32.57
28 49 17 00-0018	EA		Pushbutton Wall Station/Indicator Lamp With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7613E).....	243.04	32.57
28 49 17 00-0019	EA		3 Maintained Contacts, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7302).....	258.08	10.86
28 49 17 00-0020	EA		Bedside Wall Station Receptacle, Emergency Aid Devices (Edwards Signaling 7930).....	191.39	32.57
28 49 17 00-0021	EA		Bedside Wall Station Receptacle With Lamp, Emergency Aid Devices (Edwards Signaling 7930L).....	225.43	32.57
28 49 17 00-0022	EA		Locking Button, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7932L).....	380.52	32.57
28 49 17 00-0023	EA		Pendant Push Button, Emergency Aid Devices (Edwards Signaling 7620).....	182.03	32.57
28 49 17 00-0024	EA		Single 6' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7675).....	218.31	10.86
28 49 17 00-0025	EA		Double 6' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7676).....	337.09	10.86
28 49 17 00-0026	EA		Single 15' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7685).....	344.39	10.86
28 49 17 00-0027	EA		Double 15' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7686).....	453.47	10.86

**END OF SECTION 28**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 31 Earthwork

### 31 05 Common Work Results for Earthwork<sup>(31)</sup>

#### 31 05 13 Soils for Earthwork<sup>(31 05)</sup>

Note: Includes delivery up to 15 miles from the closest approved source and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

#### 31 05 13 00-0001 Fill Material (Loose, Purchased Material)<sup>(31 05 13)</sup>

Note: Includes delivery up to 15 miles from the closest approved source, loading and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

31 05 13 00-0002	CY Bank Run/Fill Sand.....	37.96
	For Up To 8, Add	7.59
	For >8 To 16, Add	3.80
	For >48 To 64, Deduct	-2.70
	For >64 To 96, Deduct	-4.60
	For >96, Deduct	-6.50
31 05 13 00-0003	CY Screened/Washed Filter/Septic Sand.....	45.52
	For Up To 8, Add	9.10
	For >8 To 16, Add	4.55
	For >48 To 64, Deduct	-3.08
	For >64 To 96, Deduct	-5.35
	For >96, Deduct	-7.63
31 05 13 00-0004	CY 3/8" Minus, ASTM C33, Screened/Washed Bedding Sand.....	63.66
	For Up To 8, Add	12.73
	For >8 To 16, Add	6.37
	For >48 To 64, Deduct	-3.99
	For >64 To 96, Deduct	-7.17
	For >96, Deduct	-10.35
31 05 13 00-0005	CY 3/16" Minus, Screened/Washed Concrete Sand.....	56.86
	For Up To 8, Add	11.37
	For >8 To 16, Add	5.69
	For >48 To 64, Deduct	-3.65
	For >64 To 96, Deduct	-6.49
	For >96, Deduct	-9.33
31 05 13 00-0006	CY 3/32" Minus, Screened/Washed Masonry/Mortar Sand.....	103.71
	For Up To 8, Add	20.74
	For >8 To 16, Add	10.37
	For >48 To 64, Deduct	-5.99
	For >64 To 96, Deduct	-11.17
	For >96, Deduct	-16.36
31 05 13 00-0007	CY Common Fill, Native Soil/Dirt.....	47.79
	For Up To 8, Add	9.56
	For >8 To 16, Add	4.78
	For >48 To 64, Deduct	-3.19
	For >64 To 96, Deduct	-5.58
	For >96, Deduct	-7.97
31 05 13 00-0008	CY Crushed Lime Rock Maximum 3-1/2".....	43.03
	For Up To 8, Add	8.61
	For >8 To 16, Add	4.30
	For >48 To 64, Deduct	-2.95
	For >64 To 96, Deduct	-5.11
	For >96, Deduct	-7.26
31 05 13 00-0009	CY Asphalt Sand.....	43.39
	For Up To 8, Add	8.68
	For >8 To 16, Add	4.34
	For >48 To 64, Deduct	-2.97
	For >64 To 96, Deduct	-5.14
	For >96, Deduct	-7.31
31 05 13 00-0010	CY Sand/Clay.....	45.27
	For Up To 8, Add	9.05
	For >8 To 16, Add	4.53
	For >48 To 64, Deduct	-3.07
	For >64 To 96, Deduct	-5.33
	For >96, Deduct	-7.59
31 05 13 00-0011	CY Recycled Concrete Aggregate.....	38.34
	For Up To 8, Add	7.67
	For >8 To 16, Add	3.83
	For >48 To 64, Deduct	-2.72
	For >64 To 96, Deduct	-4.64
	For >96, Deduct	-6.55
31 05 13 00-0012	CY Sand Fill, Washed Aggregate.....	60.83
	For Up To 8, Add	12.17
	For >8 To 16, Add	6.08
	For >48 To 64, Deduct	-3.84
	For >64 To 96, Deduct	-6.89
	For >96, Deduct	-9.93
31 05 13 00-0013	CY Pond Sand.....	28.78
	For Up To 8, Add	5.76
	For >8 To 16, Add	2.88
	For >48 To 64, Deduct	-2.24
	For >64 To 96, Deduct	-3.68
	For >96, Deduct	-5.12

#### 31 05 16 Aggregates for Earthwork<sup>(31 05)</sup>

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

**31 Earthwork****31 05 Common Work Results for Earthwork****31 05 16 Aggregates for Earthwork**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

31 05 16 00-0001		Aggregate (Loose, Purchased Material) <small>(31 05 16)</small>	
		Note: Includes delivery up to 15 miles from the closest approved source, loading and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.	
31 05 16 00-0002	CY #2 Stone Aggregate Fill (1-1/2" To 2-1/2" Clean)	58.37	
	For Up To 8, Add	11.67	
	For >8 To 16, Add	5.84	
	For >48 To 64, Deduct	-3.72	
	For >64 To 96, Deduct	-6.64	
	For >96, Deduct	-9.56	
31 05 16 00-0003	CY #3 Stone Aggregate Fill (1" To 2" Clean)	60.84	
	For Up To 8, Add	12.17	
	For >8 To 16, Add	6.08	
	For >48 To 64, Deduct	-3.84	
	For >64 To 96, Deduct	-6.89	
	For >96, Deduct	-9.93	
31 05 16 00-0004	CY #4 Stone Aggregate Fill (3/4" To 1-1/2" Clean)	58.37	
	For Up To 8, Add	11.67	
	For >8 To 16, Add	5.84	
	For >48 To 64, Deduct	-3.72	
	For >64 To 96, Deduct	-6.64	
	For >96, Deduct	-9.56	
31 05 16 00-0005	CY #5 Stone Aggregate Fill (1/2" To 1" Clean)	62.64	
	For Up To 8, Add	12.53	
	For >8 To 16, Add	6.26	
	For >48 To 64, Deduct	-3.93	
	For >64 To 96, Deduct	-7.07	
	For >96, Deduct	-10.20	
31 05 16 00-0006	CY #6 Stone Aggregate Fill (3/8" To 3/4" Clean)	65.17	
	For Up To 8, Add	13.03	
	For >8 To 16, Add	6.52	
	For >48 To 64, Deduct	-4.06	
	For >64 To 96, Deduct	-7.32	
	For >96, Deduct	-10.58	
31 05 16 00-0007	CY #56 Stone Aggregate Fill (3/8" To 1")	63.04	
	For Up To 8, Add	12.61	
	For >8 To 16, Add	6.30	
	For >48 To 64, Deduct	-3.95	
	For >64 To 96, Deduct	-7.11	
	For >96, Deduct	-10.26	
31 05 16 00-0008	CY #57 Stone Aggregate Fill (3/8" To 1")	67.43	
	For Up To 8, Add	13.49	
	For >8 To 16, Add	6.74	
	For >48 To 64, Deduct	-4.17	
	For >64 To 96, Deduct	-7.55	
	For >96, Deduct	-10.92	
31 05 16 00-0009	CY #67 Or #68 Stone Aggregate Fill (3/16" To 3/4")	60.71	
	For Up To 8, Add	12.14	
	For >8 To 16, Add	6.07	
	For >48 To 64, Deduct	-3.84	
	For >64 To 96, Deduct	-6.87	
	For >96, Deduct	-9.91	
31 05 16 00-0010	CY #7 Stone Aggregate Fill (3/8" To 1/2")	61.93	
	For Up To 8, Add	12.39	
	For >8 To 16, Add	6.19	
	For >48 To 64, Deduct	-3.90	
	For >64 To 96, Deduct	-7.00	
	For >96, Deduct	-10.09	
31 05 16 00-0011	CY #78 Stone Aggregate Fill (3/32" To 1/2")	62.46	
	For Up To 8, Add	12.49	
	For >8 To 16, Add	6.25	
	For >48 To 64, Deduct	-3.93	
	For >64 To 96, Deduct	-7.05	
	For >96, Deduct	-10.17	
31 05 16 00-0012	CY #8 Stone Aggregate Fill (3/32" To 3/8")	65.17	
	For Up To 8, Add	13.03	
	For >8 To 16, Add	6.52	
	For >48 To 64, Deduct	-4.06	
	For >64 To 96, Deduct	-7.32	
	For >96, Deduct	-10.58	
31 05 16 00-0013	CY #89 Stone Aggregate Fill (1/16" To 3/8")	65.92	
	For Up To 8, Add	13.18	
	For >8 To 16, Add	6.59	
	For >48 To 64, Deduct	-4.10	
	For >64 To 96, Deduct	-7.39	
	For >96, Deduct	-10.69	
31 05 16 00-0014	CY #9 Stone Aggregate Fill (3/32" To 3/16")	65.17	
	For Up To 8, Add	13.03	
	For >8 To 16, Add	6.52	
	For >48 To 64, Deduct	-4.06	
	For >64 To 96, Deduct	-7.32	
	For >96, Deduct	-10.58	
31 05 16 00-0015	CY #10 Stone Aggregate Fill (1/16" To 3/16")	66.72	
	For Up To 8, Add	13.34	
	For >8 To 16, Add	6.67	
	For >48 To 64, Deduct	-4.14	
	For >64 To 96, Deduct	-7.47	
	For >96, Deduct	-10.81	



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 05 16 00-0016	CY #610 Modified Stone Aggregate Fill (1/16" To 3/4").....	65.92	
	For Up To 8, Add	13.18	
	For >8 To 16, Add	6.59	
	For >48 To 64, Deduct	-4.10	
	For >64 To 96, Deduct	-7.39	
	For >96, Deduct	-10.69	
31 05 16 00-0017	CY Screenings Stone Aggregate Fill (3/16" Max) .....	54.89	
	For Up To 8, Add	10.98	
	For >8 To 16, Add	5.49	
	For >48 To 64, Deduct	-3.55	
	For >64 To 96, Deduct	-6.29	
	For >96, Deduct	-9.04	
31 05 16 00-0018	CY Over 6" To 12" Stone Aggregate Fill, Random Size .....	59.88	
	For Up To 8, Add	11.98	
	For >8 To 16, Add	5.99	
	For >48 To 64, Deduct	-3.80	
	For >64 To 96, Deduct	-6.79	
	For >96, Deduct	-9.78	
31 05 16 00-0019	CY Over 6" To 12" Graded Stone Aggregate Fill .....	59.88	
	For Up To 8, Add	11.98	
	For >8 To 16, Add	5.99	
	For >48 To 64, Deduct	-3.80	
	For >64 To 96, Deduct	-6.79	
	For >96, Deduct	-9.78	
31 05 16 00-0020	CY 3" To 7" Surge Stone Aggregate Fill, Random Size.....	64.87	
	For Up To 8, Add	12.97	
	For >8 To 16, Add	6.49	
	For >48 To 64, Deduct	-4.05	
	For >64 To 96, Deduct	-7.29	
	For >96, Deduct	-10.53	
31 05 16 00-0021	CY 3" To 7" Surge Stone Graded Aggregate Fill .....	68.42	
	For Up To 8, Add	13.68	
	For >8 To 16, Add	6.84	
	For >48 To 64, Deduct	-4.22	
	For >64 To 96, Deduct	-7.64	
	For >96, Deduct	-11.07	
31 05 16 00-0022	CY Crusher Run Aggregate Fill (2-1/2" Minus) .....	37.53	
	For Up To 8, Add	7.51	
	For >8 To 16, Add	3.75	
	For >48 To 64, Deduct	-2.68	
	For >64 To 96, Deduct	-4.56	
	For >96, Deduct	-6.43	
31 05 16 00-0023	CY Crusher Run Aggregate Fill (1-1/2" Minus) .....	41.44	
	For Up To 8, Add	8.29	
	For >8 To 16, Add	4.14	
	For >48 To 64, Deduct	-2.87	
	For >64 To 96, Deduct	-4.95	
	For >96, Deduct	-7.02	
31 05 16 00-0024	CY Crusher Run Aggregate Fill (3/4" Minus) .....	38.90	
	For Up To 8, Add	7.78	
	For >8 To 16, Add	3.89	
	For >48 To 64, Deduct	-2.75	
	For >64 To 96, Deduct	-4.69	
	For >96, Deduct	-6.64	

31 05 36 Equipment Delivery, Pickup, Mobilization and Demobilization<sup>(31)</sup>

<sup>(05)</sup> See CSI section 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.

31 10 Site Clearing<sup>(31)</sup>

31 11 Clearing and Grubbing<sup>(31 10)</sup>

31 11 00 00-0001 Clear And Grub Roots And Stumps<sup>(31 11)</sup>

Note: Tree diameter (diameter at breast height) is the diameter of the tree trunk measured at 4.5' above ground level. Based on tree density (light, medium or heavy) to be removed. Excludes loading. See CSI section 31 13 13 00-0001 for small areas or individual trees removal.

31 11 00 00-0002	ACR Clear And Grub Light Trees Up To 6" Diameter, Cut And Chip .....	7,918.03	
	Note: Includes grub and removal of stump		
31 11 00 00-0003	ACR Clear And Grub Light Stumps Only Up To 6" Diameter .....	2,123.07	
31 11 00 00-0004	ACR Clear And Grub Medium Trees Up To 10" Diameter, Cut And Chip .....	9,237.71	
	Note: Includes grub and removal of stump		
31 11 00 00-0005	ACR Clear And Grub Medium Stumps Only Up To 10" Diameter .....	3,538.44	
31 11 00 00-0006	ACR Clear And Grub Heavy Trees Up To 16" Diameter, Cut And Chip .....	10,497.40	
	Note: Includes grub and removal of stump		
31 11 00 00-0007	ACR Clear And Grub Heavy Stumps Only Up To 16" Diameter .....	4,021.44	
31 11 00 00-0008	ACR Clearing By Machine - Light Brush Without Grub .....	307.08	
31 11 00 00-0009	ACR Clearing By Machine - Medium Brush Without Grub .....	647.82	
31 11 00 00-0010	ACR Clearing By Machine - Heavy Brush Without Grub .....	916.12	
31 11 00 00-0011	ACR Chipping - Light Brush .....	2,463.83	
31 11 00 00-0012	ACR Chipping - Medium Brush .....	3,167.94	
31 11 00 00-0013	ACR Chipping - Heavy Brush .....	4,435.52	

31 11 00 00-0014 Loading Of Cleared And Grubbed Material<sup>(31 11)</sup>

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

31 11 00 00-0015	CY Machine Loading Of Cleared And Grubbed Material .....	10.90	
31 11 00 00-0016	CY Chute Loading Of Cleared And Grubbed Material .....	13.08	

**31 Earthwork****31 10 Site Clearing****31 11 Clearing and Grubbing**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

31 11 00 00-0017	CY	Hand Loading Of Cleared And Grubbed Material .....	36.06
31 11 00 00-0018	CY	Wheel And Ramp Loading Of Cleared And Grubbed Material.....	28.34

**31 13 Selective Tree and Shrub Removal and Trimming** (31 10)**31 13 13 Selective Tree and Shrub Removal** (31 13)**31 13 13 00-0001 Individual Tree Removal** (31 13 13)

Note: Includes sawing and chipping branches. Tree diameter, D.B.H. (Diameter At Breast Height) is the diameter of the tree trunk measured at 4.5' above ground elevation. Excludes stump removal or grinding.

31 13 13 00-0002	EA	Up To 6" D.B.H. (Diameter At Breast Height) Tree Removal .....	577.35
31 13 13 00-0003	EA	>6" To 12" D.B.H. (Diameter At Breast Height) Tree Removal .....	866.04
31 13 13 00-0004	EA	>12" To 24" D.B.H. (Diameter At Breast Height) Tree Removal .....	1,154.72
31 13 13 00-0005	EA	>24" To 36" D.B.H. (Diameter At Breast Height) Tree Removal .....	1,732.07
31 13 13 00-0006	EA	>36" To 48" D.B.H. (Diameter At Breast Height) Tree Removal .....	2,309.43

**31 13 13 00-0007 Stump Removal** (31 13 13)

Note: Measured by diameter of stump.

**31 13 13 00-0008 Stump Removal By Machine** (31 13 13 00-0007)

31 13 13 00-0009	EA	Up To 6" Diameter Stump Removal .....	106.15
31 13 13 00-0010	EA	>6" To 12" Diameter Stump Removal .....	203.46
31 13 13 00-0011	EA	>12" To 24" Diameter Stump Removal .....	265.39
31 13 13 00-0012	EA	>24" To 36" Diameter Stump Removal .....	398.08
31 13 13 00-0013	EA	>36" To 48" Diameter Stump Removal .....	468.88

**31 13 13 00-0014 Stump Removal By Hand** (31 13 13 00-0007)

31 13 13 00-0015	EA	Up To 6" Diameter Stump Removal By Hand .....	599.65
31 13 13 00-0016	EA	>6" To 12" Diameter Stump Removal By Hand .....	749.57
31 13 13 00-0017	EA	>12" To 24" Diameter Stump Removal By Hand .....	1,099.37
31 13 13 00-0018	EA	>24" To 36" Diameter Stump Removal By Hand .....	1,499.13
31 13 13 00-0019	EA	>36" To 48" Diameter Stump Removal By Hand .....	1,998.85

**31 13 13 00-0020 Stump Grinding** (31 13 13)

Note: Measured by diameter of stump.

**31 13 13 00-0021 Stump Grinding, 18" Deep Below Surface Of Soil** (31 13 13 00-0020)

Note: Level soil to match existing surface area.

31 13 13 00-0022	EA	Stump Grinding Up To 6" Tree.....	107.08
		<i>For 24" Depth, Add</i>	21.42
31 13 13 00-0023	EA	Stump Grinding >6" To 12" Tree .....	142.77
		<i>For 24" Depth, Add</i>	28.55
31 13 13 00-0024	EA	Stump Grinding >12" To 15" Tree.....	160.62
		<i>For 24" Depth, Add</i>	32.12
31 13 13 00-0025	EA	Stump Grinding >15" To 18" Tree.....	178.46
		<i>For 24" Depth, Add</i>	35.69
31 13 13 00-0026	EA	Stump Grinding >18" To 21" Tree.....	191.85
		<i>For 24" Depth, Add</i>	38.37
31 13 13 00-0027	EA	Stump Grinding >21" To 24" Tree.....	205.23
		<i>For 24" Depth, Add</i>	41.05
31 13 13 00-0028	EA	Stump Grinding >24" To 27" Tree.....	223.07
		<i>For 24" Depth, Add</i>	44.61
31 13 13 00-0029	EA	Stump Grinding >27" To 30" Tree.....	242.35
		<i>For 24" Depth, Add</i>	48.47
31 13 13 00-0030	EA	Stump Grinding >30" To 33" Tree.....	269.27
		<i>For 24" Depth, Add</i>	53.85
31 13 13 00-0031	EA	Stump Grinding >33" To 36" Tree.....	287.23
		<i>For 24" Depth, Add</i>	57.45
31 13 13 00-0032	EA	Stump Grinding >36" To 42" Tree.....	323.13
		<i>For 24" Depth, Add</i>	64.63
31 13 13 00-0033	EA	Stump Grinding >42" To 48" Tree.....	359.03
		<i>For 24" Depth, Add</i>	71.81

**31 13 13 00-0034 Shrub Removal** (31 13 13)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 13 13 00-0035	EA		Removal Of 18" To 24" Shrub, Broadleaf Evergreen.....	43.18	
31 13 13 00-0036	EA		Removal Of 2' To 3' Shrub, Broadleaf Evergreen.....	67.72	
31 13 13 00-0037	EA		Removal Of 3' To 4' Shrub, Broadleaf Evergreen.....	78.51	
31 13 13 00-0038	EA		Removal Of 4' To 5' Shrub, Broadleaf Evergreen.....	117.76	
31 13 13 00-0039	EA		Removal Of 12" To 15" Shrub, Deciduous.....	21.59	
31 13 13 00-0040	EA		Removal Of 18" To 24" Shrub, Deciduous.....	33.37	
31 13 13 00-0041	EA		Removal Of 2' To 3' Shrub, Deciduous.....	43.18	
31 13 13 00-0042	EA		Removal Of 3' To 4' Shrub, Deciduous.....	47.11	
31 13 13 00-0043	EA		Removal Of 18" To 24" Shrub, Evergreen.....	43.17	
31 13 13 00-0044	EA		Removal Of 24" To 30" Shrub, Evergreen.....	47.11	
31 13 13 00-0045	EA		Removal Of 30" To 36" Shrub, Evergreen.....	67.72	
31 13 13 00-0046	EA		Removal Of 36" To 42" Shrub, Evergreen.....	117.76	

### 31 13 16 Selective Tree and Shrub Trimming <sup>(31 13)</sup>

31 13 16 00-0001			<b>Tree Trimming For Pole Line Construction And Maintenance</b> <sup>(31 13 16)</sup>		
			Note: Area to be vertical cleared (including overhanging limbs) is minimum 20' wide (10' each side of structure) and 16' above ground. All materials to 6" D.B.H. (Diameter At Breast Height) to be chipped in place. Larger material may be chipped or disposed. Trees greater than 18" diameter use individual tree removal tasks. Quantity based on running foot of power line to be cleared.		
31 13 16 00-0002	LF		Tree Trimming, Light Cutting To 6" Diameter For Pole Line Construction.....	1.85	
31 13 16 00-0003	LF		Tree Trimming, Medium Cutting >6" To 12" Diameter For Pole Line Construction.....	2.78	
31 13 16 00-0004	LF		Tree Trimming, Heavy Cutting >12" To 18" Diameter For Pole Line Construction.....	3.27	

### 31 20 Earth Moving <sup>(31)</sup>

Note: Per OSHA - Soil Classification - 1926 Subpart P App A. Light material: Class A site material, normally referred to as "easy digging". Consisting of loose, soft, free running materials. Close lying, which will fill blade, digger or bucket to capacity, and frequently provide a heaped load. Materials such as dry sand, small gravel, unpacked earth, loam, etc., would fall into this category. Medium material: Class B site material, normally referred to as "medium and tough, wet and sticky clay would be examples of this medium digging", consisting of harder materials that are not difficult to dig without assistance such as ripping, blasting, etc. Material break up with some bulkiness causing voids in digger or bucket. Materials such as packed earth, common earth with some clay, soil with less than 25% rock content would be examples of this category. Heavy/wet material: Class C site material, normally referred to as "hard digging", consisting of materials which may require some assistance in breaking up. Bulky and somewhat hard to penetrate materials would be found in this category and voids in dipper or bucket would be common. Materials such as very hard packed soil, with up to 50% to 70% rock content and hard category. Soil conditions will be determined by soil analysis to provide appropriate percentage (%) for the various types of soil conditions. Apply the percentages to the various soil types to generate an appropriate representation of the soil condition.

### 31 23 Excavation and Fill <sup>(31 20)</sup>

#### 31 23 16 Excavation <sup>(31 23)</sup>

##### 31 23 16 13 Trenching <sup>(31 23 16)</sup>

Note: Use this section for trenching operations even if the total project volume exceeds 500 CY. Use tasks for work by hand only for areas not accessible by machine.

##### 31 23 16 13-0001 Excavation For Trenching By Machine <sup>(31 23 16 13)</sup>

Note: Includes stockpiling excess materials and trimming sides and bottom of trench.

31 23 16 13-0002	CY		12" Wide or Less, Excavation for Trenching by Machine in Soil.....	10.59	
			<i>For Excavation In Light Material (Class A), Deduct</i>	-1.32	
			<i>For Excavation In Heavy/Wet Material (Class C), Add</i>	4.24	
			<i>For Up To 20, Add</i>	8.47	
			<i>For &gt;20 To 50, Add</i>	5.30	
			<i>For &gt;50 To 250, Add</i>	2.65	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.59	
			<i>For &gt;1,000, Deduct</i>	-3.18	
31 23 16 13-0003	CY		Over 12" Wide, Excavation for Trenching by Machine in Soil.....	7.03	
			<i>For Excavation In Light Material (Class A), Deduct</i>	-0.88	
			<i>For Excavation In Heavy/Wet Material (Class C), Add</i>	2.81	
			<i>For Up To 20, Add</i>	5.62	
			<i>For &gt;20 To 50, Add</i>	3.52	
			<i>For &gt;50 To 250, Add</i>	1.76	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.05	
			<i>For &gt;1,000, Deduct</i>	-2.11	
31 23 16 13-0004	CY		12" Wide or Less, Excavation for Trenching by Machine in Loose Rock.....	17.53	
			Note: Includes compacted aggregate		
			<i>For Up To 20, Add</i>	14.02	
			<i>For &gt;20 To 50, Add</i>	8.77	
			<i>For &gt;50 To 250, Add</i>	4.38	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.63	
			<i>For &gt;1,000, Deduct</i>	-5.26	
31 23 16 13-0005	CY		Over 12" Wide, Excavation for Trenching by Machine in Loose Rock.....	12.48	
			Note: Includes compacted aggregate		
			<i>For Up To 20, Add</i>	9.98	
			<i>For &gt;20 To 50, Add</i>	6.24	
			<i>For &gt;50 To 250, Add</i>	3.12	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.87	
			<i>For &gt;1,000, Deduct</i>	-3.74	

##### 31 23 16 13-0006 Direct Burial (Plowed-in) Cable Or Piping By Machine <sup>(31 23 16 13)</sup>

Note: Includes trench, backfill, compaction and restoration of final grade.

31 23 16 13-0007	LF		Direct Burial of Cable or Piping up to 12" Deep.....	2.37	
31 23 16 13-0008	LF		Direct Burial of Cable or Piping >12" to 24" Deep.....	2.61	
31 23 16 13-0009	LF		Direct Burial of Cable or Piping >24" to 36" Deep.....	3.72	
31 23 16 13-0010	LF		Direct Burial of Cable or Piping >36" to 48" Deep.....	4.20	

**31 Earthwork****31 20 Earth Moving****31 23 Excavation and Fill**
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<b>31 23 16 13-0011</b>	<b>Excavation For Trenching By Hand</b> <small>(31 23 16 13)</small>	
31 23 16 13-0012	CY Excavation For Trenching By Hand In Soil .....	119.00
	Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	
31 23 16 13-0013	CY Excavation For Trenching By Hand In Loose Rock Or Compacted Aggregate.....	204.14
	Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	
<b>31 23 16 13-0014</b>	<b>Backfilling Or Placing Subbase For Trenches</b> <small>(31 23 16 13)</small>	
	Note: With imported or stockpiled materials.	
31 23 16 13-0015	CY Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Machine.....	3.82
	For Up To 20, Add	3.06
	For >20 To 50, Add	1.91
	For >50 To 250, Add	0.96
	For >500 To 1,000, Deduct	-0.57
	For >1,000, Deduct	-1.15
31 23 16 13-0016	CY Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Hand.....	33.06
<b>31 23 16 13-0017</b>	<b>Compaction Of Fill Or Subbase For Trenches</b> <small>(31 23 16 13)</small>	
	Note: Includes restoration of final grade.	
31 23 16 13-0018	CY Compaction of Fill or Subbase for Trenches by Vibratory Plate, Air Tamper, Etcetera.....	6.92
	For Up To 20, Add	5.54
	For >20 To 50, Add	3.46
	For >50 To 250, Add	1.73
	For >500 To 1,000, Deduct	-1.04
	For >1,000, Deduct	-2.08
31 23 16 13-0019	CY Compaction of Fill or Subbase for Trenches by Hand.....	37.29
<b>31 23 16 13-0020</b>	<b>Loading Excess Material For Removal From Excavation For Trenches</b> <small>(31 23 16 13)</small>	
	Note: Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling. See CSI section 01 74 19 00-0039 for hauling.	
31 23 16 13-0021	CY Load Excess Material by Machine for Removal from Excavation for Trenching .....	6.65
	For Up To 20, Add	5.32
	For >20 To 50, Add	3.33
	For >50 To 250, Add	1.66
	For >500 To 1,000, Deduct	-1.00
	For >1,000, Deduct	-2.00
31 23 16 13-0022	CY Load Excess Material by Hand for Removal from Excavation for Trenching .....	87.26
<b>31 23 16 13-0023</b>	<b>Spread Excess Or Imported Material For Trenches</b> <small>(31 23 16 13)</small>	
	Note: Includes hand work by laborer for clean-up.	
31 23 16 13-0024	CY Spread Excess Or Imported Material On Site With Machine .....	3.15
	For Up To 20, Add	2.52
	For >20 To 50, Add	1.58
	For >50 To 250, Add	0.79
	For >500 To 1,000, Deduct	-0.47
	For >1,000, Deduct	-0.95
<b>31 23 16 13-0025</b>	<b>Utility Chain Trencher</b> <small>(31 23 16 13)</small>	
<b>31 23 16 13-0026</b>	<b>Utility Trench, Chain Trencher</b> <small>(31 23 16 13-0025)</small>	
	Note: Earth left adjacent to trench.	
31 23 16 13-0027	LF 4" Wide, 12" Deep Trench, Medium Soil, Chain Trencher .....	1.28
	For >100 To 250, Deduct	-0.09
	For >250 To 500, Deduct	-0.19
	For >500, Deduct	-0.38
31 23 16 13-0028	LF 4" Wide, 18" Deep Trench, Medium Soil, Chain Trencher .....	1.40
	For >100 To 250, Deduct	-0.10
	For >250 To 500, Deduct	-0.21
	For >500, Deduct	-0.42
31 23 16 13-0029	LF 4" Wide, 24" Deep Trench, Medium Soil, Chain Trencher .....	1.45
	For >100 To 250, Deduct	-0.10
	For >250 To 500, Deduct	-0.22
	For >500, Deduct	-0.44
31 23 16 13-0030	LF 6" Wide, 12" Deep Trench, Medium Soil, Chain Trencher .....	1.53
	For >100 To 250, Deduct	-0.11
	For >250 To 500, Deduct	-0.23
	For >500, Deduct	-0.46
31 23 16 13-0031	LF 6" Wide, 18" Deep Trench, Medium Soil, Chain Trencher .....	1.68
	For >100 To 250, Deduct	-0.12
	For >250 To 500, Deduct	-0.25
	For >500, Deduct	-0.50
31 23 16 13-0032	LF 6" Wide, 24" Deep Trench, Medium Soil, Chain Trencher .....	1.92
	For >100 To 250, Deduct	-0.13
	For >250 To 500, Deduct	-0.29
	For >500, Deduct	-0.58
31 23 16 13-0033	LF 6" Wide, 36" Deep Trench, Medium Soil, Chain Trencher .....	2.29
	For >100 To 250, Deduct	-0.16
	For >250 To 500, Deduct	-0.34
	For >500, Deduct	-0.69
31 23 16 13-0034	LF 8" Wide, 12" Deep Trench, Medium Soil, Chain Trencher .....	2.17
	For >100 To 250, Deduct	-0.15
	For >250 To 500, Deduct	-0.33
	For >500, Deduct	-0.65

MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

31 23 16 13-0035	LF 8" Wide, 18" Deep Trench, Medium Soil, Chain Trencher.....	2.55	
	For >100 To 250, Deduct	-0.18	
	For >250 To 500, Deduct	-0.38	
	For >500, Deduct	-0.77	
31 23 16 13-0036	LF 8" Wide, 24" Deep Trench, Medium Soil, Chain Trencher.....	2.90	
	For >100 To 250, Deduct	-0.20	
	For >250 To 500, Deduct	-0.44	
	For >500, Deduct	-0.87	
31 23 16 13-0037	LF 8" Wide, 36" Deep Trench, Medium Soil, Chain Trencher.....	3.44	
	For >100 To 250, Deduct	-0.24	
	For >250 To 500, Deduct	-0.52	
	For >500, Deduct	-1.03	

**31 23 16 13-0038 Backfill Trenches With Compaction** (31 23 16 13-0025)

31 23 16 13-0039	LF Backfill 4" Wide, 12" Deep Trench, With Compaction.....	0.20	
	For >100 To 250, Deduct	-0.01	
	For >250 To 500, Deduct	-0.03	
	For >500, Deduct	-0.06	
31 23 16 13-0040	LF Backfill 4" Wide, 18" Deep Trench, With Compaction.....	0.31	
	For >100 To 250, Deduct	-0.02	
	For >250 To 500, Deduct	-0.05	
	For >500, Deduct	-0.09	
31 23 16 13-0041	LF Backfill 4" Wide, 24" Deep Trench, With Compaction.....	0.41	
	For >100 To 250, Deduct	-0.03	
	For >250 To 500, Deduct	-0.06	
	For >500, Deduct	-0.12	
31 23 16 13-0042	LF Backfill 6" Wide, 12" Deep Trench, With Compaction.....	0.31	
	For >100 To 250, Deduct	-0.02	
	For >250 To 500, Deduct	-0.05	
	For >500, Deduct	-0.09	
31 23 16 13-0043	LF Backfill 6" Wide, 18" Deep Trench, With Compaction.....	0.41	
	For >100 To 250, Deduct	-0.03	
	For >250 To 500, Deduct	-0.06	
	For >500, Deduct	-0.12	
31 23 16 13-0044	LF Backfill 6" Wide, 24" Deep Trench, With Compaction.....	0.63	
	For >100 To 250, Deduct	-0.04	
	For >250 To 500, Deduct	-0.09	
	For >500, Deduct	-0.19	
31 23 16 13-0045	LF Backfill 6" Wide, 36" Deep Trench, With Compaction.....	0.89	
	For >100 To 250, Deduct	-0.06	
	For >250 To 500, Deduct	-0.13	
	For >500, Deduct	-0.27	
31 23 16 13-0046	LF Backfill 8" Wide, 12" Deep Trench, With Compaction.....	0.41	
	For >100 To 250, Deduct	-0.03	
	For >250 To 500, Deduct	-0.06	
	For >500, Deduct	-0.12	
31 23 16 13-0047	LF Backfill 8" Wide, 18" Deep Trench, With Compaction.....	0.63	
	For >100 To 250, Deduct	-0.04	
	For >250 To 500, Deduct	-0.09	
	For >500, Deduct	-0.19	
31 23 16 13-0048	LF Backfill 8" Wide, 24" Deep Trench, With Compaction.....	0.83	
	For >100 To 250, Deduct	-0.06	
	For >250 To 500, Deduct	-0.12	
	For >500, Deduct	-0.25	
31 23 16 13-0049	LF Backfill 8" Wide, 36" Deep Trench, With Compaction.....	1.24	
	For >100 To 250, Deduct	-0.09	
	For >250 To 500, Deduct	-0.19	
	For >500, Deduct	-0.37	

**31 23 16 26 Rock Removal** (31 23 16)

**31 23 16 26-0001 Rock Breaking By Machine** (31 23 16 26)

Note: Excludes excavation of broken-up rock.

31 23 16 26-0002	CY Rock Breaking By Machine, Soft Sedimentary Rocks (Shale, Sandstone, Limestone).....	28.04	
31 23 16 26-0003	CY Rock Breaking By Machine, Medium Metamorphic Rock (Slate).....	29.90	
31 23 16 26-0004	CY Rock Breaking By Machine, Hard Igneous Rock (Granite, Basalt).....	35.51	

**31 23 16 33 Bulk Excavation** (31 23 16)

Note: For excavations where the total quantity for a project is greater than 500 cubic yards. See CSI section 31 05 16 00-0000 for imported material, 31 23 16 36-0000 for For less than 500 CY excavation.

**31 23 16 33-0001 Excavation** (31 23 16 33)

Note: For bulk excavation. Includes stockpiling excavated materials within 100' of point of excavation.

31 23 16 33-0002	CY Bulk Excavation by Dozer in Soil.....	9.84	
	For Excavation In Light Material (Class A), Deduct	-1.23	
	For Excavation In Heavy/Wet Material (Class C), Add	3.94	
	For >1,000, Deduct	-1.48	
31 23 16 33-0003	CY Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Soil.....	5.67	
	For Excavation In Light Material (Class A), Deduct	-0.71	
	For Excavation In Heavy/Wet Material (Class C), Add	2.27	
	For >1,000, Deduct	-0.85	
31 23 16 33-0004	CY Bulk Excavation by Dozer in Loose Rock.....	12.12	
	Note: Includes compacted aggregate		
	For >1,000, Deduct	-1.82	
31 23 16 33-0005	CY Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Loose Rock.....	6.97	
	Note: Includes compacted aggregate		
	For >1,000, Deduct	-1.05	

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 MINOR  
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 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

31 23 16 33-0006	<b>Spreading, Shaping And Rough Grading</b> <small>(31 23 16 33)</small>		
	Note: Imported or stockpiled material for bulk excavation.		
31 23 16 33-0007	CY Spreading, Shaping, and Rough Grading Imported or Stockpiled Material for Bulk Excavation by Machine.....	6.07	
	<i>For &gt;1,000, Deduct</i>		-0.91
31 23 16 33-0008	<b>Cutting, Shaping and Rough Grading Of Existing Elevations</b> <small>(31 23 16 33)</small>		
	Note: For bulk excavation.		
31 23 16 33-0009	CY Cutting, Shaping and Rough Grading Existing Elevations For Bulk Excavation by Machine .....	6.75	
	<i>For &gt;1,000, Deduct</i>		-1.01
31 23 16 33-0010	<b>Relocating On Site Excavated Material From Excavation</b> <small>(31 23 16 33)</small>		
	Note: For bulk excavation.		
31 23 16 33-0011	CY Relocating On Site Excavated Material From Bulk Excavation >100' to 300'.....	5.40	
	<i>For &gt;1,000, Deduct</i>		-0.81
31 23 16 33-0012	CY Relocating On Site Excavated Material From Bulk Excavation >300' to 500'.....	8.11	
	<i>For &gt;1,000, Deduct</i>		-1.22
31 23 16 33-0013	CY Relocating On Site Excavated Material From Bulk Excavation >500' To 1,000' .....	12.16	
	<i>For &gt;1,000, Deduct</i>		-1.82
31 23 16 33-0014	CY Relocating On Site Excavated Material From Bulk Excavation >1,000' .....	16.21	
	<i>For &gt;1,000, Deduct</i>		-2.43
31 23 16 33-0015	<b>Finish Grading</b> <small>(31 23 16 33)</small>		
	Note: For bulk excavation.		
31 23 16 33-0016	SY Finish Grading for Bulk Excavation by Machine.....	0.67	
31 23 16 33-0017	<b>Compaction Of Fill Or Subbase, Per Lift</b> <small>(31 23 16 33)</small>		
	Note: For bulk excavation. See CSI section 31 23 23 23-0001 for compaction water.		
31 23 16 33-0018	SY Compaction of Fill or Subbase for Bulk Excavation by Machine .....	0.68	
	Note: Per Lift		
31 23 16 33-0019	<b>Loading Excess Material For Removal From Excavation</b> <small>(31 23 16 33)</small>		
	Note: For bulk excavation. Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling. See CSI section 01 74 19 00-0039 for hauling.		
31 23 16 33-0020	CY Loading Excess Material For Removal From Bulk Excavation.....	5.71	
	<i>For &gt;1,000, Deduct</i>		-0.86
31 23 16 36	<b>Excavation for Building Foundations and Other Structures</b> <small>(31 23 16)</small>		
	Note: Use of a Bobcat is limited to access restricted areas and by owner's approval. See CSI section 31 05 16 00-0000 for imported material, 31 23 16 33-0000 for bulk excavation operations over 500 CY.		
31 23 16 36-0001	<b>Excavation</b> <small>(31 23 16 36)</small>		
	Note: For building foundations and other structures by machine. Includes stockpiling excess materials within 100' of point of excavation, shaping, trimming and rough grading excavation.		
31 23 16 36-0002	<b>Excavation For Building Foundations And Other Structures By Skid-Steer Loader</b> <small>(31 23 16 36-0001)</small>		
31 23 16 36-0003	CY Excavation For Building Foundations And Other Structures By Skid-Steer Loader In Soil .....	8.84	
	<i>For Excavation In Light Material (Class A), Deduct</i>		-1.11
	<i>For Excavation In Heavy/Wet Material (Class C), Add</i>		3.54
	<i>For Up To 20, Add</i>		8.84
	<i>For &gt;20 To 50, Add</i>		6.63
	<i>For &gt;50 To 250, Add</i>		3.54
	<i>For &gt;250 To 500, Add</i>		1.33
31 23 16 36-0004	CY Excavation For Building Foundations And Other Structures By Skid-Steer Loader In Loose Rock .....	11.00	
	Note: Includes compacted aggregate		
	<i>For Up To 20, Add</i>		11.00
	<i>For &gt;20 To 50, Add</i>		8.25
	<i>For &gt;50 To 250, Add</i>		4.40
	<i>For &gt;250 To 500, Add</i>		1.65
31 23 16 36-0005	<b>Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader</b> <small>(31 23 16 36-0001)</small>		
31 23 16 36-0006	CY Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Soil .....	6.81	
	<i>For Excavation In Light Material (Class A), Deduct</i>		-0.85
	<i>For Excavation In Heavy/Wet Material (Class C), Add</i>		2.72
	<i>For Up To 20, Add</i>		6.81
	<i>For &gt;20 To 50, Add</i>		5.11
	<i>For &gt;50 To 250, Add</i>		2.72
	<i>For &gt;250 To 500, Add</i>		1.02
31 23 16 36-0007	CY Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Loose Rock .....	8.10	
	Note: Includes compacted aggregate		
	<i>For Up To 20, Add</i>		8.10
	<i>For &gt;20 To 50, Add</i>		6.08
	<i>For &gt;50 To 250, Add</i>		3.24
	<i>For &gt;250 To 500, Add</i>		1.22

	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>31 23 16 36-0008</b>	<b>Excavation For Building Foundations And Other Structures By Hand</b> <small>(31 23 16 36-0001)</small> Note: For areas not accessible by machine and only with owner's approval.		
31 23 16 36-0009	CY Excavation For Building Foundations And Other Structures By Hand in Soil ..... <i>For Excavation In Light Material (Class A), Deduct</i> <i>For Excavation In Heavy/Wet Material (Class C), Add</i>	119.00 -14.88 47.60	
31 23 16 36-0010	CY Excavation For Building Foundations And Other Structures By Hand in Loose Rock..... Note: Includes compacted aggregate	204.14	
<b>31 23 16 36-0011</b>	<b>Relocating On Site Excavated Material From Excavation</b> <small>(31 23 16 36)</small> Note: For building foundations and other structures over 100'.		
31 23 16 36-0012	CY Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >100' to 300'..... <i>For Up To 20, Add</i> <i>For &gt;20 To 50, Add</i> <i>For &gt;50 To 250, Add</i> <i>For &gt;250 To 500, Add</i>	5.40 5.40 4.05 2.16 0.81	
31 23 16 36-0013	CY Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >300' to 500'..... <i>For Up To 20, Add</i> <i>For &gt;20 To 50, Add</i> <i>For &gt;50 To 250, Add</i> <i>For &gt;250 To 500, Add</i>	8.11 8.11 6.08 3.24 1.22	
31 23 16 36-0014	CY Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >500' to 1,000'..... <i>For Up To 20, Add</i> <i>For &gt;20 To 50, Add</i> <i>For &gt;50 To 250, Add</i> <i>For &gt;250 To 500, Add</i>	12.16 12.16 9.12 4.86 1.82	
31 23 16 36-0015	CY Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >1,000'..... <i>For Up To 20, Add</i> <i>For &gt;20 To 50, Add</i> <i>For &gt;50 To 250, Add</i> <i>For &gt;250 To 500, Add</i>	16.21 16.21 12.16 6.48 2.43	
<b>31 23 16 36-0016</b>	<b>Backfilling</b> <small>(31 23 16 36)</small> Note: For building foundations and other structures with imported or stockpiled materials. Includes rough grading.		
31 23 16 36-0017	CY Backfilling Around Building Foundations And Other Structures By Skid-Steer Loader ..... <i>For Up To 20, Add</i> <i>For &gt;20 To 50, Add</i> <i>For &gt;50 To 250, Add</i> <i>For &gt;250 To 500, Add</i>	4.37 4.37 3.28 1.75 0.66	
31 23 16 36-0018	CY Backfilling Around Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader ..... <i>For Up To 20, Add</i> <i>For &gt;20 To 50, Add</i> <i>For &gt;50 To 250, Add</i> <i>For &gt;250 To 500, Add</i>	5.27 5.27 3.95 2.11 0.79	
31 23 16 36-0019	CY Backfilling Around Building Foundations And Other Structures By Hand ..... 56.67		
<b>31 23 16 36-0020</b>	<b>Compaction Of Fill Or Subbase</b> <small>(31 23 16 36)</small> Note: For building foundations and other structures. See CSI section 31 23 23 23-0001 for compaction water.		
31 23 16 36-0021	CY Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Vibratory Plate, Air Tamper, Etcetera ..... <i>For Up To 20, Add</i> <i>For &gt;20 To 50, Add</i> <i>For &gt;50 To 250, Add</i> <i>For &gt;250 To 500, Add</i>	10.97 10.97 8.23 4.39 1.65	
31 23 16 36-0022	CY Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Hand ..... 37.29		
<b>31 23 16 36-0023</b>	<b>Grading</b> <small>(31 23 16 36)</small> Note: For building foundations and other structures.		
31 23 16 36-0024	SY Rough Grading For Building Foundations And Other Structures by Machine..... 1.16		
31 23 16 36-0025	SY Finish Grading For Building Foundations And Other Structures by Machine..... 1.87		
31 23 16 36-0026	SY Finish Grading For Building Foundations And Other Structures by Hand..... 11.02		
<b>31 23 16 36-0027</b>	<b>Loading Excess Material For Removal From Excavation</b> <small>(31 23 16 36)</small> Note: For building foundations and other structures. Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling. See CSI section 01 74 19 00-0039 for hauling.		
31 23 16 36-0028	CY Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Machine..... <i>For Up To 20, Add</i> <i>For &gt;20 To 50, Add</i> <i>For &gt;50 To 250, Add</i> <i>For &gt;250 To 500, Add</i>	5.94 5.94 4.46 2.38 0.89	
31 23 16 36-0029	CY Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Hand..... 87.26		
<b>31 23 16 36-0030</b>	<b>Spread Material</b> <small>(31 23 16 36)</small> Note: For building foundations and other structures.		
31 23 16 36-0031	CY Spread Excess Or Imported Material On Site By Machine ..... <i>For Up To 20, Add</i> <i>For &gt;20 To 50, Add</i> <i>For &gt;50 To 250, Add</i> <i>For &gt;250 To 500, Add</i>	3.15 3.15 2.36 1.26 0.47	

**31 Earthwork****31 20 Earth Moving****31 23 Excavation and Fill**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

31 23 16 36-0032 CY Spread Excess Or Imported Material On Site By Hand .....48.15

**31 23 19 Dewatering (31 23)****31 23 19 00-0001 Well Point Dewatering System (31 23 19)****31 23 19 00-0002 Delivery, Installation And Removal Cost (31 23 19 00-0001)**

Note: Priced by linear foot of header used.

31 23 19 00-0003	LF	Up To 100' In Length Well Point System Delivery, Installation And Removal .....	122.67
31 23 19 00-0004	LF	>100' To 250' In Length Well Point System Delivery, Installation And Removal .....	67.47
31 23 19 00-0005	LF	>250' To 500' In Length Well Point System Delivery, Installation And Removal .....	61.33
31 23 19 00-0006	LF	>500' To 1,000' In Length Well Point System Delivery, Installation And Removal .....	55.20
31 23 19 00-0007	LF	>1,000' In Length Well Point System Delivery, Installation And Removal .....	49.07
31 23 19 00-0008	LF	>1,000' In Length Well Point System Delivery, Installation And Removal .....	42.94

**31 23 19 00-0009 Well Point Dewatering System Rental (31 23 19 00-0001)**

Note: Includes all necessary equipment for a well point system (well point with risers, pump, valves, header pipe, discharge pipe, etc.). Use normal adjustment factor only for rental tasks and modifiers. Unit of measure and modifier quantities are based on linear feet of header per day (ex. 200 ft of header for four days - quantity should be 200x4 or 800 ft). Rental days include weekends, when appropriate, regardless if the system is operational during that time. Use weekly modifier for system use of five days to less than a month. Use monthly modifier for system use of one month or greater. See CSI section 31 23 19 00-0002 for installation, 31 23 19 00-0015 for operational costs.

31 23 19 00-0010	LFD	Up To 100' In Length Well Point System Rental (LF x Days = Quantity) .....	1.85
		For >5 Days And <1 Month, Deduct .....	-0.41
		For >1 Month, Deduct .....	-0.52
31 23 19 00-0011	LFD	>100' To 250' In Length Well Point System Rental (LF x Days = Quantity) .....	1.08
		For >5 Days And <1 Month, Deduct .....	-0.24
		For >1 Month, Deduct .....	-0.30
31 23 19 00-0012	LFD	>250' To 500' In Length Well Point System Rental (LF x Days = Quantity) .....	0.77
		For >5 Days And <1 Month, Deduct .....	-0.17
		For >1 Month, Deduct .....	-0.22
31 23 19 00-0013	LFD	>500' To 1,000' In Length Well Point System Rental (LF x Days = Quantity) .....	0.57
		For >5 Days And <1 Month, Deduct .....	-0.13
		For >1 Month, Deduct .....	-0.16
31 23 19 00-0014	LFD	>1,000' In Length Well Point System Rental (LF x Days = Quantity) .....	0.52
		For >5 Days And <1 Month, Deduct .....	-0.11
		For >1 Month, Deduct .....	-0.15

**31 23 19 00-0015 Well Point Dewatering System Operation Costs (31 23 19 00-0001)**

Note: The quantity for operation shall be the total number of hours the well point system is operational.

31 23 19 00-0016	HR	Operation Costs .....	111.14
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**31 23 23 Fill (31 23)****31 23 23 23 Compaction (31 23 23)****31 23 23 23-0001 Compaction Water, Water Truck And Operator (31 23 23 23)**

31 23 23 23-0002	MGL	Compaction Water, Water Truck And Operator .....	198.27
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 Note: Use this task in situations where fill, base material, etc. requires additional moisture to comply with the compaction specification. Includes delivery up to 15 miles. (Per 1000 Gallons) See CSI section 01 22 23 00-1256 for water truck when water is available on site.
**31 23 23 33 Flowable Fill (31 23 23)****31 23 23 33-0001 Flowable Cement Backfill For Trenches (31 23 23 33)**

Note: Includes compaction and restoration of final grade.

31 23 23 33-0002	CY	Flowable Cement Backfill for Trenches .....	228.50
		For Up To 20, Add .....	82.60
		For >20 To 50, Add .....	54.13
		For >50 To 250, Add .....	27.07
		For >500 To 1,000, Deduct .....	-14.24
		For >1,000, Deduct .....	-28.47

**31 24 Embankments (31 20)****31 24 13 Roadway Embankments (31 24)****31 24 13 00-0001 Roadway, Parking Areas, Landscaping And Embankment Excavation And Shaping Operations (31 24 13)**

Note: Use this section for excavation and shaping operations even if the total quantity for the project exceeds 500 CY. See CSI section 31 05 16 00-0000 for imported material, 32 12 16 00-0000 for asphalt paving, 32 13 13 00-0000 for concrete paving.

**31 24 13 00-0002 Cutting, Shaping And Rough Grading (31 24 13 00-0001)**

Note: For roadways, parking areas, landscaping, and embankments. Includes loading or stockpiling excess materials within 300' of initial cut.

**31 24 13 00-0003 Cutting, Shaping, And Rough Grading (31 24 13 00-0002)**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 24 13 00-0004	CY		Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Soil .....	6.75	
			For Up To 20, Add .....	6.75	
			For >20 To 50, Add .....	5.06	
			For >50 To 250, Add .....	2.70	
			For >250 To 500, Add .....	1.01	
			For >1,000, Deduct .....	-1.01	
31 24 13 00-0005	CY		Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Loose Rock.....	8.37	
			Note: Includes compacted aggregate		
			For Up To 20, Add .....	8.37	
			For >20 To 50, Add .....	6.28	
			For >50 To 250, Add .....	3.35	
			For >250 To 500, Add .....	1.26	
			For >1,000, Deduct .....	-1.26	
<b>31 24 13 00-0006</b>			<b>Cutting, Shaping, And Rough Grading By Hand</b> (31 24 13 00-0002)		
31 24 13 00-0007	SY		Shape Embankment/Slope By Hand Up To 1 On 4 Slope.....	6.10	
31 24 13 00-0008	SY		Shape Embankment/Slope By Hand Greater Than 1 On 4 Slope .....	7.93	
<b>31 24 13 00-0009</b>			<b>Scarify Soil</b> (31 24 13 00-0001)		
			Note: For roadways, parking areas, landscaping and embankments by machine.		
31 24 13 00-0010	CSF		Scarify Soil For Roadways, Parking Areas, Landscaping And Embankments By Machine .....	6.25	
			For Up To 20, Add .....	3.13	
			For >20 To 50, Add .....	1.56	
			For >250 To 500, Deduct .....	-0.63	
			For >500, Deduct .....	-1.25	
<b>31 24 13 00-0011</b>			<b>Relocating On Site Excavated Material</b> (31 24 13 00-0001)		
31 24 13 00-0012	CY		>500' To 1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments By Machine .....	12.16	
			For Up To 20, Add .....	12.16	
			For >20 To 50, Add .....	9.12	
			For >50 To 250, Add .....	4.86	
			For >250 To 500, Add .....	1.82	
			For >1,000, Deduct .....	-1.82	
31 24 13 00-0013	CY		>1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments By Machine .....	16.21	
			For Up To 20, Add .....	16.21	
			For >20 To 50, Add .....	12.16	
			For >50 To 250, Add .....	6.48	
			For >250 To 500, Add .....	2.43	
			For >1,000, Deduct .....	-2.43	
<b>31 24 13 00-0014</b>			<b>Spread And Shape Imported Or Stockpiled Material</b> (31 24 13 00-0001)		
			Note: For roadways, parking areas, landscaping and embankments. See CSI section 31 23 16 36-0032 for spreading material by hand.		
31 24 13 00-0015	CY		Spread And Shape Imported Or Stockpiled Material For Roadways, Parking Areas, Landscaping and Embankments By Machine .....	7.43	
			For Up To 20, Add .....	7.43	
			For >20 To 50, Add .....	5.57	
			For >50 To 250, Add .....	2.97	
			For >250 To 500, Add .....	1.11	
			For >1,000, Deduct .....	-1.11	
<b>31 24 13 00-0016</b>			<b>Grading</b> (31 24 13 00-0001)		
			Note: For roadways, parking areas, landscaping and embankments by machine.		
31 24 13 00-0017	SY		Rough Grade Roadway, Parking Areas, Landscaping And Embankments By Machine .....	0.75	
31 24 13 00-0018	SY		Finish Grade Roadway, Parking Areas, Landscaping And Embankments By Machine .....	1.00	
31 24 13 00-0019	LF		Finish Grade For Curb .....	1.12	
31 24 13 00-0020	LF		Finish Grade For Curb And Gutter.....	1.37	
<b>31 24 13 00-0021</b>			<b>Compaction Of Fill Or Subbase</b> (31 24 13 00-0001)		
			Note: For roadways, parking areas, landscaping and embankments by machine, per lift.		
31 24 13 00-0022	SY		Compaction Of Fill Or Subbase For Roadways, Parking Areas, Landscaping And Embankments By Machine Per Lift.....	0.68	
			For Up To 250, Add .....	0.68	
			For >250 To 500, Add .....	0.51	
			For >500 To 1,000, Add .....	0.27	
			For >5,000, Deduct .....	-0.10	
<b>31 24 13 00-0023</b>			<b>Loading Excess Material For Removal From Excavation</b> (31 24 13 00-0001)		
			Note: For roadways, parking areas, landscaping and embankments by machine. Includes hand work by laborer for clean-up.		
31 24 13 00-0024	CY		Load Excess Material For Removal For Roadways, Parking Areas, Landscaping and Embankments by Machine .....	5.71	
			For Up To 20, Add .....	5.71	
			For >20 To 50, Add .....	4.28	
			For >50 To 250, Add .....	2.28	
			For >250 To 500, Add .....	0.86	
			For >1,000, Deduct .....	-0.86	

<b>31</b>	<b>31 Earthwork</b>
	<b>31 20 Earth Moving</b>
	<b>31 25 Erosion and Sedimentation Controls</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

31 25	Erosion and Sedimentation Controls <small>(31 20)</small>		
<b>31 25 14</b>	<b>Stabilization Measures for Erosion and Sedimentation Control</b> <small>(31 25)</small>		
<b>31 25 14 13</b>	<b>Hydraulically-Applied Erosion Control</b> <small>(31 25 14)</small>		
31 25 14 13-0001	Bonded Fiber Matrix <small>(31 25 14 13)</small>		
31 25 14 13-0002	MSF Up To 25,000 SF Bonded Fiber Matrix, Hydraulically Applied .....	54.04	
31 25 14 13-0003	MSF >25,000 To 50,000 SF Bonded Fiber Matrix, Hydraulically Applied.....	49.40	
31 25 14 13-0004	MSF >50,000 To 100,000 SF Bonded Fiber Matrix, Hydraulically Applied.....	45.46	
31 25 14 13-0005	MSF >100,000 Bonded Fiber Matrix, Hydraulically Applied .....	43.21	
<b>31 25 14 16</b>	<b>Rolled Erosion Control Mats and Blankets</b> <small>(31 25 14)</small>		
	Note: Includes all staples and stakes for erosion control blankets and turf reinforcement mats.		
31 25 14 16-0001	Erosion Control Blankets And Turf Reinforcement Mats <small>(31 25 14 16)</small>		
31 25 14 16-0002	Erosion Control Blankets, Short Term, Light Duty <small>(31 25 14 16-0001)</small>		
31 25 14 16-0003	SY S75 Single Net Erosion Control Blanket .....	2.79	
	Note: Straw matrix with degradable thread to a single standard photodegradable polypropylene netting as manufactured by North American Green.		
31 25 14 16-0004	SY S75BN Single Net Erosion Control Blanket .....	3.61	
	Note: Straw Matrix with Biodegradable Thread to a Single Natural Fiber Netting as manufactured by North American Green.		
31 25 14 16-0005	SY Curlex 1, Single Net Erosion Control Blanket .....	2.65	
	Note: As manufactured by American Excelsior		
31 25 14 16-0006	SY Curlex 1, Single Net Erosion Control Blanket .....	2.79	
	Note: As manufactured by American Green.		
31 25 14 16-0007	SY Futerra Erosion Control Blanket, Wood Fibers With Biodegradable Netting.....	2.47	
31 25 14 16-0008	Erosion Control Blankets, Intermediate Duration <small>(31 25 14 16-0001)</small>		
31 25 14 16-0009	SY S150 Double Net Erosion Control Blanket.....	3.60	
	Note: Straw matrix with degradable thread to a double standard photodegradable polypropylene netting as manufactured by North American Green.		
31 25 14 16-0010	SY S150 BN Double Net Erosion Control Blanket.....	4.88	
	Note: Straw matrix with biodegradable thread to a double natural fiber netting as manufactured by North American Green.		
31 25 14 16-0011	SY Curlex II, Double Net Erosion Control Blanket, Natural.....	3.00	
	Note: As manufactured by American Excelsior.		
31 25 14 16-0012	SY Curlex II, Double Net Erosion Control Blanket, Green .....	3.14	
	Note: As manufactured by American Excelsior.		
31 25 14 16-0013	SY Enforcer Double Net Erosion Control Blanket.....	3.35	
	Note: As manufactured by American Excelsior.		
31 25 14 16-0014	Turf Reinforcement Mats (TRM) <small>(31 25 14 16-0001)</small>		
	Note: Permanent, UV stabilized.		
31 25 14 16-0015	SY P300 Permanent Polypropylene Turf Reinforcement Mat.....	12.07	
	Note: 100% synthetic, UV stabilized, two layer netting.		
31 25 14 16-0016	SY C350 Permanent Turf Reinforcement Mat .....	11.12	
	Note: 100% synthetic, UV stabilized netting incorporating natural coconut fibers as manufactured by North American Green.		
31 25 14 16-0017	SY Recyclex TRM, Permanent Turf Reinforcement Mat.....	14.90	
	Note: As manufactured by American Excelsior, 100% recycled		
31 25 14 16-0018	Jute Mesh Erosion Control Blankets <small>(31 25 14 16-0001)</small>		
31 25 14 16-0019	SY Jute Mesh, Open Uniform Weave.....	3.78	
31 25 14 16-0020	Revegetation Mat <small>(31 25 14 16-0001)</small>		
31 25 14 16-0021	SY 3-Dimensional Webbed Revegetation Mat, Polyolefin Fiber .....	9.25	
	Note: Polyolefin fibers oriented and mechanically bonded between two nets. Landlok TRM 450 or equal.		
31 25 14 16-0022	SY Webbed Revegetation Mat, Polypropylene Fiber.....	13.22	
	Note: Polypropylene fibers positioned between two high strength biaxially oriented nets and mechanically held together by parallel stitching with polypropylene thread. Landlok TRM 1060 or equal.		
<b>31 25 14 23</b>	<b>Stabilization Measures for Erosion Control</b> <small>(31 25 14)</small>		
	See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.		
31 25 14 23-0001	Floating Turbidity Curtain <small>(31 25 14 23)</small>		
	Note: Type 2 DOT fabric - 18 oz. nominal laminated vinyl/polyester. EPS flotation, 6 in. x 6 in., 13.5 lb./ft. buoyancy in fresh water and 14.4 lb./ft buoyancy in saltwater.		
31 25 14 23-0002	LF 3' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain .....	25.24	
	For Type 1, Deduct	-3.96	
	For 13 Oz PVC Fabric, Type 2, Deduct	-2.41	
	For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add	2.92	
31 25 14 23-0003	LF 4' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain .....	27.37	
	For Type 1, Deduct	-4.35	
	For 13 Oz PVC Fabric, Type 2, Deduct	-2.65	
	For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add	3.22	
31 25 14 23-0004	LF 5' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	30.32	
	For Type 1, Deduct	-4.93	
	For 13 Oz PVC Fabric, Type 2, Deduct	-3.00	
	For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add	3.65	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
					UNIT COST	UNIT COST

31 25 14 23-0005	LF			6' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	32.81	
				For Type 1, Deduct	-5.41	
				For 13 Oz PVC Fabric, Type 2, Deduct	-3.29	
				For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add	4.00	
31 25 14 23-0006	LF			7' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	34.44	
				For Type 1, Deduct	-5.67	
				For 13 Oz PVC Fabric, Type 2, Deduct	-3.45	
				For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add	4.19	
31 25 14 23-0007	LF			8' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	36.07	
				For Type 1, Deduct	-5.94	
				For 13 Oz PVC Fabric, Type 2, Deduct	-3.61	
				For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add	4.39	
31 25 14 23-0008	LF			9' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	37.95	
				For Type 1, Deduct	-6.25	
				For 13 Oz PVC Fabric, Type 2, Deduct	-3.81	
				For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add	4.62	
31 25 14 23-0009	LF			10' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	40.57	
				For Type 1, Deduct	-6.73	
				For 13 Oz PVC Fabric, Type 2, Deduct	-4.10	
				For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add	4.97	
31 25 14 23-0010	LF			12' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	42.62	
				For Type 1, Deduct	-7.07	
				For 13 Oz PVC Fabric, Type 2, Deduct	-4.30	
				For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add	5.23	
31 25 14 23-0011	LF			13' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	45.40	
				For Type 1, Deduct	-7.57	
				For 13 Oz PVC Fabric, Type 2, Deduct	-4.61	
				For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add	5.60	
31 25 14 23-0012	LF			14' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	47.97	
				For Type 1, Deduct	-8.02	
				For 13 Oz PVC Fabric, Type 2, Deduct	-4.88	
				For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add	5.93	
31 25 14 23-0013	LF			15' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	50.46	
				For Type 1, Deduct	-8.44	
				For 13 Oz PVC Fabric, Type 2, Deduct	-5.14	
				For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add	6.24	
31 25 14 23-0014	LF			16' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	54.93	
				For Type 1, Deduct	-9.31	
				For 13 Oz PVC Fabric, Type 2, Deduct	-5.67	
				For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add	6.88	
31 25 14 23-0015	LF			17' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	57.61	
				For Type 1, Deduct	-9.76	
				For 13 Oz PVC Fabric, Type 2, Deduct	-5.94	
				For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add	7.21	
31 25 14 23-0016	LF			18' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	60.20	
				For Type 1, Deduct	-10.18	
				For 13 Oz PVC Fabric, Type 2, Deduct	-6.20	
				For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add	7.53	
31 25 14 23-0017	LF			19' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	62.94	
				For Type 1, Deduct	-10.63	
				For 13 Oz PVC Fabric, Type 2, Deduct	-6.47	
				For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add	7.86	
31 25 14 23-0018	LF			20' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	65.62	
				For Type 1, Deduct	-11.05	
				For 13 Oz PVC Fabric, Type 2, Deduct	-6.73	
				For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add	8.17	
<b>31 25 14 23-0019</b>				<b>Turbidity Curtain Anchors</b> <small>(31 25 14 23)</small>		
31 25 14 23-0020	EA			14 LB, Turbidity Curtain Anchor System.....	684.44	
				Note: Includes anchor, anchor chain, and marker buoy and rope.		
31 25 14 23-0021	EA			25 LB, Turbidity Curtain Anchor System.....	938.91	
				Note: Includes anchor, anchor chain, and marker buoy and rope.		
31 25 14 23-0022	EA			40 LB, Turbidity Curtain Anchor System.....	1,194.49	
				Note: Includes anchor, anchor chain, and marker buoy and rope.		
31 25 14 23-0023	EA			65 LB, Turbidity Curtain Anchor System.....	1,562.65	
				Note: Includes anchor, anchor chain, and marker buoy and rope.		
<b>31 25 14 23-0024</b>				<b>Sand Bags</b> <small>(31 25 14 23)</small>		
				Note: Bags filled on site with delivered material. Includes material and placement of bags.		
31 25 14 23-0025	BAG			50 LB Capacity Sand Bag With Sand.....	6.18	2.51
				For >2,500 To 5,000, Deduct	-0.50	
				For >5,000, Deduct	-1.12	
31 25 14 23-0026	BAG			75 LB Capacity Sand Bag With Sand.....	8.01	3.12
				For >2,500 To 5,000, Deduct	-0.62	
				For >5,000, Deduct	-1.42	
31 25 14 23-0027	BAG			100 LB Capacity Sand Bag With Sand.....	10.12	3.72
				For >2,500 To 5,000, Deduct	-0.75	
				For >5,000, Deduct	-1.76	
31 25 14 23-0028	BAG			125 LB Capacity Sand Bag With Sand.....	12.47	4.66
				For >2,500 To 5,000, Deduct	-0.93	
				For >5,000, Deduct	-2.18	
31 25 14 23-0029	BAG			150 LB Capacity Sand Bag With Sand.....	15.15	5.58
				For >2,500 To 5,000, Deduct	-1.12	
				For >5,000, Deduct	-2.63	
31 25 14 23-0030	BAG			175 LB Capacity Sand Bag With Sand.....	17.65	6.35
				For >2,500 To 5,000, Deduct	-1.27	
				For >5,000, Deduct	-3.04	

**31 Earthwork****31 20 Earth Moving****31 25 Erosion and Sedimentation Controls**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
31 25 14 23-0031	BAG	2,000 LB Capacity Sand Bag With Sand ..... <i>For &gt;2,500 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	146.31 -8.61 -23.24	45.32
31 25 14 23-0032	BAG	3,000 LB Capacity Sand Bag With Sand ..... <i>For &gt;2,500 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	191.70 -9.47 -28.64	49.85
<b>31 25 14 23-0033</b>		<b>Gravel Bags</b> <small>(31 25 14 23)</small> Note: Bags filled on site with delivered material. Includes material and placement of bags.		
31 25 14 23-0034	BAG	30 LB Capacity Gravel Bag With Gravel ..... <i>For &gt;2,500 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	5.68 -0.33 -0.90	1.67
31 25 14 23-0035	BAG	50 LB Capacity Gravel Bag With Gravel ..... <i>For &gt;2,500 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	10.09 -0.50 -1.51	2.51
<b>31 25 14 23-0036</b>		<b>Filter Bags</b> <small>(31 25 14 23)</small>		
<b>31 25 14 23-0037</b>		<b>Non-Woven Filter Bags</b> <small>(31 25 14 23-0036)</small>		
31 25 14 23-0038	EA	6' x 15' Non-Woven Filter Bag.....	203.49	
31 25 14 23-0039	EA	13' x 15' Non-Woven Filter Bag.....	294.26	
31 25 14 23-0040	EA	15' x 15' Non-Woven Filter Bag.....	338.53	
<b>31 25 14 23-0041</b>		<b>Monofilament Filter Bags</b> <small>(31 25 14 23-0036)</small>		
31 25 14 23-0042	EA	5' x 15' Monofilament Filter Bag.....	211.50	
31 25 14 23-0043	EA	10' x 15' Monofilament Filter Bag.....	292.62	
<b>31 25 14 23-0044</b>		<b>Cable Articulating Concrete Block</b> <small>(31 25 14 23)</small> Note: 4000 PSI Compressive strength, 12 LB/CF maximum absorption. Interlocking block with longitudinal revetment cable. Includes anchoring block to 12" x 12" x 6" concrete pier every 5' with anchor and filling cells with stockpiled material. Excludes site preparation and imported materials.		
31 25 14 23-0045	SF	4.75" Open Cell Articulated Concrete Block With Earth Backfill..... <i>For &gt;500 To 1,000, Add</i> <i>For Up To 500, Add</i>	37.88 4.81 8.59	
31 25 14 23-0046	SF	6" Open Cell Articulated Concrete Block With Earth Backfill..... <i>For &gt;500 To 1,000, Add</i> <i>For Up To 500, Add</i>	43.23 5.43 9.76	
31 25 14 23-0047	SF	7.5" Open Cell Articulated Concrete Block With Earth Backfill..... <i>For &gt;500 To 1,000, Add</i> <i>For Up To 500, Add</i>	49.36 6.16 11.09	
31 25 14 23-0048	SF	9" Open Cell Articulated Concrete Block With Earth Backfill..... <i>For &gt;500 To 1,000, Add</i> <i>For Up To 500, Add</i>	55.62 6.92 12.48	
31 25 14 23-0049	SF	4.75" Closed Cell Articulated Concrete Block..... <i>For &gt;500 To 1,000, Add</i> <i>For Up To 500, Add</i>	40.52 5.07 9.12	
31 25 14 23-0050	SF	6" Closed Cell Articulated Concrete Block ..... <i>For &gt;500 To 1,000, Add</i> <i>For Up To 500, Add</i>	46.38 5.75 10.39	
31 25 14 23-0051	SF	7.5" Closed Cell Articulated Concrete Block ..... <i>For &gt;500 To 1,000, Add</i> <i>For Up To 500, Add</i>	53.09 6.53 11.84	
31 25 14 23-0052	SF	9" Closed Cell Articulated Concrete Block ..... <i>For &gt;500 To 1,000, Add</i> <i>For Up To 500, Add</i>	59.89 7.35 13.34	
<b>31 25 14 26</b>		<b>Stabilization Measures for Sedimentation Control</b> <small>(31 25 14)</small>		
<b>31 25 14 26-0001</b>		<b>Silt Fences And Dike Barriers</b> <small>(31 25 14 26)</small> Note: Includes stakes and embedding.		
<b>31 25 14 26-0002</b>		<b>Silt Fences 2' High</b> <small>(31 25 14 26-0001)</small> See CSI section 31 25 14 26-0014 for removal of silt fence.		
31 25 14 26-0003	LF	2' High Silt Fence with Stakes at 4' On Center.....	2.82	
31 25 14 26-0004	LF	2' High Silt Fence with Stakes at 6' On Center.....	2.19	
31 25 14 26-0005	LF	2' High Silt Fence with Stakes at 8' On Center.....	1.57	
31 25 14 26-0006	LF	2' High Silt Fence with Stakes at 10' On Center.....	1.36	
<b>31 25 14 26-0007</b>		<b>Silt Fences 3' High</b> <small>(31 25 14 26-0001)</small> See CSI section 31 25 14 26-0014 for removal of silt fence.		
31 25 14 26-0008	LF	3' High Silt Fence with Stakes at 4' On Center.....	2.91	
31 25 14 26-0009	LF	3' High Silt Fence with Stakes at 6' On Center.....	2.37	
31 25 14 26-0010	LF	3' High Silt Fence with Stakes at 8' On Center.....	2.06	
31 25 14 26-0011	LF	3' High Silt Fence with Stakes at 10' On Center.....	1.42	
<b>31 25 14 26-0012</b>		<b>Silt Dike Barrier</b> <small>(31 25 14 26-0001)</small>		
31 25 14 26-0013	LF	Silt Dike Barrier With Stakes.....	3.30	
<b>31 25 14 26-0014</b>		<b>Silt Fences Removal</b> <small>(31 25 14 26-0001)</small>		
31 25 14 26-0015	LF	Removal Of Silt Fence And Stakes.....	0.79	

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>31 25 14 26-0016</b>	<b>Hay And Straw Bales</b> <small>(31 25 14 26)</small> Note: Includes trench for placement, and stakes.		
31 25 14 26-0017	LF Place Sterilized Straw Bales.....	4.65	
31 25 14 26-0018	LF Place Hay Bales.....	4.29	
31 25 14 26-0019	LF Removal Of Hay Or Straw Bales..... Note: Includes securing in ground with stakes. See CSI section 31 25 14 26-0019 for removal of hay bale. Note: Includes removal of stakes.	1.42	
<b>31 25 14 26-0020</b>	<b>Sediment Logs (Degradable)</b> <small>(31 25 14 26)</small>		
<b>31 25 14 26-0021</b>	<b>Sediment Logs (Degradable)</b> <small>(31 25 14 26-0020)</small> Note: Includes stakes and removal after use. Curlex sediment logs as manufactured by American Excelsior.		
31 25 14 26-0022	LF 12" Sediment Log.....	7.47	
31 25 14 26-0023	LF 20" Sediment Log.....	9.92	
<b>31 25 14 26-0024</b>	<b>Wattles (Degradable) With UV Stabilized Synthetic Netting</b> <small>(31 25 14 26-0020)</small> Note: Includes trench for placement, 24" wood staking at 4' on-center		
31 25 14 26-0025	EA Wattles (Sterile Straw Filled Rolls), 9" x 25'.....	160.40	
31 25 14 26-0026	EA Wattles (Sterile Straw Filled Rolls), 12" x 20'.....	154.27	
<b>31 25 14 26-0027</b>	<b>Inlet Protection Sediment Bags</b> <small>(31 25 14 26)</small> Note: Includes removal, cleaning, and replacement per each location.		
31 25 14 26-0028	EA 2' x 2' x 3' Inlet Protection Sediment Bag.....	54.39	
31 25 14 26-0029	EA 2' x 3' x 3' Inlet Protection Sediment Bag.....	68.41	
31 25 14 26-0030	EA 2' x 4' x 3' Inlet Protection Sediment Bag.....	84.72	
<b>31 25 14 26-0031</b>	<b>Clean Sediment Logs/Wattles</b> <small>(31 25 14 26)</small> Note: Includes removal, cleaning, and replacement per each location.		
31 25 14 26-0032	EA Clean Sediment Logs/Wattles.....	79.34	

### 31 30 Earthwork Methods (31)

#### 31 31 Soil Treatment (31 30)

##### 31 31 16 Termite Control (31 31)

##### 31 31 16 13 Chemical Termite Control (31 31 16)

##### 31 31 16 13-0001 Commercial Use (31 31 16 13)

31 31 16 13-0002	SF Termite Pretreatment, Commercial Soil Poisoning Under Slab.....		1.03
31 31 16 13-0003	SF Termite Pretreatment, Commercial Slab And Walls.....		1.03

##### 31 31 16 13-0004 Residential Use (31 31 16 13)

31 31 16 13-0005	SF Termite Pretreatment, Residential General Spraying Walls And Slab.....		0.88
31 31 16 13-0006	SF Termite Treatment, Existing Residential Structure.....		1.20

##### 31 31 19 Vegetation Control (31 31)

##### 31 31 19 13 Chemical Vegetation Control (31 31 19)

##### 31 31 19 13-0001 Soil Sterilants (31 31 19 13)

31 31 19 13-0002	MSF Soil Sterilant.....		27.37
	Note: Use only in areas where complete control of all vegetation is desired, such as industrial sites, right-of-way, lumberyards, petroleum tank farms, around farm buildings, along fence lines, etc. When applied to the soil, this product usually inhibits plant growth for a year or more.		
	For >45 To 90, Deduct		-0.43
	For >90 To 225, Deduct		-2.23
	For >225, Deduct		-3.09

#### 31 32 Soil Stabilization (31 30)

##### 31 32 13 Soil Mixing Stabilization (31 32)

##### 31 32 13 16 Cement Soil Stabilization (31 32 13)

##### 31 32 13 16-0001 Cementitious Soil Binder (31 32 13 16)

31 32 13 16-0002	CY Cementitious Soil Binder, 4% Cement Mix By Volume.....		37.36
31 32 13 16-0003	CY Cementitious Soil Binder, 6% Cement Mix By Volume.....		43.16
31 32 13 16-0004	CY Cementitious Soil Binder, 9% Cement Mix By Volume.....		52.71
31 32 13 16-0005	CY Cementitious Soil Binder, 12% Cement Mix By Volume.....		62.12

##### 31 32 13 19 Lime Soil Stabilization (31 32 13)

Note: Includes delivery up to 15 miles from the closest approved source, the cost for loading, and dumping. The price excludes the cost for spreading or backfilling. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

##### 31 32 13 19-0001 Lime Slurry (31 32 13 19)

**31 Earthwork**  
**31 30 Earthwork Methods**  
**31 32 Soil Stabilization**

MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

31 32 13 19-0002	LCY	Soil Stabilization With Lime Slurry 10% Lime Slurry By Volume	33.37
31 32 13 19-0003	TON	Cement Stabilized Base Material	132.60
31 32 13 19-0004	CWT	Lime For Soil Stabilization	21.60
Note: Excludes the cost for spreading or backfilling			
31 32 13 19-0005	LCY	Roller, Grader - Lime Stabilization	17.85
31 32 13 19-0006	LCY	Roller, Grader - Cement Stabilization	4.03

**31 32 13 19-0007 Lime Stabilized Subgrade** (31 32 13 19)

Note: Based on soil weight of 110 LB/CF using lime weight of 5.5 LB/CF (5%).

31 32 13 19-0008	SY	6" Thick Lime Stabilized Subgrade, 25 LB	12.52
For 4% Lime Instead Of 5%, Deduct			-0.38
For 6% Lime Instead Of 5%, Add			0.38
31 32 13 19-0009	SY	7" Thick Lime Stabilized Subgrade, 29 LB	14.51
For 4% Lime Instead Of 5%, Deduct			-0.44
For 6% Lime Instead Of 5%, Add			0.44
31 32 13 19-0010	SY	8" Thick Lime Stabilized Subgrade, 33 LB	16.55
For 4% Lime Instead Of 5%, Deduct			-0.50
For 6% Lime Instead Of 5%, Add			0.50

**31 32 13 29 Liquid Soil Stabilization** (31 32 13)

31 32 13 29-0001	GAL	Polyacrylamide And Calcium Solution	2.68
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**31 32 19 Geosynthetic Soil Stabilization and Layer Separation** (31 32)

**31 32 19 13 Geogrid Soil Stabilization** (31 32 19)

**31 32 19 13-0001 Geogrid Fabrics** (31 32 19 13)

Note: For reinforcement of over steepened earth slopes, segmental retaining walls and other mechanically stabilized earth applications.

31 32 19 13-0002	SY	5.3 Ounce/SY, 1,700 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-150)	5.15
For Up To 50, Add			1.13
For >50 To 150, Add			0.84
For >150 To 250, Add			0.55
For >250 To 500, Add			0.27
31 32 19 13-0003	SY	6.9 Ounce/SY, 3,100 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-300)	5.88
For Up To 50, Add			1.28
For >50 To 150, Add			0.95
For >150 To 250, Add			0.62
For >250 To 500, Add			0.31
31 32 19 13-0004	SY	8.7 Ounce/SY, 4,280 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-500)	6.42
For Up To 50, Add			1.39
For >50 To 150, Add			1.04
For >150 To 250, Add			0.68
For >250 To 500, Add			0.34
31 32 19 13-0005	SY	12.6 Ounce/SY, 7,315 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-800)	9.25
For Up To 50, Add			1.96
For >50 To 150, Add			1.46
For >150 To 250, Add			0.96
For >250 To 500, Add			0.48
31 32 19 13-0006	SY	14.1 Ounce/SY, 9,790 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-1000)	10.60
For Up To 50, Add			2.24
For >50 To 150, Add			1.67
For >150 To 250, Add			1.10
For >250 To 500, Add			0.55
31 32 19 13-0007	SY	4.3 Ounce/SY, 1,658 LB/FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 20)	5.23
For Up To 50, Add			1.15
For >50 To 150, Add			0.85
For >150 To 250, Add			0.56
For >250 To 500, Add			0.28
31 32 19 13-0008	SY	5.9 Ounce/SY, 2,192 LB/FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 30)	7.72
For Up To 50, Add			1.65
For >50 To 150, Add			1.23
For >150 To 250, Add			0.81
For >250 To 500, Add			0.40

**31 32 19 16 Geotextile Soil Stabilization** (31 32 19)

**31 32 19 16-0001 Nonwoven Polypropylene Geotextiles** (31 32 19 16)

Note: For drainage, filtration and separation.

31 32 19 16-0002	SY	3.0 Ounce/SY, 40 Mil, 80 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-30HS)	1.60
For Up To 50, Add			0.36
For >50 To 150, Add			0.27
For >150 To 250, Add			0.17
For >250 To 500, Add			0.09
31 32 19 16-0003	SY	3.5 Ounce/SY, 50 Mil, 95 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-35HS)	1.72
For Up To 50, Add			0.38
For >50 To 150, Add			0.28
For >150 To 250, Add			0.19
For >250 To 500, Add			0.09

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 32 19 16-0004	SY		4.0 Ounce/SY, 60 Mil, 115 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-40HS).....	1.86	
			<i>For Up To 50, Add</i>	0.41	
			<i>For &gt;50 To 150, Add</i>	0.31	
			<i>For &gt;150 To 250, Add</i>	0.20	
			<i>For &gt;250 To 500, Add</i>	0.10	
31 32 19 16-0005	SY		4.5 Ounce/SY, 55 Mil, 120 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-45HS).....	2.01	
			<i>For Up To 50, Add</i>	0.44	
			<i>For &gt;50 To 150, Add</i>	0.33	
			<i>For &gt;150 To 250, Add</i>	0.21	
			<i>For &gt;250 To 500, Add</i>	0.11	
31 32 19 16-0006	SY		6.0 Ounce/SY, 70 Mil, 160 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-60HS).....	2.38	
			<i>For Up To 50, Add</i>	0.52	
			<i>For &gt;50 To 150, Add</i>	0.38	
			<i>For &gt;150 To 250, Add</i>	0.25	
			<i>For &gt;250 To 500, Add</i>	0.13	
31 32 19 16-0007	SY		7.0 Ounce/SY, 85 Mil, 180 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-70HS).....	2.78	
			<i>For Up To 50, Add</i>	0.60	
			<i>For &gt;50 To 150, Add</i>	0.45	
			<i>For &gt;150 To 250, Add</i>	0.29	
			<i>For &gt;250 To 500, Add</i>	0.15	
31 32 19 16-0008	SY		8.0 Ounce/SY, 85 Mil, 205 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-80HS).....	3.07	
			<i>For Up To 50, Add</i>	0.66	
			<i>For &gt;50 To 150, Add</i>	0.49	
			<i>For &gt;150 To 250, Add</i>	0.32	
			<i>For &gt;250 To 500, Add</i>	0.16	
31 32 19 16-0009	SY		10 Ounce/SY, 115 Mil, 250 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-100HS).....	3.79	
			<i>For Up To 50, Add</i>	0.81	
			<i>For &gt;50 To 150, Add</i>	0.60	
			<i>For &gt;150 To 250, Add</i>	0.40	
			<i>For &gt;250 To 500, Add</i>	0.20	

**31 32 19 16-0010 Woven Geotextiles Fabric** (31 32 19 16)

31 32 19 16-0011	SY		200 LB Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-55).....	2.32	
			<i>For Up To 50, Add</i>	0.50	
			<i>For &gt;50 To 150, Add</i>	0.37	
			<i>For &gt;150 To 250, Add</i>	0.25	
			<i>For &gt;250 To 500, Add</i>	0.12	
31 32 19 16-0012	SY		315 LB Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-66).....	3.27	
			<i>For Up To 50, Add</i>	0.69	
			<i>For &gt;50 To 150, Add</i>	0.52	
			<i>For &gt;150 To 250, Add</i>	0.34	
			<i>For &gt;250 To 500, Add</i>	0.17	
31 32 19 16-0013	SY		4 To 6% Open Area, 370 x 250 LB Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 6%).....	5.78	
			<i>For Up To 50, Add</i>	1.20	
			<i>For &gt;50 To 150, Add</i>	0.90	
			<i>For &gt;150 To 250, Add</i>	0.59	
			<i>For &gt;250 To 500, Add</i>	0.30	
31 32 19 16-0014	SY		11 To 15% Open Area, 370 x 220 LB Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 15%).....	5.64	
			<i>For Up To 50, Add</i>	1.18	
			<i>For &gt;50 To 150, Add</i>	0.88	
			<i>For &gt;150 To 250, Add</i>	0.58	
			<i>For &gt;250 To 500, Add</i>	0.29	
31 32 19 16-0015	SY		6.9 Oz/SY, 250 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-250TF).....	4.92	
			<i>For Up To 50, Add</i>	1.03	
			<i>For &gt;50 To 150, Add</i>	0.77	
			<i>For &gt;150 To 250, Add</i>	0.51	
			<i>For &gt;250 To 500, Add</i>	0.25	
31 32 19 16-0016	SY		9.1 Oz/SY, 333 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-330TF).....	5.27	
			<i>For Up To 50, Add</i>	1.10	
			<i>For &gt;50 To 150, Add</i>	0.82	
			<i>For &gt;150 To 250, Add</i>	0.54	
			<i>For &gt;250 To 500, Add</i>	0.27	
31 32 19 16-0017	SY		12.1 Oz/SY, 400 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-400TF).....	6.74	
			<i>For Up To 50, Add</i>	1.40	
			<i>For &gt;50 To 150, Add</i>	1.04	
			<i>For &gt;150 To 250, Add</i>	0.69	
			<i>For &gt;250 To 500, Add</i>	0.35	
31 32 19 16-0018	SY		12.1 Oz/SY, 400 LB/IN Wide Width Tensile Ultimate Woven Monofilament And Fibrillated Geotextile Fabric (Carthage Mills FX-400MF).....	9.62	
			<i>For Up To 50, Add</i>	1.97	
			<i>For &gt;50 To 150, Add</i>	1.48	
			<i>For &gt;150 To 250, Add</i>	0.98	
			<i>For &gt;250 To 500, Add</i>	0.49	

**31 32 19 16-0019 Geomembranes** (31 32 19 16)
**31 32 19 16-0020 Polyvinyl Chloride (PVC) Geomembrane** (31 32 19 16-0019)

31 32 19 16-0021	SF		20 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics).....	1.18	
31 32 19 16-0022	SF		30 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics).....	1.37	
31 32 19 16-0023	SF		40 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics).....	1.66	
31 32 19 16-0024	SF		50 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics).....	1.99	
31 32 19 16-0025	SF		60 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics).....	2.27	

<b>31</b>	<b>Earthwork</b>
<b>31 30</b>	<b>Earthwork Methods</b>
<b>31 32</b>	<b>Soil Stabilization</b>

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

31 32 19 16-0026	SF	70 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	2.48
31 32 19 16-0027	SF	80 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	2.69
31 32 19 16-0028	SF	90 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	2.97
31 32 19 16-0029	SF	100 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	3.24

**31 32 19 16-0030 High Density Polyethylene (HDPE) Geomembrane (31 32 19 16-0019)**

31 32 19 16-0031	SF	20 Mil High Density Polyethylene Membrane (US Fabrics)	0.94
31 32 19 16-0032	SF	30 Mil High Density Polyethylene Membrane (US Fabrics)	1.02
31 32 19 16-0033	SF	40 Mil High Density Polyethylene Membrane (US Fabrics)	1.17
31 32 19 16-0034	SF	50 Mil High Density Polyethylene Membrane (US Fabrics)	1.81
31 32 19 16-0035	SF	60 Mil High Density Polyethylene Membrane (US Fabrics)	1.44
31 32 19 16-0036	SF	80 Mil High Density Polyethylene Membrane (US Fabrics)	1.73
31 32 19 16-0037	SF	100 Mil High Density Polyethylene Membrane (US Fabrics)	2.03
31 32 19 16-0038	SF	120 Mil High Density Polyethylene Membrane (US Fabrics)	3.52
31 32 19 16-0039	SF	140 Mil High Density Polyethylene Membrane (US Fabrics)	3.64

**31 32 19 26 Geoweb Cellular Confinement System (31 32 19)**

Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.

**31 32 19 26-0001 Geoweb Cellular Confinement System (31 32 19 26)**

Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.

31 32 19 26-0002	SF	4" Geoweb Cellular Confinement System (Presto Geosystems)	7.09
		<i>For &gt;20,000, Deduct</i>	-0.18
		<i>For &gt;2:1 Slope, Add</i>	1.14
31 32 19 26-0003	SF	6" Geoweb Cellular Confinement System (Presto Geosystems)	8.74
		<i>For &gt;20,000, Deduct</i>	-0.27
		<i>For &gt;2:1 Slope, Add</i>	1.14
31 32 19 26-0004	SF	8" Geoweb Cellular Confinement System (Presto Geosystems)	10.69
		<i>For &gt;20,000, Deduct</i>	-0.36
		<i>For &gt;2:1 Slope, Add</i>	1.14

**31 35 Slope Protection (31 30)**

**31 35 19 Geosynthetic Slope Protection (31 35)**

**31 35 19 19 Slope Protection with Mulch Control Netting (31 35 19)**

**31 35 19 19-0001 Erosion Control Fabric (31 35 19 19)**

31 35 19 19-0002	SY	26.6 OZ/SY Erosion Control Fabric (Belton Industries Geocoir 900)	4.39
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**31 36 Gabions (31 30)**

Note: Includes the cost for loading, hauling up to 15 miles from the closest approved source, unloading and placing. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

**31 36 13 Gabion Boxes (31 36)**

**31 36 13 00-0001 Stone Filled Gabion Slope Protection (31 36 13)**

Note: Machine placed by SY of total top face area for depth indicated.

31 36 13 00-0002	SY	6" Deep Stone Filled Gabion Slope Protection	65.72
31 36 13 00-0003	SY	9" Deep Stone Filled Gabion Slope Protection	77.62
31 36 13 00-0004	SY	12" Deep Stone Filled Gabion Slope Protection	93.74
31 36 13 00-0005	SY	15" Deep Stone Filled Gabion Slope Protection	110.70
31 36 13 00-0006	SY	18" Deep Stone Filled Gabion Slope Protection	129.97
31 36 13 00-0007	SY	24" Deep Stone Filled Gabion Slope Protection	177.93
31 36 13 00-0008	SY	36" Deep Stone Filled Gabion Slope Protection	224.92

**31 37 Riprap (31 30)**

Note: Includes the cost for loading, hauling up to 15 miles from the closest approved source, and dumping. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

**31 37 13 Machined Riprap (31 37)**

**31 37 13 00-0001 Random - Filter Stone (31 37 13)**

31 37 13 00-0002	CY	10 To 50 LB Average Pieces Random, Dumped From Truck, Rip Rap	59.46
		<i>For Chinking Material, Add</i>	14.01
31 37 13 00-0003	CY	>50 To 100 LB Average Pieces Random, Dumped From Truck, Rip Rap	68.68
		<i>For Chinking Material, Add</i>	14.01
31 37 13 00-0004	CY	>100 To 200 LB Average Pieces Random, Dumped From Truck, Rip Rap	73.02
		<i>For Chinking Material, Add</i>	14.01
31 37 13 00-0005	CY	>200 To 300 LB Average Pieces Random, Dumped From Truck, Rip Rap	77.96
		<i>For Chinking Material, Add</i>	14.01
31 37 13 00-0006	CY	>300 To 600 LB Average Pieces Random, Dumped From Truck, Rip Rap	81.94
		<i>For Chinking Material, Add</i>	14.01
31 37 13 00-0007	CY	>600 LB Average Pieces Random, Dumped From Truck, Rip Rap	88.45
31 37 13 00-0008	CY	3/8 To 1/4 CY Pieces Random, Dumped From Truck, Machine Spread And Placed Slope Protection (Keyed) Rip Rap	106.04
31 37 13 00-0009	TON	10 To 50 LB Average Pieces Random, Dumped From Truck, Rip Rap	39.60
31 37 13 00-0010	TON	>50 To 100 LB Average Pieces Random, Dumped From Truck, Rip Rap	45.45
31 37 13 00-0011	TON	>100 To 200 LB Average Pieces Random, Dumped From Truck, Rip Rap	48.21
31 37 13 00-0012	TON	>200 To 300 LB Average Pieces Random, Dumped From Truck, Rip Rap	51.34
31 37 13 00-0013	TON	>300 To 600 LB Average Pieces Random, Dumped From Truck, Rip Rap	53.87
31 37 13 00-0014	TON	>600 LB Average Pieces Random, Dumped From Truck, Rip Rap	58.06



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 37 13 00-0015 TON 3/8 To 1/4 CY Pieces Random, Dumped From Truck, Machine Spread And Placed Slope Protection (Keyed) Riprap..... 71.94

**31 40 Shoring and Underpinning** <sup>(31)</sup>

**31 41 Shoring** <sup>(31 40)</sup>

**31 41 13 Timber Shoring** <sup>(31 41)</sup>

31 41 13 00-0001 Wood Sheet Piling <sup>(31 41 13)</sup>

31 41 13 00-0002 Pull And Salvage <sup>(31 41 13 00-0001)</sup>

Note: Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-backs (rock bolting) where required.

31 41 13 00-0003	SF 8' Deep Excavation, Wood Shoring, Pull And Salvage	14.39
	For Wood Sheeting Left In Place	0.72
31 41 13 00-0004	SF 10' Deep Excavation, Wood Shoring, Pull And Salvage	15.48
	For Wood Sheeting Left In Place	0.57
31 41 13 00-0005	SF 12' Deep Excavation, Wood Shoring, Pull And Salvage	16.67
	For Wood Sheeting Left In Place	0.42
31 41 13 00-0006	SF 14' Deep Excavation, Wood Shoring, Pull And Salvage	17.95
	For Wood Sheeting Left In Place	0.23
31 41 13 00-0007	SF 16' Deep Excavation, Wood Shoring, Pull And Salvage	19.34
	For Wood Sheeting Left In Place	0.03
31 41 13 00-0008	SF 18' Deep Excavation, Wood Shoring, Pull And Salvage	20.83
	For Wood Sheeting Left In Place	-0.22
31 41 13 00-0009	SF 20' Deep Excavation, Wood Shoring, Pull And Salvage	22.47
	For Wood Sheeting Left In Place	-0.48

**31 41 16 Sheet Piling** <sup>(31 41)</sup>

**31 41 16 13 Steel Sheet Piling** <sup>(31 41 16)</sup>

31 41 16 13-0001 Standard Carbon Grade Steel Sheeting - Pull And Salvage <sup>(31 41 16 13)</sup>

Note: Up to 3 months. 38.5 KSI steel per SF minimum. PSF indicated is for the weight of the material per square foot. Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-backs (rock bolting) where required.

31 41 16 13-0002	TON Driven Steel Sheet Piling, 15' Excavation, 22 PSF Steel Sheeting, Pull And Salvage	2,079.01
	For Standard Sheeting Left In Place, Add	1,139.13
	For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	1,096.42
	For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	96.12
	For High Strength Sheeting 55,000 PSI Grade, Add	106.80
	For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	331.07
	For Each Additional Month >3 Months, Add	53.40
31 41 16 13-0003	TON Driven Steel Sheet Piling, 20' Excavation, 27 PSF Steel Sheeting, Pull And Salvage	2,162.25
	For Standard Sheeting Left In Place, Add	1,097.51
	For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	1,054.80
	For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	96.12
	For High Strength Sheeting 55,000 PSI Grade, Add	106.80
	For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	331.07
	For Each Additional Month >3 Months, Add	53.40
31 41 16 13-0004	TON Driven Steel Sheet Piling, 25' Excavation, 38 PSF Steel Sheeting, Pull And Salvage	2,549.24
	For Standard Sheeting Left In Place, Add	904.02
	For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	861.30
	For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	96.12
	For High Strength Sheeting 55,000 PSI Grade, Add	106.80
	For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	331.07
	For Each Additional Month >3 Months, Add	53.40
31 41 16 13-0005	TON Driven Steel Sheet Piling, 30' Excavation, 38 PSF Steel Sheeting, Pull And Salvage	2,921.63
	For Standard Sheeting Left In Place, Add	717.82
	For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	675.11
	For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	96.12
	For High Strength Sheeting 55,000 PSI Grade, Add	106.80
	For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	331.07
	For Each Additional Month >3 Months, Add	53.40
31 41 16 13-0006	TON Driven Steel Sheet Piling, 35' Excavation, 38 PSF Steel Sheeting, Pull And Salvage	3,140.68
	For Standard Sheeting Left In Place, Add	608.30
	For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	565.58
	For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	96.12
	For High Strength Sheeting 55,000 PSI Grade, Add	106.80
	For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	331.07
	For Each Additional Month >3 Months, Add	53.40
31 41 16 13-0007	TON Driven Steel Sheet Piling, 40' Excavation, 38 PSF Steel Sheeting, Pull And Salvage	3,364.12
	For Standard Sheeting Left In Place, Add	496.58
	For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	453.86
	For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	96.12
	For High Strength Sheeting 55,000 PSI Grade, Add	106.80
	For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	331.07
	For Each Additional Month >3 Months, Add	53.40

**31 45 Vibroflotation and Densification** <sup>(31 40)</sup>

**31 45 13 Vibroflotation** <sup>(31 45)</sup>

31 45 13 00-0001 LCY Soil Stabilization, Vibroflotation..... 14.74

<b>31</b>	<b>31</b>	<b>Earthwork</b>
	<b>31 40</b>	<b>Shoring and Underpinning</b>
	<b>31 48</b>	<b>Underpinning</b>

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

31 48 Underpinning <sup>(31 40)</sup>

**31 48 33 Micropile Underpinning** <sup>(31 48)</sup>

31 48 33 00-0001 Augered Micro-Pile And Grout System <sup>(31 48 33)</sup>

31 48 33 00-0002	EA	Micro-Pile Mobilization Per Job.....	2,371.25
31 48 33 00-0003	EA	Relocate And Set-up Micro-Pile Equipment At New Pile Cap Location .....	592.81
31 48 33 00-0004	VLF	Auger 8" Diameter Hole, Insert GEWI Micro-Pile And Grout Void .....	327.41
		Note: Includes GEWI piles, threadbar extensions, couplers, spacers, top nut and steel bearing plate.	
31 48 33 00-0005	VLF	Auger 8" Diameter Hole, Insert GEWI Micro-Pile And Grout Void - Indoor .....	401.52
		Note: Includes GEWI piles, threadbar extensions, couplers, spacers, top nut and steel bearing plate.	
31 48 33 00-0006	EA	Pile Load Test.....	2,964.07

**END OF SECTION 31**

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
		UNIT COST	UNIT COST

## 32 Exterior Improvements

### 32 01 Operation and Maintenance of Exterior Improvements <sup>(32)</sup>

#### 32 01 11 Paving Cleaning <sup>(32 01)</sup>

##### 32 01 11 53 Paint Removal from Paving <sup>(32 01 11)</sup>

##### 32 01 11 53-0001 Remove Pavement Markings <sup>(32 01 11 53)</sup>

Note: Includes stripe removal by grinding, vacuuming of removed striped area and containment of debris.

32 01 11 53-0002	LF Removal Of 4" Wide Painted Or Epoxy Pavement Striping .....	1.97	
	For Up To 250, Add	0.99	
	For >250 To 1,000, Add	0.49	
	For >5,000 To 10,000, Deduct	-0.30	
	For >10,000 To 25,000, Deduct	-0.49	
	For >25,000 To 50,000, Deduct	-0.69	
	For >50,000, Deduct	-0.79	
32 01 11 53-0003	LF Removal Of 6" Wide Painted Or Epoxy Pavement Striping .....	2.38	
	For Up To 250, Add	1.19	
	For >250 To 1,000, Add	0.60	
	For >5,000 To 10,000, Deduct	-0.36	
	For >10,000 To 25,000, Deduct	-0.60	
	For >25,000 To 50,000, Deduct	-0.83	
	For >50,000, Deduct	-0.95	
32 01 11 53-0004	LF Removal Of 8" Wide Painted Or Epoxy Pavement Striping .....	2.85	
	For Up To 250, Add	1.43	
	For >250 To 1,000, Add	0.71	
	For >5,000 To 10,000, Deduct	-0.43	
	For >10,000 To 25,000, Deduct	-0.71	
	For >25,000 To 50,000, Deduct	-1.00	
	For >50,000, Deduct	-1.14	
32 01 11 53-0005	LF Removal Of 12" Wide Painted Or Epoxy Pavement Striping .....	3.40	
	For Up To 250, Add	1.70	
	For >250 To 1,000, Add	0.85	
	For >5,000 To 10,000, Deduct	-0.51	
	For >10,000 To 25,000, Deduct	-0.85	
	For >25,000 To 50,000, Deduct	-1.19	
	For >50,000, Deduct	-1.36	
32 01 11 53-0006	SF Removal Of Painted Or Epoxy Pavement Marking, Letters Or Symbols .....	3.40	
	For Up To 250, Add	1.70	
	For >250 To 1,000, Add	0.85	
	For >5,000 To 10,000, Deduct	-0.51	
	For >10,000 To 25,000, Deduct	-0.85	
	For >25,000 To 50,000, Deduct	-1.19	
	For >50,000, Deduct	-1.36	
32 01 11 53-0007	LF Removal Of 4" Wide Thermoplastic Pavement Striping .....	2.54	
	For Up To 250, Add	1.27	
	For >250 To 1,000, Add	0.64	
	For >5,000 To 10,000, Deduct	-0.38	
	For >10,000 To 25,000, Deduct	-0.64	
	For >25,000 To 50,000, Deduct	-0.89	
	For >50,000, Deduct	-1.02	
32 01 11 53-0008	LF Removal Of 6" Wide Thermoplastic Pavement Striping .....	3.00	
	For Up To 250, Add	1.50	
	For >250 To 1,000, Add	0.75	
	For >5,000 To 10,000, Deduct	-0.45	
	For >10,000 To 25,000, Deduct	-0.75	
	For >25,000 To 50,000, Deduct	-1.05	
	For >50,000, Deduct	-1.20	
32 01 11 53-0009	LF Removal Of 8" Wide Thermoplastic Pavement Striping .....	3.62	
	For Up To 250, Add	1.81	
	For >250 To 1,000, Add	0.91	
	For >5,000 To 10,000, Deduct	-0.54	
	For >10,000 To 25,000, Deduct	-0.91	
	For >25,000 To 50,000, Deduct	-1.27	
	For >50,000, Deduct	-1.45	
32 01 11 53-0010	LF Removal Of 12" Wide Thermoplastic Pavement Striping .....	4.34	
	For Up To 250, Add	2.17	
	For >250 To 1,000, Add	1.09	
	For >5,000 To 10,000, Deduct	-0.65	
	For >10,000 To 25,000, Deduct	-1.09	
	For >25,000 To 50,000, Deduct	-1.52	
	For >50,000, Deduct	-1.74	
32 01 11 53-0011	SF Removal Of Thermoplastic Pavement Marking, Letters Or Symbols .....	4.34	
	For Up To 250, Add	2.17	
	For >250 To 1,000, Add	1.09	
	For >5,000 To 10,000, Deduct	-0.65	
	For >10,000 To 25,000, Deduct	-1.09	
	For >25,000 To 50,000, Deduct	-1.52	
	For >50,000, Deduct	-1.74	

#### 32 01 13 Flexible Paving Surface Treatment <sup>(32 01)</sup>

##### 32 01 13 61 Slurry Seal (Latex Modified) <sup>(32 01 13)</sup>

##### 32 01 13 61-0001 Asphalt Seal Coating, For Roads And Parking Lot <sup>(32 01 13 61)</sup>

Note: Includes sweeping and cleaning of area.

**32 Exterior Improvements**  
**32 01 Operation and Maintenance of Exterior Improvements**  
**32 01 13 Flexible Paving Surface Treatment**



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
32 01 13 61-0002	EA	Asphalt Seal Coating Minimum Charge .....721.14 Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
32 01 13 61-0003	SY	Up To 500 SY, Type II Slurry Seal Asphalt Coating, Per Coat.....3.88 Note: 1/4" thick, 14 to 18 Lbs/SY.		
		<i>For Tire Rubber Modified Slurry Seal (TRMSS), Add</i>	0.33	
		<i>For Rubberized Emulsion Aggregate Slurry (REAS), Add</i>	0.39	
		<i>For Rubberized Polymer Modified Emulsion (RPME), Add</i>	0.49	
		<i>For Each 0.5% Of Latex Addition, Add</i>	0.30	
32 01 13 61-0004	SY	>500 To 1,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat .....3.59 Note: 1/4" thick, 14 to 18 Lbs/SY.		
		<i>For Tire Rubber Modified Slurry Seal (TRMSS), Add</i>	0.31	
		<i>For Rubberized Emulsion Aggregate Slurry (REAS), Add</i>	0.37	
		<i>For Rubberized Polymer Modified Emulsion (RPME), Add</i>	0.47	
		<i>For Each 0.5% Of Latex Addition, Add</i>	0.30	
32 01 13 61-0005	SY	>1,000 To 5,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat .....3.37 Note: 1/4" thick, 14 to 18 Lbs/SY.		
		<i>For Tire Rubber Modified Slurry Seal (TRMSS), Add</i>	0.30	
		<i>For Rubberized Emulsion Aggregate Slurry (REAS), Add</i>	0.36	
		<i>For Rubberized Polymer Modified Emulsion (RPME), Add</i>	0.46	
		<i>For Each 0.5% Of Latex Addition, Add</i>	0.30	
32 01 13 61-0006	SY	>5,000 To 20,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat .....3.16 Note: 1/4" thick, 14 to 18 Lbs/SY.		
		<i>For Tire Rubber Modified Slurry Seal (TRMSS), Add</i>	0.29	
		<i>For Rubberized Emulsion Aggregate Slurry (REAS), Add</i>	0.35	
		<i>For Rubberized Polymer Modified Emulsion (RPME), Add</i>	0.45	
		<i>For Each 0.5% Of Latex Addition, Add</i>	0.30	
32 01 13 61-0007	SY	>20,000 To 50,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat .....2.97 Note: 1/4" thick, 14 to 18 Lbs/SY.		
		<i>For Tire Rubber Modified Slurry Seal (TRMSS), Add</i>	0.28	
		<i>For Rubberized Emulsion Aggregate Slurry (REAS), Add</i>	0.34	
		<i>For Rubberized Polymer Modified Emulsion (RPME), Add</i>	0.44	
		<i>For Each 0.5% Of Latex Addition, Add</i>	0.30	
32 01 13 61-0008	SY	>50,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat .....2.79 Note: 1/4" thick, 14 to 18 Lbs/SY.		
		<i>For Tire Rubber Modified Slurry Seal (TRMSS), Add</i>	0.27	
		<i>For Rubberized Emulsion Aggregate Slurry (REAS), Add</i>	0.33	
		<i>For Rubberized Polymer Modified Emulsion (RPME), Add</i>	0.43	
		<i>For Each 0.5% Of Latex Addition, Add</i>	0.30	
32 01 13 61-0009	SY	Up To 500 SY, Type III Slurry Seal Asphalt Coating, Per Coat .....4.83 Note: 3/8" thick, 25 to 30 Lbs/SY.		
		<i>For Tire Rubber Modified Slurry Seal (TRMSS), Add</i>	0.34	
		<i>For Rubberized Emulsion Aggregate Slurry (REAS), Add</i>	0.40	
		<i>For Rubberized Polymer Modified Emulsion (RPME), Add</i>	0.50	
		<i>For Each 0.5% Of Latex Addition, Add</i>	0.49	
32 01 13 61-0010	SY	>500 To 1,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat .....4.52 Note: 3/8" thick, 25 to 30 Lbs/SY.		
		<i>For Tire Rubber Modified Slurry Seal (TRMSS), Add</i>	0.32	
		<i>For Rubberized Emulsion Aggregate Slurry (REAS), Add</i>	0.38	
		<i>For Rubberized Polymer Modified Emulsion (RPME), Add</i>	0.48	
		<i>For Each 0.5% Of Latex Addition, Add</i>	0.49	
32 01 13 61-0011	SY	>1,000 To 5,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat .....4.28 Note: 3/8" thick, 25 to 30 Lbs/SY.		
		<i>For Tire Rubber Modified Slurry Seal (TRMSS), Add</i>	0.31	
		<i>For Rubberized Emulsion Aggregate Slurry (REAS), Add</i>	0.37	
		<i>For Rubberized Polymer Modified Emulsion (RPME), Add</i>	0.47	
		<i>For Each 0.5% Of Latex Addition, Add</i>	0.49	
32 01 13 61-0012	SY	>5,000 To 20,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat .....4.05 Note: 3/8" thick, 25 to 30 Lbs/SY.		
		<i>For Tire Rubber Modified Slurry Seal (TRMSS), Add</i>	0.30	
		<i>For Rubberized Emulsion Aggregate Slurry (REAS), Add</i>	0.36	
		<i>For Rubberized Polymer Modified Emulsion (RPME), Add</i>	0.46	
		<i>For Each 0.5% Of Latex Addition, Add</i>	0.49	
32 01 13 61-0013	SY	>20,000 To 50,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat .....3.85 Note: 3/8" thick, 25 to 30 Lbs/SY.		
		<i>For Tire Rubber Modified Slurry Seal (TRMSS), Add</i>	0.29	
		<i>For Rubberized Emulsion Aggregate Slurry (REAS), Add</i>	0.35	
		<i>For Rubberized Polymer Modified Emulsion (RPME), Add</i>	0.45	
		<i>For Each 0.5% Of Latex Addition, Add</i>	0.49	
32 01 13 61-0014	SY	>50,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat .....3.66 Note: 3/8" thick, 25 to 30 Lbs/SY.		
		<i>For Tire Rubber Modified Slurry Seal (TRMSS), Add</i>	0.28	
		<i>For Rubberized Emulsion Aggregate Slurry (REAS), Add</i>	0.34	
		<i>For Rubberized Polymer Modified Emulsion (RPME), Add</i>	0.44	
		<i>For Each 0.5% Of Latex Addition, Add</i>	0.49	
<b>32 01 13 62 Asphalt Surface Treatment <sup>(32 01 13)</sup></b>				
32 01 13 62-0001		<b>Polymer-Modified, Microsurfacing Emulsion (MSE Microsurfacing) <sup>(32 01 13 62)</sup></b> Note: Use a blend of emulsified quick-set polymer-modified emulsion asphalt and latex-based polymer. Includes sweeping and cleaning of area.		
32 01 13 62-0002	SY	Up To 200 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE) .....8.57		
32 01 13 62-0003	SY	Up To 500 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE) .....8.09		
32 01 13 62-0004	SY	>500 To 1,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE) .....7.67		
32 01 13 62-0005	SY	>1,000 To 5,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE) .....7.31		
32 01 13 62-0006	SY	>5,000 To 10,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE) .....6.98		
32 01 13 62-0007	SY	>10,000 To 20,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE) .....6.69		
32 01 13 62-0008	SY	>20,000 To 50,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE) .....6.49		
32 01 13 62-0009	SY	>50,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE) .....6.38		

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
		UNIT COST	UNIT COST

**32 01 16 Flexible Paving Rehabilitation** (32 01)
**32 01 16 71 Cold Milling Asphalt Pavement** (32 01 16)
**32 01 16 71-0001 Removal Of Asphalt Surface Course** (32 01 16 71)

Note: Includes direct loading into truck.

**32 01 16 71-0002 Production Cold Milling Of Roads And Parking Areas** (32 01 16 71-0001)

Note: For removal of entire lanes of roads or parking areas. Includes work around man holes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0039 for hauling.

32 01 16 71-0003	SY	Up To 3" Depth, Production Cold Milling Of Asphalt .....	4.36
		For Up To 2,500, Add	3.27
		For >2,500 To 5,000, Add	1.09
		For >10,000 To 25,000, Deduct	-0.44
		For >25,000, Deduct	-0.65
32 01 16 71-0004	SY	>3" To 6" Depth, Production Cold Milling Of Asphalt .....	5.81
		For Up To 2,500, Add	4.36
		For >2,500 To 5,000, Add	1.45
		For >10,000 To 25,000, Deduct	-0.58
		For >25,000, Deduct	-0.87
32 01 16 71-0005	SY	>6" To 12" Depth, Production Cold Milling Of Asphalt .....	7.73
		For Up To 2,500, Add	5.80
		For >2,500 To 5,000, Add	1.93
		For >10,000 To 25,000, Deduct	-0.77
		For >25,000, Deduct	-1.16

**32 01 16 71-0006 Limited Production Cold Milling** (32 01 16 71-0001)

Note: For cross sections of roadways, trenching, partial shoulders, and other small or narrow areas. Includes work around man holes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0039 for hauling.

32 01 16 71-0007	SY	Up To 3" Depth, Limited Cold Milling Of Asphalt .....	27.54
		For >100 To 1,000, Deduct	-13.77
		For >1,000, Deduct	-20.66
32 01 16 71-0008	SY	>3" To 6" Depth, Limited Cold Milling Of Asphalt.....	36.47
		For >100 To 1,000, Deduct	-18.24
		For >1,000, Deduct	-27.35
32 01 16 71-0009	SY	>6" To 12" Depth, Limited Cold Milling Of Asphalt.....	48.57
		For >100 To 1,000, Deduct	-24.29
		For >1,000, Deduct	-36.43

**32 01 16 71-0010 Grind, Leave In-Place Asphalt Grindings** (32 01 16 71)

Note: For use as subbase material, includes spreading and rolling.

32 01 16 71-0011	SY	Grind, Leave In-Place As Subbase Course, 6-9" Depth .....	7.12
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**32 01 16 74 In Place Hot Reused Asphalt Paving** (32 01 16)
**32 01 16 74-0001 Rejuvenate, Respread Asphalt Pavement** (32 01 16 74)

Note: Includes direct loading into truck.

32 01 16 74-0002	SY	Removal, Rejuvenation, And Respreading Of Asphalt Grindings To 1/2" Deep .....	11.94
32 01 16 74-0003	SY	Removal, Rejuvenation, And Respreading Of Asphalt Grindings To 1/2" Deep, Previously Sealed Cold Tar.....	14.00
32 01 16 74-0004	TON	Removal, Rejuvenation, And Respreading Of Asphalt Grindings .....	188.41

**32 01 16 74-0005 Reclamation, Pulverize And Blending With Existing** (32 01 16 74)

Note: Includes direct loading into truck.

32 01 16 74-0006	SY	Up To 2" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	14.83
32 01 16 74-0007	SY	Up To 2" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	7.42
32 01 16 74-0008	SY	Up To 2" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	3.71
32 01 16 74-0009	SY	Up To 2" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base .....	3.51
32 01 16 74-0010	SY	>2" To 3" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	4.04
32 01 16 74-0011	SY	>2" To 3" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	16.18
32 01 16 74-0012	SY	>2" To 3" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	8.10
32 01 16 74-0013	SY	>2" To 3" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base .....	3.81
32 01 16 74-0014	SY	>3" To 4" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	17.80
32 01 16 74-0015	SY	>3" To 4" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	8.90
32 01 16 74-0016	SY	>3" To 4" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	4.45
32 01 16 74-0017	SY	>3" To 4" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base .....	4.11
32 01 16 74-0018	SY	>4" To 8" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	19.43
32 01 16 74-0019	SY	>4" To 8" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	9.71

**32 Exterior Improvements****32 01 Operation and Maintenance of Exterior Improvements****32 01 16 Flexible Paving Rehabilitation**
 MINOR  
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 TOTAL DIRECT DEMOLITION  
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32 01 16 74-0020	SY	>4" To 8" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	4.86
32 01 16 74-0021	SY	>4" To 8" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	4.53
32 01 16 74-0022	EA	Mobilization And Demobilization For Reclamation, Pulverizing And Blending Crew.....	1,669.21

**32 01 17 Flexible Paving Repair** (32 01)

See CSI section 32 12 16 00-0000 for large area resurfacing.

**32 01 17 61 Sealing Cracks in Asphalt Paving** (32 01 17)

Note: Includes removing loose materials and cleaning.

32 01 17 61-0001		<b>Hot-Applied, Pourable, Self-Adhesive Asphalt Binder Compounded With Standard Weight Aggregate Longitudinal Crack And Sealing Repair</b> <small>(32 01 17 61)</small>	
		Note: Includes removing loose materials and cleaning.	
32 01 17 61-0002	LF	Up To 200 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	1.63
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	
		For 3/4" x 1/2" Fill, Add	0.45
		For 1" x 1/2" Fill, Add	0.86
		For Backer Rod, Add	0.93
32 01 17 61-0003	LF	>200 To 500 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	1.33
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	
		For 3/4" x 1/2" Fill, Add	0.38
		For 1" x 1/2" Fill, Add	0.72
		For Backer Rod, Add	0.84
32 01 17 61-0004	LF	>500 To 2,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	1.06
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	
		For 3/4" x 1/2" Fill, Add	0.31
		For 1" x 1/2" Fill, Add	0.58
		For Backer Rod, Add	0.75
32 01 17 61-0005	LF	>2,000 To 5,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	0.91
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	
		For 3/4" x 1/2" Fill, Add	0.27
		For 1" x 1/2" Fill, Add	0.51
		For Backer Rod, Add	0.70
32 01 17 61-0006	LF	>5,000 To 10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	0.81
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	
		For 3/4" x 1/2" Fill, Add	0.24
		For 1" x 1/2" Fill, Add	0.45
		For Backer Rod, Add	0.66
32 01 17 61-0007	LF	>10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	0.75
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	
		For 3/4" x 1/2" Fill, Add	0.22
		For 1" x 1/2" Fill, Add	0.41
		For Backer Rod, Add	0.63
32 01 17 61-0008	LF	Up To 200 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	2.81
32 01 17 61-0009	LF	>200 To 500 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	2.27
32 01 17 61-0010	LF	>500 To 2,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	1.76
32 01 17 61-0011	LF	>2,000 To 5,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	1.54
32 01 17 61-0012	LF	>5,000 To 10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	1.39
32 01 17 61-0013	LF	>10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	1.29
32 01 17 61-0014	LF	For Routing And Cleaning Of Crack, Add Per 1/2" Depth.....	0.50

**32 01 17 63 Flexible Pavement Repair** (32 01 17)**32 01 17 63-0001 Temporary Pot Hole Repair** (32 01 17 63)

Note: Includes removal of loose material and moisture, bonding agent, compaction, safety cones and hauling up to 15 miles. Excludes signage, barricades, flagmen, field survey or marking. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

32 01 17 63-0002	EA	Temporary Pot Hole Repairs With Cold Mix Modified, Up To 3 Tons.....	1,623.18
32 01 17 63-0003	TON	Temporary Pot Hole Repairs With Cold Mix Modified.....	492.55
		Note: Use for each ton over 3 tons.	
32 01 17 63-0004	EA	Temporary Pot Hole Repairs With Cold Mix, Up To 3 Tons.....	1,545.09
32 01 17 63-0005	TON	Temporary Pot Hole Repairs With Cold Mix.....	466.52
		Note: Use for each ton over 3 tons.	
32 01 17 63-0006	EA	Temporary Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons.....	1,506.04
32 01 17 63-0007	TON	Temporary Pot Hole Repairs With Hot Mix Modified.....	453.50
		Note: Use for each ton over 3 tons.	
32 01 17 63-0008	EA	Temporary Pot Hole Repairs With Hot Mix, Up To 3 Tons.....	1,466.99
32 01 17 63-0009	TON	Temporary Pot Hole Repairs With Hot Mix.....	440.48
		Note: Use for each ton over 3 tons.	

**32 01 17 63-0010 Permanent Pot Hole Repair** (32 01 17 63)

Note: Includes removal of loose material and moisture, saw cutting, chipping, squaring off, bonding agent, compaction and hauling up to 15 miles. Tasks do not include signage, barricades, flagmen, field survey or marking. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

32 01 17 63-0011	EA	Permanent Pot Hole Repairs With Cold Mix, Up To 3 Tons.....	1,736.39
32 01 17 63-0012	TON	Permanent Pot Hole Repairs With Cold Mix.....	564.75
		Note: Use for each ton over 3 tons.	
32 01 17 63-0013	EA	Permanent Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons.....	1,697.34
32 01 17 63-0014	TON	Permanent Pot Hole Repairs With Hot Mix Modified.....	551.73
		Note: Use for each ton over 3 tons.	
32 01 17 63-0015	EA	Permanent Pot Hole Repairs With Hot Mix, Up To 3 Tons.....	1,658.29
32 01 17 63-0016	TON	Permanent Pot Hole Repairs With Hot Mix.....	538.71
		Note: Use for each ton over 3 tons.	

	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 01 17 63-0017	<b>Grind Asphalt</b> <small>(32 01 17 63)</small>			
32 01 17 63-0018	SY Grinding Asphalt To Level Bump Or Raised Area.....		19.86	

32 01 17 63-0019	<b>Asphalt Placement For Small Repairs</b> <small>(32 01 17 63)</small>			
<small>Note: This section is used for placing up to 100 tons of asphalt after a small area of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc. Includes mobilization of paving equipment such as a roller, placing the asphalt, compaction and hauling up to 15 miles. Excludes saw cutting, demolition of existing pavement, and new subbase material. Use approximately 0.055 tons per square yard per inch of depth. See CSI section 02 41 19 13-0001 for saw cutting, 32 12 16 13-0000 for areas requiring more than 100 tons.</small>				
32 01 17 63-0020	EA Asphalt Placement For Small Repair Areas, Cold Mix Modified, Up To 3 Tons.....		2,275.63	
32 01 17 63-0021	TON Asphalt Placement For Small Repair Areas, Cold Mix Modified .....		301.81	
32 01 17 63-0022	EA Asphalt Placement For Small Repair Areas, Cold Mix, Up To 3 Tons .....		2,197.54	
32 01 17 63-0023	TON Asphalt Placement For Small Repair Areas, Cold Mix.....		275.78	
32 01 17 63-0024	EA Asphalt Placement For Small Repair Areas, Hot Mix Modified, Up To 3 Tons.....		2,158.49	
32 01 17 63-0025	TON Asphalt Placement For Small Repair Areas, Hot Mix Modified .....		262.76	
32 01 17 63-0026	EA Asphalt Placement For Small Repair Areas, Hot Mix, Up To 3 Tons .....		2,119.44	
32 01 17 63-0027	TON Asphalt Placement For Small Repair Areas, Hot Mix.....		249.74	

**32 01 26 Rigid Paving Rehabilitation** (32 01)

**32 01 26 71 Grooving of Concrete Paving** (32 01 26)

32 01 26 71-0001	<b>Roadway Grooving</b> <small>(32 01 26 71)</small>			
32 01 26 71-0002	EA First 500 SY Of Pavement Grooving, Concrete, Longitudinal .....		3,805.79	
32 01 26 71-0003	SY Each SY Over First 500 SY Of Pavement Grooving, Concrete, Longitudinal .....		3.52	
32 01 26 71-0004	EA First 500 SY Of Pavement Grooving, Concrete, Traverse .....		4,239.79	
32 01 26 71-0005	SY Each SY Over First 500 SY Of Pavement Grooving, Concrete, Traverse .....		4.59	

32 01 26 71-0006	<b>Rumble Strips</b> <small>(32 01 26 71)</small>			
32 01 26 71-0007	EA First 5280 LF Of MIARDS, Rumble Strips, Asphalt.....		4,102.79	
32 01 26 71-0008	LF Each LF Over First 5280 LF Of MIARDS, Rumble Strips, Asphalt.....		0.74	
32 01 26 71-0009	EA First 2000 LF Of MIARDS, Rumble Strips, Concrete .....		4,572.19	
32 01 26 71-0010	LF Each LF Over First 2000 LF Of MIARDS, Rumble Strips, Concrete.....		0.84	

**32 01 26 73 Milling Of Concrete Paving** (32 01 26)

32 01 26 73-0001	<b>Removal Of Concrete</b> <small>(32 01 26 73)</small>			
<small>Note: Includes direct loading into truck.</small>				
32 01 26 73-0002	<b>Production Milling Of Roads And Parking Areas</b> <small>(32 01 26 73-0001)</small>			
<small>Note: For removal of entire lanes of roads or parking areas. Includes work around man holes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0039 for hauling.</small>				
32 01 26 73-0003	SY Production Milling Of Concrete Per Inch.....		6.59	
32 01 26 73-0004	<b>Limited Production Milling</b> <small>(32 01 26 73-0001)</small>			
<small>Note: For cross sections of roadways, trenching, partial shoulders, and other small or narrow areas. Includes work around man holes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0039 for hauling.</small>				
32 01 26 73-0005	SY Limited Production Milling Of Concrete Per Inch .....		41.40	

**32 01 90 Operation and Maintenance of Planting** (32 01)

Note: These tasks are to be used as requested by the owner to maintain existing conditions.

**32 01 90 13 Fertilizing** (32 01 90)

32 01 90 13-0001	MSF Fertilizer - 2 LB Of Nitrogen/MSF (Granular) .....		14.06	
32 01 90 13-0002	MSF Fertilizer - 2 LB Of Nitrogen/MSF (Liquid).....		10.03	
32 01 90 13-0003	MSF Fertilizer - 0.5 LB Of Nitrogen/MSF (Granular) .....		11.02	
32 01 90 13-0004	MSF Fertilizer - 0.5 LB Of Nitrogen/MSF (Liquid).....		8.97	

**32 01 90 23 Pruning** (32 01 90)

**32 Exterior Improvements****32 01 Operation and Maintenance of Exterior Improvements****32 01 90 Operation and Maintenance of Planting**
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32 01 90 23-001	<b>Tree Pruning</b> <small>(32 01 90 23)</small>		
	Note: Types of pruning for mature trees (these standards are established by the ISA - International Society of Arboriculture). Includes loading onto truck or dumpster.		
32 01 90 23-002	<b>Tree Pruning; Crown Cleaning</b> <small>(32 01 90 23-0001)</small>		
	Note: Crown cleaning or cleaning out is the removal of dead, dying, diseased, crowded, weakly attached, and low-vigor branches and waterspouts from a tree crown.		
32 01 90 23-0003	EA 1-1/2" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	28.44	
32 01 90 23-0004	EA 2" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	32.51	
32 01 90 23-0005	EA 2-1/2" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	36.57	
32 01 90 23-0006	EA 3" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	40.64	
32 01 90 23-0007	EA 4" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	61.76	
32 01 90 23-0008	EA 4" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	104.29	
32 01 90 23-0009	EA 6" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	108.08	
32 01 90 23-0010	EA 6" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	198.63	
32 01 90 23-0011	EA 9" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	173.07	
32 01 90 23-0012	EA 9" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	317.74	
32 01 90 23-0013	EA 12" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	199.98	
32 01 90 23-0014	EA 12" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	367.45	
32 01 90 23-0015	EA 18" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	232.48	
32 01 90 23-0016	EA 18" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	427.03	
32 01 90 23-0017	EA 24" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	282.98	
32 01 90 23-0018	EA 24" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	516.50	
32 01 90 23-0019	EA 30" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	351.53	
32 01 90 23-0020	EA 30" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	650.95	
32 01 90 23-0021	EA 36" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	481.48	
32 01 90 23-0022	EA 36" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	882.26	
32 01 90 23-0023	EA 48" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	763.84	
32 01 90 23-0024	EA 48" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	1,418.81	
32 01 90 23-0025	<b>Tree Pruning; Crown Thinning</b> <small>(32 01 90 23-0001)</small>		
	Note: Crown thinning includes crown cleaning and the selective removal of branches to increase light penetration and air movement into the crown. Increased light and air stimulates and maintains interior foliage, which in turn improves branch taper and strength. Thinning reduces the wind-sail effect of the crown and the weight of the heavy limbs. Thinning the crown can emphasize the structural beauty of the trunk and branches as well as improve the growth of plants beneath the tree by increasing light penetration. When thinning the crown of mature trees, seldom should more than one-third of the live foliage be removed. At least one-half of the foliage should be on branches that arise in the lower two-thirds of the trees. Likewise, when thinning laterals from a limb, an effort should be made to retain inner lateral branches and leave the same distribution of foliage along the branch. Trees and branches so pruned will have stress more evenly distributed throughout the tree or along a branch.		
32 01 90 23-0026	EA 1-1/2" Caliper, Tree Pruning (Crown Thinning), By Hand.....	34.87	
32 01 90 23-0027	EA 2" Caliper, Tree Pruning (Crown Thinning), By Hand.....	39.83	
32 01 90 23-0028	EA 2-1/2" Caliper, Tree Pruning (Crown Thinning), By Hand.....	44.78	
32 01 90 23-0029	EA 3" Caliper, Tree Pruning (Crown Thinning), By Hand.....	49.82	
32 01 90 23-0030	EA 4" Caliper, Tree Pruning (Crown Thinning), By Hand.....	75.67	
32 01 90 23-0031	EA 4" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment.....	127.73	
32 01 90 23-0032	EA 6" Caliper, Tree Pruning (Crown Thinning), By Hand.....	132.39	
32 01 90 23-0033	EA 6" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment.....	243.32	
32 01 90 23-0034	EA 9" Caliper, Tree Pruning (Crown Thinning), By Hand.....	212.04	
32 01 90 23-0035	EA 9" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment.....	389.22	
32 01 90 23-0036	EA 12" Caliper, Tree Pruning (Crown Thinning), By Hand.....	244.96	
32 01 90 23-0037	EA 12" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment.....	450.10	
32 01 90 23-0038	EA 18" Caliper, Tree Pruning (Crown Thinning), By Hand.....	284.78	
32 01 90 23-0039	EA 18" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment.....	523.11	
32 01 90 23-0040	EA 24" Caliper, Tree Pruning (Crown Thinning), By Hand.....	346.63	
32 01 90 23-0041	EA 24" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment.....	632.74	
32 01 90 23-0042	EA 30" Caliper, Tree Pruning (Crown Thinning), By Hand.....	430.59	
32 01 90 23-0043	EA 30" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment.....	797.42	
32 01 90 23-0044	EA 36" Caliper, Tree Pruning (Crown Thinning), By Hand.....	589.79	
32 01 90 23-0045	EA 36" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment.....	1,080.76	
32 01 90 23-0046	EA 48" Caliper, Tree Pruning (Crown Thinning), By Hand.....	935.70	
32 01 90 23-0047	EA 48" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment.....	1,738.04	
32 01 90 23-0048	<b>Tree Pruning; Crown Raising</b> <small>(32 01 90 23-0001)</small>		
	Note: Crown raising removes the lower branches of a tree in order to provide clearance for buildings, vehicles, pedestrians, and vistas. It is important that a tree have at least one-half of its foliage on branches that originate in the lower two-thirds of its trunk to ensure a well-formed, tapered structure and to uniformly distribute stress within a tree. When pruning for view, it is preferable to develop "windows" through the foliage of the tree, rather than to severely raise or reduce the crown.		
32 01 90 23-0049	EA 1-1/2" Caliper, Tree Pruning (Crown Raising), By Hand.....	38.44	
32 01 90 23-0050	EA 2" Caliper, Tree Pruning (Crown Raising), By Hand.....	43.89	
32 01 90 23-0051	EA 2-1/2" Caliper, Tree Pruning (Crown Raising), By Hand.....	49.41	
32 01 90 23-0052	EA 3" Caliper, Tree Pruning (Crown Raising), By Hand.....	54.86	
32 01 90 23-0053	EA 4" Caliper, Tree Pruning (Crown Raising), By Hand.....	83.39	
32 01 90 23-0054	EA 4" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment.....	140.83	
32 01 90 23-0055	EA 6" Caliper, Tree Pruning (Crown Raising), By Hand.....	145.88	
32 01 90 23-0056	EA 6" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment.....	268.16	
32 01 90 23-0057	EA 9" Caliper, Tree Pruning (Crown Raising), By Hand.....	233.66	
32 01 90 23-0058	EA 9" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment.....	428.95	
32 01 90 23-0059	EA 12" Caliper, Tree Pruning (Crown Raising), By Hand.....	269.99	
32 01 90 23-0060	EA 12" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment.....	496.08	
32 01 90 23-0061	EA 18" Caliper, Tree Pruning (Crown Raising), By Hand.....	313.88	
32 01 90 23-0062	EA 18" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment.....	576.53	
32 01 90 23-0063	EA 24" Caliper, Tree Pruning (Crown Raising), By Hand.....	382.06	
32 01 90 23-0064	EA 24" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment.....	697.30	



Table header with columns: MINOR, CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST

Table of tree pruning services including 30", 36", and 48" caliper trees with various methods like crown raising and aerial lift equipment.

32 01 90 23-0071 Tree Pruning; Crown Reduction (32 01 90 23-0001)

Note: Crown reduction is used to reduce the height and/or spread of a tree. Thinning cuts are most effective in maintaining the structural integrity and natural form of a tree...

Detailed table of crown reduction services for various tree calipers (1-1/2" to 48") and methods.

32 01 90 23-0094 Tree Pruning; Crown Restoration (32 01 90 23-0001)

Note: Crown restoration can improve the structure and appearance of trees that have been topped or severely pruned using heading cuts...

Detailed table of crown restoration services for various tree calipers (1-1/2" to 48") and methods.

32 01 90 23-0117 Shrub Pruning (32 01 90 23)

Table of shrub pruning services for different heights and methods.

32 01 90 23-0124 Root Pruning (32 01 90 23)

Note: Cut roots cleanly after excavation with clean, sharp tools, to promote callus formation and wound closure. Wounds to be dressed with a tree rooting hormone compound...

Table of root pruning services for various tree calipers and methods.

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32 01 90 23-0130	EA	Root Pruning, One Side Of >4" To 6" Caliper Tree.....	60.95
32 01 90 23-0131	EA	Root Pruning, One Side Of >6" To 9" Caliper Tree.....	85.33
32 01 90 23-0132	EA	Root Pruning, One Side Of >9" To 12" Caliper Tree.....	97.53
32 01 90 23-0133	EA	Root Pruning, One Side Of >12" To 18" Caliper Tree.....	113.79
32 01 90 23-0134	EA	Root Pruning, One Side Of >18" To 24" Caliper Tree.....	142.23
32 01 90 23-0135	EA	Root Pruning, One Side Of >24" To 30" Caliper Tree.....	174.74
32 01 90 23-0136	EA	Root Pruning, One Side Of >30" To 36" Caliper Tree.....	203.18
32 01 90 23-0137	EA	Root Pruning, One Side Of >36" To 42" Caliper Tree.....	223.50
32 01 90 23-0138	EA	Root Pruning, One Side Of >42" To 48" Caliper Tree.....	243.82

**32 01 90 26 Watering** (32 01 90)

Note: Includes delivered water. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant.

**32 01 90 26-0001 Watering Lawns, Plants And Trees** (32 01 90 26)

Note: Includes delivered water and watering truck. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant. These tasks are to be used as requested by the owner for extended watering period for lawns, plants and trees.

32 01 90 26-0002	MSF	Watering Sod/Grass, Per Inch Of Water .....	42.97
32 01 90 26-0003	CSF	Watering Groundcover.....	6.68
32 01 90 26-0004	CSF	Watering Annuals And Perennials .....	11.87
32 01 90 26-0005	EA	Watering Trees, 1-1/2" To 5" Diameter By Hand .....	23.05
32 01 90 26-0006	EA	Watering Trees, 6" To 12" Diameter By Hand.....	30.30
32 01 90 26-0007	EA	Watering Trees, 13" To 18" Diameter By Hand.....	37.55
32 01 90 26-0008	EA	Watering Trees, >18" Diameter By Hand.....	46.23
32 01 90 26-0009	EA	Watering Shrub Or Bush By Hand .....	11.59

**32 01 90 36 Weed and Brush Control** (32 01 90)**32 01 90 36-0001 Herbicide, Push Or Hand Spreader Applied** (32 01 90 36)

32 01 90 36-0002	MSF	Non-Selective Post Emergent Weed Herbicide (70.4 oz/acre or 1.62 oz/MSF) .....	7.45
		<i>For &gt;45 To 90, Deduct</i>	-0.41
		<i>For &gt;90 To 225, Deduct</i>	-1.15
		<i>For &gt;225 To 870, Deduct</i>	-1.90
		<i>For &gt;870, Deduct</i>	-2.30
32 01 90 36-0003	MSF	Non-Selective Post Emergent Woody Brush And Tree Herbicide (128 oz/acre or 2.94 oz/MSF) .....	7.99
		<i>For &gt;45 To 90, Deduct</i>	-0.46
		<i>For &gt;90 To 225, Deduct</i>	-1.26
		<i>For &gt;225 To 870, Deduct</i>	-2.06
		<i>For &gt;870, Deduct</i>	-2.52
32 01 90 36-0004	MSF	Selective Weed Herbicide (56 oz/Acre or 1.28 oz/MSF) .....	7.96
		Note: Includes pre and post emergent.	
		<i>For &gt;45 To 90, Deduct</i>	-0.46
		<i>For &gt;90 To 225, Deduct</i>	-1.25
		<i>For &gt;225 To 870, Deduct</i>	-2.05
		<i>For &gt;870, Deduct</i>	-2.50
32 01 90 36-0005	MSF	Selective Woody Brush And Tree Herbicide (72 oz/acre or 1.65 oz/MSF).....	8.29
		Note: Includes pre and post emergents.	
		<i>For &gt;45 To 90, Deduct</i>	-0.49
		<i>For &gt;90 To 225, Deduct</i>	-1.32
		<i>For &gt;225 To 870, Deduct</i>	-2.15
		<i>For &gt;870, Deduct</i>	-2.64

**32 01 90 39 Pesticides** (32 01 90)

32 01 90 39-0001	MSF	Pesticide - Surface Eating.....	10.50
32 01 90 39-0002	MSF	Pesticide - Subsurface Eating.....	10.54
32 01 90 39-0003	MSF	Pesticide - Fungicide Application .....	11.51

**32 10 Bases, Ballasts, and Paving** (32)**32 11 Base Courses** (32 10)**32 11 16 Subbase Courses** (32 11)**32 11 16 16 Aggregate Subbase Courses** (32 11 16)

32 11 16 16-0001		Base And Subbase Courses For Roadways And Parking Areas <small>(32 11 16 16)</small> Note: Includes 3/4" To 1-1/2" aggregate material, hauling up to 15 miles, dumping, spreading, grading, compacting and watering. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.	
32 11 16 16-0002		Base And Subbase Courses By The CY <small>(32 11 16 16-0001)</small>	
32 11 16 16-0003	CY	Class II Graded Crushed Aggregate Roadway Base Course .....	85.68
32 11 16 16-0004	CY	Class III Graded Crushed Aggregate Roadway Base Course .....	82.86
32 11 16 16-0005		Class II Base Courses By The SY <small>(32 11 16 16-0001)</small>	
32 11 16 16-0006	SY	2" Class II Graded Crushed Aggregate Base Course .....	4.70
		<i>For Up To 500, Add</i>	1.24
		<i>For &gt;500 To 1,000, Add</i>	0.47
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.18
		<i>For &gt;10,000, Deduct</i>	-0.31

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 11 16 16-0007	SY		4" Class II Crushed Aggregate Base Course.....	9.42	
			For Up To 500, Add	2.48	
			For >500 To 1,000, Add	0.94	
			For >5,000 To 10,000, Deduct	-0.36	
			For >10,000, Deduct	-0.61	
32 11 16 16-0008	SY		6" Class II Crushed Aggregate Base Course.....	14.12	
			For Up To 500, Add	3.72	
			For >500 To 1,000, Add	1.41	
			For >5,000 To 10,000, Deduct	-0.54	
			For >10,000, Deduct	-0.92	
32 11 16 16-0009	SY		9" Class II Crushed Aggregate Base Course.....	21.18	
			For Up To 500, Add	5.58	
			For >500 To 1,000, Add	2.12	
			For >5,000 To 10,000, Deduct	-0.80	
			For >10,000, Deduct	-1.38	
32 11 16 16-0010	SY		12" Class II Crushed Aggregate Base Course.....	28.25	
			For Up To 500, Add	7.44	
			For >500 To 1,000, Add	2.83	
			For >5,000 To 10,000, Deduct	-1.07	
			For >10,000, Deduct	-1.84	

**32 11 23 Aggregate Base Courses (32 11)**

**32 11 23 16 Aggregate Base Courses (32 11 23)**

**32 11 23 16-0001 Base Courses For Sidewalk (Asphalt Or Concrete) (32 11 23 16)**

Note: Includes material, hauling up to 15 miles, placement, spreading, grading, and compaction. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

32 11 23 16-0002	SF		2" Crushed Aggregate Base Course For Sidewalks .....	0.57	
			For Up To 1,000, Add	0.16	
			For >1,000 To 2,500, Add	0.06	
32 11 23 16-0003	SF		3" Crushed Aggregate Base Course For Sidewalks .....	0.81	
			For Up To 1,000, Add	0.23	
			For >1,000 To 2,500, Add	0.08	
32 11 23 16-0004	SF		4" Crushed Aggregate Base Course For Sidewalks .....	1.07	
			For Up To 1,000, Add	0.30	
			For >1,000 To 2,500, Add	0.11	
32 11 23 16-0005	SF		5" Crushed Aggregate Base Course For Sidewalks .....	1.37	
			For Up To 1,000, Add	0.38	
			For >1,000 To 2,500, Add	0.14	
32 11 23 16-0006	SF		6" Crushed Aggregate Base Course For Sidewalks .....	1.67	
			For Up To 1,000, Add	0.47	
			For >1,000 To 2,500, Add	0.17	
32 11 23 16-0007	SF		7" Crushed Aggregate Base Course For Sidewalks .....	1.93	
			For Up To 1,000, Add	0.54	
			For >1,000 To 2,500, Add	0.19	
32 11 23 16-0008	SF		8" Crushed Aggregate Base Course For Sidewalks .....	2.19	
			For Up To 1,000, Add	0.61	
			For >1,000 To 2,500, Add	0.22	

**32 11 26 Asphaltic Base Courses (32 11)**

**32 11 26 19 Bituminous-Stabilized Base Courses (32 11 26)**

**32 11 26 19-0001 Bituminous-Stabilized Base Courses (32 11 26 19)**

32 11 26 19-0002	CY		Bituminous Stabilized Base Course.....	108.85	
			Note: 3/4" ASTM C33.		

**32 12 Flexible Paving (32 10)**

**32 12 13 Preparatory Coats (32 12)**

**32 12 13 13 Tack Coats (32 12 13)**

32 12 13 13-0001	SY		Tack Coat, 0.04 Gallon/SY .....	0.56	
			For Up To 150, Add	0.11	
			For >150 To 300, Add	0.06	
			For >300 To 500, Add	0.03	
			For >3,500 To 5,000, Deduct	-0.01	
			For >5,000, Deduct	-0.03	
32 12 13 13-0002	SY		Tack Coat, 0.05 Gallon/SY .....	0.61	
			For Up To 150, Add	0.12	
			For >150 To 300, Add	0.06	
			For >300 To 500, Add	0.03	
			For >3,500 To 5,000, Deduct	-0.02	
			For >5,000, Deduct	-0.04	
32 12 13 13-0003	SY		Tack Coat, 0.07 Gallon/SY .....	0.72	
			For Up To 150, Add	0.15	
			For >150 To 300, Add	0.07	
			For >300 To 500, Add	0.04	
			For >3,500 To 5,000, Deduct	-0.02	
			For >5,000, Deduct	-0.05	
32 12 13 13-0004	SY		Tack Coat, 0.08 Gallon/SY .....	0.78	
			For Up To 150, Add	0.16	
			For >150 To 300, Add	0.08	
			For >300 To 500, Add	0.04	
			For >3,500 To 5,000, Deduct	-0.02	
			For >5,000, Deduct	-0.05	

**32 Exterior Improvements**

**32 10 Bases, Ballasts, and Paving**

**32 12 Flexible Paving**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 12 13 13-0005	SY	Tack Coat, 0.10 Gallon/SY	.....	0.88	
		<i>For Up To 150, Add</i>		0.19	
		<i>For &gt;150 To 300, Add</i>		0.09	
		<i>For &gt;300 To 500, Add</i>		0.04	
		<i>For &gt;3,500 To 5,000, Deduct</i>		-0.02	
		<i>For &gt;5,000, Deduct</i>		-0.06	
32 12 13 13-0006	SY	Tack Coat, 0.11 Gallon/SY	.....	0.94	
		<i>For Up To 150, Add</i>		0.20	
		<i>For &gt;150 To 300, Add</i>		0.09	
		<i>For &gt;300 To 500, Add</i>		0.05	
		<i>For &gt;3,500 To 5,000, Deduct</i>		-0.02	
		<i>For &gt;5,000, Deduct</i>		-0.06	

**32 12 13 19 Prime Coats (32 12 13)**

32 12 13 19-0001	SY	Surface Prime Coat, 0.26 Gallon/SY	.....	1.55	
		<i>For Up To 150, Add</i>		0.35	
		<i>For &gt;150 To 300, Add</i>		0.16	
		<i>For &gt;300 To 500, Add</i>		0.08	
		<i>For &gt;3,500 To 5,000, Deduct</i>		-0.04	
		<i>For &gt;5,000, Deduct</i>		-0.11	
32 12 13 19-0002	SY	Surface Prime Coat, 0.28 Gallon/SY	.....	1.63	
		<i>For Up To 150, Add</i>		0.37	
		<i>For &gt;150 To 300, Add</i>		0.16	
		<i>For &gt;300 To 500, Add</i>		0.08	
		<i>For &gt;3,500 To 5,000, Deduct</i>		-0.04	
		<i>For &gt;5,000, Deduct</i>		-0.11	
32 12 13 19-0003	SY	Surface Prime Coat, 0.30 Gallon/SY	.....	1.72	
		<i>For Up To 150, Add</i>		0.39	
		<i>For &gt;150 To 300, Add</i>		0.17	
		<i>For &gt;300 To 500, Add</i>		0.09	
		<i>For &gt;3,500 To 5,000, Deduct</i>		-0.04	
		<i>For &gt;5,000, Deduct</i>		-0.12	

**32 12 16 Asphalt Paving (32 12)**

**32 12 16 13 Plant-Mix Asphalt Paving (32 12 16)**

Note: Includes delivery up to 15 miles, placement, rolling, finishing and sweeping. Excludes base, tack or price coat, seal coats and roadway fabrics (where required). See CSI section 01 74 19 00-0039 for hauling greater than 15 miles, 32 11 00 00-0000 for base courses, 32 12 13 13-0000 for tack coats, 32 12 13 19-0000 for prime coats, 32 12 16 39-0000 for roadway fabrics, 32 12 36 00-0000 for seal coats.

**32 12 16 13-0001 Intermediate Binder Courses, Hot Mix Asphalt (HMA) (32 12 16 13)**

Note: Meets Caltrans requirements.

32 12 16 13-0002	TON	Bituminous Hot Mix Intermediate Course 3,954 LB/CY	.....	149.67	
		Note: Includes Type A and Type B with 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping. Used for applications not described elsewhere in this section.			
		<i>For Warm Mix Additive, Add</i>		7.77	
		<i>For Up To 25, Add</i>		20.38	
		<i>For &gt;25 To 50, Add</i>		11.24	
		<i>For &gt;500 To 1,000, Deduct</i>		-6.40	
		<i>For &gt;1,000 To 2,500, Deduct</i>		-11.61	
		<i>For &gt;2,500 To 5,000, Deduct</i>		-18.02	
		<i>For &gt;5,000, Deduct</i>		-25.83	
32 12 16 13-0003	SY	1" Thick Bituminous Hot Mix Binder Course	.....	8.47	
		Note: Includes placement, rolling, finishing and sweeping.			
		<i>For Up To 1,000, Add</i>		1.19	
		<i>For &gt;1,000 To 2,000, Add</i>		0.66	
		<i>For &gt;10,000 To 20,000, Deduct</i>		-0.37	
		<i>For &gt;20,000 To 50,000, Deduct</i>		-0.67	
		<i>For &gt;50,000 To 100,000, Deduct</i>		-1.03	
		<i>For &gt;100,000, Deduct</i>		-1.49	
32 12 16 13-0004	SY	1-1/2" Thick Bituminous Hot Mix Binder Course	.....	12.58	
		Note: Includes placement, rolling, finishing and sweeping.			
		<i>For Up To 700, Add</i>		1.75	
		<i>For &gt;700 To 1,400, Add</i>		0.97	
		<i>For &gt;7,000 To 14,000, Deduct</i>		-0.55	
		<i>For &gt;14,000 To 32,000, Deduct</i>		-1.00	
		<i>For &gt;32,000 To 64,000, Deduct</i>		-1.54	
		<i>For &gt;64,000, Deduct</i>		-2.22	
32 12 16 13-0005	SY	2" Thick Bituminous Hot Mix Binder Course	.....	16.27	
		Note: Includes placement, rolling, finishing and sweeping.			
		<i>For Up To 500, Add</i>		2.19	
		<i>For &gt;500 To 1,000, Add</i>		1.21	
		<i>For &gt;5,000 To 10,000, Deduct</i>		-0.72	
		<i>For &gt;10,000 To 24,000, Deduct</i>		-1.31	
		<i>For &gt;24,000 To 48,000, Deduct</i>		-2.03	
		<i>For &gt;48,000, Deduct</i>		-2.91	
32 12 16 13-0006	SY	2-1/2" Thick Bituminous Hot Mix Binder Course	.....	20.55	
		Note: Includes placement, rolling, finishing and sweeping.			
		<i>For Up To 400, Add</i>		2.80	
		<i>For &gt;400 To 800, Add</i>		1.54	
		<i>For &gt;4,000 To 8,000, Deduct</i>		-0.90	
		<i>For &gt;8,000 To 20,000, Deduct</i>		-1.64	
		<i>For &gt;20,000 To 40,000, Deduct</i>		-2.55	
		<i>For &gt;40,000, Deduct</i>		-3.66	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 12 16 13-0007	SY	3" Thick Bituminous Hot Mix Binder Course .....	24.65	
		Note: Includes placement, rolling, finishing and sweeping.		
		For Up To 340, Add	3.36	
		For >340 To 680, Add	2.84	
		For >3,400 To 6,800, Deduct	-1.08	
		For >6,800 To 17,000, Deduct	-1.97	
		For >17,000 To 34,000, Deduct	-3.06	
		For >34,000, Deduct	-4.39	
32 12 16 13-0008	SY	3-1/2" Thick Bituminous Hot Mix Binder Course .....	28.76	
		Note: Includes placement, rolling, finishing and sweeping.		
		For Up To 280, Add	3.92	
		For >280 To 560, Add	2.16	
		For >2,800 To 5,600, Deduct	-1.26	
		For >5,600 To 14,000, Deduct	-2.30	
		For >14,000 To 28,000, Deduct	-3.56	
		For >28,000, Deduct	-5.12	
32 12 16 13-0009	SY	4" Thick Bituminous Hot Mix Binder Course .....	32.86	
		Note: Includes placement, rolling, finishing and sweeping.		
		For Up To 250, Add	4.47	
		For >250 To 500, Add	2.47	
		For >2,500 To 5,000, Deduct	-1.45	
		For >5,000 To 12,000, Deduct	-2.63	
		For >12,000 To 24,000, Deduct	-4.07	
		For >24,000, Deduct	-5.85	
32 12 16 13-0010	SY	5" Thick Bituminous Hot Mix Binder Course .....	41.09	
		Note: Includes placement, rolling, finishing and sweeping.		
		For Up To 200, Add	5.60	
		For >200 To 400, Add	3.09	
		For >2,000 To 4,000, Deduct	-1.81	
		For >4,000 To 10,000, Deduct	-3.29	
		For >10,000 To 20,000, Deduct	-5.09	
		For >20,000, Deduct	-7.31	
32 12 16 13-0011	SY	6" Thick Bituminous Hot Mix Binder Course .....	49.31	
		Note: Includes placement, rolling, finishing and sweeping.		
		For Up To 160, Add	6.71	
		For >160 To 320, Add	3.70	
		For >1,600 To 3,200, Deduct	-2.17	
		For >3,200 To 8,000, Deduct	-3.94	
		For >8,000 To 16,000, Deduct	-6.11	
		For >16,000, Deduct	-8.77	

### 32 12 16 13-0012 Surface Courses, Hot Mix Asphalt (HMA) (32 12 16 13)

		Note: Meets Caltrans requirements.		
32 12 16 13-0013	TON	Bituminous Hot Mix Surface Course 3954 LB/CY .....	151.72	
		Note: Includes Type A and Type B with 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping. Used for applications not described elsewhere in this section.		
		For PG64-10 Asphalt, Add	2.85	
		For Warm Mix Additive, Add	7.42	
		For Up To 25, Add	21.94	
		For >25 To 50, Add	12.29	
		For >500 To 1,000, Deduct	-6.24	
		For >1,000 To 2,500, Deduct	-11.33	
		For >2,500 To 5,000, Deduct	-17.57	
		For >5,000, Deduct	-25.22	
32 12 16 13-0014	TON	Tire Rubber Modified Paving Asphalt (TRMAC) Surface Course (MAC-15TR) .....	168.26	
		Note: Includes 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping.		
		For Warm Mix Additive, Add	8.09	
		For Up To 25, Add	24.72	
		For >25 To 50, Add	13.90	
		For >500 To 1,000, Deduct	-6.84	
32 12 16 13-0015	TON	Asphalt Rubberized Hot Mix (ARHM) Surface Course .....	179.67	
		Note: Includes 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping.		
		For Warm Mix Additive, Add	8.83	
		For Up To 25, Add	25.86	
		For >25 To 50, Add	14.47	
		For >500 To 1,000, Deduct	-7.41	
		For >1,000 To 2,500, Deduct	-13.46	
		For >2,500 To 5,000, Deduct	-20.87	
		For >5,000, Deduct	-29.95	
32 12 16 13-0016	SY	1" Thick Bituminous Hot Mix Surface Course .....	8.24	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	0.15	
		For Up To 1,000, Add	1.23	
		For >1,000 To 2,000, Add	0.69	
		For >10,000 To 20,000, Deduct	-0.34	
		For >20,000 To 50,000, Deduct	-0.63	
		For >50,000 To 100,000, Deduct	-0.97	
		For >100,000, Deduct	-1.40	
32 12 16 13-0017	SY	1-1/2" Thick Bituminous Hot Mix Surface Course .....	12.22	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	0.22	
		For Up To 700, Add	1.81	
		For >700 To 1,400, Add	1.02	
		For >7,000 To 14,000, Deduct	-0.51	
		For >14,000 To 32,000, Deduct	-0.94	
		For >32,000 To 64,000, Deduct	-1.45	
		For >64,000, Deduct	-2.09	

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 12 Flexible Paving**
 MINOR  
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 TOTAL DIRECT DEMOLITION  
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32 12 16 13-0018	SY	2" Thick Bituminous Hot Mix Surface Course .....	15.71
		Note: Includes placement, rolling, finishing and sweeping.	
		For PG64-10 Asphalt, Add	0.30
		For Up To 500, Add	2.25
		For >500 To 1,000, Add	1.25
		For >5,000 To 10,000, Deduct	-0.67
		For >10,000 To 24,000, Deduct	-1.23
		For >24,000 To 48,000, Deduct	-1.90
		For >48,000, Deduct	-2.73
32 12 16 13-0019	SY	2-1/2" Thick Bituminous Hot Mix Surface Course .....	19.88
		Note: Includes placement, rolling, finishing and sweeping.	
		For PG64-10 Asphalt, Add	0.37
		For Up To 400, Add	2.87
		For >400 To 800, Add	1.61
		For >4,000 To 8,000, Deduct	-0.85
		For >8,000 To 20,000, Deduct	-1.54
		For >20,000 To 40,000, Deduct	-2.39
		For >40,000, Deduct	-3.43
32 12 16 13-0020	SY	3" Thick Bituminous Hot Mix Surface Course .....	23.86
		Note: Includes placement, rolling, finishing and sweeping.	
		For PG64-10 Asphalt, Add	0.45
		For Up To 340, Add	3.45
		For >340 To 680, Add	2.83
		For >3,400 To 6,800, Deduct	-1.02
		For >6,800 To 17,000, Deduct	-1.85
		For >17,000 To 34,000, Deduct	-2.87
		For >34,000, Deduct	-4.12
32 12 16 13-0021	CSF	Type F Asphalt Surface Cap 1/8" To 1/4" Thick For Use Only On Top Concrete Filled Trench.....	79.69
<b>32 12 16 13-0022</b>		<b>Hand Placed, Hot Mix Asphalt (HMA)</b> <small>(32 12 16 13)</small>	
32 12 16 13-0023	TON	Hand Placed Hot Mixed Asphalt 3,954 LB/CY .....	364.23
		Note: For small areas not reachable by machine. Includes placement, rolling, finishing and sweeping.	
<b>32 12 16 19</b>		<b>Cold-Mix Asphalt Paving</b> <small>(32 12 16)</small>	
		Note: 0.5 Gal asphalt/SY per inch depth; well graded granular aggregate.	
<b>32 12 16 19-0001</b>		<b>Cold Mix Asphalt (CMA) Pavement</b> <small>(32 12 16 19)</small>	
		Note: 0.5 Gal asphalt/SY per inch depth; well graded granular aggregate.	
32 12 16 19-0002	SY	Cold Laid Asphalt Pavement, Traveling Plant Mixed In Windrows, Compacted 4" Course.....	13.34
32 12 16 19-0003	SY	Cold Laid Asphalt Pavement, Rotary Plant Mixed In Place, Compacted 4" Course.....	12.99
32 12 16 19-0004	SY	Cold Laid Asphalt Pavement, Central Stationary Plant, Mixed, Compacted 4" Course .....	21.08
<b>32 12 16 39</b>		<b>Paving Fabrics</b> <small>(32 12 16)</small>	
		See CSI section 31 32 19 16-0000 for geotextile fabric.	
<b>32 12 16 39-0001</b>		<b>Geotextile Paving Fabrics</b> <small>(32 12 16 39)</small>	
32 12 16 39-0002	SY	3.6 Ounce/SY, 90 LB Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-38A/O) .....	1.86
		For Up To 50, Add	0.41
		For >50 To 150, Add	0.31
		For >150 To 250, Add	0.20
		For >250 To 500, Add	0.10
32 12 16 39-0003	SY	4.1 Ounce/SY, 101 LB Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-42 A/O) .....	2.01
		For Up To 50, Add	0.44
		For >50 To 150, Add	0.33
		For >150 To 250, Add	0.21
		For >250 To 500, Add	0.11
<b>32 12 16 43</b>		<b>Waterproofing Membranes</b> <small>(32 12 16)</small>	
<b>32 12 16 43-0001</b>		<b>Waterproofing Membranes</b> <small>(32 12 16 43)</small>	
32 12 16 43-0002	SY	Up To 500 SY, Preformed Rubberized Asphalt Membrane .....	35.39
32 12 16 43-0003	SY	>500 To 1,000 SY, Preformed Rubberized Asphalt Membrane .....	26.55
32 12 16 43-0004	SY	>1,000 SY, Preformed Rubberized Asphalt Membrane .....	16.54
<b>32 12 33</b>		<b>Flexible Paving Surface Treatments</b> <small>(32 12)</small>	
<b>32 12 33 00-0001</b>		<b>Bituminous Surface Treatment For Roadways</b> <small>(32 12 33)</small>	
		Note: 0.25 Gal bitumen per SY and 30 lb of gravel/SY.	
32 12 33 00-0002	SY	Single Course Bituminous Treatment, Prepare And Clean Surface Roadway .....	3.16
32 12 33 00-0003	SY	Double Course Bituminous Treatment, Prepare And Clean Surface Roadway .....	5.68
<b>32 12 33 00-0004</b>		<b>Bituminous Surface Treatment For Trails</b> <small>(32 12 33)</small>	
		Note: 0.25 Gal bitumen per SY and 20 lb of gravel/SY.	
32 12 33 00-0005	SY	Bituminous Surface Treatment, For Trails .....	2.17
<b>32 12 36</b>		<b>Seal Coats</b> <small>(32 12)</small>	
		See CSI section 32 01 13 62-0000 for slurry seal.	
<b>32 12 36 13</b>		<b>Asphaltic Seal and Fog Coats</b> <small>(32 12 36)</small>	

<b>32 12 36 13-0001</b>	<b>Asphalt Emulsion Seal Coat (Chip Seal)</b> (32 12 36 13)	
	Note: Includes initial sweeping prior to placement, cleaning of area, rolling and final sweeping. Excludes crack repair, fog sealer, and any additional consecutive days sweeping following final sweeping.	
<b>32 12 36 13-0002</b>	<b>Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)</b> (32 12 36 13-0001)	
	Note: 12 to 20 Pounds Per SY of 1/4" No. 10 with 0.15 to 0.30 gallons asphalt emulsion per SY.	
32 12 36 13-0003	SY Up To 200 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	4.30
	For Each Additional 0.5% Latex Additive, Add	0.38
32 12 36 13-0004	SY >200 To 500 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	3.84
	For Each Additional 0.5% Latex Additive, Add	0.38
32 12 36 13-0005	SY >500 To 1,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	3.64
	For Each Additional 0.5% Latex Additive, Add	0.38
32 12 36 13-0006	SY >1,000 To 5,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	3.41
	For Each Additional 0.5% Latex Additive, Add	0.38
32 12 36 13-0007	SY >5,000 To 10,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	3.30
	For Each Additional 0.5% Latex Additive, Add	0.38
32 12 36 13-0008	SY >10,000 To 20,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	3.19
	For Each Additional 0.5% Latex Additive, Add	0.38
32 12 36 13-0009	SY >20,000 To 50,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	3.07
	For Each Additional 0.5% Latex Additive, Add	0.38
32 12 36 13-0010	SY >50,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	3.01
	For Each Additional 0.5% Latex Additive, Add	0.38
<b>32 12 36 13-0011</b>	<b>Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)</b> (32 12 36 13-0001)	
	Note: 16 to 25 Pounds Per SY of 5/16" No. 8 with 0.25 to 0.35 gallons asphalt emulsion per SY.	
32 12 36 13-0012	SY Up To 200 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	5.01
	For Each Additional 0.5% Latex Additive, Add	0.48
32 12 36 13-0013	SY >200 To 500 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	4.49
	For Each Additional 0.5% Latex Additive, Add	0.48
32 12 36 13-0014	SY >500 To 1,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	4.25
	For Each Additional 0.5% Latex Additive, Add	0.48
32 12 36 13-0015	SY >1,000 To 5,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	4.12
	For Each Additional 0.5% Latex Additive, Add	0.48
32 12 36 13-0016	SY >5,000 To 10,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	3.82
	For Each Additional 0.5% Latex Additive, Add	0.48
32 12 36 13-0017	SY >10,000 To 20,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	3.64
	For Each Additional 0.5% Latex Additive, Add	0.48
32 12 36 13-0018	SY >20,000 To 50,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	3.51
	For Each Additional 0.5% Latex Additive, Add	0.48
32 12 36 13-0019	SY >50,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	3.43
	For Each Additional 0.5% Latex Additive, Add	0.48
<b>32 12 36 13-0020</b>	<b>Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)</b> (32 12 36 13-0001)	
	Note: 20 to 30 Pounds Per SY of 3/8" No. 6 with 0.25 to 0.40 gallons asphalt emulsion per SY.	
32 12 36 13-0021	SY Up To 200 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	5.62
	For Each Additional 0.5% Latex Additive, Add	0.57
32 12 36 13-0022	SY >200 To 500 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	5.05
	For Each Additional 0.5% Latex Additive, Add	0.57
32 12 36 13-0023	SY >500 To 1,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	4.76
	For Each Additional 0.5% Latex Additive, Add	0.57
32 12 36 13-0024	SY >1,000 To 5,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	4.43
	For Each Additional 0.5% Latex Additive, Add	0.57
32 12 36 13-0025	SY >5,000 To 10,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	4.25
	For Each Additional 0.5% Latex Additive, Add	0.57
32 12 36 13-0026	SY >10,000 To 20,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	4.00
	For Each Additional 0.5% Latex Additive, Add	0.57
32 12 36 13-0027	SY >20,000 To 50,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	3.83
	For Each Additional 0.5% Latex Additive, Add	0.57
32 12 36 13-0028	SY >50,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	3.75
	For Each Additional 0.5% Latex Additive, Add	0.57
<b>32 12 36 13-0029</b>	<b>Course Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)</b> (32 12 36 13-0001)	
	Note: 23 to 35 Pounds Per SY of 1/2" No. 4 with 0.30 to 0.40 gallons asphalt emulsion per SY.	
32 12 36 13-0030	SY Up To 200 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	5.70
	For Each Additional 0.5% Latex Additive, Add	0.65
32 12 36 13-0031	SY >200 To 500 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	5.13
	For Each Additional 0.5% Latex Additive, Add	0.65
32 12 36 13-0032	SY >500 To 1,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	4.83
	For Each Additional 0.5% Latex Additive, Add	0.65
32 12 36 13-0033	SY >1,000 To 5,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	4.51
	For Each Additional 0.5% Latex Additive, Add	0.65
32 12 36 13-0034	SY >5,000 To 10,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	4.33
	For Each Additional 0.5% Latex Additive, Add	0.65
32 12 36 13-0035	SY >10,000 To 20,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	4.16
	For Each Additional 0.5% Latex Additive, Add	0.65
32 12 36 13-0036	SY >20,000 To 50,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	3.91
	For Each Additional 0.5% Latex Additive, Add	0.65
32 12 36 13-0037	SY >50,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	3.83
	For Each Additional 0.5% Latex Additive, Add	0.65

32 Exterior Improvements

32 10 Bases, Ballasts, and Paving

32 12 Flexible Paving



MINOR CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION UNIT COST UNIT COST

Table with columns for CSI, UOM, Description, and Unit Cost. Rows include items like 'Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)', 'Asphalt Emulsion Seal Coat (Scrub Seal)', 'Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)', 'Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)', and 'Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)'. Each row includes detailed specifications and unit costs.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**32 12 36 13-0075 Course Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)**  
(32 12 36 13-0047)  
 Note: 23 to 35 Pounds Per SY of 1/2" No. 4 with 0.30 to 0.40 gallons asphalt emulsion per SY.

32 12 36 13-0076 SY	Up To 200 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	5.35
	<i>For Each Additional 0.5% Latex Additive, Add</i>	0.65
32 12 36 13-0077 SY	>200 To 500 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.96
	<i>For Each Additional 0.5% Latex Additive, Add</i>	0.65
32 12 36 13-0078 SY	>500 To 1,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.66
	<i>For Each Additional 0.5% Latex Additive, Add</i>	0.65
32 12 36 13-0079 SY	>1,000 To 5,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.33
	<i>For Each Additional 0.5% Latex Additive, Add</i>	0.65
32 12 36 13-0080 SY	>5,000 To 10,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.17
	<i>For Each Additional 0.5% Latex Additive, Add</i>	0.65
32 12 36 13-0081 SY	>10,000 To 20,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.02
	<i>For Each Additional 0.5% Latex Additive, Add</i>	0.65
32 12 36 13-0082 SY	>20,000 To 50,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	3.78
	<i>For Each Additional 0.5% Latex Additive, Add</i>	0.65
32 12 36 13-0083 SY	>50,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	3.72
	<i>For Each Additional 0.5% Latex Additive, Add</i>	0.65

**32 12 36 13-0084 Fog Seal, CQS-1h**  
(32 12 36 13)  
 Note: A fog seal is a light application of diluted, slow-setting asphalt emulsion without aggregate cover. Includes sweeping and cleaning of area.

32 12 36 13-0085 SY	Up To 200 SY, CQS-1h, Fog Seal	1.64
32 12 36 13-0086 SY	>200 To 500 SY, CQS-1h, Fog Seal	1.16
32 12 36 13-0087 SY	>500 To 1,000 SY, CQS-1h, Fog Seal	0.97
32 12 36 13-0088 SY	>1,000 To 5,000 SY, CQS-1h, Fog Seal	0.82
32 12 36 13-0089 SY	>5,000 To 10,000 SY, CQS-1h, Fog Seal	0.73
32 12 36 13-0090 SY	>10,000 To 20,000 SY, CQS-1h, Fog Seal	0.67
32 12 36 13-0091 SY	>20,000 To 50,000 SY, CQS-1h, Fog Seal	0.62
32 12 36 13-0092 SY	>50,000 SY, CQS-1h, Fog Seal	0.59

**32 12 36 13-0093 Sand Sealer**  
(32 12 36 13)  
 Note: A sand seal is an application of asphalt binder followed by placement of a layer of sand or fine aggregate, and then rolled to embed the sand or fine aggregate into the binder. Includes sweeping and cleaning of area.

32 12 36 13-0094 SY	Up To 200 SY, Sand Seal	2.56
32 12 36 13-0095 SY	>200 To 500 SY, Sand Seal	1.66
32 12 36 13-0096 SY	>500 To 1,000 SY, Sand Seal	1.65
32 12 36 13-0097 SY	>1,000 To 5,000 SY, Sand Seal	1.44
32 12 36 13-0098 SY	>5,000 To 10,000 SY, Sand Seal	1.33
32 12 36 13-0099 SY	>10,000 To 20,000 SY, Sand Seal	1.23
32 12 36 13-0100 SY	>20,000 To 50,000 SY, Sand Seal	1.16
32 12 36 13-0101 SY	>50,000 SY, Sand Seal	1.14

**32 12 36 16 Coal Tar Seal Coats**  
(32 12 36)

**32 12 36 16-0001 Thermoplastic Coal-Tar Asphalt Seal**  
(32 12 36 16)  
 Note: Includes sweeping and cleaning of area.

32 12 36 16-0002 SY	Up To 500 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	11.59
32 12 36 16-0003 SY	>500 To 1,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	10.83
32 12 36 16-0004 SY	>1,000 To 5,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	9.52
32 12 36 16-0005 SY	>5,000 To 20,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	8.50
32 12 36 16-0006 SY	>20,000 To 50,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	7.19
32 12 36 16-0007 SY	>50,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	5.87
32 12 36 16-0008 SY	Up To 500 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	13.93
32 12 36 16-0009 SY	>500 To 1,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	13.09
32 12 36 16-0010 SY	>1,000 To 5,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	11.53
32 12 36 16-0011 SY	>5,000 To 20,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	10.35
32 12 36 16-0012 SY	>20,000 To 50,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	8.80
32 12 36 16-0013 SY	>50,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	7.24

**32 12 43 Porous Flexible Paving**  
(32 12)

**32 12 43 00-0001 Flexible Recycled Plastic Porous Grid**  
(32 12 43)  
 Note: Includes sand fill in rings. Excludes base, earth work and grass or sod.

32 12 43 00-0002 SY	1" Thick, Recycled Plastic Flexible Pavement With Sand Fill	33.48
	Note: Includes sand fill in rings. Excludes base, earth work and grass or sod. Invisible Structures, Inc.; Grasspave2.	
	<i>For Up To 100, Add</i>	11.40
	<i>For &gt;100 To 500, Add</i>	2.88
	<i>For &gt;1,000 To 5,000, Deduct</i>	-1.21
	<i>For &gt;5,000, Deduct</i>	-2.46

**32 12 73 Asphalt Paving Joint Sealants**  
(32 12)

**32 12 73 00-0001 Expansion Joint In Sidewalk**  
(32 12 73)

32 12 73 00-0002 LF	For Hot Asphalt Poured Over Expansion Joint In Sidewalk	3.41
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**32 13 Rigid Paving**  
(32 10)

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 13 Rigid Paving**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST
**32 13 13 Concrete Paving** (32 13)

Note: The following section includes spreading and placing delivered Portland cement concrete mix.

**32 13 13 33 Plain Concrete Paving** (32 13 13)**32 13 13 33-0001 Concrete Paving Assemblies** (32 13 13 33)

Note: Includes forms, wire mesh (where necessary), two mat layers #3-#6 reinforcing rods at 12" on center with chairs (where necessary), vapor barrier, concrete, curing, latex or hot asphalt expansion joints, control joints, screed, float and finish. Excludes excavation, base and earthwork. Includes concrete paving machine. To be used for roadways, driveways, parking areas, or other areas of vehicular traffic. See CSI section 03 05 13 00-0001 for color additive.

**32 13 13 33-0002 4,500 PSI Concrete Paving Assembly** (32 13 13 33-0001)

32 13 13 33-0003	SY 4" 4,500 PSI Concrete Paving Assembly.....	58.42
	For 2,500 PSI Concrete, Deduct	-3.59
	For 3,000 PSI Concrete, Deduct	-2.34
	For 3,500 PSI Concrete, Deduct	-1.88
	For 4,000 PSI Concrete, Deduct	-0.81
	For 5,000 PSI Concrete, Add	0.50
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	4.06
	For <12' Wide Pass, Add	9.92
	For 24' Or Greater Wide Pass, Deduct	-11.68
	For Air Entrainment, Add	1.56
	For Slipforming, Deduct	-5.84
	For Up To 100, Add	22.55
	For >100 To 250, Add	12.84
	For >250 To 500, Add	6.42
	For >1,000 To 2,000, Deduct	-1.56
	For >2,000 To 5,000, Deduct	-3.02
	For >5,000 To 10,000, Deduct	-4.48
	For >10,000 To 20,000, Deduct	-5.94
	For >20,000, Deduct	-7.41
32 13 13 33-0004	SY 5" 4,500 PSI Concrete Paving Assembly.....	69.41
	For 2,500 PSI Concrete, Deduct	-4.51
	For 3,000 PSI Concrete, Deduct	-2.94
	For 3,500 PSI Concrete, Deduct	-2.35
	For 4,000 PSI Concrete, Deduct	-1.02
	For 5,000 PSI Concrete, Add	0.63
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	5.10
	For <12' Wide Pass, Add	11.47
	For 24' Or Greater Wide Pass, Deduct	-13.88
	For Air Entrainment, Add	1.96
	For Slipforming, Deduct	-6.94
	For Up To 100, Add	25.95
	For >100 To 250, Add	14.94
	For >250 To 500, Add	7.47
	For >1,000 To 2,000, Deduct	-1.96
	For >2,000 To 5,000, Deduct	-3.70
	For >5,000 To 10,000, Deduct	-5.43
	For >10,000 To 20,000, Deduct	-7.17
	For >20,000, Deduct	-8.90
32 13 13 33-0005	SY 6" 4,500 PSI Concrete Paving Assembly.....	74.08
	For 2,500 PSI Concrete, Deduct	-4.76
	For 3,000 PSI Concrete, Deduct	-3.10
	For 3,500 PSI Concrete, Deduct	-2.48
	For 4,000 PSI Concrete, Deduct	-1.08
	For 5,000 PSI Concrete, Add	0.66
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	5.38
	For <12' Wide Pass, Add	12.31
	For 24' Or Greater Wide Pass, Deduct	-14.82
	For Air Entrainment, Add	2.07
	For Slipforming, Deduct	-7.41
	For Up To 100, Add	27.89
	For >100 To 250, Add	16.02
	For >250 To 500, Add	8.01
	For >1,000 To 2,000, Deduct	-2.07
	For >2,000 To 5,000, Deduct	-3.92
	For >5,000 To 10,000, Deduct	-5.77
	For >10,000 To 20,000, Deduct	-7.63
	For >20,000, Deduct	-9.48
32 13 13 33-0006	SY 7" 4,500 PSI Concrete Paving Assembly.....	88.41
	For 2,500 PSI Concrete, Deduct	-6.00
	For 3,000 PSI Concrete, Deduct	-3.92
	For 3,500 PSI Concrete, Deduct	-3.13
	For 4,000 PSI Concrete, Deduct	-1.36
	For 5,000 PSI Concrete, Add	0.84
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	6.79
	For <12' Wide Pass, Add	14.27
	For 24' Or Greater Wide Pass, Deduct	-17.68
	For Air Entrainment, Add	2.61
	For Slipforming, Deduct	-8.84
	For Up To 100, Add	32.17
	For >100 To 250, Add	18.69
	For >250 To 500, Add	9.35
	For >1,000 To 2,000, Deduct	-2.61
	For >2,000 To 5,000, Deduct	-4.82
	For >5,000 To 10,000, Deduct	-7.03
	For >10,000 To 20,000, Deduct	-9.24
	For >20,000, Deduct	-11.45

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 13 33-0007	SY		8" 4,500 PSI Concrete Paving Assembly.....	100.74	
			For 2,500 PSI Concrete, Deduct	-6.59	
			For 3,000 PSI Concrete, Deduct	-4.30	
			For 3,500 PSI Concrete, Deduct	-3.44	
			For 4,000 PSI Concrete, Deduct	-1.49	
			For 5,000 PSI Concrete, Add	0.92	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	7.45	
			For <12' Wide Pass, Add	16.59	
			For 24' Or Greater Wide Pass, Deduct	-20.15	
			For Air Entrainment, Add	2.86	
			For Slipforming, Deduct	-10.07	
			For Up To 100, Add	37.53	
			For >100 To 250, Add	21.63	
			For >250 To 500, Add	10.81	
			For >1,000 To 2,000, Deduct	-2.86	
			For >2,000 To 5,000, Deduct	-5.38	
			For >5,000 To 10,000, Deduct	-7.90	
			For >10,000 To 20,000, Deduct	-10.42	
			For >20,000, Deduct	-12.94	
32 13 13 33-0008	SY		9" 4,500 PSI Concrete Paving Assembly.....	114.18	
			For 2,500 PSI Concrete, Deduct	-7.61	
			For 3,000 PSI Concrete, Deduct	-4.97	
			For 3,500 PSI Concrete, Deduct	-3.97	
			For 4,000 PSI Concrete, Deduct	-1.72	
			For 5,000 PSI Concrete, Add	1.06	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	8.61	
			For <12' Wide Pass, Add	18.62	
			For 24' Or Greater Wide Pass, Deduct	-22.84	
			For Air Entrainment, Add	3.31	
			For Slipforming, Deduct	-11.42	
			For Up To 100, Add	42.03	
			For >100 To 250, Add	24.32	
			For >250 To 500, Add	12.16	
			For >1,000 To 2,000, Deduct	-3.31	
			For >2,000 To 5,000, Deduct	-6.16	
			For >5,000 To 10,000, Deduct	-9.02	
			For >10,000 To 20,000, Deduct	-11.87	
			For >20,000, Deduct	-14.73	
32 13 13 33-0009	SY		10" 4,500 PSI Concrete Paving Assembly.....	127.13	
			For 2,500 PSI Concrete, Deduct	-8.37	
			For 3,000 PSI Concrete, Deduct	-5.46	
			For 3,500 PSI Concrete, Deduct	-4.37	
			For 4,000 PSI Concrete, Deduct	-1.89	
			For 5,000 PSI Concrete, Add	1.17	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	9.47	
			For <12' Wide Pass, Add	20.86	
			For 24' Or Greater Wide Pass, Deduct	-25.43	
			For Air Entrainment, Add	3.64	
			For Slipforming, Deduct	-12.71	
			For Up To 100, Add	47.15	
			For >100 To 250, Add	27.22	
			For >250 To 500, Add	13.61	
			For >1,000 To 2,000, Deduct	-3.64	
			For >2,000 To 5,000, Deduct	-6.82	
			For >5,000 To 10,000, Deduct	-10.00	
			For >10,000 To 20,000, Deduct	-13.18	
			For >20,000, Deduct	-16.35	
32 13 13 33-0010	SY		12" 4,500 PSI Concrete Paving Assembly.....	151.42	
			For 2,500 PSI Concrete, Deduct	-9.92	
			For 3,000 PSI Concrete, Deduct	-6.47	
			For 3,500 PSI Concrete, Deduct	-5.17	
			For 4,000 PSI Concrete, Deduct	-2.24	
			For 5,000 PSI Concrete, Add	1.38	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	11.21	
			For <12' Wide Pass, Add	24.92	
			For 24' Or Greater Wide Pass, Deduct	-30.28	
			For Air Entrainment, Add	4.31	
			For Slipforming, Deduct	-15.14	
			For Up To 100, Add	56.36	
			For >100 To 250, Add	32.49	
			For >250 To 500, Add	16.25	
			For >1,000 To 2,000, Deduct	-4.31	
			For >2,000 To 5,000, Deduct	-8.10	
			For >5,000 To 10,000, Deduct	-11.88	
			For >10,000 To 20,000, Deduct	-15.67	
			For >20,000, Deduct	-19.45	

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 13 Rigid Paving**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

32 13 13 33-0011	SY	15" 4,500 PSI Concrete Paving Assembly .....	192.39	
		<i>For 2,500 PSI Concrete, Deduct</i>	-12.18	
		<i>For 3,000 PSI Concrete, Deduct</i>	-7.94	
		<i>For 3,500 PSI Concrete, Deduct</i>	-6.35	
		<i>For 4,000 PSI Concrete, Deduct</i>	-2.75	
		<i>For 5,000 PSI Concrete, Add</i>	1.69	
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	13.77	
		<i>For &lt;12' Wide Pass, Add</i>	32.21	
		<i>For 24' Or Greater Wide Pass, Deduct</i>	-38.48	
		<i>For Air Entrainment, Add</i>	5.29	
		<i>For Slipforming, Deduct</i>	-19.24	
		<i>For Up To 100, Add</i>	73.08	
		<i>For &gt;100 To 250, Add</i>	41.83	
		<i>For &gt;250 To 500, Add</i>	20.92	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-5.29	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-10.10	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-14.91	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-19.72	
		<i>For &gt;20,000, Deduct</i>	-24.53	

**32 13 16 Decorative Concrete Paving (32 13)****32 13 16 13 Patterned Concrete Paving (32 13 16)**

32 13 16 13-0001	SF	For Patterned (Tactile) Finish In Concrete Sidewalk.....	4.62	
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**32 13 43 Pervious Concrete Paving (32 13)****32 13 43 00-0001 Pervious Concrete Assembly (32 13 43)**

Note: Pervious concrete is a special concrete mix with high porosity that allows water to pass through it. For paving and sidewalks.

32 13 43 00-0002	SF	6" Thick Pervious Concrete Paving.....	15.61	
		Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.		
		<i>For &gt;5,000 To 30,000, Deduct</i>	-1.68	
		<i>For &gt;30,000 To 100,000, Deduct</i>	-3.09	
		<i>For &gt;100,000, Deduct</i>	-3.83	
32 13 43 00-0003	SF	9" Thick Pervious Concrete Paving.....	19.71	
		Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.		
		<i>For &gt;5,000 To 30,000, Deduct</i>	-2.06	
		<i>For &gt;30,000 To 100,000, Deduct</i>	-3.72	
		<i>For &gt;100,000, Deduct</i>	-4.63	

**32 13 73 Concrete Paving Joint Sealants (32 13)****32 13 73 13 Fuel-Resistant Concrete Paving Joint Sealants (32 13 73)****32 13 73 13-0001 Concrete Pavement Joint And Crack Repair (32 13 73 13)**

Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.

32 13 73 13-0002	LF	Pavement Sealing, Roads Resealing Joints In Concrete Pavements For Roads.....	7.52	
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**32 13 73 16 Field-Molded Concrete Paving Joint Sealants (32 13 73)****32 13 73 16-0001 Preformed Elastomeric Concrete Pavement Joint And Crack Repair (32 13 73 16)**

Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.

32 13 73 16-0002	LF	Joint Sealing, Concrete Pavement Preformed Elastomeric .....	12.86	
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**32 13 73 19 Compression Concrete Paving Joint Sealants (32 13 73)****32 13 73 19-0001 Silicone Joint Sealant For Concrete Pavement (32 13 73 19)**

Note: Installation includes high pressure water wash, sand blast, sweeping, cleaning area, backer rod and Dow Corning 888 silicone sealant. Demolition includes removal of existing material where saw cutting is not required. Excludes saw cutting.

32 13 73 19-0002	LF	1/4" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement .....	9.78	2.32
32 13 73 19-0003	LF	3/8" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement .....	10.20	2.37
32 13 73 19-0004	LF	1/2" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement .....	10.68	2.41
32 13 73 19-0005	LF	3/4" x 3/8" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement .....	12.18	2.45
32 13 73 19-0006	LF	1" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement .....	14.03	2.51
32 13 73 19-0007	LF	1-1/2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement .....	16.53	2.57
32 13 73 19-0008	LF	2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement .....	20.32	2.62

**32 14 Unit Paving (32 10)****32 14 09 Paver Restraints (32 14)****32 14 09 00-0001 Paver Restraints (32 14 09)**

Note: Paver restraints are used along the edge of a group of pavers as a locking border. Flexible or rigid sections. Includes stakes and connecting devices. Excludes pavers, bedding, excavation, base course and compaction.

32 14 09 00-0002	LF	Up To 2" Height, Vinyl Paver Restraint.....	4.26	1.01
		<i>For &gt;1,000 To 2,000, Deduct</i>	-0.59	
		<i>For &gt;2,000 To 4,000, Deduct</i>	-0.85	
		<i>For &gt;4,000, Deduct</i>	-1.09	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 14 09 00-0003	LF		Up To 2" Height, Galvanized Steel Paver Restraint.....	4.62	1.01
			<i>For &gt;500 To 1,000, Deduct</i>	-0.15	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-0.30	
			<i>For &gt;2,000, Deduct</i>	-0.45	
32 14 09 00-0004	LF		Up To 1" Height, Aluminum Paver Restraint.....	4.44	1.01
			<i>For &gt;250 To 500, Deduct</i>	-0.28	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.43	
			<i>For &gt;1,000 To 1,500, Deduct</i>	-0.71	
32 14 09 00-0005	LF		>1" To 2" Height, Aluminum Paver Restraint.....	5.24	1.01
			<i>For &gt;250 To 500, Deduct</i>	-0.36	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.55	
			<i>For &gt;1,000 To 1,500, Deduct</i>	-0.91	
32 14 09 00-0006	LF		>2" To 3" Height, Aluminum Paver Restraint.....	6.77	1.01
			<i>For &gt;250 To 500, Deduct</i>	-0.52	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.78	
			<i>For &gt;1,000 To 1,500, Deduct</i>	-1.29	
32 14 09 00-0007	LF		>3" To 4" Height, Aluminum Paver Restraint.....	7.94	1.01
			<i>For &gt;250 To 500, Deduct</i>	-0.63	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.95	
			<i>For &gt;1,000 To 1,500, Deduct</i>	-1.59	

**32 14 11 Bedding for Unit Paving (32 14)**
**32 14 11 00-0001 Bedding For Brick, Precast Concrete Paver And Stone Sidewalk (32 14 11)**

Note: Includes delivery up to 15 miles from the closest approved source, the cost for loading, and dumping. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

32 14 11 00-0002	SF		1" To 2" Sand Bedding, Screeded.....	1.09	
			<i>For Up To 100, Add</i>	0.47	
			<i>For &gt;100 To 500, Add</i>	0.13	
			<i>For &gt;1,000 To 5,000, Deduct</i>	-0.08	
			<i>For &gt;5,000, Deduct</i>	-0.13	
32 14 11 00-0003	SF		1" To 2" Stone Dust Bedding, Screeded.....	1.35	
			<i>For Up To 100, Add</i>	0.53	
			<i>For &gt;100 To 500, Add</i>	0.14	
			<i>For &gt;1,000 To 5,000, Deduct</i>	-0.08	
			<i>For &gt;5,000, Deduct</i>	-0.13	
32 14 11 00-0004	SF		3" Stone Dust Bedding, Screeded.....	1.78	
			<i>For Up To 100, Add</i>	0.67	
			<i>For &gt;100 To 500, Add</i>	0.18	
			<i>For &gt;1,000 To 5,000, Deduct</i>	-0.09	
			<i>For &gt;5,000, Deduct</i>	-0.16	
32 14 11 00-0005	SF		4" Stone Dust Bedding, Screeded.....	2.27	
			<i>For Up To 100, Add</i>	0.85	
			<i>For &gt;100 To 500, Add</i>	0.22	
			<i>For &gt;1,000 To 5,000, Deduct</i>	-0.11	
			<i>For &gt;5,000, Deduct</i>	-0.20	
32 14 11 00-0006	SF		1" Mortar Bedding.....	3.17	
			<i>For Up To 100, Add</i>	1.42	
			<i>For &gt;100 To 500, Add</i>	0.41	
			<i>For &gt;1,000 To 5,000, Deduct</i>	-0.25	
			<i>For &gt;5,000, Deduct</i>	-0.40	
32 14 11 00-0007	SF		2" Mortar Bedding.....	4.67	
			<i>For Up To 100, Add</i>	2.01	
			<i>For &gt;100 To 500, Add</i>	0.57	
			<i>For &gt;1,000 To 5,000, Deduct</i>	-0.34	
			<i>For &gt;5,000, Deduct</i>	-0.54	
32 14 11 00-0008	SF		Thin-Set Latex Portland Cement Mortar.....	1.70	
			<i>For Up To 100, Add</i>	0.76	
			<i>For &gt;100 To 500, Add</i>	0.22	
			<i>For &gt;1,000 To 5,000, Deduct</i>	-0.14	
			<i>For &gt;5,000, Deduct</i>	-0.21	

**32 14 13 Precast Concrete Unit Paving (32 14)**
**32 14 13 16 Precast Concrete Unit Paving Slabs (32 14 13)**
**32 14 13 16-0001 Precast Concrete Paver Sidewalk (32 14 13 16)**

Note: Square, rectangular, or interlocking pervious pavers. Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course.

32 14 13 16-0002	SF		2-3/8" Thick, Up To 32 SI Precast Concrete Paver.....	11.60	3.14
			<i>Note: Includes 2-1/2" x 5", 4" x 4", 4" x 6", 5" x 5", 4" x 8" and other similar size pavers.</i>		
			<i>For 2-3/4" Concrete Paver, Add</i>	1.11	
			<i>For 3-1/8" Concrete Paver, Add</i>	1.80	
			<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	0.90	
			<i>For Up To 100, Add</i>	4.48	
			<i>For &gt;100 To 500, Add</i>	1.21	
			<i>For &gt;1,000 To 5,000, Deduct</i>	-0.63	
			<i>For &gt;5,000, Deduct</i>	-1.10	
32 14 13 16-0003	SF		2-3/8" Thick, >32 to 64 SI Precast Concrete Paver.....	11.03	2.86
			<i>Note: Includes 5" x 7", 6" x 6", 8" x 8" and other similar size pavers.</i>		
			<i>For 2-3/4" Concrete Paver, Add</i>	1.08	
			<i>For 3-1/8" Concrete Paver, Add</i>	1.75	
			<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	0.84	
			<i>For Up To 100, Add</i>	4.19	
			<i>For &gt;100 To 500, Add</i>	1.12	
			<i>For &gt;1,000 To 5,000, Deduct</i>	-0.57	
			<i>For &gt;5,000, Deduct</i>	-1.02	

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 14 Unit Paving**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 14 13 16-0004	SF 2-3/8" Thick, >64 to 144 SI Precast Concrete Paver..... Note: Includes 6" x 12", 12" x 12" and other similar size pavers.	10.50	2.28
	For 2-3/4" Concrete Paver, Add	1.06	
	For 3-1/8" Concrete Paver, Add	1.72	
	For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.79	
	For Up To 100, Add	3.93	
	For >100 To 500, Add	1.05	
	For >1,000 To 5,000, Deduct	-0.52	
	For >5,000, Deduct	-0.94	
32 14 13 16-0005	SF 2-3/8" Thick, >144 SI Precast Concrete Paver..... Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers.	10.03	2.36
	For 2-3/4" Concrete Paver, Add	1.03	
	For 3-1/8" Concrete Paver, Add	1.68	
	For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.74	
	For Up To 100, Add	3.69	
	For >100 To 500, Add	0.97	
	For >1,000 To 5,000, Deduct	-0.47	
	For >5,000, Deduct	-0.87	
32 14 13 16-0006	SF 2-3/8" Thick, Precast Concrete Paver, Combinations And Patterns ..... Note: Patterns made by combining pavers from two or more size groups.	10.76	2.72
	For 2-3/4" Concrete Paver, Add	1.07	
	For 3-1/8" Concrete Paver, Add	1.73	
	For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.81	
	For Up To 100, Add	4.06	
	For >100 To 500, Add	1.08	
	For >1,000 To 5,000, Deduct	-0.55	
	For >5,000, Deduct	-0.98	
<b>32 14 13 19 Porous Precast Concrete Unit Paving (32 14 13)</b>			
32 14 13 19-0001	Turf Block (32 14 13 19) Note: Grass grid, open-cell unit paver, geoblock.		
32 14 13 19-0002	SF 3-1/8" Thick, Precast Concrete Turf Block ..... Note: Patterns made by combining pavers from two or more size groups.	10.84	2.72
	For Up To 100, Add	4.08	
	For >100 To 500, Add	1.09	
	For >1,000 To 5,000, Deduct	-0.55	
	For >5,000, Deduct	-0.98	
<b>32 14 16 Brick Unit Paving (32 14)</b>			
32 14 16 00-0001	Brick Paver Sidewalk (32 14 16) Note: Includes sand joints. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course.		
32 14 16 00-0002	SF 4" x 8" x 2-1/4" Brick Paver, Laid Flat ..... Note: Includes sand joints. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course.	13.38	3.14
	For 1-3/8" Thick Paver, Deduct	-2.79	
	For 2-3/4" Thick Paver (Vehicular), Add	6.36	
	For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.98	
	For Up To 100, Add	4.92	
	For >100 To 500, Add	1.30	
	For >1,000 To 5,000, Deduct	-0.63	
	For >5,000, Deduct	-1.16	
32 14 16 00-0003	SF 4" x 8" x 2-1/4" Brick, Laid On Edge..... Note: Includes sand joints. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.	19.75	3.59
	For 1-3/8" Thick Paver, Deduct	-4.76	
	For 2-3/4" Thick Paver (Vehicular), Add	11.09	
	For Cement/Sand Mix Or Polymeric Sand Joints, Add	1.35	
	For Up To 100, Add	6.73	
	For >100 To 500, Add	1.70	
	For >1,000 To 5,000, Deduct	-0.72	
	For >5,000, Deduct	-1.45	
<b>32 14 33 Plastic Paving (32 14)</b>			
<b>32 14 33 13 Permeable Plastic Paving (32 14 33)</b>			
32 14 33 13-0001	Turf Block Plastic Paving (32 14 33 13)		
32 14 33 13-0002	SF 4" Thick Recycled Polyvinyl Chloride (PVC) Plastic Turf Block..... Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.	16.14	2.72
	For Up To 100, Add	5.40	
	For >100 To 500, Add	1.35	
	For >1,000 To 5,000, Deduct	-0.55	
	For >5,000, Deduct	-1.14	
<b>32 14 40 Stone Paving (32 14)</b>			
32 14 40 00-0001	Slate Paver Sidewalk (32 14 40) Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.		
32 14 40 00-0002	SF 1" Thick, Up to 54 SI Slate Paver..... Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers.	15.78	2.61
	For Cement/Sand Mix Or Polymeric Sand Joints, Add	1.05	
	For Up To 100, Add	5.25	
	For >100 To 500, Add	1.31	
	For >1,000 To 5,000, Deduct	-0.52	
	For >5,000, Deduct	-1.10	
	For 1/4" Thick Paver, Deduct	-8.07	
	For 1/2" Thick Paver, Deduct	-5.65	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 40 00-0003	SF		1" Thick, >54 to 108 SI Slate Paver ..... Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers. For Cement/Sand Mix Or Polymeric Sand Joints, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct For 1/4" Thick Paver, Deduct For 1/2" Thick Paver, Deduct	15.31 1.00 5.01 1.24 -0.47 -1.03 -7.95 -5.58	2.36
32 14 40 00-0004	SF		1" Thick, >108 to 216 SI Slate Paver ..... Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers. For Cement/Sand Mix Or Polymeric Sand Joints, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct For 1/4" Thick Paver, Deduct For 1/2" Thick Paver, Deduct	14.49 0.92 4.60 1.12 -0.39 -0.90 -7.75 -5.45	1.95
32 14 40 00-0005	SF		1" Thick, >216 SI Slate Paver ..... Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers. For Cement/Sand Mix Or Polymeric Sand Joints, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct For 1/4" Thick Paver, Deduct For 1/2" Thick Paver, Deduct	14.14 0.89 4.43 1.06 -0.36 -0.85 -7.66 -5.40	1.78
32 14 40 00-0006	SF		1" Thick, Slate Paver, Combinations And Patterns ..... Note: Patterns made by combining pavers from two or more size groups. For Cement/Sand Mix Or Polymeric Sand Joints, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct For 1/4" Thick Paver, Deduct For 1/2" Thick Paver, Deduct	14.86 0.96 4.79 1.17 -0.43 -0.96 -7.84 -5.51	2.14
32 14 40 00-0007			<b>Granite Paver Sidewalk</b> <small>(32 14 40)</small> Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.		
32 14 40 00-0008	SF		1" Thick, Up to 54 SI Granite Paver ..... Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers. For Cement/Sand Mix Or Polymeric Sand Joints, Add For 2" Granite Paver, Add For 3" Granite Paver, Add For 4" Granite Paver, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	21.96 1.36 1.10 2.20 2.46 6.79 1.62 -0.52 -1.28	2.61
32 14 40 00-0009	SF		1" Thick, >54 to 108 SI Granite Paver ..... Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers. For Cement/Sand Mix Or Polymeric Sand Joints, Add For 2" Granite Paver, Add For 3" Granite Paver, Add For 4" Granite Paver, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	21.49 1.31 1.07 2.15 2.39 6.56 1.55 -0.47 -1.21	2.36
32 14 40 00-0010	SF		1" Thick, >108 to 216 SI Granite Paver ..... Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers. For Cement/Sand Mix Or Polymeric Sand Joints, Add For 2" Granite Paver, Add For 3" Granite Paver, Add For 4" Granite Paver, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	20.67 1.23 1.03 2.07 2.26 6.15 1.42 -0.39 -1.09	1.95
32 14 40 00-0011	SF		1" Thick, >216 SI Granite Paver ..... Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24" and other similar size pavers. For Cement/Sand Mix Or Polymeric Sand Joints, Add For 2" Granite Paver, Add For 3" Granite Paver, Add For 4" Granite Paver, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	20.32 1.19 1.02 2.03 2.21 5.97 1.37 -0.36 -1.04	1.78
32 14 40 00-0012	SF		1" Thick, Granite Paver, Combinations And Patterns ..... Note: Patterns made by combining pavers from two or more size groups. For Cement/Sand Mix Or Polymeric Sand Joints, Add For 2" Granite Paver, Add For 3" Granite Paver, Add For 4" Granite Paver, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	21.04 1.27 1.05 2.10 2.32 6.33 1.48 -0.43 -1.14	2.14

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 14 Unit Paving**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST
**32 15 Aggregate Surfacing** (32 10)**32 15 40 Crushed Stone Surfacing** (32 15)

Note: Includes delivery up to 15 miles from supplier, placement, rolling and compaction water. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

**32 15 40 00-0001 Gravel Surfacing And Spreading** (32 15 40)

Note: Includes delivered material, placement, rolling and compaction water.

32 15 40 00-0002 CY Gravel Surfacing And Spreading.....85.15

**32 15 40 00-0003 Limestone Screenings** (32 15 40)

Note: Includes delivered material, placement, rolling and compaction water. For trail maintenance.

32 15 40 00-0004 CY Limestone Screenings For Trail.....76.16

**32 15 40 00-0005 Decomposed Granite** (32 15 40)

Note: Includes delivered material, placement, rolling and compaction water.

32 15 40 00-0006 SY 3" To 4" Thick Decomposed Granite Screenings With Stabilizer Pathway .....16.52

Note: Placed in 2 lifts.

For Additional 2" Lift

8.26

For &gt;45 To 180, Deduct

-1.13

For &gt;180 To 450, Deduct

-1.43

For &gt;450, Deduct

-1.73

**32 16 Curbs, Gutters, Sidewalks, and Driveways** (32 10)**32 16 13 Curbs and Gutters** (32 16)

Note: Includes transitions. Demolition Includes two saw cuts (each end) of curbs and gutters for lengths up to 100'. See CSI section 02 41 19 13-0001 for additional saw cuts within the 100'.

**32 16 13 13 Cast-In-Place Concrete Curbs and Gutters** (32 16 13)

Note: Includes concrete, forms, rebar (where required), rebar chairs (where necessary), expansion joints, finish and curing.

**32 16 13 13-0001 Cast In Place Concrete Curb And Gutter** (32 16 13 13)

Note: Includes concrete, forms, rebar, chairs (where necessary), transitions, expansion joints, finish and curing.

32 16 13 13-0002 LF 6" x 12" Cast In Place Concrete Gutter With 6" Curb And Face - Straight.....26.87 12.11

For Up To 20, Add

18.24

For &gt;20 To 50, Add

10.18

For &gt;50 To 100, Add

4.03

For &gt;500 To 1,000, Deduct

-3.46

For &gt;1,000, Deduct

-5.87

For Mountable Or Rolled Curb And Gutter, Add

1.81

32 16 13 13-0003 LF 6" x 12" Cast In Place Concrete Gutter With 6" Curb And Face - Radius .....29.30 16.15

For Up To 20, Add

19.90

For &gt;20 To 50, Add

11.11

For &gt;50 To 100, Add

4.40

For &gt;500 To 1,000, Deduct

-3.79

For &gt;1,000, Deduct

-6.41

For Mountable Or Rolled Curb And Gutter, Add

1.99

32 16 13 13-0004 LF 6" x 18" Cast In Place Concrete Gutter With 6" Curb And Face - Straight.....34.14 13.43

For Up To 20, Add

23.16

For &gt;20 To 50, Add

12.92

For &gt;50 To 100, Add

5.12

For &gt;500 To 1,000, Deduct

-4.38

For &gt;1,000, Deduct

-7.43

For Mountable Or Rolled Curb And Gutter, Add

2.27

32 16 13 13-0005 LF 6" x 18" Cast In Place Concrete Gutter With 6" Curb And Face - Radius .....37.72 14.94

For Up To 20, Add

25.61

For &gt;20 To 50, Add

14.29

For &gt;50 To 100, Add

5.66

For &gt;500 To 1,000, Deduct

-4.86

For &gt;1,000, Deduct

-8.24

For Mountable Or Rolled Curb And Gutter, Add

2.54

32 16 13 13-0006 LF 6" x 24" Cast In Place Concrete Gutter With 6" Curb And Face - Straight (Type A3-6) .....41.42 16.15

For Up To 20, Add

28.08

For &gt;20 To 50, Add

15.66

For &gt;50 To 100, Add

6.21

For &gt;500 To 1,000, Deduct

-5.30

For &gt;1,000, Deduct

-8.99

For Mountable Or Rolled Curb And Gutter, Add

2.73

32 16 13 13-0007 LF 6" x 24" Cast In Place Concrete Gutter With 6" Curb And Face - Radius (Type A3-6) .....46.14 18.18

For Up To 20, Add

31.32

For &gt;20 To 50, Add

17.48

For &gt;50 To 100, Add

6.92

For &gt;500 To 1,000, Deduct

-5.94

For &gt;1,000, Deduct

-10.06

For Mountable Or Rolled Curb And Gutter, Add

3.09

32 16 13 13-0008 LF 6" x 30" Cast In Place Concrete Gutter With 6" Curb And Face - Straight.....49.21 19.18

For Up To 20, Add

33.36

For &gt;20 To 50, Add

18.60

For &gt;50 To 100, Add

7.38

For &gt;500 To 1,000, Deduct

-6.30

For &gt;1,000, Deduct

-10.68

For Mountable Or Rolled Curb And Gutter, Add

3.24



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 16 13 13-0009	LF		6" x 30" Cast In Place Concrete Gutter With 6" Curb And Face - Radius.....	54.08	21.20
			For Up To 20, Add	36.69	
			For >20 To 50, Add	20.46	
			For >50 To 100, Add	8.11	
			For >500 To 1,000, Deduct	-6.94	
			For >1,000, Deduct	-11.77	
			For Mountable Or Rolled Curb And Gutter, Add	3.60	
32 16 13 13-0010	LF		6" x 36" Cast In Place Concrete Gutter With 6" Curb And Face - Straight.....	57.00	22.21
			For Up To 20, Add	38.64	
			For >20 To 50, Add	21.54	
			For >50 To 100, Add	8.55	
			For >500 To 1,000, Deduct	-7.29	
			For >1,000, Deduct	-12.36	
			For Mountable Or Rolled Curb And Gutter, Add	3.75	
32 16 13 13-0011	LF		6" x 36" Cast In Place Concrete Gutter With 6" Curb And Face - Radius.....	62.00	24.23
			For Up To 20, Add	42.05	
			For >20 To 50, Add	23.45	
			For >50 To 100, Add	9.30	
			For >500 To 1,000, Deduct	-7.95	
			For >1,000, Deduct	-13.47	
			For Mountable Or Rolled Curb And Gutter, Add	4.10	
32 16 13 13-0012	LF		6" x 42" Cast In Place Concrete Gutter With 6" Curb And Face - Straight.....	64.78	25.24
			For Up To 20, Add	43.92	
			For >20 To 50, Add	24.48	
			For >50 To 100, Add	9.72	
			For >500 To 1,000, Deduct	-8.29	
			For >1,000, Deduct	-14.05	
			For Mountable Or Rolled Curb And Gutter, Add	4.26	
32 16 13 13-0013	LF		6" x 42" Cast In Place Concrete Gutter With 6" Curb And Face - Radius.....	71.95	28.26
			For Up To 20, Add	48.82	
			For >20 To 50, Add	27.24	
			For >50 To 100, Add	10.79	
			For >500 To 1,000, Deduct	-9.25	
			For >1,000, Deduct	-15.68	
			For Mountable Or Rolled Curb And Gutter, Add	4.81	

**32 16 13 13-0014 Cast In Place Concrete Curbs (32 16 13 13)**

Note: Includes delivered concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing.

32 16 13 13-0015	LF		6" x 12" Cast In Place Concrete Curb (Type A1-6).....	19.69	10.09
			For Mountable Curb, Add	1.42	
			For Up To 20, Add	12.00	
			For >20 To 50, Add	6.81	
			For >50 To 100, Add	2.60	
			For >500 To 1,000, Deduct	-2.60	
			For >1,000, Deduct	-4.39	
32 16 13 13-0016	LF		6" x 12" Cast In Place Concrete Curb - Radius (Type A1-6).....	22.57	11.60
			For Mountable Curb, Add	1.65	
			For Up To 20, Add	13.84	
			For >20 To 50, Add	7.86	
			For >50 To 100, Add	2.99	
			For >500 To 1,000, Deduct	-2.99	
			For >1,000, Deduct	-5.06	
32 16 13 13-0017	LF		6" x 14" Cast In Place Concrete Curb (Type A1-8).....	21.65	10.09
			For Mountable Curb, Add	1.55	
			For Up To 20, Add	13.16	
			For >20 To 50, Add	7.46	
			For >50 To 100, Add	2.85	
			For >500 To 1,000, Deduct	-2.85	
			For >1,000, Deduct	-4.81	
32 16 13 13-0018	LF		6" x 14" Cast In Place Concrete Curb - Radius (Type A1-8).....	24.82	11.60
			For Mountable Curb, Add	1.80	
			For Up To 20, Add	15.17	
			For >20 To 50, Add	8.61	
			For >50 To 100, Add	3.28	
			For >500 To 1,000, Deduct	-3.28	
			For >1,000, Deduct	-5.55	
32 16 13 13-0019	LF		6" x 16" Cast In Place Concrete Curb.....	23.84	10.09
			For Mountable Curb, Add	1.66	
			For Up To 20, Add	14.35	
			For >20 To 50, Add	8.13	
			For >50 To 100, Add	3.11	
			For >500 To 1,000, Deduct	-3.11	
			For >1,000, Deduct	-5.26	
32 16 13 13-0020	LF		6" x 16" Cast In Place Concrete Curb - Radius.....	27.25	15.13
			For Mountable Curb, Add	1.94	
			For Up To 20, Add	16.55	
			For >20 To 50, Add	9.38	
			For >50 To 100, Add	3.58	
			For >500 To 1,000, Deduct	-3.58	
			For >1,000, Deduct	-6.05	
32 16 13 13-0021	LF		6" x 18" Cast In Place Concrete Curb.....	25.59	10.09
			For Mountable Curb, Add	1.75	
			For Up To 20, Add	15.31	
			For >20 To 50, Add	8.67	
			For >50 To 100, Add	3.32	
			For >500 To 1,000, Deduct	-3.32	
			For >1,000, Deduct	-5.62	

**32 Exterior Improvements**

**32 10 Bases, Ballasts, and Paving**

**32 16 Curbs, Gutters, Sidewalks, and Driveways**



MINOR TOTAL DIRECT DEMOLITION  
CSI UOM DESCRIPTION UNIT COST UNIT COST

32 16 13 13-0022	LF	6" x 18" Cast In Place Concrete Curb - Radius.....	28.93	11.60
		<i>For Mountable Curb, Add</i>	2.00	
		<i>For Up To 20, Add</i>	17.39	
		<i>For &gt;20 To 50, Add</i>	9.85	
		<i>For &gt;50 To 100, Add</i>	3.77	
		<i>For &gt;500 To 1,000, Deduct</i>	-3.77	
		<i>For &gt;1,000, Deduct</i>	-6.37	
32 16 13 13-0023	LF	6" x 24" Cast In Place Concrete Curb .....	29.45	11.10
		<i>For Mountable Curb, Add</i>	1.86	
		<i>For Up To 20, Add</i>	17.10	
		<i>For &gt;20 To 50, Add</i>	9.67	
		<i>For &gt;50 To 100, Add</i>	3.71	
		<i>For &gt;500 To 1,000, Deduct</i>	-3.71	
		<i>For &gt;1,000, Deduct</i>	-6.31	
32 16 13 13-0024	LF	6" x 24" Cast In Place Concrete Curb - Radius.....	32.94	12.60
		<i>For Mountable Curb, Add</i>	2.10	
		<i>For Up To 20, Add</i>	19.19	
		<i>For &gt;20 To 50, Add</i>	10.86	
		<i>For &gt;50 To 100, Add</i>	4.17	
		<i>For &gt;500 To 1,000, Deduct</i>	-4.17	
		<i>For &gt;1,000, Deduct</i>	-7.08	
32 16 13 13-0025	LF	12" x 24" Cast In Place Concrete Curb .....	38.53	12.60
		<i>For Mountable Curb, Add</i>	1.79	
		<i>For Up To 20, Add</i>	20.32	
		<i>For &gt;20 To 50, Add</i>	11.42	
		<i>For &gt;50 To 100, Add</i>	4.45	
		<i>For &gt;500 To 1,000, Deduct</i>	-4.45	
		<i>For &gt;1,000, Deduct</i>	-7.64	
32 16 13 13-0026	LF	12" x 24" Cast In Place Concrete Curb - Radius.....	42.89	14.12
		<i>For Mountable Curb, Add</i>	2.02	
		<i>For Up To 20, Add</i>	22.70	
		<i>For &gt;20 To 50, Add</i>	12.76	
		<i>For &gt;50 To 100, Add</i>	4.97	
		<i>For &gt;500 To 1,000, Deduct</i>	-4.97	
		<i>For &gt;1,000, Deduct</i>	-8.53	
32 16 13 13-0027	EA	Additional Finish For Handicap Drop Section In Curb.....	75.63	

**32 16 13 14 Machine Formed, Slip Form Curbs** (32 16 13)

Note: Includes delivered concrete, steel, expansion joints and finish.

**32 16 13 14-0001 Curbs, Machine Formed, Slip Form** (32 16 13 14)

Note: Includes delivered concrete, steel, expansion joints and finish.

32 16 13 14-0002	EA	Machine Formed Concrete Curb Minimum Set-Up Charge (One Time Per Job).....	1,416.50	
		Note: For projects where the total curbing charge is less than the minimum set-up charge, use this task exclusively. This task shall not be used in conjunction with any other tasks in this section.		
32 16 13 14-0003	LF	6" x 12" Straight Concrete Curb, Machine Formed .....	12.86	
32 16 13 14-0004	LF	6" x 12" Curved Concrete Curb, Machine Formed .....	17.31	
32 16 13 14-0005	LF	6" x 18" Straight Concrete Curb, Machine Formed .....	17.03	
32 16 13 14-0006	LF	6" x 18" Curved Concrete Curb, Machine Formed .....	22.18	

**32 16 13 16 Steel Faced Curbs** (32 16 13)

Note: Fabrication includes handicap and other curb access cuts.

**32 16 13 16-0001 Sidewalk/Curb Facing** (32 16 13 16)

Note: Fabrication includes handicap and other curb access cuts.

32 16 13 16-0002	LF	3" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center .....	15.95	4.99
		<i>For Curved Section, Add</i>	3.46	
32 16 13 16-0003	LF	4" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center .....	17.54	5.68
		<i>For Curved Section, Add</i>	3.88	
32 16 13 16-0004	LF	6" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center .....	23.70	6.36
		<i>For Curved Section, Add</i>	4.77	
32 16 13 16-0005	LF	8" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center .....	29.11	7.15
		<i>For Curved Section, Add</i>	5.57	
32 16 13 16-0006	LF	10" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center .....	35.65	7.83
		<i>For Curved Section, Add</i>	6.50	
32 16 13 16-0007	LF	12" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center .....	46.62	9.99
		<i>For Curved Section, Add</i>	8.39	
32 16 13 16-0008	LF	13" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center .....	53.71	12.94
		<i>For Curved Section, Add</i>	10.21	
32 16 13 16-0009	EA	Sidewalk/Curb Steel Facing, Pedestrian Ramps, Two Drops Per Section.....	168.47	

**32 16 13 19 Cast-In-Place Concrete Drainage Ditches** (32 16 13)

Note: Includes concrete, forms, rebar (where required), rebar chairs (where necessary), expansion joints, finish and curing.

**32 16 13 19-0001 Valley Gutter, Cast In Place** (32 16 13 19)

Note: Includes concrete, forms, rebar, expansion joints, finish and curing.

32 16 13 19-0002	LF	2' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	21.89	
		<i>For Up To 20, Add</i>	9.85	
		<i>For &gt;20 To 50, Add</i>	5.47	
		<i>For &gt;50 To 100, Add</i>	2.19	
		<i>For &gt;500 To 1,000, Deduct</i>	-2.19	
		<i>For &gt;1,000, Deduct</i>	-3.83	

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
		UNIT COST	UNIT COST

32 16 13 19-0003	LF 2-1/2' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	26.85	
	For Up To 20, Add	11.96	
	For >20 To 50, Add	6.64	
	For >50 To 100, Add	2.66	
	For >500 To 1,000, Deduct	-2.66	
	For >1,000, Deduct	-4.66	
32 16 13 19-0004	LF 3' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	31.77	
	For Up To 20, Add	14.03	
	For >20 To 50, Add	7.79	
	For >50 To 100, Add	3.12	
	For >500 To 1,000, Deduct	-3.12	
	For >1,000, Deduct	-5.48	
32 16 13 19-0005	LF 3-1/2' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	36.66	
	For Up To 20, Add	16.09	
	For >20 To 50, Add	8.92	
	For >50 To 100, Add	3.58	
	For >500 To 1,000, Deduct	-3.58	
	For >1,000, Deduct	-6.29	
32 16 13 19-0006	LF 4' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	41.56	
	For Up To 20, Add	18.15	
	For >20 To 50, Add	10.06	
	For >50 To 100, Add	4.05	
	For >500 To 1,000, Deduct	-4.05	
	For >1,000, Deduct	-7.11	
32 16 13 19-0007	LF 5' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	49.49	
	For Up To 20, Add	20.97	
	For >20 To 50, Add	11.59	
	For >50 To 100, Add	4.69	
	For >500 To 1,000, Deduct	-4.69	
	For >1,000, Deduct	-8.27	
32 16 13 19-0008	LF 6' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	57.14	
	For Up To 20, Add	23.59	
	For >20 To 50, Add	13.01	
	For >50 To 100, Add	5.29	
	For >500 To 1,000, Deduct	-5.29	
	For >1,000, Deduct	-9.36	
32 16 13 19-0009	SF >6' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	9.52	
	For Up To 100, Add	3.93	
	For >100 To 250, Add	2.17	
	For >250 To 500, Add	0.88	
	For >2,500 To 5,000, Deduct	-0.88	
	For >5,000, Deduct	-1.56	
32 16 13 19-0010	LF 2' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	24.11	
	For Up To 20, Add	10.58	
	For >20 To 50, Add	5.87	
	For >50 To 100, Add	2.36	
	For >500 To 1,000, Deduct	-2.36	
	For >1,000, Deduct	-4.14	
32 16 13 19-0011	LF 2-1/2' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	29.80	
	For Up To 20, Add	12.99	
	For >20 To 50, Add	7.20	
	For >50 To 100, Add	2.90	
	For >500 To 1,000, Deduct	-2.90	
	For >1,000, Deduct	-5.09	
32 16 13 19-0012	LF 3' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	35.08	
	For Up To 20, Add	15.12	
	For >20 To 50, Add	8.37	
	For >50 To 100, Add	3.37	
	For >500 To 1,000, Deduct	-3.37	
	For >1,000, Deduct	-5.94	
32 16 13 19-0013	LF 3-1/2' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	40.52	
	For Up To 20, Add	17.35	
	For >20 To 50, Add	9.60	
	For >50 To 100, Add	3.88	
	For >500 To 1,000, Deduct	-3.88	
	For >1,000, Deduct	-6.83	
32 16 13 19-0014	LF 4' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	45.95	
	For Up To 20, Add	19.58	
	For >20 To 50, Add	10.83	
	For >50 To 100, Add	4.37	
	For >500 To 1,000, Deduct	-4.37	
	For >1,000, Deduct	-7.71	
32 16 13 19-0015	LF 5' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	54.84	
	For Up To 20, Add	22.65	
	For >20 To 50, Add	12.50	
	For >50 To 100, Add	5.08	
	For >500 To 1,000, Deduct	-5.08	
	For >1,000, Deduct	-8.99	
32 16 13 19-0016	LF 6' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	63.44	
	For Up To 20, Add	25.52	
	For >20 To 50, Add	14.05	
	For >50 To 100, Add	5.74	
	For >500 To 1,000, Deduct	-5.74	
	For >1,000, Deduct	-10.19	
32 16 13 19-0017	SF >6' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	10.57	
	For Up To 100, Add	4.25	
	For >100 To 250, Add	2.34	
	For >250 To 500, Add	0.96	
	For >2,500 To 5,000, Deduct	-0.96	
	For >5,000, Deduct	-1.70	

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 16 Curbs, Gutters, Sidewalks, and Driveways**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 16 13 19-0018	LF	2' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	24.22	
		<i>For Up To 20, Add</i>	10.91	
		<i>For &gt;20 To 50, Add</i>	6.06	
		<i>For &gt;50 To 100, Add</i>	2.42	
		<i>For &gt;500 To 1,000, Deduct</i>	-2.42	
		<i>For &gt;1,000, Deduct</i>	-4.24	
32 16 13 19-0019	LF	2-1/2' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	29.74	
		<i>For Up To 20, Add</i>	13.26	
		<i>For &gt;20 To 50, Add</i>	7.36	
		<i>For &gt;50 To 100, Add</i>	2.95	
		<i>For &gt;500 To 1,000, Deduct</i>	-2.95	
		<i>For &gt;1,000, Deduct</i>	-5.17	
32 16 13 19-0020	LF	3' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	35.17	
		<i>For Up To 20, Add</i>	15.55	
		<i>For &gt;20 To 50, Add</i>	8.63	
		<i>For &gt;50 To 100, Add</i>	3.46	
		<i>For &gt;500 To 1,000, Deduct</i>	-3.46	
		<i>For &gt;1,000, Deduct</i>	-6.07	
32 16 13 19-0021	LF	3-1/2' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	40.62	
		<i>For Up To 20, Add</i>	17.85	
		<i>For &gt;20 To 50, Add</i>	9.90	
		<i>For &gt;50 To 100, Add</i>	3.98	
		<i>For &gt;500 To 1,000, Deduct</i>	-3.98	
		<i>For &gt;1,000, Deduct</i>	-6.98	
32 16 13 19-0022	LF	4' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	46.06	
		<i>For Up To 20, Add</i>	20.15	
		<i>For &gt;20 To 50, Add</i>	11.17	
		<i>For &gt;50 To 100, Add</i>	4.49	
		<i>For &gt;500 To 1,000, Deduct</i>	-4.49	
		<i>For &gt;1,000, Deduct</i>	-7.89	
32 16 13 19-0023	LF	5' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	54.83	
32 16 13 19-0024	LF	6' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	63.29	
32 16 13 19-0025	SF	>6' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	10.54	
		<i>For Up To 100, Add</i>	4.36	
		<i>For &gt;100 To 250, Add</i>	2.40	
		<i>For &gt;250 To 500, Add</i>	0.98	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.98	
		<i>For &gt;5,000, Deduct</i>	-1.73	

**32 16 13 23 Precast Concrete Curbs and Gutters (32 16 13)****32 16 13 23-0001 Precast Concrete Curb (32 16 13 23)**

32 16 13 23-0002	LF	6" x 18" Precast Concrete Curb.....	41.96	9.35
32 16 13 23-0003	LF	6" x 18" Precast Concrete Curb, Radius.....	50.26	10.75
32 16 13 23-0004	LF	6" x 20" Precast Concrete Curb.....	44.62	9.35
32 16 13 23-0005	LF	6" x 20" Precast Concrete Curb, Radius.....	53.78	10.75
32 16 13 23-0006	LF	7" x 18" Precast Concrete Curb.....	45.84	9.35
32 16 13 23-0007	LF	7" x 18" Precast Concrete Curb, Radius.....	55.18	10.75
32 16 13 23-0008	LF	7" x 20" Precast Concrete Curb.....	48.85	9.35
32 16 13 23-0009	LF	7" x 20" Precast Concrete Curb, Radius.....	59.00	10.75

**32 16 13 33 Asphalt Curbs (32 16 13)****32 16 13 33-0001 Asphalt Curbs (32 16 13 33)**

32 16 13 33-0002	LF	6" Wide x 6" High Asphalt Curb 64 LF/TON, Bituminous, Plain.....	12.62	5.11
32 16 13 33-0003	LF	8" Wide x 6" High Asphalt Curb 50 LF/TON, Bituminous, Plain.....	14.20	5.68
32 16 13 33-0004	LF	8" Wide x 8" High Asphalt Curb 44 LF/TON, Bituminous, Plain.....	15.67	6.24

**32 16 13 43 Stone Curbs (32 16 13)****32 16 13 43-0001 Granite Curbs (32 16 13 43)****32 16 13 43-0002 Split Face Granite Curbs (32 16 13 43-0001)**

32 16 13 43-0003	LF	4" To 5" x 12" To 14" Split Face Granite Curb, Straight Section.....	26.74	9.08
		<i>For Up To 20, Add</i>	11.42	
		<i>For &gt;20 To 50, Add</i>	6.32	
		<i>For &gt;50 To 100, Add</i>	2.55	
		<i>For &gt;500 To 1,000, Deduct</i>	-2.55	
		<i>For &gt;1,000, Deduct</i>	-4.50	
32 16 13 43-0004	LF	6" To 8" x 12" To 14" Split Face Granite Curb, Straight Section.....	31.49	9.93
		<i>For Up To 20, Add</i>	12.90	
		<i>For &gt;20 To 50, Add</i>	7.11	
		<i>For &gt;50 To 100, Add</i>	2.89	
		<i>For &gt;500 To 1,000, Deduct</i>	-2.89	
		<i>For &gt;1,000, Deduct</i>	-5.13	
32 16 13 43-0005	LF	4" To 5" x 16" To 18" Split Face Granite Curb, Straight Section.....	34.72	10.67
		<i>For Up To 20, Add</i>	14.04	
		<i>For &gt;20 To 50, Add</i>	7.73	
		<i>For &gt;50 To 100, Add</i>	3.16	
		<i>For &gt;500 To 1,000, Deduct</i>	-3.16	
		<i>For &gt;1,000, Deduct</i>	-5.60	
32 16 13 43-0006	LF	6" To 8" x 16" To 18" Split Face Granite Curb, Straight Section.....	40.93	11.51
		<i>For Up To 20, Add</i>	15.81	
		<i>For &gt;20 To 50, Add</i>	8.67	
		<i>For &gt;50 To 100, Add</i>	3.57	
		<i>For &gt;500 To 1,000, Deduct</i>	-3.57	
		<i>For &gt;1,000, Deduct</i>	-6.38	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 43-0007 LF 4" To 5" x 12" To 14" Split Face Granite Curb, Curved Section.....	32.78	9.93
For Up To 20, Add	13.13	
For >20 To 50, Add	7.22	
For >50 To 100, Add	2.95	
For >500 To 1,000, Deduct	-2.95	
For >1,000, Deduct	-5.25	
32 16 13 43-0008 LF 6" To 8" x 12" To 14" Split Face Granite Curb, Curved Section.....	37.52	10.67
For Up To 20, Add	14.60	
For >20 To 50, Add	8.01	
For >50 To 100, Add	3.30	
For >500 To 1,000, Deduct	-3.30	
For >1,000, Deduct	-5.88	
32 16 13 43-0009 LF 4" To 5" x 16" To 18" Split Face Granite Curb, Curved Section.....	40.80	11.51
For Up To 20, Add	15.79	
For >20 To 50, Add	8.66	
For >50 To 100, Add	3.57	
For >500 To 1,000, Deduct	-3.57	
For >1,000, Deduct	-6.37	
32 16 13 43-0010 LF 6" To 8" x 16" To 18" Split Face Granite Curb, Curved Section.....	47.02	12.26
For Up To 20, Add	17.56	
For >20 To 50, Add	9.60	
For >50 To 100, Add	3.98	
For >500 To 1,000, Deduct	-3.98	
For >1,000, Deduct	-7.15	
<b>32 16 13 43-0011 Sawn Face Granite Curbs (32 16 13 43-0001)</b>		
32 16 13 43-0012 LF 4" To 5" x 12" To 14" Sawn Face Granite Curb, Straight Section.....	26.74	9.08
For Up To 20, Add	11.42	
For >20 To 50, Add	6.32	
For >50 To 100, Add	2.55	
For >500 To 1,000, Deduct	-2.55	
For >1,000, Deduct	-4.50	
32 16 13 43-0013 LF 6" To 8" x 12" To 14" Sawn Face Granite Curb, Straight Section.....	31.49	9.93
For Up To 20, Add	12.90	
For >20 To 50, Add	7.11	
For >50 To 100, Add	2.89	
For >500 To 1,000, Deduct	-2.89	
For >1,000, Deduct	-5.13	
32 16 13 43-0014 LF 4" To 5" x 16" To 18" Sawn Face Granite Curb, Straight Section.....	34.78	10.67
For Up To 20, Add	14.09	
For >20 To 50, Add	7.76	
For >50 To 100, Add	3.17	
For >500 To 1,000, Deduct	-3.17	
For >1,000, Deduct	-5.62	
32 16 13 43-0015 LF 6" To 8" x 16" To 18" Sawn Face Granite Curb, Straight Section.....	40.99	11.51
For Up To 20, Add	15.85	
For >20 To 50, Add	8.69	
For >50 To 100, Add	3.58	
For >500 To 1,000, Deduct	-3.58	
For >1,000, Deduct	-6.40	
32 16 13 43-0016 LF 4" To 5" x 12" To 14" Sawn Face Granite Curb, Curved Section.....	36.90	9.93
For Up To 20, Add	13.98	
For >20 To 50, Add	7.65	
For >50 To 100, Add	3.17	
For >500 To 1,000, Deduct	-3.17	
For >1,000, Deduct	-5.67	
32 16 13 43-0017 LF 6" To 8" x 12" To 14" Sawn Face Granite Curb, Curved Section.....	43.93	10.67
For Up To 20, Add	15.92	
For >20 To 50, Add	8.67	
For >50 To 100, Add	3.62	
For >500 To 1,000, Deduct	-3.62	
For >1,000, Deduct	-6.53	
32 16 13 43-0018 LF 4" To 5" x 16" To 18" Sawn Face Granite Curb, Curved Section.....	48.60	11.51
For Up To 20, Add	17.38	
For >20 To 50, Add	9.45	
For >50 To 100, Add	3.96	
For >500 To 1,000, Deduct	-3.96	
For >1,000, Deduct	-7.16	
32 16 13 43-0019 LF 6" To 8" x 16" To 18" Sawn Face Granite Curb, Curved Section.....	58.05	12.26
For Up To 20, Add	19.80	
For >20 To 50, Add	10.72	
For >50 To 100, Add	4.54	
For >500 To 1,000, Deduct	-4.54	
For >1,000, Deduct	-8.26	
<b>32 16 13 43-0020 Granite Base And Curbs (32 16 13 43-0001)</b>		
32 16 13 43-0021 LF 4" High Granite Base.....	30.14	11.57
For Up To 20, Add	13.71	
For >20 To 50, Add	7.62	
For >50 To 100, Add	3.04	
For >500 To 1,000, Deduct	-3.04	
For >1,000, Deduct	-5.32	
32 16 13 43-0022 LF 6" High Granite Base.....	35.61	15.14
For Up To 20, Add	17.21	
For >20 To 50, Add	9.61	
For >50 To 100, Add	3.80	
For >500 To 1,000, Deduct	-3.80	
For >1,000, Deduct	-6.59	

**32 Exterior Improvements**

**32 10 Bases, Ballasts, and Paving**

**32 16 Curbs, Gutters, Sidewalks, and Driveways**



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 16 13 43-0023	Remove And Reset Stone And Precast Curbing <small>(32 16 13 43)</small>	
	Note: Includes storage and cleaning.	
32 16 13 43-0024	LF Removal And Resetting Of Stone Or Precast Curbing.....	34.86
	Note: Includes storage and cleaning.	

**32 16 23 Sidewalks** (32 16)

32 16 23 00-0001	Cast In Place Concrete Sidewalk <small>(32 16 23)</small>	
	Note: Includes finish grading, delivered concrete (up to 3500 PSI) by chute, formwork, 1/4" radius joints and edges, polyethylene sheeting, control joints, expansion joints, screed, broom finish, and curing. Excludes excavation, base, base compaction and welded wire reinforcement. For bar or fiber reinforcing, add bar or fiber reinforcing tasks. See CSI section 02 41 13 13-0000 for sidewalk removal, 03 21 00 00-0000 for reinforcing steel, 03 31 13 00-0087 for buggies, 03 31 13 00-0094 for small quantity purchases, 03 31 13 00-0096 for delivery fee, 03 37 16 00-0001 for pumping with boom truck, 31 23 16 36-0000 for excavation, 32 11 23 16-0001 for base course.	
32 16 23 00-0002	SF 4" Cast In Place Concrete Sidewalk .....	9.27
	For Up To 100, Add	3.94
	For >100 To 500, Add	1.11
	For >1,000 To 5,000, Deduct	-0.65
	For >5,000, Deduct	-1.44
	For Welded Wire Reinforcement, Add	0.79
32 16 23 00-0003	SF 5" Cast In Place Concrete Sidewalk .....	10.09
	For Up To 100, Add	4.20
	For >100 To 500, Add	1.18
	For >1,000 To 5,000, Deduct	-0.67
	For >5,000, Deduct	-1.51
	For Welded Wire Reinforcement, Add	0.79
32 16 23 00-0004	SF 6" Cast In Place Concrete Sidewalk .....	10.92
	For Up To 100, Add	4.47
	For >100 To 500, Add	1.24
	For >1,000 To 5,000, Deduct	-0.70
	For >5,000, Deduct	-1.59
	For Welded Wire Reinforcement, Add	0.79
32 16 23 00-0005	SF 7" Cast In Place Concrete Sidewalk .....	12.78
	For Up To 100, Add	5.17
	For >100 To 500, Add	1.43
	For >1,000 To 5,000, Deduct	-0.79
	For >5,000, Deduct	-1.82
	For Welded Wire Reinforcement, Add	0.79
32 16 23 00-0006	SF 8" Cast In Place Concrete Sidewalk .....	13.50
	For Up To 100, Add	5.39
	For >100 To 500, Add	1.48
	For >1,000 To 5,000, Deduct	-0.80
	For >5,000, Deduct	-1.88
	For Welded Wire Reinforcement, Add	0.79
32 16 23 00-0007	SF For Exposed Aggregate Finish In Sidewalk .....	2.31
32 16 23 00-0008	EA Finish Concrete Handicap Drop Section In Sidewalk.....	138.69
	Note: Excludes patterned (tactile) finish.	

32 16 23 00-0009	Bituminous Sidewalk <small>(32 16 23)</small>	
	Note: Includes finish grading, delivered asphalt, formwork, control joints, expansion joints, and compaction. Excludes excavation, base, and base compaction. See CSI section 31 00 00 00-0000 for excavation, 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course.	
32 16 23 00-0010	SY 1" Bituminous Sidewalk.....	9.19
	For Up To 100, Add	3.38
	For >100 To 500, Add	0.89
	For >1,000 To 5,000, Deduct	-0.43
	For >5,000, Deduct	-0.89
32 16 23 00-0011	SY 1-1/2" Bituminous Sidewalk .....	11.57
	For Up To 100, Add	4.19
	For >100 To 500, Add	1.10
	For >1,000 To 5,000, Deduct	-0.52
	For >5,000, Deduct	-1.10
32 16 23 00-0012	SY 2" Bituminous Sidewalk.....	16.15
	For Up To 100, Add	5.65
	For >100 To 500, Add	1.45
	For >1,000 To 5,000, Deduct	-0.64
	For >5,000, Deduct	-1.45
32 16 23 00-0013	SY 2-1/2" Bituminous Sidewalk .....	20.20
	For Up To 100, Add	7.05
	For >100 To 500, Add	1.81
	For >1,000 To 5,000, Deduct	-0.80
	For >5,000, Deduct	-1.81
32 16 23 00-0014	SY 3" Bituminous Sidewalk.....	23.31
	For Up To 100, Add	7.99
	For >100 To 500, Add	2.03
	For >1,000 To 5,000, Deduct	-0.87
	For >5,000, Deduct	-2.03
32 16 23 00-0015	SY 3-1/2" Bituminous Sidewalk .....	26.99
	For Up To 100, Add	9.13
	For >100 To 500, Add	2.30
	For >1,000 To 5,000, Deduct	-0.95
	For >5,000, Deduct	-2.30

**32 16 43 Asphalt Dike** (32 16)

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>32 16 43 00-0001</b>	<b>Asphalt Dike</b> <small>(32 16 43)</small>		
32 16 43 00-0002	LF Type A, Asphalt Dike, 11" Base, 5" Top, 6" Height.....	6.82	
32 16 43 00-0003	LF Type B, Asphalt Dike, 13" Base, 5" Top, 8" Height.....	9.39	
32 16 43 00-0004	LF Type C-6, Asphalt Dike, 18" Base, 6" Top, 6" Height.....	9.39	
32 16 43 00-0005	LF Type C-8, Asphalt Dike, 22" Base, 6" Top, 8" Height.....	13.46	
32 16 43 00-0006	LF Type C-9, Asphalt Dike, 24" Base, 6" Top, 9" Height.....	15.96	
32 16 43 00-0007	LF Type D, Asphalt Dike, 8" Base, 4" Top, 2" Height.....	3.55	
32 16 43 00-0008	LF Type E, Mountable Asphalt Dike, 16" Base, 12" Top, 2" Height Front, 6" Height Back .....	9.75	
32 16 43 00-0009	LF Type F, Mountable Asphalt Dike, 26" Base, 20" Top, 2" Height Front, 8" Height Back.....	15.06	
32 16 43 00-0010	LF CALTRANS Type A, Asphalt Dike, 11" Base, 5" Top, 6" Height.....	6.82	
32 16 43 00-0011	LF CALTRANS Type C, Asphalt Dike, 8" Base, 4" Top, 2" Height.....	3.55	
32 16 43 00-0012	LF CALTRANS Type D, Mountable Asphalt Dike, 26" Base, 20" Top, 2" Height Front, 8" Height Back .....	15.06	
32 16 43 00-0013	LF CALTRANS Type E, Mountable Asphalt Dike, 16" Base, 12" Top, 2" Height Front, 6" Height Back .....	9.75	
32 16 43 00-0014	LF CALTRANS Type F, Asphalt Dike, 8" Base, 4" Top, 4" Height.....	5.20	

**32 17 Paving Specialties** (32 10)
**32 17 13 Parking Bumpers** (32 17)

Note: Includes dowels set.

**32 17 13 16 Plastic Parking Bumpers** (32 17 13)

32 17 13 16-0001	EA 4' x 6" x 4' Recycled Plastic Wheel Stop .....	165.74	6.60
32 17 13 16-0002	EA 4' x 6" x 6' Recycled Plastic Wheel Stop .....	187.79	6.60

**32 17 13 19 Precast Concrete Parking Bumpers** (32 17 13)

32 17 13 19-0001	EA 6" x 8" x 4' Precast Concrete Wheel Stop With Dowels.....	40.58	19.87
32 17 13 19-0002	EA 6" x 6" x 6' Precast Concrete Wheel Stop With Dowels.....	46.64	19.87
32 17 13 19-0003	EA 6" x 8" x 6' Precast Concrete Wheel Stop With Dowels.....	47.42	19.87
32 17 13 19-0004	EA 6" x 10" x 6' Precast Concrete Wheel Stop With Dowels.....	49.02	19.87
32 17 13 19-0005	EA 8" x 4-1/2" x 6' Precast Concrete Wheel Stop With Dowels.....	46.64	19.87
32 17 13 19-0006	EA 8" x 13" x 6' Precast Concrete Wheel Stop With Dowels.....	55.45	19.87
32 17 13 19-0007	EA Removal And Relocation Of Precast Concrete Wheel Stop.....	31.79	
32 17 13 19-0008	EA Removal And Relocation Of Plastic Or Wood Wheel Stop .....	20.67	

**32 17 13 23 Rubber Parking Bumpers** (32 17 13)

32 17 13 23-0001	EA 3' Recycled Rubber Wheel Stop .....	27.34	6.60
32 17 13 23-0002	EA 4' Recycled Rubber Wheel Stop .....	31.72	6.60
32 17 13 23-0003	EA 5' Recycled Rubber Wheel Stop .....	33.48	6.60
32 17 13 23-0004	EA 6' Recycled Rubber Wheel Stop .....	36.11	6.60

**32 17 13 26 Wood Parking Bumpers** (32 17 13)

32 17 13 26-0001	LF 4" x 4" Timber Barrier With Saddles For Cars, Pressure Treated.....	12.35	1.59
32 17 13 26-0002	LF 6" x 6" Timber Barriers With Saddle For Trucks, Pressure Treated.....	18.02	1.59

**32 17 16 Manufactured Traffic-Calming Devices** (32 17)
**32 17 16 00-0001 Speed Bumps** (32 17 16)

Note: Excludes pavement markings or reflectors.

32 17 16 00-0002	LF 2-1/4" High x 10-1/2" Wide, Asphalt Speed Bump .....	36.53	1.74
32 17 16 00-0003	LF 2-1/4" High x 12" Wide, Recycled Rubber Speed Bump.....	26.73	1.17
32 17 16 00-0004	LF 2-5/8" High x 12" Wide, Recycled Plastic Speed Bump.....	121.32	1.17

**32 17 23 Pavement Markings** (32 17)

See CSI section 01 55 26 00-0000 for temporary markings and removable line mask tape.

**32 17 23 13 Painted Pavement Markings** (32 17 23)
**32 17 23 13-0001 Painted Pavement Striping, Letters, Symbols And Markers For Roads** (32 17 23)

Note: Includes primers, adhesive and glass beads where required. For broken line quantities use total lane length. Per Coat.

**32 17 23 13-0002 Alkyd/Solvent Based/Latex Reflective Pavement Marking** (32 17 23 13-0001)

Note: 15 mil thickness.

32 17 23 13-0003	LF Single 4" Wide Solid Line, Painted Reflective Pavement Striping.....	0.31	
	For Up To 5,000 LF, Add	0.06	
	For >25,000 LF, Deduct	-0.05	
	For Broken Line, Deduct	-0.06	
32 17 23 13-0004	LF Single 6" Wide Solid Line, Painted Reflective Pavement Striping.....	0.39	
	For Up To 5,000 LF, Add	0.08	
	For >25,000 LF, Deduct	-0.06	
	For Broken Line, Deduct	-0.08	
32 17 23 13-0005	LF Single 8" Wide Solid Line, Painted Reflective Pavement Striping.....	0.50	
	For Up To 5,000 LF, Add	0.10	
	For >25,000 LF, Deduct	-0.08	
	For Broken Line, Deduct	-0.11	
32 17 23 13-0006	LF Single 12" Wide Solid Line, Painted Reflective Pavement Striping.....	0.67	
	For Up To 5,000 LF, Add	0.13	
	For >25,000 LF, Deduct	-0.10	
	For Broken Line, Deduct	-0.16	

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

32 17 23 13-0007	LF	Double 4" Wide Solid Lines, Painted Reflective Pavement Striping.....	0.45
		<i>For Up To 5,000 LF, Add</i>	0.09
		<i>For &gt;25,000 LF, Deduct</i>	-0.07
		<i>For Broken Line On One Side, Deduct</i>	-0.05
		<i>For Double Broken Line, Deduct</i>	-0.11
32 17 23 13-0008	LF	Double 6" Wide Solid Lines, Painted Reflective Pavement Striping.....	0.67
		<i>For Up To 5,000 LF, Add</i>	0.13
		<i>For &gt;25,000 LF, Deduct</i>	-0.10
		<i>For Broken Line On One Side, Deduct</i>	-0.08
		<i>For Double Broken Line, Deduct</i>	-0.16
32 17 23 13-0009	SF	Solid Area, Painted Reflective Pavement Striping .....	5.92
		Note: Use this task for: lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.	
32 17 23 13-0010	EA	6" High, Letter/Number, Alkyd Reflective Pavement Striping.....	4.26
		<i>For &lt;10, Add</i>	0.59
		<i>For &gt;50 To 100, Deduct</i>	-0.29
		<i>For &gt;100 To 200, Deduct</i>	-0.39
		<i>For &gt;200, Deduct</i>	-0.78
32 17 23 13-0011	EA	12" High, Letter/Number, Alkyd Reflective Pavement Striping.....	7.19
		<i>For &lt;10, Add</i>	0.89
		<i>For &gt;50 To 100, Deduct</i>	-0.44
		<i>For &gt;100 To 200, Deduct</i>	-0.59
		<i>For &gt;200, Deduct</i>	-1.18
32 17 23 13-0012	EA	24" High, Letter/Number, Alkyd Reflective Pavement Striping.....	12.06
		<i>For &lt;10, Add</i>	1.47
		<i>For &gt;50 To 100, Deduct</i>	-0.74
		<i>For &gt;100 To 200, Deduct</i>	-0.98
		<i>For &gt;200, Deduct</i>	-1.96
32 17 23 13-0013	EA	36" High, Letter/Number, Alkyd Reflective Pavement Striping.....	23.57
		<i>For &lt;10, Add</i>	2.94
		<i>For &gt;50 To 100, Deduct</i>	-1.47
		<i>For &gt;100 To 200, Deduct</i>	-1.96
		<i>For &gt;200, Deduct</i>	-3.92
32 17 23 13-0014	EA	48" High, Letter/Number, Alkyd Reflective Pavement Striping.....	27.15
		<i>For &lt;10, Add</i>	3.30
		<i>For &gt;50 To 100, Deduct</i>	-1.65
		<i>For &gt;100 To 200, Deduct</i>	-2.20
		<i>For &gt;200, Deduct</i>	-4.40
32 17 23 13-0015	EA	72" High, Letter/Number, Alkyd Reflective Pavement Striping.....	48.54
		<i>For &lt;10, Add</i>	5.88
		<i>For &gt;50 To 100, Deduct</i>	-2.94
		<i>For &gt;100 To 200, Deduct</i>	-3.92
		<i>For &gt;200, Deduct</i>	-7.83
32 17 23 13-0016	EA	96" High, Letter/Number, Alkyd Reflective Pavement Striping.....	64.93
		<i>For &lt;10, Add</i>	7.89
		<i>For &gt;50 To 100, Deduct</i>	-3.95
		<i>For &gt;100 To 200, Deduct</i>	-5.26
		<i>For &gt;200, Deduct</i>	-10.52
32 17 23 13-0017	EA	120" High, Letter/Number, Alkyd Reflective Pavement Striping.....	92.70
		<i>For &lt;10, Add</i>	9.78
		<i>For &gt;50 To 100, Deduct</i>	-4.89
		<i>For &gt;100 To 200, Deduct</i>	-6.52
		<i>For &gt;200, Deduct</i>	-13.03
32 17 23 13-0018	SF	Letter/Number, Painted Reflective Pavement Marking .....	6.80
32 17 23 13-0019	SF	Symbols, Painted Reflective Pavement Marking .....	8.13
		Note: Handicap, railroad, diamond, arrows, etc.	

**32 17 23 13-0020 Painted Reflective Pavement Marking (CALTRANS)** (32 17 23 13-0001)

Note: Per LF of detail.

32 17 23 13-0021	LF	CALTRANS Detail 1 Centerline, Painted Reflective Pavement Striping .....	0.25
		<i>For Up To 5,000 LF, Add</i>	0.05
		<i>For &gt;25,000 LF, Deduct</i>	-0.04
32 17 23 13-0022	LF	CALTRANS Detail 2 Centerline, Painted Reflective Pavement Striping .....	0.37
		<i>For Up To 5,000 LF, Add</i>	0.07
		<i>For &gt;25,000 LF, Deduct</i>	-0.06
32 17 23 13-0023	LF	CALTRANS Detail 4 Centerline .....	0.66
		<i>For Up To 5,000 LF, Add</i>	0.13
		<i>For &gt;25,000 LF, Deduct</i>	-0.10
32 17 23 13-0024	LF	CALTRANS Detail 5 Centerline, Painted Reflective Pavement Striping .....	0.25
		<i>For Up To 5,000 LF, Add</i>	0.05
		<i>For &gt;25,000 LF, Deduct</i>	-0.04
32 17 23 13-0025	LF	CALTRANS Detail 6 Centerline, Painted Reflective Pavement Striping .....	0.38
		<i>For Up To 5,000 LF, Add</i>	0.08
		<i>For &gt;25,000 LF, Deduct</i>	-0.06
32 17 23 13-0026	LF	CALTRANS Detail 7 Centerline .....	0.47
		<i>For Up To 5,000 LF, Add</i>	0.09
		<i>For &gt;25,000 LF, Deduct</i>	-0.07
32 17 23 13-0027	LF	CALTRANS Detail 8 Lanelines, Painted Reflective Pavement Striping .....	0.25
		<i>For Up To 5,000 LF, Add</i>	0.05
		<i>For &gt;25,000 LF, Deduct</i>	-0.04
32 17 23 13-0028	LF	CALTRANS Detail 9 Lanelines, Painted Reflective Pavement Striping .....	0.37
		<i>For Up To 5,000 LF, Add</i>	0.07
		<i>For &gt;25,000 LF, Deduct</i>	-0.06
32 17 23 13-0029	LF	CALTRANS Detail 10 Lanelines .....	0.66
		<i>For Up To 5,000 LF, Add</i>	0.13
		<i>For &gt;25,000 LF, Deduct</i>	-0.10
32 17 23 13-0030	LF	CALTRANS Detail 11 Lanelines, Painted Reflective Pavement Striping .....	0.25
		<i>For Up To 5,000 LF, Add</i>	0.05
		<i>For &gt;25,000 LF, Deduct</i>	-0.04



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0031	LF		CALTRANS Detail 12 Lanelines, Painted Reflective Pavement Striping .....	0.37	
			<i>For Up To 5,000 LF, Add</i>	0.07	
			<i>For &gt;25,000 LF, Deduct</i>	-0.06	
32 17 23 13-0032	LF		CALTRANS Detail 13 Lanelines .....	0.47	
			<i>For Up To 5,000 LF, Add</i>	0.09	
			<i>For &gt;25,000 LF, Deduct</i>	-0.07	
32 17 23 13-0033	LF		CALTRANS Detail 14 Lanelines .....	0.47	
			<i>For Up To 5,000 LF, Add</i>	0.09	
			<i>For &gt;25,000 LF, Deduct</i>	-0.07	
32 17 23 13-0034	LF		CALTRANS Detail 14A Lanelines, Painted Reflective Pavement Striping.....	0.37	
			<i>For Up To 5,000 LF, Add</i>	0.07	
			<i>For &gt;25,000 LF, Deduct</i>	-0.06	
32 17 23 13-0035	LF		CALTRANS Detail 15 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping.....	0.34	
			<i>For Up To 5,000 LF, Add</i>	0.07	
			<i>For &gt;25,000 LF, Deduct</i>	-0.05	
			<i>For Broken Line On One Side, Deduct</i>	-0.04	
			<i>For Double Broken Line, Deduct</i>	-0.08	
32 17 23 13-0036	LF		CALTRANS Detail 16 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping.....	0.78	
			<i>For Up To 5,000 LF, Add</i>	0.16	
			<i>For &gt;25,000 LF, Deduct</i>	-0.12	
32 17 23 13-0037	LF		CALTRANS Detail 17 No Passing Zones-One Direction Lanelines.....	1.91	
			<i>For Up To 5,000 LF, Add</i>	0.38	
			<i>For &gt;25,000 LF, Deduct</i>	-0.29	
32 17 23 13-0038	LF		CALTRANS Detail 18 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping.....	0.34	
			<i>For Up To 5,000 LF, Add</i>	0.07	
			<i>For &gt;25,000 LF, Deduct</i>	-0.05	
			<i>For Broken Line On One Side, Deduct</i>	-0.04	
			<i>For Double Broken Line, Deduct</i>	-0.08	
32 17 23 13-0039	LF		CALTRANS Detail 19 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping.....	0.67	
			<i>For Up To 5,000 LF, Add</i>	0.13	
			<i>For &gt;25,000 LF, Deduct</i>	-0.10	
32 17 23 13-0040	LF		CALTRANS Detail 20 No Passing Zones-One Direction Lanelines.....	1.62	
			<i>For Up To 5,000 LF, Add</i>	0.32	
			<i>For &gt;25,000 LF, Deduct</i>	-0.24	
32 17 23 13-0041	LF		CALTRANS Detail 21 No Passing Zones-Two Direction Lanelines, Painted Reflective Pavement Striping.....	0.40	
			<i>For Up To 5,000 LF, Add</i>	0.08	
			<i>For &gt;25,000 LF, Deduct</i>	-0.06	
			<i>For Broken Line On One Side, Deduct</i>	-0.06	
			<i>For Double Broken Line, Deduct</i>	-0.13	
32 17 23 13-0042	LF		CALTRANS Detail 22 No Passing Zones-Two Direction Lanelines, Painted Reflective Pavement Striping.....	0.84	
			<i>For Up To 5,000 LF, Add</i>	0.17	
			<i>For &gt;25,000 LF, Deduct</i>	-0.13	
32 17 23 13-0043	LF		CALTRANS Detail 23 No Passing Zones-Two Direction Lanelines.....	2.28	
			<i>For Up To 5,000 LF, Add</i>	0.46	
			<i>For &gt;25,000 LF, Deduct</i>	-0.34	
32 17 23 13-0044	LF		CALTRANS Detail 24 Left Edgelines, Painted Reflective Pavement Striping.....	0.31	
			<i>For Up To 5,000 LF, Add</i>	0.06	
			<i>For &gt;25,000 LF, Deduct</i>	-0.05	
32 17 23 13-0045	LF		CALTRANS Detail 25 Left Edgelines, Painted Reflective Pavement Striping.....	0.43	
			<i>For Up To 5,000 LF, Add</i>	0.09	
			<i>For &gt;25,000 LF, Deduct</i>	-0.06	
32 17 23 13-0046	LF		CALTRANS Detail 25A Left Edgelines, Painted Reflective Pavement Striping .....	0.54	
			<i>For Up To 5,000 LF, Add</i>	0.11	
			<i>For &gt;25,000 LF, Deduct</i>	-0.08	
32 17 23 13-0047	LF		CALTRANS Detail 26 Left Edgelines.....	0.11	
			<i>For Up To 5,000 LF, Add</i>	0.02	
			<i>For &gt;25,000 LF, Deduct</i>	-0.02	
32 17 23 13-0048	LF		CALTRANS Detail 27 Left Edgelines, Painted Reflective Pavement Striping.....	0.51	
			<i>For Up To 5,000 LF, Add</i>	0.10	
			<i>For &gt;25,000 LF, Deduct</i>	-0.08	
32 17 23 13-0049	LF		CALTRANS Detail 27B Right Edgelines, Painted Reflective Pavement Striping.....	0.31	
			<i>For Up To 5,000 LF, Add</i>	0.06	
			<i>For &gt;25,000 LF, Deduct</i>	-0.05	
32 17 23 13-0050	LF		CALTRANS Detail 27C Right Edgeline Extension Through Intersections, Painted Reflective Pavement Striping .....	0.25	
			<i>For Up To 5,000 LF, Add</i>	0.05	
			<i>For &gt;25,000 LF, Deduct</i>	-0.04	
32 17 23 13-0051	LF		CALTRANS Detail 28 Median Islands, Painted Reflective Pavement Striping .....	0.80	
			<i>For Up To 5,000 LF, Add</i>	0.16	
			<i>For &gt;25,000 LF, Deduct</i>	-0.12	
			<i>For Broken Line On One Side, Deduct</i>	-0.13	
			<i>For Double Broken Line, Deduct</i>	-0.26	
32 17 23 13-0052	LF		CALTRANS Detail 29 Median Islands, Painted Reflective Pavement Striping .....	1.23	
			<i>For Up To 5,000 LF, Add</i>	0.25	
			<i>For &gt;25,000 LF, Deduct</i>	-0.18	
32 17 23 13-0053	LF		CALTRANS Detail 30 Median Islands .....	4.56	
			<i>For Up To 5,000 LF, Add</i>	0.91	
			<i>For &gt;25,000 LF, Deduct</i>	-0.68	
32 17 23 13-0054	LF		CALTRANS Detail 31 Two-Way Left Turn Lanes, Painted Reflective Pavement Striping .....	0.67	
			<i>For Up To 5,000 LF, Add</i>	0.13	
			<i>For &gt;25,000 LF, Deduct</i>	-0.10	
			<i>For Broken Line On One Side, Deduct</i>	-0.08	
			<i>For Double Broken Line, Deduct</i>	-0.16	
32 17 23 13-0055	LF		CALTRANS Detail 32 Two-Way Left Turn Lanes, Painted Reflective Pavement Striping .....	1.22	
			<i>For Up To 5,000 LF, Add</i>	0.24	
			<i>For &gt;25,000 LF, Deduct</i>	-0.18	
32 17 23 13-0056	LF		CALTRANS Detail 33 Two-Way Left Turn Lanes .....	3.13	
			<i>For Up To 5,000 LF, Add</i>	0.63	
			<i>For &gt;25,000 LF, Deduct</i>	-0.47	

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

32 17 23 13-0057	LF	CALTRANS Detail 34 Intersection Treatments, Painted Reflective Pavement Striping .....	0.67	
		For Up To 5,000 LF, Add	0.13	
		For >25,000 LF, Deduct	-0.10	
32 17 23 13-0058	LF	CALTRANS Detail 34A Intersection Treatments, Painted Reflective Pavement Striping .....	0.34	
		For Up To 5,000 LF, Add	0.07	
		For >25,000 LF, Deduct	-0.05	
32 17 23 13-0059	LF	CALTRANS Detail 35 Intersection Treatments, Painted Reflective Pavement Striping .....	0.79	
		For Up To 5,000 LF, Add	0.16	
		For >25,000 LF, Deduct	-0.12	
32 17 23 13-0060	LF	CALTRANS Detail 35A Intersection Treatments, Painted Reflective Pavement Striping .....	0.34	
		For Up To 5,000 LF, Add	0.07	
		For >25,000 LF, Deduct	-0.05	
32 17 23 13-0061	LF	CALTRANS Detail 36 Exit Ramp Neutral Area (Gore) Treatment, Painted Reflective Pavement Striping .....	1.44	
		For Up To 5,000 LF, Add	0.29	
		For >25,000 LF, Deduct	-0.22	
32 17 23 13-0062	LF	CALTRANS Detail 36A Entrance Ramp Neutral Area (Merge) Treatment, Painted Reflective Pavement Striping .....	0.96	
		For Up To 5,000 LF, Add	0.19	
		For >25,000 LF, Deduct	-0.14	
32 17 23 13-0063	LF	CALTRANS Detail 36B Entrance Ramp Neutral Area (Acceleration Lane) Treatment, Painted Reflective Pavement Striping .....	1.03	
		For Up To 5,000 LF, Add	0.21	
		For >25,000 LF, Deduct	-0.15	
32 17 23 13-0064	LF	CALTRANS Detail 37 Lane Drop At Exit Ramps, Painted Reflective Pavement Striping .....	0.88	
		For Up To 5,000 LF, Add	0.18	
		For >25,000 LF, Deduct	-0.13	
32 17 23 13-0065	LF	CALTRANS Detail 37A Lane Drop At Exit Ramps .....	1.53	
		For Up To 5,000 LF, Add	0.31	
		For >25,000 LF, Deduct	-0.23	
32 17 23 13-0066	LF	CALTRANS Detail 37B Lane Drop At Intersections, Painted Reflective Pavement Striping .....	0.88	
		For Up To 5,000 LF, Add	0.18	
		For >25,000 LF, Deduct	-0.13	
32 17 23 13-0067	LF	CALTRANS Detail 37C Lane Drop At Intersections .....	1.53	
		For Up To 5,000 LF, Add	0.31	
		For >25,000 LF, Deduct	-0.23	
32 17 23 13-0068	LF	CALTRANS Detail 38 Channelizing Line, Painted Reflective Pavement Striping .....	0.87	
		For Up To 5,000 LF, Add	0.17	
		For >25,000 LF, Deduct	-0.13	
32 17 23 13-0069	LF	CALTRANS Detail 38A Channelizing Line, Painted Reflective Pavement Striping .....	0.64	
		For Up To 5,000 LF, Add	0.13	
		For >25,000 LF, Deduct	-0.10	
32 17 23 13-0070	LF	CALTRANS Detail 38B Channelizing Line, Painted Reflective Pavement Striping .....	1.09	
		For Up To 5,000 LF, Add	0.22	
		For >25,000 LF, Deduct	-0.16	
32 17 23 13-0071	LF	CALTRANS Detail 38C Channelizing Line .....	2.28	
		For Up To 5,000 LF, Add	0.46	
		For >25,000 LF, Deduct	-0.34	
32 17 23 13-0072	LF	CALTRANS Detail 39 Bike Lane Line, Painted Reflective Pavement Striping .....	0.39	
		For Up To 5,000 LF, Add	0.08	
		For >25,000 LF, Deduct	-0.06	
32 17 23 13-0073	LF	CALTRANS Detail 39A Intersection Line Bike Lane, Painted Reflective Pavement Striping .....	0.32	
		For Up To 5,000 LF, Add	0.06	
		For >25,000 LF, Deduct	-0.05	
32 17 23 13-0074	LF	CALTRANS Detail 40 Lane Line Extensions Through Intersections, Painted Reflective Pavement Striping .....	0.24	
		For Up To 5,000 LF, Add	0.05	
		For >25,000 LF, Deduct	-0.04	
32 17 23 13-0075	LF	CALTRANS Detail 40A Lane Line Extensions Through Intersections .....	1.10	
		For Up To 5,000 LF, Add	0.22	
		For >25,000 LF, Deduct	-0.17	
32 17 23 13-0076	LF	CALTRANS Detail 41 Center Line Extensions Through Intersections, Painted Reflective Pavement Striping .....	0.24	
		For Up To 5,000 LF, Add	0.05	
		For >25,000 LF, Deduct	-0.04	
32 17 23 13-0077	LF	CALTRANS Detail 41A Center Line Extensions Through Intersections .....	1.10	
		For Up To 5,000 LF, Add	0.22	
		For >25,000 LF, Deduct	-0.17	
32 17 23 13-0078	EA	CALTRANS 10' Arrow, Type I, Painted Reflective Pavement Marking .....	108.25	
		For <10, Add	14.29	
		For >50 To 100, Deduct	-7.15	
		For >100 To 200, Deduct	-9.53	
		For >200, Deduct	-19.06	
32 17 23 13-0079	EA	CALTRANS 18' Arrow, Type I, Painted Reflective Pavement Marking .....	189.90	
		For <10, Add	25.01	
		For >50 To 100, Deduct	-12.51	
		For >100 To 200, Deduct	-16.68	
		For >200, Deduct	-33.35	
32 17 23 13-0080	EA	CALTRANS 24' Arrow, Type I, Painted Reflective Pavement Marking .....	238.34	
		For <10, Add	31.44	
		For >50 To 100, Deduct	-15.72	
		For >100 To 200, Deduct	-20.96	
		For >200, Deduct	-41.93	
32 17 23 13-0081	EA	CALTRANS 24' Arrow With Single (L or R) Turn Arrow, Type II, Painted Reflective Pavement Marking .....	346.59	
		For <10, Add	45.74	
		For >50 To 100, Deduct	-22.87	
		For >100 To 200, Deduct	-30.49	
		For >200, Deduct	-60.98	
32 17 23 13-0082	EA	CALTRANS 24' Arrow With Both (L and R) Turn Arrows, Type II, Painted Reflective Pavement Marking .....	454.85	
		For <10, Add	60.03	
		For >50 To 100, Deduct	-30.02	
		For >100 To 200, Deduct	-40.02	
		For >200, Deduct	-80.04	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0083	EA		CALTRANS 24' Arrow Single (L or R) Turn Arrow, Type III, Painted Reflective Pavement Marking.....	319.99	
			<i>For &lt;10, Add</i>	42.16	
			<i>For &gt;50 To 100, Deduct</i>	-21.08	
			<i>For &gt;100 To 200, Deduct</i>	-28.11	
			<i>For &gt;200, Deduct</i>	-56.22	
32 17 23 13-0084	EA		CALTRANS 24' Arrow Both (L and R) Turn Arrows, Type III, Painted Reflective Pavement Marking .....	558.34	
			<i>For &lt;10, Add</i>	73.61	
			<i>For &gt;50 To 100, Deduct</i>	-36.80	
			<i>For &gt;100 To 200, Deduct</i>	-49.07	
			<i>For &gt;200, Deduct</i>	-98.15	
32 17 23 13-0085	EA		CALTRANS 8' Turn Arrow (L or R), Type IV, Painted Reflective Pavement Marking .....	113.94	
			<i>For &lt;10, Add</i>	15.01	
			<i>For &gt;50 To 100, Deduct</i>	-7.50	
			<i>For &gt;100 To 200, Deduct</i>	-10.01	
			<i>For &gt;200, Deduct</i>	-20.01	
32 17 23 13-0086	EA		CALTRANS 24' Arrow, Type V, Painted Reflective Pavement Marking.....	249.72	
			<i>For &lt;10, Add</i>	32.87	
			<i>For &gt;50 To 100, Deduct</i>	-16.44	
			<i>For &gt;100 To 200, Deduct</i>	-21.92	
			<i>For &gt;200, Deduct</i>	-43.83	
32 17 23 13-0087	EA		CALTRANS 18' Arrow, Type VI, Painted Reflective Pavement Marking.....	319.99	
			<i>For &lt;10, Add</i>	42.16	
			<i>For &gt;50 To 100, Deduct</i>	-21.08	
			<i>For &gt;100 To 200, Deduct</i>	-28.11	
			<i>For &gt;200, Deduct</i>	-56.22	
32 17 23 13-0088	EA		CALTRANS 13' Arrow With Single (L or R) Turn Arrow, Type VII, Painted Reflective Pavement Marking .....	206.24	
			<i>For &lt;10, Add</i>	27.16	
			<i>For &gt;50 To 100, Deduct</i>	-13.58	
			<i>For &gt;100 To 200, Deduct</i>	-18.11	
			<i>For &gt;200, Deduct</i>	-36.21	
32 17 23 13-0089	EA		CALTRANS 15' Arrow With Both (L and R) Turn Arrows, Type VIII, Painted Reflective Pavement Marking .....	271.56	
			<i>For &lt;10, Add</i>	35.73	
			<i>For &gt;50 To 100, Deduct</i>	-17.87	
			<i>For &gt;100 To 200, Deduct</i>	-23.82	
			<i>For &gt;200, Deduct</i>	-47.64	
32 17 23 13-0090	EA		CALTRANS 5' Arrow, Bike Lane, Painted Reflective Pavement Marking .....	54.13	
			<i>For &lt;10, Add</i>	7.15	
			<i>For &gt;50 To 100, Deduct</i>	-3.57	
			<i>For &gt;100 To 200, Deduct</i>	-4.77	
			<i>For &gt;200, Deduct</i>	-9.53	
32 17 23 13-0091	EA		CALTRANS Railroad Crossing Symbol, Painted Reflective Pavement Marking.....	517.45	
			Note: Excludes variable width transverse lines.		
			<i>For &lt;10, Add</i>	67.89	
			<i>For &gt;50 To 100, Deduct</i>	-33.95	
			<i>For &gt;100 To 200, Deduct</i>	-45.26	
			<i>For &gt;200, Deduct</i>	-90.52	
32 17 23 13-0092	SF		CALTRANS Solid Area, Painted Reflective Pavement Marking.....	6.75	
32 17 23 13-0093	EA		CALTRANS Bike Lane Symbol Without Person, Painted Reflective Pavement Marking.....	49.54	
			Note: Approximate overall dimensions: 4' width x 8' height.		
			<i>For &lt;10, Add</i>	5.15	
			<i>For &gt;50 To 100, Deduct</i>	-2.57	
			<i>For &gt;100 To 200, Deduct</i>	-3.43	
			<i>For &gt;200, Deduct</i>	-6.86	
32 17 23 13-0094	EA		CALTRANS Bike Lane Symbol With Person, Painted Reflective Pavement Marking.....	52.46	
			Note: Approximate overall dimensions: 4' width x 8' height.		
			<i>For &lt;10, Add</i>	5.43	
			<i>For &gt;50 To 100, Deduct</i>	-2.72	
			<i>For &gt;100 To 200, Deduct</i>	-3.62	
			<i>For &gt;200, Deduct</i>	-7.24	
32 17 23 13-0095	EA		CALTRANS Diamond Symbol, Painted Reflective Pavement Marking.....	86.42	
			<i>For &lt;10, Add</i>	11.43	
			<i>For &gt;50 To 100, Deduct</i>	-5.72	
			<i>For &gt;100 To 200, Deduct</i>	-7.62	
			<i>For &gt;200, Deduct</i>	-15.25	
32 17 23 13-0096	EA		CALTRANS International Symbol Of Accessibility (ISA) Marking, Painted Reflective Pavement Marking .....	175.66	
			<i>For &lt;10, Add</i>	23.15	
			<i>For &gt;50 To 100, Deduct</i>	-11.58	
			<i>For &gt;100 To 200, Deduct</i>	-15.44	
			<i>For &gt;200, Deduct</i>	-30.87	
32 17 23 13-0097	EA		CALTRANS Bike Loop Detector Symbol, Painted Reflective Pavement Marking.....	37.99	
			Note: Approximate overall dimensions: 4' width x 8' height.		
			<i>For &lt;10, Add</i>	5.43	
			<i>For &gt;50 To 100, Deduct</i>	-2.72	
			<i>For &gt;100 To 200, Deduct</i>	-3.62	
			<i>For &gt;200, Deduct</i>	-7.24	
32 17 23 13-0098	SF		CALTRANS Letter/Number, Painted Reflective Pavement Marking .....	6.84	
32 17 23 13-0099	SF		CALTRANS Symbols, Painted Reflective Pavement Marking .....	7.60	
			Note: Handicap, railroad, diamond, arrows, etc.		
32 17 23 13-0100	<b>Epoxy Reflective Pavement Marking</b> <small>(32 17 23 13-0001)</small>				
			Note: 15 mil thickness.		
32 17 23 13-0101	LF		Single 4" Wide Solid Line, Epoxy Reflective Pavement Striping .....	0.52	
			<i>For 20 Mil Thickness, Add</i>	0.11	
			<i>For Up To 5,000 LF, Add</i>	0.10	
			<i>For &gt;25,000 LF, Deduct</i>	-0.08	
			<i>For Broken Line, Deduct</i>	-0.22	

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

32 17 23 13-0102	LF	Single 6" Wide Solid Line, Epoxy Reflective Pavement Striping.....	0.72
		<i>For 20 Mil Thickness, Add</i>	0.16
		<i>For Up To 5,000 LF, Add</i>	0.14
		<i>For &gt;25,000 LF, Deduct</i>	-0.11
		<i>For Broken Line, Deduct</i>	-0.33
32 17 23 13-0103	LF	Single 8" Wide Solid Line, Epoxy Reflective Pavement Striping.....	0.88
		<i>For 20 Mil Thickness, Add</i>	0.19
		<i>For Up To 5,000 LF, Add</i>	0.18
		<i>For &gt;25,000 LF, Deduct</i>	-0.13
		<i>For Broken Line, Deduct</i>	-0.39
32 17 23 13-0104	LF	Single 12" Wide Solid Line, Epoxy Reflective Pavement Striping.....	1.31
		<i>For 20 Mil Thickness, Add</i>	0.31
		<i>For Up To 5,000 LF, Add</i>	0.26
		<i>For &gt;25,000 LF, Deduct</i>	-0.20
		<i>For Broken Line, Deduct</i>	-0.64
32 17 23 13-0105	LF	Double 4" Wide Solid Lines, Epoxy Reflective Pavement Striping.....	0.80
		<i>For 20 Mil Thickness, Add</i>	0.20
		<i>For Up To 5,000 LF, Add</i>	0.16
		<i>For &gt;25,000 LF, Deduct</i>	-0.12
		<i>For Broken Line On One Side, Deduct</i>	-0.21
		<i>For Double Broken Line, Deduct</i>	-0.43
32 17 23 13-0106	LF	Double 6" Wide Solid Lines, Epoxy Reflective Pavement Striping.....	1.14
		<i>For 20 Mil Thickness, Add</i>	0.30
		<i>For Up To 5,000 LF, Add</i>	0.23
		<i>For &gt;25,000 LF, Deduct</i>	-0.17
		<i>For Broken Line On One Side, Deduct</i>	-0.32
		<i>For Double Broken Line, Deduct</i>	-0.65
32 17 23 13-0107	SF	Solid Area, Epoxy Reflective Pavement Marking.....	7.24
		Note: Use this task for: lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.	
		<i>For 20 Mil Thickness, Add</i>	0.80
32 17 23 13-0108	EA	6" High, Letter/Number, Epoxy Reflective Pavement Marking.....	4.52
		<i>For 20 Mil Thickness, Add</i>	0.40
		<i>For &lt;10, Add</i>	0.59
		<i>For &gt;50 To 100, Deduct</i>	-0.29
		<i>For &gt;100 To 200, Deduct</i>	-0.39
		<i>For &gt;200, Deduct</i>	-0.78
32 17 23 13-0109	EA	12" High, Letter/Number, Epoxy Reflective Pavement Marking.....	8.12
		<i>For 20 Mil Thickness, Add</i>	1.03
		<i>For &lt;10, Add</i>	0.89
		<i>For &gt;50 To 100, Deduct</i>	-0.44
		<i>For &gt;100 To 200, Deduct</i>	-0.59
		<i>For &gt;200, Deduct</i>	-1.18
32 17 23 13-0110	EA	24" High, Letter/Number, Epoxy Reflective Pavement Marking.....	13.68
		<i>For 20 Mil Thickness, Add</i>	1.78
		<i>For &lt;10, Add</i>	1.47
		<i>For &gt;50 To 100, Deduct</i>	-0.74
		<i>For &gt;100 To 200, Deduct</i>	-0.98
		<i>For &gt;200, Deduct</i>	-1.96
32 17 23 13-0111	EA	36" High, Letter/Number, Epoxy Reflective Pavement Marking.....	26.41
		<i>For 20 Mil Thickness, Add</i>	3.24
		<i>For &lt;10, Add</i>	2.94
		<i>For &gt;50 To 100, Deduct</i>	-1.47
		<i>For &gt;100 To 200, Deduct</i>	-1.96
		<i>For &gt;200, Deduct</i>	-3.92
32 17 23 13-0112	EA	48" High, Letter/Number, Epoxy Reflective Pavement Marking.....	30.85
		<i>For 20 Mil Thickness, Add</i>	4.04
		<i>For &lt;10, Add</i>	3.30
		<i>For &gt;50 To 100, Deduct</i>	-1.65
		<i>For &gt;100 To 200, Deduct</i>	-2.20
		<i>For &gt;200, Deduct</i>	-4.40
32 17 23 13-0113	EA	72" High, Letter/Number, Epoxy Reflective Pavement Marking.....	55.31
		<i>For 20 Mil Thickness, Add</i>	7.34
		<i>For &lt;10, Add</i>	5.88
		<i>For &gt;50 To 100, Deduct</i>	-2.94
		<i>For &gt;100 To 200, Deduct</i>	-3.92
		<i>For &gt;200, Deduct</i>	-7.83
32 17 23 13-0114	EA	96" High, Letter/Number, Epoxy Reflective Pavement Marking.....	73.83
		<i>For 20 Mil Thickness, Add</i>	9.71
		<i>For &lt;10, Add</i>	7.89
		<i>For &gt;50 To 100, Deduct</i>	-3.95
		<i>For &gt;100 To 200, Deduct</i>	-5.26
		<i>For &gt;200, Deduct</i>	-10.52
32 17 23 13-0115	EA	120" High, Letter/Number, Epoxy Reflective Pavement Marking.....	112.56
		<i>For 20 Mil Thickness, Add</i>	19.05
		<i>For &lt;10, Add</i>	9.78
		<i>For &gt;50 To 100, Deduct</i>	-4.89
		<i>For &gt;100 To 200, Deduct</i>	-6.52
		<i>For &gt;200, Deduct</i>	-13.03
32 17 23 13-0116	SF	Letter/Number, Epoxy Reflective Pavement Marking.....	7.44
		<i>For 20 Mil Thickness, Add</i>	0.81
32 17 23 13-0117	SF	Symbols, Epoxy Reflective Pavement Marking.....	9.44
		Note: Handicap, railroad, diamond, arrows, etc.	
		<i>For 20 Mil Thickness, Add</i>	0.91

32 17 23 13-0118 Painted Pavement Striping, Letters And Symbols For Parking Areas (32 17 23 13)  
 Note: Includes primers. Per Coat.

32 17 23 13-0119 Painted Pavement Marking For Parking Areas (32 17 23 13-0118)  
 Note: 15 mil thickness.

32 17 23 13-0120 LF Single 4" Wide Solid Line, Painted Pavement Striping For Parking Areas..... 1.16

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
32 17 23 13-0121	LF	Single 6" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	1.26	
32 17 23 13-0122	LF	Single 8" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	1.34	
32 17 23 13-0123	LF	Single 12" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	1.50	
32 17 23 13-0124	SF	Solid Area, Painted Pavement Marking For Parking Areas .....	5.89	
Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.				
32 17 23 13-0125	EA	6" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	4.15	
		For Up To 10, Add	0.57	
		For >50 To 100, Deduct	-0.29	
		For >100 To 200, Deduct	-0.38	
		For >200, Deduct	-0.76	
32 17 23 13-0126	EA	12" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	6.94	
		For Up To 10, Add	0.86	
		For >50 To 100, Deduct	-0.43	
		For >100 To 200, Deduct	-0.57	
		For >200, Deduct	-1.14	
32 17 23 13-0127	EA	24" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	11.69	
		For Up To 10, Add	1.43	
		For >50 To 100, Deduct	-0.71	
		For >100 To 200, Deduct	-0.95	
		For >200, Deduct	-1.91	
32 17 23 13-0128	EA	36" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	21.90	
		For Up To 10, Add	2.72	
		For >50 To 100, Deduct	-1.36	
		For >100 To 200, Deduct	-1.81	
		For >200, Deduct	-3.62	
32 17 23 13-0129	EA	42" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	29.14	
		For Up To 10, Add	3.72	
		For >50 To 100, Deduct	-1.86	
		For >100 To 200, Deduct	-2.48	
		For >200, Deduct	-4.95	
32 17 23 13-0130	EA	48" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas .....	35.43	
		For Up To 10, Add	4.58	
		For >50 To 100, Deduct	-2.29	
		For >100 To 200, Deduct	-3.05	
		For >200, Deduct	-6.10	
32 17 23 13-0131	EA	72" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas .....	47.12	
		For Up To 10, Add	5.72	
		For >50 To 100, Deduct	-2.86	
		For >100 To 200, Deduct	-3.81	
		For >200, Deduct	-7.62	
32 17 23 13-0132	EA	Through Lane Arrow, Painted Pavement Marking For Parking Areas .....	82.49	
Note: Approximate overall dimensions: 3-1/2' width x 10' height.				
32 17 23 13-0133	EA	Turn Lane Arrow, Painted Pavement Marking For Parking Areas .....	93.59	
Note: Approximate overall dimensions: 6' width x 8' height.				
32 17 23 13-0134	EA	Dual Turn Lane Arrow, Painted Pavement Marking For Parking Areas .....	131.38	
Note: Approximate overall dimensions: 11' width x 8' height.				
32 17 23 13-0135	EA	Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas.....	133.94	
Note: Approximate overall dimensions: 7' width x 13' height.				
32 17 23 13-0136	EA	Dual Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas .....	173.42	
Note: Approximate overall dimensions: 9' width x 15' height.				
32 17 23 13-0137	EA	Handicap Symbol For Standard Parking Stalls, Painted Pavement Marking For Parking Areas .....	34.28	
Note: Approximate overall dimensions: 2-2/3' width x 3' height. White or blue symbol. Excludes striping.				
		For Blue Background With White Symbol, Add	24.50	
		For Blue Background With White Symbol And Border, Add	30.62	
32 17 23 13-0138	EA	Handicap Symbol For Van Parking Stalls, Painted Pavement Marking For Parking Areas .....	49.28	
Note: Approximate overall dimensions: 4-1/3' width x 5' height. White or blue symbol. Excludes striping.				
		For Blue Background With White Symbol, Add	49.15	
		For Blue Background With White Symbol And Border, Add	61.44	
<b>32 17 23 13-0139</b>		<b>Painted Curbs</b> (32 17 23 13)		
Note: All colors.				
32 17 23 13-0140	LF	Reflective Painted Curb .....	3.24	
32 17 23 13-0141	LF	Reflective Painted Curb And Gutter .....	6.16	
32 17 23 13-0142	LF	Painted Curb.....	2.62	
32 17 23 13-0143	LF	Painted Curb And Gutter .....	5.61	
<b>32 17 23 13-0144</b>		<b>Markings For Outdoor Play Areas, Courts</b> (32 17 23 13)		
32 17 23 13-0145	LF	2" Wide Marking For Outdoor Play Areas.....	0.89	
32 17 23 13-0146	LF	3" Wide Marking For Outdoor Play Areas .....	1.00	
32 17 23 13-0147	LF	4" Wide Marking For Outdoor Play Areas.....	1.12	
32 17 23 13-0148	LF	6" Wide Marking For Outdoor Play Areas.....	1.32	
32 17 23 13-0149	EA	Paint Playground Game Lines And Background On Asphalt Or Concrete (Hop Scotch, 4 Square, Numbers Games, Etcetera) .....	267.72	
<b>32 17 23 23</b>		<b>Raised Pavement Markings</b> (32 17 23)		
<b>32 17 23 23-0001</b>		<b>Raised Pavement Markers (RPMs)</b> (32 17 23 23)		
32 17 23 23-0002	EA	One-Way Reflective, Raised Pavement Marker (RPM) .....	5.07	2.41
Note: Type G, H or R				
		For >100, Deduct	-0.51	
32 17 23 23-0003	EA	Two-Way Reflective, Raised Pavement Marker (RPM) .....	5.35	2.41
Note: Type B, C, D, AC, RA or RR				
		For >100, Deduct	-0.54	
32 17 23 23-0004	EA	4" Diameter, Round Reflective, Raised Pavement Marker (RPM) .....	6.35	2.41
		For >100, Deduct	-0.64	

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**
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32 17 23 23-0005	EA	4" Diameter, Non-Reflective, Raised Pavement Marker (RPM) ..... Note: Type A or AY For >100, Deduct	4.71  -0.47	2.41
<b>32 17 23 23-0006</b>		<b>Snowplowable Pavement Markers</b> (32 17 23 23)		
32 17 23 23-0007	EA	One-Way Reflective, Snowplowable Pavement Marker With Center Rail ..... Note: Type G, H or R	66.00	29.19
32 17 23 23-0008	EA	Two-Way Reflective, Snowplowable Pavement Marker With Center Rail ..... Note: Type B, C, D, AC, RA or RR	66.25	29.19
32 17 23 23-0009	EA	Removal And Replacement Of Reflector For One-Way Reflective, Recessed (Plowable) Pavement Marker .....	18.14	
32 17 23 23-0010	EA	Removal And Replacement Of Reflectors For Two-Way Reflective, Recessed (Plowable) Pavement Marker .....	23.26	
<b>32 17 23 33</b>		<b>Plastic Pavement Markings</b> (32 17 23)		
<b>32 17 23 33-0001</b>		<b>Thermoplastic Pavement Striping, Letters, Symbols And Markers For Roads</b> (32 17 23 33) Note: Includes primers, adhesive and glass beads where required. For broken line modifier quantity use total lane length.		
<b>32 17 23 33-0002</b>		<b>Thermoplastic Reflective Pavement Marking</b> (32 17 23 33-0001) Note: 90 mil thickness.		
32 17 23 33-0003	LF	Single 4" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping ..... For Up To 5,000 LF, Add For >25,000 LF, Deduct For 60 mils Thick, Deduct For 125 mils Thick, Add For Broken Line, Deduct	1.33 0.27 -0.20 -0.18 0.23 -0.77	
32 17 23 33-0004	LF	Single 6" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping ..... Note: Includes yellow or white. For Up To 5,000 LF, Add For >25,000 LF, Deduct For 60 mils Thick, Deduct For 125 mils Thick, Add For Broken Line, Deduct	1.90 0.38 -0.29 -0.27 0.34 -1.15	
32 17 23 33-0005	LF	Single 8" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping ..... Note: Includes yellow or white. For Up To 5,000 LF, Add For >25,000 LF, Deduct For 60 mils Thick, Deduct For 125 mils Thick, Add For Broken Line, Deduct	2.52 0.50 -0.38 -0.36 0.46 -1.53	
32 17 23 33-0006	LF	Single 12" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping ..... Note: Includes yellow or white. For Up To 5,000 LF, Add For >25,000 LF, Deduct For 60 mils Thick, Deduct For 125 mils Thick, Add For Broken Line, Deduct	3.67 0.73 -0.55 -0.54 0.69 -2.30	
32 17 23 33-0007	LF	Double 4" Wide Solid Lines, 90 Mil Thick, Thermoplastic Reflective Pavement Striping ..... Note: Includes yellow or white. For Up To 5,000 LF, Add For >25,000 LF, Deduct For 60 mils Thick, Deduct For 125 mils Thick, Add For Broken Line On One Side, Deduct For Double Broken Line, Deduct	2.50 0.50 -0.38 -0.36 0.46 -0.77 -1.53	
32 17 23 33-0008	LF	Double 6" Wide Solid Lines, 90 Mil Thick, Thermoplastic Reflective Pavement Striping ..... Note: Includes yellow or white. For Up To 5,000 LF, Add For >25,000 LF, Deduct For 60 mils Thick, Deduct For 125 mils Thick, Add For Broken Line On One Side, Deduct For Double Broken Line, Deduct	3.67 0.73 -0.55 -0.54 0.69 -1.15 -2.30	
32 17 23 33-0009	SF	Solid Area, 90 Mil Thick, Thermoplastic Reflective Pavement Marking ..... Note: Includes yellow or white. For 60 mils Thick, Deduct For 125 mils Thick, Add	8.75 -0.53 0.68	
32 17 23 33-0010	EA	6" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking ..... For Up To 10, Add For >50 To 100, Deduct For >100 To 200, Deduct For >200, Deduct For 60 mils Thick, Deduct For 125 mils Thick, Add	5.77 0.64 -0.32 -0.43 -0.86 -0.26 0.33	
32 17 23 33-0011	EA	12" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking ..... For Up To 10, Add For >50 To 100, Deduct For >100 To 200, Deduct For >200, Deduct For 60 mils Thick, Deduct For 125 mils Thick, Add	11.84 0.97 -0.49 -0.65 -1.30 -0.94 1.21	
32 17 23 33-0012	EA	24" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking ..... For Up To 10, Add For >50 To 100, Deduct For >100 To 200, Deduct For >200, Deduct For 60 mils Thick, Deduct For 125 mils Thick, Add	20.15 1.62 -0.81 -1.08 -2.15 -1.64 2.11	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0013	EA		36" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	38.13	
			For Up To 10, Add	3.24	
			For >50 To 100, Deduct	-1.62	
			For >100 To 200, Deduct	-2.16	
			For >200, Deduct	-4.33	
			For 60 mils Thick, Deduct	-2.89	
			For 125 mils Thick, Add	3.71	
32 17 23 33-0014	EA		48" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	45.65	
			For Up To 10, Add	3.63	
			For >50 To 100, Deduct	-1.82	
			For >100 To 200, Deduct	-2.42	
			For >200, Deduct	-4.84	
			For 60 mils Thick, Deduct	-3.75	
			For 125 mils Thick, Add	4.83	
32 17 23 33-0015	EA		72" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	82.26	
			For Up To 10, Add	6.46	
			For >50 To 100, Deduct	-3.23	
			For >100 To 200, Deduct	-4.31	
			For >200, Deduct	-8.61	
			For 60 mils Thick, Deduct	-6.86	
			For 125 mils Thick, Add	8.82	
32 17 23 33-0016	EA		96" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	109.40	
			For Up To 10, Add	8.68	
			For >50 To 100, Deduct	-4.34	
			For >100 To 200, Deduct	-5.78	
			For >200, Deduct	-11.57	
			For 60 mils Thick, Deduct	-9.02	
			For 125 mils Thick, Add	11.60	
32 17 23 33-0017	EA		120" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	186.74	
			For Up To 10, Add	10.75	
			For >50 To 100, Deduct	-5.37	
			For >100 To 200, Deduct	-7.17	
			For >200, Deduct	-14.33	
			For 60 mils Thick, Deduct	-20.14	
			For 125 mils Thick, Add	25.89	
32 17 23 33-0018	SF		Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	10.19	
			For 60 mils Thick, Deduct	-0.65	
			For 125 mils Thick, Add	0.83	
32 17 23 33-0019	SY		Cross Hatch, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	30.66	
			Note: Per SY of area.		
			For 60 mils Thick, Deduct	-1.20	
			For 125 mils Thick, Add	1.54	
32 17 23 33-0020	EA		Handicap Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	267.28	
			For 60 mils Thick, Deduct	-14.94	
			For 125 mils Thick, Add	19.21	
32 17 23 33-0021	EA		Railroad Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	793.46	
			For 60 mils Thick, Deduct	-45.48	
			For 125 mils Thick, Add	58.47	
32 17 23 33-0022	EA		Bike Lane Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	155.68	
			Note: Approximate overall dimensions: 4' width x 8' height.		
			For 60 mils Thick, Deduct	-20.57	
			For 125 mils Thick, Add	26.45	
32 17 23 33-0023	EA		Diamond Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	127.83	
			For 60 mils Thick, Deduct	-7.15	
			For 125 mils Thick, Add	9.19	
32 17 23 33-0024	SF		Symbols, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	11.62	
			Note: Handicap, railroad, diamond, arrows, etc.		
			For 60 mils Thick, Deduct	-0.65	
			For 125 mils Thick, Add	0.83	
32 17 23 33-0025	EA		10' Arrow, Type I, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	162.69	
			For 60 mils Thick, Deduct	-9.09	
			For 125 mils Thick, Add	11.69	
32 17 23 33-0026	EA		18' Arrow, Type I, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	290.53	
			For 60 mils Thick, Deduct	-16.24	
			For 125 mils Thick, Add	20.88	
32 17 23 33-0027	EA		24' Arrow, Type I, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	360.26	
			For 60 mils Thick, Deduct	-20.14	
			For 125 mils Thick, Add	25.89	
32 17 23 33-0028	EA		24' Arrow With Single (L or R) Turn Arrow, Type II, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	522.94	
			For 60 mils Thick, Deduct	-29.23	
			For 125 mils Thick, Add	37.59	
32 17 23 33-0029	EA		24' Arrow With Both (L and R) Turn Arrows, Type II, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	685.64	
			For 60 mils Thick, Deduct	-38.33	
			For 125 mils Thick, Add	49.28	
32 17 23 33-0030	EA		24' Arrow Single (L or R) Turn Arrow, Type III, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	488.07	
			For 60 mils Thick, Deduct	-27.28	
			For 125 mils Thick, Add	35.08	
32 17 23 33-0031	EA		24' Arrow Both (L and R) Turn Arrows, Type III, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	848.34	
			For 60 mils Thick, Deduct	-47.43	
			For 125 mils Thick, Add	60.98	
32 17 23 33-0032	EA		8' Turn Arrow (L or R), Type IV, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	174.31	
			For 60 mils Thick, Deduct	-9.74	
			For 125 mils Thick, Add	12.53	
32 17 23 33-0033	EA		24' Arrow, Type V, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	383.49	
			For 60 mils Thick, Deduct	-21.44	
			For 125 mils Thick, Add	27.56	
32 17 23 33-0034	EA		18' Arrow, Type VI, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	488.07	
			For 60 mils Thick, Deduct	-27.28	
			For 125 mils Thick, Add	35.08	

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**
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32 17 23 33-0035	EA	13' Arrow With Single (L or R) Turn Arrow, Type VII, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	313.77	
		<i>For 60 mils Thick, Deduct</i>	-17.54	
		<i>For 125 mils Thick, Add</i>	22.55	
32 17 23 33-0036	EA	15' Arrow With Both (L and R) Turn Arrows, Type VIII, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	418.36	
		<i>For 60 mils Thick, Deduct</i>	-23.39	
		<i>For 125 mils Thick, Add</i>	30.07	
32 17 23 33-0037	EA	5' Arrow, Bike Lane, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	81.35	
		<i>For 60 mils Thick, Deduct</i>	-4.55	
		<i>For 125 mils Thick, Add</i>	5.85	
<b>32 17 23 33-0038</b>		<b>Thermoplastic Reflective Pavement Striping By Hand For Repairs</b> <small>(32 17 23 33-0001)</small>		
32 17 23 33-0039	LF	Single 4" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs .....	3.03	
		<i>For 60 mils Thick, Deduct</i>	-0.18	
		<i>For 125 mils Thick, Add</i>	0.23	
32 17 23 33-0040	LF	Single 6" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs .....	3.83	
		<i>For 60 mils Thick, Deduct</i>	-0.27	
		<i>For 125 mils Thick, Add</i>	0.34	
32 17 23 33-0041	LF	Single 8" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs .....	4.71	
		<i>For 60 mils Thick, Deduct</i>	-0.36	
		<i>For 125 mils Thick, Add</i>	0.46	
32 17 23 33-0042	LF	Single 12" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs .....	6.77	
		<i>For 60 mils Thick, Deduct</i>	-0.54	
		<i>For 125 mils Thick, Add</i>	0.69	
32 17 23 33-0043	LF	Single 24" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs .....	12.13	
		<i>For 60 mils Thick, Deduct</i>	-1.07	
		<i>For 125 mils Thick, Add</i>	1.37	
<b>32 17 23 33-0044</b>		<b>Preformed, Patterned Reflective Pavement Marking Tape</b> <small>(32 17 23 33-0001)</small>		
		Note: Applied with pressure sensitive adhesive. Includes adhesive. 60 mil thickness. (3M Stamark 380 Series).		
32 17 23 33-0045	LF	Single 4" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping .....	2.82	
		Note: Includes yellow or white.		
		<i>For Up To 5,000 LF, Add</i>	0.56	
		<i>For &gt;25,000 LF, Deduct</i>	-0.42	
32 17 23 33-0046	LF	Single 6" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping .....	4.16	
		Note: Includes yellow or white.		
		<i>For Up To 5,000 LF, Add</i>	0.83	
		<i>For &gt;25,000 LF, Deduct</i>	-0.62	
32 17 23 33-0047	LF	Single 8" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping .....	5.53	
		Note: Includes yellow or white.		
		<i>For Up To 5,000 LF, Add</i>	1.11	
		<i>For &gt;25,000 LF, Deduct</i>	-0.83	
32 17 23 33-0048	LF	Single 12" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping .....	8.19	
		Note: Includes yellow or white.		
		<i>For Up To 5,000 LF, Add</i>	1.64	
		<i>For &gt;25,000 LF, Deduct</i>	-1.23	
32 17 23 33-0049	SF	Solid Area, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Marking Tape .....	23.10	
		Note: Includes yellow or white.		
32 17 23 33-0050	EA	6" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....	34.26	
		<i>For &lt;10, Add</i>	1.17	
		<i>For &gt;50 To 100, Deduct</i>	-0.59	
		<i>For &gt;100 To 200, Deduct</i>	-0.78	
		<i>For &gt;200, Deduct</i>	-1.56	
32 17 23 33-0051	EA	12" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....	60.25	
		<i>For &lt;10, Add</i>	1.49	
		<i>For &gt;50 To 100, Deduct</i>	-0.74	
		<i>For &gt;100 To 200, Deduct</i>	-0.99	
		<i>For &gt;200, Deduct</i>	-1.98	
32 17 23 33-0052	EA	24" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....	103.66	
		<i>For &lt;10, Add</i>	2.94	
		<i>For &gt;50 To 100, Deduct</i>	-1.47	
		<i>For &gt;100 To 200, Deduct</i>	-1.96	
		<i>For &gt;200, Deduct</i>	-3.92	
32 17 23 33-0053	EA	36" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....	150.34	
		<i>For &lt;10, Add</i>	5.89	
		<i>For &gt;50 To 100, Deduct</i>	-2.94	
		<i>For &gt;100 To 200, Deduct</i>	-3.93	
		<i>For &gt;200, Deduct</i>	-7.85	
32 17 23 33-0054	EA	48" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....	176.09	
		<i>For &lt;10, Add</i>	6.60	
		<i>For &gt;50 To 100, Deduct</i>	-3.30	
		<i>For &gt;100 To 200, Deduct</i>	-4.40	
		<i>For &gt;200, Deduct</i>	-8.80	
32 17 23 33-0055	EA	72" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....	226.78	
		<i>For &lt;10, Add</i>	11.75	
		<i>For &gt;50 To 100, Deduct</i>	-5.87	
		<i>For &gt;100 To 200, Deduct</i>	-7.83	
		<i>For &gt;200, Deduct</i>	-15.67	
32 17 23 33-0056	EA	96" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....	289.47	
		<i>For &lt;10, Add</i>	15.78	
		<i>For &gt;50 To 100, Deduct</i>	-7.89	
		<i>For &gt;100 To 200, Deduct</i>	-10.52	
		<i>For &gt;200, Deduct</i>	-21.04	
32 17 23 33-0057	EA	120" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....	362.75	
		<i>For &lt;10, Add</i>	19.55	
		<i>For &gt;50 To 100, Deduct</i>	-9.78	
		<i>For &gt;100 To 200, Deduct</i>	-13.04	
		<i>For &gt;200, Deduct</i>	-26.07	
32 17 23 33-0058	SF	Preformed Arrow, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....	23.87	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 17 23 33-0059 SF Prefomed Symbol, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....25.30  
 Note: Handicap, railroad, diamond symbol, etc.

**32 17 23 33-0060 Prefomed, Thermoplastic Reflective Pavement Marking** (32 17 23 33-0001)  
 Note: Heat applied. (Flint PreMark or HotTape Series).

32 17 23 33-0061 EA Prefomed Bike Lane Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....287.11  
 Note: Approximate overall dimensions: 4' width x 8' height.

32 17 23 33-0062 EA Prefomed Railroad Crossing Symbol, 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....760.05  
 Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.

32 17 23 33-0063 EA Prefomed Preferential Lane Symbol (Diamond), 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....158.05  
 Note: Approximate overall dimensions: 3-1/4' width x 13' height.

32 17 23 33-0064 EA 6' Height, Prefomed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....136.26  
 Note: Approximate overall dimensions: 2' width x 6' height.

32 17 23 33-0065 EA 9-1/2' Height, Prefomed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....254.21  
 Note: Approximate overall dimensions: 3-1/4' width x 9-1/2' height.

32 17 23 33-0066 EA 4' Height, Prefomed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....155.83  
 Note: Approximate overall dimensions: 3' width x 4' height.

32 17 23 33-0067 EA 8' Height, Prefomed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....281.59  
 Note: Approximate overall dimensions: 6' width x 8' height.

32 17 23 33-0068 EA Prefomed Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....473.24  
 Note: Approximate overall dimensions: 7-1/4' width x 12-3/4' height.

32 17 23 33-0069 EA Prefomed Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....706.20  
 Note: Approximate overall dimensions: 11-1/4' width x 13-1/4' height.

32 17 23 33-0070 EA Prefomed Elongated Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....263.54  
 Note: Approximate overall dimensions: 1-2/3' width x 12' height.

32 17 23 33-0071 EA Prefomed Elongated Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....290.92  
 Note: Approximate overall dimensions: 3' width x 12' height.

32 17 23 33-0072 EA Prefomed Elongated Dual Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....524.69  
 Note: Approximate overall dimensions: 5-1/2' width x 12' height.

32 17 23 33-0073 EA Prefomed Elongated Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....483.72  
 Note: Approximate overall dimensions: 3-1/2' width x 20' height.

32 17 23 33-0074 EA Prefomed Elongated Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....486.58  
 Note: Approximate overall dimensions: 5-1/2' width x 20' height.

32 17 23 33-0075 EA Prefomed Lane-Reduction Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....660.90  
 Note: Approximate overall dimensions: 5-1/2' width x 18' height.

**32 17 23 33-0076 Thermoplastic Pavement Striping, Letters And Symbols For Parking Areas**

**32 17 23 33-0077 Thermoplastic Pavement Marking Symbols For Parking Areas** (32 17 23 33-0076)  
 Note: Heat applied. (Flint PreMark Series).

32 17 23 33-0078 EA 28" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas .....100.71  
 Note: White or blue symbol. Excludes striping.

32 17 23 33-0079 EA 39" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas .....361.96  
 Note: Approximate overall dimensions: 2-2/3' width x 3' height. White or blue symbol. Excludes striping.

32 17 23 33-0080 EA 40" x 40" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas .....208.28  
 Note: White symbol on blue background. Excludes striping.

32 17 23 33-0081 EA 45" x 45" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas .....249.15  
 Note: White symbol on blue background. Excludes striping.

32 17 23 33-0082 EA 48" x 48" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas .....260.95  
 Note: White symbol on blue background. Excludes striping.

**32 17 26 Tactile Warning Surfaces** (32 17)

**32 17 26 00-0001 Vitrified Polymer Composite (VPC); (Armor Tile)** (32 17 26)  
 Note: Truncated dome, raised strips or directional bars. All colors.

32 17 26 00-0002 SF Surface Applied VPC Truncated Dome Detectable Warning Surface .....64.29 10.20  
 Note: Includes adhesive, fasteners and sealant at perimeter. Also raised strips or directional bars. All colors.

32 17 26 00-0003 SF Embedded, VPC Truncated Dome Detectable Warning Surface .....51.04 10.20  
 Note: Also raised strips or directional bars. All colors.

**32 17 26 00-0004 Fiber-Reinforced, Polymermodified Cement And Coated With Acrylic Resin Emulsion (SatetyStep TD)** (32 17 26)  
 Note: Pre-molded tactile dome sheet. All colors.

32 17 26 00-0005 SF Up To 15 SF, Surface Applied Pre-Molded Tactile Warning Mat (SSTD-MAT) .....71.97 10.20  
 Note: Includes surface preparation, SSTD-589 adhesive, SSTD-100 top coat sealer and SSTD-1250 finish . All colors. 2' or 3' width.

32 17 26 00-0006 SF >15 To 36 SF, Surface Applied Pre-Molded Tactile Warning Mat (SSTD-MAT) .....62.80 10.20  
 Note: Includes surface preparation, SSTD-589 adhesive, SSTD-100 top coat sealer and SSTD-1250 finish . All colors. 2' or 3' width.

**32 30 Site Improvements** (32)

**32 31 Fences and Gates** (32 30)

**32 31 11 Gate Operators** (32 31)

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

32 31 11 00-0001		<b>Gate Operators</b> <small>(32 31 11)</small> Note: Excludes gates, electrical connections, access controls and concrete foundation.		
32 31 11 00-0002		<b>Swing Gate Actuator (DKS™ DoorKing®)</b> <small>(32 31 11 00-0001)</small>		
32 31 11 00-0003		<b>Single Gate, Swing Gate Actuator</b> <small>(32 31 11 00-0002)</small>		
32 31 11 00-0004	EA	Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6003) ..... Note: Includes one primary operator with a 10' wide gate capacity.	1,509.74	198.37
32 31 11 00-0005	EA	Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6002) ..... Note: Includes one primary operator with a 14' wide gate capacity.	1,992.04	198.37
32 31 11 00-0006		<b>Dual Gate, Swing Gate Actuator</b> <small>(32 31 11 00-0002)</small>		
32 31 11 00-0007	EA	Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6003) ..... Note: Includes one primary and one secondary operator each with a 10' wide gate capacity.	3,019.50	396.73
32 31 11 00-0008	EA	Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6002) ..... Note: Includes one primary and one secondary operator each with a 14' wide gate capacity.	3,984.10	396.73
32 31 11 00-0009		<b>Swing Gate Operators (DKS™ DoorKing®)</b> <small>(32 31 11 00-0001)</small>		
32 31 11 00-0010		<b>Single Gate, Swing Gate Operators</b> <small>(32 31 11 00-0009)</small>		
32 31 11 00-0011	EA	400 LB Capacity, Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6050) ..... Note: Includes one primary operator with a 10' wide and 400 LB gate capacity.	3,018.48	198.37
32 31 11 00-0012	EA	500 LB Capacity, Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6100) ..... Note: Includes one primary operator with a 14' wide and 500 LB gate capacity.	3,278.18	198.37
32 31 11 00-0013	EA	700 LB Capacity, Up To 18' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500) ..... Note: Includes one primary operator with an 18' wide and 700 LB gate capacity.	4,428.29	198.37
32 31 11 00-0014	EA	<i>For 208/230/460 Volt AC, Add</i> 800 LB Capacity, Up To 22' Wide Gate, 1 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500) ..... Note: Includes one primary operator with a 22' wide and 800 LB gate capacity.	322.50 5,009.53	198.37
		<i>For 208/230/460 Volt AC, Add</i>	322.50	
32 31 11 00-0015		<b>Dual Gate, Swing Gate Operators</b> <small>(32 31 11 00-0009)</small>		
32 31 11 00-0016	EA	400 LB Capacity, Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6050) ..... Note: Includes one primary and one secondary operator each with a 10' wide and 400 LB gate capacity.	5,356.81	396.73
32 31 11 00-0017	EA	500 LB Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6100) ..... Note: Includes one primary and one secondary operator each with a 14' wide and 500 LB gate capacity.	5,876.21	396.73
32 31 11 00-0018	EA	700 LB Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500) ..... Note: Includes one primary and one secondary operator each with an 18' wide and 700 LB gate capacity.	8,164.06	396.73
32 31 11 00-0019	EA	<i>For 208/230/460 Volt AC, Add</i> 800 LB Capacity, Up To 22' Wide Gates, 1 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500) ..... Note: Includes one primary and one secondary operator each with a 22' wide and 800 LB gate capacity.	322.50 9,437.84	396.73
		<i>For 208/230/460 Volt AC, Add</i>	322.50	
32 31 11 00-0020		<b>Sliding Gate Operators (DKS™ DoorKing®)</b> <small>(32 31 11 00-0001)</small> Note: Includes 20' of chain. See CSI section 32 31 11 00-0029 for additional chain over 20'.		
32 31 11 00-0021	EA	300 LB Capacity, Up To 16' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9050) ..... Note: Includes operator, chain brackets, hardware and 20' of #41 chain.	1,977.51	198.37
32 31 11 00-0022	EA	1,000 LB Capacity, Up To 30' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9100) ..... Note: Includes operator, chain brackets, hardware and 20' of #41 chain.	2,775.41	238.04
32 31 11 00-0023	EA	1,500 LB Capacity, Up To 45' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9150) ..... Note: Includes operator, chain brackets, hardware and 20' of #40 chain.	3,446.05	238.04
32 31 11 00-0024	EA	3,000 LB Capacity, Up To 100' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9210) ..... Note: Includes operator, chain brackets, hardware and 20' of #50 chain.	4,507.39	277.72
32 31 11 00-0025	EA	2,000 LB Capacity, Up To 100' Wide Gate, 1 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9220) ..... Note: Includes operator, chain brackets, hardware and 20' of #50 chain.	5,542.08	277.72
32 31 11 00-0026	EA	5,000 LB Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9230) ..... Note: Includes operator, chain brackets, hardware and 20' of #60 chain.	7,575.85	317.39
32 31 11 00-0027	EA	5,000 LB Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9530) ..... Note: Includes operator, chain brackets, hardware and 20' of #60 chain.	12,706.21	317.39
32 31 11 00-0028	EA	10,000 LB Capacity, Up To 160' Wide Gate, 5 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9550) ..... Note: Includes operator, chain brackets, hardware and 20' of #60 chain.	21,580.46	357.07
32 31 11 00-0029		<b>Accessories For Gate Actuators And Operators (DKS™ DoorKing®)</b> <small>(32 31 11 00-0001)</small>		
32 31 11 00-0030	EA	Single Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9410) .....	524.44	
32 31 11 00-0031	EA	Two Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9409) .....	1,022.89	
32 31 11 00-0032	EA	Heater Kit For Gate Actuators And Operators (DKS™ DoorKing® 1601) .....	653.37	
32 31 11 00-0033	EA	Photoelectric Eye For Gate Actuators And Operators (DKS™ DoorKing® 8080-031) .....	720.34	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 11 00-0034 EA Reversing Edge Sensor For Gate Actuators And Operators (DKS™ DoorKing® 8080-020).....	646.14	
32 31 11 00-0035 EA Post Mount Base Plate For Gate Actuators And Operators (DKS™ DoorKing® 9310) .....	466.82	
32 31 11 00-0036 LF #40 Chain For Sliding Gate Operators.....	6.28	
32 31 11 00-0037 LF #41 Chain For Sliding Gate Operators.....	6.57	
32 31 11 00-0038 LF #50 Chain For Sliding Gate Operators.....	8.43	
32 31 11 00-0039 LF #60 Chain For Sliding Gate Operators.....	13.03	
32 31 11 00-0040 EA Exterior Keypad Gate Operator (Linear AK-11) .....	613.71	135.71
<b>32 31 11 00-0041 Sliding Gate Operator (LiftMaster) (32 31 11 00-0001)</b>		
32 31 11 00-0042 EA Up To 1,500 LB Capacity, 120/230 Volt, Single Phase, Sliding Gate Operator With 24 Volt DC Motor (Liftmaster® CSL24U).....	2,583.99	238.04
Note: Includes 30' Chain, Retro-Reflective Photoelectric Sensor and Reflector Hoods (LMRRUL) and 5' Resistive Safety Edge (S505AL).		
For Monitored Wireless Edge Receiver And Transmitter Option (Liftmaster LMWEKITU), Add	174.40	
For Plug-In Loop Detector Option (Liftmaster LOOPDETLM), Add	124.84	
For LED Strobe Light With Siren (Liftmaster SL-1301-SAQ), Add	61.48	
For 10 Watt Solar Panel (Liftmaster SP10W12V), Add	247.11	
For Each Additional 10' Chain, Add	37.01	
<b>32 31 13 Chain Link Fences and Gates (32 31)</b>		
<b>32 31 13 13 Chain Link Fences and Gates (32 31 13)</b>		
<b>32 31 13 13-0001 Post Holes (32 31 13 13)</b>		
Note: Excludes spreading of excess material on site or loading and removal of excavated material from site. See CSI section 02 41 19 13-0025 for core drilling in concrete, 02 41 19 13-0163 for core drilling in asphalt.		
<b>32 31 13 13-0002 Auger By Machine Fence Post Hole In Soil (32 31 13 13-0001)</b>		
32 31 13 13-0003 VLF Up To 2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil .....	9.03	
32 31 13 13-0004 VLF 2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil .....	10.17	
32 31 13 13-0005 VLF 3" Diameter Hole, Auger By Machine Fence Post Hole In Soil .....	12.05	
32 31 13 13-0006 VLF 4" Diameter Hole, Auger By Machine Fence Post Hole In Soil .....	13.55	
32 31 13 13-0007 VLF 6" Diameter Hole, Auger By Machine Fence Post Hole In Soil .....	14.78	
32 31 13 13-0008 VLF 8" Diameter Hole, Auger By Machine Fence Post Hole In Soil .....	16.26	
32 31 13 13-0009 VLF 10" Diameter Hole, Auger By Machine Fence Post Hole In Soil .....	18.08	
32 31 13 13-0010 VLF 12" Diameter Hole, Auger By Machine Fence Post Hole In Soil .....	20.34	
32 31 13 13-0011 VLF 18" Diameter Hole, Auger By Machine Fence Post Hole In Soil .....	23.24	
32 31 13 13-0012 VLF 24" Diameter Hole, Auger By Machine Fence Post Hole In Soil .....	27.11	
32 31 13 13-0013 VLF 30" Diameter Hole, Auger By Machine Fence Post Hole In Soil .....	32.53	
32 31 13 13-0014 VLF 36" Diameter Hole, Auger By Machine Fence Post Hole In Soil .....	40.66	
<b>32 31 13 13-0015 Post Hole In Rock (32 31 13 13-0001)</b>		
32 31 13 13-0016 CF Jackhammer Post Hole In Rock.....	66.53	
32 31 13 13-0017 CF Rock Drill Post Hole In Rock.....	19.39	
<b>32 31 13 13-0018 Fill For Post Holes (32 31 13 13-0001)</b>		
See CSI section 03 21 00 00-0000 for reinforcing bars.		
<b>32 31 13 13-0019 Concrete Fill For Post Holes (32 31 13 13-0018)</b>		
32 31 13 13-0020 VLF Up To 2-1/2" Diameter, Concrete Fill For Post Hole .....	5.56	
32 31 13 13-0021 VLF 2-1/2" Diameter, Concrete Fill For Post Hole .....	7.15	
32 31 13 13-0022 VLF 3" Diameter, Concrete Fill For Post Hole .....	7.90	
32 31 13 13-0023 VLF 4" Diameter, Concrete Fill For Post Hole .....	9.17	
32 31 13 13-0024 VLF 6" Diameter, Concrete Fill For Post Hole .....	12.98	
32 31 13 13-0025 VLF 8" Diameter, Concrete Fill For Post Hole .....	17.34	
32 31 13 13-0026 VLF 10" Diameter, Concrete Fill For Post Hole .....	21.24	
32 31 13 13-0027 VLF 12" Diameter, Concrete Fill For Post Hole .....	24.82	
32 31 13 13-0028 VLF 18" Diameter, Concrete Fill For Post Hole .....	34.07	
32 31 13 13-0029 VLF 24" Diameter, Concrete Fill For Post Hole .....	42.53	
32 31 13 13-0030 VLF 30" Diameter, Concrete Fill For Post Hole .....	50.81	
32 31 13 13-0031 VLF 36" Diameter, Concrete Fill For Post Hole .....	59.44	
<b>32 31 13 13-0032 Grout Fill For Post Holes (32 31 13 13-0018)</b>		
32 31 13 13-0033 VLF Up To 2-1/2" Diameter, Grout Fill For Post Hole.....	6.52	
32 31 13 13-0034 VLF 2-1/2" Diameter, Grout Fill For Post Hole .....	8.39	
32 31 13 13-0035 VLF 3" Diameter, Grout Fill For Post Hole.....	9.17	
32 31 13 13-0036 VLF 4" Diameter, Grout Fill For Post Hole.....	10.40	
32 31 13 13-0037 VLF 6" Diameter, Grout Fill For Post Hole.....	14.59	
32 31 13 13-0038 VLF 8" Diameter, Grout Fill For Post Hole.....	19.48	
32 31 13 13-0039 VLF 10" Diameter, Grout Fill For Post Hole.....	23.77	
32 31 13 13-0040 VLF 12" Diameter, Grout Fill For Post Hole.....	27.65	
32 31 13 13-0041 VLF 18" Diameter, Grout Fill For Post Hole.....	37.25	
32 31 13 13-0042 VLF 24" Diameter, Grout Fill For Post Hole.....	45.81	
32 31 13 13-0043 VLF 30" Diameter, Grout Fill For Post Hole.....	54.12	
32 31 13 13-0044 VLF 36" Diameter, Grout Fill For Post Hole.....	62.69	
<b>32 31 13 13-0045 Compacted Earth Fill For Post Holes (32 31 13 13-0018)</b>		
32 31 13 13-0046 VLF Up To 2-1/2" Diameter, Compacted Earth Fill For Post Hole.....	4.41	
32 31 13 13-0047 VLF 2-1/2" Diameter, Compacted Earth Fill For Post Hole.....	5.75	
32 31 13 13-0048 VLF 3" Diameter, Compacted Earth Fill For Post Hole.....	6.01	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 31 13 13-0049	VLF	4" Diameter, Compacted Earth Fill For Post Hole.....	6.18	
32 31 13 13-0050	VLF	6" Diameter, Compacted Earth Fill For Post Hole.....	8.26	
32 31 13 13-0051	VLF	8" Diameter, Compacted Earth Fill For Post Hole.....	11.02	
32 31 13 13-0052	VLF	10" Diameter, Compacted Earth Fill For Post Hole.....	13.22	
32 31 13 13-0053	VLF	12" Diameter, Compacted Earth Fill For Post Hole.....	14.99	
32 31 13 13-0054	VLF	18" Diameter, Compacted Earth Fill For Post Hole.....	18.27	
32 31 13 13-0055	VLF	24" Diameter, Compacted Earth Fill For Post Hole.....	20.50	
32 31 13 13-0056	VLF	30" Diameter, Compacted Earth Fill For Post Hole.....	22.48	
32 31 13 13-0057	VLF	36" Diameter, Compacted Earth Fill For Post Hole.....	24.24	

**32 31 13 13-0058****Fence Posts** (32 31 13 13)

Note: Demolition excludes concrete footing removal on posts and excavation. See CSI section 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 13-0001 for drilling for augering holes and backfill.

**32 31 13 13-0059****Fence Posts** (32 31 13 13-0058)**32 31 13 13-0060****1-7/8" H-Beam Post Without Top Rail Fitting, Galvanized Steel** (32 31 13 13-0059)

Note: Includes cap and accessories.

32 31 13 13-0061	LF	1-7/8" Galvanized H-beam Post, Up To 6' In Length .....	17.92	3.02
		<i>For Each Top Rail Fitting, Add</i>	0.85	
32 31 13 13-0062	LF	1-7/8" Galvanized H-beam Post, 7' To 10' In Length .....	17.06	2.57
		<i>For Each Top Rail Fitting, Add</i>	0.85	
32 31 13 13-0063	LF	1-7/8" Galvanized H-beam Post, 11' To 15' In Length .....	16.02	2.12
		<i>For Each Top Rail Fitting, Add</i>	0.85	
32 31 13 13-0064	LF	1-7/8" Galvanized H-beam Post, 16' To 20' In Length .....	15.18	1.67
		<i>For Each Top Rail Fitting, Add</i>	0.85	
32 31 13 13-0065	LF	1-7/8" Galvanized H-beam Post, 21' To 24' In Length .....	14.62	1.45
		<i>For Each Top Rail Fitting, Add</i>	0.85	
32 31 13 13-0066	LF	1-7/8" Galvanized H-beam Post, >24' In Length .....	13.75	1.00
		<i>For Each Top Rail Fitting, Add</i>	0.85	

**32 31 13 13-0067****Post Without Top Rail Fitting, Galvanized Steel (1.66" Nominal)** (32 31 13 13-0059)

Note: 1-5/8" outside diameter, Schedule 40. Includes cap and accessories.

32 31 13 13-0068	LF	Up To 6' In Length, 1-5/8" Outside Diameter Galvanized Steel Post .....	12.39	2.79
		<i>For Each Top Rail Fitting, Add</i>	0.85	
		<i>For Each Single Barbed Wire Arm, Add</i>	1.90	
		<i>For Each Double Barbed Wire Arm, Add</i>	3.40	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	1.70	
		<i>For Vinyl Coated, Add</i>	4.09	
		<i>For Powder Coated, Add</i>	5.45	
		<i>For Aluminum Coated, Add</i>	8.51	
		<i>For Schedule 20, Deduct</i>	-1.36	
		<i>For Schedule 80, Add</i>	3.83	
32 31 13 13-0069	LF	7' To 10' In Length, 1-5/8" Outside Diameter Galvanized Steel Post .....	11.45	2.35
		<i>For Each Top Rail Fitting, Add</i>	0.85	
		<i>For Each Single Barbed Wire Arm, Add</i>	1.90	
		<i>For Each Double Barbed Wire Arm, Add</i>	3.40	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	1.68	
		<i>For Vinyl Coated, Add</i>	4.04	
		<i>For Powder Coated, Add</i>	5.38	
		<i>For Aluminum Coated, Add</i>	8.41	
		<i>For Schedule 20, Deduct</i>	-1.35	
		<i>For Schedule 80, Add</i>	3.70	
32 31 13 13-0070	LF	11' To 15' In Length, 1-5/8" Outside Diameter Galvanized Steel Post .....	10.46	1.89
		<i>For Each Top Rail Fitting, Add</i>	0.85	
		<i>For Each Single Barbed Wire Arm, Add</i>	1.90	
		<i>For Each Double Barbed Wire Arm, Add</i>	3.40	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	1.68	
		<i>For Vinyl Coated, Add</i>	4.02	
		<i>For Powder Coated, Add</i>	5.36	
		<i>For Aluminum Coated, Add</i>	8.38	
		<i>For Schedule 20, Deduct</i>	-1.34	
		<i>For Schedule 80, Add</i>	3.59	
32 31 13 13-0071	LF	16' To 20' In Length, 1-5/8" Outside Diameter Galvanized Steel Post .....	9.70	1.45
		<i>For Each Top Rail Fitting, Add</i>	0.85	
		<i>For Each Single Barbed Wire Arm, Add</i>	1.90	
		<i>For Each Double Barbed Wire Arm, Add</i>	3.40	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	1.67	
		<i>For Vinyl Coated, Add</i>	4.01	
		<i>For Powder Coated, Add</i>	5.34	
		<i>For Aluminum Coated, Add</i>	8.35	
		<i>For Schedule 20, Deduct</i>	-1.34	
		<i>For Schedule 80, Add</i>	3.51	
32 31 13 13-0072	LF	21' To 24' In Length, 1-5/8" Outside Diameter Galvanized Steel Post .....	9.19	1.23
		<i>For Each Top Rail Fitting, Add</i>	0.85	
		<i>For Each Single Barbed Wire Arm, Add</i>	1.90	
		<i>For Each Double Barbed Wire Arm, Add</i>	3.40	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	1.67	
		<i>For Vinyl Coated, Add</i>	4.00	
		<i>For Powder Coated, Add</i>	5.34	
		<i>For Aluminum Coated, Add</i>	8.34	
		<i>For Schedule 20, Deduct</i>	-1.33	
		<i>For Schedule 80, Add</i>	3.45	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
32 31 13 13-0073	LF	>24' In Length, 1-5/8" Outside Diameter Galvanized Steel Post.....	8.64	1.00
		<i>For Each Top Rail Fitting, Add</i>	0.85	
		<i>For Each Single Barbed Wire Arm, Add</i>	1.90	
		<i>For Each Double Barbed Wire Arm, Add</i>	3.40	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	1.67	
		<i>For Vinyl Coated, Add</i>	4.00	
		<i>For Powder Coated, Add</i>	5.34	
		<i>For Aluminum Coated, Add</i>	8.34	
		<i>For Schedule 20, Deduct</i>	-1.33	
		<i>For Schedule 80, Add</i>	3.40	
<b>32 31 13 13-0074</b>		<b>Post Without Top Rail Fitting, Galvanized Steel (1.90" Nominal)</b> (32 31 13 13-0059)		
		Note: 2" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0075	LF	2" Outside Diameter Galvanized Steel Post, Up To 6' In Length .....	14.10	2.91
		<i>For Each Top Rail Fitting, Add</i>	1.35	
		<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
		<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	2.08	
		<i>For Vinyl Coated, Add</i>	4.99	
		<i>For Powder Coated, Add</i>	6.66	
		<i>For Aluminum Coated, Add</i>	10.40	
		<i>For Schedule 20, Deduct</i>	-1.66	
		<i>For Schedule 80, Add</i>	4.57	
32 31 13 13-0076	LF	2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length .....	13.23	2.46
		<i>For Each Top Rail Fitting, Add</i>	1.35	
		<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
		<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	2.06	
		<i>For Vinyl Coated, Add</i>	4.94	
		<i>For Powder Coated, Add</i>	6.58	
		<i>For Aluminum Coated, Add</i>	10.29	
		<i>For Schedule 20, Deduct</i>	-1.65	
		<i>For Schedule 80, Add</i>	4.45	
32 31 13 13-0077	LF	2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length .....	12.17	2.00
		<i>For Each Top Rail Fitting, Add</i>	1.35	
		<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
		<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	2.05	
		<i>For Vinyl Coated, Add</i>	4.91	
		<i>For Powder Coated, Add</i>	6.54	
		<i>For Aluminum Coated, Add</i>	10.23	
		<i>For Schedule 20, Deduct</i>	-1.64	
		<i>For Schedule 80, Add</i>	4.33	
32 31 13 13-0078	LF	2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length .....	11.35	1.56
		<i>For Each Top Rail Fitting, Add</i>	1.35	
		<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
		<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	2.04	
		<i>For Vinyl Coated, Add</i>	4.90	
		<i>For Powder Coated, Add</i>	6.53	
		<i>For Aluminum Coated, Add</i>	10.20	
		<i>For Schedule 20, Deduct</i>	-1.63	
		<i>For Schedule 80, Add</i>	4.24	
32 31 13 13-0079	LF	2" Outside Diameter Galvanized Steel Post, 21' To 24' In Length .....	10.81	1.34
		<i>For Each Top Rail Fitting, Add</i>	1.35	
		<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
		<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	2.04	
		<i>For Vinyl Coated, Add</i>	4.89	
		<i>For Powder Coated, Add</i>	6.52	
		<i>For Aluminum Coated, Add</i>	10.19	
		<i>For Schedule 20, Deduct</i>	-1.63	
		<i>For Schedule 80, Add</i>	4.18	
32 31 13 13-0080	LF	2" Outside Diameter Galvanized Steel Post, >24' In Length .....	10.30	1.11
		<i>For Each Top Rail Fitting, Add</i>	1.35	
		<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
		<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	2.04	
		<i>For Vinyl Coated, Add</i>	4.88	
		<i>For Powder Coated, Add</i>	6.51	
		<i>For Aluminum Coated, Add</i>	10.18	
		<i>For Schedule 20, Deduct</i>	-1.63	
		<i>For Schedule 80, Add</i>	4.12	
<b>32 31 13 13-0081</b>		<b>Post Without Top Rail Fitting, Galvanized Steel (2.375" Nominal)</b> (32 31 13 13-0059)		
		Note: 2-1/2" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0082	LF	2-1/2" Outside Diameter Galvanized Steel Post, Up To 6' In Length .....	17.11	3.13
		<i>For Each Top Rail Fitting, Add</i>	1.35	
		<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
		<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	2.76	
		<i>For Vinyl Coated, Add</i>	6.61	
		<i>For Powder Coated, Add</i>	8.82	
		<i>For Aluminum Coated, Add</i>	13.78	
		<i>For Schedule 20, Deduct</i>	-2.20	
		<i>For Schedule 80, Add</i>	5.90	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 31 13 13-0083	LF	2-1/2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length.....	16.14	2.68
		<i>For Each Top Rail Fitting, Add</i>	1.35	
		<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
		<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	2.73	
		<i>For Vinyl Coated, Add</i>	6.55	
		<i>For Powder Coated, Add</i>	8.73	
		<i>For Aluminum Coated, Add</i>	13.64	
		<i>For Schedule 20, Deduct</i>	-2.18	
		<i>For Schedule 80, Add</i>	5.76	
32 31 13 13-0084	LF	2-1/2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length.....	15.04	2.12
		<i>For Each Top Rail Fitting, Add</i>	1.35	
		<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
		<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	2.71	
		<i>For Vinyl Coated, Add</i>	6.51	
		<i>For Powder Coated, Add</i>	8.68	
		<i>For Aluminum Coated, Add</i>	13.56	
		<i>For Schedule 20, Deduct</i>	-2.17	
		<i>For Schedule 80, Add</i>	5.63	
32 31 13 13-0085	LF	2-1/2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	14.18	1.67
		<i>For Each Top Rail Fitting, Add</i>	1.35	
		<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
		<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	2.71	
		<i>For Vinyl Coated, Add</i>	6.50	
		<i>For Powder Coated, Add</i>	8.66	
		<i>For Aluminum Coated, Add</i>	13.54	
		<i>For Schedule 20, Deduct</i>	-2.17	
		<i>For Schedule 80, Add</i>	5.53	
32 31 13 13-0086	LF	2-1/2" Outside Diameter Galvanized Steel Post, 21 To 24' In Length.....	13.60	1.45
		<i>For Each Top Rail Fitting, Add</i>	1.35	
		<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
		<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	2.70	
		<i>For Vinyl Coated, Add</i>	6.49	
		<i>For Powder Coated, Add</i>	8.65	
		<i>For Aluminum Coated, Add</i>	13.51	
		<i>For Schedule 20, Deduct</i>	-2.16	
		<i>For Schedule 80, Add</i>	5.47	
32 31 13 13-0087	LF	2-1/2" Outside Diameter Galvanized Steel Post, >24' In Length.....	13.07	1.11
		<i>For Each Top Rail Fitting, Add</i>	1.35	
		<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
		<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	2.70	
		<i>For Vinyl Coated, Add</i>	6.49	
		<i>For Powder Coated, Add</i>	8.65	
		<i>For Aluminum Coated, Add</i>	13.51	
		<i>For Schedule 20, Deduct</i>	-2.16	
		<i>For Schedule 80, Add</i>	5.41	
32 31 13 13-0088		<b>Post Without Top Rail Fitting, Galvanized Steel (2.875" Nominal)</b> (32 31 13 13-0059)		
		Note: 3" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0089	LF	3" Outside Diameter Galvanized Steel Post, Up To 6' In Length.....	23.33	3.35
		<i>For Each Top Rail Fitting, Add</i>	1.85	
		<i>For Each Single Barbed Wire Arm, Add</i>	3.85	
		<i>For Each Double Barbed Wire Arm, Add</i>	7.05	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	4.16	
		<i>For Vinyl Coated, Add</i>	9.98	
		<i>For Powder Coated, Add</i>	13.30	
		<i>For Aluminum Coated, Add</i>	20.79	
		<i>For Schedule 20, Deduct</i>	-3.33	
		<i>For Schedule 80, Add</i>	8.65	
32 31 13 13-0090	LF	3" Outside Diameter Galvanized Steel Post, 7' To 10' In Length.....	22.18	2.91
		<i>For Each Top Rail Fitting, Add</i>	1.85	
		<i>For Each Single Barbed Wire Arm, Add</i>	3.85	
		<i>For Each Double Barbed Wire Arm, Add</i>	7.05	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	4.10	
		<i>For Vinyl Coated, Add</i>	9.84	
		<i>For Powder Coated, Add</i>	13.12	
		<i>For Aluminum Coated, Add</i>	20.50	
		<i>For Schedule 20, Deduct</i>	-3.28	
		<i>For Schedule 80, Add</i>	8.45	
32 31 13 13-0091	LF	3" Outside Diameter Galvanized Steel Post, 11' To 15' In Length.....	20.94	2.35
		<i>For Each Top Rail Fitting, Add</i>	1.85	
		<i>For Each Single Barbed Wire Arm, Add</i>	3.85	
		<i>For Each Double Barbed Wire Arm, Add</i>	7.05	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	4.07	
		<i>For Vinyl Coated, Add</i>	9.77	
		<i>For Powder Coated, Add</i>	13.03	
		<i>For Aluminum Coated, Add</i>	20.36	
		<i>For Schedule 20, Deduct</i>	-3.26	
		<i>For Schedule 80, Add</i>	8.28	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0092	LF		3" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	19.95	1.89
			For Each Top Rail Fitting, Add	1.85	
			For Each Single Barbed Wire Arm, Add	3.85	
			For Each Double Barbed Wire Arm, Add	7.05	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	4.06	
			For Vinyl Coated, Add	9.74	
			For Powder Coated, Add	12.98	
			For Aluminum Coated, Add	20.29	
			For Schedule 20, Deduct	-3.25	
			For Schedule 80, Add	8.16	
32 31 13 13-0093	LF		3" Outside Diameter Galvanized Steel Post, 21' To 24' In Length.....	19.30	1.56
			For Each Top Rail Fitting, Add	1.85	
			For Each Single Barbed Wire Arm, Add	3.85	
			For Each Double Barbed Wire Arm, Add	7.05	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	4.05	
			For Vinyl Coated, Add	9.72	
			For Powder Coated, Add	12.96	
			For Aluminum Coated, Add	20.25	
			For Schedule 20, Deduct	-3.24	
			For Schedule 80, Add	8.09	
32 31 13 13-0094	LF		3" Outside Diameter Galvanized Steel Post, >24' In Length.....	18.72	1.23
			For Each Top Rail Fitting, Add	1.85	
			For Each Single Barbed Wire Arm, Add	3.85	
			For Each Double Barbed Wire Arm, Add	7.05	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	4.05	
			For Vinyl Coated, Add	9.72	
			For Powder Coated, Add	12.96	
			For Aluminum Coated, Add	20.25	
			For Schedule 20, Deduct	-3.24	
			For Schedule 80, Add	8.03	
<b>32 31 13 13-0095</b>			<b>Post Without Top Rail Fitting, Galvanized Steel, (4.00" Nominal)</b> <small>(32 31 13 13-0059)</small>		
			Note: 4" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0096	LF		4" Outside Diameter Galvanized Steel Post, Up To 6' In Length.....	34.17	3.57
			For Each Top Rail Fitting, Add	2.60	
			For Each Single Barbed Wire Arm, Add	5.10	
			For Each Double Barbed Wire Arm, Add	11.25	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	6.78	
			For Vinyl Coated, Add	16.27	
			For Powder Coated, Add	21.70	
			For Aluminum Coated, Add	33.90	
			For Schedule 20, Deduct	-5.42	
			For Schedule 80, Add	13.72	
32 31 13 13-0097	LF		4" Outside Diameter Galvanized Steel Post, 7' To 10' In Length.....	32.59	2.91
			For Each Top Rail Fitting, Add	2.60	
			For Each Single Barbed Wire Arm, Add	5.10	
			For Each Double Barbed Wire Arm, Add	11.25	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	6.68	
			For Vinyl Coated, Add	16.03	
			For Powder Coated, Add	21.37	
			For Aluminum Coated, Add	33.39	
			For Schedule 20, Deduct	-5.34	
			For Schedule 80, Add	13.41	
32 31 13 13-0098	LF		4" Outside Diameter Galvanized Steel Post, 11' To 15' In Length.....	31.41	2.46
			For Each Top Rail Fitting, Add	2.60	
			For Each Single Barbed Wire Arm, Add	5.10	
			For Each Double Barbed Wire Arm, Add	11.25	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	6.63	
			For Vinyl Coated, Add	15.91	
			For Powder Coated, Add	21.21	
			For Aluminum Coated, Add	33.14	
			For Schedule 20, Deduct	-5.30	
			For Schedule 80, Add	13.21	
32 31 13 13-0099	LF		4" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	30.33	2.00
			For Each Top Rail Fitting, Add	2.60	
			For Each Single Barbed Wire Arm, Add	5.10	
			For Each Double Barbed Wire Arm, Add	11.25	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	6.60	
			For Vinyl Coated, Add	15.85	
			For Powder Coated, Add	21.13	
			For Aluminum Coated, Add	33.01	
			For Schedule 20, Deduct	-5.28	
			For Schedule 80, Add	13.07	
32 31 13 13-0100	LF		4" Outside Diameter Galvanized Steel Post, 21' To 24' In Length.....	30.28	2.00
			For Each Top Rail Fitting, Add	2.60	
			For Each Single Barbed Wire Arm, Add	5.10	
			For Each Double Barbed Wire Arm, Add	11.25	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	6.59	
			For Vinyl Coated, Add	15.82	
			For Powder Coated, Add	21.09	
			For Aluminum Coated, Add	32.95	
			For Schedule 20, Deduct	-5.27	
			For Schedule 80, Add	13.04	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 31 13 13-0101	LF 4" Outside Diameter Galvanized Steel Post, >24' In Length.....	29.14	1.45
	For Each Top Rail Fitting, Add	2.60	
	For Each Single Barbed Wire Arm, Add	5.10	
	For Each Double Barbed Wire Arm, Add	11.25	
	For SS40 (Hot-Dip Galvanized And Chromated), Add	6.59	
	For Vinyl Coated, Add	15.81	
	For Powder Coated, Add	21.08	
	For Aluminum Coated, Add	32.94	
	For Schedule 20, Deduct	-5.27	
	For Schedule 80, Add	12.93	
<b>32 31 13 13-0102</b>	<b>Post Without Top Rail Fitting, Galvanized Steel (6.625" Nominal)</b> (32 31 13 13-0059)		
	Note: 6-5/8" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0103	LF 6-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length.....	67.03	3.91
	For Each Top Rail Fitting, Add	4.55	
	For Each Single Barbed Wire Arm, Add	7.15	
	For Each Double Barbed Wire Arm, Add	14.95	
	For SS40 (Hot-Dip Galvanized And Chromated), Add	14.80	
	For Vinyl Coated, Add	35.51	
	For Powder Coated, Add	47.35	
	For Aluminum Coated, Add	73.99	
	For Schedule 20, Deduct	-11.84	
	For Schedule 80, Add	29.20	
32 31 13 13-0104	LF 6-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length.....	64.23	3.24
	For Each Top Rail Fitting, Add	4.55	
	For Each Single Barbed Wire Arm, Add	7.15	
	For Each Double Barbed Wire Arm, Add	14.95	
	For SS40 (Hot-Dip Galvanized And Chromated), Add	14.42	
	For Vinyl Coated, Add	34.60	
	For Powder Coated, Add	46.13	
	For Aluminum Coated, Add	72.08	
	For Schedule 20, Deduct	-11.53	
	For Schedule 80, Add	28.33	
32 31 13 13-0105	LF 6-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length.....	62.34	2.68
	For Each Top Rail Fitting, Add	4.55	
	For Each Single Barbed Wire Arm, Add	7.15	
	For Each Double Barbed Wire Arm, Add	14.95	
	For SS40 (Hot-Dip Galvanized And Chromated), Add	14.22	
	For Vinyl Coated, Add	34.13	
	For Powder Coated, Add	45.51	
	For Aluminum Coated, Add	71.11	
	For Schedule 20, Deduct	-11.38	
	For Schedule 80, Add	27.85	
32 31 13 13-0106	LF 6-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	60.86	2.12
	For Each Top Rail Fitting, Add	4.55	
	For Each Single Barbed Wire Arm, Add	7.15	
	For Each Double Barbed Wire Arm, Add	14.95	
	For SS40 (Hot-Dip Galvanized And Chromated), Add	14.13	
	For Vinyl Coated, Add	33.91	
	For Powder Coated, Add	45.21	
	For Aluminum Coated, Add	70.64	
	For Schedule 20, Deduct	-11.30	
	For Schedule 80, Add	27.56	
32 31 13 13-0107	LF 6-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length.....	60.04	1.89
	For Each Top Rail Fitting, Add	4.55	
	For Each Single Barbed Wire Arm, Add	7.15	
	For Each Double Barbed Wire Arm, Add	14.95	
	For SS40 (Hot-Dip Galvanized And Chromated), Add	14.08	
	For Vinyl Coated, Add	33.79	
	For Powder Coated, Add	45.06	
	For Aluminum Coated, Add	70.40	
	For Schedule 20, Deduct	-11.26	
	For Schedule 80, Add	27.41	
32 31 13 13-0108	LF 6-5/8" Outside Diameter Galvanized Steel Post, >24' In Length.....	59.38	1.56
	For Each Top Rail Fitting, Add	4.55	
	For Each Single Barbed Wire Arm, Add	7.15	
	For Each Double Barbed Wire Arm, Add	14.95	
	For SS40 (Hot-Dip Galvanized And Chromated), Add	14.07	
	For Vinyl Coated, Add	33.77	
	For Powder Coated, Add	45.02	
	For Aluminum Coated, Add	70.35	
	For Schedule 20, Deduct	-11.26	
	For Schedule 80, Add	27.32	
<b>32 31 13 13-0109</b>	<b>Post Without Top Rail Fitting, Galvanized Steel (8.625" Nominal)</b> (32 31 13 13-0059)		
	Note: 8-5/8" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0110	LF 8-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length.....	129.75	4.35
	For Each Top Rail Fitting, Add	7.50	
	For Each Single Barbed Wire Arm, Add	9.15	
	For Each Double Barbed Wire Arm, Add	18.95	
	For SS40 (Hot-Dip Galvanized And Chromated), Add	30.26	
	For Vinyl Coated, Add	72.63	
	For Powder Coated, Add	96.84	
	For Aluminum Coated, Add	151.31	
	For Schedule 20, Deduct	-24.21	
	For Schedule 80, Add	58.97	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0111	LF	8-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	125.28	3.69
		<i>For Each Top Rail Fitting, Add</i>	7.50	
		<i>For Each Single Barbed Wire Arm, Add</i>	9.15	
		<i>For Each Double Barbed Wire Arm, Add</i>	18.95	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	29.50	
		<i>For Vinyl Coated, Add</i>	70.80	
		<i>For Powder Coated, Add</i>	94.40	
		<i>For Aluminum Coated, Add</i>	147.50	
		<i>For Schedule 20, Deduct</i>	-23.60	
		<i>For Schedule 80, Add</i>	57.37	
32 31 13 13-0112	LF	8-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	122.52	3.02
		<i>For Each Top Rail Fitting, Add</i>	7.50	
		<i>For Each Single Barbed Wire Arm, Add</i>	9.15	
		<i>For Each Double Barbed Wire Arm, Add</i>	18.95	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	29.12	
		<i>For Vinyl Coated, Add</i>	69.89	
		<i>For Powder Coated, Add</i>	93.18	
		<i>For Aluminum Coated, Add</i>	145.60	
		<i>For Schedule 20, Deduct</i>	-23.30	
		<i>For Schedule 80, Add</i>	56.51	
32 31 13 13-0113	LF	8-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	120.50	2.35
		<i>For Each Top Rail Fitting, Add</i>	7.50	
		<i>For Each Single Barbed Wire Arm, Add</i>	9.15	
		<i>For Each Double Barbed Wire Arm, Add</i>	18.95	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	28.93	
		<i>For Vinyl Coated, Add</i>	69.43	
		<i>For Powder Coated, Add</i>	92.57	
		<i>For Aluminum Coated, Add</i>	144.64	
		<i>For Schedule 20, Deduct</i>	-23.14	
		<i>For Schedule 80, Add</i>	56.02	
32 31 13 13-0114	LF	8-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	119.46	2.00
		<i>For Each Top Rail Fitting, Add</i>	7.50	
		<i>For Each Single Barbed Wire Arm, Add</i>	9.15	
		<i>For Each Double Barbed Wire Arm, Add</i>	18.95	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	28.83	
		<i>For Vinyl Coated, Add</i>	69.20	
		<i>For Powder Coated, Add</i>	92.26	
		<i>For Aluminum Coated, Add</i>	144.16	
		<i>For Schedule 20, Deduct</i>	-23.07	
		<i>For Schedule 80, Add</i>	55.77	
32 31 13 13-0115	LF	8-5/8" Outside Diameter Galvanized Steel Post, >24' In Length	118.71	1.67
		<i>For Each Top Rail Fitting, Add</i>	7.50	
		<i>For Each Single Barbed Wire Arm, Add</i>	9.15	
		<i>For Each Double Barbed Wire Arm, Add</i>	18.95	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	28.82	
		<i>For Vinyl Coated, Add</i>	69.16	
		<i>For Powder Coated, Add</i>	92.21	
		<i>For Aluminum Coated, Add</i>	144.08	
		<i>For Schedule 20, Deduct</i>	-23.05	
		<i>For Schedule 80, Add</i>	55.67	
<b>32 31 13 13-0116</b>		<b>Driven Post Supports</b> (32 31 13 13)		
		Note: OZ-Post.		
<b>32 31 13 13-0117</b>		<b>Driven Post Support For Round Chain Link Fence Posts</b> (32 31 13 13-0116)		
32 31 13 13-0118	EA	26" Driven Post Support For 1-5/8" Round Chain Link Fence Post	66.18	
		Note: OZ-Post GB-700.		
32 31 13 13-0119	EA	26" Driven Post Support For 1-7/8" To 2" Round Chain Link Fence Post	66.18	
		Note: OZ-Post HB-700.		
32 31 13 13-0120	EA	26" Driven Post Support For 2-3/8" To 2-1/2" Round Chain Link Fence Post	67.76	
		Note: OZ-Post IS-600.		
32 31 13 13-0121	EA	32" Driven Post Support For 2-3/8" To 2-1/2" Round Chain Link Fence Post	81.66	
		Note: OZ-Post ISW-850.		
<b>32 31 13 13-0122</b>		<b>Driven Post Support For Square Ornamental Fence Posts</b> (32 31 13 13-0116)		
32 31 13 13-0123	EA	34" Driven Post Support For 1-3/4" Square Ornamental Fence Post	76.91	
		Note: OZ-Post C175-850.		
32 31 13 13-0124	EA	24" Driven Post Support For 2" Square Ornamental Fence Post	74.54	
		Note: OZ-Post I2-600.		
32 31 13 13-0125	EA	34" Driven Post Support For 2" Square Ornamental Fence Post	77.39	
		Note: OZ-Post I2-850.		
32 31 13 13-0126	EA	34" Driven Post Support For 2-1/2" Square Ornamental Fence Post	81.66	
		Note: OZ-Post I25-850.		
32 31 13 13-0127	EA	34" Driven Post Support For 3" Square Ornamental Fence Post	81.66	
		Note: OZ-Post I3-850.		
<b>32 31 13 13-0128</b>		<b>Driven Post Support For Wooden Fence Posts</b> (32 31 13 13-0116)		
32 31 13 13-0129	EA	24" Driven Post Support For 3-1/2" Square Wooden Fence Post	74.62	
		Note: OZ-Post T4-600.		
32 31 13 13-0130	EA	34" Driven Post Support For 3-1/2" Square Wooden Fence Post	79.28	
		Note: OZ-Post T4-850.		
32 31 13 13-0131	EA	34" Driven Post Support For 3-3/4" Square Wooden Fence Post	84.82	
		Note: OZ-Post C4-850.		
32 31 13 13-0132	EA	34" Driven Post Support For 4" Square Wooden Fence Post	84.83	
		Note: OZ-Post P4-850.		
32 31 13 13-0133	EA	36" Driven Post Support For 4" x 6" Wooden Fence Post	95.12	
		Note: OZ-Post T46-850.		

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

32 31 13 13-0134	EA	36" Driven Post Support For 6" Square Wooden Fence Post ..... Note: OZ-Post T6-850.	102.40	
<b>32 31 13 13-0135</b>		<b>Driven Post Support For Vinyl Fence Posts</b> (32 31 13 13-0116)		
32 31 13 13-0136	EA	24" Driven Post Support For 3-1/2" Square Vinyl Fence Post ..... Note: OZ-Post T4-600.	74.62	
32 31 13 13-0137	EA	34" Driven Post Support For 3-1/2" Square Vinyl Fence Post ..... Note: OZ-Post T4-850.	79.28	
32 31 13 13-0138	EA	34" Driven Post Support For 4" Square Vinyl Fence Post..... Note: OZ-Post P4-850.	84.83	
32 31 13 13-0139	EA	34" Driven Post Support For 5" Square Vinyl Fence Post..... Note: OZ-Post P4-850.	86.09	
<b>32 31 13 13-0140</b>		<b>Chain Link Fence Assemblies</b> (32 31 13 13)		
<b>32 31 13 13-0141</b>		<b>Chain Link Fence Assembly With 2-1/2" Line Post And 3" Corner Posts</b> (32 31 13 13-0140) Note: Includes 2" 9 gauge coiled spring mesh (knuckled selvage), tension bars, post tension bands, wire ties, truss rod (at corners or posts), 1-5/8" top rail, 1-5/8" bottom rail, 2-1/2" line post and 3" corner posts. Posts exclude drilling or augering in soil or rock, concrete or soil fill. Heights indicated are from ground to top of installed pole. Minimum 2' bury with up to one third of exposed post height to be buried in ground. Excludes grounding. Demolition excludes concrete footing removal on posts and excavation. See CSI section 26 05 26 00-0000 for grounding, 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 13-0641 for barb wire attachments.		
<b>32 31 13 13-0142</b>		<b>Galvanized</b> (32 31 13 13-0141)		
32 31 13 13-0143	LF	3' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post..... <i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i> <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Posts 8' On Centers, Add</i> <i>For Posts 5' On Centers, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 250, Add</i> <i>For &gt;2,500 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	35.34	3.80
32 31 13 13-0144	LF	3'-6" Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post..... <i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i> <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Posts 8' On Centers, Add</i> <i>For Posts 5' On Centers, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 250, Add</i> <i>For &gt;2,500 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	36.74	3.80
32 31 13 13-0145	LF	4' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post..... <i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i> <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Posts 8' On Centers, Add</i> <i>For Posts 5' On Centers, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 250, Add</i> <i>For &gt;2,500 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	37.95	3.80
32 31 13 13-0146	LF	5' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post..... <i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i> <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Posts 8' On Centers, Add</i> <i>For Posts 5' On Centers, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 250, Add</i> <i>For &gt;2,500 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	40.81	3.80

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
32 31 13 13-0147	LF	6' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	44.22	3.80
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.05	
		<i>For 13 Gauge Fabric, Deduct</i>	-9.51	
		<i>For 11 Gauge Fabric, Deduct</i>	-5.55	
		<i>For 6 Gauge Fabric, Add</i>	8.73	
		<i>For 1" Mesh Fabric, Add</i>	11.90	
		<i>For 1-3/4" Mesh Fabric, Add</i>	4.76	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.38	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.17	
		<i>For Posts 8' On Centers, Add</i>	2.41	
		<i>For Posts 5' On Centers, Add</i>	9.06	
		<i>For Up To 100, Add</i>	8.32	
		<i>For &gt;100 To 250, Add</i>	3.05	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-1.53	
		<i>For &gt;5,000, Deduct</i>	-3.05	
32 31 13 13-0148	LF	7' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	45.93	5.69
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.17	
		<i>For 13 Gauge Fabric, Deduct</i>	-9.88	
		<i>For 11 Gauge Fabric, Deduct</i>	-5.77	
		<i>For 6 Gauge Fabric, Add</i>	9.07	
		<i>For 1" Mesh Fabric, Add</i>	12.37	
		<i>For 1-3/4" Mesh Fabric, Add</i>	4.95	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.47	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.30	
		<i>For Posts 8' On Centers, Add</i>	2.51	
		<i>For Posts 5' On Centers, Add</i>	9.40	
		<i>For Up To 100, Add</i>	8.64	
		<i>For &gt;100 To 250, Add</i>	3.17	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-1.59	
		<i>For &gt;5,000, Deduct</i>	-3.17	
32 31 13 13-0149	LF	8' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	52.03	6.65
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.53	
		<i>For 13 Gauge Fabric, Deduct</i>	-11.61	
		<i>For 11 Gauge Fabric, Deduct</i>	-6.78	
		<i>For 6 Gauge Fabric, Add</i>	10.65	
		<i>For 1" Mesh Fabric, Add</i>	14.53	
		<i>For 1-3/4" Mesh Fabric, Add</i>	5.81	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.91	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.87	
		<i>For Posts 8' On Centers, Add</i>	2.83	
		<i>For Posts 5' On Centers, Add</i>	10.58	
		<i>For Up To 100, Add</i>	9.67	
		<i>For &gt;100 To 250, Add</i>	3.53	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-1.77	
		<i>For &gt;5,000, Deduct</i>	-3.53	
32 31 13 13-0150	LF	9' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	55.51	8.54
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.75	
		<i>For 13 Gauge Fabric, Deduct</i>	-12.51	
		<i>For 11 Gauge Fabric, Deduct</i>	-7.31	
		<i>For 6 Gauge Fabric, Add</i>	11.48	
		<i>For 1" Mesh Fabric, Add</i>	15.66	
		<i>For 1-3/4" Mesh Fabric, Add</i>	6.26	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-3.13	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-4.17	
		<i>For Posts 8' On Centers, Add</i>	3.01	
		<i>For Posts 5' On Centers, Add</i>	11.26	
		<i>For Up To 100, Add</i>	10.28	
		<i>For &gt;100 To 250, Add</i>	3.75	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-1.88	
		<i>For &gt;5,000, Deduct</i>	-3.75	
32 31 13 13-0151	LF	10' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	58.99	9.49
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.97	
		<i>For 13 Gauge Fabric, Deduct</i>	-13.41	
		<i>For 11 Gauge Fabric, Deduct</i>	-7.83	
		<i>For 6 Gauge Fabric, Add</i>	12.31	
		<i>For 1" Mesh Fabric, Add</i>	16.78	
		<i>For 1-3/4" Mesh Fabric, Add</i>	6.71	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-3.36	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-4.48	
		<i>For Posts 8' On Centers, Add</i>	3.19	
		<i>For Posts 5' On Centers, Add</i>	11.94	
		<i>For Up To 100, Add</i>	10.89	
		<i>For &gt;100 To 250, Add</i>	3.97	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-1.99	
		<i>For &gt;5,000, Deduct</i>	-3.97	

32 31 13 13-0152 Vinyl Coated (32 31 13 13-0141)

## 32 Exterior Improvements

## 32 30 Site Improvements

## 32 31 Fences and Gates

 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

32 31 13 13-0153	LF	4' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	39.33	3.80
		For Powder Coated Framework (Posts, Rails, Hardware), Add	3.60	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	2.73	
		For 13 Gauge Fabric, Deduct	-8.34	
		For 11 Gauge Fabric, Deduct	-4.87	
		For 6 Gauge Fabric, Add	7.65	
		For 1" Mesh Fabric, Add	10.44	
		For 1-3/4" Mesh Fabric, Add	4.17	
		For 2-1/8" Mesh Fabric, Deduct	-2.09	
		For 2-3/8" Mesh Fabric, Deduct	-2.78	
		For Posts 8' On Centers, Add	2.15	
		For Posts 5' On Centers, Add	8.08	
		For Up To 100, Add	7.43	
		For >100 To 250, Add	2.73	
		For >2,500 To 5,000, Deduct	-1.37	
		For >5,000, Deduct	-2.73	
32 31 13 13-0154	LF	5' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	42.55	3.80
		For Powder Coated Framework (Posts, Rails, Hardware), Add	4.01	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	2.92	
		For 13 Gauge Fabric, Deduct	-9.29	
		For 11 Gauge Fabric, Deduct	-5.42	
		For 6 Gauge Fabric, Add	8.52	
		For 1" Mesh Fabric, Add	11.62	
		For 1-3/4" Mesh Fabric, Add	4.65	
		For 2-1/8" Mesh Fabric, Deduct	-2.32	
		For 2-3/8" Mesh Fabric, Deduct	-3.10	
		For Posts 8' On Centers, Add	2.32	
		For Posts 5' On Centers, Add	8.69	
		For Up To 100, Add	7.97	
		For >100 To 250, Add	2.92	
		For >2,500 To 5,000, Deduct	-1.46	
		For >5,000, Deduct	-2.92	
32 31 13 13-0155	LF	6' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	47.76	3.80
		For Powder Coated Framework (Posts, Rails, Hardware), Add	4.64	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	3.23	
		For 13 Gauge Fabric, Deduct	-10.74	
		For 11 Gauge Fabric, Deduct	-6.27	
		For 6 Gauge Fabric, Add	9.86	
		For 1" Mesh Fabric, Add	13.44	
		For 1-3/4" Mesh Fabric, Add	5.38	
		For 2-1/8" Mesh Fabric, Deduct	-2.69	
		For 2-3/8" Mesh Fabric, Deduct	-3.58	
		For Posts 8' On Centers, Add	2.59	
		For Posts 5' On Centers, Add	9.69	
		For Up To 100, Add	8.85	
		For >100 To 250, Add	3.23	
		For >2,500 To 5,000, Deduct	-1.62	
		For >5,000, Deduct	-3.23	
32 31 13 13-0156	LF	7' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	50.04	5.69
		For Powder Coated Framework (Posts, Rails, Hardware), Add	4.88	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	3.38	
		For 13 Gauge Fabric, Deduct	-11.31	
		For 11 Gauge Fabric, Deduct	-6.61	
		For 6 Gauge Fabric, Add	10.38	
		For 1" Mesh Fabric, Add	14.16	
		For 1-3/4" Mesh Fabric, Add	5.66	
		For 2-1/8" Mesh Fabric, Deduct	-2.83	
		For 2-3/8" Mesh Fabric, Deduct	-3.78	
		For Posts 8' On Centers, Add	2.71	
		For Posts 5' On Centers, Add	10.14	
		For Up To 100, Add	9.26	
		For >100 To 250, Add	3.38	
		For >2,500 To 5,000, Deduct	-1.69	
		For >5,000, Deduct	-3.38	
32 31 13 13-0157	LF	8' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	56.82	6.65
		For Powder Coated Framework (Posts, Rails, Hardware), Add	5.73	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	3.77	
		For 13 Gauge Fabric, Deduct	-13.27	
		For 11 Gauge Fabric, Deduct	-7.75	
		For 6 Gauge Fabric, Add	12.18	
		For 1" Mesh Fabric, Add	16.61	
		For 1-3/4" Mesh Fabric, Add	6.65	
		For 2-1/8" Mesh Fabric, Deduct	-3.32	
		For 2-3/8" Mesh Fabric, Deduct	-4.43	
		For Posts 8' On Centers, Add	3.06	
		For Posts 5' On Centers, Add	11.44	
		For Up To 100, Add	10.39	
		For >100 To 250, Add	3.77	
		For >2,500 To 5,000, Deduct	-1.89	
		For >5,000, Deduct	-3.77	

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST

32 31 13 13-0158	LF	9' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	60.66	8.54
		<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	6.17	
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	4.01	
		<i>For 13 Gauge Fabric, Deduct</i>	-14.30	
		<i>For 11 Gauge Fabric, Deduct</i>	-8.35	
		<i>For 6 Gauge Fabric, Add</i>	13.12	
		<i>For 1" Mesh Fabric, Add</i>	17.90	
		<i>For 1-3/4" Mesh Fabric, Add</i>	7.16	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-3.58	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-4.77	
		<i>For Posts 8' On Centers, Add</i>	3.27	
		<i>For Posts 5' On Centers, Add</i>	12.19	
		<i>For Up To 100, Add</i>	11.05	
		<i>For &gt;100 To 250, Add</i>	4.01	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-2.00	
		<i>For &gt;5,000, Deduct</i>	-4.01	
32 31 13 13-0159	LF	10' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	64.49	9.49
		<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	6.61	
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	4.25	
		<i>For 13 Gauge Fabric, Deduct</i>	-15.32	
		<i>For 11 Gauge Fabric, Deduct</i>	-8.95	
		<i>For 6 Gauge Fabric, Add</i>	14.06	
		<i>For 1" Mesh Fabric, Add</i>	19.17	
		<i>For 1-3/4" Mesh Fabric, Add</i>	7.67	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-3.83	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-5.11	
		<i>For Posts 8' On Centers, Add</i>	3.47	
		<i>For Posts 5' On Centers, Add</i>	12.93	
		<i>For Up To 100, Add</i>	11.71	
		<i>For &gt;100 To 250, Add</i>	4.25	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-2.12	
		<i>For &gt;5,000, Deduct</i>	-4.25	
32 31 13 13-0160		<b>Rails</b> <small>(32 31 13 13)</small>		
		Note: Includes rail end fittings.		
32 31 13 13-0161		<b>SS-20 Chain Link Fence Rails</b> <small>(32 31 13 13-0160)</small>		
		Note: Includes tie wires.		
32 31 13 13-0162	LF	1-3/8" Galvanized Steel Rail, 0.08" Wall Thickness, Tie Wires And Fittings	6.36	1.23
		<i>For SS15, Deduct</i>	-0.38	
		<i>For SS40, Add</i>	0.95	
32 31 13 13-0163	LF	1-3/8" Vinyl Coated Rail, 0.08" Wall Thickness, Tie Wires And Fittings	7.64	1.23
		<i>For SS40, Add</i>	0.51	
		<i>For Powder Coated, Add</i>	1.01	
		<i>For Aluminum Coated, Add</i>	2.03	
32 31 13 13-0164	LF	1-5/8" Galvanized Steel Rail, 0.085" Wall Thickness, Tie Wires And Fittings	7.84	1.39
		<i>For SS15, Deduct</i>	-0.51	
		<i>For SS40, Add</i>	1.26	
32 31 13 13-0165	LF	1-5/8" Vinyl Coated Rail, 0.085" Wall Thickness, Tie Wires And Fittings	9.54	1.39
		<i>For SS40, Add</i>	0.68	
		<i>For Powder Coated, Add</i>	1.35	
		<i>For Aluminum Coated, Add</i>	2.70	
32 31 13 13-0166	LF	2" Galvanized Steel Rail, 0.09" Wall Thickness, Tie Wires And Fittings	9.19	1.56
		<i>For SS40, Add</i>	1.52	
32 31 13 13-0167	LF	2" Vinyl Coated Rail, 0.09" Wall Thickness, Tie Wires And Fittings	11.24	1.56
		<i>For SS40, Add</i>	0.81	
		<i>For Powder Coated, Add</i>	1.62	
		<i>For Aluminum Coated, Add</i>	3.24	
32 31 13 13-0168		<b>Fabric</b> <small>(32 31 13 13)</small>		
32 31 13 13-0169		<b>Fabric, Galvanized Chain Link</b> <small>(32 31 13 13-0168)</small>		
32 31 13 13-0170	LF	3' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	10.66	2.24
		<i>For 1-1/4" Mesh Fabric, Add</i>	0.95	
		<i>For 2 Oz Galvanized Or Zinc Coating, Add</i>	0.85	
		<i>For 13 Gauge Fabric, Deduct</i>	-1.53	
		<i>For 11 Gauge Fabric, Deduct</i>	-0.85	
		<i>For 6 Gauge Fabric, Add</i>	2.72	
		<i>For 1" Mesh Fabric, Add</i>	2.55	
		<i>For 1-1/4" Mesh Fabric, Add</i>	1.70	
		<i>For 1-3/4" Mesh Fabric, Add</i>	1.02	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-0.51	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-0.68	
32 31 13 13-0171	LF	3'-6" Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	11.79	2.52
		<i>For 1-1/4" Mesh Fabric, Add</i>	1.11	
		<i>For 2 Oz Galvanized Or Zinc Coating, Add</i>	0.99	
		<i>For 13 Gauge Fabric, Deduct</i>	-1.79	
		<i>For 11 Gauge Fabric, Deduct</i>	-0.99	
		<i>For 6 Gauge Fabric, Add</i>	3.18	
		<i>For 1" Mesh Fabric, Add</i>	2.98	
		<i>For 1-1/4" Mesh Fabric, Add</i>	1.99	
		<i>For 1-3/4" Mesh Fabric, Add</i>	1.19	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-0.60	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-0.79	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 13-0172	LF	4' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	12.73	2.79
			<i>For 1-1/4" Mesh Fabric, Add</i>	1.22	
			<i>For 2 Oz Galvanized Or Zinc Coating, Add</i>	1.09	
			<i>For 13 Gauge Fabric, Deduct</i>	-1.96	
			<i>For 11 Gauge Fabric, Deduct</i>	-1.09	
			<i>For 6 Gauge Fabric, Add</i>	3.49	
			<i>For 1" Mesh Fabric, Add</i>	3.27	
			<i>For 1-1/4" Mesh Fabric, Add</i>	2.18	
			<i>For 1-3/4" Mesh Fabric, Add</i>	1.31	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-0.65	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-0.87	
32 31	13 13-0173	LF	5' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	14.37	3.35
			<i>For 1-1/4" Mesh Fabric, Add</i>	1.52	
			<i>For 2 Oz Galvanized Or Zinc Coating, Add</i>	1.36	
			<i>For 13 Gauge Fabric, Deduct</i>	-2.45	
			<i>For 11 Gauge Fabric, Deduct</i>	-1.36	
			<i>For 6 Gauge Fabric, Add</i>	4.35	
			<i>For 1" Mesh Fabric, Add</i>	4.08	
			<i>For 1-1/4" Mesh Fabric, Add</i>	2.72	
			<i>For 1-3/4" Mesh Fabric, Add</i>	1.63	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-0.82	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.09	
32 31	13 13-0174	LF	6' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	16.11	3.91
			<i>For 1-1/4" Mesh Fabric, Add</i>	1.83	
			<i>For 2 Oz Galvanized Or Zinc Coating, Add</i>	1.64	
			<i>For 13 Gauge Fabric, Deduct</i>	-2.94	
			<i>For 11 Gauge Fabric, Deduct</i>	-1.64	
			<i>For 6 Gauge Fabric, Add</i>	5.23	
			<i>For 1" Mesh Fabric, Add</i>	4.91	
			<i>For 1-1/4" Mesh Fabric, Add</i>	3.27	
			<i>For 1-3/4" Mesh Fabric, Add</i>	1.96	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-0.98	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.31	
32 31	13 13-0175	LF	7' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	17.92	4.47
			<i>For 1-1/4" Mesh Fabric, Add</i>	2.13	
			<i>For 2 Oz Galvanized Or Zinc Coating, Add</i>	1.91	
			<i>For 13 Gauge Fabric, Deduct</i>	-3.43	
			<i>For 11 Gauge Fabric, Deduct</i>	-1.91	
			<i>For 6 Gauge Fabric, Add</i>	6.10	
			<i>For 1" Mesh Fabric, Add</i>	5.72	
			<i>For 1-1/4" Mesh Fabric, Add</i>	3.81	
			<i>For 1-3/4" Mesh Fabric, Add</i>	2.29	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.14	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.52	
32 31	13 13-0176	LF	8' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	19.88	5.58
			<i>For 1-1/4" Mesh Fabric, Add</i>	2.44	
			<i>For 2 Oz Galvanized Or Zinc Coating, Add</i>	2.18	
			<i>For 13 Gauge Fabric, Deduct</i>	-3.92	
			<i>For 11 Gauge Fabric, Deduct</i>	-2.18	
			<i>For 6 Gauge Fabric, Add</i>	6.97	
			<i>For 1" Mesh Fabric, Add</i>	6.53	
			<i>For 1-1/4" Mesh Fabric, Add</i>	4.36	
			<i>For 1-3/4" Mesh Fabric, Add</i>	2.61	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.31	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.74	
32 31	13 13-0177	LF	10' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	23.64	6.14
			<i>For 1-1/4" Mesh Fabric, Add</i>	3.17	
			<i>For 2 Oz Galvanized Or Zinc Coating, Add</i>	2.83	
			<i>For 13 Gauge Fabric, Deduct</i>	-5.09	
			<i>For 11 Gauge Fabric, Deduct</i>	-2.83	
			<i>For 6 Gauge Fabric, Add</i>	9.05	
			<i>For 1" Mesh Fabric, Add</i>	8.48	
			<i>For 1-1/4" Mesh Fabric, Add</i>	5.66	
			<i>For 1-3/4" Mesh Fabric, Add</i>	3.39	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.70	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.26	
32 31	13 13-0178	LF	12' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	26.96	6.70
			<i>For 1-1/4" Mesh Fabric, Add</i>	3.80	
			<i>For 2 Oz Galvanized Or Zinc Coating, Add</i>	3.39	
			<i>For 13 Gauge Fabric, Deduct</i>	-6.10	
			<i>For 11 Gauge Fabric, Deduct</i>	-3.39	
			<i>For 6 Gauge Fabric, Add</i>	10.85	
			<i>For 1" Mesh Fabric, Add</i>	10.17	
			<i>For 1-1/4" Mesh Fabric, Add</i>	6.78	
			<i>For 1-3/4" Mesh Fabric, Add</i>	4.07	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.03	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.71	
32 31	13 13-0179	LF	14' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	30.20	7.82
			<i>For 1-1/4" Mesh Fabric, Add</i>	4.08	
			<i>For 2 Oz Galvanized Or Zinc Coating, Add</i>	3.64	
			<i>For 13 Gauge Fabric, Deduct</i>	-6.56	
			<i>For 11 Gauge Fabric, Deduct</i>	-3.64	
			<i>For 6 Gauge Fabric, Add</i>	11.66	
			<i>For 1" Mesh Fabric, Add</i>	10.93	
			<i>For 1-1/4" Mesh Fabric, Add</i>	7.29	
			<i>For 1-3/4" Mesh Fabric, Add</i>	4.37	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.19	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0180	LF	16'	Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	33.43	8.93
			For 1-1/4" Mesh Fabric, Add	4.36	
			For 2 Oz Galvanized Or Zinc Coating, Add	3.89	
			For 13 Gauge Fabric, Deduct	-7.01	
			For 11 Gauge Fabric, Deduct	-3.89	
			For 6 Gauge Fabric, Add	12.46	
			For 1" Mesh Fabric, Add	11.68	
			For 1-1/4" Mesh Fabric, Add	7.79	
			For 1-3/4" Mesh Fabric, Add	4.67	
			For 2-1/8" Mesh Fabric, Deduct	-2.34	
			For 2-3/8" Mesh Fabric, Deduct	-3.11	
32 31 13 13-0181	SF	>16'	Full Height Fabric Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	2.08	0.52
			For 1-1/4" Mesh Fabric, Add	0.27	
			For 2 Oz Galvanized Or Zinc Coating, Add	0.24	
			For 13 Gauge Fabric, Deduct	-0.44	
			For 11 Gauge Fabric, Deduct	-0.24	
			For 6 Gauge Fabric, Add	0.78	
			For 1" Mesh Fabric, Add	0.73	
			For 1-1/4" Mesh Fabric, Add	0.49	
			For 1-3/4" Mesh Fabric, Add	0.29	
			For 2-1/8" Mesh Fabric, Deduct	-0.15	
			For 2-3/8" Mesh Fabric, Deduct	-0.19	
<b>32 31 13 13-0182</b>			<b>Fabric, Vinyl Coated Chain Link (32 31 13 13-0168)</b>		
32 31 13 13-0183	LF	4'	Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh .....	14.12	2.24
			For 1-1/4" Mesh Fabric, Add	1.61	
			For 13 Gauge Fabric, Deduct	-2.59	
			For 11 Gauge Fabric, Deduct	-1.44	
			For 6 Gauge Fabric, Add	4.60	
			For 1" Mesh Fabric, Add	4.31	
			For 1-1/4" Mesh Fabric, Add	2.88	
			For 1-3/4" Mesh Fabric, Add	1.73	
			For 2-1/8" Mesh Fabric, Deduct	-0.86	
			For 2-3/8" Mesh Fabric, Deduct	-1.15	
			For Aluminum Coated, Add	2.30	
32 31 13 13-0184	LF	5'	Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh .....	16.11	3.35
			For 1-1/4" Mesh Fabric, Add	2.01	
			For 13 Gauge Fabric, Deduct	-3.23	
			For 11 Gauge Fabric, Deduct	-1.80	
			For 6 Gauge Fabric, Add	5.74	
			For 1" Mesh Fabric, Add	5.39	
			For 1-1/4" Mesh Fabric, Add	3.59	
			For 1-3/4" Mesh Fabric, Add	2.15	
			For 2-1/8" Mesh Fabric, Deduct	-1.08	
			For 2-3/8" Mesh Fabric, Deduct	-1.44	
			For Aluminum Coated, Add	2.87	
32 31 13 13-0185	LF	6'	Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh .....	19.65	3.91
			For 1-1/4" Mesh Fabric, Add	2.82	
			For 13 Gauge Fabric, Deduct	-4.54	
			For 11 Gauge Fabric, Deduct	-2.52	
			For 6 Gauge Fabric, Add	8.06	
			For 1" Mesh Fabric, Add	7.56	
			For 1-1/4" Mesh Fabric, Add	5.04	
			For 1-3/4" Mesh Fabric, Add	3.02	
			For 2-1/8" Mesh Fabric, Deduct	-1.51	
			For 2-3/8" Mesh Fabric, Deduct	-2.02	
			For Aluminum Coated, Add	4.03	
32 31 13 13-0186	LF	7'	Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh .....	22.03	4.47
			For 1-1/4" Mesh Fabric, Add	3.28	
			For 13 Gauge Fabric, Deduct	-5.28	
			For 11 Gauge Fabric, Deduct	-2.93	
			For 6 Gauge Fabric, Add	9.38	
			For 1" Mesh Fabric, Add	8.80	
			For 1-1/4" Mesh Fabric, Add	5.87	
			For 1-3/4" Mesh Fabric, Add	3.52	
			For 2-1/8" Mesh Fabric, Deduct	-1.76	
			For 2-3/8" Mesh Fabric, Deduct	-2.35	
			For Aluminum Coated, Add	4.69	
32 31 13 13-0187	LF	8'	Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh .....	24.68	5.58
			For 1-1/4" Mesh Fabric, Add	3.78	
			For 13 Gauge Fabric, Deduct	-6.08	
			For 11 Gauge Fabric, Deduct	-3.38	
			For 6 Gauge Fabric, Add	10.81	
			For 1" Mesh Fabric, Add	10.13	
			For 1-1/4" Mesh Fabric, Add	6.76	
			For 1-3/4" Mesh Fabric, Add	4.05	
			For 2-1/8" Mesh Fabric, Deduct	-2.03	
			For 2-3/8" Mesh Fabric, Deduct	-2.70	
			For Aluminum Coated, Add	5.40	
32 31 13 13-0188	LF	10'	Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh .....	29.14	6.14
			For 1-1/4" Mesh Fabric, Add	4.71	
			For 13 Gauge Fabric, Deduct	-7.56	
			For 11 Gauge Fabric, Deduct	-4.20	
			For 6 Gauge Fabric, Add	13.45	
			For 1" Mesh Fabric, Add	12.61	
			For 1-1/4" Mesh Fabric, Add	8.41	
			For 1-3/4" Mesh Fabric, Add	5.04	
			For 2-1/8" Mesh Fabric, Deduct	-2.52	
			For 2-3/8" Mesh Fabric, Deduct	-3.36	
			For Aluminum Coated, Add	6.72	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

32 31 13 13-0189	LF	12' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh .....	31.79	6.70
		<i>For 1-1/4" Mesh Fabric, Add</i>	5.15	
		<i>For 13 Gauge Fabric, Deduct</i>	-8.28	
		<i>For 11 Gauge Fabric, Deduct</i>	-4.60	
		<i>For 6 Gauge Fabric, Add</i>	14.71	
		<i>For 1" Mesh Fabric, Add</i>	13.79	
		<i>For 1-1/4" Mesh Fabric, Add</i>	9.20	
		<i>For 1-3/4" Mesh Fabric, Add</i>	5.52	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.76	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.68	
		<i>For Aluminum Coated, Add</i>	7.36	
32 31 13 13-0190	LF	14' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh .....	35.87	7.82
		<i>For 1-1/4" Mesh Fabric, Add</i>	5.67	
		<i>For 13 Gauge Fabric, Deduct</i>	-9.11	
		<i>For 11 Gauge Fabric, Deduct</i>	-5.06	
		<i>For 6 Gauge Fabric, Add</i>	16.19	
		<i>For 1" Mesh Fabric, Add</i>	15.18	
		<i>For 1-1/4" Mesh Fabric, Add</i>	10.12	
		<i>For 1-3/4" Mesh Fabric, Add</i>	6.07	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-3.04	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-4.05	
		<i>For Aluminum Coated, Add</i>	8.10	
32 31 13 13-0191	LF	16' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh .....	40.04	8.93
		<i>For 1-1/4" Mesh Fabric, Add</i>	6.21	
		<i>For 13 Gauge Fabric, Deduct</i>	-9.98	
		<i>For 11 Gauge Fabric, Deduct</i>	-5.55	
		<i>For 6 Gauge Fabric, Add</i>	17.74	
		<i>For 1" Mesh Fabric, Add</i>	16.64	
		<i>For 1-1/4" Mesh Fabric, Add</i>	11.09	
		<i>For 1-3/4" Mesh Fabric, Add</i>	6.65	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-3.33	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-4.44	
		<i>For Aluminum Coated, Add</i>	8.87	
32 31 13 13-0192	SF	>16' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh .....	2.50	0.52
		<i>For 1-1/4" Mesh Fabric, Add</i>	0.39	
		<i>For 13 Gauge Fabric, Deduct</i>	-0.63	
		<i>For 11 Gauge Fabric, Deduct</i>	-0.35	
		<i>For 6 Gauge Fabric, Add</i>	1.11	
		<i>For 1" Mesh Fabric, Add</i>	1.04	
		<i>For 1-1/4" Mesh Fabric, Add</i>	0.70	
		<i>For 1-3/4" Mesh Fabric, Add</i>	0.42	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-0.21	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-0.28	
		<i>For Aluminum Coated, Add</i>	0.56	

**32 31 13 13-0193 Fabric, Aluminized Steel Chain Link** (32 31 13 13-0168)

32 31 13 13-0194	LF	3' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh .....	10.64	2.24
		<i>For 6 Gauge Fabric, Add</i>	2.70	
		<i>For 1" Mesh Fabric, Add</i>	3.55	
32 31 13 13-0195	LF	3'-6" Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh .....	11.74	2.52
		<i>For 6 Gauge Fabric, Add</i>	3.14	
		<i>For 1" Mesh Fabric, Add</i>	4.12	
32 31 13 13-0196	LF	4' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh .....	12.86	2.79
		<i>For 6 Gauge Fabric, Add</i>	3.59	
		<i>For 1" Mesh Fabric, Add</i>	4.71	
32 31 13 13-0197	LF	5' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh .....	14.54	3.35
		<i>For 6 Gauge Fabric, Add</i>	4.49	
		<i>For 1" Mesh Fabric, Add</i>	5.89	
32 31 13 13-0198	LF	6' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh .....	16.28	3.91
		<i>For 6 Gauge Fabric, Add</i>	5.37	
		<i>For 1" Mesh Fabric, Add</i>	7.05	
32 31 13 13-0199	LF	7' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh .....	18.15	4.47
		<i>For 6 Gauge Fabric, Add</i>	6.28	
		<i>For 1" Mesh Fabric, Add</i>	8.24	
32 31 13 13-0200	LF	8' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh .....	20.13	5.58
		<i>For 6 Gauge Fabric, Add</i>	7.17	
		<i>For 1" Mesh Fabric, Add</i>	9.41	
32 31 13 13-0201	LF	10' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh .....	23.53	6.14
		<i>For 6 Gauge Fabric, Add</i>	8.96	
		<i>For 1" Mesh Fabric, Add</i>	11.76	
32 31 13 13-0202	LF	12' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh .....	26.84	6.70
		<i>For 6 Gauge Fabric, Add</i>	10.75	
		<i>For 1" Mesh Fabric, Add</i>	14.11	

**32 31 13 13-0203 Fabric, All Aluminum Chain Link** (32 31 13 13-0168)

32 31 13 13-0204	LF	3' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh .....	16.09	2.24
		<i>For 6 Gauge Fabric, Add</i>	7.06	
		<i>For 1" Mesh Fabric, Add</i>	9.27	
32 31 13 13-0205	LF	3'-6" Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh .....	18.12	2.52
		<i>For 6 Gauge Fabric, Add</i>	8.24	
		<i>For 1" Mesh Fabric, Add</i>	10.82	
32 31 13 13-0206	LF	4' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh .....	20.14	2.79
		<i>For 6 Gauge Fabric, Add</i>	9.42	
		<i>For 1" Mesh Fabric, Add</i>	12.36	
32 31 13 13-0207	LF	5' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh .....	23.64	3.35
		<i>For 6 Gauge Fabric, Add</i>	11.77	
		<i>For 1" Mesh Fabric, Add</i>	15.45	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0208	LF	6'	Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	27.23 14.13 18.54	3.91
32 31 13 13-0209	LF	7'	Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	30.90 16.48 21.63	4.47
32 31 13 13-0210	LF	8'	Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	34.71 18.83 24.72	5.58
32 31 13 13-0211	LF	10'	Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	41.76 23.54 30.90	6.14
32 31 13 13-0212	LF	12'	Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	48.71 28.25 37.08	6.70
<b>32 31 13 13-0213</b>			<b>Fence Inserts</b> (32 31 13 13-0168) Note: For use with new or existing chain link fence, per lf of fence.		
<b>32 31 13 13-0214</b>			<b>Vinyl Plastic Fence Inserts</b> (32 31 13 13-0213) Note: Assorted colors.		
32 31 13 13-0215	LF	3'	High Fence, Vinyl Plastic Fence Insert.....	8.07	
32 31 13 13-0216	LF	3-1/2'	High Fence, Vinyl Plastic Fence Insert .....	9.22	
32 31 13 13-0217	LF	4'	High Fence, Vinyl Plastic Fence Insert.....	10.16	
32 31 13 13-0218	LF	5'	High Fence, Vinyl Plastic Fence Insert.....	12.75	
32 31 13 13-0219	LF	6'	High Fence, Vinyl Plastic Fence Insert.....	15.25	
32 31 13 13-0220	LF	7'	High Fence, Vinyl Plastic Fence Insert.....	17.84	
32 31 13 13-0221	LF	8'	High Fence, Vinyl Plastic Fence Insert.....	20.34	
32 31 13 13-0222	LF	10'	High Fence, Vinyl Plastic Fence Insert.....	24.64	
<b>32 31 13 13-0223</b>			<b>Aluminum Fence Inserts</b> (32 31 13 13-0213) Note: Assorted colors.		
32 31 13 13-0224	LF	3'	High Fence, Aluminum Fence Insert.....	21.67	
32 31 13 13-0225	LF	3-1/2'	High Fence, Aluminum Fence Insert.....	23.84	
32 31 13 13-0226	LF	4'	High Fence, Aluminum Fence Insert.....	27.36	
32 31 13 13-0227	LF	5'	High Fence, Aluminum Fence Insert.....	34.24	
32 31 13 13-0228	LF	6'	High Fence, Aluminum Fence Insert.....	41.09	
32 31 13 13-0229	LF	7'	High Fence, Aluminum Fence Insert.....	44.97	
32 31 13 13-0230	LF	8'	High Fence, Aluminum Fence Insert.....	54.77	
32 31 13 13-0231	LF	10'	High Fence, Aluminum Fence Insert.....	67.71	
<b>32 31 13 13-0232</b>			<b>Redwood Fence Inserts</b> (32 31 13 13-0213)		
32 31 13 13-0233	LF	4'	High Fence, Redwood Fence Insert.....	12.82	
32 31 13 13-0234	LF	5'	High Fence, Redwood Fence Insert.....	16.21	
32 31 13 13-0235	LF	6'	High Fence, Redwood Fence Insert.....	19.47	
32 31 13 13-0236	LF	7'	High Fence, Redwood Fence Insert.....	22.66	
32 31 13 13-0237	LF	8'	High Fence, Redwood Fence Insert.....	25.94	
<b>32 31 13 13-0238</b>			<b>Diagonal Flexible Polyethylene Inserts</b> (32 31 13 13-0213)		
32 31 13 13-0239	SF		Diagonal Polyethylene Fence Weave.....	3.22	
<b>32 31 13 13-0240</b>			<b>Hedge Link Fence Inserts</b> (32 31 13 13-0213)		
32 31 13 13-0241	LF	3'	High Fence, Hedge Link Fence Insert.....	17.11	
32 31 13 13-0242	LF	3-1/2'	High Fence, Hedge Link Fence Insert.....	19.48	
32 31 13 13-0243	LF	4'	High Fence, Hedge Link Fence Insert.....	22.87	
32 31 13 13-0244	LF	5'	High Fence, Hedge Link Fence Insert.....	28.21	
32 31 13 13-0245	LF	6'	High Fence, Hedge Link Fence Insert.....	32.31	
32 31 13 13-0246	LF	7'	High Fence, Hedge Link Fence Insert.....	40.75	
32 31 13 13-0247	LF	8'	High Fence, Hedge Link Fence Insert.....	46.28	
32 31 13 13-0248	LF	10'	High Fence, Hedge Link Fence Insert.....	55.28	
<b>32 31 13 13-0249</b>			<b>Fence Windscreen Fabric</b> (32 31 13 13-0168) Note: Includes plastic wire clips.		
32 31 13 13-0250	SF		Vinyl Coated Polyester Windscreen For Fence, 7 Oz Per SY..... <i>For Sewn Boxed Vent (Each), Add</i> <i>For Welded Boxed Vent (Each), Add</i> <i>For 4' x 4' One Color Logo (Each), Add</i>	1.10 22.74 11.37 473.68	0.50
<b>32 31 13 13-0251</b>			<b>Non-Climbable Fabric, Galvanized Chain Link</b> (32 31 13 13-0168)		
32 31 13 13-0252	LF	3'	Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh..... <i>For 11 Gauge, Deduct</i> <i>For 10 Gauge, Deduct</i> <i>For 7 Gauge, Add</i> <i>For 6 Gauge, Add</i> <i>For 1/2" Mesh Fabric, Deduct</i> <i>For 5/8" Mesh Fabric, Deduct</i> <i>For 3/4" Mesh Fabric, Deduct</i>	27.37 -4.02 -1.61 2.41 5.63 -1.01 -2.21 -3.22	2.24

**32 Exterior Improvements**

**32 30 Site Improvements**

**32 31 Fences and Gates**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 31 13 13-0253	LF 3'-6" Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh.....	31.28	2.52
	For 11 Gauge, Deduct	-4.69	
	For 10 Gauge, Deduct	-1.88	
	For 7 Gauge, Add	2.82	
	For 6 Gauge, Add	6.57	
	For 1/2" Mesh Fabric, Deduct	-1.17	
	For 5/8" Mesh Fabric, Deduct	-2.58	
	For 3/4" Mesh Fabric, Deduct	-3.75	
32 31 13 13-0254	LF 4' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh .....	35.21	2.79
	For 11 Gauge, Deduct	-5.37	
	For 10 Gauge, Deduct	-2.15	
	For 7 Gauge, Add	3.22	
	For 6 Gauge, Add	7.52	
	For 1/2" Mesh Fabric, Deduct	-1.34	
	For 5/8" Mesh Fabric, Deduct	-2.95	
	For 3/4" Mesh Fabric, Deduct	-4.29	
32 31 13 13-0255	LF 5' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh .....	42.46	3.35
	For 11 Gauge, Deduct	-6.71	
	For 10 Gauge, Deduct	-2.68	
	For 7 Gauge, Add	4.02	
	For 6 Gauge, Add	9.39	
	For 1/2" Mesh Fabric, Deduct	-1.68	
	For 5/8" Mesh Fabric, Deduct	-3.69	
	For 3/4" Mesh Fabric, Deduct	-5.36	
32 31 13 13-0256	LF 6' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh .....	49.79	3.91
	For 11 Gauge, Deduct	-8.04	
	For 10 Gauge, Deduct	-3.22	
	For 7 Gauge, Add	4.83	
	For 6 Gauge, Add	11.26	
	For 1/2" Mesh Fabric, Deduct	-2.01	
	For 5/8" Mesh Fabric, Deduct	-4.42	
	For 3/4" Mesh Fabric, Deduct	-6.44	
32 31 13 13-0257	LF 7' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh .....	57.23	4.47
	For 11 Gauge, Deduct	-9.39	
	For 10 Gauge, Deduct	-3.75	
	For 7 Gauge, Add	5.63	
	For 6 Gauge, Add	13.14	
	For 1/2" Mesh Fabric, Deduct	-2.35	
	For 5/8" Mesh Fabric, Deduct	-5.16	
	For 3/4" Mesh Fabric, Deduct	-7.51	
32 31 13 13-0258	LF 8' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh .....	64.81	5.58
	For 11 Gauge, Deduct	-10.73	
	For 10 Gauge, Deduct	-4.29	
	For 7 Gauge, Add	6.44	
	For 6 Gauge, Add	15.02	
	For 1/2" Mesh Fabric, Deduct	-2.68	
	For 5/8" Mesh Fabric, Deduct	-5.90	
	For 3/4" Mesh Fabric, Deduct	-8.58	
32 31 13 13-0259	LF 9' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh .....	71.44	5.86
	For 11 Gauge, Deduct	-11.94	
	For 10 Gauge, Deduct	-4.78	
	For 7 Gauge, Add	7.17	
	For 6 Gauge, Add	16.72	
	For 1/2" Mesh Fabric, Deduct	-2.99	
	For 5/8" Mesh Fabric, Deduct	-6.57	
	For 3/4" Mesh Fabric, Deduct	-9.55	
32 31 13 13-0260	LF 10' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh .....	78.10	6.14
	For 11 Gauge, Deduct	-13.15	
	For 10 Gauge, Deduct	-5.26	
	For 7 Gauge, Add	7.89	
	For 6 Gauge, Add	18.42	
	For 1/2" Mesh Fabric, Deduct	-3.29	
	For 5/8" Mesh Fabric, Deduct	-7.23	
	For 3/4" Mesh Fabric, Deduct	-10.52	
32 31 13 13-0261	LF 12' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh .....	84.70	6.70
	For 11 Gauge, Deduct	-14.26	
	For 10 Gauge, Deduct	-5.70	
	For 7 Gauge, Add	8.56	
	For 6 Gauge, Add	19.96	
	For 1/2" Mesh Fabric, Deduct	-3.57	
	For 5/8" Mesh Fabric, Deduct	-7.84	
	For 3/4" Mesh Fabric, Deduct	-11.41	

**32 31 13 13-0262 Gates** (32 31 13 13)

Note: Posts exclude drilling or augering in soil or rock. For barbed wire attached directly to posts and gates, select gates and posts sizes for full finished height of gate above grade (top rail to be at lower height, includes barb wire at top area where mesh would be). See CSI section 08 78 00 00-0001 for padlocks, 08 78 00 00-0002 for padlocks, 32 31 13 13-0001 for drilling for augering holes and backfill.

**32 31 13 13-0263 Galvanized Steel Without Barbed Wire** (32 31 13 13-0262)

Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter for > 6' To 12' wide, 6-5/8" diameter for >12' To 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.

**32 31 13 13-0264 4' Fence Height** (32 31 13 13-0263)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13	13-0265	EA 3' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire .....	341.67	21.75
			For Gate With Single Barb Wire Arm, Add	30.11	
			For Gate With Double Barb Wire Arm, Add	43.79	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-51.32	
			For Aluminized Steel Gate And Post, Add	131.38	
			For Powder Coated Gate And Post, Add	71.16	
			For 1" Mesh Fabric, Add	119.06	
			For 1-1/4" Mesh Fabric, Add	76.64	
			For 1-3/4" Mesh Fabric, Add	47.63	
			For 2-1/8" Mesh Fabric, Deduct	-23.81	
32 31	13	13-0266	EA 4' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire .....	432.91	22.66
			For Gate With Single Barb Wire Arm, Add	40.14	
			For Gate With Double Barb Wire Arm, Add	58.39	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-68.43	
			For Aluminized Steel Gate And Post, Add	175.18	
			For Powder Coated Gate And Post, Add	94.89	
			For 1" Mesh Fabric, Add	158.75	
			For 1-1/4" Mesh Fabric, Add	102.19	
			For 1-3/4" Mesh Fabric, Add	63.50	
			For 2-1/8" Mesh Fabric, Deduct	-31.75	
32 31	13	13-0267	EA 5' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire .....	513.11	24.11
			For Gate With Single Barb Wire Arm, Add	48.47	
			For Gate With Double Barb Wire Arm, Add	70.50	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-82.61	
			For Aluminized Steel Gate And Post, Add	211.49	
			For Powder Coated Gate And Post, Add	114.56	
			For 1" Mesh Fabric, Add	191.67	
			For 1-1/4" Mesh Fabric, Add	123.37	
			For 1-3/4" Mesh Fabric, Add	76.67	
			For 2-1/8" Mesh Fabric, Deduct	-38.33	
32 31	13	13-0268	EA 6' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire .....	603.28	28.99
			For Gate With Single Barb Wire Arm, Add	56.79	
			For Gate With Double Barb Wire Arm, Add	82.60	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-96.80	
			For Aluminized Steel Gate And Post, Add	247.81	
			For Powder Coated Gate And Post, Add	134.23	
			For 1" Mesh Fabric, Add	224.58	
			For 1-1/4" Mesh Fabric, Add	144.56	
			For 1-3/4" Mesh Fabric, Add	89.83	
			For 2-1/8" Mesh Fabric, Deduct	-44.92	
32 31	13	13-0269	EA 7' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire .....	693.43	33.80
			For Gate With Single Barb Wire Arm, Add	65.11	
			For Gate With Double Barb Wire Arm, Add	94.71	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-110.99	
			For Aluminized Steel Gate And Post, Add	284.13	
			For Powder Coated Gate And Post, Add	153.90	
			For 1" Mesh Fabric, Add	257.49	
			For 1-1/4" Mesh Fabric, Add	165.74	
			For 1-3/4" Mesh Fabric, Add	103.00	
			For 2-1/8" Mesh Fabric, Deduct	-51.50	
32 31	13	13-0270	EA 8' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire .....	786.70	38.60
			For Gate With Single Barb Wire Arm, Add	73.78	
			For Gate With Double Barb Wire Arm, Add	107.31	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-125.76	
			For Aluminized Steel Gate And Post, Add	321.94	
			For Powder Coated Gate And Post, Add	174.38	
			For 1" Mesh Fabric, Add	291.76	
			For 1-1/4" Mesh Fabric, Add	187.80	
			For 1-3/4" Mesh Fabric, Add	116.70	
			For 2-1/8" Mesh Fabric, Deduct	-58.35	
32 31	13	13-0271	EA 9' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire .....	876.85	43.49
			For Gate With Single Barb Wire Arm, Add	82.10	
			For Gate With Double Barb Wire Arm, Add	119.42	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-139.94	
			For Aluminized Steel Gate And Post, Add	358.26	
			For Powder Coated Gate And Post, Add	194.06	
			For 1" Mesh Fabric, Add	324.67	
			For 1-1/4" Mesh Fabric, Add	208.98	
			For 1-3/4" Mesh Fabric, Add	129.87	
			For 2-1/8" Mesh Fabric, Deduct	-64.93	
32 31	13	13-0272	EA 10' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire .....	968.34	48.30
			For Gate With Single Barb Wire Arm, Add	90.57	
			For Gate With Double Barb Wire Arm, Add	131.74	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-154.38	
			For Aluminized Steel Gate And Post, Add	395.21	
			For Powder Coated Gate And Post, Add	214.07	
			For 1" Mesh Fabric, Add	358.16	
			For 1-1/4" Mesh Fabric, Add	230.54	
			For 1-3/4" Mesh Fabric, Add	143.26	
			For 2-1/8" Mesh Fabric, Deduct	-71.63	
32 31	13	13-0273	EA 10' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire .....	1,239.83	48.30
			For Gate With Single Barb Wire Arm, Add	120.43	
			For Gate With Double Barb Wire Arm, Add	175.18	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-205.28	
			For Aluminized Steel Gate And Post, Add	525.53	
			For Powder Coated Gate And Post, Add	284.66	
			For 1" Mesh Fabric, Add	476.26	
			For 1-1/4" Mesh Fabric, Add	306.56	
			For 1-3/4" Mesh Fabric, Add	190.50	
			For 2-1/8" Mesh Fabric, Deduct	-95.25	

**32 Exterior Improvements**

**32 30 Site Improvements**

**32 31 Fences and Gates**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 31 13 13-0274	EA 12' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire .....	1,469.16	51.74
	For Gate With Single Barb Wire Arm, Add	144.52	
	For Gate With Double Barb Wire Arm, Add	210.21	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-246.34	
	For Aluminized Steel Gate And Post, Add	630.63	
	For Powder Coated Gate And Post, Add	341.59	
	For 1" Mesh Fabric, Add	571.51	
	For 1-1/4" Mesh Fabric, Add	367.87	
	For 1-3/4" Mesh Fabric, Add	228.60	
	For 2-1/8" Mesh Fabric, Deduct	-114.30	
32 31 13 13-0275	EA 14' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire .....	1,700.08	55.73
	For Gate With Single Barb Wire Arm, Add	168.61	
	For Gate With Double Barb Wire Arm, Add	245.25	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-287.40	
	For Aluminized Steel Gate And Post, Add	735.74	
	For Powder Coated Gate And Post, Add	398.53	
	For 1" Mesh Fabric, Add	666.76	
	For 1-1/4" Mesh Fabric, Add	429.18	
	For 1-3/4" Mesh Fabric, Add	266.71	
	For 2-1/8" Mesh Fabric, Deduct	-133.35	
32 31 13 13-0276	EA 16' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire .....	1,933.00	60.35
	For Gate With Single Barb Wire Arm, Add	192.69	
	For Gate With Double Barb Wire Arm, Add	280.28	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-328.46	
	For Aluminized Steel Gate And Post, Add	840.84	
	For Powder Coated Gate And Post, Add	455.46	
	For 1" Mesh Fabric, Add	762.02	
	For 1-1/4" Mesh Fabric, Add	490.49	
	For 1-3/4" Mesh Fabric, Add	304.81	
	For 2-1/8" Mesh Fabric, Deduct	-152.40	
32 31 13 13-0277	EA 18' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire .....	2,201.03	76.65
	For Gate With Single Barb Wire Arm, Add	216.78	
	For Gate With Double Barb Wire Arm, Add	315.32	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-369.51	
	For Aluminized Steel Gate And Post, Add	945.95	
	For Powder Coated Gate And Post, Add	512.39	
	For 1" Mesh Fabric, Add	857.27	
	For 1-1/4" Mesh Fabric, Add	551.80	
	For 1-3/4" Mesh Fabric, Add	342.91	
	For 2-1/8" Mesh Fabric, Deduct	-171.45	
32 31 13 13-0278	EA 20' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire .....	2,436.46	82.16
	For Gate With Single Barb Wire Arm, Add	240.87	
	For Gate With Double Barb Wire Arm, Add	350.35	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-410.57	
	For Aluminized Steel Gate And Post, Add	1,051.06	
	For Powder Coated Gate And Post, Add	569.32	
	For 1" Mesh Fabric, Add	952.52	
	For 1-1/4" Mesh Fabric, Add	613.12	
	For 1-3/4" Mesh Fabric, Add	381.01	
	For 2-1/8" Mesh Fabric, Deduct	-190.50	
32 31 13 13-0279	EA 22' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire .....	2,669.05	88.52
	For Gate With Single Barb Wire Arm, Add	264.37	
	For Gate With Double Barb Wire Arm, Add	384.53	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-450.62	
	For Aluminized Steel Gate And Post, Add	1,153.59	
	For Powder Coated Gate And Post, Add	624.86	
	For 1" Mesh Fabric, Add	1,045.44	
	For 1-1/4" Mesh Fabric, Add	672.93	
	For 1-3/4" Mesh Fabric, Add	418.18	
	For 2-1/8" Mesh Fabric, Deduct	-209.09	
32 31 13 13-0280	EA 24' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire .....	2,904.83	95.87
	For Gate With Single Barb Wire Arm, Add	287.86	
	For Gate With Double Barb Wire Arm, Add	418.71	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-490.68	
	For Aluminized Steel Gate And Post, Add	1,256.14	
	For Powder Coated Gate And Post, Add	680.41	
	For 1" Mesh Fabric, Add	1,138.37	
	For 1-1/4" Mesh Fabric, Add	732.75	
	For 1-3/4" Mesh Fabric, Add	455.35	
	For 2-1/8" Mesh Fabric, Deduct	-227.67	
32 31 13 13-0281	EA 26' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire .....	3,144.63	104.61
	For Gate With Single Barb Wire Arm, Add	311.36	
	For Gate With Double Barb Wire Arm, Add	452.89	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-530.73	
	For Aluminized Steel Gate And Post, Add	1,358.68	
	For Powder Coated Gate And Post, Add	735.95	
	For 1" Mesh Fabric, Add	1,231.30	
	For 1-1/4" Mesh Fabric, Add	792.56	
	For 1-3/4" Mesh Fabric, Add	492.52	
	For 2-1/8" Mesh Fabric, Deduct	-246.26	
32 31 13 13-0282	EA 28' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire .....	3,309.56	115.08
	For Gate With Single Barb Wire Arm, Add	326.05	
	For Gate With Double Barb Wire Arm, Add	474.26	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-555.77	
	For Aluminized Steel Gate And Post, Add	1,422.77	
	For Powder Coated Gate And Post, Add	770.67	
	For 1" Mesh Fabric, Add	1,289.38	
	For 1-1/4" Mesh Fabric, Add	829.95	
	For 1-3/4" Mesh Fabric, Add	515.75	
	For 2-1/8" Mesh Fabric, Deduct	-257.88	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0283	EA	30' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	3,668.37	127.82
			<i>For Gate With Single Barb Wire Arm, Add</i>	361.30	
			<i>For Gate With Double Barb Wire Arm, Add</i>	525.53	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-615.85	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,576.58	
			<i>For Powder Coated Gate And Post, Add</i>	853.98	
			<i>For 1" Mesh Fabric, Add</i>	1,428.77	
			<i>For 1-1/4" Mesh Fabric, Add</i>	919.67	
			<i>For 1-3/4" Mesh Fabric, Add</i>	571.51	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-285.75	
<b>32 31 13</b>	<b>13-0284</b>		<b>5' Fence Height <small>(32 31 13 13-0263)</small></b>		
32 31 13	13-0285	EA	3' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	410.75	24.11
			<i>For Gate With Single Barb Wire Arm, Add</i>	37.21	
			<i>For Gate With Double Barb Wire Arm, Add</i>	54.12	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-63.42	
			<i>For Aluminized Steel Gate And Post, Add</i>	162.36	
			<i>For Powder Coated Gate And Post, Add</i>	87.95	
			<i>For 1" Mesh Fabric, Add</i>	147.14	
			<i>For 1-1/4" Mesh Fabric, Add</i>	94.71	
			<i>For 1-3/4" Mesh Fabric, Add</i>	58.86	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-29.43	
32 31 13	13-0286	EA	4' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	522.01	24.11
			<i>For Gate With Single Barb Wire Arm, Add</i>	49.45	
			<i>For Gate With Double Barb Wire Arm, Add</i>	71.92	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-84.28	
			<i>For Aluminized Steel Gate And Post, Add</i>	215.76	
			<i>For Powder Coated Gate And Post, Add</i>	116.87	
			<i>For 1" Mesh Fabric, Add</i>	195.54	
			<i>For 1-1/4" Mesh Fabric, Add</i>	125.86	
			<i>For 1-3/4" Mesh Fabric, Add</i>	78.21	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-39.11	
32 31 13	13-0287	EA	5' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	611.11	25.64
			<i>For Gate With Single Barb Wire Arm, Add</i>	58.75	
			<i>For Gate With Double Barb Wire Arm, Add</i>	85.45	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-100.14	
			<i>For Aluminized Steel Gate And Post, Add</i>	256.35	
			<i>For Powder Coated Gate And Post, Add</i>	138.86	
			<i>For 1" Mesh Fabric, Add</i>	232.32	
			<i>For 1-1/4" Mesh Fabric, Add</i>	149.54	
			<i>For 1-3/4" Mesh Fabric, Add</i>	92.93	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-46.46	
32 31 13	13-0288	EA	6' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	715.52	30.81
			<i>For Gate With Single Barb Wire Arm, Add</i>	68.54	
			<i>For Gate With Double Barb Wire Arm, Add</i>	99.69	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-116.83	
			<i>For Aluminized Steel Gate And Post, Add</i>	299.08	
			<i>For Powder Coated Gate And Post, Add</i>	162.00	
			<i>For 1" Mesh Fabric, Add</i>	271.04	
			<i>For 1-1/4" Mesh Fabric, Add</i>	174.46	
			<i>For 1-3/4" Mesh Fabric, Add</i>	108.42	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-54.21	
32 31 13	13-0289	EA	7' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	811.03	35.89
			<i>For Gate With Single Barb Wire Arm, Add</i>	77.35	
			<i>For Gate With Double Barb Wire Arm, Add</i>	112.51	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-131.85	
			<i>For Aluminized Steel Gate And Post, Add</i>	337.53	
			<i>For Powder Coated Gate And Post, Add</i>	182.83	
			<i>For 1" Mesh Fabric, Add</i>	305.89	
			<i>For 1-1/4" Mesh Fabric, Add</i>	196.89	
			<i>For 1-3/4" Mesh Fabric, Add</i>	122.36	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-61.18	
32 31 13	13-0290	EA	8' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	916.36	41.32
			<i>For Gate With Single Barb Wire Arm, Add</i>	87.14	
			<i>For Gate With Double Barb Wire Arm, Add</i>	126.75	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-148.54	
			<i>For Aluminized Steel Gate And Post, Add</i>	380.26	
			<i>For Powder Coated Gate And Post, Add</i>	205.97	
			<i>For 1" Mesh Fabric, Add</i>	344.61	
			<i>For 1-1/4" Mesh Fabric, Add</i>	221.82	
			<i>For 1-3/4" Mesh Fabric, Add</i>	137.84	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-68.92	
32 31 13	13-0291	EA	9' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	1,016.32	46.49
			<i>For Gate With Single Barb Wire Arm, Add</i>	96.44	
			<i>For Gate With Double Barb Wire Arm, Add</i>	140.28	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-164.39	
			<i>For Aluminized Steel Gate And Post, Add</i>	420.85	
			<i>For Powder Coated Gate And Post, Add</i>	227.96	
			<i>For 1" Mesh Fabric, Add</i>	381.39	
			<i>For 1-1/4" Mesh Fabric, Add</i>	245.50	
			<i>For 1-3/4" Mesh Fabric, Add</i>	152.56	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-76.28	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

32 31 13 13-0292	EA	10' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	1,116.28	51.56
		For Gate With Single Barb Wire Arm, Add	105.75	
		For Gate With Double Barb Wire Arm, Add	153.81	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-180.25	
		For Aluminized Steel Gate And Post, Add	461.44	
		For Powder Coated Gate And Post, Add	249.95	
		For 1" Mesh Fabric, Add	418.18	
		For 1-1/4" Mesh Fabric, Add	269.17	
		For 1-3/4" Mesh Fabric, Add	167.27	
		For 2-1/8" Mesh Fabric, Deduct	-83.64	
32 31 13 13-0293	EA	10' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire .....	1,511.88	51.74
		For Gate With Single Barb Wire Arm, Add	149.22	
		For Gate With Double Barb Wire Arm, Add	217.05	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-254.35	
		For Aluminized Steel Gate And Post, Add	651.14	
		For Powder Coated Gate And Post, Add	352.70	
		For 1" Mesh Fabric, Add	590.09	
		For 1-1/4" Mesh Fabric, Add	379.83	
		For 1-3/4" Mesh Fabric, Add	236.04	
		For 2-1/8" Mesh Fabric, Deduct	-118.02	
32 31 13 13-0294	EA	12' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire .....	1,796.21	55.73
		For Gate With Single Barb Wire Arm, Add	179.18	
		For Gate With Double Barb Wire Arm, Add	260.63	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-305.42	
		For Aluminized Steel Gate And Post, Add	781.88	
		For Powder Coated Gate And Post, Add	423.52	
		For 1" Mesh Fabric, Add	708.58	
		For 1-1/4" Mesh Fabric, Add	456.10	
		For 1-3/4" Mesh Fabric, Add	283.43	
		For 2-1/8" Mesh Fabric, Deduct	-141.72	
32 31 13 13-0295	EA	14' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire .....	2,082.54	60.35
		For Gate With Single Barb Wire Arm, Add	209.14	
		For Gate With Double Barb Wire Arm, Add	304.21	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-356.49	
		For Aluminized Steel Gate And Post, Add	912.62	
		For Powder Coated Gate And Post, Add	494.34	
		For 1" Mesh Fabric, Add	827.07	
		For 1-1/4" Mesh Fabric, Add	532.36	
		For 1-3/4" Mesh Fabric, Add	330.83	
		For 2-1/8" Mesh Fabric, Deduct	-165.41	
32 31 13 13-0296	EA	16' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire .....	2,403.97	76.65
		For Gate With Single Barb Wire Arm, Add	239.10	
		For Gate With Double Barb Wire Arm, Add	347.79	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-407.56	
		For Aluminized Steel Gate And Post, Add	1,043.36	
		For Powder Coated Gate And Post, Add	565.15	
		For 1" Mesh Fabric, Add	945.55	
		For 1-1/4" Mesh Fabric, Add	608.63	
		For 1-3/4" Mesh Fabric, Add	378.22	
		For 2-1/8" Mesh Fabric, Deduct	-189.11	
32 31 13 13-0297	EA	18' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire .....	2,687.47	82.16
		For Gate With Single Barb Wire Arm, Add	268.48	
		For Gate With Double Barb Wire Arm, Add	390.51	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-457.63	
		For Aluminized Steel Gate And Post, Add	1,171.54	
		For Powder Coated Gate And Post, Add	634.58	
		For 1" Mesh Fabric, Add	1,061.71	
		For 1-1/4" Mesh Fabric, Add	683.40	
		For 1-3/4" Mesh Fabric, Add	424.68	
		For 2-1/8" Mesh Fabric, Deduct	-212.34	
32 31 13 13-0298	EA	20' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire .....	2,984.16	88.52
		For Gate With Single Barb Wire Arm, Add	299.03	
		For Gate With Double Barb Wire Arm, Add	434.95	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-509.71	
		For Aluminized Steel Gate And Post, Add	1,304.85	
		For Powder Coated Gate And Post, Add	706.79	
		For 1" Mesh Fabric, Add	1,182.52	
		For 1-1/4" Mesh Fabric, Add	761.16	
		For 1-3/4" Mesh Fabric, Add	473.01	
		For 2-1/8" Mesh Fabric, Deduct	-236.50	
32 31 13 13-0299	EA	22' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire .....	3,278.68	95.87
		For Gate With Single Barb Wire Arm, Add	328.99	
		For Gate With Double Barb Wire Arm, Add	478.53	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-560.78	
		For Aluminized Steel Gate And Post, Add	1,435.58	
		For Powder Coated Gate And Post, Add	777.61	
		For 1" Mesh Fabric, Add	1,301.00	
		For 1-1/4" Mesh Fabric, Add	837.42	
		For 1-3/4" Mesh Fabric, Add	520.40	
		For 2-1/8" Mesh Fabric, Deduct	-260.20	
32 31 13 13-0300	EA	24' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire .....	3,571.89	104.61
		For Gate With Single Barb Wire Arm, Add	358.36	
		For Gate With Double Barb Wire Arm, Add	521.25	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-610.85	
		For Aluminized Steel Gate And Post, Add	1,563.76	
		For Powder Coated Gate And Post, Add	847.04	
		For 1" Mesh Fabric, Add	1,417.16	
		For 1-1/4" Mesh Fabric, Add	912.20	
		For 1-3/4" Mesh Fabric, Add	566.86	
		For 2-1/8" Mesh Fabric, Deduct	-283.43	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0301	EA		26' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	3,881.02	115.08
			For Gate With Single Barb Wire Arm, Add	388.91	
			For Gate With Double Barb Wire Arm, Add	565.69	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-662.92	
			For Aluminized Steel Gate And Post, Add	1,697.07	
			For Powder Coated Gate And Post, Add	919.25	
			For 1" Mesh Fabric, Add	1,537.97	
			For 1-1/4" Mesh Fabric, Add	989.96	
			For 1-3/4" Mesh Fabric, Add	615.19	
			For 2-1/8" Mesh Fabric, Deduct	-307.59	
32 31 13 13-0302	EA		28' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	4,188.40	127.82
			For Gate With Single Barb Wire Arm, Add	418.50	
			For Gate With Double Barb Wire Arm, Add	608.73	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-713.36	
			For Aluminized Steel Gate And Post, Add	1,826.19	
			For Powder Coated Gate And Post, Add	989.19	
			For 1" Mesh Fabric, Add	1,654.99	
			For 1-1/4" Mesh Fabric, Add	1,065.28	
			For 1-3/4" Mesh Fabric, Add	662.00	
			For 2-1/8" Mesh Fabric, Deduct	-331.00	
32 31 13 13-0303	EA		30' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	4,501.44	143.80
			For Gate With Single Barb Wire Arm, Add	447.66	
			For Gate With Double Barb Wire Arm, Add	651.14	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-763.06	
			For Aluminized Steel Gate And Post, Add	1,953.42	
			For Powder Coated Gate And Post, Add	1,058.10	
			For 1" Mesh Fabric, Add	1,770.29	
			For 1-1/4" Mesh Fabric, Add	1,139.50	
			For 1-3/4" Mesh Fabric, Add	708.12	
			For 2-1/8" Mesh Fabric, Deduct	-354.06	
<b>32 31 13 13-0304</b>			<b>6' Fence Height <small>(22 31 13 13-0263)</small></b>		
32 31 13 13-0305	EA		3' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	440.39	25.82
			For Gate With Single Barb Wire Arm, Add	39.90	
			For Gate With Double Barb Wire Arm, Add	58.04	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-68.01	
			For Aluminized Steel Gate And Post, Add	174.11	
			For Powder Coated Gate And Post, Add	94.31	
			For 1" Mesh Fabric, Add	157.78	
			For 1-1/4" Mesh Fabric, Add	101.56	
			For 1-3/4" Mesh Fabric, Add	63.11	
			For 2-1/8" Mesh Fabric, Deduct	-31.56	
32 31 13 13-0306	EA		4' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	560.56	25.82
			For Gate With Single Barb Wire Arm, Add	53.12	
			For Gate With Double Barb Wire Arm, Add	77.26	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-90.54	
			For Aluminized Steel Gate And Post, Add	231.79	
			For Powder Coated Gate And Post, Add	125.55	
			For 1" Mesh Fabric, Add	210.06	
			For 1-1/4" Mesh Fabric, Add	135.21	
			For 1-3/4" Mesh Fabric, Add	84.02	
			For 2-1/8" Mesh Fabric, Deduct	-42.01	
32 31 13 13-0307	EA		5' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	657.27	27.46
			For Gate With Single Barb Wire Arm, Add	63.23	
			For Gate With Double Barb Wire Arm, Add	91.97	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-107.78	
			For Aluminized Steel Gate And Post, Add	275.90	
			For Powder Coated Gate And Post, Add	149.45	
			For 1" Mesh Fabric, Add	250.04	
			For 1-1/4" Mesh Fabric, Add	160.94	
			For 1-3/4" Mesh Fabric, Add	100.02	
			For 2-1/8" Mesh Fabric, Deduct	-50.01	
32 31 13 13-0308	EA		6' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	762.82	33.17
			For Gate With Single Barb Wire Arm, Add	72.95	
			For Gate With Double Barb Wire Arm, Add	106.10	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-124.34	
			For Aluminized Steel Gate And Post, Add	318.31	
			For Powder Coated Gate And Post, Add	172.42	
			For 1" Mesh Fabric, Add	288.47	
			For 1-1/4" Mesh Fabric, Add	185.68	
			For 1-3/4" Mesh Fabric, Add	115.39	
			For 2-1/8" Mesh Fabric, Deduct	-57.69	
32 31 13 13-0309	EA		7' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	873.49	38.96
			For Gate With Single Barb Wire Arm, Add	83.23	
			For Gate With Double Barb Wire Arm, Add	121.06	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-141.86	
			For Aluminized Steel Gate And Post, Add	363.17	
			For Powder Coated Gate And Post, Add	196.72	
			For 1" Mesh Fabric, Add	329.12	
			For 1-1/4" Mesh Fabric, Add	211.85	
			For 1-3/4" Mesh Fabric, Add	131.65	
			For 2-1/8" Mesh Fabric, Deduct	-65.82	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 31 13 13-0310	EA	8' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire.....	978.81	44.40
		<i>For Gate With Single Barb Wire Arm, Add</i>	93.02	
		<i>For Gate With Double Barb Wire Arm, Add</i>	135.30	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-158.55	
		<i>For Aluminized Steel Gate And Post, Add</i>	405.89	
		<i>For Powder Coated Gate And Post, Add</i>	219.86	
		<i>For 1" Mesh Fabric, Add</i>	367.84	
		<i>For 1-1/4" Mesh Fabric, Add</i>	236.77	
		<i>For 1-3/4" Mesh Fabric, Add</i>	147.14	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-73.57	
32 31 13 13-0311	EA	9' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire.....	1,085.06	50.11
		<i>For Gate With Single Barb Wire Arm, Add</i>	102.81	
		<i>For Gate With Double Barb Wire Arm, Add</i>	149.54	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-175.24	
		<i>For Aluminized Steel Gate And Post, Add</i>	448.62	
		<i>For Powder Coated Gate And Post, Add</i>	243.00	
		<i>For 1" Mesh Fabric, Add</i>	406.56	
		<i>For 1-1/4" Mesh Fabric, Add</i>	261.70	
		<i>For 1-3/4" Mesh Fabric, Add</i>	162.63	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-81.31	
32 31 13 13-0312	EA	10' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire.....	1,151.21	55.82
		<i>For Gate With Single Barb Wire Arm, Add</i>	108.19	
		<i>For Gate With Double Barb Wire Arm, Add</i>	157.37	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-184.42	
		<i>For Aluminized Steel Gate And Post, Add</i>	472.12	
		<i>For Powder Coated Gate And Post, Add</i>	255.73	
		<i>For 1" Mesh Fabric, Add</i>	427.86	
		<i>For 1-1/4" Mesh Fabric, Add</i>	275.40	
		<i>For 1-3/4" Mesh Fabric, Add</i>	171.14	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-85.57	
32 31 13 13-0313	EA	10' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire .....	1,614.63	55.73
		<i>For Gate With Single Barb Wire Arm, Add</i>	159.21	
		<i>For Gate With Double Barb Wire Arm, Add</i>	231.57	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-271.38	
		<i>For Aluminized Steel Gate And Post, Add</i>	694.72	
		<i>For Powder Coated Gate And Post, Add</i>	376.31	
		<i>For 1" Mesh Fabric, Add</i>	629.59	
		<i>For 1-1/4" Mesh Fabric, Add</i>	405.26	
		<i>For 1-3/4" Mesh Fabric, Add</i>	251.84	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-125.92	
32 31 13 13-0314	EA	12' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire .....	1,916.97	60.35
		<i>For Gate With Single Barb Wire Arm, Add</i>	190.93	
		<i>For Gate With Double Barb Wire Arm, Add</i>	277.72	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-325.45	
		<i>For Aluminized Steel Gate And Post, Add</i>	833.15	
		<i>For Powder Coated Gate And Post, Add</i>	451.29	
		<i>For 1" Mesh Fabric, Add</i>	755.04	
		<i>For 1-1/4" Mesh Fabric, Add</i>	486.00	
		<i>For 1-3/4" Mesh Fabric, Add</i>	302.02	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-151.01	
32 31 13 13-0315	EA	14' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire .....	2,276.23	82.16
		<i>For Gate With Single Barb Wire Arm, Add</i>	223.24	
		<i>For Gate With Double Barb Wire Arm, Add</i>	324.72	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-380.53	
		<i>For Aluminized Steel Gate And Post, Add</i>	974.15	
		<i>For Powder Coated Gate And Post, Add</i>	527.66	
		<i>For 1" Mesh Fabric, Add</i>	882.82	
		<i>For 1-1/4" Mesh Fabric, Add</i>	568.25	
		<i>For 1-3/4" Mesh Fabric, Add</i>	353.13	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-176.56	
32 31 13 13-0316	EA	16' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire .....	2,583.60	88.52
		<i>For Gate With Single Barb Wire Arm, Add</i>	254.97	
		<i>For Gate With Double Barb Wire Arm, Add</i>	370.86	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-434.60	
		<i>For Aluminized Steel Gate And Post, Add</i>	1,112.58	
		<i>For Powder Coated Gate And Post, Add</i>	602.65	
		<i>For 1" Mesh Fabric, Add</i>	1,008.27	
		<i>For 1-1/4" Mesh Fabric, Add</i>	649.00	
		<i>For 1-3/4" Mesh Fabric, Add</i>	403.31	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-201.65	
32 31 13 13-0317	EA	18' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire .....	2,899.49	95.87
		<i>For Gate With Single Barb Wire Arm, Add</i>	287.28	
		<i>For Gate With Double Barb Wire Arm, Add</i>	417.86	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-489.68	
		<i>For Aluminized Steel Gate And Post, Add</i>	1,253.57	
		<i>For Powder Coated Gate And Post, Add</i>	679.02	
		<i>For 1" Mesh Fabric, Add</i>	1,136.05	
		<i>For 1-1/4" Mesh Fabric, Add</i>	731.25	
		<i>For 1-3/4" Mesh Fabric, Add</i>	454.42	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-227.21	
32 31 13 13-0318	EA	20' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire .....	3,219.40	104.61
		<i>For Gate With Single Barb Wire Arm, Add</i>	319.59	
		<i>For Gate With Double Barb Wire Arm, Add</i>	464.86	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-544.75	
		<i>For Aluminized Steel Gate And Post, Add</i>	1,394.57	
		<i>For Powder Coated Gate And Post, Add</i>	755.39	
		<i>For 1" Mesh Fabric, Add</i>	1,263.83	
		<i>For 1-1/4" Mesh Fabric, Add</i>	813.50	
		<i>For 1-3/4" Mesh Fabric, Add</i>	505.53	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-252.77	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0319	EA	22' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	3,539.21	115.08
			For Gate With Single Barb Wire Arm, Add	351.31	
			For Gate With Double Barb Wire Arm, Add	511.00	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-598.83	
			For Aluminized Steel Gate And Post, Add	1,533.00	
			For Powder Coated Gate And Post, Add	830.38	
			For 1" Mesh Fabric, Add	1,389.28	
			For 1-1/4" Mesh Fabric, Add	894.25	
			For 1-3/4" Mesh Fabric, Add	555.71	
			For 2-1/8" Mesh Fabric, Deduct	-277.86	
32 31 13	13-0320	EA	24' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	3,868.65	127.82
			For Gate With Single Barb Wire Arm, Add	383.33	
			For Gate With Double Barb Wire Arm, Add	557.57	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-653.40	
			For Aluminized Steel Gate And Post, Add	1,672.71	
			For Powder Coated Gate And Post, Add	906.05	
			For 1" Mesh Fabric, Add	1,515.90	
			For 1-1/4" Mesh Fabric, Add	975.75	
			For 1-3/4" Mesh Fabric, Add	606.36	
			For 2-1/8" Mesh Fabric, Deduct	-303.18	
32 31 13	13-0321	EA	26' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	4,204.49	143.80
			For Gate With Single Barb Wire Arm, Add	414.99	
			For Gate With Double Barb Wire Arm, Add	603.63	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-707.38	
			For Aluminized Steel Gate And Post, Add	1,810.89	
			For Powder Coated Gate And Post, Add	980.90	
			For 1" Mesh Fabric, Add	1,641.12	
			For 1-1/4" Mesh Fabric, Add	1,056.35	
			For 1-3/4" Mesh Fabric, Add	656.45	
			For 2-1/8" Mesh Fabric, Deduct	-328.22	
32 31 13	13-0322	EA	28' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	4,557.79	164.31
			For Gate With Single Barb Wire Arm, Add	447.07	
			For Gate With Double Barb Wire Arm, Add	650.29	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-762.05	
			For Aluminized Steel Gate And Post, Add	1,950.86	
			For Powder Coated Gate And Post, Add	1,056.72	
			For 1" Mesh Fabric, Add	1,767.97	
			For 1-1/4" Mesh Fabric, Add	1,138.00	
			For 1-3/4" Mesh Fabric, Add	707.19	
			For 2-1/8" Mesh Fabric, Deduct	-353.59	
32 31 13	13-0323	EA	30' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	4,932.18	191.73
			For Gate With Single Barb Wire Arm, Add	479.21	
			For Gate With Double Barb Wire Arm, Add	697.03	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-816.83	
			For Aluminized Steel Gate And Post, Add	2,091.09	
			For Powder Coated Gate And Post, Add	1,132.67	
			For 1" Mesh Fabric, Add	1,895.05	
			For 1-1/4" Mesh Fabric, Add	1,219.80	
			For 1-3/4" Mesh Fabric, Add	758.02	
			For 2-1/8" Mesh Fabric, Deduct	-379.01	
32 31 13	13-0324	7' Fence Height	(32 31 13 13-0263)		
32 31 13	13-0325	EA	3' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	461.95	27.81
			For Gate With Single Barb Wire Arm, Add	41.61	
			For Gate With Double Barb Wire Arm, Add	60.53	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-70.93	
			For Aluminized Steel Gate And Post, Add	181.58	
			For Powder Coated Gate And Post, Add	98.36	
			For 1" Mesh Fabric, Add	164.56	
			For 1-1/4" Mesh Fabric, Add	105.92	
			For 1-3/4" Mesh Fabric, Add	65.82	
			For 2-1/8" Mesh Fabric, Deduct	-32.91	
32 31 13	13-0326	EA	4' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	586.57	27.81
			For Gate With Single Barb Wire Arm, Add	55.32	
			For Gate With Double Barb Wire Arm, Add	80.47	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-94.30	
			For Aluminized Steel Gate And Post, Add	241.40	
			For Powder Coated Gate And Post, Add	130.76	
			For 1" Mesh Fabric, Add	218.77	
			For 1-1/4" Mesh Fabric, Add	140.82	
			For 1-3/4" Mesh Fabric, Add	87.51	
			For 2-1/8" Mesh Fabric, Deduct	-43.75	
32 31 13	13-0327	EA	5' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	691.76	29.27
			For Gate With Single Barb Wire Arm, Add	66.42	
			For Gate With Double Barb Wire Arm, Add	96.62	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-113.22	
			For Aluminized Steel Gate And Post, Add	289.85	
			For Powder Coated Gate And Post, Add	157.00	
			For 1" Mesh Fabric, Add	262.68	
			For 1-1/4" Mesh Fabric, Add	169.08	
			For 1-3/4" Mesh Fabric, Add	105.07	
			For 2-1/8" Mesh Fabric, Deduct	-52.54	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 13-0328	EA	6' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire.....	847.86	35.61
			<i>For Gate With Single Barb Wire Arm, Add</i>	81.50	
			<i>For Gate With Double Barb Wire Arm, Add</i>	118.55	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-138.93	
			<i>For Aluminized Steel Gate And Post, Add</i>	355.65	
			<i>For Powder Coated Gate And Post, Add</i>	192.64	
			<i>For 1" Mesh Fabric, Add</i>	322.31	
			<i>For 1-1/4" Mesh Fabric, Add</i>	207.46	
			<i>For 1-3/4" Mesh Fabric, Add</i>	128.92	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-64.46	
32 31	13 13-0329	EA	7' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire.....	1,003.11	41.69
			<i>For Gate With Single Barb Wire Arm, Add</i>	96.59	
			<i>For Gate With Double Barb Wire Arm, Add</i>	140.49	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-164.64	
			<i>For Aluminized Steel Gate And Post, Add</i>	421.47	
			<i>For Powder Coated Gate And Post, Add</i>	228.30	
			<i>For 1" Mesh Fabric, Add</i>	381.96	
			<i>For 1-1/4" Mesh Fabric, Add</i>	245.86	
			<i>For 1-3/4" Mesh Fabric, Add</i>	152.78	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-76.39	
32 31	13 13-0330	EA	8' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire.....	1,159.22	47.93
			<i>For Gate With Single Barb Wire Arm, Add</i>	111.67	
			<i>For Gate With Double Barb Wire Arm, Add</i>	162.42	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-190.34	
			<i>For Aluminized Steel Gate And Post, Add</i>	487.27	
			<i>For Powder Coated Gate And Post, Add</i>	263.94	
			<i>For 1" Mesh Fabric, Add</i>	441.59	
			<i>For 1-1/4" Mesh Fabric, Add</i>	284.24	
			<i>For 1-3/4" Mesh Fabric, Add</i>	176.63	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-88.32	
32 31	13 13-0331	EA	9' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire.....	1,314.47	54.00
			<i>For Gate With Single Barb Wire Arm, Add</i>	126.75	
			<i>For Gate With Double Barb Wire Arm, Add</i>	184.36	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-216.05	
			<i>For Aluminized Steel Gate And Post, Add</i>	553.08	
			<i>For Powder Coated Gate And Post, Add</i>	299.59	
			<i>For 1" Mesh Fabric, Add</i>	501.23	
			<i>For 1-1/4" Mesh Fabric, Add</i>	322.63	
			<i>For 1-3/4" Mesh Fabric, Add</i>	200.49	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-100.25	
32 31	13 13-0332	EA	10' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire.....	1,445.88	60.35
			<i>For Gate With Single Barb Wire Arm, Add</i>	139.11	
			<i>For Gate With Double Barb Wire Arm, Add</i>	202.34	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-237.12	
			<i>For Aluminized Steel Gate And Post, Add</i>	607.03	
			<i>For Powder Coated Gate And Post, Add</i>	328.81	
			<i>For 1" Mesh Fabric, Add</i>	550.12	
			<i>For 1-1/4" Mesh Fabric, Add</i>	354.10	
			<i>For 1-3/4" Mesh Fabric, Add</i>	220.05	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-110.02	
32 31	13 13-0333	EA	10' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire.....	1,841.24	60.35
			<i>For Gate With Single Barb Wire Arm, Add</i>	182.60	
			<i>For Gate With Double Barb Wire Arm, Add</i>	265.60	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-311.25	
			<i>For Aluminized Steel Gate And Post, Add</i>	796.80	
			<i>For Powder Coated Gate And Post, Add</i>	431.60	
			<i>For 1" Mesh Fabric, Add</i>	722.10	
			<i>For 1-1/4" Mesh Fabric, Add</i>	464.80	
			<i>For 1-3/4" Mesh Fabric, Add</i>	288.84	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-144.42	
32 31	13 13-0334	EA	12' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire.....	2,092.54	82.16
			<i>For Gate With Single Barb Wire Arm, Add</i>	203.04	
			<i>For Gate With Double Barb Wire Arm, Add</i>	295.32	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-346.08	
			<i>For Aluminized Steel Gate And Post, Add</i>	885.97	
			<i>For Powder Coated Gate And Post, Add</i>	479.90	
			<i>For 1" Mesh Fabric, Add</i>	802.91	
			<i>For 1-1/4" Mesh Fabric, Add</i>	516.82	
			<i>For 1-3/4" Mesh Fabric, Add</i>	321.17	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-160.58	
32 31	13 13-0335	EA	14' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire.....	2,419.14	88.52
			<i>For Gate With Single Barb Wire Arm, Add</i>	236.88	
			<i>For Gate With Double Barb Wire Arm, Add</i>	344.55	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-403.76	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,033.64	
			<i>For Powder Coated Gate And Post, Add</i>	559.89	
			<i>For 1" Mesh Fabric, Add</i>	936.73	
			<i>For 1-1/4" Mesh Fabric, Add</i>	602.95	
			<i>For 1-3/4" Mesh Fabric, Add</i>	374.69	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-187.35	
32 31	13 13-0336	EA	16' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire.....	2,723.25	95.87
			<i>For Gate With Single Barb Wire Arm, Add</i>	267.89	
			<i>For Gate With Double Barb Wire Arm, Add</i>	389.66	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-456.63	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,168.98	
			<i>For Powder Coated Gate And Post, Add</i>	633.20	
			<i>For 1" Mesh Fabric, Add</i>	1,059.39	
			<i>For 1-1/4" Mesh Fabric, Add</i>	681.90	
			<i>For 1-3/4" Mesh Fabric, Add</i>	423.75	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-211.88	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0337	EA		18' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire .....	3,059.18	104.61
			For Gate With Single Barb Wire Arm, Add	301.96	
			For Gate With Double Barb Wire Arm, Add	439.22	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-514.71	
			For Aluminized Steel Gate And Post, Add	1,317.66	
			For Powder Coated Gate And Post, Add	713.73	
			For 1" Mesh Fabric, Add	1,194.13	
			For 1-1/4" Mesh Fabric, Add	768.64	
			For 1-3/4" Mesh Fabric, Add	477.65	
			For 2-1/8" Mesh Fabric, Deduct	-238.83	
32 31 13 13-0338	EA		20' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire .....	3,395.01	115.08
			For Gate With Single Barb Wire Arm, Add	335.45	
			For Gate With Double Barb Wire Arm, Add	487.93	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-571.79	
			For Aluminized Steel Gate And Post, Add	1,463.78	
			For Powder Coated Gate And Post, Add	792.88	
			For 1" Mesh Fabric, Add	1,326.55	
			For 1-1/4" Mesh Fabric, Add	853.87	
			For 1-3/4" Mesh Fabric, Add	530.62	
			For 2-1/8" Mesh Fabric, Deduct	-265.31	
32 31 13 13-0339	EA		22' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire .....	3,737.80	127.82
			For Gate With Single Barb Wire Arm, Add	368.94	
			For Gate With Double Barb Wire Arm, Add	536.64	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-628.87	
			For Aluminized Steel Gate And Post, Add	1,609.91	
			For Powder Coated Gate And Post, Add	872.03	
			For 1" Mesh Fabric, Add	1,458.98	
			For 1-1/4" Mesh Fabric, Add	939.11	
			For 1-3/4" Mesh Fabric, Add	583.59	
			For 2-1/8" Mesh Fabric, Deduct	-291.80	
32 31 13 13-0340	EA		24' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire .....	4,090.20	143.80
			For Gate With Single Barb Wire Arm, Add	402.42	
			For Gate With Double Barb Wire Arm, Add	585.34	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-685.95	
			For Aluminized Steel Gate And Post, Add	1,756.03	
			For Powder Coated Gate And Post, Add	951.18	
			For 1" Mesh Fabric, Add	1,591.40	
			For 1-1/4" Mesh Fabric, Add	1,024.35	
			For 1-3/4" Mesh Fabric, Add	636.56	
			For 2-1/8" Mesh Fabric, Deduct	-318.28	
32 31 13 13-0341	EA		26' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire .....	4,456.31	164.31
			For Gate With Single Barb Wire Arm, Add	435.91	
			For Gate With Double Barb Wire Arm, Add	634.05	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-743.03	
			For Aluminized Steel Gate And Post, Add	1,902.15	
			For Powder Coated Gate And Post, Add	1,030.33	
			For 1" Mesh Fabric, Add	1,723.82	
			For 1-1/4" Mesh Fabric, Add	1,109.59	
			For 1-3/4" Mesh Fabric, Add	689.53	
			For 2-1/8" Mesh Fabric, Deduct	-344.76	
32 31 13 13-0342	EA		28' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire .....	4,842.99	191.73
			For Gate With Single Barb Wire Arm, Add	469.40	
			For Gate With Double Barb Wire Arm, Add	682.76	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-800.11	
			For Aluminized Steel Gate And Post, Add	2,048.28	
			For Powder Coated Gate And Post, Add	1,109.48	
			For 1" Mesh Fabric, Add	1,856.25	
			For 1-1/4" Mesh Fabric, Add	1,194.83	
			For 1-3/4" Mesh Fabric, Add	742.50	
			For 2-1/8" Mesh Fabric, Deduct	-371.25	
32 31 13 13-0343	EA		30' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire .....	5,262.56	230.05
			For Gate With Single Barb Wire Arm, Add	502.88	
			For Gate With Double Barb Wire Arm, Add	731.47	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-857.19	
			For Aluminized Steel Gate And Post, Add	2,194.40	
			For Powder Coated Gate And Post, Add	1,188.63	
			For 1" Mesh Fabric, Add	1,988.67	
			For 1-1/4" Mesh Fabric, Add	1,280.06	
			For 1-3/4" Mesh Fabric, Add	795.47	
			For 2-1/8" Mesh Fabric, Deduct	-397.73	
<b>32 31 13 13-0344</b>			<b>8' Fence Height <small>(32 31 13 13-0263)</small></b>		
32 31 13 13-0345	EA		3' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire .....	542.41	30.17
			For Gate With Single Barb Wire Arm, Add	49.70	
			For Gate With Double Barb Wire Arm, Add	72.29	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-84.71	
			For Aluminized Steel Gate And Post, Add	216.86	
			For Powder Coated Gate And Post, Add	117.47	
			For 1" Mesh Fabric, Add	196.53	
			For 1-1/4" Mesh Fabric, Add	126.50	
			For 1-3/4" Mesh Fabric, Add	78.61	
			For 2-1/8" Mesh Fabric, Deduct	-39.31	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 31 13 13-0346	EA	4' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire.....	693.02	30.17
		<i>For Gate With Single Barb Wire Arm, Add</i>	66.27	
		<i>For Gate With Double Barb Wire Arm, Add</i>	96.39	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-112.95	
		<i>For Aluminized Steel Gate And Post, Add</i>	289.16	
		<i>For Powder Coated Gate And Post, Add</i>	156.63	
		<i>For 1" Mesh Fabric, Add</i>	262.05	
		<i>For 1-1/4" Mesh Fabric, Add</i>	168.67	
		<i>For 1-3/4" Mesh Fabric, Add</i>	104.82	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-52.41	
32 31 13 13-0347	EA	5' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire.....	809.53	33.62
		<i>For Gate With Single Barb Wire Arm, Add</i>	77.93	
		<i>For Gate With Double Barb Wire Arm, Add</i>	113.36	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-132.84	
		<i>For Aluminized Steel Gate And Post, Add</i>	340.08	
		<i>For Powder Coated Gate And Post, Add</i>	184.21	
		<i>For 1" Mesh Fabric, Add</i>	308.19	
		<i>For 1-1/4" Mesh Fabric, Add</i>	198.38	
		<i>For 1-3/4" Mesh Fabric, Add</i>	123.28	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-61.64	
32 31 13 13-0348	EA	6' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire.....	928.76	38.06
		<i>For Gate With Single Barb Wire Arm, Add</i>	89.60	
		<i>For Gate With Double Barb Wire Arm, Add</i>	130.33	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-152.74	
		<i>For Aluminized Steel Gate And Post, Add</i>	391.00	
		<i>For Powder Coated Gate And Post, Add</i>	211.79	
		<i>For 1" Mesh Fabric, Add</i>	354.35	
		<i>For 1-1/4" Mesh Fabric, Add</i>	228.09	
		<i>For 1-3/4" Mesh Fabric, Add</i>	141.74	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-70.87	
32 31 13 13-0349	EA	7' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire.....	1,058.43	45.85
		<i>For Gate With Single Barb Wire Arm, Add</i>	101.28	
		<i>For Gate With Double Barb Wire Arm, Add</i>	147.31	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-172.63	
		<i>For Aluminized Steel Gate And Post, Add</i>	441.94	
		<i>For Powder Coated Gate And Post, Add</i>	239.38	
		<i>For 1" Mesh Fabric, Add</i>	400.50	
		<i>For 1-1/4" Mesh Fabric, Add</i>	257.80	
		<i>For 1-3/4" Mesh Fabric, Add</i>	160.20	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-80.10	
32 31 13 13-0350	EA	8' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire.....	1,187.19	53.37
		<i>For Gate With Single Barb Wire Arm, Add</i>	112.95	
		<i>For Gate With Double Barb Wire Arm, Add</i>	164.29	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-192.53	
		<i>For Aluminized Steel Gate And Post, Add</i>	492.86	
		<i>For Powder Coated Gate And Post, Add</i>	266.97	
		<i>For 1" Mesh Fabric, Add</i>	446.66	
		<i>For 1-1/4" Mesh Fabric, Add</i>	287.50	
		<i>For 1-3/4" Mesh Fabric, Add</i>	178.66	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-89.33	
32 31 13 13-0351	EA	9' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire.....	1,316.86	61.25
		<i>For Gate With Single Barb Wire Arm, Add</i>	124.62	
		<i>For Gate With Double Barb Wire Arm, Add</i>	181.26	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-212.42	
		<i>For Aluminized Steel Gate And Post, Add</i>	543.79	
		<i>For Powder Coated Gate And Post, Add</i>	294.55	
		<i>For 1" Mesh Fabric, Add</i>	492.81	
		<i>For 1-1/4" Mesh Fabric, Add</i>	317.21	
		<i>For 1-3/4" Mesh Fabric, Add</i>	197.12	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-98.56	
32 31 13 13-0352	EA	10' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire.....	1,446.51	69.14
		<i>For Gate With Single Barb Wire Arm, Add</i>	136.29	
		<i>For Gate With Double Barb Wire Arm, Add</i>	198.24	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-232.31	
		<i>For Aluminized Steel Gate And Post, Add</i>	594.72	
		<i>For Powder Coated Gate And Post, Add</i>	322.14	
		<i>For 1" Mesh Fabric, Add</i>	538.97	
		<i>For 1-1/4" Mesh Fabric, Add</i>	346.92	
		<i>For 1-3/4" Mesh Fabric, Add</i>	215.59	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-107.79	
32 31 13 13-0353	EA	10' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	2,105.29	82.16
		<i>For Gate With Single Barb Wire Arm, Add</i>	204.44	
		<i>For Gate With Double Barb Wire Arm, Add</i>	297.36	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-348.47	
		<i>For Aluminized Steel Gate And Post, Add</i>	892.09	
		<i>For Powder Coated Gate And Post, Add</i>	483.22	
		<i>For 1" Mesh Fabric, Add</i>	808.46	
		<i>For 1-1/4" Mesh Fabric, Add</i>	520.39	
		<i>For 1-3/4" Mesh Fabric, Add</i>	323.38	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-161.69	
32 31 13 13-0354	EA	12' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	2,482.13	88.52
		<i>For Gate With Single Barb Wire Arm, Add</i>	243.80	
		<i>For Gate With Double Barb Wire Arm, Add</i>	354.62	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-415.58	
		<i>For Aluminized Steel Gate And Post, Add</i>	1,063.87	
		<i>For Powder Coated Gate And Post, Add</i>	576.26	
		<i>For 1" Mesh Fabric, Add</i>	964.13	
		<i>For 1-1/4" Mesh Fabric, Add</i>	620.59	
		<i>For 1-3/4" Mesh Fabric, Add</i>	385.65	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-192.83	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0355	EA		14' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire .....	2,867.45	95.87
			For Gate With Single Barb Wire Arm, Add	283.75	
			For Gate With Double Barb Wire Arm, Add	412.73	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-483.67	
			For Aluminized Steel Gate And Post, Add	1,238.19	
			For Powder Coated Gate And Post, Add	670.69	
			For 1" Mesh Fabric, Add	1,122.11	
			For 1-1/4" Mesh Fabric, Add	722.28	
			For 1-3/4" Mesh Fabric, Add	448.85	
			For 2-1/8" Mesh Fabric, Deduct	-224.42	
32 31 13 13-0356	EA		16' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire .....	3,267.47	104.61
			For Gate With Single Barb Wire Arm, Add	324.88	
			For Gate With Double Barb Wire Arm, Add	472.55	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-553.77	
			For Aluminized Steel Gate And Post, Add	1,417.64	
			For Powder Coated Gate And Post, Add	767.89	
			For 1" Mesh Fabric, Add	1,284.74	
			For 1-1/4" Mesh Fabric, Add	826.96	
			For 1-3/4" Mesh Fabric, Add	513.90	
			For 2-1/8" Mesh Fabric, Deduct	-256.95	
32 31 13 13-0357	EA		18 Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire .....	3,672.73	115.08
			For Gate With Single Barb Wire Arm, Add	366.00	
			For Gate With Double Barb Wire Arm, Add	532.36	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-623.86	
			For Aluminized Steel Gate And Post, Add	1,597.09	
			For Powder Coated Gate And Post, Add	865.09	
			For 1" Mesh Fabric, Add	1,447.36	
			For 1-1/4" Mesh Fabric, Add	931.64	
			For 1-3/4" Mesh Fabric, Add	578.94	
			For 2-1/8" Mesh Fabric, Deduct	-289.47	
32 31 13 13-0358	EA		20' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire .....	4,079.61	127.82
			For Gate With Single Barb Wire Arm, Add	406.54	
			For Gate With Double Barb Wire Arm, Add	591.32	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-692.96	
			For Aluminized Steel Gate And Post, Add	1,773.97	
			For Powder Coated Gate And Post, Add	960.90	
			For 1" Mesh Fabric, Add	1,607.66	
			For 1-1/4" Mesh Fabric, Add	1,034.82	
			For 1-3/4" Mesh Fabric, Add	643.07	
			For 2-1/8" Mesh Fabric, Deduct	-321.53	
32 31 13 13-0359	EA		22' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire .....	4,490.76	143.80
			For Gate With Single Barb Wire Arm, Add	446.48	
			For Gate With Double Barb Wire Arm, Add	649.43	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-761.05	
			For Aluminized Steel Gate And Post, Add	1,948.30	
			For Powder Coated Gate And Post, Add	1,055.33	
			For 1" Mesh Fabric, Add	1,765.64	
			For 1-1/4" Mesh Fabric, Add	1,136.51	
			For 1-3/4" Mesh Fabric, Add	706.26	
			For 2-1/8" Mesh Fabric, Deduct	-353.13	
32 31 13 13-0360	EA		24' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire .....	4,926.30	164.31
			For Gate With Single Barb Wire Arm, Add	487.61	
			For Gate With Double Barb Wire Arm, Add	709.25	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-831.15	
			For Aluminized Steel Gate And Post, Add	2,127.74	
			For Powder Coated Gate And Post, Add	1,152.53	
			For 1" Mesh Fabric, Add	1,928.27	
			For 1-1/4" Mesh Fabric, Add	1,241.18	
			For 1-3/4" Mesh Fabric, Add	771.31	
			For 2-1/8" Mesh Fabric, Deduct	-385.65	
32 31 13 13-0361	EA		26' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire .....	5,382.40	191.73
			For Gate With Single Barb Wire Arm, Add	528.73	
			For Gate With Double Barb Wire Arm, Add	769.06	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-901.25	
			For Aluminized Steel Gate And Post, Add	2,307.19	
			For Powder Coated Gate And Post, Add	1,249.73	
			For 1" Mesh Fabric, Add	2,090.89	
			For 1-1/4" Mesh Fabric, Add	1,345.86	
			For 1-3/4" Mesh Fabric, Add	836.36	
			For 2-1/8" Mesh Fabric, Deduct	-418.18	
32 31 13 13-0362	EA		28' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire .....	5,866.06	230.05
			For Gate With Single Barb Wire Arm, Add	569.27	
			For Gate With Double Barb Wire Arm, Add	828.03	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-970.34	
			For Aluminized Steel Gate And Post, Add	2,484.08	
			For Powder Coated Gate And Post, Add	1,345.54	
			For 1" Mesh Fabric, Add	2,251.19	
			For 1-1/4" Mesh Fabric, Add	1,449.04	
			For 1-3/4" Mesh Fabric, Add	900.48	
			For 2-1/8" Mesh Fabric, Deduct	-450.24	
32 31 13 13-0363	EA		30' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire .....	6,407.30	287.59
			For Gate With Single Barb Wire Arm, Add	609.80	
			For Gate With Double Barb Wire Arm, Add	886.99	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,039.44	
			For Aluminized Steel Gate And Post, Add	2,660.96	
			For Powder Coated Gate And Post, Add	1,441.35	
			For 1" Mesh Fabric, Add	2,411.50	
			For 1-1/4" Mesh Fabric, Add	1,552.23	
			For 1-3/4" Mesh Fabric, Add	964.60	
			For 2-1/8" Mesh Fabric, Deduct	-482.30	

## 32 Exterior Improvements

## 32 30 Site Improvements

## 32 31 Fences and Gates

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 31 13 13-0364	10' Fence Height <small>(32 31 13 13-0263)</small>		
32 31 13 13-0365	EA 3' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire.....	684.93	33.53
	For Gate With Single Barb Wire Arm, Add	64.27	
	For Gate With Double Barb Wire Arm, Add	93.48	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-109.55	
	For Aluminized Steel Gate And Post, Add	280.44	
	For Powder Coated Gate And Post, Add	151.90	
	For 1" Mesh Fabric, Add	254.14	
	For 1-1/4" Mesh Fabric, Add	163.59	
	For 1-3/4" Mesh Fabric, Add	101.66	
	For 2-1/8" Mesh Fabric, Deduct	-50.83	
32 31 13 13-0366	EA 4' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire.....	879.67	33.53
	For Gate With Single Barb Wire Arm, Add	85.69	
	For Gate With Double Barb Wire Arm, Add	124.64	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-146.06	
	For Aluminized Steel Gate And Post, Add	373.91	
	For Powder Coated Gate And Post, Add	202.53	
	For 1" Mesh Fabric, Add	338.86	
	For 1-1/4" Mesh Fabric, Add	218.11	
	For 1-3/4" Mesh Fabric, Add	135.54	
	For 2-1/8" Mesh Fabric, Deduct	-67.77	
32 31 13 13-0367	EA 5' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire.....	1,021.31	34.97
	For Gate With Single Barb Wire Arm, Add	100.78	
	For Gate With Double Barb Wire Arm, Add	146.59	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-171.79	
	For Aluminized Steel Gate And Post, Add	439.78	
	For Powder Coated Gate And Post, Add	238.21	
	For 1" Mesh Fabric, Add	398.55	
	For 1-1/4" Mesh Fabric, Add	256.54	
	For 1-3/4" Mesh Fabric, Add	159.42	
	For 2-1/8" Mesh Fabric, Deduct	-79.71	
32 31 13 13-0368	EA 6' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire.....	1,183.89	43.49
	For Gate With Single Barb Wire Arm, Add	115.88	
	For Gate With Double Barb Wire Arm, Add	168.55	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-197.51	
	For Aluminized Steel Gate And Post, Add	505.64	
	For Powder Coated Gate And Post, Add	273.89	
	For 1" Mesh Fabric, Add	458.23	
	For 1-1/4" Mesh Fabric, Add	294.95	
	For 1-3/4" Mesh Fabric, Add	183.29	
	For 2-1/8" Mesh Fabric, Deduct	-91.65	
32 31 13 13-0369	EA 7' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire.....	1,345.92	51.56
	For Gate With Single Barb Wire Arm, Add	130.96	
	For Gate With Double Barb Wire Arm, Add	190.49	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-223.23	
	For Aluminized Steel Gate And Post, Add	571.48	
	For Powder Coated Gate And Post, Add	309.55	
	For 1" Mesh Fabric, Add	517.90	
	For 1-1/4" Mesh Fabric, Add	333.36	
	For 1-3/4" Mesh Fabric, Add	207.16	
	For 2-1/8" Mesh Fabric, Deduct	-103.58	
32 31 13 13-0370	EA 8' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire.....	1,508.11	60.08
	For Gate With Single Barb Wire Arm, Add	146.06	
	For Gate With Double Barb Wire Arm, Add	212.45	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-248.96	
	For Aluminized Steel Gate And Post, Add	637.34	
	For Powder Coated Gate And Post, Add	345.23	
	For 1" Mesh Fabric, Add	577.59	
	For 1-1/4" Mesh Fabric, Add	371.78	
	For 1-3/4" Mesh Fabric, Add	231.04	
	For 2-1/8" Mesh Fabric, Deduct	-115.52	
32 31 13 13-0371	EA 9' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire.....	1,669.78	68.23
	For Gate With Single Barb Wire Arm, Add	161.15	
	For Gate With Double Barb Wire Arm, Add	234.40	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-274.69	
	For Aluminized Steel Gate And Post, Add	703.20	
	For Powder Coated Gate And Post, Add	380.90	
	For 1" Mesh Fabric, Add	637.28	
	For 1-1/4" Mesh Fabric, Add	410.20	
	For 1-3/4" Mesh Fabric, Add	254.91	
	For 2-1/8" Mesh Fabric, Deduct	-127.46	
32 31 13 13-0372	EA 10' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire.....	1,832.38	76.66
	For Gate With Single Barb Wire Arm, Add	176.24	
	For Gate With Double Barb Wire Arm, Add	256.36	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-300.42	
	For Aluminized Steel Gate And Post, Add	769.07	
	For Powder Coated Gate And Post, Add	416.58	
	For 1" Mesh Fabric, Add	696.97	
	For 1-1/4" Mesh Fabric, Add	448.62	
	For 1-3/4" Mesh Fabric, Add	278.79	
	For 2-1/8" Mesh Fabric, Deduct	-139.39	
32 31 13 13-0373	EA 10' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire.....	2,677.47	91.33
	For Gate With Single Barb Wire Arm, Add	264.36	
	For Gate With Double Barb Wire Arm, Add	384.53	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-450.62	
	For Aluminized Steel Gate And Post, Add	1,153.58	
	For Powder Coated Gate And Post, Add	624.86	
	For 1" Mesh Fabric, Add	1,045.44	
	For 1-1/4" Mesh Fabric, Add	672.92	
	For 1-3/4" Mesh Fabric, Add	418.17	
	For 2-1/8" Mesh Fabric, Deduct	-209.09	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0374	EA		12' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire .....	2,912.15	98.24
			For Gate With Single Barb Wire Arm, Add	287.87	
			For Gate With Double Barb Wire Arm, Add	418.72	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-490.69	
			For Aluminized Steel Gate And Post, Add	1,256.16	
			For Powder Coated Gate And Post, Add	680.42	
			For 1" Mesh Fabric, Add	1,138.39	
			For 1-1/4" Mesh Fabric, Add	732.76	
			For 1-3/4" Mesh Fabric, Add	455.36	
			For 2-1/8" Mesh Fabric, Deduct	-227.68	
32 31 13 13-0375	EA		14' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire .....	3,321.34	106.56
			For Gate With Single Barb Wire Arm, Add	330.16	
			For Gate With Double Barb Wire Arm, Add	480.24	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-562.78	
			For Aluminized Steel Gate And Post, Add	1,440.71	
			For Powder Coated Gate And Post, Add	780.38	
			For 1" Mesh Fabric, Add	1,305.64	
			For 1-1/4" Mesh Fabric, Add	840.41	
			For 1-3/4" Mesh Fabric, Add	522.26	
			For 2-1/8" Mesh Fabric, Deduct	-261.13	
32 31 13 13-0376	EA		16' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire .....	3,777.54	116.16
			For Gate With Single Barb Wire Arm, Add	377.16	
			For Gate With Double Barb Wire Arm, Add	548.60	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-642.89	
			For Aluminized Steel Gate And Post, Add	1,645.80	
			For Powder Coated Gate And Post, Add	891.47	
			For 1" Mesh Fabric, Add	1,491.50	
			For 1-1/4" Mesh Fabric, Add	960.05	
			For 1-3/4" Mesh Fabric, Add	596.60	
			For 2-1/8" Mesh Fabric, Deduct	-298.30	
32 31 13 13-0377	EA		18' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire .....	4,239.83	127.82
			For Gate With Single Barb Wire Arm, Add	424.16	
			For Gate With Double Barb Wire Arm, Add	616.96	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-723.00	
			For Aluminized Steel Gate And Post, Add	1,850.88	
			For Powder Coated Gate And Post, Add	1,002.56	
			For 1" Mesh Fabric, Add	1,677.36	
			For 1-1/4" Mesh Fabric, Add	1,079.68	
			For 1-3/4" Mesh Fabric, Add	670.94	
			For 2-1/8" Mesh Fabric, Deduct	-335.47	
32 31 13 13-0378	EA		20' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire .....	4,712.21	141.96
			For Gate With Single Barb Wire Arm, Add	471.45	
			For Gate With Double Barb Wire Arm, Add	685.75	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-803.61	
			For Aluminized Steel Gate And Post, Add	2,057.25	
			For Powder Coated Gate And Post, Add	1,114.34	
			For 1" Mesh Fabric, Add	1,864.38	
			For 1-1/4" Mesh Fabric, Add	1,200.06	
			For 1-3/4" Mesh Fabric, Add	745.75	
			For 2-1/8" Mesh Fabric, Deduct	-372.88	
32 31 13 13-0379	EA		22' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire .....	5,195.65	159.78
			For Gate With Single Barb Wire Arm, Add	518.74	
			For Gate With Double Barb Wire Arm, Add	754.54	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-884.22	
			For Aluminized Steel Gate And Post, Add	2,263.61	
			For Powder Coated Gate And Post, Add	1,226.12	
			For 1" Mesh Fabric, Add	2,051.40	
			For 1-1/4" Mesh Fabric, Add	1,320.44	
			For 1-3/4" Mesh Fabric, Add	820.56	
			For 2-1/8" Mesh Fabric, Deduct	-410.28	
32 31 13 13-0380	EA		24' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire .....	5,691.10	182.44
			For Gate With Single Barb Wire Arm, Add	565.74	
			For Gate With Double Barb Wire Arm, Add	822.90	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-964.33	
			For Aluminized Steel Gate And Post, Add	2,468.69	
			For Powder Coated Gate And Post, Add	1,337.21	
			For 1" Mesh Fabric, Add	2,237.25	
			For 1-1/4" Mesh Fabric, Add	1,440.07	
			For 1-3/4" Mesh Fabric, Add	894.90	
			For 2-1/8" Mesh Fabric, Deduct	-447.45	
32 31 13 13-0381	EA		26' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire .....	6,210.09	213.00
			For Gate With Single Barb Wire Arm, Add	612.74	
			For Gate With Double Barb Wire Arm, Add	891.26	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,044.44	
			For Aluminized Steel Gate And Post, Add	2,673.78	
			For Powder Coated Gate And Post, Add	1,448.30	
			For 1" Mesh Fabric, Add	2,423.11	
			For 1-1/4" Mesh Fabric, Add	1,559.70	
			For 1-3/4" Mesh Fabric, Add	969.24	
			For 2-1/8" Mesh Fabric, Deduct	-484.62	
32 31 13 13-0382	EA		28' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire .....	6,764.62	255.42
			For Gate With Single Barb Wire Arm, Add	659.74	
			For Gate With Double Barb Wire Arm, Add	959.62	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,124.56	
			For Aluminized Steel Gate And Post, Add	2,878.86	
			For Powder Coated Gate And Post, Add	1,559.38	
			For 1" Mesh Fabric, Add	2,608.97	
			For 1-1/4" Mesh Fabric, Add	1,679.34	
			For 1-3/4" Mesh Fabric, Add	1,043.59	
			For 2-1/8" Mesh Fabric, Deduct	-521.79	

**32 Exterior Improvements**

**32 30 Site Improvements**

**32 31 Fences and Gates**



MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 31 13 13-0383	EA	30' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire .....	7,389.81	319.54
		For Gate With Single Barb Wire Arm, Add	707.33	
		For Gate With Double Barb Wire Arm, Add	1,028.84	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,205.67	
		For Aluminized Steel Gate And Post, Add	3,086.51	
		For Powder Coated Gate And Post, Add	1,671.86	
		For 1" Mesh Fabric, Add	2,797.15	
		For 1-1/4" Mesh Fabric, Add	1,800.46	
		For 1-3/4" Mesh Fabric, Add	1,118.86	
		For 2-1/8" Mesh Fabric, Deduct	-559.43	

**32 31 13 13-0384 12' Fence Height (32 31 13 13-0263)**

32 31 13 13-0385	EA	3' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire.....	859.70	37.24
		For Gate With Single Barb Wire Arm, Add	82.26	
		For Gate With Double Barb Wire Arm, Add	119.65	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-140.22	
		For Aluminized Steel Gate And Post, Add	358.96	
		For Powder Coated Gate And Post, Add	194.44	
		For 1" Mesh Fabric, Add	325.31	
		For 1-1/4" Mesh Fabric, Add	209.39	
		For 1-3/4" Mesh Fabric, Add	130.12	
		For 2-1/8" Mesh Fabric, Deduct	-65.06	
32 31 13 13-0386	EA	4' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire.....	1,108.96	37.24
		For Gate With Single Barb Wire Arm, Add	109.68	
		For Gate With Double Barb Wire Arm, Add	159.53	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-186.95	
		For Aluminized Steel Gate And Post, Add	478.60	
		For Powder Coated Gate And Post, Add	259.24	
		For 1" Mesh Fabric, Add	433.73	
		For 1-1/4" Mesh Fabric, Add	279.19	
		For 1-3/4" Mesh Fabric, Add	173.49	
		For 2-1/8" Mesh Fabric, Deduct	-86.75	
32 31 13 13-0387	EA	5' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire.....	1,288.72	38.60
		For Gate With Single Barb Wire Arm, Add	129.00	
		For Gate With Double Barb Wire Arm, Add	187.64	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-219.89	
		For Aluminized Steel Gate And Post, Add	562.91	
		For Powder Coated Gate And Post, Add	304.91	
		For 1" Mesh Fabric, Add	510.14	
		For 1-1/4" Mesh Fabric, Add	328.36	
		For 1-3/4" Mesh Fabric, Add	204.06	
		For 2-1/8" Mesh Fabric, Deduct	-102.03	
32 31 13 13-0388	EA	6' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire.....	1,492.43	47.93
		For Gate With Single Barb Wire Arm, Add	148.32	
		For Gate With Double Barb Wire Arm, Add	215.74	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-252.82	
		For Aluminized Steel Gate And Post, Add	647.21	
		For Powder Coated Gate And Post, Add	350.57	
		For 1" Mesh Fabric, Add	586.53	
		For 1-1/4" Mesh Fabric, Add	377.54	
		For 1-3/4" Mesh Fabric, Add	234.61	
		For 2-1/8" Mesh Fabric, Deduct	-117.31	
32 31 13 13-0389	EA	7' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire.....	649.12	57.36
		For Gate With Single Barb Wire Arm, Add	52.46	
		For Gate With Double Barb Wire Arm, Add	76.31	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-89.43	
		For Aluminized Steel Gate And Post, Add	228.93	
		For Powder Coated Gate And Post, Add	124.00	
		For 1" Mesh Fabric, Add	207.47	
		For 1-1/4" Mesh Fabric, Add	133.54	
		For 1-3/4" Mesh Fabric, Add	82.99	
		For 2-1/8" Mesh Fabric, Deduct	-41.49	
32 31 13 13-0390	EA	8' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire.....	731.27	66.42
		For Gate With Single Barb Wire Arm, Add	58.51	
		For Gate With Double Barb Wire Arm, Add	85.11	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-99.73	
		For Aluminized Steel Gate And Post, Add	255.32	
		For Powder Coated Gate And Post, Add	138.30	
		For 1" Mesh Fabric, Add	231.38	
		For 1-1/4" Mesh Fabric, Add	148.93	
		For 1-3/4" Mesh Fabric, Add	92.55	
		For 2-1/8" Mesh Fabric, Deduct	-46.28	
32 31 13 13-0391	EA	9' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire.....	814.32	75.76
		For Gate With Single Barb Wire Arm, Add	64.56	
		For Gate With Double Barb Wire Arm, Add	93.90	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-110.04	
		For Aluminized Steel Gate And Post, Add	281.70	
		For Powder Coated Gate And Post, Add	152.59	
		For 1" Mesh Fabric, Add	255.29	
		For 1-1/4" Mesh Fabric, Add	164.32	
		For 1-3/4" Mesh Fabric, Add	102.12	
		For 2-1/8" Mesh Fabric, Deduct	-51.06	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0392	EA	10' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	.....	897.37	85.09
		For Gate With Single Barb Wire Arm, Add		70.60	
		For Gate With Double Barb Wire Arm, Add		102.69	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct		-120.34	
		For Aluminized Steel Gate And Post, Add		308.08	
		For Powder Coated Gate And Post, Add		166.88	
		For 1" Mesh Fabric, Add		279.20	
		For 1-1/4" Mesh Fabric, Add		179.71	
		For 1-3/4" Mesh Fabric, Add		111.68	
		For 2-1/8" Mesh Fabric, Deduct		-55.84	
32 31 13 13-0393	EA	10' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	.....	1,198.87	101.48
		For Gate With Single Barb Wire Arm, Add		98.37	
		For Gate With Double Barb Wire Arm, Add		143.08	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct		-167.67	
		For Aluminized Steel Gate And Post, Add		429.24	
		For Powder Coated Gate And Post, Add		232.50	
		For 1" Mesh Fabric, Add		388.99	
		For 1-1/4" Mesh Fabric, Add		250.39	
		For 1-3/4" Mesh Fabric, Add		155.60	
		For 2-1/8" Mesh Fabric, Deduct		-77.80	
32 31 13 13-0394	EA	12' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	.....	1,310.71	109.25
		For Gate With Single Barb Wire Arm, Add		108.11	
		For Gate With Double Barb Wire Arm, Add		157.25	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct		-184.28	
		For Aluminized Steel Gate And Post, Add		471.76	
		For Powder Coated Gate And Post, Add		255.54	
		For 1" Mesh Fabric, Add		427.53	
		For 1-1/4" Mesh Fabric, Add		275.19	
		For 1-3/4" Mesh Fabric, Add		171.01	
		For 2-1/8" Mesh Fabric, Deduct		-85.51	
32 31 13 13-0395	EA	14' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	.....	1,481.98	118.32
		For Gate With Single Barb Wire Arm, Add		123.92	
		For Gate With Double Barb Wire Arm, Add		180.25	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct		-211.23	
		For Aluminized Steel Gate And Post, Add		540.76	
		For Powder Coated Gate And Post, Add		292.91	
		For 1" Mesh Fabric, Add		490.06	
		For 1-1/4" Mesh Fabric, Add		315.44	
		For 1-3/4" Mesh Fabric, Add		196.02	
		For 2-1/8" Mesh Fabric, Deduct		-98.01	
32 31 13 13-0396	EA	16' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	.....	1,674.66	129.00
		For Gate With Single Barb Wire Arm, Add		141.57	
		For Gate With Double Barb Wire Arm, Add		205.93	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct		-241.32	
		For Aluminized Steel Gate And Post, Add		617.78	
		For Powder Coated Gate And Post, Add		334.63	
		For 1" Mesh Fabric, Add		559.86	
		For 1-1/4" Mesh Fabric, Add		360.37	
		For 1-3/4" Mesh Fabric, Add		223.94	
		For 2-1/8" Mesh Fabric, Deduct		-111.97	
32 31 13 13-0397	EA	18' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	.....	5,051.34	142.06
		For Gate With Single Barb Wire Arm, Add		508.76	
		For Gate With Double Barb Wire Arm, Add		740.01	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct		-867.20	
		For Aluminized Steel Gate And Post, Add		2,220.03	
		For Powder Coated Gate And Post, Add		1,202.52	
		For 1" Mesh Fabric, Add		2,011.90	
		For 1-1/4" Mesh Fabric, Add		1,295.02	
		For 1-3/4" Mesh Fabric, Add		804.76	
		For 2-1/8" Mesh Fabric, Deduct		-402.38	
32 31 13 13-0398	EA	20' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	.....	5,616.59	157.72
		For Gate With Single Barb Wire Arm, Add		565.74	
		For Gate With Double Barb Wire Arm, Add		822.90	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct		-964.33	
		For Aluminized Steel Gate And Post, Add		2,468.69	
		For Powder Coated Gate And Post, Add		1,337.21	
		For 1" Mesh Fabric, Add		2,237.25	
		For 1-1/4" Mesh Fabric, Add		1,440.07	
		For 1-3/4" Mesh Fabric, Add		894.90	
		For 2-1/8" Mesh Fabric, Deduct		-447.45	
32 31 13 13-0399	EA	22' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	.....	6,188.92	177.48
		For Gate With Single Barb Wire Arm, Add		622.14	
		For Gate With Double Barb Wire Arm, Add		904.93	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct		-1,060.47	
		For Aluminized Steel Gate And Post, Add		2,714.79	
		For Powder Coated Gate And Post, Add		1,470.51	
		For 1" Mesh Fabric, Add		2,460.28	
		For 1-1/4" Mesh Fabric, Add		1,583.63	
		For 1-3/4" Mesh Fabric, Add		984.11	
		For 2-1/8" Mesh Fabric, Deduct		-492.06	
32 31 13 13-0400	EA	24' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	.....	6,782.74	202.73
		For Gate With Single Barb Wire Arm, Add		679.13	
		For Gate With Double Barb Wire Arm, Add		987.82	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct		-1,157.60	
		For Aluminized Steel Gate And Post, Add		2,963.46	
		For Powder Coated Gate And Post, Add		1,605.21	
		For 1" Mesh Fabric, Add		2,685.63	
		For 1-1/4" Mesh Fabric, Add		1,728.68	
		For 1-3/4" Mesh Fabric, Add		1,074.25	
		For 2-1/8" Mesh Fabric, Deduct		-537.13	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

32 31 13 13-0401	EA	26' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire .....	7,392.05	236.74
		For Gate With Single Barb Wire Arm, Add	734.94	
		For Gate With Double Barb Wire Arm, Add	1,069.00	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,252.73	
		For Aluminized Steel Gate And Post, Add	3,207.00	
		For Powder Coated Gate And Post, Add	1,737.12	
		For 1" Mesh Fabric, Add	2,906.34	
		For 1-1/4" Mesh Fabric, Add	1,870.75	
		For 1-3/4" Mesh Fabric, Add	1,162.54	
		For 2-1/8" Mesh Fabric, Deduct	-581.27	
32 31 13 13-0402	EA	28' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire .....	8,046.16	283.81
		For Gate With Single Barb Wire Arm, Add	791.33	
		For Gate With Double Barb Wire Arm, Add	1,151.03	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,348.87	
		For Aluminized Steel Gate And Post, Add	3,453.10	
		For Powder Coated Gate And Post, Add	1,870.43	
		For 1" Mesh Fabric, Add	3,129.37	
		For 1-1/4" Mesh Fabric, Add	2,014.31	
		For 1-3/4" Mesh Fabric, Add	1,251.75	
		For 2-1/8" Mesh Fabric, Deduct	-625.87	
32 31 13 13-0403	EA	30' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire .....	8,778.21	355.06
		For Gate With Single Barb Wire Arm, Add	848.32	
		For Gate With Double Barb Wire Arm, Add	1,233.92	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,446.00	
		For Aluminized Steel Gate And Post, Add	3,701.76	
		For Powder Coated Gate And Post, Add	2,005.12	
		For 1" Mesh Fabric, Add	3,354.72	
		For 1-1/4" Mesh Fabric, Add	2,159.36	
		For 1-3/4" Mesh Fabric, Add	1,341.89	
		For 2-1/8" Mesh Fabric, Deduct	-670.94	

**32 31 13 13-0404 Vinyl Coated Without Barb Wire Arm** (32 31 13 13-0262)

Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter to 13' wide, 6-5/8" diameter for 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.

**32 31 13 13-0405 4' Fence Height** (32 31 13 13-0404)

32 31 13 13-0406	EA	3' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	179.50	22.66
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-20.91	
		For 1" Mesh Fabric, Add	48.52	
		For 1-1/4" Mesh Fabric, Add	31.23	
		For 1-3/4" Mesh Fabric, Add	19.41	
		For 2-1/8" Mesh Fabric, Deduct	-9.70	
		For Gate With Single Barb Wire Arm, Add	12.27	
		For Gate With Double Barb Wire Arm, Add	17.85	
32 31 13 13-0407	EA	4' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	216.67	22.66
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-27.88	
		For 1" Mesh Fabric, Add	64.69	
		For 1-1/4" Mesh Fabric, Add	41.64	
		For 1-3/4" Mesh Fabric, Add	25.88	
		For 2-1/8" Mesh Fabric, Deduct	-12.94	
		For Gate With Single Barb Wire Arm, Add	16.36	
		For Gate With Double Barb Wire Arm, Add	23.79	
32 31 13 13-0408	EA	5' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	252.20	24.11
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-33.69	
		For 1" Mesh Fabric, Add	78.17	
		For 1-1/4" Mesh Fabric, Add	50.32	
		For 1-3/4" Mesh Fabric, Add	31.27	
		For 2-1/8" Mesh Fabric, Deduct	-15.63	
		For Gate With Single Barb Wire Arm, Add	19.77	
		For Gate With Double Barb Wire Arm, Add	28.75	
32 31 13 13-0409	EA	6' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	297.67	28.99
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-39.50	
		For 1" Mesh Fabric, Add	91.65	
		For 1-1/4" Mesh Fabric, Add	58.99	
		For 1-3/4" Mesh Fabric, Add	36.66	
		For 2-1/8" Mesh Fabric, Deduct	-18.33	
		For Gate With Single Barb Wire Arm, Add	23.17	
		For Gate With Double Barb Wire Arm, Add	33.71	
32 31 13 13-0410	EA	7' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	343.14	33.80
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-45.31	
		For 1" Mesh Fabric, Add	105.12	
		For 1-1/4" Mesh Fabric, Add	67.66	
		For 1-3/4" Mesh Fabric, Add	42.05	
		For 2-1/8" Mesh Fabric, Deduct	-21.02	
		For Gate With Single Barb Wire Arm, Add	26.58	
		For Gate With Double Barb Wire Arm, Add	38.66	
32 31 13 13-0411	EA	8' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	388.64	38.60
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-51.12	
		For 1" Mesh Fabric, Add	118.60	
		For 1-1/4" Mesh Fabric, Add	76.34	
		For 1-3/4" Mesh Fabric, Add	47.44	
		For 2-1/8" Mesh Fabric, Deduct	-23.72	
		For Gate With Single Barb Wire Arm, Add	29.99	
		For Gate With Double Barb Wire Arm, Add	43.62	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13	13-0412	EA 9' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	434.11	43.49
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-56.93	
			For 1" Mesh Fabric, Add	132.07	
			For 1-1/4" Mesh Fabric, Add	85.01	
			For 1-3/4" Mesh Fabric, Add	52.83	
			For 2-1/8" Mesh Fabric, Deduct	-26.41	
			For Gate With Single Barb Wire Arm, Add	33.40	
			For Gate With Double Barb Wire Arm, Add	48.58	
32 31	13	13-0413	EA 10' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	479.58	48.30
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-62.74	
			For 1" Mesh Fabric, Add	145.55	
			For 1-1/4" Mesh Fabric, Add	93.69	
			For 1-3/4" Mesh Fabric, Add	58.22	
			For 2-1/8" Mesh Fabric, Deduct	-29.11	
			For Gate With Single Barb Wire Arm, Add	36.81	
			For Gate With Double Barb Wire Arm, Add	53.54	
32 31	13	13-0414	EA 10' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	591.12	48.30
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-83.65	
			For 1" Mesh Fabric, Add	194.07	
			For 1-1/4" Mesh Fabric, Add	124.92	
			For 1-3/4" Mesh Fabric, Add	77.63	
			For 2-1/8" Mesh Fabric, Deduct	-38.81	
			For Gate With Single Barb Wire Arm, Add	49.08	
			For Gate With Double Barb Wire Arm, Add	71.38	
32 31	13	13-0415	EA 12' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	690.71	51.74
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-100.38	
			For 1" Mesh Fabric, Add	232.89	
			For 1-1/4" Mesh Fabric, Add	149.90	
			For 1-3/4" Mesh Fabric, Add	93.15	
			For 2-1/8" Mesh Fabric, Deduct	-46.58	
			For Gate With Single Barb Wire Arm, Add	58.89	
			For Gate With Double Barb Wire Arm, Add	85.66	
32 31	13	13-0416	EA 14' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	791.89	55.73
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-117.11	
			For 1" Mesh Fabric, Add	271.70	
			For 1-1/4" Mesh Fabric, Add	174.89	
			For 1-3/4" Mesh Fabric, Add	108.68	
			For 2-1/8" Mesh Fabric, Deduct	-54.34	
			For Gate With Single Barb Wire Arm, Add	68.71	
			For Gate With Double Barb Wire Arm, Add	99.94	
32 31	13	13-0417	EA 16' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	895.06	60.35
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-133.84	
			For 1" Mesh Fabric, Add	310.51	
			For 1-1/4" Mesh Fabric, Add	199.87	
			For 1-3/4" Mesh Fabric, Add	124.20	
			For 2-1/8" Mesh Fabric, Deduct	-62.10	
			For Gate With Single Barb Wire Arm, Add	78.52	
			For Gate With Double Barb Wire Arm, Add	114.21	
32 31	13	13-0418	EA 18' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,033.35	76.65
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-150.57	
			For 1" Mesh Fabric, Add	349.33	
			For 1-1/4" Mesh Fabric, Add	224.85	
			For 1-3/4" Mesh Fabric, Add	139.73	
			For 2-1/8" Mesh Fabric, Deduct	-69.87	
			For Gate With Single Barb Wire Arm, Add	88.34	
			For Gate With Double Barb Wire Arm, Add	128.49	
32 31	13	13-0419	EA 20' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,139.04	82.16
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-167.30	
			For 1" Mesh Fabric, Add	388.14	
			For 1-1/4" Mesh Fabric, Add	249.84	
			For 1-3/4" Mesh Fabric, Add	155.26	
			For 2-1/8" Mesh Fabric, Deduct	-77.63	
			For Gate With Single Barb Wire Arm, Add	98.15	
			For Gate With Double Barb Wire Arm, Add	142.76	
32 31	13	13-0420	EA 22' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,247.24	88.52
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-184.03	
			For 1" Mesh Fabric, Add	426.96	
			For 1-1/4" Mesh Fabric, Add	274.82	
			For 1-3/4" Mesh Fabric, Add	170.78	
			For 2-1/8" Mesh Fabric, Deduct	-85.39	
			For Gate With Single Barb Wire Arm, Add	107.97	
			For Gate With Double Barb Wire Arm, Add	157.04	
32 31	13	13-0421	EA 24' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,358.61	95.87
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-200.76	
			For 1" Mesh Fabric, Add	465.77	
			For 1-1/4" Mesh Fabric, Add	299.80	
			For 1-3/4" Mesh Fabric, Add	186.31	
			For 2-1/8" Mesh Fabric, Deduct	-93.15	
			For Gate With Single Barb Wire Arm, Add	117.78	
			For Gate With Double Barb Wire Arm, Add	171.32	
32 31	13	13-0422	EA 26' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,474.01	104.61
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-217.49	
			For 1" Mesh Fabric, Add	504.58	
			For 1-1/4" Mesh Fabric, Add	324.79	
			For 1-3/4" Mesh Fabric, Add	201.83	
			For 2-1/8" Mesh Fabric, Deduct	-100.92	
			For Gate With Single Barb Wire Arm, Add	127.60	
			For Gate With Double Barb Wire Arm, Add	185.59	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 31 13 13-0423	EA	28' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,594.65	115.08
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-234.22	
		For 1" Mesh Fabric, Add	543.40	
		For 1-1/4" Mesh Fabric, Add	349.77	
		For 1-3/4" Mesh Fabric, Add	217.36	
		For 2-1/8" Mesh Fabric, Deduct	-108.68	
		For Gate With Single Barb Wire Arm, Add	137.41	
		For Gate With Double Barb Wire Arm, Add	199.87	
32 31 13 13-0424	EA	30' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,722.25	127.82
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-250.95	
		For 1" Mesh Fabric, Add	582.21	
		For 1-1/4" Mesh Fabric, Add	374.76	
		For 1-3/4" Mesh Fabric, Add	232.89	
		For 2-1/8" Mesh Fabric, Deduct	-116.44	
		For Gate With Single Barb Wire Arm, Add	147.23	
		For Gate With Double Barb Wire Arm, Add	214.15	
<b>32 31 13 13-0425</b>		<b>5' Fence Height</b> (32 31 13 13-0404)		
32 31 13 13-0426	EA	3' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm .....	210.71	24.11
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-25.91	
		For 1" Mesh Fabric, Add	60.12	
		For 1-1/4" Mesh Fabric, Add	38.70	
		For 1-3/4" Mesh Fabric, Add	24.05	
		For 2-1/8" Mesh Fabric, Deduct	-12.02	
		For Gate With Single Barb Wire Arm, Add	15.20	
		For Gate With Double Barb Wire Arm, Add	22.11	
32 31 13 13-0427	EA	4' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm .....	256.78	24.11
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-34.55	
		For 1" Mesh Fabric, Add	80.16	
		For 1-1/4" Mesh Fabric, Add	51.60	
		For 1-3/4" Mesh Fabric, Add	32.06	
		For 2-1/8" Mesh Fabric, Deduct	-16.03	
		For Gate With Single Barb Wire Arm, Add	20.27	
		For Gate With Double Barb Wire Arm, Add	29.48	
32 31 13 13-0428	EA	5' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm .....	295.87	25.64
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-41.03	
		For 1" Mesh Fabric, Add	95.20	
		For 1-1/4" Mesh Fabric, Add	61.28	
		For 1-3/4" Mesh Fabric, Add	38.08	
		For 2-1/8" Mesh Fabric, Deduct	-19.04	
		For Gate With Single Barb Wire Arm, Add	24.07	
		For Gate With Double Barb Wire Arm, Add	35.01	
32 31 13 13-0429	EA	6' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm .....	345.80	30.81
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-47.51	
		For 1" Mesh Fabric, Add	110.22	
		For 1-1/4" Mesh Fabric, Add	70.95	
		For 1-3/4" Mesh Fabric, Add	44.09	
		For 2-1/8" Mesh Fabric, Deduct	-22.04	
		For Gate With Single Barb Wire Arm, Add	27.87	
		For Gate With Double Barb Wire Arm, Add	40.54	
32 31 13 13-0430	EA	7' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm .....	395.78	35.89
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-53.99	
		For 1" Mesh Fabric, Add	125.25	
		For 1-1/4" Mesh Fabric, Add	80.62	
		For 1-3/4" Mesh Fabric, Add	50.10	
		For 2-1/8" Mesh Fabric, Deduct	-25.05	
		For Gate With Single Barb Wire Arm, Add	31.67	
		For Gate With Double Barb Wire Arm, Add	46.07	
32 31 13 13-0431	EA	8' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm .....	446.62	41.32
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-60.47	
		For 1" Mesh Fabric, Add	140.28	
		For 1-1/4" Mesh Fabric, Add	90.29	
		For 1-3/4" Mesh Fabric, Add	56.11	
		For 2-1/8" Mesh Fabric, Deduct	-28.06	
		For Gate With Single Barb Wire Arm, Add	35.47	
		For Gate With Double Barb Wire Arm, Add	51.60	
32 31 13 13-0432	EA	9' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm .....	496.59	46.49
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-66.95	
		For 1" Mesh Fabric, Add	155.31	
		For 1-1/4" Mesh Fabric, Add	99.97	
		For 1-3/4" Mesh Fabric, Add	62.12	
		For 2-1/8" Mesh Fabric, Deduct	-31.06	
		For Gate With Single Barb Wire Arm, Add	39.27	
		For Gate With Double Barb Wire Arm, Add	57.13	
32 31 13 13-0433	EA	10' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm .....	546.54	51.56
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-73.42	
		For 1" Mesh Fabric, Add	170.34	
		For 1-1/4" Mesh Fabric, Add	109.65	
		For 1-3/4" Mesh Fabric, Add	68.14	
		For 2-1/8" Mesh Fabric, Deduct	-34.07	
		For Gate With Single Barb Wire Arm, Add	43.07	
		For Gate With Double Barb Wire Arm, Add	62.65	
32 31 13 13-0434	EA	10' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	708.17	51.74
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-103.66	
		For 1" Mesh Fabric, Add	240.48	
		For 1-1/4" Mesh Fabric, Add	154.79	
		For 1-3/4" Mesh Fabric, Add	96.19	
		For 2-1/8" Mesh Fabric, Deduct	-48.10	
		For Gate With Single Barb Wire Arm, Add	60.81	
		For Gate With Double Barb Wire Arm, Add	88.45	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0435	EA		12' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	830.68 -124.39 288.57 185.75 115.43 -57.71 72.97 106.14	55.73
32 31 13 13-0436	EA		14' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	955.20 -145.12 336.67 216.71 134.67 -67.33 85.14 123.83	60.35
32 31 13 13-0437	EA		16' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,114.82 -165.85 384.77 247.67 153.91 -76.95 97.30 141.52	76.65
32 31 13 13-0438	EA		18' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,241.85 -186.58 432.86 278.63 173.15 -86.57 109.46 159.21	82.16
32 31 13 13-0439	EA		20' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,371.38 -207.31 480.96 309.58 192.38 -96.19 121.62 176.90	88.52
32 31 13 13-0440	EA		22' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,504.10 -228.04 529.06 340.54 211.62 -105.81 133.78 194.60	95.87
32 31 13 13-0441	EA		24' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,640.83 -248.77 577.15 371.50 230.86 -115.43 145.95 212.28	104.61
32 31 13 13-0442	EA		26' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,782.81 -269.50 625.25 402.46 250.10 -125.05 158.11 229.98	115.08
32 31 13 13-0443	EA		28' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,931.74 -290.23 673.34 433.41 269.34 -134.67 170.27 247.67	127.82
32 31 13 13-0444	EA		30' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,090.29 -310.97 721.44 464.37 288.58 -144.29 182.43 265.36	143.80
<b>32 31 13 13-0445</b>			<b>6' Fence Height</b> <small>(32 31 13 13-0404)</small>		
32 31 13 13-0446	EA		3' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	225.37 -27.69 64.25 41.36 25.70 -12.85 16.25 23.63	25.82

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 31 13 13-0447	EA	4' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	274.61	25.82
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-36.93	
		For 1" Mesh Fabric, Add	85.67	
		For 1-1/4" Mesh Fabric, Add	55.14	
		For 1-3/4" Mesh Fabric, Add	34.27	
		For 2-1/8" Mesh Fabric, Deduct	-17.13	
		For Gate With Single Barb Wire Arm, Add	21.66	
		For Gate With Double Barb Wire Arm, Add	31.51	
32 31 13 13-0448	EA	5' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	316.33	27.46
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-43.85	
		For 1" Mesh Fabric, Add	101.73	
		For 1-1/4" Mesh Fabric, Add	65.48	
		For 1-3/4" Mesh Fabric, Add	40.69	
		For 2-1/8" Mesh Fabric, Deduct	-20.35	
		For Gate With Single Barb Wire Arm, Add	25.73	
		For Gate With Double Barb Wire Arm, Add	37.42	
32 31 13 13-0449	EA	6' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	370.47	33.17
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-50.77	
		For 1" Mesh Fabric, Add	117.79	
		For 1-1/4" Mesh Fabric, Add	75.82	
		For 1-3/4" Mesh Fabric, Add	47.12	
		For 2-1/8" Mesh Fabric, Deduct	-23.56	
		For Gate With Single Barb Wire Arm, Add	29.79	
		For Gate With Double Barb Wire Arm, Add	43.33	
32 31 13 13-0450	EA	7' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	424.61	38.96
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-57.70	
		For 1" Mesh Fabric, Add	133.86	
		For 1-1/4" Mesh Fabric, Add	86.16	
		For 1-3/4" Mesh Fabric, Add	53.54	
		For 2-1/8" Mesh Fabric, Deduct	-26.77	
		For Gate With Single Barb Wire Arm, Add	33.85	
		For Gate With Double Barb Wire Arm, Add	49.24	
32 31 13 13-0451	EA	8' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	477.85	44.40
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-64.62	
		For 1" Mesh Fabric, Add	149.92	
		For 1-1/4" Mesh Fabric, Add	96.50	
		For 1-3/4" Mesh Fabric, Add	59.97	
		For 2-1/8" Mesh Fabric, Deduct	-29.98	
		For Gate With Single Barb Wire Arm, Add	37.91	
		For Gate With Double Barb Wire Arm, Add	55.14	
32 31 13 13-0452	EA	9' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	532.00	50.11
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-71.54	
		For 1" Mesh Fabric, Add	165.98	
		For 1-1/4" Mesh Fabric, Add	106.84	
		For 1-3/4" Mesh Fabric, Add	66.39	
		For 2-1/8" Mesh Fabric, Deduct	-33.20	
		For Gate With Single Barb Wire Arm, Add	41.97	
		For Gate With Double Barb Wire Arm, Add	61.05	
32 31 13 13-0453	EA	10' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	586.14	55.82
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-78.47	
		For 1" Mesh Fabric, Add	182.05	
		For 1-1/4" Mesh Fabric, Add	117.18	
		For 1-3/4" Mesh Fabric, Add	72.82	
		For 2-1/8" Mesh Fabric, Deduct	-36.41	
		For Gate With Single Barb Wire Arm, Add	46.04	
		For Gate With Double Barb Wire Arm, Add	66.96	
32 31 13 13-0454	EA	10' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	758.10	55.73
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-110.78	
		For 1" Mesh Fabric, Add	257.00	
		For 1-1/4" Mesh Fabric, Add	165.43	
		For 1-3/4" Mesh Fabric, Add	102.80	
		For 2-1/8" Mesh Fabric, Deduct	-51.40	
		For Gate With Single Barb Wire Arm, Add	64.99	
		For Gate With Double Barb Wire Arm, Add	94.53	
32 31 13 13-0455	EA	12' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	890.22	60.35
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-132.93	
		For 1" Mesh Fabric, Add	308.41	
		For 1-1/4" Mesh Fabric, Add	198.51	
		For 1-3/4" Mesh Fabric, Add	123.36	
		For 2-1/8" Mesh Fabric, Deduct	-61.68	
		For Gate With Single Barb Wire Arm, Add	77.99	
		For Gate With Double Barb Wire Arm, Add	113.44	
32 31 13 13-0456	EA	14' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,073.90	82.16
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-155.09	
		For 1" Mesh Fabric, Add	359.81	
		For 1-1/4" Mesh Fabric, Add	231.60	
		For 1-3/4" Mesh Fabric, Add	143.92	
		For 2-1/8" Mesh Fabric, Deduct	-71.96	
		For Gate With Single Barb Wire Arm, Add	90.99	
		For Gate With Double Barb Wire Arm, Add	132.34	
32 31 13 13-0457	EA	16' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,211.03	88.52
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-177.24	
		For 1" Mesh Fabric, Add	411.21	
		For 1-1/4" Mesh Fabric, Add	264.68	
		For 1-3/4" Mesh Fabric, Add	164.48	
		For 2-1/8" Mesh Fabric, Deduct	-82.24	
		For Gate With Single Barb Wire Arm, Add	103.98	
		For Gate With Double Barb Wire Arm, Add	151.25	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0458	EA		18' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,351.35 -199.40 462.61 297.77 185.04 -92.52 116.98 170.16	95.87
32 31 13 13-0459	EA		20' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,517.52 -225.65 523.51 336.97 209.40 -104.70 132.38 192.56	104.61
32 31 13 13-0460	EA		22' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,649.21 -244.45 567.13 365.05 226.85 -113.43 143.41 208.60	115.08
32 31 13 13-0461	EA		24' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,801.78 -265.87 616.81 397.03 246.72 -123.36 155.97 226.87	127.82
32 31 13 13-0462	EA		26' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,967.93 -288.02 668.21 430.11 267.28 -133.64 168.97 245.78	143.80
32 31 13 13-0463	EA		28' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	2,147.78 -310.18 719.61 463.20 287.84 -143.92 181.97 264.68	164.31
32 31 13 13-0464	EA		30' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	2,348.19 -332.33 771.01 496.28 308.40 -154.20 194.97 283.59	191.73
<b>32 31 13 13-0465</b>			<b>7' Fence Height (32 31 13 13-0404)</b>		
32 31 13 13-0466	EA		3' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	238.78 -29.09 67.48 43.44 26.99 -13.50 17.06 24.82	27.81
32 31 13 13-0467	EA		4' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	290.51 -38.79 89.98 57.92 35.99 -18.00 22.75 33.10	27.81
32 31 13 13-0468	EA		5' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	333.55 -46.06 106.86 68.78 42.74 -21.37 27.02 39.30	29.27
32 31 13 13-0469	EA		6' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	391.35 -53.33 123.73 79.64 49.49 -24.75 31.29 45.51	35.61

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 31 13 13-0470	EA	7' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	448.27	41.69
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-60.60	
		For 1" Mesh Fabric, Add	140.60	
		For 1-1/4" Mesh Fabric, Add	90.50	
		For 1-3/4" Mesh Fabric, Add	56.24	
		For 2-1/8" Mesh Fabric, Deduct	-28.12	
		For Gate With Single Barb Wire Arm, Add	35.55	
		For Gate With Double Barb Wire Arm, Add	51.72	
32 31 13 13-0471	EA	8' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	506.09	47.93
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-67.88	
		For 1" Mesh Fabric, Add	157.47	
		For 1-1/4" Mesh Fabric, Add	101.36	
		For 1-3/4" Mesh Fabric, Add	62.99	
		For 2-1/8" Mesh Fabric, Deduct	-31.49	
		For Gate With Single Barb Wire Arm, Add	39.82	
		For Gate With Double Barb Wire Arm, Add	57.92	
32 31 13 13-0472	EA	9' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	563.00	54.00
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-75.15	
		For 1" Mesh Fabric, Add	174.34	
		For 1-1/4" Mesh Fabric, Add	112.22	
		For 1-3/4" Mesh Fabric, Add	69.74	
		For 2-1/8" Mesh Fabric, Deduct	-34.87	
		For Gate With Single Barb Wire Arm, Add	44.09	
		For Gate With Double Barb Wire Arm, Add	64.13	
32 31 13 13-0473	EA	10' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	620.83	60.35
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-82.42	
		For 1" Mesh Fabric, Add	191.22	
		For 1-1/4" Mesh Fabric, Add	123.09	
		For 1-3/4" Mesh Fabric, Add	76.49	
		For 2-1/8" Mesh Fabric, Deduct	-38.24	
		For Gate With Single Barb Wire Arm, Add	48.35	
		For Gate With Double Barb Wire Arm, Add	70.33	
32 31 13 13-0474	EA	10' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	801.82	60.35
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-116.36	
		For 1" Mesh Fabric, Add	269.95	
		For 1-1/4" Mesh Fabric, Add	173.76	
		For 1-3/4" Mesh Fabric, Add	107.98	
		For 2-1/8" Mesh Fabric, Deduct	-53.99	
		For Gate With Single Barb Wire Arm, Add	68.26	
		For Gate With Double Barb Wire Arm, Add	99.29	
32 31 13 13-0475	EA	12' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	991.44	82.16
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-139.63	
		For 1" Mesh Fabric, Add	323.94	
		For 1-1/4" Mesh Fabric, Add	208.51	
		For 1-3/4" Mesh Fabric, Add	129.57	
		For 2-1/8" Mesh Fabric, Deduct	-64.79	
		For Gate With Single Barb Wire Arm, Add	81.91	
		For Gate With Double Barb Wire Arm, Add	119.15	
32 31 13 13-0476	EA	14' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,134.54	88.52
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-162.90	
		For 1" Mesh Fabric, Add	377.93	
		For 1-1/4" Mesh Fabric, Add	243.27	
		For 1-3/4" Mesh Fabric, Add	151.17	
		For 2-1/8" Mesh Fabric, Deduct	-75.59	
		For Gate With Single Barb Wire Arm, Add	95.57	
		For Gate With Double Barb Wire Arm, Add	139.01	
32 31 13 13-0477	EA	16' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,280.78	95.87
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-186.17	
		For 1" Mesh Fabric, Add	431.91	
		For 1-1/4" Mesh Fabric, Add	278.01	
		For 1-3/4" Mesh Fabric, Add	172.76	
		For 2-1/8" Mesh Fabric, Deduct	-86.38	
		For Gate With Single Barb Wire Arm, Add	109.22	
		For Gate With Double Barb Wire Arm, Add	158.86	
32 31 13 13-0478	EA	18' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,431.08	104.61
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-209.44	
		For 1" Mesh Fabric, Add	485.91	
		For 1-1/4" Mesh Fabric, Add	312.77	
		For 1-3/4" Mesh Fabric, Add	194.36	
		For 2-1/8" Mesh Fabric, Deduct	-97.18	
		For Gate With Single Barb Wire Arm, Add	122.87	
		For Gate With Double Barb Wire Arm, Add	178.72	
32 31 13 13-0479	EA	20' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,586.59	115.08
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-232.71	
		For 1" Mesh Fabric, Add	539.89	
		For 1-1/4" Mesh Fabric, Add	347.52	
		For 1-3/4" Mesh Fabric, Add	215.96	
		For 2-1/8" Mesh Fabric, Deduct	-107.98	
		For Gate With Single Barb Wire Arm, Add	136.52	
		For Gate With Double Barb Wire Arm, Add	198.58	
32 31 13 13-0480	EA	22' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,749.05	127.82
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-255.98	
		For 1" Mesh Fabric, Add	593.87	
		For 1-1/4" Mesh Fabric, Add	382.26	
		For 1-3/4" Mesh Fabric, Add	237.55	
		For 2-1/8" Mesh Fabric, Deduct	-118.77	
		For Gate With Single Barb Wire Arm, Add	150.17	
		For Gate With Double Barb Wire Arm, Add	218.44	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0481	EA		24' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,921.16 -279.25 647.87 417.02 259.15 -129.57 163.83 238.30	143.80
32 31 13 13-0482	EA		26' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	2,106.98 -302.53 701.86 451.77 280.75 -140.37 177.48 258.16	164.31
32 31 13 13-0483	EA		28' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	2,313.33 -325.80 755.85 486.52 302.34 -151.17 191.13 278.01	191.73
32 31 13 13-0484	EA		30' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	2,552.61 -349.07 809.84 521.28 323.94 -161.97 204.79 297.87	230.05
<b>32 31 13 13-0485</b>			<b>8' Fence Height (32 31 13 13-0404)</b>		
32 31 13 13-0486	EA		3' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	278.65 -35.26 81.80 52.65 32.72 -16.36 20.68 30.09	30.17
32 31 13 13-0487	EA		4' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	341.33 -47.01 109.06 70.20 43.63 -21.81 27.58 40.12	30.17
32 31 13 13-0488	EA		5' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	383.12 -54.85 127.24 81.90 50.90 -25.45 32.18 46.80	30.17
32 31 13 13-0489	EA		6' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	448.47 -62.68 145.42 93.60 58.17 -29.08 36.77 53.49	38.06
32 31 13 13-0490	EA		7' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	513.81 -70.52 163.59 105.30 65.44 -32.72 41.37 60.17	45.85
32 31 13 13-0491	EA		8' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	578.26 -78.35 181.77 117.00 72.71 -36.35 45.97 66.86	53.37
32 31 13 13-0492	EA		9' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	643.62 -86.19 199.95 128.70 79.98 -39.99 50.56 73.55	61.25

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 31 13 13-0493	EA	10' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	708.95	69.14
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-94.02	
		For 1" Mesh Fabric, Add	218.13	
		For 1-1/4" Mesh Fabric, Add	140.40	
		For 1-3/4" Mesh Fabric, Add	87.25	
		For 2-1/8" Mesh Fabric, Deduct	-43.63	
		For Gate With Single Barb Wire Arm, Add	55.16	
		For Gate With Double Barb Wire Arm, Add	80.23	
32 31 13 13-0494	EA	10' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	998.92	82.16
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-141.03	
		For 1" Mesh Fabric, Add	327.19	
		For 1-1/4" Mesh Fabric, Add	210.60	
		For 1-3/4" Mesh Fabric, Add	130.88	
		For 2-1/8" Mesh Fabric, Deduct	-65.44	
		For Gate With Single Barb Wire Arm, Add	82.74	
		For Gate With Double Barb Wire Arm, Add	120.35	
32 31 13 13-0495	EA	12' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,168.32	88.52
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-169.24	
		For 1" Mesh Fabric, Add	392.63	
		For 1-1/4" Mesh Fabric, Add	252.73	
		For 1-3/4" Mesh Fabric, Add	157.05	
		For 2-1/8" Mesh Fabric, Deduct	-78.53	
		For Gate With Single Barb Wire Arm, Add	99.28	
		For Gate With Double Barb Wire Arm, Add	144.41	
32 31 13 13-0496	EA	14' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,340.90	95.87
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-197.44	
		For 1" Mesh Fabric, Add	458.06	
		For 1-1/4" Mesh Fabric, Add	294.85	
		For 1-3/4" Mesh Fabric, Add	183.23	
		For 2-1/8" Mesh Fabric, Deduct	-91.61	
		For Gate With Single Barb Wire Arm, Add	115.83	
		For Gate With Double Barb Wire Arm, Add	168.48	
32 31 13 13-0497	EA	16' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,517.50	104.61
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-225.65	
		For 1" Mesh Fabric, Add	523.50	
		For 1-1/4" Mesh Fabric, Add	336.97	
		For 1-3/4" Mesh Fabric, Add	209.40	
		For 2-1/8" Mesh Fabric, Deduct	-104.70	
		For Gate With Single Barb Wire Arm, Add	132.38	
		For Gate With Double Barb Wire Arm, Add	192.55	
32 31 13 13-0498	EA	18' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,699.34	115.08
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-253.85	
		For 1" Mesh Fabric, Add	588.94	
		For 1-1/4" Mesh Fabric, Add	379.09	
		For 1-3/4" Mesh Fabric, Add	235.58	
		For 2-1/8" Mesh Fabric, Deduct	-117.79	
		For Gate With Single Barb Wire Arm, Add	148.93	
		For Gate With Double Barb Wire Arm, Add	216.62	
32 31 13 13-0499	EA	20' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,888.14	127.82
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-282.06	
		For 1" Mesh Fabric, Add	654.37	
		For 1-1/4" Mesh Fabric, Add	421.21	
		For 1-3/4" Mesh Fabric, Add	261.75	
		For 2-1/8" Mesh Fabric, Deduct	-130.87	
		For Gate With Single Barb Wire Arm, Add	165.47	
		For Gate With Double Barb Wire Arm, Add	240.69	
32 31 13 13-0500	EA	22' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,086.55	143.80
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-310.26	
		For 1" Mesh Fabric, Add	719.81	
		For 1-1/4" Mesh Fabric, Add	463.33	
		For 1-3/4" Mesh Fabric, Add	287.92	
		For 2-1/8" Mesh Fabric, Deduct	-143.96	
		For Gate With Single Barb Wire Arm, Add	182.02	
		For Gate With Double Barb Wire Arm, Add	264.76	
32 31 13 13-0501	EA	24' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,298.68	164.31
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-338.47	
		For 1" Mesh Fabric, Add	785.25	
		For 1-1/4" Mesh Fabric, Add	505.45	
		For 1-3/4" Mesh Fabric, Add	314.10	
		For 2-1/8" Mesh Fabric, Deduct	-157.05	
		For Gate With Single Barb Wire Arm, Add	198.57	
		For Gate With Double Barb Wire Arm, Add	288.83	
32 31 13 13-0502	EA	26' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,531.36	191.73
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-366.68	
		For 1" Mesh Fabric, Add	850.69	
		For 1-1/4" Mesh Fabric, Add	547.57	
		For 1-3/4" Mesh Fabric, Add	340.28	
		For 2-1/8" Mesh Fabric, Deduct	-170.14	
		For Gate With Single Barb Wire Arm, Add	215.12	
		For Gate With Double Barb Wire Arm, Add	312.90	
32 31 13 13-0503	EA	28' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,796.94	230.05
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-394.88	
		For 1" Mesh Fabric, Add	916.13	
		For 1-1/4" Mesh Fabric, Add	589.69	
		For 1-3/4" Mesh Fabric, Add	366.45	
		For 2-1/8" Mesh Fabric, Deduct	-183.23	
		For Gate With Single Barb Wire Arm, Add	231.66	
		For Gate With Double Barb Wire Arm, Add	336.97	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0504	EA	30' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	3,120.10 -423.09 981.56 631.81 392.63 -196.31 248.21 361.04	287.59
<b>32 31 13</b>	<b>13-0505</b>		<b>10' Fence Height (32 31 13 13-0404)</b>		
32 31 13	13-0506	EA	3' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	318.82 -40.90 94.89 61.08 37.95 -18.98 23.99 34.90	33.53
32 31 13	13-0507	EA	4' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	391.53 -54.53 126.52 81.44 50.61 -25.30 31.99 46.53	33.53
32 31 13	13-0508	EA	5' Wide x 10' High Gate Single Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	444.43 -63.62 147.60 95.01 59.04 -29.52 37.33 54.29	34.97
32 31 13	13-0509	EA	6' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	518.28 -72.71 168.69 108.58 67.48 -33.74 42.66 62.05	43.49
32 31 13	13-0510	EA	7' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	591.22 -81.80 189.78 122.16 75.91 -37.96 47.99 69.80	51.56
32 31 13	13-0511	EA	8' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	665.08 -90.89 210.87 135.73 84.35 -42.17 53.32 77.56	60.08
32 31 13	13-0512	EA	9' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	738.01 -99.98 231.96 149.30 92.78 -46.39 58.66 85.32	68.23
32 31 13	13-0513	EA	10' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	811.86 -109.07 253.04 162.88 101.22 -50.61 63.99 93.07	76.66
32 31 13	13-0514	EA	10' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,146.71 -163.60 379.55 244.31 151.82 -75.91 95.98 139.61	91.33
32 31 13	13-0515	EA	12' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,342.21 -196.32 455.47 293.17 182.19 -91.09 115.18 167.53	98.24

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 31 13 13-0516	EA	14' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,541.41	106.56
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-229.04	
		For 1" Mesh Fabric, Add	531.37	
		For 1-1/4" Mesh Fabric, Add	342.03	
		For 1-3/4" Mesh Fabric, Add	212.55	
		For 2-1/8" Mesh Fabric, Deduct	-106.27	
		For Gate With Single Barb Wire Arm, Add	134.37	
		For Gate With Double Barb Wire Arm, Add	195.45	
32 31 13 13-0517	EA	16' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,744.86	116.16
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-261.76	
		For 1" Mesh Fabric, Add	607.29	
		For 1-1/4" Mesh Fabric, Add	390.90	
		For 1-3/4" Mesh Fabric, Add	242.91	
		For 2-1/8" Mesh Fabric, Deduct	-121.46	
		For Gate With Single Barb Wire Arm, Add	153.57	
		For Gate With Double Barb Wire Arm, Add	223.37	
32 31 13 13-0518	EA	18' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,954.40	127.82
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-294.48	
		For 1" Mesh Fabric, Add	683.20	
		For 1-1/4" Mesh Fabric, Add	439.76	
		For 1-3/4" Mesh Fabric, Add	273.28	
		For 2-1/8" Mesh Fabric, Deduct	-136.64	
		For Gate With Single Barb Wire Arm, Add	172.76	
		For Gate With Double Barb Wire Arm, Add	251.29	
32 31 13 13-0519	EA	20' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,171.35	141.96
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-327.20	
		For 1" Mesh Fabric, Add	759.11	
		For 1-1/4" Mesh Fabric, Add	488.62	
		For 1-3/4" Mesh Fabric, Add	303.64	
		For 2-1/8" Mesh Fabric, Deduct	-151.82	
		For Gate With Single Barb Wire Arm, Add	191.96	
		For Gate With Double Barb Wire Arm, Add	279.21	
32 31 13 13-0520	EA	22' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,399.37	159.78
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-359.92	
		For 1" Mesh Fabric, Add	835.02	
		For 1-1/4" Mesh Fabric, Add	537.48	
		For 1-3/4" Mesh Fabric, Add	334.01	
		For 2-1/8" Mesh Fabric, Deduct	-167.00	
		For Gate With Single Barb Wire Arm, Add	211.15	
		For Gate With Double Barb Wire Arm, Add	307.13	
32 31 13 13-0521	EA	24' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,642.08	182.44
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-392.64	
		For 1" Mesh Fabric, Add	910.93	
		For 1-1/4" Mesh Fabric, Add	586.35	
		For 1-3/4" Mesh Fabric, Add	364.37	
		For 2-1/8" Mesh Fabric, Deduct	-182.19	
		For Gate With Single Barb Wire Arm, Add	230.35	
		For Gate With Double Barb Wire Arm, Add	335.05	
32 31 13 13-0522	EA	26' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,908.32	213.00
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-425.36	
		For 1" Mesh Fabric, Add	986.84	
		For 1-1/4" Mesh Fabric, Add	635.21	
		For 1-3/4" Mesh Fabric, Add	394.74	
		For 2-1/8" Mesh Fabric, Deduct	-197.37	
		For Gate With Single Barb Wire Arm, Add	249.55	
		For Gate With Double Barb Wire Arm, Add	362.98	
32 31 13 13-0523	EA	28' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,210.10	255.42
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-458.08	
		For 1" Mesh Fabric, Add	1,062.75	
		For 1-1/4" Mesh Fabric, Add	684.07	
		For 1-3/4" Mesh Fabric, Add	425.10	
		For 2-1/8" Mesh Fabric, Deduct	-212.55	
		For Gate With Single Barb Wire Arm, Add	268.74	
		For Gate With Double Barb Wire Arm, Add	390.90	
32 31 13 13-0524	EA	30' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,577.20	319.54
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-490.80	
		For 1" Mesh Fabric, Add	1,138.66	
		For 1-1/4" Mesh Fabric, Add	732.93	
		For 1-3/4" Mesh Fabric, Add	455.47	
		For 2-1/8" Mesh Fabric, Deduct	-227.73	
		For Gate With Single Barb Wire Arm, Add	287.94	
		For Gate With Double Barb Wire Arm, Add	418.82	
<b>32 31 13 13-0525</b>		<b>12' Fence Height</b> <small>(32 31 13 13-0404)</small>		
32 31 13 13-0526	EA	3' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	416.08	37.24
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-57.04	
		For 1" Mesh Fabric, Add	132.33	
		For 1-1/4" Mesh Fabric, Add	85.18	
		For 1-3/4" Mesh Fabric, Add	52.93	
		For 2-1/8" Mesh Fabric, Deduct	-26.47	
		For Gate With Single Barb Wire Arm, Add	33.46	
		For Gate With Double Barb Wire Arm, Add	48.67	
32 31 13 13-0527	EA	4' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	517.20	37.24
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-76.00	
		For 1" Mesh Fabric, Add	176.32	
		For 1-1/4" Mesh Fabric, Add	113.49	
		For 1-3/4" Mesh Fabric, Add	70.53	
		For 2-1/8" Mesh Fabric, Deduct	-35.26	
		For Gate With Single Barb Wire Arm, Add	44.59	
		For Gate With Double Barb Wire Arm, Add	64.85	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13	13-0528	EA 5' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	596.54	38.60
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-90.10	
			For 1" Mesh Fabric, Add	209.04	
			For 1-1/4" Mesh Fabric, Add	134.55	
			For 1-3/4" Mesh Fabric, Add	83.62	
			For 2-1/8" Mesh Fabric, Deduct	-41.81	
			For Gate With Single Barb Wire Arm, Add	52.86	
			For Gate With Double Barb Wire Arm, Add	76.89	
32 31	13	13-0529	EA 6' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	687.31	47.93
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-101.86	
			For 1" Mesh Fabric, Add	236.31	
			For 1-1/4" Mesh Fabric, Add	152.10	
			For 1-3/4" Mesh Fabric, Add	94.52	
			For 2-1/8" Mesh Fabric, Deduct	-47.26	
			For Gate With Single Barb Wire Arm, Add	59.76	
			For Gate With Double Barb Wire Arm, Add	86.92	
32 31	13	13-0530	EA 7' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	785.06	57.36
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-114.92	
			For 1" Mesh Fabric, Add	266.60	
			For 1-1/4" Mesh Fabric, Add	171.61	
			For 1-3/4" Mesh Fabric, Add	106.64	
			For 2-1/8" Mesh Fabric, Deduct	-53.32	
			For Gate With Single Barb Wire Arm, Add	67.42	
			For Gate With Double Barb Wire Arm, Add	98.06	
32 31	13	13-0531	EA 8' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	881.88	66.42
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-127.97	
			For 1" Mesh Fabric, Add	296.90	
			For 1-1/4" Mesh Fabric, Add	191.11	
			For 1-3/4" Mesh Fabric, Add	118.76	
			For 2-1/8" Mesh Fabric, Deduct	-59.38	
			For Gate With Single Barb Wire Arm, Add	75.08	
			For Gate With Double Barb Wire Arm, Add	109.20	
32 31	13	13-0532	EA 9' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	979.62	75.76
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-141.03	
			For 1" Mesh Fabric, Add	327.19	
			For 1-1/4" Mesh Fabric, Add	210.61	
			For 1-3/4" Mesh Fabric, Add	130.88	
			For 2-1/8" Mesh Fabric, Deduct	-65.44	
			For Gate With Single Barb Wire Arm, Add	82.74	
			For Gate With Double Barb Wire Arm, Add	120.35	
32 31	13	13-0533	EA 10' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	1,070.39	85.09
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-152.78	
			For 1" Mesh Fabric, Add	354.46	
			For 1-1/4" Mesh Fabric, Add	228.16	
			For 1-3/4" Mesh Fabric, Add	141.78	
			For 2-1/8" Mesh Fabric, Deduct	-70.89	
			For Gate With Single Barb Wire Arm, Add	89.63	
			For Gate With Double Barb Wire Arm, Add	130.38	
32 31	13	13-0534	EA 10' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,526.37	101.48
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-229.10	
			For 1" Mesh Fabric, Add	531.50	
			For 1-1/4" Mesh Fabric, Add	342.12	
			For 1-3/4" Mesh Fabric, Add	212.60	
			For 2-1/8" Mesh Fabric, Deduct	-106.30	
			For Gate With Single Barb Wire Arm, Add	134.40	
			For Gate With Double Barb Wire Arm, Add	195.50	
32 31	13	13-0535	EA 12' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,833.88	109.25
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-282.38	
			For 1" Mesh Fabric, Add	655.11	
			For 1-1/4" Mesh Fabric, Add	421.68	
			For 1-3/4" Mesh Fabric, Add	262.04	
			For 2-1/8" Mesh Fabric, Deduct	-131.02	
			For Gate With Single Barb Wire Arm, Add	165.66	
			For Gate With Double Barb Wire Arm, Add	240.96	
32 31	13	13-0536	EA 14' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,113.80	118.32
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-329.70	
			For 1" Mesh Fabric, Add	764.90	
			For 1-1/4" Mesh Fabric, Add	492.35	
			For 1-3/4" Mesh Fabric, Add	305.96	
			For 2-1/8" Mesh Fabric, Deduct	-152.98	
			For Gate With Single Barb Wire Arm, Add	193.42	
			For Gate With Double Barb Wire Arm, Add	281.34	
32 31	13	13-0537	EA 16' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,396.74	129.00
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-376.71	
			For 1" Mesh Fabric, Add	873.97	
			For 1-1/4" Mesh Fabric, Add	562.55	
			For 1-3/4" Mesh Fabric, Add	349.59	
			For 2-1/8" Mesh Fabric, Deduct	-174.79	
			For Gate With Single Barb Wire Arm, Add	221.00	
			For Gate With Double Barb Wire Arm, Add	321.46	
32 31	13	13-0538	EA 18' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,682.98	142.06
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-423.09	
			For 1" Mesh Fabric, Add	981.58	
			For 1-1/4" Mesh Fabric, Add	631.82	
			For 1-3/4" Mesh Fabric, Add	392.63	
			For 2-1/8" Mesh Fabric, Deduct	-196.32	
			For Gate With Single Barb Wire Arm, Add	248.22	
			For Gate With Double Barb Wire Arm, Add	361.04	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 31 13 13-0539	EA 20' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	2,980.70	157.72
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-470.10	
	For 1" Mesh Fabric, Add	1,090.64	
	For 1-1/4" Mesh Fabric, Add	702.02	
	For 1-3/4" Mesh Fabric, Add	436.26	
	For 2-1/8" Mesh Fabric, Deduct	-218.13	
	For Gate With Single Barb Wire Arm, Add	275.79	
	For Gate With Double Barb Wire Arm, Add	401.16	
32 31 13 13-0540	EA 22' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	3,291.04	177.48
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-517.11	
	For 1" Mesh Fabric, Add	1,199.70	
	For 1-1/4" Mesh Fabric, Add	772.22	
	For 1-3/4" Mesh Fabric, Add	479.88	
	For 2-1/8" Mesh Fabric, Deduct	-239.94	
	For Gate With Single Barb Wire Arm, Add	303.37	
	For Gate With Double Barb Wire Arm, Add	441.27	
32 31 13 13-0541	EA 24' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	3,617.53	202.73
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-564.12	
	For 1" Mesh Fabric, Add	1,308.77	
	For 1-1/4" Mesh Fabric, Add	842.42	
	For 1-3/4" Mesh Fabric, Add	523.51	
	For 2-1/8" Mesh Fabric, Deduct	-261.75	
	For Gate With Single Barb Wire Arm, Add	330.95	
	For Gate With Double Barb Wire Arm, Add	481.39	
32 31 13 13-0542	EA 26' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	3,978.55	236.74
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-612.70	
	For 1" Mesh Fabric, Add	1,421.47	
	For 1-1/4" Mesh Fabric, Add	914.97	
	For 1-3/4" Mesh Fabric, Add	568.59	
	For 2-1/8" Mesh Fabric, Deduct	-284.29	
	For Gate With Single Barb Wire Arm, Add	359.45	
	For Gate With Double Barb Wire Arm, Add	522.84	
32 31 13 13-0543	EA 28' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	4,370.68	283.81
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-659.71	
	For 1" Mesh Fabric, Add	1,530.53	
	For 1-1/4" Mesh Fabric, Add	985.17	
	For 1-3/4" Mesh Fabric, Add	612.21	
	For 2-1/8" Mesh Fabric, Deduct	-306.11	
	For Gate With Single Barb Wire Arm, Add	387.03	
	For Gate With Double Barb Wire Arm, Add	562.96	
32 31 13 13-0544	EA 30' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	4,835.40	355.06
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-706.72	
	For 1" Mesh Fabric, Add	1,639.60	
	For 1-1/4" Mesh Fabric, Add	1,055.37	
	For 1-3/4" Mesh Fabric, Add	655.84	
	For 2-1/8" Mesh Fabric, Deduct	-327.92	
	For Gate With Single Barb Wire Arm, Add	414.61	
	For Gate With Double Barb Wire Arm, Add	603.07	
32 31 13 13-0545	<b>Chain Link Galvanized Steel Sliding Gate</b> <small>(32 31 13 13-0262)</small>		
	Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, upper and lower rails, track brackets, roller gate wheel carrier, track rollers, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. See CSI section 32 31 13 13-0629 for additional gate accessories, 32 31 13 13-0697 for gate replacement parts.		
32 31 13 13-0546	<b>4' High Chain Link Galvanized Steel Sliding Gate</b> <small>(32 31 13 13-0545)</small>		
32 31 13 13-0547	EA 10' Long x 4' High Chain Link Galvanized Steel Sliding Gate .....	2,412.25	350.42
	For 1" Mesh Fabric, Add	744.44	
	For 1-1/4" Mesh Fabric, Add	479.18	
	For 1-3/4" Mesh Fabric, Add	297.78	
	For 2-1/8" Mesh Fabric, Deduct	-148.89	
	For Gate With Barb Wire Arm, Add	188.25	
	For Vinyl Coated, Add	513.41	
32 31 13 13-0548	EA 12' Long x 4' High Chain Link Galvanized Steel Sliding Gate .....	2,899.67	423.07
	For 1" Mesh Fabric, Add	893.33	
	For 1-1/4" Mesh Fabric, Add	575.02	
	For 1-3/4" Mesh Fabric, Add	357.33	
	For 2-1/8" Mesh Fabric, Deduct	-178.67	
	For Gate With Barb Wire Arm, Add	225.90	
	For Vinyl Coated, Add	616.09	
32 31 13 13-0549	EA 14' Long x 4' High Chain Link Galvanized Steel Sliding Gate .....	3,383.14	493.56
	For 1" Mesh Fabric, Add	1,042.22	
	For 1-1/4" Mesh Fabric, Add	670.85	
	For 1-3/4" Mesh Fabric, Add	416.89	
	For 2-1/8" Mesh Fabric, Deduct	-208.44	
	For Gate With Barb Wire Arm, Add	263.55	
	For Vinyl Coated, Add	718.77	
32 31 13 13-0550	EA 16' Long x 4' High Chain Link Galvanized Steel Sliding Gate .....	3,872.74	567.29
	For 1" Mesh Fabric, Add	1,191.11	
	For 1-1/4" Mesh Fabric, Add	766.69	
	For 1-3/4" Mesh Fabric, Add	476.44	
	For 2-1/8" Mesh Fabric, Deduct	-238.22	
	For Gate With Barb Wire Arm, Add	301.20	
	For Vinyl Coated, Add	821.45	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 31 13 13-0551	EA		18' Long x 4' High Chain Link Galvanized Steel Sliding Gate.....	4,356.88	638.22
			<i>For 1" Mesh Fabric, Add</i>	1,340.00	
			<i>For 1-1/4" Mesh Fabric, Add</i>	862.53	
			<i>For 1-3/4" Mesh Fabric, Add</i>	536.00	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-268.00	
			<i>For Gate With Barb Wire Arm, Add</i>	338.85	
			<i>For Vinyl Coated, Add</i>	924.14	
32 31 13 13-0552	EA		20' Long x 4' High Chain Link Galvanized Steel Sliding Gate.....	4,827.92	702.56
			<i>For 1" Mesh Fabric, Add</i>	1,488.89	
			<i>For 1-1/4" Mesh Fabric, Add</i>	958.36	
			<i>For 1-3/4" Mesh Fabric, Add</i>	595.56	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-297.78	
			<i>For Gate With Barb Wire Arm, Add</i>	376.50	
			<i>For Vinyl Coated, Add</i>	1,026.82	
32 31 13 13-0553	EA		24' Long x 4' High Chain Link Galvanized Steel Sliding Gate.....	5,769.19	846.04
			<i>For 1" Mesh Fabric, Add</i>	1,773.55	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,141.60	
			<i>For 1-3/4" Mesh Fabric, Add</i>	709.42	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-354.71	
			<i>For Gate With Barb Wire Arm, Add</i>	448.48	
			<i>For Vinyl Coated, Add</i>	1,223.14	
32 31 13 13-0554	EA		30' Long x 4' High Chain Link Galvanized Steel Sliding Gate.....	8,327.99	1,596.96
			<i>For 1" Mesh Fabric, Add</i>	2,233.33	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,437.55	
			<i>For 1-3/4" Mesh Fabric, Add</i>	893.33	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-446.67	
			<i>For Gate With Barb Wire Arm, Add</i>	564.75	
			<i>For Vinyl Coated, Add</i>	1,540.23	
32 31 13 13-0555	EA		40' Long x 4' High Chain Link Galvanized Steel Sliding Gate.....	11,103.98	2,129.28
			<i>For 1" Mesh Fabric, Add</i>	2,977.77	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,916.73	
			<i>For 1-3/4" Mesh Fabric, Add</i>	1,191.11	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-595.55	
			<i>For Gate With Barb Wire Arm, Add</i>	753.00	
			<i>For Vinyl Coated, Add</i>	2,053.64	

**32 31 13 13-0556 5' High Chain Link Galvanized Steel Sliding Gate (22 31 13 13-0545)**

32 31 13 13-0557	EA		10' Long x 5' High Chain Link Galvanized Steel Sliding Gate.....	2,524.45	381.40
			<i>For 1" Mesh Fabric, Add</i>	766.32	
			<i>For 1-1/4" Mesh Fabric, Add</i>	493.26	
			<i>For 1-3/4" Mesh Fabric, Add</i>	306.53	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-153.26	
			<i>For Gate With Barb Wire Arm, Add</i>	193.78	
			<i>For Vinyl Coated, Add</i>	528.50	
32 31 13 13-0558	EA		12' Long x 5' High Chain Link Galvanized Steel Sliding Gate.....	3,028.27	457.18
			<i>For 1" Mesh Fabric, Add</i>	919.59	
			<i>For 1-1/4" Mesh Fabric, Add</i>	591.92	
			<i>For 1-3/4" Mesh Fabric, Add</i>	367.83	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-183.92	
			<i>For Gate With Barb Wire Arm, Add</i>	232.54	
			<i>For Vinyl Coated, Add</i>	634.20	
32 31 13 13-0559	EA		14' Long x 5' High Chain Link Galvanized Steel Sliding Gate.....	3,532.80	533.29
			<i>For 1" Mesh Fabric, Add</i>	1,072.85	
			<i>For 1-1/4" Mesh Fabric, Add</i>	690.57	
			<i>For 1-3/4" Mesh Fabric, Add</i>	429.14	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-214.57	
			<i>For Gate With Barb Wire Arm, Add</i>	271.30	
			<i>For Vinyl Coated, Add</i>	739.90	
32 31 13 13-0560	EA		16' Long x 5' High Chain Link Galvanized Steel Sliding Gate.....	4,037.79	609.61
			<i>For 1" Mesh Fabric, Add</i>	1,226.12	
			<i>For 1-1/4" Mesh Fabric, Add</i>	789.22	
			<i>For 1-3/4" Mesh Fabric, Add</i>	490.45	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-245.22	
			<i>For Gate With Barb Wire Arm, Add</i>	310.05	
			<i>For Vinyl Coated, Add</i>	845.60	
32 31 13 13-0561	EA		18' Long x 5' High Chain Link Galvanized Steel Sliding Gate.....	4,542.26	685.61
			<i>For 1" Mesh Fabric, Add</i>	1,379.38	
			<i>For 1-1/4" Mesh Fabric, Add</i>	887.87	
			<i>For 1-3/4" Mesh Fabric, Add</i>	551.75	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-275.88	
			<i>For Gate With Barb Wire Arm, Add</i>	348.81	
			<i>For Vinyl Coated, Add</i>	951.29	
32 31 13 13-0562	EA		20' Long x 5' High Chain Link Galvanized Steel Sliding Gate.....	5,047.01	761.83
			<i>For 1" Mesh Fabric, Add</i>	1,532.64	
			<i>For 1-1/4" Mesh Fabric, Add</i>	986.53	
			<i>For 1-3/4" Mesh Fabric, Add</i>	613.06	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-306.53	
			<i>For Gate With Barb Wire Arm, Add</i>	387.57	
			<i>For Vinyl Coated, Add</i>	1,057.00	
32 31 13 13-0563	EA		24' Long x 5' High Chain Link Galvanized Steel Sliding Gate.....	6,027.47	915.23
			<i>For 1" Mesh Fabric, Add</i>	1,825.68	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,175.15	
			<i>For 1-3/4" Mesh Fabric, Add</i>	730.27	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-365.14	
			<i>For Gate With Barb Wire Arm, Add</i>	461.67	
			<i>For Vinyl Coated, Add</i>	1,259.09	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 13-0564	EA	30' Long x 5' High Chain Link Galvanized Steel Sliding Gate .....	7,570.92	1,143.02
			For 1" Mesh Fabric, Add	2,298.96	
			For 1-1/4" Mesh Fabric, Add	1,479.79	
			For 1-3/4" Mesh Fabric, Add	919.58	
			For 2-1/8" Mesh Fabric, Deduct	-459.79	
			For Gate With Barb Wire Arm, Add	581.35	
			For Vinyl Coated, Add	1,585.49	
32 31	13 13-0565	EA	40' Long x 5' High Chain Link Galvanized Steel Sliding Gate .....	10,094.02	1,523.66
			For 1" Mesh Fabric, Add	3,065.28	
			For 1-1/4" Mesh Fabric, Add	1,973.06	
			For 1-3/4" Mesh Fabric, Add	1,226.11	
			For 2-1/8" Mesh Fabric, Deduct	-613.06	
			For Gate With Barb Wire Arm, Add	775.13	
			For Vinyl Coated, Add	2,113.99	
<b>32 31</b>	<b>13 13-0566</b>		<b>6' High Chain Link Galvanized Steel Sliding Gate</b> (32 31 13 13-0545)		
32 31	13 13-0567	EA	10' Long x 6' High Chain Link Galvanized Steel Sliding Gate .....	2,691.08	447.14
			For 1" Mesh Fabric, Add	781.64	
			For 1-1/4" Mesh Fabric, Add	503.12	
			For 1-3/4" Mesh Fabric, Add	312.66	
			For 2-1/8" Mesh Fabric, Deduct	-156.33	
			For Gate With Barb Wire Arm, Add	197.66	
			For Vinyl Coated, Add	539.06	
32 31	13 13-0568	EA	12' Long x 6' High Chain Link Galvanized Steel Sliding Gate .....	3,226.15	534.91
			For 1" Mesh Fabric, Add	937.96	
			For 1-1/4" Mesh Fabric, Add	603.75	
			For 1-3/4" Mesh Fabric, Add	375.19	
			For 2-1/8" Mesh Fabric, Deduct	-187.59	
			For Gate With Barb Wire Arm, Add	237.19	
			For Vinyl Coated, Add	646.87	
32 31	13 13-0569	EA	14' Long x 6' High Chain Link Galvanized Steel Sliding Gate .....	3,763.64	623.97
			For 1" Mesh Fabric, Add	1,094.29	
			For 1-1/4" Mesh Fabric, Add	704.37	
			For 1-3/4" Mesh Fabric, Add	437.72	
			For 2-1/8" Mesh Fabric, Deduct	-218.86	
			For Gate With Barb Wire Arm, Add	276.72	
			For Vinyl Coated, Add	754.69	
32 31	13 13-0570	EA	16' Long x 6' High Chain Link Galvanized Steel Sliding Gate .....	4,301.53	713.25
			For 1" Mesh Fabric, Add	1,250.62	
			For 1-1/4" Mesh Fabric, Add	805.00	
			For 1-3/4" Mesh Fabric, Add	500.25	
			For 2-1/8" Mesh Fabric, Deduct	-250.12	
			For Gate With Barb Wire Arm, Add	316.25	
			For Vinyl Coated, Add	862.50	
32 31	13 13-0571	EA	18' Long x 6' High Chain Link Galvanized Steel Sliding Gate .....	4,839.02	802.32
			For 1" Mesh Fabric, Add	1,406.95	
			For 1-1/4" Mesh Fabric, Add	905.62	
			For 1-3/4" Mesh Fabric, Add	562.78	
			For 2-1/8" Mesh Fabric, Deduct	-281.39	
			For Gate With Barb Wire Arm, Add	355.78	
			For Vinyl Coated, Add	970.31	
32 31	13 13-0572	EA	20' Long x 6' High Chain Link Galvanized Steel Sliding Gate .....	5,382.54	894.40
			For 1" Mesh Fabric, Add	1,563.28	
			For 1-1/4" Mesh Fabric, Add	1,006.25	
			For 1-3/4" Mesh Fabric, Add	625.31	
			For 2-1/8" Mesh Fabric, Deduct	-312.66	
			For Gate With Barb Wire Arm, Add	395.31	
			For Vinyl Coated, Add	1,078.12	
32 31	13 13-0573	EA	24' Long x 6' High Chain Link Galvanized Steel Sliding Gate .....	6,420.67	1,069.93
			For 1" Mesh Fabric, Add	1,862.17	
			For 1-1/4" Mesh Fabric, Add	1,198.64	
			For 1-3/4" Mesh Fabric, Add	744.87	
			For 2-1/8" Mesh Fabric, Deduct	-372.43	
			For Gate With Barb Wire Arm, Add	470.89	
			For Vinyl Coated, Add	1,284.26	
32 31	13 13-0574	EA	30' Long x 6' High Chain Link Galvanized Steel Sliding Gate .....	8,066.03	1,337.76
			For 1" Mesh Fabric, Add	2,344.91	
			For 1-1/4" Mesh Fabric, Add	1,509.37	
			For 1-3/4" Mesh Fabric, Add	937.96	
			For 2-1/8" Mesh Fabric, Deduct	-468.98	
			For Gate With Barb Wire Arm, Add	592.97	
			For Vinyl Coated, Add	1,617.18	
32 31	13 13-0575	EA	40' Long x 6' High Chain Link Galvanized Steel Sliding Gate .....	10,753.24	1,782.85
			For 1" Mesh Fabric, Add	3,126.55	
			For 1-1/4" Mesh Fabric, Add	2,012.49	
			For 1-3/4" Mesh Fabric, Add	1,250.62	
			For 2-1/8" Mesh Fabric, Deduct	-625.31	
			For Gate With Barb Wire Arm, Add	790.62	
			For Vinyl Coated, Add	2,156.24	
<b>32 31</b>	<b>13 13-0576</b>		<b>7' High Chain Link Galvanized Steel Sliding Gate</b> (32 31 13 13-0545)		
32 31	13 13-0577	EA	10' Long x 7' High Chain Link Galvanized Steel Sliding Gate .....	2,864.79	498.74
			For 1" Mesh Fabric, Add	812.27	
			For 1-1/4" Mesh Fabric, Add	522.84	
			For 1-3/4" Mesh Fabric, Add	324.91	
			For 2-1/8" Mesh Fabric, Deduct	-162.45	
			For Gate With Barb Wire Arm, Add	205.40	
			For Vinyl Coated, Add	560.19	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0578	EA		12' Long x 7' High Chain Link Galvanized Steel Sliding Gate.....	3,436.97	598.07
			For 1" Mesh Fabric, Add	974.75	
			For 1-1/4" Mesh Fabric, Add	627.43	
			For 1-3/4" Mesh Fabric, Add	389.90	
			For 2-1/8" Mesh Fabric, Deduct	-194.95	
			For Gate With Barb Wire Arm, Add	246.49	
			For Vinyl Coated, Add	672.24	
32 31 13 13-0579	EA		14' Long x 7' High Chain Link Galvanized Steel Sliding Gate.....	4,010.75	698.25
			For 1" Mesh Fabric, Add	1,137.17	
			For 1-1/4" Mesh Fabric, Add	731.97	
			For 1-3/4" Mesh Fabric, Add	454.87	
			For 2-1/8" Mesh Fabric, Deduct	-227.43	
			For Gate With Barb Wire Arm, Add	287.56	
			For Vinyl Coated, Add	784.26	
32 31 13 13-0580	EA		16' Long x 7' High Chain Link Galvanized Steel Sliding Gate.....	4,582.84	797.56
			For 1" Mesh Fabric, Add	1,299.63	
			For 1-1/4" Mesh Fabric, Add	836.54	
			For 1-3/4" Mesh Fabric, Add	519.85	
			For 2-1/8" Mesh Fabric, Deduct	-259.93	
			For Gate With Barb Wire Arm, Add	328.64	
			For Vinyl Coated, Add	896.30	
32 31 13 13-0581	EA		18' Long x 7' High Chain Link Galvanized Steel Sliding Gate.....	5,155.85	897.42
			For 1" Mesh Fabric, Add	1,462.08	
			For 1-1/4" Mesh Fabric, Add	941.11	
			For 1-3/4" Mesh Fabric, Add	584.83	
			For 2-1/8" Mesh Fabric, Deduct	-292.42	
			For Gate With Barb Wire Arm, Add	369.72	
			For Vinyl Coated, Add	1,008.33	
32 31 13 13-0582	EA		20' Long x 7' High Chain Link Galvanized Steel Sliding Gate.....	5,728.19	996.85
			For 1" Mesh Fabric, Add	1,624.54	
			For 1-1/4" Mesh Fabric, Add	1,045.68	
			For 1-3/4" Mesh Fabric, Add	649.82	
			For 2-1/8" Mesh Fabric, Deduct	-324.91	
			For Gate With Barb Wire Arm, Add	410.80	
			For Vinyl Coated, Add	1,120.37	
32 31 13 13-0583	EA		24' Long x 7' High Chain Link Galvanized Steel Sliding Gate.....	6,840.93	1,196.12
			For 1" Mesh Fabric, Add	1,935.15	
			For 1-1/4" Mesh Fabric, Add	1,245.61	
			For 1-3/4" Mesh Fabric, Add	774.06	
			For 2-1/8" Mesh Fabric, Deduct	-387.03	
			For Gate With Barb Wire Arm, Add	489.35	
			For Vinyl Coated, Add	1,334.58	
32 31 13 13-0584	EA		30' Long x 7' High Chain Link Galvanized Steel Sliding Gate.....	8,592.26	1,495.16
			For 1" Mesh Fabric, Add	2,436.80	
			For 1-1/4" Mesh Fabric, Add	1,568.52	
			For 1-3/4" Mesh Fabric, Add	974.72	
			For 2-1/8" Mesh Fabric, Deduct	-487.36	
			For Gate With Barb Wire Arm, Add	616.20	
			For Vinyl Coated, Add	1,680.56	
32 31 13 13-0585	EA		40' Long x 7' High Chain Link Galvanized Steel Sliding Gate.....	11,456.34	1,993.58
			For 1" Mesh Fabric, Add	3,249.07	
			For 1-1/4" Mesh Fabric, Add	2,091.36	
			For 1-3/4" Mesh Fabric, Add	1,299.63	
			For 2-1/8" Mesh Fabric, Deduct	-649.81	
			For Gate With Barb Wire Arm, Add	821.60	
			For Vinyl Coated, Add	2,240.74	
<b>32 31 13 13-0586</b>			<b>8' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0545)</b>		
32 31 13 13-0587	EA		10' Long x 8' High Chain Link Galvanized Steel Sliding Gate.....	3,003.24	540.31
			For 1" Mesh Fabric, Add	836.34	
			For 1-1/4" Mesh Fabric, Add	538.33	
			For 1-3/4" Mesh Fabric, Add	334.54	
			For 2-1/8" Mesh Fabric, Deduct	-167.27	
			For Gate With Barb Wire Arm, Add	211.49	
			For Vinyl Coated, Add	576.79	
32 31 13 13-0588	EA		12' Long x 8' High Chain Link Galvanized Steel Sliding Gate.....	3,600.78	646.86
			For 1" Mesh Fabric, Add	1,003.61	
			For 1-1/4" Mesh Fabric, Add	646.00	
			For 1-3/4" Mesh Fabric, Add	401.44	
			For 2-1/8" Mesh Fabric, Deduct	-200.72	
			For Gate With Barb Wire Arm, Add	253.79	
			For Vinyl Coated, Add	692.14	
32 31 13 13-0589	EA		14' Long x 8' High Chain Link Galvanized Steel Sliding Gate.....	4,200.96	754.71
			For 1" Mesh Fabric, Add	1,170.87	
			For 1-1/4" Mesh Fabric, Add	753.66	
			For 1-3/4" Mesh Fabric, Add	468.35	
			For 2-1/8" Mesh Fabric, Deduct	-234.17	
			For Gate With Barb Wire Arm, Add	296.08	
			For Vinyl Coated, Add	807.50	
32 31 13 13-0590	EA		16' Long x 8' High Chain Link Galvanized Steel Sliding Gate.....	4,801.36	862.55
			For 1" Mesh Fabric, Add	1,338.13	
			For 1-1/4" Mesh Fabric, Add	861.33	
			For 1-3/4" Mesh Fabric, Add	535.25	
			For 2-1/8" Mesh Fabric, Deduct	-267.63	
			For Gate With Barb Wire Arm, Add	338.38	
			For Vinyl Coated, Add	922.85	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0591	EA		18' Long x 8' High Chain Link Galvanized Steel Sliding Gate .....	5,400.57	969.96
			<i>For 1" Mesh Fabric, Add</i>	1,505.40	
			<i>For 1-1/4" Mesh Fabric, Add</i>	969.00	
			<i>For 1-3/4" Mesh Fabric, Add</i>	602.16	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-301.08	
			<i>For Gate With Barb Wire Arm, Add</i>	380.68	
			<i>For Vinyl Coated, Add</i>	1,038.21	
32 31 13 13-0592	EA		20' Long x 8' High Chain Link Galvanized Steel Sliding Gate .....	6,001.07	1,077.92
			<i>For 1" Mesh Fabric, Add</i>	1,672.67	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,076.66	
			<i>For 1-3/4" Mesh Fabric, Add</i>	669.07	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-334.53	
			<i>For Gate With Barb Wire Arm, Add</i>	422.97	
			<i>For Vinyl Coated, Add</i>	1,153.57	
32 31 13 13-0593	EA		24' Long x 8' High Chain Link Galvanized Steel Sliding Gate .....	7,167.68	1,293.61
			<i>For 1" Mesh Fabric, Add</i>	1,992.48	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,282.52	
			<i>For 1-3/4" Mesh Fabric, Add</i>	796.99	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-398.50	
			<i>For Gate With Barb Wire Arm, Add</i>	503.85	
			<i>For Vinyl Coated, Add</i>	1,374.13	
32 31 13 13-0594	EA		30' Long x 8' High Chain Link Galvanized Steel Sliding Gate .....	9,002.41	1,617.26
			<i>For 1" Mesh Fabric, Add</i>	2,509.01	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,615.00	
			<i>For 1-3/4" Mesh Fabric, Add</i>	1,003.60	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-501.80	
			<i>For Gate With Barb Wire Arm, Add</i>	634.46	
			<i>For Vinyl Coated, Add</i>	1,730.35	
32 31 13 13-0595	EA		40' Long x 8' High Chain Link Galvanized Steel Sliding Gate .....	11,999.97	2,154.76
			<i>For 1" Mesh Fabric, Add</i>	3,345.34	
			<i>For 1-1/4" Mesh Fabric, Add</i>	2,153.32	
			<i>For 1-3/4" Mesh Fabric, Add</i>	1,338.14	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-669.07	
			<i>For Gate With Barb Wire Arm, Add</i>	845.95	
			<i>For Vinyl Coated, Add</i>	2,307.13	
<b>32 31 13 13-0596</b>			<b>9' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0545)</b>		
32 31 13 13-0597	EA		10' Long x 9' High Chain Link Galvanized Steel Sliding Gate .....	3,166.85	589.42
			<i>For 1" Mesh Fabric, Add</i>	864.78	
			<i>For 1-1/4" Mesh Fabric, Add</i>	556.64	
			<i>For 1-3/4" Mesh Fabric, Add</i>	345.91	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-172.96	
			<i>For Gate With Barb Wire Arm, Add</i>	218.68	
			<i>For Vinyl Coated, Add</i>	596.40	
32 31 13 13-0598	EA		12' Long x 9' High Chain Link Galvanized Steel Sliding Gate .....	3,795.84	705.15
			<i>For 1" Mesh Fabric, Add</i>	1,037.74	
			<i>For 1-1/4" Mesh Fabric, Add</i>	667.97	
			<i>For 1-3/4" Mesh Fabric, Add</i>	415.09	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-207.55	
			<i>For Gate With Barb Wire Arm, Add</i>	262.42	
			<i>For Vinyl Coated, Add</i>	715.68	
32 31 13 13-0599	EA		14' Long x 9' High Chain Link Galvanized Steel Sliding Gate .....	4,428.21	822.49
			<i>For 1" Mesh Fabric, Add</i>	1,210.69	
			<i>For 1-1/4" Mesh Fabric, Add</i>	779.30	
			<i>For 1-3/4" Mesh Fabric, Add</i>	484.28	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-242.14	
			<i>For Gate With Barb Wire Arm, Add</i>	306.15	
			<i>For Vinyl Coated, Add</i>	834.96	
32 31 13 13-0600	EA		16' Long x 9' High Chain Link Galvanized Steel Sliding Gate .....	5,061.52	940.39
			<i>For 1" Mesh Fabric, Add</i>	1,383.64	
			<i>For 1-1/4" Mesh Fabric, Add</i>	890.62	
			<i>For 1-3/4" Mesh Fabric, Add</i>	553.46	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-276.73	
			<i>For Gate With Barb Wire Arm, Add</i>	349.89	
			<i>For Vinyl Coated, Add</i>	954.24	
32 31 13 13-0601	EA		18' Long x 9' High Chain Link Galvanized Steel Sliding Gate .....	5,694.09	1,057.84
			<i>For 1" Mesh Fabric, Add</i>	1,556.60	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,001.95	
			<i>For 1-3/4" Mesh Fabric, Add</i>	622.64	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-311.32	
			<i>For Gate With Barb Wire Arm, Add</i>	393.62	
			<i>For Vinyl Coated, Add</i>	1,073.52	
32 31 13 13-0602	EA		20' Long x 9' High Chain Link Galvanized Steel Sliding Gate .....	6,326.66	1,175.30
			<i>For 1" Mesh Fabric, Add</i>	1,729.56	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,113.28	
			<i>For 1-3/4" Mesh Fabric, Add</i>	691.82	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-345.91	
			<i>For Gate With Barb Wire Arm, Add</i>	437.36	
			<i>For Vinyl Coated, Add</i>	1,192.80	
32 31 13 13-0603	EA		24' Long x 9' High Chain Link Galvanized Steel Sliding Gate .....	7,556.67	1,410.19
			<i>For 1" Mesh Fabric, Add</i>	2,060.24	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,326.13	
			<i>For 1-3/4" Mesh Fabric, Add</i>	824.10	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-412.05	
			<i>For Gate With Barb Wire Arm, Add</i>	520.98	
			<i>For Vinyl Coated, Add</i>	1,420.86	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 31 13 13-0604	EA 30' Long x 9' High Chain Link Galvanized Steel Sliding Gate.....	9,489.01	1,762.56
	For 1" Mesh Fabric, Add	2,594.34	
	For 1-1/4" Mesh Fabric, Add	1,669.92	
	For 1-3/4" Mesh Fabric, Add	1,037.73	
	For 2-1/8" Mesh Fabric, Deduct	-518.87	
	For Gate With Barb Wire Arm, Add	656.04	
	For Vinyl Coated, Add	1,789.20	
32 31 13 13-0605	EA 40' Long x 9' High Chain Link Galvanized Steel Sliding Gate.....	12,655.87	2,351.99
	For 1" Mesh Fabric, Add	3,459.12	
	For 1-1/4" Mesh Fabric, Add	2,226.56	
	For 1-3/4" Mesh Fabric, Add	1,383.65	
	For 2-1/8" Mesh Fabric, Deduct	-691.82	
	For Gate With Barb Wire Arm, Add	874.72	
	For Vinyl Coated, Add	2,385.60	

**32 31 13 13-0606 10' High Chain Link Galvanized Steel Sliding Gate** (32 31 13 13-0545)

32 31 13 13-0607	EA 10' Long x 10' High Chain Link Galvanized Steel Sliding Gate.....	3,370.24	648.37
	For 1" Mesh Fabric, Add	901.97	
	For 1-1/4" Mesh Fabric, Add	580.58	
	For 1-3/4" Mesh Fabric, Add	360.79	
	For 2-1/8" Mesh Fabric, Deduct	-180.39	
	For Gate With Barb Wire Arm, Add	228.09	
	For Vinyl Coated, Add	622.05	
32 31 13 13-0608	EA 12' Long x 10' High Chain Link Galvanized Steel Sliding Gate.....	4,044.29	778.02
	For 1" Mesh Fabric, Add	1,082.37	
	For 1-1/4" Mesh Fabric, Add	696.70	
	For 1-3/4" Mesh Fabric, Add	432.95	
	For 2-1/8" Mesh Fabric, Deduct	-216.47	
	For Gate With Barb Wire Arm, Add	273.70	
	For Vinyl Coated, Add	746.46	
32 31 13 13-0609	EA 14' Long x 10' High Chain Link Galvanized Steel Sliding Gate.....	4,718.78	907.89
	For 1" Mesh Fabric, Add	1,262.77	
	For 1-1/4" Mesh Fabric, Add	812.81	
	For 1-3/4" Mesh Fabric, Add	505.11	
	For 2-1/8" Mesh Fabric, Deduct	-252.55	
	For Gate With Barb Wire Arm, Add	319.32	
	For Vinyl Coated, Add	870.87	
32 31 13 13-0610	EA 16' Long x 10' High Chain Link Galvanized Steel Sliding Gate.....	5,392.65	1,037.54
	For 1" Mesh Fabric, Add	1,443.16	
	For 1-1/4" Mesh Fabric, Add	928.93	
	For 1-3/4" Mesh Fabric, Add	577.26	
	For 2-1/8" Mesh Fabric, Deduct	-288.63	
	For Gate With Barb Wire Arm, Add	364.94	
	For Vinyl Coated, Add	995.28	
32 31 13 13-0611	EA 18' Long x 10' High Chain Link Galvanized Steel Sliding Gate.....	6,066.43	1,167.08
	For 1" Mesh Fabric, Add	1,623.55	
	For 1-1/4" Mesh Fabric, Add	1,045.04	
	For 1-3/4" Mesh Fabric, Add	649.42	
	For 2-1/8" Mesh Fabric, Deduct	-324.71	
	For Gate With Barb Wire Arm, Add	410.55	
	For Vinyl Coated, Add	1,119.69	
32 31 13 13-0612	EA 20' Long x 10' High Chain Link Galvanized Steel Sliding Gate.....	6,740.49	1,296.74
	For 1" Mesh Fabric, Add	1,803.95	
	For 1-1/4" Mesh Fabric, Add	1,161.16	
	For 1-3/4" Mesh Fabric, Add	721.58	
	For 2-1/8" Mesh Fabric, Deduct	-360.79	
	For Gate With Barb Wire Arm, Add	456.17	
	For Vinyl Coated, Add	1,244.10	
32 31 13 13-0613	EA 24' Long x 10' High Chain Link Galvanized Steel Sliding Gate.....	8,053.20	1,556.69
	For 1" Mesh Fabric, Add	2,148.86	
	For 1-1/4" Mesh Fabric, Add	1,383.17	
	For 1-3/4" Mesh Fabric, Add	859.54	
	For 2-1/8" Mesh Fabric, Deduct	-429.77	
	For Gate With Barb Wire Arm, Add	543.39	
	For Vinyl Coated, Add	1,481.97	
32 31 13 13-0614	EA 30' Long x 10' High Chain Link Galvanized Steel Sliding Gate.....	10,110.72	1,945.11
	For 1" Mesh Fabric, Add	2,705.92	
	For 1-1/4" Mesh Fabric, Add	1,741.74	
	For 1-3/4" Mesh Fabric, Add	1,082.37	
	For 2-1/8" Mesh Fabric, Deduct	-541.18	
	For Gate With Barb Wire Arm, Add	684.26	
	For Vinyl Coated, Add	1,866.15	
32 31 13 13-0615	EA 40' Long x 10' High Chain Link Galvanized Steel Sliding Gate.....	13,477.87	2,591.97
	For 1" Mesh Fabric, Add	3,607.90	
	For 1-1/4" Mesh Fabric, Add	2,322.33	
	For 1-3/4" Mesh Fabric, Add	1,443.16	
	For 2-1/8" Mesh Fabric, Deduct	-721.58	
	For Gate With Barb Wire Arm, Add	912.34	
	For Vinyl Coated, Add	2,488.21	

**32 31 13 13-0616 Sliding Cantilever Gate, Single Track, Manually Operated Exposed Roller** (32 31 13-0262)

Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, upper rail, track brackets, roller gate wheel carrier, metal track rollers for rail, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, single track, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. Width listed on tasks is opening width of gate. See CSI section 32 31 11 00-0020 for gate operators.

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 13-0617	EA	5' High x 10' Wide Galvanized Cantilever Sliding Gate.....	5,094.85	431.81
			For 1" Mesh Fabric, Add	1,840.58	
			For 1-1/4" Mesh Fabric, Add	1,184.74	
			For 1-3/4" Mesh Fabric, Add	736.23	
			For 2-1/8" Mesh Fabric, Deduct	-368.12	
			For Gate With Single Barb Wire Arm, Add	465.43	
			For Gate With Double Barb Wire Arm, Add	677.00	
			For Aluminized Steel Gate And Post, Add	2,030.99	
			For Powder Coated Gate And Post, Add	888.56	
			For Vinyl Coated, Add	1,269.37	
32 31	13 13-0618	EA	5' High x 12' Wide Galvanized Cantilever Sliding Gate.....	5,598.79	539.77
			For 1" Mesh Fabric, Add	1,965.87	
			For 1-1/4" Mesh Fabric, Add	1,265.39	
			For 1-3/4" Mesh Fabric, Add	786.35	
			For 2-1/8" Mesh Fabric, Deduct	-393.17	
			For Gate With Single Barb Wire Arm, Add	497.12	
			For Gate With Double Barb Wire Arm, Add	723.08	
			For Aluminized Steel Gate And Post, Add	2,169.24	
			For Powder Coated Gate And Post, Add	949.04	
			For Vinyl Coated, Add	1,355.78	
32 31	13 13-0619	EA	5' High x 15' Wide Galvanized Cantilever Sliding Gate.....	6,106.69	647.72
			For 1" Mesh Fabric, Add	2,092.89	
			For 1-1/4" Mesh Fabric, Add	1,347.15	
			For 1-3/4" Mesh Fabric, Add	837.16	
			For 2-1/8" Mesh Fabric, Deduct	-418.58	
			For Gate With Single Barb Wire Arm, Add	529.24	
			For Gate With Double Barb Wire Arm, Add	769.80	
			For Aluminized Steel Gate And Post, Add	2,309.40	
			For Powder Coated Gate And Post, Add	1,010.36	
			For Vinyl Coated, Add	1,443.37	
32 31	13 13-0620	EA	5' High x 20' Wide Galvanized Cantilever Sliding Gate.....	7,180.00	863.63
			For 1" Mesh Fabric, Add	2,371.94	
			For 1-1/4" Mesh Fabric, Add	1,526.77	
			For 1-3/4" Mesh Fabric, Add	948.78	
			For 2-1/8" Mesh Fabric, Deduct	-474.39	
			For Gate With Single Barb Wire Arm, Add	599.80	
			For Gate With Double Barb Wire Arm, Add	872.44	
			For Aluminized Steel Gate And Post, Add	2,617.32	
			For Powder Coated Gate And Post, Add	1,145.08	
			For Vinyl Coated, Add	1,635.82	
32 31	13 13-0621	EA	6' High x 15' Wide Galvanized Cantilever Sliding Gate.....	6,682.27	863.63
			For 1" Mesh Fabric, Add	2,155.43	
			For 1-1/4" Mesh Fabric, Add	1,387.40	
			For 1-3/4" Mesh Fabric, Add	862.17	
			For 2-1/8" Mesh Fabric, Deduct	-431.09	
			For Gate With Single Barb Wire Arm, Add	545.05	
			For Gate With Double Barb Wire Arm, Add	792.80	
			For Aluminized Steel Gate And Post, Add	2,378.40	
			For Powder Coated Gate And Post, Add	1,040.55	
			For Vinyl Coated, Add	1,486.50	
32 31	13 13-0622	EA	6' High x 20' Wide Galvanized Cantilever Sliding Gate.....	7,847.36	1,133.52
			For 1" Mesh Fabric, Add	2,427.44	
			For 1-1/4" Mesh Fabric, Add	1,562.49	
			For 1-3/4" Mesh Fabric, Add	970.98	
			For 2-1/8" Mesh Fabric, Deduct	-485.49	
			For Gate With Single Barb Wire Arm, Add	613.84	
			For Gate With Double Barb Wire Arm, Add	892.85	
			For Aluminized Steel Gate And Post, Add	2,678.56	
			For Powder Coated Gate And Post, Add	1,171.87	
			For Vinyl Coated, Add	1,674.10	
32 31	13 13-0623	EA	6' High x 25' Wide Galvanized Cantilever Sliding Gate.....	10,391.26	1,403.40
			For 1" Mesh Fabric, Add	3,299.24	
			For 1-1/4" Mesh Fabric, Add	2,123.65	
			For 1-3/4" Mesh Fabric, Add	1,319.70	
			For 2-1/8" Mesh Fabric, Deduct	-659.85	
			For Gate With Single Barb Wire Arm, Add	834.29	
			For Gate With Double Barb Wire Arm, Add	1,213.51	
			For Aluminized Steel Gate And Post, Add	3,640.54	
			For Powder Coated Gate And Post, Add	1,592.74	
			For Vinyl Coated, Add	2,275.34	
32 31	13 13-0624	EA	6' High x 30' Wide Galvanized Cantilever Sliding Gate.....	11,716.96	1,673.29
			For 1" Mesh Fabric, Add	3,641.12	
			For 1-1/4" Mesh Fabric, Add	2,343.71	
			For 1-3/4" Mesh Fabric, Add	1,456.45	
			For 2-1/8" Mesh Fabric, Deduct	-728.22	
			For Gate With Single Barb Wire Arm, Add	920.74	
			For Gate With Double Barb Wire Arm, Add	1,339.26	
			For Aluminized Steel Gate And Post, Add	4,017.79	
			For Powder Coated Gate And Post, Add	1,757.78	
			For Vinyl Coated, Add	2,511.12	
32 31	13 13-0625	EA	8' High x 15' Wide Galvanized Cantilever Sliding Gate.....	7,828.13	1,079.54
			For 1" Mesh Fabric, Add	2,466.04	
			For 1-1/4" Mesh Fabric, Add	1,587.34	
			For 1-3/4" Mesh Fabric, Add	986.42	
			For 2-1/8" Mesh Fabric, Deduct	-493.21	
			For Gate With Single Barb Wire Arm, Add	623.60	
			For Gate With Double Barb Wire Arm, Add	907.05	
			For Aluminized Steel Gate And Post, Add	2,721.15	
			For Powder Coated Gate And Post, Add	1,190.50	
			For Vinyl Coated, Add	1,700.72	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0626	EA	8' High x 20' Wide Galvanized Cantilever Sliding Gate.....	9,298.18	1,457.37
			For 1" Mesh Fabric, Add	2,776.79	
			For 1-1/4" Mesh Fabric, Add	1,787.36	
			For 1-3/4" Mesh Fabric, Add	1,110.72	
			For 2-1/8" Mesh Fabric, Deduct	-555.36	
			For Gate With Single Barb Wire Arm, Add	702.18	
			For Gate With Double Barb Wire Arm, Add	1,021.35	
			For Aluminized Steel Gate And Post, Add	3,064.05	
			For Powder Coated Gate And Post, Add	1,340.52	
			For Vinyl Coated, Add	1,915.03	
32 31 13	13-0627	EA	8' High x 25' Wide Galvanized Cantilever Sliding Gate.....	12,346.38	1,835.21
			For 1" Mesh Fabric, Add	3,774.04	
			For 1-1/4" Mesh Fabric, Add	2,429.27	
			For 1-3/4" Mesh Fabric, Add	1,509.62	
			For 2-1/8" Mesh Fabric, Deduct	-754.81	
			For Gate With Single Barb Wire Arm, Add	954.35	
			For Gate With Double Barb Wire Arm, Add	1,388.15	
			For Aluminized Steel Gate And Post, Add	4,164.46	
			For Powder Coated Gate And Post, Add	1,821.95	
			For Vinyl Coated, Add	2,602.79	
32 31 13	13-0628	EA	8' High x 30' Wide Galvanized Cantilever Sliding Gate.....	13,892.05	2,159.07
			For 1" Mesh Fabric, Add	4,164.65	
			For 1-1/4" Mesh Fabric, Add	2,680.69	
			For 1-3/4" Mesh Fabric, Add	1,665.86	
			For 2-1/8" Mesh Fabric, Deduct	-832.93	
			For Gate With Single Barb Wire Arm, Add	1,053.13	
			For Gate With Double Barb Wire Arm, Add	1,531.82	
			For Aluminized Steel Gate And Post, Add	4,595.47	
			For Powder Coated Gate And Post, Add	2,010.52	
			For Vinyl Coated, Add	2,872.17	
<b>32 31 13</b>	<b>13-0629</b>		<b>Gate Accessories (32 31 13 13-0629)</b>		
32 31 13	13-0630	EA	Gate Center Stop, Cast Steel, Ground .....	38.89	
32 31 13	13-0631	EA	Gate Latch, Malleable Galvanized Steel .....	43.16	
32 31 13	13-0632	EA	Gate Keeper, Full Length, Galvanized Steel.....	196.39	
32 31 13	13-0633	EA	Gate Keeper Hold-Open For Cantilever Gate.....	95.34	17.21
32 31 13	13-0634	EA	Heavy Duty Gate Latch, Malleable Galvanized Steel .....	53.55	
32 31 13	13-0635	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For 3' To 5' High Gate.....	821.52	
32 31 13	13-0636	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For >5' To 8' High Gate .....	881.17	
32 31 13	13-0637	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For >8' To 12' High Gate .....	940.82	
32 31 13	13-0638	LF	Aluminum V-Groove Gate Track.....	52.55	9.67
32 31 13	13-0639	LF	Galvanized Steel V-Groove Gate Track.....	42.00	9.67
<b>32 31 13</b>	<b>13-0640</b>		<b>Accessories (32 31 13 13)</b>		
<b>32 31 13</b>	<b>13-0641</b>		<b>Barbed And Concertina Wire (32 31 13 13-0640)</b>		
<b>32 31 13</b>	<b>13-0642</b>		<b>Single Strand Barbed Wire (32 31 13 13-0641)</b>		
32 31 13	13-0643	LF	Galvanized Barbed Wire, Per Strand.....	0.98	0.46
			Note: Includes clips. 4 points 12-1/2 Gauge, Class I.		
			For >500 To 2,000, Deduct	-0.09	
			For >2,000, Deduct	-0.14	
32 31 13	13-0644	LF	Vinyl Coated Barbed Wire (Fused), Per Strand .....	1.11	0.46
			Note: Includes clips.		
			For >500 To 2,000, Deduct	-0.10	
			For >2,000, Deduct	-0.15	
32 31 13	13-0645	EA	Barbed Wire Extension Arms 3 Strands (Single Arm).....	10.73	7.25
32 31 13	13-0646	EA	Barbed Wire Extension Arms 6 Strands (Double Arm) .....	17.26	8.70
32 31 13	13-0647	EA	Barbed Wire Eye Tops (For Single Strand).....	11.07	7.25
<b>32 31 13</b>	<b>13-0648</b>		<b>Galvanized Steel Concertina (Razor) Wire, Single Coil (32 31 13 13-0641)</b>		
32 31 13	13-0649	LF	18" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	3.82	0.63
			For >500 To 1,500, Deduct	-0.33	
			For >1,500 To 5,000, Deduct	-0.66	
			For >5,000, Deduct	-0.95	
			For Ground Installation, Deduct	-0.45	
			For Double Coil (Helix), Add	2.92	
32 31 13	13-0650	LF	18" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	5.77	0.63
			For >500 To 1,500, Deduct	-0.50	
			For >1,500 To 5,000, Deduct	-1.00	
			For >5,000, Deduct	-1.43	
			For Ground Installation, Deduct	-0.68	
			For Double Coil (Helix), Add	4.41	
32 31 13	13-0651	LF	18" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	7.65	0.63
			For >500 To 1,500, Deduct	-0.66	
			For >1,500 To 5,000, Deduct	-1.33	
			For >5,000, Deduct	-1.89	
			For Ground Installation, Deduct	-0.91	
			For Double Coil (Helix), Add	5.84	

## 32 Exterior Improvements

## 32 30 Site Improvements

## 32 31 Fences and Gates

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 31 13 13-0652	LF	24" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	6.29	0.63
		<i>For &gt;500 To 1,500, Deduct</i>	-0.52	
		<i>For &gt;1,500 To 5,000, Deduct</i>	-1.04	
		<i>For &gt;5,000, Deduct</i>	-1.46	
		<i>For Ground Installation, Deduct</i>	-0.50	
		<i>For Double Coil (Helix), Add</i>	5.29	
32 31 13 13-0653	LF	24" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	9.51	0.63
		<i>For &gt;500 To 1,500, Deduct</i>	-0.79	
		<i>For &gt;1,500 To 5,000, Deduct</i>	-1.58	
		<i>For &gt;5,000, Deduct</i>	-2.20	
		<i>For Ground Installation, Deduct</i>	-0.76	
		<i>For Double Coil (Helix), Add</i>	8.00	
32 31 13 13-0654	LF	24" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	12.57	0.63
		<i>For &gt;500 To 1,500, Deduct</i>	-1.04	
		<i>For &gt;1,500 To 5,000, Deduct</i>	-2.09	
		<i>For &gt;5,000, Deduct</i>	-2.91	
		<i>For Ground Installation, Deduct</i>	-1.00	
		<i>For Double Coil (Helix), Add</i>	10.57	
32 31 13 13-0655	LF	30" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	19.07	0.63
		<i>For &gt;500 To 1,500, Deduct</i>	-1.49	
		<i>For &gt;1,500 To 5,000, Deduct</i>	-2.97	
		<i>For &gt;5,000, Deduct</i>	-4.04	
		<i>For Ground Installation, Deduct</i>	-0.57	
		<i>For Double Coil (Helix), Add</i>	17.94	
32 31 13 13-0656	LF	30" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	28.87	0.63
		<i>For &gt;500 To 1,500, Deduct</i>	-2.25	
		<i>For &gt;1,500 To 5,000, Deduct</i>	-4.50	
		<i>For &gt;5,000, Deduct</i>	-6.11	
		<i>For Ground Installation, Deduct</i>	-0.85	
		<i>For Double Coil (Helix), Add</i>	27.17	
32 31 13 13-0657	LF	30" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	38.15	0.63
		<i>For &gt;500 To 1,500, Deduct</i>	-2.97	
		<i>For &gt;1,500 To 5,000, Deduct</i>	-5.95	
		<i>For &gt;5,000, Deduct</i>	-8.08	
		<i>For Ground Installation, Deduct</i>	-1.13	
		<i>For Double Coil (Helix), Add</i>	35.89	
32 31 13 13-0658		<b>Stainless Steel Concertina (Razor) Wire, Single Coil</b> <small>(32 31 13 13-0641)</small>		
32 31 13 13-0659	LF	18" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	6.71	0.63
		<i>For &gt;500 To 1,500, Deduct</i>	-0.55	
		<i>For &gt;1,500 To 5,000, Deduct</i>	-1.10	
		<i>For &gt;5,000, Deduct</i>	-1.52	
		<i>For Ground Installation, Deduct</i>	-0.45	
		<i>For Double Coil (Helix), Add</i>	5.81	
32 31 13 13-0660	LF	18" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	10.14	0.63
		<i>For &gt;500 To 1,500, Deduct</i>	-0.83	
		<i>For &gt;1,500 To 5,000, Deduct</i>	-1.66	
		<i>For &gt;5,000, Deduct</i>	-2.30	
		<i>For Ground Installation, Deduct</i>	-0.68	
		<i>For Double Coil (Helix), Add</i>	8.78	
32 31 13 13-0661	LF	18" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	13.42	0.63
		<i>For &gt;500 To 1,500, Deduct</i>	-1.10	
		<i>For &gt;1,500 To 5,000, Deduct</i>	-2.19	
		<i>For &gt;5,000, Deduct</i>	-3.05	
		<i>For Ground Installation, Deduct</i>	-0.91	
		<i>For Double Coil (Helix), Add</i>	11.61	
32 31 13 13-0662	LF	24" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	8.74	0.63
		<i>For &gt;500 To 1,500, Deduct</i>	-0.71	
		<i>For &gt;1,500 To 5,000, Deduct</i>	-1.41	
		<i>For &gt;5,000, Deduct</i>	-1.95	
		<i>For Ground Installation, Deduct</i>	-0.50	
		<i>For Double Coil (Helix), Add</i>	7.74	
32 31 13 13-0663	LF	24" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	13.22	0.63
		<i>For &gt;500 To 1,500, Deduct</i>	-1.07	
		<i>For &gt;1,500 To 5,000, Deduct</i>	-2.13	
		<i>For &gt;5,000, Deduct</i>	-2.95	
		<i>For Ground Installation, Deduct</i>	-0.76	
		<i>For Double Coil (Helix), Add</i>	11.71	
32 31 13 13-0664	LF	24" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	17.47	0.63
		<i>For &gt;500 To 1,500, Deduct</i>	-1.41	
		<i>For &gt;1,500 To 5,000, Deduct</i>	-2.82	
		<i>For &gt;5,000, Deduct</i>	-3.89	
		<i>For Ground Installation, Deduct</i>	-1.00	
		<i>For Double Coil (Helix), Add</i>	15.47	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0665	LF	30" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence .....	28.34	0.63
		<i>For &gt;500 To 1,500, Deduct</i> .....	-2.18	
		<i>For &gt;1,500 To 5,000, Deduct</i> .....	-4.36	
		<i>For &gt;5,000, Deduct</i> .....	-5.89	
		<i>For Ground Installation, Deduct</i> .....	-0.57	
		<i>For Double Coil (Helix), Add</i> .....	27.21	
32 31 13 13-0666	LF	30" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence .....	42.91	0.63
		<i>For &gt;500 To 1,500, Deduct</i> .....	-3.30	
		<i>For &gt;1,500 To 5,000, Deduct</i> .....	-6.61	
		<i>For &gt;5,000, Deduct</i> .....	-8.92	
		<i>For Ground Installation, Deduct</i> .....	-0.85	
		<i>For Double Coil (Helix), Add</i> .....	41.21	
32 31 13 13-0667	LF	30" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	56.69	0.63
		<i>For &gt;500 To 1,500, Deduct</i> .....	-4.37	
		<i>For &gt;1,500 To 5,000, Deduct</i> .....	-8.73	
		<i>For &gt;5,000, Deduct</i> .....	-11.79	
		<i>For Ground Installation, Deduct</i> .....	-1.13	
		<i>For Double Coil (Helix), Add</i> .....	54.43	
<b>32 31 13 13-0668</b>		<b>Grounding For Gates</b> <small>(32 31 13 13-0640)</small>		
		Note: Includes two of each of the following per opening: 5/8 ground rods, clamps, braided straps and #6 bare copper wire.		
32 31 13 13-0669	OPN	Grounding For Gates (Per Opening).....	412.02	
<b>32 31 13 13-0670</b>		<b>Coiled Spring Reinforcing Wire</b> <small>(32 31 13 13-0640)</small>		
<b>32 31 13 13-0671</b>		<b>Galvanized Steel</b> <small>(32 31 13 13-0670)</small>		
32 31 13 13-0672	LF	7 Gauge, Galvanized Steel, Reinforcing Wire Coiled Spring .....	1.08	0.46
<b>32 31 13 13-0673</b>		<b>Vinyl Coated Steel</b> <small>(32 31 13 13-0670)</small>		
32 31 13 13-0674	LF	9 Gauge, Vinyl Coated Steel, Reinforcing Wire Coiled Spring.....	1.08	0.46
<b>32 31 13 13-0675</b>		<b>Bending Of Fabric Around Pipe Railings</b> <small>(32 31 13 13-0640)</small>		
		Note: Only where specified.		
32 31 13 13-0676	LF	Bend Chain Link Fence Fabric Around Pipe Railing, Top.....	1.42	
32 31 13 13-0677	LF	Bend Chain Link Fence Fabric Around Pipe Railing, Bottom.....	1.23	
<b>32 31 13 13-0678</b>		<b>Mounting Plate With Anchors Or Bolts</b> <small>(32 31 13 13-0640)</small>		
		Note: For drilling for anchor or bolts, installing post on or against flat surface.		
32 31 13 13-0679	EA	Mounting Plate For 1-5/8" Diameter Post .....	38.95	
32 31 13 13-0680	EA	Mounting Plate For 2" Diameter Post.....	39.58	
32 31 13 13-0681	EA	Mounting Plate For 2-1/2" Diameter Post .....	40.71	
32 31 13 13-0682	EA	Mounting Plate For 3" Diameter Post.....	48.98	
32 31 13 13-0683	EA	Mounting Plate For 4" Diameter Post.....	56.28	
32 31 13 13-0684	EA	Mounting Plate For 6-5/8" Diameter Post .....	65.15	
32 31 13 13-0685	EA	Mounting Plate For 8-5/8" Diameter Post .....	76.76	
<b>32 31 13 13-0686</b>		<b>Tension Bar</b> <small>(32 31 13 13-0640)</small>		
32 31 13 13-0687	EA	3' Long x 5/8" Wide x 3/16" Thick Galvanized Steel Tension Bar .....	14.16	
32 31 13 13-0688	EA	3-1/2' Long x 5/8" Wide x 3/16" Thick Galvanized Steel Tension Bar .....	15.07	
32 31 13 13-0689	EA	4' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar .....	18.50	
32 31 13 13-0690	EA	5' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar .....	21.39	
32 31 13 13-0691	EA	6' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar .....	25.22	
32 31 13 13-0692	EA	7' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar .....	29.22	
32 31 13 13-0693	EA	8' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar .....	33.03	
32 31 13 13-0694	EA	9' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar .....	39.57	
32 31 13 13-0695	EA	10' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar .....	47.34	
<b>32 31 13 13-0696</b>		<b>Fence And Gate Repair And Replacement</b> <small>(32 31 13 13)</small>		
<b>32 31 13 13-0697</b>		<b>Fence And Gate Parts Replacement</b> <small>(32 31 13 13-0696)</small>		
32 31 13 13-0698	EA	Cantilever Roller Assembly, Ball Bearing With Fittings, Replacement.....	115.44	
32 31 13 13-0699	EA	Sliding Gate Roller Assembly Replacement .....	112.91	
32 31 13 13-0700	EA	Rod And Lock Gate Keeper Replacement .....	115.06	
32 31 13 13-0701	EA	Galvanized Gate Holdback Replacement .....	25.17	
32 31 13 13-0702	LF	3/8" Cross Bracing Rod Replacement .....	1.47	
32 31 13 13-0703	LF	1-5/8" Diagonal Pipe Bracing Replacement.....	2.30	
32 31 13 13-0704	EA	2-3/8" To 2-1/2" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement .....	26.56	
32 31 13 13-0705	EA	2-7/8" To 3" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement .....	30.20	
32 31 13 13-0706	EA	3-1/2" To 4" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement .....	34.00	
32 31 13 13-0707	EA	6-1/2" To 6-5/8" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement .....	50.81	
32 31 13 13-0708	EA	8-5/8" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement.....	103.00	
32 31 13 13-0709	EA	2-1/2" x 2" Off Set Gate Hinge Replacement .....	23.71	
32 31 13 13-0710	EA	3" x 2" Off Set Gate Hinge Replacement .....	24.74	
32 31 13 13-0711	EA	4" x 2" Off Set Gate Hinge Replacement .....	26.38	
32 31 13 13-0712	EA	6-5/8" x 2" Off Set Gate Hinge Replacement .....	43.33	
32 31 13 13-0713	EA	8-5/8" x 2" Off Set Gate Hinge Replacement .....	68.43	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 31 13 13-0714	EA	1-5/8" Aluminum Die-Cast Post Cap Replacement.....	4.92	
32 31 13 13-0715	EA	2" Aluminum Die-Cast Post Cap Replacement.....	5.39	
32 31 13 13-0716	EA	2-1/2" Aluminum Die-Cast Post Cap Replacement.....	6.21	
32 31 13 13-0717	EA	3" Aluminum Die-Cast Post Cap Replacement.....	7.16	
32 31 13 13-0718	EA	2" Galvanized Post Cap Replacement.....	5.82	
32 31 13 13-0719	EA	2-1/2" Galvanized Post Cap Replacement.....	6.30	
32 31 13 13-0720	EA	3" Galvanized Post Cap Replacement.....	7.23	
32 31 13 13-0721	EA	4" Galvanized Post Cap Replacement.....	10.79	
32 31 13 13-0722	EA	6-5/8" Galvanized Post Cap Replacement.....	20.45	
32 31 13 13-0723	EA	8-5/8" Galvanized Post Cap Replacement.....	33.65	
32 31 13 13-0724	EA	1-5/8" Boulevard Clamp Replacement.....	9.68	
32 31 13 13-0725	EA	2" Boulevard Clamp Replacement.....	11.81	
32 31 13 13-0726	EA	2-1/2" Boulevard Clamp Replacement.....	13.85	
32 31 13 13-0727	EA	3" Boulevard Clamp Replacement.....	16.81	
32 31 13 13-0728	EA	1-5/8" Gate Brace Or End Rail Clamp Replacement.....	9.48	
32 31 13 13-0729	EA	2" Gate Brace Or End Rail Clamp Replacement.....	11.54	
32 31 13 13-0730	EA	2-1/2" Gate Brace Or End Rail Clamp Replacement.....	13.58	
32 31 13 13-0731	EA	3" Gate Brace Or End Rail Clamp Replacement.....	16.52	
32 31 13 13-0732	EA	1-3/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	9.91	
32 31 13 13-0733	EA	1-5/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	9.99	
32 31 13 13-0734	EA	2" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	10.23	
32 31 13 13-0735	EA	2-1/2" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	10.12	
32 31 13 13-0736	EA	3" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	10.30	
32 31 13 13-0737	EA	3-1/2" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	10.44	
32 31 13 13-0738	EA	4" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	10.86	
32 31 13 13-0739	EA	6-5/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	13.89	

**32 31 13 13-0740 Removal And Reinstallation Of Chain Link Fences (32 31 13 13)**

Note: Includes removal, storage, cleaning and reinstallation of fence fabric, rails and other components. Excludes post work.

32 31 13 13-0741	LF	Removal And Reinstallation Of Chain Link Fence Up To 5' Height.....	18.13	
32 31 13 13-0742	LF	Removal And Reinstallation Of Chain Link Fence 6' To 12' Height.....	27.18	

**32 31 16 Welded Wire Fences and Gates (32 31)****32 31 16 00-0001 Welded Wire Fence (32 31 16)****32 31 16 00-0002 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh (32 31 16 00-0001)**

Note: Posts 5' on center.

32 31 16 00-0003	LF	3' High, 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh, Posts At 5'.....	8.87	1.60
32 31 16 00-0004	LF	5' High, 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh, Posts At 5'.....	9.57	1.60

**32 31 16 00-0005 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh (32 31 16 00-0001)**

Note: Posts 5' on center.

32 31 16 00-0006	LF	3' High, 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh, Posts At 5'.....	8.72	1.60
32 31 16 00-0007	LF	5' High, 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh, Posts At 5'.....	9.35	1.60

**32 31 19 Decorative Metal Fences and Gates (32 31)**

See CSI section 32 31 13 13-0001 for drilling and grouting.

**32 31 19 00-0001 Wrought Iron Fence (32 31 19)**

Note: Factory primed.

**32 31 19 00-0002 Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center (32 31 19 00-0001)**

Note: Factory primed.

32 31 19 00-0003	LF	3' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center.....	51.79	9.97
		For Verticals Up To 2" On Center, Add	6.37	
		For Verticals >2" To 2-1/2" On Center, Add	3.19	
		For Verticals >3" To 4" On Center, Deduct	-3.19	
		For Verticals >4" To 6" On Center, Deduct	-6.37	
32 31 19 00-0004	LF	4' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center.....	66.72	12.68
		For Verticals Up To 2" On Center, Add	8.45	
		For Verticals >2" To 2-1/2" On Center, Add	4.22	
		For Verticals >3" To 4" On Center, Deduct	-4.22	
		For Verticals >4" To 6" On Center, Deduct	-8.45	
32 31 19 00-0005	LF	5' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center.....	79.89	13.23
		For Verticals Up To 2" On Center, Add	10.65	
		For Verticals >2" To 2-1/2" On Center, Add	5.33	
		For Verticals >3" To 4" On Center, Deduct	-5.33	
		For Verticals >4" To 6" On Center, Deduct	-10.65	
32 31 19 00-0006	LF	6' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center.....	96.80	15.94
		For Verticals Up To 2" On Center, Add	12.97	
		For Verticals >2" To 2-1/2" On Center, Add	6.48	
		For Verticals >3" To 4" On Center, Deduct	-6.48	
		For Verticals >4" To 6" On Center, Deduct	-12.97	
32 31 19 00-0007	LF	7' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center.....	114.32	16.88
		For Verticals Up To 2" On Center, Add	16.11	
		For Verticals >2" To 2-1/2" On Center, Add	8.06	
		For Verticals >3" To 4" On Center, Deduct	-8.06	
		For Verticals >4" To 6" On Center, Deduct	-16.11	
32 31 19 00-0008	LF	8' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center.....	131.84	17.76
		For Verticals Up To 2" On Center, Add	19.26	
		For Verticals >2" To 2-1/2" On Center, Add	9.63	
		For Verticals >3" To 4" On Center, Deduct	-9.63	
		For Verticals >4" To 6" On Center, Deduct	-19.26	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0009	LF		10' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center.....	161.19	19.93
			For Verticals Up To 2" On Center, Add	24.26	
			For Verticals >2" To 2-1/2" On Center, Add	12.13	
			For Verticals >3" To 4" On Center, Deduct	-12.13	
			For Verticals >4" To 6" On Center, Deduct	-24.26	
32 31 19 00-0010	LF		12' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center.....	190.99	22.66
			For Verticals Up To 2" On Center, Add	29.14	
			For Verticals >2" To 2-1/2" On Center, Add	14.57	
			For Verticals >3" To 4" On Center, Deduct	-14.57	
			For Verticals >4" To 6" On Center, Deduct	-29.14	
32 31 19 00-0011			<b>Wrought Iron Gates</b> (32 31 19 00-0001) Note: Factory primed.		
32 31 19 00-0012			<b>Single Wrought Iron Gates</b> (32 31 19 00-0011) Note: Factory primed.		
32 31 19 00-0013	LF		3' Single Wrought Iron Gate, Hardware And Associated Trim .....	64.03	12.15
32 31 19 00-0014	LF		4' Single Wrought Iron Gate, Hardware And Associated Trim .....	84.06	15.04
32 31 19 00-0015	LF		5' Single Wrought Iron Gate, Hardware And Associated Trim .....	103.03	18.13
32 31 19 00-0016	LF		6' Single Wrought Iron Gate, Hardware And Associated Trim .....	125.36	21.75
32 31 19 00-0017	LF		8' Single Wrought Iron Gate, Hardware And Associated Trim .....	170.41	24.11
32 31 19 00-0018	LF		10' Single Wrought Iron Gate, Hardware And Associated Trim .....	207.44	26.64
32 31 19 00-0019	LF		12' Single Wrought Iron Gate, Hardware And Associated Trim .....	243.75	30.26
32 31 19 00-0020			<b>Double Wrought Iron Gates</b> (32 31 19 00-0011) Note: Factory primed.		
32 31 19 00-0021	LF		3' Double Wrought Iron Gate, Hardware And Associated Trim.....	78.50	10.88
32 31 19 00-0022	LF		4' Double Wrought Iron Gate, Hardware And Associated Trim.....	103.24	13.59
32 31 19 00-0023	LF		5' Double Wrought Iron Gate, Hardware And Associated Trim.....	126.07	16.31
32 31 19 00-0024	LF		6' Double Wrought Iron Gate, Hardware And Associated Trim.....	153.00	19.57
32 31 19 00-0025	LF		8' Double Wrought Iron Gate, Hardware And Associated Trim.....	208.88	21.75
32 31 19 00-0026	LF		10' Double Wrought Iron Gate, Hardware And Associated Trim.....	254.69	23.93
32 31 19 00-0027	LF		12' Double Wrought Iron Gate, Hardware And Associated Trim.....	299.75	27.18
32 31 19 00-0028			<b>Repair Or Replace Wrought Iron Fence</b> (32 31 19 00-0001)		
32 31 19 00-0029	LF		Removal And Replacement Of Wrought Iron Picket.....	18.67	
32 31 19 00-0030	LF		Removal And Replacement Of Wrought Iron Post.....	28.27	
32 31 19 00-0031	EA		Straighten Wrought Iron Post.....	72.50	
32 31 19 00-0032			<b>Steel Tube Fence, Powder Coated</b> (32 31 19) Note: Pickets are 3/4" square x 16 gauge.		
32 31 19 00-0033			<b>Steel Tube Fence, 2 Rail</b> (32 31 19 00-0032)		
32 31 19 00-0034	LF		3' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts .....	67.01	9.97
			For Verticals Up To 2" On Center, Add	9.50	
			For Verticals >2" To 2-1/2" On Center, Add	4.75	
			For Verticals >3" To 4" On Center, Deduct	-4.75	
			For Verticals >4" To 6" On Center, Deduct	-9.50	
			For Solid Pickets, Add	13.61	
			For Aluminum With Satin Finish, Add	11.31	
			For Third Rail, Add	3.56	
			For 1" Square x 14 Gauge Pickets, Add	11.87	
			For 3" Square Posts, Add	4.75	
32 31 19 00-0035	LF		3-6" Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts.....	71.69	10.66
			For Verticals Up To 2" On Center, Add	10.07	
			For Verticals >2" To 2-1/2" On Center, Add	5.04	
			For Verticals >3" To 4" On Center, Deduct	-5.04	
			For Verticals >4" To 6" On Center, Deduct	-10.07	
			For Solid Pickets, Add	14.53	
			For Aluminum With Satin Finish, Add	11.91	
			For Third Rail, Add	3.78	
			For 1" Square x 14 Gauge Pickets, Add	12.59	
			For 3" Square Posts, Add	5.04	
32 31 19 00-0036	LF		4' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts .....	75.83	11.78
			For Verticals Up To 2" On Center, Add	10.55	
			For Verticals >2" To 2-1/2" On Center, Add	5.27	
			For Verticals >3" To 4" On Center, Deduct	-5.27	
			For Verticals >4" To 6" On Center, Deduct	-10.55	
			For Solid Pickets, Add	15.33	
			For Aluminum With Satin Finish, Add	12.36	
			For Third Rail, Add	3.96	
			For 1" Square x 14 Gauge Pickets, Add	13.19	
			For 3" Square Posts, Add	5.27	
32 31 19 00-0037	LF		5' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts .....	80.70	13.23
			For Verticals Up To 2" On Center, Add	10.81	
			For Verticals >2" To 2-1/2" On Center, Add	5.41	
			For Verticals >3" To 4" On Center, Deduct	-5.41	
			For Verticals >4" To 6" On Center, Deduct	-10.81	
			For Solid Pickets, Add	16.16	
			For Aluminum With Satin Finish, Add	12.22	
			For Third Rail, Add	4.05	
			For 1" Square x 14 Gauge Pickets, Add	13.52	
			For 3" Square Posts, Add	5.41	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

32 31 19 00-0038	LF	6" Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts.....	93.62	14.95
		<i>For Verticals Up To 2" On Center, Add</i>	12.74	
		<i>For Verticals &gt;2" To 2-1/2" On Center, Add</i>	6.37	
		<i>For Verticals &gt;3" To 4" On Center, Deduct</i>	-6.37	
		<i>For Verticals &gt;4" To 6" On Center, Deduct</i>	-12.74	
		<i>For Solid Pickets, Add</i>	18.82	
		<i>For Aluminum With Satin Finish, Add</i>	14.63	
		<i>For Third Rail, Add</i>	4.78	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	15.93	
		<i>For 3" Square Posts, Add</i>	6.37	
32 31 19 00-0039	LF	7" Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts.....	107.26	16.31
		<i>For Verticals Up To 2" On Center, Add</i>	14.93	
		<i>For Verticals &gt;2" To 2-1/2" On Center, Add</i>	7.46	
		<i>For Verticals &gt;3" To 4" On Center, Deduct</i>	-7.46	
		<i>For Verticals &gt;4" To 6" On Center, Deduct</i>	-14.93	
		<i>For Solid Pickets, Add</i>	21.69	
		<i>For Aluminum With Satin Finish, Add</i>	17.50	
		<i>For Third Rail, Add</i>	5.60	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	18.66	
		<i>For 4" Square Posts, Add</i>	26.12	
32 31 19 00-0040	LF	8" Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts.....	121.10	17.76
		<i>For Verticals Up To 2" On Center, Add</i>	17.12	
		<i>For Verticals &gt;2" To 2-1/2" On Center, Add</i>	8.56	
		<i>For Verticals &gt;3" To 4" On Center, Deduct</i>	-8.56	
		<i>For Verticals &gt;4" To 6" On Center, Deduct</i>	-17.12	
		<i>For Solid Pickets, Add</i>	24.58	
		<i>For Aluminum With Satin Finish, Add</i>	20.35	
		<i>For Third Rail, Add</i>	6.42	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	21.40	
		<i>For 4" Square Posts, Add</i>	29.95	
32 31 19 00-0041	LF	9" Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts.....	140.96	19.03
		<i>For Verticals Up To 2" On Center, Add</i>	20.58	
		<i>For Verticals &gt;2" To 2-1/2" On Center, Add</i>	10.29	
		<i>For Verticals &gt;3" To 4" On Center, Deduct</i>	-10.29	
		<i>For Verticals &gt;4" To 6" On Center, Deduct</i>	-20.58	
		<i>For Solid Pickets, Add</i>	28.86	
		<i>For Aluminum With Satin Finish, Add</i>	25.16	
		<i>For Third Rail, Add</i>	7.72	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	25.73	
		<i>For 4" Square Posts, Add</i>	36.02	
32 31 19 00-0042	LF	10" Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts.....	160.99	20.39
		<i>For Verticals Up To 2" On Center, Add</i>	24.04	
		<i>For Verticals &gt;2" To 2-1/2" On Center, Add</i>	12.02	
		<i>For Verticals &gt;3" To 4" On Center, Deduct</i>	-12.02	
		<i>For Verticals &gt;4" To 6" On Center, Deduct</i>	-24.04	
		<i>For Solid Pickets, Add</i>	33.17	
		<i>For Aluminum With Satin Finish, Add</i>	29.95	
		<i>For Third Rail, Add</i>	9.02	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	30.06	
		<i>For 6" Square Posts, Add</i>	42.08	
32 31 19 00-0043	LF	12" Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts.....	189.78	22.66
		<i>For Verticals Up To 2" On Center, Add</i>	28.89	
		<i>For Verticals &gt;2" To 2-1/2" On Center, Add</i>	14.45	
		<i>For Verticals &gt;3" To 4" On Center, Deduct</i>	-14.45	
		<i>For Verticals &gt;4" To 6" On Center, Deduct</i>	-28.89	
		<i>For Solid Pickets, Add</i>	39.30	
		<i>For Aluminum With Satin Finish, Add</i>	36.54	
		<i>For Third Rail, Add</i>	10.84	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	36.12	
		<i>For 6" Square Posts, Add</i>	50.56	
32 31 19 00-0044	LF	14" Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts.....	203.28	24.46
		<i>For Verticals Up To 2" On Center, Add</i>	30.87	
		<i>For Verticals &gt;2" To 2-1/2" On Center, Add</i>	15.43	
		<i>For Verticals &gt;3" To 4" On Center, Deduct</i>	-15.43	
		<i>For Verticals &gt;4" To 6" On Center, Deduct</i>	-30.87	
		<i>For Solid Pickets, Add</i>	42.07	
		<i>For Aluminum With Satin Finish, Add</i>	38.96	
		<i>For Third Rail, Add</i>	11.58	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	38.59	
		<i>For 6" Square Posts, Add</i>	54.02	
32 31 19 00-0045		<b>Steel Tube Swing Gates</b> <small>(32 31 19 00-0032)</small>		
32 31 19 00-0046		<b>3' Fence Height Steel Tube Swing Gates, 2 Rail</b> <small>(32 31 19 00-0045)</small>		
32 31 19 00-0047	EA	3' Wide x 3' High Steel Tube Single Swing Gate.....	775.70	19.30
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	170.18	
		<i>For Aluminum With Satin Finish, Add</i>	206.61	
		<i>For Third Rail, Add</i>	53.83	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	71.77	
32 31 19 00-0048	EA	3'-6" Wide x 3' High Steel Tube Single Swing Gate.....	864.00	20.21
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	189.85	
		<i>For Aluminum With Satin Finish, Add</i>	231.88	
		<i>For Third Rail, Add</i>	60.25	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	80.33	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0049	EA		4' Wide x 3' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	957.10	21.39
			<i>For Solid Pickets, Add</i>	210.52	
			<i>For Aluminum With Satin Finish, Add</i>	258.18	
			<i>For Third Rail, Add</i>	66.96	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	89.28	
32 31 19 00-0050	EA		5' Wide x 3' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,006.36	22.93
			<i>For Solid Pickets, Add</i>	221.27	
			<i>For Aluminum With Satin Finish, Add</i>	270.92	
			<i>For Third Rail, Add</i>	70.31	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	93.75	
32 31 19 00-0051	EA		6' Wide x 3' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,123.04	27.46
			<i>For Solid Pickets, Add</i>	246.50	
			<i>For Aluminum With Satin Finish, Add</i>	299.81	
			<i>For Third Rail, Add</i>	78.04	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	104.06	
32 31 19 00-0052	EA		7' Wide x 3' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,193.04	31.99
			<i>For Solid Pickets, Add</i>	261.23	
			<i>For Aluminum With Satin Finish, Add</i>	314.69	
			<i>For Third Rail, Add</i>	82.27	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	109.70	
32 31 19 00-0053	EA		8' Wide x 3' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,300.89	36.79
			<i>For Solid Pickets, Add</i>	284.41	
			<i>For Aluminum With Satin Finish, Add</i>	340.52	
			<i>For Third Rail, Add</i>	89.28	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	119.03	
32 31 19 00-0054	EA		9' Wide x 3' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,394.22	41.32
			<i>For Solid Pickets, Add</i>	304.39	
			<i>For Aluminum With Satin Finish, Add</i>	362.40	
			<i>For Third Rail, Add</i>	95.26	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	127.01	
32 31 19 00-0055	EA		10' Wide x 3' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,475.89	45.85
			<i>For Solid Pickets, Add</i>	321.75	
			<i>For Aluminum With Satin Finish, Add</i>	380.79	
			<i>For Third Rail, Add</i>	100.36	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	133.82	
32 31 19 00-0056	EA		6' Wide x 3' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,623.17	38.60
			<i>For Solid Pickets, Add</i>	356.51	
			<i>For Aluminum With Satin Finish, Add</i>	434.76	
			<i>For Third Rail, Add</i>	113.04	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	150.72	
32 31 19 00-0057	EA		7' Wide x 3' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,729.94	40.42
			<i>For Solid Pickets, Add</i>	380.13	
			<i>For Aluminum With Satin Finish, Add</i>	464.34	
			<i>For Third Rail, Add</i>	120.64	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	160.85	
32 31 19 00-0058	EA		8' Wide x 3' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,914.18	42.86
			<i>For Solid Pickets, Add</i>	421.04	
			<i>For Aluminum With Satin Finish, Add</i>	516.35	
			<i>For Third Rail, Add</i>	133.91	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	178.55	
32 31 19 00-0059	EA		9' Wide x 3' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,006.24	44.40
			<i>For Solid Pickets, Add</i>	441.41	
			<i>For Aluminum With Satin Finish, Add</i>	541.93	
			<i>For Third Rail, Add</i>	140.48	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	187.30	
32 31 19 00-0060	EA		10' Wide x 3' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,080.79	45.85
			<i>For Solid Pickets, Add</i>	457.85	
			<i>For Aluminum With Satin Finish, Add</i>	562.26	
			<i>For Third Rail, Add</i>	145.73	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	194.31	
32 31 19 00-0061	EA		12' Wide x 3' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,339.43	54.92
			<i>For Solid Pickets, Add</i>	514.00	
			<i>For Aluminum With Satin Finish, Add</i>	627.62	
			<i>For Third Rail, Add</i>	163.09	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	217.45	
32 31 19 00-0062	EA		14' Wide x 3' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,561.11	63.98
			<i>For Solid Pickets, Add</i>	561.84	
			<i>For Aluminum With Satin Finish, Add</i>	681.89	
			<i>For Third Rail, Add</i>	177.68	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	236.90	
32 31 19 00-0063	EA		16' Wide x 3' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,745.71	73.67
			<i>For Solid Pickets, Add</i>	601.20	
			<i>For Aluminum With Satin Finish, Add</i>	724.22	
			<i>For Third Rail, Add</i>	189.35	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	252.46	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR		TOTAL DIRECT	DEMOLITION	
CSI	UOM	UNIT COST	UNIT COST	
DESCRIPTION				
32 31 19 00-0064	EA	18' Wide x 3' High Steel Tube Double Swing Gate .....	2,899.33	82.64
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	633.73	
		<i>For Aluminum With Satin Finish, Add</i>	758.07	
		<i>For Third Rail, Add</i>	198.83	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	265.10	
32 31 19 00-0065	EA	20' Wide x 3' High Steel Tube Double Swing Gate .....	3,023.75	91.70
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	659.68	
		<i>For Aluminum With Satin Finish, Add</i>	783.16	
		<i>For Third Rail, Add</i>	206.12	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	274.83	
32 31 19 00-0066		<b>4' Fence Height Steel Tube Swing Gates, 2 Rail</b> (32 31 19 00-0045)		
32 31 19 00-0067	EA	3' Wide x 4' High Steel Tube Single Swing Gate .....	897.51	18.13
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	197.35	
		<i>For Aluminum With Satin Finish, Add</i>	241.73	
		<i>For Third Rail, Add</i>	62.73	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	83.64	
32 31 19 00-0068	EA	3'-6" Wide x 4' High Steel Tube Single Swing Gate .....	971.75	21.11
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	213.89	
		<i>For Aluminum With Satin Finish, Add</i>	262.98	
		<i>For Third Rail, Add</i>	68.12	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	90.83	
32 31 19 00-0069	EA	4' Wide x 4' High Steel Tube Single Swing Gate .....	1,048.24	22.66
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	230.76	
		<i>For Aluminum With Satin Finish, Add</i>	283.89	
		<i>For Third Rail, Add</i>	73.52	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	98.03	
32 31 19 00-0070	EA	5' Wide x 4' High Steel Tube Single Swing Gate .....	1,111.13	24.11
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	244.57	
		<i>For Aluminum With Satin Finish, Add</i>	300.71	
		<i>For Third Rail, Add</i>	77.90	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	103.86	
32 31 19 00-0071	EA	6' Wide x 4' High Steel Tube Single Swing Gate .....	1,195.64	28.99
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	262.49	
		<i>For Aluminum With Satin Finish, Add</i>	319.55	
		<i>For Third Rail, Add</i>	83.15	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	110.87	
32 31 19 00-0072	EA	7' Wide x 4' High Steel Tube Single Swing Gate .....	1,311.28	33.80
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	287.43	
		<i>For Aluminum With Satin Finish, Add</i>	347.71	
		<i>For Third Rail, Add</i>	90.73	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	120.98	
32 31 19 00-0073	EA	8' Wide x 4' High Steel Tube Single Swing Gate .....	1,471.65	38.60
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	322.42	
		<i>For Aluminum With Satin Finish, Add</i>	389.30	
		<i>For Third Rail, Add</i>	101.67	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	135.57	
32 31 19 00-0074	EA	9' Wide x 4' High Steel Tube Single Swing Gate .....	1,628.14	43.49
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	356.54	
		<i>For Aluminum With Satin Finish, Add</i>	429.72	
		<i>For Third Rail, Add</i>	112.32	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	149.77	
32 31 19 00-0075	EA	10' Wide x 4' High Steel Tube Single Swing Gate .....	1,776.84	48.30
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	388.92	
		<i>For Aluminum With Satin Finish, Add</i>	467.81	
		<i>For Third Rail, Add</i>	122.39	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	163.19	
32 31 19 00-0076	EA	6' Wide x 4' High Steel Tube Double Swing Gate .....	1,795.03	40.77
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	394.71	
		<i>For Aluminum With Satin Finish, Add</i>	483.46	
		<i>For Third Rail, Add</i>	125.45	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	167.27	
32 31 19 00-0077	EA	7' Wide x 4' High Steel Tube Double Swing Gate .....	1,943.50	42.22
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	427.77	
		<i>For Aluminum With Satin Finish, Add</i>	525.96	
		<i>For Third Rail, Add</i>	136.25	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	181.66	
32 31 19 00-0078	EA	8' Wide x 4' High Steel Tube Double Swing Gate .....	2,096.48	45.31
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	461.51	
		<i>For Aluminum With Satin Finish, Add</i>	567.78	
		<i>For Third Rail, Add</i>	147.04	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	196.06	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0079	EA		9' Wide x 4' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim.	2,217.71	46.75
			<i>For Solid Pickets, Add</i>	488.45	
			<i>For Aluminum With Satin Finish, Add</i>	602.11	
			<i>For Third Rail, Add</i>	155.79	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	207.73	
32 31 19 00-0080	EA		10' Wide x 4' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim.	2,319.49	48.30
			<i>For Solid Pickets, Add</i>	511.01	
			<i>For Aluminum With Satin Finish, Add</i>	630.61	
			<i>For Third Rail, Add</i>	163.09	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	217.45	
32 31 19 00-0081	EA		12' Wide x 4' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim.	2,630.53	57.90
			<i>For Solid Pickets, Add</i>	578.82	
			<i>For Aluminum With Satin Finish, Add</i>	710.86	
			<i>For Third Rail, Add</i>	184.24	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	245.65	
32 31 19 00-0082	EA		14' Wide x 4' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim.	2,902.64	67.60
			<i>For Solid Pickets, Add</i>	637.87	
			<i>For Aluminum With Satin Finish, Add</i>	779.45	
			<i>For Third Rail, Add</i>	202.47	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	269.97	
32 31 19 00-0083	EA		16' Wide x 4' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim.	3,137.81	77.21
			<i>For Solid Pickets, Add</i>	688.61	
			<i>For Aluminum With Satin Finish, Add</i>	836.95	
			<i>For Third Rail, Add</i>	217.94	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	290.58	
32 31 19 00-0084	EA		18' Wide x 4' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim.	3,339.91	86.90
			<i>For Solid Pickets, Add</i>	731.91	
			<i>For Aluminum With Satin Finish, Add</i>	884.54	
			<i>For Third Rail, Add</i>	230.92	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	307.89	
32 31 19 00-0085	EA		20' Wide x 4' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim.	3,510.90	96.59
			<i>For Solid Pickets, Add</i>	768.20	
			<i>For Aluminum With Satin Finish, Add</i>	922.78	
			<i>For Third Rail, Add</i>	241.57	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	322.09	
<b>32 31 19 00-0086</b>			<b>5' Fence Height Steel Tube Swing Gates, 2 Rail</b> <small>(32 31 19 00-0045)</small>		
32 31 19 00-0087	EA		3' Wide x 5' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim.	977.58	21.11
			<i>For Solid Pickets, Add</i>	215.20	
			<i>For Aluminum With Satin Finish, Add</i>	264.73	
			<i>For Third Rail, Add</i>	68.56	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	91.42	
32 31 19 00-0088	EA		3'-6" Wide x 5' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim.	1,030.74	22.66
			<i>For Solid Pickets, Add</i>	226.82	
			<i>For Aluminum With Satin Finish, Add</i>	278.64	
			<i>For Third Rail, Add</i>	72.21	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	96.28	
32 31 19 00-0089	EA		4' Wide x 5' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim.	1,081.96	24.11
			<i>For Solid Pickets, Add</i>	238.00	
			<i>For Aluminum With Satin Finish, Add</i>	291.96	
			<i>For Third Rail, Add</i>	75.71	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	100.95	
32 31 19 00-0090	EA		5' Wide x 5' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim.	1,156.51	25.64
			<i>For Solid Pickets, Add</i>	254.44	
			<i>For Aluminum With Satin Finish, Add</i>	312.29	
			<i>For Third Rail, Add</i>	80.96	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	107.95	
32 31 19 00-0091	EA		6' Wide x 5' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim.	1,255.54	30.81
			<i>For Solid Pickets, Add</i>	275.56	
			<i>For Aluminum With Satin Finish, Add</i>	335.07	
			<i>For Third Rail, Add</i>	87.23	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	116.31	
32 31 19 00-0092	EA		7' Wide x 5' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim.	1,387.65	35.89
			<i>For Solid Pickets, Add</i>	304.13	
			<i>For Aluminum With Satin Finish, Add</i>	367.77	
			<i>For Third Rail, Add</i>	95.99	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	127.98	
32 31 19 00-0093	EA		8' Wide x 5' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim.	1,573.17	41.32
			<i>For Solid Pickets, Add</i>	344.65	
			<i>For Aluminum With Satin Finish, Add</i>	416.08	
			<i>For Third Rail, Add</i>	108.68	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	144.90	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 31 19 00-0094	EA	9' Wide x 5' High Steel Tube Single Swing Gate.....	1,753.90	46.49
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	384.16	
		<i>For Aluminum With Satin Finish, Add</i>	463.37	
		<i>For Third Rail, Add</i>	121.08	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	161.44	
32 31 19 00-0095	EA	10' Wide x 5' High Steel Tube Single Swing Gate.....	1,930.73	51.56
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	422.79	
		<i>For Aluminum With Satin Finish, Add</i>	509.49	
		<i>For Third Rail, Add</i>	133.18	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	177.58	
32 31 19 00-0096	EA	6' Wide x 5' High Steel Tube Double Swing Gate .....	1,929.97	35.61
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	426.62	
		<i>For Aluminum With Satin Finish, Add</i>	533.24	
		<i>For Third Rail, Add</i>	137.12	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	182.83	
32 31 19 00-0097	EA	7' Wide x 5' High Steel Tube Double Swing Gate .....	2,042.22	41.50
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	450.60	
		<i>For Aluminum With Satin Finish, Add</i>	559.29	
		<i>For Third Rail, Add</i>	144.27	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	192.36	
32 31 19 00-0098	EA	8' Wide x 5' High Steel Tube Double Swing Gate .....	2,155.46	47.76
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	474.74	
		<i>For Aluminum With Satin Finish, Add</i>	585.19	
		<i>For Third Rail, Add</i>	151.42	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	201.89	
32 31 19 00-0099	EA	9' Wide x 5' High Steel Tube Double Swing Gate .....	2,312.45	53.74
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	508.79	
		<i>For Aluminum With Satin Finish, Add</i>	624.66	
		<i>For Third Rail, Add</i>	161.92	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	215.90	
32 31 19 00-0100	EA	10' Wide x 5' High Steel Tube Double Swing Gate .....	2,449.99	59.63
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	538.46	
		<i>For Aluminum With Satin Finish, Add</i>	658.29	
		<i>For Third Rail, Add</i>	170.97	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	227.95	
32 31 19 00-0101	EA	12' Wide x 5' High Steel Tube Double Swing Gate .....	2,789.85	66.33
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	613.51	
		<i>For Aluminum With Satin Finish, Add</i>	751.73	
		<i>For Third Rail, Add</i>	195.03	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	260.05	
32 31 19 00-0102	EA	14' Wide x 5' High Steel Tube Double Swing Gate .....	3,094.76	73.58
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	680.55	
		<i>For Aluminum With Satin Finish, Add</i>	833.78	
		<i>For Third Rail, Add</i>	216.33	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	288.44	
32 31 19 00-0103	EA	16' Wide x 5' High Steel Tube Double Swing Gate .....	3,366.65	81.65
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	740.00	
		<i>For Aluminum With Satin Finish, Add</i>	905.03	
		<i>For Third Rail, Add</i>	235.01	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	313.34	
32 31 19 00-0104	EA	18' Wide x 5' High Steel Tube Double Swing Gate .....	3,610.41	90.70
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	792.90	
		<i>For Aluminum With Satin Finish, Add</i>	966.50	
		<i>For Third Rail, Add</i>	251.34	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	335.12	
32 31 19 00-0105	EA	20' Wide x 5' High Steel Tube Double Swing Gate .....	3,826.03	100.86
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	839.25	
		<i>For Aluminum With Satin Finish, Add</i>	1,018.18	
		<i>For Third Rail, Add</i>	265.35	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	353.80	
<b>32 31 19 00-0106</b>		<b>6' Fence Height Steel Tube Swing Gates, 2 Rail</b> <small>(32 31 19 00-0045)</small>		
32 31 19 00-0107	EA	3' Wide x 6' High Steel Tube Single Swing Gate.....	1,016.99	23.19
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	223.59	
		<i>For Aluminum With Satin Finish, Add</i>	273.70	
		<i>For Third Rail, Add</i>	71.04	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	94.72	
32 31 19 00-0108	EA	3'-6" Wide x 6' High Steel Tube Single Swing Gate .....	1,069.24	24.46
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	235.07	
		<i>For Aluminum With Satin Finish, Add</i>	287.74	
		<i>For Third Rail, Add</i>	74.69	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	99.58	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	19 00-0109	EA	4' Wide x 6' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,122.13  246.65 301.69 78.33 104.45	25.82
32 31	19 00-0110	EA	5' Wide x 6' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,187.23  260.94 319.06 82.86 110.48	27.46
32 31	19 00-0111	EA	6' Wide x 6' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,330.86  291.97 354.40 92.34 123.12	33.17
32 31	19 00-0112	EA	7' Wide x 6' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,484.23  325.19 392.67 102.55 136.73	38.96
32 31	19 00-0113	EA	8' Wide x 6' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,656.14  362.64 436.90 114.22 152.29	44.40
32 31	19 00-0114	EA	9' Wide x 6' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,821.19  398.49 478.66 125.31 167.08	50.11
32 31	19 00-0115	EA	10' Wide x 6' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,023.16  442.64 531.51 139.16 185.55	55.82
32 31	19 00-0116	EA	6' Wide x 6' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,004.07  442.69 551.88 142.08 189.44	38.42
32 31	19 00-0117	EA	7' Wide x 6' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,120.26  467.42 578.22 149.38 199.17	45.04
32 31	19 00-0118	EA	8' Wide x 6' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,235.46  491.99 604.70 156.67 208.89	51.29
32 31	19 00-0119	EA	9' Wide x 6' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,374.99  521.96 638.04 165.71 220.95	57.90
32 31	19 00-0120	EA	10' Wide x 6' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,596.20  570.32 695.88 180.89 241.18	64.51
32 31	19 00-0121	EA	12' Wide x 6' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	3,046.97  670.17 821.69 213.12 284.16	71.86
32 31	19 00-0122	EA	14' Wide x 6' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	3,187.60  700.02 853.11 221.88 295.83	80.29
32 31	19 00-0123	EA	16' Wide x 6' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	3,499.43  768.23 935.00 243.32 324.43	89.34

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR		TOTAL DIRECT	DEMOLITION	
CSI	UOM	UNIT COST	UNIT COST	
DESCRIPTION				
32 31 19 00-0124	EA	18' Wide x 6' High Steel Tube Double Swing Gate	3,785.09	99.41
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	830.34	
		<i>For Aluminum With Satin Finish, Add</i>	1,007.69	
		<i>For Third Rail, Add</i>	262.58	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	350.10	
32 31 19 00-0125	EA	20' Wide x 6' High Steel Tube Double Swing Gate	4,049.44	110.91
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	887.35	
		<i>For Aluminum With Satin Finish, Add</i>	1,072.19	
		<i>For Third Rail, Add</i>	279.93	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	373.25	
<b>32 31 19 00-0126</b>		<b>7' Fence Height Steel Tube Swing Gates, 2 Rail</b> <small>(32.31 19 00-0045)</small>		
32 31 19 00-0127	EA	3' Wide x 7' High Steel Tube Single Swing Gate	1,077.16	25.10
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	236.70	
		<i>For Aluminum With Satin Finish, Add</i>	289.18	
		<i>For Third Rail, Add</i>	75.13	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	100.17	
32 31 19 00-0128	EA	3'-6" Wide x 7' High Steel Tube Single Swing Gate	1,131.71	26.46
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	248.67	
		<i>For Aluminum With Satin Finish, Add</i>	303.75	
		<i>For Third Rail, Add</i>	78.92	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	105.22	
32 31 19 00-0129	EA	4' Wide x 7' High Steel Tube Single Swing Gate	1,186.47	27.81
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	260.68	
		<i>For Aluminum With Satin Finish, Add</i>	318.30	
		<i>For Third Rail, Add</i>	82.71	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	110.28	
32 31 19 00-0130	EA	5' Wide x 7' High Steel Tube Single Swing Gate	1,241.28	29.27
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	272.70	
		<i>For Aluminum With Satin Finish, Add</i>	332.83	
		<i>For Third Rail, Add</i>	86.50	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	115.34	
32 31 19 00-0131	EA	6' Wide x 7' High Steel Tube Single Swing Gate	1,435.36	35.61
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	314.94	
		<i>For Aluminum With Satin Finish, Add</i>	382.49	
		<i>For Third Rail, Add</i>	99.63	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	132.84	
32 31 19 00-0132	EA	7' Wide x 7' High Steel Tube Single Swing Gate	1,612.97	41.69
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	353.54	
		<i>For Aluminum With Satin Finish, Add</i>	427.62	
		<i>For Third Rail, Add</i>	111.59	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	148.79	
32 31 19 00-0133	EA	8' Wide x 7' High Steel Tube Single Swing Gate	1,740.92	47.93
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	380.90	
		<i>For Aluminum With Satin Finish, Add</i>	457.44	
		<i>For Third Rail, Add</i>	119.76	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	159.68	
32 31 19 00-0134	EA	9' Wide x 7' High Steel Tube Single Swing Gate	1,887.43	54.00
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	412.51	
		<i>For Aluminum With Satin Finish, Add</i>	493.23	
		<i>For Third Rail, Add</i>	129.39	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	172.52	
32 31 19 00-0135	EA	10' Wide x 7' High Steel Tube Single Swing Gate	2,067.89	60.35
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	451.68	
		<i>For Aluminum With Satin Finish, Add</i>	538.81	
		<i>For Third Rail, Add</i>	141.50	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	188.67	
32 31 19 00-0136	EA	6' Wide x 7' High Steel Tube Double Swing Gate	2,120.97	41.14
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	468.40	
		<i>For Aluminum With Satin Finish, Add</i>	583.36	
		<i>For Third Rail, Add</i>	150.25	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	200.34	
32 31 19 00-0137	EA	7' Wide x 7' High Steel Tube Double Swing Gate	2,242.05	48.11
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	494.14	
		<i>For Aluminum With Satin Finish, Add</i>	610.71	
		<i>For Third Rail, Add</i>	157.84	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	210.45	
32 31 19 00-0138	EA	8' Wide x 7' High Steel Tube Double Swing Gate	2,364.12	55.46
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	520.04	
		<i>For Aluminum With Satin Finish, Add</i>	637.92	
		<i>For Third Rail, Add</i>	165.42	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	220.56	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0139	EA		9' Wide x 7' High Steel Tube Double Swing Gate.....	2,487.14	62.43
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	546.23	
			For Aluminum With Satin Finish, Add	665.85	
			For Third Rail, Add	173.15	
			For 1" Square x 14 Gauge Pickets, Add	230.87	
32 31 19 00-0140	EA		10' Wide x 7' High Steel Tube Double Swing Gate.....	2,801.76	69.77
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	615.44	
			For Aluminum With Satin Finish, Add	750.82	
			For Third Rail, Add	195.18	
			For 1" Square x 14 Gauge Pickets, Add	260.24	
32 31 19 00-0141	EA		12' Wide x 7' High Steel Tube Double Swing Gate.....	3,390.68	77.84
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	746.23	
			For Aluminum With Satin Finish, Add	917.18	
			For Third Rail, Add	237.63	
			For 1" Square x 14 Gauge Pickets, Add	316.84	
32 31 19 00-0142	EA		14' Wide x 7' High Steel Tube Double Swing Gate.....	3,347.57	87.26
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	734.51	
			For Aluminum With Satin Finish, Add	892.14	
			For Third Rail, Add	232.38	
			For 1" Square x 14 Gauge Pickets, Add	309.84	
32 31 19 00-0143	EA		16' Wide x 7' High Steel Tube Double Swing Gate.....	3,625.44	97.33
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	794.87	
			For Aluminum With Satin Finish, Add	962.49	
			For Third Rail, Add	251.05	
			For 1" Square x 14 Gauge Pickets, Add	334.73	
32 31 19 00-0144	EA		18' Wide x 7' High Steel Tube Double Swing Gate.....	3,957.88	108.83
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	867.20	
			For Aluminum With Satin Finish, Add	1,047.41	
			For Third Rail, Add	273.52	
			For 1" Square x 14 Gauge Pickets, Add	364.69	
32 31 19 00-0145	EA		20' Wide x 7' High Steel Tube Double Swing Gate.....	4,174.63	121.42
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	913.28	
			For Aluminum With Satin Finish, Add	1,096.30	
			For Third Rail, Add	287.08	
			For 1" Square x 14 Gauge Pickets, Add	382.78	
<b>32 31 19 00-0146</b>			<b>8' Fence Height Steel Tube Swing Gates, 2 Rail</b> <small>(32 31 19 00-0045)</small>		
32 31 19 00-0147	EA		3' Wide x 8' High Steel Tube Single Swing Gate.....	1,170.75	27.18
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	257.30	
			For Aluminum With Satin Finish, Add	314.53	
			For Third Rail, Add	81.69	
			For 1" Square x 14 Gauge Pickets, Add	108.92	
32 31 19 00-0148	EA		3'-6" Wide x 8' High Steel Tube Single Swing Gate.....	1,227.80	28.64
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	269.80	
			For Aluminum With Satin Finish, Add	329.60	
			For Third Rail, Add	85.63	
			For 1" Square x 14 Gauge Pickets, Add	114.17	
32 31 19 00-0149	EA		4' Wide x 8' High Steel Tube Single Swing Gate.....	1,288.73	30.17
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	283.17	
			For Aluminum With Satin Finish, Add	345.84	
			For Third Rail, Add	89.86	
			For 1" Square x 14 Gauge Pickets, Add	119.81	
32 31 19 00-0150	EA		5' Wide x 8' High Steel Tube Single Swing Gate.....	1,341.95	33.62
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	294.36	
			For Aluminum With Satin Finish, Add	357.12	
			For Third Rail, Add	93.07	
			For 1" Square x 14 Gauge Pickets, Add	124.09	
32 31 19 00-0151	EA		6' Wide x 8' High Steel Tube Single Swing Gate.....	1,588.48	38.06
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	348.85	
			For Aluminum With Satin Finish, Add	425.17	
			For Third Rail, Add	110.57	
			For 1" Square x 14 Gauge Pickets, Add	147.43	
32 31 19 00-0152	EA		7' Wide x 8' High Steel Tube Single Swing Gate.....	1,765.69	45.85
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	386.95	
			For Aluminum With Satin Finish, Add	467.73	
			For Third Rail, Add	122.10	
			For 1" Square x 14 Gauge Pickets, Add	162.80	
32 31 19 00-0153	EA		8' Wide x 8' High Steel Tube Single Swing Gate.....	1,840.87	53.37
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	402.17	
			For Aluminum With Satin Finish, Add	480.09	
			For Third Rail, Add	126.04	
			For 1" Square x 14 Gauge Pickets, Add	168.05	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

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32 31 19 00-0154	EA	9' Wide x 8' High Steel Tube Single Swing Gate.....	1,971.42	61.25
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	429.77	
		For Aluminum With Satin Finish, Add	508.64	
		For Third Rail, Add	134.06	
		For 1" Square x 14 Gauge Pickets, Add	178.75	
32 31 19 00-0155	EA	10' Wide x 8' High Steel Tube Single Swing Gate.....	2,084.43	69.14
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	453.43	
		For Aluminum With Satin Finish, Add	531.95	
		For Third Rail, Add	140.77	
		For 1" Square x 14 Gauge Pickets, Add	187.69	
32 31 19 00-0156	EA	6' Wide x 8' High Steel Tube Double Swing Gate .....	2,305.94	43.95
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	509.42	
		For Aluminum With Satin Finish, Add	635.26	
		For Third Rail, Add	163.53	
		For 1" Square x 14 Gauge Pickets, Add	218.03	
32 31 19 00-0157	EA	7' Wide x 8' High Steel Tube Double Swing Gate .....	2,440.77	53.01
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	537.81	
		For Aluminum With Satin Finish, Add	664.05	
		For Third Rail, Add	171.69	
		For 1" Square x 14 Gauge Pickets, Add	228.93	
32 31 19 00-0158	EA	8' Wide x 8' High Steel Tube Double Swing Gate .....	2,572.67	61.71
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	565.62	
		For Aluminum With Satin Finish, Add	692.41	
		For Third Rail, Add	179.72	
		For 1" Square x 14 Gauge Pickets, Add	239.62	
32 31 19 00-0159	EA	9' Wide x 8' High Steel Tube Double Swing Gate .....	2,682.23	70.86
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	588.33	
		For Aluminum With Satin Finish, Add	713.61	
		For Third Rail, Add	185.99	
		For 1" Square x 14 Gauge Pickets, Add	247.99	
32 31 19 00-0160	EA	10' Wide x 8' High Steel Tube Double Swing Gate .....	3,118.53	79.92
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	684.55	
		For Aluminum With Satin Finish, Add	832.84	
		For Third Rail, Add	216.77	
		For 1" Square x 14 Gauge Pickets, Add	289.03	
32 31 19 00-0161	EA	12' Wide x 8' High Steel Tube Double Swing Gate .....	3,892.36	89.98
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	856.49	
		For Aluminum With Satin Finish, Add	1,051.99	
		For Third Rail, Add	272.64	
		For 1" Square x 14 Gauge Pickets, Add	363.52	
32 31 19 00-0162	EA	14' Wide x 8' High Steel Tube Double Swing Gate .....	3,547.94	101.49
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	776.53	
		For Aluminum With Satin Finish, Add	933.86	
		For Third Rail, Add	244.34	
		For 1" Square x 14 Gauge Pickets, Add	325.79	
32 31 19 00-0163	EA	16' Wide x 8' High Steel Tube Double Swing Gate .....	3,795.88	114.81
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	829.48	
		For Aluminum With Satin Finish, Add	991.19	
		For Third Rail, Add	260.10	
		For 1" Square x 14 Gauge Pickets, Add	346.79	
32 31 19 00-0164	EA	18' Wide x 8' High Steel Tube Double Swing Gate .....	4,182.00	129.40
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	913.22	
		For Aluminum With Satin Finish, Add	1,088.19	
		For Third Rail, Add	285.92	
		For 1" Square x 14 Gauge Pickets, Add	381.22	
32 31 19 00-0165	EA	20' Wide x 8' High Steel Tube Double Swing Gate .....	4,259.97	145.81
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	927.24	
		For Aluminum With Satin Finish, Add	1,090.50	
		For Third Rail, Add	288.25	
		For 1" Square x 14 Gauge Pickets, Add	384.33	

**32 31 19 00-0166 Replace Steel Tube Fence Pickets (32 31 19 00-0032)**

32 31 19 00-0167	LF	Removal And Replacement Of 3/4" Square x 16 Gauge Steel Tube Fence Picket .....	26.24	
		For 1" Square x 14 Gauge Pickets, Add	0.81	

**32 31 19 00-0168 Removal And Reinstallation Of Ornamental Fences (32 31 19)**

Note: Including storage and cleaning. Excludes augering and concrete.

32 31 19 00-0169	LF	Removal And Reinstallation Of Ornamental Fence Up To 5' Height.....	40.77	
32 31 19 00-0170	LF	Removal And Reinstallation Of Ornamental Fence, 6' Height.....	44.85	
32 31 19 00-0171	LF	Removal And Reinstallation Of Ornamental Fence, 7' Height.....	48.94	
32 31 19 00-0172	LF	Removal And Reinstallation Of Ornamental Fence, 8' Height.....	53.01	
32 31 19 00-0173	LF	Removal And Reinstallation Of Ornamental Fence, 9' Height.....	57.09	
32 31 19 00-0174	LF	Removal And Reinstallation Of Ornamental Fence, 10' Height.....	61.16	
32 31 19 00-0175	LF	Removal And Reinstallation Of Ornamental Fence 12' Height.....	67.96	

MINOR  
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 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

**32 31 26 Wire Fences and Gates (32 31)**
**32 31 26 13 Wire Fences with Steel Posts (32 31 26)**

32 31 26 13-0001	Wire And Screen (32 31 26 13)		
32 31 26 13-0002	Wire And Screen For Partitions And Fences (32 31 26 13-0001) Note: Excludes framing and post.		
32 31 26 13-0003	Screen Wire (32 31 26 13-0002)		
32 31 26 13-0004	LF Screen Wire, 48" Wide Rolls.....	12.57	1.12
32 31 26 13-0005	Hog Wire (32 31 26 13-0002)		
32 31 26 13-0006	SF 4" x 4" Hog Wire For Fencing.....	2.24	0.89
32 31 26 13-0007	SF 6" x 6" Hog Wire For Fencing.....	2.35	1.01
32 31 26 13-0008	Non-Climb Horse Fence (32 31 26 13-0002)		
32 31 26 13-0009	LF 4' Non-Climb Woven, 12.5 Gauge, Horse Fence.....	10.09	3.58
32 31 26 13-0010	LF 5' Non-Climb Woven, 12.5 Gauge, Horse Fence.....	12.92	4.47
32 31 26 13-0011	LF 6' Non-Climb Woven, 12.5 Gauge, Horse Fence.....	16.16	5.36
32 31 26 13-0012	Screen For Partitions And Ceilings (32 31 26 13-0001) Note: Can be used to support insulation on walls and ceilings.		
32 31 26 13-0013	SF 1" Mesh Chicken Wire.....	2.05	

**32 31 29 Wood Fences and Gates (32 31)**

See CSI section 32.31.13.13-0001 for drilling for augering holes and backfill.

**32 31 29 00-0001 Basket Weave (32 31 29)**

32 31 29 00-0002	LF 6' High #1 Cedar Basket Weave Fence 3/8" x 4" Boards, 4" x 4" Post.....	39.50	3.19
	<i>For Fastening With Screws Instead Of Nails, Add</i>	2.31	
32 31 29 00-0003	LF 6' High, Pressure Treated Pine Basket Weave 3/8" x 4" Boards, 4" x 4" Post.....	25.88	3.19
	<i>For Fastening With Screws Instead Of Nails, Add</i>	1.65	

**32 31 29 00-0004 Board Fence (32 31 29)**

32 31 29 00-0005	LF Two 2" x 4" Rails, 3' High 1" x 4" Boards, Preservative Treated Board Fence.....	26.05	3.19
	<i>For 1" x 6" Boards, Deduct</i>	-2.66	
	<i>For 1" x 3" Boards (Stockade Top), Add</i>	3.28	
	<i>For Fastening With Screws Instead Of Nails, Add</i>	1.67	
32 31 29 00-0006	LF Two 2" x 4" Rails, 4' High 1" x 4" Boards, Preservative Treated Board Fence.....	29.04	3.19
	<i>For 1" x 6" Boards, Deduct</i>	-2.90	
	<i>For 1" x 3" Boards (Stockade Top), Add</i>	3.55	
	<i>For Fastening With Screws Instead Of Nails, Add</i>	1.85	
32 31 29 00-0007	LF Three 2" x 4" Rails, 5' High 1" x 4" Boards, Preservative Treated Board Fence.....	32.58	3.19
	<i>For 1" x 6" Boards, Deduct</i>	-3.11	
	<i>For 1" x 3" Boards (Stockade Top), Add</i>	3.76	
	<i>For Fastening With Screws Instead Of Nails, Add</i>	2.04	
32 31 29 00-0008	LF Three 2" x 4" Rails, 6' High 1" x 4" Boards, Preservative Treated Board Fence.....	34.85	3.19
	<i>For 1" x 6" Boards, Deduct</i>	-3.27	
	<i>For 1" x 3" Boards (Stockade Top), Add</i>	3.94	
	<i>For Fastening With Screws Instead Of Nails, Add</i>	2.17	
32 31 29 00-0009	LF Three 2" x 4" Rails, 8' High 1" x 4" Boards, Preservative Treated Board Fence.....	37.30	3.19
	<i>For 1" x 6" Boards, Deduct</i>	-3.44	
	<i>For 1" x 3" Boards (Stockade Top), Add</i>	4.13	
	<i>For Fastening With Screws Instead Of Nails, Add</i>	2.31	
32 31 29 00-0010	LF Two 2" x 4" Rails, 3' High 1" x 4" #2 Grade Western Cedar Board Fence.....	27.96	3.19
	<i>For 1" x 6" Boards, Deduct</i>	-2.74	
	<i>For 1" x 3" Boards (Stockade Top), Add</i>	3.34	
	<i>For Fastening With Screws Instead Of Nails, Add</i>	1.77	
32 31 29 00-0011	LF Two 2" x 4" Rails, 4' High 1" x 4" #2 Grade Western Cedar Board Fence.....	30.52	3.19
	<i>For 1" x 6" Boards, Deduct</i>	-2.96	
	<i>For 1" x 3" Boards (Stockade Top), Add</i>	3.60	
	<i>For Fastening With Screws Instead Of Nails, Add</i>	1.92	
32 31 29 00-0012	LF Three 2" x 4" Rails, 5' High 1" x 4" #2 Grade Western Cedar Board Fence.....	32.58	3.19
	<i>For 1" x 6" Boards, Deduct</i>	-3.11	
	<i>For 1" x 3" Boards (Stockade Top), Add</i>	3.76	
	<i>For Fastening With Screws Instead Of Nails, Add</i>	2.04	
32 31 29 00-0013	LF Three 2" x 4" Rails, 6' High 1" x 4" #2 Grade Western Cedar Board Fence.....	34.85	3.19
	<i>For 1" x 6" Boards, Deduct</i>	-3.27	
	<i>For 1" x 3" Boards (Stockade Top), Add</i>	3.94	
	<i>For Fastening With Screws Instead Of Nails, Add</i>	2.17	
32 31 29 00-0014	LF Three 2" x 4" Rails, 8' High 1" x 4" #2 Grade Western Cedar Board Fence.....	37.30	3.19
	<i>For 1" x 6" Boards, Deduct</i>	-3.44	
	<i>For 1" x 3" Boards (Stockade Top), Add</i>	4.13	
	<i>For Fastening With Screws Instead Of Nails, Add</i>	2.31	
32 31 29 00-0015	LF Two 2" x 4" Rails, 3' High 1" x 4" #1 Grade Cedar Board Fence.....	27.97	3.19
	<i>For 1" x 6" Boards, Deduct</i>	-2.74	
	<i>For 1" x 3" Boards (Stockade Top), Add</i>	3.34	
	<i>For Fastening With Screws Instead Of Nails, Add</i>	1.77	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 29 00-0016	LF	Two 2" x 4" Rails, 4' High 1" x 4" #1 Grade Cedar Board Fence..... <i>For 1" x 6" Boards, Deduct</i> <i>For 1" x 3" Boards (Stockade Top), Add</i> <i>For Fastening With Screws Instead Of Nails, Add</i>	37.05 -3.22 3.79 2.25	3.19
32 31 29 00-0017	LF	Three 2" x 4" Rails, 5' High 1" x 4" #1 Grade Cedar Board Fence..... <i>For 1" x 6" Boards, Deduct</i> <i>For 1" x 3" Boards (Stockade Top), Add</i> <i>For Fastening With Screws Instead Of Nails, Add</i>	38.85 -3.36 3.95 2.35	3.19
32 31 29 00-0018	LF	Three 2" x 4" Rails, 6' High 1" x 4" #1 Grade Cedar Board Fence..... <i>For 1" x 6" Boards, Deduct</i> <i>For 1" x 3" Boards (Stockade Top), Add</i> <i>For Fastening With Screws Instead Of Nails, Add</i>	41.86 -3.55 4.15 2.52	3.19
32 31 29 00-0019	LF	Three 2" x 4" Rails, 8' High 1" x 4" #1 Grade Cedar Board Fence..... <i>For 1" x 6" Boards, Deduct</i> <i>For 1" x 3" Boards (Stockade Top), Add</i> <i>For Fastening With Screws Instead Of Nails, Add</i>	45.11 -3.75 4.36 2.70	3.19
<b>32 31 29 00-0020</b>		<b>Shadow Box</b> <small>(32 31 29)</small> Note: 1x6" board, 2x4" Rail, 4x4" post.		
32 31 29 00-0021	LF	Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 6" Pressure Treated Pine..... <i>For Fastening With Screws Instead Of Nails, Add</i>	53.54 3.01	3.19
32 31 29 00-0022	LF	Shadow Box, 3 - 2" x 4" Rails, 4' High 1" x 4" #1 Cedar..... <i>For Fastening With Screws Instead Of Nails, Add</i>	67.27 3.76	3.19
32 31 29 00-0023	LF	Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 4" #1 Cedar..... <i>For Fastening With Screws Instead Of Nails, Add</i>	73.30 4.07	3.19
32 31 29 00-0024	LF	Shadow Box, 3 - 2" x 4" Rails, 8' High 1" x 4" #1 Cedar..... <i>For Fastening With Screws Instead Of Nails, Add</i>	78.77 4.38	3.19
<b>32 31 29 00-0025</b>		<b>Open Rail Fence</b> <small>(32 31 29)</small>		
<b>32 31 29 00-0026</b>		<b>Post And Rail Fence, Ranch Style</b> <small>(32 31 29 00-0025)</small>		
32 31 29 00-0027	LF	Post And Rail Fence, 2 Rails, 3' High #1 Cedar.....	25.83	3.19
32 31 29 00-0028	LF	Post And Rail Fence, 2 Rails, 3' High #2 Cedar.....	19.94	3.19
32 31 29 00-0029	LF	Post And Rail Fence, 3 Rails, 4' High #1 Cedar.....	30.73	3.19
32 31 29 00-0030	LF	Post And Rail Fence, 3 Rails, 4' High #2 Cedar.....	21.55	3.19
<b>32 31 29 00-0031</b>		<b>Split Rail Fence</b> <small>(32 31 29 00-0025)</small>		
32 31 29 00-0032	LF	Split Rail Fence, 2 Rails, 3' High #1 Cedar.....	24.31	3.19
32 31 29 00-0033	LF	Split Rail Fence, 2 Rails, 3' High #2 Cedar.....	19.87	3.19
32 31 29 00-0034	LF	Split Rail Fence, 3 Rail, 4' High #1 Cedar.....	27.84	3.19
32 31 29 00-0035	LF	Split Rail Fence, 3 Rail, 4' High #2 Cedar.....	22.41	3.19
<b>32 31 29 00-0036</b>		<b>Picket Fence</b> <small>(32 31 29)</small>		
32 31 29 00-0037	LF	Picket Fence, 2 Rail, 3' High, Pressure Treated..... <i>For Fastening With Screws Instead Of Nails, Add</i>	26.10 1.69	3.19
32 31 29 00-0038	LF	Picket Fence, 2 Rail, 3' High #1 Cedar..... <i>For Fastening With Screws Instead Of Nails, Add</i>	24.56 1.61	3.19
<b>32 31 29 00-0039</b>		<b>Wood Fence Post Accessories</b> <small>(32 31 29)</small>		
32 31 29 00-0040	EA	3-1/2" x 3-1/2" Copper, Pyramid Slip Over, Wood Fence Post Cap.....	38.79	
32 31 29 00-0041	EA	4" x 4" Copper, Pyramid Slip Over, Wood Fence Post Cap.....	43.36	
32 31 29 00-0042	EA	6" x 6" Copper, Pyramid Slip Over, Wood Fence Post Cap.....	47.26	
32 31 29 00-0043	EA	8" x 8" Copper, Pyramid Slip Over, Wood Fence Post Cap.....	69.41	
<b>32 31 29 00-0044</b>		<b>Wood Gate</b> <small>(32 31 29)</small>		
<b>32 31 29 00-0045</b>		<b>Board Fence Gates, Pressure Treated Wood</b> <small>(32 31 29 00-0044)</small> Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (treated lumber).		
32 31 29 00-0046	EA	3' To 5' High x 3' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	421.64	127.90
32 31 29 00-0047	EA	3' To 5' High x 3'-6" Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	466.84	135.58
32 31 29 00-0048	EA	3' To 5' High x 4' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	522.28	148.36
32 31 29 00-0049	EA	3' To 5' High x 5' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	594.02	156.04
32 31 29 00-0050	EA	3' To 5' High x 6' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	665.74	163.71
32 31 29 00-0051	EA	>5' To 8' High x 3' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	536.67	168.84
32 31 29 00-0052	EA	>5' To 8' High x 3'-6" Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	585.19	176.50
32 31 29 00-0053	EA	>5' To 8' High x 4' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	633.70	184.18
32 31 29 00-0054	EA	>5' To 8' High x 5' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	715.39	191.85
32 31 29 00-0055	EA	>5' To 8' High x 6' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	780.49	199.53
<b>32 31 29 00-0056</b>		<b>Board Fence Gates, Grade 2 Cedar</b> <small>(32 31 29 00-0044)</small> Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)		
32 31 29 00-0057	EA	3' To 5' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	647.16	99.70
32 31 29 00-0058	EA	3' To 5' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	669.08	105.68
32 31 29 00-0059	EA	3' To 5' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	702.29	115.64
32 31 29 00-0060	EA	3' To 5' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	740.78	121.63
32 31 29 00-0061	EA	3' To 5' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	789.22	127.62
32 31 29 00-0062	EA	>5' To 8' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	760.72	131.60

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 31 29 00-0063	EA		>5' To 8' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	789.27	137.58
32 31 29 00-0064	EA		>5' To 8' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	834.40	143.56
32 31 29 00-0065	EA		>5' To 8' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	879.53	149.54
32 31 29 00-0066	EA		>5' To 8' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	924.66	155.53

**32 31 29 00-0067 Board Fence Gates, Grade 1 Cedar (32 31 29 00-0044)**

Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)

32 31 29 00-0068	EA		3' To 5' High x 3' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	696.91	99.70
32 31 29 00-0069	EA		3' To 5' High x 3'-6" Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	725.46	105.68
32 31 29 00-0070	EA		3' To 5' High x 4' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	761.99	115.64
32 31 29 00-0071	EA		3' To 5' High x 5' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	807.12	121.63
32 31 29 00-0072	EA		3' To 5' High x 6' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	852.24	127.62
32 31 29 00-0073	EA		>5' To 8' High x 3' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	827.06	131.60
32 31 29 00-0074	EA		>5' To 8' High x 3'-6" Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	855.61	137.58
32 31 29 00-0075	EA		>5' To 8' High x 4' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	900.74	143.56
32 31 29 00-0076	EA		>5' To 8' High x 5' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	945.87	149.54
32 31 29 00-0077	EA		>5' To 8' High x 6' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	1,007.58	155.53

**32 31 29 00-0078 Pressure Treated Wood Fence Posts (32 31 29)**

See CSI section 32 31 13 13-0001 for drilling augering, 32 31 13 13-0641 for barbed wire, 32 31 56 00-0017 for barbed wire.

32 31 29 00-0079	EA		4' High, Pressure Treated Wood Fence Posts, Set In Soil, Earth Fill .....	40.07	12.79
32 31 29 00-0080	EA		6' High, Pressure Treated Wood Fence Posts, Set In Soil, Earth Fill .....	45.32	12.79
32 31 29 00-0081	EA		4' High, Pressure Treated Wood Fence Posts, Set In Concrete .....	70.35	24.56
32 31 29 00-0082	EA		6' High, Pressure Treated Wood Fence Posts, Set In Concrete .....	76.32	24.56

**32 31 56 Wild Life Deterrent Fence (32 31)**

**32 31 56 00-0001 Barbed Wire Fences (32 31 56)**

Note: Excludes post holes and fill See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.

**32 31 56 00-0002 Fence Posts (32 31 56 00-0001)**

**32 31 56 00-0003 Fence Post Soil, Set In Concrete (32 31 56 00-0002)**

32 31 56 00-0004	EA		Barbed Wire Fence Post, Galvanized Set In Concrete In Soil .....	91.60	7.25
			<i>For Bracing On Corner Post, End Post And Pull Post, Add</i>	147.84	
32 31 56 00-0005	EA		Barbed Wire Fence Post, Vinyl Coated Set In Concrete In Soil .....	123.54	7.25
			<i>For Bracing On Corner Post, End Post And Pull Post, Add</i>	201.18	

**32 31 56 00-0006 Post In Rock (32 31 56 00-0002)**

32 31 56 00-0007	EA		Barbed Wire Fence Post, Galvanized Grouted In Rock .....	90.01	7.25
			<i>For Bracing On Corner Post, End Post And Pull Post, Add</i>	145.45	
32 31 56 00-0008	EA		Barbed Wire Fence Post, Vinyl Coated Grouted In Rock .....	121.95	7.25
			<i>For Bracing On Corner Post, End Post And Pull Post, Add</i>	198.79	

**32 31 56 00-0009 Studded Steel T-Posts, Enamel Paint Finish (32 31 56 00-0001)**

Note: Posts for barb wire, chain link or welded wire mesh.

32 31 56 00-0010	EA		5' Studded Steel T-Post, Driven Into Earth .....	23.00	
32 31 56 00-0011	EA		5'-6" Studded Steel T-Post, Driven Into Earth .....	23.55	
32 31 56 00-0012	EA		6' Studded Steel T-Post, Driven Into Earth .....	24.61	
32 31 56 00-0013	EA		6'-6" Studded Steel T-Post, Driven Into Earth .....	25.65	
32 31 56 00-0014	EA		7' Studded Steel T-Post, Driven Into Earth .....	27.04	
32 31 56 00-0015	EA		8' Studded Steel T-Post, Driven Into Earth .....	30.42	
32 31 56 00-0016	EA		10' Studded Steel T-Post, Driven Into Earth .....	36.91	

**32 31 56 00-0017 Barbed Wire (32 31 56 00-0001)**

Note: Per strand.

32 31 56 00-0018	LF		Galvanized Barbed Wire For Wild Life Deterrent Fencing, Per Strand .....	0.80	0.37
32 31 56 00-0019	LF		Vinyl Coated Barbed Wire, For Wild Life Deterrent Fencing, Per Strand .....	0.93	0.37

**32 31 56 00-0020 Barbed Wire Fence, Farm Style, With Wood Posts (32 31 56 00-0001)**

Note: Based on post at 10' centers, two corner post and two pull post per 300 lf.

32 31 56 00-0021	LF		4'-6" Height, Three (3) Strand Barbed Wire Fence With Wood Posts .....	10.20	2.36
			Note: Posts at 10' maximum.		

**32 32 Retaining Walls (32 30)**

**32 32 13 Cast-In-Place Concrete Retaining Wall (32 32)**

Note: System includes all necessary forms (4 uses), 3000 PSI concrete with an 8" chute, all necessary reinforcing steel, and underdrain. Exposed concrete is patched and rubbed. Excludes initial site grading, subbase preparation or finish grading.

32 32 13 00-0001	LF		4' High With Base, 10" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall .....	355.55	127.24
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	8.60	
32 32 13 00-0002	LF		6' High With Base, 10" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall .....	443.85	156.57
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	11.10	
32 32 13 00-0003	LF		8' High With Base, 10" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall .....	483.75	168.89
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	12.41	
32 32 13 00-0004	LF		10' High With Base, 13" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall .....	617.21	208.83
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	16.97	

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32 32 13 00-0005	LF	12' High With Base, 14" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	711.44	239.87
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	19.69	
32 32 13 00-0006	LF	16' High With Base, 16" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	1,028.46	351.89
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	27.60	
32 32 13 00-0007	LF	20' High With Base, 18" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	1,411.42	485.81
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	37.38	
32 32 13 00-0008	LF	4' High With Base, 12" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	390.85	138.96
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	9.60	
32 32 13 00-0009	LF	6' High With Base, 12" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	478.84	167.44
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	12.24	
32 32 13 00-0010	LF	8' High With Base, 12" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	507.43	174.71
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	13.43	
32 32 13 00-0011	LF	10' High With Base, 16" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	699.00	234.14
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	19.60	
32 32 13 00-0012	LF	12' High With Base, 18" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	885.71	300.75
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	24.16	
32 32 13 00-0013	LF	16' High With Base, 21" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	1,327.36	455.87
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	35.33	
32 32 13 00-0014	LF	20' High With Base, 24" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	1,873.29	643.50
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	49.83	

**32 32 16 Precast Concrete Retaining Walls (32 32)****32 32 16 00-0001 Precast Retaining Walls (32 32 16)**

Note: Tied-back earth walls. Includes precast filter fabric, soil reinforcing mesh and cast-in-place coping. Excludes concrete leveling pad, or select earth excavation and backfill.

32 32 16 00-0002	SF	10-15' High, Tied-back, Precast Concrete Retaining Walls	86.87	12.66
32 32 16 00-0003	SF	16-20' High, Tied-back, Precast Concrete Retaining Walls	89.19	10.18
32 32 16 00-0004	SF	21-25' High, Tied-back, Precast Concrete Retaining Walls	92.50	8.48
32 32 16 00-0005	SF	26-30' High, Tied-back, Precast Concrete Retaining Walls	100.01	8.48
32 32 16 00-0006	SF	>30' High, Tied-back, Precast Concrete Retaining Walls	105.80	7.24

**32 32 23 Segmental Retaining Walls (32 32)****32 32 23 13 Segmental Concrete Unit Masonry Retaining Walls (32 32 23)****32 32 23 13-0001 Modular Retaining Wall Systems (32 32 23 13)**

Note: Includes installation, material and manufacturer's wall design. Includes stone wall, cap stones, #57 stone backing, Geo-Grid (2/3 height of wall), miradrain and fill with earth, and compaction. Includes cap at top, pins, and installation. Excludes initial site grading, subbase preparation or finish grading.

**32 32 23 13-0002 "Amastone" Type Modular Retaining Wall Systems (32 32 23 13-0001)**

32 32 23 13-0003	SF	Up To 4' Height "Amastone" Type Modular Retaining Wall System	73.28	8.25
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	4.83	
32 32 23 13-0004	SF	4 To 8' Height "Amastone" Type Modular Retaining Wall System	77.32	8.68
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	5.10	
32 32 23 13-0005	SF	8 To 12' Height "Amastone" Type Modular Retaining Wall System	80.42	9.55
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	5.21	
32 32 23 13-0006	SF	12 To 16' Height "Amastone" Type Modular Retaining Wall System	83.72	10.42
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	5.34	

**32 32 23 13-0007 "Diamond" Type Modular Retaining Wall Systems (32 32 23 13-0001)**

32 32 23 13-0008	SF	Up To 4' Height "Diamond" Type Modular Retaining Wall System	76.25	8.25
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	5.08	
32 32 23 13-0009	SF	4 To 8' Height "Diamond" Type Modular Retaining Wall System	80.29	8.68
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	5.35	
32 32 23 13-0010	SF	8 To 12' Height "Diamond" Type Modular Retaining Wall System	83.39	9.55
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	5.46	
32 32 23 13-0011	SF	12 To 16' Height "Diamond" Type Modular Retaining Wall System	86.69	10.42
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	5.60	

**32 32 23 13-0012 "Keystone" Type Modular Retaining Wall Systems (32 32 23 13-0001)**

32 32 23 13-0013	SF	Up To 4' Height "Keystone" Type Modular Retaining Wall System	83.34	8.25
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	5.68	
32 32 23 13-0014	SF	4 To 8' Height "Keystone" Type Modular Retaining Wall System	87.38	8.68
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	5.95	
32 32 23 13-0015	SF	8 To 12' Height "Keystone" Type Modular Retaining Wall System	90.48	9.55
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	6.07	
32 32 23 13-0016	SF	12 To 16' Height "Keystone" Type Modular Retaining Wall System	93.78	10.42
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	6.20	

**32 32 23 13-0017 "Criblock" Type Modular Retaining Wall Systems (32 32 23 13-0001)**

32 32 23 13-0018	SF	Up To 4' Height "Criblock" Type Modular Retaining Wall System	73.28	8.25
		<i>For Gravel Backfill Instead Of Earth, Add</i>	0.25	
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	4.83	
32 32 23 13-0019	SF	4 To 8' Height "Criblock" Type Modular Retaining Wall System	77.32	8.68
		<i>For Gravel Backfill Instead Of Earth, Add</i>	0.25	
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	5.10	
32 32 23 13-0020	SF	8 To 12' Height "Criblock" Type Modular Retaining Wall System	80.42	9.55
		<i>For Gravel Backfill Instead Of Earth, Add</i>	0.25	
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	5.21	
32 32 23 13-0021	SF	12 To 16' Height "Criblock" Type Modular Retaining Wall System	83.72	10.42
		<i>For Gravel Backfill Instead Of Earth, Add</i>	0.25	
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	5.34	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>32 32 23 13-0022</b>			<b>"Versa-Lok" Type Modular Retaining Wall Systems</b> <small>(32 32 23 13-0001)</small>		
32 32 23 13-0023	SF		Up To 4' Height "Versa-Lok" Type Modular Retaining Wall System .....	64.28	8.25
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	4.06	
32 32 23 13-0024	SF		4 To 8' Height "Versa-Lok" Type Modular Retaining Wall System .....	71.28	8.68
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	4.58	
32 32 23 13-0025	SF		8 To 12' Height "Versa-Lok" Type Modular Retaining Wall System .....	74.43	9.55
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	4.70	
32 32 23 13-0026	SF		12 To 16' Height "Versa-Lok" Type Modular Retaining Wall System .....	77.18	10.42
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	4.79	

<b>32 32 23 13-0027</b>			<b>Retaining Wall Cap Block Restoration</b> <small>(32 32 23 13-0001)</small>		
			Note: Includes removal of existing cap block and installation of new cap block to match.		
32 32 23 13-0028	LF		Removal And Reinstall Retaining Wall Cap Block And Pins .....	29.96	
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	1.49	

**32 32 26 Metal Crib Retaining Walls** (32 32)

<b>32 32 26 00-0001</b>			<b>Aluminized Steel Bin</b> <small>(32 32 26)</small>		
			Note: Excludes excavation and backfill.		
32 32 26 00-0002	SF		4' High, 5.5' Deep Aluminized Steel Bin .....	38.49	4.64
			<i>For Galvanized Type, Deduct</i>	-2.92	
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	2.49	
32 32 26 00-0003	SF		8' High, 5.5' Deep Aluminized Steel Bin .....	43.01	4.64
			<i>For Galvanized Type, Deduct</i>	-3.37	
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	2.86	
32 32 26 00-0004	SF		10' High, 7.7' Deep Aluminized Steel Bin .....	45.95	5.07
			<i>For Galvanized Type, Deduct</i>	-3.59	
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	3.05	
32 32 26 00-0005	SF		12' High, 7.7' Deep Aluminized Steel Bin .....	52.34	5.72
			<i>For Galvanized Type, Deduct</i>	-4.09	
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	3.48	
32 32 26 00-0006	SF		16' High, 7.7' Deep Aluminized Steel Bin .....	50.46	5.93
			<i>For Galvanized Type, Deduct</i>	-3.87	
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	3.29	
32 32 26 00-0007	SF		16' High, 9.9' Deep Aluminized Steel Bin .....	56.15	6.04
			<i>For Galvanized Type, Deduct</i>	-4.42	
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	3.75	
32 32 26 00-0008	SF		20' High, 9.9' Deep Aluminized Steel Bin .....	62.25	6.37
			<i>For Galvanized Type, Deduct</i>	-4.94	
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	4.20	
32 32 26 00-0009	SF		20' High, 12.1' Deep Aluminized Steel Bin .....	63.75	6.68
			<i>For Galvanized Type, Deduct</i>	-5.05	
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	4.29	
32 32 26 00-0010	SF		24' High, 12.1' Deep Aluminized Steel Bin .....	67.01	6.68
			<i>For Galvanized Type, Deduct</i>	-5.36	
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	4.56	
32 32 26 00-0011	SF		24' High, 14.3' Deep Aluminized Steel Bin .....	70.27	6.80
			<i>For Galvanized Type, Deduct</i>	-5.68	
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	4.83	
32 32 26 00-0012	SF		28' High, 14.3' Deep Aluminized Steel Bin .....	72.61	6.90
			<i>For Galvanized Type, Deduct</i>	-5.89	
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	5.01	

**32 32 29 Timber Retaining Walls** (32 32)

<b>32 32 29 00-0001</b>			<b>Wood Post Retaining Walls</b> <small>(32 32 29)</small>		
			Note: System includes wood posts installed side-by-side to various heights, and underdrain. Excludes initial site grading, subbase preparation or finish grading.		
32 32 29 00-0002	LF		4" x 4", 1' High, Redwood, Wood Post Retaining Walls .....	106.46	27.86
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	4.32	
32 32 29 00-0003	LF		4" x 4", 2' High, Redwood, Wood Post Retaining Walls .....	208.17	54.54
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	8.43	
32 32 29 00-0004	LF		4" x 4", 1' High, Cedar, Wood Post Retaining Walls .....	99.97	27.86
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	3.77	
32 32 29 00-0005	LF		4" x 4", 2' High, Cedar, Wood Post Retaining Walls .....	195.55	54.54
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	7.36	
32 32 29 00-0006	LF		4" x 4", 1' High, Pressure Treated Lumber, Wood Post Retaining Walls .....	100.55	24.33
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	4.40	
32 32 29 00-0007	LF		4" x 4", 2' High, Pressure Treated Lumber, Wood Post Retaining Walls .....	196.98	47.60
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	8.65	
32 32 29 00-0008	LF		4" x 4", 1' High, Creosoted Lumber, Wood Post Retaining Walls .....	86.14	21.60
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	3.65	
32 32 29 00-0009	LF		4" x 4", 2' High, Creosoted Lumber, Wood Post Retaining Walls .....	155.72	39.10
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	6.59	
32 32 29 00-0010	LF		6" x 6", 2' High, Redwood, Wood Post Retaining Walls .....	298.00	66.08
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	14.10	
32 32 29 00-0011	LF		6" x 6", 4' High, Redwood, Wood Post Retaining Walls .....	590.65	129.52
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	28.20	
32 32 29 00-0012	LF		6" x 6", 2' High, Cedar, Wood Post Retaining Walls .....	290.79	66.08
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	13.49	
32 32 29 00-0013	LF		6" x 6", 4' High, Cedar, Wood Post Retaining Walls .....	572.62	129.52
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	26.66	
32 32 29 00-0014	LF		6" x 6", 2' High, Pressure Treated Lumber, Wood Post Retaining Walls .....	272.41	53.66
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	14.03	

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 MINOR  
 CSI UOM DESCRIPTION

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 UNIT COST UNIT COST

32 32 29 00-0015	LF	6" x 6", 4' High, Pressure Treated Lumber, Wood Post Retaining Walls.....	542.06	105.96
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	28.06	
32 32 29 00-0016	LF	6" x 6", 2' High, Creosoted Lumber, Wood Post Retaining Walls.....	210.31	42.91
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	10.57	
32 32 29 00-0017	LF	6" x 6", 4' High, Creosoted Lumber, Wood Post Retaining Walls.....	414.92	83.96
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	21.00	
32 32 29 00-0018	LF	8" x 8", 4' High, Redwood, Wood Post Retaining Walls.....	780.46	143.20
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	41.99	
32 32 29 00-0019	LF	8" x 8", 6' High, Redwood, Wood Post Retaining Walls.....	1,461.30	267.33
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	78.77	
32 32 29 00-0020	LF	8" x 8", 4' High, Cedar, Wood Post Retaining Walls.....	744.40	143.20
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	38.92	
32 32 29 00-0021	LF	8" x 8", 6' High, Cedar, Wood Post Retaining Walls.....	1,392.79	267.33
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	72.95	
32 32 29 00-0022	LF	8" x 8", 4' High, Pressure Treated Lumber, Wood Post Retaining Walls.....	721.90	165.19
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	33.28	
32 32 29 00-0023	LF	8" x 8", 6' High, Pressure Treated Lumber, Wood Post Retaining Walls.....	1,346.24	308.48
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	61.99	
32 32 29 00-0024	LF	8" x 8", 4' High, Creosoted Lumber, Wood Post Retaining Walls.....	564.51	133.53
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	25.29	
32 32 29 00-0025	LF	8" x 8", 6' High, Creosoted Lumber, Wood Post Retaining Walls.....	1,046.98	247.69
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	46.89	
32 32 29 00-0026	LF	4' High, Cedar, Random Diameter Poles, Wood Post Retaining Walls.....	200.29	55.04
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	7.66	
32 32 29 00-0027	LF	6' High, Cedar, Random Diameter Poles, Wood Post Retaining Walls.....	298.62	82.59
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	11.34	
32 32 29 00-0028	LF	8' High, Cedar, Random Diameter Poles, Wood Post Retaining Walls.....	396.88	110.06
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	15.02	
32 32 29 00-0029	LF	4' High Creosoted Lumber, Random Diameter Poles, Wood Post Retaining Walls.....	150.57	31.08
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	7.51	
32 32 29 00-0030	LF	6' High Creosoted Lumber, Random Diameter Poles, Wood Post Retaining Walls.....	219.57	44.86
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	11.03	
32 32 29 00-0031	LF	8' High Creosoted Lumber, Random Diameter Poles, Wood Post Retaining Walls.....	297.82	60.61
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	15.02	

**32 32 29 00-0032 Post And Board Retaining Walls** (32 32 29)

Note: System includes all the elements that must go into a wall that resists lateral pressure. System elements include posts and boards, cap, underdrain, and deadman where required. Excludes initial site grading, subbase preparation or finish grading.

32 32 29 00-0033	LF	4" x 4" Post, 4' Spacing, 3' High, 2" Planking, Redwood, Post And Board Retaining Walls.....	98.49	16.52
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	5.56	
32 32 29 00-0034	LF	4" x 4" Post, 2' Spacing, 4' High, 2" Planking, Redwood, Post And Board Retaining Walls.....	144.78	28.25
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	7.51	
32 32 29 00-0035	LF	6" x 6" Post, 4' Spacing, 5' High 2" Planking, Redwood, Post And Board Retaining Walls.....	194.61	35.09
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	10.57	
32 32 29 00-0036	LF	6" x 6" Post, 3' Spacing, 6' High, 2" Planking, Redwood, Post And Board Retaining Walls.....	270.69	49.75
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	14.56	
32 32 29 00-0037	LF	6" x 6" With Deadman, 3' Spacing, 8' High, 2" Planking, Redwood, Post And Board Retaining Walls.....	354.75	64.71
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	19.16	
32 32 29 00-0038	LF	8" x 8" Post, 2' Spacing, 8' High, 2" Planking, Redwood, Post And Board Retaining Walls.....	739.26	128.05
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	41.07	
32 32 29 00-0039	LF	8" x 8" With Deadman, 2' Spacing, 9' High, 2" Planking, Redwood, Post And Board Retaining Walls.....	842.49	141.83
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	47.51	
32 32 29 00-0040	LF	4" x 4" Post, 4' Spacing, 3' High, 2" Planking, Cedar, Post And Board Retaining Walls.....	98.95	17.20
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	5.49	
32 32 29 00-0041	LF	4" x 4" With Deadman, 2' Spacing, 4' High 2" Planking, Cedar, Post And Board Retaining Walls.....	172.91	30.60
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	9.50	
32 32 29 00-0042	LF	6" x 6" Post, 4' Spacing, 4' High 2" Planking, Cedar, Post And Board Retaining Walls.....	170.01	30.01
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	9.35	
32 32 29 00-0043	LF	6" x 6" Post, 3' Spacing, 5' High 2" Planking, Cedar, Post And Board Retaining Walls.....	235.83	43.11
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	12.72	
32 32 29 00-0044	LF	6" x 6" Post, 2' Spacing, 6' High 2" Planking, Cedar, Post And Board Retaining Walls.....	363.04	68.82
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	19.16	
32 32 29 00-0045	LF	6 x 6 Post With Deadman, 3' Spacing, 6' High, 2" Planking, Cedar.....	291.43	52.89
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	15.78	
32 32 29 00-0046	LF	8 x 8 Post With Deadman, 2' Spacing, 8' High, 2" Planking, Cedar.....	765.48	132.15
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	42.60	
32 32 29 00-0047	LF	4 x 4 Post, 4' Spacing, 3' High 2" Planking, Pressure Treated.....	100.57	31.77
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	3.14	
32 32 29 00-0048	LF	4 x 4 Post, 3' Spacing, 4' High 2" Planking, Pressure Treated.....	147.48	45.16
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	4.86	
32 32 29 00-0049	LF	4 x 4 Post With Deadman, 2' Space, 5' High, 2" Planking, Pressure Treat.....	223.05	61.97
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	8.43	
32 32 29 00-0050	LF	6 x 6 Post, 3' Spacing, 6' High, 2" Planking, Pressure Treated.....	402.14	104.59
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	16.40	
32 32 29 00-0051	LF	6 x 6 Post, 2' Spacing, 7' High, 2" Planking, Pressure Treated.....	411.15	104.59
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	17.16	
32 32 29 00-0052	LF	6 x 6 Post With Deadman, 3' Spacing 8' High, 2" Planking, Pressure Treat.....	381.30	100.49
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	15.32	
32 32 29 00-0053	LF	8 x 8 Post With Deadman, 2' Spacing 10' High, 2" Planking, Pressure Treated.....	909.38	231.17
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	38.01	
32 32 29 00-0054	LF	4 x 4 Post, 4' Spacing, 3' High Creosoted 2" Planking.....	100.57	31.77
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	3.14	
32 32 29 00-0055	LF	4 x 4 Post, 3' Spacing, 4' High Creosoted, 2" Planking.....	147.48	45.16
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	4.86	
32 32 29 00-0056	LF	4 x 4 Post With Deadman, 2' Spacing, 5' High, Creosoted, 2" Planking.....	223.05	61.97
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	8.43	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 32 29 00-0057	LF		6 x 6 Post, 3' Spacing, 6' High Creosoted, 2" Planking..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	282.18 10.88	77.13
32 32 29 00-0058	LF		6" x 6" Post, 2' Spacing, 7' High, 2" Planking, Creosoted, Post And Board Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	402.14 16.40	104.59
32 32 29 00-0059	LF		6" x 6" Post With Deadman, 3' Spacing, 8' High, 2" Planking, Creosoted, Post And Board Retaining Walls..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	381.30 15.32	100.49
32 32 29 00-0060	LF		8" x 8" Post With Deadman, 2' Spacing, 10' High, Creosoted, 2" Planking, Post And Board Retaining Walls..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	909.38 38.01	231.17

**32 32 29 00-0061 Wood Tie Retaining Walls, Rod Connector At 4'** (32 32 29)  
 Note: The system includes all the elements that must go into a wall that resists lateral pressure. System elements include: wood ties, threaded rod (1/2" diameter), underdrain, and deadman where required. Excludes initial site grading, subbase preparation or finish grading.

**32 32 29 00-0062 Redwood** (32 32 29 00-0061)

32 32 29 00-0063	LF		2' High, 6" x 6" Wood Tie Wall ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	154.27 7.36	33.82
32 32 29 00-0064	LF		4' High, 6" x 6" Wood Tie Wall Deadman At 6' ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	352.49 16.86	77.13
32 32 29 00-0065	LF		6' High, 6" x 6" Wood Tie Wall Deadman At 6' ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	527.01 25.13	115.63
32 32 29 00-0066	LF		4' High, 8" x 8" Wood Tie Wall Deadman At 6' ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	540.76 29.12	99.11
32 32 29 00-0067	LF		6' High, 8" x 8" Wood Tie Wall Deadman At 6' ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	813.06 43.83	148.67
32 32 29 00-0068	LF		8' High, 8" x 8" Wood Tie Wall Deadman At 6' ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	1,076.04 58.23	195.50

**32 32 29 00-0069 Cedar** (32 32 29 00-0061)

32 32 29 00-0070	LF		2' High, 6" x 6" Wood Tie Wall ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	150.66 7.05	33.82
32 32 29 00-0071	LF		4' High, 6" x 6" Wood Tie Wall Deadman At 6' ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	341.67 15.94	77.13
32 32 29 00-0072	LF		6' High, 6" x 6" Wood Tie Wall Deadman At 6' ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	512.58 23.91	115.63
32 32 29 00-0073	LF		4' High, 8" x 8" Wood Tie Wall Deadman At 6' ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	515.52 26.97	99.11
32 32 29 00-0074	LF		6' High, 8" x 8" Wood Tie Wall Deadman At 6' ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	777.00 40.76	148.67
32 32 29 00-0075	LF		8' High, 8" x 8" Wood Tie Wall Deadman At 6' ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	1,025.56 53.94	195.50

**32 32 29 00-0076 Pressure Treated Wood** (32 32 29 00-0061)

32 32 29 00-0077	LF		2' High, 6" x 6" Wood Tie Wall ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	137.21 6.91	27.95
32 32 29 00-0078	LF		4' High, 6" x 6" Wood Tie Wall Deadman At 6' ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	312.35 15.78	63.34
32 32 29 00-0079	LF		6' High, 6" x 6" Wood Tie Wall Deadman At 6' ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	467.62 23.60	95.01
32 32 29 00-0080	LF		4' High, 8" x 8" Wood Tie Wall Deadman At 6' ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	482.65 21.61	114.27
32 32 29 00-0081	LF		6' High, 8" x 8" Wood Tie Wall Deadman At 6' ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	727.26 32.79	170.76
32 32 29 00-0082	LF		8' High, 8" x 8" Wood Tie Wall Deadman At 6' ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	962.49 43.22	227.07

**32 32 53 Stone Retaining Walls** (32 32)

**32 32 53 00-0001 Stone Retaining Walls** (32 32 53)  
 Note: Construction is either dry set or mortar set. System includes concrete base, crushed stone, underdrain, and backfill. Standard design to have 12" thick top with vertical backside and sloped face at 2" per foot of height. Excludes initial site grading, subbase preparation or finish grading.

**32 32 53 00-0002 Stone Retaining Walls** (32 32 53 00-0001)  
 Note: Stone at \$16.00/ton.

32 32 53 00-0003	LF		\$16.00/ton 3' High Stone Retaining Wall, Dry Set ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	432.05 3.49	195.46
32 32 53 00-0004	LF		\$16.00/ton 4' High Stone Retaining Wall, Dry Set ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	509.99 3.81	232.53
32 32 53 00-0005	LF		\$16.00/ton 6' High Stone Retaining Wall, Dry Set ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	670.37 4.46	308.94
32 32 53 00-0006	LF		\$16.00/ton 8' High Stone Retaining Wall, Dry Set ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	1,033.94 5.76	483.04
32 32 53 00-0007	LF		\$16.00/ton 10' High Stone Retaining Wall, Dry Set ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	1,344.00 6.82	631.87
32 32 53 00-0008	LF		\$16.00/ton 12' High Stone Retaining Wall, Dry Set ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	1,668.31 8.04	786.86
32 32 53 00-0009	LF		\$16.00/ton 3' High Stone Retaining Wall, Mortar Set..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	387.16 3.49	173.05
32 32 53 00-0010	LF		\$16.00/ton 4' High Stone Retaining Wall, Mortar Set..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	454.42 3.81	204.75
32 32 53 00-0011	LF		\$16.00/ton 6' High Stone Retaining Wall, Mortar Set..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	588.35 4.46	267.87
32 32 53 00-0012	LF		\$16.00/ton 8' High Stone Retaining Wall, Mortar Set..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	901.90 5.76	417.04

**32 Exterior Improvements****32 30 Site Improvements****32 32 Retaining Walls**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

32 32 53 00-0013	LF	\$16.00/ton 10' High Stone Retaining Wall, Mortar Set	1,158.79	539.31
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	6.82	
32 32 53 00-0014	LF	\$16.00/ton 12' High Stone Retaining Wall, Mortar Set	1,439.86	672.68
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	8.04	

**32 32 53 00-0015 Stone Retaining Walls** (32 32 53 00-0001)  
 Note: Stone at \$32.00/ton.

32 32 53 00-0016	LF	\$32.00/ton 3' High Stone Retaining Wall, Dry Set	444.46	195.46
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	4.54	
32 32 53 00-0017	LF	\$32.00/ton 4' High Stone Retaining Wall, Dry Set	527.18	232.53
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	5.28	
32 32 53 00-0018	LF	\$32.00/ton 6' High Stone Retaining Wall, Dry Set	695.20	308.94
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	6.57	
32 32 53 00-0019	LF	\$32.00/ton 8' High Stone Retaining Wall, Dry Set	1,070.22	483.04
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	8.85	
32 32 53 00-0020	LF	\$32.00/ton 10' High Stone Retaining Wall, Dry Set	1,393.66	631.87
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	11.04	
32 32 53 00-0021	LF	\$32.00/ton 12' High Stone Retaining Wall, Dry Set	1,731.33	786.86
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	13.39	
32 32 53 00-0022	LF	\$32.00/ton 3' High Stone Retaining Wall, Mortar Set	399.57	173.05
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	4.54	
32 32 53 00-0023	LF	\$32.00/ton 4' High Stone Retaining Wall, Mortar Set	471.61	204.75
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	5.28	
32 32 53 00-0024	LF	\$32.00/ton 6' High Stone Retaining Wall, Mortar Set	613.18	267.87
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	6.57	
32 32 53 00-0025	LF	\$32.00/ton 8' High Stone Retaining Wall, Mortar Set	938.18	417.04
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	8.85	
32 32 53 00-0026	LF	\$32.00/ton 10' High Stone Retaining Wall, Mortar Set	1,208.45	539.31
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	11.04	
32 32 53 00-0027	LF	\$32.00/ton 12' High Stone Retaining Wall, Mortar Set	1,502.88	672.68
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	13.39	

**32 32 53 00-0028 Stone Retaining Walls** (32 32 53 00-0001)  
 Note: Stone at \$48.00/ton.

32 32 53 00-0029	LF	\$48.00/ton 3' High Stone Retaining Wall, Dry Set	457.83	195.46
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	5.68	
32 32 53 00-0030	LF	\$48.00/ton 4' High Stone Retaining Wall, Dry Set	544.18	232.53
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	6.72	
32 32 53 00-0031	LF	\$48.00/ton 6' High Stone Retaining Wall, Dry Set	719.07	308.94
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	8.60	
32 32 53 00-0032	LF	\$48.00/ton 8' High Stone Retaining Wall, Dry Set	1,106.51	483.04
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	11.93	
32 32 53 00-0033	LF	\$48.00/ton 10' High Stone Retaining Wall, Dry Set	1,443.31	631.87
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	15.26	
32 32 53 00-0034	LF	\$48.00/ton 12' High Stone Retaining Wall, Dry Set	1,795.31	786.86
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	18.83	
32 32 53 00-0035	LF	\$48.00/ton 3' High Stone Retaining Wall, Mortar Set	412.94	173.05
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	5.68	
32 32 53 00-0036	LF	\$48.00/ton 4' High Stone Retaining Wall, Mortar Set	488.80	204.75
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	6.74	
32 32 53 00-0037	LF	\$48.00/ton 6' High Stone Retaining Wall, Mortar Set	637.05	267.87
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	8.60	
32 32 53 00-0038	LF	\$48.00/ton 8' High Stone Retaining Wall, Mortar Set	974.47	417.04
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	11.93	
32 32 53 00-0039	LF	\$48.00/ton 10' High Stone Retaining Wall, Mortar Set	1,258.10	539.31
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	15.26	
32 32 53 00-0040	LF	\$48.00/ton 12' High Stone Retaining Wall, Mortar Set	1,566.86	672.68
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	18.83	

**32 32 53 00-0041 Stone Retaining Walls** (32 32 53 00-0001)  
 Note: Stone at \$64.00/ton.

32 32 53 00-0042	LF	\$64.00/ton 3' High Stone Retaining Wall, Dry Set	471.20	195.46
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	6.82	
32 32 53 00-0043	LF	\$64.00/ton 4' High Stone Retaining Wall, Dry Set	542.46	232.53
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	6.57	
32 32 53 00-0044	LF	\$64.00/ton 6' High Stone Retaining Wall, Dry Set	744.85	308.94
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	10.80	
32 32 53 00-0045	LF	\$64.00/ton 8' High Stone Retaining Wall, Dry Set	1,144.71	483.04
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	15.18	
32 32 53 00-0046	LF	\$64.00/ton 10' High Stone Retaining Wall, Dry Set	1,494.88	631.87
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	19.64	
32 32 53 00-0047	LF	\$64.00/ton 12' High Stone Retaining Wall, Dry Set	1,860.24	786.86
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	24.35	
32 32 53 00-0048	LF	\$64.00/ton 3' High Stone Retaining Wall, Mortar Set	426.31	173.05
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	6.82	
32 32 53 00-0049	LF	\$64.00/ton 4' High Stone Retaining Wall, Mortar Set	505.99	204.75
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	8.20	
32 32 53 00-0050	LF	\$64.00/ton 6' High Stone Retaining Wall, Mortar Set	662.83	267.87
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	10.80	
32 32 53 00-0051	LF	\$64.00/ton 8' High Stone Retaining Wall, Mortar Set	1,012.67	417.04
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	15.18	
32 32 53 00-0052	LF	\$64.00/ton 10' High Stone Retaining Wall, Mortar Set	1,309.67	539.31
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	19.64	
32 32 53 00-0053	LF	\$64.00/ton 12' High Stone Retaining Wall, Mortar Set	1,631.79	672.68
		<i>For &gt;3:1 Sloped Soil At Top, Add</i>	24.35	

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 33 Site Furnishings (32 30)

**32 33 13 Site Bicycle Racks (32 33)**

32 33 13 00-0001 Bicycle Organizer And Rack (32 33 13)

32 33 13 00-0002 Vertical Style Bike Racks Single/Double Sided, Galvanized (32 33 13 00-0001)

32 33 13 00-0003 Double Sided (32 33 13 00-0002)

32 33 13 00-0004	EA	5' Galvanized Steel Double Sided Bike Rack, 9 Bikes.....	680.50	111.69
32 33 13 00-0005	EA	10' Galvanized Steel Double Sided Bike Rack, 18 Bikes.....	1,024.59	183.49
32 33 13 00-0006	EA	20' Galvanized Steel Double Sided Bike Rack, 36 Bikes.....	1,769.28	279.23

32 33 13 00-0007 Single Sided (32 33 13 00-0002)

32 33 13 00-0008	EA	5' Galvanized Steel Single Sided Bike Rack, 5 Bikes.....	595.55	99.72
32 33 13 00-0009	EA	10' Galvanized Steel Single Sided Bike Rack, 9 Bikes.....	839.84	165.94
32 33 13 00-0010	EA	20' Galvanized Steel Single Sided Bike Rack, 18 Bikes.....	1,442.75	249.31

32 33 13 00-0011 Anchor Set For Vertical Style Bike Rack (32 33 13 00-0002)

32 33 13 00-0012	PR	Anchor Set For Vertical Style Bike Rack.....	107.98	
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Note: Anchoring frame to ground.

32 33 13 00-0013 Bike Racks Ground Loop (32 33 13 00-0001)

32 33 13 00-0014	EA	83" Ground Loop Bike Rack, Surface Or Wall Mounted, 12 Bikes.....	891.09	195.70
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Note: In-ground mount.

32 33 13 00-0015 Serpentine Bike Racks (32 33 13 00-0001)

32 33 13 00-0016 Galvanized, 36" High, 2-3/8" OD Tubing (32 33 13 00-0015)

32 33 13 00-0017	EA	1' x 3' High Serpentine (M Style) Bike Rack, 3 Bikes, Galvanized.....	490.37	119.67
32 33 13 00-0018	EA	3' x 3' High Serpentine (M Style) Bike Rack, 5 Bikes, Galvanized.....	671.53	129.64
32 33 13 00-0019	EA	5' x 3' High Serpentine (M Style) Bike Rack, 7 Bikes, Galvanized.....	852.69	139.62
32 33 13 00-0020	EA	7' x 3' High Serpentine (M Style) Bike Rack, 9 Bikes, Galvanized.....	1,056.88	149.59
32 33 13 00-0021	EA	9' x 3' High Serpentine (M Style) Bike Rack, 11 Bikes, Galvanized.....	1,261.08	159.55
32 33 13 00-0022	EA	11' x 3' High Serpentine (M Style) Bike Rack, 13 Bikes, Galvanized.....	1,373.15	169.53

32 33 13 00-0023 Galvanized, 42" High, 2-3/8" OD Tubing (32 33 13 00-0015)

32 33 13 00-0024	EA	1' x 42" High Serpentine Bike Rack, 3 Bikes, Galvanized.....	557.90	119.67
32 33 13 00-0025	EA	3' x 42" High Serpentine Bike Rack, 5 Bikes, Galvanized.....	720.21	129.64
32 33 13 00-0026	EA	5' x 42" High Serpentine Bike Rack, 7 Bikes, Galvanized.....	882.53	139.62
32 33 13 00-0027	EA	7' x 42" High Serpentine Bike Rack, 9 Bikes, Galvanized.....	1,027.04	149.59
32 33 13 00-0028	EA	9' x 42" High Serpentine Bike Rack, 11 Bikes, Galvanized.....	1,189.37	159.55
32 33 13 00-0029	EA	11' x 42" High Serpentine Bike Rack, 13 Bikes, Galvanized.....	1,387.28	169.53

32 33 13 00-0030 Powder Coated, 36" High, 2-3/8" OD Tubing (32 33 13 00-0015)

32 33 13 00-0031	EA	1' x 3' High Serpentine (M Style) Bike Rack, 3 Bikes, Powder Coated.....	490.37	119.67
32 33 13 00-0032	EA	3' x 3' High Serpentine (M Style) Bike Rack, 5 Bikes, Powder Coated.....	671.53	129.64
32 33 13 00-0033	EA	5' x 3' High Serpentine (M Style) Bike Rack, 7 Bikes, Powder Coated.....	852.69	139.62
32 33 13 00-0034	EA	7' x 3' High Serpentine (M Style) Bike Rack, 9 Bikes, Powder Coated.....	1,056.88	149.59
32 33 13 00-0035	EA	9' x 3' High Serpentine (M Style) Bike Rack, 11 Bikes, Powder Coated.....	1,261.08	159.55
32 33 13 00-0036	EA	11' x 3' High Serpentine (M Style) Bike Rack, 13 Bikes, Powder Coated.....	1,373.15	169.53

32 33 13 00-0037 Powder Coated, 42" High, 2-3/8" OD Tubing (32 33 13 00-0015)

32 33 13 00-0038	EA	1' x 42" High Serpentine Bike Rack, 3 Bikes, Powder Coated.....	575.69	119.67
32 33 13 00-0039	EA	3' x 42" High Serpentine Bike Rack, 5 Bikes, Powder Coated.....	755.80	129.64
32 33 13 00-0040	EA	5' x 42" High Serpentine Bike Rack, 7 Bikes, Powder Coated.....	918.12	139.62
32 33 13 00-0041	EA	7' x 42" High Serpentine Bike Rack, 9 Bikes, Powder Coated.....	1,116.03	149.59
32 33 13 00-0042	EA	9' x 42" High Serpentine Bike Rack, 11 Bikes, Powder Coated.....	1,278.35	159.55
32 33 13 00-0043	EA	11' x 42" High Serpentine Bike Rack, 13 Bikes, Powder Coated.....	1,494.06	169.53

32 33 13 00-0044 Stainless Steel, 36" High, 2-3/8" OD Tubing (32 33 13 00-0015)

32 33 13 00-0045	EA	1' x 36" High Serpentine Bike Rack, 3 Bikes, Stainless Steel.....	944.06	119.67
32 33 13 00-0046	EA	3' x 36" High Serpentine Bike Rack, 5 Bikes, Stainless Steel.....	1,416.55	129.64
32 33 13 00-0047	EA	5' x 36" High Serpentine Bike Rack, 7 Bikes, Stainless Steel.....	1,889.08	139.62
32 33 13 00-0048	EA	7' x 36" High Serpentine Bike Rack, 9 Bikes, Stainless Steel.....	2,426.24	149.59
32 33 13 00-0049	EA	9' x 36" High Serpentine Bike Rack, 11 Bikes, Stainless Steel.....	2,963.40	159.55
32 33 13 00-0050	EA	11' x 36" High Serpentine Bike Rack, 13 Bikes, Stainless Steel.....	3,241.96	169.53

32 33 13 00-0051 Stainless Steel, 42" High, 2-3/8" OD Tubing (32 33 13 00-0015)

32 33 13 00-0052	EA	1' x 42" High Serpentine Bike Rack, 3 Bikes, Stainless Steel.....	735.86	119.67
32 33 13 00-0053	EA	3' x 42" High Serpentine Bike Rack, 5 Bikes, Stainless Steel.....	1,645.62	129.64
32 33 13 00-0054	EA	5' x 42" High Serpentine Bike Rack, 7 Bikes, Stainless Steel.....	2,163.87	139.62
32 33 13 00-0055	EA	7' x 42" High Serpentine Bike Rack, 9 Bikes, Stainless Steel.....	2,646.52	149.59

**32 Exterior Improvements****32 30 Site Improvements****32 33 Site Furnishings**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 33 13 00-0056	EA 9' x 42" High Serpentine Bike Rack, 11 Bikes, Stainless Steel .....	3,146.98	159.55
32 33 13 00-0057	EA 11' x 42" High Serpentine Bike Rack, 13 Bikes, Stainless Steel .....	3,665.23	169.53
<b>32 33 13 00-0058</b>	<b>Bike Racks Bollards/Bicycle Posts</b> (32 33 13 00-0001) Note: In-ground mount.		
32 33 13 00-0059	EA 43" Overall Height, 4-1/2" Outside Diameter Bollard/Bicycle Post, 2 Loop Galvanized Steel Bollard (Belson BOLA450-2R-IG-G).....	527.42	89.76
<b>32 33 23</b>	<b>Site Trash and Litter Receptacles</b> (32 33)		
<b>32 33 23 00-0001</b>	<b>Steel Trash Containment</b> (32 33 23)		
<b>32 33 23 00-0002</b>	<b>Steel Frame Surrounded With Kiln-Dried Wood</b> (32 33 23 00-0001)		
32 33 23 00-0003	EA 13" x 13" x 30" Ash Receptacle Steel Frame, Kiln Dried Wood .....	448.72	47.61
32 33 23 00-0004	EA 24" x 24" x 30" High Open Top Trash Container Steel Frame, Kiln Dried Wood .....	428.55	47.61
32 33 23 00-0005	EA 21" x 21" x 31" High Flat Top Trash Container Steel Frame, Kiln Dried Wood .....	428.55	47.61
32 33 23 00-0006	EA 24" x 24" x 31" High, Flat Top Trash Container Steel Frame, Kiln Dried Wood .....	405.86	47.61
32 33 23 00-0007	EA 18" x 18" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood.....	448.72	47.61
32 33 23 00-0008	EA 23" x 23" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood.....	405.86	47.61
32 33 23 00-0009	EA 24" x 24" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood.....	554.63	47.61
<b>32 33 23 00-0010</b>	<b>Square Steel Frames Surrounded With Flat Steel</b> (32 33 23 00-0001)		
32 33 23 00-0011	EA 26" Diameter x 34" High Open Top Trash Square Container Steel Frame, Flat Steel Surround .....	808.38	47.61
32 33 23 00-0012	EA 26" Diameter x 34" High Dome Top Trash Square Container Steel Frame, Flat Steel Surround.....	872.45	47.61
32 33 23 00-0013	EA 26" Diameter x 39" High Dome Top Trash Square Container Steel Frame, Flat Steel Surround.....	872.45	47.61
<b>32 33 23 00-0014</b>	<b>Round Steel Pipe And Flat Steel Frames</b> (32 33 23 00-0001) Note: Surrounded with kiln-dried wood.		
32 33 23 00-0015	EA 21" Diameter x 32" High Open Top Trash Container Steel Pipe, Flat Steel Frame, Kiln Dried Wood.....	1,192.85	47.61
32 33 23 00-0016	EA 21" Diameter x 32" High Flat Top Trash Steel Container Pipe, Flat Steel Frame, Kiln Dried Wood .....	1,284.39	47.61
32 33 23 00-0017	EA 21" Diameter x 39" High Dome Top Trash Steel Container Pipe, Flat Steel Frame, Kiln Dried Wood.....	1,478.91	47.61
32 33 23 00-0018	EA 21" Diameter x 40" High HPR Top Trash Container Steel Pipe, Flat Steel Frame, Kiln Dried Wood.....	1,341.60	47.61
<b>32 33 23 00-0019</b>	<b>Round Steel Pipe Surrounded With Perforated</b> (32 33 23 00-0001)		
32 33 23 00-0020	EA 21" Diameter x 32" High Open Top Trash Container Perforated Round Steel Pipe.....	1,066.98	47.61
32 33 23 00-0021	EA 21" Diameter x 32" High Flat Top Trash Container Perforated Round Steel Pipe.....	1,158.52	47.61
32 33 23 00-0022	EA 21" Diameter x 39" High Dome Top Trash Container Perforated Round Steel Pipe.....	1,353.04	47.61
32 33 23 00-0023	EA 21" Diameter x 40" High HPR Top Trash Container Perforated Round Steel Pipe.....	1,227.18	47.61
<b>32 33 23 00-0024</b>	<b>Round Steel Pipe Frames Surrounded With Welded Wire</b> (32 33 23 00-0001)		
32 33 23 00-0025	EA 21" Diameter x 32" High Flat Top Trash Container Steel Pipe Frame, Welded Wire Surround .....	849.57	47.61
32 33 23 00-0026	EA 21" Diameter x 32" High Open Top Trash Steel Container Pipe Frame, Welded Wire Surround .....	941.11	47.61
32 33 23 00-0027	EA 21" Diameter x 39" High Dome Top Trash Steel Container Pipe Frame, Welded Wire Surround.....	1,135.64	47.61
32 33 23 00-0028	EA 21" Diameter x 40" High HPR Top Trash Container Steel Pipe Frame, Welded Wire Surround.....	1,009.77	47.61
<b>32 33 23 00-0029</b>	<b>Litter Baskets</b> (32 33 23)		
<b>32 33 23 00-0030</b>	<b>Round Wire Litter Baskets</b> (32 33 23 00-0029)		
32 33 23 00-0031	EA 1.33' Diameter x 1.83' High Round Wire Litter Basket .....	149.35	4.84
32 33 23 00-0032	EA 1.5' Diameter x 1.83' High Round Wire Litter Basket .....	188.51	4.84
32 33 23 00-0033	EA 1.75' Diameter x 2.33' High Round Wire Litter Basket.....	254.95	4.84
32 33 23 00-0034	EA 1.83' Diameter x 2.83' High Round Wire Litter Basket .....	292.44	4.84
<b>32 33 23 00-0035</b>	<b>Trash Can/Wire Basket Holder</b> (32 33 23 00-0029)		
32 33 23 00-0036	EA Steel Post, Single Holder .....	215.10	38.88
32 33 23 00-0037	EA Steel Post, Double Holder.....	290.04	38.88
32 33 23 00-0038	EA Redwood Post, Single Holder .....	194.75	38.88
32 33 23 00-0039	EA Redwood Post, Double Holder.....	237.93	38.88
<b>32 33 23 00-0040</b>	<b>Litter Receptacles, Freestanding</b> (32 33 23 00-0029) Note: Includes 1-1/2" outside diameter steel leg supports. Wall mounted, includes 3/8" x 3" steel wall plates. Surface mounted, includes 2-1/2" outside diameter steel tube with floor flange, embedded to include 2-1/2" outside diameter steel tube.		
32 33 23 00-0041	EA 16" Diameter x 28" High Litter Receptacle, Freestanding Or Embedded.....	1,199.56	19.84
	For Powder Coated Sand Pan, Add	50.00	
	For Orange Peel Lid, Add	25.00	
	For Polished Granite Lid, Add	50.00	
32 33 23 00-0042	EA 16" Diameter x 32" High Litter Receptacle, Freestanding Or Embedded.....	1,262.60	19.84
	For Powder Coated Sand Pan, Add	50.00	
	For Orange Peel Lid, Add	25.00	
	For Polished Granite Lid, Add	50.00	
32 33 23 00-0043	EA 20" Diameter x 36" High Litter Receptacle, Freestanding Or Embedded.....	1,471.55	29.75
	For Powder Coated Sand Pan, Add	50.00	
	For Orange Peel Lid, Add	25.00	
	For Polished Granite Lid, Add	50.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 23 00-0044	EA		20" Diameter x 40" High Litter Receptacle, Freestanding Embedded..... <i>For Powder Coated Sand Pan, Add</i> <i>For Orange Peel Lid, Add</i> <i>For Polished Granite Lid, Add</i>	1,534.58 50.00 25.00 50.00	29.75
32 33 23 00-0045	EA		16" Diameter x 28" High Litter Receptacle, Pole Mount With Pole ..... <i>For Powder Coated Sand Pan, Add</i> <i>For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add</i> <i>For Orange Peel Lid, Add</i> <i>For Polished Granite Lid, Add</i>	1,597.62 50.00 22.50 25.00 50.00	29.75
32 33 23 00-0046	EA		16" Diameter x 32" High Litter Receptacle, Pole Mount With Pole ..... <i>For Powder Coated Sand Pan, Add</i> <i>For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add</i> <i>For Orange Peel Lid, Add</i> <i>For Polished Granite Lid, Add</i>	1,660.66 50.00 22.50 25.00 50.00	29.75
32 33 23 00-0047	EA		16" Diameter x 28" High Litter Receptacle, Wall Mount..... <i>For Powder Coated Sand Pan, Add</i> <i>For Orange Peel Lid, Add</i> <i>For Polished Granite Lid, Add</i> <i>For 1-1/2" x 6" Diameter Metal Cover Plate, Add</i>	1,324.93 50.00 25.00 50.00 20.00	25.79
32 33 23 00-0048	EA		16" Diameter x 32" High Litter Receptacle, Wall Mount..... <i>For Powder Coated Sand Pan, Add</i> <i>For Orange Peel Lid, Add</i> <i>For Polished Granite Lid, Add</i> <i>For 1-1/2" x 6" Diameter Metal Cover Plate, Add</i>	1,387.97 50.00 25.00 50.00 20.00	25.79
<b>32 33 23 00-0049</b>			<b>Ash Receptacles (32 33 23)</b>		
32 33 23 00-0050	EA		12" Diameter x 21" High Ash Receptacle, Freestanding Or Embedded ..... <i>For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add</i> <i>For Sand Pan, Add</i> <i>For Bowl And Funnel, Add</i>	614.76 22.50 110.00 120.00	19.84
32 33 23 00-0051	EA		18" Square Concrete Exposed Aggregate x 36" High Ash Receptacles With 3-1/2" ID iron Pipe With Cap Square Concrete With Steel Liner.....	258.24	19.84
<b>32 33 23 00-0052</b>			<b>Trash Receptacles (32 33 23)</b>		
32 33 23 00-0053	EA		Outdoor Covered Steel Receptacle With Liner .....	985.24	19.84
32 33 23 00-0054	EA		Driftwood And Sable Receptacle, 35 Gallon With Liner And Frame .....	806.71	19.84
32 33 23 00-0055	EA		24" x 24" Square Trash Containment With Exposed Aggregate Finish .....	663.70	19.84
32 33 23 00-0056	EA		30" x 30" Square Trash Containment With Exposed Aggregate Finish .....	692.14	21.81
32 33 23 00-0057	EA		36" x 36" Square Trash Containment With Exposed Aggregate Finish .....	745.05	23.80
32 33 23 00-0058	EA		32 Gallon, Open Round Trash Receptacle, Recycled Plastic Lumber.....	458.51	15.87
32 33 23 00-0059	EA		32 Gallon, Round Trash Receptacle With Liner And Lid, Recycled Plastic Lumber .....	547.42	15.87
32 33 23 00-0060	EA		24" x 24" Square 18" High Trash Receptacle, Fiberglass.....	356.58	19.84
<b>32 33 23 00-0061</b>			<b>Trash Containers (Dumpsters) (32 33 23)</b>		
32 33 23 00-0062	EA		1 CY Straight Side Trash Dumpster.....	243.90	
32 33 23 00-0063	EA		1.5 CY Straight Side Trash Dumpster.....	365.85	
32 33 23 00-0064	EA		2 CY Straight Side Trash Dumpster.....	487.80	
32 33 23 00-0065	EA		2 CY Sloped Side Trash Dumpster.....	487.80	
32 33 23 00-0066	EA		3 CY Sloped Side Trash Dumpster.....	731.70	
32 33 23 00-0067	EA		4 CY Sloped Side Trash Dumpster.....	975.60	
32 33 23 00-0068	EA		6 CY Sloped Side Trash Dumpster.....	1,463.39	
32 33 23 00-0069	EA		8 CY Sloped Side Trash Dumpster.....	1,951.19	
<b>32 33 33</b>			<b>Site Manufactured Planters (32 33)</b>		
<b>32 33 33 00-0001</b>			<b>Precast Concrete Planters (32 33 33)</b>		
<b>32 33 33 00-0002</b>			<b>Circular Precast Concrete Planters (32 33 33 00-0001)</b>		
32 33 33 00-0003	EA		24" Diameter, 17" Height, Circular Precast Concrete Planter .....	664.32	24.53
32 33 33 00-0004	EA		24" Diameter, 24" Height, Circular Precast Concrete Planter .....	744.09	29.45
32 33 33 00-0005	EA		24" Diameter, 33" Height, Circular Precast Concrete Planter .....	814.06	29.45
32 33 33 00-0006	EA		30" Diameter, 17" Height, Circular Precast Concrete Planter .....	883.55	34.35
32 33 33 00-0007	EA		30" Diameter, 30" Height, Circular Precast Concrete Planter .....	1,069.85	44.16
32 33 33 00-0008	EA		36" Diameter, 24" Height, Circular Precast Concrete Planter .....	1,164.51	44.16
32 33 33 00-0009	EA		36" Diameter, 30" Height, Circular Precast Concrete Planter .....	1,312.17	49.07
32 33 33 00-0010	EA		48" Diameter, 17" Height, Circular Precast Concrete Planter .....	1,386.25	49.07
32 33 33 00-0011	EA		48" Diameter, 24" Height, Circular Precast Concrete Planter .....	1,544.54	61.33
32 33 33 00-0012	EA		48" Diameter, 30" Height, Circular Precast Concrete Planter .....	1,642.93	65.26
32 33 33 00-0013	EA		48" Diameter, 36" Height, Circular Precast Concrete Planter .....	1,711.53	68.70
32 33 33 00-0014	EA		60" Diameter, 17" Height, Circular Precast Concrete Planter .....	1,554.11	61.33
32 33 33 00-0015	EA		60" Diameter, 24" Height, Circular Precast Concrete Planter .....	1,709.47	68.70
32 33 33 00-0016	EA		60" Diameter, 36" Height, Circular Precast Concrete Planter .....	2,190.51	73.60
32 33 33 00-0017	EA		72" Diameter, 36" Height, Circular Precast Concrete Planter .....	2,842.95	93.23
32 33 33 00-0018	EA		84" Diameter, 36" Height, Circular Precast Concrete Planter .....	3,303.40	98.13
<b>32 33 33 00-0019</b>			<b>Square Precast Concrete Planters (32 33 33 00-0001)</b>		
32 33 33 00-0020	EA		36" Square, 30" Height, Square Precast Concrete Planter .....	1,338.94	63.79
32 33 33 00-0021	EA		42" Square, 30" Height, Square Precast Concrete Planter .....	1,533.05	68.70
32 33 33 00-0022	EA		60" Square, 36" Height, Square Precast Concrete Planter .....	2,422.55	78.51
32 33 33 00-0023	EA		72" Square, 36" Height, Square Precast Concrete Planter .....	2,584.63	83.41

**32 Exterior Improvements****32 30 Site Improvements****32 33 Site Furnishings**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 33 33 00-0024	Rectangular Precast Concrete Planters <small>(32 33 33 00-0001)</small>			
32 33 33 00-0025	EA	33" x 18", 20" Height, Rectangular Precast Concrete Planter.....	774.96	29.45
32 33 33 00-0026	EA	48" x 18", 20" Height, Rectangular Precast Concrete Planter.....	909.35	44.16
32 33 33 00-0027	EA	60" x 18", 20" Height, Rectangular Precast Concrete Planter.....	1,054.96	49.07
32 33 33 00-0028	EA	72" x 18", 20" Height, Rectangular Precast Concrete Planter.....	1,200.91	61.33
32 33 33 00-0029	Fiberglass Planters <small>(32 33 33)</small>			
32 33 33 00-0030	Circular Fiberglass Planters <small>(32 33 33 00-0029)</small>			
32 33 33 00-0031	EA	36" Diameter, 27" High, Circular Fiberglass Planter.....	1,636.32	24.53
32 33 33 00-0032	EA	60" Diameter, 39" High, Circular Fiberglass Planter.....	2,730.21	24.53
32 33 33 00-0033	EA	36" Diameter, 24" High, Circular Fiberglass Planter.....	1,087.41	24.53
32 33 33 00-0034	EA	60" Diameter, 24" High, Circular Fiberglass Planter.....	2,153.55	24.53
32 33 33 00-0035	Tapered Circular Fiberglass Planters <small>(32 33 33 00-0029)</small>			
32 33 33 00-0036	EA	24" Diameter, 20" High, Tapered Circular Fiberglass Planter.....	630.19	24.53
32 33 33 00-0037	EA	30" Diameter, 25" High, Tapered Circular Fiberglass Planter.....	928.86	24.53
32 33 33 00-0038	EA	36" Diameter, 30" High, Tapered Circular Fiberglass Planter.....	1,664.07	24.53
32 33 33 00-0039	EA	40" Diameter, 36" High, Tapered Circular Fiberglass Planter.....	2,327.94	24.53
32 33 33 00-0040	Square Fiberglass Planters <small>(32 33 33 00-0029)</small>			
32 33 33 00-0041	EA	24" Square, 21" High, Square Fiberglass Planter.....	830.88	24.53
32 33 33 00-0042	EA	24" Square, 24" High, Square Fiberglass Planter.....	849.60	24.53
32 33 33 00-0043	EA	30" Square, 12" High, Square Fiberglass Planter.....	859.50	24.53
32 33 33 00-0044	EA	30" Square, 21" High, Square Fiberglass Planter.....	976.43	24.53
32 33 33 00-0045	EA	30" Square, 24" High, Square Fiberglass Planter.....	1,061.63	24.53
32 33 33 00-0046	Rectangular Fiberglass Planters <small>(32 33 33 00-0029)</small>			
32 33 33 00-0047	EA	48" x 12", 12" High, Rectangular Fiberglass Planter.....	957.91	24.53
32 33 33 00-0048	EA	48" x 12", 21" High, Rectangular Fiberglass Planter.....	1,027.78	24.53
32 33 33 00-0049	EA	48" x 24", 12" High, Rectangular Fiberglass Planter.....	1,342.41	24.53
32 33 33 00-0050	EA	48" x 24", 21" High, Rectangular Fiberglass Planter.....	1,482.14	24.53
32 33 33 00-0051	Timber Planters <small>(32 33 33)</small>			
32 33 33 00-0052	Square Timber Planters <small>(32 33 33 00-0051)</small>			
32 33 33 00-0053	EA	14" Square, 30" High, Square Timber Planter.....	898.40	47.61
32 33 33 00-0054	EA	21" Square, 30" High, Square Timber Planter.....	898.40	47.61
32 33 33 00-0055	EA	27" Square, 30" High, Square Timber Planter.....	1,806.05	47.61
32 33 33 00-0056	EA	34" Square, 30" High, Square Timber Planter.....	1,550.37	47.61
32 33 33 00-0057	EA	41" Square, 36" High, Square Timber Planter.....	1,869.97	47.61
32 33 33 00-0058	EA	54" Square, 36" High, Square Timber Planter.....	4,989.23	47.61
32 33 33 00-0059	EA	81" Square, 36" High, Square Timber Planter.....	7,558.78	47.61
32 33 33 00-0060	Rectangular Timber Planters <small>(32 33 33 00-0051)</small>			
32 33 33 00-0061	EA	21" x 14", 30" High, Rectangular Timber Planter.....	885.61	47.61
32 33 33 00-0062	EA	27" x 14", 30" High, Rectangular Timber Planter.....	1,000.67	47.61
32 33 33 00-0063	EA	27" x 21", 30" High, Rectangular Timber Planter.....	1,345.83	47.61
32 33 33 00-0064	EA	34" x 21", 30" High, Rectangular Timber Planter.....	1,499.24	47.61
32 33 33 00-0065	EA	41" x 21", 30" High, Rectangular Timber Planter.....	1,959.46	47.61
32 33 33 00-0066	EA	34" x 27", 30" High, Rectangular Timber Planter.....	2,291.84	47.61
32 33 33 00-0067	EA	41" x 27", 30" High, Rectangular Timber Planter.....	2,573.08	47.61
32 33 33 00-0068	EA	54" x 27", 30" High, Rectangular Timber Planter.....	3,378.46	47.61
32 33 33 00-0069	EA	54" x 34", 30" High, Rectangular Timber Planter.....	3,825.90	47.61
32 33 33 00-0070	EA	68" x 34", 36" High, Rectangular Timber Planter.....	4,375.60	47.61
32 33 33 00-0071	EA	54" x 41", 36" High, Rectangular Timber Planter.....	4,158.28	47.61
32 33 33 00-0072	EA	68" x 41", 36" High, Rectangular Timber Planter.....	4,720.77	47.61
32 33 33 00-0073	EA	81" x 41", 36" High, Rectangular Timber Planter.....	5,296.04	47.61
32 33 43	Site Seating and Tables <small>(32 33)</small>			
32 33 43 13	Site Seating <small>(32 33 43)</small>			
32 33 43 13-0001	Benches (Landscapiforms) <small>(32 33 43 13)</small>			
Note: Excludes embedding in concrete See CSI section 32 31 13 13-0001 for drilling and concrete.				
32 33 43 13-0002	EA	72" Backless Wood Or PolySite Bench (Landscapiforms Balustrade).....	1,495.30	79.34
32 33 43 13-0003	EA	72" Backed Wood Or PolySite Bench (Landscapiforms Balustrade).....	1,869.55	79.34
32 33 43 13-0004	EA	96" Backed Wood Bench (Landscapiforms Balustrade).....	2,110.13	79.34
32 33 43 13-0005	EA	End Loop Arms For Backed Bench (Landscapiforms Balustrade).....	173.34	19.84
32 33 43 13-0006	EA	72" Backless Wood Or PolySite Bench (Landscapiforms Gretchen's).....	1,634.77	79.34
32 33 43 13-0007	EA	96" Backless Wood Bench (Landscapiforms Gretchen's).....	1,849.79	79.34
32 33 43 13-0008	EA	72" Backed Wood Or PolySite Bench (Landscapiforms Gretchen's).....	2,018.32	79.34
32 33 43 13-0009	EA	96" Backed Wood Bench (Landscapiforms Gretchen's).....	2,279.82	79.34
32 33 43 13-0010	EA	72" Backed Wood Or PolySite Bench With Armrest (Landscapiforms Gretchen's).....	2,308.88	79.34
32 33 43 13-0011	EA	96" Backed Wood Bench With Armrest (Landscapiforms Gretchen's).....	2,570.39	79.34
32 33 43 13-0012	EA	59" Backed Wood Or Metal Rod Bench (Landscapiforms Hyde Park).....	2,997.64	79.34
32 33 43 13-0013	EA	75" Backed Wood Or Metal Rod Bench (Landscapiforms Hyde Park).....	3,258.22	79.34
32 33 43 13-0014	EA	42" Backless Metal Grid Bench (Landscapiforms Manistee).....	845.90	59.51



**32 Exterior Improvements****32 30 Site Improvements****32 33 Site Furnishings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 13-0097	EA		70" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-6-E) .....	1,078.49	39.68
32 33 43 13-0098	EA		94" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-8-E) .....	1,254.44	39.68
32 33 43 13-0099	EA		118" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-10-E) .....	1,616.68	39.68
32 33 43 13-0100	EA		70" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-6-P) .....	1,130.24	39.68
32 33 43 13-0101	EA		94" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-8-P) .....	1,306.19	39.68
32 33 43 13-0102	EA		118" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-10-P) .....	1,689.13	39.68
32 33 43 13-0103	EA		70" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-6-E) .....	2,082.42	39.68
32 33 43 13-0104	EA		94" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-8-E) .....	2,444.66	39.68
32 33 43 13-0105	EA		118" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-10-E) .....	3,200.20	39.68
32 33 43 13-0106	EA		70" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-6-P) .....	2,134.17	39.68
32 33 43 13-0107	EA		94" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-8-P) .....	2,496.41	39.68
32 33 43 13-0108	EA		118" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-10-P) .....	3,272.65	39.68
32 33 43 13-0109	EA		70" Length, Embedment Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-6-E) .....	819.75	39.68
32 33 43 13-0110	EA		94" Length, Embedment Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-8-E) .....	923.24	39.68
32 33 43 13-0111	EA		70" Length, Pedestal Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-6-P) .....	850.80	39.68
32 33 43 13-0112	EA		94" Length, Pedestal Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-8-P) .....	954.29	39.68
32 33 43 13-0113	EA		46" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-4-E) .....	1,368.29	39.68
32 33 43 13-0114	EA		70" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-6-E) .....	1,616.68	39.68
32 33 43 13-0115	EA		46" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-4-P) .....	1,451.08	39.68
32 33 43 13-0116	EA		70" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-6-P) .....	1,699.48	39.68
32 33 43 13-0117	EA		70" Length, Wall Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2045-6) .....	862.19	59.51
32 33 43 13-0118	EA		94" Length, Wall Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2045-8) .....	903.58	59.51
32 33 43 13-0119	EA		118" Length, Wall Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2045-10) .....	1,224.43	59.51
32 33 43 13-0120	EA		46" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-4-E) .....	664.50	39.68
32 33 43 13-0121	EA		70" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-6-E) .....	768.00	39.68
32 33 43 13-0122	EA		94" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-8-E) .....	871.49	39.68
32 33 43 13-0123	EA		118" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-10-E) .....	1,119.89	39.68
32 33 43 13-0124	EA		142" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-12-E) .....	1,223.39	39.68
32 33 43 13-0125	EA		46" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-4-P) .....	674.85	39.68
32 33 43 13-0126	EA		70" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-6-P) .....	778.35	39.68
32 33 43 13-0127	EA		94" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-8-P) .....	881.84	39.68
32 33 43 13-0128	EA		118" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-10-P) .....	1,150.94	39.68
32 33 43 13-0129	EA		142" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-12-P) .....	1,254.44	39.68
32 33 43 13-0130	EA		70" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-6-E) .....	1,140.59	39.68
32 33 43 13-0131	EA		94" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-8-E) .....	1,316.54	39.68
32 33 43 13-0132	EA		118" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-10- E) .....	1,699.48	39.68
32 33 43 13-0133	EA		142" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-12- E) .....	1,875.43	39.68
32 33 43 13-0134	EA		70" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-6-P) .....	1,161.29	39.68
32 33 43 13-0135	EA		94" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-8-P) .....	1,337.24	39.68
32 33 43 13-0136	EA		118" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-10-P) .....	1,730.53	39.68
32 33 43 13-0137	EA		142" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-12-P) .....	1,906.47	39.68
32 33 43 13-0138	EA		70" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-6-E) .....	1,140.59	39.68
32 33 43 13-0139	EA		82" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-7-E) .....	1,606.33	39.68
32 33 43 13-0140	EA		94" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-8-E) .....	1,430.38	39.68
32 33 43 13-0141	EA		118" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-10-E) .....	1,885.77	39.68
32 33 43 13-0142	EA		142" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-12-E) .....	2,061.72	39.68
32 33 43 13-0143	EA		70" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-6-P) .....	1,306.19	39.68
32 33 43 13-0144	EA		82" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-7-P) .....	1,637.38	39.68
32 33 43 13-0145	EA		94" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-8-P) .....	1,451.08	39.68
32 33 43 13-0146	EA		118" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-10-P) .....	1,916.82	39.68
32 33 43 13-0147	EA		142" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-12-P) .....	2,092.77	39.68
32 33 43 13-0148	EA		70" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2142-6) .....	1,203.73	59.51
32 33 43 13-0149	EA		94" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2142-8) .....	1,390.03	59.51
32 33 43 13-0150	EA		118" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2142-10) .....	1,783.32	59.51
32 33 43 13-0151	EA		70" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2143-6) .....	1,317.58	59.51
32 33 43 13-0152	EA		94" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2143-8) .....	1,503.87	59.51
32 33 43 13-0153	EA		118" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2143-10) .....	1,959.26	59.51
32 33 43 13-0154	<b>Recycled Plastic Benches (Columbia Cascade, TimberForm)</b> (32 33 43 13-0089)				
Note: Includes powder coated steel frames.					
32 33 43 13-0155	EA		70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-6-E) .....	964.64	39.68
32 33 43 13-0156	EA		94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-8-E) .....	1,316.54	39.68
32 33 43 13-0157	EA		70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-6-P) .....	995.69	39.68
32 33 43 13-0158	EA		94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-8-P) .....	1,347.59	39.68
32 33 43 13-0159	EA		46" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-4-E) .....	1,513.18	39.68



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 13-0160	EA	70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-6-E) .....	1,771.93	39.68
32 33 43 13-0161	EA	46" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-4-P) .....	1,595.98	39.68
32 33 43 13-0162	EA	70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-6-P) .....	1,854.73	39.68
32 33 43 13-0163	EA	70" Length, Wall Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2042-6) .....	965.68	59.51
32 33 43 13-0164	EA	94" Length, Wall Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2042-8) .....	1,162.33	59.51
32 33 43 13-0165	EA	118" Length, Wall Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2042-10) .....	1,369.33	59.51
32 33 43 13-0166	EA	70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-6-E) .....	788.68	39.68
32 33 43 13-0167	EA	94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-8-E) .....	1,057.78	39.68
32 33 43 13-0168	EA	118" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-10-E) .....	1,264.78	39.68
32 33 43 13-0169	EA	70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-6-P) .....	819.75	39.68
32 33 43 13-0170	EA	94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-8-P) .....	1,088.84	39.68
32 33 43 13-0171	EA	118" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-10-P) .....	1,306.19	39.68
32 33 43 13-0172	EA	70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-6-E) .....	1,254.44	39.68
32 33 43 13-0173	EA	94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-8-E) .....	1,689.13	39.68
32 33 43 13-0174	EA	118" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-10-E) .....	2,051.37	39.68
32 33 43 13-0175	EA	70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-6-P) .....	1,306.19	39.68
32 33 43 13-0176	EA	94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-8-P) .....	1,761.58	39.68
32 33 43 13-0177	EA	118" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-10-P) .....	2,123.82	39.68
32 33 43 13-0178	EA	70" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-6-E) .....	2,444.66	39.68
32 33 43 13-0179	EA	94" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-8-E) .....	3,365.80	39.68
32 33 43 13-0180	EA	118" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-10-E) .....	3,728.04	39.68
32 33 43 13-0181	EA	70" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-6-P) .....	2,496.41	39.68
32 33 43 13-0182	EA	94" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-8-P) .....	3,438.24	39.68
32 33 43 13-0183	EA	118" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-10-P) .....	3,800.49	39.68
32 33 43 13-0184	EA	70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-6-E) .....	1,533.88	39.68
32 33 43 13-0185	EA	82" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-7-E) .....	2,134.17	39.68
32 33 43 13-0186	EA	94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-8-E) .....	2,041.02	39.68
32 33 43 13-0187	EA	118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-10-E) .....	2,341.17	39.68
32 33 43 13-0188	EA	142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-12-E) .....	3,148.45	39.68
32 33 43 13-0189	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-6-P) .....	1,554.58	39.68
32 33 43 13-0190	EA	82" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-7-P) .....	2,165.22	39.68
32 33 43 13-0191	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-8-P) .....	2,072.07	39.68
32 33 43 13-0192	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-10-P) .....	2,372.22	39.68
32 33 43 13-0193	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-12-P) .....	3,200.20	39.68
32 33 43 13-0194	EA	70" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154- 6) .....	1,462.47	59.51
32 33 43 13-0195	EA	94" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154- 8) .....	1,969.61	59.51
32 33 43 13-0196	EA	118" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154- 10) .....	2,435.36	59.51
32 33 43 13-0197	EA	70" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-6) .....	1,638.42	59.51
32 33 43 13-0198	EA	94" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-8) .....	2,186.96	59.51
32 33 43 13-0199	EA	118" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-10) .....	2,404.31	59.51
32 33 43 13-0200	EA	46" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-4-E) .....	705.90	39.68
32 33 43 13-0201	EA	70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-6-E) .....	923.24	39.68
32 33 43 13-0202	EA	94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-8-E) .....	1,244.09	39.68
32 33 43 13-0203	EA	118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-10-E) .....	1,461.43	39.68
32 33 43 13-0204	EA	142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-12-E) .....	1,699.48	39.68
32 33 43 13-0205	EA	46" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-4-P) .....	726.60	39.68
32 33 43 13-0206	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-6-P) .....	943.94	39.68
32 33 43 13-0207	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-8-P) .....	1,275.14	39.68
32 33 43 13-0208	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-10-P) .....	1,492.48	39.68
32 33 43 13-0209	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-12-P) .....	1,740.88	39.68
32 33 43 13-0210	EA	70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-6-E) .....	1,368.29	39.68
32 33 43 13-0211	EA	94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-8-E) .....	1,875.43	39.68
32 33 43 13-0212	EA	118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-10-E) .....	2,310.12	39.68
32 33 43 13-0213	EA	142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-12-E) .....	2,599.91	39.68
32 33 43 13-0214	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-6-P) .....	1,388.98	39.68
32 33 43 13-0215	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-8-P) .....	1,906.47	39.68
32 33 43 13-0216	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-10-P) .....	2,341.17	39.68
32 33 43 13-0217	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-12-P) .....	2,641.31	39.68

**32 Exterior Improvements****32 30 Site Improvements****32 33 Site Furnishings**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST
**32 33 43 53 Site Tables (32 33 43)**

32 33 43 53-0001	Picnic Tables (32 33 43 53)		
32 33 43 53-0002	Concrete Picnic Tables (32 33 43 53-0001)		
32 33 43 53-0003	EA 72" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches (Quikcrete QLBT72PT).....	2,064.67	158.70
32 33 43 53-0004	EA 96" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches (Quick Crete QLBT96PT Or QLMR96PT).....	2,433.48	
	Note: Standard sealer		
32 33 43 53-0005	EA 102" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches And Handicap Access On Two Ends (Quick Crete QLMR102PTADA).....	2,441.09	
	Note: Standard sealer		
32 33 43 53-0006	EA 42" Diameter, Precast Concrete, Round Food Court Table Set With Four Benches (Quick Crete QR42FC).....	2,592.49	
	Note: Includes table top, four benches and mounting hardware.		

**32 33 63 Skate Board Deterrent (32 33)****32 33 63 00-0001 Skate Stoppers (32 33 63)**

32 33 63 00-0002	EA Aluminum Architectural Series Pieces, Skate Stopper.....	52.81	
	Note: Various shapes. Includes drilling and anchoring into suitable surface material.		
	For >59 To 99, Deduct	-5.61	
	For >99 To 249, Deduct	-7.09	
	For >249, Deduct	-8.58	
32 33 63 00-0003	EA Aluminum Fixed Angle Series Pieces, Skate Stopper.....	55.96	
	Note: Various shapes. Includes drilling and anchoring into suitable surface material.		
	For >59 To 99, Deduct	-6.05	
	For >99 To 249, Deduct	-7.63	
	For >249, Deduct	-9.21	
32 33 63 00-0004	EA Aluminum Fixed Radius Series Pieces, Skate Stopper.....	39.80	
	Note: Various shapes. Includes drilling and anchoring into suitable surface material.		
	For >59 To 99, Deduct	-3.79	
	For >99 To 249, Deduct	-4.88	
	For >249, Deduct	-5.98	
32 33 63 00-0005	EA Aluminum Bench Clips, Skate Stopper.....	32.06	
	Note: Various shapes. Includes drilling and anchoring into suitable surface material.		
	For >59 To 99, Deduct	-2.70	
	For >99 To 249, Deduct	-3.57	
	For >249, Deduct	-4.43	
32 33 63 00-0006	EA Aluminum Curve Clips, Skate Stopper.....	34.97	
	Note: Various shapes. Includes drilling and anchoring into suitable surface material.		
	For >59 To 99, Deduct	-3.11	
	For >99 To 249, Deduct	-4.06	
	For >249, Deduct	-5.01	
32 33 63 00-0007	EA Aluminum Hand Rail, Skate Stopper.....	33.48	
	Note: Various shapes. Includes drilling and anchoring into suitable surface material.		
	For >59 To 99, Deduct	-2.90	
	For >99 To 249, Deduct	-3.81	
	For >249, Deduct	-4.71	
32 33 63 00-0008	EA Aluminum 2" x 3" x 0.25" Flat Cap, Skate Stopper.....	31.59	
	Note: Includes drilling and anchoring into suitable surface material.		
	For >59 To 99, Deduct	-2.64	
	For >99 To 249, Deduct	-3.49	
	For >249, Deduct	-4.33	
32 33 63 00-0009	EA Aluminum 6" Diameter x 0.25" Rumble Disc, Skate Stopper.....	43.33	
	Note: Includes drilling and anchoring into suitable surface material.		
	For >59 To 99, Deduct	-4.28	
	For >99 To 249, Deduct	-5.48	
	For >249, Deduct	-6.68	
32 33 63 00-0010	EA Aluminum 4" x 17" x 0.25" Flat Strap, Skate Stopper.....	78.58	
	Note: Includes drilling and anchoring into suitable surface material.		
	For >59 To 99, Deduct	-9.22	
	For >99 To 249, Deduct	-11.47	
	For >249, Deduct	-13.73	

**32 39 Manufactured Site Specialties (32 39)**

Note: Excludes coredrilling, augering, concrete footing and compaction See CSI section 02 41 19 13-0025 for concrete core drilling, 02 41 19 13-0163 for asphalt core drilling, 32 31 13 13-0002 for augering, 32 31 13 13-0019 for concrete footing, 32 31 13 13-0045 for compaction of earth.

**32 39 13 Manufactured Metal Bollards (32 39)****32 39 13 00-0001 Metal Pipe Bollards (32 39 13)**

Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill for post and post holes.

**32 39 13 00-0002 Steel Pipe Bollard, Schedule 40 Pipe, Painted Or Powder Coated (32 39 13 00-0001)**

32 39 13 00-0003	LF 4" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated.....	49.19	11.86
	For Galvanized Steel, Add	4.33	
	For 304 Stainless Steel, Add	34.38	
	For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	118.88	
	For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add	83.37	
	For Schedule 80, Add	6.19	
	For Concrete Fill, Add Per LF Of Pipe Bollard	9.16	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 39 13 00-0004	LF		6" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated .....63.89	63.89	11.86
			<i>For Galvanized Steel, Add</i> .....6.83		
			<i>For 304 Stainless Steel, Add</i> .....54.23		
			<i>For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add</i> .....118.88		
			<i>For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add</i> .....83.37		
			<i>For Schedule 80, Add</i> .....8.40		
			<i>For Concrete Fill, Add Per LF Of Pipe Bollard</i> .....12.98		
32 39 13 00-0005	LF		8" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated .....89.23	89.23	14.83
			<i>For Galvanized Steel, Add</i> .....10.13		
			<i>For 304 Stainless Steel, Add</i> .....80.43		
			<i>For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add</i> .....156.60		
			<i>For Each Sleeve For Removable, Lockable Bollard, Add</i> .....124.98		
			<i>For Schedule 80, Add</i> .....11.90		
			<i>For Concrete Fill, Add Per LF Of Pipe Bollard</i> .....17.34		
32 39 13 00-0006	LF		10" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated .....117.10	117.10	17.79
			<i>For Galvanized Steel, Add</i> .....13.86		
			<i>For 304 Stainless Steel, Add</i> .....110.05		
			<i>For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add</i> .....180.32		
			<i>For Each Sleeve For Removable, Lockable Bollard, Add</i> .....136.33		
			<i>For Schedule 80, Add</i> .....15.79		
			<i>For Concrete Fill, Add Per LF Of Pipe Bollard</i> .....21.23		
32 39 13 00-0007	LF		12" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated .....148.60	148.60	23.72
			<i>For Galvanized Steel, Add</i> .....17.20		
			<i>For 304 Stainless Steel, Add</i> .....136.57		
			<i>For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add</i> .....240.21		
			<i>For Each Sleeve For Removable, Lockable Bollard, Add</i> .....187.76		
			<i>For Schedule 80, Add</i> .....19.92		
			<i>For Concrete Fill, Add Per LF Of Pipe Bollard</i> .....24.81		
<b>32 39 13 00-0008</b>			<b>Cast Bollards</b> (32 39 13 00-0001)		
32 39 13 00-0009	EA		36" Cast Aluminum Bollard, Black Powder Coat Finish .....1,539.99	1,539.99	71.16
			Note: 8-1/2" diameter, embedded mounting plate, all colors.		
32 39 13 00-0010	EA		36" Cast Aluminum Removable Bollard, Black Powder Coat Finish .....2,591.06	2,591.06	71.16
			Note: 8-1/2" diameter, embedded mounting plate, lockable, all colors.		
32 39 13 00-0011	EA		36" Cast Iron Bollard, Powder Coat Finish .....1,307.62	1,307.62	71.16
			Note: 8-1/2" diameter, embedded mounting plate, all colors.		
32 39 13 00-0012	EA		36" Cast Iron Removable Bollard, Black Powder Coat Finish .....2,364.90	2,364.90	71.16
			Note: 8-1/2" diameter, embedded mounting plate, lockable, all colors.		
<b>32 39 23</b>			<b>Manufactured Concrete Bollards</b> (32 39)		
32 39 23 00-0001			<b>Concrete Bollards</b> (32 39 23)		
			Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.		
32 39 23 00-0002			<b>Concrete Bollard, Exposed Aggregate</b> (32 39 23 00-0001)		
32 39 23 00-0003	EA		12" x 12" x 30" High Concrete Bollard, Light Sandblast .....613.13	613.13	94.88
			Note: Surface mounted with anchor bolts embedded into grout pockets.		
32 39 23 00-0004	EA		12" Diameter x 30" High Concrete Bollard, Light Sandblast .....613.13	613.13	94.88
			Note: Surface mounted with anchor bolts embedded into grout pockets.		
<b>32 39 25</b>			<b>Manufactured Wood Bollards</b> (32 39)		
32 39 25 00-0001			<b>Wood Bollards</b> (32 39 25)		
			Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.		
32 39 25 00-0002			<b>Wood Bollard, Pressure Treated Timber</b> (32 39 25 00-0001)		
32 39 25 00-0003	LF		4" x 4", Pressure Treated Wood Bollard .....23.77	23.77	9.49
			<i>For Each Sleeve For Removable, Lockable Bollard, Add</i> .....83.37		
32 39 25 00-0004	LF		6" x 6", Pressure Treated Wood Bollard .....28.82	28.82	9.49
			<i>For Each Sleeve For Removable, Lockable Bollard, Add</i> .....83.37		
32 39 25 00-0005	LF		8" x 8", Pressure Treated Wood Bollard .....38.88	38.88	10.67
			<i>For Each Sleeve For Removable, Lockable Bollard, Add</i> .....126.10		
32 39 25 00-0006	LF		10" x 10", Pressure Treated Wood Bollard .....55.80	55.80	14.23
			<i>For Each Sleeve For Removable, Lockable Bollard, Add</i> .....139.74		
32 39 25 00-0007	LF		12" x 12", Pressure Treated Wood Bollard .....77.29	77.29	18.97
			<i>For Each Sleeve For Removable, Lockable Bollard, Add</i> .....196.99		
<b>32 39 27</b>			<b>Manufactured Plastic Bollards</b> (32 39)		
32 39 27 00-0001			<b>Plastic Bollards</b> (32 39 27)		
			See CSI section 32 31 13 13-0001 for augering and filling holes for bollards., 32 31 13 13-0018 for concrete fill.		
32 39 27 00-0002			<b>Recycled Plastic Bollards</b> (32 39 27 00-0001)		
32 39 27 00-0003	EA		6" x 6" x 33" Surface Mounted Recycled Plastic Bollard .....294.07	294.07	47.44
			Note: Includes anchor bolts.		
32 39 27 00-0004	EA		6" Diameter x 6" Steel Reinforced Recycled Plastic Bollard .....471.41	471.41	47.44
32 39 27 00-0005			<b>Plastic Bollard Covers</b> (32 39 27 00-0001)		
32 39 27 00-0006	EA		4" x 60", 1/8" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe .....73.24	73.24	10.26
			<i>For Reflective Tape, Add</i> .....8.37		
32 39 27 00-0007	EA		6" x 60", 1/8" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe .....79.22	79.22	11.29
			<i>For Reflective Tape, Add</i> .....8.37		

**32 Exterior Improvements****32 30 Site Improvements****32 39 Manufactured Site Specialties**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 39 27 00-0008	EA	3" x 60", 1/4" Thick LDPE Bollard Cover, Fits 3" To 3 1/2" Pipe	99.60	10.26
		<i>For Reflective Tape, Add</i>	8.37	
32 39 27 00-0009	EA	3-1/2" x 52", 1/4" Thick LDPE Bollard Cover, Fits 3 -1/2" To 4" Pipe	99.60	10.26
		<i>For Reflective Tape, Add</i>	8.37	
32 39 27 00-0010	EA	3-1/2" x 68", 1/4" Thick LDPE Bollard Cover, Fits 3-1/2" To 4" Pipe	111.90	10.26
		<i>For Reflective Tape, Add</i>	8.37	
32 39 27 00-0011	EA	4" x 52", 1/4" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe	99.60	10.26
		<i>For Reflective Tape, Add</i>	8.37	
32 39 27 00-0012	EA	4" x 60", 1/4" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe	101.35	10.26
		<i>For Reflective Tape, Add</i>	8.37	
32 39 27 00-0013	EA	5" x 52", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe	99.60	10.26
		<i>For Reflective Tape, Add</i>	8.37	
32 39 27 00-0014	EA	5" x 60", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe	101.35	10.26
		<i>For Reflective Tape, Add</i>	8.37	
32 39 27 00-0015	EA	5" x 72", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe	141.77	10.26
		<i>For Reflective Tape, Add</i>	8.37	
32 39 27 00-0016	EA	6" x 52", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	101.65	11.29
		<i>For Reflective Tape, Add</i>	8.37	
32 39 27 00-0017	EA	6" x 65", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	129.76	11.29
		<i>For Reflective Tape, Add</i>	8.37	
32 39 27 00-0018	EA	6" x 84", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	147.75	11.29
		<i>For Reflective Tape, Add</i>	8.37	
32 39 27 00-0019	EA	7" x 56", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	124.78	12.32
		<i>For Reflective Tape, Add</i>	8.37	
32 39 27 00-0020	EA	8" x 52", 1/4" Thick LDPE Bollard Cover, Fits 7" To 7-5/16" Pipe	135.32	12.32
		<i>For Reflective Tape, Add</i>	8.37	
32 39 27 00-0021	EA	8" x 69", 1/4" Thick LDPE Bollard Cover, Fits 8" To 8-5/8" Pipe	135.32	12.32
		<i>For Reflective Tape, Add</i>	8.37	
32 39 27 00-0022	EA	10" x 69", 1/4" Thick LDPE Bollard Cover, Fits 10" To 11" Pipe	182.79	12.32
		<i>For Reflective Tape, Add</i>	8.37	

**32 39 29 Manufactured Stone Bollards (32 39)****32 39 29 00-0001 Stone Bollards (32 39 29)**

See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.

**32 39 29 00-0002 Granite Bollards (32 39 29 00-0001)**

32 39 29 00-0003	EA	16" x 16" x 30" Granite Bollard, Smooth Matt Finish	1,194.26	118.60
		Note: Surface mounted with anchors embedded into grout pockets.		
32 39 29 00-0004	EA	16" x 16" x 54" Granite Bollard, Smooth Matt Finish	1,515.36	166.05
		Note: Surface mounted with anchors embedded into grout pockets.		
32 39 29 00-0005	EA	12" x 12" x 24" Granite Bollard, Rough Finish, Pyramid Top	748.79	118.60
		Note: Surface mounted with anchors embedded into grout pockets.		
32 39 29 00-0006	EA	12" Diameter x 18" Granite Bollard, Smooth Matt Finish	1,094.62	94.88
		Note: Flat Top, surface mounted with anchors embedded into grout pockets.		
32 39 29 00-0007	EA	24" x 24" x 20" Granite Bollard, Octagonal Cross Section	1,625.36	94.88
		Note: Smooth matt finish, flat top, surface mounted with anchors embedded into grout pockets.		

**32 80 Irrigation (32)****32 84 Planting Irrigation (32 80)****32 84 13 Drip Irrigation (32 84)****32 84 13 00-0001 Drip Emitter Irrigation Devices (32 84 13)****32 84 13 00-0002 Drip Emitter Irrigation Valves (32 84 13 00-0001)**

32 84 13 00-0003	EA	1/2" Air/Vacuum Relief Valve For Drip Emitter Irrigation Systems (Rain Bird® ARV050)	44.48	10.96
32 84 13 00-0004	EA	1", Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LRV100)	67.44	10.96
32 84 13 00-0005	EA	3/4", Anti-Siphon, Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LRV075)	65.84	10.96
32 84 13 00-0006	EA	3/4", Latching Solenoid, Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LFV075TBOS)	87.42	10.96

**32 84 13 00-0007 Drip Emitter Irrigation Filters (32 84 13 00-0001)**

32 84 13 00-0008	EA	3/4" Inlet/Outlet, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® QKCHK-075)	133.00	10.96
32 84 13 00-0009	EA	1" Inlet/Outlet, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® QKCHK-100)	134.19	10.96
32 84 13 00-0010	EA	3/4" Inlet/Outlet, Inline Wye Filter For Drip Emitter Irrigation Systems (Rain Bird® RBY075MPTX)	54.51	10.96
32 84 13 00-0011	EA	1" Inlet/Outlet, Inline Wye Filter For Drip Emitter Irrigation Systems (Rain Bird® RBY100MPTX)	55.46	10.96
32 84 13 00-0012	EA	1" Inlet/Outlet, Pressure Regulating, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® PRB-QCHK-100)	144.05	10.96
32 84 13 00-0013	EA	3/4" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emitter Irrigation Systems (Rain Bird® PRF075RBY)	68.79	10.96
32 84 13 00-0014	EA	1" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emitter Irrigation Systems (Rain Bird® PRF100RBY)	76.23	10.96

**32 84 13 00-0015 Drip Emitter Irrigation Pressure Regulators (32 84 13 00-0001)**

32 84 13 00-0016	EA	3/4", 6 To 300 GPH, 30 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-L30X-075)	53.55	10.96
32 84 13 00-0017	EA	3/4", 120 To 600 GPH, 30 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M30X-075)	53.55	10.96
32 84 13 00-0018	EA	3/4", 120 To 600 GPH, 40 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M40X-075)	53.55	10.96
32 84 13 00-0019	EA	1", 120 To 900 GPH, 40 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M40X-100)	61.37	10.96

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**32 84 13 00-0020 Drip Emitter Irrigation Tubing (32 84 13 00-0001)**

Note: Includes surface installation and covering of tubing with existing pine straw, pine bark etc.

32 84 13 00-0021	LF		1/4", Landscape Dripline With Extruded Non-Pressure Compensating Drip Emitters (Rain Bird® LDQ0806100).....	3.99	1.53
32 84 13 00-0022	LF		1/2", Landscape Dripline With Extruded Pressure Compensating Drip Emitters (Rain Bird® XFD0612100).....	3.79	1.75
32 84 13 00-0023	LF		1/4", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emitter Irrigation Systems (Rain Bird® XQ100).....	3.23	1.53
			<i>For Shallow Trenching And Backfill By Hand, Add</i>	6.30	
32 84 13 00-0024	LF		1/2", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emitter Irrigation Systems (Rain Bird® XT700100).....	3.78	1.75
			<i>For Shallow Trenching And Backfill By Hand, Add</i>	6.82	

**32 84 13 00-0025 Drip Emitter Irrigation Fittings (32 84 13 00-0001)**

32 84 13 00-0026	EA		1/4", Barbed Coupling For Irrigation Tubing (Rain Bird® XBF1CONN).....	2.88	
32 84 13 00-0027	EA		1/4", Barbed Elbow For Irrigation Tubing (Rain Bird® XBF2EL).....	2.91	
32 84 13 00-0028	EA		1/4", Barbed Tee For Irrigation Tubing (Rain Bird® XBF3TEE).....	2.95	
32 84 13 00-0029	EA		1/4", Self Piercing Barbed Coupling For Irrigation Tubing (Rain Bird® SPB025).....	3.09	
32 84 13 00-0030	EA		1/4", Plug For Irrigation Tubing (Rain Bird® EMAGPX).....	2.86	
32 84 13 00-0031	EA		17mm, Barbed Coupling For Irrigation Tubing (Rain Bird® XFFCOUP).....	3.02	
			<i>For Compression Fitting, Add</i>	0.28	
32 84 13 00-0032	EA		17mm, Barbed Elbow For Irrigation Tubing (Rain Bird® XFF-ELBOW).....	3.10	
			<i>For Compression Fitting, Add</i>	0.36	
32 84 13 00-0033	EA		17mm, Barbed Tee For Irrigation Tubing (Rain Bird® XFF-TEE).....	3.15	
			<i>For Compression Fitting, Add</i>	0.41	
32 84 13 00-0034	EA		17mm, Barbed Male Adapter For Irrigation Tubing (Rain Bird® XFFMA050).....	3.17	
			<i>For Compression Fitting, Add</i>	0.43	
32 84 13 00-0035	EA		17mm, Barbed Cross For Irrigation Tubing (Rain Bird® XFDCROSS).....	3.34	
			<i>For Compression Fitting, Add</i>	0.60	
32 84 13 00-0036	EA		1/2", Plug For Irrigation Tubing (Rain Bird® MDCFCAP).....	3.53	
32 84 13 00-0037	EA		12 Gauge, Galvanized Stake For Irrigation Tubing (Rain Bird® TDS050BEND).....	1.74	

**32 84 13 00-0038 Drip Emitters (32 84 13 00-0001)**

32 84 13 00-0039	EA		0.5 To 2 GPH, Single Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® XB20PC).....	5.92	
32 84 13 00-0040	EA		5 To 24 GPH, Single Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® PC24).....	6.68	
32 84 13 00-0041	EA		0.5 To 2 GPH, Six Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® XB056).....	13.59	

**32 84 13 00-0042 Drip Emitter Irrigation Micro-Bubblers, Sprays And Misters (32 84 13 00-0001)**

32 84 13 00-0043	EA		Adjustable Stream Bubbler With Spike For Drip Emitter Irrigation Systems (Rain Bird® SXB360SPYK).....	23.10	9.86
32 84 13 00-0044	EA		Adjustable Micro Spray With Spike For Drip Emitter Irrigation Systems (Rain Bird® XS360TSPYK).....	23.15	9.86
32 84 13 00-0045	EA		12" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emitter Irrigation Systems (Rain Bird® SQADP12 With SQFUL).....	25.24	9.86
32 84 13 00-0046	EA		24" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emitter Irrigation Systems (Rain Bird® SQADP24 With SQFUL).....	25.46	9.86
32 84 13 00-0047	EA		4" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP-400X With SQFUL).....	36.56	12.93
			Note: Includes nozzle.		
32 84 13 00-0048	EA		6" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP-600X With SQFUL).....	39.26	12.93
			Note: Includes nozzle.		
32 84 13 00-0049	EA		12" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP1200X With SQFUL).....	39.05	12.93
			Note: Includes nozzle.		

**32 84 13 00-0050 Subsurface Drip Emitter Irrigation Tubing (Rain Bird® XFS) (32 84 13 00-0001)**

Note: Brown or purple tubing. Includes layout, trenching 4" to 6", installing tubing and backfilling trench.

32 84 13 00-0051	LF		0.536" ID, 0.634" OD, Subsurface Drip Emitter Irrigation Tubing (Rain Bird® XFS Copper Shield).....	4.34	1.91
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**32 84 23 Underground Sprinklers (32 84)**

**32 84 23 00-0001 Sprinkler Heads (32 84 23)**

**32 84 23 00-0002 Spray Sprinkler Heads (32 84 23 00-0001)**

Note: Includes plastic riser and case. Includes spray, variable arc or bubbler nozzle with partial or full circle coverage.

32 84 23 00-0003	EA		2" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1802P).....	32.38	12.11
			<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0004	EA		4" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1804P).....	30.84	12.11
			<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0005	EA		6" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1806P).....	36.52	12.11
			<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0006	EA		12" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1812P).....	41.28	12.11
			<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0007	EA		4" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1804-SAM).....	32.98	12.11
			<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0008	EA		6" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1806-SAM).....	40.98	12.11
			<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0009	EA		12" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1812-SAM).....	44.83	12.11
			<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0010	EA		4" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1804-PRS).....	35.26	12.11
			<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0011	EA		6" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1806-PRS).....	42.55	12.11
			<i>For Rotary Nozzle, Add</i>	3.25	

**32 Exterior Improvements****32 80 Irrigation****32 84 Planting Irrigation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0012	EA		12" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1812-PRS).....	46.15	12.11
			<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0013	EA		4" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1804-SAM-PRS).....	36.17	12.11
			<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0014	EA		6" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1806-SAM-PRS).....	47.36	12.11
			<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0015	EA		12" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1812-SAM-PRS).....	50.91	12.11
			<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0016	EA		Bubbler Head With Screen, 1/2" NPT (Rain Bird® 1300).....	27.86	12.11
			<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0017	EA		Pressure Compensating Bubbler With Screen, 1/2" NPT (Rain Bird® 1400).....	31.41	12.11
<b>32 84 23 00-0018</b>			<b>Gear-Drive, Rotary Sprinkler Heads</b> <small>(32 84 23 00-0001)</small>		
			Note: Maximum spacing is equivalent to maximum radius.		
<b>32 84 23 00-0019</b>			<b>1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Heads</b> <small>(32 84 23 00-0018)</small>		
			Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.		
32 84 23 00-0020	EA		4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 3504PC).....	43.61	12.11
			<i>For Non-Potable Cover, Add</i>	2.00	
32 84 23 00-0021	EA		4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 3504-PC-SAM).....	44.88	12.11
			<i>For Non-Potable Cover, Add</i>	2.00	
<b>32 84 23 00-0022</b>			<b>3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Heads</b> <small>(32 84 23 00-0018)</small>		
			Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.		
32 84 23 00-0023	EA		4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 5004-PLPC).....	40.58	12.11
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0024	EA		6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 5006-PLPC).....	54.25	12.11
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0025	EA		4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5004-PLPCS).....	43.11	12.11
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0026	EA		6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5006-PLPCS).....	56.27	12.11
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0027	EA		4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Pressure Regulator (Rain Bird® 5004+PCR).....	44.12	12.11
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0028	EA		4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5004+FCSR).....	46.15	12.11
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0029	EA		6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5006+PCSR).....	59.31	12.11
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0030	EA		12" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5012+PCSR).....	67.41	12.11
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0031	EA		Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5000S-PLPCS).....	45.89	12.11
			<i>For Non-Potable Cover, Add</i>	2.00	
32 84 23 00-0032	EA		Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5000S+PCSR).....	53.99	12.11
			<i>For Non-Potable Cover, Add</i>	2.00	
<b>32 84 23 00-0033</b>			<b>1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Heads</b> <small>(32 84 23 00-0018)</small>		
			Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.		
32 84 23 00-0034	EA		4" Pop-Up Height, 1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® F4PC).....	73.24	12.11
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
			<i>For Stainless Steel Riser And High Speed Rotor, Add</i>	37.27	
<b>32 84 23 00-0035</b>			<b>1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Heads</b> <small>(32 84 23 00-0018)</small>		
			Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.		
32 84 23 00-0036	EA		5" Pop-Up Height, 1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 8005).....	102.61	12.11
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
<b>32 84 23 00-0037</b>			<b>Impact-Drive Sprinkler Heads</b> <small>(32 84 23 00-0001)</small>		
			Note: Includes partial or full circle coverage. Maximum spacing is equivalent to maximum radius.		
32 84 23 00-0038	EA		1/2" Inlet, Up To 45' Spacing, Pop-Up, Impact-Drive Rotary Sprinkler Head (Rain Bird® 2045A-08).....	59.06	12.11
			<i>For Non-Potable Cover, Add</i>	2.00	
32 84 23 00-0039	EA		1/2" Inlet, Up To 45' Spacing, Riser Mounted, Plastic Body, Impact-Drive Sprinkler Head (Rain Bird® 2045-PJ08).....	46.91	12.11

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0040	EA		3/4" Inlet, Up To 51' Spacing, Riser Mounted, Brass/Bronze Body, Impact-Drive Sprinkler Head (Rain Bird® 35A-ADJ-TNTB).....	87.40	12.11
<b>32 84 23 00-0041</b>			<b>Electric Remote Control Irrigation Valves (32 84 23)</b>		
<b>32 84 23 00-0042</b>			<b>0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves (Rain Bird® DV Series) (32 84 23 00-0041)</b> Note: 15 to 150 PSI.		
32 84 23 00-0043	EA		3/4", 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 75DV) .....	136.48	50.48
32 84 23 00-0044	EA		1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100DV) .....	136.48	50.48
32 84 23 00-0045	EA		1", 0.2 To 40 GPM, Slip-On, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100DVSS).....	150.91	57.54
32 84 23 00-0046	EA		1", 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Angle Valve (Rain Bird® 100DVA).....	137.49	50.48
<b>32 84 23 00-0047</b>			<b>0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves With Flow Control (Rain Bird® DVF Series) (32 84 23 00-0041)</b> Note: 15 to 150 PSI.		
32 84 23 00-0048	EA		1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVF) .....	137.49	50.48
32 84 23 00-0049	EA		1", 0.2 To 40 GPM, Slip-On, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVFSS) .....	152.43	57.54
32 84 23 00-0050	EA		1", 0.2 To 40 GPM, Male x Barb, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVFMB).....	153.44	57.54
<b>32 84 23 00-0051</b>			<b>0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves (Rain Bird® PEB Series) (32 84 23 00-0041)</b> Note: 20 to 200 PSI.		
32 84 23 00-0052	EA		1", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100PEB) .....	218.51	50.48
32 84 23 00-0053	EA		1-1/2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 150PEB) .....	253.96	50.48
32 84 23 00-0054	EA		2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 200PEB) .....	299.53	50.48
<b>32 84 23 00-0055</b>			<b>5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator (Rain Bird® PEB PRS-D Series) (32 84 23 00-0041)</b> Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0056	EA		1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 100PEB PRS-D) .....	308.50	56.74
32 84 23 00-0057	EA		1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 150PEB PRS-D) .....	343.95	56.74
32 84 23 00-0058	EA		2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 200PEB PRS-D) .....	389.52	56.74
<b>32 84 23 00-0059</b>			<b>20 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator And Scrubber Valve (Rain Bird® PESB PRS-D Series) (32 84 23 00-0041)</b> Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0060	EA		1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 100PESB PRS-D) .....	359.14	56.74
32 84 23 00-0061	EA		1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 150PESB PRS-D) .....	394.58	56.74
32 84 23 00-0062	EA		2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 200PESB PRS-D) .....	440.16	56.74
<b>32 84 23 00-0063</b>			<b>0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves (Hunter IBV Series) (32 84 23 00-0041)</b> Note: 20 to 200 PSI operating range pressure.		
32 84 23 00-0064	EA		1", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-101G-B) .....	319.33	50.48
32 84 23 00-0065	EA		1-1/2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-151G-B) .....	482.29	50.48
32 84 23 00-0066	EA		2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-201G-B) .....	497.02	50.48
32 84 23 00-0067	EA		3", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-301G-B) .....	1,155.00	68.15
<b>32 84 23 00-0068</b>			<b>5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves (Rain Bird® EFB-CP Series) (32 84 23 00-0041)</b> Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0069	EA		1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 100EFB-CP) .....	297.51	56.74
32 84 23 00-0070	EA		1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 125EFB-CP) .....	345.97	56.74
32 84 23 00-0071	EA		1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 150EFB-CP) .....	398.58	56.74
32 84 23 00-0072	EA		2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 200EFB-CP) .....	467.86	56.74
<b>32 84 23 00-0073</b>			<b>0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves (Hunter IBV FS Series) (32 84 23 00-0041)</b> Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0074	EA		1", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-101G-B-FS).....	388.60	56.74
32 84 23 00-0075	EA		1-1/2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-151G-B-FS).....	581.95	56.74

**32 Exterior Improvements****32 80 Irrigation****32 84 Planting Irrigation**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
32 84 23 00-0076	EA	2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-201G-B-FS).....	598.52		56.74
32 84 23 00-0077	EA	3", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-301G-B-FS).....	1,230.12		56.74
<b>32 84 23 00-0078</b>		<b>0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV ACCU-SYNC Series) <small>(32 84 23 00-0041)</small></b> <small>Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.</small>			
32 84 23 00-0079	EA	1", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-101G-B ACCU-SYNC-ADJ).....	392.98		50.48
32 84 23 00-0080	EA	1-1/2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-151G-B ACCU-SYNC-ADJ).....	555.95		50.48
32 84 23 00-0081	EA	2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-201G-B ACCU-SYNC-ADJ).....	570.68		50.48
32 84 23 00-0082	EA	3", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-301G-B ACCU-SYNC-ADJ).....	1,228.66		68.15
<b>32 84 23 00-0083</b>		<b>5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves With Pressure Regulator (Rain Bird® EFB-CP PRS-D Series) <small>(32 84 23 00-0041)</small></b> <small>Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.</small>			
32 84 23 00-0084	EA	1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 100EFB-CP PRS-D).....	373.47		56.74
32 84 23 00-0085	EA	1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 125EFB-CP PRS-D).....	421.93		56.74
32 84 23 00-0086	EA	1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 150EFB-CP PRS-D).....	474.54		56.74
32 84 23 00-0087	EA	2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 200EFB-CP PRS-D).....	543.82		56.74
<b>32 84 23 00-0088</b>		<b>0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV FS ACCU-SYNC Series) <small>(32 84 23 00-0041)</small></b> <small>Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.</small>			
32 84 23 00-0089	EA	1", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-101G-B-FS ACCU-SYNC-ADJ).....	462.26		56.74
32 84 23 00-0090	EA	1-1/2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-151G-B-FS ACCU-SYNC-ADJ).....	655.60		56.74
32 84 23 00-0091	EA	2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-201G-B-FS ACCU-SYNC-ADJ).....	672.18		56.74
32 84 23 00-0092	EA	3", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-301G-B-FS ACCU-SYNC-ADJ).....	1,303.78		56.74
<b>32 84 23 00-0093</b>		<b>Other Electric Remote Control Valves/Accessories <small>(32 84 23 00-0041)</small></b>			
32 84 23 00-0094	EA	Pressure Regulator Module For Electric Remote Control Valves (Rain Bird® PRS-DIAL).....	116.34		
<b>32 84 23 00-0095</b>		<b>Irrigation Valve Boxes <small>(32 84 23)</small></b> <small>Note: Includes lid.</small>			
32 84 23 00-0096	EA	6" Round Irrigation Valve Box With Lid (Rain Bird® PVB-6RND).....	84.72		36.34
32 84 23 00-0097	EA	7" Round Irrigation Valve Box With Lid (Rain Bird® VB-7RND).....	96.68		36.34
32 84 23 00-0098	EA	10" Round Irrigation Valve Box With Lid (Rain Bird® VB-10RND).....	126.88		47.85
32 84 23 00-0099	EA	21.8" x 16.6" x 12" Depth, Rectangular Irrigation Valve Box With Lid (Rain Bird® VB-STD).....	215.50		69.86
32 84 23 00-0100	EA	21.8" x 16.6" x 12" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-STDH).....	219.67		69.86
32 84 23 00-0101	EA	26.3" x 19.8" x 12.1" Depth, Rectangular Irrigation Valve Box With Lid (Rain Bird® VB-JMB).....	249.58		69.86
32 84 23 00-0102	EA	26.3" x 19.8" x 12.1" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-JMBH).....	253.14		69.86
32 84 23 00-0103	EA	33.1" x 23.8" x 15" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-SPRH).....	424.07		69.86
32 84 23 00-0104	EA	40.3" x 27.1" x 18" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-MAXH).....	645.45		69.86
<b>32 84 23 00-0105</b>		<b>Irrigation Controllers <small>(32 84 23)</small></b>			
<b>32 84 23 00-0106</b>		<b>Irrigation Controllers <small>(32 84 23 00-0105)</small></b>			
<b>32 84 23 00-0107</b>		<b>Irrigation Controllers (Rain Bird®) <small>(32 84 23 00-0106)</small></b>			
<b>32 84 23 00-0108</b>		<b>Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP Series) <small>(32 84 23 00-0107)</small></b>			
<b>32 84 23 00-0109</b>		<b>Four Program, Modular Irrigation Controllers (Rain Bird® ESP-ME Series) <small>(32 84 23 00-0108)</small></b>			
<b>32 84 23 00-0110</b>		<b>Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-MEI Series) <small>(32 84 23 00-0109)</small></b>			
32 84 23 00-0111	EA	4-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	288.51		31.74
32 84 23 00-0112	EA	7-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	403.73		31.74
32 84 23 00-0113	EA	10-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	518.97		31.74
32 84 23 00-0114	EA	13-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	634.19		31.74
32 84 23 00-0115	EA	16-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	717.69		31.74
32 84 23 00-0116	EA	19-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	836.89		31.74
32 84 23 00-0117	EA	22-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	956.10		31.74



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 84 23 00-0118			<b>Four Program, Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-ME Series)</b> <small>(32 84 23 00-0109)</small>		
32 84 23 00-0119	EA		4-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	331.42	31.74
32 84 23 00-0120	EA		7-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	446.64	31.74
32 84 23 00-0121	EA		10-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	561.88	31.74
32 84 23 00-0122	EA		13-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	677.10	31.74
32 84 23 00-0123	EA		16-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	760.60	31.74
32 84 23 00-0124	EA		19-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	879.80	31.74
32 84 23 00-0125	EA		22-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	999.01	31.74
32 84 23 00-0126			<b>Four Program, Modular Irrigation Controllers (Rain Bird® ESP-SMTE Series)</b> <small>(32 84 23 00-0108)</small>		
32 84 23 00-0127			<b>Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-SMTEI Series)</b> <small>(32 84 23 00-0126)</small>		
32 84 23 00-0128	EA		4-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	437.57	31.74
32 84 23 00-0129	EA		7-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	552.79	31.74
32 84 23 00-0130	EA		10-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	668.03	31.74
32 84 23 00-0131	EA		13-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	783.25	31.74
32 84 23 00-0132	EA		16-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	866.75	31.74
32 84 23 00-0133	EA		19-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	985.95	31.74
32 84 23 00-0134	EA		22-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	1,105.15	31.74
32 84 23 00-0135			<b>Four Program, Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-SMTE Series)</b> <small>(32 84 23 00-0126)</small>		
32 84 23 00-0136	EA		4-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	469.72	31.74
32 84 23 00-0137	EA		7-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	584.94	31.74
32 84 23 00-0138	EA		10-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	700.18	31.74
32 84 23 00-0139	EA		13-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	815.40	31.74
32 84 23 00-0140	EA		16-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	898.90	31.74
32 84 23 00-0141	EA		19-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	1,018.11	31.74
32 84 23 00-0142	EA		22-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	1,137.31	31.74
32 84 23 00-0143			<b>Accessories For ESP-ME/MEI Irrigation Controllers</b> <small>(32 84 23 00-0108)</small>		
32 84 23 00-0144	EA		3-Station Expansion Module For ESP Series Irrigation Controllers (Rain Bird® ESP-SM3)..... Note: Use task for increasing capacity of existing ESP series irrigation controllers up to a maximum of 22-stations.	119.20	
32 84 23 00-0145	EA		6-Station Expansion Module For ESP Series Irrigation Controllers (Rain Bird® ESP-SM6)..... Note: Use task for increasing capacity of existing ESP series irrigation controllers up to a maximum of 22-stations.	229.44	
32 84 23 00-0146	EA		Smart Controller Upgrade Kit For ESP Series Irrigation Controllers (Rain Bird® ESPSMTEUPG) .....	293.91	
32 84 23 00-0147			<b>Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LX Series)</b> <small>(32 84 23 00-0107)</small>		
32 84 23 00-0148			<b>Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LX Basic Series)</b> <small>(32 84 23 00-0147)</small>		
32 84 23 00-0149	EA		12-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	667.93	31.74
32 84 23 00-0150	EA		16-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	812.17	31.74
32 84 23 00-0151	EA		20-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	958.50	31.74
32 84 23 00-0152	EA		24-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,102.75	31.74
32 84 23 00-0153	EA		28-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,249.08	31.74
32 84 23 00-0154	EA		32-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,393.34	31.74
32 84 23 00-0155	EA		36-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,539.67	31.74
32 84 23 00-0156	EA		40-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,683.92	31.74
32 84 23 00-0157	EA		44-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,830.26	31.74
32 84 23 00-0158	EA		48-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,974.51	31.74
32 84 23 00-0159			<b>Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LXME Series)</b> <small>(32 84 23 00-0147)</small>		
32 84 23 00-0160	EA		8-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	648.54	31.74
32 84 23 00-0161	EA		12-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	792.79	31.74
32 84 23 00-0162	EA		16-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	939.12	31.74
32 84 23 00-0163	EA		20-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,083.37	31.74
32 84 23 00-0164	EA		24-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,229.70	31.74
32 84 23 00-0165	EA		28-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,373.95	31.74
32 84 23 00-0166	EA		32-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,520.29	31.74
32 84 23 00-0167	EA		36-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,664.54	31.74
32 84 23 00-0168	EA		40-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,810.87	31.74
32 84 23 00-0169	EA		44-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,955.12	31.74
32 84 23 00-0170	EA		48-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	2,101.45	31.74
32 84 23 00-0171			<b>Accessories For ESP-LX/LXME Irrigation Controllers</b> <small>(32 84 23 00-0147)</small>		
32 84 23 00-0172	EA		Powder Coated Steel Wall Cabinet For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMM).....	459.14	

**32 Exterior Improvements****32 80 Irrigation****32 84 Planting Irrigation**
 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84	23 00-0173	EA	Powder Coated Steel Cabinet And Pedestal For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMPED + LXMM) .....	1,058.78	
			Note: Excludes concrete foundation.		
32 84	23 00-0174	EA	Stainless Steel Wall Cabinet For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMSS) .....	984.62	
32 84	23 00-0175	EA	Stainless Steel Cabinet And Pedestal For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMSPED + LXMMSS) .....	2,182.57	
			Note: Excludes concrete foundation.		
32 84	23 00-0176	EA	4-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM4).....	144.25	
			Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.		
32 84	23 00-0177	EA	8-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM8).....	290.59	
			Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.		
32 84	23 00-0178	EA	12-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM12).....	449.14	
			Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.		
32 84	23 00-0179	EA	Flow Smart Water Management Module For ESP-LXME Irrigation Controllers (Rain Bird® FSM-LXME).....	162.33	
32 84	23 00-0180		<b>Three Program, Battery-Operated, Buriable Irrigation Control Modules (Rain Bird® TBOS-II Series) (32 84 23 00-0107)</b>		
32 84	23 00-0181		<b>Three Program, Battery-Operated, Buriable Irrigation Control Modules (Rain Bird® TBOS-II Series) (32 84 23 00-0180)</b>		
32 84	23 00-0182	EA	1-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series) .....	313.74	31.74
32 84	23 00-0183	EA	2-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series) .....	381.88	31.74
32 84	23 00-0184	EA	4-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series) .....	482.82	31.74
32 84	23 00-0185		<b>Accessories For TBOS-II Series Irrigation Controllers (32 84 23 00-0180)</b>		
32 84	23 00-0186	EA	Field Transmitter For TBOS-II Series Irrigation Controllers (Rain Bird® TBOS2FTUS).....	364.19	
32 84	23 00-0187	EA	Potted Latching Solenoid For TBOS-II Series Irrigation Controllers (Rain Bird® TBOSPSOL) .....	83.38	23.80
32 84	23 00-0188		<b>Accessories For Irrigation Controllers (Rain Bird®) (32 84 23 00-0107)</b>		
32 84	23 00-0189	EA	Wired Rain Sensor For Irrigation Controllers (Rain Bird® RSDBEX) .....	129.56	23.80
32 84	23 00-0190	EA	Wireless Rain Sensor And Controller Interface For Irrigation Controllers (Rain Bird® WR2RC) .....	255.47	23.80
32 84	23 00-0191	EA	Wireless Rain/Freeze Sensor And Controller Interface For Irrigation Controllers (Rain Bird® WR2RFC) .....	267.96	23.80
32 84	23 00-0192	EA	Soil Moisture Sensor And Controller Interface For Irrigation Controllers (Rain Bird® SMRT-Y) .....	376.18	23.80
32 84	23 00-0193		<b>Two-Wire Decoder Systems (32 84 23 00-0105)</b>		
32 84	23 00-0194		<b>Two-Wire Decoder Systems (Rain Bird®) (32 84 23 00-0193)</b>		
32 84	23 00-0195		<b>Controllers For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series) (32 84 23 00-0194)</b>		
			Note: Includes water resistant cabinet.		
32 84	23 00-0196	EA	50-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series) .....	1,830.75	31.74
32 84	23 00-0197	EA	125-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series) .....	2,708.75	31.74
32 84	23 00-0198	EA	200-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series) .....	3,586.75	31.74
32 84	23 00-0199		<b>Field Decoders For Two-Wire Decoder Systems (Rain Bird®) (32 84 23 00-0194)</b>		
32 84	23 00-0200	EA	One Individual Valve Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD101TURF).....	231.43	31.74
32 84	23 00-0201	EA	One Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD102TURF) .....	293.10	31.74
32 84	23 00-0202	EA	Two Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD202TURF) .....	434.49	31.74
32 84	23 00-0203	EA	Up To Four Individual Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD401TURF).....	522.70	31.74
32 84	23 00-0204	EA	Up To Six Individual Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD601TURF) .....	851.82	31.74
32 84	23 00-0205		<b>Accessories For Two-Wire Decoder Systems (Rain Bird®) (32 84 23 00-0194)</b>		
32 84	23 00-0206	EA	50-Station Replacement Base Module For ESP-LXD Series Two Wire Decoder Based Controllers (Rain Bird® MOD50-LXD) .....	1,377.32	
32 84	23 00-0207	EA	75-Station Expansion Module For ESP-LXD Series Two Wire Decoder Based Controllers (Rain Bird® SPLXDSM75) .....	878.00	
32 84	23 00-0208	EA	Line Surge Protection For ESP-LXD Series Two-Wire Decoder Systems (Rain Bird® LSP1TURF) .....	175.86	27.77
32 84	23 00-0209	EA	Sensor Decoder Interface For ESP-LXD Series Two-Wire Decoder Systems (Rain Bird® SD210TURF).....	740.09	31.74
32 84	23 00-0210		<b>Calsense Controllers (32 84 23 00-0105)</b>		
32 84	23 00-0211		<b>Irrigation Controllers (32 84 23 00-0210)</b>		
32 84	23 00-0212	EA	6 Station ET-Driven Irrigation Controller (Calsense ET2000E-6) .....	2,274.43	79.34
32 84	23 00-0213	EA	8 Station ET-Driven Irrigation Controller (Calsense ET2000E-8) .....	2,933.90	89.26
32 84	23 00-0214	EA	12 Station ET-Driven Irrigation Controller (Calsense ET2000E-12) .....	4,026.36	99.18
32 84	23 00-0215	EA	16 Station ET-Driven Irrigation Controller (Calsense ET2000E-16) .....	4,429.83	99.18
32 84	23 00-0216	EA	24 Station ET-Driven Irrigation Controller (Calsense ET2000E-24) .....	5,236.91	109.10
32 84	23 00-0217	EA	32 Station ET-Driven Irrigation Controller (Calsense ET2000E-32) .....	6,319.37	109.10
32 84	23 00-0218	EA	40 Station ET-Driven Irrigation Controller (Calsense ET2000E-40) .....	7,155.98	119.02
32 84	23 00-0219	EA	48 Station ET-Driven Irrigation Controller (Calsense ET2000E-48) .....	8,012.11	119.02
32 84	23 00-0220	EA	Upgrade Existing Calsense Controller To ET2000E (Calsense ET2000E-UPGRADE) .....	2,315.84	39.68
32 84	23 00-0221	EA	Upgrade Existing Calsense Controller With 8 Additional Stations (Calsense STATION UPGRADE) .....	973.94	39.68
32 84	23 00-0222		<b>Irrigation Controller Accessories (32 84 23 00-0210)</b>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 84 23 00-0223	EA		Set Of 10 Keys For Calsense Controllers Or Enclosures (Calsense KEY-1).....	94.47	
32 84 23 00-0224	EA		Spare Lock For Enclosures (Calsense PAD).....	102.34	
32 84 23 00-0225	EA		Hardware And Software For Up To 4 Additional Light Circuits (Calsense L).....	122.18	9.92
32 84 23 00-0226	EA		Transformer For Irrigation Controllers (Calsense TR-1).....	177.75	39.68
32 84 23 00-0227	EA		AC Line Protection For Irrigation Controllers (Calsense TP-110).....	482.80	39.68
32 84 23 00-0228	EA		Transient Protection Board For Irrigation Controller Stations (Calsense TP-1).....	640.25	39.68
			<i>For Outdoor Gray Powder Coated Stainless Steel Enclosure, Add</i>	348.53	

**32 84 23 00-0229 Sensors For Irrigation Controllers (32 84 23 00-0210)**

**32 84 23 00-0230 Flow Sensors (32 84 23 00-0229)**

32 84 23 00-0231	EA		1-1/2" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 1.5).....	1,122.76	59.51
			<i>For Flow Meter Replacement Insert Only, Deduct</i>	-748.41	
32 84 23 00-0232	EA		2" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 2).....	1,162.12	59.51
			<i>For Flow Meter Replacement Insert Only, Deduct</i>	-787.77	
32 84 23 00-0233	EA		3" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 3).....	1,201.49	59.51
			<i>For Flow Meter Replacement Insert Only, Deduct</i>	-827.14	
32 84 23 00-0234	EA		1" Brass Tee Mounted Flow Meter (Calsense FM 1B).....	1,329.73	79.34
			<i>For Flow Meter Replacement Insert Only, Deduct</i>	-955.07	
32 84 23 00-0235	EA		1-1/4" Brass Tee Mounted Flow Meter (Calsense FM 1.25B).....	1,428.14	79.34
			<i>For Flow Meter Replacement Insert Only, Deduct</i>	-1,053.48	
32 84 23 00-0236	EA		1-1/2" Brass Tee Mounted Flow Meter (Calsense FM 1.5B).....	1,467.50	79.34
			<i>For Flow Meter Replacement Insert Only, Deduct</i>	-1,092.84	
32 84 23 00-0237	EA		2" Brass Tee Mounted Flow Meter (Calsense FM 2B).....	1,723.36	79.34
			<i>For Flow Meter Replacement Insert Only, Deduct</i>	-1,220.51	
32 84 23 00-0238	EA		2" Pipe Saddle Mounted Insertion Flow Meter (Calsense FMBX).....	1,338.94	39.68
			<i>Note: For 4" and larger pipe. Excludes pipe saddle.</i>		
			<i>For Flow Meter Replacement Insert Only, Deduct</i>	-836.10	

**32 84 23 00-0239 Moisture Sensors (32 84 23 00-0229)**

32 84 23 00-0240	EA		Soil Moisture Sensor (Calsense 1000-S).....	472.82	29.76
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**32 84 23 00-0241 Weather Sensors (32 84 23 00-0229)**

32 84 23 00-0242	EA		Wind Gage, Irrigation Weather Sensor (Calsense WG-1).....	1,290.37	79.34
32 84 23 00-0243	EA		Tipping Rain Bucket, Irrigation Weather Sensor (Calsense RB-1).....	1,488.42	158.70
32 84 23 00-0244	EA		ET Gage, Irrigation Weather Sensor (Calsense ETG).....	2,944.20	119.02

**32 84 23 00-0245 Weather Sensor Accessories (32 84 23 00-0229)**

32 84 23 00-0246	EA		Ceramic Cup For ET Gage Weather Sensor (Calsense ETG-C).....	866.59	
32 84 23 00-0247	EA		Removal And Replacement Of Circuit Board For ET Gage Weather Sensor (Calsense ETG-PCB).....	1,634.15	
32 84 23 00-0248	EA		Vandal Resistant Mounting Base For ET Gage Enclosure (Calsense ETGE-BASE).....	866.59	39.68
32 84 23 00-0249	EA		Vandal Resistant Stainless Steel Enclosure For ET Gage (Calsense ETGE).....	1,997.96	39.68

**32 84 23 00-0250 Antennas For Irrigation Controllers (32 84 23 00-0210)**

*Note: Excludes antenna cable.*

32 84 23 00-0251	EA		Local Radio Dome Antenna (Calsense LR-DOME).....	453.28	39.68
32 84 23 00-0252	EA		Local Radio Stick Antenna (Calsense LR-STICK).....	659.94	39.68
32 84 23 00-0253	EA		Local Radio Yagi Antenna (Calsense LR-YAGI).....	739.30	79.34
32 84 23 00-0254	EA		Local Radio And Calsense Radio, Remote Dome Antenna (Calsense LR-DOME-RR).....	453.28	39.68
32 84 23 00-0255	EA		Local Radio And Calsense Radio, Enhanced Remote Dome Antenna (Calsense LR-DOME-RRE).....	453.28	39.68
32 84 23 00-0256	EA		GPRS Stubby Antenna (Calsense GR-STUBBY).....	453.28	39.68
32 84 23 00-0257	EA		GPRS Stick Antenna (Calsense GR-STICK).....	659.94	39.68
32 84 23 00-0258	EA		Spread Spectrum Dome Antenna (Calsense SR-DOME).....	453.28	39.68
32 84 23 00-0259	EA		Spread Spectrum Stick Antenna (Calsense SR-STICK).....	659.94	39.68
32 84 23 00-0260	EA		Spread Spectrum Yagi Antenna (Calsense SR-YAGI).....	739.30	79.34
32 84 23 00-0261	EA		Spread Spectrum And Calsense Radio, Remote Dome Antenna (Calsense SR-DOME-RR).....	453.28	39.68
32 84 23 00-0262	EA		Spread Spectrum And Calsense Radio, Enhanced Remote Dome Antenna (Calsense SR-DOME-RRE).....	453.28	39.68
32 84 23 00-0263	EA		Spread Spectrum Stubby Antenna (Calsense SR-STUBBY).....	453.28	39.68
32 84 23 00-0264	EA		WiFi Stubby Antenna (Calsense WEN-STUBBY).....	453.28	39.68
32 84 23 00-0265	LF		Antenna Cable With End Connectors (Calsense LMR-400-DB).....	12.37	0.47
32 84 23 00-0266	EA		Surge Protection Device For Antenna (Calsense ANT-PROT).....	452.99	19.84
32 84 23 00-0267	EA		5' High, Non-Penetrating, Antenna Tripod Mount (Calsense ANT-TRIP5).....	738.66	39.68
32 84 23 00-0268	EA		3' Antenna Stand Off Mount For 3" Maximum Tower Leg (Calsense ANT-SOM).....	639.64	
32 84 23 00-0269	EA		Local Radio Frequency Filter (Calsense LR-FILTER).....	905.34	
32 84 23 00-0270	EA		Spread Spectrum Frequency Filter (Calsense SR-FILTER).....	669.16	

**32 84 23 00-0271 Pedestals And Enclosures For Irrigation Controllers (32 84 23 00-0210)**

32 84 23 00-0272	EA		15 Amperes, Circuit Breaker With Enclosure For Irrigation Controllers (Calsense SSE-BREAKER).....	414.24	59.51
32 84 23 00-0273	EA		Standard Gray Powder Coated Stainless Steel Controller Enclosure (Calsense C-BOX).....	1,003.51	99.18
32 84 23 00-0274	EA		Indoor Wall Mount, Stainless Steel Back Panel (Calsense SSBP).....	1,112.60	39.68
			<i>Note: Includes GFI and receptacle.</i>		
32 84 23 00-0275	EA		Standard Gray Powder Coated Stainless Steel Pedestal (Calsense PD-1).....	1,328.95	29.76
			<i>Note: Includes factory installed transient protection board and AC line protection.</i>		
32 84 23 00-0276	EA		Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE).....	4,164.38	29.76
			<i>Note: Includes factory installed transient protection board and AC line protection.</i>		
32 84 23 00-0277	EA		Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-R).....	4,704.27	29.76
			<i>Note: Includes factory installed transient protection board, AC line protection and dome antenna.</i>		
32 84 23 00-0278	EA		Double-Wide Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-D).....	6,825.84	59.51
			<i>Note: Includes factory installed transient protection boards and AC line protection. Pre-wired for two controllers.</i>		

**32 Exterior Improvements****32 80 Irrigation****32 84 Planting Irrigation**
 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

 MINOR  
 CSI UOM DESCRIPTION

32 84 23 00-0279	EA	Double-Wide Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-D-R) .....7,154.60	59.51
		Note: Includes factory installed transient protection boards, AC line protection and dome antenna. Pre-wired for two controllers.	
32 84 23 00-0280	EA	Bolt Mounting Template For Heavy-Duty Stainless Steel Enclosures (Calsense SSE-CAM) .....234.54	
32 84 23 00-0281	EA	Stainless Steel Fully Enclosed Riser For Calsense SSE Enclosures (Calsense SSE-PED).....758.19	
<b>32 84 23 00-0282</b>		<b>Central Computer For Irrigation Control Systems</b> (32 84 23 00-0210)	
32 84 23 00-0283	EA	Central Computer For Irrigation Control Systems (Calsense COMP-2).....5,250.13	
		Note: Includes a minimum of 133 MHz Pentium, 32 Meg Ram, 1.2 GB hard drive, 14.4 modem and a printer. Excludes Command Center Water Management software.	
32 84 23 00-0284	EA	Command Center Water Management Software For Central Computer (Calsense COMM-1).....9,293.72	
32 84 23 00-0285	EA	Up To 5 Simultaneous Users Capacity, Calsense Advantage Client/Server Database Add-On (Calsense CS-5).....1,784.15	
		Note: Package price for up to 5 users. Includes remote communication through internet connection.	
32 84 23 00-0286	EA	>5 To 10 Simultaneous Users Capacity, Calsense Advantage Client/Server Database Add-On (Calsense CS-10) .....3,512.74	
		Note: Package price for 6 to 10 users. Includes remote communication through internet connection.	
32 84 23 00-0287	EA	Data Logger With Phone Modem For Irrigation Control Systems (Calsense DL-2) .....5,655.82	
32 84 23 00-0288	EA	GPRS Radio For Use At Central Computer (Calsense DTR-G).....3,381.59	
<b>32 84 23 00-0289</b>		<b>Data Access Service</b> (32 84 23 00-0210)	
32 84 23 00-0290	EA	1 Month, Data Access Plan For Up To 2 Controllers (Calsense COMM-1MN) .....28.63	
		Note: For communication between GPRS unit and up to 2 controllers.	
32 84 23 00-0291	EA	1 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-1YR) .....313.11	
		Note: For communication between GPRS unit and up to 2 controllers.	
32 84 23 00-0292	EA	5 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-5YR) .....1,341.90	
		Note: For communication between GPRS unit and up to 2 controllers.	
32 84 23 00-0293	EA	1 Month, Data Access Plan For Up To 2 Controllers (Calsense COMM-1MN-M) .....116.30	
		Note: For communication between GPRS unit and multiple controllers.	
32 84 23 00-0294	EA	1 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-1YR-M) .....1,252.44	
		Note: For communication between GPRS unit and multiple controllers.	
32 84 23 00-0295	EA	5 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-5YR-M) .....5,367.60	
		Note: For communication between GPRS unit and multiple controllers.	
<b>32 84 23 00-0296</b>		<b>Communication Options For Irrigation Controllers</b> (32 84 23 00-0210)	
32 84 23 00-0297	EA	FCC License Fee (Calsense).....191.76	
32 84 23 00-0298	EA	P.C.I.A. And/Or A.P.C.O. Fee (Calsense).....370.68	
		Note: Per frequency or frequency pair.	
32 84 23 00-0299	EA	Hardware Communication Option For Irrigation Controllers (Calsense M) .....1,037.74	
		Note: Allows multiple controllers to be chained together via a communications cable and share one phone line.	
32 84 23 00-0300	EA	Phone Line Communication Option For Irrigation Controllers (Calsense R) .....1,091.41	
32 84 23 00-0301	EA	Ethernet Communication Option For Irrigation Controllers (Calsense EN) .....1,091.41	
32 84 23 00-0302	EA	WiFi Communication Option For Irrigation Controllers (Calsense WEN) .....2,236.50	
32 84 23 00-0303	EA	Local Radio Communication Option For Irrigation Controllers (Calsense LR) .....2,844.83	
32 84 23 00-0304	EA	Spread Spectrum Radio Communication Option For Irrigation Controllers (Calsense SR).....2,844.83	
32 84 23 00-0305	EA	GPRS Radio Modem Communication Option For Irrigation Controllers (Calsense GR) .....2,844.83	
32 84 23 00-0306	EA	Fiber Optic Modem Communication Option For Irrigation Controllers (Calsense FOM) .....9,124.92	
32 84 23 00-0307	EA	Communication Hub For Irrigation Controllers (Calsense HUB) .....3,515.20	
		Note: Accepts up to two communication options. Excludes communication options.	
<b>32 84 23 00-0308</b>		<b>Retrofit Options For Irrigation Controllers</b> (32 84 23 00-0210)	
<b>32 84 23 00-0309</b>		<b>Weather Retrofits For Irrigation Controllers</b> (32 84 23 00-0308)	
32 84 23 00-0310	EA	Add One Flow Sensor Interface To An Existing Calsense Controller (Calsense F-RETRO) .....1,394.40	
32 84 23 00-0311	EA	Add One ET Gage Interface To An Existing Calsense Controller (Calsense G-RETRO) .....1,394.40	
32 84 23 00-0312	EA	Add One Tipping Rain Bucket Interface To An Existing Calsense Controller (Calsense RB-RETRO) .....1,394.40	
32 84 23 00-0313	EA	Add One Wind Gage Interface To An Existing Calsense Controller (Calsense WG-RETRO) .....1,394.40	
<b>32 84 23 00-0314</b>		<b>Phone Communication Retrofits For Irrigation Controllers</b> (32 84 23 00-0308)	
32 84 23 00-0315	EA	Add The Ability To Chain To Another Calsense Controller With The Phone Line Communication Option And Share One Phone Line (Calsense M-RETRO) .....1,465.97	
32 84 23 00-0316	EA	Add The Phone Line Communication Option To An Existing Calsense Controller (Calsense R-RETRO).....1,734.35	
32 84 23 00-0317	EA	Add The Phone Line Communication Option And The Ability To Chain To Another Calsense Controller And Share One Phone Line (Calsense MLR-RETRO) .....2,781.03	
<b>32 84 23 00-0318</b>		<b>Local Radio Communication Retrofits For Irrigation Controllers</b> (32 84 23 00-0308)	
32 84 23 00-0319	EA	Add The Ability To Chain To Another Calsense Controller With The Local Radio Communication Option And Share One Local Radio (Calsense ML-RETRO) .....1,644.89	
32 84 23 00-0320	EA	Add The Local Radio Communication Option To An Existing Calsense Controller (Calsense LR-RETRO) .....3,469.87	
32 84 23 00-0321	EA	Add The Local Radio Communication Option And The Ability To Chain To Another Calsense Controller And Share One Local Radio (Calsense MLR-RETRO) .....4,507.61	
<b>32 84 23 00-0322</b>		<b>Spread Spectrum Radio Communication Retrofits For Irrigation Controllers</b> (32 84 23 00-0308)	
32 84 23 00-0323	EA	Add The Ability To Chain To Another Calsense Controller With The Spread Spectrum Radio Communication Option And Share One Spread Spectrum Radio (Calsense MS-Retro) .....1,644.89	
32 84 23 00-0324	EA	Add The Spread Spectrum Radio Communication Option To An Existing Calsense Controller (Calsense SR-RETRO).....3,469.87	
32 84 23 00-0325	EA	Add The Spread Spectrum Radio Communication Option And The Ability To Chain To Another Calsense Controller And Share One Spread Spectrum Radio (Calsense MSR-RETRO) .....4,507.61	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
32 84 23 00-0326			<b>Ethernet Communication Retrofits For Irrigation Controllers</b> (32 84 23 00-0308)		
32 84 23 00-0327	EA		Add The Ability To Chain To Another Calsense Controller With The Ethernet Communication Option And Share One Ethernet Device (Calsense ME-RETRO).....	1,644.89	
32 84 23 00-0328	EA		Add The Ethernet Communication Option To An Existing Calsense Controller (Calsense EN-RETRO).....	1,734.35	
32 84 23 00-0329	EA		Add The Ethernet Communication Option And The Ability To Chain To Another Calsense Controller And Share One Ethernet Device (Calsense MEN-RETRO).....	2,781.03	
32 84 23 00-0330			<b>GPRS Radio Modem Communication Retrofits For Irrigation Controllers</b> (32 84 23 00-0308)		
32 84 23 00-0331	EA		Add The Ability To Chain To Another Calsense Controller With The GPRS Communication Option And Share One GPRS Modem (Calsense MG-RETRO).....	1,644.89	
32 84 23 00-0332	EA		Add The GPRS Communication Option To An Existing Calsense Controller (Calsense GR-RETRO).....	3,469.87	
32 84 23 00-0333	EA		Add The GPRS Communication Option And The Ability To Chain To Another Calsense Controller And Share One GPRS Modem (Calsense MGR-RETRO).....	4,507.61	
32 84 23 00-0334			<b>Radio Remote Units For Irrigation Controllers</b> (32 84 23 00-0210)		
32 84 23 00-0335	EA		Enhanced Radio Remote Hand-Held Transmitter With Carry Case (Calsense RRe-TRAN).....	1,653.84	
32 84 23 00-0336	EA		Calsense Integrated Radio Remote Receiver Board (Calsense RR/RRe)..... Note: Includes polyvinyl chloride (PVC) stick antenna. Excludes antenna cable.	354.26	
32 84 23 00-0337	EA		Wall Mount Charger For Hand-Held Transmitter (Calsense RRTRAN-CHG).....	152.08	
32 84 23 00-0338	EA		Removal And Replacement Of Battery For Hand-Held Transmitter (Calsense RRTRAN-BAT).....	270.33	
32 84 23 00-0339	EA		Polyvinyl Chloride (PVC) Stick Antenna For Radio Remote Receiver Board (Calsense RR-ANT)..... Note: Excludes antenna cable.	171.92	9.92
32 84 23 00-0340	EA		Whip Antenna For Radio Remote Receiver Board (Calsense RRe-WHIP)..... Note: Excludes antenna cable.	332.95	9.92
32 84 23 00-0341	EA		Dome Antenna For Radio Remote Receiver Board (Calsense RR-Dome/RRe-Dome)..... Note: Excludes antenna cable.	359.79	9.92
32 84 23 00-0342			<b>Satellite Irrigation Controllers (Rain Bird® ESP-SAT)</b> (32 84 23 00-0105)		
Note: Satellite controllers compatible with Maxi-Con Central Control. Includes link communication with SEMET at the controller and stainless steel cabinet. Excludes concrete pad.					
32 84 23 00-0343	EA		12 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP12SATLS).....	3,883.77	178.53
32 84 23 00-0344	EA		24 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP24SATLS).....	4,095.79	188.45
32 84 23 00-0345	EA		40 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP40SATLS).....	5,687.33	198.37
32 84 23 00-0346			<b>Irrigation Valves</b> (32 84 23)		
32 84 23 00-0347			<b>Reduced Pressure Zone Valves With QT Shut-Offs</b> (32 84 23 00-0346)		
Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).					
32 84 23 00-0348	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series).....	725.57	41.66
32 84 23 00-0349	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series).....	861.05	50.87
32 84 23 00-0350	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series).....	1,299.24	59.20
32 84 23 00-0351	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series).....	1,374.21	67.97
32 84 23 00-0352	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series).....	1,649.64	87.70
32 84 23 00-0353			<b>Brass Quick-Coupling Irrigation Valves</b> (32 84 23 00-0346)		
32 84 23 00-0354	EA		3/4", 1-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 3RC).....	145.58	36.34
For Valve Key, Add				37.22	
32 84 23 00-0355	EA		3/4", 2-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 33DRC).....	149.88	36.34
For Locking Cover, Add				25.00	
For Valve Key, Add				37.22	
32 84 23 00-0356	EA		1", 1-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 44RC).....	197.23	36.34
For Valve Key, Add				95.20	
32 84 23 00-0357	EA		1", 2-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 44LRC).....	214.45	36.34
For Valve Key, Add				95.20	
32 84 23 00-0358	EA		1", 1-Piece Brass Body, Non-Potable (Purple) Quick-Coupling Irrigation Valve (Rain Bird® 5NP).....	206.34	36.34
32 84 23 00-0359	EA		1", 2-Piece Brass Body, Non-Potable (Purple) Quick-Coupling Irrigation Valve (Rain Bird® 44NP).....	214.45	36.34
32 84 23 00-0360			<b>Anti-Siphon Pressure Type Vacuum Breaker</b> (32 84 23 00-0346)		
Note: Pressure: 15 to 150 PSI, temperature: 33 to 140 degrees Fahrenheit.					
32 84 23 00-0361	EA		3/4" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT).....	264.80	30.69
32 84 23 00-0362	EA		1" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT).....	379.17	35.08
32 84 23 00-0363	EA		1-1/4" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT).....	687.31	40.56
32 84 23 00-0364	EA		1-1/2" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT).....	837.09	44.94
32 84 23 00-0365	EA		2" Anti-Siphon Pressure Type Vacuum Breaker.....	844.52	54.82
32 84 23 00-0366			<b>Irrigation Piping</b> (32 84 23)		
32 84 23 00-0367			<b>Irrigation Piping With Fittings, On Grade With Pipe Stabilizers</b> (32 84 23 00-0366)		
Note: Install stabilizers every 20', at change of direction and at sprinkler heads less than 12" tall.					
32 84 23 00-0368			<b>Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, On Grade With Pipe Stabilizers</b> (32 84 23 00-0367)		
32 84 23 00-0369	LF		1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers.....	2.86	1.01
For >1,000, Deduct				-0.14	
32 84 23 00-0370	LF		3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers.....	3.50	1.26
For >1,000, Deduct				-0.18	
32 84 23 00-0371	LF		1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers.....	4.21	1.51
For >1,000, Deduct				-0.21	

**32 Exterior Improvements****32 80 Irrigation****32 84 Planting Irrigation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0372	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers .....	5.56	1.91
			<i>For &gt;1,000, Deduct</i>	-0.28	
32 84 23 00-0373	LF		2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers .....	6.96	2.40
			<i>For &gt;1,000, Deduct</i>	-0.35	
32 84 23 00-0374	LF		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers .....	8.80	2.80
			<i>For &gt;1,000, Deduct</i>	-0.44	
32 84 23 00-0375	LF		3" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers .....	12.09	4.04
			<i>For &gt;1,000, Deduct</i>	-0.60	
32 84 23 00-0376	LF		4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers .....	15.73	5.05
			<i>For &gt;1,000, Deduct</i>	-0.79	
32 84 23 00-0377	LF		6" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers .....	22.17	6.31
			<i>For &gt;1,000, Deduct</i>	-1.11	
<b>32 84 23 00-0378</b>			<b>Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, On Grade With Pipe Stabilizers <small>(32 84 23 00-0367)</small></b>		
32 84 23 00-0379	LF		3/4" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers .....	3.32	1.26
			<i>For &gt;1,000, Deduct</i>	-0.17	
32 84 23 00-0380	LF		1" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers .....	3.92	1.51
			<i>For &gt;1,000, Deduct</i>	-0.20	
32 84 23 00-0381	LF		1-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers .....	5.35	1.91
			<i>For &gt;1,000, Deduct</i>	-0.27	
32 84 23 00-0382	LF		2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers .....	6.78	2.40
			<i>For &gt;1,000, Deduct</i>	-0.34	
32 84 23 00-0383	LF		2-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers .....	8.53	2.80
			<i>For &gt;1,000, Deduct</i>	-0.43	
32 84 23 00-0384	LF		3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers .....	11.99	4.04
			<i>For &gt;1,000, Deduct</i>	-0.60	
32 84 23 00-0385	LF		4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers .....	16.28	5.05
			<i>For &gt;1,000, Deduct</i>	-0.81	
32 84 23 00-0386	LF		6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers .....	25.65	6.31
			<i>For &gt;1,000, Deduct</i>	-1.28	
<b>32 84 23 00-0387</b>			<b>Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, On Grade With Pipe Stabilizers <small>(32 84 23 00-0367)</small></b>		
32 84 23 00-0388	LF		3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers .....	3.47	1.26
			<i>For &gt;1,000, Deduct</i>	-0.17	
32 84 23 00-0389	LF		1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers .....	4.12	1.51
			<i>For &gt;1,000, Deduct</i>	-0.21	
32 84 23 00-0390	LF		1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers .....	5.74	1.91
			<i>For &gt;1,000, Deduct</i>	-0.29	
32 84 23 00-0391	LF		2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers .....	7.43	2.40
			<i>For &gt;1,000, Deduct</i>	-0.37	
32 84 23 00-0392	LF		2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers .....	9.55	2.80
			<i>For &gt;1,000, Deduct</i>	-0.48	
32 84 23 00-0393	LF		3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers .....	12.09	4.04
			<i>For &gt;1,000, Deduct</i>	-0.60	
32 84 23 00-0394	LF		4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers .....	15.73	5.05
			<i>For &gt;1,000, Deduct</i>	-0.79	
32 84 23 00-0395	LF		6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers .....	22.51	6.31
			<i>For &gt;1,000, Deduct</i>	-1.13	
<b>32 84 23 00-0396</b>			<b>Irrigation Piping With Fittings, Trenching, Cover, Backfilled And Compacted <small>(32 84 23 00-0366)</small></b>		
			Note: Install thrust blocks per Caltrans details for 3" piping and larger, upstream of remote control valve.		
<b>32 84 23 00-0397</b>			<b>Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 12" Of Cover, Backfilled And Compacted <small>(32 84 23 00-0396)</small></b>		
32 84 23 00-0398	LF		3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted .....	5.50	1.26
			<i>For &gt;1,000, Deduct</i>	-0.28	
32 84 23 00-0399	LF		1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted .....	6.21	1.51
			<i>For &gt;1,000, Deduct</i>	-0.31	
32 84 23 00-0400	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted .....	7.57	1.91
			<i>For &gt;1,000, Deduct</i>	-0.38	
32 84 23 00-0401	LF		2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted .....	8.95	2.40
			<i>For &gt;1,000, Deduct</i>	-0.45	
32 84 23 00-0402	LF		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted .....	10.79	2.80
			<i>For &gt;1,000, Deduct</i>	-0.54	
32 84 23 00-0403	LF		3" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted .....	14.10	4.04
			<i>For &gt;1,000, Deduct</i>	-0.71	
32 84 23 00-0404	LF		4" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted .....	17.73	5.05
			<i>For &gt;1,000, Deduct</i>	-0.89	
32 84 23 00-0405	LF		6" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted .....	24.18	6.31
			<i>For &gt;1,000, Deduct</i>	-1.21	
<b>32 84 23 00-0406</b>			<b>Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 18" Of Cover, Backfilled And Compacted <small>(32 84 23 00-0396)</small></b>		
32 84 23 00-0407	LF		3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted .....	5.74	1.26
			<i>For &gt;1,000, Deduct</i>	-0.29	
32 84 23 00-0408	LF		1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted .....	6.45	1.51
			<i>For &gt;1,000, Deduct</i>	-0.32	
32 84 23 00-0409	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted .....	7.81	1.91
			<i>For &gt;1,000, Deduct</i>	-0.39	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0410 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	9.19 -0.46	2.40
32 84 23 00-0411 LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	11.03 -0.55	2.80
32 84 23 00-0412 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	14.34 -0.72	4.04
32 84 23 00-0413 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	17.97 -0.90	5.05
32 84 23 00-0414 LF 6" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	24.42 -1.22	6.31
<b>32 84 23 00-0415 Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 24" Of Cover, Backfilled And Compacted <small>(32 84 23 00-0396)</small></b>		
32 84 23 00-0416 LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	5.97 -0.30	1.26
32 84 23 00-0417 LF 1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	6.69 -0.33	1.51
32 84 23 00-0418 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	8.05 -0.40	1.91
32 84 23 00-0419 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	9.43 -0.47	2.40
32 84 23 00-0420 LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	11.27 -0.56	2.80
32 84 23 00-0421 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	14.58 -0.73	4.04
32 84 23 00-0422 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	18.20 -0.91	5.05
32 84 23 00-0423 LF 6" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	24.65 -1.23	6.31
<b>32 84 23 00-0424 Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 12" Of Cover, Backfilled And Compacted <small>(32 84 23 00-0396)</small></b>		
32 84 23 00-0425 LF 3/4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	5.41 -0.27	1.26
32 84 23 00-0426 LF 1" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	6.06 -0.30	1.51
32 84 23 00-0427 LF 1-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	7.58 -0.38	1.91
32 84 23 00-0428 LF 2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	9.26 -0.46	2.40
32 84 23 00-0429 LF 2-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	11.30 -0.57	2.80
32 84 23 00-0430 LF 3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	14.00 -0.70	4.04
32 84 23 00-0431 LF 4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	18.28 -0.91	5.05
32 84 23 00-0432 LF 6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	27.65 -1.38	6.31
<b>32 84 23 00-0433 Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 18" Of Cover, Backfilled And Compacted <small>(32 84 23 00-0396)</small></b>		
32 84 23 00-0434 LF 3/4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	5.65 -0.28	1.26
32 84 23 00-0435 LF 1" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	6.30 -0.32	1.51
32 84 23 00-0436 LF 1-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	7.82 -0.39	1.91
32 84 23 00-0437 LF 2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	9.50 -0.48	2.40
32 84 23 00-0438 LF 2-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	11.54 -0.58	2.80
32 84 23 00-0439 LF 3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	14.24 -0.71	4.04
32 84 23 00-0440 LF 4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	18.52 -0.93	5.05
32 84 23 00-0441 LF 6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	27.89 -1.39	6.31
<b>32 84 23 00-0442 Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 24" Of Cover, Backfilled And Compacted <small>(32 84 23 00-0396)</small></b>		
32 84 23 00-0443 LF 3/4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	5.88 -0.29	1.26
32 84 23 00-0444 LF 1" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	6.54 -0.33	1.51
32 84 23 00-0445 LF 1-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	8.06 -0.40	1.91

**32 Exterior Improvements****32 80 Irrigation****32 84 Planting Irrigation**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

32 84 23 00-0446	LF	2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	9.74	2.40
		<i>For &gt;1,000, Deduct</i>	-0.49	
32 84 23 00-0447	LF	2-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	11.78	2.80
		<i>For &gt;1,000, Deduct</i>	-0.59	
32 84 23 00-0448	LF	3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted .....	14.48	4.04
		<i>For &gt;1,000, Deduct</i>	-0.72	
32 84 23 00-0449	LF	4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted .....	18.75	5.05
		<i>For &gt;1,000, Deduct</i>	-0.94	
32 84 23 00-0450	LF	6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted .....	28.12	6.31
		<i>For &gt;1,000, Deduct</i>	-1.41	
<b>32 84 23 00-0451</b>		<b>Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 12" Of Cover, Backfilled And Compacted</b> <small>(32 84 23 00-0396)</small>		
32 84 23 00-0452	LF	3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted.....	5.47	1.26
		<i>For &gt;1,000, Deduct</i>	-0.27	
32 84 23 00-0453	LF	1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted.....	6.12	1.51
		<i>For &gt;1,000, Deduct</i>	-0.31	
32 84 23 00-0454	LF	1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted.....	7.74	1.91
		<i>For &gt;1,000, Deduct</i>	-0.39	
32 84 23 00-0455	LF	2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted.....	9.42	2.40
		<i>For &gt;1,000, Deduct</i>	-0.47	
32 84 23 00-0456	LF	2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted.....	11.55	2.80
		<i>For &gt;1,000, Deduct</i>	-0.58	
32 84 23 00-0457	LF	3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted .....	14.10	4.04
		<i>For &gt;1,000, Deduct</i>	-0.71	
32 84 23 00-0458	LF	4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted .....	17.73	5.05
		<i>For &gt;1,000, Deduct</i>	-0.89	
32 84 23 00-0459	LF	6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted .....	24.52	6.31
		<i>For &gt;1,000, Deduct</i>	-1.23	
<b>32 84 23 00-0460</b>		<b>Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 18" Of Cover, Backfilled And Compacted</b> <small>(32 84 23 00-0396)</small>		
32 84 23 00-0461	LF	3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted.....	5.71	1.26
		<i>For &gt;1,000, Deduct</i>	-0.29	
32 84 23 00-0462	LF	1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted.....	6.36	1.51
		<i>For &gt;1,000, Deduct</i>	-0.32	
32 84 23 00-0463	LF	1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted.....	7.98	1.91
		<i>For &gt;1,000, Deduct</i>	-0.40	
32 84 23 00-0464	LF	2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted.....	9.66	2.40
		<i>For &gt;1,000, Deduct</i>	-0.48	
32 84 23 00-0465	LF	2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted.....	11.79	2.80
		<i>For &gt;1,000, Deduct</i>	-0.59	
32 84 23 00-0466	LF	3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted .....	14.34	4.04
		<i>For &gt;1,000, Deduct</i>	-0.72	
32 84 23 00-0467	LF	4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted .....	17.97	5.05
		<i>For &gt;1,000, Deduct</i>	-0.90	
32 84 23 00-0468	LF	6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted .....	24.76	6.31
		<i>For &gt;1,000, Deduct</i>	-1.24	
<b>32 84 23 00-0469</b>		<b>Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 24" Of Cover, Backfilled And Compacted</b> <small>(32 84 23 00-0396)</small>		
32 84 23 00-0470	LF	3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	5.94	1.26
		<i>For &gt;1,000, Deduct</i>	-0.30	
32 84 23 00-0471	LF	1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	6.60	1.51
		<i>For &gt;1,000, Deduct</i>	-0.33	
32 84 23 00-0472	LF	1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	8.22	1.91
		<i>For &gt;1,000, Deduct</i>	-0.41	
32 84 23 00-0473	LF	2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	9.90	2.40
		<i>For &gt;1,000, Deduct</i>	-0.50	
32 84 23 00-0474	LF	2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	12.03	2.80
		<i>For &gt;1,000, Deduct</i>	-0.60	
32 84 23 00-0475	LF	3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted .....	14.58	4.04
		<i>For &gt;1,000, Deduct</i>	-0.73	
32 84 23 00-0476	LF	4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted .....	18.20	5.05
		<i>For &gt;1,000, Deduct</i>	-0.91	
32 84 23 00-0477	LF	6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted .....	24.99	6.31
		<i>For &gt;1,000, Deduct</i>	-1.25	
<b>32 84 23 00-0478</b>		<b>Irrigation Riser Piping With Fittings</b> <small>(32 84 23 00-0366)</small>		
32 84 23 00-0479	EA	1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 6" Exposed, Type IV..... Note: Includes #4 steel reinforcing bar, stainless steel hose clamp	16.45	3.03



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 84 23 00-0480	EA		3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 6" Exposed, Type IV..... Note: Includes #4 steel reinforcing bar, stainless steel hose clamp	17.73	3.79
32 84 23 00-0481	EA		1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 12" Exposed, Type IV..... Note: Includes #4 steel reinforcing bar, stainless steel hose clamp	17.63	3.54
32 84 23 00-0482	EA		3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 12" Exposed, Type IV..... Note: Includes #4 steel reinforcing bar, stainless steel hose clamp	19.22	4.41
32 84 23 00-0483	EA		1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 24" Exposed, Type I..... Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	35.43	5.30
32 84 23 00-0484	EA		3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 24" Exposed, Type I..... Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	37.66	6.62
32 84 23 00-0485	EA		1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 36" Exposed, Type I..... Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	41.60	6.81
32 84 23 00-0486	EA		3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 36" Exposed, Type I..... Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	44.48	8.52
32 84 23 00-0487	EA		1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 48" Exposed, Type I..... Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	47.79	8.32
32 84 23 00-0488	EA		3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 48" Exposed, Type I..... Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	51.29	10.41

**32 84 23 00-0489**

**Irrigation Crossover Piping With Fittings (32 84 23 00-0366)**

Note: Install per Caltrans details. Includes thrust blocks, HDPE sleeve pipe and fittings, 3" pvc irrigation piping and 1" electrical pvc conduit. Excludes #5 concrete irrigation pull boxes on ends, electrical control wiring. See CSI section 32 84 23 00-0095 for #5 concrete pull box, 32 84 23 00-0533 for irrigation wiring.

**32 84 23 00-0490**

**Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 24" Open Trench (32 84 23 00-0489)**

32 84 23 00-0491	LF		6" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation ..... For >1,000, Deduct	30.76	-1.54
32 84 23 00-0492	LF		8" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation ..... For >1,000, Deduct	42.64	-2.13
32 84 23 00-0493	LF		10" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation..... For >1,000, Deduct	57.83	-2.89
32 84 23 00-0494	LF		12" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation..... For >1,000, Deduct	75.66	-3.78

**32 84 23 00-0495**

**Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench (32 84 23 00-0489)**

32 84 23 00-0496	LF		6" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation ..... For >1,000, Deduct	31.48	-1.57
32 84 23 00-0497	LF		8" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation ..... For >1,000, Deduct	43.43	-2.17
32 84 23 00-0498	LF		10" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation..... For >1,000, Deduct	58.70	-2.94
32 84 23 00-0499	LF		12" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation..... For >1,000, Deduct	76.61	-3.83

**32 84 23 00-0500**

**Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 48" Open Trench (32 84 23 00-0489)**

32 84 23 00-0501	LF		6" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 48" Open Trench Installation ..... For >1,000, Deduct	32.19	-1.61
32 84 23 00-0502	LF		8" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 48" Open Trench Installation ..... For >1,000, Deduct	44.22	-2.21
32 84 23 00-0503	LF		10" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 48" Open Trench Installation..... For >1,000, Deduct	59.57	-2.98
32 84 23 00-0504	LF		12" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 48" Open Trench Installation..... For >1,000, Deduct	77.57	-3.88

**32 84 23 00-0505**

**Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), Directional Bore (32 84 23 00-0489)**

32 84 23 00-0506	LF		6" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), Directional Bore Installation ..... For >1,000, Deduct	82.67	-4.13
32 84 23 00-0507	LF		8" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), Directional Bore Installation ..... For >1,000, Deduct	105.06	-5.25
32 84 23 00-0508	LF		10" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), Directional Bore Installation ..... For >1,000, Deduct	125.42	-6.27
32 84 23 00-0509	LF		12" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), Directional Bore Installation ..... For >1,000, Deduct	148.44	-7.42

**32 84 23 00-0510**

**Below Ground Cam Adapter Assembly (32 84 23 00-0366)**

Note: Includes minimum 6" depth gravel or crushed rock, woven wire cloth, jumbo valve box with 15" x 21.5" cover, 1-1/2" brass ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe

32 84 23 00-0511	EA		Below Ground Cam Adapter Assembly ..... Note: Includes 6" depth gravel or crushed rock, woven wire cloth, jumbo valve box with 15" x 21.5" cover, 1-1/2" brass ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe.	660.80	
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**32 84 23 00-0512**

**Above Ground Cam Adapter Assembly (32 84 23 00-0366)**

Note: Includes concrete thrust block, 1-1/2" plastic ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe

**32 Exterior Improvements****32 80 Irrigation****32 84 Planting Irrigation**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

32 84 23 00-0513	EA	Above Ground Cam Adapter Assembly .....414.19 Note: Includes concrete thrust block, 1-1/2" plastic ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe.		
<b>32 84 23 00-0514</b>		<b>Thrust Block</b> (32 84 23 00-0366)		
32 84 23 00-0515	EA	Thrust Block For 1-1/2" Pipe Size And Smaller.....	35.28	
32 84 23 00-0516	EA	Thrust Block For 2" Pipe.....	60.89	
32 84 23 00-0517	EA	Thrust Block For 3" And 4" Pipe.....	86.51	
32 84 23 00-0518	EA	Thrust Block For 6" Pipe.....	138.22	
32 84 23 00-0519	EA	Thrust Block For 8" Pipe.....	197.18	
<b>32 84 23 00-0520</b>		<b>Irrigation Swing Joints</b> (32 84 23)		
32 84 23 00-0521	EA	3/4" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rain Bird® TSJ12075) .....	55.45	20.09
32 84 23 00-0522	EA	1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rain Bird® TSJ12) .....	63.02	22.43
32 84 23 00-0523	EA	1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint With 70 PSI Pressure Regulator (Rain Bird® TSJ100PRS).....	83.28	22.43
32 84 23 00-0524	EA	1/2" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type I..... Note: Consists of three threaded 90 degree elbows and 12" threaded pipe.	42.53	26.19
32 84 23 00-0525	EA	3/4" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type I..... Note: Consists of three threaded 90 degree elbows and 12" threaded pipe.	56.86	34.93
32 84 23 00-0526	EA	1" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type I..... Note: Consists of three threaded 90 degree elbows and 12" threaded pipe.	71.79	42.83
32 84 23 00-0527	EA	1/2" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type II..... Note: Consists of one threaded 90 degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.	60.35	26.60
32 84 23 00-0528	EA	3/4" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type II..... Note: Consists of one threaded 90 degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.	79.83	35.28
32 84 23 00-0529	EA	1" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type II..... Note: Consists of one threaded 90 degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.	98.36	43.26
32 84 23 00-0530	EA	1/2" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type III..... Note: Consists of two street 90 degree elbows.	34.23	16.29
32 84 23 00-0531	EA	3/4" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type III..... Note: Consists of two street 90 degree elbows.	45.76	21.72
32 84 23 00-0532	EA	1" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type III..... Note: Consists of two street 90 degree elbows.	54.59	26.93
<b>32 84 23 00-0533</b>		<b>Irrigation Control Wire</b> (32 84 23) Note: Excludes excavation and backfill.		
<b>32 84 23 00-0534</b>		<b>18 AWG, Irrigation Control Wire, Buried In Trench</b> (32 84 23 00-0533)		
32 84 23 00-0535	CLF	1-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench .....	46.85	15.15
32 84 23 00-0536	CLF	2-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench .....	61.10	17.67
32 84 23 00-0537	CLF	3-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench .....	70.29	20.19
32 84 23 00-0538	CLF	4-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench .....	80.41	22.72
32 84 23 00-0539	CLF	5-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	91.42	25.24
32 84 23 00-0540	CLF	6-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench .....	108.91	27.76
32 84 23 00-0541	CLF	7-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench .....	125.68	30.28
32 84 23 00-0542	CLF	8-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench .....	136.55	32.81
32 84 23 00-0543	CLF	9-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench .....	149.83	35.33
32 84 23 00-0544	CLF	10-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	165.02	37.86
32 84 23 00-0545	CLF	11-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	170.96	40.38
32 84 23 00-0546	CLF	12-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	177.85	42.90
32 84 23 00-0547	CLF	13-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	187.67	45.43
<b>32 84 23 00-0548</b>		<b>16 AWG, Irrigation Control Wire, Buried In Trench</b> (32 84 23 00-0533)		
32 84 23 00-0549	CLF	1-Conductor, 16 AWG, Irrigation Control Wire, Buried In Trench .....	49.29	15.15
<b>32 84 23 00-0550</b>		<b>14 AWG, Irrigation Control Wire, Buried In Trench</b> (32 84 23 00-0533)		
32 84 23 00-0551	CLF	1-Conductor, 14 AWG, Irrigation Control Wire, Buried In Trench .....	49.30	15.15
<b>32 84 23 00-0552</b>		<b>12 AWG, Irrigation Control Wire, Buried In Trench</b> (32 84 23 00-0533)		
32 84 23 00-0553	CLF	1-Conductor, 12 AWG, Irrigation Control Wire, Buried In Trench .....	65.49	15.15
<b>32 84 23 00-0554</b>		<b>10 AWG, Irrigation Control Wire, Buried In Trench</b> (32 84 23 00-0533)		
32 84 23 00-0555	CLF	1-Conductor, 10 AWG, Irrigation Control Wire, Buried In Trench .....	85.99	15.15
<b>32 84 23 00-0556</b>		<b>Root Watering Systems</b> (32 84 23) Note: Includes swing assembly.		
32 84 23 00-0557	EA	0.25 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-1401)..... For Root Watering Sand Sock, Add	88.70 1.13	20.19
32 84 23 00-0558	EA	0.25 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1401)..... For Root Watering Sand Sock, Add	95.40 1.13	20.19
32 84 23 00-0559	EA	0.5 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-1402)..... For Root Watering Sand Sock, Add	88.70 1.13	20.19

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0560	EA		0.5 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1402) .....95.40		20.19
			<i>For Root Watering Sand Sock, Add</i> ..... 1.13		
32 84 23 00-0561	EA		1 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1404) .....95.40		20.19
			<i>For Root Watering Sand Sock, Add</i> ..... 1.13		
32 84 23 00-0562	EA		0.25 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-1401) .....77.01		17.67
			<i>For Root Watering Sand Sock, Add</i> ..... 1.13		
32 84 23 00-0563	EA		0.25 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-C-1401) .....83.44		17.67
			<i>For Root Watering Sand Sock, Add</i> ..... 1.13		
32 84 23 00-0564	EA		0.25 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-1402) .....77.01		17.67
			<i>For Root Watering Sand Sock, Add</i> ..... 1.13		
32 84 23 00-0565	EA		0.5 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-C-1402) .....83.44		17.67
			<i>For Root Watering Sand Sock, Add</i> ..... 1.13		
32 84 23 00-0566	EA		0.25 GPM Bubbler On Riser, 10" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-S-B-1401) .....52.45		15.15
			<i>For Root Watering Sand Sock, Add</i> ..... 1.13		
32 84 23 00-0567	EA		0.25 GPM Bubbler And Check Valve On Riser, 10" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-S-B-C-1401) .....58.58		15.15
			<i>For Root Watering Sand Sock, Add</i> ..... 1.13		

**32 90 Planting** <sup>(32)</sup>

Note: Plant installation includes the initial watering only. The extended watering period for the establishment of lawns, plants and trees is addressed on a per plant per amount per occurrence basis as directed in the specification. cvs = cultivar. See CSI section 32 01 90 26-0000 for additional "extended watering period" tasks.

**32 91 Planting Preparation** <sup>(32 90)</sup>

**32 91 13 Soil Preparation** <sup>(32 91)</sup>

**32 91 13 16 Mulching** <sup>(32 91 13)</sup>

**32 91 13 16-0001 Mulch** <sup>(32 91 13 16)</sup>

Note: Includes loading, delivery up to 15 miles and spreading. 1 CY = 108 SF of mulch spread 3" thick. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

32 91 13 16-0002	CY	Pea Gravel Mulch .....99.41		
		<i>For &gt;5 To 20, Deduct</i> ..... -8.26		
		<i>For &gt;20 To 50, Deduct</i> ..... -12.39		
		<i>For &gt;50, Deduct</i> ..... -17.36		
		<i>For Work On Slopes &gt;2.5:1, Add</i> ..... 13.15		
32 91 13 16-0003	CY	Stone/Gravel Mulch, Marble Chips .....284.68		
		<i>For &gt;5 To 20, Deduct</i> ..... -17.52		
		<i>For &gt;20 To 50, Deduct</i> ..... -26.28		
		<i>For &gt;50, Deduct</i> ..... -40.51		
		<i>For Work On Slopes &gt;2.5:1, Add</i> ..... 13.15		
32 91 13 16-0004	CY	Stone Mulch, Decomposed Granite Chips .....128.97		
		<i>For &gt;5 To 20, Deduct</i> ..... -9.74		
		<i>For &gt;20 To 50, Deduct</i> ..... -14.60		
		<i>For &gt;50, Deduct</i> ..... -21.05		
		<i>For Work On Slopes &gt;2.5:1, Add</i> ..... 13.15		
32 91 13 16-0005	CY	Pine Bark Nugget Mulch .....112.61		
		<i>For &gt;5 To 20, Deduct</i> ..... -8.92		
		<i>For &gt;20 To 50, Deduct</i> ..... -13.38		
		<i>For &gt;50, Deduct</i> ..... -19.01		
		<i>For Work On Slopes &gt;2.5:1, Add</i> ..... 13.15		
32 91 13 16-0006	CY	Hardwood Bark Nugget Mulch .....110.73		
		<i>For &gt;5 To 20, Deduct</i> ..... -8.82		
		<i>For &gt;20 To 50, Deduct</i> ..... -13.23		
		<i>For &gt;50, Deduct</i> ..... -18.77		
		<i>For Work On Slopes &gt;2.5:1, Add</i> ..... 13.15		
32 91 13 16-0007	CY	Pine Wood Chip Mulch .....106.98		
		<i>For &gt;5 To 20, Deduct</i> ..... -8.64		
		<i>For &gt;20 To 50, Deduct</i> ..... -12.95		
		<i>For &gt;50, Deduct</i> ..... -18.30		
		<i>For Work On Slopes &gt;2.5:1, Add</i> ..... 13.15		
32 91 13 16-0008	CY	Hardwood Chip Mulch .....114.48		
		<i>For &gt;5 To 20, Deduct</i> ..... -9.01		
		<i>For &gt;20 To 50, Deduct</i> ..... -13.52		
		<i>For &gt;50, Deduct</i> ..... -19.24		
		<i>For Work On Slopes &gt;2.5:1, Add</i> ..... 13.15		
32 91 13 16-0009	CY	Shredded Hardwood Mulch .....114.48		
		<i>For &gt;5 To 20, Deduct</i> ..... -9.01		
		<i>For &gt;20 To 50, Deduct</i> ..... -13.52		
		<i>For &gt;50, Deduct</i> ..... -19.24		
		<i>For Work On Slopes &gt;2.5:1, Add</i> ..... 13.15		
32 91 13 16-0010	CY	Shredded Pine Mulch .....97.61		
		<i>For &gt;5 To 20, Deduct</i> ..... -8.17		
		<i>For &gt;20 To 50, Deduct</i> ..... -12.25		
		<i>For &gt;50, Deduct</i> ..... -17.13		
		<i>For Work On Slopes &gt;2.5:1, Add</i> ..... 13.15		
32 91 13 16-0011	CY	Shredded Cedar Mulch .....134.17		
		<i>For &gt;5 To 20, Deduct</i> ..... -10.00		
		<i>For &gt;20 To 50, Deduct</i> ..... -14.99		
		<i>For &gt;50, Deduct</i> ..... -21.70		
		<i>For Work On Slopes &gt;2.5:1, Add</i> ..... 13.15		

**32 Exterior Improvements****32 90 Planting****32 91 Planting Preparation**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 91 13 16-0012	CY	Shredded Cypress Mulch.....	131.35
		<i>For &gt;5 To 20, Deduct</i>	-9.85
		<i>For &gt;20 To 50, Deduct</i>	-14.78
		<i>For &gt;50, Deduct</i>	-21.35
		<i>For Work On Slopes &gt;2.5:1, Add</i>	13.15
32 91 13 16-0013	CY	Shredded Redwood Mulch.....	138.85
		<i>For &gt;5 To 20, Deduct</i>	-10.23
		<i>For &gt;20 To 50, Deduct</i>	-15.34
		<i>For &gt;50, Deduct</i>	-22.29
		<i>For Work On Slopes &gt;2.5:1, Add</i>	13.15
32 91 13 16-0014	CY	Chunk Recycled Tire Mulch.....	214.89
		<i>For &gt;5 To 20, Deduct</i>	-14.93
		<i>For &gt;20 To 50, Deduct</i>	-22.39
		<i>For &gt;50, Deduct</i>	-33.13
		<i>For Work On Slopes &gt;2.5:1, Add</i>	16.73
32 91 13 16-0015	CY	Chunk Colored Recycled Tire Mulch.....	344.26
		<i>For &gt;5 To 20, Deduct</i>	-21.40
		<i>For &gt;20 To 50, Deduct</i>	-32.09
		<i>For &gt;50, Deduct</i>	-49.31
		<i>For Work On Slopes &gt;2.5:1, Add</i>	16.73
32 91 13 16-0016	CY	Shredded Recycled Tire Mulch.....	346.14
		<i>For &gt;5 To 20, Deduct</i>	-21.49
		<i>For &gt;20 To 50, Deduct</i>	-32.23
		<i>For &gt;50, Deduct</i>	-49.54
		<i>For Work On Slopes &gt;2.5:1, Add</i>	16.73
32 91 13 16-0017	CY	Shredded Colored Recycled Tire Mulch.....	604.89
		<i>For &gt;5 To 20, Deduct</i>	-34.43
		<i>For &gt;20 To 50, Deduct</i>	-51.64
		<i>For &gt;50, Deduct</i>	-81.88
		<i>For Work On Slopes &gt;2.5:1, Add</i>	16.73
32 91 13 16-0018	EA	Pine Straw Mulch Bale.....	10.17
		Note: Covers 50 SF at a thickness of 2" to 4" forming a uniform mat through which none of the original ground surface can be seen.	
		<i>For &gt;100 To 250, Deduct</i>	-0.69
		<i>For &gt;250 To 500, Deduct</i>	-0.87
		<i>For &gt;500, Deduct</i>	-1.20
		<i>For Work On Slopes &gt;2.5:1, Add</i>	0.73
32 91 13 16-0019	EA	Wheat Straw Mulch Bale.....	10.43
		Note: Covers 350 SF forming a uniform mat through which 20 to 40% of the original ground surface can be seen.	
		<i>For &gt;100 To 250, Deduct</i>	-0.66
		<i>For &gt;250 To 500, Deduct</i>	-0.79
		<i>For &gt;500, Deduct</i>	-1.18
		<i>For Work On Slopes &gt;2.5:1, Add</i>	0.54

**32 91 13 16-0020 Compost Soil Amendment (AgriService)** (32 91 13 16)  
 Note: Includes loading, delivery up to 15 miles and spreading. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

32 91 13 16-0021	CY	Humic Compost (OIM).....	82.23
		Note: (Agri Service or Equal)	
		<i>For Work On Slopes &gt;2.5:1, Add</i>	13.15
		<i>For &gt;100 To 1,000, Deduct</i>	-13.97
		<i>For &gt;1,000, Deduct</i>	-21.37

**32 91 13 26 Planting Beds** (32 91 13)

Note: Not for use when installing trees and shrubs.

**32 91 13 26-0001 Plant Bed Preparation** (32 91 13 26)

Note: Not for use when installing trees and shrubs.

32 91 13 26-0002	SF	Prepare And Mix Plant Bed, Up To 8" Deep By Machine.....	1.03
		Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	
		<i>For Work On Slopes &gt;2.5:1, Add</i>	0.21
32 91 13 26-0003	SF	Prepare And Mix Plant Bed, 9" To 13" Deep By Machine.....	1.18
		Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	
		<i>For Work On Slopes &gt;2.5:1, Add</i>	0.24
32 91 13 26-0004	SF	Prepare And Mix Plant Bed, 14" To 18" Deep By Machine.....	1.39
		Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	
		<i>For Work On Slopes &gt;2.5:1, Add</i>	0.28
32 91 13 26-0005	SF	Prepare And Mix Plant Bed By Hand, Up To 8" Deep.....	4.59
		Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	
		<i>For Work On Slopes &gt;2.5:1, Add</i>	0.92
32 91 13 26-0006	SF	Prepare And Mix Plant Bed By Hand, 9" To 13" Deep.....	5.27
		Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	
		<i>For Work On Slopes &gt;2.5:1, Add</i>	1.05
32 91 13 26-0007	SF	Prepare And Mix Plant Bed By Hand, 14" To 18" Deep.....	6.19
		Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	
		<i>For Work On Slopes &gt;2.5:1, Add</i>	1.24

**32 91 13 26-0008 Planting Pit Preparation** (32 91 13 26)

Note: Not for use when installing trees and shrubs.

32 91 13 26-0009	CY	Excavate Planting Pit By Hand, Sandy Soil.....	79.34
		Note: For use with existing planting pits.	
		<i>For Work On Slopes &gt;2.5:1, Add</i>	15.87

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 91 13 26-0010	CY		Excavate Planting Pit By Hand, Heavy Soil Note: For use with existing planting pits. <i>For Work On Slopes &gt;2.5:1, Add</i>	158.70 31.74	
32 91 13 26-0011	CY		Excavate Planting Pit By Machine, Sandy Soil Note: For use with existing planting pits. <i>For Work On Slopes &gt;2.5:1, Add</i>	13.07 2.61	
32 91 13 26-0012	CY		Excavate Planting Pit By Machine, Heavy Soil Note: For use with existing planting pits. <i>For Work On Slopes &gt;2.5:1, Add</i>	17.00 3.40	
32 91 13 26-0013	CY		Backfill Planting Pit By Hand With Topsoil From Stockpile <i>For Work On Slopes &gt;2.5:1, Add</i>	70.51 14.10	
32 91 13 26-0014	CY		Backfill Planting Pit By Hand With Contractor Furnished Planting Mix <i>For Work On Slopes &gt;2.5:1, Add</i>	150.80 13.00	
32 91 13 26-0015	CY		Backfill Planting Pit By Machine, With Topsoil From Stockpile <i>For Work On Slopes &gt;2.5:1, Add</i>	6.98 1.40	
32 91 13 26-0016	CY		Backfill Planting Pit By Machine, With Contractor Furnished Planting Mix <i>For Work On Slopes &gt;2.5:1, Add</i>	103.68 3.57	

**32 91 13 26-0017 Weed Barrier (32 91 13 26)**

32 91 13 26-0018	SY		Up To 3 Oz/SY Non Woven, Polypropylene Weed Barrier <i>For Work On Slopes &gt;2.5:1, Add</i>	1.97 0.13	
32 91 13 26-0019	SY		4 Oz/SY Woven, Polypropylene Weed Barrier <i>For Work On Slopes &gt;2.5:1, Add</i>	2.67 0.13	
32 91 13 26-0020	SY		5 Oz/SY Woven, Needle Punched Polypropylene Weed Barrier <i>For Work On Slopes &gt;2.5:1, Add</i>	2.97 0.13	

**32 91 13 33 Soil Conditioners (32 91 13)**
**32 91 13 33-0001 Spread Soil Conditioners (32 91 13 33)**

32 91 13 33-0002	SY		Aluminum Sulfate 1 LB/SY, Push Spreader	0.44	
32 91 13 33-0003	MSF		Aluminum Sulfate 110 LB/MSF Tractor Spreader	42.22	
32 91 13 33-0004	MSF		Fertilizer, 20 LB/MSF, Push Spreader	6.79	
32 91 13 33-0005	MSF		Fertilizer, 20 LB/MSF, Tractor Spread	2.99	
32 91 13 33-0006	MSF		Fertilizer, 20 LB/MSF, Truck Spread	5.23	
32 91 13 33-0007	SY		Pelletized Lime, 1 LB/SY, Push Spreader	0.11	
32 91 13 33-0008	MSF		Pelitized Lime, 110 LB/MSF, Tractor Spreader	7.88	
32 91 13 33-0009	SY		Perlite, 1" Deep, Push Spreader	3.86	
32 91 13 33-0010	MSF		Perlite, 1" Deep, Tractor Spreader	400.52	
32 91 13 33-0011	SY		Vermiculite, Push Spreader	3.58	
32 91 13 33-0012	MSF		Vermiculite, Tractor Spreader	391.23	
32 91 13 33-0013	SY		Humate Granular Soil Conditioner, 0.10 LB/SY, Push Spreader	0.19	
32 91 13 33-0014	MSF		Humate Granular Soil Conditioner, 10 LB/MSF, Tractor Spreader	16.63	

**32 91 13 36 Lawn Bed Preparation (32 91 13)**
**32 91 13 36-0001 Lawn Bed Preparation (32 91 13 36)**

32 91 13 36-0002	MSF		Rake Topsoil With Machine	80.99	
32 91 13 36-0003	MSF		Rake Topsoil By Hand	63.47	
32 91 13 36-0004	MSF		Screen Loam By Hand	42.31	
32 91 13 36-0005	SY		Roll Topsoil With Machine	1.05	
32 91 13 36-0006	SY		Roll Topsoil By Hand	2.83	
32 91 13 36-0007	MSF		Removal Of Rocks And Debris With Machine	9.58	
32 91 13 36-0008	MSF		Removal Of Rocks And Debris By Hand	29.45	
32 91 13 36-0009	MSF		Root Raking And Loading, No Boulders <i>For &gt;45 to 225, Deduct</i>	50.12 -35.08	
			<i>For &gt;225, Deduct</i>	-45.11	
32 91 13 36-0010	MSF		Root Raking And Loading, With Boulders <i>For &gt;45 to 225, Deduct</i>	83.54 -58.48	
			<i>For &gt;225, Deduct</i>	-75.19	
32 91 13 36-0011	MSF		Up To 6" Deep Tilling Topsoil With Tractor	4.52	
32 91 13 36-0012	MSF		>6" To 12" Deep Tilling Topsoil With Tractor <i>For Work On Slopes &gt;2.5:1, Add</i>	9.17 1.83	
32 91 13 36-0013	SY		Up To 2" Deep Tilling Topsoil With Rototiller	0.68	
32 91 13 36-0014	SY		>2" To 4" Deep Tilling Topsoil With Rototiller	0.81	
32 91 13 36-0015	SY		>4" To 6" Deep Tilling Topsoil With Rototiller	1.02	
32 91 13 36-0016	LF		"V" Cut Soil For Edge Of Planting Beds	1.13	

**32 91 13 36-0017 Sod Removal (32 91 13 36)**

32 91 13 36-0018	SY		Removal Of Sod By Hand <i>For Work On Slopes &gt;2.5:1, Add</i>	5.35 1.07	
32 91 13 36-0019	SY		Removal Of Sod With Machine <i>For Work On Slopes &gt;2.5:1, Add</i>	0.62 0.12	
32 91 13 36-0020	SY		Pile Sod By Hand <i>For Work On Slopes &gt;2.5:1, Add</i>	3.17 0.63	
32 91 13 36-0021	SY		Pile Sod With Machine <i>For Work On Slopes &gt;2.5:1, Add</i>	1.15 0.23	

**32 91 19 Landscape Grading (32 91)**
**32 91 19 13 Topsoil Placement and Grading (32 91 19)**
**32 91 19 13-0001 Remove And Stockpile Topsoil On Site (32 91 19 13)**

**32 Exterior Improvements****32 90 Planting****32 91 Planting Preparation**
 MINOR  
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 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

32 91 19 13-0002	CY	Removal Of Topsoil, 4" Deep Stockpile On Site .....	4.87
32 91 19 13-0003	CY	Removal Of Topsoil, 6" Deep Stockpile On Site .....	4.83

**32 91 19 13-0004 Screening Topsoil** (32 91 19 13)

32 91 19 13-0005	CY	Screen Topsoil With Vibrating Screen, Wet Material (Organic).....	10.61
32 91 19 13-0006	CY	Screen Topsoil With Vibrating Screen, Dry Material .....	7.07

**32 91 19 13-0007 Spreading Topsoil From Stockpile** (32 91 19 13)

32 91 19 13-0008	CY	Spread Topsoil By Machine From Stockpile .....	7.80
32 91 19 13-0009	CY	Spread Topsoil By Hand From Stockpile .....	60.56

**32 91 19 13-0010 Furnish And Place Imported Screened Topsoil** (32 91 19 13)

Note: Includes delivery up to 15 miles from the closest approved source and spread by machine. Excludes hand spreading. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles, 31 23 16 36-0030 for hand spreading.

32 91 19 13-0011	SY	Furnish And Place Imported Screened Topsoil, 2" Deep .....	5.40
		<i>For Unscreened, Deduct</i>	-0.90
32 91 19 13-0012	SY	Furnish And Place Imported Screened Topsoil, 4" Deep .....	10.49
		<i>For Unscreened, Deduct</i>	-1.80
32 91 19 13-0013	SY	Furnish And Place Imported Screened Topsoil, 6" Deep .....	15.36
		<i>For Unscreened, Deduct</i>	-2.70
32 91 19 13-0014	SY	Furnish And Place Imported Screened Topsoil, 9" Deep .....	22.47
		<i>For Unscreened, Deduct</i>	-4.05
32 91 19 13-0015	SY	Furnish And Place Imported Screened Topsoil, 12" Deep .....	29.57
		<i>For Unscreened, Deduct</i>	-5.39
32 91 19 13-0016	CY	Furnish And Place Imported Screened Topsoil, Over 12" Deep .....	83.83
		<i>For Unscreened, Deduct</i>	-16.18

**32 91 19 13-0017 Scarify Soil For Planting Preparation** (32 91 19 13)

Note: Ripped in multiple directions with 3" maximum clods.

32 91 19 13-0018	MSF	Up To 5,000 SF Scarify Up To 8" Soil With Machine .....	61.14
32 91 19 13-0019	MSF	>5,000 To 20,000 SF Scarify Up To 8" Soil With Machine .....	42.79
32 91 19 13-0020	MSF	>20,000 SF Scarify Up To 8" Soil With Machine .....	25.16

**32 92 Turf and Grasses** (32 92)**32 92 16 Plugging** (32 92)**32 92 16 00-0001 Bermuda Or Centipede Plugging, 1" Deep** (32 92 16)

Note: Includes fine grade and soil preparation.

**32 92 16 00-0002 6" On Center Plugging** (32 92 16 00-0001)

32 92 16 00-0003	MSF	Plugging By Hand, 6" On Center .....	208.39
32 92 16 00-0004	MSF	Plugging By Walk Behind Planter, 6" On Center .....	31.55
32 92 16 00-0005	MSF	Plugging By Towed Planter, 6" On Center .....	24.35

**32 92 16 00-0006 9" On Center Plugging** (32 92 16 00-0001)

32 92 16 00-0007	MSF	Plugging By Hand, 9" On Center .....	159.77
32 92 16 00-0008	MSF	Plugging By Walk Behind Planter, 9" On Center .....	24.56
32 92 16 00-0009	MSF	Plugging By Towed Planter, 9" On Center .....	18.22

**32 92 16 00-0010 12" On Center Plugging** (32 92 16 00-0001)

32 92 16 00-0011	MSF	Plugging By Hand, 12" On Center .....	133.94
32 92 16 00-0012	MSF	Plugging By Walk Behind Planter, 12" On Center .....	16.47
32 92 16 00-0013	MSF	Plugging By Towed Planter, 12" On Center .....	11.59

**32 92 19 Seeding** (32 92)**32 92 19 13 Mechanical Seeding** (32 92 19)

Note: Includes fertilizing, liming, mixing, seeding and initial watering.

**32 92 19 13-0001 Tractor Spreader Mechanical Seeding** (32 92 19 13)

Note: Excludes straw.

32 92 19 13-0002	MSF	Common Bluegrass, Tractor Spreader .....	46.13
		Note: 4 LB/MSF spread rate.	
32 92 19 13-0003	MSF	Tall Fescue, Tractor Spreader .....	35.87
		Note: 5.5 LB/MSF spread rate.	
32 92 19 13-0004	MSF	Rye, Tractor Spreader .....	36.59
		Note: 10 LB/MSF spread rate.	
32 92 19 13-0005	MSF	Shade Mix, Tractor Spreader .....	40.29
		Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.	
32 92 19 13-0006	MSF	Turf Mix, Tractor Spreader .....	42.95
		Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.	
32 92 19 13-0007	MSF	Slope Mix, Tractor Spreader .....	39.41
		Note: 6 LB/MSF spread rate.	
32 92 19 13-0008	MSF	Utility Mix, Tractor Spreader .....	34.99
		Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.	
32 92 19 13-0009	MSF	Wild Flower Mix, Tractor Spreader .....	26.67
		Note: 0.10 LB/MSF spread rate.	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 92 19 13-0010	MSF		Crown Vetch Mix, Tractor Spreader..... Note: 4 LB/MSF spread rate.	92.50	
32 92 19 13-0011	MSF		Athletic Mix, Tractor Spreader ..... Note: 8 LB/MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass.	53.57	
32 92 19 13-0012	MSF		White Clover Mix, Tractor Spreader..... Note: 7 LB/MSF spread rate.	26.58	
32 92 19 13-0013	MSF		Ladino Clover Mix, Tractor Spreader..... Note: 7 LB/MSF spread rate.	30.12	

**32 92 19 13-0014 Hydro Or Air Mechanical Seeding (32 92 19 13)**

32 92 19 13-0015	MSF		Common Bluegrass, Hydro Or Air Seeding ..... Note: 4 LB/MSF spread rate.	92.39	
			<i>For Spot Areas Up To 1, Add</i>	93.80	
			<i>For &gt;1 To 4, Add</i>	59.82	
			<i>For &gt;4 To 7.5, Add</i>	40.25	
			<i>For &gt;7.5 To 10, Add</i>	20.12	
			<i>For &gt;45, Deduct</i>	-7.20	
			<i>For Tackifier, Add</i>	1.16	
32 92 19 13-0016	MSF		Tall Fescue, Hydro Or Air Seeding ..... Note: 5.5 LB/MSF spread rate.	98.58	
			<i>For Spot Areas Up To 1, Add</i>	96.28	
			<i>For &gt;1 To 4, Add</i>	61.06	
			<i>For &gt;4 To 7.5, Add</i>	40.87	
			<i>For &gt;7.5 To 10, Add</i>	20.43	
			<i>For &gt;45, Deduct</i>	-7.51	
			<i>For Tackifier, Add</i>	1.16	
32 92 19 13-0017	MSF		Rye, Hydro Or Air Spread..... Note: 10 LB/MSF spread rate.	92.65	
			<i>For Spot Areas Up To 1, Add</i>	93.91	
			<i>For &gt;1 To 4, Add</i>	59.87	
			<i>For &gt;4 To 7.5, Add</i>	40.27	
			<i>For &gt;7.5 To 10, Add</i>	20.14	
			<i>For &gt;45, Deduct</i>	-7.22	
			<i>For Tackifier, Add</i>	1.16	
32 92 19 13-0018	MSF		Shade Mix, Hydro Or Air Seeding..... Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.	92.39	
			<i>For Spot Areas Up To 1, Add</i>	93.80	
			<i>For &gt;1 To 4, Add</i>	59.82	
			<i>For &gt;4 To 7.5, Add</i>	40.25	
			<i>For &gt;7.5 To 10, Add</i>	20.12	
			<i>For &gt;45, Deduct</i>	-7.20	
			<i>For Tackifier, Add</i>	1.16	
32 92 19 13-0019	MSF		Turf Mix, Hydro Or Air Seeding..... Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.	98.58	
			<i>For Spot Areas Up To 1, Add</i>	96.28	
			<i>For &gt;1 To 4, Add</i>	61.06	
			<i>For &gt;4 To 7.5, Add</i>	40.87	
			<i>For &gt;7.5 To 10, Add</i>	20.43	
			<i>For &gt;45, Deduct</i>	-7.51	
			<i>For Tackifier, Add</i>	1.16	
32 92 19 13-0020	MSF		Slope Mix, Hydro Or Air Seeding..... Note: 6 LB/MSF spread rate.	95.93	
			<i>For Spot Areas Up To 1, Add</i>	95.22	
			<i>For &gt;1 To 4, Add</i>	60.53	
			<i>For &gt;4 To 7.5, Add</i>	40.60	
			<i>For &gt;7.5 To 10, Add</i>	20.30	
			<i>For &gt;45, Deduct</i>	-7.38	
			<i>For Tackifier, Add</i>	1.16	
32 92 19 13-0021	MSF		Utility Mix, Hydro Or Air Seeding ..... Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.	93.78	
			<i>For Spot Areas Up To 1, Add</i>	94.36	
			<i>For &gt;1 To 4, Add</i>	60.10	
			<i>For &gt;4 To 7.5, Add</i>	40.39	
			<i>For &gt;7.5 To 10, Add</i>	20.19	
			<i>For &gt;45, Deduct</i>	-7.27	
			<i>For Tackifier, Add</i>	1.16	
32 92 19 13-0022	MSF		Wild Flower Mix, Hydro Or Air Seeding ..... Note: 0.10 LB/MSF spread rate.	86.89	
			<i>For Spot Areas Up To 1, Add</i>	91.60	
			<i>For &gt;1 To 4, Add</i>	58.72	
			<i>For &gt;4 To 7.5, Add</i>	39.70	
			<i>For &gt;7.5 To 10, Add</i>	19.85	
			<i>For &gt;45, Deduct</i>	-6.93	
			<i>For Tackifier, Add</i>	1.16	
32 92 19 13-0023	MSF		Crown Vetch Mix, Hydro Or Air Seeding..... Note: 4 LB/MSF spread rate.	149.02	
			<i>For Spot Areas Up To 1, Add</i>	116.46	
			<i>For &gt;1 To 4, Add</i>	71.15	
			<i>For &gt;4 To 7.5, Add</i>	45.91	
			<i>For &gt;7.5 To 10, Add</i>	22.96	
			<i>For &gt;45, Deduct</i>	-10.04	
			<i>For Tackifier, Add</i>	1.16	

**32 Exterior Improvements****32 90 Planting****32 92 Turf and Grasses**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

32 92 19 13-0024	MSF Athletic Mix, Hydro Or Air Seeding.....	129.57
	Note: 8 LB/MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass.	
	For Spot Areas Up To 1, Add	108.68
	For >1 To 4, Add	67.26
	For >4 To 7.5, Add	43.97
	For >7.5 To 10, Add	21.98
	For >45, Deduct	-9.06
	For Tackifier, Add	1.16
32 92 19 13-0025	MSF White Clover Mix, Hydro Or Air Seeding.....	78.49
	Note: 7 LB/MSF spread rate.	
	For Spot Areas Up To 1, Add	88.24
	For >1 To 4, Add	57.04
	For >4 To 7.5, Add	38.86
	For >7.5 To 10, Add	19.43
	For >45, Deduct	-6.51
	For Tackifier, Add	1.16
32 92 19 13-0026	MSF Ladino Clover Mix, Hydro Or Air Seeding.....	88.85
	Note: 7 LB/MSF spread rate.	
	For Spot Areas Up To 1, Add	92.39
	For >1 To 4, Add	59.11
	For >4 To 7.5, Add	39.89
	For >7.5 To 10, Add	19.95
	For >45, Deduct	-7.03
	For Tackifier, Add	1.16
32 92 19 13-0027	MSF 60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Hydro Or Air Spread.....	94.16
	Note: 4 LB/MSF spread rate.	
	For Spot Areas Up To 1, Add	94.51
	For >1 To 4, Add	60.18
	For >4 To 7.5, Add	40.42
	For >7.5 To 10, Add	20.21
	For >45, Deduct	-7.29
	For Tackifier, Add	1.16
32 92 19 13-0028	MSF 2,500 LB/Acre, High Performance - Flexible Growth Medium.....	106.52
	Note: Applied with seed. Excludes seed.	
	For >45, Deduct	-6.62
32 92 19 13-0029	MSF 3,000 LB/Acre, High Performance - Flexible Growth Medium.....	123.95
	Note: Applied with seed. Excludes seed.	
	For >45, Deduct	-7.55
32 92 19 13-0030	MSF 3,500 LB/Acre, High Performance - Flexible Growth Medium.....	141.46
	Note: Applied with seed. Excludes seed.	
	For >45, Deduct	-8.50
32 92 19 13-0031	MSF 4,000 LB/Acre, High Performance - Flexible Growth Medium.....	159.01
	Note: Applied with seed. Excludes seed.	
	For >45, Deduct	-9.45
32 92 19 13-0032	MSF 4,500 LB/Acre, High Performance - Flexible Growth Medium.....	176.63
	Note: Applied with seed. Excludes seed.	
	For >45, Deduct	-10.40

**32 92 19 19 Seeding by Hand (32 92 19)**

Note: Includes fertilizing, liming, mixing, seeding and initial watering.

32 92 19 19-0001	Push Spreader Or Hand Seeding (32 92 19 19)	
	Note: Excludes straw.	
32 92 19 19-0002	MSF Common Bluegrass, Push Spreader Or Hand.....	103.75
	Note: 4 LB/MSF spread rate.	
	For >5 To 20, Deduct	-7.17
	For >20 To 45, Deduct	-13.73
	For >45, Deduct	-22.27
32 92 19 19-0003	MSF Tall Fescue, Push Spreader Or Hand.....	93.49
	Note: 5.5 LB/MSF spread rate.	
	For >5 To 20, Deduct	-6.66
	For >20 To 45, Deduct	-12.96
	For >45, Deduct	-21.25
32 92 19 19-0004	MSF Rye, Push Spreader Or Hand.....	94.21
	Note: 10 LB/MSF spread rate.	
	For >5 To 20, Deduct	-6.69
	For >20 To 45, Deduct	-13.02
	For >45, Deduct	-21.32
32 92 19 19-0005	MSF Shade Mix, Push Spreader Or Hand.....	97.91
	Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.	
	For >5 To 20, Deduct	-6.88
	For >20 To 45, Deduct	-13.29
	For >45, Deduct	-21.69
32 92 19 19-0006	MSF Turf Mix, Push Spreader Or Hand.....	100.57
	Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.	
	For >5 To 20, Deduct	-7.01
	For >20 To 45, Deduct	-13.49
	For >45, Deduct	-21.96
32 92 19 19-0007	MSF Slope Mix, Push Spreader Or Hand.....	97.03
	Note: 6 LB/MSF spread rate.	
	For >5 To 20, Deduct	-6.83
	For >20 To 45, Deduct	-13.23
	For >45, Deduct	-21.60
32 92 19 19-0008	MSF Utility Mix, Push Spreader Or Hand.....	92.61
	Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.	
	For >5 To 20, Deduct	-6.61
	For >20 To 45, Deduct	-12.90
	For >45, Deduct	-21.16



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 19-0009	MSF		Wild Flower Mix, Push Spreader Or Hand ..... Note: 0.10 LB/MSF spread rate. For >5 To 20, Deduct For >20 To 45, Deduct For >45, Deduct	84.29 -6.20 -12.27 -20.33	
32 92 19 19-0010	MSF		Crown Vetch Mix, Push Spreader Or Hand ..... Note: 4 LB/MSF spread rate. For >5 To 20, Deduct For >20 To 45, Deduct For >45, Deduct	150.12 -9.49 -17.21 -26.91	
32 92 19 19-0011	MSF		Athletic Mix, Push Spreader Or Hand ..... Note: 8 LB/MSF spread rate. Mixture of drought resistant bluegrass, tall fescue and Kentucky bluegrass. For >5 To 20, Deduct For >20 To 45, Deduct For >45, Deduct	111.19 -7.54 -14.29 -23.02	
32 92 19 19-0012	MSF		White Clover Mix, Push Spreader Or Hand ..... Note: 7 LB/MSF spread rate. For >5 To 20, Deduct For >20 To 45, Deduct For >45, Deduct	84.20 -6.19 -12.26 -20.32	
32 92 19 19-0013	MSF		Ladino Clover Mix, Push Spreader Or Hand ..... Note: 7 LB/MSF spread rate. For >5 To 20, Deduct For >20 To 45, Deduct For >45, Deduct	87.74 -6.37 -12.53 -20.67	
32 92 19 19-0014	MSF		100% Kentucky Bluegrass, Push Spreader Or Hand ..... Note: 3.3 LB/MSF spread rate. For >5 To 20, Deduct For >20 To 45, Deduct For >45, Deduct	105.44 -7.26 -13.86 -22.44	
32 92 19 19-0015	MSF		70% Kentucky Bluegrass And 30% Fescue, Push Spreader Or Hand ..... Note: 3.3 LB/MSF spread rate. For >5 To 20, Deduct For >20 To 45, Deduct For >45, Deduct	100.57 -7.01 -13.49 -21.96	
32 92 19 19-0016	MSF		50% Kentucky Bluegrass And 50% Fescue, Push Spreader Or Hand ..... Note: 3.3 LB/MSF spread rate. For >5 To 20, Deduct For >20 To 45, Deduct For >45, Deduct	97.03 -6.83 -13.23 -21.60	
32 92 19 19-0017	MSF		50% Kentucky Bluegrass And 50% Perennial Rye, Push Spreader Or Hand ..... Note: 4.4 LB/MSF spread rate. For >5 To 20, Deduct For >20 To 45, Deduct For >45, Deduct	104.11 -7.19 -13.76 -22.31	
32 92 19 19-0018	MSF		60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Push Spreader Or Hand ..... Note: 3.3 LB/MSF spread rate. For >5 To 20, Deduct For >20 To 45, Deduct For >45, Deduct	98.80 -6.92 -13.36 -21.78	
32 92 19 19-0019	MSF		40% Creeping Red Fescue, 30% Kentucky Bluegrass, 10% Red Top, And 20% Blue Tag Perennial Rye, Push Spreader Or Hand ..... Note: 3.3 LB/MSF spread rate. For >5 To 20, Deduct For >20 To 45, Deduct For >45, Deduct	100.57 -7.01 -13.49 -21.96	

**32 92 23 Sodding (32 92)**

Note: Includes raking preparation, water thoroughly and allow surface to dry before planting, rolling of sod, sanding seams for (up to 16" wide by 24" long) squares or (up to 24" wide by 54" long) rolls and initial watering within 2 hours after planting.

**32 92 23 00-0001 Tall Fescue Sod (32 92 23)**

32 92 23 00-0002	MSF		Up To 1,000 SF, Tall Fescue Sod, Installed On Level Ground ..... For Hybrid Fescue "Marathon", Add	2,237.92 158.18	
32 92 23 00-0003	MSF		>1,000 To 4,000 SF, Tall Fescue Sod, Installed On Level Ground ..... For Hybrid Fescue "Marathon", Add	1,805.89 119.07	
32 92 23 00-0004	MSF		>4,000 To 8,000 SF, Tall Fescue Sod, Installed On Level Ground ..... For Hybrid Fescue "Marathon", Add	1,525.81 99.51	
32 92 23 00-0005	MSF		>8,000 SF, Tall Fescue Sod, Installed On Level Ground ..... For Hybrid Fescue "Marathon", Add	1,295.58 79.95	
32 92 23 00-0006	MSF		Up To 1,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes ..... For Hybrid Fescue "Marathon", Add	2,548.18 158.18	
32 92 23 00-0007	MSF		>1,000 To 4,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes ..... For Hybrid Fescue "Marathon", Add	2,070.31 119.07	
32 92 23 00-0008	MSF		>4,000 To 8,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes ..... For Hybrid Fescue "Marathon", Add	1,708.23 99.51	
32 92 23 00-0009	MSF		>8,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes ..... For Hybrid Fescue "Marathon", Add	1,450.71 79.95	

**32 93 Plants (32 90)**

**32 93 13 Ground Covers (32 93)**

Note: Materials only. See CSI section 32 93 83 00-0078 for installation and planting of ground cover.

**32 93 13 00-0001 Ornamental Grasses (32 93 13)**

32 93 13 00-0002	EA	1	Gallon, Cortaderia selloana - Pampas Grass.....	29.65	
32 93 13 00-0003	EA	2	Gallon, Cortaderia selloana - Pampas Grass.....	54.80	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 93 13 00-0004	EA	3 Gallon, Cortaderia selloana - Pampas Grass.....	99.60
32 93 13 00-0005	EA	5 Gallon, Cortaderia selloana - Pampas Grass.....	181.27
32 93 13 00-0006	EA	1 Quart, Imperata cylindrica - Japanese Blood Grass.....	22.69
32 93 13 00-0007	EA	1 Gallon, Imperata cylindrica - Japanese Blood Grass.....	30.18
32 93 13 00-0008	EA	2 Gallon, Imperata cylindrica - Japanese Blood Grass.....	32.30
32 93 13 00-0009	EA	1 Quart, Koeleria glauca - Blue Hair Grass.....	22.63
32 93 13 00-0010	EA	1 Gallon, Koeleria glauca - Blue Hair Grass.....	30.18
32 93 13 00-0011	EA	3 Gallon, Koeleria glauca - Blue Hair Grass.....	73.01
32 93 13 00-0012	EA	1 Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass.....	28.65
32 93 13 00-0013	EA	3 Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass.....	37.13
32 93 13 00-0014	EA	5 Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass.....	70.98
32 93 13 00-0015	EA	1 Gallon, Miscanthus sinensis 'Zebra' - Zebra Grass.....	26.59
32 93 13 00-0016	EA	3 Gallon, Miscanthus sinensis 'Zebra' - Zebra Grass.....	41.80
32 93 13 00-0017	EA	5 Gallon, Miscanthus sinensis 'Zebra' - Zebra Grass.....	71.54
32 93 13 00-0018	EA	1 Quart, Pennisetum setaceum - Fountain Grass.....	24.75
32 93 13 00-0019	EA	1 Gallon, Pennisetum setaceum - Fountain Grass.....	62.97
32 93 13 00-0020	EA	3 Gallon, Pennisetum setaceum - Fountain Grass.....	83.01
32 93 13 00-0021	EA	1 Gallon, Saccharum ravennae - Ravenna Grass.....	78.37
32 93 13 00-0022	EA	3 Gallon, Saccharum ravennae - Ravenna Grass.....	88.03
32 93 13 00-0023	EA	7 Gallon, Saccharum ravennae - Ravenna Grass.....	145.23
32 93 13 00-0024	EA	1 Gallon, Spartina pectinata - Variegated Cord Grass.....	42.55
32 93 13 00-0025	EA	2 Gallon, Spartina pectinata - Variegated Cord Grass.....	63.69
32 93 13 00-0026	EA	1 Quart, Stipa gigantea - Giant Feather Grass.....	32.48
32 93 13 00-0027	EA	1 Gallon, Stipa gigantea - Giant Feather Grass.....	45.26

**32 93 13 00-0028 Ground Covers (32 93 13)**

32 93 13 00-0029	EA	1 Gallon Acorus gramineus - Japanese Sweet Flag.....	22.03
32 93 13 00-0030	EA	3" Pot Ajuga reptans - Carpet Bugle.....	5.29
32 93 13 00-0031	EA	1 Quart Ajuga reptans - Carpet Bugle.....	8.81
32 93 13 00-0032	EA	1 Gallon Ajuga reptans - Carpet Bugle.....	21.15
32 93 13 00-0033	EA	24 Plant Flat Ajuga reptans - Carpet Bugle.....	91.05
32 93 13 00-0034	EA	2 Gallon Aristolochia macrophylla - Dutchman's Pipe.....	73.43
32 93 13 00-0035	EA	5 Gallon Aristolochia macrophylla - Dutchman's Pipe.....	134.52
32 93 13 00-0036	EA	1 Quart Arundo donax - Giant Reed.....	28.20
32 93 13 00-0037	EA	1 Gallon Arundo donax - Giant Reed.....	40.53
32 93 13 00-0038	EA	1 Quart Baccharis Pilularis - Dwarf Coyote Bush.....	8.81
32 93 13 00-0039	EA	1 Gallon Baccharis Pilularis - Dwarf Coyote Bush.....	15.27
32 93 13 00-0040	EA	3 Gallon Bougainvillea spectabilis - Bougainvillea.....	30.81
32 93 13 00-0041	EA	1 Gallon Campsis radicans - Trumpet Creeper.....	32.31
32 93 13 00-0042	EA	2 Gallon Campsis radicans - Trumpet Creeper.....	48.75
32 93 13 00-0043	EA	5 Gallon Campsis radicans - Trumpet Creeper.....	117.48
32 93 13 00-0044	EA	1 Quart Carex 'Bowles Golden' - Variegated Japanese Sedge.....	31.13
32 93 13 00-0045	EA	1 Gallon Carex 'Bowles Golden' - Variegated Japanese Sedge.....	40.53
32 93 13 00-0046	EA	1 Quart Carex hachijoensis - Variegated Japanese Sedge.....	15.86
32 93 13 00-0047	EA	1 Gallon Carex hachijoensis - Variegated Japanese Sedge.....	22.03
32 93 13 00-0048	EA	2 Gallon Carex hachijoensis - Variegated Japanese Sedge.....	34.37
32 93 13 00-0049	EA	1 Gallon Cissus antarctica - Kangaroo Vine.....	17.04
32 93 13 00-0050	EA	5 Gallon Cissus antarctica - Kangaroo Vine.....	53.45
32 93 13 00-0051	EA	1 Gallon Cistaceae - Wrinkleleaf Rock Rose.....	17.04
32 93 13 00-0052	EA	5 Gallon Cistaceae - Wrinkleleaf Rock Rose.....	58.15
32 93 13 00-0053	EA	1 Gallon Cocculus laurifolius - Laurel-leaf Snailseed.....	17.04
32 93 13 00-0054	EA	5 Gallon Cocculus laurifolius - Laurel-leaf Snailseed.....	61.09
32 93 13 00-0055	EA	1 Gallon Coprosma kirkii - Prostrate Coprosma.....	14.69
32 93 13 00-0056	EA	5 Gallon Coprosma kirkii - Prostrate Coprosma.....	53.45
32 93 13 00-0057	EA	1 Gallon Cotoneaster dammeri - Bearberry Cotoneaster.....	28.78
32 93 13 00-0058	EA	2 Gallon Cotoneaster dammeri - Bearberry Cotoneaster.....	56.33
32 93 13 00-0059	EA	5 Gallon Cotoneaster dammeri - Bearberry Cotoneaster.....	96.33
32 93 13 00-0060	EA	1 Gallon Distictis buccinatoria - Blood Red Trumpet Vine.....	18.21
32 93 13 00-0061	EA	5 Gallon Distictis buccinatoria - Blood Red Trumpet Vine.....	64.03
32 93 13 00-0062	EA	1 Quart Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper.....	20.97
32 93 13 00-0063	EA	1 Gallon Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper.....	54.35
32 93 13 00-0064	EA	24 Plant Flat Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper.....	91.05
32 93 13 00-0065	EA	1 Gallon Euonymus fortunei 'Kewensis' - Wintercreeper.....	22.91
32 93 13 00-0066	EA	2 Gallon Euonymus fortunei 'Kewensis' - Wintercreeper.....	45.82
32 93 13 00-0067	EA	1 Quart Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue.....	12.34
32 93 13 00-0068	EA	1 Gallon Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue.....	22.03
32 93 13 00-0069	EA	2 Gallon Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue.....	34.37
32 93 13 00-0070	EA	1 Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia.....	18.21
32 93 13 00-0071	EA	5 Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia.....	59.91
32 93 13 00-0072	EA	1 Gallon Gelsemium sempervirens - Carolina Jessamine.....	25.38
32 93 13 00-0073	EA	5 Gallon Gelsemium sempervirens - Carolina Jessamine.....	91.64
32 93 13 00-0074	EA	1 Quart Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass.....	31.13
32 93 13 00-0075	EA	1 Gallon Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass.....	46.99
32 93 13 00-0076	EA	1 Gallon Hardenbergia violacea - Happy Wanderer.....	21.15
32 93 13 00-0077	EA	5 Gallon Hardenbergia violacea - Happy Wanderer.....	70.49
32 93 13 00-0078	EA	2" To 3" Pot Hedera helix - English Ivy.....	5.29
32 93 13 00-0079	EA	12" To 15" Runners Hedera helix - English Ivy.....	8.81
32 93 13 00-0080	EA	1 Gallon Hedera helix - English Ivy.....	21.15
32 93 13 00-0081	EA	50 Plant Flat Hedera helix - English Ivy.....	122.18
32 93 13 00-0082	EA	3 Gallon Hibiscus, Assorted Colors.....	27.54
32 93 13 00-0083	EA	1 Gallon Hydrangea petiolaris - Climbing Hydrangea.....	38.18
32 93 13 00-0084	EA	2 Gallon Hydrangea petiolaris - Climbing Hydrangea.....	71.66
32 93 13 00-0085	EA	5 Gallon Hydrangea petiolaris - Climbing Hydrangea.....	117.48
32 93 13 00-0086	EA	1 Gallon Hymenocallis latifolia - Spider Lily.....	13.67

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 13 00-0087	EA	3	Gallon Hymenocallis latifolia - Spider Lily	36.47	
32 93 13 00-0088	EA	1	Quart Hypericum perforatum - St. John's Wort	8.81	
32 93 13 00-0089	EA	1	Gallon Hypericum perforatum - St. John's Wort	21.15	
32 93 13 00-0090	EA	5	Gallon Hypericum perforatum - St. John's Wort	54.63	
32 93 13 00-0091	EA	1	Quart Iberis sempervirens - Candytuft	8.81	
32 93 13 00-0092	EA	1	Gallon Iberis sempervirens - Candytuft	21.15	
32 93 13 00-0093	EA	1	Gallon Ilex cornuta - Dwarf Holly	15.95	
32 93 13 00-0094	EA	3	Gallon Ilex cornuta - Dwarf Holly	34.19	
32 93 13 00-0095	EA	1	Gallon Jasminum polyanthum - Winter Jasmine	21.15	
32 93 13 00-0096	EA	2	Gallon Jasminum polyanthum - Winter Jasmine	42.29	
32 93 13 00-0097	EA	5	Gallon Jasminum polyanthum - Winter Jasmine	73.43	
32 93 13 00-0098	EA	1	Gallon Jasminum volubile - Wax Jasmine	11.10	
32 93 13 00-0099	EA	1	Gallon Jasminum volubile - Wax Jasmine	27.54	
32 93 13 00-0100	EA	1	Gallon Juniperus davurica 'Parsonii' - Parson's Juniper	13.84	
32 93 13 00-0101	EA	3	Gallon Juniperus davurica 'Parsonii' - Parson's Juniper	30.81	
32 93 13 00-0102	EA	2	Gallon Juniperus horizontalis 'Plumosa Compacta' - Andorra Creeping Juniper	51.30	
32 93 13 00-0103	EA	1	Gallon Juniperus horizontalis "Wiltoni" - Blue Rug Juniper	23.90	
32 93 13 00-0104	EA	1	Gallon Juniperus Horizontalis - Prostrate Juniper	24.08	
32 93 13 00-0105	EA	3	Gallon Juniperus Horizontalis - Prostrate Juniper	51.69	
32 93 13 00-0106	EA	5	Gallon Juniperus Horizontalis - Prostrate Juniper	76.36	
32 93 13 00-0107	EA	1	Gallon Lantana spp. Various Colors	12.47	
32 93 13 00-0108	EA	4"	Pot Lantana camera - Common Lantana	5.29	
32 93 13 00-0109	EA	1	Gallon Lantana camera - Common Lantana	15.27	
32 93 13 00-0110	EA	1	Gallon Lantana sellowiana - Trailing Lantana	8.20	
32 93 13 00-0111	EA	4"	Pot Lavandula angustifolia - English Lavender	7.64	
32 93 13 00-0112	EA	1	Quart Lavandula angustifolia - English Lavender	14.69	
32 93 13 00-0113	EA	1	Gallon Lavandula angustifolia - English Lavender	24.08	
32 93 13 00-0114	EA	1	Gallon Liriope Evergreen Giant, 6 To 8 Bibs Minimum	12.47	
32 93 13 00-0115	EA	1	Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum	15.73	
32 93 13 00-0116	EA	3	Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum	25.15	
32 93 13 00-0117	EA	1	Gallon Liriope muscari 'Big Blue' - Big Blue Liriope	9.86	
32 93 13 00-0118	EA	1	Gallon Liriope muscari 'Variegata' - Variegated Lilytuft	24.08	
32 93 13 00-0119	EA	2	Quart Liriope spicata - Creeping Lilytuft	15.27	
32 93 13 00-0120	EA	1	Gallon Liriope spicata - Creeping Lilytuft	27.61	
32 93 13 00-0121	EA	5	Gallon Liriope spicata - Creeping Lilytuft	58.15	
32 93 13 00-0122	EA		Bare Root Liriope spicata - Creeping Liriope	3.85	
32 93 13 00-0123	EA	1	Gallon Lonicera x heckrottii - Gold Flame Honeysuckle	24.08	
32 93 13 00-0124	EA	2	Gallon Lonicera x heckrottii - Gold Flame Honeysuckle	45.82	
32 93 13 00-0125	EA	3"	Pot Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle	5.29	
32 93 13 00-0126	EA	1	Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle	24.08	
32 93 13 00-0127	EA	2	Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle	45.82	
32 93 13 00-0128	EA	2	Quart Lysimachia nummularia - Creeping Jenny	8.81	
32 93 13 00-0129	EA	1	Gallon Lysimachia nummularia - Creeping Jenny	17.04	
32 93 13 00-0130	EA	1	Gallon Macfadyena unguis-cati - Cat Claw Vine	21.15	
32 93 13 00-0131	EA	5	Gallon Macfadyena unguis-cati - Cat Claw Vine	91.64	
32 93 13 00-0132	EA	1	Quart Moss Phlox, Creeping Phlox	8.81	
32 93 13 00-0133	EA	1	Gallon Moss Phlox, Creeping Phlox	21.15	
32 93 13 00-0134	EA	1	Gallon Nephrolepis exaltata - Common Boston Fern	11.10	
32 93 13 00-0135	EA	1	Quart Nepeta mussinii - Persian Catmint	8.81	
32 93 13 00-0136	EA	1	Gallon Nepeta mussinii - Persian Catmint	18.21	
32 93 13 00-0137	EA	4"	Pot Ophiopogon Japonicus - Mondo grass	5.29	
32 93 13 00-0138	EA	1	Gallon Ophiopogon Japonicus - Mondo grass	21.15	
32 93 13 00-0139	EA	5	Gallon Ophiopogon Japonicus - Mondo grass	48.75	
32 93 13 00-0140	EA	2'	To 3' High Oregon Holly-Grape	24.41	
32 93 13 00-0141	EA	1	Gallon Pachysandra terminalis - Pachysandra	31.80	
32 93 13 00-0142	EA	4"	Pot Parthenocissus tricuspidata - Boston Ivy	11.75	
32 93 13 00-0143	EA	1	Gallon Parthenocissus tricuspidata - Boston Ivy	26.79	
32 93 13 00-0144	EA	5	Gallon Parthenocissus tricuspidata - Boston Ivy	73.31	
32 93 13 00-0145	EA	3"	Pot Parthenocissus quinquefolia - Virginia Creeper	5.29	
32 93 13 00-0146	EA	1	Gallon Parthenocissus quinquefolia - Virginia Creeper	27.61	
32 93 13 00-0147	EA	1	Gallon Ranunculaceae - Clematis Varieties	30.35	
32 93 13 00-0148	EA	2	Gallon Ranunculaceae - Clematis Varieties	56.13	
32 93 13 00-0149	EA	3	Gallon Rhamphiolepis umbellata 'Minor' - Dwarf Indian Hawthorn	34.19	
32 93 13 00-0150	EA	3"	Pot Rosmarinus officinalis 'Prostratus' - Creeping Rosemary	5.29	
32 93 13 00-0151	EA	1	Gallon Rosmarinus officinalis 'Prostratus' - Creeping Rosemary	21.15	
32 93 13 00-0152	EA	2-1/4"	Pot Securigera varia - Crown Vetch	3.52	
32 93 13 00-0153	EA	50	Plant Flat Securigera varia - Crown Vetch	119.24	
32 93 13 00-0154	EA	1	Quart Senecio cineraria - Dusty Miller	8.81	
32 93 13 00-0155	EA	1	Gallon Senecio cineraria - Dusty Miller	21.15	
32 93 13 00-0156	EA	1	Quart Stachys byzantina - Lamb's Ear	8.81	
32 93 13 00-0157	EA	1	Quart Stachys byzantina - Lamb's Ear	21.15	
32 93 13 00-0158	EA	1	Gallon Tradescantia spathacea - Dwarf Oyster Plant	11.40	
32 93 13 00-0159	EA	1	Gallon Tradescantia spathacea - Rhoecol Discolor "Dwarf"	11.10	
32 93 13 00-0160	EA	24"	To 30" High Viburnum awabuki - Sweet Viburnum	74.34	
32 93 13 00-0161	EA	2	Quart Verbena peruviana "St. Paul" - St. Paul Verbena	11.16	
32 93 13 00-0162	EA	1	Gallon Verbena peruviana "St. Paul" - St. Paul Verbena	17.04	
32 93 13 00-0163	EA	2-1/4"	Pot Vinca minor - Periwinkle	2.94	
32 93 13 00-0164	EA	4"	Pot Vinca minor - Periwinkle	8.81	
32 93 13 00-0165	EA		Bare Root Vinca minor - Periwinkle	2.94	
32 93 13 00-0166	EA	48	Plant Flat Vinca minor - Lesser Periwinkle	104.70	
32 93 13 00-0167	EA	2-1/4"	Pot Vinca major - Variegated Greater Periwinkle	2.94	
32 93 13 00-0168	EA	4"	Pot Vinca major - Variegated Greater Periwinkle	8.81	
32 93 13 00-0169	EA		Bare Root Vinca major - Variegated Greater Periwinkle	2.94	
32 93 13 00-0170	EA	1	Quart Waldsteinia ternata - Barren Strawberry	8.81	
32 93 13 00-0171	EA	1	Gallon Waldsteinia ternata - Barren Strawberry	21.15	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 93 13 00-0172	EA	1 Gallon Wisteria sinensis - Chinese Wisteria Vine .....	27.61	
32 93 13 00-0173	EA	3 Gallon Wisteria sinensis - Chinese Wisteria Vine .....	61.09	
32 93 13 00-0174	EA	5 Gallon Wisteria sinensis - Chinese Wisteria Vine .....	91.63	
32 93 13 00-0175	EA	Flat Hedera canariensis - Algerian Ivy .....	20.25	
32 93 13 00-0176	EA	2-1/2" Pot Hedera canariensis - Algerian Ivy .....	5.35	
32 93 13 00-0177	EA	Flat Gazania 'Copper King' .....	16.61	
32 93 13 00-0178	EA	1 Gallon Gazania 'Copper King' .....	5.67	
32 93 13 00-0179	EA	Flat Myoporum parvifolium - Myoporum .....	20.25	
32 93 13 00-0180	EA	1 Gallon Myoporum parvifolium - Myoporum .....	5.67	
32 93 13 00-0181	EA	5 Gallon Myoporum parvifolium - Myoporum .....	16.20	
32 93 13 00-0182	EA	1 Gallon Lantana montevidensis - Purple Lantana .....	5.67	
32 93 13 00-0183	EA	5 Gallon Lantana montevidensis - Purple Lantana .....	16.20	
32 93 13 00-0184	EA	Flat Carpobrotus - Ice Plant .....	15.39	
32 93 13 00-0185	EA	1 Gallon Carpobrotus - Ice Plant .....	6.48	

**32 93 23 Plants and Bulbs (32 93)**

Note: Materials only. See CSI section 32 93 83 00-0078 for installation and planting of bulbs and annuals.

**32 93 23 00-0001 Perennials (32 93 23)**

32 93 23 00-0002	EA	2 Quart Assorted Daylilies .....	17.03	
32 93 23 00-0003	EA	1 Gallon Assorted Daylilies .....	24.08	
32 93 23 00-0004	EA	2 Gallon Assorted Daylilies .....	39.94	
32 93 23 00-0005	EA	1 Quart Azure Penstemon .....	8.81	
32 93 23 00-0006	EA	1 Gallon Azure Penstemon .....	22.03	
32 93 23 00-0007	EA	1 Quart Balloon Flower .....	8.81	
32 93 23 00-0008	EA	1 Gallon Balloon Flower .....	22.03	
32 93 23 00-0009	EA	1 Quart Black-eyed Susan .....	8.81	
32 93 23 00-0010	EA	1 Gallon Black-eyed Susan .....	22.03	
32 93 23 00-0011	EA	2 Gallon Black-eyed Susan .....	28.49	
32 93 23 00-0012	EA	1 Quart Blackberry Lily .....	8.81	
32 93 23 00-0013	EA	1 Gallon Blackberry Lily .....	22.03	
32 93 23 00-0014	EA	1 Quart Blank Flower .....	8.81	
32 93 23 00-0015	EA	1 Gallon Blank Flower .....	20.27	
32 93 23 00-0016	EA	2 Gallon Blank Flower .....	28.49	
32 93 23 00-0017	EA	1 Quart Blazing Star, Gayfeather .....	8.81	
32 93 23 00-0018	EA	1 Gallon Blazing Star, Gayfeather .....	22.03	
32 93 23 00-0019	EA	1 Quart Bloodred Geranium .....	14.98	
32 93 23 00-0020	EA	1 Gallon Bloodred Geranium .....	25.26	
32 93 23 00-0021	EA	1 Quart Blue Plumbago .....	8.81	
32 93 23 00-0022	EA	1 Gallon Blue Plumbago .....	22.03	
32 93 23 00-0023	EA	1 Quart Blue Star .....	15.86	
32 93 23 00-0024	EA	1 Gallon Blue Star .....	25.26	
32 93 23 00-0025	EA	1 Quart Cardinal Flower .....	8.81	
32 93 23 00-0026	EA	1 Gallon Cardinal Flower .....	22.03	
32 93 23 00-0027	EA	4" Pot Columbine .....	5.29	
32 93 23 00-0028	EA	1 Quart Columbine .....	8.81	
32 93 23 00-0029	EA	1 Gallon Columbine .....	22.03	
32 93 23 00-0030	EA	1 Quart Common Globeflower .....	8.81	
32 93 23 00-0031	EA	1 Gallon Common Globeflower .....	22.03	
32 93 23 00-0032	EA	1 Quart Cottage Pink, Scotch Pink .....	8.81	
32 93 23 00-0033	EA	1 Quart Cottage Pink, Scotch Pink .....	22.03	
32 93 23 00-0034	EA	1 Gallon Astilbe 'Deutschland' .....	31.72	
32 93 23 00-0035	EA	1 Quart Diploid .....	11.16	
32 93 23 00-0036	EA	1 Gallon Diploid .....	25.26	
32 93 23 00-0037	EA	3 Gallon Diploid .....	43.47	
32 93 23 00-0038	EA	4" Pot Dune Sunflower .....	12.58	
32 93 23 00-0039	EA	1 Quart Evans Begonia .....	15.86	
32 93 23 00-0040	EA	1 Gallon Evans Begonia .....	28.49	
32 93 23 00-0041	EA	1 Quart False Dragonhead .....	8.81	
32 93 23 00-0042	EA	1 Gallon False Dragonhead .....	22.03	
32 93 23 00-0043	EA	1 Quart False Spirea .....	8.81	
32 93 23 00-0044	EA	1 Gallon False Spirea .....	28.49	
32 93 23 00-0045	EA	3 Gallon False Spirea .....	39.36	
32 93 23 00-0046	EA	2 Quart False Sunflower .....	14.10	
32 93 23 00-0047	EA	1 Gallon False Sunflower .....	22.03	
32 93 23 00-0048	EA	2 Gallon False Sunflower .....	28.49	
32 93 23 00-0049	EA	1 Gallon Foxglove .....	20.27	
32 93 23 00-0050	EA	2 Gallon Foxglove .....	28.49	
32 93 23 00-0051	EA	3 Gallon Foxglove .....	41.12	
32 93 23 00-0052	EA	1 Gallon Francee Hostas .....	35.67	
32 93 23 00-0053	EA	1 Quart Garden Phlox .....	8.81	
32 93 23 00-0054	EA	1 Gallon Garden Phlox .....	22.03	
32 93 23 00-0055	EA	2 Quart Golden Groundsel .....	18.80	
32 93 23 00-0056	EA	2 Gallon Golden Groundsel .....	37.89	
32 93 23 00-0057	EA	1 Quart Golden Star .....	8.81	
32 93 23 00-0058	EA	1 Gallon Golden Star .....	22.03	
32 93 23 00-0059	EA	1 Quart Goldenrod .....	8.81	
32 93 23 00-0060	EA	1 Gallon Goldenrod .....	22.03	
32 93 23 00-0061	EA	1 Gallon Happy Returns Daylilies .....	41.02	
32 93 23 00-0062	EA	4" Pot Hardy Aster, Michaelmas Daisy .....	5.29	
32 93 23 00-0063	EA	1 Quart Hardy Aster, Michaelmas Daisy .....	8.81	
32 93 23 00-0064	EA	1 Gallon Hardy Aster, Michaelmas Daisy .....	22.03	
32 93 23 00-0065	EA	1 Quart Hardy Chrysanthemum .....	7.64	
32 93 23 00-0066	EA	6" To 8" Pot Hardy Chrysanthemum .....	12.63	
32 93 23 00-0067	EA	1 Gallon Hardy Chrysanthemum .....	20.27	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 93 23 00-0068	EA	1	Gallon Herbaceous Peony.....	31.43	
32 93 23 00-0069	EA	2	Gallon Herbaceous Peony.....	50.22	
32 93 23 00-0070	EA	3	Gallon Herbaceous Peony.....	66.09	
32 93 23 00-0071	EA	4"	Pot Japanese Anemone.....	5.29	
32 93 23 00-0072	EA	1	Quart Japanese Anemone.....	15.86	
32 93 23 00-0073	EA	2	Gallon Japanese Anemone.....	28.49	
32 93 23 00-0074	EA	2"	Pot Japanese Spurge.....	3.13	
32 93 23 00-0075	EA	6"	Pot Japanese Spurge.....	4.70	
32 93 23 00-0076	EA	1	Gallon Japanese Spurge.....	20.24	
32 93 23 00-0077	EA	1	Quart Oriental Poppy.....	12.63	
32 93 23 00-0078	EA	1	Gallon Oriental Poppy.....	25.26	
32 93 23 00-0079	EA	48	Plant Flat Pachysandra terminalis.....	104.70	
32 93 23 00-0080	EA	1	Gallon Pacific Coast Iris.....	17.33	
32 93 23 00-0081	EA	3	Gallon Pacific Coast Iris.....	32.90	
32 93 23 00-0082	EA	1	Gallon Palace Purple Coral Bells.....	33.35	
32 93 23 00-0083	EA	4"	Pot Perennial Salvia.....	5.29	
32 93 23 00-0084	EA	1	Quart Perennial Salvia.....	8.81	
32 93 23 00-0085	EA	1	Gallon Perennial Salvia.....	22.03	
32 93 23 00-0086	EA	1	Quart Pincushion Flower.....	8.81	
32 93 23 00-0087	EA	1	Gallon Pincushion Flower.....	22.03	
32 93 23 00-0088	EA	2	Quart Plantain Lily.....	17.03	
32 93 23 00-0089	EA	1	Gallon Plantain Lily.....	24.08	
32 93 23 00-0090	EA	2	Gallon Plantain Lily.....	39.94	
32 93 23 00-0091	EA	3	Gallon Plantain Lily.....	75.49	
32 93 23 00-0092	EA	2	Quart Purple Coneflower.....	15.86	
32 93 23 00-0093	EA	1	Gallon Purple Coneflower.....	22.03	
32 93 23 00-0094	EA	2	Gallon Purple Coneflower.....	28.49	
32 93 23 00-0095	EA	1	Quart Purple Loosestrife.....	8.81	
32 93 23 00-0096	EA	1	Gallon Purple Loosestrife.....	22.03	
32 93 23 00-0097	EA	1	Quart Rose Mallow.....	17.33	
32 93 23 00-0098	EA	2	Gallon Rose Mallow.....	31.43	
32 93 23 00-0099	EA	3	Gallon Rose Mallow.....	53.75	
32 93 23 00-0100	EA	1	Gallon Autumn Joy Sedum.....	33.58	
32 93 23 00-0101	EA	1	Quart Siberian Iris.....	14.98	
32 93 23 00-0102	EA	2	Gallon Siberian Iris.....	28.49	
32 93 23 00-0103	EA	3	Gallon Siberian Iris.....	39.36	
32 93 23 00-0104	EA	1	Quart Speedwell.....	8.81	
32 93 23 00-0105	EA	1	Gallon Speedwell.....	22.03	
32 93 23 00-0106	EA	1	Quart Tetraploid.....	22.03	
32 93 23 00-0107	EA	1	Gallon Tetraploid.....	41.12	
32 93 23 00-0108	EA	3	Gallon Tetraploid.....	56.10	
32 93 23 00-0109	EA	1	Quart Threadleaf Coreopsis.....	8.81	
32 93 23 00-0110	EA	1	Gallon Threadleaf Coreopsis.....	22.03	
32 93 23 00-0111	EA	1	Quart Torch Lily.....	8.81	
32 93 23 00-0112	EA	1	Quart Bluebeard.....	15.86	
32 93 23 00-0113	EA	1	Gallon Bluebeard.....	23.50	
32 93 23 00-0114	EA	2	Gallon Bluebeard.....	34.36	

**32 93 23 00-0115 Annuals (32 93 23)**

32 93 23 00-0116	EA	2-1/2"	Pot Annual Flowers.....	4.09	
32 93 23 00-0117	EA	3"	Pot Annual Flowers.....	5.53	
32 93 23 00-0118	EA	4"	Pot Annual Flowers.....	11.82	
32 93 23 00-0119	EA	5-1/2"	Pot Annual Flowers.....	15.72	
32 93 23 00-0120	EA	6"	Pot Annual Flowers.....	31.13	
32 93 23 00-0121	EA	8"	Pot Annual Flowers.....	51.88	
32 93 23 00-0122	EA	36	Plant Flat Annual Flowers.....	67.91	
32 93 23 00-0123	EA	48	Plant Flat Annual Flowers.....	77.03	

**32 93 23 00-0124 Bulbs (32 93 23)**

32 93 23 00-0125	EA	Top Size	Allium giganteum - Giant Ornamental Onion.....	14.22	
32 93 23 00-0126	EA	Top Size	Allium sphaerocephalum - Drumstick Ornamental Onion.....	0.82	
32 93 23 00-0127	EA	Top Size	Crocus Hybrid.....	0.93	
32 93 23 00-0128	EA	Top Size	Eranthis hyemalis - Winter Aconite.....	1.20	
32 93 23 00-0129	EA	Top Size	Galanthus nivalis - Snowdrops.....	1.53	
32 93 23 00-0130	EA	Top Size	Iris reticulata cvs - Dutch Iris.....	0.60	
32 93 23 00-0131	EA	Top Size	Muscari armeniacum - Grape Hyacinth.....	0.71	
32 93 23 00-0132	EA	Top Size	Muscari latifolium - Grape Hyacinth.....	0.82	
32 93 23 00-0133	EA	Narcissus 'Carlton'	- Carlton Daffodil DNI.....	4.92	
32 93 23 00-0134	EA	Narcissus 'Dutch Master'	- Dutch Master Daffodil DNI.....	2.35	
32 93 23 00-0135	EA	Narcissus 'February Gold'	- February Gold Daffodil DNI.....	2.46	
32 93 23 00-0136	EA	Narcissus 'Ice Follies'	- Ice Follies Daffodil DNI.....	2.46	
32 93 23 00-0137	EA	Narcissus 'Mount Hood'	- Mount Hood Daffodil DNI.....	2.57	
32 93 23 00-0138	EA	Narcissus 'Papillon Blanc'	- Papillon Blanc Daffodil DNI.....	2.73	
32 93 23 00-0139	EA	Narcissus 'Pipit'	- Pipit Daffodil DNI.....	2.57	
32 93 23 00-0140	EA	Narcissus 'Salome'	- Salome Daffodil DNI.....	2.41	
32 93 23 00-0141	EA	Narcissus 'Tete A Tete'	- Tete A Tete Daffodil DNI.....	2.57	
32 93 23 00-0142	EA	Narcissus 'Thalia'	- Thalia Daffodil DNI.....	2.57	
32 93 23 00-0143	EA	Top Size	Scilla siberica - Siberian Squill.....	0.77	
32 93 23 00-0144	EA	Top Size	Tulip 'Angelique' - Angelique Tulip.....	2.19	
32 93 23 00-0145	EA	Top Size	Tulip 'Apeldoorn' - Apeldoorn Tulip.....	1.64	
32 93 23 00-0146	EA	Top Size	Tulip 'Apricot Beauty' - Apricot Beauty Tulip.....	2.19	
32 93 23 00-0147	EA	Top Size	Tulip 'Big Smile' - Big Smile Tulip.....	1.91	
32 93 23 00-0148	EA	Top Size	Tulip 'Black Parrot' - Black Parrot Tulip.....	2.73	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**

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32 93 23 00-0149	EA	Top Size Tulip 'Blue Heron' - Blue Heron Tulip.....	2.08
32 93 23 00-0150	EA	Top Size Tulip 'Cardinal' - Cardinal Tulip.....	1.80
32 93 23 00-0151	EA	Top Size Tulip 'Christmas Marvel' - Christmas Marvel Tulip.....	2.02
32 93 23 00-0152	EA	Top Size Tulip clusiana - Species Tulip.....	2.02
32 93 23 00-0153	EA	Top Size Tulip 'Elizabeth Arden' - Elizabeth Arden Tulip.....	2.02
32 93 23 00-0154	EA	Top Size Tulip 'Golden Apledoorn' - Golden Apledoorn Tulip.....	1.64
32 93 23 00-0155	EA	Top Size Tulip 'Golden Emperor' - Golden Emperor Tulip.....	1.59
32 93 23 00-0156	EA	Top Size Tulip 'Halcro' - Halcro Tulip.....	1.64
32 93 23 00-0157	EA	Top Size Tulip 'Ivory Floradale' - Ivory Floradale Tulip.....	2.73
32 93 23 00-0158	EA	Top Size Tulip 'Orange Emperor' - Orange Emperor Tulip.....	1.64
32 93 23 00-0159	EA	Top Size Tulip 'Passionale' - Passionale Tulip.....	2.19
32 93 23 00-0160	EA	Top Size Tulip 'Peach Blossom' - Peach Blossom Tulip.....	2.35
32 93 23 00-0161	EA	Top Size Tulip 'Peer Gynt' - Peer Gynt Tulip.....	2.46
32 93 23 00-0162	EA	Top Size Tulip 'Pink Diamond' - Pink Diamond Tulip.....	1.97
32 93 23 00-0163	EA	Top Size Tulip 'Pink Emperor' - Pink Emperor Tulip.....	1.86
32 93 23 00-0164	EA	Top Size Tulip praetens 'Fusilier' - Praetens Fusilier Tulip.....	2.02
32 93 23 00-0165	EA	Top Size Tulip 'Princesps' - Princesps Tulip.....	2.02
32 93 23 00-0166	EA	Top Size Tulip 'Red Riding Hood' - Red Riding Hood Tulip.....	1.59
32 93 23 00-0167	EA	Top Size Tulip saxatilis - Species Tulip.....	1.09
32 93 23 00-0168	EA	Top Size Tulip 'Shirley' - Shirley Tulip.....	1.64
32 93 23 00-0169	EA	Top Size Tulip 'Spring Green' - Spring Green Tulip.....	2.13
32 93 23 00-0170	EA	Top Size Tulip 'White Emperor' - White Emperor Tulip.....	1.64

**32 93 33 Shrubs (32 93)**

Note: (cvs = cultivar) materials only. See CSI section 32 93 83 00-0054 for installation and planting of shrubs.

**32 93 33 00-0001****Shrubs (32 93 33)**

32 93 33 00-0002	EA	1 Gallon Abelia x grandiflora - Abelia.....	12.07
32 93 33 00-0003	EA	3 Gallon Abelia x grandiflora - Abelia.....	24.57
32 93 33 00-0004	EA	5 Gallon Abelia x grandiflora - Abelia.....	47.17
32 93 33 00-0005	EA	1 Gallon Abelia grandiflora 'Edward Goucher' - Pink Abelia.....	7.53
32 93 33 00-0006	EA	5 Gallon Abelia grandiflora 'Edward Goucher' - Pink Abelia.....	18.63
32 93 33 00-0007	EA	15 Gallon Abelia grandiflora 'Edward Goucher' - Pink Abelia.....	73.97
32 93 33 00-0008	EA	3 Gallon Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye.....	84.79
32 93 33 00-0009	EA	18" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye.....	123.92
32 93 33 00-0010	EA	24" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye.....	138.27
32 93 33 00-0011	EA	30" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye.....	174.79
32 93 33 00-0012	EA	36" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye.....	194.36
32 93 33 00-0013	EA	18" Balled and Burlapped, Aesculus parviflora - Bottlebrush Buckeye.....	39.13
32 93 33 00-0014	EA	24" Balled and Burlapped, Aesculus parviflora - Bottlebrush Buckeye.....	52.18
32 93 33 00-0015	EA	30" Balled and Burlapped, Aesculus parviflora - Bottlebrush Buckeye.....	65.22
32 93 33 00-0016	EA	1 Gallon Agapanthus 'Peter Pan' - Lily of the Nile.....	7.53
32 93 33 00-0017	EA	5 Gallon Agapanthus 'Peter Pan' - Lily of the Nile.....	18.63
32 93 33 00-0018	EA	36" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry.....	36.02
32 93 33 00-0019	EA	42" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry.....	42.38
32 93 33 00-0020	EA	48" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry.....	50.85
32 93 33 00-0021	EA	60" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry.....	59.33
32 93 33 00-0022	EA	72" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry.....	72.04
32 93 33 00-0023	EA	36" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry.....	34.96
32 93 33 00-0024	EA	42" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry.....	37.08
32 93 33 00-0025	EA	48" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry.....	39.20
32 93 33 00-0026	EA	60" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry.....	44.49
32 93 33 00-0027	EA	36" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry.....	35.49
32 93 33 00-0028	EA	42" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry.....	37.61
32 93 33 00-0029	EA	48" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry.....	39.73
32 93 33 00-0030	EA	60" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry.....	41.85
32 93 33 00-0031	EA	1 Gallon Aspidistra elatior - Cast Iron Plant.....	7.28
32 93 33 00-0032	EA	2 Gallon Aspidistra elatior - Cast Iron Plant.....	16.84
32 93 33 00-0033	EA	1 Gallon Aucuba japonica "Variegata" - Gold Dust Plant.....	8.54
32 93 33 00-0034	EA	3 Gallon Aucuba japonica "Variegata" - Gold Dust Plant.....	18.78
32 93 33 00-0035	EA	5 Gallon Aucuba japonica "Variegata" - Gold Dust Plant.....	25.38
32 93 33 00-0036	EA	1 Gallon Baccharis pilularis 'Pigeon Point' - Dwarf Coyote Brush.....	7.53
32 93 33 00-0037	EA	5 Gallon Baccharis pilularis 'Pigeon Point' - Dwarf Coyote Brush.....	18.63
32 93 33 00-0038	EA	1 Gallon Baccharis pilularis 'Twin Peaks' - Dwarf Coyote Brush.....	7.53
32 93 33 00-0039	EA	5 Gallon Baccharis pilularis 'Twin Peaks' - Dwarf Coyote Brush.....	18.63
32 93 33 00-0040	EA	1 Gallon Bauhinia purpurea - Orange-eye Butterfly Bush.....	9.10
32 93 33 00-0041	EA	2 Gallon Bauhinia purpurea - Orange-eye Butterfly Bush.....	13.32
32 93 33 00-0042	EA	15" To 18" Berberis - Northern Bayberry.....	38.01
32 93 33 00-0043	EA	2' To 2-1/2' Berberis - Northern Bayberry.....	48.25
32 93 33 00-0044	EA	2-1/2' To 3' Berberis - Northern Bayberry.....	67.60
32 93 33 00-0045	EA	1 Gallon Berberis Buxifolia 'Nana' - Barberry.....	8.51
32 93 33 00-0046	EA	5 Gallon Berberis Buxifolia 'Nana' - Barberry.....	20.50
32 93 33 00-0047	EA	18" To 24" Berberis julianae - Dwarf Wintergreen Barberry.....	40.63
32 93 33 00-0048	EA	2' To 2-1/2' Berberis julianae - Dwarf Wintergreen Barberry.....	52.01
32 93 33 00-0049	EA	2-1/2' To 3' Berberis julianae - Dwarf Wintergreen Barberry.....	66.46
32 93 33 00-0050	EA	1 Gallon Berberis thunbergii - Crimson Pygmy Barberry.....	10.93
32 93 33 00-0051	EA	2 Gallon Berberis thunbergii - Crimson Pygmy Barberry.....	21.51
32 93 33 00-0052	EA	3 Gallon Berberis thunbergii - Crimson Pygmy Barberry.....	26.29
32 93 33 00-0053	EA	1 Gallon Berberis x mentorensis - Mentor Barberry.....	10.36
32 93 33 00-0054	EA	5 Gallon Berberis x mentorensis - Mentor Barberry.....	29.25
32 93 33 00-0055	EA	2' To 3' Berberis x mentorensis - Mentor Barberry.....	40.63
32 93 33 00-0056	EA	3' To 4' Berberis x mentorensis - Mentor Barberry.....	62.71
32 93 33 00-0057	EA	1 Gallon Buxus microphylla japonica - Japanese Boxwood.....	11.84
32 93 33 00-0058	EA	5 Gallon Buxus microphylla japonica - Japanese Boxwood.....	31.75
32 93 33 00-0059	EA	12" To 15" Buxus microphylla japonica - Japanese Boxwood.....	33.80

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TOTAL DIRECT DEMOLITION  
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32 93 33 00-0060	EA	15" To 18" Buxus microphylla japonica - Japanese Boxwood	43.47
32 93 33 00-0061	EA	18" To 24" Buxus microphylla japonica - Japanese Boxwood	57.93
32 93 33 00-0062	EA	24" To 30" Buxus microphylla japonica - Japanese Boxwood	86.95
32 93 33 00-0063	EA	30" To 36" Buxus microphylla japonica - Japanese Boxwood	120.75
32 93 33 00-0064	EA	12" To 15" Buxus sempervirens - Common Boxwood	33.80
32 93 33 00-0065	EA	15" To 18" Buxus sempervirens - Common Boxwood	43.47
32 93 33 00-0066	EA	18" To 24" Buxus sempervirens - Common Boxwood	57.93
32 93 33 00-0067	EA	24" To 30" Buxus sempervirens - Common Boxwood	86.95
32 93 33 00-0068	EA	2 Gallon Buxus Hybrid - Boxwood Cultivars	22.25
32 93 33 00-0069	EA	5 Gallon Buxus Hybrid - Boxwood Cultivars	37.08
32 93 33 00-0070	EA	5 Gallon Buxus microphylla & cvs - Little leaf Boxwood	97.46
32 93 33 00-0071	EA	18" Balled and Burlapped, Buxus microphylla & cvs - Little leaf Boxwood	52.97
32 93 33 00-0072	EA	24" Balled and Burlapped, Buxus microphylla & cvs - Little leaf Boxwood	72.04
32 93 33 00-0073	EA	30" Balled and Burlapped, Buxus microphylla & cvs - Little leaf Boxwood	97.46
32 93 33 00-0074	EA	1 Gallon Callistemon citrinus ' Little John' - Dwarf Bottle Bush	6.76
32 93 33 00-0075	EA	5 Gallon Callistemon citrinus ' Little John' - Dwarf Bottle Bush	20.81
32 93 33 00-0076	EA	15 Gallon Callistemon citrinus ' Little John' - Dwarf Bottle Bush	67.64
32 93 33 00-0077	EA	5 Gallon Calycanthus floridus - Common Sweetshrub	34.96
32 93 33 00-0078	EA	30" Balled and Burlapped, Calycanthus floridus - Common Sweetshrub	31.78
32 93 33 00-0079	EA	36" Balled and Burlapped, Calycanthus floridus - Common Sweetshrub	42.38
32 93 33 00-0080	EA	1 Gallon Camellia "Sasanqua" - Camellia	10.03
32 93 33 00-0081	EA	3 Gallon Camellia "Sasanqua" - Camellia	21.39
32 93 33 00-0082	EA	5 Gallon Camellia "Sasanqua" - Camellia	35.57
32 93 33 00-0083	EA	7 Gallon Camellia "Sasanqua" - Camellia	52.96
32 93 33 00-0084	EA	15 Gallon Camellia "Sasanqua" - Camellia	137.42
32 93 33 00-0085	EA	1 Gallon Camellia japonica - Camellia	10.03
32 93 33 00-0086	EA	3 Gallon Camellia japonica - Camellia	21.39
32 93 33 00-0087	EA	5 Gallon Camellia japonica - Camellia	35.57
32 93 33 00-0088	EA	5 Gallon Ceanothus americanus - New Jersey Tea	34.96
32 93 33 00-0089	EA	1 Gallon Ceanothus Griseus Horizontalis 'Yankee Point' - Yankee Point Ceanothus	8.51
32 93 33 00-0090	EA	5 Gallon Ceanothus Griseus Horizontalis 'Yankee Point' - Yankee Point Ceanothus	22.12
32 93 33 00-0091	EA	5 Gallon Celastrus scandens - Bittersweet	34.96
32 93 33 00-0092	EA	36" Balled and Burlapped, Celastrus scandens - Bittersweet	29.66
32 93 33 00-0093	EA	5 Gallon Cephalanthus occidentalis - Buttonbush	34.96
32 93 33 00-0094	EA	24" Balled and Burlapped, Cephalanthus occidentalis - Buttonbush	26.48
32 93 33 00-0095	EA	30" Balled and Burlapped, Cephalanthus occidentalis - Buttonbush	29.66
32 93 33 00-0096	EA	36" Balled and Burlapped, Cephalanthus occidentalis - Buttonbush	31.78
32 93 33 00-0097	EA	18" To 24" Chaenomeles speciosa - Flowering Quince	30.50
32 93 33 00-0098	EA	2' To 3' Chaenomeles speciosa - Flowering Quince	40.63
32 93 33 00-0099	EA	3' To 4' Chaenomeles speciosa - Flowering Quince	62.71
32 93 33 00-0100	EA	1 Gallon Cistus Hybridus - White Rockrose	7.53
32 93 33 00-0101	EA	5 Gallon Cistus Hybridus - White Rockrose	18.63
32 93 33 00-0102	EA	3 Gallon Clethra alnifolia & cvs - Summersweet Clethra	33.90
32 93 33 00-0103	EA	18" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra	36.55
32 93 33 00-0104	EA	24" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra	40.79
32 93 33 00-0105	EA	30" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra	42.91
32 93 33 00-0106	EA	36" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra	50.32
32 93 33 00-0107	EA	1 Gallon Coleonema Pulchellum - Confetti Bush	7.53
32 93 33 00-0108	EA	5 Gallon Coleonema Pulchellum - Confetti Bush	18.63
32 93 33 00-0109	EA	15 Gallon Coleonema Pulchellum - Confetti Bush	87.25
32 93 33 00-0110	EA	2' To 3' Cornus mas - Cornelian Cherry	48.25
32 93 33 00-0111	EA	3' To 4' Cornus mas - Cornelian Cherry	60.32
32 93 33 00-0112	EA	4' To 5' Cornus mas - Cornelian Cherry	77.28
32 93 33 00-0113	EA	5' To 6' Cornus mas - Cornelian Cherry	106.18
32 93 33 00-0114	EA	5 Gallon Cornus alba & cvs - Tartarian Dogwood	31.78
32 93 33 00-0115	EA	36" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood	22.25
32 93 33 00-0116	EA	48" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood	25.43
32 93 33 00-0117	EA	60" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood	31.78
32 93 33 00-0118	EA	72" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood	38.14
32 93 33 00-0119	EA	36" Balled and Burlapped, Cornus amomum - Silky Dogwood	31.78
32 93 33 00-0120	EA	5 Gallon Cornus obliqua - Blue Fruited Dogwood	34.96
32 93 33 00-0121	EA	5 Gallon Cornus racemosa - Gray Dogwood	34.96
32 93 33 00-0122	EA	36" Balled and Burlapped, Cornus racemosa - Gray Dogwood	31.78
32 93 33 00-0123	EA	48" Balled and Burlapped, Cornus racemosa - Gray Dogwood	37.08
32 93 33 00-0124	EA	60" Balled and Burlapped, Cornus racemosa - Gray Dogwood	40.26
32 93 33 00-0125	EA	72" Balled and Burlapped, Cornus racemosa - Gray Dogwood	48.73
32 93 33 00-0126	EA	36" Balled and Burlapped, Cornus sanguinea & cvs - Bloodtwig Dogwood	34.43
32 93 33 00-0127	EA	48" Balled and Burlapped, Cornus sanguinea & cvs - Bloodtwig Dogwood	38.67
32 93 33 00-0128	EA	60" Balled and Burlapped, Cornus sanguinea & cvs - Bloodtwig Dogwood	43.96
32 93 33 00-0129	EA	24" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	27.54
32 93 33 00-0130	EA	30" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	31.78
32 93 33 00-0131	EA	36" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	33.90
32 93 33 00-0132	EA	48" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	37.08
32 93 33 00-0133	EA	60" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	41.32
32 93 33 00-0134	EA	5 Gallon Corylus americana - American Filbert	32.84
32 93 33 00-0135	EA	30" Balled and Burlapped, Corylus americana - American Filbert	37.08
32 93 33 00-0136	EA	36" Balled and Burlapped, Corylus americana - American Filbert	39.73
32 93 33 00-0137	EA	48" Balled and Burlapped, Corylus americana - American Filbert	42.91
32 93 33 00-0138	EA	24" Balled and Burlapped, Corylus avellana - Contorted Hazelnut	105.94
32 93 33 00-0139	EA	30" Balled and Burlapped, Corylus avellana - Contorted Hazelnut	137.72
32 93 33 00-0140	EA	36" Balled and Burlapped, Corylus avellana - Contorted Hazelnut	148.31
32 93 33 00-0141	EA	42" Balled and Burlapped, Corylus avellana - Contorted Hazelnut	190.69
32 93 33 00-0142	EA	48" Balled and Burlapped, Corylus avellana - Contorted Hazelnut	233.07
32 93 33 00-0143	EA	60" Balled and Burlapped, Corylus avellana - Contorted Hazelnut	264.85
32 93 33 00-0144	EA	5' To 6' Cotinus coggygria - Smoke Tree	101.40

**32 Exterior Improvements****32 90 Planting****32 93 Plants**

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CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0145	EA	6' To 8' Cotinus coggygria - Smoke Tree.....	152.05	
32 93 33 00-0146	EA	8' To 10' Cotinus coggygria - Smoke Tree.....	229.32	
32 93 33 00-0147	EA	5 Gallon Cotoneaster acutifolia & cvs - Peking Cotoneaster.....	26.48	
32 93 33 00-0148	EA	18" Balled and Burlapped, Cotoneaster acutifolia & cvs - Peking Cotoneaster.....	26.48	
32 93 33 00-0149	EA	24" Balled and Burlapped, Cotoneaster acutifolia & cvs - Peking Cotoneaster.....	27.54	
32 93 33 00-0150	EA	12" To 15" Spread Cotoneaster adpressus - Creeping Cotoneaster.....	25.38	
32 93 33 00-0151	EA	3 Gallon Cotoneaster apiculata & cvs - Cranberry Cotoneaster.....	27.54	
32 93 33 00-0152	EA	18" Balled and Burlapped, Cotoneaster apiculata & cvs - Cranberry Cotoneaster.....	26.48	
32 93 33 00-0153	EA	24" Balled and Burlapped, Cotoneaster apiculata & cvs - Cranberry Cotoneaster.....	27.54	
32 93 33 00-0154	EA	1 Gallon Cotoneaster divaricatus - Spreading Cotoneaster.....	10.93	
32 93 33 00-0155	EA	2' To 3' Cotoneaster divaricatus - Spreading Cotoneaster.....	33.80	
32 93 33 00-0156	EA	3' To 4' Cotoneaster divaricatus - Spreading Cotoneaster.....	45.64	
32 93 33 00-0157	EA	4' To 5' Cotoneaster divaricatus - Spreading Cotoneaster.....	77.28	
32 93 33 00-0158	EA	1 Gallon Cotoneaster glaucophyllus - Gray Leaf Cotoneaster.....	7.53	
32 93 33 00-0159	EA	5 Gallon Cotoneaster glaucophyllus - Gray Leaf Cotoneaster.....	18.63	
32 93 33 00-0160	EA	1 Gallon Cotoneaster horizontalis - Rockspray Cotoneaster.....	10.93	
32 93 33 00-0161	EA	2 Gallon Cotoneaster horizontalis - Rockspray Cotoneaster.....	21.51	
32 93 33 00-0162	EA	1 Gallon Cotoneaster lacteus - Red Clusterberry.....	7.53	
32 93 33 00-0163	EA	5 Gallon Cotoneaster lacteus - Red Clusterberry.....	18.63	
32 93 33 00-0164	EA	15 Gallon Cotoneaster lacteus - Red Clusterberry.....	73.97	
32 93 33 00-0165	EA	1 Gallon Dendromecon harfordii - Island Bush Poppy.....	17.34	
32 93 33 00-0166	EA	5 Gallon Dendromecon harfordii - Island Bush Poppy.....	43.36	
32 93 33 00-0167	EA	18" Balled and Burlapped, Deutzia gracilis - Slender Deutzia.....	27.01	
32 93 33 00-0168	EA	24" Balled and Burlapped, Deutzia gracilis - Slender Deutzia.....	29.66	
32 93 33 00-0169	EA	30" Balled and Burlapped, Deutzia gracilis - Slender Deutzia.....	38.14	
32 93 33 00-0170	EA	36" Balled and Burlapped, Deutzia gracilis - Slender Deutzia.....	44.49	
32 93 33 00-0171	EA	42" Balled and Burlapped, Deutzia gracilis - Slender Deutzia.....	50.85	
32 93 33 00-0172	EA	24" Balled and Burlapped, Diervilla sessilifolia - Southern Bush Honeysuckle.....	42.38	
32 93 33 00-0173	EA	30" Balled and Burlapped, Diervilla sessilifolia - Southern Bush Honeysuckle.....	50.85	
32 93 33 00-0174	EA	36" Balled and Burlapped, Diervilla sessilifolia - Southern Bush Honeysuckle.....	59.33	
32 93 33 00-0175	EA	2 Gallon Diervilla splendens - Splendens Bush Honeysuckle.....	15.89	
32 93 33 00-0176	EA	36" Balled and Burlapped, Diervilla splendens - Splendens Bush Honeysuckle.....	38.14	
32 93 33 00-0177	EA	48" Balled and Burlapped, Diervilla splendens - Splendens Bush Honeysuckle.....	50.85	
32 93 33 00-0178	EA	5 Gallon Elaeagnus angustifolia - Russian Olive.....	18.63	
32 93 33 00-0179	EA	1 Gallon Elaeagnus ebbingei 'Gilt Edge' - Gilt Edge Silverberry.....	7.53	
32 93 33 00-0180	EA	5 Gallon Elaeagnus ebbingei 'Gilt Edge' - Gilt Edge Silverberry.....	18.63	
32 93 33 00-0181	EA	15 Gallon Elaeagnus ebbingei 'Gilt Edge' - Gilt Edge Silverberry.....	73.97	
32 93 33 00-0182	EA	1 Gallon Elaeagnus pungens 'Fruitlandii' - Fruitland Silverberry.....	7.53	
32 93 33 00-0183	EA	5 Gallon Elaeagnus pungens 'Fruitlandii' - Fruitland Silverberry.....	18.63	
32 93 33 00-0184	EA	15 Gallon Elaeagnus pungens 'Fruitlandii' - Fruitland Silverberry.....	73.97	
32 93 33 00-0185	EA	3' To 4' Elaeagnus umbellata - Autumn Olive.....	31.64	
32 93 33 00-0186	EA	4' To 5' Elaeagnus umbellata - Autumn Olive.....	43.47	
32 93 33 00-0187	EA	5' To 6' Elaeagnus umbellata - Autumn Olive.....	52.01	
32 93 33 00-0188	EA	3' To 4' Elaeagnus angustifolia - Russian Olive.....	50.64	
32 93 33 00-0189	EA	1 Gallon Escallonia x exoniensis 'Fradesii' - Pink Princess Escallonia.....	7.53	
32 93 33 00-0190	EA	5 Gallon Escallonia x exoniensis 'Fradesii' - Pink Princess Escallonia.....	18.63	
32 93 33 00-0191	EA	15 Gallon Escallonia x exoniensis 'Fradesii' - Pink Princess Escallonia.....	73.97	
32 93 33 00-0192	EA	1 Gallon Euonymus - Gold Spot.....	9.11	
32 93 33 00-0193	EA	2 Gallon Euonymus - Gold Spot.....	19.12	
32 93 33 00-0194	EA	5 Gallon Euonymus - Gold Spot.....	26.29	
32 93 33 00-0195	EA	1 Gallon Euonymus alatus - Winged Euonymus.....	7.77	
32 93 33 00-0196	EA	3 Gallon Euonymus alatus - Winged Euonymus.....	22.42	
32 93 33 00-0197	EA	24" Balled and Burlapped, Euonymus alatus - Winged Euonymus.....	30.21	
32 93 33 00-0198	EA	30" Balled and Burlapped, Euonymus alatus - Winged Euonymus.....	37.77	
32 93 33 00-0199	EA	36" Balled and Burlapped, Euonymus alatus - Winged Euonymus.....	51.90	
32 93 33 00-0200	EA	42" Balled and Burlapped, Euonymus alatus - Winged Euonymus.....	64.08	
32 93 33 00-0201	EA	48" Balled and Burlapped, Euonymus alatus - Winged Euonymus.....	75.53	
32 93 33 00-0202	EA	54" Balled and Burlapped, Euonymus alatus - Winged Euonymus.....	97.46	
32 93 33 00-0203	EA	5 Gallon Euonymus alatus - Winged Euonymus.....	28.02	
32 93 33 00-0204	EA	60" Balled and Burlapped, Euonymus alatus - Winged Euonymus.....	121.83	
32 93 33 00-0205	EA	30" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus.....	47.67	
32 93 33 00-0206	EA	36" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus.....	56.68	
32 93 33 00-0207	EA	42" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus.....	74.16	
32 93 33 00-0208	EA	48" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus.....	88.99	
32 93 33 00-0209	EA	60" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus.....	110.18	
32 93 33 00-0210	EA	18" To 24" Euonymus alatus - Winged Burning Bush.....	33.80	
32 93 33 00-0211	EA	2' To 2-1/2' Euonymus alatus - Winged Burning Bush.....	39.83	
32 93 33 00-0212	EA	2-1/2' To 3' Euonymus alatus - Winged Burning Bush.....	54.40	
32 93 33 00-0213	EA	3' To 3-1/2' Euonymus alatus - Winged Burning Bush.....	65.21	
32 93 33 00-0214	EA	3-1/2' To 4' Euonymus alatus - Winged Burning Bush.....	82.06	
32 93 33 00-0215	EA	4' To 5' Euonymus alatus - Winged Burning Bush.....	115.86	
32 93 33 00-0216	EA	5' To 6' Euonymus alatus - Winged Burning Bush.....	144.88	
32 93 33 00-0217	EA	6' To 8' Euonymus alatus - Winged Burning Bush.....	169.00	
32 93 33 00-0218	EA	15" To 18" Euonymus alatus - Dwarf Winged Burning Bush.....	33.80	
32 93 33 00-0219	EA	18" To 24" Euonymus alatus - Dwarf Winged Burning Bush.....	38.58	
32 93 33 00-0220	EA	2' To 2-1/2' Euonymus alatus - Dwarf Winged Burning Bush.....	47.12	
32 93 33 00-0221	EA	2-1/2' To 3' Euonymus alatus - Dwarf Winged Burning Bush.....	66.46	
32 93 33 00-0222	EA	3' To 3-1/2' Euonymus alatus - Dwarf Winged Burning Bush.....	78.53	
32 93 33 00-0223	EA	3-1/2' To 4' Euonymus alatus - Dwarf Winged Burning Bush.....	94.12	
32 93 33 00-0224	EA	4' To 5' Euonymus alatus - Dwarf Winged Burning Bush.....	132.81	
32 93 33 00-0225	EA	5' To 6' Euonymus alatus - Dwarf Winged Burning Bush.....	156.94	
32 93 33 00-0226	EA	36" Balled and Burlapped, Euonymus atropurpurea - Eastern Wahoo.....	28.60	
32 93 33 00-0227	EA	1 Gallon Euonymus fortunei - Wintercreeper.....	10.93	
32 93 33 00-0228	EA	2 Gallon Euonymus fortunei - Wintercreeper.....	21.51	
32 93 33 00-0229	EA	3 Gallon Euonymus fortunei - Wintercreeper.....	26.29	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0230	EA	5	Gallon Euonymus fortunei - Wintercreeper.....	31.18	
32 93 33 00-0231	EA	1	Gallon Euonymus japonicus - Evergreen Spindle.....	7.53	
32 93 33 00-0232	EA	5	Gallon Euonymus japonicus - Evergreen Spindle.....	18.63	
32 93 33 00-0233	EA	15	Gallon Euonymus japonicus - Evergreen Spindle.....	73.97	
32 93 33 00-0234	EA	2'	To 3' Forsythia - Korean Forsythia.....	24.13	
32 93 33 00-0235	EA	3'	To 4' Forsythia - Korean Forsythia.....	30.50	
32 93 33 00-0236	EA	4'	To 5' Forsythia - Korean Forsythia.....	38.01	
32 93 33 00-0237	EA	30"	Balled and Burlapped, Forsythia cvs - Forsythia cultivars.....	24.37	
32 93 33 00-0238	EA	36"	Balled and Burlapped, Forsythia cvs - Forsythia cultivars.....	27.01	
32 93 33 00-0239	EA	48"	Balled and Burlapped, Forsythia cvs - Forsythia cultivars.....	29.13	
32 93 33 00-0240	EA	18"	Balled and Burlapped, Forsythia viridissima & cvs - Green Forsythia.....	25.43	
32 93 33 00-0241	EA	24"	Balled and Burlapped, Forsythia viridissima & cvs - Green Forsythia.....	33.90	
32 93 33 00-0242	EA	24"	Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia.....	25.43	
32 93 33 00-0243	EA	30"	Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia.....	29.66	
32 93 33 00-0244	EA	36"	Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia.....	34.96	
32 93 33 00-0245	EA	42"	Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia.....	40.26	
32 93 33 00-0246	EA	48"	Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia.....	46.61	
32 93 33 00-0247	EA	2	Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla.....	36.02	
32 93 33 00-0248	EA	3	Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla.....	50.32	
32 93 33 00-0249	EA	5	Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla.....	52.97	
32 93 33 00-0250	EA	15"	Balled and Burlapped, Fothergilla gardenii & cvs - Dwarf Fothergilla.....	55.09	
32 93 33 00-0251	EA	18"	Balled and Burlapped, Fothergilla gardenii & cvs - Dwarf Fothergilla.....	59.33	
32 93 33 00-0252	EA	24"	Balled and Burlapped, Fothergilla gardenii & cvs - Dwarf Fothergilla.....	72.04	
32 93 33 00-0253	EA	24"	Balled and Burlapped, Fothergilla major - Large Fothergilla.....	93.23	
32 93 33 00-0254	EA	30"	Balled and Burlapped, Fothergilla major - Large Fothergilla.....	105.94	
32 93 33 00-0255	EA	1	Gallon Gardenia jasminoides - Cape Jasmine.....	7.85	
32 93 33 00-0256	EA	3	Gallon Gardenia jasminoides - Cape Jasmine.....	20.60	
32 93 33 00-0257	EA	5	Gallon Gardenia jasminoides - Cape Jasmine.....	26.29	
32 93 33 00-0258	EA	1	Gallon Grevillea 'Noellii' - Noel's Grevillea.....	7.53	
32 93 33 00-0259	EA	5	Gallon Grevillea 'Noellii' - Noel's Grevillea.....	18.63	
32 93 33 00-0260	EA	15	Gallon Grevillea 'Noellii' - Noel's Grevillea.....	73.97	
32 93 33 00-0261	EA	36"	Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel.....	74.16	
32 93 33 00-0262	EA	48"	Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel.....	120.77	
32 93 33 00-0263	EA	60"	Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel.....	152.55	
32 93 33 00-0264	EA	72"	Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel.....	233.07	
32 93 33 00-0265	EA	84"	Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel.....	264.85	
32 93 33 00-0266	EA	1	Gallon Hedychiium gartdnerum - Variegated Ginger.....	4.51	
32 93 33 00-0267	EA	3	Gallon Hedychiium gartdnerum - Variegated Ginger.....	15.84	
32 93 33 00-0268	EA	5	Gallon Hedychiium gartdnerum - Variegated Ginger.....	30.46	
32 93 33 00-0269	EA	1	Gallon Hibiscus rosa-sinensis - Hibiscus.....	11.55	
32 93 33 00-0270	EA	3	Gallon Hibiscus rosa-sinensis - Hibiscus.....	19.49	
32 93 33 00-0271	EA	5	Gallon Hibiscus rosa-sinensis - Hibiscus.....	29.48	
32 93 33 00-0272	EA	5	Gallon Hibiscus syriacus - Rose Of Sharon.....	30.50	
32 93 33 00-0273	EA	2'	To 3' Hibiscus syriacus - Rose Of Sharon.....	25.95	
32 93 33 00-0274	EA	3'	To 4' Hibiscus syriacus - Rose Of Sharon.....	35.05	
32 93 33 00-0275	EA	4'	To 5' Hibiscus syriacus - Rose Of Sharon.....	50.64	
32 93 33 00-0276	EA	5'	To 6' Hibiscus syriacus - Rose Of Sharon.....	69.99	
32 93 33 00-0277	EA	2	Gallon Hydrangea - Blue Hydrangea.....	21.51	
32 93 33 00-0278	EA	5	Gallon Hydrangea - Blue Hydrangea.....	30.27	
32 93 33 00-0279	EA	2'	To 3' Hydrangea paniculata "Grandiflora" - Peegee Hydrangea.....	33.80	
32 93 33 00-0280	EA	3'	To 4' Hydrangea paniculata "Grandiflora" - Peegee Hydrangea.....	38.58	
32 93 33 00-0281	EA	2	Gallon Hydrangea quercifolia - Oakleaf Hydrangea.....	21.51	
32 93 33 00-0282	EA	5	Gallon Hydrangea arborescens & cvs - Smooth Hydrangea.....	37.08	
32 93 33 00-0283	EA	30"	Balled and Burlapped, Hydrangea arborescens & cvs - Smooth Hydrangea.....	40.26	
32 93 33 00-0284	EA	36"	Balled and Burlapped, Hydrangea arborescens & cvs - Smooth Hydrangea.....	46.61	
32 93 33 00-0285	EA	4	Gallon Hydrangea macrophylla & cvs - Bigleaf Hydrangea.....	48.73	
32 93 33 00-0286	EA	18"	Balled and Burlapped, Hydrangea macrophylla & cvs - Bigleaf Hydrangea.....	38.14	
32 93 33 00-0287	EA	24"	Balled and Burlapped, Hydrangea macrophylla & cvs - Bigleaf Hydrangea.....	50.85	
32 93 33 00-0288	EA	3	Gallon Hydrangea paniculata & cvs - Panicle Hydrangea.....	22.25	
32 93 33 00-0289	EA	5	Gallon Hydrangea paniculata & cvs - Panicle Hydrangea.....	26.48	
32 93 33 00-0290	EA	18"	Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea.....	22.78	
32 93 33 00-0291	EA	24"	Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea.....	24.37	
32 93 33 00-0292	EA	30"	Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea.....	27.54	
32 93 33 00-0293	EA	36"	Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea.....	31.78	
32 93 33 00-0294	EA	48"	Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea.....	42.38	
32 93 33 00-0295	EA	18"	Balled and Burlapped, Hydrangea quercifolia & cvs - Oakleaf Hydrangea.....	30.72	
32 93 33 00-0296	EA	24"	Balled and Burlapped, Hydrangea quercifolia & cvs - Oakleaf Hydrangea.....	34.96	
32 93 33 00-0297	EA	30"	Balled and Burlapped, Hydrangea quercifolia & cvs - Oakleaf Hydrangea.....	41.32	
32 93 33 00-0298	EA	2	Gallon Hypericum kalmianum - St. John's Wort.....	21.51	
32 93 33 00-0299	EA	3	Gallon Hypericum kalmianum - Kalm St. John's Wort.....	25.43	
32 93 33 00-0300	EA	24"	Balled and Burlapped, Hypericum kalmianum - Kalm St. John's Wort.....	27.54	
32 93 33 00-0301	EA	1	Gallon Ilex "Carissa" - Holly.....	10.93	
32 93 33 00-0302	EA	2	Gallon Ilex "Carissa" - Holly.....	21.51	
32 93 33 00-0303	EA	5	Gallon Ilex "Carissa" - Holly.....	30.27	
32 93 33 00-0304	EA	18"	To 24" Ilex - Gulfside Sweet Holly.....	29.02	
32 93 33 00-0305	EA	2'	To 2-1/2' Ilex - Gulfside Sweet Holly.....	36.76	
32 93 33 00-0306	EA	2-1/2'	To 3' Ilex - Gulfside Sweet Holly.....	47.69	
32 93 33 00-0307	EA	3'	To 3-1/2' Ilex - Gulfside Sweet Holly.....	57.93	
32 93 33 00-0308	EA	3	Gallon Ilex cornuta - Dwarf Horned Holly.....	21.68	
32 93 33 00-0309	EA	1	Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly.....	10.93	
32 93 33 00-0310	EA	2	Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly.....	21.51	
32 93 33 00-0311	EA	5	Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly.....	31.18	
32 93 33 00-0312	EA	1	Gallon Ilex crenata - Hellers Japanese Holly.....	10.93	
32 93 33 00-0313	EA	2	Gallon Ilex crenata - Hellers Japanese Holly.....	23.90	
32 93 33 00-0314	EA	3	Gallon Ilex crenata - Hellers Japanese Holly.....	31.18	

## 32 Exterior Improvements

## 32 90 Planting

## 32 93 Plants

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0315	EA	2	Gallon Ilex crenata - Hetzi Japanese Holly .....	23.90	
32 93 33 00-0316	EA	3	Gallon Ilex crenata - Hetzi Japanese Holly .....	28.79	
32 93 33 00-0317	EA	2'	To 3' Ilex crenata - Hetzi Japanese Holly .....	57.93	
32 93 33 00-0318	EA	3'	To 4' Ilex crenata - Hetzi Japanese Holly .....	77.28	
32 93 33 00-0319	EA	2'	To 3' Ilex opaca - American Holly .....	77.28	
32 93 33 00-0320	EA	3'	To 4' Ilex opaca - American Holly .....	127.92	
32 93 33 00-0321	EA	4'	To 5' Ilex opaca - American Holly .....	164.11	
32 93 33 00-0322	EA	5'	To 6' Ilex opaca - American Holly .....	197.91	
32 93 33 00-0323	EA	6'	To 7' Ilex opaca - American Holly .....	277.58	
32 93 33 00-0324	EA	7'	To 8' Ilex opaca - American Holly .....	386.26	
32 93 33 00-0325	EA	8'	To 10' Ilex opaca - American Holly .....	555.15	
32 93 33 00-0326	EA	10'	To 12' Ilex opaca - American Holly .....	844.91	
32 93 33 00-0327	EA	12'	To 14' Ilex opaca - American Holly .....	1,025.86	
32 93 33 00-0328	EA	14'	To 16' Ilex opaca - American Holly .....	1,267.25	
32 93 33 00-0329	EA	2'	To 3' Ilex verticillata - Winterberry (Female) .....	77.28	
32 93 33 00-0330	EA	3'	To 4' Ilex verticillata - Winterberry (Female) .....	101.40	
32 93 33 00-0331	EA	2'	To 3' Ilex verticillata - Winterberry (Male) .....	62.71	
32 93 33 00-0332	EA	3'	To 4' Ilex verticillata - Winterberry (Male) .....	86.95	
32 93 33 00-0333	EA	4'	To 5' Ilex verticillata - Winterberry (Male) .....	101.40	
32 93 33 00-0334	EA	1	Gallon Ilex vomitoria - Yaupon Holly .....	10.24	
32 93 33 00-0335	EA	3	Gallon Ilex vomitoria - Yaupon Holly .....	20.60	
32 93 33 00-0336	EA	10	Gallon Ilex vomitoria - Yaupon Holly .....	72.38	
32 93 33 00-0337	EA	18"	Balled and Burlapped, Ilex glabra compacta & cvs - Compact Inkberry Holly .....	32.84	
32 93 33 00-0338	EA	24"	Balled and Burlapped, Ilex glabra compacta & cvs - Compact Inkberry Holly .....	37.08	
32 93 33 00-0339	EA	3	Gallon Ilex meserveae & cvs - Blue Holly .....	42.38	
32 93 33 00-0340	EA	18"	Balled and Burlapped, Ilex meserveae & cvs - Blue Holly .....	39.20	
32 93 33 00-0341	EA	24"	Balled and Burlapped, Ilex meserveae & cvs - Blue Holly .....	47.67	
32 93 33 00-0342	EA	5	Gallon Ilex verticillata & cvs - Common Winterberry .....	34.96	
32 93 33 00-0343	EA	24"	Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry .....	34.96	
32 93 33 00-0344	EA	30"	Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry .....	37.08	
32 93 33 00-0345	EA	36"	Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry .....	44.49	
32 93 33 00-0346	EA	42"	Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry .....	49.79	
32 93 33 00-0347	EA	48"	Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry .....	52.97	
32 93 33 00-0348	EA	60"	Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry .....	67.80	
32 93 33 00-0349	EA	4'	To 5' Ilex x attenuata "Foster" - Holly .....	125.53	
32 93 33 00-0350	EA	5'	To 6' Ilex x attenuata "Foster" - Holly .....	166.50	
32 93 33 00-0351	EA	6'	To 7' Ilex x attenuata "Foster" - Holly .....	148.97	
32 93 33 00-0352	EA	7'	To 8' Ilex x attenuata "Foster" - Holly .....	289.64	
32 93 33 00-0353	EA	1	Gallon Jasimnum - Jasmine .....	2.80	
32 93 33 00-0354	EA	3	Gallon Jasimnum - Jasmine .....	10.96	
32 93 33 00-0355	EA	3	Gallon Jasimnum - Orange Jasmine .....	8.53	
32 93 33 00-0356	EA	4'	- 5' Jasimnum - Orange Jasmine .....	97.46	
32 93 33 00-0357	EA	6'	- 7' Jasimnum - Orange Jasmine .....	194.93	
32 93 33 00-0358	EA	8'	- 10' Jasimnum - Orange Jasmine .....	263.15	
32 93 33 00-0359	EA	3	Gallon Juniperus chinensis cvs - Chinese Juniper .....	37.08	
32 93 33 00-0360	EA	5	Gallon Juniperus chinensis cvs - Chinese Juniper .....	41.32	
32 93 33 00-0361	EA	18"	Balled and Burlapped, Juniperus chinensis cvs - Chinese Juniper .....	55.09	
32 93 33 00-0362	EA	24"	Balled and Burlapped, Juniperus chinensis cvs - Chinese Juniper .....	72.04	
32 93 33 00-0363	EA	30"	Balled and Burlapped, Juniperus chinensis cvs - Chinese Juniper .....	84.75	
32 93 33 00-0364	EA	36"	Balled and Burlapped, Juniperus chinensis cvs - Chinese Juniper .....	114.41	
32 93 33 00-0365	EA	48"	Balled and Burlapped, Juniperus chinensis cvs - Chinese Juniper .....	156.79	
32 93 33 00-0366	EA	1	Gallon Juniperus horizontalis cvs - Creeping Juniper .....	17.67	
32 93 33 00-0367	EA	3	Gallon Juniperus horizontalis cvs - Creeping Juniper .....	37.08	
32 93 33 00-0368	EA	5	Gallon Juniperus horizontalis cvs - Creeping Juniper .....	41.32	
32 93 33 00-0369	EA	15"	Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper .....	44.49	
32 93 33 00-0370	EA	18"	Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper .....	48.73	
32 93 33 00-0371	EA	24"	Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper .....	59.33	
32 93 33 00-0372	EA	30"	Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper .....	72.04	
32 93 33 00-0373	EA	3	Gallon Juniperus procumbens cvs - Japanese Garden Juniper .....	28.60	
32 93 33 00-0374	EA	18"	Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper .....	33.90	
32 93 33 00-0375	EA	24"	Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper .....	46.61	
32 93 33 00-0376	EA	30"	Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper .....	59.33	
32 93 33 00-0377	EA	36"	Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper .....	72.04	
32 93 33 00-0378	EA	3	Gallon Juniperus sabina cvs - Savin Juniper .....	26.48	
32 93 33 00-0379	EA	5	Gallon Juniperus sabina cvs - Savin Juniper .....	31.78	
32 93 33 00-0380	EA	4	Gallon Juniperus virginiana cvs - Red Cedar Juniper .....	27.54	
32 93 33 00-0381	EA	36"	Balled and Burlapped, Juniperus virginiana cvs - Red Cedar Juniper .....	52.97	
32 93 33 00-0382	EA	48"	Balled and Burlapped, Juniperus virginiana cvs - Red Cedar Juniper .....	82.63	
32 93 33 00-0383	EA	60"	Balled and Burlapped, Juniperus virginiana cvs - Red Cedar Juniper .....	103.82	
32 93 33 00-0384	EA	15'	To 18" Kalmia latifolia - Mountain Laurel .....	43.47	
32 93 33 00-0385	EA	18'	To 24" Kalmia latifolia - Mountain Laurel .....	57.93	
32 93 33 00-0386	EA	2'	To 3' Kalmia latifolia - Mountain Laurel .....	84.45	
32 93 33 00-0387	EA	4'	To 5' Kalmia latifolia - Mountain Laurel .....	154.44	
32 93 33 00-0388	EA	5'	To 6' Kalmia latifolia - Mountain Laurel .....	236.61	
32 93 33 00-0389	EA	6'	To 8' Kalmia latifolia - Mountain Laurel .....	362.14	
32 93 33 00-0390	EA	1	Gallon Kerria japonica - Kerria .....	9.67	
32 93 33 00-0391	EA	5	Gallon Kerria japonica - Kerria .....	30.27	
32 93 33 00-0392	EA	24"	Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush .....	30.72	
32 93 33 00-0393	EA	30"	Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush .....	34.96	
32 93 33 00-0394	EA	36"	Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush .....	38.14	
32 93 33 00-0395	EA	42"	Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush .....	44.49	
32 93 33 00-0396	EA	48"	Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush .....	50.85	
32 93 33 00-0397	EA	60"	Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush .....	63.56	
32 93 33 00-0398	EA	1	Gallon Lagerstroemia indica - Crape Myrtle .....	7.28	
32 93 33 00-0399	EA	5	Gallon Lagerstroemia indica - Crape Myrtle .....	25.95	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0400	EA	3'	To 4' Lagerstroemia indica - Crape Myrtle	36.19	
32 93 33 00-0401	EA	4'	To 5' Lagerstroemia indica - Crape Myrtle	53.15	
32 93 33 00-0402	EA	5'	To 6' Lagerstroemia indica - Crape Myrtle	84.45	
32 93 33 00-0403	EA	7'	To 8' Lagerstroemia indica - Crape Myrtle	109.65	
32 93 33 00-0404	EA	9'	To 10' Lagerstroemia indica - Crape Myrtle	146.20	
32 93 33 00-0405	EA	11'	To 12' Lagerstroemia indica - Crape Myrtle	304.58	
32 93 33 00-0406	EA	1	Gallon Leucothoe axillaris - Coast Leucothoe	10.93	
32 93 33 00-0407	EA	2	Gallon Leucothoe axillaris - Coast Leucothoe	23.90	
32 93 33 00-0408	EA	3	Gallon Leucothoe axillaris - Coast Leucothoe	28.79	
32 93 33 00-0409	EA	1	Gallon Ligustrum lucidum - Glossy Privet	6.72	
32 93 33 00-0410	EA	5	Gallon Ligustrum lucidum - Glossy Privet	20.60	
32 93 33 00-0411	EA	15	Gallon Ligustrum lucidum - Glossy Privet	96.51	
32 93 33 00-0412	EA	1	Gallon Ligustrum sinense - Variegated Chinese Privet	6.72	
32 93 33 00-0413	EA	2	Gallon Ligustrum sinense - Variegated Chinese Privet	14.45	
32 93 33 00-0414	EA	3	Gallon Ligustrum sinense - Variegated Chinese Privet	18.78	
32 93 33 00-0415	EA	36"	Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	31.78	
32 93 33 00-0416	EA	48"	Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	46.61	
32 93 33 00-0417	EA	60"	Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	59.33	
32 93 33 00-0418	EA	72"	Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	67.80	
32 93 33 00-0419	EA	5	Gallon Lindera benzoin - Spicebush	34.96	
32 93 33 00-0420	EA	36"	Balled and Burlapped, Lindera benzoin - Spicebush	29.66	
32 93 33 00-0421	EA	48"	Balled and Burlapped, Lindera benzoin - Spicebush	36.02	
32 93 33 00-0422	EA	2'	To 3' Lonicera fragrantissima - Winter Honeysuckle	57.93	
32 93 33 00-0423	EA	3'	To 4' Lonicera fragrantissima - Winter Honeysuckle	69.99	
32 93 33 00-0424	EA	30"	Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle	31.78	
32 93 33 00-0425	EA	36"	Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle	38.14	
32 93 33 00-0426	EA	42"	Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle	42.38	
32 93 33 00-0427	EA	48"	Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle	46.61	
32 93 33 00-0428	EA	1	Gallon Myrica cerifera - Wax Myrtle	6.09	
32 93 33 00-0429	EA	4	Gallon Myrica cerifera - Wax Myrtle	19.49	
32 93 33 00-0430	EA	7	Gallon Myrica cerifera - Wax Myrtle	42.64	
32 93 33 00-0431	EA	10	Gallon Myrica cerifera - Wax Myrtle	63.35	
32 93 33 00-0432	EA	15	Gallon Myrica cerifera - Wax Myrtle	97.46	
32 93 33 00-0433	EA	45	Gallon Myrica cerifera - Wax Myrtle	292.39	
32 93 33 00-0434	EA	1'	- 2' Myrica cerifera - Wax Myrtle	8.53	
32 93 33 00-0435	EA	3'	- 4' Myrica cerifera - Wax Myrtle	29.24	
32 93 33 00-0436	EA	5'	- 6' Myrica cerifera - Wax Myrtle	53.61	
32 93 33 00-0437	EA	7'	- 8' Myrica cerifera - Wax Myrtle	73.10	
32 93 33 00-0438	EA	9'	- 10' Myrica cerifera - Wax Myrtle	97.46	
32 93 33 00-0439	EA	11'	- 12' Myrica cerifera - Wax Myrtle	148.63	
32 93 33 00-0440	EA	3	Gallon Myrica pensylvanica - Northern Bayberry	31.78	
32 93 33 00-0441	EA	24"	Balled and Burlapped, Myrica pensylvanica - Northern Bayberry	51.91	
32 93 33 00-0442	EA	30"	Balled and Burlapped, Myrica pensylvanica - Northern Bayberry	76.28	
32 93 33 00-0443	EA	36"	Balled and Burlapped, Myrica pensylvanica - Northern Bayberry	91.11	
32 93 33 00-0444	EA	48"	Balled and Burlapped, Myrica pensylvanica - Northern Bayberry	95.35	
32 93 33 00-0445	EA	1	Gallon Myoporum laetum 'Carsonii' Multi - Coast Myoporum	7.53	
32 93 33 00-0446	EA	5	Gallon Myoporum laetum 'Carsonii' Multi - Coast Myoporum	18.63	
32 93 33 00-0447	EA	15	Gallon Myoporum laetum 'Carsonii' Multi - Coast Myoporum	73.97	
32 93 33 00-0448	EA	1	Gallon Nandina domestica - Heavenly Bamboo	10.93	
32 93 33 00-0449	EA	2	Gallon Nandina domestica - Heavenly Bamboo	23.90	
32 93 33 00-0450	EA	5	Gallon Nandina domestica - Heavenly Bamboo	36.19	
32 93 33 00-0451	EA	15	Gallon Nerium oleander - Oleander	80.93	
32 93 33 00-0452	EA	24"	Box Nerium oleander - Oleander	290.84	
32 93 33 00-0453	EA	1	Gallon Osmanthus fragrans - Fragrant Tea Olive	6.72	
32 93 33 00-0454	EA	3	Gallon Osmanthus fragrans - Fragrant Tea Olive	18.21	
32 93 33 00-0455	EA	1	Gallon Philadelphus - Evergreen Mockorange	9.33	
32 93 33 00-0456	EA	5	Gallon Philadelphus - Evergreen Mockorange	30.27	
32 93 33 00-0457	EA	36"	Balled and Burlapped, Philadelphus x virginialis & cvs - Mockorange	31.78	
32 93 33 00-0458	EA	42"	Balled and Burlapped, Philadelphus x virginialis & cvs - Mockorange	37.08	
32 93 33 00-0459	EA	48"	Balled and Burlapped, Philadelphus x virginialis & cvs - Mockorange	42.38	
32 93 33 00-0460	EA	1	Gallon Photinia fraseri - Red-Tipped Photinia	7.53	
32 93 33 00-0461	EA	5	Gallon Photinia fraseri - Red-Tipped Photinia	18.63	
32 93 33 00-0462	EA	15	Gallon Photinia fraseri - Red-Tipped Photinia	73.97	
32 93 33 00-0463	EA	1	Gallon Phormium tenax - New Zealand Flax	7.94	
32 93 33 00-0464	EA	5	Gallon Phormium tenax - New Zealand Flax	19.04	
32 93 33 00-0465	EA	15	Gallon Phormium tenax - New Zealand Flax	80.93	
32 93 33 00-0466	EA	24"	Balled and Burlapped, Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark	31.78	
32 93 33 00-0467	EA	30"	Balled and Burlapped, Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark	37.08	
32 93 33 00-0468	EA	36"	Balled and Burlapped, Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark	42.38	
32 93 33 00-0469	EA	42"	Balled and Burlapped, Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark	52.97	
32 93 33 00-0470	EA	48"	Balled and Burlapped, Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark	63.56	
32 93 33 00-0471	EA	12'	To 15' Spread Pieris - Mountain Andromeda	29.25	
32 93 33 00-0472	EA	15'	To 18' Spread Pieris - Mountain Andromeda	62.71	
32 93 33 00-0473	EA	12'	To 15' Pieris japonica - Japanese Andromeda	38.01	
32 93 33 00-0474	EA	15'	To 18' Pieris japonica - Japanese Andromeda	43.47	
32 93 33 00-0475	EA	18'	To 24' Pieris japonica - Japanese Andromeda	54.40	
32 93 33 00-0476	EA	2'	To 2-1/2' Pieris japonica - Japanese Andromeda	77.28	
32 93 33 00-0477	EA	2-1/2'	To 3' Pieris japonica - Japanese Andromeda	91.73	
32 93 33 00-0478	EA	24"	Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	32.61	
32 93 33 00-0479	EA	30"	Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	41.74	
32 93 33 00-0480	EA	36"	Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	50.22	
32 93 33 00-0481	EA	48"	Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	64.57	
32 93 33 00-0482	EA	60"	Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	77.61	
32 93 33 00-0483	EA	72"	Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	113.49	
32 93 33 00-0484	EA	30"	Balled and Burlapped, Pinus mugo compacta - Dwarf Mugo Pine	70.44	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

32 93 33 00-0485	EA	36" Balled and Burlapped, Pinus mugo compacta - Dwarf Mugo Pine	84.79
32 93 33 00-0486	EA	48" Balled and Burlapped, Pinus mugo compacta - Dwarf Mugo Pine	112.83
32 93 33 00-0487	EA	1 Gallon Pittosporum - Pittosporum	4.02
32 93 33 00-0488	EA	3 Gallon Pittosporum - Pittosporum	10.36
32 93 33 00-0489	EA	1 Gallon Pittosporum - Varigated Pittosporum	4.02
32 93 33 00-0490	EA	3 Gallon Pittosporum - Varigated Pittosporum	10.36
32 93 33 00-0491	EA	5 Gallon Pittosporum - Varigated Pittosporum	18.15
32 93 33 00-0492	EA	1 Gallon Pittosporum eugenioides - Lemonwood	8.65
32 93 33 00-0493	EA	5 Gallon Pittosporum eugenioides - Lemonwood	20.50
32 93 33 00-0494	EA	1 Gallon Pittosporum tobira - Japanese Pittosporum	7.53
32 93 33 00-0495	EA	5 Gallon Pittosporum tobira - Japanese Pittosporum	18.63
32 93 33 00-0496	EA	15 Gallon Pittosporum tobira - Japanese Pittosporum	73.97
32 93 33 00-0497	EA	2 Gallon Potentilla fruticosa & cvs - Bush Cinquefoil	18.01
32 93 33 00-0498	EA	5 Gallon Potentilla fruticosa & cvs - Bush Cinquefoil	25.43
32 93 33 00-0499	EA	18" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil	19.07
32 93 33 00-0500	EA	24" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil	21.19
32 93 33 00-0501	EA	30" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil	30.72
32 93 33 00-0502	EA	36" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil	35.49
32 93 33 00-0503	EA	1 Gallon Prunus caroliniana - Carolina Cherry Laurel	4.48
32 93 33 00-0504	EA	5 Gallon Prunus caroliniana - Carolina Cherry Laurel	11.21
32 93 33 00-0505	EA	15 Gallon Prunus caroliniana - Carolina Cherry Laurel	66.84
32 93 33 00-0506	EA	15" To 18" Prunus laurocerasus - Cherry Laurel	17.10
32 93 33 00-0507	EA	18" To 24" Prunus laurocerasus - Cherry Laurel	21.16
32 93 33 00-0508	EA	24" To 30" Prunus laurocerasus - Cherry Laurel	27.54
32 93 33 00-0509	EA	15" To 18" Prunus triloba - Double White Flowering Almond	15.27
32 93 33 00-0510	EA	18" To 24" Prunus triloba - Double White Flowering Almond	19.55
32 93 33 00-0511	EA	3' To 4' Prunus triloba - Double White Flowering Almond	31.18
32 93 33 00-0512	EA	4' To 6' Prunus triloba - Double White Flowering Almond	62.43
32 93 33 00-0513	EA	5 Gallon Prunus triloba - Pink Flowering Almond	18.78
32 93 33 00-0514	EA	18" To 24" Prunus triloba - Pink Flowering Almond	21.09
32 93 33 00-0515	EA	2' To 3' Prunus triloba - Pink Flowering Almond	24.52
32 93 33 00-0516	EA	2' To 3' Prunus virginiana - Brilliant Chokeberry	16.68
32 93 33 00-0517	EA	3' To 4' Prunus virginiana - Brilliant Chokeberry	20.46
32 93 33 00-0518	EA	4' To 5' Prunus virginiana - Brilliant Chokeberry	24.52
32 93 33 00-0519	EA	5' To 6' Prunus virginiana - Brilliant Chokeberry	28.10
32 93 33 00-0520	EA	1 Gallon Punica granatum - Dwarf Pomegranate	7.17
32 93 33 00-0521	EA	3 Gallon Punica granatum - Dwarf Pomegranate	21.17
32 93 33 00-0522	EA	7 Gallon Punica granatum - Dwarf Pomegranate	43.47
32 93 33 00-0523	EA	1 Gallon Pyracantha koidzumi "Santa Cruz" - Pyracantha	9.10
32 93 33 00-0524	EA	5 Gallon Pyracantha koidzumi "Santa Cruz" - Pyracantha	30.27
32 93 33 00-0525	EA	5 Gallon Espalier Pyracantha koidzumi "Santa Cruz" - Pyracantha	62.71
32 93 33 00-0526	EA	1 Gallon Ralphialepis indica - Indian Hawthorne	7.28
32 93 33 00-0527	EA	2 Gallon Ralphialepis indica - Indian Hawthorne	13.88
32 93 33 00-0528	EA	5 Gallon Ralphialepis indica - Indian Hawthorne	24.70
32 93 33 00-0529	EA	1 Gallon Rhamnus californica - Coffeeberry	11.07
32 93 33 00-0530	EA	5 Gallon Rhamnus californica - Coffeeberry	31.66
32 93 33 00-0531	EA	15 Gallon Rhamnus californica - Coffeeberry	95.01
32 93 33 00-0532	EA	4' To 5' Rhamnus frangula "Columnaris" - Tallhedge	55.54
32 93 33 00-0533	EA	5' To 6' Rhamnus frangula "Columnaris" - Tallhedge	76.14
32 93 33 00-0534	EA	6' To 8' Rhamnus frangula "Columnaris" - Tallhedge	99.01
32 93 33 00-0535	EA	10' To 12' Rhamnus frangula "Columnaris" - Tallhedge	181.07
32 93 33 00-0536	EA	1 Gallon Ralphialepis indica 'Ballerina' - Ballerina Indian Hawthorn	8.02
32 93 33 00-0537	EA	5 Gallon Ralphialepis indica 'Ballerina' - Ballerina Indian Hawthorn	19.04
32 93 33 00-0538	EA	15 Gallon Ralphialepis indica 'Ballerina' - Ballerina Indian Hawthorn	80.93
32 93 33 00-0539	EA	1 Gallon Rhododendron - Azalea Evergreen Hybrids	11.84
32 93 33 00-0540	EA	2 Gallon Rhododendron - Azalea Evergreen Hybrids	23.90
32 93 33 00-0541	EA	3 Gallon Rhododendron - Azalea Evergreen Hybrids	31.18
32 93 33 00-0542	EA	5 Gallon Rhododendron - Azalea Evergreen Hybrids	36.19
32 93 33 00-0543	EA	15" To 18" Rhododendron - Azalea Evergreen Hybrids	42.34
32 93 33 00-0544	EA	18" To 24" Rhododendron - Azalea Evergreen Hybrids	53.15
32 93 33 00-0545	EA	2' To 2-1/2' Rhododendron - Azalea Evergreen Hybrids	77.28
32 93 33 00-0546	EA	2-1/2' To 3' Rhododendron - Azalea Evergreen Hybrids	108.57
32 93 33 00-0547	EA	1 Gallon Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	13.32
32 93 33 00-0548	EA	2 Gallon Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	23.90
32 93 33 00-0549	EA	15' To 18' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	41.08
32 93 33 00-0550	EA	18" To 24" Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	53.15
32 93 33 00-0551	EA	2' To 3' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	77.28
32 93 33 00-0552	EA	3' To 4' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	113.47
32 93 33 00-0553	EA	4' To 5' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	152.05
32 93 33 00-0554	EA	5 Gallon Rhododendron - Boxleaf Azara	30.27
32 93 33 00-0555	EA	15 Gallon Rhododendron - Boxleaf Azara	108.57
32 93 33 00-0556	EA	15" To 18" Rhododendron - Carolina Rhododendron	34.26
32 93 33 00-0557	EA	18" To 24" Rhododendron - Carolina Rhododendron	60.32
32 93 33 00-0558	EA	24" To 30" Rhododendron - Carolina Rhododendron	89.34
32 93 33 00-0559	EA	2' To 3' Rhododendron - Five-leafed Azalea	40.63
32 93 33 00-0560	EA	3' To 4' Rhododendron - Five-leafed Azalea	53.15
32 93 33 00-0561	EA	4' To 5' Rhododendron - Five-leafed Azalea	69.99
32 93 33 00-0562	EA	15" To 18" Rhododendron - Ghent Azalea	40.63
32 93 33 00-0563	EA	18" To 24" Rhododendron - Ghent Azalea	50.64
32 93 33 00-0564	EA	2' To 3' Rhododendron - Ghent Azalea	82.06
32 93 33 00-0565	EA	3' To 4' Rhododendron - Ghent Azalea	113.47
32 93 33 00-0566	EA	4' To 5' Rhododendron - Ghent Azalea	152.05
32 93 33 00-0567	EA	5' To 6' Rhododendron - Ghent Azalea	202.81
32 93 33 00-0568	EA	1 Gallon Rhododendron - Hybrid Rhododendron	13.32
32 93 33 00-0569	EA	2 Gallon Rhododendron - Hybrid Rhododendron	28.79

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0570	EA	3	Gallon Rhododendron - Hybrid Rhododendron.....	40.86	
32 93 33 00-0571	EA	5	Gallon Rhododendron - Hybrid Rhododendron.....	45.64	
32 93 33 00-0572	EA	15"	To 18" Rhododendron - Hybrid Rhododendron.....	38.58	
32 93 33 00-0573	EA	18"	To 24" Rhododendron - Hybrid Rhododendron.....	53.15	
32 93 33 00-0574	EA	24"	To 30" Rhododendron - Hybrid Rhododendron.....	72.38	
32 93 33 00-0575	EA	30"	To 36" Rhododendron - Hybrid Rhododendron.....	84.45	
32 93 33 00-0576	EA	36"	To 42" Rhododendron - Hybrid Rhododendron.....	120.75	
32 93 33 00-0577	EA	42"	To 48" Rhododendron - Hybrid Rhododendron.....	149.66	
32 93 33 00-0578	EA	15"	To 18" Rhododendron - Pjm Rhododendron.....	43.47	
32 93 33 00-0579	EA	18"	To 24" Rhododendron - Pjm Rhododendron.....	53.15	
32 93 33 00-0580	EA	2'	To 2-1/2' Rhododendron - Pjm Rhododendron.....	77.28	
32 93 33 00-0581	EA	2-1/2'	To 3' Rhododendron - Pjm Rhododendron.....	99.01	
32 93 33 00-0582	EA	3'	To 3-1/2' Rhododendron - Pjm Rhododendron.....	120.75	
32 93 33 00-0583	EA	12"	To 15" Rhododendron - Torch Azalea.....	33.80	
32 93 33 00-0584	EA	15"	To 18" Rhododendron - Torch Azalea.....	40.63	
32 93 33 00-0585	EA	18"	To 24" Rhododendron - Torch Azalea.....	50.64	
32 93 33 00-0586	EA	2'	To 3' Rhododendron - Torch Azalea.....	84.45	
32 93 33 00-0587	EA	3	Gallon Rhododendron cvs - Lepidote Rhododendron.....	38.14	
32 93 33 00-0588	EA	5	Gallon Rhododendron cvs - Lepidote Rhododendron.....	46.61	
32 93 33 00-0589	EA	18"	Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron.....	57.21	
32 93 33 00-0590	EA	24"	Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron.....	72.04	
32 93 33 00-0591	EA	30"	Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron.....	84.75	
32 93 33 00-0592	EA	36"	Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron.....	101.70	
32 93 33 00-0593	EA	1	Gallon Rhus glabra - Dwarf Smooth Sumac.....	10.93	
32 93 33 00-0594	EA	5	Gallon Rhus glabra - Dwarf Smooth Sumac.....	30.27	
32 93 33 00-0595	EA	2	Gallon Rhus aromatica & cvs - Fragrant Sumac.....	25.43	
32 93 33 00-0596	EA	5	Gallon Rhus aromatica & cvs - Fragrant Sumac.....	34.96	
32 93 33 00-0597	EA	18"	Balled and Burlapped, Rhus aromatica & cvs - Fragrant Sumac.....	40.26	
32 93 33 00-0598	EA	24"	Balled and Burlapped, Rhus aromatica & cvs - Fragrant Sumac.....	52.97	
32 93 33 00-0599	EA	36"	Balled and Burlapped, Rhus glabra - Smooth Sumac.....	31.78	
32 93 33 00-0600	EA	48"	Balled and Burlapped, Rhus typhina & cvs - Staghorn Sumac.....	52.97	
32 93 33 00-0601	EA	72"	Balled and Burlapped, Rhus typhina & cvs - Staghorn Sumac.....	84.75	
32 93 33 00-0602	EA	15"	Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant.....	28.60	
32 93 33 00-0603	EA	18"	Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant.....	32.84	
32 93 33 00-0604	EA	24"	Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant.....	47.67	
32 93 33 00-0605	EA	30"	Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant.....	63.56	
32 93 33 00-0606	EA	1	Gallon Rosa hybrids & cvs - Shrub Rose.....	17.48	
32 93 33 00-0607	EA	2	Gallon Rosa hybrids & cvs - Shrub Rose.....	21.19	
32 93 33 00-0608	EA	3	Gallon Rosa hybrids & cvs - Shrub Rose.....	26.48	
32 93 33 00-0609	EA	2	Gallon Rosa rugosa & cvs - Rugosa Rose.....	19.07	
32 93 33 00-0610	EA	3	Gallon Rosa rugosa & cvs - Rugosa Rose.....	24.37	
32 93 33 00-0611	EA	5	Gallon Sambucus canadensis - American Elder.....	34.96	
32 93 33 00-0612	EA	1	Gallon Santolina chamaecyparissus - Lavender Cotton.....	7.53	
32 93 33 00-0613	EA	5	Gallon Santolina chamaecyparissus - Lavender Cotton.....	18.63	
32 93 33 00-0614	EA	1	Gallon Santolina rosmarinifolia - Green Lavender Cotton.....	7.53	
32 93 33 00-0615	EA	5	Gallon Santolina rosmarinifolia - Green Lavender Cotton.....	18.63	
32 93 33 00-0616	EA	2	Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca.....	15.71	
32 93 33 00-0617	EA	3	Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca.....	22.99	
32 93 33 00-0618	EA	1	Gallon Sarcococca humilis - Fragrant Sarcococca.....	8.54	
32 93 33 00-0619	EA	5	Gallon Sarcococca humilis - Fragrant Sarcococca.....	22.31	
32 93 33 00-0620	EA	5	Gallon Senna artemisioides - Feathery Cassia.....	20.81	
32 93 33 00-0621	EA	15	Gallon Senna artemisioides - Feathery Cassia.....	82.81	
32 93 33 00-0622	EA	24"	Box Senna artemisioides - Feathery Cassia.....	260.14	
32 93 33 00-0623	EA	1	Gallon Skimmia japonica - Japanese Skimmia.....	10.93	
32 93 33 00-0624	EA	2	Gallon Skimmia japonica - Japanese Skimmia.....	21.74	
32 93 33 00-0625	EA	5	Gallon Skimmia japonica - Japanese Skimmia.....	35.05	
32 93 33 00-0626	EA	1	Gallon Sollya fusiformis - Bluebell Creeper.....	7.53	
32 93 33 00-0627	EA	5	Gallon Sollya fusiformis - Bluebell Creeper.....	18.63	
32 93 33 00-0628	EA	3'	To 4' Spiraea - Garland Spirea.....	50.64	
32 93 33 00-0629	EA	4'	To 5' Spiraea - Garland Spirea.....	77.28	
32 93 33 00-0630	EA	5	Gallon Spiraea - Snowmound Spirea.....	30.27	
32 93 33 00-0631	EA	18"	To 24" Spiraea - Snowmound Spirea.....	24.81	
32 93 33 00-0632	EA	2'	To 3' Spiraea - Snowmound Spirea.....	35.05	
32 93 33 00-0633	EA	3'	To 4' Spiraea - Snowmound Spirea.....	40.63	
32 93 33 00-0634	EA	4'	To 5' Spiraea - Snowmound Spirea.....	69.99	
32 93 33 00-0635	EA	1	Gallon Spiraea japonica & cvs - Japanese Spirea.....	10.93	
32 93 33 00-0636	EA	2	Gallon Spiraea japonica & cvs - Japanese Spirea.....	21.51	
32 93 33 00-0637	EA	3	Gallon Spiraea japonica & cvs - Japanese Spirea.....	24.90	
32 93 33 00-0638	EA	5	Gallon Spiraea japonica & cvs - Japanese Spirea.....	27.01	
32 93 33 00-0639	EA	18"	Balled and Burlapped, Spiraea japonica & cvs - Japanese Spirea.....	27.54	
32 93 33 00-0640	EA	24"	Balled and Burlapped, Spiraea japonica & cvs - Japanese Spirea.....	31.78	
32 93 33 00-0641	EA	30"	Balled and Burlapped, Spiraea japonica & cvs - Japanese Spirea.....	36.02	
32 93 33 00-0642	EA	36"	Balled and Burlapped, Spiraea japonica & cvs - Japanese Spirea.....	41.85	
32 93 33 00-0643	EA	2	Gallon Spiraea nipponica & cvs - Nippon Spiraea.....	16.95	
32 93 33 00-0644	EA	5	Gallon Spiraea nipponica & cvs - Nippon Spiraea.....	25.43	
32 93 33 00-0645	EA	18"	Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea.....	23.31	
32 93 33 00-0646	EA	24"	Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea.....	27.54	
32 93 33 00-0647	EA	30"	Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea.....	31.78	
32 93 33 00-0648	EA	36"	Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea.....	36.02	
32 93 33 00-0649	EA	48"	Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea.....	46.61	
32 93 33 00-0650	EA	1	Gallon Spiraea x bumalda & cvs - Bumalda Spirea.....	10.93	
32 93 33 00-0651	EA	2	Gallon Spiraea x bumalda & cvs - Bumalda Spirea.....	19.60	
32 93 33 00-0652	EA	4	Gallon Spiraea x bumalda & cvs - Bumalda Spirea.....	25.43	
32 93 33 00-0653	EA	18"	Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea.....	22.25	
32 93 33 00-0654	EA	24"	Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea.....	27.01	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**
 MINOR  
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 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

32 93 33 00-0655	EA	30" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea	31.78	
32 93 33 00-0656	EA	36" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea	36.02	
32 93 33 00-0657	EA	5 Gallon Spiraea x vanhouttei & cvs - Vanhoutte Spirea	25.43	
32 93 33 00-0658	EA	18" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	25.43	
32 93 33 00-0659	EA	24" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	29.66	
32 93 33 00-0660	EA	30" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	40.26	
32 93 33 00-0661	EA	36" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	46.61	
32 93 33 00-0662	EA	42" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	55.09	
32 93 33 00-0663	EA	5 Gallon Staphylea trifolia - Bladdernut	35.77	
32 93 33 00-0664	EA	2 Gallon Stephanandra incisa & cvs - Cutleaf Stephanadra	25.43	
32 93 33 00-0665	EA	5 Gallon Stephanandra incisa & cvs - Cutleaf Stephanadra	27.54	
32 93 33 00-0666	EA	24" Balled and Burlapped, Stephanandra incisa & cvs - Cutleaf Stephanadra	31.78	
32 93 33 00-0667	EA	30" Balled and Burlapped, Stephanandra incisa & cvs - Cutleaf Stephanadra	38.14	
32 93 33 00-0668	EA	2 Gallon Symphoricarpos albus - Common Snowberry	26.48	
32 93 33 00-0669	EA	5 Gallon Symphoricarpos albus - Common Snowberry	28.07	
32 93 33 00-0670	EA	24" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac	46.61	
32 93 33 00-0671	EA	30" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac	58.27	
32 93 33 00-0672	EA	36" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac	67.80	
32 93 33 00-0673	EA	42" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac	78.39	
32 93 33 00-0674	EA	18" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac	46.61	
32 93 33 00-0675	EA	24" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac	50.85	
32 93 33 00-0676	EA	30" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac	58.27	
32 93 33 00-0677	EA	36" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac	67.80	
32 93 33 00-0678	EA	42" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac	78.39	
32 93 33 00-0679	EA	60" Balled and Burlapped, Syringa villosa & cvs - Late Lilac	37.08	
32 93 33 00-0680	EA	72" Balled and Burlapped, Syringa villosa & cvs - Late Lilac	40.26	
32 93 33 00-0681	EA	36" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac	31.78	
32 93 33 00-0682	EA	42" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac	36.02	
32 93 33 00-0683	EA	48" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac	40.26	
32 93 33 00-0684	EA	60" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac	46.61	
32 93 33 00-0685	EA	72" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac	57.21	
32 93 33 00-0686	EA	5 Gallon Syringa x chinensis & cvs - Chinese Lilac	26.48	
32 93 33 00-0687	EA	36" Balled and Burlapped, Syringa x hyacinthiflora & cvs - Hybrid Lilac	30.72	
32 93 33 00-0688	EA	48" Balled and Burlapped, Syringa x hyacinthiflora & cvs - Hybrid Lilac	40.26	
32 93 33 00-0689	EA	48" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew	168.44	
32 93 33 00-0690	EA	54" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew	188.57	
32 93 33 00-0691	EA	60" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew	207.64	
32 93 33 00-0692	EA	72" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew	250.02	
32 93 33 00-0693	EA	18" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	44.49	
32 93 33 00-0694	EA	24" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	58.27	
32 93 33 00-0695	EA	30" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	67.80	
32 93 33 00-0696	EA	36" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	74.16	
32 93 33 00-0697	EA	15" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	44.49	
32 93 33 00-0698	EA	18" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	58.27	
32 93 33 00-0699	EA	24" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	68.86	
32 93 33 00-0700	EA	30" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	81.57	
32 93 33 00-0701	EA	36" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	122.89	
32 93 33 00-0702	EA	36" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	67.80	
32 93 33 00-0703	EA	48" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	91.11	
32 93 33 00-0704	EA	60" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	137.72	
32 93 33 00-0705	EA	72" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	201.28	
32 93 33 00-0706	EA	84" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	230.95	
32 93 33 00-0707	EA	96" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	268.03	
32 93 33 00-0708	EA	15" Balled and Burlapped, Thuja occidentalis cvs - Dwarf Arborvitae	29.66	
32 93 33 00-0709	EA	18" Balled and Burlapped, Thuja occidentalis cvs - Dwarf Arborvitae	41.32	
32 93 33 00-0710	EA	24" Balled and Burlapped, Thuja occidentalis cvs - Dwarf Arborvitae	58.27	
32 93 33 00-0711	EA	3' To 4' Viburnum dilatatum - Linden Viburnum	50.64	
32 93 33 00-0712	EA	4' To 5' Viburnum dilatatum - Linden Viburnum	77.28	
32 93 33 00-0713	EA	5' To 6' Viburnum dilatatum - Linden Viburnum	101.40	
32 93 33 00-0714	EA	1 Gallon Viburnum japonicum - Japanese Viburnum	6.15	
32 93 33 00-0715	EA	3 Gallon Viburnum japonicum - Japanese Viburnum	16.84	
32 93 33 00-0716	EA	5 Gallon Viburnum plicatum - Japanese Snowball	30.27	
32 93 33 00-0717	EA	5' To 6' Viburnum plicatum - Japanese Snowball	113.47	
32 93 33 00-0718	EA	2' To 3' Viburnum rhytidophyllum - Leatherleaf Viburnum	53.15	
32 93 33 00-0719	EA	3' To 4' Viburnum rhytidophyllum - Leatherleaf Viburnum	62.71	
32 93 33 00-0720	EA	4' To 5' Viburnum rhytidophyllum - Leatherleaf Viburnum	88.20	
32 93 33 00-0721	EA	30" Balled and Burlapped, Viburnum burkwoodii & cvs - Burkwood Viburnum	58.27	
32 93 33 00-0722	EA	36" Balled and Burlapped, Viburnum burkwoodii & cvs - Burkwood Viburnum	69.92	
32 93 33 00-0723	EA	24" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum	52.97	
32 93 33 00-0724	EA	30" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum	63.56	
32 93 33 00-0725	EA	36" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum	74.16	
32 93 33 00-0726	EA	42" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum	84.75	
32 93 33 00-0727	EA	1 Gallon Viburnum davidii - David Viburnum	7.53	
32 93 33 00-0728	EA	5 Gallon Viburnum davidii - David Viburnum	18.63	
32 93 33 00-0729	EA	36" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	29.66	
32 93 33 00-0730	EA	42" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	31.78	
32 93 33 00-0731	EA	48" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	37.08	
32 93 33 00-0732	EA	60" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	42.38	
32 93 33 00-0733	EA	72" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	46.61	
32 93 33 00-0734	EA	30" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	28.60	
32 93 33 00-0735	EA	36" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	31.78	
32 93 33 00-0736	EA	42" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	40.26	
32 93 33 00-0737	EA	48" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	46.61	
32 93 33 00-0738	EA	60" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	63.56	
32 93 33 00-0739	EA	72" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	76.28	

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TOTAL DIRECT DEMOLITION  
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32 93 33 00-0740	EA	36" Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum.....	31.78	
32 93 33 00-0741	EA	48" Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum.....	42.38	
32 93 33 00-0742	EA	5' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum.....	52.97	
32 93 33 00-0743	EA	6' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum.....	74.16	
32 93 33 00-0744	EA	7' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum.....	105.94	
32 93 33 00-0745	EA	8' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum.....	148.31	
32 93 33 00-0746	EA	9' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum.....	190.69	
32 93 33 00-0747	EA	30" Balled and Burlapped, Viburnum plicatum tomentosum & cvs - Doublefile Viburnum.....	38.14	
32 93 33 00-0748	EA	36" Balled and Burlapped, Viburnum plicatum tomentosum & cvs - Doublefile Viburnum.....	42.38	
32 93 33 00-0749	EA	36" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum.....	76.28	
32 93 33 00-0750	EA	48" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum.....	116.53	
32 93 33 00-0751	EA	60" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum.....	148.31	
32 93 33 00-0752	EA	72" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum.....	180.10	
32 93 33 00-0753	EA	84" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum.....	222.47	
32 93 33 00-0754	EA	96" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum.....	264.85	
32 93 33 00-0755	EA	108" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum.....	317.82	
32 93 33 00-0756	EA	120" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum.....	370.79	
32 93 33 00-0757	EA	30" Balled and Burlapped, Viburnum sargentii & cvs - Sargent Viburnum.....	32.31	
32 93 33 00-0758	EA	36" Balled and Burlapped, Viburnum sargentii & cvs - Sargent Viburnum.....	35.49	
32 93 33 00-0759	EA	48" Balled and Burlapped, Viburnum sargentii & cvs - Sargent Viburnum.....	40.26	
32 93 33 00-0760	EA	60" Balled and Burlapped, Viburnum sargentii & cvs - Sargent Viburnum.....	46.61	
32 93 33 00-0761	EA	72" Balled and Burlapped, Viburnum sargentii & cvs - Sargent Viburnum.....	53.50	
32 93 33 00-0762	EA	18" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum.....	30.72	
32 93 33 00-0763	EA	24" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum.....	37.08	
32 93 33 00-0764	EA	30" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum.....	44.49	
32 93 33 00-0765	EA	36" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum.....	50.85	
32 93 33 00-0766	EA	42" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum.....	61.44	
32 93 33 00-0767	EA	48" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum.....	67.80	
32 93 33 00-0768	EA	30" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum.....	52.97	
32 93 33 00-0769	EA	36" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum.....	63.56	
32 93 33 00-0770	EA	42" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum.....	74.16	
32 93 33 00-0771	EA	48" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum.....	84.75	
32 93 33 00-0772	EA	60" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum.....	95.35	
32 93 33 00-0773	EA	30" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum.....	67.80	
32 93 33 00-0774	EA	36" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum.....	76.28	
32 93 33 00-0775	EA	42" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum.....	86.87	
32 93 33 00-0776	EA	48" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum.....	99.58	
32 93 33 00-0777	EA	2' To 3' Viburnum opulus "Roseum" - Fragrant Snowball.....	62.71	
32 93 33 00-0778	EA	3' To 4' Viburnum opulus "Roseum" - Fragrant Snowball.....	77.28	
32 93 33 00-0779	EA	4' To 5' Viburnum opulus "Roseum" - Fragrant Snowball.....	113.47	
32 93 33 00-0780	EA	5 Gallon Weigela florida & cvs - Old Fashioned Weigela.....	34.96	
32 93 33 00-0781	EA	24" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela.....	31.78	
32 93 33 00-0782	EA	30" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela.....	36.02	
32 93 33 00-0783	EA	36" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela.....	40.26	
32 93 33 00-0784	EA	42" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela.....	46.61	
32 93 33 00-0785	EA	48" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela.....	52.97	
32 93 33 00-0786	EA	1 Gallon Xylosma congestum - Shiny Xylosma.....	7.28	
32 93 33 00-0787	EA	5 Gallon Xylosma congestum - Shiny Xylosma.....	20.60	
32 93 33 00-0788	EA	15 Gallon Xylosma congestum - Shiny Xylosma.....	90.59	
32 93 33 00-0789	EA	1 Gallon Yucca aloifolia - Spanish Bayonet.....	6.15	
32 93 33 00-0790	EA	3 Gallon Yucca aloifolia - Spanish Bayonet.....	16.27	
32 93 33 00-0791	EA	1 Gallon Yucca filamentosa - Adams Needle.....	8.54	
32 93 33 00-0792	EA	3 Gallon Yucca filamentosa - Adams Needle.....	16.62	
32 93 33 00-0793	EA	5 Gallon Yucca filamentosa - Adams Needle.....	26.29	
32 93 33 00-0794	EA	5 Gallon Border Forsythia - Goldenbells.....	29.25	
32 93 33 00-0795	EA	2' To 3' Border Forsythia - Goldenbells.....	24.13	
32 93 33 00-0796	EA	3' To 4' Border Forsythia - Goldenbells.....	30.50	
32 93 33 00-0797	EA	4' To 5' Border Forsythia - Goldenbells.....	38.01	
32 93 33 00-0798	EA	5' To 6' Border Forsythia - Goldenbells.....	45.64	
32 93 33 00-0799	EA	6' To 8' Border Forsythia - Goldenbells.....	62.71	
32 93 33 00-0800	EA	3' Juniperus chinensis - Columnar Chinese Juniper.....	62.13	
32 93 33 00-0801	EA	4' Juniperus chinensis - Columnar Chinese Juniper.....	85.28	
32 93 33 00-0802	EA	5' Juniperus chinensis - Columnar Chinese Juniper.....	134.01	
32 93 33 00-0803	EA	6' Juniperus chinensis - Columnar Chinese Juniper.....	155.94	
32 93 33 00-0804	EA	7' Juniperus chinensis - Columnar Chinese Juniper.....	204.67	
32 93 33 00-0805	EA	2 Gallon Chrysobalanus icaco - Cocoplum Red Tip.....	12.18	
32 93 33 00-0806	EA	3 Gallon Chrysobalanus icaco - Cocoplum Red Tip.....	17.06	
32 93 33 00-0807	EA	5 Gallon Chrysobalanus icaco - Cocoplum Red Tip.....	41.30	
32 93 33 00-0808	EA	2 Gallon Chrysobalanus icaco - Cocoplum Green Tip.....	12.18	
32 93 33 00-0809	EA	3 Gallon Chrysobalanus icaco - Cocoplum Green Tip.....	17.06	

**32 93 43 Trees (32 93)**

Note: (cvs = cultivar) materials only. See CSI section 32 93 83 00-0001 for installation and planting of trees.

**32 93 43 00-0001 Deciduous Ornamental Trees (32 93 43)**

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0002	EA	6' Clump Form Acer ginnala & cvs - Amur Maple.....	340.08	
32 93 43 00-0003	EA	7' Clump Form Acer ginnala & cvs - Amur Maple.....	415.66	
32 93 43 00-0004	EA	8' Clump Form Acer ginnala & cvs - Amur Maple.....	472.34	
32 93 43 00-0005	EA	10' Clump Form Acer ginnala & cvs - Amur Maple.....	547.91	
32 93 43 00-0006	EA	12' Clump Form Acer ginnala & cvs - Amur Maple.....	623.48	
32 93 43 00-0007	EA	14' Clump Form Acer ginnala & cvs - Amur Maple.....	736.85	
32 93 43 00-0008	EA	1-1/2" To 2" Caliper Acer griseum - Paperbark Maple.....	208.83	
32 93 43 00-0009	EA	2" To 2-1/2" Caliper Acer griseum - Paperbark Maple.....	1,209.18	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0010	EA	2-1/2" To 3" Caliper Acer griseum - Paperbark Maple .....	1,511.48	
32 93 43 00-0011	EA	5' Clump Form Acer griseum - Paperbark Maple .....	302.30	
32 93 43 00-0012	EA	1-1/2" Caliper Aesculus californica - California Buckeye.....	755.74	
32 93 43 00-0013	EA	2" Caliper Aesculus californica - California Buckeye.....	982.46	
32 93 43 00-0014	EA	2-1/2" Caliper Aesculus californica - California Buckeye.....	1,133.61	
32 93 43 00-0015	EA	3" Caliper Aesculus californica - California Buckeye.....	1,284.76	
32 93 43 00-0016	EA	3-1/2" Caliper Aesculus californica - California Buckeye.....	1,511.48	
32 93 43 00-0017	EA	36" Balled and Burlapped, Amelanchier alnifolia & cvs - Saskatoon Serviceberry.....	84.75	
32 93 43 00-0018	EA	48" Balled and Burlapped, Amelanchier alnifolia & cvs - Saskatoon Serviceberry.....	105.94	
32 93 43 00-0019	EA	60" Balled and Burlapped, Amelanchier alnifolia & cvs - Saskatoon Serviceberry.....	131.36	
32 93 43 00-0020	EA	60" Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry .....	105.94	
32 93 43 00-0021	EA	72" Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry .....	127.13	
32 93 43 00-0022	EA	7' Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry .....	148.31	
32 93 43 00-0023	EA	8' Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry .....	169.50	
32 93 43 00-0024	EA	5' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry .....	190.69	
32 93 43 00-0025	EA	6' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry .....	211.88	
32 93 43 00-0026	EA	7' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry .....	243.66	
32 93 43 00-0027	EA	8' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry .....	275.44	
32 93 43 00-0028	EA	9' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry .....	317.82	
32 93 43 00-0029	EA	1-1/2" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry .....	377.87	
32 93 43 00-0030	EA	2" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry.....	529.02	
32 93 43 00-0031	EA	2-1/2" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry .....	566.80	
32 93 43 00-0032	EA	3" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry.....	661.27	
32 93 43 00-0033	EA	6' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry .....	472.34	
32 93 43 00-0034	EA	7' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry .....	566.80	
32 93 43 00-0035	EA	8' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry .....	661.27	
32 93 43 00-0036	EA	10' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry.....	755.74	
32 93 43 00-0037	EA	12' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry .....	850.21	
32 93 43 00-0038	EA	14' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry .....	944.67	
32 93 43 00-0039	EA	7' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry .....	243.66	
32 93 43 00-0040	EA	8' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry .....	286.04	
32 93 43 00-0041	EA	9' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry .....	328.41	
32 93 43 00-0042	EA	10' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry .....	360.19	
32 93 43 00-0043	EA	30" Balled and Burlapped, Amelanchier stolonifera & cvs - Running Serviceberry.....	84.75	
32 93 43 00-0044	EA	48" Balled and Burlapped, Amelanchier stolonifera & cvs - Running Serviceberry.....	180.10	
32 93 43 00-0045	EA	60" Balled and Burlapped, Amelanchier stolonifera & cvs - Running Serviceberry.....	233.07	
32 93 43 00-0046	EA	2' To 4' Amelemchier - Juneberry .....	25.80	
32 93 43 00-0047	EA	4' To 5' Amelemchier - Juneberry .....	27.06	
32 93 43 00-0048	EA	5' To 6' Amelemchier - Juneberry .....	32.22	
32 93 43 00-0049	EA	6' To 8' Amelemchier - Juneberry .....	38.44	
32 93 43 00-0050	EA	3' Clump Form Asimina triloba - Paw-Paw.....	264.51	
32 93 43 00-0051	EA	4' Clump Form Asimina triloba - Paw-Paw.....	302.30	
32 93 43 00-0052	EA	5' Clump Form Asimina triloba - Paw-Paw.....	415.66	
32 93 43 00-0053	EA	1-1/2" Caliper Carpinus caroliniana - American Hornbeam Ironwood .....	566.80	
32 93 43 00-0054	EA	2" Caliper Carpinus caroliniana - American Hornbeam Ironwood .....	661.27	
32 93 43 00-0055	EA	2-1/2" Caliper Carpinus caroliniana - American Hornbeam Ironwood.....	850.21	
32 93 43 00-0056	EA	5' Clump Form Carpinus caroliniana - American Hornbeam Ironwood .....	340.08	
32 93 43 00-0057	EA	6' Clump Form Carpinus caroliniana - American Hornbeam Ironwood .....	415.66	
32 93 43 00-0058	EA	7' Clump Form Carpinus caroliniana - American Hornbeam Ironwood .....	566.80	
32 93 43 00-0059	EA	8' Clump Form Carpinus caroliniana - American Hornbeam Ironwood .....	661.27	
32 93 43 00-0060	EA	10' Clump Form Carpinus caroliniana - American Hornbeam Ironwood .....	793.53	
32 93 43 00-0061	EA	12' Clump Form Carpinus caroliniana - American Hornbeam Ironwood .....	963.57	
32 93 43 00-0062	EA	14' Clump Form Carpinus caroliniana - American Hornbeam Ironwood .....	1,095.82	
32 93 43 00-0063	EA	6' Cercis - American Redbud.....	211.63	
32 93 43 00-0064	EA	8' Cercis - American Redbud.....	291.15	
32 93 43 00-0065	EA	2-1/2" Caliper Cercis - American Redbud .....	599.68	
32 93 43 00-0066	EA	3" Caliper Cercis - American Redbud .....	730.04	
32 93 43 00-0067	EA	15 Gallon Cercis canadensis & cvs - Eastern Redbud.....	184.71	
32 93 43 00-0068	EA	20 Gallon Cercis canadensis & cvs - Eastern Redbud.....	230.89	
32 93 43 00-0069	EA	6' Clump Form Cercis canadensis & cvs - Eastern Redbud.....	453.44	
32 93 43 00-0070	EA	7' Clump Form Cercis canadensis & cvs - Eastern Redbud.....	623.48	
32 93 43 00-0071	EA	8' Clump Form Cercis canadensis & cvs - Eastern Redbud.....	793.53	
32 93 43 00-0072	EA	1-1/2" Caliper Cercis canadensis & cvs - Eastern Redbud .....	434.55	
32 93 43 00-0073	EA	2" Caliper Cercis canadensis & cvs - Eastern Redbud .....	510.12	
32 93 43 00-0074	EA	5' To 6' Chaenomeles - Orange Quince .....	119.35	
32 93 43 00-0075	EA	6' To 8' Chaenomeles - Orange Quince.....	149.19	
32 93 43 00-0076	EA	5' Clump Form Chionanthus virginicus - White Fringetree.....	377.87	
32 93 43 00-0077	EA	6' Clump Form Chionanthus virginicus - White Fringetree.....	472.34	
32 93 43 00-0078	EA	7' Clump Form Chionanthus virginicus - White Fringetree.....	604.59	
32 93 43 00-0079	EA	4' To 5' Cornus - Pink Or Red Flowering Dogwood.....	136.40	
32 93 43 00-0080	EA	5' To 6' Cornus - Pink Or Red Flowering Dogwood.....	170.50	
32 93 43 00-0081	EA	6' To 7' Cornus - Pink Or Red Flowering Dogwood.....	238.70	
32 93 43 00-0082	EA	7' To 8' Cornus - Pink Or Red Flowering Dogwood.....	306.90	
32 93 43 00-0083	EA	4' To 5' Cornus - White Flowering Dogwood.....	90.93	
32 93 43 00-0084	EA	5' To 6' Cornus - White Flowering Dogwood.....	136.40	
32 93 43 00-0085	EA	6' To 7' Cornus - White Flowering Dogwood.....	190.96	
32 93 43 00-0086	EA	3' To 4' Cornus kousa - Japanese Dogwood .....	90.93	
32 93 43 00-0087	EA	4' To 5' Cornus kousa - Japanese Dogwood .....	104.57	
32 93 43 00-0088	EA	5' To 6' Cornus kousa - Japanese Dogwood .....	136.40	
32 93 43 00-0089	EA	6' To 8' Cornus kousa - Japanese Dogwood .....	200.06	
32 93 43 00-0090	EA	8' To 10' Cornus kousa - Japanese Dogwood .....	272.80	
32 93 43 00-0091	EA	1-1/2" Caliper Cornus alternifolia & cvs - Pagoda Dogwood.....	434.55	
32 93 43 00-0092	EA	2" Caliper Cornus alternifolia & cvs - Pagoda Dogwood .....	529.02	
32 93 43 00-0093	EA	4' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood .....	207.83	
32 93 43 00-0094	EA	5' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood .....	264.51	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0095	EA	6' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	302.30	
32 93 43 00-0096	EA	7' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	340.08	
32 93 43 00-0097	EA	8' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	415.66	
32 93 43 00-0098	EA	4' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	207.83	
32 93 43 00-0099	EA	5' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	264.51	
32 93 43 00-0100	EA	6' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	321.19	
32 93 43 00-0101	EA	7' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	377.87	
32 93 43 00-0102	EA	8' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	529.02	
32 93 43 00-0103	EA	1-1/2" Caliper Cornus mas & cvs - Corneliancherry Dogwood	472.34	
32 93 43 00-0104	EA	2" Caliper Cornus mas & cvs - Corneliancherry Dogwood	566.80	
32 93 43 00-0105	EA	2-1/2" Caliper Cornus mas & cvs - Corneliancherry Dogwood	661.27	
32 93 43 00-0106	EA	1-1/2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	377.87	
32 93 43 00-0107	EA	2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	472.34	
32 93 43 00-0108	EA	2-1/2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	585.70	
32 93 43 00-0109	EA	3" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	661.27	
32 93 43 00-0110	EA	3-1/2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	755.74	
32 93 43 00-0111	EA	4" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	850.21	
32 93 43 00-0112	EA	6' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	377.87	
32 93 43 00-0113	EA	7' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	453.44	
32 93 43 00-0114	EA	8' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	529.02	
32 93 43 00-0115	EA	10' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	661.27	
32 93 43 00-0116	EA	12' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	850.21	
32 93 43 00-0117	EA	1-1/2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	302.30	
32 93 43 00-0118	EA	2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	340.08	
32 93 43 00-0119	EA	2-1/2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	377.87	
32 93 43 00-0120	EA	3" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	434.55	
32 93 43 00-0121	EA	3-1/2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	566.80	
32 93 43 00-0122	EA	4" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	642.38	
32 93 43 00-0123	EA	6' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	264.51	
32 93 43 00-0124	EA	7' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	321.19	
32 93 43 00-0125	EA	8' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	377.87	
32 93 43 00-0126	EA	10' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	472.34	
32 93 43 00-0127	EA	12' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	585.70	
32 93 43 00-0128	EA	14' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	699.06	
32 93 43 00-0129	EA	16' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	812.42	
32 93 43 00-0130	EA	1-1/2" Caliper Crataegus viridis - Winter King Hawthorn	302.30	
32 93 43 00-0131	EA	2" Caliper Crataegus viridis - Winter King Hawthorn	340.08	
32 93 43 00-0132	EA	2-1/2" Caliper Crataegus viridis - Winter King Hawthorn	472.34	
32 93 43 00-0133	EA	3" Caliper Crataegus viridis - Winter King Hawthorn	623.48	
32 93 43 00-0134	EA	6' Clump Form Crataegus viridis - Winter King Hawthorn	283.40	
32 93 43 00-0135	EA	7' Clump Form Crataegus viridis - Winter King Hawthorn	377.87	
32 93 43 00-0136	EA	8' Clump Form Crataegus viridis - Winter King Hawthorn	472.34	
32 93 43 00-0137	EA	10' Clump Form Crataegus viridis - Winter King Hawthorn	566.80	
32 93 43 00-0138	EA	4' Clump Form Hamamelis virginiana - Common Witchhazel	188.94	
32 93 43 00-0139	EA	5' Clump Form Hamamelis virginiana - Common Witchhazel	245.62	
32 93 43 00-0140	EA	6' Clump Form Hamamelis virginiana - Common Witchhazel	302.30	
32 93 43 00-0141	EA	7' Clump Form Hamamelis virginiana - Common Witchhazel	415.66	
32 93 43 00-0142	EA	8' Clump Form Hamamelis virginiana - Common Witchhazel	566.80	
32 93 43 00-0143	EA	1 Gallon Ilex Cassine - Casine Holly (Dahoon)	10.86	
32 93 43 00-0144	EA	5 Gallon Ilex Cassine - Casine Holly (Dahoon)	34.76	
32 93 43 00-0145	EA	4' To 5' Ilex Cassine - Casine Holly (Dahoon)	59.75	
32 93 43 00-0146	EA	6' To 7' Ilex Cassine - Casine Holly (Dahoon)	114.07	
32 93 43 00-0147	EA	8' To 9' Ilex Cassine - Casine Holly (Dahoon)	152.09	
32 93 43 00-0148	EA	10' To 12' Ilex Cassine - Casine Holly (Dahoon)	195.55	
32 93 43 00-0149	EA	2' To 3' Magnolia Virginiana - Sweetbay Magnolia	71.61	
32 93 43 00-0150	EA	3' To 4' Magnolia Virginiana - Sweetbay Magnolia	107.42	
32 93 43 00-0151	EA	4' To 5' Magnolia Virginiana - Sweetbay Magnolia	134.27	
32 93 43 00-0152	EA	5' To 6' Magnolia Virginiana - Sweetbay Magnolia	167.24	
32 93 43 00-0153	EA	4' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	283.40	
32 93 43 00-0154	EA	5' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	377.87	
32 93 43 00-0155	EA	6' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	491.23	
32 93 43 00-0156	EA	7' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	547.91	
32 93 43 00-0157	EA	9' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	736.85	
32 93 43 00-0158	EA	8' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	661.27	
32 93 43 00-0159	EA	4' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	283.40	
32 93 43 00-0160	EA	5' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	377.87	
32 93 43 00-0161	EA	6' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	491.23	
32 93 43 00-0162	EA	7' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	547.91	
32 93 43 00-0163	EA	8' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	661.27	
32 93 43 00-0164	EA	9' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	736.85	
32 93 43 00-0165	EA	4' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	283.40	
32 93 43 00-0166	EA	5' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	377.87	
32 93 43 00-0167	EA	6' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	491.23	
32 93 43 00-0168	EA	7' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	547.91	
32 93 43 00-0169	EA	8' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	661.27	
32 93 43 00-0170	EA	9' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	736.85	
32 93 43 00-0171	EA	4' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	283.40	
32 93 43 00-0172	EA	5' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	377.87	
32 93 43 00-0173	EA	6' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	491.23	
32 93 43 00-0174	EA	7' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	547.91	
32 93 43 00-0175	EA	8' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	661.27	
32 93 43 00-0176	EA	9' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	736.85	
32 93 43 00-0177	EA	4' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	283.40	
32 93 43 00-0178	EA	5' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	377.87	
32 93 43 00-0179	EA	6' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	491.23	

# 32 Exterior Improvements

## 32 90 Planting

### 32 93 Plants

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 93 43 00-0180	EA	7' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	547.91	
32 93 43 00-0181	EA	8' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	661.27	
32 93 43 00-0182	EA	9' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	736.85	
32 93 43 00-0183	EA	5 Gallon Malus - Crabapple	76.73	
32 93 43 00-0184	EA	15 Gallon Malus - Crabapple	195.65	
32 93 43 00-0185	EA	20 Gallon Malus - Crabapple	230.18	
32 93 43 00-0186	EA	1-1/2" Caliper Malus cvs - Crabapple Varieties	226.72	
32 93 43 00-0187	EA	2" Caliper Malus cvs - Crabapple Varieties	302.30	
32 93 43 00-0188	EA	2-1/2" Caliper Malus cvs - Crabapple Varieties	377.87	
32 93 43 00-0189	EA	3" Caliper Malus cvs - Crabapple Varieties	453.44	
32 93 43 00-0190	EA	3-1/2" Caliper Malus cvs - Crabapple Varieties	529.02	
32 93 43 00-0191	EA	4" Caliper Malus cvs - Crabapple Varieties	604.59	
32 93 43 00-0192	EA	6' Clump Form Malus cvs - Crabapple Varieties	340.08	
32 93 43 00-0193	EA	7' Clump Form Malus cvs - Crabapple Varieties	377.87	
32 93 43 00-0194	EA	8' Clump Form Malus cvs - Crabapple Varieties	472.34	
32 93 43 00-0195	EA	10' Clump Form Malus cvs - Crabapple Varieties	529.02	
32 93 43 00-0196	EA	12' Clump Form Malus cvs - Crabapple Varieties	680.16	
32 93 43 00-0197	EA	1-1/2" Caliper Malus dwarf cvs - Dwarf Crabapple Cultivars	377.87	
32 93 43 00-0198	EA	2" Caliper Malus dwarf cvs - Dwarf Crabapple Cultivars	472.34	
32 93 43 00-0199	EA	4' Clump Form Malus dwarf cvs - Dwarf Crabapple	283.40	
32 93 43 00-0200	EA	5' Clump Form Malus dwarf cvs - Dwarf Crabapple	358.98	
32 93 43 00-0201	EA	6' Clump Form Malus dwarf cvs - Dwarf Crabapple	434.55	
32 93 43 00-0202	EA	7' Clump Form Malus dwarf cvs - Dwarf Crabapple	491.23	
32 93 43 00-0203	EA	8' Clump Form Malus dwarf cvs - Dwarf Crabapple	547.91	
32 93 43 00-0204	EA	9' Clump Form Malus dwarf cvs - Dwarf Crabapple	604.59	
32 93 43 00-0205	EA	4' To 5' Oxydendrum arboreum - Sourwood	173.34	
32 93 43 00-0206	EA	5' To 6' Oxydendrum arboreum - Sourwood	216.68	
32 93 43 00-0207	EA	6' To 7' Oxydendrum arboreum - Sourwood	260.02	
32 93 43 00-0208	EA	7' To 8' Oxydendrum arboreum - Sourwood	303.35	
32 93 43 00-0209	EA	1 Gallon Platanus racemosa, Multi Trunk - Western Sycamore	4.99	
32 93 43 00-0210	EA	5 Gallon Platanus racemosa, Multi Trunk - Western Sycamore	21.12	
32 93 43 00-0211	EA	20 Gallon Prunus subhirtella - Flowering Cherry	265.70	
32 93 43 00-0212	EA	1-1/2" To 2" Caliper Prunus subhirtella - Flowering Cherry	274.65	
32 93 43 00-0213	EA	2" To 2-1/2" Caliper Prunus subhirtella - Flowering Cherry	343.28	
32 93 43 00-0214	EA	3-1/2" To 4" Caliper Prunus subhirtella - Flowering Cherry	716.39	
32 93 43 00-0215	EA	3" To 3-1/2" Caliper Prunus subhirtella - Flowering Cherry	552.14	
32 93 43 00-0216	EA	4" To 5" Caliper Prunus subhirtella - Flowering Cherry	1,074.59	
32 93 43 00-0217	EA	4' To 6' Prunus - Pigeon Plum	108.64	
32 93 43 00-0218	EA	8' To 10' Prunus - Pigeon Plum	369.37	
32 93 43 00-0219	EA	10' To 12' Prunus - Pigeon Plum	469.31	
32 93 43 00-0220	EA	14' To 16' Prunus - Pigeon Plum	738.74	
32 93 43 00-0221	EA	5 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	68.63	
32 93 43 00-0222	EA	15 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	187.98	
32 93 43 00-0223	EA	20 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	244.81	
32 93 43 00-0224	EA	5' To 6' Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	77.58	
32 93 43 00-0225	EA	6' To 8' Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	149.19	
32 93 43 00-0226	EA	1-1/2" To 2" Caliper Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	274.65	
32 93 43 00-0227	EA	2" To 2-1/2" Caliper Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	328.36	
32 93 43 00-0228	EA	1-1/2" To 1-3/4" Caliper Prunus subhirtella - Weeping Cherry	214.98	
32 93 43 00-0229	EA	1-1/4" To 1-1/2" Caliper Prunus subhirtella - Weeping Cherry	179.03	
32 93 43 00-0230	EA	1-3/4" To 2" Caliper Prunus subhirtella - Weeping Cherry	262.57	
32 93 43 00-0231	EA	2" To 2-1/2" Caliper Prunus subhirtella - Weeping Cherry	313.44	
32 93 43 00-0232	EA	2-1/2" To 3" Caliper Prunus subhirtella - Weeping Cherry	402.95	
32 93 43 00-0233	EA	6' To 8' Prunus yedoensis - Yoshino Cherry	155.30	
32 93 43 00-0234	EA	1-1/2" To 2" Caliper Prunus yedoensis - Yoshino Cherry	238.85	
32 93 43 00-0235	EA	2" To 2-1/2" Caliper Prunus yedoensis - Yoshino Cherry	292.41	
32 93 43 00-0236	EA	2-1/2" To 3" Caliper Prunus yedoensis - Yoshino Cherry	373.11	
32 93 43 00-0237	EA	15 Gallon Pyrus Calleryana x 'Aristocrat' - Flowering Pear	207.44	
32 93 43 00-0238	EA	20 Gallon Pyrus Calleryana x 'Aristocrat' - Flowering Pear	259.31	
32 93 43 00-0239	EA	1-1/2" To 2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	269.68	
32 93 43 00-0240	EA	2" To 2-1/2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	321.54	
32 93 43 00-0241	EA	2-1/2" To 3" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	435.63	
32 93 43 00-0242	EA	3" To 3-1/2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	570.47	
32 93 43 00-0243	EA	3-1/2" To 4" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	726.05	
32 93 43 00-0244	EA	15 Gallon Pyrus Calleryana x "Bradford" - Flowering Pear	207.44	
32 93 43 00-0245	EA	20 Gallon Pyrus Calleryana x "Bradford" - Flowering Pear	259.31	
32 93 43 00-0246	EA	1-1/2" To 2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	176.33	
32 93 43 00-0247	EA	2" To 2-1/2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	269.68	
32 93 43 00-0248	EA	2-1/2" To 3" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	321.26	
32 93 43 00-0249	EA	3" To 3-1/2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	435.63	
32 93 43 00-0250	EA	3-1/2" To 4" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	570.47	
32 93 43 00-0251	EA	1-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	377.87	
32 93 43 00-0252	EA	2" Caliper Pyrus calleryana & cvs - Callery Pear	472.34	
32 93 43 00-0253	EA	2-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	585.70	
32 93 43 00-0254	EA	3" Caliper Pyrus calleryana & cvs - Callery Pear	661.27	
32 93 43 00-0255	EA	3-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	736.85	
32 93 43 00-0256	EA	4" Caliper Pyrus calleryana & cvs - Callery Pear	944.67	
32 93 43 00-0257	EA	1 Gallon Ribes aureum - Golden Current	4.36	
32 93 43 00-0258	EA	5 Gallon Ribes aureum - Golden Current	12.48	
32 93 43 00-0259	EA	1 Gallon Ribes sanguineum - Red Flowering Currant	4.36	
32 93 43 00-0260	EA	5 Gallon Ribes sanguineum - Red Flowering Currant	12.48	
32 93 43 00-0261	EA	1 Gallon Ribes viburnifolium - Evergreen Currant	4.36	
32 93 43 00-0262	EA	5 Gallon Ribes viburnifolium - Evergreen Currant	12.48	
32 93 43 00-0263	EA	1-3/4" Caliper Sophora japonica - Japanese Pagoda	505.19	
32 93 43 00-0264	EA	2" Caliper Sophora japonica - Japanese Pagoda	568.34	

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 93 43 00-0265	EA	2-1/2" Caliper Sophora japonica - Japanese Pagoda	663.06
32 93 43 00-0266	EA	3" Caliper Sophora japonica - Japanese Pagoda	969.79
32 93 43 00-0267	EA	3-1/2" Caliper Sophora japonica - Japanese Pagoda	1,465.95
32 93 43 00-0268	EA	1-1/2" Caliper Sorbus alnifolia - Korean Mountainash	377.87
32 93 43 00-0269	EA	2" Caliper Sorbus alnifolia - Korean Mountainash	472.34
32 93 43 00-0270	EA	2-1/2" Caliper Sorbus alnifolia - Korean Mountainash	585.70
32 93 43 00-0271	EA	3" Caliper Sorbus alnifolia - Korean Mountainash	717.95
32 93 43 00-0272	EA	3-1/2" Caliper Sorbus alnifolia - Korean Mountainash	869.10
32 93 43 00-0273	EA	4" Caliper Sorbus alnifolia - Korean Mountainash	1,039.14
32 93 43 00-0274	EA	1-1/2" Caliper Syringa reticulata & cvs - Japanese Tree Lilac	491.23
32 93 43 00-0275	EA	2" Caliper Syringa reticulata & cvs - Japanese Tree Lilac	529.02
32 93 43 00-0276	EA	2-1/2" Caliper Syringa reticulata & cvs - Japanese Tree Lilac	642.38
32 93 43 00-0277	EA	4' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	302.30
32 93 43 00-0278	EA	5' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	358.98
32 93 43 00-0279	EA	6' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	415.66
32 93 43 00-0280	EA	7' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	472.34
32 93 43 00-0281	EA	8' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	547.91
32 93 43 00-0282	EA	10' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	699.06
32 93 43 00-0283	EA	12' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	793.53
32 93 43 00-0284	EA	14' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	906.89
32 93 43 00-0285	EA	5 Gallon Celtis Sinensis - Chinese Hackberry	35.65
32 93 43 00-0286	EA	15 Gallon Celtis Sinensis - Chinese Hackberry	93.98
32 93 43 00-0287	EA	24" Box Celtis Sinensis - Chinese Hackberry	307.86
32 93 43 00-0288	EA	36" Box Celtis Sinensis - Chinese Hackberry	899.27
32 93 43 00-0289	EA	5 Gallon Crataegus phaenopyrum - Washington Hawthorn	35.65
32 93 43 00-0290	EA	15 Gallon Crataegus phaenopyrum - Washington Hawthorn	93.98
32 93 43 00-0291	EA	24" Box Crataegus phaenopyrum - Washington Hawthorn	307.86
32 93 43 00-0292	EA	36" Box Crataegus phaenopyrum - Washington Hawthorn	899.27
32 93 43 00-0293	EA	1 Gallon Eucalyptus ficifolia - Red-Flowering Gum	10.53
32 93 43 00-0294	EA	5 Gallon Eucalyptus ficifolia - Red-Flowering Gum	29.17
32 93 43 00-0295	EA	15 Gallon Eucalyptus ficifolia - Red-Flowering Gum	128.00
32 93 43 00-0296	EA	24" Box Eucalyptus ficifolia - Red-Flowering Gum	307.86
32 93 43 00-0297	EA	36" Box Eucalyptus ficifolia - Red-Flowering Gum	810.15
32 93 43 00-0298	EA	15 Gallon Fraxinus velutina 'Raywood' - Fan-Tex Ash	79.39
32 93 43 00-0299	EA	24" Box Fraxinus velutina 'Raywood' - Fan-Tex Ash	259.25
32 93 43 00-0300	EA	36" Box Fraxinus velutina 'Raywood' - Fan-Tex Ash	688.63
32 93 43 00-0301	EA	48" Box Fraxinus velutina 'Raywood' - Fan-Tex Ash	1,539.28
32 93 43 00-0302	EA	5 Gallon Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	22.68
32 93 43 00-0303	EA	15 Gallon Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	79.39
32 93 43 00-0304	EA	24" Box Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	259.25
32 93 43 00-0305	EA	36" Box Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	688.63
32 93 43 00-0306	EA	48" Box Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	1,539.28
32 93 43 00-0307	EA	5 Gallon Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	22.68
32 93 43 00-0308	EA	15 Gallon Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	95.60
32 93 43 00-0309	EA	24" Box Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	259.25
32 93 43 00-0310	EA	36" Box Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	729.14
32 93 43 00-0311	EA	48" Box Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	1,863.34
32 93 43 00-0312	EA	5 Gallon Liquidambar styraciflua 'Festival' - Festival Sweetgum	22.68
32 93 43 00-0313	EA	15 Gallon Liquidambar styraciflua 'Festival' - Festival Sweetgum	95.60
32 93 43 00-0314	EA	24" Box Liquidambar styraciflua 'Festival' - Festival Sweetgum	259.25
32 93 43 00-0315	EA	36" Box Liquidambar styraciflua 'Festival' - Festival Sweetgum	729.14
32 93 43 00-0316	EA	48" Box Liquidambar styraciflua 'Festival' - Festival Sweetgum	1,863.34
32 93 43 00-0317	EA	5 Gallon Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum	22.68
32 93 43 00-0318	EA	15 Gallon Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum	95.60
32 93 43 00-0319	EA	24" Box Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum	259.25
32 93 43 00-0320	EA	36" Box Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum	729.14
32 93 43 00-0321	EA	48" Box Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum	1,863.34
32 93 43 00-0322	EA	1 Gallon Pittosporum undulatum - Victorian Box	9.52
32 93 43 00-0323	EA	5 Gallon Pittosporum undulatum - Victorian Box	20.51
32 93 43 00-0324	EA	15 Gallon Pittosporum undulatum - Victorian Box	115.74
32 93 43 00-0325	EA	24" Box Pittosporum undulatum - Victorian Box	278.37
32 93 43 00-0326	EA	36" Box Pittosporum undulatum - Victorian Box	805.80
32 93 43 00-0327	EA	48" Box Pittosporum undulatum - Victorian Box	1,831.38
32 93 43 00-0328	EA	15 Gallon Prunus cerasifera 'Thundercloud' - Thundercloud Purple Leaf Plum	80.93
32 93 43 00-0329	EA	24" Box Prunus cerasifera 'Thundercloud' - Thundercloud Purple Leaf Plum	291.57

**32 93 43 00-0330**

**Deciduous Shade Trees (32 93 43)**

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0331	EA	3-1/2" To 4" Caliper Acer palmatum - Bloodgood Japanese Maple	178.67
32 93 43 00-0332	EA	4" To 4-1/2" Caliper Acer palmatum - Bloodgood Japanese Maple	219.02
32 93 43 00-0333	EA	4-1/2" To 5" Caliper Acer palmatum - Bloodgood Japanese Maple	285.30
32 93 43 00-0334	EA	5" To 6" Caliper Acer palmatum - Bloodgood Japanese Maple	369.83
32 93 43 00-0335	EA	2' To 2-1/2' Acer palmatum - Japanese Maple	18.85
32 93 43 00-0336	EA	4' To 5' Acer palmatum - Japanese Maple	39.58
32 93 43 00-0337	EA	5' To 6' Acer palmatum - Japanese Maple	51.82
32 93 43 00-0338	EA	6' To 7' Acer palmatum - Japanese Maple	94.23
32 93 43 00-0339	EA	7' To 8' Acer palmatum - Japanese Maple	131.92
32 93 43 00-0340	EA	8' To 10' Acer palmatum - Japanese Maple	169.61
32 93 43 00-0341	EA	10' To 12' Acer palmatum - Japanese Maple	226.14
32 93 43 00-0342	EA	2" Caliper Acer platanoides & cvs - Norway Maple	96.06
32 93 43 00-0343	EA	2" Caliper Acer platanoides & cvs - Norway Maple	116.94
32 93 43 00-0344	EA	3" Caliper Acer platanoides & cvs - Norway Maple	150.35
32 93 43 00-0345	EA	3-1/2" Caliper Acer platanoides & cvs - Norway Maple	175.41
32 93 43 00-0346	EA	4" Caliper Acer platanoides & cvs - Norway Maple	187.94

**32 Exterior Improvements****32 90 Planting****32 93 Plants**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

32 93 43 00-0347	EA	4-1/2" Caliper Acer platanoides & cvs - Norway Maple.....	204.65
32 93 43 00-0348	EA	5" Caliper Acer platanoides & cvs - Norway Maple.....	229.71
32 93 43 00-0349	EA	2" Caliper Acer rubrum & cvs - Red Maple.....	91.88
32 93 43 00-0350	EA	2-1/2" Caliper Acer rubrum & cvs - Red Maple.....	116.94
32 93 43 00-0351	EA	3" Caliper Acer rubrum & cvs - Red Maple.....	150.35
32 93 43 00-0352	EA	3-1/2" Caliper Acer rubrum & cvs - Red Maple.....	183.77
32 93 43 00-0353	EA	4" Caliper Acer rubrum & cvs - Red Maple.....	208.83
32 93 43 00-0354	EA	4-1/2" Caliper Acer rubrum & cvs - Red Maple.....	242.24
32 93 43 00-0355	EA	5" Caliper Acer rubrum & cvs - Red Maple.....	271.47
32 93 43 00-0356	EA	8' Clump Form Acer rubrum & cvs - Red Maple.....	112.77
32 93 43 00-0357	EA	10' Clump Form Acer rubrum & cvs - Red Maple.....	150.35
32 93 43 00-0358	EA	12' Clump Form Acer rubrum & cvs - Red Maple.....	175.41
32 93 43 00-0359	EA	14' Clump Form Acer rubrum & cvs - Red Maple.....	200.47
32 93 43 00-0360	EA	16' Clump Form Acer rubrum & cvs - Red Maple.....	225.53
32 93 43 00-0361	EA	18' Clump Form Acer rubrum & cvs - Red Maple.....	250.59
32 93 43 00-0362	EA	2" Caliper Acer saccharinum & cvs - Silver Maple.....	75.18
32 93 43 00-0363	EA	2-1/2" Caliper Acer saccharinum & cvs - Silver Maple.....	100.24
32 93 43 00-0364	EA	3" Caliper Acer saccharinum & cvs - Silver Maple.....	125.30
32 93 43 00-0365	EA	3-1/2" Caliper Acer saccharinum & cvs - Silver Maple.....	150.35
32 93 43 00-0366	EA	4" Caliper Acer saccharinum & cvs - Silver Maple.....	175.41
32 93 43 00-0367	EA	4-1/2" Caliper Acer saccharinum & cvs - Silver Maple.....	200.47
32 93 43 00-0368	EA	5" Caliper Acer saccharinum & cvs - Silver Maple.....	225.53
32 93 43 00-0369	EA	2" Caliper Acer saccharum & cvs - Sugar Maple.....	91.88
32 93 43 00-0370	EA	2-1/2" Caliper Acer saccharum & cvs - Sugar Maple.....	121.12
32 93 43 00-0371	EA	3" Caliper Acer saccharum & cvs - Sugar Maple.....	146.18
32 93 43 00-0372	EA	3-1/2" Caliper Acer saccharum & cvs - Sugar Maple.....	167.06
32 93 43 00-0373	EA	4" Caliper Acer saccharum & cvs - Sugar Maple.....	196.30
32 93 43 00-0374	EA	4-1/2" Caliper Acer saccharum & cvs - Sugar Maple.....	225.53
32 93 43 00-0375	EA	5" Caliper Acer saccharum & cvs - Sugar Maple.....	250.59
32 93 43 00-0376	EA	10' Clump Form Acer saccharum & cvs - Sugar Maple.....	167.06
32 93 43 00-0377	EA	12' Clump Form Acer saccharum & cvs - Sugar Maple.....	196.30
32 93 43 00-0378	EA	14' Clump Form Acer saccharum & cvs - Sugar Maple.....	229.71
32 93 43 00-0379	EA	16' Clump Form Acer saccharum & cvs - Sugar Maple.....	254.77
32 93 43 00-0380	EA	18' Clump Form Acer saccharum & cvs - Sugar Maple.....	309.06
32 93 43 00-0381	EA	20' Clump Form Acer saccharum & cvs - Sugar Maple.....	334.12
32 93 43 00-0382	EA	2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple.....	104.41
32 93 43 00-0383	EA	2-1/2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple.....	129.47
32 93 43 00-0384	EA	3" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple.....	158.71
32 93 43 00-0385	EA	3-1/2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple.....	183.77
32 93 43 00-0386	EA	4" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple.....	200.47
32 93 43 00-0387	EA	4-1/2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple.....	221.36
32 93 43 00-0388	EA	5" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple.....	246.41
32 93 43 00-0389	EA	10' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple.....	150.35
32 93 43 00-0390	EA	12' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple.....	198.80
32 93 43 00-0391	EA	14' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple.....	231.38
32 93 43 00-0392	EA	16' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple.....	254.77
32 93 43 00-0393	EA	18' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple.....	309.06
32 93 43 00-0394	EA	20' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple.....	334.12
32 93 43 00-0395	EA	2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut.....	146.18
32 93 43 00-0396	EA	2-1/2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut.....	162.88
32 93 43 00-0397	EA	3" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut.....	183.77
32 93 43 00-0398	EA	3-1/2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut.....	208.83
32 93 43 00-0399	EA	4" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut.....	250.59
32 93 43 00-0400	EA	2" Caliper Aesculus x carnea - Red Horsechestnut.....	146.18
32 93 43 00-0401	EA	2-1/2" Caliper Aesculus x carnea - Red Horsechestnut.....	162.88
32 93 43 00-0402	EA	3" Caliper Aesculus x carnea - Red Horsechestnut.....	183.77
32 93 43 00-0403	EA	3-1/2" Caliper Aesculus x carnea - Red Horsechestnut.....	208.83
32 93 43 00-0404	EA	4" Caliper Aesculus x carnea - Red Horsechestnut.....	250.59
32 93 43 00-0405	EA	2" Caliper Alnus glutinosa - Common Alder, Black Alder.....	104.41
32 93 43 00-0406	EA	2-1/2" Caliper Alnus glutinosa - Common Alder, Black Alder.....	121.12
32 93 43 00-0407	EA	3" Caliper Alnus glutinosa - Common Alder, Black Alder.....	137.83
32 93 43 00-0408	EA	3-1/2" Caliper Alnus glutinosa - Common Alder, Black Alder.....	158.71
32 93 43 00-0409	EA	8' Clump Form Alnus glutinosa - Common Alder, Black Alder.....	108.59
32 93 43 00-0410	EA	10' Clump Form Alnus glutinosa - Common Alder, Black Alder.....	133.65
32 93 43 00-0411	EA	12' Clump Form Alnus glutinosa - Common Alder, Black Alder.....	150.35
32 93 43 00-0412	EA	14' Clump Form Alnus glutinosa - Common Alder, Black Alder.....	167.06
32 93 43 00-0413	EA	16' Clump Form Alnus glutinosa - Common Alder, Black Alder.....	187.94
32 93 43 00-0414	EA	18' Clump Form Alnus glutinosa - Common Alder, Black Alder.....	208.83
32 93 43 00-0415	EA	2" Caliper Betula nigra - River Birch.....	104.41
32 93 43 00-0416	EA	2-1/2" Caliper Betula nigra - River Birch.....	118.24
32 93 43 00-0417	EA	3" Caliper Betula nigra - River Birch.....	133.65
32 93 43 00-0418	EA	3-1/2" Caliper Betula nigra - River Birch.....	167.06
32 93 43 00-0419	EA	4" Caliper Betula nigra - River Birch.....	187.94
32 93 43 00-0420	EA	4-1/2" Caliper Betula nigra - River Birch.....	208.83
32 93 43 00-0421	EA	5" Caliper Betula nigra - River Birch.....	229.71
32 93 43 00-0422	EA	8' Clump Form Betula nigra - River Birch.....	96.06
32 93 43 00-0423	EA	10' Clump Form Betula nigra - River Birch.....	108.59
32 93 43 00-0424	EA	12' Clump Form Betula nigra - River Birch.....	125.30
32 93 43 00-0425	EA	14' Clump Form Betula nigra - River Birch.....	146.18
32 93 43 00-0426	EA	16' Clump Form Betula nigra - River Birch.....	167.06
32 93 43 00-0427	EA	12' Clump Form Betula platyphylla japonica & cvs - Asian White Birch.....	125.30
32 93 43 00-0428	EA	14' Clump Form Betula platyphylla japonica & cvs - Asian White Birch.....	150.35
32 93 43 00-0429	EA	16' Clump Form Betula platyphylla japonica & cvs - Asian White Birch.....	175.41
32 93 43 00-0430	EA	18' Clump Form Betula platyphylla japonica & cvs - Asian White Birch.....	208.83
32 93 43 00-0431	EA	20' Clump Form Betula platyphylla japonica & cvs - Asian White Birch.....	217.18

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0432	EA	10'	12' Bursera Simaruba - Gumbo Limbo.....	52.83	
32 93 43 00-0433	EA	12'	14' Bursera Simaruba - Gumbo Limbo.....	62.44	
32 93 43 00-0434	EA	14'	16' Bursera Simaruba - Gumbo Limbo.....	86.45	
32 93 43 00-0435	EA	17'	18' Bursera Simaruba - Gumbo Limbo.....	112.39	
32 93 43 00-0436	EA	19'	20' Bursera Simaruba - Gumbo Limbo.....	124.88	
32 93 43 00-0437	EA	21'	22' Bursera Simaruba - Gumbo Limbo.....	147.93	
32 93 43 00-0438	EA	2"	Caliper Carpinus betulus & cvs - European Hornbeam.....	167.06	
32 93 43 00-0439	EA	2-1/2"	Caliper Carpinus betulus & cvs - European Hornbeam.....	187.94	
32 93 43 00-0440	EA	3"	Caliper Carpinus betulus & cvs - European Hornbeam.....	217.18	
32 93 43 00-0441	EA	3-1/2"	Caliper Carpinus betulus & cvs - European Hornbeam.....	263.12	
32 93 43 00-0442	EA	6'	Clump Form Carpinus betulus & cvs - European Hornbeam.....	75.18	
32 93 43 00-0443	EA	7'	Clump Form Carpinus betulus & cvs - European Hornbeam.....	104.41	
32 93 43 00-0444	EA	8'	Clump Form Carpinus betulus & cvs - European Hornbeam.....	129.47	
32 93 43 00-0445	EA	2"	Caliper Catalpa speciosa - Western Catalpa.....	91.88	
32 93 43 00-0446	EA	2-1/2"	Caliper Catalpa speciosa - Western Catalpa.....	125.30	
32 93 43 00-0447	EA	3"	Caliper Catalpa speciosa - Western Catalpa.....	162.88	
32 93 43 00-0448	EA	3-1/2"	Caliper Catalpa speciosa - Western Catalpa.....	196.30	
32 93 43 00-0449	EA	4"	Caliper Catalpa speciosa - Western Catalpa.....	225.53	
32 93 43 00-0450	EA	2"	Caliper Celtis occidentalis & cvs - Common Hackberry.....	116.94	
32 93 43 00-0451	EA	2-1/2"	Caliper Celtis occidentalis & cvs - Common Hackberry.....	133.65	
32 93 43 00-0452	EA	3"	Caliper Celtis occidentalis & cvs - Common Hackberry.....	162.88	
32 93 43 00-0453	EA	3-1/2"	Caliper Celtis occidentalis & cvs - Common Hackberry.....	192.12	
32 93 43 00-0454	EA	4"	Caliper Celtis occidentalis & cvs - Common Hackberry.....	221.36	
32 93 43 00-0455	EA	4-1/2"	Caliper Celtis occidentalis & cvs - Common Hackberry.....	250.59	
32 93 43 00-0456	EA	3"	Caliper Cercidiphyllum japonicum - Katsuratree.....	146.18	
32 93 43 00-0457	EA	3-1/2"	Caliper Cercidiphyllum japonicum - Katsuratree.....	167.06	
32 93 43 00-0458	EA	4"	Caliper Cercidiphyllum japonicum - Katsuratree.....	196.30	
32 93 43 00-0459	EA	5"	Caliper Cercidiphyllum japonicum - Katsuratree.....	233.89	
32 93 43 00-0460	EA	6'	Clump Form Cercidiphyllum japonicum - Katsuratree.....	116.94	
32 93 43 00-0461	EA	7'	Clump Form Cercidiphyllum japonicum - Katsuratree.....	137.83	
32 93 43 00-0462	EA	8'	Clump Form Cercidiphyllum japonicum - Katsuratree.....	167.06	
32 93 43 00-0463	EA	10'	Clump Form Cercidiphyllum japonicum - Katsuratree.....	208.83	
32 93 43 00-0464	EA	12'	Clump Form Cercidiphyllum japonicum - Katsuratree.....	250.59	
32 93 43 00-0465	EA	2"	Caliper Cladrastus lutea - American Yellowwood.....	208.83	
32 93 43 00-0466	EA	2-1/2"	Caliper Cladrastus lutea - American Yellowwood.....	250.59	
32 93 43 00-0467	EA	3"	Caliper Cladrastus lutea - American Yellowwood.....	292.36	
32 93 43 00-0468	EA	3-1/2"	Caliper Cladrastus lutea - American Yellowwood.....	334.12	
32 93 43 00-0469	EA	2"	Caliper Corylus colurna - Turkish Filbert.....	129.47	
32 93 43 00-0470	EA	2-1/2"	Caliper Corylus colurna - Turkish Filbert.....	146.18	
32 93 43 00-0471	EA	3"	Caliper Corylus colurna - Turkish Filbert.....	167.06	
32 93 43 00-0472	EA	3-1/2"	Caliper Corylus colurna - Turkish Filbert.....	192.12	
32 93 43 00-0473	EA	4"	Caliper Corylus colurna - Turkish Filbert.....	229.71	
32 93 43 00-0474	EA	4-1/2"	Caliper Corylus colurna - Turkish Filbert.....	267.30	
32 93 43 00-0475	EA	5"	Caliper Corylus colurna - Turkish Filbert.....	304.89	
32 93 43 00-0476	EA	8'	Clump Form Corylus colurna - Turkish Filbert.....	116.94	
32 93 43 00-0477	EA	10'	Clump Form Corylus colurna - Turkish Filbert.....	142.00	
32 93 43 00-0478	EA	12'	Clump Form Corylus colurna - Turkish Filbert.....	167.06	
32 93 43 00-0479	EA	14'	Clump Form Corylus colurna - Turkish Filbert.....	187.94	
32 93 43 00-0480	EA	16'	Clump Form Corylus colurna - Turkish Filbert.....	208.83	
32 93 43 00-0481	EA	1-1/2"	Caliper Diospyros - Persimmon.....	75.18	
32 93 43 00-0482	EA	2"	Caliper Diospyros - Persimmon.....	91.88	
32 93 43 00-0483	EA	2-1/2"	Caliper Diospyros - Persimmon.....	116.94	
32 93 43 00-0484	EA	3"	Caliper Diospyros - Persimmon.....	146.18	
32 93 43 00-0485	EA	3-1/2"	Caliper Diospyros - Persimmon.....	175.41	
32 93 43 00-0486	EA	1-1/2"	Caliper Fagus grandifolia - American Beech.....	167.06	
32 93 43 00-0487	EA	2"	Caliper Fagus grandifolia - American Beech.....	217.18	
32 93 43 00-0488	EA	2-1/2"	Caliper Fagus grandifolia - American Beech.....	275.65	
32 93 43 00-0489	EA	3"	Caliper Fagus grandifolia - American Beech.....	334.12	
32 93 43 00-0490	EA	3-1/2"	Caliper Fagus grandifolia - American Beech.....	396.77	
32 93 43 00-0491	EA	2"	Caliper Fagus sylvatica & cvs - European Beech.....	187.94	
32 93 43 00-0492	EA	2-1/2"	Caliper Fagus sylvatica & cvs - European Beech.....	225.53	
32 93 43 00-0493	EA	3"	Caliper Fagus sylvatica & cvs - European Beech.....	271.47	
32 93 43 00-0494	EA	3-1/2"	Caliper Fagus sylvatica & cvs - European Beech.....	300.71	
32 93 43 00-0495	EA	4"	Caliper Fagus sylvatica & cvs - European Beech.....	355.00	
32 93 43 00-0496	EA	4-1/2"	Caliper Fagus sylvatica & cvs - European Beech.....	459.42	
32 93 43 00-0497	EA	5"	Caliper Fagus sylvatica & cvs - European Beech.....	542.95	
32 93 43 00-0498	EA	2"	Caliper Fraxinus americana & cvs - White Ash.....	104.41	
32 93 43 00-0499	EA	2-1/2"	Caliper Fraxinus americana & cvs - White Ash.....	125.30	
32 93 43 00-0500	EA	3"	Caliper Fraxinus americana & cvs - White Ash.....	158.71	
32 93 43 00-0501	EA	3-1/2"	Caliper Fraxinus americana & cvs - White Ash.....	192.12	
32 93 43 00-0502	EA	4"	Caliper Fraxinus americana & cvs - White Ash.....	225.53	
32 93 43 00-0503	EA	4-1/2"	Caliper Fraxinus americana & cvs - White Ash.....	250.59	
32 93 43 00-0504	EA	5"	Caliper Fraxinus americana & cvs - White Ash.....	292.36	
32 93 43 00-0505	EA	2"	Caliper Fraxinus pennsylvanica & cvs - Green Ash.....	91.88	
32 93 43 00-0506	EA	2-1/2"	Caliper Fraxinus pennsylvanica & cvs - Green Ash.....	108.59	
32 93 43 00-0507	EA	3"	Caliper Fraxinus pennsylvanica & cvs - Green Ash.....	146.18	
32 93 43 00-0508	EA	3-1/2"	Caliper Fraxinus pennsylvanica & cvs - Green Ash.....	175.41	
32 93 43 00-0509	EA	4"	Caliper Fraxinus pennsylvanica & cvs - Green Ash.....	208.83	
32 93 43 00-0510	EA	4-1/2"	Caliper Fraxinus pennsylvanica & cvs - Green Ash.....	225.53	
32 93 43 00-0511	EA	5"	Caliper Fraxinus pennsylvanica & cvs - Green Ash.....	250.59	
32 93 43 00-0512	EA	1-1/2"	Caliper Fraxinus quadrangulata - Blue Ash.....	125.30	
32 93 43 00-0513	EA	2"	Caliper Fraxinus quadrangulata - Blue Ash.....	154.53	
32 93 43 00-0514	EA	2-1/2"	Caliper Fraxinus quadrangulata - Blue Ash.....	187.94	
32 93 43 00-0515	EA	3"	Caliper Fraxinus quadrangulata - Blue Ash.....	229.71	
32 93 43 00-0516	EA	3-1/2"	Caliper Fraxinus quadrangulata - Blue Ash.....	271.47	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0517	EA		1-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	146.18	
32 93 43 00-0518	EA		2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	162.88	
32 93 43 00-0519	EA		2-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	183.77	
32 93 43 00-0520	EA		3" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	204.65	
32 93 43 00-0521	EA		3-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	229.71	
32 93 43 00-0522	EA		4" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	250.59	
32 93 43 00-0523	EA		4-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	375.89	
32 93 43 00-0524	EA		5" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	417.65	
32 93 43 00-0525	EA		2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust.....	100.24	
32 93 43 00-0526	EA		2-1/2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust.....	125.30	
32 93 43 00-0527	EA		3" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust.....	150.35	
32 93 43 00-0528	EA		3-1/2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust.....	175.41	
32 93 43 00-0529	EA		4" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust.....	200.47	
32 93 43 00-0530	EA		4-1/2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust.....	225.53	
32 93 43 00-0531	EA		5" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust.....	267.30	
32 93 43 00-0532	EA		2" Caliper Gymnocladus dioicus - Kentucky Coffeetree.....	129.47	
32 93 43 00-0533	EA		2-1/2" Caliper Gymnocladus dioicus - Kentucky Coffeetree.....	158.71	
32 93 43 00-0534	EA		3" Caliper Gymnocladus dioicus - Kentucky Coffeetree.....	187.94	
32 93 43 00-0535	EA		3-1/2" Caliper Gymnocladus dioicus - Kentucky Coffeetree.....	221.36	
32 93 43 00-0536	EA		4" Caliper Gymnocladus dioicus - Kentucky Coffeetree.....	250.59	
32 93 43 00-0537	EA		4-1/2" Caliper Gymnocladus dioicus - Kentucky Coffeetree.....	279.83	
32 93 43 00-0538	EA		5" Caliper Gymnocladus dioicus - Kentucky Coffeetree.....	313.24	
32 93 43 00-0539	EA		1-1/2" Caliper Juglans cinerea - Butternut.....	100.24	
32 93 43 00-0540	EA		2" Caliper Juglans cinerea - Butternut.....	116.94	
32 93 43 00-0541	EA		2-1/2" Caliper Juglans cinerea - Butternut.....	146.18	
32 93 43 00-0542	EA		3" Caliper Juglans cinerea - Butternut.....	183.77	
32 93 43 00-0543	EA		3-1/2" Caliper Juglans cinerea - Butternut.....	225.53	
32 93 43 00-0544	EA		1-1/2" Caliper Juglans californica - California Walnut.....	100.24	
32 93 43 00-0545	EA		2" Caliper Juglans californica - California Walnut.....	116.94	
32 93 43 00-0546	EA		2-1/2" Caliper Juglans californica - California Walnut.....	146.18	
32 93 43 00-0547	EA		3" Caliper Juglans californica - California Walnut.....	183.77	
32 93 43 00-0548	EA		3-1/2" Caliper Juglans californica - California Walnut.....	225.53	
32 93 43 00-0549	EA		4" Caliper Juglans californica - California Walnut.....	271.47	
32 93 43 00-0550	EA		4-1/2" Caliper Juglans californica - California Walnut.....	313.24	
32 93 43 00-0551	EA		5" Caliper Juglans californica - California Walnut.....	355.00	
32 93 43 00-0552	EA		5 Gallon Koelreuteria Paniculata - Goldenrain Tree.....	11.31	
32 93 43 00-0553	EA		15 Gallon Koelreuteria Paniculata - Goldenrain Tree.....	28.27	
32 93 43 00-0554	EA		20 Gallon Koelreuteria Paniculata - Goldenrain Tree.....	56.54	
32 93 43 00-0555	EA		55 Gallon Koelreuteria Paniculata - Goldenrain Tree.....	73.50	
32 93 43 00-0556	EA		1-1/2" To 2" Caliper Koelreuteria Paniculata - Goldenrain Tree.....	53.71	
32 93 43 00-0557	EA		2" To 2-1/2" Caliper Koelreuteria Paniculata - Goldenrain Tree.....	65.02	
32 93 43 00-0558	EA		2-1/2" To 3" Caliper Koelreuteria Paniculata - Goldenrain Tree.....	90.46	
32 93 43 00-0559	EA		1-1/2" Caliper Liquidambar styraciflua - American Sweetgum.....	133.65	
32 93 43 00-0560	EA		2" Caliper Liquidambar styraciflua - American Sweetgum.....	167.06	
32 93 43 00-0561	EA		2-1/2" Caliper Liquidambar styraciflua - American Sweetgum.....	208.83	
32 93 43 00-0562	EA		3" Caliper Liquidambar styraciflua - American Sweetgum.....	250.59	
32 93 43 00-0563	EA		3-1/2" Caliper Liquidambar styraciflua - American Sweetgum.....	292.36	
32 93 43 00-0564	EA		1-1/2" Caliper Liriodendron tulipifera - Tulip Tree.....	133.65	
32 93 43 00-0565	EA		2" Caliper Liriodendron tulipifera - Tulip Tree.....	183.77	
32 93 43 00-0566	EA		2-1/2" Caliper Liriodendron tulipifera - Tulip Tree.....	217.18	
32 93 43 00-0567	EA		3" Caliper Liriodendron tulipifera - Tulip Tree.....	250.59	
32 93 43 00-0568	EA		3-1/2" Caliper Liriodendron tulipifera - Tulip Tree.....	284.00	
32 93 43 00-0569	EA		8' Clump Form Liriodendron tulipifera - Tulip Tree.....	100.24	
32 93 43 00-0570	EA		10' Clump Form Liriodendron tulipifera - Tulip Tree.....	179.59	
32 93 43 00-0571	EA		12' Clump Form Liriodendron tulipifera - Tulip Tree.....	217.18	
32 93 43 00-0572	EA		1-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum.....	133.65	
32 93 43 00-0573	EA		2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum.....	167.06	
32 93 43 00-0574	EA		2-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum.....	208.83	
32 93 43 00-0575	EA		3" Caliper Nyssa sylvatica - Black Tupelo Sour Gum.....	250.59	
32 93 43 00-0576	EA		3-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum.....	292.36	
32 93 43 00-0577	EA		4' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum.....	58.47	
32 93 43 00-0578	EA		5' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum.....	66.82	
32 93 43 00-0579	EA		6' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum.....	79.35	
32 93 43 00-0580	EA		7' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum.....	100.24	
32 93 43 00-0581	EA		8' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum.....	125.30	
32 93 43 00-0582	EA		2" Caliper Ostrya virginiana - American Hophornbeam.....	108.59	
32 93 43 00-0583	EA		2-1/2" Caliper Ostrya virginiana - American Hophornbeam.....	137.83	
32 93 43 00-0584	EA		3" Caliper Ostrya virginiana - American Hophornbeam.....	167.06	
32 93 43 00-0585	EA		3-1/2" Caliper Ostrya virginiana - American Hophornbeam.....	196.30	
32 93 43 00-0586	EA		4" Caliper Ostrya virginiana - American Hophornbeam.....	238.06	
32 93 43 00-0587	EA		2" Caliper Phellodendron amurense - Amur Corktree.....	83.53	
32 93 43 00-0588	EA		2-1/2" Caliper Phellodendron amurense - Amur Corktree.....	104.41	
32 93 43 00-0589	EA		3" Caliper Phellodendron amurense - Amur Corktree.....	125.30	
32 93 43 00-0590	EA		3-1/2" Caliper Phellodendron amurense - Amur Corktree.....	146.18	
32 93 43 00-0591	EA		4" Caliper Phellodendron amurense - Amur Corktree.....	167.06	
32 93 43 00-0592	EA		4-1/2" Caliper Phellodendron amurense - Amur Corktree.....	187.94	
32 93 43 00-0593	EA		5" Caliper Phellodendron amurense - Amur Corktree.....	208.83	
32 93 43 00-0594	EA		30" Box Platanus Occidentalis - Buttonwood Sycamore.....	181.45	
32 93 43 00-0595	EA		36" Box Platanus Occidentalis - Buttonwood Sycamore.....	263.93	
32 93 43 00-0596	EA		42" Box Platanus occidentalis - Buttonwood Sycamore.....	392.61	
32 93 43 00-0597	EA		1-1/2" To 2" Caliper Platanus occidentalis - Buttonwood Sycamore.....	60.71	
32 93 43 00-0598	EA		2" To 2-1/2" Caliper Platanus occidentalis - Buttonwood Sycamore.....	72.58	
32 93 43 00-0599	EA		2-1/2" To 3" Caliper Platanus occidentalis - Buttonwood Sycamore.....	98.97	
32 93 43 00-0600	EA		3" To 3-1/2" Caliper Platanus occidentalis - Buttonwood Sycamore.....	120.11	
32 93 43 00-0601	EA		8' To 10' Platanus occidentalis - Green Or Silver Buttonwood.....	49.95	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0602	EA	10' To 12'	Platanus occidentalis - Green Or Silver Buttonwood.....	62.44	
32 93 43 00-0603	EA	12' To 14'	Platanus occidentalis - Green Or Silver Buttonwood.....	110.47	
32 93 43 00-0604	EA	16' To 18'	Platanus occidentalis - Green Or Silver Buttonwood.....	158.50	
32 93 43 00-0605	EA	2"	Caliper Platanus x acerifolia & cvs - London Planetree.....	100.24	
32 93 43 00-0606	EA	2-1/2"	Caliper Platanus x acerifolia & cvs - London Planetree.....	121.12	
32 93 43 00-0607	EA	3"	Caliper Platanus x acerifolia & cvs - London Planetree.....	146.18	
32 93 43 00-0608	EA	3-1/2"	Caliper Platanus x acerifolia & cvs - London Planetree.....	175.41	
32 93 43 00-0609	EA	4"	Caliper Platanus x acerifolia & cvs - London Planetree.....	208.83	
32 93 43 00-0610	EA	2"	Caliper Populus alba & cvs - White Poplar.....	100.24	
32 93 43 00-0611	EA	2-1/2"	Caliper Populus alba & cvs - White Poplar.....	116.94	
32 93 43 00-0612	EA	3"	Caliper Populus alba & cvs - White Poplar.....	133.65	
32 93 43 00-0613	EA	3-1/2"	Caliper Populus alba & cvs - White Poplar.....	158.71	
32 93 43 00-0614	EA	4"	Caliper Populus alba & cvs - White Poplar.....	175.41	
32 93 43 00-0615	EA	4-1/2"	Caliper Populus alba & cvs - White Poplar.....	200.47	
32 93 43 00-0616	EA	2"	Caliper Populus deltoides & cvs - Eastern Cottonwood.....	91.88	
32 93 43 00-0617	EA	2-1/2"	Caliper Populus deltoides & cvs - Eastern Cottonwood.....	121.12	
32 93 43 00-0618	EA	3"	Caliper Populus deltoides & cvs - Eastern Cottonwood.....	146.18	
32 93 43 00-0619	EA	3-1/2"	Caliper Populus deltoides & cvs - Eastern Cottonwood.....	175.41	
32 93 43 00-0620	EA	4"	Caliper Populus deltoides & cvs - Eastern Cottonwood.....	208.83	
32 93 43 00-0621	EA	6' To 8'	Quercus acutissima - Sawtooth Oak.....	31.41	
32 93 43 00-0622	EA	8' To 10'	Quercus acutissima - Sawtooth Oak.....	47.11	
32 93 43 00-0623	EA	10' To 12'	Quercus acutissima - Sawtooth Oak.....	54.97	
32 93 43 00-0624	EA	1-1/2" To 2"	Caliper Quercus acutissima - Sawtooth Oak.....	62.82	
32 93 43 00-0625	EA	2" To 2-1/2"	Caliper Quercus acutissima - Sawtooth Oak.....	70.67	
32 93 43 00-0626	EA	3" To 3-1/2"	Caliper Quercus virginiana - Live Oak.....	248.76	
32 93 43 00-0627	EA	3-1/2" To 4"	Caliper Quercus virginiana - Live Oak.....	335.25	
32 93 43 00-0628	EA	4" To 4-1/2"	Caliper Quercus virginiana - Live Oak.....	453.40	
32 93 43 00-0629	EA	4-1/2" To 5"	Caliper Quercus virginiana - Live Oak.....	605.18	
32 93 43 00-0630	EA	5" To 5-1/2"	Caliper Quercus virginiana - Live Oak.....	730.06	
32 93 43 00-0631	EA	5-1/2" To 6"	Caliper Quercus virginiana - Live Oak.....	806.90	
32 93 43 00-0632	EA	6" To 6-1/2"	Caliper Quercus virginiana - Live Oak.....	1,085.48	
32 93 43 00-0633	EA	6-1/2" To 7"	Caliper Quercus virginiana - Live Oak.....	1,364.05	
32 93 43 00-0634	EA	7" To 7-1/2"	Caliper Quercus virginiana - Live Oak.....	1,642.63	
32 93 43 00-0635	EA	7-1/2" To 8"	Caliper Quercus virginiana - Live Oak.....	1,993.24	
32 93 43 00-0636	EA	8" To 8-1/2"	Caliper Quercus virginiana - Live Oak.....	2,343.86	
32 93 43 00-0637	EA	2"	Caliper Quercus alba - White Oak.....	125.30	
32 93 43 00-0638	EA	2-1/2"	Caliper Quercus alba - White Oak.....	146.18	
32 93 43 00-0639	EA	3"	Caliper Quercus alba - White Oak.....	183.77	
32 93 43 00-0640	EA	3-1/2"	Caliper Quercus alba - White Oak.....	229.71	
32 93 43 00-0641	EA	4"	Caliper Quercus alba - White Oak.....	271.47	
32 93 43 00-0642	EA	4-1/2"	Caliper Quercus alba - White Oak.....	334.12	
32 93 43 00-0643	EA	5"	Caliper Quercus alba - White Oak.....	396.77	
32 93 43 00-0644	EA	2"	Caliper Quercus bicolor - Swamp White Oak.....	146.18	
32 93 43 00-0645	EA	2-1/2"	Caliper Quercus bicolor - Swamp White Oak.....	167.06	
32 93 43 00-0646	EA	3"	Caliper Quercus bicolor - Swamp White Oak.....	192.12	
32 93 43 00-0647	EA	3-1/2"	Caliper Quercus bicolor - Swamp White Oak.....	213.00	
32 93 43 00-0648	EA	4"	Caliper Quercus bicolor - Swamp White Oak.....	242.24	
32 93 43 00-0649	EA	4-1/2"	Caliper Quercus bicolor - Swamp White Oak.....	267.30	
32 93 43 00-0650	EA	5"	Caliper Quercus bicolor - Swamp White Oak.....	300.71	
32 93 43 00-0651	EA	10' Clump Form	Quercus bicolor - Swamp White Oak.....	208.83	
32 93 43 00-0652	EA	12' Clump Form	Quercus bicolor - Swamp White Oak.....	250.59	
32 93 43 00-0653	EA	14' Clump Form	Quercus bicolor - Swamp White Oak.....	292.36	
32 93 43 00-0654	EA	16' Clump Form	Quercus bicolor - Swamp White Oak.....	334.12	
32 93 43 00-0655	EA	2"	Caliper Quercus coccinea - Scarlet Oak.....	108.59	
32 93 43 00-0656	EA	2-1/2"	Caliper Quercus coccinea - Scarlet Oak.....	137.83	
32 93 43 00-0657	EA	3"	Caliper Quercus coccinea - Scarlet Oak.....	171.24	
32 93 43 00-0658	EA	3-1/2"	Caliper Quercus coccinea - Scarlet Oak.....	208.83	
32 93 43 00-0659	EA	4"	Caliper Quercus coccinea - Scarlet Oak.....	250.59	
32 93 43 00-0660	EA	4-1/2"	Caliper Quercus coccinea - Scarlet Oak.....	296.53	
32 93 43 00-0661	EA	5"	Caliper Quercus coccinea - Scarlet Oak.....	346.65	
32 93 43 00-0662	EA	1-1/2"	Caliper Quercus imbricaria - Shingle Oak.....	108.59	
32 93 43 00-0663	EA	2"	Caliper Quercus imbricaria - Shingle Oak.....	146.18	
32 93 43 00-0664	EA	2-1/2"	Caliper Quercus imbricaria - Shingle Oak.....	196.30	
32 93 43 00-0665	EA	3"	Caliper Quercus imbricaria - Shingle Oak.....	292.36	
32 93 43 00-0666	EA	3-1/2"	Caliper Quercus imbricaria - Shingle Oak.....	396.77	
32 93 43 00-0667	EA	1-1/2"	Caliper Quercus macrocarpa - Bur Oak.....	108.59	
32 93 43 00-0668	EA	2"	Caliper Quercus macrocarpa - Bur Oak.....	129.47	
32 93 43 00-0669	EA	2-1/2"	Caliper Quercus macrocarpa - Bur Oak.....	154.53	
32 93 43 00-0670	EA	3"	Caliper Quercus macrocarpa - Bur Oak.....	187.94	
32 93 43 00-0671	EA	3-1/2"	Caliper Quercus macrocarpa - Bur Oak.....	229.71	
32 93 43 00-0672	EA	4"	Caliper Quercus macrocarpa - Bur Oak.....	271.47	
32 93 43 00-0673	EA	9' Clump Form	Quercus macrocarpa - Bur Oak.....	250.59	
32 93 43 00-0674	EA	10' Clump Form	Quercus macrocarpa - Bur Oak.....	292.36	
32 93 43 00-0675	EA	12' Clump Form	Quercus macrocarpa - Bur Oak.....	334.12	
32 93 43 00-0676	EA	2"	Caliper Quercus palustris - Pin Oak.....	91.88	
32 93 43 00-0677	EA	2-1/2"	Caliper Quercus palustris - Pin Oak.....	125.30	
32 93 43 00-0678	EA	3"	Caliper Quercus palustris - Pin Oak.....	162.88	
32 93 43 00-0679	EA	3-1/2"	Caliper Quercus palustris - Pin Oak.....	187.94	
32 93 43 00-0680	EA	4"	Caliper Quercus palustris - Pin Oak.....	217.18	
32 93 43 00-0681	EA	4-1/2"	Caliper Quercus palustris - Pin Oak.....	246.41	
32 93 43 00-0682	EA	5"	Caliper Quercus palustris - Pin Oak.....	271.47	
32 93 43 00-0683	EA	2"	Caliper Quercus robur & cvs - English Oak.....	108.59	
32 93 43 00-0684	EA	2-1/2"	Caliper Quercus robur & cvs - English Oak.....	133.65	
32 93 43 00-0685	EA	3"	Caliper Quercus robur & cvs - English Oak.....	158.71	
32 93 43 00-0686	EA	3-1/2"	Caliper Quercus robur & cvs - English Oak.....	187.94	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0687	EA	4" Caliper Quercus robur & cvs - English Oak	217.18	
32 93 43 00-0688	EA	4-1/2" Caliper Quercus robur & cvs - English Oak	250.59	
32 93 43 00-0689	EA	5" Caliper Quercus robur & cvs - English Oak	284.00	
32 93 43 00-0690	EA	2" Caliper Quercus rubra - Red Oak	125.30	
32 93 43 00-0691	EA	2-1/2" Caliper Quercus rubra - Red Oak	146.18	
32 93 43 00-0692	EA	3" Caliper Quercus rubra - Red Oak	175.41	
32 93 43 00-0693	EA	3-1/2" Caliper Quercus rubra - Red Oak	208.83	
32 93 43 00-0694	EA	4" Caliper Quercus rubra - Red Oak	250.59	
32 93 43 00-0695	EA	4-1/2" Caliper Quercus rubra - Red Oak	292.36	
32 93 43 00-0696	EA	5" Caliper Quercus rubra - Red Oak	334.12	
32 93 43 00-0697	EA	16' Clump Form Quercus rubra - Red Oak	271.47	
32 93 43 00-0698	EA	18' Clump Form Quercus rubra - Red Oak	325.77	
32 93 43 00-0699	EA	20' Clump Form Quercus rubra - Red Oak	363.36	
32 93 43 00-0700	EA	2" Caliper Quercus shumardii - Shumard Oak	142.00	
32 93 43 00-0701	EA	2-1/2" Caliper Quercus shumardii - Shumard Oak	179.59	
32 93 43 00-0702	EA	3" Caliper Quercus shumardii - Shumard Oak	208.83	
32 93 43 00-0703	EA	3-1/2" Caliper Quercus shumardii - Shumard Oak	250.59	
32 93 43 00-0704	EA	4" Caliper Quercus shumardii - Shumard Oak	292.36	
32 93 43 00-0705	EA	4-1/2" Caliper Quercus shumardii - Shumard Oak	334.12	
32 93 43 00-0706	EA	5" Caliper Quercus shumardii - Shumard Oak	375.89	
32 93 43 00-0707	EA	2" Caliper Quercus schuettii - Swamp Bur Oak	125.30	
32 93 43 00-0708	EA	2-1/2" Caliper Quercus schuettii - Swamp Bur Oak	150.35	
32 93 43 00-0709	EA	3" Caliper Quercus schuettii - Swamp Bur Oak	187.94	
32 93 43 00-0710	EA	3-1/2" Caliper Quercus schuettii - Swamp Bur Oak	229.71	
32 93 43 00-0711	EA	4" Caliper Quercus schuettii - Swamp Bur Oak	267.30	
32 93 43 00-0712	EA	4-1/2" Caliper Quercus schuettii - Swamp Bur Oak	300.71	
32 93 43 00-0713	EA	24" Box Salix babylonica - Weeping Willow	105.57	
32 93 43 00-0714	EA	36" Box Salix babylonica - Weeping Willow	263.93	
32 93 43 00-0715	EA	1-1/2" To 2" Caliper Salix babylonica - Weeping Willow	60.71	
32 93 43 00-0716	EA	2" To 2-1/2" Caliper Salix babylonica - Weeping Willow	72.58	
32 93 43 00-0717	EA	2-1/2" To 3" Caliper Salix babylonica - Weeping Willow	79.18	
32 93 43 00-0718	EA	2" Caliper Salix alba & cvs - White Willow	66.82	
32 93 43 00-0719	EA	2-1/2" Caliper Salix alba & cvs - White Willow	79.35	
32 93 43 00-0720	EA	3" Caliper Salix alba & cvs - White Willow	104.41	
32 93 43 00-0721	EA	3-1/2" Caliper Salix alba & cvs - White Willow	125.30	
32 93 43 00-0722	EA	4" Caliper Salix alba & cvs - White Willow	150.35	
32 93 43 00-0723	EA	4-1/2" Caliper Salix alba & cvs - White Willow	175.41	
32 93 43 00-0724	EA	5" Caliper Salix alba & cvs - White Willow	200.47	
32 93 43 00-0725	EA	5' Clump Form Sassafras albidum - Common Sassafras	79.35	
32 93 43 00-0726	EA	6' Clump Form Sassafras albidum - Common Sassafras	96.06	
32 93 43 00-0727	EA	7' Clump Form Sassafras albidum - Common Sassafras	121.12	
32 93 43 00-0728	EA	8' Clump Form Sassafras albidum - Common Sassafras	137.83	
32 93 43 00-0729	EA	10' Clump Form Sassafras albidum - Common Sassafras	154.53	
32 93 43 00-0730	EA	12' Clump Form Sassafras albidum - Common Sassafras	187.94	
32 93 43 00-0731	EA	14' Clump Form Sassafras albidum - Common Sassafras	229.71	
32 93 43 00-0732	EA	16' Clump Form Sassafras albidum - Common Sassafras	271.47	
32 93 43 00-0733	EA	1-3/4" Caliper Sophora japonica - Chinese Scholar	138.33	
32 93 43 00-0734	EA	2" Caliper Sophora japonica - Chinese Scholar	153.70	
32 93 43 00-0735	EA	2-1/2" Caliper Sophora japonica - Chinese Scholar	206.53	
32 93 43 00-0736	EA	3" Caliper Sophora japonica - Chinese Scholar	268.97	
32 93 43 00-0737	EA	3-1/2" Caliper Sophora japonica - Chinese Scholar	312.20	
32 93 43 00-0738	EA	10' To 12' Swietenia Mahagoni - Mahogany	73.97	
32 93 43 00-0739	EA	12' To 14' Swietenia Mahagoni - Mahogany	86.45	
32 93 43 00-0740	EA	14' To 16' Swietenia Mahagoni - Mahogany	115.27	
32 93 43 00-0741	EA	16' To 18' Swietenia Mahagoni - Mahogany	129.68	
32 93 43 00-0742	EA	2" Caliper Taxodium distichum - Common Bald Cypress	104.41	
32 93 43 00-0743	EA	2-1/2" Caliper Taxodium distichum - Common Bald Cypress	121.12	
32 93 43 00-0744	EA	3" Caliper Taxodium distichum - Common Bald Cypress	146.18	
32 93 43 00-0745	EA	3-1/2" Caliper Taxodium distichum - Common Bald Cypress	167.06	
32 93 43 00-0746	EA	4" Caliper Taxodium distichum - Common Bald Cypress	183.77	
32 93 43 00-0747	EA	6' Clump Form Taxodium distichum - Common Bald Cypress	91.88	
32 93 43 00-0748	EA	7' Clump Form Taxodium distichum - Common Bald Cypress	104.41	
32 93 43 00-0749	EA	8' Clump Form Taxodium distichum - Common Bald Cypress	150.35	
32 93 43 00-0750	EA	10' Clump Form Taxodium distichum - Common Bald Cypress	167.06	
32 93 43 00-0751	EA	12' Clump Form Taxodium distichum - Common Bald Cypress	187.94	
32 93 43 00-0752	EA	14' Clump Form Taxodium distichum - Common Bald Cypress	217.18	
32 93 43 00-0753	EA	16' Clump Form Taxodium distichum - Common Bald Cypress	250.59	
32 93 43 00-0754	EA	2' Thuja occidentalis - American Arborvitae	14.31	
32 93 43 00-0755	EA	2-1/2" Thuja occidentalis - American Arborvitae	15.47	
32 93 43 00-0756	EA	3" Thuja occidentalis - American Arborvitae	22.09	
32 93 43 00-0757	EA	4" Thuja occidentalis - American Arborvitae	30.36	
32 93 43 00-0758	EA	5" Thuja occidentalis - American Arborvitae	42.27	
32 93 43 00-0759	EA	6" Thuja occidentalis - American Arborvitae	58.60	
32 93 43 00-0760	EA	7" Thuja occidentalis - American Arborvitae	71.08	
32 93 43 00-0761	EA	8" Thuja occidentalis - American Arborvitae	99.90	
32 93 43 00-0762	EA	2" Caliper Tilia americana & cvs - American Linden Basswood	104.41	
32 93 43 00-0763	EA	2-1/2" Caliper Tilia americana & cvs - American Linden Basswood	121.12	
32 93 43 00-0764	EA	3" Caliper Tilia americana & cvs - American Linden Basswood	154.53	
32 93 43 00-0765	EA	3-1/2" Caliper Tilia americana & cvs - American Linden Basswood	179.59	
32 93 43 00-0766	EA	4" Caliper Tilia americana & cvs - American Linden; Basswood	204.65	
32 93 43 00-0767	EA	4-1/2" Caliper Tilia americana & cvs - American Linden Basswood	229.71	
32 93 43 00-0768	EA	5" Caliper Tilia americana & cvs - American Linden Basswood	250.59	
32 93 43 00-0769	EA	10' Clump Form Tilia americana & cvs - American Linden Basswood	133.65	
32 93 43 00-0770	EA	12' Clump Form Tilia americana & cvs - American Linden Basswood	146.18	
32 93 43 00-0771	EA	14' Clump Form Tilia americana & cvs - American Linden Basswood	167.06	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 93 43 00-0772	EA	16' Clump Form Tilia americana & cvs - American Linden Basswood.....	192.12
32 93 43 00-0773	EA	2" Caliper Tilia cordata & cvs - Littleleaf Linden.....	105.04
32 93 43 00-0774	EA	2-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden.....	126.88
32 93 43 00-0775	EA	3" Caliper Tilia cordata & cvs - Littleleaf Linden.....	146.18
32 93 43 00-0776	EA	3-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden.....	179.59
32 93 43 00-0777	EA	4" Caliper Tilia cordata & cvs - Littleleaf Linden.....	204.65
32 93 43 00-0778	EA	4-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden.....	229.71
32 93 43 00-0779	EA	5" Caliper Tilia cordata & cvs - Littleleaf Linden.....	254.77
32 93 43 00-0780	EA	2" Caliper Tilia tomentosa & cvs - Silver Linden.....	116.94
32 93 43 00-0781	EA	2-1/2" Caliper Tilia tomentosa & cvs - Silver Linden.....	129.47
32 93 43 00-0782	EA	3" Caliper Tilia tomentosa & cvs - Silver Linden.....	142.00
32 93 43 00-0783	EA	3-1/2" Caliper Tilia tomentosa & cvs - Silver Linden.....	158.71
32 93 43 00-0784	EA	4" Caliper Tilia tomentosa & cvs - Silver Linden.....	183.77
32 93 43 00-0785	EA	4-1/2" Caliper Tilia tomentosa & cvs - Silver Linden.....	217.18
32 93 43 00-0786	EA	5" Caliper Tilia tomentosa & cvs - Silver Linden.....	284.00
32 93 43 00-0787	EA	2" Caliper Tilia x euchlora - Crimean Linden.....	116.94
32 93 43 00-0788	EA	2-1/2" Caliper Tilia x euchlora - Crimean Linden.....	150.35
32 93 43 00-0789	EA	3" Caliper Tilia x euchlora - Crimean Linden.....	183.77
32 93 43 00-0790	EA	3-1/2" Caliper Tilia x euchlora - Crimean Linden.....	208.83
32 93 43 00-0791	EA	4" Caliper Tilia x euchlora - Crimean Linden.....	233.89
32 93 43 00-0792	EA	4-1/2" Caliper Tilia x euchlora - Crimean Linden.....	263.12
32 93 43 00-0793	EA	5" Caliper Tilia x euchlora - Crimean Linden.....	284.00
32 93 43 00-0794	EA	2" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm.....	116.94
32 93 43 00-0795	EA	2-1/2" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm.....	133.65
32 93 43 00-0796	EA	3" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm.....	146.18
32 93 43 00-0797	EA	3-1/2" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm.....	158.71
32 93 43 00-0798	EA	4" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm.....	175.41
32 93 43 00-0799	EA	4-1/2" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm.....	208.83
32 93 43 00-0800	EA	5" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm.....	246.41
32 93 43 00-0801	EA	2" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm.....	133.65
32 93 43 00-0802	EA	2-1/2" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm.....	146.18
32 93 43 00-0803	EA	3" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm.....	158.71
32 93 43 00-0804	EA	3-1/2" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm.....	175.41
32 93 43 00-0805	EA	4" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm.....	208.83
32 93 43 00-0806	EA	4-1/2" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm.....	246.41
32 93 43 00-0807	EA	5" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm.....	284.00
32 93 43 00-0808	EA	2" Caliper Ulmus x `Regal' - Regal Hybrid Elm.....	133.65
32 93 43 00-0809	EA	2-1/2" Mary-Louise Parker Ulmus x `Regal' - Regal Hybrid Elm.....	146.18
32 93 43 00-0810	EA	3" Caliper Ulmus x `Regal' - Regal Hybrid Elm.....	158.71
32 93 43 00-0811	EA	3-1/2" Caliper Ulmus x `Regal' - Regal Hybrid Elm.....	175.41
32 93 43 00-0812	EA	4" Caliper Ulmus x `Regal' - Regal Hybrid Elm.....	208.83
32 93 43 00-0813	EA	4-1/2" Caliper Ulmus x `Regal' - Regal Hybrid Elm.....	246.41
32 93 43 00-0814	EA	5" Caliper Ulmus x `Regal' - Regal Hybrid Elm.....	284.00
32 93 43 00-0815	EA	1-1/2" To 2" Caliper Zelkova serrata - Japanese Keaki Tree.....	64.64
32 93 43 00-0816	EA	2" To 2-1/2" Caliper Zelkova serrata - Japanese Keaki Tree.....	79.18
32 93 43 00-0817	EA	2-1/2" To 3" Caliper Zelkova serrata - Japanese Keaki Tree.....	100.32

32 93 43 00-0818

**Evergreen Trees** (32 93 43)

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0819	EA	6' Abies balsamea - Balsam Fir.....	94.41
32 93 43 00-0820	EA	7' Abies balsamea - Balsam Fir.....	118.01
32 93 43 00-0821	EA	8' Abies balsamea - Balsam Fir.....	141.61
32 93 43 00-0822	EA	9' Abies balsamea - Balsam Fir.....	188.82
32 93 43 00-0823	EA	10' Abies balsamea - Balsam Fir.....	236.02
32 93 43 00-0824	EA	12' Abies balsamea - Balsam Fir.....	283.23
32 93 43 00-0825	EA	6' Abies concolor - White Fir.....	136.89
32 93 43 00-0826	EA	7' Abies concolor - White Fir.....	155.77
32 93 43 00-0827	EA	8' Abies concolor - White Fir.....	184.10
32 93 43 00-0828	EA	9' Abies concolor - White Fir.....	212.42
32 93 43 00-0829	EA	10' Abies concolor - White Fir.....	250.18
32 93 43 00-0830	EA	12' Abies concolor - White Fir.....	306.83
32 93 43 00-0831	EA	14' Abies concolor - White Fir.....	377.63
32 93 43 00-0832	EA	16' Abies concolor - White Fir.....	424.84
32 93 43 00-0833	EA	6' Abies fraseri - Frasier Fir.....	94.41
32 93 43 00-0834	EA	7' Abies fraseri - Frasier Fir.....	118.01
32 93 43 00-0835	EA	8' Abies fraseri - Frasier Fir.....	141.61
32 93 43 00-0836	EA	9' Abies fraseri - Frasier Fir.....	188.82
32 93 43 00-0837	EA	10' Abies fraseri - Frasier Fir.....	236.02
32 93 43 00-0838	EA	12' Abies fraseri - Frasier Fir.....	283.23
32 93 43 00-0839	EA	2' To 3' Cedrus atlantica - Blue Atlas Cedar.....	17.00
32 93 43 00-0840	EA	3' To 4' Cedrus atlantica - Blue Atlas Cedar.....	27.33
32 93 43 00-0841	EA	4' To 5' Cedrus atlantica - Blue Atlas Cedar.....	40.61
32 93 43 00-0842	EA	5' To 6' Cedrus atlantica - Blue Atlas Cedar.....	54.63
32 93 43 00-0843	EA	7' To 8' Cedrus atlantica - Blue Atlas Cedar.....	77.57
32 93 43 00-0844	EA	6' To 8' Cedrus deodara - Indian Cedar.....	70.18
32 93 43 00-0845	EA	8' To 10' Cedrus deodara - Indian Cedar.....	81.26
32 93 43 00-0846	EA	10' To 12' Cedrus deodara - Indian Cedar.....	110.79
32 93 43 00-0847	EA	12' To 14' Cedrus deodara - Indian Cedar.....	144.02
32 93 43 00-0848	EA	14' To 16' Cedrus deodara - Indian Cedar.....	184.67
32 93 43 00-0849	EA	15" To 18" Chamaecyparis obtusa - Compact Hinoki Cypress.....	21.94
32 93 43 00-0850	EA	18" To 24" Chamaecyparis obtusa - Compact Hinoki Cypress.....	32.91
32 93 43 00-0851	EA	2' To 3' Chamaecyparis obtusa - Compact Hinoki Cypress.....	51.19
32 93 43 00-0852	EA	3' To 4' Chamaecyparis obtusa - Compact Hinoki Cypress.....	87.75
32 93 43 00-0853	EA	4' To 5' Chamaecyparis pisifera - Sawara Cypress.....	26.59

**32 Exterior Improvements**

**32 90 Planting**

**32 93 Plants**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0854	EA	5'	To 6' Chamaecyparis pisifera - Sawara Cypress.....	41.39	
32 93 43 00-0855	EA	6'	To 7' Chamaecyparis pisifera - Sawara Cypress.....	51.69	
32 93 43 00-0856	EA	7'	To 8' Chamaecyparis pisifera - Sawara Cypress.....	73.87	
32 93 43 00-0857	EA	1	Gallon Cleyera japonica - Japanese Cleyera.....	2.99	
32 93 43 00-0858	EA	3	Gallon Cleyera japonica - Japanese Cleyera.....	7.51	
32 93 43 00-0859	EA	7	Gallon Cleyera japonica - Japanese Cleyera.....	21.50	
32 93 43 00-0860	EA	5	Gallon Cupressocyparis leylandii - Leyland Cypress.....	12.07	
32 93 43 00-0861	EA	15	Gallon Cupressocyparis leylandii - Leyland Cypress.....	48.28	
32 93 43 00-0862	EA	4'	To 5' Cupressocyparis leylandii - Leyland Cypress.....	21.12	
32 93 43 00-0863	EA	5'	To 6' Cupressocyparis leylandii - Leyland Cypress.....	27.16	
32 93 43 00-0864	EA	6'	To 7' Cupressocyparis leylandii - Leyland Cypress.....	42.24	
32 93 43 00-0865	EA	24"	Box Cupressocyparis leylandii - Leyland Cypress.....	102.59	
32 93 43 00-0866	EA	1	Gallon Cupressus macrocarpa - Monterey Cypress.....	2.20	
32 93 43 00-0867	EA	5	Gallon Cupressus macrocarpa - Monterey Cypress.....	9.90	
32 93 43 00-0868	EA	15	Gallon Cupressus macrocarpa - Monterey Cypress.....	33.01	
32 93 43 00-0869	EA	5	Gallon Cupressus sempervirens - Italian Cypress.....	11.36	
32 93 43 00-0870	EA	15	Gallon Cupressus sempervirens - Italian Cypress.....	31.24	
32 93 43 00-0871	EA	1	Gallon Illicium anisatum - Anise Tree.....	3.25	
32 93 43 00-0872	EA	3	Gallon Illicium anisatum - Anise Tree.....	7.51	
32 93 43 00-0873	EA	1	Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper.....	3.34	
32 93 43 00-0874	EA	2	Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper.....	6.53	
32 93 43 00-0875	EA	3	Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper.....	8.09	
32 93 43 00-0876	EA	5	Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper.....	9.51	
32 93 43 00-0877	EA	1	Gallon Juniperus - Blue Sargent Juniper.....	3.34	
32 93 43 00-0878	EA	2	Gallon Juniperus - Blue Sargent Juniper.....	6.53	
32 93 43 00-0879	EA	3	Gallon Juniperus - Blue Sargent Juniper.....	8.09	
32 93 43 00-0880	EA	5	Gallon Juniperus - Blue Sargent Juniper.....	9.51	
32 93 43 00-0881	EA	5	Gallon Juniperus - Compact Pfitzer Juniper.....	9.51	
32 93 43 00-0882	EA	15"	To 18" Juniperus - Compact Pfitzer Juniper.....	10.29	
32 93 43 00-0883	EA	18"	To 24" Juniperus - Compact Pfitzer Juniper.....	12.42	
32 93 43 00-0884	EA	2'	To 2 1/2' Juniperus - Compact Pfitzer Juniper.....	18.46	
32 93 43 00-0885	EA	2-1/2'	To 3' Juniperus - Compact Pfitzer Juniper.....	21.37	
32 93 43 00-0886	EA	5'	To 6' Juniperus - Fairview Juniper.....	31.83	
32 93 43 00-0887	EA	1	Gallon Juniperus - Hollywood Juniper.....	4.26	
32 93 43 00-0888	EA	5	Gallon Juniperus - Hollywood Juniper.....	11.86	
32 93 43 00-0889	EA	15	Gallon Juniperus - Hollywood Juniper.....	50.27	
32 93 43 00-0890	EA	4'	To 5' Juniperus - Hollywood Juniper.....	33.23	
32 93 43 00-0891	EA	5'	To 6' Juniperus - Hollywood Juniper.....	42.81	
32 93 43 00-0892	EA	1	Gallon Juniperus - Parson's Juniper.....	3.34	
32 93 43 00-0893	EA	2	Gallon Juniperus - Parson's Juniper.....	6.60	
32 93 43 00-0894	EA	3	Gallon Juniperus - Parson's Juniper.....	8.16	
32 93 43 00-0895	EA	5	Gallon Juniperus - Parson's Juniper.....	9.66	
32 93 43 00-0896	EA	5	Gallon Juniperus - Skyrocket Juniper.....	11.93	
32 93 43 00-0897	EA	15	Gallon Juniperus - Skyrocket Juniper.....	50.76	
32 93 43 00-0898	EA	2'	To 3' Juniperus - Skyrocket Juniper.....	17.89	
32 93 43 00-0899	EA	3'	To 4' Juniperus - Skyrocket Juniper.....	25.35	
32 93 43 00-0900	EA	4'	To 5' Juniperus - Skyrocket Juniper.....	33.58	
32 93 43 00-0901	EA	5'	To 6' Juniperus - Skyrocket Juniper.....	43.31	
32 93 43 00-0902	EA	6'	To 8' Juniperus - Skyrocket Juniper.....	55.95	
32 93 43 00-0903	EA	1	Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper.....	3.34	
32 93 43 00-0904	EA	2	Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper.....	6.57	
32 93 43 00-0905	EA	3	Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper.....	8.06	
32 93 43 00-0906	EA	5	Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper.....	9.55	
32 93 43 00-0907	EA	1	Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper.....	3.34	
32 93 43 00-0908	EA	2	Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper.....	6.57	
32 93 43 00-0909	EA	3	Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper.....	8.06	
32 93 43 00-0910	EA	5	Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper.....	9.55	
32 93 43 00-0911	EA	2'	To 3' Juniperus virginiana - Eastern Red Cedar.....	17.89	
32 93 43 00-0912	EA	3'	To 4' Juniperus virginiana - Eastern Red Cedar.....	25.35	
32 93 43 00-0913	EA	4'	To 5' Juniperus virginiana - Eastern Red Cedar.....	33.58	
32 93 43 00-0914	EA	5'	To 6' Juniperus virginiana - Eastern Red Cedar.....	43.31	
32 93 43 00-0915	EA	5'	Picea abies & cvs - Norway Spruce.....	103.85	
32 93 43 00-0916	EA	6'	Picea abies & cvs - Norway Spruce.....	118.01	
32 93 43 00-0917	EA	7'	Picea abies & cvs - Norway Spruce.....	141.61	
32 93 43 00-0918	EA	8'	Picea abies & cvs - Norway Spruce.....	165.22	
32 93 43 00-0919	EA	9'	Picea abies & cvs - Norway Spruce.....	221.86	
32 93 43 00-0920	EA	10'	Picea abies & cvs - Norway Spruce.....	269.06	
32 93 43 00-0921	EA	12'	Picea abies & cvs - Norway Spruce.....	330.43	
32 93 43 00-0922	EA	14'	Picea abies & cvs - Norway Spruce.....	401.24	
32 93 43 00-0923	EA	6'	Picea glauca - White Spruce.....	99.13	
32 93 43 00-0924	EA	7'	Picea glauca - White Spruce.....	141.61	
32 93 43 00-0925	EA	8'	Picea glauca - White Spruce.....	165.22	
32 93 43 00-0926	EA	9'	Picea glauca - White Spruce.....	198.26	
32 93 43 00-0927	EA	10'	Picea glauca - White Spruce.....	236.02	
32 93 43 00-0928	EA	12'	Picea glauca - White Spruce.....	283.23	
32 93 43 00-0929	EA	4'	Picea glauca densata - Black Hills Spruce.....	56.65	
32 93 43 00-0930	EA	5'	Picea glauca densata - Black Hills Spruce.....	84.97	
32 93 43 00-0931	EA	6'	Picea glauca densata - Black Hills Spruce.....	127.45	
32 93 43 00-0932	EA	7'	Picea glauca densata - Black Hills Spruce.....	151.05	
32 93 43 00-0933	EA	8'	Picea glauca densata - Black Hills Spruce.....	174.66	
32 93 43 00-0934	EA	9'	Picea glauca densata - Black Hills Spruce.....	193.54	
32 93 43 00-0935	EA	10'	Picea glauca densata - Black Hills Spruce.....	212.42	
32 93 43 00-0936	EA	6'	Picea omorika & cvs - Serbian Spruce.....	127.45	
32 93 43 00-0937	EA	7'	Picea omorika & cvs - Serbian Spruce.....	141.61	
32 93 43 00-0938	EA	8'	Picea omorika & cvs - Serbian Spruce.....	169.94	

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST

32 93 43 00-0939	EA	9' Picea omorika & cvs - Serbian Spruce	198.26	
32 93 43 00-0940	EA	10' Picea omorika & cvs - Serbian Spruce	226.58	
32 93 43 00-0941	EA	5' Picea pungens - Colorado Green Spruce	103.85	
32 93 43 00-0942	EA	6' Picea pungens - Colorado Green Spruce	132.17	
32 93 43 00-0943	EA	7' Picea pungens - Colorado Green Spruce	155.77	
32 93 43 00-0944	EA	8' Picea pungens - Colorado Green Spruce	179.38	
32 93 43 00-0945	EA	9' Picea pungens - Colorado Green Spruce	207.70	
32 93 43 00-0946	EA	10' Picea pungens - Colorado Green Spruce	391.80	
32 93 43 00-0947	EA	12' Picea pungens - Colorado Green Spruce	283.23	
32 93 43 00-0948	EA	14' Picea pungens - Colorado Green Spruce	330.43	
32 93 43 00-0949	EA	16' Picea pungens - Colorado Green Spruce	424.84	
32 93 43 00-0950	EA	5' Picea pungens glauca & cvs - Colorado Blue Spruce	103.85	
32 93 43 00-0951	EA	6' Picea pungens glauca & cvs - Colorado Blue Spruce	141.61	
32 93 43 00-0952	EA	7' Picea pungens glauca & cvs - Colorado Blue Spruce	165.22	
32 93 43 00-0953	EA	8' Picea pungens glauca & cvs - Colorado Blue Spruce	188.82	
32 93 43 00-0954	EA	9' Picea pungens glauca & cvs - Colorado Blue Spruce	212.42	
32 93 43 00-0955	EA	10' Picea pungens glauca & cvs - Colorado Blue Spruce	259.62	
32 93 43 00-0956	EA	12' Picea pungens glauca & cvs - Colorado Blue Spruce	330.43	
32 93 43 00-0957	EA	16' Picea pungens glauca & cvs - Colorado Blue Spruce	495.65	
32 93 43 00-0958	EA	4' Pinus cembra - Swiss Stone Pine	80.25	
32 93 43 00-0959	EA	5' Pinus cembra - Swiss Stone Pine	99.13	
32 93 43 00-0960	EA	6' Pinus cembra - Swiss Stone Pine	122.73	
32 93 43 00-0961	EA	6' Pinus flexilis & cvs - Limber Pine	118.01	
32 93 43 00-0962	EA	7' Pinus flexilis & cvs - Limber Pine	136.89	
32 93 43 00-0963	EA	8' Pinus flexilis & cvs - Limber Pine	169.94	
32 93 43 00-0964	EA	9' Pinus flexilis & cvs - Limber Pine	207.70	
32 93 43 00-0965	EA	10' Pinus flexilis & cvs - Limber Pine	236.02	
32 93 43 00-0966	EA	1 Gallon Pinus mugo - Mugho Pine	4.40	
32 93 43 00-0967	EA	2 Gallon Pinus mugo - Mugho Pine	9.30	
32 93 43 00-0968	EA	3 Gallon Pinus mugo - Mugho Pine	11.64	
32 93 43 00-0969	EA	5 Gallon Pinus mugo - Mugho Pine	14.77	
32 93 43 00-0970	EA	12" To 15" Spread Pinus mugo - Mugho Pine	11.43	
32 93 43 00-0971	EA	15" To 18" Spread Pinus mugo - Mugho Pine	13.63	
32 93 43 00-0972	EA	18" To 24" Spread Pinus mugo - Mugho Pine	18.46	
32 93 43 00-0973	EA	2' To 2-1/2' Spread Pinus mugo - Mugho Pine	25.84	
32 93 43 00-0974	EA	2-1/2' To 3' Spread Pinus mugo - Mugho Pine	33.23	
32 93 43 00-0975	EA	3' To 3-1/2' Spread Pinus mugo - Mugho Pine	41.39	
32 93 43 00-0976	EA	3-1/2' To 4' Spread Pinus mugo - Mugho Pine	50.27	
32 93 43 00-0977	EA	6' Pinus nigra - Austrian Pine	118.01	
32 93 43 00-0978	EA	7' Pinus nigra - Austrian Pine	141.61	
32 93 43 00-0979	EA	8' Pinus nigra - Austrian Pine	184.10	
32 93 43 00-0980	EA	9' Pinus nigra - Austrian Pine	212.42	
32 93 43 00-0981	EA	10' Pinus nigra - Austrian Pine	250.18	
32 93 43 00-0982	EA	12' Pinus nigra - Austrian Pine	283.23	
32 93 43 00-0983	EA	14' Pinus nigra - Austrian Pine	316.27	
32 93 43 00-0984	EA	16' Pinus nigra - Austrian Pine	358.75	
32 93 43 00-0985	EA	5' Pinus peuce - Macedonian Pine	146.33	
32 93 43 00-0986	EA	6' Pinus peuce - Macedonian Pine	184.10	
32 93 43 00-0987	EA	7' Pinus peuce - Macedonian Pine	212.42	
32 93 43 00-0988	EA	8' Pinus peuce - Macedonian Pine	240.74	
32 93 43 00-0989	EA	9' Pinus peuce - Macedonian Pine	278.51	
32 93 43 00-0990	EA	2' Pinus strobus - Pyramidal White Pine	13.07	
32 93 43 00-0991	EA	3' Pinus strobus - Pyramidal White Pine	17.47	
32 93 43 00-0992	EA	4' Pinus strobus - Pyramidal White Pine	19.27	
32 93 43 00-0993	EA	5' Pinus strobus - Pyramidal White Pine	21.07	
32 93 43 00-0994	EA	6' Pinus strobus - Pyramidal White Pine	26.26	
32 93 43 00-0995	EA	7' Pinus strobus - Pyramidal White Pine	34.94	
32 93 43 00-0996	EA	8' Pinus strobus - Pyramidal White Pine	48.01	
32 93 43 00-0997	EA	10' Pinus strobus - Pyramidal White Pine	95.79	
32 93 43 00-0998	EA	12' Pinus strobus - Pyramidal White Pine	227.65	
32 93 43 00-0999	EA	14' Pinus strobus - Pyramidal White Pine	305.41	
32 93 43 00-1000	EA	16' Pinus strobus - Pyramidal White Pine	367.39	
32 93 43 00-1001	EA	2' Pinus strobus - White Pine	20.09	
32 93 43 00-1002	EA	3' Pinus strobus - White Pine	28.66	
32 93 43 00-1003	EA	4' Pinus strobus - White Pine	45.71	
32 93 43 00-1004	EA	5' Pinus strobus - White Pine	65.14	
32 93 43 00-1005	EA	6' Pinus strobus - White Pine	95.54	
32 93 43 00-1006	EA	7' Pinus strobus - White Pine	114.00	
32 93 43 00-1007	EA	8' Pinus strobus - White Pine	154.17	
32 93 43 00-1008	EA	10' Pinus strobus - White Pine	207.37	
32 93 43 00-1009	EA	12' Pinus strobus - White Pine	274.68	
32 93 43 00-1010	EA	14' Pinus strobus - White Pine	336.57	
32 93 43 00-1011	EA	16' Pinus strobus - White Pine	409.31	
32 93 43 00-1012	EA	3' Pinus sylvestris - Scotch Pine	31.01	
32 93 43 00-1013	EA	4' Pinus sylvestris - Scotch Pine	43.05	
32 93 43 00-1014	EA	5' Pinus sylvestris - Scotch Pine	60.42	
32 93 43 00-1015	EA	6' Pinus sylvestris - Scotch Pine	83.83	
32 93 43 00-1016	EA	7' Pinus sylvestris - Scotch Pine	102.72	
32 93 43 00-1017	EA	8' Pinus sylvestris - Scotch Pine	145.01	
32 93 43 00-1018	EA	9' Pinus sylvestris - Scotch Pine	184.10	
32 93 43 00-1019	EA	10' Pinus sylvestris - Scotch Pine	212.42	
32 93 43 00-1020	EA	12' Pinus sylvestris - Scotch Pine	250.18	
32 93 43 00-1021	EA	14' Pinus sylvestris - Scotch Pine	283.23	
32 93 43 00-1022	EA	16' Pinus sylvestris - Scotch Pine	330.43	
32 93 43 00-1023	EA	5' To 6' Pinus taeda - Loblolly Pine	13.50	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 93 43 00-1024	EA	1 Gallon Pinus thunbergiana - Japanese Black Pine	3.34
32 93 43 00-1025	EA	5 Gallon Pinus thunbergiana - Japanese Black Pine	11.86
32 93 43 00-1026	EA	15 Gallon Pinus thunbergiana - Japanese Black Pine	38.41
32 93 43 00-1027	EA	2' To 3' Pinus thunbergiana - Japanese Black Pine	16.26
32 93 43 00-1028	EA	3' To 4' Pinus thunbergiana - Japanese Black Pine	20.66
32 93 43 00-1029	EA	4' To 5' Pinus thunbergiana - Japanese Black Pine	31.03
32 93 43 00-1030	EA	5' To 6' Pinus thunbergiana - Japanese Black Pine	60.56
32 93 43 00-1031	EA	6' To 7' Pinus thunbergiana - Japanese Black Pine	67.95
32 93 43 00-1032	EA	7' To 8' Pinus thunbergiana - Japanese Black Pine	84.91
32 93 43 00-1033	EA	1 Gallon Podocarpus - Chinese Podocarpus	2.20
32 93 43 00-1034	EA	3 Gallon Podocarpus - Chinese Podocarpus	5.11
32 93 43 00-1035	EA	7 Gallon Podocarpus - Chinese Podocarpus	14.77
32 93 43 00-1036	EA	15 Gallon Podocarpus - Chinese Podocarpus	24.00
32 93 43 00-1037	EA	4' To 5' Podocarpus - Chinese Podocarpus	36.92
32 93 43 00-1038	EA	5' Pseudotsuga menziesii - Douglas Fir	94.41
32 93 43 00-1039	EA	6' Pseudotsuga menziesii - Douglas Fir	113.29
32 93 43 00-1040	EA	7' Pseudotsuga menziesii - Douglas Fir	141.61
32 93 43 00-1041	EA	8' Pseudotsuga menziesii - Douglas Fir	169.94
32 93 43 00-1042	EA	9' Pseudotsuga menziesii - Douglas Fir	212.42
32 93 43 00-1043	EA	10' Pseudotsuga menziesii - Douglas Fir	250.18
32 93 43 00-1044	EA	12' Pseudotsuga menziesii - Douglas Fir	283.23
32 93 43 00-1045	EA	5' To 6' Sequoia sempervirens - Dawn Redwood	46.15
32 93 43 00-1046	EA	6' To 8' Sequoia sempervirens - Dawn Redwood	62.30
32 93 43 00-1047	EA	8' To 10' Sequoia sempervirens - Dawn Redwood	76.15
32 93 43 00-1048	EA	5' To 6' Taxodium distichum & cvs - Bald Cypress	32.80
32 93 43 00-1049	EA	6' To 7' Taxodium distichum & cvs - Bald Cypress	41.00
32 93 43 00-1050	EA	7' To 8' Taxodium distichum & cvs - Bald Cypress	50.69
32 93 43 00-1051	EA	8' To 10' Taxodium distichum & cvs - Bald Cypress	64.15
32 93 43 00-1052	EA	6' Tsuga canadensis - Northern Hemlock	94.41
32 93 43 00-1053	EA	7' Tsuga canadensis - Northern Hemlock	118.01
32 93 43 00-1054	EA	8' Tsuga canadensis - Northern Hemlock	160.49
32 93 43 00-1055	EA	9' Tsuga canadensis - Northern Hemlock	188.82
32 93 43 00-1056	EA	10' Tsuga canadensis - Northern Hemlock	212.42
32 93 43 00-1057	EA	12' Tsuga canadensis - Northern Hemlock	236.02
32 93 43 00-1058	EA	3' To 4' Thuja occidentalis 'Wareana' - Siberian Arborvitae	8.90
32 93 43 00-1059	EA	3' To 4' Thuja occidentalis 'Woodwardii' - Woodward Arborvitae	19.97

**32 93 43 00-1060 Palm And Subtropical Trees (32 93 43)**

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-1061	EA	4' To 5' Archontophoenix cunninghamiana - King Palm	87.19
32 93 43 00-1062	EA	6' To 8' Archontophoenix cunninghamiana - King Palm	135.64
32 93 43 00-1063	EA	8' To 10' Archontophoenix cunninghamiana - King Palm	174.39
32 93 43 00-1064	EA	10' To 12' Archontophoenix cunninghamiana - King Palm	232.52
32 93 43 00-1065	EA	4' To 5' Arecastrum romanzoffianum - Queen Palm	66.06
32 93 43 00-1066	EA	6' To 8' Arecastrum romanzoffianum - Queen Palm	92.48
32 93 43 00-1067	EA	8' To 10' Arecastrum romanzoffianum - Queen Palm	118.90
32 93 43 00-1068	EA	10' To 12' Arecastrum romanzoffianum - Queen Palm	145.32
32 93 43 00-1069	EA	12' To 14' Arecastrum romanzoffianum - Queen Palm	176.15
32 93 43 00-1070	EA	14' To 16' Arecastrum romanzoffianum - Queen Palm	220.19
32 93 43 00-1071	EA	3' To 4' Chamaedorea radicalis - Dwarf Bamboo Palm	184.96
32 93 43 00-1072	EA	5' To 6' Chamaedorea radicalis - Dwarf Bamboo Palm	290.65
32 93 43 00-1073	EA	3' To 4' Chamaerops humilis - European Fan Palm	158.54
32 93 43 00-1074	EA	5' To 6' Chamaerops humilis - European Fan Palm	211.38
32 93 43 00-1075	EA	7' To 8' Chamaerops humilis - European Fan Palm	493.22
32 93 43 00-1076	EA	9' To 10' Chamaerops humilis - European Fan Palm	845.52
32 93 43 00-1077	EA	6' To 7' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	123.30
32 93 43 00-1078	EA	8' To 10' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	246.61
32 93 43 00-1079	EA	10' To 12' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	317.07
32 93 43 00-1080	EA	12' To 14' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	440.38
32 93 43 00-1081	EA	12' To 16' Cocos nucifera - Coconut Palm	371.45
32 93 43 00-1082	EA	4' To 5' Rhapsis excelsa - Lady Palm	334.68
32 93 43 00-1083	EA	6' To 7' Rhapsis excelsa - Lady Palm	475.60
32 93 43 00-1084	EA	8' To 9' Roystonea regia - Royal Palm	269.51
32 93 43 00-1085	EA	10' To 11' Roystonea regia - Royal Palm	329.40
32 93 43 00-1086	EA	12' To 13' Roystonea regia - Royal Palm	389.29
32 93 43 00-1087	EA	14' To 15' Roystonea regia - Royal Palm	449.18
32 93 43 00-1088	EA	16' To 17' Roystonea regia - Royal Palm	509.07
32 93 43 00-1089	EA	18' To 19' Roystonea regia - Royal Palm	568.96
32 93 43 00-1090	EA	20' To 21' Roystonea regia - Royal Palm	628.86
32 93 43 00-1091	EA	10' To 16' Sabal palmetto - Cabbage Palm	136.20
32 93 43 00-1092	EA	6' To 7' Thrinax morrisii - Key Thatch Palm	369.92
32 93 43 00-1093	EA	8' To 9' Thrinax morrisii - Key Thatch Palm	475.60
32 93 43 00-1094	EA	10' To 11' Thrinax morrisii - Key Thatch Palm	581.30

**32 93 83 Planting of Trees, Shrubs and Ground Cover (32 93)**

Note: Includes moving plant(s) from truck or staging site to planting site, excavation of hole, placing plant in hole, backfill and compaction. Use appropriate gallon, height or caliper size to match with description from plant section.

**32 93 83 00-0001 Planting Trees (32 93 83)**

Note: Excludes mulch. See CSI section 32 91 13 16-0001 for mulch.

32 93 83 00-0002	EA	3" To 5" Bare Root Seedlings Tree Planting	1.23
32 93 83 00-0003	EA	6" To 10" Bare Root Seedlings Tree Planting	1.99
32 93 83 00-0004	EA	11" To 16" Bare Root Seedlings Tree Planting	2.48

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0005	EA		17" To 24" Bare Root Seedlings Tree Planting.....	3.97	
32 93 83 00-0006	EA		1 Gallon Container Tree Planting.....	19.84	
			For >10 To 25, Deduct	-0.99	
			For >25 To 50, Deduct	-2.48	
			For >50 To 100, Deduct	-3.97	
			For >100, Deduct	-5.95	
32 93 83 00-0007	EA		2 Gallon Container Tree Planting.....	27.77	
			For >10 To 25, Deduct	-1.39	
			For >25 To 50, Deduct	-3.47	
			For >50 To 100, Deduct	-5.55	
			For >100, Deduct	-8.33	
32 93 83 00-0008	EA		3 Gallon Container Tree Planting.....	35.70	
			For >10 To 25, Deduct	-1.79	
			For >25 To 50, Deduct	-4.46	
			For >50 To 100, Deduct	-7.14	
			For >100, Deduct	-10.71	
32 93 83 00-0009	EA		5 Gallon Container Tree Planting.....	59.51	
			For >10 To 25, Deduct	-2.98	
			For >25 To 50, Deduct	-7.44	
			For >50 To 100, Deduct	-11.90	
			For >100, Deduct	-17.85	
32 93 83 00-0010	EA		7 Gallon Container Tree Planting.....	79.34	
			For >10 To 25, Deduct	-3.97	
			For >25 To 50, Deduct	-9.92	
			For >50 To 100, Deduct	-15.87	
			For >100, Deduct	-23.80	
32 93 83 00-0011	EA		10 Gallon Container Tree Planting.....	103.15	
			For >10 To 25, Deduct	-5.16	
			For >25 To 50, Deduct	-12.89	
			For >50 To 100, Deduct	-20.63	
			For >100, Deduct	-30.95	
32 93 83 00-0012	EA		15 Gallon Container Tree Planting.....	146.79	
			For >10 To 25, Deduct	-7.34	
			For >25 To 50, Deduct	-18.35	
			For >50 To 100, Deduct	-29.36	
			For >100, Deduct	-44.04	
32 93 83 00-0013	EA		20 Gallon Container Tree Planting.....	242.01	
			For >10 To 25, Deduct	-12.10	
			For >25 To 50, Deduct	-30.25	
			For >50 To 100, Deduct	-48.40	
			For >100, Deduct	-72.60	
32 93 83 00-0014	EA		25 Gallon Container Tree Planting.....	313.42	
			For >10 To 25, Deduct	-15.67	
			For >25 To 50, Deduct	-39.18	
			For >50 To 100, Deduct	-62.68	
			For >100, Deduct	-94.03	
32 93 83 00-0015	EA		30 Gallon Container Tree Planting.....	376.90	
			For >10 To 25, Deduct	-18.85	
			For >25 To 50, Deduct	-47.11	
			For >50 To 100, Deduct	-75.38	
			For >100, Deduct	-113.07	
32 93 83 00-0016	EA		45 Gallon Container Tree Planting.....	468.15	
			For >10 To 25, Deduct	-23.41	
			For >25 To 50, Deduct	-58.52	
			For >50 To 100, Deduct	-93.63	
			For >100, Deduct	-140.45	
32 93 83 00-0017	EA		65 Gallon Container Tree Planting.....	555.43	
			For >10 To 25, Deduct	-27.77	
			For >25 To 50, Deduct	-69.43	
			For >50 To 100, Deduct	-111.09	
			For >100, Deduct	-166.63	
32 93 83 00-0018	EA		6' Balled And Burlapped Tree Planting.....	198.37	
			For >10 To 25, Deduct	-9.92	
			For >25 To 50, Deduct	-24.80	
			For >50 To 100, Deduct	-39.67	
			For >100, Deduct	-59.51	
32 93 83 00-0019	EA		7' Balled And Burlapped Tree Planting.....	264.23	
			For >10 To 25, Deduct	-13.21	
			For >25 To 50, Deduct	-33.03	
			For >50 To 100, Deduct	-52.85	
			For >100, Deduct	-79.27	
32 93 83 00-0020	EA		8' Balled And Burlapped Tree Planting.....	297.55	
			For >10 To 25, Deduct	-14.88	
			For >25 To 50, Deduct	-37.19	
			For >50 To 100, Deduct	-59.51	
			For >100, Deduct	-89.27	
32 93 83 00-0021	EA		10' Balled And Burlapped Tree Planting.....	347.15	
			For >10 To 25, Deduct	-17.36	
			For >25 To 50, Deduct	-43.39	
			For >50 To 100, Deduct	-69.43	
			For >100, Deduct	-104.15	
32 93 83 00-0022	EA		12' Balled And Burlapped Tree Planting.....	464.18	
			For >10 To 25, Deduct	-23.21	
			For >25 To 50, Deduct	-58.02	
			For >50 To 100, Deduct	-92.84	
			For >100, Deduct	-139.25	
32 93 83 00-0023	EA		14' Balled And Burlapped Tree Planting.....	531.63	
			For >10 To 25, Deduct	-26.58	
			For >25 To 50, Deduct	-66.45	
			For >50 To 100, Deduct	-106.33	
			For >100, Deduct	-159.49	

**32 Exterior Improvements**

**32 90 Planting**

**32 93 Plants**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 93 83 00-0024	EA	16' Balled And Burlapped Tree Planting	644.70	
		<i>For &gt;10 To 25, Deduct</i>	-32.24	
		<i>For &gt;25 To 50, Deduct</i>	-80.59	
		<i>For &gt;50 To 100, Deduct</i>	-128.94	
		<i>For &gt;100, Deduct</i>	-193.41	
32 93 83 00-0025	EA	18' Balled And Burlapped Tree Planting	773.64	
		<i>For &gt;10 To 25, Deduct</i>	-38.68	
		<i>For &gt;25 To 50, Deduct</i>	-96.71	
		<i>For &gt;50 To 100, Deduct</i>	-154.73	
		<i>For &gt;100, Deduct</i>	-232.09	
32 93 83 00-0026	EA	20' Balled And Burlapped Tree Planting	892.66	
		<i>For &gt;10 To 25, Deduct</i>	-44.63	
		<i>For &gt;25 To 50, Deduct</i>	-111.58	
		<i>For &gt;50 To 100, Deduct</i>	-178.53	
		<i>For &gt;100, Deduct</i>	-267.80	
32 93 83 00-0027	EA	1-1/2" Caliper Balled And Burlapped Tree Planting	297.55	
		<i>For &gt;10 To 25, Deduct</i>	-14.88	
		<i>For &gt;25 To 50, Deduct</i>	-37.19	
		<i>For &gt;50 To 100, Deduct</i>	-59.51	
		<i>For &gt;100, Deduct</i>	-89.27	
32 93 83 00-0028	EA	2" Caliper Balled And Burlapped Tree Planting	347.15	
		<i>For &gt;10 To 25, Deduct</i>	-17.36	
		<i>For &gt;25 To 50, Deduct</i>	-43.39	
		<i>For &gt;50 To 100, Deduct</i>	-69.43	
		<i>For &gt;100, Deduct</i>	-104.15	
32 93 83 00-0029	EA	2-1/2" Caliper Balled And Burlapped Tree Planting	466.17	
		<i>For &gt;10 To 25, Deduct</i>	-23.31	
		<i>For &gt;25 To 50, Deduct</i>	-58.27	
		<i>For &gt;50 To 100, Deduct</i>	-93.23	
		<i>For &gt;100, Deduct</i>	-139.85	
32 93 83 00-0030	EA	3" Caliper Balled And Burlapped Tree Planting	535.59	
		<i>For &gt;10 To 25, Deduct</i>	-26.78	
		<i>For &gt;25 To 50, Deduct</i>	-66.95	
		<i>For &gt;50 To 100, Deduct</i>	-107.12	
		<i>For &gt;100, Deduct</i>	-160.68	
32 93 83 00-0031	EA	3-1/2" Caliper Balled And Burlapped Tree Planting	595.11	
		<i>For &gt;10 To 25, Deduct</i>	-29.76	
		<i>For &gt;25 To 50, Deduct</i>	-74.39	
		<i>For &gt;50 To 100, Deduct</i>	-119.02	
		<i>For &gt;100, Deduct</i>	-178.53	
32 93 83 00-0032	EA	4" Caliper Balled And Burlapped Tree Planting	682.38	
		<i>For &gt;10 To 25, Deduct</i>	-34.12	
		<i>For &gt;25 To 50, Deduct</i>	-85.30	
		<i>For &gt;50 To 100, Deduct</i>	-136.48	
		<i>For &gt;100, Deduct</i>	-204.71	

**32 93 83 00-0033 Tree Pits** (32 93 83)

Note: Costs given show the tree pit size accommodates the soil ball and the type of soil excavated includes excavation, bank run sand and gravel fill for drainage, imported mix planting soil, hand backfill, perforated drainage pipe for watering, and drainage fabric. Includes one layer of woven fabric to be applied before mulch is spread. Excludes additional soil conditioners or mulch.

32 93 83 00-0034	EA	2' x 1-1/4' Deep Tree Pit	134.79	
32 93 83 00-0035	EA	2' x 2-1/2' Deep Tree Pit	202.15	
32 93 83 00-0036	EA	2-1/2' x 1-1/2' Deep Tree Pit	258.99	
32 93 83 00-0037	EA	2-1/2' x 3' Deep Tree Pit	388.40	
32 93 83 00-0038	EA	3' x 1-3/4' Deep Tree Pit	403.69	
32 93 83 00-0039	EA	3' x 3-1/2' Deep Tree Pit	602.91	
32 93 83 00-0040	EA	3-1/2' x 1-3/4' Deep Tree Pit	496.99	
32 93 83 00-0041	EA	3-1/2' x 3-1/2' Deep Tree Pit	744.64	
32 93 83 00-0042	EA	4' x 2' Deep Tree Pit	595.00	
32 93 83 00-0043	EA	4' x 4' Deep Tree Pit	892.09	
32 93 83 00-0044	EA	4-1/2' x 2' Deep Tree Pit	860.57	
32 93 83 00-0045	EA	4-1/2' x 4' Deep Tree Pit	1,292.94	
32 93 83 00-0046	EA	5' x 2-1/4' Deep Tree Pit	1,144.56	
32 93 83 00-0047	EA	5' x 4-1/2' Deep Tree Pit	1,706.95	
32 93 83 00-0048	EA	6' x 2-1/2' Deep Tree Pit	1,623.05	
32 93 83 00-0049	EA	6' x 5' Deep Tree Pit	2,431.59	
32 93 83 00-0050	EA	7' x 3' Deep Tree Pit	2,736.71	
32 93 83 00-0051	EA	7' x 6' Deep Tree Pit	4,123.10	
32 93 83 00-0052	EA	8' x 3-1/4' Deep Tree Pit	3,772.55	
32 93 83 00-0053	EA	8' x 6-1/2' Deep Tree Pit	5,656.85	

**32 93 83 00-0054 Planting Shrubs** (32 93 83)

Note: Excludes mulch. See CSI section 32 91 13 16-0001 for mulch.

32 93 83 00-0055	EA	1 Gallon Container Shrub Planting	16.87	
		<i>For &gt;10 To 25, Deduct</i>	-0.84	
		<i>For &gt;25 To 50, Deduct</i>	-2.11	
		<i>For &gt;50 To 100, Deduct</i>	-3.37	
		<i>For &gt;100, Deduct</i>	-5.06	
32 93 83 00-0056	EA	2 Gallon Container Shrub Planting	23.80	
		<i>For &gt;10 To 25, Deduct</i>	-1.19	
		<i>For &gt;25 To 50, Deduct</i>	-2.98	
		<i>For &gt;50 To 100, Deduct</i>	-4.76	
		<i>For &gt;100, Deduct</i>	-7.14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0057	EA		3 Gallon Container Shrub Planting .....	29.76	
			For >10 To 25, Deduct	-1.49	
			For >25 To 50, Deduct	-3.72	
			For >50 To 100, Deduct	-5.95	
			For >100, Deduct	-8.93	
32 93 83 00-0058	EA		4 Gallon Container Shrub Planting .....	39.68	
			For >10 To 25, Deduct	-1.98	
			For >25 To 50, Deduct	-4.96	
			For >50 To 100, Deduct	-7.94	
			For >100, Deduct	-11.90	
32 93 83 00-0059	EA		5 Gallon Container Shrub Planting .....	49.60	
			For >10 To 25, Deduct	-2.48	
			For >25 To 50, Deduct	-6.20	
			For >50 To 100, Deduct	-9.92	
			For >100, Deduct	-14.88	
32 93 83 00-0060	EA		7 Gallon Container Shrub Planting .....	67.45	
			For >10 To 25, Deduct	-3.37	
			For >25 To 50, Deduct	-8.43	
			For >50 To 100, Deduct	-13.49	
			For >100, Deduct	-20.24	
32 93 83 00-0061	EA		10 Gallon Container Shrub Planting .....	89.26	
			For >10 To 25, Deduct	-4.46	
			For >25 To 50, Deduct	-11.16	
			For >50 To 100, Deduct	-17.85	
			For >100, Deduct	-26.78	
32 93 83 00-0062	EA		15 Gallon Container Shrub Planting .....	122.99	
			For >10 To 25, Deduct	-6.15	
			For >25 To 50, Deduct	-15.37	
			For >50 To 100, Deduct	-24.60	
			For >100, Deduct	-36.90	
32 93 83 00-0063	EA		20 Gallon Container Shrub Planting .....	206.31	
			For >10 To 25, Deduct	-10.32	
			For >25 To 50, Deduct	-25.79	
			For >50 To 100, Deduct	-41.26	
			For >100, Deduct	-61.89	
32 93 83 00-0064	EA		25 Gallon Container Shrub Planting .....	264.23	
			For >10 To 25, Deduct	-13.21	
			For >25 To 50, Deduct	-33.03	
			For >50 To 100, Deduct	-52.85	
			For >100, Deduct	-79.27	
32 93 83 00-0065	EA		15" Balled And Burlapped Shrub Planting .....	55.54	
			For >10 To 25, Deduct	-2.78	
			For >25 To 50, Deduct	-6.94	
			For >50 To 100, Deduct	-11.11	
			For >100, Deduct	-16.66	
32 93 83 00-0066	EA		18" Balled And Burlapped Shrub Planting .....	57.53	
			For >10 To 25, Deduct	-2.88	
			For >25 To 50, Deduct	-7.19	
			For >50 To 100, Deduct	-11.51	
			For >100, Deduct	-17.26	
32 93 83 00-0067	EA		24" Balled And Burlapped Shrub Planting .....	63.48	
			For >10 To 25, Deduct	-3.17	
			For >25 To 50, Deduct	-7.94	
			For >50 To 100, Deduct	-12.70	
			For >100, Deduct	-19.04	
32 93 83 00-0068	EA		30" Balled And Burlapped Shrub Planting .....	63.48	
			For >10 To 25, Deduct	-3.17	
			For >25 To 50, Deduct	-7.94	
			For >50 To 100, Deduct	-12.70	
			For >100, Deduct	-19.04	
32 93 83 00-0069	EA		36" Balled And Burlapped Shrub Planting .....	69.43	
			For >10 To 25, Deduct	-3.47	
			For >25 To 50, Deduct	-8.68	
			For >50 To 100, Deduct	-13.89	
			For >100, Deduct	-20.83	
32 93 83 00-0070	EA		42" Balled And Burlapped Shrub Planting .....	73.40	
			For >10 To 25, Deduct	-3.67	
			For >25 To 50, Deduct	-9.18	
			For >50 To 100, Deduct	-14.68	
			For >100, Deduct	-22.02	
32 93 83 00-0071	EA		48" Balled And Burlapped Shrub Planting .....	79.34	
			For >10 To 25, Deduct	-3.97	
			For >25 To 50, Deduct	-9.92	
			For >50 To 100, Deduct	-15.87	
			For >100, Deduct	-23.80	
32 93 83 00-0072	EA		5' Balled And Burlapped Shrub Planting .....	119.02	
			For >10 To 25, Deduct	-5.95	
			For >25 To 50, Deduct	-14.88	
			For >50 To 100, Deduct	-23.80	
			For >100, Deduct	-35.71	
32 93 83 00-0073	EA		6' Balled And Burlapped Shrub Planting .....	168.62	
			For >10 To 25, Deduct	-8.43	
			For >25 To 50, Deduct	-21.08	
			For >50 To 100, Deduct	-33.72	
			For >100, Deduct	-50.59	
32 93 83 00-0074	EA		7' Balled And Burlapped Shrub Planting .....	224.16	
			For >10 To 25, Deduct	-11.21	
			For >25 To 50, Deduct	-28.02	
			For >50 To 100, Deduct	-44.83	
			For >100, Deduct	-67.25	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0075	EA		8' Balled And Burlapped Shrub Planting.....	253.92	
			For >10 To 25, Deduct	-12.70	
			For >25 To 50, Deduct	-31.74	
			For >50 To 100, Deduct	-50.78	
			For >100, Deduct	-76.18	
32 93 83 00-0076	EA		9' Balled And Burlapped Shrub Planting.....	273.75	
			For >10 To 25, Deduct	-13.69	
			For >25 To 50, Deduct	-34.22	
			For >50 To 100, Deduct	-54.75	
			For >100, Deduct	-82.13	
32 93 83 00-0077	EA		10' Balled And Burlapped Shrub Planting.....	297.55	
			For >10 To 25, Deduct	-14.88	
			For >25 To 50, Deduct	-37.19	
			For >50 To 100, Deduct	-59.51	
			For >100, Deduct	-89.27	
<b>32 93 83 00-0078</b>			<b>Planting Groundcover, Vines, Perennials, Annuals And Bulbs</b> (32 93 83)		
			See CSI section 32 91 13 16-0001 for mulch.		
32 93 83 00-0079	EA		2-1/4" Diameter Potted Groundcover And Flower Planting.....	1.66	
			For >10 To 25, Deduct	-0.08	
			For >25 To 50, Deduct	-0.21	
			For >50 To 100, Deduct	-0.33	
			For >100, Deduct	-0.50	
32 93 83 00-0080	EA		3" Diameter Potted Groundcover And Flower Planting.....	1.89	
			For >10 To 25, Deduct	-0.09	
			For >25 To 50, Deduct	-0.24	
			For >50 To 100, Deduct	-0.38	
			For >100, Deduct	-0.57	
32 93 83 00-0081	EA		4" Diameter Potted Groundcover And Flower Planting.....	2.21	
			For >10 To 25, Deduct	-0.11	
			For >25 To 50, Deduct	-0.28	
			For >50 To 100, Deduct	-0.44	
			For >100, Deduct	-0.66	
32 93 83 00-0082	EA		5-1/2" Diameter Potted Groundcover And Flower Planting.....	2.64	
			For >10 To 25, Deduct	-0.13	
			For >25 To 50, Deduct	-0.33	
			For >50 To 100, Deduct	-0.53	
			For >100, Deduct	-0.79	
32 93 83 00-0083	EA		6" Diameter Potted Groundcover And Flower Planting.....	3.30	
			For >10 To 25, Deduct	-0.17	
			For >25 To 50, Deduct	-0.41	
			For >50 To 100, Deduct	-0.66	
			For >100, Deduct	-0.99	
32 93 83 00-0084	EA		8" Diameter Potted Groundcover And Flower Planting.....	4.96	
			For >10 To 25, Deduct	-0.25	
			For >25 To 50, Deduct	-0.62	
			For >50 To 100, Deduct	-0.99	
			For >100, Deduct	-1.49	
32 93 83 00-0085	EA		1 Gallon Container Groundcover And Flower Planting.....	15.87	
			For >10 To 25, Deduct	-0.79	
			For >25 To 50, Deduct	-1.98	
			For >50 To 100, Deduct	-3.17	
			For >100, Deduct	-4.76	
32 93 83 00-0086	EA		2 Gallon Container Groundcover And Flower Planting.....	21.82	
			For >10 To 25, Deduct	-1.09	
			For >25 To 50, Deduct	-2.73	
			For >50 To 100, Deduct	-4.36	
			For >100, Deduct	-6.55	
32 93 83 00-0087	EA		3 Gallon Container Groundcover And Flower Planting.....	27.77	
			For >10 To 25, Deduct	-1.39	
			For >25 To 50, Deduct	-3.47	
			For >50 To 100, Deduct	-5.55	
			For >100, Deduct	-8.33	
32 93 83 00-0088	EA		4 Gallon Container Groundcover And Flower Planting.....	35.70	
			For >10 To 25, Deduct	-1.79	
			For >25 To 50, Deduct	-4.46	
			For >50 To 100, Deduct	-7.14	
			For >100, Deduct	-10.71	
32 93 83 00-0089	EA		5 Gallon Container Groundcover And Flower Planting.....	43.64	
			For >10 To 25, Deduct	-2.18	
			For >25 To 50, Deduct	-5.46	
			For >50 To 100, Deduct	-8.73	
			For >100, Deduct	-13.09	
32 93 83 00-0090	EA		7 Gallon Container Groundcover And Flower Planting.....	59.51	
			For >10 To 25, Deduct	-2.98	
			For >25 To 50, Deduct	-7.44	
			For >50 To 100, Deduct	-11.90	
			For >100, Deduct	-17.85	
32 93 83 00-0091	EA		Bulb Planting.....	0.99	
			For >10 To 25, Deduct	-0.05	
			For >25 To 50, Deduct	-0.12	
			For >50 To 100, Deduct	-0.20	
			For >100, Deduct	-0.30	
32 93 83 00-0092	EA		Flats Of 24 Groundcover And Flower Planting.....	27.77	
			For >10 To 25, Deduct	-1.39	
			For >25, Deduct	-3.47	
32 93 83 00-0093	EA		Flats Of 36 Groundcover And Flower Planting.....	39.39	
			For >10 To 25, Deduct	-1.97	
			For >25, Deduct	-4.92	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 93 83 00-0094 EA Flats Of 48 Groundcover And Flower Planting.....	52.44	
<i>For &gt;10 To 25, Deduct</i>	-2.62	
<i>For &gt;25, Deduct</i>	-6.56	

**32 94 Planting Accessories <sup>(32 90)</sup>**

**32 94 13 Landscape Edging <sup>(32 94)</sup>**

Note: Including stakes.

**32 94 13 00-0001 Landscape Edging <sup>(32 94 13)</sup>**  
Note: Includes stakes.

32 94 13 00-0002 LF 1/8" x 4", Mill Finish, Aluminum Alloy Landscape Edging .....	8.53	2.41
32 94 13 00-0003 LF 1/8" x 4", Black Paint, Aluminum Alloy Landscape Edging .....	9.30	2.41
32 94 13 00-0004 LF 1/8" x 4", Black Anodized, Aluminum Alloy Landscape Edging.....	9.35	2.41
32 94 13 00-0005 LF 3/16" x 4", Mill Finish, Aluminum Alloy Landscape Edging .....	10.70	2.49
32 94 13 00-0006 LF 3/16" x 4", Black Paint, Aluminum Alloy Landscape Edging .....	11.65	2.49
32 94 13 00-0007 LF 3/16" x 4", Black Anodized, Aluminum Alloy Landscape Edging.....	11.63	2.49
32 94 13 00-0008 LF 1/8" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging .....	9.56	2.57
32 94 13 00-0009 LF 1/8" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging .....	10.62	2.57
32 94 13 00-0010 LF 1/8" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging .....	10.72	2.57
32 94 13 00-0011 LF 3/16" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging .....	12.04	2.65
32 94 13 00-0012 LF 3/16" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging .....	13.10	2.65
32 94 13 00-0013 LF 3/16" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging .....	13.19	2.65
32 94 13 00-0014 LF 3/16" x 4" Powder Coated Steel Landscape Edging .....	10.63	2.49
32 94 13 00-0015 LF 1/4" x 5" Powder Coated Steel Landscape Edging.....	14.80	2.49

**32 94 16 Landscape Timbers <sup>(32 94)</sup>**

32 94 16 00-0001 LF 6" x 8" Railroad Ties .....	14.13	4.59
32 94 16 00-0002 LF 7" x 9" Railroad Ties .....	17.01	5.77
32 94 16 00-0003 LF 1" x 4" Redwood .....	4.92	1.64
32 94 16 00-0004 LF 2" x 4" Redwood Edging.....	6.76	2.46
32 94 16 00-0005 LF 4" x 6" Pressure Treated Hardwood .....	11.59	3.27
32 94 16 00-0006 LF 6" x 6" Pressure Treated Hardwood .....	15.36	4.10
32 94 16 00-0007 LF 6" x 8" Pressure Treated Hardwood .....	17.84	4.81
32 94 16 00-0008 LF 1" x 4" Pressure Treated Pine.....	4.12	1.64
32 94 16 00-0009 LF 2" x 4" Pressure Treated Pine.....	6.30	2.46
32 94 16 00-0010 LF 4" x 6" Pressure Treated Pine.....	10.97	3.18
32 94 16 00-0011 LF 6" x 6" Pressure Treated Pine.....	15.20	4.10
32 94 16 00-0012 LF 6" x 8" Pressure Treated Pine.....	18.84	4.81

**32 94 43 Tree Grates <sup>(32 94)</sup>**

**32 94 43 00-0001 Tree Grates With Frames <sup>(32 94 43)</sup>**

**32 94 43 00-0002 Round Cast Iron Tree Grates With Frames <sup>(32 94 43 00-0001)</sup>**

32 94 43 00-0003 EA 32" Diameter, 100 To 150 LB Cast Iron Tree Grate With Frame .....	870.88	60.48
<i>For &gt;3 To 9, Deduct</i>	-56.24	
<i>For &gt;9, Deduct</i>	-116.24	
32 94 43 00-0004 EA 36" Diameter, 125 To 175 LB Cast Iron Tree Grate With Frame .....	1,007.21	60.48
<i>For &gt;3 To 9, Deduct</i>	-66.47	
<i>For &gt;9, Deduct</i>	-137.37	
32 94 43 00-0005 EA 42" Diameter, 150 To 200 LB Cast Iron Tree Grate With Frame .....	1,217.97	80.64
<i>For &gt;3 To 9, Deduct</i>	-79.25	
<i>For &gt;9, Deduct</i>	-163.79	
32 94 43 00-0006 EA 48" Diameter, 200 To 250 LB Cast Iron Tree Grate With Frame .....	1,514.72	80.64
<i>For &gt;3 To 9, Deduct</i>	-101.51	
<i>For &gt;9, Deduct</i>	-209.78	
32 94 43 00-0007 EA 54" Diameter, 300 To 350 LB Cast Iron Tree Grate With Frame .....	1,942.03	100.80
<i>For &gt;3 To 9, Deduct</i>	-130.53	
<i>For &gt;9, Deduct</i>	-269.77	
32 94 43 00-0008 EA 60" Diameter, Up To 350 LB Cast Iron Tree Grate With Frame.....	2,038.48	120.96
<i>For &gt;3 To 9, Deduct</i>	-134.74	
<i>For &gt;9, Deduct</i>	-278.47	
32 94 43 00-0009 EA 60" Diameter, >350 LB Cast Iron Tree Grate With Frame .....	2,245.00	120.96
<i>For &gt;3 To 9, Deduct</i>	-150.23	
<i>For &gt;9, Deduct</i>	-310.48	
32 94 43 00-0010 EA 72" Diameter, Up To 550 LB Cast Iron Tree Grate With Frame.....	2,989.44	171.36
<i>For &gt;3 To 9, Deduct</i>	-198.50	
<i>For &gt;9, Deduct</i>	-410.24	
32 94 43 00-0011 EA 72" Diameter, >500 To 550 LB Cast Iron Tree Grate With Frame .....	3,109.75	171.36
<i>For &gt;3 To 9, Deduct</i>	-207.53	
<i>For &gt;9, Deduct</i>	-428.89	
32 94 43 00-0012 EA 72" Diameter, >600 To 650 LB Cast Iron Tree Grate With Frame .....	3,210.00	171.36
<i>For &gt;3 To 9, Deduct</i>	-215.05	
<i>For &gt;9, Deduct</i>	-444.43	
32 94 43 00-0013 EA 72" Diameter, >650 To 700 LB Cast Iron Tree Grate With Frame .....	3,290.21	171.36
<i>For &gt;3 To 9, Deduct</i>	-221.06	
<i>For &gt;9, Deduct</i>	-456.86	
32 94 43 00-0014 EA 72" Diameter, >700 LB Cast Iron Tree Grate With Frame .....	3,350.36	171.36
<i>For &gt;3 To 9, Deduct</i>	-225.57	
<i>For &gt;9, Deduct</i>	-466.19	
32 94 43 00-0015 EA 93" Diameter, 950 To 1,000 LB Cast Iron Tree Grate With Frame .....	3,675.52	201.60
<i>For &gt;3 To 9, Deduct</i>	-245.42	
<i>For &gt;9, Deduct</i>	-507.21	

32 Exterior Improvements

32 90 Planting

32 94 Planting Accessories



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 43 00-0016			Square Cast Iron Tree Grates With Frames (32 94 43 00-0001)		
32 94 43 00-0017	EA		30" x 30", 75 To 125 LB Cast Iron Tree Grate With Frame	802.69	60.48
			For >3 To 9, Deduct	-51.13	
			For >9, Deduct	-105.67	
32 94 43 00-0018	EA		36" x 36", 100 To 150 LB Cast Iron Tree Grate With Frame	973.13	60.48
			For >3 To 9, Deduct	-63.91	
			For >9, Deduct	-132.09	
32 94 43 00-0019	EA		48" x 48", Up To 200 LB Cast Iron Tree Grate With Frame	1,444.76	100.80
			For >3 To 9, Deduct	-93.24	
			For >9, Deduct	-192.69	
32 94 43 00-0020	EA		48" x 48", >200 To 250 LB Cast Iron Tree Grate With Frame	1,705.42	100.80
			For >3 To 9, Deduct	-112.79	
			For >9, Deduct	-233.09	
32 94 43 00-0021	EA		48" x 48", >250 To 300 LB Cast Iron Tree Grate With Frame	1,946.04	100.80
			For >3 To 9, Deduct	-130.83	
			For >9, Deduct	-270.39	
32 94 43 00-0022	EA		48" x 48", >300 To 350 LB Cast Iron Tree Grate With Frame	2,166.60	100.80
			For >3 To 9, Deduct	-147.38	
			For >9, Deduct	-304.58	
32 94 43 00-0023	EA		48" x 48", >350 To 400 LB Cast Iron Tree Grate With Frame	2,367.11	100.80
			For >3 To 9, Deduct	-162.41	
			For >9, Deduct	-335.65	
32 94 43 00-0024	EA		48" x 48", >400 LB Cast Iron Tree Grate With Frame	2,547.57	100.80
			For >3 To 9, Deduct	-175.95	
			For >9, Deduct	-363.63	
32 94 43 00-0025	EA		60" x 60", Up To 400 LB Cast Iron Tree Grate With Frame	2,447.75	141.12
			For >3 To 9, Deduct	-162.41	
			For >9, Deduct	-335.65	
32 94 43 00-0026	EA		60" x 60", >400 To 450 LB Cast Iron Tree Grate With Frame	2,628.21	141.12
			For >3 To 9, Deduct	-175.95	
			For >9, Deduct	-363.63	
32 94 43 00-0027	EA		60" x 60", >450 To 500 LB Cast Iron Tree Grate With Frame	2,788.62	141.12
			For >3 To 9, Deduct	-187.98	
			For >9, Deduct	-388.49	
32 94 43 00-0028	EA		60" x 60", >500 To 550 LB Cast Iron Tree Grate With Frame	2,928.97	141.12
			For >3 To 9, Deduct	-198.50	
			For >9, Deduct	-410.24	
32 94 43 00-0029	EA		60" x 60", >550 To 600 LB Cast Iron Tree Grate With Frame	3,049.28	141.12
			For >3 To 9, Deduct	-207.53	
			For >9, Deduct	-428.89	
32 94 43 00-0030	EA		60" x 60", >600 LB Cast Iron Tree Grate With Frame	3,149.53	141.12
			For >3 To 9, Deduct	-215.05	
			For >9, Deduct	-444.43	
32 94 43 00-0031	EA		72" x 72", Up To 550 LB Cast Iron Tree Grate With Frame	2,989.44	171.36
			For >3 To 9, Deduct	-198.50	
			For >9, Deduct	-410.24	
32 94 43 00-0032	EA		72" x 72", >550 To 600 LB Cast Iron Tree Grate With Frame	3,109.75	171.36
			For >3 To 9, Deduct	-207.53	
			For >9, Deduct	-428.89	
32 94 43 00-0033	EA		72" x 72", >600 To 650 LB Cast Iron Tree Grate With Frame	3,210.00	171.36
			For >3 To 9, Deduct	-215.05	
			For >9, Deduct	-444.43	
32 94 43 00-0034	EA		72" x 72", >650 To 700 LB Cast Iron Tree Grate With Frame	3,290.21	171.36
			For >3 To 9, Deduct	-221.06	
			For >9, Deduct	-456.86	
32 94 43 00-0035	EA		72" x 72", >700 To 750 LB Cast Iron Tree Grate With Frame	3,350.36	171.36
			For >3 To 9, Deduct	-225.57	
			For >9, Deduct	-466.19	
32 94 43 00-0036	EA		72" x 72", >750 To 800 LB Cast Iron Tree Grate With Frame	3,390.46	171.36
			For >3 To 9, Deduct	-228.58	
			For >9, Deduct	-472.40	
32 94 43 00-0037	EA		72" x 72", >800 To 850 LB Cast Iron Tree Grate With Frame	3,410.51	171.36
			For >3 To 9, Deduct	-230.09	
			For >9, Deduct	-475.51	
32 94 43 00-0038	EA		72" x 72", >850 LB Cast Iron Tree Grate With Frame	3,430.56	171.36
			For >3 To 9, Deduct	-231.59	
			For >9, Deduct	-478.62	
32 94 43 00-0039			Rectangular Cast Iron Tree Grates With Frames (32 94 43 00-0001)		
32 94 43 00-0040	EA		36" x 48", 200 To 250 LB Cast Iron Tree Grate With Frame	1,514.72	80.64
			For >3 To 9, Deduct	-101.51	
			For >9, Deduct	-209.78	
32 94 43 00-0041	EA		36" x 60", 200 To 250 LB Cast Iron Tree Grate With Frame	1,544.80	80.64
			For >3 To 9, Deduct	-103.76	
			For >9, Deduct	-214.45	
32 94 43 00-0042	EA		36" x 72", 275 To 325 LB Cast Iron Tree Grate With Frame	1,887.89	100.80
			For >3 To 9, Deduct	-126.47	
			For >9, Deduct	-261.37	
32 94 43 00-0043	EA		48" x 72", Up To 350 LB Cast Iron Tree Grate With Frame	2,222.74	100.80
			For >3 To 9, Deduct	-151.59	
			For >9, Deduct	-313.28	
32 94 43 00-0044	EA		48" x 72", >350 LB Cast Iron Tree Grate With Frame	2,367.11	100.80
			For >3 To 9, Deduct	-162.41	
			For >9, Deduct	-335.65	
32 94 43 00-0045	EA		60" x 84", 700 To 750 LB Cast Iron Tree Grate With Frame	3,169.90	171.36
			For >3 To 9, Deduct	-212.04	
			For >9, Deduct	-438.21	

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

**32 94 49 Plant and Tree Accessories (32 94)**

32 94 49 00-0001	Tree Guying (32 94 49)		
32 94 49 00-0002	Tree Guying, Stakes (32 94 49 00-0001)	Note: Includes stakes, cross brace, double #12 gauge twisted wire and reinforced rubber hose tree wrap.	
32 94 49 00-0003	EA Tree Guying Up To 2" Caliper, 2 Stakes, Guy Wire And Wrap .....		27.62
32 94 49 00-0004	EA Tree Guying 2" To 3" Caliper, 2 Stakes, Guy Wire And Wrap .....		45.00
32 94 49 00-0005	EA Tree Guying 3" To 4" Caliper, 3 Stakes, Guy Wire And Wrap .....		77.57
32 94 49 00-0006	Tree Guying, Anchors (32 94 49 00-0001)	Note: Includes arrowhead anchor, cable, turnbuckles and wrap or reinforced rubber hose.	
32 94 49 00-0007	EA Tree Guying Up To 3" Caliper, 3" Anchors And Polypropylene Flat Rope .....		122.93
32 94 49 00-0008	EA Tree Guying 3" To 6" Caliper, 4" Anchors And Polypropylene Flat Rope .....		166.66
32 94 49 00-0009	EA Tree Guying 6" To 8" Caliper, 6" Anchors And Polypropylene Flat Rope .....		217.00
32 94 49 00-0010	EA Tree Guying 8" And Up Caliper, 8" Anchors And Polypropylene Flat Rope .....		274.96
32 94 49 00-0011	Tree Wrap (32 94 49)		
32 94 49 00-0012	EA Tree Wrap, Up To 1" Caliper Applied Ground Level To First Branches Of Tree .....		6.00
32 94 49 00-0013	EA Tree Wrap, 1" To 2" Caliper Applied Ground Level To First Branches Of Tree .....		9.97
32 94 49 00-0014	EA Tree Wrap, >2" To 4" Caliper Applied Ground Level To First Branches Of Tree .....		19.78
32 94 49 00-0015	EA Tree Wrap, >4" To 6" Caliper Applied Ground Level To First Branches Of Tree .....		30.59
32 94 49 00-0016	Tree Guards (32 94 49)		
32 94 49 00-0017	EA 3' Preformed Plastic Tree Guard.....		9.91
32 94 49 00-0018	EA 2' Preformed Plastic Tree Guard.....		9.12
32 94 49 00-0019	Stake Out Tree And Shrub Locations (32 94 49)	Note: When no design available.	
32 94 49 00-0020	EA Stake Out Trees Or Shrubs .....		6.05
32 94 49 00-0021	Root Barriers (32 94 49)		
32 94 49 00-0022	EA 12" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner.....		10.48
32 94 49 00-0023	EA 18" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner.....		14.84
32 94 49 00-0024	EA 24" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner.....		17.52
32 94 49 00-0025	EA 36" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner.....		32.81
32 94 49 00-0026	EA 48" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner.....		45.31

**32 96 Transplanting (32 90)**

See CSI section 32 94 49 00-0001 for guying.

**32 96 33 Shrub Transplanting (32 96)**

Note: Includes digging up, moving on site, digging new hole and replanting.

32 96 33 00-0001	Moving Shrubs On Site, Relocate (32 96 33)	Note: Includes digging up, moving on site, digging new hole and replanting. See CSI section 32 94 49 00-0001 for guying.	
32 96 33 00-0002	EA Up To 18" Root Ball, Move Shrubs On Site .....		67.82
	For >25 To 50, Deduct		-6.78
	For >50, Deduct		-10.17
32 96 33 00-0003	EA >18" To 24" Root Ball, Move Shrubs On Site .....		91.75
	For >25 To 50, Deduct		-9.18
	For >50, Deduct		-13.76
32 96 33 00-0004	EA >24" To 30" Root Ball, Move Shrubs On Site .....		155.57
	For >25 To 50, Deduct		-15.56
	For >50, Deduct		-23.34
32 96 33 00-0005	EA >30" To 36" Root Ball, Move Shrubs On Site .....		239.34
	For >25 To 50, Deduct		-23.93
	For >50, Deduct		-35.90

**32 96 43 Tree Transplanting (32 96)**

Note: Includes digging up, moving on site, digging new hole and replanting.

32 96 43 00-0001	Moving Trees On Site, Relocate (32 96 43)	Note: Includes digging up, moving on site, digging new hole and replanting. Excludes crane where necessary for trees over 20' tall. See CSI section 01 22 23 00-0801 for crane lifting equipment, 32 94 49 00-0001 for guying.	
32 96 43 00-0002	EA Up To 24" Root Ball, Move Trees On Site .....		265.79
	For >5 To 10, Deduct		-13.29
	For >10 To 20, Deduct		-26.58
	For >20, Deduct		-39.87
32 96 43 00-0003	EA >24" To 30" Root Ball, Move Trees On Site.....		364.50
	For >5 To 10, Deduct		-18.23
	For >10 To 20, Deduct		-36.45
	For >20, Deduct		-54.68
32 96 43 00-0004	EA >30" To 36" Root Ball, Move Trees On Site.....		590.63
	For >5 To 10, Deduct		-29.53
	For >10 To 20, Deduct		-59.06
	For >20, Deduct		-88.59

**32 Exterior Improvements****32 90 Planting****32 96 Transplanting**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

32 96 43 00-0005	EA	>36" To 48" Root Ball, Move Trees On Site.....	981.35	
		<i>For &gt;5 To 10, Deduct</i>	-49.07	
		<i>For &gt;10 To 20, Deduct</i>	-98.14	
		<i>For &gt;20, Deduct</i>	-147.20	
32 96 43 00-0006	EA	>48" To 60" Root Ball, Move Trees On Site.....	1,594.69	
		<i>For &gt;5 To 10, Deduct</i>	-79.73	
		<i>For &gt;10 To 20, Deduct</i>	-159.47	
		<i>For &gt;20, Deduct</i>	-239.20	
32 96 43 00-0007	EA	>60" To 72" Root Ball, Move Trees On Site.....	2,057.67	
		<i>For &gt;5 To 10, Deduct</i>	-102.88	
		<i>For &gt;10 To 20, Deduct</i>	-205.77	
		<i>For &gt;20, Deduct</i>	-308.65	
32 96 43 00-0008	EA	>72" To 84" Root Ball, Move Trees On Site.....	2,657.83	
		<i>For &gt;5 To 10, Deduct</i>	-132.89	
		<i>For &gt;10 To 20, Deduct</i>	-265.78	
		<i>For &gt;20, Deduct</i>	-398.67	
32 96 43 00-0009	EA	>84" To 96" Root Ball, Move Trees On Site.....	3,189.39	
		<i>For &gt;5 To 10, Deduct</i>	-159.47	
		<i>For &gt;10 To 20, Deduct</i>	-318.94	
		<i>For &gt;20, Deduct</i>	-478.41	
32 96 43 00-0010	EA	>96" To 120" Root Ball, Move Trees On Site.....	3,624.30	
		<i>For &gt;5 To 10, Deduct</i>	-181.22	
		<i>For &gt;10 To 20, Deduct</i>	-362.43	
		<i>For &gt;20, Deduct</i>	-543.65	

**END OF SECTION 32**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

## 33 Utilities

### 33 01 Operation and Maintenance of Utilities <sup>(33)</sup>

#### 33 01 10 Operation and Maintenance of Water Utilities <sup>(33 01)</sup>

##### 33 01 10 54 Cleaning of Water Utility Piping <sup>(33 01 10)</sup>

See CSI section 33 01 30 41-0006 for cleaning of water lines.

##### 33 01 10 58 Disinfection of Water Utility Piping Systems <sup>(33 01 10)</sup>

###### 33 01 10 58-0001 Water Main Disinfection/Sterilization <sup>(33 01 10 58)</sup>

Note: Gas chlorination. Continuous or plug method.

33 01 10 58-0002	EA	Setting Up And Removing Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method .....	927.95
33 01 10 58-0003	EA	Re-Set Up/Move Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method .....	463.97
33 01 10 58-0004	LF	Up To 4" Diameter Pipe Water Main Disinfection/Sterilization.....	0.34
		<i>For &gt;250 To 500, Deduct</i>	-0.02
		<i>For &gt;500 To 1,000, Deduct</i>	-0.03
		<i>For &gt;1,000 To 2,000, Deduct</i>	-0.05
		<i>For &gt;2,000 To 5,000, Deduct</i>	-0.07
		<i>For &gt;5,000, Deduct</i>	-0.09
33 01 10 58-0005	LF	6" Diameter Pipe Water Main Disinfection/Sterilization.....	0.53
		<i>For &gt;250 To 500, Deduct</i>	-0.03
		<i>For &gt;500 To 1,000, Deduct</i>	-0.05
		<i>For &gt;1,000 To 2,000, Deduct</i>	-0.08
		<i>For &gt;2,000 To 5,000, Deduct</i>	-0.11
		<i>For &gt;5,000, Deduct</i>	-0.13
33 01 10 58-0006	LF	8" Diameter Pipe Water Main Disinfection/Sterilization.....	0.70
		<i>For &gt;250 To 500, Deduct</i>	-0.04
		<i>For &gt;500 To 1,000, Deduct</i>	-0.07
		<i>For &gt;1,000 To 2,000, Deduct</i>	-0.11
		<i>For &gt;2,000 To 5,000, Deduct</i>	-0.14
		<i>For &gt;5,000, Deduct</i>	-0.18
33 01 10 58-0007	LF	10" Diameter Pipe Water Main Disinfection/Sterilization.....	0.82
		<i>For &gt;250 To 500, Deduct</i>	-0.04
		<i>For &gt;500 To 1,000, Deduct</i>	-0.08
		<i>For &gt;1,000 To 2,000, Deduct</i>	-0.12
		<i>For &gt;2,000 To 5,000, Deduct</i>	-0.16
		<i>For &gt;5,000, Deduct</i>	-0.21
33 01 10 58-0008	LF	12" Diameter Pipe Water Main Disinfection/Sterilization.....	1.07
		<i>For &gt;250 To 500, Deduct</i>	-0.05
		<i>For &gt;500 To 1,000, Deduct</i>	-0.11
		<i>For &gt;1,000 To 2,000, Deduct</i>	-0.16
		<i>For &gt;2,000 To 5,000, Deduct</i>	-0.21
		<i>For &gt;5,000, Deduct</i>	-0.27
33 01 10 58-0009	LF	>12" To 16" Diameter Pipe Water Main Disinfection/Sterilization .....	1.21
		<i>For &gt;250 To 500, Deduct</i>	-0.06
		<i>For &gt;500 To 1,000, Deduct</i>	-0.12
		<i>For &gt;1,000 To 2,000, Deduct</i>	-0.18
		<i>For &gt;2,000 To 5,000, Deduct</i>	-0.24
		<i>For &gt;5,000, Deduct</i>	-0.30
33 01 10 58-0010	LF	>16" To 24" Diameter Pipe Water Main Disinfection/Sterilization .....	1.39
		<i>For &gt;250 To 500, Deduct</i>	-0.07
		<i>For &gt;500 To 1,000, Deduct</i>	-0.14
		<i>For &gt;1,000 To 2,000, Deduct</i>	-0.21
		<i>For &gt;2,000 To 5,000, Deduct</i>	-0.28
		<i>For &gt;5,000, Deduct</i>	-0.35
33 01 10 58-0011	LF	>24" To 30" Diameter Pipe Water Main Disinfection/Sterilization .....	1.63
		<i>For &gt;250 To 500, Deduct</i>	-0.08
		<i>For &gt;500 To 1,000, Deduct</i>	-0.16
		<i>For &gt;1,000 To 2,000, Deduct</i>	-0.24
		<i>For &gt;2,000 To 5,000, Deduct</i>	-0.33
		<i>For &gt;5,000, Deduct</i>	-0.41
33 01 10 58-0012	LF	>30" To 42" Diameter Pipe Water Main Disinfection/Sterilization .....	2.11
		<i>For &gt;250 To 500, Deduct</i>	-0.11
		<i>For &gt;500 To 1,000, Deduct</i>	-0.21
		<i>For &gt;1,000 To 2,000, Deduct</i>	-0.32
		<i>For &gt;2,000 To 5,000, Deduct</i>	-0.42
		<i>For &gt;5,000, Deduct</i>	-0.53
33 01 10 58-0013	LF	>42" To 60" Diameter Pipe Water Main Disinfection/Sterilization .....	3.10
		<i>For &gt;250 To 500, Deduct</i>	-0.16
		<i>For &gt;500 To 1,000, Deduct</i>	-0.31
		<i>For &gt;1,000 To 2,000, Deduct</i>	-0.47
		<i>For &gt;2,000 To 5,000, Deduct</i>	-0.62
		<i>For &gt;5,000, Deduct</i>	-0.78
33 01 10 58-0014	LF	>60" Diameter Pipe Water Main Disinfection/Sterilization.....	4.29
		<i>For &gt;250 To 500, Deduct</i>	-0.21
		<i>For &gt;500 To 1,000, Deduct</i>	-0.43
		<i>For &gt;1,000 To 2,000, Deduct</i>	-0.64
		<i>For &gt;2,000 To 5,000, Deduct</i>	-0.86
		<i>For &gt;5,000, Deduct</i>	-1.07

##### 33 01 10 71 Relining Water Utilities Pipelines <sup>(33 01 10)</sup>

See CSI section 33 01 30 71-0000 for relining water pipelines.

###### 33 01 10 71-0001 Relining Underground Water Pipelines <sup>(33 01 10 71)</sup>

Note: Excludes costs for CCTV inspection, pipe cleaning, pavement; temporary and permanent, emergency after hours response for homeowners backups.

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 10 Operation and Maintenance of Water Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 10 71-0002			<b>Relining Underground Water Pipelines Set-Up And Reinsertion</b> <small>(33 01 10 71-0001)</small>		
33 01 10 71-0003	EA		Initial Set Up And Final Equipment Removal For Relining Underground Water Pipelines .....	4,900.73	
33 01 10 71-0004	EA		Move And Reset Up At Different Access/Location .....	1,960.29	
33 01 10 71-0005			<b>Lining Pipe With Cement</b> <small>(33 01 10 71-0001)</small>		
33 01 10 71-0006	LF		Up To 500', 4" Pipe, 1/8" Pipe Lining With Cement.....	57.30	
			For 3/16" Thickness, Add	0.62	
			For 1/4" Thickness, Add	1.24	
33 01 10 71-0007	LF		>500' To 1,000', 4" Pipe, 1/8" Pipe Lining With Cement .....	50.97	
			For 3/16" Thickness, Add	0.62	
			For 1/4" Thickness, Add	1.24	
33 01 10 71-0008	LF		>1,000' To 5,000', 4" Pipe, 1/8" Pipe Lining With Cement .....	42.48	
			For 3/16" Thickness, Add	0.62	
			For 1/4" Thickness, Add	1.24	
33 01 10 71-0009	LF		>5,000', 4" Pipe, 1/8" Pipe Lining With Cement .....	31.83	
			For 3/16" Thickness, Add	0.62	
			For 1/4" Thickness, Add	1.24	
33 01 10 71-0010	LF		Up To 500', 6" Pipe, 1/8" Pipe Lining With Cement.....	59.36	
			For 3/16" Thickness, Add	0.93	
			For 1/4" Thickness, Add	1.85	
33 01 10 71-0011	LF		>500' To 1,000', 6" Pipe, 1/8" Pipe Lining With Cement .....	52.79	
			For 3/16" Thickness, Add	0.93	
			For 1/4" Thickness, Add	1.85	
33 01 10 71-0012	LF		>1,000' To 5,000', 6" Pipe, 1/8" Pipe Lining With Cement .....	44.01	
			For 3/16" Thickness, Add	0.93	
			For 1/4" Thickness, Add	1.85	
33 01 10 71-0013	LF		>5,000', 6" Pipe, 1/8" Pipe Lining With Cement .....	33.22	
			For 3/16" Thickness, Add	0.93	
			For 1/4" Thickness, Add	1.85	
33 01 10 71-0014	LF		Up To 500', 8" Pipe, 1/8" Pipe Lining With Cement.....	61.32	
			For 3/16" Thickness, Add	1.23	
			For 1/4" Thickness, Add	2.46	
33 01 10 71-0015	LF		>500' To 1,000', 8" Pipe, 1/8" Pipe Lining With Cement .....	54.60	
			For 3/16" Thickness, Add	1.23	
			For 1/4" Thickness, Add	2.46	
33 01 10 71-0016	LF		>1,000' To 5,000', 8" Pipe, 1/8" Pipe Lining With Cement .....	45.55	
			For 3/16" Thickness, Add	1.23	
			For 1/4" Thickness, Add	2.46	
33 01 10 71-0017	LF		>5,000', 8" Pipe, 1/8" Pipe Lining With Cement .....	34.60	
			For 3/16" Thickness, Add	1.23	
			For 1/4" Thickness, Add	2.46	
33 01 10 71-0018	LF		Up To 500', 10" Pipe, 1/8" Pipe Lining With Cement.....	62.78	
			For 3/16" Thickness, Add	1.55	
			For 1/4" Thickness, Add	3.09	
33 01 10 71-0019	LF		>500' To 1,000', 10" Pipe, 1/8" Pipe Lining With Cement .....	55.95	
			For 3/16" Thickness, Add	1.55	
			For 1/4" Thickness, Add	3.09	
33 01 10 71-0020	LF		>1,000' To 5,000', 10" Pipe, 1/8" Pipe Lining With Cement .....	46.76	
			For 3/16" Thickness, Add	1.55	
			For 1/4" Thickness, Add	3.09	
33 01 10 71-0021	LF		>5,000', 10" Pipe, 1/8" Pipe Lining With Cement .....	36.01	
			For 3/16" Thickness, Add	1.55	
			For 1/4" Thickness, Add	3.09	
33 01 10 71-0022	LF		Up To 500', 12" Pipe, 1/8" Pipe Lining With Cement.....	67.69	
			For 3/16" Thickness, Add	1.85	
			For 1/4" Thickness, Add	3.70	
33 01 10 71-0023	LF		>500' To 1,000', 12" Pipe, 1/8" Pipe Lining With Cement .....	60.44	
			For 3/16" Thickness, Add	1.85	
			For 1/4" Thickness, Add	3.70	
33 01 10 71-0024	LF		>1,000' To 5,000', 12" Pipe, 1/8" Pipe Lining With Cement .....	50.66	
			For 3/16" Thickness, Add	1.85	
			For 1/4" Thickness, Add	3.70	
33 01 10 71-0025	LF		>5,000', 12" Pipe, 1/8" Pipe Lining With Cement .....	39.03	
			For 3/16" Thickness, Add	1.85	
			For 1/4" Thickness, Add	3.70	
33 01 10 71-0026	LF		Up To 500', >12" To 16" Pipe, 3/16" Pipe Lining With Cement.....	72.11	
			For 1/4" Thickness, Add	2.06	
			For 5/16" Thickness, Add	4.12	
33 01 10 71-0027	LF		>500' To 1,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement.....	64.59	
			For 1/4" Thickness, Add	2.06	
			For 5/16" Thickness, Add	4.12	
33 01 10 71-0028	LF		>1,000' To 5,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement.....	54.40	
			For 1/4" Thickness, Add	2.06	
			For 5/16" Thickness, Add	4.12	
33 01 10 71-0029	LF		>5,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement.....	43.27	
			For 1/4" Thickness, Add	2.06	
			For 5/16" Thickness, Add	4.12	
33 01 10 71-0030	LF		Up To 500', >16" To 20" Pipe, 3/16" Pipe Lining With Cement.....	75.26	
			For 1/4" Thickness, Add	2.47	
			For 5/16" Thickness, Add	4.93	
33 01 10 71-0031	LF		>500' To 1,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement.....	67.51	
			For 1/4" Thickness, Add	2.47	
			For 5/16" Thickness, Add	4.93	
33 01 10 71-0032	LF		>1,000' To 5,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement.....	56.97	
			For 1/4" Thickness, Add	2.47	
			For 5/16" Thickness, Add	4.93	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01	10 71-0033	LF	>5,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement.....	46.42	
			For 1/4" Thickness, Add	2.47	
			For 5/16" Thickness, Add	4.93	
33 01	10 71-0034	LF	Up To 500', >20" To 22" Pipe, 3/16" Pipe Lining With Cement .....	79.32	
			For 1/4" Thickness, Add	2.88	
			For 5/16" Thickness, Add	5.76	
33 01	10 71-0035	LF	>500' To 1,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement.....	71.29	
			For 1/4" Thickness, Add	2.88	
			For 5/16" Thickness, Add	5.76	
33 01	10 71-0036	LF	>1,000' To 5,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement.....	60.24	
			For 1/4" Thickness, Add	2.88	
			For 5/16" Thickness, Add	5.76	
33 01	10 71-0037	LF	>5,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement.....	50.36	
			For 1/4" Thickness, Add	2.88	
			For 5/16" Thickness, Add	5.76	
33 01	10 71-0038	LF	Up To 500', 24" Pipe, 3/16" Pipe Lining With Cement .....	83.46	
			For 1/4" Thickness, Add	3.29	
			For 5/16" Thickness, Add	6.59	
33 01	10 71-0039	LF	>500' To 1,000', 24" Pipe, 3/16" Pipe Lining With Cement .....	75.10	
			For 1/4" Thickness, Add	3.29	
			For 5/16" Thickness, Add	6.59	
33 01	10 71-0040	LF	>1,000' To 5,000', 24" Pipe, 3/16" Pipe Lining With Cement .....	63.71	
			For 1/4" Thickness, Add	3.29	
			For 5/16" Thickness, Add	6.59	
33 01	10 71-0041	LF	>5,000', 24" Pipe, 3/16" Pipe Lining With Cement .....	54.51	
			For 1/4" Thickness, Add	3.29	
			For 5/16" Thickness, Add	6.59	
33 01	10 71-0042	LF	Up To 500', 30" Pipe, 3/16" Pipe Lining With Cement .....	88.73	
			For 1/4" Thickness, Add	4.11	
			For 5/16" Thickness, Add	8.23	
33 01	10 71-0043	LF	>500' To 1,000', 30" Pipe, 3/16" Pipe Lining With Cement .....	79.89	
			For 1/4" Thickness, Add	4.11	
			For 5/16" Thickness, Add	8.23	
33 01	10 71-0044	LF	>1,000' To 5,000', 30" Pipe, 3/16" Pipe Lining With Cement .....	67.81	
			For 1/4" Thickness, Add	4.11	
			For 5/16" Thickness, Add	8.23	
33 01	10 71-0045	LF	>5,000', 30" Pipe, 3/16" Pipe Lining With Cement .....	58.52	
			For 1/4" Thickness, Add	4.11	
			For 5/16" Thickness, Add	8.23	
33 01	10 71-0046	LF	Up To 500', 36" Pipe, 3/16" Pipe Lining With Cement .....	93.92	
			For 1/4" Thickness, Add	4.94	
			For 5/16" Thickness, Add	9.88	
33 01	10 71-0047	LF	500' To 1,000', 36" Pipe, 3/16" Pipe Lining With Cement .....	84.69	
			For 1/4" Thickness, Add	4.94	
			For 5/16" Thickness, Add	9.88	
33 01	10 71-0048	LF	>1,000' To 5,000', 36" Pipe, 3/16" Pipe Lining With Cement .....	71.94	
			For 1/4" Thickness, Add	4.94	
			For 5/16" Thickness, Add	9.88	
33 01	10 71-0049	LF	>5,000', 36" Pipe, 3/16" Pipe Lining With Cement .....	62.55	
			For 1/4" Thickness, Add	4.94	
			For 5/16" Thickness, Add	9.88	
33 01	10 71-0050	LF	Up To 500', 42" Pipe, 1/4" Pipe Lining With Cement .....	112.38	
			For 3/8" Thickness, Add	12.96	
			For 7/16" Thickness, Add	19.44	
33 01	10 71-0051	LF	>500' To 1,000', 42" Pipe, 1/4" Pipe Lining With Cement .....	102.32	
			For 3/8" Thickness, Add	12.96	
			For 7/16" Thickness, Add	19.44	
33 01	10 71-0052	LF	>1,000' To 5,000', 42" Pipe, 1/4" Pipe Lining With Cement .....	88.46	
			For 3/8" Thickness, Add	12.96	
			For 7/16" Thickness, Add	19.44	
33 01	10 71-0053	LF	>5,000', 42" Pipe, 1/4" Pipe Lining With Cement.....	78.78	
			For 3/8" Thickness, Add	12.96	
			For 7/16" Thickness, Add	19.44	
33 01	10 71-0054	LF	Up To 500', 48" Pipe, 1/4" Pipe Lining With Cement .....	123.34	
			For 3/8" Thickness, Add	14.81	
			For 7/16" Thickness, Add	22.22	
33 01	10 71-0055	LF	>500' To 1,000', 48" Pipe, 1/4" Pipe Lining With Cement .....	112.58	
			For 3/8" Thickness, Add	14.81	
			For 7/16" Thickness, Add	22.22	
33 01	10 71-0056	LF	>1,000' To 5,000', 48" Pipe, 1/4" Pipe Lining With Cement .....	97.68	
			For 3/8" Thickness, Add	14.81	
			For 7/16" Thickness, Add	22.22	
33 01	10 71-0057	LF	>5,000', 48" Pipe, 1/4" Pipe Lining With Cement.....	87.81	
			For 3/8" Thickness, Add	14.81	
			For 7/16" Thickness, Add	22.22	
33 01	10 71-0058	LF	Up To 500', 54" Pipe, 1/4" Pipe Lining With Cement .....	128.78	
			For 3/8" Thickness, Add	16.66	
			For 7/16" Thickness, Add	24.99	
33 01	10 71-0059	LF	>500' To 1,000', 54" Pipe, 1/4" Pipe Lining With Cement .....	117.80	
			For 3/8" Thickness, Add	16.66	
			For 7/16" Thickness, Add	24.99	
33 01	10 71-0060	LF	>1,000' To 5,000', 54" Pipe, 1/4" Pipe Lining With Cement .....	102.55	
			For 3/8" Thickness, Add	16.66	
			For 7/16" Thickness, Add	24.99	
33 01	10 71-0061	LF	>5,000', 54" Pipe, 1/4" Pipe Lining With Cement .....	93.05	
			For 3/8" Thickness, Add	16.66	
			For 7/16" Thickness, Add	24.99	
33 01	10 71-0062	LF	Up To 500', 60" Pipe, 1/4" Pipe Lining With Cement .....	134.25	
			For 3/8" Thickness, Add	18.52	
			For 7/16" Thickness, Add	27.78	

**33 Utilities**  
**33 01 Operation and Maintenance of Utilities**  
**33 01 10 Operation and Maintenance of Water Utilities**



MINOR TOTAL DIRECT DEMOLITION  
 CSI UOM DESCRIPTION UNIT COST UNIT COST

33 01 10 71-0063	LF	>500' To 1,000', 60" Pipe, 1/4" Pipe Lining With Cement	123.06	
		<i>For 3/8" Thickness, Add</i>	18.52	
		<i>For 7/16" Thickness, Add</i>	27.78	
33 01 10 71-0064	LF	>1,000' To 5,000', 60" Pipe, 1/4" Pipe Lining With Cement	107.52	
		<i>For 3/8" Thickness, Add</i>	18.52	
		<i>For 7/16" Thickness, Add</i>	27.78	
33 01 10 71-0065	LF	>5,000', 60" Pipe, 1/4" Pipe Lining With Cement	98.32	
		<i>For 3/8" Thickness, Add</i>	18.52	
		<i>For 7/16" Thickness, Add</i>	27.78	
33 01 10 71-0066	LF	Up To 500', 66" Pipe, 1/4" Pipe Lining With Cement	139.98	
		<i>For 3/8" Thickness, Add</i>	20.37	
		<i>For 7/16" Thickness, Add</i>	30.56	
33 01 10 71-0067	LF	>500' To 1,000', 66" Pipe, 1/4" Pipe Lining With Cement	128.55	
		<i>For 3/8" Thickness, Add</i>	20.37	
		<i>For 7/16" Thickness, Add</i>	30.56	
33 01 10 71-0068	LF	>1,000' To 5,000', 66" Pipe, 1/4" Pipe Lining With Cement	112.77	
		<i>For 3/8" Thickness, Add</i>	20.37	
		<i>For 7/16" Thickness, Add</i>	30.56	
33 01 10 71-0069	LF	>5,000', 66" Pipe, 1/4" Pipe Lining With Cement	104.25	
		<i>For 3/8" Thickness, Add</i>	20.37	
		<i>For 7/16" Thickness, Add</i>	30.56	
33 01 10 71-0070	LF	Up To 500', 72" Pipe, 1/4" Pipe Lining With Cement	146.10	
		<i>For 3/8" Thickness, Add</i>	22.22	
		<i>For 7/16" Thickness, Add</i>	33.33	
33 01 10 71-0071	LF	>500' To 1,000', 72" Pipe, 1/4" Pipe Lining With Cement	134.48	
		<i>For 3/8" Thickness, Add</i>	22.22	
		<i>For 7/16" Thickness, Add</i>	33.33	
33 01 10 71-0072	LF	>1,000' To 5,000', 72" Pipe, 1/4" Pipe Lining With Cement	118.31	
		<i>For 3/8" Thickness, Add</i>	22.22	
		<i>For 7/16" Thickness, Add</i>	33.33	
33 01 10 71-0073	LF	>5,000', 72" Pipe, 1/4" Pipe Lining With Cement	110.28	
		<i>For 3/8" Thickness, Add</i>	22.22	
		<i>For 7/16" Thickness, Add</i>	33.33	

**33 01 30 Operation and Maintenance of Sewer Utilities (33 01)**

**33 01 30 11 Television Inspection Of Pipelines (33 01 30)**

Note: Rotating head color camera. Includes all log records and color video tape, DVD or CD.

**33 01 30 11-0001 Remote Visual Inspection (RVI) Of Pipe Interior And Culverts (33 01 30 11)**

**33 01 30 11-0002 Video Camera Set-up (33 01 30 11-0001)**

33 01 30 11-0003	EA	Initial Set Up For "Push Camera" Video Camera Inspection, 1" To 12" Diameter Pipe Or Culvert	840.31	
		Note: A "push camera" is a straight view camera at the end of a rigid push rod for 1"-12" diameter pipes for distances up to 300 feet.		
33 01 30 11-0004	EA	Initial Set Up For "Crawler" Video Camera Inspection, 4" To 30" Diameter Pipe Or Culvert	1,680.61	
		Note: Crawlers are generally remotely operated vehicles (ROVs) for longer distances (over 300') and for larger diameters (4" and larger).		
33 01 30 11-0005	EA	Initial Set Up For "Crawler" Video Camera Inspection, >30" Diameter Pipe Or Culvert	2,520.92	
33 01 30 11-0006	EA	Re-Set Up/Move For "Push Camera" Video Camera Inspection, 1" To 12" Diameter Pipe Or Culvert	420.15	
33 01 30 11-0007	EA	Re-Set Up/Move For "Crawler" Video Camera Inspection, 4" And Larger Diameter Pipe Or Culvert	840.31	

**33 01 30 11-0008 Video Camera Planning And Analysis Inspection (33 01 30 11-0001)**

Note: For pipe interior and culverts.

33 01 30 11-0009	LF	4" To 6" Diameter Pipe Inspection, Planning/Analysis Phase	2.13	
		Note: CCTV inspection of pipe interior.		
		<i>For &gt;500 To 1,000, Deduct</i>	-0.21	
		<i>For &gt;1,000 To 5,000, Deduct</i>	-0.53	
		<i>For &gt;5,000, Deduct</i>	-0.75	
33 01 30 11-0010	LF	>6" To 12" Diameter Pipe Inspection, Planning/Analysis Phase	2.84	
		Note: CCTV inspection of pipe interior.		
		<i>For &gt;500 To 1,000, Deduct</i>	-0.28	
		<i>For &gt;1,000 To 5,000, Deduct</i>	-0.71	
		<i>For &gt;5,000, Deduct</i>	-0.99	
33 01 30 11-0011	LF	>12" To 21" Diameter Pipe Inspection, Planning/Analysis Phase	3.55	
		Note: CCTV inspection of pipe interior.		
		<i>For &gt;500 To 1,000, Deduct</i>	-0.36	
		<i>For &gt;1,000 To 5,000, Deduct</i>	-0.89	
		<i>For &gt;5,000, Deduct</i>	-1.24	
33 01 30 11-0012	LF	>21" To 30" Diameter Pipe Inspection, Planning/Analysis Phase	4.73	
		Note: CCTV inspection of pipe interior.		
		<i>For &gt;500 To 1,000, Deduct</i>	-0.47	
		<i>For &gt;1,000 To 5,000, Deduct</i>	-1.18	
		<i>For &gt;5,000, Deduct</i>	-1.66	
33 01 30 11-0013	LF	>30" To 42" Diameter Pipe Inspection, Planning/Analysis Phase	6.66	
		Note: CCTV inspection of pipe interior.		
		<i>For &gt;500 To 1,000, Deduct</i>	-0.67	
		<i>For &gt;1,000 To 5,000, Deduct</i>	-1.67	
		<i>For &gt;5,000, Deduct</i>	-2.33	
33 01 30 11-0014	LF	>42" To 60" Diameter Pipe Inspection, Planning/Analysis Phase	8.88	
		Note: CCTV inspection of pipe interior.		
		<i>For &gt;500 To 1,000, Deduct</i>	-0.89	
		<i>For &gt;1,000 To 5,000, Deduct</i>	-2.22	
		<i>For &gt;5,000, Deduct</i>	-3.11	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 01 30 11-0015	LF		>60" To 72" Diameter Pipe Inspection, Planning/Analysis Phase..... Note: CCTV inspection of pipe interior. <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	12.53 -1.25 -3.13 -4.39	
	33 01 30 11-0016	LF		>72" To 84" Diameter Pipe Inspection, Planning/Analysis Phase..... Note: CCTV inspection of pipe interior. <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	17.75 -1.78 -4.44 -6.21	
<b>33 01 30 11-0017</b>				<b>Video Camera Pre-Rehab For Pipe Interior And Culverts</b> (33 01 30 11-0001)		
	33 01 30 11-0018	LF		4" To 6" Diameter Pipe Inspection, Pre-Rehabilitation Phase..... Note: CCTV inspection of pipe interior. <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	3.15 -0.32 -0.79 -1.10	
	33 01 30 11-0019	LF		>6" To 12" Diameter Pipe Inspection, Pre-Rehabilitation Phase ..... Note: CCTV inspection of pipe interior. <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	4.21 -0.42 -1.05 -1.47	
	33 01 30 11-0020	LF		>12" To 21" Diameter Pipe Inspection, Pre-Rehabilitation Phase ..... Note: CCTV inspection of pipe interior. <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	5.25 -0.53 -1.31 -1.84	
	33 01 30 11-0021	LF		>21" To 30" Diameter Pipe Inspection, Pre-Rehabilitation Phase ..... Note: CCTV inspection of pipe interior. <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	7.01 -0.70 -1.75 -2.45	
	33 01 30 11-0022	LF		>30" To 42" Diameter Pipe Inspection, Pre-Rehabilitation Phase ..... Note: CCTV inspection of pipe interior. <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	9.85 -0.99 -2.46 -3.45	
	33 01 30 11-0023	LF		>42" To 60" Diameter Pipe Inspection, Pre-Rehabilitation Phase ..... Note: CCTV inspection of pipe interior. <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	13.13 -1.31 -3.28 -4.60	
	33 01 30 11-0024	LF		>60" To 72" Diameter Pipe Inspection, Pre-Rehabilitation Phase ..... Note: CCTV inspection of pipe interior. <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	18.54 -1.85 -4.64 -6.49	
	33 01 30 11-0025	LF		>72" To 84" Diameter Pipe Inspection, Pre-Rehabilitation Phase ..... Note: CCTV inspection of pipe interior. <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	26.26 -2.63 -6.57 -9.19	
<b>33 01 30 11-0026</b>				<b>Video Camera Post-Rehab For Pipe Interior And Culverts</b> (33 01 30 11-0001)		
	33 01 30 11-0027	LF		4" To 6" Diameter Pipe Inspection, Post-Rehabilitation Phase..... Note: CCTV inspection of pipe interior. <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	2.25 -0.23 -0.56 -0.79	
	33 01 30 11-0028	LF		>6" To 12" Diameter Pipe Inspection, Post-Rehabilitation Phase..... Note: CCTV inspection of pipe interior. <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	3.00 -0.30 -0.75 -1.05	
	33 01 30 11-0029	LF		>12" To 21" Diameter Pipe Inspection, Post-Rehabilitation Phase ..... Note: CCTV inspection of pipe interior. <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	3.75 -0.38 -0.94 -1.31	
	33 01 30 11-0030	LF		>21" To 30" Diameter Pipe Inspection, Post-Rehabilitation Phase ..... Note: CCTV inspection of pipe interior. <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	5.00 -0.50 -1.25 -1.75	
	33 01 30 11-0031	LF		>30" To 42" Diameter Pipe Inspection, Post-Rehabilitation Phase ..... Note: CCTV inspection of pipe interior. <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	7.03 -0.70 -1.76 -2.46	
	33 01 30 11-0032	LF		>42" To 60" Diameter Pipe Inspection, Post-Rehabilitation Phase ..... Note: CCTV inspection of pipe interior. <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	9.38 -0.94 -2.35 -3.28	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

33 01 30 11-0033	LF	>60" To 72" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	13.24
		Note: CCTV inspection of pipe interior.	
		For >500 To 1,000, Deduct	-1.32
		For >1,000 To 5,000, Deduct	-3.31
		For >5,000, Deduct	-4.63
33 01 30 11-0034	LF	>72" To 84" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	18.75
		Note: CCTV inspection of pipe interior.	
		For >500 To 1,000, Deduct	-1.88
		For >1,000 To 5,000, Deduct	-4.69
		For >5,000, Deduct	-6.56

**33 01 30 41 Cleaning of Sewers (33 01 30)**

33 01 30 41-0001		Pipe Line Cleaning And Flushing (33 01 30 41)	
		Note: Includes flushing. Owner provided water.	
33 01 30 41-0002		Pipe Line Cleaning (33 01 30 41-0001)	
		Note: Includes removal of all debris/waste. Excludes disposal.	
33 01 30 41-0003		Hydro Jet Set-up And Reinsertion (33 01 30 41-0002)	
33 01 30 41-0004	EA	Initial Set Up And Final Equipment Removal For Jet Cleaning.....	2,558.24
33 01 30 41-0005	EA	Move And Reset Up At Different Access/Location For Jet Cleaning.....	639.56

**33 01 30 41-0006 Hydro Jet Cleaning Of Sewer And Water Pipelines (33 01 30 41-0002)**

33 01 30 41-0007	LF	Up To 4" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	3.44
		For >250 To 500, Deduct	-0.17
		For >500 To 1,000, Deduct	-0.34
		For >1,000 To 2,000, Deduct	-0.52
		For >2,000 To 5,000, Deduct	-0.69
		For >5,000, Deduct	-0.86
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	2.58
33 01 30 41-0008	LF	6" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	3.95
		For >250 To 500, Deduct	-0.20
		For >500 To 1,000, Deduct	-0.40
		For >1,000 To 2,000, Deduct	-0.59
		For >2,000 To 5,000, Deduct	-0.79
		For >5,000, Deduct	-0.99
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	2.96
33 01 30 41-0009	LF	8" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	4.64
		For >250 To 500, Deduct	-0.23
		For >500 To 1,000, Deduct	-0.46
		For >1,000 To 2,000, Deduct	-0.70
		For >2,000 To 5,000, Deduct	-0.93
		For >5,000, Deduct	-1.16
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	3.48
33 01 30 41-0010	LF	10" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	5.73
		For >250 To 500, Deduct	-0.29
		For >500 To 1,000, Deduct	-0.57
		For >1,000 To 2,000, Deduct	-0.86
		For >2,000 To 5,000, Deduct	-1.15
		For >5,000, Deduct	-1.43
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	4.30
33 01 30 41-0011	LF	12" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	6.50
		For >250 To 500, Deduct	-0.33
		For >500 To 1,000, Deduct	-0.65
		For >1,000 To 2,000, Deduct	-0.98
		For >2,000 To 5,000, Deduct	-1.30
		For >5,000, Deduct	-1.63
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	4.88
33 01 30 41-0012	LF	>12" To 16" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	7.50
		For >250 To 500, Deduct	-0.38
		For >500 To 1,000, Deduct	-0.75
		For >1,000 To 2,000, Deduct	-1.13
		For >2,000 To 5,000, Deduct	-1.50
		For >5,000, Deduct	-1.88
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	5.63
33 01 30 41-0013	LF	>16" To 24" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	9.03
		For >250 To 500, Deduct	-0.45
		For >500 To 1,000, Deduct	-0.90
		For >1,000 To 2,000, Deduct	-1.35
		For >2,000 To 5,000, Deduct	-1.81
		For >5,000, Deduct	-2.26
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	6.77
33 01 30 41-0014	LF	>24" To 30" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	10.25
		For >250 To 500, Deduct	-0.51
		For >500 To 1,000, Deduct	-1.03
		For >1,000 To 2,000, Deduct	-1.54
		For >2,000 To 5,000, Deduct	-2.05
		For >5,000, Deduct	-2.56
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	7.69
33 01 30 41-0015	LF	>30" To 42" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	12.12
		For >250 To 500, Deduct	-0.61
		For >500 To 1,000, Deduct	-1.21
		For >1,000 To 2,000, Deduct	-1.82
		For >2,000 To 5,000, Deduct	-2.42
		For >5,000, Deduct	-3.03
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	9.09

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0016	LF	>42" To 60" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	15.23	
		<i>For &gt;250 To 500, Deduct</i>	-0.76	
		<i>For &gt;500 To 1,000, Deduct</i>	-1.52	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-2.28	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-3.05	
		<i>For &gt;5,000, Deduct</i>	-3.81	
		<i>For Heavy Cleaning, &gt;4 Passes (Includes Attached Mechanical Device), Add</i>	11.42	
33 01 30 41-0017	LF	>60" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes .....	17.77	
		<i>For &gt;250 To 500, Deduct</i>	-0.89	
		<i>For &gt;500 To 1,000, Deduct</i>	-1.78	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-2.67	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-3.55	
		<i>For &gt;5,000, Deduct</i>	-4.44	
		<i>For Heavy Cleaning, &gt;4 Passes (Includes Attached Mechanical Device), Add</i>	13.33	
<b>33 01 30 41-0018</b>		<b>Flushing Of Storm Water Pipelines <small>(33 01 30 41-0002)</small></b>		
		Note: To remove silt and small debris from storm drainage pipes. Excludes disposal.		
33 01 30 41-0019	LF	12" To 16" Diameter Pipe Line Flushing .....	1.28	
		<i>For &gt;250 To 500, Deduct</i>	-0.06	
		<i>For &gt;500 To 1,000, Deduct</i>	-0.13	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-0.19	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-0.26	
		<i>For &gt;5,000, Deduct</i>	-0.32	
33 01 30 41-0020	LF	>16" To 24" Diameter Pipe Line Flushing.....	1.47	
		<i>For &gt;250 To 500, Deduct</i>	-0.07	
		<i>For &gt;500 To 1,000, Deduct</i>	-0.15	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-0.22	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-0.29	
		<i>For &gt;5,000, Deduct</i>	-0.37	
33 01 30 41-0021	LF	>24" To 30" Diameter Pipe Line Flushing.....	1.73	
		<i>For &gt;250 To 500, Deduct</i>	-0.09	
		<i>For &gt;500 To 1,000, Deduct</i>	-0.17	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-0.26	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-0.35	
		<i>For &gt;5,000, Deduct</i>	-0.43	
33 01 30 41-0022	LF	>30" To 42" Diameter Pipe Line Flushing.....	1.99	
		<i>For &gt;250 To 500, Deduct</i>	-0.10	
		<i>For &gt;500 To 1,000, Deduct</i>	-0.20	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-0.30	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-0.40	
		<i>For &gt;5,000, Deduct</i>	-0.50	
33 01 30 41-0023	LF	>42" To 60" Diameter Pipe Line Flushing.....	2.64	
		<i>For &gt;250 To 500, Deduct</i>	-0.13	
		<i>For &gt;500 To 1,000, Deduct</i>	-0.26	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-0.40	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-0.53	
		<i>For &gt;5,000, Deduct</i>	-0.66	
<b>33 01 30 41-0024</b>		<b>Hydro Jet Cleaning Of Culverts <small>(33 01 30 41-0002)</small></b>		
33 01 30 41-0025	LF	Jet Cleaning Of Culvert, 0-250 LF .....	15.91	
		<i>For &gt;250 To 500, Deduct</i>	-0.80	
		<i>For &gt;500 To 1,000, Deduct</i>	-1.59	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-2.39	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-3.18	
		<i>For &gt;5,000, Deduct</i>	-3.98	
<b>33 01 30 41-0026</b>		<b>Pipe Line Cleaning, Mechanical Method <small>(33 01 30 41-0001)</small></b>		
		Note: Power winching buckets, scrapers, scooters, porcupines, brushes and other debris removing equipment. Includes removal of all debris/waste. Excludes disposal.		
33 01 30 41-0027	EA	Initial Set Up And Final Equipment Removal For Mechanical Cleaning.....	1,113.53	
33 01 30 41-0028	EA	Move And Reset Up At Different Access/Location.....	371.18	
33 01 30 41-0029	LF	Up To 4" Diameter Pipe Line Cleaning, Mechanical Method .....	6.43	
		<i>For &gt;250 To 500, Deduct</i>	-0.31	
		<i>For &gt;500 To 1,000, Deduct</i>	-0.62	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-0.93	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-1.24	
		<i>For &gt;5,000, Deduct</i>	-1.55	
33 01 30 41-0030	LF	6" Diameter Pipe Line Cleaning, Mechanical Method.....	8.44	
		<i>For &gt;250 To 500, Deduct</i>	-0.40	
		<i>For &gt;500 To 1,000, Deduct</i>	-0.80	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-1.19	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-1.59	
		<i>For &gt;5,000, Deduct</i>	-1.99	
33 01 30 41-0031	LF	8" Diameter Pipe Line Cleaning, Mechanical Method.....	9.89	
		<i>For &gt;250 To 500, Deduct</i>	-0.46	
		<i>For &gt;500 To 1,000, Deduct</i>	-0.93	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-1.39	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-1.86	
		<i>For &gt;5,000, Deduct</i>	-2.32	
33 01 30 41-0032	LF	10" Diameter Pipe Line Cleaning, Mechanical Method .....	11.44	
		<i>For &gt;250 To 500, Deduct</i>	-0.54	
		<i>For &gt;500 To 1,000, Deduct</i>	-1.07	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-1.61	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-2.14	
		<i>For &gt;5,000, Deduct</i>	-2.68	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 01 30 41-0033	LF	12" Diameter Pipe Line Cleaning, Mechanical Method.....	12.45
		<i>For &gt;250 To 500, Deduct</i>	-0.58
		<i>For &gt;500 To 1,000, Deduct</i>	-1.16
		<i>For &gt;1,000 To 2,000, Deduct</i>	-1.74
		<i>For &gt;2,000 To 5,000, Deduct</i>	-2.32
		<i>For &gt;5,000, Deduct</i>	-2.90
33 01 30 41-0034	LF	>12" To 16" Diameter Pipe Line Cleaning, Mechanical Method.....	14.35
		<i>For &gt;250 To 500, Deduct</i>	-0.66
		<i>For &gt;500 To 1,000, Deduct</i>	-1.33
		<i>For &gt;1,000 To 2,000, Deduct</i>	-1.99
		<i>For &gt;2,000 To 5,000, Deduct</i>	-2.65
		<i>For &gt;5,000, Deduct</i>	-3.32
33 01 30 41-0035	LF	>16" To 24" Diameter Pipe Line Cleaning, Mechanical Method.....	18.07
		<i>For &gt;250 To 500, Deduct</i>	-0.82
		<i>For &gt;500 To 1,000, Deduct</i>	-1.64
		<i>For &gt;1,000 To 2,000, Deduct</i>	-2.46
		<i>For &gt;2,000 To 5,000, Deduct</i>	-3.27
		<i>For &gt;5,000, Deduct</i>	-4.09
33 01 30 41-0036	LF	>24" To 30" Diameter Pipe Line Cleaning, Mechanical Method.....	20.69
		<i>For &gt;250 To 500, Deduct</i>	-0.91
		<i>For &gt;500 To 1,000, Deduct</i>	-1.83
		<i>For &gt;1,000 To 2,000, Deduct</i>	-2.74
		<i>For &gt;2,000 To 5,000, Deduct</i>	-3.65
		<i>For &gt;5,000, Deduct</i>	-4.57
33 01 30 41-0037	LF	>30" To 42" Diameter Pipe Line Cleaning, Mechanical Method.....	24.05
		<i>For &gt;250 To 500, Deduct</i>	-1.05
		<i>For &gt;500 To 1,000, Deduct</i>	-2.10
		<i>For &gt;1,000 To 2,000, Deduct</i>	-3.15
		<i>For &gt;2,000 To 5,000, Deduct</i>	-4.20
		<i>For &gt;5,000, Deduct</i>	-5.25
33 01 30 41-0038	LF	>42 To 60" Diameter Pipe Line Cleaning, Mechanical Method.....	31.48
		<i>For &gt;250 To 500, Deduct</i>	-1.39
		<i>For &gt;500 To 1,000, Deduct</i>	-2.78
		<i>For &gt;1,000 To 2,000, Deduct</i>	-4.18
		<i>For &gt;2,000 To 5,000, Deduct</i>	-5.57
		<i>For &gt;5,000, Deduct</i>	-6.96
33 01 30 41-0039	LF	>60" Diameter Pipe Line Cleaning, Mechanical Method.....	35.79
		<i>For &gt;250 To 500, Deduct</i>	-1.55
		<i>For &gt;500 To 1,000, Deduct</i>	-3.09
		<i>For &gt;1,000 To 2,000, Deduct</i>	-4.64
		<i>For &gt;2,000 To 5,000, Deduct</i>	-6.19
		<i>For &gt;5,000, Deduct</i>	-7.73
<b>33 01 30 41-0040</b>		<b>Pipe Line Auguring/Rod Out Pipe <small>(33 01 30 41-0001)</small></b>	
33 01 30 41-0041	EA	Initial Set Up And Final Equipment Removal For Auguring.....	1,113.53
33 01 30 41-0042	EA	Move And Reset Up At Different Location .....	371.18
33 01 30 41-0043	LF	Up To 4" Diameter Pipe Line Auguring/Rod Out.....	3.71
		<i>For &gt;250 To 500, Deduct</i>	-0.19
		<i>For &gt;500 To 1,000, Deduct</i>	-0.37
		<i>For &gt;1,000 To 2,000, Deduct</i>	-0.56
		<i>For &gt;2,000 To 5,000, Deduct</i>	-0.74
		<i>For &gt;5,000, Deduct</i>	-0.93
33 01 30 41-0044	LF	6" Diameter Pipe Line Auguring/Rod Out.....	4.80
		<i>For &gt;250 To 500, Deduct</i>	-0.24
		<i>For &gt;500 To 1,000, Deduct</i>	-0.48
		<i>For &gt;1,000 To 2,000, Deduct</i>	-0.72
		<i>For &gt;2,000 To 5,000, Deduct</i>	-0.96
		<i>For &gt;5,000, Deduct</i>	-1.20
33 01 30 41-0045	LF	8" Diameter Pipe Line Auguring/Rod Out.....	5.56
		<i>For &gt;250 To 500, Deduct</i>	-0.28
		<i>For &gt;500 To 1,000, Deduct</i>	-0.56
		<i>For &gt;1,000 To 2,000, Deduct</i>	-0.83
		<i>For &gt;2,000 To 5,000, Deduct</i>	-1.11
		<i>For &gt;5,000, Deduct</i>	-1.39
33 01 30 41-0046	LF	10" Diameter Pipe Line Auguring/Rod Out.....	6.47
		<i>For &gt;250 To 500, Deduct</i>	-0.32
		<i>For &gt;500 To 1,000, Deduct</i>	-0.65
		<i>For &gt;1,000 To 2,000, Deduct</i>	-0.97
		<i>For &gt;2,000 To 5,000, Deduct</i>	-1.29
		<i>For &gt;5,000, Deduct</i>	-1.62
33 01 30 41-0047	LF	12" Diameter Pipe Line Auguring/Rod Out.....	6.96
		<i>For &gt;250 To 500, Deduct</i>	-0.35
		<i>For &gt;500 To 1,000, Deduct</i>	-0.70
		<i>For &gt;1,000 To 2,000, Deduct</i>	-1.04
		<i>For &gt;2,000 To 5,000, Deduct</i>	-1.39
		<i>For &gt;5,000, Deduct</i>	-1.74
33 01 30 41-0048	LF	>12" To 16" Diameter Pipe Line Auguring/Rod Out.....	7.95
		<i>For &gt;250 To 500, Deduct</i>	-0.40
		<i>For &gt;500 To 1,000, Deduct</i>	-0.80
		<i>For &gt;1,000 To 2,000, Deduct</i>	-1.19
		<i>For &gt;2,000 To 5,000, Deduct</i>	-1.59
		<i>For &gt;5,000, Deduct</i>	-1.99
33 01 30 41-0049	LF	>16" To 24" Diameter Pipe Line Auguring/Rod Out.....	9.77
		<i>For &gt;250 To 500, Deduct</i>	-0.49
		<i>For &gt;500 To 1,000, Deduct</i>	-0.98
		<i>For &gt;1,000 To 2,000, Deduct</i>	-1.47
		<i>For &gt;2,000 To 5,000, Deduct</i>	-1.95
		<i>For &gt;5,000, Deduct</i>	-2.44

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0050	LF	>24"	To 30"	Diameter Pipe Line Auguring/Rod Out.....	10.92	
				<i>For &gt;250 To 500, Deduct</i>	-0.55	
				<i>For &gt;500 To 1,000, Deduct</i>	-1.09	
				<i>For &gt;1,000 To 2,000, Deduct</i>	-1.64	
				<i>For &gt;2,000 To 5,000, Deduct</i>	-2.18	
				<i>For &gt;5,000, Deduct</i>	-2.73	
33 01 30 41-0051	LF	>30"	To 42"	Diameter Pipe Line Auguring/Rod Out.....	12.65	
				<i>For &gt;250 To 500, Deduct</i>	-0.63	
				<i>For &gt;500 To 1,000, Deduct</i>	-1.27	
				<i>For &gt;1,000 To 2,000, Deduct</i>	-1.90	
				<i>For &gt;2,000 To 5,000, Deduct</i>	-2.53	
				<i>For &gt;5,000, Deduct</i>	-3.16	
33 01 30 41-0052	LF	>42"	To 60"	Diameter Pipe Line Auguring/Rod Out.....	17.40	
				<i>For &gt;250 To 500, Deduct</i>	-0.87	
				<i>For &gt;500 To 1,000, Deduct</i>	-1.74	
				<i>For &gt;1,000 To 2,000, Deduct</i>	-2.61	
				<i>For &gt;2,000 To 5,000, Deduct</i>	-3.48	
				<i>For &gt;5,000, Deduct</i>	-4.35	
33 01 30 41-0053	LF	>60"	Diameter Pipe Line Auguring/Rod Out .....	18.56		
				<i>For &gt;250 To 500, Deduct</i>	-0.93	
				<i>For &gt;500 To 1,000, Deduct</i>	-1.86	
				<i>For &gt;1,000 To 2,000, Deduct</i>	-2.78	
				<i>For &gt;2,000 To 5,000, Deduct</i>	-3.71	
				<i>For &gt;5,000, Deduct</i>	-4.64	

**33 01 30 42 Cleaning of Manholes (33 01 30)**
**33 01 30 42-0001 Structure Cleaning And Flushing (33 01 30 42)**  
 Note: Includes flushing. Owner provided water.

**33 01 30 42-0002 Rod Out Structures And Other Hand Operations (33 01 30 42-0001)**

33 01 30 42-0003	EA	Rod Out Waste Water Drain .....	48.41
33 01 30 42-0004	EA	Rod Out Sewer Catch Basin.....	96.82
33 01 30 42-0005	EA	Up To 6" Diameter Pipe, Rod Out Blockage .....	19.36
33 01 30 42-0006	EA	8" Diameter Pipe, Rod Out Blockage.....	21.30
33 01 30 42-0007	EA	10" Diameter Pipe, Rod Out Blockage.....	24.20
33 01 30 42-0008	EA	12" Diameter Pipe, Rod Out Blockage.....	28.08
33 01 30 42-0009	EA	>12" To 16" Diameter Pipe, Rod Out Blockage .....	32.92
33 01 30 42-0010	EA	>16" To 24" Diameter Pipe, Rod Out Blockage .....	38.72
33 01 30 42-0011	EA	>24" To 30" Diameter Pipe, Rod Out Blockage .....	45.50
33 01 30 42-0012	EA	>30" To 42" Diameter Pipe, Rod Out Blockage .....	52.28
33 01 30 42-0013	EA	>42" To 60" Diameter Pipe, Rod Out Blockage .....	60.99
33 01 30 42-0014	EA	>60" Diameter Pipe, Rod Out Blockage.....	72.61
33 01 30 42-0015	EA	Clean Out Debris From Entrance To Inlet Structure .....	242.04
33 01 30 42-0016	EA	3' To 4' Diameter, Clean Out Blocked Manhole By Hand.....	793.48
		<i>For &gt;10 To 100, Deduct</i>	-119.02
		<i>For &gt;100 To 250, Deduct</i>	-178.53
		<i>For &gt;250, Deduct</i>	-238.04
33 01 30 42-0017	EA	5' To 6' Diameter, Clean Out Blocked Manhole By Hand.....	952.17
		<i>For &gt;10 To 100, Deduct</i>	-142.83
		<i>For &gt;100 To 250, Deduct</i>	-214.24
		<i>For &gt;250, Deduct</i>	-285.65
33 01 30 42-0018	EA	Clean Out Blocked Catch Basin By Hand.....	476.09
		<i>For &gt;10 To 100, Deduct</i>	-71.41
		<i>For &gt;100 To 250, Deduct</i>	-107.12
		<i>For &gt;250, Deduct</i>	-142.83

**33 01 30 42-0019 Cleaning Manholes And Drainage Structures With Jet/Vacuum (33 01 30 42-0001)**

Note: Includes the removal of debris with high pressure water jetting and vacuum equipment and cleaning of grate. Excludes hardened concrete debris and disposal of material.

33 01 30 42-0020	EA	Jet/Vacuum Clean 1 To 2 Catch Basins Or Manholes.....	276.12
33 01 30 42-0021	EA	Jet/Vacuum Clean 3 To 10 Catch Basins Or Manholes.....	256.48
33 01 30 42-0022	EA	Jet/Vacuum Clean 11 To 25 Catch Basins Or Manholes.....	236.85
33 01 30 42-0023	EA	Jet/Vacuum Clean 26 To 100 Catch Basins Or Manholes.....	217.22
33 01 30 42-0024	EA	Jet/Vacuum Clean 101 To 250 Catch Basins Or Manholes.....	197.58
33 01 30 42-0025	EA	Jet/Vacuum Clean >250 Catch Basins Or Manholes.....	177.94

**33 01 30 51 Maintenance of Utilities (33 01 30)**
**33 01 30 51-0001 Pipe Repair (33 01 30 51)**
**33 01 30 51-0002 Pipe Repair Clamp, Full Circle, Single Band (33 01 30 51-0001)**

Note: Repair clamps for asbestos cement pipe, cast iron soil pipe, non-reinforced concrete pipe, PVC pipe, vitrified clay pipe, gray iron pipe and ductile iron pipe.

33 01 30 51-0003	EA	2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	125.90
		<i>For Stainless Steel Nuts And Bolts, Add</i>	20.64
33 01 30 51-0004	EA	2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	179.07
		<i>For Stainless Steel Nuts And Bolts, Add</i>	31.10
33 01 30 51-0005	EA	2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	206.95
		<i>For Stainless Steel Nuts And Bolts, Add</i>	36.63
33 01 30 51-0006	EA	2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	235.82
		<i>For Stainless Steel Nuts And Bolts, Add</i>	42.14
33 01 30 51-0007	EA	2-1/2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	135.82
		<i>For Stainless Steel Nuts And Bolts, Add</i>	22.41
33 01 30 51-0008	EA	2-1/2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	190.35
		<i>For Stainless Steel Nuts And Bolts, Add</i>	33.19

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

33 01 30 51-0009	EA	2-1/2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	218.20 38.59
33 01 30 51-0010	EA	2-1/2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	252.21 45.15
33 01 30 51-0011	EA	3" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	146.08 24.52
33 01 30 51-0012	EA	3" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	198.01 34.70
33 01 30 51-0013	EA	3" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	228.97 40.68
33 01 30 51-0014	EA	3" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	267.00 48.30
33 01 30 51-0015	EA	4" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	164.61 27.88
33 01 30 51-0016	EA	4" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	217.47 37.53
33 01 30 51-0017	EA	4" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	263.74 45.68
33 01 30 51-0018	EA	4" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	317.74 55.11
33 01 30 51-0019	EA	4" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	415.60 74.02
33 01 30 51-0020	EA	4" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	517.11 92.93
33 01 30 51-0021	EA	4" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	630.91 113.99
33 01 30 51-0022	EA	6" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	193.52 32.90
33 01 30 51-0023	EA	6" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	257.13 44.63
33 01 30 51-0024	EA	6" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	304.52 52.62
33 01 30 51-0025	EA	6" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	356.74 61.15
33 01 30 51-0026	EA	6" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	494.30 88.61
33 01 30 51-0027	EA	6" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	601.04 108.06
33 01 30 51-0028	EA	6" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	717.89 129.12
33 01 30 51-0029	EA	8" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	251.89 39.36
33 01 30 51-0030	EA	8" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	327.39 52.08
33 01 30 51-0031	EA	8" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	395.17 63.02
33 01 30 51-0032	EA	8" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	471.90 75.10
33 01 30 51-0033	EA	8" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	627.01 104.04
33 01 30 51-0034	EA	8" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	749.92 124.41
33 01 30 51-0035	EA	8" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	888.05 146.43
33 01 30 51-0036	EA	10" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	295.10 47.90
33 01 30 51-0037	EA	10" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	396.62 66.26
33 01 30 51-0038	EA	10" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	467.07 77.47
33 01 30 51-0039	EA	10" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	573.11 95.82
33 01 30 51-0040	EA	10" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	752.87 129.97
33 01 30 51-0041	EA	10" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	856.72 145.27
33 01 30 51-0042	EA	10" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	1,102.82 191.65
33 01 30 51-0043	EA	12" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	335.87 54.03
33 01 30 51-0044	EA	12" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	438.64 71.86
33 01 30 51-0045	EA	12" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	529.51 86.96
33 01 30 51-0046	EA	12" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	651.52 108.06
33 01 30 51-0047	EA	12" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	838.61 142.72
33 01 30 51-0048	EA	12" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	986.13 166.67
33 01 30 51-0049	EA	12" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	1,253.57 216.11

**33 01 30 51-0050 Pipe Repair Clamp, Full Circle, Double Bands (33 01 30 51-0001)**

Note: Repair clamps for reinforced concrete pipe, gray iron pipe and ductile iron pipe.

33 01 30 51-0051	EA	14.38"-15.13" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	748.75 207.89
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0052 EA 14.38"-15.13" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) .....	1,061.69	
For Stainless Steel Nuts And Bolts, Add .....	300.12	
33 01 30 51-0053 EA 14.38"-15.13" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) .....	1,429.75	
For Stainless Steel Nuts And Bolts, Add .....	407.00	
33 01 30 51-0054 EA 14.38"-15.13" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) .....	2,106.57	
For Stainless Steel Nuts And Bolts, Add .....	613.43	
33 01 30 51-0055 EA 15.07"-15.82" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) .....	785.90	
For Stainless Steel Nuts And Bolts, Add .....	218.12	
33 01 30 51-0056 EA 15.07"-15.82" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) .....	1,111.39	
For Stainless Steel Nuts And Bolts, Add .....	314.03	
33 01 30 51-0057 EA 15.07"-15.82" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) .....	1,493.02	
For Stainless Steel Nuts And Bolts, Add .....	424.56	
33 01 30 51-0058 EA 15.07"-15.82" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) .....	2,208.29	
For Stainless Steel Nuts And Bolts, Add .....	642.70	
33 01 30 51-0059 EA 15.92"-16.67" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) .....	805.92	
For Stainless Steel Nuts And Bolts, Add .....	222.53	
33 01 30 51-0060 EA 15.92"-16.67" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) .....	1,137.72	
For Stainless Steel Nuts And Bolts, Add .....	319.90	
33 01 30 51-0061 EA 15.92"-16.67" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) .....	1,532.13	
For Stainless Steel Nuts And Bolts, Add .....	434.08	
33 01 30 51-0062 EA 15.92"-16.67" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) .....	2,264.31	
For Stainless Steel Nuts And Bolts, Add .....	656.60	
33 01 30 51-0063 EA 16.56"-17.31" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) .....	826.91	
For Stainless Steel Nuts And Bolts, Add .....	226.92	
33 01 30 51-0064 EA 16.56"-17.31" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) .....	1,167.71	
For Stainless Steel Nuts And Bolts, Add .....	326.48	
33 01 30 51-0065 EA 16.56"-17.31" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) .....	1,569.93	
For Stainless Steel Nuts And Bolts, Add .....	442.13	
33 01 30 51-0066 EA 16.56"-17.31" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) .....	2,320.26	
For Stainless Steel Nuts And Bolts, Add .....	669.79	
33 01 30 51-0067 EA 17.15"-17.90" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) .....	845.78	
For Stainless Steel Nuts And Bolts, Add .....	230.58	
33 01 30 51-0068 EA 17.15"-17.90" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) .....	1,193.35	
For Stainless Steel Nuts And Bolts, Add .....	331.60	
33 01 30 51-0069 EA 17.15"-17.90" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) .....	1,607.73	
For Stainless Steel Nuts And Bolts, Add .....	450.18	
33 01 30 51-0070 EA 17.15"-17.90" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) .....	2,370.74	
For Stainless Steel Nuts And Bolts, Add .....	680.76	
33 01 30 51-0071 EA 17.82"-18.57" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) .....	863.62	
For Stainless Steel Nuts And Bolts, Add .....	234.25	
33 01 30 51-0072 EA 17.82"-18.57" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) .....	1,219.66	
For Stainless Steel Nuts And Bolts, Add .....	337.45	
33 01 30 51-0073 EA 17.82"-18.57" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) .....	1,641.40	
For Stainless Steel Nuts And Bolts, Add .....	457.50	
33 01 30 51-0074 EA 17.82"-18.57" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) .....	2,402.99	
For Stainless Steel Nuts And Bolts, Add .....	686.25	
33 01 30 51-0075 EA 18.46"-19.21" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) .....	884.09	
For Stainless Steel Nuts And Bolts, Add .....	238.81	
33 01 30 51-0076 EA 18.46"-19.21" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) .....	1,250.78	
For Stainless Steel Nuts And Bolts, Add .....	344.77	
33 01 30 51-0077 EA 18.46"-19.21" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) .....	1,677.17	
For Stainless Steel Nuts And Bolts, Add .....	465.55	
33 01 30 51-0078 EA 18.46"-19.21" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) .....	2,475.23	
For Stainless Steel Nuts And Bolts, Add .....	705.65	
<b>33 01 30 51-0079 Repair Couplings and Fittings (33 01 30 51-0001)</b>		
<b>33 01 30 51-0080 Couplings And Fittings For Copper Pipe, Compression (33 01 30 51-0079)</b>		
Note: Includes gaskets. Dresser style 88.		
<b>33 01 30 51-0081 Copper Compression Repair Couplings (33 01 30 51-0080)</b>		
33 01 30 51-0082 EA 1/2" Copper Compression Repair Coupling .....	90.31	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

33 01 30 51-0083	EA	3/4" Copper Compression Repair Coupling.....	104.81
33 01 30 51-0084	EA	1" Copper Compression Repair Coupling.....	123.29
33 01 30 51-0085	EA	1-1/4" Copper Compression Repair Coupling.....	138.51
33 01 30 51-0086	EA	1-1/2" Copper Compression Repair Coupling.....	217.34
<b>33 01 30 51-0087</b>		<b>Copper Compression Repair Fitting, 90 Degree Elbows (33 01 30 51-0080)</b>	
33 01 30 51-0088	EA	1/2" Copper Compression Repair 90 Degree Elbow.....	109.93
33 01 30 51-0089	EA	1" Copper Compression Repair 90 Degree Elbow.....	126.10
33 01 30 51-0090	EA	1-1/2" Copper Compression Repair 90 Degree Elbow.....	261.94
33 01 30 51-0091	EA	1" IPS x 1" CTS 90 Degree Plain End Street Elbow.....	99.83
33 01 30 51-0092	EA	3/4" IPS x 3/4" CTS 90 Degree Threaded End Street Elbow.....	90.11
33 01 30 51-0093	EA	1" IPS x 1" CTS 90 Degree Threaded End Street Elbow.....	105.51
33 01 30 51-0094	EA	1-1/4" IPS x 1" CTS 90 Degree Threaded End Street Elbow.....	131.42
<b>33 01 30 51-0095</b>		<b>Copper Compression Repair Fitting, Tees (33 01 30 51-0080)</b>	
33 01 30 51-0096	EA	1/2" Copper Compression Repair Tee.....	204.00
33 01 30 51-0097	EA	3/4" Copper Compression Repair Tee.....	153.72
33 01 30 51-0098	EA	1" Copper Compression Repair Tee.....	182.89
33 01 30 51-0099	EA	1" F x 1" M x 1" CTS Street Tee.....	148.11
<b>33 01 30 51-0100</b>		<b>Copper Compression Repair Fitting, Male Adapters (33 01 30 51-0080)</b>	
33 01 30 51-0101	EA	3/4" M x 1/2" CTS Male Adapter.....	95.57
33 01 30 51-0102	EA	3/4" M x 3/4" CTS Male Adapter.....	75.42
33 01 30 51-0103	EA	1" M x 1" CTS Male Adapter.....	85.11
33 01 30 51-0104	EA	1-1/4" M x 1" CTS Male Adapter.....	102.42
33 01 30 51-0105	EA	1-1/4" M x 1-1/4" CTS Male Adapter.....	124.48
33 01 30 51-0106	EA	1-1/2" M x 1" CTS Male Adapter.....	135.14
<b>33 01 30 51-0107</b>		<b>Copper Compression Repair Fitting, Female Adapters (33 01 30 51-0080)</b>	
33 01 30 51-0108	EA	3/4" M x 3/4" CTS Female Adapter.....	112.68
33 01 30 51-0109	EA	1" M x 1" CTS Female Adapter.....	118.14
<b>33 01 30 51-0110</b>		<b>Couplings And Fittings For Steel Pipe, Cast Body, Compression (33 01 30 51-0079)</b>	
		Note: Includes gaskets. Dresser style 90.	
<b>33 01 30 51-0111</b>		<b>Couplings For Steel Pipe, Cast Body (Compression) (33 01 30 51-0110)</b>	
		Note: Includes gaskets.	
33 01 30 51-0112	EA	1/2" Coupling, Cast Body (Compression), 5" Middle Ring.....	63.18
33 01 30 51-0113	EA	3/4" Coupling, Cast Body (Compression), 5" Middle Ring.....	63.60
33 01 30 51-0114	EA	1" Coupling, Cast Body (Compression), 5" Middle Ring.....	71.52
33 01 30 51-0115	EA	1-1/4" Coupling, Cast Body (Compression), 5" Middle Ring.....	79.52
33 01 30 51-0116	EA	1-1/2" Coupling, Cast Body (Compression), 5" Middle Ring.....	98.24
33 01 30 51-0117	EA	2" Coupling, Cast Body (Compression), 5" Middle Ring.....	119.59
33 01 30 51-0118	EA	1/2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket.....	65.00
33 01 30 51-0119	EA	3/4" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket.....	65.60
33 01 30 51-0120	EA	1" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket.....	71.82
33 01 30 51-0121	EA	1-1/4" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket.....	80.45
33 01 30 51-0122	EA	1-1/2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket.....	101.29
33 01 30 51-0123	EA	2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket.....	120.93
33 01 30 51-0124	EA	3/4" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket.....	125.93
33 01 30 51-0125	EA	1" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket.....	147.34
33 01 30 51-0126	EA	1-1/4" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket.....	152.98
33 01 30 51-0127	EA	1-1/2" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket.....	171.54
33 01 30 51-0128	EA	2" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket.....	208.82
<b>33 01 30 51-0129</b>		<b>Reducing Couplings For Steel Pipe (Compression) (33 01 30 51-0110)</b>	
		Note: Includes armored gaskets.	
33 01 30 51-0130	EA	3/4" x 1/2" Reducing Coupling (Compression).....	69.66
33 01 30 51-0131	EA	1" x 3/4" Reducing Coupling (Compression).....	73.49
33 01 30 51-0132	EA	1-1/4" x 3/4" Reducing Coupling (Compression).....	82.84
33 01 30 51-0133	EA	1-1/4" x 1" Reducing Coupling (Compression).....	86.19
33 01 30 51-0134	EA	1-1/2" x 3/4" Reducing Coupling (Compression).....	168.19
33 01 30 51-0135	EA	1-1/2" x 1" Reducing Coupling (Compression).....	103.44
33 01 30 51-0136	EA	1-1/2" x 1-1/4" Reducing Coupling (Compression).....	103.91
33 01 30 51-0137	EA	2" x 3/4" Reducing Coupling (Compression).....	200.85
33 01 30 51-0138	EA	2" x 1" Reducing Coupling (Compression).....	182.25
33 01 30 51-0139	EA	2" x 1-1/4" Reducing Coupling (Compression).....	137.99
33 01 30 51-0140	EA	2" x 1-1/2" Reducing Coupling (Compression).....	137.50
<b>33 01 30 51-0141</b>		<b>Steel Compression Repair Fittings, Elbows (33 01 30 51-0110)</b>	
		Note: Includes armored gaskets.	
33 01 30 51-0142	EA	1" 45 Degree Elbow (Compression).....	116.19
33 01 30 51-0143	EA	1-1/4" 45 Degree Elbow (Compression).....	120.78
33 01 30 51-0144	EA	1-1/2" 45 Degree Elbow (Compression).....	156.16
33 01 30 51-0145	EA	2" 45 Degree Elbow (Compression).....	197.37
33 01 30 51-0146	EA	3/4" 90 Degree Elbow (Compression).....	77.38
33 01 30 51-0147	EA	1" 90 Degree Elbow (Compression).....	79.95
33 01 30 51-0148	EA	1-1/4" 90 Degree Elbow (Compression).....	93.72



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 01 30 51-0149	EA	1-1/2" 90 Degree Elbow (Compression) .....	134.21	
33 01 30 51-0150	EA	2" 90 Degree Elbow (Compression).....	146.62	
33 01 30 51-0151	EA	3/4" Plain End 90 Degree Street Elbow (Compression).....	77.63	
33 01 30 51-0152	EA	1" Plain End 90 Degree Street Elbow (Compression).....	67.89	
33 01 30 51-0153	EA	1-1/4" Plain End 90 Degree Street Elbow (Compression).....	76.65	
33 01 30 51-0154	EA	1-1/2" Plain End 90 Degree Street Elbow (Compression).....	97.00	
33 01 30 51-0155	EA	2" Plain End 90 Degree Street Elbow (Compression).....	125.58	
33 01 30 51-0156	EA	3/4" Threaded End 90 Degree Street Elbow (Compression) .....	80.25	
33 01 30 51-0157	EA	1" Threaded End 90 Degree Street Elbow (Compression) .....	72.80	
33 01 30 51-0158	EA	1-1/4" Threaded End 90 Degree Street Elbow (Compression) .....	94.89	
33 01 30 51-0159	EA	1-1/2" Threaded End 90 Degree Street Elbow (Compression) .....	114.40	
33 01 30 51-0160	EA	2" Threaded End 90 Degree Street Elbow (Compression) .....	162.79	

**33 01 30 51-0161 Steel Compression Repair Fittings, Tees (33 01 30 51-0110)**

Note: Includes armored gaskets.

33 01 30 51-0162	EA	3/4" Street Tee (Compression) .....	84.43	
33 01 30 51-0163	EA	1" Street Tee (Compression) .....	99.41	
33 01 30 51-0164	EA	1-1/4" Street Tee (Compression) .....	100.06	
33 01 30 51-0165	EA	1-1/2" Street Tee (Compression) .....	115.21	
33 01 30 51-0166	EA	2" Street Tee (Compression) .....	175.65	
33 01 30 51-0167	EA	1-1/4" x 1" x 1-1/4" Reducing Street Tee (Compression).....	99.11	
33 01 30 51-0168	EA	1-1/4" x 1" x 1-1/4" Reducing Street Tee (Compression).....	103.87	
33 01 30 51-0169	EA	1-1/2" x 1-1/2" x 1" Reducing Street Tee (Compression).....	130.10	
33 01 30 51-0170	EA	1-1/2" x 1-1/2" x 1-1/4" Reducing Street Tee (Compression).....	151.57	
33 01 30 51-0171	EA	1-1/2" x 1" x 1-1/2" Reducing Street Tee (Compression).....	152.52	
33 01 30 51-0172	EA	1-1/2" x 1-1/4" x 1-1/2" Reducing Street Tee (Compression).....	128.08	
33 01 30 51-0173	EA	2" x 1-1/4" x 2" Reducing Street Tee (Compression) .....	171.01	
33 01 30 51-0174	EA	2" x 1-1/2" x 2" Reducing Street Tee (Compression) .....	194.87	
33 01 30 51-0175	EA	3/4" Welding Street Tee (Compression) .....	156.01	
33 01 30 51-0176	EA	1" Welding Street Tee (Compression) .....	156.06	
33 01 30 51-0177	EA	1-1/4" Welding Street Tee (Compression) .....	167.20	
33 01 30 51-0178	EA	1-1/2" Welding Street Tee (Compression) .....	201.09	
33 01 30 51-0179	EA	2" Welding Street Tee (Compression) .....	271.45	
33 01 30 51-0180	EA	3/4" Regular Tee (Compression) .....	114.37	
33 01 30 51-0181	EA	1" Regular Tee (Compression) .....	201.49	
33 01 30 51-0182	EA	1-1/4" Regular Tee (Compression) .....	212.53	
33 01 30 51-0183	EA	1-1/2" Regular Tee (Compression) .....	227.68	
33 01 30 51-0184	EA	2" Regular Tee (Compression) .....	252.12	
33 01 30 51-0185	EA	2" x 2" x 1-1/4" Regular Reducing Tee (Compression) .....	248.30	

**33 01 30 51-0186 Steel Compression Repair Fittings, Male Adapters (33 01 30 51-0110)**

Note: Includes armored gaskets.

33 01 30 51-0187	EA	3/4" Male Adapter (Compression).....	77.16	
33 01 30 51-0188	EA	1" Male Adapter (Compression).....	85.90	
33 01 30 51-0189	EA	1-1/4" Male Adapter (Compression).....	112.32	
33 01 30 51-0190	EA	1-1/2" Male Adapter (Compression).....	126.59	
33 01 30 51-0191	EA	2" Male Adapter (Compression).....	142.63	
33 01 30 51-0192	EA	1" x 1-1/4" Male Adapter (Compression).....	111.70	

**33 01 30 51-0193 Steel Compression Repair Fittings, Line Caps (33 01 30 51-0110)**

Note: Includes armored gaskets.

33 01 30 51-0194	EA	3/4" Line Caps (Compression).....	41.52	
33 01 30 51-0195	EA	1" Line Caps (Compression).....	48.33	
33 01 30 51-0196	EA	1-1/4" Line Caps (Compression).....	55.26	
33 01 30 51-0197	EA	1-1/2" Line Caps (Compression).....	64.95	
33 01 30 51-0198	EA	2" Line Caps (Compression).....	80.25	

**33 01 30 51-0199 Couplings For Steel Pipe (33 01 30 51-0079)**

Note: Includes Buna S gasket. Dresser style 38

33 01 30 51-0200	EA	1/2" Coupling, 3-1/2" Middle Ring With Buna S Gasket.....	43.31	
33 01 30 51-0201	EA	3/4" Coupling, 5" Middle Ring With Buna S Gasket.....	55.29	
33 01 30 51-0202	EA	1" Coupling, 5" Middle Ring With Buna S Gasket.....	65.92	
33 01 30 51-0203	EA	1-1/2" Coupling, 5" Middle Ring With Buna S Gasket.....	81.79	
33 01 30 51-0204	EA	2" Coupling, 4" Middle Ring With Buna S Gasket.....	100.91	
33 01 30 51-0205	EA	2" Coupling, 5" Middle Ring With Buna S Gasket.....	118.17	
33 01 30 51-0206	EA	2" Coupling, 7" Middle Ring With Buna S Gasket.....	113.88	
33 01 30 51-0207	EA	3" Coupling, 4" Middle Ring With Buna S Gasket.....	155.10	
33 01 30 51-0208	EA	3" Coupling, 5" Middle Ring With Buna S Gasket.....	157.70	
33 01 30 51-0209	EA	3" Coupling, 7" Middle Ring With Buna S Gasket.....	160.30	
33 01 30 51-0210	EA	4" Coupling, 4" Middle Ring With Buna S Gasket.....	186.68	
33 01 30 51-0211	EA	4" Coupling, 5" Middle Ring With Buna S Gasket.....	191.09	
33 01 30 51-0212	EA	4" Coupling, 7" Middle Ring With Buna S Gasket.....	196.62	
33 01 30 51-0213	EA	5" Coupling, 4" Middle Ring With Buna S Gasket.....	234.10	
33 01 30 51-0214	EA	5" Coupling, 5" Middle Ring With Buna S Gasket.....	235.84	
33 01 30 51-0215	EA	5" Coupling, 7" Middle Ring With Buna S Gasket.....	242.18	
33 01 30 51-0216	EA	6" Coupling, 4" Middle Ring With Buna S Gasket.....	257.66	
33 01 30 51-0217	EA	6" Coupling, 5" Middle Ring With Buna S Gasket.....	262.37	
33 01 30 51-0218	EA	6" Coupling, 7" Middle Ring With Buna S Gasket.....	268.39	
33 01 30 51-0219	EA	8" Coupling, 4" Middle Ring With Buna S Gasket.....	301.56	
33 01 30 51-0220	EA	8" Coupling, 5" Middle Ring With Buna S Gasket.....	308.53	
33 01 30 51-0221	EA	8" Coupling, 7" Middle Ring With Buna S Gasket.....	314.25	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

33 01 30 51-0222	EA	10" Coupling, 5" Middle Ring With Buna S Gasket	356.84	
33 01 30 51-0223	EA	10" Coupling, 7" Middle Ring With Buna S Gasket	389.73	
33 01 30 51-0224	EA	12" Coupling, 5" Middle Ring With Buna S Gasket	404.88	
33 01 30 51-0225	EA	12" Coupling, 7" Middle Ring With Buna S Gasket	474.60	
33 01 30 51-0226	EA	14" Coupling, 7" Middle Ring With Buna S Gasket	538.73	
33 01 30 51-0227	EA	16" Coupling, 7" Middle Ring With Buna S Gasket	623.44	
33 01 30 51-0228	EA	18" Coupling, 7" Middle Ring With Buna S Gasket	682.32	
33 01 30 51-0229	EA	20" Coupling, 7" Middle Ring With Buna S Gasket	736.01	
33 01 30 51-0230	EA	22" Coupling, 7" Middle Ring With Buna S Gasket	876.79	
33 01 30 51-0231	EA	24" Coupling, 7" Middle Ring With Buna S Gasket	926.59	

**33 01 30 51-0232****Couplings For Steel Pipe** (33 01 30 51-0079)

Note: Includes Buna S gasket, protected. Dresser style 38.

33 01 30 51-0233	EA	1/2" Coupling, 3-1/2" Middle Ring With Buna S Gasket, Protected	44.06	
33 01 30 51-0234	EA	3/4" Coupling, 5" Middle Ring With Buna S Gasket, Protected	55.19	
33 01 30 51-0235	EA	1" Coupling, 5" Middle Ring With Buna S Gasket, Protected	65.87	
33 01 30 51-0236	EA	1-1/2" Coupling, 5" Middle Ring With Buna S Gasket, Protected	81.45	
33 01 30 51-0237	EA	2" Coupling, 4" Middle Ring With Buna S Gasket, Protected	110.83	
33 01 30 51-0238	EA	2" Coupling, 5" Middle Ring With Buna S Gasket, Protected	109.46	
33 01 30 51-0239	EA	2" Coupling, 7" Middle Ring With Buna S Gasket, Protected	110.15	
33 01 30 51-0240	EA	3" Coupling, 4" Middle Ring With Buna S Gasket, Protected	160.30	
33 01 30 51-0241	EA	3" Coupling, 5" Middle Ring With Buna S Gasket, Protected	162.90	
33 01 30 51-0242	EA	3" Coupling, 7" Middle Ring With Buna S Gasket, Protected	165.50	
33 01 30 51-0243	EA	4" Coupling, 4" Middle Ring With Buna S Gasket, Protected	193.76	
33 01 30 51-0244	EA	4" Coupling, 5" Middle Ring With Buna S Gasket, Protected	189.18	
33 01 30 51-0245	EA	4" Coupling, 7" Middle Ring With Buna S Gasket, Protected	191.59	
33 01 30 51-0246	EA	5" Coupling, 4" Middle Ring With Buna S Gasket, Protected	243.22	
33 01 30 51-0247	EA	5" Coupling, 5" Middle Ring With Buna S Gasket, Protected	244.50	
33 01 30 51-0248	EA	5" Coupling, 7" Middle Ring With Buna S Gasket, Protected	303.47	
33 01 30 51-0249	EA	6" Coupling, 4" Middle Ring With Buna S Gasket, Protected	260.45	
33 01 30 51-0250	EA	6" Coupling, 5" Middle Ring With Buna S Gasket, Protected	267.22	
33 01 30 51-0251	EA	6" Coupling, 7" Middle Ring With Buna S Gasket, Protected	269.83	
33 01 30 51-0252	EA	8" Coupling, 4" Middle Ring With Buna S Gasket, Protected	316.69	
33 01 30 51-0253	EA	8" Coupling, 5" Middle Ring With Buna S Gasket, Protected	319.26	
33 01 30 51-0254	EA	8" Coupling, 7" Middle Ring With Buna S Gasket, Protected	323.40	
33 01 30 51-0255	EA	10" Coupling, 5" Middle Ring With Buna S Gasket, Protected	363.08	
33 01 30 51-0256	EA	10" Coupling, 7" Middle Ring With Buna S Gasket, Protected	396.23	
33 01 30 51-0257	EA	12" Coupling, 5" Middle Ring With Buna S Gasket, Protected	411.38	
33 01 30 51-0258	EA	12" Coupling, 7" Middle Ring With Buna S Gasket, Protected	480.96	
33 01 30 51-0259	EA	14" Coupling, 7" Middle Ring With Buna S Gasket, Protected	545.23	
33 01 30 51-0260	EA	16" Coupling, 7" Middle Ring With Buna S Gasket, Protected	633.19	
33 01 30 51-0261	EA	18" Coupling, 7" Middle Ring With Buna S Gasket, Protected	695.32	
33 01 30 51-0262	EA	20" Coupling, 7" Middle Ring With Buna S Gasket, Protected	749.01	
33 01 30 51-0263	EA	22" Coupling, 7" Middle Ring With Buna S Gasket, Protected	889.79	
33 01 30 51-0264	EA	24" Coupling, 7" Middle Ring With Buna S Gasket, Protected	939.59	

**33 01 30 51-0265****Couplings For Steel Pipe** (33 01 30 51-0079)

Note: Includes Buna N gasket, protected. Dresser style 38.

33 01 30 51-0266	EA	1/2" Coupling, 3-1/2" Middle Ring With Buna N Gasket, Protected	48.68	
33 01 30 51-0267	EA	3/4" Coupling, 5" Middle Ring With Buna N Gasket, Protected	59.89	
33 01 30 51-0268	EA	1" Coupling, 5" Middle Ring With Buna N Gasket, Protected	71.39	
33 01 30 51-0269	EA	1-1/2" Coupling, 5" Middle Ring With Buna N Gasket, Protected	88.62	
33 01 30 51-0270	EA	2" Coupling, 4" Middle Ring With Buna N Gasket, Protected	110.83	
33 01 30 51-0271	EA	2" Coupling, 5" Middle Ring With Buna N Gasket, Protected	122.44	
33 01 30 51-0272	EA	2" Coupling, 7" Middle Ring With Buna N Gasket, Protected	126.30	
33 01 30 51-0273	EA	3" Coupling, 4" Middle Ring With Buna N Gasket, Protected	160.30	
33 01 30 51-0274	EA	3" Coupling, 5" Middle Ring With Buna N Gasket, Protected	162.90	
33 01 30 51-0275	EA	3" Coupling, 7" Middle Ring With Buna N Gasket, Protected	165.50	
33 01 30 51-0276	EA	4" Coupling, 4" Middle Ring With Buna N Gasket, Protected	193.76	
33 01 30 51-0277	EA	4" Coupling, 5" Middle Ring With Buna N Gasket, Protected	203.03	
33 01 30 51-0278	EA	4" Coupling, 7" Middle Ring With Buna N Gasket, Protected	206.56	
33 01 30 51-0279	EA	5" Coupling, 4" Middle Ring With Buna N Gasket, Protected	243.22	
33 01 30 51-0280	EA	5" Coupling, 5" Middle Ring With Buna N Gasket, Protected	244.50	
33 01 30 51-0281	EA	5" Coupling, 7" Middle Ring With Buna N Gasket, Protected	259.38	
33 01 30 51-0282	EA	6" Coupling, 4" Middle Ring With Buna N Gasket, Protected	260.45	
33 01 30 51-0283	EA	6" Coupling, 5" Middle Ring With Buna N Gasket, Protected	267.22	
33 01 30 51-0284	EA	6" Coupling, 7" Middle Ring With Buna N Gasket, Protected	269.83	
33 01 30 51-0285	EA	8" Coupling, 4" Middle Ring With Buna N Gasket, Protected	316.69	
33 01 30 51-0286	EA	8" Coupling, 5" Middle Ring With Buna N Gasket, Protected	319.26	
33 01 30 51-0287	EA	8" Coupling, 7" Middle Ring With Buna N Gasket, Protected	323.40	
33 01 30 51-0288	EA	10" Coupling, 5" Middle Ring With Buna N Gasket, Protected	363.08	
33 01 30 51-0289	EA	10" Coupling, 7" Middle Ring With Buna N Gasket, Protected	396.23	
33 01 30 51-0290	EA	12" Coupling, 5" Middle Ring With Buna N Gasket, Protected	411.38	
33 01 30 51-0291	EA	12" Coupling, 7" Middle Ring With Buna N Gasket, Protected	480.96	
33 01 30 51-0292	EA	14" Coupling, 7" Middle Ring With Buna N Gasket, Protected	545.23	
33 01 30 51-0293	EA	16" Coupling, 7" Middle Ring With Buna N Gasket, Protected	623.44	
33 01 30 51-0294	EA	18" Coupling, 7" Middle Ring With Buna N Gasket, Protected	695.32	
33 01 30 51-0295	EA	20" Coupling, 7" Middle Ring With Buna N Gasket, Protected	749.01	
33 01 30 51-0296	EA	22" Coupling, 7" Middle Ring With Buna N Gasket, Protected	889.79	
33 01 30 51-0297	EA	24" Coupling, 7" Middle Ring With Buna N Gasket, Protected	939.59	

**33 01 30 51-0298****Couplings For Steel Pipe** (33 01 30 51-0079)

Note: Includes high temperature carded glass gasket, protected. Dresser style 38.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0299	EA		3/4" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket .....	76.20	
33 01 30 51-0300	EA		1" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket .....	86.30	
33 01 30 51-0301	EA		1-1/2" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket .....	97.71	
33 01 30 51-0302	EA		2" Coupling, 4" Middle Ring With High Temp Carded Glass Gasket .....	138.32	
33 01 30 51-0303	EA		2" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket .....	145.44	
33 01 30 51-0304	EA		2" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket .....	149.06	
33 01 30 51-0305	EA		3" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket .....	185.36	
33 01 30 51-0306	EA		3" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket .....	184.54	
33 01 30 51-0307	EA		4" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket .....	216.03	
33 01 30 51-0308	EA		4" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket .....	219.56	
33 01 30 51-0309	EA		5" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket .....	284.86	
33 01 30 51-0310	EA		5" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket .....	289.54	
33 01 30 51-0311	EA		6" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket .....	311.32	
33 01 30 51-0312	EA		6" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket .....	314.43	
33 01 30 51-0313	EA		8" Coupling, 4" Middle Ring With High Temp Carded Glass Gasket .....	338.99	
33 01 30 51-0314	EA		8" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket .....	385.51	
33 01 30 51-0315	EA		8" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket .....	404.48	
33 01 30 51-0316	EA		10" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket .....	427.81	
33 01 30 51-0317	EA		10" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket .....	427.75	
33 01 30 51-0318	EA		12" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket .....	522.10	
33 01 30 51-0319	EA		12" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket .....	536.39	
33 01 30 51-0320	EA		14" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket .....	610.52	
33 01 30 51-0321	EA		16" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket .....	733.82	
33 01 30 51-0322	EA		18" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket .....	739.52	
33 01 30 51-0323	EA		20" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket .....	815.96	
33 01 30 51-0324	EA		22" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket .....	881.34	
33 01 30 51-0325	EA		24" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket .....	952.59	
<b>33 01 30 51-0326</b>			<b>Polyseal Pipe Coupler (33 01 30 51-0001)</b>		
33 01 30 51-0327	EA		18" Diameter Pipe, PolySeal Repair Couplers (MarMac).....	304.66	
33 01 30 51-0328	EA		24" Diameter Pipe, PolySeal Repair Couplers (MarMac).....	344.13	
<b>33 01 30 71</b>			<b>Relining Sewer Utilities Pipelines (33 01 30)</b>		
<b>33 01 30 71-0001</b>			<b>Relining Underground Pipelines (33 01 30 71)</b>		
			Note: Excludes CCTV inspection, sewer cleaning, pavement both temporary and permanent, emergency after hours response for homeowners backups. See CSI section 01 22 20 00-0000 for hourly rates for after hours response for homeowners backups, 32 01 17 63-0000 for temporary pavement, 32 12 16 00-0000 for permanent pavement, 33 01 30 11-0000 for CCTV Inspection, 33 01 30 41-0002 for sewer cleaning.		
<b>33 01 30 71-0002</b>			<b>Lining Pipe, Spray Applied With Structural Polyurethane (33 01 30 71-0001)</b>		
			Note: Two part structural polyurethane.		
<b>33 01 30 71-0003</b>			<b>Mobilization And Setup For Spray Applied Structural Polyurethane Lining (33 01 30 71-0002)</b>		
33 01 30 71-0004	EA		Initial Set Up And Final Equipment Removal For Spray Applied Structural Polyurethane Lining.....	1,664.22	
<b>33 01 30 71-0005</b>			<b>Lining Pipe, Spray Applied With 100 mil Structural Polyurethane (33 01 30 71-0002)</b>		
			Note: Two part structural polyurethane.		
33 01 30 71-0006	LF		36" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	49.71	
			For Up To 75, Add	10.84	
			For >75 To 150, Add	4.97	
			For >500 To 1,000, Deduct	-1.35	
			For >1,000 To 2,000, Deduct	-2.62	
			For >2,000 To 5,000, Deduct	-4.06	
			For >5,000, Deduct	-5.87	
33 01 30 71-0007	LF		42" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	58.00	
			For Up To 75, Add	12.65	
			For >75 To 150, Add	5.80	
			For >500 To 1,000, Deduct	-1.58	
			For >1,000 To 2,000, Deduct	-3.05	
			For >2,000 To 5,000, Deduct	-4.74	
			For >5,000, Deduct	-6.85	
33 01 30 71-0008	LF		48" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	66.29	
			For Up To 75, Add	14.46	
			For >75 To 150, Add	6.63	
			For >500 To 1,000, Deduct	-1.80	
			For >1,000 To 2,000, Deduct	-3.49	
			For >2,000 To 5,000, Deduct	-5.41	
			For >5,000, Deduct	-7.83	
33 01 30 71-0009	LF		54" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	74.57	
			For Up To 75, Add	16.26	
			For >75 To 150, Add	7.46	
			For >500 To 1,000, Deduct	-2.03	
			For >1,000 To 2,000, Deduct	-3.93	
			For >2,000 To 5,000, Deduct	-6.09	
			For >5,000, Deduct	-8.80	
33 01 30 71-0010	LF		60" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	82.86	
			For Up To 75, Add	18.07	
			For >75 To 150, Add	8.29	
			For >500 To 1,000, Deduct	-2.26	
			For >1,000 To 2,000, Deduct	-4.36	
			For >2,000 To 5,000, Deduct	-6.77	
			For >5,000, Deduct	-9.78	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

33 01 30 71-0011	LF	66" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	91.14	
		<i>For Up To 75, Add</i>	19.87	
		<i>For &gt;75 To 150, Add</i>	9.11	
		<i>For &gt;500 To 1,000, Deduct</i>	-2.48	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-4.80	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-7.44	
		<i>For &gt;5,000, Deduct</i>	-10.76	
33 01 30 71-0012	LF	72" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	99.43	
		<i>For Up To 75, Add</i>	21.68	
		<i>For &gt;75 To 150, Add</i>	9.94	
		<i>For &gt;500 To 1,000, Deduct</i>	-2.71	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-5.23	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-8.12	
		<i>For &gt;5,000, Deduct</i>	-11.74	
33 01 30 71-0013	LF	78" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	107.70	
		<i>For Up To 75, Add</i>	23.48	
		<i>For &gt;75 To 150, Add</i>	10.77	
		<i>For &gt;500 To 1,000, Deduct</i>	-2.93	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-5.67	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-8.80	
		<i>For &gt;5,000, Deduct</i>	-12.71	
33 01 30 71-0014	LF	84" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	116.00	
		<i>For Up To 75, Add</i>	25.29	
		<i>For &gt;75 To 150, Add</i>	11.60	
		<i>For &gt;500 To 1,000, Deduct</i>	-3.16	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-6.11	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-9.47	
		<i>For &gt;5,000, Deduct</i>	-13.69	
33 01 30 71-0015	LF	90" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	124.27	
		<i>For Up To 75, Add</i>	27.10	
		<i>For &gt;75 To 150, Add</i>	12.43	
		<i>For &gt;500 To 1,000, Deduct</i>	-3.38	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-6.54	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-10.15	
		<i>For &gt;5,000, Deduct</i>	-14.67	
33 01 30 71-0016	LF	96" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	132.57	
		<i>For Up To 75, Add</i>	28.91	
		<i>For &gt;75 To 150, Add</i>	13.26	
		<i>For &gt;500 To 1,000, Deduct</i>	-3.61	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-6.98	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-10.83	
		<i>For &gt;5,000, Deduct</i>	-15.65	
33 01 30 71-0017	LF	102" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	140.85	
		<i>For Up To 75, Add</i>	30.71	
		<i>For &gt;75 To 150, Add</i>	14.09	
		<i>For &gt;500 To 1,000, Deduct</i>	-3.83	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-7.41	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-11.50	
		<i>For &gt;5,000, Deduct</i>	-16.63	
33 01 30 71-0018	LF	108" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	149.13	
		<i>For Up To 75, Add</i>	32.52	
		<i>For &gt;75 To 150, Add</i>	14.91	
		<i>For &gt;500 To 1,000, Deduct</i>	-4.06	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-7.85	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-12.18	
		<i>For &gt;5,000, Deduct</i>	-17.61	
33 01 30 71-0019	LF	114" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	157.43	
		<i>For Up To 75, Add</i>	34.33	
		<i>For &gt;75 To 150, Add</i>	15.74	
		<i>For &gt;500 To 1,000, Deduct</i>	-4.29	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-8.29	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-12.86	
		<i>For &gt;5,000, Deduct</i>	-18.59	
33 01 30 71-0020	LF	120" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	165.71	
		<i>For Up To 75, Add</i>	36.13	
		<i>For &gt;75 To 150, Add</i>	16.57	
		<i>For &gt;500 To 1,000, Deduct</i>	-4.51	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-8.72	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-13.53	
		<i>For &gt;5,000, Deduct</i>	-19.56	
33 01 30 71-0021	SF	Structure Lining, Spray Applied With 100 mil Structural Polyurethane.....	5.28	
33 01 30 71-0022		<b>Lining Pipe, Spray Applied With 150 mil Structural Polyurethane</b> <small>(33 01 30 71-0022)</small>		
		Note: Two part structural polyurethane.		
33 01 30 71-0023	LF	36" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	66.56	
		<i>For Up To 75, Add</i>	14.26	
		<i>For &gt;75 To 150, Add</i>	6.66	
		<i>For &gt;500 To 1,000, Deduct</i>	-1.71	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-3.32	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-5.13	
		<i>For &gt;5,000, Deduct</i>	-7.60	
33 01 30 71-0024	LF	42" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	77.67	
		<i>For Up To 75, Add</i>	16.64	
		<i>For &gt;75 To 150, Add</i>	7.77	
		<i>For &gt;500 To 1,000, Deduct</i>	-1.99	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-3.88	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-5.98	
		<i>For &gt;5,000, Deduct</i>	-8.87	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0025	LF		48" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	88.76	
			For Up To 75, Add	19.01	
			For >75 To 150, Add	8.88	
			For >500 To 1,000, Deduct	-2.28	
			For >1,000 To 2,000, Deduct	-4.43	
			For >2,000 To 5,000, Deduct	-6.84	
			For >5,000, Deduct	-10.14	
33 01 30 71-0026	LF		54" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	99.85	
			For Up To 75, Add	21.39	
			For >75 To 150, Add	9.99	
			For >500 To 1,000, Deduct	-2.56	
			For >1,000 To 2,000, Deduct	-4.99	
			For >2,000 To 5,000, Deduct	-7.69	
			For >5,000, Deduct	-11.40	
33 01 30 71-0027	LF		60" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	110.95	
			For Up To 75, Add	23.77	
			For >75 To 150, Add	11.10	
			For >500 To 1,000, Deduct	-2.85	
			For >1,000 To 2,000, Deduct	-5.54	
			For >2,000 To 5,000, Deduct	-8.55	
			For >5,000, Deduct	-12.67	
33 01 30 71-0028	LF		66" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	122.04	
			For Up To 75, Add	26.14	
			For >75 To 150, Add	12.20	
			For >500 To 1,000, Deduct	-3.13	
			For >1,000 To 2,000, Deduct	-6.09	
			For >2,000 To 5,000, Deduct	-9.40	
			For >5,000, Deduct	-13.94	
33 01 30 71-0029	LF		72" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	133.13	
			For Up To 75, Add	28.52	
			For >75 To 150, Add	13.31	
			For >500 To 1,000, Deduct	-3.42	
			For >1,000 To 2,000, Deduct	-6.65	
			For >2,000 To 5,000, Deduct	-10.26	
			For >5,000, Deduct	-15.20	
33 01 30 71-0030	LF		78" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	144.23	
			For Up To 75, Add	30.89	
			For >75 To 150, Add	14.42	
			For >500 To 1,000, Deduct	-3.70	
			For >1,000 To 2,000, Deduct	-7.20	
			For >2,000 To 5,000, Deduct	-11.11	
			For >5,000, Deduct	-16.47	
33 01 30 71-0031	LF		84" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	155.32	
			For Up To 75, Add	33.27	
			For >75 To 150, Add	15.53	
			For >500 To 1,000, Deduct	-3.99	
			For >1,000 To 2,000, Deduct	-7.76	
			For >2,000 To 5,000, Deduct	-11.96	
			For >5,000, Deduct	-17.74	
33 01 30 71-0032	LF		90" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	166.42	
			For Up To 75, Add	35.65	
			For >75 To 150, Add	16.64	
			For >500 To 1,000, Deduct	-4.27	
			For >1,000 To 2,000, Deduct	-8.31	
			For >2,000 To 5,000, Deduct	-12.82	
			For >5,000, Deduct	-19.00	
33 01 30 71-0033	LF		96" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	177.51	
			For Up To 75, Add	38.02	
			For >75 To 150, Add	17.75	
			For >500 To 1,000, Deduct	-4.56	
			For >1,000 To 2,000, Deduct	-8.86	
			For >2,000 To 5,000, Deduct	-13.67	
			For >5,000, Deduct	-20.27	
33 01 30 71-0034	LF		102" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	188.61	
			For Up To 75, Add	40.40	
			For >75 To 150, Add	18.86	
			For >500 To 1,000, Deduct	-4.84	
			For >1,000 To 2,000, Deduct	-9.42	
			For >2,000 To 5,000, Deduct	-14.53	
			For >5,000, Deduct	-21.54	
33 01 30 71-0035	LF		108" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	199.70	
			For Up To 75, Add	42.77	
			For >75 To 150, Add	19.97	
			For >500 To 1,000, Deduct	-5.13	
			For >1,000 To 2,000, Deduct	-9.97	
			For >2,000 To 5,000, Deduct	-15.38	
			For >5,000, Deduct	-22.80	
33 01 30 71-0036	LF		114" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	210.80	
			For Up To 75, Add	45.15	
			For >75 To 150, Add	21.08	
			For >500 To 1,000, Deduct	-5.41	
			For >1,000 To 2,000, Deduct	-10.53	
			For >2,000 To 5,000, Deduct	-16.24	
			For >5,000, Deduct	-24.07	
33 01 30 71-0037	LF		120" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	221.89	
			For Up To 75, Add	47.53	
			For >75 To 150, Add	22.19	
			For >500 To 1,000, Deduct	-5.70	
			For >1,000 To 2,000, Deduct	-11.08	
			For >2,000 To 5,000, Deduct	-17.09	
			For >5,000, Deduct	-25.34	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

33 01 30 71-0038	SF	Structure Lining, Spray Applied With 150 mil Structural Polyurethane.....	7.06
<b>33 01 30 71-0039</b>		<b>Lining Pipe, Spray Applied With 200 mil Structural Polyurethane</b> <small>(33 01 30 71-0002)</small>	
		Note: Two part structural polyurethane.	
33 01 30 71-0040	LF	36" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	83.40
		For Up To 75, Add	17.67
		For >75 To 150, Add	8.34
		For >500 To 1,000, Deduct	-2.07
		For >1,000 To 2,000, Deduct	-4.03
		For >2,000 To 5,000, Deduct	-6.20
		For >5,000, Deduct	-9.33
33 01 30 71-0041	LF	42" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	97.32
		For Up To 75, Add	20.62
		For >75 To 150, Add	9.73
		For >500 To 1,000, Deduct	-2.41
		For >1,000 To 2,000, Deduct	-4.71
		For >2,000 To 5,000, Deduct	-7.23
		For >5,000, Deduct	-10.89
33 01 30 71-0042	LF	48" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	111.22
		For Up To 75, Add	23.57
		For >75 To 150, Add	11.12
		For >500 To 1,000, Deduct	-2.75
		For >1,000 To 2,000, Deduct	-5.38
		For >2,000 To 5,000, Deduct	-8.26
		For >5,000, Deduct	-12.45
33 01 30 71-0043	LF	54" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	125.12
		For Up To 75, Add	26.52
		For >75 To 150, Add	12.51
		For >500 To 1,000, Deduct	-3.10
		For >1,000 To 2,000, Deduct	-6.05
		For >2,000 To 5,000, Deduct	-9.30
		For >5,000, Deduct	-14.00
33 01 30 71-0044	LF	60" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	139.02
		For Up To 75, Add	29.46
		For >75 To 150, Add	13.90
		For >500 To 1,000, Deduct	-3.44
		For >1,000 To 2,000, Deduct	-6.72
		For >2,000 To 5,000, Deduct	-10.33
		For >5,000, Deduct	-15.56
33 01 30 71-0045	LF	66" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	152.93
		For Up To 75, Add	32.41
		For >75 To 150, Add	15.29
		For >500 To 1,000, Deduct	-3.79
		For >1,000 To 2,000, Deduct	-7.39
		For >2,000 To 5,000, Deduct	-11.36
		For >5,000, Deduct	-17.12
33 01 30 71-0046	LF	72" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	166.83
		For Up To 75, Add	35.36
		For >75 To 150, Add	16.68
		For >500 To 1,000, Deduct	-4.13
		For >1,000 To 2,000, Deduct	-8.07
		For >2,000 To 5,000, Deduct	-12.40
		For >5,000, Deduct	-18.67
33 01 30 71-0047	LF	78" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	180.72
		For Up To 75, Add	38.30
		For >75 To 150, Add	18.07
		For >500 To 1,000, Deduct	-4.48
		For >1,000 To 2,000, Deduct	-8.74
		For >2,000 To 5,000, Deduct	-13.43
		For >5,000, Deduct	-20.23
33 01 30 71-0048	LF	84" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	194.63
		For Up To 75, Add	41.25
		For >75 To 150, Add	19.46
		For >500 To 1,000, Deduct	-4.82
		For >1,000 To 2,000, Deduct	-9.41
		For >2,000 To 5,000, Deduct	-14.46
		For >5,000, Deduct	-21.78
33 01 30 71-0049	LF	90" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	208.52
		For Up To 75, Add	44.19
		For >75 To 150, Add	20.85
		For >500 To 1,000, Deduct	-5.16
		For >1,000 To 2,000, Deduct	-10.08
		For >2,000 To 5,000, Deduct	-15.49
		For >5,000, Deduct	-23.34
33 01 30 71-0050	LF	96" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	222.44
		For Up To 75, Add	47.14
		For >75 To 150, Add	22.24
		For >500 To 1,000, Deduct	-5.51
		For >1,000 To 2,000, Deduct	-10.75
		For >2,000 To 5,000, Deduct	-16.53
		For >5,000, Deduct	-24.90
33 01 30 71-0051	LF	102" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	236.34
		For Up To 75, Add	50.09
		For >75 To 150, Add	23.63
		For >500 To 1,000, Deduct	-5.85
		For >1,000 To 2,000, Deduct	-11.43
		For >2,000 To 5,000, Deduct	-17.56
		For >5,000, Deduct	-26.45

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
33 01 30 71-0052	LF		108" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	250.23	
			For Up To 75, Add	53.03	
			For >75 To 150, Add	25.02	
			For >500 To 1,000, Deduct	-6.20	
			For >1,000 To 2,000, Deduct	-12.10	
			For >2,000 To 5,000, Deduct	-18.59	
			For >5,000, Deduct	-28.01	
33 01 30 71-0053	LF		114" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	264.14	
			For Up To 75, Add	55.98	
			For >75 To 150, Add	26.41	
			For >500 To 1,000, Deduct	-6.54	
			For >1,000 To 2,000, Deduct	-12.77	
			For >2,000 To 5,000, Deduct	-19.63	
			For >5,000, Deduct	-29.56	
33 01 30 71-0054	LF		120" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	278.05	
			For Up To 75, Add	58.93	
			For >75 To 150, Add	27.81	
			For >500 To 1,000, Deduct	-6.89	
			For >1,000 To 2,000, Deduct	-13.44	
			For >2,000 To 5,000, Deduct	-20.66	
			For >5,000, Deduct	-31.12	
33 01 30 71-0055	SF		Structure Lining, Spray Applied With 200 mil Structural Polyurethane .....	8.85	
<b>33 01 30 71-0056</b>			<b>Lining Pipe, Spray Applied With 250 mil Structural Polyurethane</b> (33 01 30 71-0002)		
			Note: Two part structural polyurethane.		
33 01 30 71-0057	LF		36" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	100.34	
			For Up To 75, Add	21.12	
			For >75 To 150, Add	10.03	
			For >500 To 1,000, Deduct	-2.43	
			For >1,000 To 2,000, Deduct	-4.75	
			For >2,000 To 5,000, Deduct	-7.28	
			For >5,000, Deduct	-11.08	
33 01 30 71-0058	LF		42" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	117.07	
			For Up To 75, Add	24.64	
			For >75 To 150, Add	11.71	
			For >500 To 1,000, Deduct	-2.83	
			For >1,000 To 2,000, Deduct	-5.54	
			For >2,000 To 5,000, Deduct	-8.49	
			For >5,000, Deduct	-12.93	
33 01 30 71-0059	LF		48" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	133.79	
			For Up To 75, Add	28.15	
			For >75 To 150, Add	13.38	
			For >500 To 1,000, Deduct	-3.23	
			For >1,000 To 2,000, Deduct	-6.33	
			For >2,000 To 5,000, Deduct	-9.70	
			For >5,000, Deduct	-14.78	
33 01 30 71-0060	LF		54" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	150.50	
			For Up To 75, Add	31.67	
			For >75 To 150, Add	15.05	
			For >500 To 1,000, Deduct	-3.64	
			For >1,000 To 2,000, Deduct	-7.12	
			For >2,000 To 5,000, Deduct	-10.91	
			For >5,000, Deduct	-16.62	
33 01 30 71-0061	LF		60" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	167.23	
			For Up To 75, Add	35.19	
			For >75 To 150, Add	16.72	
			For >500 To 1,000, Deduct	-4.04	
			For >1,000 To 2,000, Deduct	-7.91	
			For >2,000 To 5,000, Deduct	-12.13	
			For >5,000, Deduct	-18.47	
33 01 30 71-0062	LF		66" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	183.96	
			For Up To 75, Add	38.71	
			For >75 To 150, Add	18.40	
			For >500 To 1,000, Deduct	-4.45	
			For >1,000 To 2,000, Deduct	-8.70	
			For >2,000 To 5,000, Deduct	-13.34	
			For >5,000, Deduct	-20.32	
33 01 30 71-0063	LF		72" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	200.68	
			For Up To 75, Add	42.23	
			For >75 To 150, Add	20.07	
			For >500 To 1,000, Deduct	-4.85	
			For >1,000 To 2,000, Deduct	-9.49	
			For >2,000 To 5,000, Deduct	-14.55	
			For >5,000, Deduct	-22.16	
33 01 30 71-0064	LF		78" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	217.41	
			For Up To 75, Add	45.75	
			For >75 To 150, Add	21.74	
			For >500 To 1,000, Deduct	-5.26	
			For >1,000 To 2,000, Deduct	-10.28	
			For >2,000 To 5,000, Deduct	-15.77	
			For >5,000, Deduct	-24.01	
33 01 30 71-0065	LF		84" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	234.12	
			For Up To 75, Add	49.27	
			For >75 To 150, Add	23.41	
			For >500 To 1,000, Deduct	-5.66	
			For >1,000 To 2,000, Deduct	-11.07	
			For >2,000 To 5,000, Deduct	-16.98	
			For >5,000, Deduct	-25.85	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 01 30 71-0066	LF	90" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	250.85
		<i>For Up To 75, Add</i>	52.79
		<i>For &gt;75 To 150, Add</i>	25.09
		<i>For &gt;500 To 1,000, Deduct</i>	-6.06
		<i>For &gt;1,000 To 2,000, Deduct</i>	-11.87
		<i>For &gt;2,000 To 5,000, Deduct</i>	-18.19
		<i>For &gt;5,000, Deduct</i>	-27.70
33 01 30 71-0067	LF	96" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	267.57
		<i>For Up To 75, Add</i>	56.31
		<i>For &gt;75 To 150, Add</i>	26.76
		<i>For &gt;500 To 1,000, Deduct</i>	-6.47
		<i>For &gt;1,000 To 2,000, Deduct</i>	-12.66
		<i>For &gt;2,000 To 5,000, Deduct</i>	-19.40
		<i>For &gt;5,000, Deduct</i>	-29.55
33 01 30 71-0068	LF	102" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	284.29
		<i>For Up To 75, Add</i>	59.82
		<i>For &gt;75 To 150, Add</i>	28.43
		<i>For &gt;500 To 1,000, Deduct</i>	-6.87
		<i>For &gt;1,000 To 2,000, Deduct</i>	-13.45
		<i>For &gt;2,000 To 5,000, Deduct</i>	-20.62
		<i>For &gt;5,000, Deduct</i>	-31.40
33 01 30 71-0069	LF	108" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	301.03
		<i>For Up To 75, Add</i>	63.35
		<i>For &gt;75 To 150, Add</i>	30.10
		<i>For &gt;500 To 1,000, Deduct</i>	-7.28
		<i>For &gt;1,000 To 2,000, Deduct</i>	-14.24
		<i>For &gt;2,000 To 5,000, Deduct</i>	-21.83
		<i>For &gt;5,000, Deduct</i>	-33.24
33 01 30 71-0070	LF	114" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	317.75
		<i>For Up To 75, Add</i>	66.87
		<i>For &gt;75 To 150, Add</i>	31.78
		<i>For &gt;500 To 1,000, Deduct</i>	-7.68
		<i>For &gt;1,000 To 2,000, Deduct</i>	-15.03
		<i>For &gt;2,000 To 5,000, Deduct</i>	-23.04
		<i>For &gt;5,000, Deduct</i>	-35.09
33 01 30 71-0071	LF	120" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	334.47
		<i>For Up To 75, Add</i>	70.38
		<i>For &gt;75 To 150, Add</i>	33.45
		<i>For &gt;500 To 1,000, Deduct</i>	-8.09
		<i>For &gt;1,000 To 2,000, Deduct</i>	-15.82
		<i>For &gt;2,000 To 5,000, Deduct</i>	-24.26
		<i>For &gt;5,000, Deduct</i>	-36.94
33 01 30 71-0072	SF	Structure Lining, Spray Applied With 250 mil Structural Polyurethane.....	10.65
<b>33 01 30 71-0073</b>		<b>Lining Pipe, Spray Applied With 300 mil Structural Polyurethane</b> <small>(33 01 30 71-0002)</small>	
		Note: Two part structural polyurethane.	
33 01 30 71-0074	LF	36" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	117.39
		<i>For Up To 75, Add</i>	24.58
		<i>For &gt;75 To 150, Add</i>	11.74
		<i>For &gt;500 To 1,000, Deduct</i>	-2.79
		<i>For &gt;1,000 To 2,000, Deduct</i>	-5.47
		<i>For &gt;2,000 To 5,000, Deduct</i>	-8.37
		<i>For &gt;5,000, Deduct</i>	-12.84
33 01 30 71-0075	LF	42" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	136.95
		<i>For Up To 75, Add</i>	28.68
		<i>For &gt;75 To 150, Add</i>	13.70
		<i>For &gt;500 To 1,000, Deduct</i>	-3.25
		<i>For &gt;1,000 To 2,000, Deduct</i>	-6.38
		<i>For &gt;2,000 To 5,000, Deduct</i>	-9.76
		<i>For &gt;5,000, Deduct</i>	-14.98
33 01 30 71-0076	LF	48" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	156.51
		<i>For Up To 75, Add</i>	32.77
		<i>For &gt;75 To 150, Add</i>	15.65
		<i>For &gt;500 To 1,000, Deduct</i>	-3.72
		<i>For &gt;1,000 To 2,000, Deduct</i>	-7.29
		<i>For &gt;2,000 To 5,000, Deduct</i>	-11.15
		<i>For &gt;5,000, Deduct</i>	-17.12
33 01 30 71-0077	LF	54" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	176.07
		<i>For Up To 75, Add</i>	36.87
		<i>For &gt;75 To 150, Add</i>	17.61
		<i>For &gt;500 To 1,000, Deduct</i>	-4.18
		<i>For &gt;1,000 To 2,000, Deduct</i>	-8.20
		<i>For &gt;2,000 To 5,000, Deduct</i>	-12.55
		<i>For &gt;5,000, Deduct</i>	-19.26
33 01 30 71-0078	LF	60" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	195.64
		<i>For Up To 75, Add</i>	40.97
		<i>For &gt;75 To 150, Add</i>	19.56
		<i>For &gt;500 To 1,000, Deduct</i>	-4.65
		<i>For &gt;1,000 To 2,000, Deduct</i>	-9.11
		<i>For &gt;2,000 To 5,000, Deduct</i>	-13.94
		<i>For &gt;5,000, Deduct</i>	-21.40
33 01 30 71-0079	LF	66" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	215.20
		<i>For Up To 75, Add</i>	45.06
		<i>For &gt;75 To 150, Add</i>	21.52
		<i>For &gt;500 To 1,000, Deduct</i>	-5.11
		<i>For &gt;1,000 To 2,000, Deduct</i>	-10.02
		<i>For &gt;2,000 To 5,000, Deduct</i>	-15.34
		<i>For &gt;5,000, Deduct</i>	-23.54



MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
			UNIT COST	UNIT COST
33 01 30 71-0080	LF	72" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	234.76	
		<i>For Up To 75, Add</i>	49.16	
		<i>For &gt;75 To 150, Add</i>	23.48	
		<i>For &gt;500 To 1,000, Deduct</i>	-5.58	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-10.93	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-16.73	
		<i>For &gt;5,000, Deduct</i>	-25.68	
33 01 30 71-0081	LF	78" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	254.32	
		<i>For Up To 75, Add</i>	53.25	
		<i>For &gt;75 To 150, Add</i>	25.43	
		<i>For &gt;500 To 1,000, Deduct</i>	-6.04	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-11.84	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-18.12	
		<i>For &gt;5,000, Deduct</i>	-27.82	
33 01 30 71-0082	LF	84" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	273.88	
		<i>For Up To 75, Add</i>	57.35	
		<i>For &gt;75 To 150, Add</i>	27.39	
		<i>For &gt;500 To 1,000, Deduct</i>	-6.51	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-12.75	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-19.52	
		<i>For &gt;5,000, Deduct</i>	-29.96	
33 01 30 71-0083	LF	90" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	293.45	
		<i>For Up To 75, Add</i>	61.45	
		<i>For &gt;75 To 150, Add</i>	29.35	
		<i>For &gt;500 To 1,000, Deduct</i>	-6.97	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-13.67	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-20.91	
		<i>For &gt;5,000, Deduct</i>	-32.10	
33 01 30 71-0084	LF	96" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	313.02	
		<i>For Up To 75, Add</i>	65.54	
		<i>For &gt;75 To 150, Add</i>	31.30	
		<i>For &gt;500 To 1,000, Deduct</i>	-7.44	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-14.58	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-22.31	
		<i>For &gt;5,000, Deduct</i>	-34.24	
33 01 30 71-0085	LF	102" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	332.58	
		<i>For Up To 75, Add</i>	69.64	
		<i>For &gt;75 To 150, Add</i>	33.26	
		<i>For &gt;500 To 1,000, Deduct</i>	-7.90	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-15.49	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-23.70	
		<i>For &gt;5,000, Deduct</i>	-36.38	
33 01 30 71-0086	LF	108" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	352.15	
		<i>For Up To 75, Add</i>	73.74	
		<i>For &gt;75 To 150, Add</i>	35.22	
		<i>For &gt;500 To 1,000, Deduct</i>	-8.37	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-16.40	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-25.10	
		<i>For &gt;5,000, Deduct</i>	-38.52	
33 01 30 71-0087	LF	114" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	371.72	
		<i>For Up To 75, Add</i>	77.83	
		<i>For &gt;75 To 150, Add</i>	37.17	
		<i>For &gt;500 To 1,000, Deduct</i>	-8.83	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-17.31	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-26.49	
		<i>For &gt;5,000, Deduct</i>	-40.66	
33 01 30 71-0088	LF	120" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	391.28	
		<i>For Up To 75, Add</i>	81.93	
		<i>For &gt;75 To 150, Add</i>	39.13	
		<i>For &gt;500 To 1,000, Deduct</i>	-9.30	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-18.22	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-27.89	
		<i>For &gt;5,000, Deduct</i>	-42.80	
33 01 30 71-0089	SF	Structure Lining, Spray Applied With 300 mil Structural Polyurethane .....	12.46	
<b>33 01 30 71-0090</b>		<b>Lining Pipe, Spray Applied With 400 mil Structural Polyurethane</b> <small>(33 01 30 71-0092)</small>		
		Note: Two part structural polyurethane.		
33 01 30 71-0091	LF	36" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	151.53	
		<i>For Up To 75, Add</i>	31.53	
		<i>For &gt;75 To 150, Add</i>	15.15	
		<i>For &gt;500 To 1,000, Deduct</i>	-3.52	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-6.92	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-10.56	
		<i>For &gt;5,000, Deduct</i>	-16.38	
33 01 30 71-0092	LF	42" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	176.80	
		<i>For Up To 75, Add</i>	36.79	
		<i>For &gt;75 To 150, Add</i>	17.68	
		<i>For &gt;500 To 1,000, Deduct</i>	-4.11	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-8.07	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-12.32	
		<i>For &gt;5,000, Deduct</i>	-19.11	
33 01 30 71-0093	LF	48" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	202.04	
		<i>For Up To 75, Add</i>	42.04	
		<i>For &gt;75 To 150, Add</i>	20.20	
		<i>For &gt;500 To 1,000, Deduct</i>	-4.69	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-9.22	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-14.08	
		<i>For &gt;5,000, Deduct</i>	-21.84	

**33 Utilities**

**33 01 Operation and Maintenance of Utilities**

**33 01 30 Operation and Maintenance of Sewer Utilities**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01	30 71-0094	LF	54" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	227.30	
			For Up To 75, Add	47.30	
			For >75 To 150, Add	22.73	
			For >500 To 1,000, Deduct	-5.28	
			For >1,000 To 2,000, Deduct	-10.38	
			For >2,000 To 5,000, Deduct	-15.84	
			For >5,000, Deduct	-24.57	
33 01	30 71-0095	LF	60" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	252.55	
			For Up To 75, Add	52.55	
			For >75 To 150, Add	25.26	
			For >500 To 1,000, Deduct	-5.87	
			For >1,000 To 2,000, Deduct	-11.53	
			For >2,000 To 5,000, Deduct	-17.60	
			For >5,000, Deduct	-27.30	
33 01	30 71-0096	LF	66" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	277.81	
			For Up To 75, Add	57.81	
			For >75 To 150, Add	27.78	
			For >500 To 1,000, Deduct	-6.45	
			For >1,000 To 2,000, Deduct	-12.68	
			For >2,000 To 5,000, Deduct	-19.36	
			For >5,000, Deduct	-30.03	
33 01	30 71-0097	LF	72" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	303.07	
			For Up To 75, Add	63.06	
			For >75 To 150, Add	30.31	
			For >500 To 1,000, Deduct	-7.04	
			For >1,000 To 2,000, Deduct	-13.84	
			For >2,000 To 5,000, Deduct	-21.12	
			For >5,000, Deduct	-32.76	
33 01	30 71-0098	LF	78" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	328.33	
			For Up To 75, Add	68.32	
			For >75 To 150, Add	32.83	
			For >500 To 1,000, Deduct	-7.63	
			For >1,000 To 2,000, Deduct	-14.99	
			For >2,000 To 5,000, Deduct	-22.88	
			For >5,000, Deduct	-35.49	
33 01	30 71-0099	LF	84" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	353.57	
			For Up To 75, Add	73.57	
			For >75 To 150, Add	35.36	
			For >500 To 1,000, Deduct	-8.21	
			For >1,000 To 2,000, Deduct	-16.14	
			For >2,000 To 5,000, Deduct	-24.64	
			For >5,000, Deduct	-38.21	
33 01	30 71-0100	LF	90" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	378.83	
			For Up To 75, Add	78.83	
			For >75 To 150, Add	37.88	
			For >500 To 1,000, Deduct	-8.80	
			For >1,000 To 2,000, Deduct	-17.30	
			For >2,000 To 5,000, Deduct	-26.40	
			For >5,000, Deduct	-40.94	
33 01	30 71-0101	LF	96" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	404.08	
			For Up To 75, Add	84.08	
			For >75 To 150, Add	40.41	
			For >500 To 1,000, Deduct	-9.39	
			For >1,000 To 2,000, Deduct	-18.45	
			For >2,000 To 5,000, Deduct	-28.16	
			For >5,000, Deduct	-43.67	
33 01	30 71-0102	LF	102" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	429.34	
			For Up To 75, Add	89.34	
			For >75 To 150, Add	42.93	
			For >500 To 1,000, Deduct	-9.97	
			For >1,000 To 2,000, Deduct	-19.60	
			For >2,000 To 5,000, Deduct	-29.92	
			For >5,000, Deduct	-46.40	
33 01	30 71-0103	LF	108" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	454.60	
			For Up To 75, Add	94.59	
			For >75 To 150, Add	45.46	
			For >500 To 1,000, Deduct	-10.56	
			For >1,000 To 2,000, Deduct	-20.76	
			For >2,000 To 5,000, Deduct	-31.68	
			For >5,000, Deduct	-49.13	
33 01	30 71-0104	LF	114" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	479.85	
			For Up To 75, Add	99.85	
			For >75 To 150, Add	47.99	
			For >500 To 1,000, Deduct	-11.15	
			For >1,000 To 2,000, Deduct	-21.91	
			For >2,000 To 5,000, Deduct	-33.44	
			For >5,000, Deduct	-51.86	
33 01	30 71-0105	LF	120" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	505.11	
			For Up To 75, Add	105.10	
			For >75 To 150, Add	50.51	
			For >500 To 1,000, Deduct	-11.73	
			For >1,000 To 2,000, Deduct	-23.06	
			For >2,000 To 5,000, Deduct	-35.20	
			For >5,000, Deduct	-54.59	
33 01	30 71-0106	SF	Structure Lining, Spray Applied With 400 mil Structural Polyurethane.....	16.08	

33 01 30 71-0107 Lining Pipe, Spray Applied With 500 mil Structural Polyurethane (33 01 30 71-0002)  
 Note: Two part structural polyurethane.

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0108	LF	36" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	186.01	
		For Up To 75, Add	38.56	
		For >75 To 150, Add	18.60	
		For >500 To 1,000, Deduct	-4.26	
		For >1,000 To 2,000, Deduct	-8.39	
		For >2,000 To 5,000, Deduct	-12.79	
		For >5,000, Deduct	-19.96	
33 01 30 71-0109	LF	42" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	217.01	
		For Up To 75, Add	44.99	
		For >75 To 150, Add	21.70	
		For >500 To 1,000, Deduct	-4.98	
		For >1,000 To 2,000, Deduct	-9.79	
		For >2,000 To 5,000, Deduct	-14.93	
		For >5,000, Deduct	-23.29	
33 01 30 71-0110	LF	48" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	248.02	
		For Up To 75, Add	51.42	
		For >75 To 150, Add	24.80	
		For >500 To 1,000, Deduct	-5.69	
		For >1,000 To 2,000, Deduct	-11.19	
		For >2,000 To 5,000, Deduct	-17.06	
		For >5,000, Deduct	-26.62	
33 01 30 71-0111	LF	54" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	279.02	
		For Up To 75, Add	57.84	
		For >75 To 150, Add	27.90	
		For >500 To 1,000, Deduct	-6.40	
		For >1,000 To 2,000, Deduct	-12.59	
		For >2,000 To 5,000, Deduct	-19.19	
		For >5,000, Deduct	-29.94	
33 01 30 71-0112	LF	60" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	310.02	
		For Up To 75, Add	64.27	
		For >75 To 150, Add	31.00	
		For >500 To 1,000, Deduct	-7.11	
		For >1,000 To 2,000, Deduct	-13.99	
		For >2,000 To 5,000, Deduct	-21.32	
		For >5,000, Deduct	-33.27	
33 01 30 71-0113	LF	66" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	341.02	
		For Up To 75, Add	70.70	
		For >75 To 150, Add	34.10	
		For >500 To 1,000, Deduct	-7.82	
		For >1,000 To 2,000, Deduct	-15.39	
		For >2,000 To 5,000, Deduct	-23.45	
		For >5,000, Deduct	-36.60	
33 01 30 71-0114	LF	72" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	372.03	
		For Up To 75, Add	77.13	
		For >75 To 150, Add	37.20	
		For >500 To 1,000, Deduct	-8.53	
		For >1,000 To 2,000, Deduct	-16.79	
		For >2,000 To 5,000, Deduct	-25.59	
		For >5,000, Deduct	-39.92	
33 01 30 71-0115	LF	78" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	403.02	
		For Up To 75, Add	83.55	
		For >75 To 150, Add	40.30	
		For >500 To 1,000, Deduct	-9.24	
		For >1,000 To 2,000, Deduct	-18.18	
		For >2,000 To 5,000, Deduct	-27.72	
		For >5,000, Deduct	-43.25	
33 01 30 71-0116	LF	84" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	434.03	
		For Up To 75, Add	89.98	
		For >75 To 150, Add	43.40	
		For >500 To 1,000, Deduct	-9.95	
		For >1,000 To 2,000, Deduct	-19.58	
		For >2,000 To 5,000, Deduct	-29.85	
		For >5,000, Deduct	-46.58	
33 01 30 71-0117	LF	90" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	465.04	
		For Up To 75, Add	96.41	
		For >75 To 150, Add	46.50	
		For >500 To 1,000, Deduct	-10.66	
		For >1,000 To 2,000, Deduct	-20.98	
		For >2,000 To 5,000, Deduct	-31.98	
		For >5,000, Deduct	-49.91	
33 01 30 71-0118	LF	96" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	496.04	
		For Up To 75, Add	102.84	
		For >75 To 150, Add	49.60	
		For >500 To 1,000, Deduct	-11.37	
		For >1,000 To 2,000, Deduct	-22.38	
		For >2,000 To 5,000, Deduct	-34.12	
		For >5,000, Deduct	-53.23	
33 01 30 71-0119	LF	102" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	527.04	
		For Up To 75, Add	109.26	
		For >75 To 150, Add	52.70	
		For >500 To 1,000, Deduct	-12.08	
		For >1,000 To 2,000, Deduct	-23.78	
		For >2,000 To 5,000, Deduct	-36.25	
		For >5,000, Deduct	-56.56	
33 01 30 71-0120	LF	108" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	558.04	
		For Up To 75, Add	115.69	
		For >75 To 150, Add	55.80	
		For >500 To 1,000, Deduct	-12.79	
		For >1,000 To 2,000, Deduct	-25.18	
		For >2,000 To 5,000, Deduct	-38.38	
		For >5,000, Deduct	-59.89	

**33 Utilities**  
**33 01 Operation and Maintenance of Utilities**  
**33 01 30 Operation and Maintenance of Sewer Utilities**



MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

33 01 30 71-0121	LF	114" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	589.05
		For Up To 75, Add	122.12
		For >75 To 150, Add	58.91
		For >500 To 1,000, Deduct	-13.50
		For >1,000 To 2,000, Deduct	-26.58
		For >2,000 To 5,000, Deduct	-40.51
		For >5,000, Deduct	-63.21
33 01 30 71-0122	LF	120" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	620.05
		For Up To 75, Add	128.55
		For >75 To 150, Add	62.01
		For >500 To 1,000, Deduct	-14.22
		For >1,000 To 2,000, Deduct	-27.98
		For >2,000 To 5,000, Deduct	-42.65
		For >5,000, Deduct	-66.54
33 01 30 71-0123	SF	Structure Lining, Spray Applied With 500 mil Structural Polyurethane.....	19.74

**33 01 30 72 Cured-in-Place Pipe Lining (33 01 30)**

33 01 30 72-0001	<b>Cured-In-Place Pipe (CIPP) Relining Underground Pipelines (33 01 30 72)</b>		
	Note: Excludes CCTV inspection and sewer cleaning. See CSI section 33 01 30 11-0000 for CCTV inspection, 33 01 30 41-0002 for sewer cleaning.		
33 01 30 72-0002	<b>Cured In-Place Pipe (CIPP) Lining Set-Up And Reinsertion (33 01 30 72-0001)</b>		
33 01 30 72-0003	EA	Initial Set Up And Final Equipment Removal For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP).....	1,470.21
33 01 30 72-0004	EA	Initial Set Up And Final Equipment Removal For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP).....	2,450.36
33 01 30 72-0005	EA	Initial Set Up And Final Equipment Removal For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP).....	3,675.55
33 01 30 72-0006	EA	Initial Set Up And Final Equipment Removal For Relining Underground Pipelines Cured In-Place Pipe (CIPP).....	4,900.73
33 01 30 72-0007	EA	Move And Reset Up At Different Access/Location For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP).....	735.11
33 01 30 72-0008	EA	Move And Reset Up At Different Access/Location For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP).....	1,225.19
33 01 30 72-0009	EA	Move And Reset Up At Different Access/Location For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP).....	1,531.48
33 01 30 72-0010	EA	Move And Reset Up At Different Access/Location For Relining Underground Pipelines Cured In-Place Pipe (CIPP).....	1,960.29
33 01 30 72-0011	EA	Mixing Truck And Refrigeration For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP) .....	1,225.19
		Note: Need to mix wet material in bag prior to installation.	
33 01 30 72-0012	EA	Mixing Truck And Refrigeration For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP).....	2,940.44
		Note: Need to mix wet material in bag prior to installation.	
33 01 30 72-0013	EA	Mixing Truck And Refrigeration For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP).....	4,900.73
		Note: Need to mix wet material in bag prior to installation.	
33 01 30 72-0014	EA	Mixing Truck And Refrigeration For Relining >48" To 72" Underground Pipelines Cured In-Place Pipe (CIPP).....	7,351.09
		Note: Need to mix wet material in bag prior to installation.	
33 01 30 72-0015	<b>Lining Pipe With Polyester Resin Impregnated Cured In-Place Pipe (CIPP)</b>		
	(33 01 30 72-0001)		
	Note: Cured in-place thermosetting resin pipe and resin impregnated tube. Excludes video camera inspection, culvert cleaning and grouting. Use round equivalent pipe sizes for elliptical, oval or arched pipe.		
33 01 30 72-0016	<b>4.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)</b>		
33 01 30 72-0017	LF	4.5mm Lining 2" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	18.71
		For Vinlyester Resin, Add	4.09
		For Epoxy Resin, Add	0.48
		For Up To >10, Add	41.53
		For >10 To 25, Add	33.64
		For >25 To 50, Add	20.47
		For >50 To 100, Add	10.24
		For >500 To 1,000, Deduct	-1.26
		For >1,000 To 2,000, Deduct	-2.05
		For >2,000 To 5,000, Deduct	-3.92
		For >5,000, Deduct	-6.32
33 01 30 72-0018	LF	4.5mm Lining 3" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	21.92
		For Vinlyester Resin, Add	6.34
		For Epoxy Resin, Add	0.75
		For Up To >10, Add	43.14
		For >10 To 25, Add	34.44
		For >25 To 50, Add	21.12
		For >50 To 100, Add	10.56
		For >500 To 1,000, Deduct	-1.42
		For >1,000 To 2,000, Deduct	-2.29
		For >2,000 To 5,000, Deduct	-4.30
		For >5,000, Deduct	-6.96
33 01 30 72-0019	LF	4.5mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	25.13
		For Vinlyester Resin, Add	8.58
		For Epoxy Resin, Add	1.01
		For Up To >10, Add	44.74
		For >10 To 25, Add	35.24
		For >25 To 50, Add	21.76
		For >50 To 100, Add	10.88
		For >500 To 1,000, Deduct	-1.58
		For >1,000 To 2,000, Deduct	-2.53
		For >2,000 To 5,000, Deduct	-4.69
		For >5,000, Deduct	-7.60

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0020	LF		4.5mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	32.76	
			For Vinylster Resin, Add	13.07	
			For Epoxy Resin, Add	1.54	
			For Up To >10, Add	51.61	
			For >10 To 25, Add	39.89	
			For >25 To 50, Add	24.87	
			For >50 To 100, Add	12.43	
			For >500 To 1,000, Deduct	-1.99	
			For >1,000 To 2,000, Deduct	-3.16	
			For >2,000 To 5,000, Deduct	-5.76	
			For >5,000, Deduct	-9.37	
33 01 30 72-0021	LF		4.5mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	40.40	
			For Vinylster Resin, Add	17.56	
			For Epoxy Resin, Add	2.07	
			For Up To >10, Add	58.50	
			For >10 To 25, Add	44.57	
			For >25 To 50, Add	28.00	
			For >50 To 100, Add	14.00	
			For >500 To 1,000, Deduct	-2.40	
			For >1,000 To 2,000, Deduct	-3.80	
			For >2,000 To 5,000, Deduct	-6.84	
			For >5,000, Deduct	-11.14	
<b>33 01 30 72-0022</b>			<b>6mm Thick Lining Cured In-Place Pipe</b> (33 01 30 72-0015)		
33 01 30 72-0023	LF		6mm Lining 3" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	24.68	
			For Vinylster Resin, Add	8.27	
			For Epoxy Resin, Add	0.97	
			For Up To >10, Add	44.52	
			For >10 To 25, Add	35.13	
			For >25 To 50, Add	21.67	
			For >50 To 100, Add	10.83	
			For >500 To 1,000, Deduct	-1.56	
			For >1,000 To 2,000, Deduct	-2.49	
			For >2,000 To 5,000, Deduct	-4.63	
			For >5,000, Deduct	-7.51	
33 01 30 72-0024	LF		6mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	28.96	
			For Vinylster Resin, Add	11.26	
			For Epoxy Resin, Add	1.33	
			For Up To >10, Add	46.66	
			For >10 To 25, Add	36.20	
			For >25 To 50, Add	22.52	
			For >50 To 100, Add	11.26	
			For >500 To 1,000, Deduct	-1.77	
			For >1,000 To 2,000, Deduct	-2.82	
			For >2,000 To 5,000, Deduct	-5.15	
			For >5,000, Deduct	-8.37	
33 01 30 72-0025	LF		6mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	38.73	
			For Vinylster Resin, Add	17.25	
			For Epoxy Resin, Add	2.03	
			For Up To >10, Add	54.59	
			For >10 To 25, Add	41.39	
			For >25 To 50, Add	26.06	
			For >50 To 100, Add	13.03	
			For >500 To 1,000, Deduct	-2.29	
			For >1,000 To 2,000, Deduct	-3.61	
			For >2,000 To 5,000, Deduct	-6.48	
			For >5,000, Deduct	-10.56	
33 01 30 72-0026	LF		6mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	48.51	
			For Vinylster Resin, Add	23.23	
			For Epoxy Resin, Add	2.74	
			For Up To >10, Add	62.56	
			For >10 To 25, Add	46.60	
			For >25 To 50, Add	29.62	
			For >50 To 100, Add	14.81	
			For >500 To 1,000, Deduct	-2.81	
			For >1,000 To 2,000, Deduct	-4.40	
			For >2,000 To 5,000, Deduct	-7.81	
			For >5,000, Deduct	-12.77	
33 01 30 72-0027	LF		6mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	58.40	
			For Vinylster Resin, Add	29.22	
			For Epoxy Resin, Add	3.44	
			For Up To >10, Add	70.85	
			For >10 To 25, Add	52.09	
			For >25 To 50, Add	33.34	
			For >50 To 100, Add	16.67	
			For >500 To 1,000, Deduct	-3.34	
			For >1,000 To 2,000, Deduct	-5.21	
			For >2,000 To 5,000, Deduct	-9.17	
			For >5,000, Deduct	-15.01	
33 01 30 72-0028	LF		6mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	68.66	
			For Vinylster Resin, Add	35.20	
			For Epoxy Resin, Add	4.15	
			For Up To >10, Add	80.28	
			For >10 To 25, Add	58.52	
			For >25 To 50, Add	37.63	
			For >50 To 100, Add	18.81	
			For >500 To 1,000, Deduct	-3.89	
			For >1,000 To 2,000, Deduct	-6.07	
			For >2,000 To 5,000, Deduct	-10.63	
			For >5,000, Deduct	-17.41	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
33 01 30 72-0029	7.5mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>		
33 01 30 72-0030	LF 7.5mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....		32.67
	For Vinlyester Resin, Add	13.86	
	For Epoxy Resin, Add	1.63	
	For Up To >10, Add	48.51	
	For >10 To 25, Add	37.13	
	For >25 To 50, Add	23.27	
	For >50 To 100, Add	11.63	
	For >500 To 1,000, Deduct	-1.96	
	For >1,000 To 2,000, Deduct	-3.09	
	For >2,000 To 5,000, Deduct	-5.59	
	For >5,000, Deduct	-9.11	
33 01 30 72-0031	LF 7.5mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....		44.57
	For Vinlyester Resin, Add	21.34	
	For Epoxy Resin, Add	2.51	
	For Up To >10, Add	57.51	
	For >10 To 25, Add	42.85	
	For >25 To 50, Add	27.23	
	For >50 To 100, Add	13.62	
	For >500 To 1,000, Deduct	-2.58	
	For >1,000 To 2,000, Deduct	-4.05	
	For >2,000 To 5,000, Deduct	-7.18	
	For >5,000, Deduct	-11.73	
33 01 30 72-0032	LF 7.5mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....		56.49
	For Vinlyester Resin, Add	28.82	
	For Epoxy Resin, Add	3.40	
	For Up To >10, Add	66.55	
	For >10 To 25, Add	48.59	
	For >25 To 50, Add	31.21	
	For >50 To 100, Add	15.61	
	For >500 To 1,000, Deduct	-3.21	
	For >1,000 To 2,000, Deduct	-5.00	
	For >2,000 To 5,000, Deduct	-8.77	
	For >5,000, Deduct	-14.36	
33 01 30 72-0033	LF 7.5mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....		68.51
	For Vinlyester Resin, Add	36.30	
	For Epoxy Resin, Add	4.28	
	For Up To >10, Add	75.91	
	For >10 To 25, Add	54.61	
	For >25 To 50, Add	35.36	
	For >50 To 100, Add	17.68	
	For >500 To 1,000, Deduct	-3.84	
	For >1,000 To 2,000, Deduct	-5.97	
	For >2,000 To 5,000, Deduct	-10.39	
	For >5,000, Deduct	-17.03	
33 01 30 72-0034	LF 7.5mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....		80.92
	For Vinlyester Resin, Add	43.78	
	For Epoxy Resin, Add	5.16	
	For Up To >10, Add	86.41	
	For >10 To 25, Add	61.59	
	For >25 To 50, Add	40.08	
	For >50 To 100, Add	20.04	
	For >500 To 1,000, Deduct	-4.51	
	For >1,000 To 2,000, Deduct	-6.99	
	For >2,000 To 5,000, Deduct	-12.10	
	For >5,000, Deduct	-19.86	
33 01 30 72-0035	LF 7.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....		99.40
	For Vinlyester Resin, Add	55.00	
	For Epoxy Resin, Add	6.48	
	For Up To >10, Add	101.78	
	For >10 To 25, Add	71.72	
	For >25 To 50, Add	46.96	
	For >50 To 100, Add	23.48	
	For >500 To 1,000, Deduct	-5.49	
	For >1,000 To 2,000, Deduct	-8.50	
	For >2,000 To 5,000, Deduct	-14.64	
	For >5,000, Deduct	-24.05	
33 01 30 72-0036	LF 7.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....		118.12
	For Vinlyester Resin, Add	66.22	
	For Epoxy Resin, Add	7.80	
	For Up To >10, Add	117.86	
	For >10 To 25, Add	82.45	
	For >25 To 50, Add	54.20	
	For >50 To 100, Add	27.10	
	For >500 To 1,000, Deduct	-6.49	
	For >1,000 To 2,000, Deduct	-10.04	
	For >2,000 To 5,000, Deduct	-17.23	
	For >5,000, Deduct	-28.33	

33 01 30 72-0037 9mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0038	LF	9mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	50.29	
		For Vinylster Resin, Add	25.34	
		For Epoxy Resin, Add	2.99	
		For Up To >10, Add	60.37	
		For >10 To 25, Add	44.28	
		For >25 To 50, Add	28.38	
		For >50 To 100, Add	14.19	
		For >500 To 1,000, Deduct	-2.87	
		For >1,000 To 2,000, Deduct	-4.48	
		For >2,000 To 5,000, Deduct	-7.87	
		For >5,000, Deduct	-12.88	
33 01 30 72-0039	LF	9mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	64.34	
		For Vinylster Resin, Add	34.31	
		For Epoxy Resin, Add	4.04	
		For Up To >10, Add	70.47	
		For >10 To 25, Add	50.56	
		For >25 To 50, Add	32.78	
		For >50 To 100, Add	16.39	
		For >500 To 1,000, Deduct	-3.60	
		For >1,000 To 2,000, Deduct	-5.59	
		For >2,000 To 5,000, Deduct	-9.71	
		For >5,000, Deduct	-15.93	
33 01 30 72-0040	LF	9mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	78.51	
		For Vinylster Resin, Add	43.30	
		For Epoxy Resin, Add	5.10	
		For Up To >10, Add	80.91	
		For >10 To 25, Add	57.11	
		For >25 To 50, Add	37.36	
		For >50 To 100, Add	18.68	
		For >500 To 1,000, Deduct	-4.34	
		For >1,000 To 2,000, Deduct	-6.72	
		For >2,000 To 5,000, Deduct	-11.59	
		For >5,000, Deduct	-19.03	
33 01 30 72-0041	LF	9mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	93.05	
		For Vinylster Resin, Add	52.27	
		For Epoxy Resin, Add	6.16	
		For Up To >10, Add	92.48	
		For >10 To 25, Add	64.62	
		For >25 To 50, Add	42.50	
		For >50 To 100, Add	21.25	
		For >500 To 1,000, Deduct	-5.11	
		For >1,000 To 2,000, Deduct	-7.90	
		For >2,000 To 5,000, Deduct	-13.56	
		For >5,000, Deduct	-22.29	
33 01 30 72-0042	LF	9mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	114.74	
		For Vinylster Resin, Add	65.74	
		For Epoxy Resin, Add	7.75	
		For Up To >10, Add	109.45	
		For >10 To 25, Add	75.55	
		For >25 To 50, Add	50.03	
		For >50 To 100, Add	25.01	
		For >500 To 1,000, Deduct	-6.26	
		For >1,000 To 2,000, Deduct	-9.65	
		For >2,000 To 5,000, Deduct	-16.48	
		For >5,000, Deduct	-27.11	
33 01 30 72-0043	LF	9mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	136.66	
		For Vinylster Resin, Add	79.20	
		For Epoxy Resin, Add	9.33	
		For Up To >10, Add	127.13	
		For >10 To 25, Add	87.09	
		For >25 To 50, Add	57.91	
		For >50 To 100, Add	28.95	
		For >500 To 1,000, Deduct	-7.42	
		For >1,000 To 2,000, Deduct	-11.43	
		For >2,000 To 5,000, Deduct	-19.46	
		For >5,000, Deduct	-32.04	
33 01 30 72-0044	LF	9mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	157.86	
		For Vinylster Resin, Add	92.66	
		For Epoxy Resin, Add	10.92	
		For Up To >10, Add	142.66	
		For >10 To 25, Add	96.82	
		For >25 To 50, Add	64.71	
		For >50 To 100, Add	32.35	
		For >500 To 1,000, Deduct	-8.53	
		For >1,000 To 2,000, Deduct	-13.11	
		For >2,000 To 5,000, Deduct	-22.26	
		For >5,000, Deduct	-36.67	
33 01 30 72-0045	LF	9mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	179.42	
		For Vinylster Resin, Add	106.13	
		For Epoxy Resin, Add	12.51	
		For Up To >10, Add	159.24	
		For >10 To 25, Add	107.43	
		For >25 To 50, Add	72.04	
		For >50 To 100, Add	36.02	
		For >500 To 1,000, Deduct	-9.67	
		For >1,000 To 2,000, Deduct	-14.85	
		For >2,000 To 5,000, Deduct	-25.15	
		For >5,000, Deduct	-41.45	

33 01 30 72-0046 10.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 01 30 72-0047	LF 10.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	129.94	
	For Vinylster Resin, Add	76.38	
	For Epoxy Resin, Add	9.00	
	For Up To >10, Add	117.05	
	For >10 To 25, Add	79.35	
	For >25 To 50, Add	53.07	
	For >50 To 100, Add	26.53	
	For >500 To 1,000, Deduct	-7.02	
	For >1,000 To 2,000, Deduct	-10.79	
	For >2,000 To 5,000, Deduct	-18.30	
	For >5,000, Deduct	-30.15	
33 01 30 72-0048	LF 10.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	155.07	
	For Vinylster Resin, Add	92.09	
	For Epoxy Resin, Add	10.85	
	For Up To >10, Add	136.34	
	For >10 To 25, Add	91.69	
	For >25 To 50, Add	61.59	
	For >50 To 100, Add	30.80	
	For >500 To 1,000, Deduct	-8.34	
	For >1,000 To 2,000, Deduct	-12.81	
	For >2,000 To 5,000, Deduct	-21.67	
	For >5,000, Deduct	-35.72	
33 01 30 72-0049	LF 10.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	179.49	
	For Vinylster Resin, Add	107.80	
	For Epoxy Resin, Add	12.71	
	For Up To >10, Add	153.47	
	For >10 To 25, Add	102.23	
	For >25 To 50, Add	69.04	
	For >50 To 100, Add	34.52	
	For >500 To 1,000, Deduct	-9.61	
	For >1,000 To 2,000, Deduct	-14.74	
	For >2,000 To 5,000, Deduct	-24.85	
	For >5,000, Deduct	-41.00	
33 01 30 72-0050	LF 10.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	204.25	
	For Vinylster Resin, Add	123.51	
	For Epoxy Resin, Add	14.56	
	For Up To >10, Add	171.65	
	For >10 To 25, Add	113.64	
	For >25 To 50, Add	77.00	
	For >50 To 100, Add	38.50	
	For >500 To 1,000, Deduct	-10.91	
	For >1,000 To 2,000, Deduct	-16.71	
	For >2,000 To 5,000, Deduct	-28.13	
	For >5,000, Deduct	-46.41	
33 01 30 72-0051	LF 10.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	229.51	
	For Vinylster Resin, Add	139.22	
	For Epoxy Resin, Add	16.41	
	For Up To >10, Add	191.33	
	For >10 To 25, Add	126.30	
	For >25 To 50, Add	85.72	
	For >50 To 100, Add	42.86	
	For >500 To 1,000, Deduct	-12.24	
	For >1,000 To 2,000, Deduct	-18.74	
	For >2,000 To 5,000, Deduct	-31.52	
	For >5,000, Deduct	-52.03	
33 01 30 72-0052	LF 10.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	255.38	
	For Vinylster Resin, Add	154.92	
	For Epoxy Resin, Add	18.26	
	For Up To >10, Add	212.84	
	For >10 To 25, Add	140.48	
	For >25 To 50, Add	95.35	
	For >50 To 100, Add	47.68	
	For >500 To 1,000, Deduct	-13.62	
	For >1,000 To 2,000, Deduct	-20.86	
	For >2,000 To 5,000, Deduct	-35.07	
	For >5,000, Deduct	-57.89	
33 01 30 72-0053	LF 10.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	304.54	
	For Vinylster Resin, Add	186.34	
	For Epoxy Resin, Add	21.96	
	For Up To >10, Add	248.12	
	For >10 To 25, Add	162.40	
	For >25 To 50, Add	110.75	
	For >50 To 100, Add	55.38	
	For >500 To 1,000, Deduct	-16.19	
	For >1,000 To 2,000, Deduct	-24.76	
	For >2,000 To 5,000, Deduct	-41.53	
	For >5,000, Deduct	-68.58	
<b>33 01 30 72-0054</b>	<b>12mm Thick Lining Cured In-Place Pipe</b> <small>(33 01 30 72-0015)</small>		
33 01 30 72-0055	LF 12mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	145.03	
	For Vinylster Resin, Add	86.94	
	For Epoxy Resin, Add	10.25	
	For Up To >10, Add	124.59	
	For >10 To 25, Add	83.13	
	For >25 To 50, Add	56.09	
	For >50 To 100, Add	28.04	
	For >500 To 1,000, Deduct	-7.77	
	For >1,000 To 2,000, Deduct	-11.92	
	For >2,000 To 5,000, Deduct	-20.11	
	For >5,000, Deduct	-33.17	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0056	LF		12mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	173.37	
			For Vinylster Resin, Add	104.90	
			For Epoxy Resin, Add	12.36	
			For Up To >10, Add	145.49	
			For >10 To 25, Add	96.26	
			For >25 To 50, Add	65.25	
			For >50 To 100, Add	32.63	
			For >500 To 1,000, Deduct	-9.26	
			For >1,000 To 2,000, Deduct	-14.18	
			For >2,000 To 5,000, Deduct	-23.86	
			For >5,000, Deduct	-39.38	
33 01 30 72-0057	LF		12mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	200.98	
			For Vinylster Resin, Add	122.84	
			For Epoxy Resin, Add	14.48	
			For Up To >10, Add	164.22	
			For >10 To 25, Add	107.60	
			For >25 To 50, Add	73.33	
			For >50 To 100, Add	36.67	
			For >500 To 1,000, Deduct	-10.69	
			For >1,000 To 2,000, Deduct	-16.35	
			For >2,000 To 5,000, Deduct	-27.43	
			For >5,000, Deduct	-45.29	
33 01 30 72-0058	LF		12mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	228.95	
			For Vinylster Resin, Add	140.80	
			For Epoxy Resin, Add	16.59	
			For Up To >10, Add	184.00	
			For >10 To 25, Add	119.81	
			For >25 To 50, Add	81.94	
			For >50 To 100, Add	40.97	
			For >500 To 1,000, Deduct	-12.14	
			For >1,000 To 2,000, Deduct	-18.56	
			For >2,000 To 5,000, Deduct	-31.09	
			For >5,000, Deduct	-51.35	
33 01 30 72-0059	LF		12mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	257.42	
			For Vinylster Resin, Add	158.75	
			For Epoxy Resin, Add	18.71	
			For Up To >10, Add	205.29	
			For >10 To 25, Add	133.27	
			For >25 To 50, Add	91.30	
			For >50 To 100, Add	45.65	
			For >500 To 1,000, Deduct	-13.64	
			For >1,000 To 2,000, Deduct	-20.84	
			For >2,000 To 5,000, Deduct	-34.87	
			For >5,000, Deduct	-57.61	
33 01 30 72-0060	LF		12mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	286.49	
			For Vinylster Resin, Add	176.70	
			For Epoxy Resin, Add	20.83	
			For Up To >10, Add	228.40	
			For >10 To 25, Add	148.26	
			For >25 To 50, Add	101.58	
			For >50 To 100, Add	50.79	
			For >500 To 1,000, Deduct	-15.18	
			For >1,000 To 2,000, Deduct	-23.19	
			For >2,000 To 5,000, Deduct	-38.81	
			For >5,000, Deduct	-64.11	
33 01 30 72-0061	LF		12mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	342.07	
			For Vinylster Resin, Add	212.61	
			For Epoxy Resin, Add	25.06	
			For Up To >10, Add	266.89	
			For >10 To 25, Add	171.78	
			For >25 To 50, Add	118.26	
			For >50 To 100, Add	59.13	
			For >500 To 1,000, Deduct	-18.06	
			For >1,000 To 2,000, Deduct	-27.57	
			For >2,000 To 5,000, Deduct	-46.03	
			For >5,000, Deduct	-76.08	
33 01 30 72-0062	LF		12mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	398.76	
			For Vinylster Resin, Add	248.51	
			For Epoxy Resin, Add	29.29	
			For Up To >10, Add	308.73	
			For >10 To 25, Add	198.11	
			For >25 To 50, Add	136.61	
			For >50 To 100, Add	68.31	
			For >500 To 1,000, Deduct	-21.03	
			For >1,000 To 2,000, Deduct	-32.09	
			For >2,000 To 5,000, Deduct	-53.54	
			For >5,000, Deduct	-88.50	
33 01 30 72-0063	LF		12mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	457.40	
			For Vinylster Resin, Add	284.42	
			For Epoxy Resin, Add	33.52	
			For Up To >10, Add	356.43	
			For >10 To 25, Add	229.30	
			For >25 To 50, Add	157.90	
			For >50 To 100, Add	78.95	
			For >500 To 1,000, Deduct	-24.15	
			For >1,000 To 2,000, Deduct	-36.86	
			For >2,000 To 5,000, Deduct	-61.53	
			For >5,000, Deduct	-101.70	

33 01 30 72-0064 13.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0065	LF		13.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	159.98	
			<i>For Vinylster Resin, Add</i>	97.41	
			<i>For Epoxy Resin, Add</i>	11.48	
			<i>For Up To &gt;10, Add</i>	132.07	
			<i>For &gt;10 To 25, Add</i>	86.86	
			<i>For &gt;25 To 50, Add</i>	59.08	
			<i>For &gt;50 To 100, Add</i>	29.54	
			<i>For &gt;500 To 1,000, Deduct</i>	-8.52	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-13.04	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-21.91	
			<i>For &gt;5,000, Deduct</i>	-36.16	
33 01 30 72-0066	LF		13.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	191.53	
			<i>For Vinylster Resin, Add</i>	117.61	
			<i>For Epoxy Resin, Add</i>	13.86	
			<i>For Up To &gt;10, Add</i>	154.57	
			<i>For &gt;10 To 25, Add</i>	100.80	
			<i>For &gt;25 To 50, Add</i>	68.88	
			<i>For &gt;50 To 100, Add</i>	34.44	
			<i>For &gt;500 To 1,000, Deduct</i>	-10.16	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-15.54	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-26.04	
			<i>For &gt;5,000, Deduct</i>	-43.01	
33 01 30 72-0067	LF		13.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	222.35	
			<i>For Vinylster Resin, Add</i>	137.80	
			<i>For Epoxy Resin, Add</i>	16.24	
			<i>For Up To &gt;10, Add</i>	174.90	
			<i>For &gt;10 To 25, Add</i>	112.94	
			<i>For &gt;25 To 50, Add</i>	77.61	
			<i>For &gt;50 To 100, Add</i>	38.80	
			<i>For &gt;500 To 1,000, Deduct</i>	-11.75	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-17.95	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-30.00	
			<i>For &gt;5,000, Deduct</i>	-49.57	
33 01 30 72-0068	LF		13.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	253.52	
			<i>For Vinylster Resin, Add</i>	158.00	
			<i>For Epoxy Resin, Add</i>	18.62	
			<i>For Up To &gt;10, Add</i>	196.29	
			<i>For &gt;10 To 25, Add</i>	125.95	
			<i>For &gt;25 To 50, Add</i>	86.86	
			<i>For &gt;50 To 100, Add</i>	43.43	
			<i>For &gt;500 To 1,000, Deduct</i>	-13.37	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-20.40	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-34.04	
			<i>For &gt;5,000, Deduct</i>	-56.27	
33 01 30 72-0069	LF		13.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	285.20	
			<i>For Vinylster Resin, Add</i>	178.20	
			<i>For Epoxy Resin, Add</i>	21.00	
			<i>For Up To &gt;10, Add</i>	219.18	
			<i>For &gt;10 To 25, Add</i>	140.22	
			<i>For &gt;25 To 50, Add</i>	96.86	
			<i>For &gt;50 To 100, Add</i>	48.43	
			<i>For &gt;500 To 1,000, Deduct</i>	-15.03	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-22.92	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-38.21	
			<i>For &gt;5,000, Deduct</i>	-63.17	
33 01 30 72-0070	LF		13.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	317.48	
			<i>For Vinylster Resin, Add</i>	198.39	
			<i>For Epoxy Resin, Add</i>	23.38	
			<i>For Up To &gt;10, Add</i>	243.89	
			<i>For &gt;10 To 25, Add</i>	156.01	
			<i>For &gt;25 To 50, Add</i>	107.77	
			<i>For &gt;50 To 100, Add</i>	53.89	
			<i>For &gt;500 To 1,000, Deduct</i>	-16.73	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-25.51	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-42.53	
			<i>For &gt;5,000, Deduct</i>	-70.31	
33 01 30 72-0071	LF		13.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	379.47	
			<i>For Vinylster Resin, Add</i>	238.79	
			<i>For Epoxy Resin, Add</i>	28.14	
			<i>For Up To &gt;10, Add</i>	285.59	
			<i>For &gt;10 To 25, Add</i>	181.13	
			<i>For &gt;25 To 50, Add</i>	125.74	
			<i>For &gt;50 To 100, Add</i>	62.87	
			<i>For &gt;500 To 1,000, Deduct</i>	-19.93	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-30.38	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-50.52	
			<i>For &gt;5,000, Deduct</i>	-83.56	
33 01 30 72-0072	LF		13.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	442.57	
			<i>For Vinylster Resin, Add</i>	279.18	
			<i>For Epoxy Resin, Add</i>	32.90	
			<i>For Up To &gt;10, Add</i>	330.64	
			<i>For &gt;10 To 25, Add</i>	209.06	
			<i>For &gt;25 To 50, Add</i>	145.38	
			<i>For &gt;50 To 100, Add</i>	72.69	
			<i>For &gt;500 To 1,000, Deduct</i>	-23.22	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-35.38	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-58.79	
			<i>For &gt;5,000, Deduct</i>	-97.26	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0073	LF		13.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	507.63	
			For Vinylster Resin, Add	319.58	
			For Epoxy Resin, Add	37.66	
			For Up To >10, Add	381.54	
			For >10 To 25, Add	241.86	
			For >25 To 50, Add	167.94	
			For >50 To 100, Add	83.97	
			For >500 To 1,000, Deduct	-26.66	
			For >1,000 To 2,000, Deduct	-40.63	
			For >2,000 To 5,000, Deduct	-67.56	
			For >5,000, Deduct	-111.74	
<b>33 01 30 72-0074</b>			<b>15mm Thick Lining Cured In-Place Pipe</b> <small>(33 01 30 72-0015)</small>		
33 01 30 72-0075	LF		15mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	174.81	
			For Vinylster Resin, Add	107.79	
			For Epoxy Resin, Add	12.70	
			For Up To >10, Add	139.48	
			For >10 To 25, Add	90.57	
			For >25 To 50, Add	62.04	
			For >50 To 100, Add	31.02	
			For >500 To 1,000, Deduct	-9.26	
			For >1,000 To 2,000, Deduct	-14.15	
			For >2,000 To 5,000, Deduct	-23.69	
			For >5,000, Deduct	-39.13	
33 01 30 72-0076	LF		15mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	209.56	
			For Vinylster Resin, Add	130.23	
			For Epoxy Resin, Add	15.35	
			For Up To >10, Add	163.58	
			For >10 To 25, Add	105.31	
			For >25 To 50, Add	72.49	
			For >50 To 100, Add	36.24	
			For >500 To 1,000, Deduct	-11.07	
			For >1,000 To 2,000, Deduct	-16.89	
			For >2,000 To 5,000, Deduct	-28.20	
			For >5,000, Deduct	-46.62	
33 01 30 72-0077	LF		15mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	243.59	
			For Vinylster Resin, Add	152.67	
			For Epoxy Resin, Add	17.99	
			For Up To >10, Add	185.52	
			For >10 To 25, Add	118.25	
			For >25 To 50, Add	81.86	
			For >50 To 100, Add	40.93	
			For >500 To 1,000, Deduct	-12.82	
			For >1,000 To 2,000, Deduct	-19.54	
			For >2,000 To 5,000, Deduct	-32.54	
			For >5,000, Deduct	-53.82	
33 01 30 72-0078	LF		15mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	277.97	
			For Vinylster Resin, Add	175.11	
			For Epoxy Resin, Add	20.64	
			For Up To >10, Add	208.51	
			For >10 To 25, Add	132.07	
			For >25 To 50, Add	91.75	
			For >50 To 100, Add	45.87	
			For >500 To 1,000, Deduct	-14.59	
			For >1,000 To 2,000, Deduct	-22.24	
			For >2,000 To 5,000, Deduct	-36.97	
			For >5,000, Deduct	-61.16	
33 01 30 72-0079	LF		15mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	312.85	
			For Vinylster Resin, Add	197.55	
			For Epoxy Resin, Add	23.28	
			For Up To >10, Add	233.00	
			For >10 To 25, Add	147.13	
			For >25 To 50, Add	102.39	
			For >50 To 100, Add	51.19	
			For >500 To 1,000, Deduct	-16.41	
			For >1,000 To 2,000, Deduct	-25.00	
			For >2,000 To 5,000, Deduct	-41.52	
			For >5,000, Deduct	-68.70	
33 01 30 72-0080	LF		15mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	348.34	
			For Vinylster Resin, Add	220.00	
			For Epoxy Resin, Add	25.93	
			For Up To >10, Add	259.32	
			For >10 To 25, Add	163.72	
			For >25 To 50, Add	113.95	
			For >50 To 100, Add	56.97	
			For >500 To 1,000, Deduct	-18.27	
			For >1,000 To 2,000, Deduct	-27.83	
			For >2,000 To 5,000, Deduct	-46.23	
			For >5,000, Deduct	-76.48	
33 01 30 72-0081	LF		15mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	416.74	
			For Vinylster Resin, Add	264.88	
			For Epoxy Resin, Add	31.22	
			For Up To >10, Add	304.22	
			For >10 To 25, Add	190.45	
			For >25 To 50, Add	133.19	
			For >50 To 100, Add	66.60	
			For >500 To 1,000, Deduct	-21.80	
			For >1,000 To 2,000, Deduct	-33.17	
			For >2,000 To 5,000, Deduct	-54.99	
			For >5,000, Deduct	-91.02	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01	30 72-0082	LF	15mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	486.26	
			For Vinylester Resin, Add	309.76	
			For Epoxy Resin, Add	36.51	
			For Up To >10, Add	352.48	
			For >10 To 25, Add	219.98	
			For >25 To 50, Add	154.11	
			For >50 To 100, Add	77.06	
			For >500 To 1,000, Deduct	-25.41	
			For >1,000 To 2,000, Deduct	-38.66	
			For >2,000 To 5,000, Deduct	-64.04	
			For >5,000, Deduct	-106.00	
33 01	30 72-0083	LF	15mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	557.72	
			For Vinylester Resin, Add	354.64	
			For Epoxy Resin, Add	41.80	
			For Up To >10, Add	406.59	
			For >10 To 25, Add	254.38	
			For >25 To 50, Add	177.96	
			For >50 To 100, Add	88.98	
			For >500 To 1,000, Deduct	-29.16	
			For >1,000 To 2,000, Deduct	-44.38	
			For >2,000 To 5,000, Deduct	-73.57	
			For >5,000, Deduct	-121.76	
<b>33 01</b>	<b>30 72-0084</b>		<b>16.5mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small></b>		
33 01	30 72-0085	LF	16.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	227.47	
			For Vinylester Resin, Add	142.77	
			For Epoxy Resin, Add	16.83	
			For Up To >10, Add	172.54	
			For >10 To 25, Add	109.79	
			For >25 To 50, Add	76.07	
			For >50 To 100, Add	38.04	
			For >500 To 1,000, Deduct	-11.96	
			For >1,000 To 2,000, Deduct	-18.24	
			For >2,000 To 5,000, Deduct	-30.35	
			For >5,000, Deduct	-50.20	
33 01	30 72-0086	LF	16.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	264.71	
			For Vinylester Resin, Add	167.45	
			For Epoxy Resin, Add	19.74	
			For Up To >10, Add	196.08	
			For >10 To 25, Add	123.53	
			For >25 To 50, Add	86.08	
			For >50 To 100, Add	43.04	
			For >500 To 1,000, Deduct	-13.87	
			For >1,000 To 2,000, Deduct	-21.13	
			For >2,000 To 5,000, Deduct	-35.08	
			For >5,000, Deduct	-58.04	
33 01	30 72-0087	LF	16.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	302.29	
			For Vinylester Resin, Add	192.14	
			For Epoxy Resin, Add	22.64	
			For Up To >10, Add	220.67	
			For >10 To 25, Add	138.15	
			For >25 To 50, Add	96.61	
			For >50 To 100, Add	48.31	
			For >500 To 1,000, Deduct	-15.81	
			For >1,000 To 2,000, Deduct	-24.06	
			For >2,000 To 5,000, Deduct	-39.89	
			For >5,000, Deduct	-66.02	
33 01	30 72-0088	LF	16.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	340.38	
			For Vinylester Resin, Add	216.83	
			For Epoxy Resin, Add	25.55	
			For Up To >10, Add	246.77	
			For >10 To 25, Add	154.01	
			For >25 To 50, Add	107.90	
			For >50 To 100, Add	53.95	
			For >500 To 1,000, Deduct	-17.78	
			For >1,000 To 2,000, Deduct	-27.06	
			For >2,000 To 5,000, Deduct	-44.83	
			For >5,000, Deduct	-74.20	
33 01	30 72-0089	LF	16.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	379.07	
			For Vinylester Resin, Add	241.51	
			For Epoxy Resin, Add	28.46	
			For Up To >10, Add	274.69	
			For >10 To 25, Add	171.40	
			For >25 To 50, Add	120.09	
			For >50 To 100, Add	60.05	
			For >500 To 1,000, Deduct	-19.81	
			For >1,000 To 2,000, Deduct	-30.13	
			For >2,000 To 5,000, Deduct	-49.92	
			For >5,000, Deduct	-82.63	
33 01	30 72-0090	LF	16.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	453.88	
			For Vinylester Resin, Add	290.88	
			For Epoxy Resin, Add	34.28	
			For Up To >10, Add	322.79	
			For >10 To 25, Add	199.74	
			For >25 To 50, Add	140.62	
			For >50 To 100, Add	70.31	
			For >500 To 1,000, Deduct	-23.65	
			For >1,000 To 2,000, Deduct	-35.96	
			For >2,000 To 5,000, Deduct	-59.45	
			For >5,000, Deduct	-98.44	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0091 LF 16.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	529.81	
For Vinylester Resin, Add	340.25	
For Epoxy Resin, Add	40.10	
For Up To >10, Add	374.26	
For >10 To 25, Add	230.87	
For >25 To 50, Add	162.82	
For >50 To 100, Add	81.41	
For >500 To 1,000, Deduct	-27.58	
For >1,000 To 2,000, Deduct	-41.92	
For >2,000 To 5,000, Deduct	-69.26	
For >5,000, Deduct	-114.71	
33 01 30 72-0092 LF 16.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	607.69	
For Vinylester Resin, Add	389.62	
For Epoxy Resin, Add	45.92	
For Up To >10, Add	431.57	
For >10 To 25, Add	266.88	
For >25 To 50, Add	187.96	
For >50 To 100, Add	93.98	
For >500 To 1,000, Deduct	-31.66	
For >1,000 To 2,000, Deduct	-48.13	
For >2,000 To 5,000, Deduct	-79.56	
For >5,000, Deduct	-131.76	
33 01 30 72-0093 LF 16.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	684.72	
For Vinylester Resin, Add	438.99	
For Epoxy Resin, Add	51.74	
For Up To >10, Add	486.34	
For >10 To 25, Add	300.76	
For >25 To 50, Add	211.81	
For >50 To 100, Add	105.91	
For >500 To 1,000, Deduct	-35.68	
For >1,000 To 2,000, Deduct	-54.23	
For >2,000 To 5,000, Deduct	-89.65	
For >5,000, Deduct	-148.46	
<b>33 01 30 72-0094 18mm Thick Lining Cured In-Place Pipe</b> <small>(33 01 30 72-0015)</small>		
33 01 30 72-0095 LF 18mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	245.87	
For Vinylester Resin, Add	155.22	
For Epoxy Resin, Add	18.29	
For Up To >10, Add	183.26	
For >10 To 25, Add	115.76	
For >25 To 50, Add	80.54	
For >50 To 100, Add	40.27	
For >500 To 1,000, Deduct	-12.90	
For >1,000 To 2,000, Deduct	-19.65	
For >2,000 To 5,000, Deduct	-32.64	
For >5,000, Deduct	-54.00	
33 01 30 72-0096 LF 18mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	286.43	
For Vinylester Resin, Add	182.15	
For Epoxy Resin, Add	21.47	
For Up To >10, Add	208.77	
For >10 To 25, Add	130.60	
For >25 To 50, Add	91.37	
For >50 To 100, Add	45.69	
For >500 To 1,000, Deduct	-14.98	
For >1,000 To 2,000, Deduct	-22.79	
For >2,000 To 5,000, Deduct	-37.78	
For >5,000, Deduct	-62.53	
33 01 30 72-0097 LF 18mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	327.22	
For Vinylester Resin, Add	209.08	
For Epoxy Resin, Add	24.64	
For Up To >10, Add	234.96	
For >10 To 25, Add	146.02	
For >25 To 50, Add	102.55	
For >50 To 100, Add	51.27	
For >500 To 1,000, Deduct	-17.07	
For >1,000 To 2,000, Deduct	-25.97	
For >2,000 To 5,000, Deduct	-42.98	
For >5,000, Deduct	-71.15	
33 01 30 72-0098 LF 18mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	368.63	
For Vinylester Resin, Add	236.01	
For Epoxy Resin, Add	27.81	
For Up To >10, Add	263.02	
For >10 To 25, Add	162.99	
For >25 To 50, Add	114.65	
For >50 To 100, Add	57.33	
For >500 To 1,000, Deduct	-19.22	
For >1,000 To 2,000, Deduct	-29.22	
For >2,000 To 5,000, Deduct	-48.33	
For >5,000, Deduct	-80.02	
33 01 30 72-0099 LF 18mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	410.54	
For Vinylester Resin, Add	262.93	
For Epoxy Resin, Add	30.99	
For Up To >10, Add	292.57	
For >10 To 25, Add	181.21	
For >25 To 50, Add	127.50	
For >50 To 100, Add	63.75	
For >500 To 1,000, Deduct	-21.40	
For >1,000 To 2,000, Deduct	-32.54	
For >2,000 To 5,000, Deduct	-53.80	
For >5,000, Deduct	-89.09	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

33 01 30 72-0100	LF	18mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	492.75	
		For Vinylster Resin, Add	316.79	
		For Epoxy Resin, Add	37.34	
		For Up To >10, Add	346.85	
		For >10 To 25, Add	213.62	
		For >25 To 50, Add	150.80	
		For >50 To 100, Add	75.40	
		For >500 To 1,000, Deduct	-25.64	
		For >1,000 To 2,000, Deduct	-38.97	
		For >2,000 To 5,000, Deduct	-64.35	
		For >5,000, Deduct	-106.59	
33 01 30 72-0101	LF	18mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	575.45	
		For Vinylster Resin, Add	370.66	
		For Epoxy Resin, Add	43.68	
		For Up To >10, Add	402.58	
		For >10 To 25, Add	247.23	
		For >25 To 50, Add	174.81	
		For >50 To 100, Add	87.41	
		For >500 To 1,000, Deduct	-29.92	
		For >1,000 To 2,000, Deduct	-45.46	
		For >2,000 To 5,000, Deduct	-75.03	
		For >5,000, Deduct	-124.28	
33 01 30 72-0102	LF	18mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	660.11	
		For Vinylster Resin, Add	424.52	
		For Epoxy Resin, Add	50.03	
		For Up To >10, Add	464.21	
		For >10 To 25, Add	285.76	
		For >25 To 50, Add	201.78	
		For >50 To 100, Add	100.89	
		For >500 To 1,000, Deduct	-34.35	
		For >1,000 To 2,000, Deduct	-52.19	
		For >2,000 To 5,000, Deduct	-86.19	
		For >5,000, Deduct	-142.75	
33 01 30 72-0103	LF	18mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	743.91	
		For Vinylster Resin, Add	478.37	
		For Epoxy Resin, Add	56.38	
		For Up To >10, Add	523.26	
		For >10 To 25, Add	322.15	
		For >25 To 50, Add	227.46	
		For >50 To 100, Add	113.73	
		For >500 To 1,000, Deduct	-38.71	
		For >1,000 To 2,000, Deduct	-58.82	
		For >2,000 To 5,000, Deduct	-97.14	
		For >5,000, Deduct	-160.89	
33 01 30 72-0104	LF	18mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	827.59	
		For Vinylster Resin, Add	532.23	
		For Epoxy Resin, Add	62.73	
		For Up To >10, Add	581.95	
		For >10 To 25, Add	358.23	
		For >25 To 50, Add	252.96	
		For >50 To 100, Add	126.48	
		For >500 To 1,000, Deduct	-43.06	
		For >1,000 To 2,000, Deduct	-65.43	
		For >2,000 To 5,000, Deduct	-108.05	
		For >5,000, Deduct	-178.97	
33 01 30 72-0105	LF	18mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	911.76	
		For Vinylster Resin, Add	586.09	
		For Epoxy Resin, Add	69.07	
		For Up To >10, Add	642.11	
		For >10 To 25, Add	395.54	
		For >25 To 50, Add	279.19	
		For >50 To 100, Add	139.59	
		For >500 To 1,000, Deduct	-47.45	
		For >1,000 To 2,000, Deduct	-72.11	
		For >2,000 To 5,000, Deduct	-119.09	
		For >5,000, Deduct	-197.25	
33 01 30 72-0106	LF	18mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	995.56	
		For Vinylster Resin, Add	639.95	
		For Epoxy Resin, Add	75.42	
		For Up To >10, Add	701.16	
		For >10 To 25, Add	431.93	
		For >25 To 50, Add	304.87	
		For >50 To 100, Add	152.43	
		For >500 To 1,000, Deduct	-51.81	
		For >1,000 To 2,000, Deduct	-78.73	
		For >2,000 To 5,000, Deduct	-130.04	
		For >5,000, Deduct	-215.38	
<b>33 01 30 72-0107</b>		<b>19.5mm Thick Lining Cured In-Place Pipe</b> <small>(33 01 30 72-0015)</small>		
33 01 30 72-0108	LF	19.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	264.51	
		For Vinylster Resin, Add	167.57	
		For Epoxy Resin, Add	19.75	
		For Up To >10, Add	195.06	
		For >10 To 25, Add	122.65	
		For >25 To 50, Add	85.56	
		For >50 To 100, Add	42.78	
		For >500 To 1,000, Deduct	-13.85	
		For >1,000 To 2,000, Deduct	-21.09	
		For >2,000 To 5,000, Deduct	-35.01	
		For >5,000, Deduct	-57.93	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0109	LF		19.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	308.27	
			For Vinylster Resin, Add	196.75	
			For Epoxy Resin, Add	23.19	
			For Up To >10, Add	222.14	
			For >10 To 25, Add	138.27	
			For >25 To 50, Add	97.01	
			For >50 To 100, Add	48.51	
			For >500 To 1,000, Deduct	-16.09	
			For >1,000 To 2,000, Deduct	-24.48	
			For >2,000 To 5,000, Deduct	-40.53	
			For >5,000, Deduct	-67.09	
33 01 30 72-0110	LF		19.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	352.40	
			For Vinylster Resin, Add	225.93	
			For Epoxy Resin, Add	26.63	
			For Up To >10, Add	250.33	
			For >10 To 25, Add	154.81	
			For >25 To 50, Add	109.03	
			For >50 To 100, Add	54.51	
			For >500 To 1,000, Deduct	-18.36	
			For >1,000 To 2,000, Deduct	-27.91	
			For >2,000 To 5,000, Deduct	-46.14	
			For >5,000, Deduct	-76.41	
33 01 30 72-0111	LF		19.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	396.77	
			For Vinylster Resin, Add	255.09	
			For Epoxy Resin, Add	30.06	
			For Up To >10, Add	279.26	
			For >10 To 25, Add	171.98	
			For >25 To 50, Add	121.41	
			For >50 To 100, Add	60.70	
			For >500 To 1,000, Deduct	-20.65	
			For >1,000 To 2,000, Deduct	-31.38	
			For >2,000 To 5,000, Deduct	-51.82	
			For >5,000, Deduct	-85.82	
33 01 30 72-0112	LF		19.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	442.12	
			For Vinylster Resin, Add	284.27	
			For Epoxy Resin, Add	33.50	
			For Up To >10, Add	311.11	
			For >10 To 25, Add	191.58	
			For >25 To 50, Add	135.25	
			For >50 To 100, Add	67.63	
			For >500 To 1,000, Deduct	-23.01	
			For >1,000 To 2,000, Deduct	-34.96	
			For >2,000 To 5,000, Deduct	-57.74	
			For >5,000, Deduct	-95.63	
33 01 30 72-0113	LF		19.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	531.85	
			For Vinylster Resin, Add	342.62	
			For Epoxy Resin, Add	40.38	
			For Up To >10, Add	371.90	
			For >10 To 25, Add	228.34	
			For >25 To 50, Add	161.48	
			For >50 To 100, Add	80.74	
			For >500 To 1,000, Deduct	-27.65	
			For >1,000 To 2,000, Deduct	-42.01	
			For >2,000 To 5,000, Deduct	-69.33	
			For >5,000, Deduct	-114.85	
33 01 30 72-0114	LF		19.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	621.94	
			For Vinylster Resin, Add	400.97	
			For Epoxy Resin, Add	47.26	
			For Up To >10, Add	433.80	
			For >10 To 25, Add	266.03	
			For >25 To 50, Add	188.26	
			For >50 To 100, Add	94.13	
			For >500 To 1,000, Deduct	-32.33	
			For >1,000 To 2,000, Deduct	-49.10	
			For >2,000 To 5,000, Deduct	-81.02	
			For >5,000, Deduct	-134.21	
33 01 30 72-0115	LF		19.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	712.89	
			For Vinylster Resin, Add	459.31	
			For Epoxy Resin, Add	54.13	
			For Up To >10, Add	498.27	
			For >10 To 25, Add	305.87	
			For >25 To 50, Add	216.33	
			For >50 To 100, Add	108.16	
			For >500 To 1,000, Deduct	-37.06	
			For >1,000 To 2,000, Deduct	-56.30	
			For >2,000 To 5,000, Deduct	-92.92	
			For >5,000, Deduct	-153.92	
33 01 30 72-0116	LF		19.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	803.47	
			For Vinylster Resin, Add	517.66	
			For Epoxy Resin, Add	61.01	
			For Up To >10, Add	561.61	
			For >10 To 25, Add	344.76	
			For >25 To 50, Add	243.83	
			For >50 To 100, Add	121.91	
			For >500 To 1,000, Deduct	-41.77	
			For >1,000 To 2,000, Deduct	-63.46	
			For >2,000 To 5,000, Deduct	-104.73	
			For >5,000, Deduct	-173.48	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 01 30 72-0117	LF	19.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	894.05	
		<i>For Vinylster Resin, Add</i>	576.01	
		<i>For Epoxy Resin, Add</i>	67.89	
		<i>For Up To &gt;10, Add</i>	624.98	
		<i>For &gt;10 To 25, Add</i>	383.67	
		<i>For &gt;25 To 50, Add</i>	271.34	
		<i>For &gt;50 To 100, Add</i>	135.67	
		<i>For &gt;500 To 1,000, Deduct</i>	-46.48	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-70.61	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-116.54	
		<i>For &gt;5,000, Deduct</i>	-193.05	
33 01 30 72-0118	LF	19.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	986.11	
		<i>For Vinylster Resin, Add</i>	634.35	
		<i>For Epoxy Resin, Add</i>	74.76	
		<i>For Up To &gt;10, Add</i>	692.78	
		<i>For &gt;10 To 25, Add</i>	426.28	
		<i>For &gt;25 To 50, Add</i>	301.08	
		<i>For &gt;50 To 100, Add</i>	150.54	
		<i>For &gt;500 To 1,000, Deduct</i>	-51.30	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-77.95	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-128.72	
		<i>For &gt;5,000, Deduct</i>	-213.20	
33 01 30 72-0119	LF	19.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,076.81	
		<i>For Vinylster Resin, Add</i>	692.70	
		<i>For Epoxy Resin, Add</i>	81.64	
		<i>For Up To &gt;10, Add</i>	756.51	
		<i>For &gt;10 To 25, Add</i>	465.49	
		<i>For &gt;25 To 50, Add</i>	328.77	
		<i>For &gt;50 To 100, Add</i>	164.39	
		<i>For &gt;500 To 1,000, Deduct</i>	-56.02	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-85.12	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-140.56	
		<i>For &gt;5,000, Deduct</i>	-232.81	
<b>33 01 30 72-0120</b>		<b>21mm Thick Lining Cured In-Place Pipe</b> <small>(33 01 30 72-0015)</small>		
33 01 30 72-0121	LF	21mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	282.89	
		<i>For Vinylster Resin, Add</i>	179.84	
		<i>For Epoxy Resin, Add</i>	21.20	
		<i>For Up To &gt;10, Add</i>	206.37	
		<i>For &gt;10 To 25, Add</i>	129.16	
		<i>For &gt;25 To 50, Add</i>	90.34	
		<i>For &gt;50 To 100, Add</i>	45.17	
		<i>For &gt;500 To 1,000, Deduct</i>	-14.79	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-22.52	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-37.32	
		<i>For &gt;5,000, Deduct</i>	-61.77	
33 01 30 72-0122	LF	21mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	329.99	
		<i>For Vinylster Resin, Add</i>	211.27	
		<i>For Epoxy Resin, Add</i>	24.90	
		<i>For Up To &gt;10, Add</i>	235.45	
		<i>For &gt;10 To 25, Add</i>	145.90	
		<i>For &gt;25 To 50, Add</i>	102.63	
		<i>For &gt;50 To 100, Add</i>	51.32	
		<i>For &gt;500 To 1,000, Deduct</i>	-17.20	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-26.16	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-43.26	
		<i>For &gt;5,000, Deduct</i>	-71.63	
33 01 30 72-0123	LF	21mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	377.45	
		<i>For Vinylster Resin, Add</i>	242.68	
		<i>For Epoxy Resin, Add</i>	28.60	
		<i>For Up To &gt;10, Add</i>	265.63	
		<i>For &gt;10 To 25, Add</i>	163.57	
		<i>For &gt;25 To 50, Add</i>	115.48	
		<i>For &gt;50 To 100, Add</i>	57.74	
		<i>For &gt;500 To 1,000, Deduct</i>	-19.64	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-29.85	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-49.29	
		<i>For &gt;5,000, Deduct</i>	-81.64	
33 01 30 72-0124	LF	21mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	424.78	
		<i>For Vinylster Resin, Add</i>	274.10	
		<i>For Epoxy Resin, Add</i>	32.30	
		<i>For Up To &gt;10, Add</i>	295.42	
		<i>For &gt;10 To 25, Add</i>	180.92	
		<i>For &gt;25 To 50, Add</i>	128.13	
		<i>For &gt;50 To 100, Add</i>	64.06	
		<i>For &gt;500 To 1,000, Deduct</i>	-22.07	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-33.52	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-55.29	
		<i>For &gt;5,000, Deduct</i>	-91.60	
33 01 30 72-0125	LF	21mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	473.46	
		<i>For Vinylster Resin, Add</i>	305.52	
		<i>For Epoxy Resin, Add</i>	36.01	
		<i>For Up To &gt;10, Add</i>	329.23	
		<i>For &gt;10 To 25, Add</i>	201.62	
		<i>For &gt;25 To 50, Add</i>	142.79	
		<i>For &gt;50 To 100, Add</i>	71.40	
		<i>For &gt;500 To 1,000, Deduct</i>	-24.60	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-37.36	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-61.63	
		<i>For &gt;5,000, Deduct</i>	-102.09	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0126	LF		21mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	570.82	
			For Vinylster Resin, Add	368.35	
			For Epoxy Resin, Add	43.41	
			For Up To >10, Add	396.91	
			For >10 To 25, Add	243.06	
			For >25 To 50, Add	172.14	
			For >50 To 100, Add	86.07	
			For >500 To 1,000, Deduct	-29.66	
			For >1,000 To 2,000, Deduct	-45.04	
			For >2,000 To 5,000, Deduct	-74.30	
			For >5,000, Deduct	-123.08	
33 01 30 72-0127	LF		21mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	668.18	
			For Vinylster Resin, Add	431.19	
			For Epoxy Resin, Add	50.82	
			For Up To >10, Add	464.57	
			For >10 To 25, Add	284.47	
			For >25 To 50, Add	201.48	
			For >50 To 100, Add	100.74	
			For >500 To 1,000, Deduct	-34.71	
			For >1,000 To 2,000, Deduct	-52.72	
			For >2,000 To 5,000, Deduct	-86.97	
			For >5,000, Deduct	-144.07	
33 01 30 72-0128	LF		21mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	765.54	
			For Vinylster Resin, Add	494.03	
			For Epoxy Resin, Add	58.22	
			For Up To >10, Add	532.25	
			For >10 To 25, Add	325.91	
			For >25 To 50, Add	230.84	
			For >50 To 100, Add	115.42	
			For >500 To 1,000, Deduct	-39.77	
			For >1,000 To 2,000, Deduct	-60.41	
			For >2,000 To 5,000, Deduct	-99.64	
			For >5,000, Deduct	-165.07	
33 01 30 72-0129	LF		21mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	862.91	
			For Vinylster Resin, Add	556.86	
			For Epoxy Resin, Add	65.63	
			For Up To >10, Add	599.93	
			For >10 To 25, Add	367.36	
			For >25 To 50, Add	260.19	
			For >50 To 100, Add	130.09	
			For >500 To 1,000, Deduct	-44.83	
			For >1,000 To 2,000, Deduct	-68.09	
			For >2,000 To 5,000, Deduct	-112.31	
			For >5,000, Deduct	-186.06	
33 01 30 72-0130	LF		21mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	960.26	
			For Vinylster Resin, Add	619.70	
			For Epoxy Resin, Add	73.04	
			For Up To >10, Add	667.58	
			For >10 To 25, Add	408.77	
			For >25 To 50, Add	289.53	
			For >50 To 100, Add	144.76	
			For >500 To 1,000, Deduct	-49.89	
			For >1,000 To 2,000, Deduct	-75.77	
			For >2,000 To 5,000, Deduct	-124.98	
			For >5,000, Deduct	-207.05	
33 01 30 72-0131	LF		21mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,060.32	
			For Vinylster Resin, Add	682.54	
			For Epoxy Resin, Add	80.44	
			For Up To >10, Add	743.34	
			For >10 To 25, Add	456.94	
			For >25 To 50, Add	322.92	
			For >50 To 100, Add	161.46	
			For >500 To 1,000, Deduct	-55.15	
			For >1,000 To 2,000, Deduct	-83.79	
			For >2,000 To 5,000, Deduct	-138.32	
			For >5,000, Deduct	-229.12	
33 01 30 72-0132	LF		21mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,157.93	
			For Vinylster Resin, Add	745.37	
			For Epoxy Resin, Add	87.85	
			For Up To >10, Add	811.74	
			For >10 To 25, Add	498.98	
			For >25 To 50, Add	352.63	
			For >50 To 100, Add	176.31	
			For >500 To 1,000, Deduct	-60.22	
			For >1,000 To 2,000, Deduct	-91.50	
			For >2,000 To 5,000, Deduct	-151.06	
			For >5,000, Deduct	-250.21	
<b>33 01 30 72-0133</b>			<b>22.5mm Thick Lining Cured In-Place Pipe</b> <small>(33 01 30 72-0015)</small>		
33 01 30 72-0134	LF		22.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	301.04	
			For Vinylster Resin, Add	192.03	
			For Epoxy Resin, Add	22.63	
			For Up To >10, Add	217.30	
			For >10 To 25, Add	135.36	
			For >25 To 50, Add	94.93	
			For >50 To 100, Add	47.47	
			For >500 To 1,000, Deduct	-15.72	
			For >1,000 To 2,000, Deduct	-23.91	
			For >2,000 To 5,000, Deduct	-39.60	
			For >5,000, Deduct	-65.55	

## 33 Utilities

## 33 01 Operation and Maintenance of Utilities

## 33 01 30 Operation and Maintenance of Sewer Utilities

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01	30 72-0135	LF	22.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	351.33	
			<i>For Vinylster Resin, Add</i>	225.69	
			<i>For Epoxy Resin, Add</i>	26.60	
			<i>For Up To &gt;10, Add</i>	247.94	
			<i>For &gt;10 To 25, Add</i>	152.88	
			<i>For &gt;25 To 50, Add</i>	107.85	
			<i>For &gt;50 To 100, Add</i>	53.92	
			<i>For &gt;500 To 1,000, Deduct</i>	-18.29	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-27.80	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-45.92	
			<i>For &gt;5,000, Deduct</i>	-76.05	
33 01	30 72-0136	LF	22.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	402.36	
			<i>For Vinylster Resin, Add</i>	259.36	
			<i>For Epoxy Resin, Add</i>	30.57	
			<i>For Up To &gt;10, Add</i>	280.81	
			<i>For &gt;10 To 25, Add</i>	172.25	
			<i>For &gt;25 To 50, Add</i>	121.88	
			<i>For &gt;50 To 100, Add</i>	60.94	
			<i>For &gt;500 To 1,000, Deduct</i>	-20.91	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-31.77	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-52.42	
			<i>For &gt;5,000, Deduct</i>	-86.84	
33 01	30 72-0137	LF	22.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	453.77	
			<i>For Vinylster Resin, Add</i>	293.02	
			<i>For Epoxy Resin, Add</i>	34.53	
			<i>For Up To &gt;10, Add</i>	314.81	
			<i>For &gt;10 To 25, Add</i>	192.58	
			<i>For &gt;25 To 50, Add</i>	136.48	
			<i>For &gt;50 To 100, Add</i>	68.24	
			<i>For &gt;500 To 1,000, Deduct</i>	-23.57	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-35.79	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-59.02	
			<i>For &gt;5,000, Deduct</i>	-97.79	
33 01	30 72-0138	LF	22.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	505.88	
			<i>For Vinylster Resin, Add</i>	326.68	
			<i>For Epoxy Resin, Add</i>	38.50	
			<i>For Up To &gt;10, Add</i>	350.94	
			<i>For &gt;10 To 25, Add</i>	214.67	
			<i>For &gt;25 To 50, Add</i>	152.14	
			<i>For &gt;50 To 100, Add</i>	76.07	
			<i>For &gt;500 To 1,000, Deduct</i>	-26.27	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-39.90	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-65.80	
			<i>For &gt;5,000, Deduct</i>	-109.02	
33 01	30 72-0139	LF	22.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	610.15	
			<i>For Vinylster Resin, Add</i>	394.00	
			<i>For Epoxy Resin, Add</i>	46.44	
			<i>For Up To &gt;10, Add</i>	423.30	
			<i>For &gt;10 To 25, Add</i>	258.94	
			<i>For &gt;25 To 50, Add</i>	183.51	
			<i>For &gt;50 To 100, Add</i>	91.75	
			<i>For &gt;500 To 1,000, Deduct</i>	-31.69	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-48.13	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-79.37	
			<i>For &gt;5,000, Deduct</i>	-131.49	
33 01	30 72-0140	LF	22.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	714.42	
			<i>For Vinylster Resin, Add</i>	461.33	
			<i>For Epoxy Resin, Add</i>	54.37	
			<i>For Up To &gt;10, Add</i>	495.66	
			<i>For &gt;10 To 25, Add</i>	303.21	
			<i>For &gt;25 To 50, Add</i>	214.88	
			<i>For &gt;50 To 100, Add</i>	107.44	
			<i>For &gt;500 To 1,000, Deduct</i>	-37.11	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-56.35	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-92.93	
			<i>For &gt;5,000, Deduct</i>	-153.96	
33 01	30 72-0141	LF	22.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	818.68	
			<i>For Vinylster Resin, Add</i>	528.65	
			<i>For Epoxy Resin, Add</i>	62.31	
			<i>For Up To &gt;10, Add</i>	567.99	
			<i>For &gt;10 To 25, Add</i>	347.46	
			<i>For &gt;25 To 50, Add</i>	246.23	
			<i>For &gt;50 To 100, Add</i>	123.12	
			<i>For &gt;500 To 1,000, Deduct</i>	-42.52	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-64.57	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-106.49	
			<i>For &gt;5,000, Deduct</i>	-176.43	
33 01	30 72-0142	LF	22.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	922.94	
			<i>For Vinylster Resin, Add</i>	595.97	
			<i>For Epoxy Resin, Add</i>	70.24	
			<i>For Up To &gt;10, Add</i>	640.35	
			<i>For &gt;10 To 25, Add</i>	391.72	
			<i>For &gt;25 To 50, Add</i>	277.60	
			<i>For &gt;50 To 100, Add</i>	138.80	
			<i>For &gt;500 To 1,000, Deduct</i>	-47.94	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-72.80	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-120.05	
			<i>For &gt;5,000, Deduct</i>	-198.90	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0143 LF 22.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,027.21	
<i>For Vinyl ester Resin, Add</i>	663.30	
<i>For Epoxy Resin, Add</i>	78.17	
<i>For Up To &gt;10, Add</i>	712.71	
<i>For &gt;10 To 25, Add</i>	435.99	
<i>For &gt;25 To 50, Add</i>	308.97	
<i>For &gt;50 To 100, Add</i>	154.49	
<i>For &gt;500 To 1,000, Deduct</i>	-53.35	
<i>For &gt;1,000 To 2,000, Deduct</i>	-81.02	
<i>For &gt;2,000 To 5,000, Deduct</i>	-133.62	
<i>For &gt;5,000, Deduct</i>	-221.37	
33 01 30 72-0144 LF 22.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,134.29	
<i>For Vinyl ester Resin, Add</i>	730.63	
<i>For Epoxy Resin, Add</i>	86.11	
<i>For Up To &gt;10, Add</i>	793.50	
<i>For &gt;10 To 25, Add</i>	487.29	
<i>For &gt;25 To 50, Add</i>	344.56	
<i>For &gt;50 To 100, Add</i>	172.28	
<i>For &gt;500 To 1,000, Deduct</i>	-58.98	
<i>For &gt;1,000 To 2,000, Deduct</i>	-89.60	
<i>For &gt;2,000 To 5,000, Deduct</i>	-147.89	
<i>For &gt;5,000, Deduct</i>	-244.97	
33 01 30 72-0145 LF 22.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,238.80	
<i>For Vinyl ester Resin, Add</i>	797.95	
<i>For Epoxy Resin, Add</i>	94.04	
<i>For Up To &gt;10, Add</i>	866.58	
<i>For &gt;10 To 25, Add</i>	532.16	
<i>For &gt;25 To 50, Add</i>	376.29	
<i>For &gt;50 To 100, Add</i>	188.15	
<i>For &gt;500 To 1,000, Deduct</i>	-64.41	
<i>For &gt;1,000 To 2,000, Deduct</i>	-97.85	
<i>For &gt;2,000 To 5,000, Deduct</i>	-161.51	
<i>For &gt;5,000, Deduct</i>	-267.53	
<b>33 01 30 72-0146 24mm Thick Lining Cured In-Place Pipe</b> <small>(33 01 30 72-0015)</small>		
33 01 30 72-0147 LF 24mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	318.93	
<i>For Vinyl ester Resin, Add</i>	204.13	
<i>For Epoxy Resin, Add</i>	24.06	
<i>For Up To &gt;10, Add</i>	227.77	
<i>For &gt;10 To 25, Add</i>	141.20	
<i>For &gt;25 To 50, Add</i>	99.30	
<i>For &gt;50 To 100, Add</i>	49.65	
<i>For &gt;500 To 1,000, Deduct</i>	-16.63	
<i>For &gt;1,000 To 2,000, Deduct</i>	-25.29	
<i>For &gt;2,000 To 5,000, Deduct</i>	-41.82	
<i>For &gt;5,000, Deduct</i>	-69.25	
33 01 30 72-0148 LF 24mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	372.44	
<i>For Vinyl ester Resin, Add</i>	240.04	
<i>For Epoxy Resin, Add</i>	28.29	
<i>For Up To &gt;10, Add</i>	260.05	
<i>For &gt;10 To 25, Add</i>	159.55	
<i>For &gt;25 To 50, Add</i>	112.88	
<i>For &gt;50 To 100, Add</i>	56.44	
<i>For &gt;500 To 1,000, Deduct</i>	-19.36	
<i>For &gt;1,000 To 2,000, Deduct</i>	-29.41	
<i>For &gt;2,000 To 5,000, Deduct</i>	-48.53	
<i>For &gt;5,000, Deduct</i>	-80.39	
33 01 30 72-0149 LF 24mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	427.04	
<i>For Vinyl ester Resin, Add</i>	275.94	
<i>For Epoxy Resin, Add</i>	32.52	
<i>For Up To &gt;10, Add</i>	295.62	
<i>For &gt;10 To 25, Add</i>	180.65	
<i>For &gt;25 To 50, Add</i>	128.10	
<i>For &gt;50 To 100, Add</i>	64.05	
<i>For &gt;500 To 1,000, Deduct</i>	-22.17	
<i>For &gt;1,000 To 2,000, Deduct</i>	-33.67	
<i>For &gt;2,000 To 5,000, Deduct</i>	-55.51	
<i>For &gt;5,000, Deduct</i>	-91.98	
33 01 30 72-0150 LF 24mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	482.61	
<i>For Vinyl ester Resin, Add</i>	311.84	
<i>For Epoxy Resin, Add</i>	36.75	
<i>For Up To &gt;10, Add</i>	334.11	
<i>For &gt;10 To 25, Add</i>	204.17	
<i>For &gt;25 To 50, Add</i>	144.78	
<i>For &gt;50 To 100, Add</i>	72.39	
<i>For &gt;500 To 1,000, Deduct</i>	-25.06	
<i>For &gt;1,000 To 2,000, Deduct</i>	-38.05	
<i>For &gt;2,000 To 5,000, Deduct</i>	-62.74	
<i>For &gt;5,000, Deduct</i>	-103.95	
33 01 30 72-0151 LF 24mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	538.20	
<i>For Vinyl ester Resin, Add</i>	347.75	
<i>For Epoxy Resin, Add</i>	40.99	
<i>For Up To &gt;10, Add</i>	372.63	
<i>For &gt;10 To 25, Add</i>	227.72	
<i>For &gt;25 To 50, Add</i>	161.47	
<i>For &gt;50 To 100, Add</i>	80.74	
<i>For &gt;500 To 1,000, Deduct</i>	-27.95	
<i>For &gt;1,000 To 2,000, Deduct</i>	-42.44	
<i>For &gt;2,000 To 5,000, Deduct</i>	-69.97	
<i>For &gt;5,000, Deduct</i>	-115.92	

33 Utilities

33 01 Operation and Maintenance of Utilities

33 01 30 Operation and Maintenance of Sewer Utilities



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
33 01 30 72-0152	LF 24mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	649.37	
	For Vinlyester Resin, Add	419.57	
	For Epoxy Resin, Add	49.45	
	For Up To >10, Add	449.66	
	For >10 To 25, Add	274.82	
	For >25 To 50, Add	194.86	
	For >50 To 100, Add	97.43	
	For >500 To 1,000, Deduct	-33.72	
	For >1,000 To 2,000, Deduct	-51.20	
	For >2,000 To 5,000, Deduct	-84.42	
	For >5,000, Deduct	-139.87	
33 01 30 72-0153	LF 24mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	788.90	
	For Vinlyester Resin, Add	511.32	
	For Epoxy Resin, Add	60.26	
	For Up To >10, Add	540.55	
	For >10 To 25, Add	328.72	
	For >25 To 50, Add	233.75	
	For >50 To 100, Add	116.88	
	For >500 To 1,000, Deduct	-40.91	
	For >1,000 To 2,000, Deduct	-62.09	
	For >2,000 To 5,000, Deduct	-102.27	
	For >5,000, Deduct	-169.47	
33 01 30 72-0154	LF 24mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	871.58	
	For Vinlyester Resin, Add	563.19	
	For Epoxy Resin, Add	66.38	
	For Up To >10, Add	603.34	
	For >10 To 25, Add	368.69	
	For >25 To 50, Add	261.44	
	For >50 To 100, Add	130.72	
	For >500 To 1,000, Deduct	-45.25	
	For >1,000 To 2,000, Deduct	-68.72	
	For >2,000 To 5,000, Deduct	-113.30	
	For >5,000, Deduct	-187.72	
33 01 30 72-0155	LF 24mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	982.74	
	For Vinlyester Resin, Add	635.01	
	For Epoxy Resin, Add	74.84	
	For Up To >10, Add	680.35	
	For >10 To 25, Add	415.76	
	For >25 To 50, Add	294.82	
	For >50 To 100, Add	147.41	
	For >500 To 1,000, Deduct	-51.03	
	For >1,000 To 2,000, Deduct	-77.49	
	For >2,000 To 5,000, Deduct	-127.76	
	For >5,000, Deduct	-211.67	
33 01 30 72-0156	LF 24mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,093.90	
	For Vinlyester Resin, Add	706.81	
	For Epoxy Resin, Add	83.30	
	For Up To >10, Add	757.38	
	For >10 To 25, Add	462.86	
	For >25 To 50, Add	328.20	
	For >50 To 100, Add	164.10	
	For >500 To 1,000, Deduct	-56.80	
	For >1,000 To 2,000, Deduct	-86.25	
	For >2,000 To 5,000, Deduct	-142.21	
	For >5,000, Deduct	-235.61	
33 01 30 72-0157	LF 24mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,208.00	
	For Vinlyester Resin, Add	778.62	
	For Epoxy Resin, Add	91.77	
	For Up To >10, Add	843.20	
	For >10 To 25, Add	517.28	
	For >25 To 50, Add	365.98	
	For >50 To 100, Add	182.99	
	For >500 To 1,000, Deduct	-62.79	
	For >1,000 To 2,000, Deduct	-95.38	
	For >2,000 To 5,000, Deduct	-157.40	
	For >5,000, Deduct	-260.74	
33 01 30 72-0158	LF 24mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,319.42	
	For Vinlyester Resin, Add	850.44	
	For Epoxy Resin, Add	100.23	
	For Up To >10, Add	920.99	
	For >10 To 25, Add	565.00	
	For >25 To 50, Add	399.75	
	For >50 To 100, Add	199.87	
	For >500 To 1,000, Deduct	-68.58	
	For >1,000 To 2,000, Deduct	-104.18	
	For >2,000 To 5,000, Deduct	-171.92	
	For >5,000, Deduct	-284.79	
33 01 30 72-0159	LF 24mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,430.83	
	For Vinlyester Resin, Add	922.25	
	For Epoxy Resin, Add	108.69	
	For Up To >10, Add	998.74	
	For >10 To 25, Add	612.70	
	For >25 To 50, Add	433.50	
	For >50 To 100, Add	216.75	
	For >500 To 1,000, Deduct	-74.37	
	For >1,000 To 2,000, Deduct	-112.98	
	For >2,000 To 5,000, Deduct	-186.43	
	For >5,000, Deduct	-308.83	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0160	LF		24mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,542.25	
			For Vinyl Ester Resin, Add	994.06	
			For Epoxy Resin, Add	117.16	
			For Up To >10, Add	1,076.53	
			For >10 To 25, Add	660.42	
			For >25 To 50, Add	467.26	
			For >50 To 100, Add	233.63	
			For >500 To 1,000, Deduct	-80.17	
			For >1,000 To 2,000, Deduct	-121.78	
			For >2,000 To 5,000, Deduct	-200.95	
			For >5,000, Deduct	-332.88	
<b>33 01 30 72-0161</b>			<b>25.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)</b>		
33 01 30 72-0162	LF		25.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	393.77	
			For Vinyl Ester Resin, Add	254.28	
			For Epoxy Resin, Add	29.97	
			For Up To >10, Add	273.16	
			For >10 To 25, Add	167.09	
			For >25 To 50, Add	118.42	
			For >50 To 100, Add	59.21	
			For >500 To 1,000, Deduct	-20.45	
			For >1,000 To 2,000, Deduct	-31.06	
			For >2,000 To 5,000, Deduct	-51.22	
			For >5,000, Deduct	-84.86	
33 01 30 72-0163	LF		25.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	452.31	
			For Vinyl Ester Resin, Add	292.43	
			For Epoxy Resin, Add	34.47	
			For Up To >10, Add	312.53	
			For >10 To 25, Add	190.82	
			For >25 To 50, Add	135.38	
			For >50 To 100, Add	67.69	
			For >500 To 1,000, Deduct	-23.48	
			For >1,000 To 2,000, Deduct	-35.65	
			For >2,000 To 5,000, Deduct	-58.77	
			For >5,000, Deduct	-97.37	
33 01 30 72-0164	LF		25.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	511.35	
			For Vinyl Ester Resin, Add	330.59	
			For Epoxy Resin, Add	38.96	
			For Up To >10, Add	353.38	
			For >10 To 25, Add	215.77	
			For >25 To 50, Add	153.07	
			For >50 To 100, Add	76.54	
			For >500 To 1,000, Deduct	-26.54	
			For >1,000 To 2,000, Deduct	-40.31	
			For >2,000 To 5,000, Deduct	-66.44	
			For >5,000, Deduct	-110.09	
33 01 30 72-0165	LF		25.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	570.26	
			For Vinyl Ester Resin, Add	368.74	
			For Epoxy Resin, Add	43.46	
			For Up To >10, Add	393.86	
			For >10 To 25, Add	240.42	
			For >25 To 50, Add	170.59	
			For >50 To 100, Add	85.29	
			For >500 To 1,000, Deduct	-29.60	
			For >1,000 To 2,000, Deduct	-44.94	
			For >2,000 To 5,000, Deduct	-74.08	
			For >5,000, Deduct	-122.75	
33 01 30 72-0166	LF		25.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	688.32	
			For Vinyl Ester Resin, Add	445.03	
			For Epoxy Resin, Add	52.45	
			For Up To >10, Add	475.56	
			For >10 To 25, Add	290.34	
			For >25 To 50, Add	205.99	
			For >50 To 100, Add	103.00	
			For >500 To 1,000, Deduct	-35.73	
			For >1,000 To 2,000, Deduct	-54.25	
			For >2,000 To 5,000, Deduct	-89.43	
			For >5,000, Deduct	-148.18	
33 01 30 72-0167	LF		25.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	806.27	
			For Vinyl Ester Resin, Add	521.34	
			For Epoxy Resin, Add	61.44	
			For Up To >10, Add	556.89	
			For >10 To 25, Add	339.94	
			For >25 To 50, Add	241.20	
			For >50 To 100, Add	120.60	
			For >500 To 1,000, Deduct	-41.85	
			For >1,000 To 2,000, Deduct	-63.55	
			For >2,000 To 5,000, Deduct	-104.75	
			For >5,000, Deduct	-173.55	
33 01 30 72-0168	LF		25.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	924.34	
			For Vinyl Ester Resin, Add	597.64	
			For Epoxy Resin, Add	70.44	
			For Up To >10, Add	638.60	
			For >10 To 25, Add	389.87	
			For >25 To 50, Add	276.61	
			For >50 To 100, Add	138.30	
			For >500 To 1,000, Deduct	-47.98	
			For >1,000 To 2,000, Deduct	-72.85	
			For >2,000 To 5,000, Deduct	-120.09	
			For >5,000, Deduct	-198.98	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 01 30 72-0169	LF 25.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,042.29	
	For Vinylester Resin, Add	673.94	
	For Epoxy Resin, Add	79.43	
	For Up To >10, Add	719.95	
	For >10 To 25, Add	439.49	
	For >25 To 50, Add	311.83	
	For >50 To 100, Add	155.92	
	For >500 To 1,000, Deduct	-54.10	
	For >1,000 To 2,000, Deduct	-82.15	
	For >2,000 To 5,000, Deduct	-135.41	
	For >5,000, Deduct	-224.36	
33 01 30 72-0170	LF 25.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,160.35	
	For Vinylester Resin, Add	750.24	
	For Epoxy Resin, Add	88.42	
	For Up To >10, Add	801.63	
	For >10 To 25, Add	489.39	
	For >25 To 50, Add	347.22	
	For >50 To 100, Add	173.61	
	For >500 To 1,000, Deduct	-60.23	
	For >1,000 To 2,000, Deduct	-91.46	
	For >2,000 To 5,000, Deduct	-150.76	
	For >5,000, Deduct	-249.79	
33 01 30 72-0171	LF 25.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,282.34	
	For Vinylester Resin, Add	826.54	
	For Epoxy Resin, Add	97.41	
	For Up To >10, Add	895.10	
	For >10 To 25, Add	549.12	
	For >25 To 50, Add	388.51	
	For >50 To 100, Add	194.25	
	For >500 To 1,000, Deduct	-66.66	
	For >1,000 To 2,000, Deduct	-101.25	
	For >2,000 To 5,000, Deduct	-167.08	
	For >5,000, Deduct	-276.78	
33 01 30 72-0172	LF 25.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,400.77	
	For Vinylester Resin, Add	902.84	
	For Epoxy Resin, Add	106.41	
	For Up To >10, Add	977.89	
	For >10 To 25, Add	599.94	
	For >25 To 50, Add	424.45	
	For >50 To 100, Add	212.23	
	For >500 To 1,000, Deduct	-72.81	
	For >1,000 To 2,000, Deduct	-110.61	
	For >2,000 To 5,000, Deduct	-182.52	
	For >5,000, Deduct	-302.35	
33 01 30 72-0173	LF 25.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,519.08	
	For Vinylester Resin, Add	979.14	
	For Epoxy Resin, Add	115.40	
	For Up To >10, Add	1,060.32	
	For >10 To 25, Add	650.47	
	For >25 To 50, Add	460.22	
	For >50 To 100, Add	230.11	
	For >500 To 1,000, Deduct	-78.96	
	For >1,000 To 2,000, Deduct	-119.95	
	For >2,000 To 5,000, Deduct	-197.93	
	For >5,000, Deduct	-327.88	
33 01 30 72-0174	LF 25.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,637.51	
	For Vinylester Resin, Add	1,055.44	
	For Epoxy Resin, Add	124.39	
	For Up To >10, Add	1,143.11	
	For >10 To 25, Add	701.29	
	For >25 To 50, Add	496.16	
	For >50 To 100, Add	248.08	
	For >500 To 1,000, Deduct	-85.12	
	For >1,000 To 2,000, Deduct	-129.30	
	For >2,000 To 5,000, Deduct	-213.37	
	For >5,000, Deduct	-353.45	

**33 01 30 72-0175 27mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)**

33 01 30 72-0176	LF 27mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	414.86	
	For Vinylester Resin, Add	268.45	
	For Epoxy Resin, Add	31.64	
	For Up To >10, Add	285.83	
	For >10 To 25, Add	174.28	
	For >25 To 50, Add	123.74	
	For >50 To 100, Add	61.87	
	For >500 To 1,000, Deduct	-21.53	
	For >1,000 To 2,000, Deduct	-32.68	
	For >2,000 To 5,000, Deduct	-53.86	
	For >5,000, Deduct	-89.24	
33 01 30 72-0177	LF 27mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	477.34	
	For Vinylester Resin, Add	308.84	
	For Epoxy Resin, Add	36.40	
	For Up To >10, Add	329.02	
	For >10 To 25, Add	200.65	
	For >25 To 50, Add	142.45	
	For >50 To 100, Add	71.23	
	For >500 To 1,000, Deduct	-24.77	
	For >1,000 To 2,000, Deduct	-37.61	
	For >2,000 To 5,000, Deduct	-61.98	
	For >5,000, Deduct	-102.70	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0178	LF	27mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	539.83	
		For Vinylster Resin, Add	349.24	
		For Epoxy Resin, Add	41.16	
		For Up To >10, Add	372.22	
		For >10 To 25, Add	227.03	
		For >25 To 50, Add	161.16	
		For >50 To 100, Add	80.58	
		For >500 To 1,000, Deduct	-28.01	
		For >1,000 To 2,000, Deduct	-42.53	
		For >2,000 To 5,000, Deduct	-70.10	
		For >5,000, Deduct	-116.15	
33 01 30 72-0179	LF	27mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	602.20	
		For Vinylster Resin, Add	389.63	
		For Epoxy Resin, Add	45.92	
		For Up To >10, Add	415.05	
		For >10 To 25, Add	253.11	
		For >25 To 50, Add	179.69	
		For >50 To 100, Add	89.85	
		For >500 To 1,000, Deduct	-31.25	
		For >1,000 To 2,000, Deduct	-47.44	
		For >2,000 To 5,000, Deduct	-78.19	
		For >5,000, Deduct	-129.56	
33 01 30 72-0180	LF	27mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	727.04	
		For Vinylster Resin, Add	470.42	
		For Epoxy Resin, Add	55.44	
		For Up To >10, Add	501.05	
		For >10 To 25, Add	305.53	
		For >25 To 50, Add	216.92	
		For >50 To 100, Add	108.46	
		For >500 To 1,000, Deduct	-37.73	
		For >1,000 To 2,000, Deduct	-57.28	
		For >2,000 To 5,000, Deduct	-94.40	
		For >5,000, Deduct	-156.41	
33 01 30 72-0181	LF	27mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	852.01	
		For Vinylster Resin, Add	551.21	
		For Epoxy Resin, Add	64.96	
		For Up To >10, Add	587.43	
		For >10 To 25, Add	358.29	
		For >25 To 50, Add	254.34	
		For >50 To 100, Add	127.17	
		For >500 To 1,000, Deduct	-44.21	
		For >1,000 To 2,000, Deduct	-67.13	
		For >2,000 To 5,000, Deduct	-110.64	
		For >5,000, Deduct	-183.32	
33 01 30 72-0182	LF	27mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	976.85	
		For Vinylster Resin, Add	632.00	
		For Epoxy Resin, Add	74.49	
		For Up To >10, Add	673.43	
		For >10 To 25, Add	410.71	
		For >25 To 50, Add	291.57	
		For >50 To 100, Add	145.79	
		For >500 To 1,000, Deduct	-50.69	
		For >1,000 To 2,000, Deduct	-76.96	
		For >2,000 To 5,000, Deduct	-126.84	
		For >5,000, Deduct	-210.17	
33 01 30 72-0183	LF	27mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,101.70	
		For Vinylster Resin, Add	712.79	
		For Epoxy Resin, Add	84.01	
		For Up To >10, Add	759.43	
		For >10 To 25, Add	463.14	
		For >25 To 50, Add	328.80	
		For >50 To 100, Add	164.40	
		For >500 To 1,000, Deduct	-57.17	
		For >1,000 To 2,000, Deduct	-86.80	
		For >2,000 To 5,000, Deduct	-143.05	
		For >5,000, Deduct	-237.03	
33 01 30 72-0184	LF	27mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,226.54	
		For Vinylster Resin, Add	793.58	
		For Epoxy Resin, Add	93.53	
		For Up To >10, Add	845.42	
		For >10 To 25, Add	515.57	
		For >25 To 50, Add	366.03	
		For >50 To 100, Add	183.01	
		For >500 To 1,000, Deduct	-63.65	
		For >1,000 To 2,000, Deduct	-96.63	
		For >2,000 To 5,000, Deduct	-159.26	
		For >5,000, Deduct	-263.88	
33 01 30 72-0185	LF	27mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,356.53	
		For Vinylster Resin, Add	874.36	
		For Epoxy Resin, Add	103.05	
		For Up To >10, Add	946.87	
		For >10 To 25, Add	580.87	
		For >25 To 50, Add	410.98	
		For >50 To 100, Add	205.49	
		For >500 To 1,000, Deduct	-70.51	
		For >1,000 To 2,000, Deduct	-107.11	
		For >2,000 To 5,000, Deduct	-176.75	
		For >5,000, Deduct	-292.79	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 01 30 72-0186	LF 27mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,481.87
	For Vinylster Resin, Add	955.15
	For Epoxy Resin, Add	112.57
	For Up To >10, Add	1,034.36
	For >10 To 25, Add	634.55
	For >25 To 50, Add	448.96
	For >50 To 100, Add	224.48
	For >500 To 1,000, Deduct	-77.03
	For >1,000 To 2,000, Deduct	-117.01
	For >2,000 To 5,000, Deduct	-193.08
	For >5,000, Deduct	-319.85
33 01 30 72-0187	LF 27mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,607.21
	For Vinylster Resin, Add	1,035.94
	For Epoxy Resin, Add	122.09
	For Up To >10, Add	1,121.83
	For >10 To 25, Add	688.21
	For >25 To 50, Add	486.92
	For >50 To 100, Add	243.46
	For >500 To 1,000, Deduct	-83.54
	For >1,000 To 2,000, Deduct	-126.91
	For >2,000 To 5,000, Deduct	-209.41
	For >5,000, Deduct	-346.90
33 01 30 72-0188	LF 27mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,732.55
	For Vinylster Resin, Add	1,116.73
	For Epoxy Resin, Add	131.61
	For Up To >10, Add	1,209.33
	For >10 To 25, Add	741.88
	For >25 To 50, Add	524.90
	For >50 To 100, Add	262.45
	For >500 To 1,000, Deduct	-90.06
	For >1,000 To 2,000, Deduct	-136.80
	For >2,000 To 5,000, Deduct	-225.74
	For >5,000, Deduct	-373.95

**33 01 30 72-0189 28.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)**

33 01 30 72-0190	LF 28.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	502.00
	For Vinylster Resin, Add	325.16
	For Epoxy Resin, Add	38.32
	For Up To >10, Add	344.73
	For >10 To 25, Add	209.85
	For >25 To 50, Add	149.14
	For >50 To 100, Add	74.57
	For >500 To 1,000, Deduct	-26.04
	For >1,000 To 2,000, Deduct	-39.52
	For >2,000 To 5,000, Deduct	-65.11
	For >5,000, Deduct	-107.90
33 01 30 72-0191	LF 28.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	567.95
	For Vinylster Resin, Add	367.80
	For Epoxy Resin, Add	43.35
	For Up To >10, Add	390.28
	For >10 To 25, Add	237.66
	For >25 To 50, Add	168.87
	For >50 To 100, Add	84.43
	For >500 To 1,000, Deduct	-29.46
	For >1,000 To 2,000, Deduct	-44.72
	For >2,000 To 5,000, Deduct	-73.68
	For >5,000, Deduct	-122.09
33 01 30 72-0192	LF 28.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	633.76
	For Vinylster Resin, Add	410.44
	For Epoxy Resin, Add	48.37
	For Up To >10, Add	435.43
	For >10 To 25, Add	265.14
	For >25 To 50, Add	188.40
	For >50 To 100, Add	94.20
	For >500 To 1,000, Deduct	-32.87
	For >1,000 To 2,000, Deduct	-49.90
	For >2,000 To 5,000, Deduct	-82.22
	For >5,000, Deduct	-136.24
33 01 30 72-0193	LF 28.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	801.39
	For Vinylster Resin, Add	520.92
	For Epoxy Resin, Add	61.39
	For Up To >10, Add	543.75
	For >10 To 25, Add	329.09
	For >25 To 50, Add	234.66
	For >50 To 100, Add	117.33
	For >500 To 1,000, Deduct	-41.50
	For >1,000 To 2,000, Deduct	-62.97
	For >2,000 To 5,000, Deduct	-103.61
	For >5,000, Deduct	-171.72
33 01 30 72-0194	LF 28.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	897.13
	For Vinylster Resin, Add	580.99
	For Epoxy Resin, Add	68.47
	For Up To >10, Add	616.42
	For >10 To 25, Add	375.35
	For >25 To 50, Add	266.71
	For >50 To 100, Add	133.35
	For >500 To 1,000, Deduct	-46.54
	For >1,000 To 2,000, Deduct	-70.64
	For >2,000 To 5,000, Deduct	-116.38
	For >5,000, Deduct	-192.85



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0195	LF		28.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,028.75	
			For Vinyl Ester Resin, Add	666.27	
			For Epoxy Resin, Add	78.52	
			For Up To >10, Add	706.73	
			For >10 To 25, Add	430.30	
			For >25 To 50, Add	305.77	
			For >50 To 100, Add	152.89	
			For >500 To 1,000, Deduct	-53.36	
			For >1,000 To 2,000, Deduct	-81.00	
			For >2,000 To 5,000, Deduct	-133.45	
			For >5,000, Deduct	-221.14	
33 01 30 72-0196	LF		28.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,160.38	
			For Vinyl Ester Resin, Add	751.55	
			For Epoxy Resin, Add	88.58	
			For Up To >10, Add	797.04	
			For >10 To 25, Add	485.26	
			For >25 To 50, Add	344.84	
			For >50 To 100, Add	172.42	
			For >500 To 1,000, Deduct	-60.19	
			For >1,000 To 2,000, Deduct	-91.37	
			For >2,000 To 5,000, Deduct	-150.52	
			For >5,000, Deduct	-249.42	
33 01 30 72-0197	LF		28.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,292.01	
			For Vinyl Ester Resin, Add	836.82	
			For Epoxy Resin, Add	98.63	
			For Up To >10, Add	887.38	
			For >10 To 25, Add	540.24	
			For >25 To 50, Add	383.92	
			For >50 To 100, Add	191.96	
			For >500 To 1,000, Deduct	-67.01	
			For >1,000 To 2,000, Deduct	-101.73	
			For >2,000 To 5,000, Deduct	-167.59	
			For >5,000, Deduct	-277.71	
33 01 30 72-0198	LF		28.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,429.03	
			For Vinyl Ester Resin, Add	922.10	
			For Epoxy Resin, Add	108.68	
			For Up To >10, Add	993.87	
			For >10 To 25, Add	608.67	
			For >25 To 50, Add	431.07	
			For >50 To 100, Add	215.53	
			For >500 To 1,000, Deduct	-74.25	
			For >1,000 To 2,000, Deduct	-112.76	
			For >2,000 To 5,000, Deduct	-186.01	
			For >5,000, Deduct	-308.15	
33 01 30 72-0199	LF		28.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,561.14	
			For Vinyl Ester Resin, Add	1,007.38	
			For Epoxy Resin, Add	118.73	
			For Up To >10, Add	1,085.65	
			For >10 To 25, Add	664.85	
			For >25 To 50, Add	470.87	
			For >50 To 100, Add	235.43	
			For >500 To 1,000, Deduct	-81.11	
			For >1,000 To 2,000, Deduct	-123.19	
			For >2,000 To 5,000, Deduct	-203.20	
			For >5,000, Deduct	-336.63	
33 01 30 72-0200	LF		28.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,693.37	
			For Vinyl Ester Resin, Add	1,092.65	
			For Epoxy Resin, Add	128.78	
			For Up To >10, Add	1,177.79	
			For >10 To 25, Add	721.33	
			For >25 To 50, Add	510.85	
			For >50 To 100, Add	255.42	
			For >500 To 1,000, Deduct	-87.98	
			For >1,000 To 2,000, Deduct	-133.62	
			For >2,000 To 5,000, Deduct	-220.42	
			For >5,000, Deduct	-365.16	
33 01 30 72-0201	LF		28.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,825.49	
			For Vinyl Ester Resin, Add	1,177.93	
			For Epoxy Resin, Add	138.83	
			For Up To >10, Add	1,269.57	
			For >10 To 25, Add	777.52	
			For >25 To 50, Add	550.65	
			For >50 To 100, Add	275.32	
			For >500 To 1,000, Deduct	-94.64	
			For >1,000 To 2,000, Deduct	-144.05	
			For >2,000 To 5,000, Deduct	-237.61	
			For >5,000, Deduct	-393.64	
<b>33 01 30 72-0202 30mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small></b>					
33 01 30 72-0203	LF		30mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	526.54	
			For Vinyl Ester Resin, Add	341.39	
			For Epoxy Resin, Add	40.24	
			For Up To >10, Add	360.37	
			For >10 To 25, Add	219.03	
			For >25 To 50, Add	155.80	
			For >50 To 100, Add	77.90	
			For >500 To 1,000, Deduct	-27.30	
			For >1,000 To 2,000, Deduct	-41.43	
			For >2,000 To 5,000, Deduct	-68.23	
			For >5,000, Deduct	-113.08	

## 33 Utilities

## 33 01 Operation and Maintenance of Utilities

## 33 01 30 Operation and Maintenance of Sewer Utilities

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
33 01 30 72-0204	LF 30mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	595.80	
	For Vinylster Resin, Add	386.27	
	For Epoxy Resin, Add	45.53	
	For Up To >10, Add	407.85	
	For >10 To 25, Add	247.91	
	For >25 To 50, Add	176.33	
	For >50 To 100, Add	88.17	
	For >500 To 1,000, Deduct	-30.89	
	For >1,000 To 2,000, Deduct	-46.88	
	For >2,000 To 5,000, Deduct	-77.21	
	For >5,000, Deduct	-127.96	
33 01 30 72-0205	LF 30mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	665.07	
	For Vinylster Resin, Add	431.16	
	For Epoxy Resin, Add	50.82	
	For Up To >10, Add	455.36	
	For >10 To 25, Add	276.81	
	For >25 To 50, Add	196.88	
	For >50 To 100, Add	98.44	
	For >500 To 1,000, Deduct	-34.48	
	For >1,000 To 2,000, Deduct	-52.34	
	For >2,000 To 5,000, Deduct	-86.20	
	For >5,000, Deduct	-142.84	
33 01 30 72-0206	LF 30mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	803.47	
	For Vinylster Resin, Add	520.92	
	For Epoxy Resin, Add	61.39	
	For Up To >10, Add	549.99	
	For >10 To 25, Add	334.29	
	For >25 To 50, Add	237.78	
	For >50 To 100, Add	118.89	
	For >500 To 1,000, Deduct	-41.66	
	For >1,000 To 2,000, Deduct	-63.23	
	For >2,000 To 5,000, Deduct	-104.13	
	For >5,000, Deduct	-172.55	
33 01 30 72-0207	LF 30mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	942.00	
	For Vinylster Resin, Add	610.69	
	For Epoxy Resin, Add	71.97	
	For Up To >10, Add	644.98	
	For >10 To 25, Add	392.08	
	For >25 To 50, Add	278.87	
	For >50 To 100, Add	139.43	
	For >500 To 1,000, Deduct	-48.84	
	For >1,000 To 2,000, Deduct	-74.13	
	For >2,000 To 5,000, Deduct	-122.09	
	For >5,000, Deduct	-202.32	
33 01 30 72-0208	LF 30mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,080.40	
	For Vinylster Resin, Add	700.45	
	For Epoxy Resin, Add	82.55	
	For Up To >10, Add	739.60	
	For >10 To 25, Add	449.56	
	For >25 To 50, Add	319.77	
	For >50 To 100, Add	159.88	
	For >500 To 1,000, Deduct	-56.01	
	For >1,000 To 2,000, Deduct	-85.02	
	For >2,000 To 5,000, Deduct	-140.02	
	For >5,000, Deduct	-232.03	
33 01 30 72-0209	LF 30mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,218.94	
	For Vinylster Resin, Add	790.22	
	For Epoxy Resin, Add	93.13	
	For Up To >10, Add	834.62	
	For >10 To 25, Add	507.37	
	For >25 To 50, Add	360.87	
	For >50 To 100, Add	180.43	
	For >500 To 1,000, Deduct	-63.20	
	For >1,000 To 2,000, Deduct	-95.92	
	For >2,000 To 5,000, Deduct	-157.98	
	For >5,000, Deduct	-261.80	
33 01 30 72-0210	LF 30mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,357.34	
	For Vinylster Resin, Add	879.98	
	For Epoxy Resin, Add	103.71	
	For Up To >10, Add	929.22	
	For >10 To 25, Add	564.83	
	For >25 To 50, Add	401.75	
	For >50 To 100, Add	200.88	
	For >500 To 1,000, Deduct	-70.37	
	For >1,000 To 2,000, Deduct	-106.81	
	For >2,000 To 5,000, Deduct	-175.91	
	For >5,000, Deduct	-291.51	
33 01 30 72-0211	LF 30mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,501.37	
	For Vinylster Resin, Add	969.75	
	For Epoxy Resin, Add	114.29	
	For Up To >10, Add	1,040.74	
	For >10 To 25, Add	636.39	
	For >25 To 50, Add	451.10	
	For >50 To 100, Add	225.55	
	For >500 To 1,000, Deduct	-77.97	
	For >1,000 To 2,000, Deduct	-118.40	
	For >2,000 To 5,000, Deduct	-195.25	
	For >5,000, Deduct	-323.48	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0212	LF	30mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,640.28	
		For Vinylster Resin, Add	1,059.51	
		For Epoxy Resin, Add	124.87	
		For Up To >10, Add	1,136.87	
		For >10 To 25, Add	695.12	
		For >25 To 50, Add	492.75	
		For >50 To 100, Add	246.38	
		For >500 To 1,000, Deduct	-85.18	
		For >1,000 To 2,000, Deduct	-129.36	
		For >2,000 To 5,000, Deduct	-213.30	
		For >5,000, Deduct	-353.39	
33 01 30 72-0213	LF	30mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,779.29	
		For Vinylster Resin, Add	1,149.28	
		For Epoxy Resin, Add	135.45	
		For Up To >10, Add	1,233.30	
		For >10 To 25, Add	754.11	
		For >25 To 50, Add	534.56	
		For >50 To 100, Add	267.28	
		For >500 To 1,000, Deduct	-92.40	
		For >1,000 To 2,000, Deduct	-140.32	
		For >2,000 To 5,000, Deduct	-231.38	
		For >5,000, Deduct	-383.35	
33 01 30 72-0214	LF	30mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,918.31	
		For Vinylster Resin, Add	1,239.04	
		For Epoxy Resin, Add	146.03	
		For Up To >10, Add	1,329.78	
		For >10 To 25, Add	813.14	
		For >25 To 50, Add	576.39	
		For >50 To 100, Add	288.19	
		For >500 To 1,000, Deduct	-99.62	
		For >1,000 To 2,000, Deduct	-151.29	
		For >2,000 To 5,000, Deduct	-249.47	
		For >5,000, Deduct	-413.31	
33 01 30 72-0215	LF	30mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,057.21	
		For Vinylster Resin, Add	1,328.81	
		For Epoxy Resin, Add	156.61	
		For Up To >10, Add	1,425.88	
		For >10 To 25, Add	871.85	
		For >25 To 50, Add	618.03	
		For >50 To 100, Add	309.01	
		For >500 To 1,000, Deduct	-106.83	
		For >1,000 To 2,000, Deduct	-162.24	
		For >2,000 To 5,000, Deduct	-267.52	
		For >5,000, Deduct	-443.22	
33 01 30 72-0216	LF	30mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,196.23	
		For Vinylster Resin, Add	1,418.58	
		For Epoxy Resin, Add	167.19	
		For Up To >10, Add	1,522.34	
		For >10 To 25, Add	930.86	
		For >25 To 50, Add	659.84	
		For >50 To 100, Add	329.92	
		For >500 To 1,000, Deduct	-114.05	
		For >1,000 To 2,000, Deduct	-173.20	
		For >2,000 To 5,000, Deduct	-285.61	
		For >5,000, Deduct	-473.18	
<b>33 01 30 72-0217</b>		<b>31.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)</b>		
33 01 30 72-0218	LF	31.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	550.95	
		For Vinylster Resin, Add	357.53	
		For Epoxy Resin, Add	42.14	
		For Up To >10, Add	375.95	
		For >10 To 25, Add	228.17	
		For >25 To 50, Add	162.44	
		For >50 To 100, Add	81.22	
		For >500 To 1,000, Deduct	-28.55	
		For >1,000 To 2,000, Deduct	-43.33	
		For >2,000 To 5,000, Deduct	-71.34	
		For >5,000, Deduct	-118.23	
33 01 30 72-0219	LF	31.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	623.55	
		For Vinylster Resin, Add	404.66	
		For Epoxy Resin, Add	47.69	
		For Up To >10, Add	425.43	
		For >10 To 25, Add	258.17	
		For >25 To 50, Add	183.81	
		For >50 To 100, Add	91.90	
		For >500 To 1,000, Deduct	-32.31	
		For >1,000 To 2,000, Deduct	-49.04	
		For >2,000 To 5,000, Deduct	-80.74	
		For >5,000, Deduct	-133.80	
33 01 30 72-0220	LF	31.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	696.13	
		For Vinylster Resin, Add	451.79	
		For Epoxy Resin, Add	53.25	
		For Up To >10, Add	474.87	
		For >10 To 25, Add	288.15	
		For >25 To 50, Add	205.16	
		For >50 To 100, Add	102.58	
		For >500 To 1,000, Deduct	-36.07	
		For >1,000 To 2,000, Deduct	-54.75	
		For >2,000 To 5,000, Deduct	-90.13	
		For >5,000, Deduct	-149.37	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 01 30 72-0221	LF 31.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	841.44	
	For Vinylster Resin, Add	546.04	
	For Epoxy Resin, Add	64.35	
	For Up To >10, Add	574.17	
	For >10 To 25, Add	348.47	
	For >25 To 50, Add	248.08	
	For >50 To 100, Add	124.04	
	For >500 To 1,000, Deduct	-43.61	
	For >1,000 To 2,000, Deduct	-66.18	
	For >2,000 To 5,000, Deduct	-108.95	
	For >5,000, Deduct	-180.56	
33 01 30 72-0222	LF 31.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	986.63	
	For Vinylster Resin, Add	640.30	
	For Epoxy Resin, Add	75.46	
	For Up To >10, Add	673.12	
	For >10 To 25, Add	408.48	
	For >25 To 50, Add	290.82	
	For >50 To 100, Add	145.41	
	For >500 To 1,000, Deduct	-51.13	
	For >1,000 To 2,000, Deduct	-77.59	
	For >2,000 To 5,000, Deduct	-127.75	
	For >5,000, Deduct	-211.71	
33 01 30 72-0223	LF 31.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,131.94	
	For Vinylster Resin, Add	734.55	
	For Epoxy Resin, Add	86.57	
	For Up To >10, Add	772.42	
	For >10 To 25, Add	468.79	
	For >25 To 50, Add	333.74	
	For >50 To 100, Add	166.87	
	For >500 To 1,000, Deduct	-58.66	
	For >1,000 To 2,000, Deduct	-89.02	
	For >2,000 To 5,000, Deduct	-146.57	
	For >5,000, Deduct	-242.90	
33 01 30 72-0224	LF 31.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,277.11	
	For Vinylster Resin, Add	828.80	
	For Epoxy Resin, Add	97.68	
	For Up To >10, Add	871.33	
	For >10 To 25, Add	528.78	
	For >25 To 50, Add	376.47	
	For >50 To 100, Add	188.23	
	For >500 To 1,000, Deduct	-66.18	
	For >1,000 To 2,000, Deduct	-100.44	
	For >2,000 To 5,000, Deduct	-165.36	
	For >5,000, Deduct	-274.04	
33 01 30 72-0225	LF 31.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,422.30	
	For Vinylster Resin, Add	923.06	
	For Epoxy Resin, Add	108.79	
	For Up To >10, Add	970.28	
	For >10 To 25, Add	588.79	
	For >25 To 50, Add	419.21	
	For >50 To 100, Add	209.60	
	For >500 To 1,000, Deduct	-73.71	
	For >1,000 To 2,000, Deduct	-111.86	
	For >2,000 To 5,000, Deduct	-184.15	
	For >5,000, Deduct	-305.19	
33 01 30 72-0226	LF 31.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,573.36	
	For Vinylster Resin, Add	1,017.31	
	For Epoxy Resin, Add	119.90	
	For Up To >10, Add	1,086.83	
	For >10 To 25, Add	663.48	
	For >25 To 50, Add	470.75	
	For >50 To 100, Add	235.38	
	For >500 To 1,000, Deduct	-81.67	
	For >1,000 To 2,000, Deduct	-124.01	
	For >2,000 To 5,000, Deduct	-204.41	
	For >5,000, Deduct	-338.68	
33 01 30 72-0227	LF 31.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,730.13	
	For Vinylster Resin, Add	1,119.15	
	For Epoxy Resin, Add	131.90	
	For Up To >10, Add	1,193.42	
	For >10 To 25, Add	728.05	
	For >25 To 50, Add	516.77	
	For >50 To 100, Add	258.38	
	For >500 To 1,000, Deduct	-89.79	
	For >1,000 To 2,000, Deduct	-136.33	
	For >2,000 To 5,000, Deduct	-224.69	
	For >5,000, Deduct	-372.29	
33 01 30 72-0228	LF 31.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,864.83	
	For Vinylster Resin, Add	1,205.81	
	For Epoxy Resin, Add	142.11	
	For Up To >10, Add	1,288.02	
	For >10 To 25, Add	786.25	
	For >25 To 50, Add	557.88	
	For >50 To 100, Add	278.94	
	For >500 To 1,000, Deduct	-96.80	
	For >1,000 To 2,000, Deduct	-146.97	
	For >2,000 To 5,000, Deduct	-242.27	
	For >5,000, Deduct	-401.41	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0229	LF	31.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,010.63	
		For Vinylster Resin, Add	1,300.07	
		For Epoxy Resin, Add	153.22	
		For Up To >10, Add	1,388.79	
		For >10 To 25, Add	847.79	
		For >25 To 50, Add	601.53	
		For >50 To 100, Add	300.77	
		For >500 To 1,000, Deduct	-104.37	
		For >1,000 To 2,000, Deduct	-158.47	
		For >2,000 To 5,000, Deduct	-261.22	
		For >5,000, Deduct	-432.80	
33 01 30 72-0230	LF	31.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,156.31	
		For Vinylster Resin, Add	1,394.32	
		For Epoxy Resin, Add	164.33	
		For Up To >10, Add	1,489.21	
		For >10 To 25, Add	909.02	
		For >25 To 50, Add	645.01	
		For >50 To 100, Add	322.50	
		For >500 To 1,000, Deduct	-111.93	
		For >1,000 To 2,000, Deduct	-169.94	
		For >2,000 To 5,000, Deduct	-280.13	
		For >5,000, Deduct	-464.15	
33 01 30 72-0231	LF	31.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,302.11	
		For Vinylster Resin, Add	1,488.58	
		For Epoxy Resin, Add	175.44	
		For Up To >10, Add	1,589.98	
		For >10 To 25, Add	970.56	
		For >25 To 50, Add	688.66	
		For >50 To 100, Add	344.33	
		For >500 To 1,000, Deduct	-119.49	
		For >1,000 To 2,000, Deduct	-181.44	
		For >2,000 To 5,000, Deduct	-299.08	
		For >5,000, Deduct	-495.54	
<b>33 01 30 72-0232</b>		<b>33mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small></b>		
33 01 30 72-0233	LF	33mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	575.11	
		For Vinylster Resin, Add	373.59	
		For Epoxy Resin, Add	44.03	
		For Up To >10, Add	391.08	
		For >10 To 25, Add	236.95	
		For >25 To 50, Add	168.86	
		For >50 To 100, Add	84.43	
		For >500 To 1,000, Deduct	-29.79	
		For >1,000 To 2,000, Deduct	-45.20	
		For >2,000 To 5,000, Deduct	-74.40	
		For >5,000, Deduct	-123.30	
33 01 30 72-0234	LF	33mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	651.14	
		For Vinylster Resin, Add	422.95	
		For Epoxy Resin, Add	49.85	
		For Up To >10, Add	442.87	
		For >10 To 25, Add	268.36	
		For >25 To 50, Add	191.22	
		For >50 To 100, Add	95.61	
		For >500 To 1,000, Deduct	-33.73	
		For >1,000 To 2,000, Deduct	-51.18	
		For >2,000 To 5,000, Deduct	-84.24	
		For >5,000, Deduct	-139.61	
33 01 30 72-0235	LF	33mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	727.07	
		For Vinylster Resin, Add	472.33	
		For Epoxy Resin, Add	55.67	
		For Up To >10, Add	494.34	
		For >10 To 25, Add	299.49	
		For >25 To 50, Add	213.43	
		For >50 To 100, Add	106.72	
		For >500 To 1,000, Deduct	-37.66	
		For >1,000 To 2,000, Deduct	-57.15	
		For >2,000 To 5,000, Deduct	-94.05	
		For >5,000, Deduct	-155.88	
33 01 30 72-0236	LF	33mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	879.16	
		For Vinylster Resin, Add	571.07	
		For Epoxy Resin, Add	67.31	
		For Up To >10, Add	597.93	
		For >10 To 25, Add	362.31	
		For >25 To 50, Add	258.17	
		For >50 To 100, Add	129.09	
		For >500 To 1,000, Deduct	-45.54	
		For >1,000 To 2,000, Deduct	-69.10	
		For >2,000 To 5,000, Deduct	-113.73	
		For >5,000, Deduct	-188.50	
33 01 30 72-0237	LF	33mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,031.12	
		For Vinylster Resin, Add	669.81	
		For Epoxy Resin, Add	78.94	
		For Up To >10, Add	701.19	
		For >10 To 25, Add	424.84	
		For >25 To 50, Add	302.75	
		For >50 To 100, Add	151.37	
		For >500 To 1,000, Deduct	-53.41	
		For >1,000 To 2,000, Deduct	-81.05	
		For >2,000 To 5,000, Deduct	-133.39	
		For >5,000, Deduct	-221.07	

**33 Utilities**  
**33 01 Operation and Maintenance of Utilities**  
**33 01 30 Operation and Maintenance of Sewer Utilities**



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
33 01 30 72-0238	LF	33mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,183.21	
		For Vinylster Resin, Add	768.56	
		For Epoxy Resin, Add	90.58	
		For Up To >10, Add	804.78	
		For >10 To 25, Add	487.66	
		For >25 To 50, Add	347.49	
		For >50 To 100, Add	173.75	
		For >500 To 1,000, Deduct	-61.29	
		For >1,000 To 2,000, Deduct	-93.00	
		For >2,000 To 5,000, Deduct	-153.07	
		For >5,000, Deduct	-253.70	
33 01 30 72-0239	LF	33mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,335.17	
		For Vinylster Resin, Add	867.29	
		For Epoxy Resin, Add	102.22	
		For Up To >10, Add	908.04	
		For >10 To 25, Add	550.20	
		For >25 To 50, Add	392.07	
		For >50 To 100, Add	196.03	
		For >500 To 1,000, Deduct	-69.16	
		For >1,000 To 2,000, Deduct	-104.95	
		For >2,000 To 5,000, Deduct	-172.72	
		For >5,000, Deduct	-286.27	
33 01 30 72-0240	LF	33mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,487.14	
		For Vinylster Resin, Add	966.04	
		For Epoxy Resin, Add	113.85	
		For Up To >10, Add	1,011.27	
		For >10 To 25, Add	612.72	
		For >25 To 50, Add	436.63	
		For >50 To 100, Add	218.32	
		For >500 To 1,000, Deduct	-77.03	
		For >1,000 To 2,000, Deduct	-116.89	
		For >2,000 To 5,000, Deduct	-192.38	
		For >5,000, Deduct	-318.84	
33 01 30 72-0241	LF	33mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,645.10	
		For Vinylster Resin, Add	1,064.78	
		For Epoxy Resin, Add	125.49	
		For Up To >10, Add	1,132.53	
		For >10 To 25, Add	690.25	
		For >25 To 50, Add	490.21	
		For >50 To 100, Add	245.10	
		For >500 To 1,000, Deduct	-85.35	
		For >1,000 To 2,000, Deduct	-129.58	
		For >2,000 To 5,000, Deduct	-213.53	
		For >5,000, Deduct	-353.82	
33 01 30 72-0242	LF	33mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,798.05	
		For Vinylster Resin, Add	1,163.53	
		For Epoxy Resin, Add	137.13	
		For Up To >10, Add	1,238.70	
		For >10 To 25, Add	755.22	
		For >25 To 50, Add	536.24	
		For >50 To 100, Add	268.12	
		For >500 To 1,000, Deduct	-93.30	
		For >1,000 To 2,000, Deduct	-141.65	
		For >2,000 To 5,000, Deduct	-233.43	
		For >5,000, Deduct	-386.78	
33 01 30 72-0243	LF	33mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,950.13	
		For Vinylster Resin, Add	1,262.26	
		For Epoxy Resin, Add	148.77	
		For Up To >10, Add	1,342.32	
		For >10 To 25, Add	818.06	
		For >25 To 50, Add	581.00	
		For >50 To 100, Add	290.50	
		For >500 To 1,000, Deduct	-101.18	
		For >1,000 To 2,000, Deduct	-153.60	
		For >2,000 To 5,000, Deduct	-253.11	
		For >5,000, Deduct	-419.41	
33 01 30 72-0244	LF	33mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,102.71	
		For Vinylster Resin, Add	1,361.00	
		For Epoxy Resin, Add	160.40	
		For Up To >10, Add	1,447.41	
		For >10 To 25, Add	882.12	
		For >25 To 50, Add	626.49	
		For >50 To 100, Add	313.24	
		For >500 To 1,000, Deduct	-109.10	
		For >1,000 To 2,000, Deduct	-165.62	
		For >2,000 To 5,000, Deduct	-272.92	
		For >5,000, Deduct	-452.23	
33 01 30 72-0245	LF	33mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,255.28	
		For Vinylster Resin, Add	1,459.75	
		For Epoxy Resin, Add	172.04	
		For Up To >10, Add	1,552.47	
		For >10 To 25, Add	946.16	
		For >25 To 50, Add	671.97	
		For >50 To 100, Add	335.98	
		For >500 To 1,000, Deduct	-117.01	
		For >1,000 To 2,000, Deduct	-177.64	
		For >2,000 To 5,000, Deduct	-292.72	
		For >5,000, Deduct	-485.04	



**33 Utilities**  
**33 01 Operation and Maintenance of Utilities**  
**33 01 30 Operation and Maintenance of Sewer Utilities**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01	30 72-0255	LF	34.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,715.86	
			For Vinylster Resin, Add	1,112.16	
			For Epoxy Resin, Add	131.08	
			For Up To >10, Add	1,175.58	
			For >10 To 25, Add	714.85	
			For >25 To 50, Add	508.35	
			For >50 To 100, Add	254.18	
			For >500 To 1,000, Deduct	-88.97	
			For >1,000 To 2,000, Deduct	-135.04	
			For >2,000 To 5,000, Deduct	-222.42	
			For >5,000, Deduct	-368.58	
33 01	30 72-0256	LF	34.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,875.33	
			For Vinylster Resin, Add	1,215.39	
			For Epoxy Resin, Add	143.24	
			For Up To >10, Add	1,285.32	
			For >10 To 25, Add	781.72	
			For >25 To 50, Add	555.84	
			For >50 To 100, Add	277.92	
			For >500 To 1,000, Deduct	-97.24	
			For >1,000 To 2,000, Deduct	-147.60	
			For >2,000 To 5,000, Deduct	-243.12	
			For >5,000, Deduct	-402.88	
33 01	30 72-0257	LF	34.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,032.37	
			For Vinylster Resin, Add	1,318.63	
			For Epoxy Resin, Add	155.41	
			For Up To >10, Add	1,387.74	
			For >10 To 25, Add	842.49	
			For >25 To 50, Add	599.68	
			For >50 To 100, Add	299.84	
			For >500 To 1,000, Deduct	-105.33	
			For >1,000 To 2,000, Deduct	-159.86	
			For >2,000 To 5,000, Deduct	-263.21	
			For >5,000, Deduct	-436.20	
33 01	30 72-0258	LF	34.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,193.68	
			For Vinylster Resin, Add	1,421.85	
			For Epoxy Resin, Add	167.58	
			For Up To >10, Add	1,502.99	
			For >10 To 25, Add	913.96	
			For >25 To 50, Add	649.93	
			For >50 To 100, Add	324.97	
			For >500 To 1,000, Deduct	-113.75	
			For >1,000 To 2,000, Deduct	-172.65	
			For >2,000 To 5,000, Deduct	-284.36	
			For >5,000, Deduct	-471.23	
33 01	30 72-0259	LF	34.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,352.91	
			For Vinylster Resin, Add	1,525.08	
			For Epoxy Resin, Add	179.74	
			For Up To >10, Add	1,612.01	
			For >10 To 25, Add	980.22	
			For >25 To 50, Add	697.07	
			For >50 To 100, Add	348.53	
			For >500 To 1,000, Deduct	-122.00	
			For >1,000 To 2,000, Deduct	-185.18	
			For >2,000 To 5,000, Deduct	-305.00	
			For >5,000, Deduct	-505.43	
33 01	30 72-0260	LF	34.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,512.15	
			For Vinylster Resin, Add	1,628.31	
			For Epoxy Resin, Add	191.91	
			For Up To >10, Add	1,721.05	
			For >10 To 25, Add	1,046.52	
			For >25 To 50, Add	744.22	
			For >50 To 100, Add	372.11	
			For >500 To 1,000, Deduct	-130.26	
			For >1,000 To 2,000, Deduct	-197.71	
			For >2,000 To 5,000, Deduct	-325.64	
			For >5,000, Deduct	-539.63	
33 01	30 72-0261		<b>36mm Thick Lining Cured In-Place Pipe</b> <small>(33 01 30 72-0015)</small>		
33 01	30 72-0262	LF	36mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	705.26	
			For Vinylster Resin, Add	459.29	
			For Epoxy Resin, Add	54.13	
			For Up To >10, Add	475.46	
			For >10 To 25, Add	286.86	
			For >25 To 50, Add	204.92	
			For >50 To 100, Add	102.46	
			For >500 To 1,000, Deduct	-36.49	
			For >1,000 To 2,000, Deduct	-55.35	
			For >2,000 To 5,000, Deduct	-91.02	
			For >5,000, Deduct	-150.88	
33 01	30 72-0263	LF	36mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	787.95	
			For Vinylster Resin, Add	513.14	
			For Epoxy Resin, Add	60.48	
			For Up To >10, Add	531.20	
			For >10 To 25, Add	320.49	
			For >25 To 50, Add	228.95	
			For >50 To 100, Add	114.47	
			For >500 To 1,000, Deduct	-40.77	
			For >1,000 To 2,000, Deduct	-61.84	
			For >2,000 To 5,000, Deduct	-101.69	
			For >5,000, Deduct	-168.57	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0264 LF 36mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	953.35	
For Vinylster Resin, Add	620.87	
For Epoxy Resin, Add	73.17	
For Up To >10, Add	642.68	
For >10 To 25, Add	387.74	
For >25 To 50, Add	276.99	
For >50 To 100, Add	138.50	
For >500 To 1,000, Deduct	-49.33	
For >1,000 To 2,000, Deduct	-74.82	
For >2,000 To 5,000, Deduct	-123.03	
For >5,000, Deduct	-203.95	
33 01 30 72-0265 LF 36mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,118.76	
For Vinylster Resin, Add	728.59	
For Epoxy Resin, Add	85.87	
For Up To >10, Add	754.18	
For >10 To 25, Add	455.01	
For >25 To 50, Add	325.05	
For >50 To 100, Add	162.52	
For >500 To 1,000, Deduct	-57.89	
For >1,000 To 2,000, Deduct	-87.80	
For >2,000 To 5,000, Deduct	-144.38	
For >5,000, Deduct	-239.34	
33 01 30 72-0266 LF 36mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,284.04	
For Vinylster Resin, Add	836.30	
For Epoxy Resin, Add	98.56	
For Up To >10, Add	865.32	
For >10 To 25, Add	521.98	
For >25 To 50, Add	372.92	
For >50 To 100, Add	186.46	
For >500 To 1,000, Deduct	-66.44	
For >1,000 To 2,000, Deduct	-100.77	
For >2,000 To 5,000, Deduct	-165.70	
For >5,000, Deduct	-274.67	
33 01 30 72-0267 LF 36mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,449.43	
For Vinylster Resin, Add	944.02	
For Epoxy Resin, Add	111.26	
For Up To >10, Add	976.79	
For >10 To 25, Add	589.23	
For >25 To 50, Add	420.97	
For >50 To 100, Add	210.48	
For >500 To 1,000, Deduct	-74.99	
For >1,000 To 2,000, Deduct	-113.75	
For >2,000 To 5,000, Deduct	-187.04	
For >5,000, Deduct	-310.05	
33 01 30 72-0268 LF 36mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,614.82	
For Vinylster Resin, Add	1,051.74	
For Epoxy Resin, Add	123.95	
For Up To >10, Add	1,088.26	
For >10 To 25, Add	656.47	
For >25 To 50, Add	469.01	
For >50 To 100, Add	234.50	
For >500 To 1,000, Deduct	-83.55	
For >1,000 To 2,000, Deduct	-126.73	
For >2,000 To 5,000, Deduct	-208.38	
For >5,000, Deduct	-345.43	
33 01 30 72-0269 LF 36mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,786.48	
For Vinylster Resin, Add	1,159.46	
For Epoxy Resin, Add	136.65	
For Up To >10, Add	1,218.52	
For >10 To 25, Add	739.37	
For >25 To 50, Add	526.44	
For >50 To 100, Add	263.22	
For >500 To 1,000, Deduct	-92.58	
For >1,000 To 2,000, Deduct	-140.49	
For >2,000 To 5,000, Deduct	-231.29	
For >5,000, Deduct	-383.32	
33 01 30 72-0270 LF 36mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,952.49	
For Vinylster Resin, Add	1,267.18	
For Epoxy Resin, Add	149.35	
For Up To >10, Add	1,331.85	
For >10 To 25, Add	808.16	
For >25 To 50, Add	575.41	
For >50 To 100, Add	287.71	
For >500 To 1,000, Deduct	-101.18	
For >1,000 To 2,000, Deduct	-153.55	
For >2,000 To 5,000, Deduct	-252.79	
For >5,000, Deduct	-418.95	
33 01 30 72-0271 LF 36mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,114.34	
For Vinylster Resin, Add	1,374.89	
For Epoxy Resin, Add	162.04	
For Up To >10, Add	1,432.70	
For >10 To 25, Add	866.56	
For >25 To 50, Add	618.14	
For >50 To 100, Add	309.07	
For >500 To 1,000, Deduct	-109.47	
For >1,000 To 2,000, Deduct	-166.09	
For >2,000 To 5,000, Deduct	-273.25	
For >5,000, Deduct	-452.91	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 01 30 72-0272	LF 36mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,284.40	
	For Vinylster Resin, Add	1,482.61	
	For Epoxy Resin, Add	174.74	
	For Up To >10, Add	1,558.15	
	For >10 To 25, Add	945.46	
	For >25 To 50, Add	673.17	
	For >50 To 100, Add	336.59	
	For >500 To 1,000, Deduct	-118.38	
	For >1,000 To 2,000, Deduct	-179.65	
	For >2,000 To 5,000, Deduct	-295.76	
	For >5,000, Deduct	-490.16	
33 01 30 72-0273	LF 36mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,450.41	
	For Vinylster Resin, Add	1,590.33	
	For Epoxy Resin, Add	187.43	
	For Up To >10, Add	1,671.48	
	For >10 To 25, Add	1,014.25	
	For >25 To 50, Add	722.15	
	For >50 To 100, Add	361.07	
	For >500 To 1,000, Deduct	-126.98	
	For >1,000 To 2,000, Deduct	-192.71	
	For >2,000 To 5,000, Deduct	-317.26	
	For >5,000, Deduct	-525.78	
33 01 30 72-0274	LF 36mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,616.42	
	For Vinylster Resin, Add	1,698.05	
	For Epoxy Resin, Add	200.13	
	For Up To >10, Add	1,784.81	
	For >10 To 25, Add	1,083.05	
	For >25 To 50, Add	771.12	
	For >50 To 100, Add	385.56	
	For >500 To 1,000, Deduct	-135.59	
	For >1,000 To 2,000, Deduct	-205.76	
	For >2,000 To 5,000, Deduct	-338.75	
	For >5,000, Deduct	-561.41	
33 01 30 72-0275	LF 36mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,782.32	
	For Vinylster Resin, Add	1,805.77	
	For Epoxy Resin, Add	212.82	
	For Up To >10, Add	1,897.79	
	For >10 To 25, Add	1,151.54	
	For >25 To 50, Add	819.91	
	For >50 To 100, Add	409.95	
	For >500 To 1,000, Deduct	-144.18	
	For >1,000 To 2,000, Deduct	-218.81	
	For >2,000 To 5,000, Deduct	-360.22	
	For >5,000, Deduct	-596.99	
33 01 30 72-0276	LF 36mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,948.32	
	For Vinylster Resin, Add	1,913.49	
	For Epoxy Resin, Add	225.52	
	For Up To >10, Add	2,011.09	
	For >10 To 25, Add	1,220.31	
	For >25 To 50, Add	868.87	
	For >50 To 100, Add	434.43	
	For >500 To 1,000, Deduct	-152.79	
	For >1,000 To 2,000, Deduct	-231.86	
	For >2,000 To 5,000, Deduct	-381.72	
	For >5,000, Deduct	-632.62	
<b>33 01 30 72-0277</b>	<b>37.5mm Thick Lining Cured In-Place Pipe</b> <small>(33 01 30 72-0015)</small>		
33 01 30 72-0278	LF 37.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	818.02	
	For Vinylster Resin, Add	533.42	
	For Epoxy Resin, Add	62.87	
	For Up To >10, Add	548.99	
	For >10 To 25, Add	330.48	
	For >25 To 50, Add	236.39	
	For >50 To 100, Add	118.20	
	For >500 To 1,000, Deduct	-42.30	
	For >1,000 To 2,000, Deduct	-64.15	
	For >2,000 To 5,000, Deduct	-105.44	
	For >5,000, Deduct	-174.80	
33 01 30 72-0279	LF 37.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	990.09	
	For Vinylster Resin, Add	645.63	
	For Epoxy Resin, Add	76.09	
	For Up To >10, Add	664.45	
	For >10 To 25, Add	399.98	
	For >25 To 50, Add	286.11	
	For >50 To 100, Add	143.05	
	For >500 To 1,000, Deduct	-51.20	
	For >1,000 To 2,000, Deduct	-77.64	
	For >2,000 To 5,000, Deduct	-127.62	
	For >5,000, Deduct	-211.57	
33 01 30 72-0280	LF 37.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,162.14	
	For Vinylster Resin, Add	757.83	
	For Epoxy Resin, Add	89.32	
	For Up To >10, Add	779.87	
	For >10 To 25, Add	469.46	
	For >25 To 50, Add	335.80	
	For >50 To 100, Add	167.90	
	For >500 To 1,000, Deduct	-60.10	
	For >1,000 To 2,000, Deduct	-91.14	
	For >2,000 To 5,000, Deduct	-149.79	
	For >5,000, Deduct	-248.33	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
33 01 30 72-0281	LF 37.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		1,334.20	
	For Vinylester Resin, Add		870.04	
	For Epoxy Resin, Add		102.54	
	For Up To >10, Add		895.30	
	For >10 To 25, Add		538.93	
	For >25 To 50, Add		385.50	
	For >50 To 100, Add		192.75	
	For >500 To 1,000, Deduct		-68.99	
	For >1,000 To 2,000, Deduct		-104.63	
	For >2,000 To 5,000, Deduct		-171.97	
	For >5,000, Deduct		-285.10	
33 01 30 72-0282	LF 37.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		1,506.26	
	For Vinylester Resin, Add		982.25	
	For Epoxy Resin, Add		115.77	
	For Up To >10, Add		1,010.73	
	For >10 To 25, Add		608.41	
	For >25 To 50, Add		435.20	
	For >50 To 100, Add		217.60	
	For >500 To 1,000, Deduct		-77.89	
	For >1,000 To 2,000, Deduct		-118.12	
	For >2,000 To 5,000, Deduct		-194.15	
	For >5,000, Deduct		-321.86	
33 01 30 72-0283	LF 37.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		1,678.30	
	For Vinylester Resin, Add		1,094.46	
	For Epoxy Resin, Add		128.99	
	For Up To >10, Add		1,126.13	
	For >10 To 25, Add		677.85	
	For >25 To 50, Add		484.89	
	For >50 To 100, Add		242.44	
	For >500 To 1,000, Deduct		-86.78	
	For >1,000 To 2,000, Deduct		-131.61	
	For >2,000 To 5,000, Deduct		-216.32	
	For >5,000, Deduct		-358.62	
33 01 30 72-0284	LF 37.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		1,856.73	
	For Vinylester Resin, Add		1,206.66	
	For Epoxy Resin, Add		142.21	
	For Up To >10, Add		1,260.69	
	For >10 To 25, Add		763.28	
	For >25 To 50, Add		544.16	
	For >50 To 100, Add		272.08	
	For >500 To 1,000, Deduct		-96.16	
	For >1,000 To 2,000, Deduct		-145.90	
	For >2,000 To 5,000, Deduct		-240.09	
	For >5,000, Deduct		-397.93	
33 01 30 72-0285	LF 37.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		2,029.41	
	For Vinylester Resin, Add		1,318.87	
	For Epoxy Resin, Add		155.44	
	For Up To >10, Add		1,377.98	
	For >10 To 25, Add		834.30	
	For >25 To 50, Add		594.79	
	For >50 To 100, Add		297.39	
	For >500 To 1,000, Deduct		-105.10	
	For >1,000 To 2,000, Deduct		-159.47	
	For >2,000 To 5,000, Deduct		-262.42	
	For >5,000, Deduct		-434.94	
33 01 30 72-0286	LF 37.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		2,199.99	
	For Vinylester Resin, Add		1,431.07	
	For Epoxy Resin, Add		168.66	
	For Up To >10, Add		1,489.00	
	For >10 To 25, Add		900.10	
	For >25 To 50, Add		642.28	
	For >50 To 100, Add		321.14	
	For >500 To 1,000, Deduct		-113.89	
	For >1,000 To 2,000, Deduct		-172.78	
	For >2,000 To 5,000, Deduct		-284.23	
	For >5,000, Deduct		-471.12	
33 01 30 72-0287	LF 37.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		2,374.74	
	For Vinylester Resin, Add		1,543.28	
	For Epoxy Resin, Add		181.89	
	For Up To >10, Add		1,612.50	
	For >10 To 25, Add		976.30	
	For >25 To 50, Add		696.01	
	For >50 To 100, Add		348.01	
	For >500 To 1,000, Deduct		-122.99	
	For >1,000 To 2,000, Deduct		-186.61	
	For >2,000 To 5,000, Deduct		-307.08	
	For >5,000, Deduct		-508.96	
33 01 30 72-0288	LF 37.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		2,547.42	
	For Vinylester Resin, Add		1,655.49	
	For Epoxy Resin, Add		195.11	
	For Up To >10, Add		1,729.79	
	For >10 To 25, Add		1,047.32	
	For >25 To 50, Add		746.64	
	For >50 To 100, Add		373.32	
	For >500 To 1,000, Deduct		-131.93	
	For >1,000 To 2,000, Deduct		-200.18	
	For >2,000 To 5,000, Deduct		-329.41	
	For >5,000, Deduct		-545.97	

**33 Utilities**

**33 01 Operation and Maintenance of Utilities**

**33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
33 01 30 72-0289	LF 37.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,719.96	
	For Vinylster Resin, Add	1,767.70	
	For Epoxy Resin, Add	208.34	
	For Up To >10, Add	1,846.68	
	For >10 To 25, Add	1,118.02	
	For >25 To 50, Add	797.08	
	For >50 To 100, Add	398.54	
	For >500 To 1,000, Deduct	-140.87	
	For >1,000 To 2,000, Deduct	-213.73	
	For >2,000 To 5,000, Deduct	-351.70	
	For >5,000, Deduct	-582.93	
33 01 30 72-0290	LF 37.5mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,892.63	
	For Vinylster Resin, Add	1,879.91	
	For Epoxy Resin, Add	221.56	
	For Up To >10, Add	1,963.94	
	For >10 To 25, Add	1,189.02	
	For >25 To 50, Add	847.69	
	For >50 To 100, Add	423.85	
	For >500 To 1,000, Deduct	-149.81	
	For >1,000 To 2,000, Deduct	-227.30	
	For >2,000 To 5,000, Deduct	-374.03	
	For >5,000, Deduct	-619.94	
33 01 30 72-0291	LF 37.5mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,065.30	
	For Vinylster Resin, Add	1,992.11	
	For Epoxy Resin, Add	234.78	
	For Up To >10, Add	2,081.23	
	For >10 To 25, Add	1,260.04	
	For >25 To 50, Add	898.32	
	For >50 To 100, Add	449.16	
	For >500 To 1,000, Deduct	-158.75	
	For >1,000 To 2,000, Deduct	-240.87	
	For >2,000 To 5,000, Deduct	-396.36	
	For >5,000, Deduct	-656.95	
<b>33 01 30 72-0292</b>	<b>39mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)</b>		
33 01 30 72-0293	LF 39mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,026.68	
	For Vinylster Resin, Add	670.31	
	For Epoxy Resin, Add	79.00	
	For Up To >10, Add	686.09	
	For >10 To 25, Add	412.15	
	For >25 To 50, Add	295.17	
	For >50 To 100, Add	147.58	
	For >500 To 1,000, Deduct	-53.06	
	For >1,000 To 2,000, Deduct	-80.46	
	For >2,000 To 5,000, Deduct	-132.18	
	For >5,000, Deduct	-219.16	
33 01 30 72-0294	LF 39mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,205.40	
	For Vinylster Resin, Add	787.00	
	For Epoxy Resin, Add	92.75	
	For Up To >10, Add	805.48	
	For >10 To 25, Add	483.85	
	For >25 To 50, Add	346.52	
	For >50 To 100, Add	173.26	
	For >500 To 1,000, Deduct	-62.30	
	For >1,000 To 2,000, Deduct	-94.46	
	For >2,000 To 5,000, Deduct	-155.19	
	For >5,000, Deduct	-257.30	
33 01 30 72-0295	LF 39mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,384.11	
	For Vinylster Resin, Add	903.70	
	For Epoxy Resin, Add	106.51	
	For Up To >10, Add	924.83	
	For >10 To 25, Add	555.53	
	For >25 To 50, Add	397.87	
	For >50 To 100, Add	198.93	
	For >500 To 1,000, Deduct	-71.53	
	For >1,000 To 2,000, Deduct	-108.46	
	For >2,000 To 5,000, Deduct	-178.20	
	For >5,000, Deduct	-295.44	
33 01 30 72-0296	LF 39mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,562.82	
	For Vinylster Resin, Add	1,020.39	
	For Epoxy Resin, Add	120.26	
	For Up To >10, Add	1,044.21	
	For >10 To 25, Add	627.23	
	For >25 To 50, Add	449.22	
	For >50 To 100, Add	224.61	
	For >500 To 1,000, Deduct	-80.77	
	For >1,000 To 2,000, Deduct	-122.47	
	For >2,000 To 5,000, Deduct	-201.20	
	For >5,000, Deduct	-333.59	
33 01 30 72-0297	LF 39mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,741.66	
	For Vinylster Resin, Add	1,137.09	
	For Epoxy Resin, Add	134.01	
	For Up To >10, Add	1,163.96	
	For >10 To 25, Add	699.23	
	For >25 To 50, Add	500.76	
	For >50 To 100, Add	250.38	
	For >500 To 1,000, Deduct	-90.01	
	For >1,000 To 2,000, Deduct	-136.49	
	For >2,000 To 5,000, Deduct	-224.24	
	For >5,000, Deduct	-371.78	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0298	LF	39mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,926.75	
		For Vinylster Resin, Add	1,253.78	
		For Epoxy Resin, Add	147.77	
		For Up To >10, Add	1,302.45	
		For >10 To 25, Add	786.86	
		For >25 To 50, Add	561.67	
		For >50 To 100, Add	280.83	
		For >500 To 1,000, Deduct	-99.73	
		For >1,000 To 2,000, Deduct	-151.29	
		For >2,000 To 5,000, Deduct	-248.84	
		For >5,000, Deduct	-412.48	
33 01 30 72-0299	LF	39mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,106.07	
		For Vinylster Resin, Add	1,370.47	
		For Epoxy Resin, Add	161.52	
		For Up To >10, Add	1,423.66	
		For >10 To 25, Add	860.08	
		For >25 To 50, Add	613.94	
		For >50 To 100, Add	306.97	
		For >500 To 1,000, Deduct	-109.01	
		For >1,000 To 2,000, Deduct	-165.37	
		For >2,000 To 5,000, Deduct	-272.00	
		For >5,000, Deduct	-450.86	
33 01 30 72-0300	LF	39mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,285.40	
		For Vinylster Resin, Add	1,487.17	
		For Epoxy Resin, Add	175.27	
		For Up To >10, Add	1,544.88	
		For >10 To 25, Add	933.31	
		For >25 To 50, Add	666.21	
		For >50 To 100, Add	333.11	
		For >500 To 1,000, Deduct	-118.29	
		For >1,000 To 2,000, Deduct	-179.45	
		For >2,000 To 5,000, Deduct	-295.16	
		For >5,000, Deduct	-489.25	
33 01 30 72-0301	LF	39mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,464.85	
		For Vinylster Resin, Add	1,603.87	
		For Epoxy Resin, Add	189.03	
		For Up To >10, Add	1,666.45	
		For >10 To 25, Add	1,006.84	
		For >25 To 50, Add	718.66	
		For >50 To 100, Add	359.33	
		For >500 To 1,000, Deduct	-127.58	
		For >1,000 To 2,000, Deduct	-193.54	
		For >2,000 To 5,000, Deduct	-318.35	
		For >5,000, Deduct	-527.69	
33 01 30 72-0302	LF	39mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,644.17	
		For Vinylster Resin, Add	1,720.56	
		For Epoxy Resin, Add	202.78	
		For Up To >10, Add	1,787.66	
		For >10 To 25, Add	1,080.06	
		For >25 To 50, Add	770.93	
		For >50 To 100, Add	385.47	
		For >500 To 1,000, Deduct	-136.86	
		For >1,000 To 2,000, Deduct	-207.62	
		For >2,000 To 5,000, Deduct	-341.51	
		For >5,000, Deduct	-566.08	
33 01 30 72-0303	LF	39mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,823.49	
		For Vinylster Resin, Add	1,837.26	
		For Epoxy Resin, Add	216.53	
		For Up To >10, Add	1,908.85	
		For >10 To 25, Add	1,153.26	
		For >25 To 50, Add	823.19	
		For >50 To 100, Add	411.60	
		For >500 To 1,000, Deduct	-146.15	
		For >1,000 To 2,000, Deduct	-221.70	
		For >2,000 To 5,000, Deduct	-364.67	
		For >5,000, Deduct	-604.47	
33 01 30 72-0304	LF	39mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,002.82	
		For Vinylster Resin, Add	1,953.95	
		For Epoxy Resin, Add	230.29	
		For Up To >10, Add	2,030.06	
		For >10 To 25, Add	1,226.49	
		For >25 To 50, Add	875.46	
		For >50 To 100, Add	437.73	
		For >500 To 1,000, Deduct	-155.43	
		For >1,000 To 2,000, Deduct	-235.78	
		For >2,000 To 5,000, Deduct	-387.83	
		For >5,000, Deduct	-642.86	
33 01 30 72-0305	LF	39mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,182.14	
		For Vinylster Resin, Add	2,070.64	
		For Epoxy Resin, Add	244.04	
		For Up To >10, Add	2,151.27	
		For >10 To 25, Add	1,299.72	
		For >25 To 50, Add	927.73	
		For >50 To 100, Add	463.87	
		For >500 To 1,000, Deduct	-164.71	
		For >1,000 To 2,000, Deduct	-249.86	
		For >2,000 To 5,000, Deduct	-410.99	
		For >5,000, Deduct	-681.24	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
33 01 30 72-0306	LF 39mm Lining 114" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	3,361.47	
	For Vinylster Resin, Add	2,187.34	
	For Epoxy Resin, Add	257.79	
	For Up To >10, Add	2,272.49	
	For >10 To 25, Add	1,372.94	
	For >25 To 50, Add	980.00	
	For >50 To 100, Add	490.00	
	For >500 To 1,000, Deduct	-173.99	
	For >1,000 To 2,000, Deduct	-263.95	
	For >2,000 To 5,000, Deduct	-434.15	
	For >5,000, Deduct	-719.63	
33 01 30 72-0307	LF 39mm Lining 120" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	3,540.80	
	For Vinylster Resin, Add	2,304.04	
	For Epoxy Resin, Add	271.55	
	For Up To >10, Add	2,393.70	
	For >10 To 25, Add	1,446.17	
	For >25 To 50, Add	1,032.28	
	For >50 To 100, Add	516.14	
	For >500 To 1,000, Deduct	-183.27	
	For >1,000 To 2,000, Deduct	-278.03	
	For >2,000 To 5,000, Deduct	-457.31	
	For >5,000, Deduct	-758.02	
<b>33 01 30 72-0308</b>	<b>40.5mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small></b>		
33 01 30 72-0309	LF 40.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,248.41	
	For Vinylster Resin, Add	816.08	
	For Epoxy Resin, Add	96.18	
	For Up To >10, Add	830.66	
	For >10 To 25, Add	497.91	
	For >25 To 50, Add	357.04	
	For >50 To 100, Add	178.52	
	For >500 To 1,000, Deduct	-64.49	
	For >1,000 To 2,000, Deduct	-97.76	
	For >2,000 To 5,000, Deduct	-160.54	
	For >5,000, Deduct	-266.20	
33 01 30 72-0310	LF 40.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,433.77	
	For Vinylster Resin, Add	937.26	
	For Epoxy Resin, Add	110.46	
	For Up To >10, Add	953.96	
	For >10 To 25, Add	571.81	
	For >25 To 50, Add	410.03	
	For >50 To 100, Add	205.02	
	For >500 To 1,000, Deduct	-74.06	
	For >1,000 To 2,000, Deduct	-112.27	
	For >2,000 To 5,000, Deduct	-184.38	
	For >5,000, Deduct	-305.72	
33 01 30 72-0311	LF 40.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,619.14	
	For Vinylster Resin, Add	1,058.44	
	For Epoxy Resin, Add	124.74	
	For Up To >10, Add	1,077.27	
	For >10 To 25, Add	645.72	
	For >25 To 50, Add	463.03	
	For >50 To 100, Add	231.52	
	For >500 To 1,000, Deduct	-83.63	
	For >1,000 To 2,000, Deduct	-126.79	
	For >2,000 To 5,000, Deduct	-208.22	
	For >5,000, Deduct	-345.24	
33 01 30 72-0312	LF 40.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,804.52	
	For Vinylster Resin, Add	1,179.63	
	For Epoxy Resin, Add	139.03	
	For Up To >10, Add	1,200.61	
	For >10 To 25, Add	719.65	
	For >25 To 50, Add	516.05	
	For >50 To 100, Add	258.02	
	For >500 To 1,000, Deduct	-93.21	
	For >1,000 To 2,000, Deduct	-141.31	
	For >2,000 To 5,000, Deduct	-232.06	
	For >5,000, Deduct	-384.77	
33 01 30 72-0313	LF 40.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	1,996.50	
	For Vinylster Resin, Add	1,300.81	
	For Epoxy Resin, Add	153.31	
	For Up To >10, Add	1,343.75	
	For >10 To 25, Add	810.08	
	For >25 To 50, Add	578.96	
	For >50 To 100, Add	289.48	
	For >500 To 1,000, Deduct	-103.28	
	For >1,000 To 2,000, Deduct	-156.65	
	For >2,000 To 5,000, Deduct	-257.55	
	For >5,000, Deduct	-426.94	
33 01 30 72-0314	LF 40.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) .....	2,182.49	
	For Vinylster Resin, Add	1,421.99	
	For Epoxy Resin, Add	167.59	
	For Up To >10, Add	1,468.92	
	For >10 To 25, Add	885.53	
	For >25 To 50, Add	632.89	
	For >50 To 100, Add	316.44	
	For >500 To 1,000, Deduct	-112.90	
	For >1,000 To 2,000, Deduct	-171.24	
	For >2,000 To 5,000, Deduct	-281.54	
	For >5,000, Deduct	-466.71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0315 LF 40.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,368.47	
For Vinylster Resin, Add	1,543.18	
For Epoxy Resin, Add	181.87	
For Up To >10, Add	1,594.06	
For >10 To 25, Add	960.96	
For >25 To 50, Add	686.80	
For >50 To 100, Add	343.40	
For >500 To 1,000, Deduct	-122.52	
For >1,000 To 2,000, Deduct	-185.83	
For >2,000 To 5,000, Deduct	-305.53	
For >5,000, Deduct	-506.48	
33 01 30 72-0316 LF 40.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,554.45	
For Vinylster Resin, Add	1,664.36	
For Epoxy Resin, Add	196.16	
For Up To >10, Add	1,719.20	
For >10 To 25, Add	1,036.39	
For >25 To 50, Add	740.72	
For >50 To 100, Add	370.36	
For >500 To 1,000, Deduct	-132.14	
For >1,000 To 2,000, Deduct	-200.42	
For >2,000 To 5,000, Deduct	-329.52	
For >5,000, Deduct	-546.25	
33 01 30 72-0317 LF 40.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,740.44	
For Vinylster Resin, Add	1,785.55	
For Epoxy Resin, Add	210.44	
For Up To >10, Add	1,844.37	
For >10 To 25, Add	1,111.85	
For >25 To 50, Add	794.65	
For >50 To 100, Add	397.32	
For >500 To 1,000, Deduct	-141.76	
For >1,000 To 2,000, Deduct	-215.02	
For >2,000 To 5,000, Deduct	-353.51	
For >5,000, Deduct	-586.02	
33 01 30 72-0318 LF 40.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,926.42	
For Vinylster Resin, Add	1,906.73	
For Epoxy Resin, Add	224.72	
For Up To >10, Add	1,969.51	
For >10 To 25, Add	1,187.28	
For >25 To 50, Add	848.56	
For >50 To 100, Add	424.28	
For >500 To 1,000, Deduct	-151.38	
For >1,000 To 2,000, Deduct	-229.61	
For >2,000 To 5,000, Deduct	-377.50	
For >5,000, Deduct	-625.79	
33 01 30 72-0319 LF 40.5mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,112.40	
For Vinylster Resin, Add	2,027.91	
For Epoxy Resin, Add	239.00	
For Up To >10, Add	2,094.68	
For >10 To 25, Add	1,262.73	
For >25 To 50, Add	902.49	
For >50 To 100, Add	451.24	
For >500 To 1,000, Deduct	-161.00	
For >1,000 To 2,000, Deduct	-244.20	
For >2,000 To 5,000, Deduct	-401.49	
For >5,000, Deduct	-665.56	
33 01 30 72-0320 LF 40.5mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,298.39	
For Vinylster Resin, Add	2,149.09	
For Epoxy Resin, Add	253.29	
For Up To >10, Add	2,219.85	
For >10 To 25, Add	1,338.18	
For >25 To 50, Add	956.42	
For >50 To 100, Add	478.21	
For >500 To 1,000, Deduct	-170.63	
For >1,000 To 2,000, Deduct	-258.79	
For >2,000 To 5,000, Deduct	-425.48	
For >5,000, Deduct	-705.33	
33 01 30 72-0321 LF 40.5mm Lining 114" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,484.36	
For Vinylster Resin, Add	2,270.28	
For Epoxy Resin, Add	267.57	
For Up To >10, Add	2,344.96	
For >10 To 25, Add	1,413.59	
For >25 To 50, Add	1,010.32	
For >50 To 100, Add	505.16	
For >500 To 1,000, Deduct	-180.25	
For >1,000 To 2,000, Deduct	-273.38	
For >2,000 To 5,000, Deduct	-449.47	
For >5,000, Deduct	-745.09	
33 01 30 72-0322 LF 40.5mm Lining 120" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,670.35	
For Vinylster Resin, Add	2,391.46	
For Epoxy Resin, Add	281.85	
For Up To >10, Add	2,470.13	
For >10 To 25, Add	1,489.04	
For >25 To 50, Add	1,064.24	
For >50 To 100, Add	532.12	
For >500 To 1,000, Deduct	-189.87	
For >1,000 To 2,000, Deduct	-287.98	
For >2,000 To 5,000, Deduct	-473.46	
For >5,000, Deduct	-784.87	

33 01 30 72-0323 42mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)

**33 Utilities**  
**33 01 Operation and Maintenance of Utilities**  
**33 01 30 Operation and Maintenance of Sewer Utilities**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 01 30 72-0324	LF 42mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,483.19	
	For Vinlyester Resin, Add	970.74	
	For Epoxy Resin, Add	114.41	
	For Up To >10, Add	982.65	
	For >10 To 25, Add	587.74	
	For >25 To 50, Add	421.98	
	For >50 To 100, Add	210.99	
	For >500 To 1,000, Deduct	-76.57	
	For >1,000 To 2,000, Deduct	-116.06	
	For >2,000 To 5,000, Deduct	-190.52	
	For >5,000, Deduct	-315.92	
33 01 30 72-0325	LF 42mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,675.22	
	For Vinlyester Resin, Add	1,096.41	
	For Epoxy Resin, Add	129.22	
	For Up To >10, Add	1,109.91	
	For >10 To 25, Add	663.88	
	For >25 To 50, Add	476.64	
	For >50 To 100, Add	238.32	
	For >500 To 1,000, Deduct	-86.48	
	For >1,000 To 2,000, Deduct	-131.09	
	For >2,000 To 5,000, Deduct	-215.19	
	For >5,000, Deduct	-356.83	
33 01 30 72-0326	LF 42mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,867.25	
	For Vinlyester Resin, Add	1,222.08	
	For Epoxy Resin, Add	144.03	
	For Up To >10, Add	1,237.18	
	For >10 To 25, Add	740.01	
	For >25 To 50, Add	531.30	
	For >50 To 100, Add	265.65	
	For >500 To 1,000, Deduct	-96.40	
	For >1,000 To 2,000, Deduct	-146.11	
	For >2,000 To 5,000, Deduct	-239.85	
	For >5,000, Deduct	-397.73	
33 01 30 72-0327	LF 42mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,066.01	
	For Vinlyester Resin, Add	1,347.75	
	For Epoxy Resin, Add	158.84	
	For Up To >10, Add	1,384.63	
	For >10 To 25, Add	832.97	
	For >25 To 50, Add	596.05	
	For >50 To 100, Add	298.02	
	For >500 To 1,000, Deduct	-106.82	
	For >1,000 To 2,000, Deduct	-161.98	
	For >2,000 To 5,000, Deduct	-266.21	
	For >5,000, Deduct	-441.33	
33 01 30 72-0328	LF 42mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,258.65	
	For Vinlyester Resin, Add	1,473.42	
	For Epoxy Resin, Add	173.65	
	For Up To >10, Add	1,513.73	
	For >10 To 25, Add	910.62	
	For >25 To 50, Add	651.62	
	For >50 To 100, Add	325.81	
	For >500 To 1,000, Deduct	-116.78	
	For >1,000 To 2,000, Deduct	-177.09	
	For >2,000 To 5,000, Deduct	-291.03	
	For >5,000, Deduct	-482.48	
33 01 30 72-0329	LF 42mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,451.29	
	For Vinlyester Resin, Add	1,599.09	
	For Epoxy Resin, Add	188.46	
	For Up To >10, Add	1,642.82	
	For >10 To 25, Add	988.28	
	For >25 To 50, Add	707.19	
	For >50 To 100, Add	353.59	
	For >500 To 1,000, Deduct	-126.74	
	For >1,000 To 2,000, Deduct	-192.19	
	For >2,000 To 5,000, Deduct	-315.85	
	For >5,000, Deduct	-523.63	
33 01 30 72-0330	LF 42mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,643.93	
	For Vinlyester Resin, Add	1,724.77	
	For Epoxy Resin, Add	203.28	
	For Up To >10, Add	1,771.92	
	For >10 To 25, Add	1,065.94	
	For >25 To 50, Add	762.76	
	For >50 To 100, Add	381.38	
	For >500 To 1,000, Deduct	-136.70	
	For >1,000 To 2,000, Deduct	-207.29	
	For >2,000 To 5,000, Deduct	-340.67	
	For >5,000, Deduct	-564.78	
33 01 30 72-0331	LF 42mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,836.57	
	For Vinlyester Resin, Add	1,850.44	
	For Epoxy Resin, Add	218.09	
	For Up To >10, Add	1,901.01	
	For >10 To 25, Add	1,143.60	
	For >25 To 50, Add	818.33	
	For >50 To 100, Add	409.17	
	For >500 To 1,000, Deduct	-146.66	
	For >1,000 To 2,000, Deduct	-222.40	
	For >2,000 To 5,000, Deduct	-365.49	
	For >5,000, Deduct	-605.93	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0332	LF	42mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,029.20	
		For Vinylster Resin, Add	1,976.11	
		For Epoxy Resin, Add	232.90	
		For Up To >10, Add	2,030.08	
		For >10 To 25, Add	1,221.23	
		For >25 To 50, Add	873.89	
		For >50 To 100, Add	436.94	
		For >500 To 1,000, Deduct	-156.61	
		For >1,000 To 2,000, Deduct	-237.50	
		For >2,000 To 5,000, Deduct	-390.31	
		For >5,000, Deduct	-647.08	
33 01 30 72-0333	LF	42mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,221.85	
		For Vinylster Resin, Add	2,101.78	
		For Epoxy Resin, Add	247.71	
		For Up To >10, Add	2,159.20	
		For >10 To 25, Add	1,298.91	
		For >25 To 50, Add	929.47	
		For >50 To 100, Add	464.74	
		For >500 To 1,000, Deduct	-166.58	
		For >1,000 To 2,000, Deduct	-252.60	
		For >2,000 To 5,000, Deduct	-415.13	
		For >5,000, Deduct	-688.23	
33 01 30 72-0334	LF	42mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,414.49	
		For Vinylster Resin, Add	2,227.45	
		For Epoxy Resin, Add	262.52	
		For Up To >10, Add	2,288.30	
		For >10 To 25, Add	1,376.57	
		For >25 To 50, Add	985.04	
		For >50 To 100, Add	492.52	
		For >500 To 1,000, Deduct	-176.54	
		For >1,000 To 2,000, Deduct	-267.71	
		For >2,000 To 5,000, Deduct	-439.95	
		For >5,000, Deduct	-729.38	
33 01 30 72-0335	LF	42mm Lining 114" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,607.13	
		For Vinylster Resin, Add	2,353.12	
		For Epoxy Resin, Add	277.33	
		For Up To >10, Add	2,417.39	
		For >10 To 25, Add	1,454.23	
		For >25 To 50, Add	1,040.62	
		For >50 To 100, Add	520.31	
		For >500 To 1,000, Deduct	-186.49	
		For >1,000 To 2,000, Deduct	-282.81	
		For >2,000 To 5,000, Deduct	-464.77	
		For >5,000, Deduct	-770.53	
33 01 30 72-0336	LF	42mm Lining 120" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,789.77	
		For Vinylster Resin, Add	2,478.80	
		For Epoxy Resin, Add	292.14	
		For Up To >10, Add	2,546.46	
		For >10 To 25, Add	1,531.86	
		For >25 To 50, Add	1,096.17	
		For >50 To 100, Add	548.09	
		For >500 To 1,000, Deduct	-196.45	
		For >1,000 To 2,000, Deduct	-297.91	
		For >2,000 To 5,000, Deduct	-489.59	
		For >5,000, Deduct	-811.68	
<b>33 01 30 74</b>		<b>Cured-in-Place Lateral Lining (33 01 30)</b>		
33 01 30 74-0001		Laterals; Cutting, Grouting And Reinstatement (33 01 30 74)		
33 01 30 74-0002		Lateral Reinstatement/Reconnection (33 01 30 74-0001)		
33 01 30 74-0003	EA	Cut Liner For Laterals, Up To 4" (Robotic).....	503.62	
33 01 30 74-0004	EA	Cut Liner For Laterals, 6" (Robotic) .....	544.45	
33 01 30 74-0005	EA	Cut Liner For Laterals, 8" (Robotic) .....	578.48	
33 01 30 74-0006	EA	Cut Liner For Laterals, 10" (Robotic) .....	612.52	
33 01 30 74-0007	EA	Cut Liner For Laterals, 12" (Robotic) .....	646.54	
33 01 30 74-0008		Grout Lateral Service (33 01 30 74-0001)		
33 01 30 74-0009		Grout Lateral Service - Bladder (33 01 30 74-0008)		
33 01 30 74-0010	EA	Grout Up To 4" Lateral Service - Bladder .....	534.04	
33 01 30 74-0011	EA	Grout 6" Lateral Service - Bladder .....	611.73	
33 01 30 74-0012	EA	Grout 8" Lateral Service - Bladder .....	689.40	
33 01 30 74-0013		Grout Lateral Service - Robotic Trowel Application (33 01 30 74-0008)		
33 01 30 74-0014	EA	Grout 3" To 6" Lateral Service - Robotic Trowel Application.....	580.17	
33 01 30 74-0015	EA	Grout 8" To 12" Lateral Service - Robotic Trowel Application.....	626.30	
33 01 30 74-0016		Lateral T-Liner (33 01 30 74-0001)		
		Note: As manufactured by LMK.		
33 01 30 74-0017	EA	Up To 4" Lateral T-Liner .....	698.63	
33 01 30 74-0018	EA	6" Lateral T-Liner .....	780.54	
33 01 30 74-0019	EA	8" Lateral T-Liner .....	905.15	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
33 01 30 74-0020	Lining Lateral Pipe <small>(33 01 30 74-0001)</small>		
33 01 30 74-0021	Lining Lateral Pipe <small>(33 01 30 74-0020)</small>		
33 01 30 74-0022	LF 6mm Lining 3" Lateral Pipe With Cured In-Place Pipe (CIPP) .....	31.11	
	For 7.5mm, Add	2.80	
	For 9 mm, Add	5.54	
33 01 30 74-0023	LF 6mm Lining 4" Lateral Pipe With Cured In-Place Pipe (CIPP) .....	36.31	
	For 7.5mm, Add	3.82	
	For 9 mm, Add	7.55	
33 01 30 74-0024	LF 6mm Lining 6" Lateral Pipe With Cured In-Place Pipe (CIPP) .....	45.77	
	For 7.5mm, Add	5.84	
	For 9 mm, Add	11.56	
33 01 30 74-0025	Lining Manhole Drop <small>(33 01 30 74-0020)</small>		
33 01 30 74-0026	EA Manhole Drop Section Lining.....	748.79	
<b>33 01 30 79</b>	<b>Fold-and-Form Pipe Lining <small>(33 01 30)</small></b>		
33 01 30 79-0001	Form and Fold Relining Underground Pipelines <small>(33 01 30 79)</small>		
	Note: Excludes CCTV inspection and sewer cleaning. See CSI section 33 01 30 11-0000 for CCTV inspection, 33 01 30 41-0002 for sewer cleaning.		
33 01 30 79-0002	Fold-And-Form Relining Underground Pipelines Set-Up And Reinsertion <small>(33 01 30 79-0001)</small>		
33 01 30 79-0003	EA Initial Set Up And Final Equipment Removal For Fold-And-Form Relining Underground Pipelines.....	4,900.73	
33 01 30 79-0004	EA Move And Reset Up At Different Access/Location For Fold-And-Form Relining Underground Pipelines .....	1,960.29	
33 01 30 79-0005	Form And Fold Polyethylene (PE) Pipeliner <small>(33 01 30 79-0001)</small>		
33 01 30 79-0006	LF 4" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5 .....	32.19	
	For DR 26 Pipe Liner, Add	5.42	
	For Up To 75, Add	20.09	
	For >75 To 150, Add	10.04	
	For >500 To 1,000, Deduct	-0.79	
	For >1,000 To 2,000, Deduct	-1.58	
	For >2,000, Deduct	-3.15	
33 01 30 79-0007	LF 6" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5 .....	40.78	
	For DR 26 Pipe Liner, Add	7.37	
	For DR 35 Pipe Liner, Deduct	-3.68	
	For Up To 75, Add	22.86	
	For >75 To 150, Add	11.43	
	For >500 To 1,000, Deduct	-0.85	
	For >1,000 To 2,000, Deduct	-1.70	
	For >2,000, Deduct	-3.39	
33 01 30 79-0008	LF 8" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5 .....	42.27	
	For DR 26 Pipe Liner, Add	7.51	
	For DR 35 Pipe Liner, Deduct	-3.75	
	For Up To 75, Add	24.38	
	For >75 To 150, Add	12.19	
	For >500 To 1,000, Deduct	-0.92	
	For >1,000 To 2,000, Deduct	-1.84	
	For >2,000, Deduct	-3.68	
33 01 30 79-0009	LF 10" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5 .....	58.39	
	For DR 26 Pipe Liner, Add	11.26	
	For DR 35 Pipe Liner, Deduct	-5.63	
	For DR 41 Pipe Liner, Deduct	-11.26	
	For Up To 75, Add	29.06	
	For >75 To 150, Add	14.53	
	For >500 To 1,000, Deduct	-1.00	
	For >1,000 To 2,000, Deduct	-2.01	
	For >2,000, Deduct	-4.01	
33 01 30 79-0010	LF 12" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5 .....	80.60	
	For DR 26 Pipe Liner, Add	16.48	
	For DR 35 Pipe Liner, Deduct	-8.24	
	For DR 41 Pipe Liner, Deduct	-16.48	
	For Up To 75, Add	35.23	
	For >75 To 150, Add	17.62	
	For >500 To 1,000, Deduct	-1.10	
	For >1,000 To 2,000, Deduct	-2.21	
	For >2,000, Deduct	-4.41	
33 01 30 79-0011	LF 15" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5 .....	109.47	
	For DR 35 Pipe Liner, Deduct	-11.60	
	For DR 41 Pipe Liner, Deduct	-23.19	
	For Up To 75, Add	43.60	
	For >75 To 150, Add	21.80	
	For >500 To 1,000, Deduct	-1.25	
	For >1,000 To 2,000, Deduct	-2.51	
	For >2,000, Deduct	-5.01	
33 01 30 79-0012	LF 18" Diameter Form and Fold Polyethylene Pipeliner, DR 35 .....	153.37	
	For DR 41 Pipe Liner, Deduct	-13.45	
	For DR 50 Pipe Liner, Deduct	-26.90	
	For Up To 75, Add	55.18	
	For >75 To 150, Add	27.59	
	For >500 To 1,000, Deduct	-1.41	
	For >1,000 To 2,000, Deduct	-2.83	
	For >2,000, Deduct	-5.66	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0013 LF 21" Diameter Form and Fold Polyethylene Pipeliner, DR 47 .....	173.22	
For DR 50 Pipe Liner, Deduct	-22.92	
For DR 55 Pipe Liner, Deduct	-38.20	
For Up To 75, Add	61.19	
For >75 To 150, Add	30.60	
For >500 To 1,000, Deduct	-1.53	
For >1,000 To 2,000, Deduct	-3.06	
For >2,000, Deduct	-6.13	
33 01 30 79-0014 LF 24" Diameter Form and Fold Polyethylene Pipeliner, DR 55 .....	210.55	
For DR 60 Pipe Liner, Deduct	-28.24	
For Up To 75, Add	71.06	
For >75 To 150, Add	35.53	
For >500 To 1,000, Deduct	-1.67	
For >1,000 To 2,000, Deduct	-3.34	
For >2,000, Deduct	-6.68	
<b>33 01 30 79-0015 Form And Fold Polyvinyl Chloride (PVC) Pipeliner (33 01 30 79-0001)</b>		
33 01 30 79-0016 LF 4" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5 .....	34.24	
For Up To 75, Add	20.50	
For >75 To 150, Add	10.25	
For >500 To 1,000, Deduct	-0.79	
For >1,000 To 2,000, Deduct	-1.58	
For >2,000, Deduct	-3.15	
For DR 26 Pipe Liner, Add	5.94	
33 01 30 79-0017 LF 6" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5 .....	40.78	
For Up To 75, Add	22.86	
For >75 To 150, Add	11.43	
For >500 To 1,000, Deduct	-0.85	
For >1,000 To 2,000, Deduct	-1.70	
For >2,000, Deduct	-3.39	
For DR 26 Pipe Liner, Add	7.37	
For DR 35 Pipe Liner, Deduct	-3.68	
33 01 30 79-0018 LF 8" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5 .....	44.99	
For Up To 75, Add	24.92	
For >75 To 150, Add	12.46	
For >500 To 1,000, Deduct	-0.92	
For >1,000 To 2,000, Deduct	-1.84	
For >2,000, Deduct	-3.68	
For DR 26 Pipe Liner, Add	8.19	
For DR 35 Pipe Liner, Deduct	-4.09	
33 01 30 79-0019 LF 10" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5 .....	62.49	
For Up To 75, Add	29.88	
For >75 To 150, Add	14.94	
For >500 To 1,000, Deduct	-1.00	
For >1,000 To 2,000, Deduct	-2.01	
For >2,000, Deduct	-4.01	
For DR 26 Pipe Liner, Add	12.28	
For DR 35 Pipe Liner, Deduct	-6.14	
For DR 41 Pipe Liner, Deduct	-12.28	
33 01 30 79-0020 LF 12" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5 .....	86.74	
For Up To 75, Add	36.46	
For >75 To 150, Add	18.23	
For >500 To 1,000, Deduct	-1.10	
For >1,000 To 2,000, Deduct	-2.21	
For >2,000, Deduct	-4.41	
For DR 26 Pipe Liner, Add	18.01	
For DR 35 Pipe Liner, Deduct	-9.01	
For DR 41 Pipe Liner, Deduct	-18.01	
33 01 30 79-0021 LF 15" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5 .....	118.21	
For Up To 75, Add	45.35	
For >75 To 150, Add	22.68	
For >500 To 1,000, Deduct	-1.25	
For >1,000 To 2,000, Deduct	-2.51	
For >2,000, Deduct	-5.01	
For DR 35 Pipe Liner, Deduct	-12.69	
For DR 41 Pipe Liner, Deduct	-25.38	
33 01 30 79-0022 LF 18" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 35 .....	166.20	
For Up To 75, Add	57.75	
For >75 To 150, Add	28.87	
For >500 To 1,000, Deduct	-1.41	
For >1,000 To 2,000, Deduct	-2.83	
For >2,000, Deduct	-5.66	
For DR 41 Pipe Liner, Deduct	-14.74	
For DR 50 Pipe Liner, Deduct	-29.47	
33 01 30 79-0023 LF 21" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 47 .....	187.41	
For Up To 75, Add	64.03	
For >75 To 150, Add	32.01	
For >500 To 1,000, Deduct	-1.53	
For >1,000 To 2,000, Deduct	-3.06	
For >2,000, Deduct	-6.13	
For DR 50 Pipe Liner, Deduct	-25.05	
For DR 55 Pipe Liner, Deduct	-41.75	
33 01 30 79-0024 LF 24" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 55 .....	228.56	
For Up To 75, Add	74.66	
For >75 To 150, Add	37.33	
For >500 To 1,000, Deduct	-1.67	
For >1,000 To 2,000, Deduct	-3.34	
For >2,000, Deduct	-6.68	
For DR 60 Pipe Liner, Deduct	-30.94	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST
**33 01 30 81 Manhole Rehabilitation (33 01 30)****33 01 30 81-0001 Restoration And Rehabilitation Of Manholes (33 01 30 81)**

Note: Work is in confined spaces.

**33 01 30 81-0002 Inspection And Ventilation System Set-up (33 01 30 81-0001)**

33 01 30 81-0003	EA	Inspect Manhole.....	172.48	
33 01 30 81-0004	EA	36" to 60" Diameter, Up To 2600', Installation And Maintenance Of Ventilation System .....	12,280.95	
		Note: For internal inspection and repair of water mains.		
33 01 30 81-0005	EA	>60" to 108" Diameter, Up To 2600', Installation And Maintenance Of Ventilation System .....	17,381.00	
		Note: For internal inspection and repair of water mains		

**33 01 30 81-0006 Manhole Seals (33 01 30 81-0001)****33 01 30 81-0007 Internal Manhole Chimney Seals (33 01 30 81-0006)**

Note: Cretex.

33 01 30 81-0008	EA	20" Internal Manhole Chimney Seal.....	499.71	
33 01 30 81-0009	EA	22" Internal Manhole Chimney Seal.....	526.73	
33 01 30 81-0010	EA	24" Internal Manhole Chimney Seal.....	540.23	
33 01 30 81-0011	EA	26" Internal Manhole Chimney Seal.....	621.28	
33 01 30 81-0012	EA	28" Internal Manhole Chimney Seal.....	702.31	
33 01 30 81-0013	EA	30" Internal Manhole Chimney Seal.....	783.35	
33 01 30 81-0014	EA	36" Internal Manhole Chimney Seal.....	945.41	

**33 01 30 81-0015 External Manhole Encapsulation (33 01 30 81-0006)**

Note: Wrapidseal.

33 01 30 81-0016	EA	24" External Manhole Encapsulation .....	729.31	
33 01 30 81-0017	EA	30" External Manhole Encapsulation .....	769.84	
33 01 30 81-0018	EA	36" External Manhole Encapsulation .....	823.86	
33 01 30 81-0019	EA	42" External Manhole Encapsulation .....	891.40	
33 01 30 81-0020	EA	48" External Manhole Encapsulation .....	985.93	
33 01 30 81-0021	EA	54" External Manhole Encapsulation .....	1,093.98	
33 01 30 81-0022	EA	60" External Manhole Encapsulation .....	1,229.05	

**33 01 30 81-0023 Manhole Crack Repair (33 01 30 81-0001)**

Note: Includes removing loose materials and cleaning.

33 01 30 81-0024	LF	Up To 1/4" Wide, Epoxy Grout Injection, Manhole Crack Repair .....	50.73	
33 01 30 81-0025	LF	>1/4" To 1/2" Wide, Epoxy Grout Injection, Manhole Crack Repair .....	68.28	
33 01 30 81-0026	LF	Up To 1/4" Wide, Urethane Grout Injection, Manhole Crack Repair .....	47.65	
33 01 30 81-0027	LF	>1/4" To 1/2" Wide, Urethane Grout Injection, Manhole Crack Repair.....	64.57	

**33 01 30 81-0028 Manhole Patching (33 01 30 81-0001)**

Note: Includes removing loose materials and cleaning.

33 01 30 81-0029	SF	Up To 1/4" Thick, Cementitious Grout, Manhole Patching.....	16.03	
33 01 30 81-0030	SF	Up To 1/4" Thick, Epoxy Grout, Manhole Patching.....	35.06	

**33 01 30 81-0031 Manhole Joint Restoration (33 01 30 81-0001)**

Note: Includes drilling holes at joints, fill joints with grout.

33 01 30 81-0032	EA	3' Diameter Joint Restoration, Grout Fill Per Each Manhole .....	2,017.94	
		Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
		<i>For Grouting Each Additional Manhole Joint Section, Add</i>	218.61	
33 01 30 81-0033	EA	3-1/2' Diameter Joint Restoration, Grout Fill Per Each Manhole.....	2,355.65	
		Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
		<i>For Grouting Each Additional Manhole Joint Section, Add</i>	242.55	
33 01 30 81-0034	EA	4' Diameter Joint Restoration, Grout Fill Per Each Manhole .....	2,690.59	
		Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
		<i>For Grouting Each Additional Manhole Joint Section, Add</i>	266.48	
33 01 30 81-0035	EA	5' Diameter Joint Restoration, Grout Fill Per Each Manhole .....	3,185.10	
		Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
		<i>For Grouting Each Additional Manhole Joint Section, Add</i>	278.45	
33 01 30 81-0036	EA	6' Diameter Joint Restoration, Grout Fill Per Each Manhole .....	3,678.24	
		Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
		<i>For Grouting Each Additional Manhole Joint Section, Add</i>	290.42	

**33 01 30 81-0037 Step Installation In Existing Manholes (33 01 30 81-0001)**

Note: Including drilling in existing concrete manhole, step and grout. Demolition cost includes removal of old step and patching holes.

33 01 30 81-0038	EA	Drill And Grout 8" x 9" Cast Iron Manhole Steps.....	148.04	20.32
33 01 30 81-0039	EA	Drill And Grout Galvanized Steel Manhole Step .....	105.82	20.32
33 01 30 81-0040	EA	Bolt On Galvanized Steel Manhole Step.....	120.10	20.32
33 01 30 81-0041	EA	Drill And Grout Aluminum Manhole Step .....	114.55	20.32
33 01 30 81-0042	EA	Drill And Insert Polypropylene Manhole Step.....	61.01	16.26

**33 01 30 81-0043 Invert Restoration (33 01 30 81-0001)**

Note: Includes removal of existing defective material and installation of new material.

**33 01 30 81-0044 Concrete Invert Restoration (33 01 30 81-0043)**

33 01 30 81-0045	EA	2' Diameter, Concrete Invert Restoration.....	345.89	
33 01 30 81-0046	EA	3' Diameter, Concrete Invert Restoration.....	389.01	
33 01 30 81-0047	EA	4' Diameter, Concrete Invert Restoration.....	432.13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 01 30 81-0048	EA		5' Diameter, Concrete Invert Restoration.....	475.25	
33 01 30 81-0049	EA		6' Diameter, Concrete Invert Restoration.....	604.61	
33 01 30 81-0050	SF		Square Or Rectangular, Concrete Invert Restoration.....	34.36	

**33 01 30 81-0051 Brick Invert Restoration (33 01 30 81-0043)**

33 01 30 81-0052	EA		2' Diameter, Brick Invert Restoration.....	548.06	
33 01 30 81-0053	EA		3' Diameter, Brick Invert Restoration.....	591.18	
33 01 30 81-0054	EA		4' Diameter, Brick Invert Restoration.....	634.30	
33 01 30 81-0055	EA		5' Diameter, Brick Invert Restoration.....	677.42	
33 01 30 81-0056	EA		6' Diameter, Brick Invert Restoration.....	720.53	
33 01 30 81-0057	SF		Square Or Rectangular, Brick Invert Restoration.....	48.10	

**33 01 30 81-0058 Repair In-Kind Of Drainage Structures (33 01 30 81)**

Note: For brick, concrete or concrete block catch basins, inlets, manholes, and other drainage structures. Includes replacing bricks or concrete blocks, concrete repair, sealing and repairing joints, excavation, backfilling, pavement removal, restoration of pavement and all tasks to perform interior and/or exterior repair in-kind. Sizes are inside dimensions. For other sizes, use closest size.

33 01 30 81-0059	VLF		2' Diameter, Repair In-Kind Drainage Structure.....	669.35	
33 01 30 81-0060	VLF		3' Diameter, Repair In-Kind Drainage Structure.....	1,004.03	
33 01 30 81-0061	VLF		4' Diameter, Repair In-Kind Drainage Structure.....	1,338.80	
33 01 30 81-0062	VLF		5' Diameter, Repair In-Kind Drainage Structure.....	1,673.38	
33 01 30 81-0063	VLF		6' Diameter, Repair In-Kind Drainage Structure.....	2,008.07	
33 01 30 81-0064	VLF		2' x 2', Repair In-Kind Drainage Structure.....	852.68	
33 01 30 81-0065	VLF		2' x 3', Repair In-Kind Drainage Structure.....	1,065.85	
33 01 30 81-0066	VLF		2' x 4', Repair In-Kind Drainage Structure.....	1,279.02	
33 01 30 81-0067	VLF		3' x 4', Repair In-Kind Drainage Structure.....	1,492.19	
33 01 30 81-0068	VLF		4' x 4', Repair In-Kind Drainage Structure.....	1,705.36	
33 01 30 81-0069	VLF		4' x 5', Repair In-Kind Drainage Structure.....	1,918.53	
33 01 30 81-0070	VLF		4' x 6', Repair In-Kind Drainage Structure.....	2,131.70	
33 01 30 81-0071	VLF		4' x 8', Repair In-Kind Drainage Structure.....	2,558.05	
33 01 30 81-0072	VLF		>32 GSF, Repair In-Kind Drainage Structure.....	2,984.39	

**33 01 30 82 Epoxy Lining for Concrete Manholes (33 01 30)**
**33 01 30 82-0001 Epoxy Manhole Restoration, Interior (33 01 30 82)**

33 01 30 82-0002	VLF		60 Mil Epoxy Restoration Of 3' Diameter Manhole Interior.....	318.85	
			<i>For 80 Mil Material, Add</i>	36.72	
			<i>For 100 Mil Material, Add</i>	73.44	
			<i>For 125 Mil Material, Add</i>	114.30	
			<i>For 150 Mil Material, Add</i>	155.15	
			<i>For 200 Mil Material, Add</i>	223.39	
			<i>For 2 To 5 Manholes, Deduct</i>	-22.67	
			<i>For 6 To 10 Manholes, Deduct</i>	-37.38	
			<i>For &gt;10 Manholes, Deduct</i>	-74.75	
33 01 30 82-0003	VLF		60 Mil Epoxy Restoration Of 3-1/2' Diameter Manhole Interior.....	386.99	
			<i>For 80 Mil Material, Add</i>	43.98	
			<i>For 100 Mil Material, Add</i>	87.96	
			<i>For 125 Mil Material, Add</i>	136.76	
			<i>For 150 Mil Material, Add</i>	185.57	
			<i>For 200 Mil Material, Add</i>	266.72	
			<i>For 2 To 5 Manholes, Deduct</i>	-27.58	
			<i>For 6 To 10 Manholes, Deduct</i>	-45.48	
			<i>For &gt;10 Manholes, Deduct</i>	-90.96	
33 01 30 82-0004	VLF		60 Mil Epoxy Restoration Of 4' Diameter Manhole Interior.....	425.13	
			<i>For 80 Mil Material, Add</i>	48.96	
			<i>For 100 Mil Material, Add</i>	97.92	
			<i>For 125 Mil Material, Add</i>	152.39	
			<i>For 150 Mil Material, Add</i>	206.86	
			<i>For 200 Mil Material, Add</i>	297.85	
			<i>For 2 To 5 Manholes, Deduct</i>	-30.23	
			<i>For 6 To 10 Manholes, Deduct</i>	-49.84	
			<i>For &gt;10 Manholes, Deduct</i>	-99.67	
33 01 30 82-0005	VLF		60 Mil Epoxy Restoration Of 5' Diameter Manhole Interior.....	531.46	
			<i>For 80 Mil Material, Add</i>	61.22	
			<i>For 100 Mil Material, Add</i>	122.44	
			<i>For 125 Mil Material, Add</i>	190.55	
			<i>For 150 Mil Material, Add</i>	258.65	
			<i>For 200 Mil Material, Add</i>	372.43	
			<i>For 2 To 5 Manholes, Deduct</i>	-37.79	
			<i>For 6 To 10 Manholes, Deduct</i>	-62.30	
			<i>For &gt;10 Manholes, Deduct</i>	-124.60	
33 01 30 82-0006	VLF		60 Mil Epoxy Restoration Of 6' Diameter Manhole Interior.....	637.73	
			<i>For 80 Mil Material, Add</i>	73.46	
			<i>For 100 Mil Material, Add</i>	146.91	
			<i>For 125 Mil Material, Add</i>	228.64	
			<i>For 150 Mil Material, Add</i>	310.36	
			<i>For 200 Mil Material, Add</i>	446.88	
			<i>For 2 To 5 Manholes, Deduct</i>	-45.35	
			<i>For 6 To 10 Manholes, Deduct</i>	-74.76	
			<i>For &gt;10 Manholes, Deduct</i>	-149.51	

**33 01 30 83 Lining for Concrete Manholes (33 01 30)**
**33 01 30 83-0001 Manhole Lining (33 01 30 83)**

Note: Includes power washing and cleaning of manhole interiors.

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

<b>33 01 30 83-0002</b>	<b>Cementitious Manhole Restoration, Interior</b> <small>(33 01 30 83-0001)</small>		
33 01 30 83-0003	VLF 1/2" Cementitious Restoration On 3' Diameter Manhole Interior.....	140.21	
	<i>For Each Additional 1/2" Thick Material, Add</i>	35.24	
	<i>For 2 To 5 Manholes, Deduct</i>	-9.85	
	<i>For 6 To 10 Manholes, Deduct</i>	-16.20	
	<i>For &gt;10 Manholes, Deduct</i>	-32.40	
33 01 30 83-0004	VLF 1/2" Cementitious Restoration On 3-1/2' Diameter Manhole Interior.....	162.58	
	<i>For Each Additional 1/2" Thick Material, Add</i>	41.01	
	<i>For 2 To 5 Manholes, Deduct</i>	-11.42	
	<i>For 6 To 10 Manholes, Deduct</i>	-18.78	
	<i>For &gt;10 Manholes, Deduct</i>	-37.55	
33 01 30 83-0005	VLF 1/2" Cementitious Restoration On 4' Diameter Manhole Interior.....	184.96	
	<i>For Each Additional 1/2" Thick Material, Add</i>	46.78	
	<i>For 2 To 5 Manholes, Deduct</i>	-12.99	
	<i>For 6 To 10 Manholes, Deduct</i>	-21.35	
	<i>For &gt;10 Manholes, Deduct</i>	-42.70	
33 01 30 83-0006	VLF 1/2" Cementitious Restoration On 5' Diameter Manhole Interior.....	217.95	
	<i>For Each Additional 1/2" Thick Material, Add</i>	57.33	
	<i>For 2 To 5 Manholes, Deduct</i>	-15.24	
	<i>For 6 To 10 Manholes, Deduct</i>	-25.02	
	<i>For &gt;10 Manholes, Deduct</i>	-50.05	
33 01 30 83-0007	VLF 1/2" Cementitious Restoration On 6' Diameter Manhole Interior.....	238.54	
	<i>For Each Additional 1/2" Thick Material, Add</i>	66.29	
	<i>For 2 To 5 Manholes, Deduct</i>	-16.56	
	<i>For 6 To 10 Manholes, Deduct</i>	-27.17	
	<i>For &gt;10 Manholes, Deduct</i>	-54.33	
<b>33 01 30 83-0008</b>	<b>Polyurethane Manhole Restoration, Interior</b> <small>(33 01 30 83-0001)</small>		
33 01 30 83-0009	VLF 60 Mil Polyurethane Restoration Of 3' Diameter Manhole Interior .....	286.60	
	<i>For 80 Mil Material, Add</i>	25.97	
	<i>For 100 Mil Material, Add</i>	51.94	
	<i>For 125 Mil Material, Add</i>	79.36	
	<i>For 150 Mil Material, Add</i>	106.78	
	<i>For 200 Mil Material, Add</i>	148.14	
	<i>For 2 To 5 Manholes, Deduct</i>	-21.06	
	<i>For 6 To 10 Manholes, Deduct</i>	-34.96	
	<i>For &gt;10 Manholes, Deduct</i>	-69.92	
33 01 30 83-0010	VLF 60 Mil Polyurethane Restoration Of 3-1/2' Diameter Manhole Interior .....	349.31	
	<i>For 80 Mil Material, Add</i>	31.42	
	<i>For 100 Mil Material, Add</i>	62.84	
	<i>For 125 Mil Material, Add</i>	95.94	
	<i>For 150 Mil Material, Add</i>	129.05	
	<i>For 200 Mil Material, Add</i>	178.80	
	<i>For 2 To 5 Manholes, Deduct</i>	-25.69	
	<i>For 6 To 10 Manholes, Deduct</i>	-42.65	
	<i>For &gt;10 Manholes, Deduct</i>	-85.31	
33 01 30 83-0011	VLF 60 Mil Polyurethane Restoration Of 4' Diameter Manhole Interior .....	382.13	
	<i>For 80 Mil Material, Add</i>	34.63	
	<i>For 100 Mil Material, Add</i>	69.25	
	<i>For 125 Mil Material, Add</i>	105.81	
	<i>For 150 Mil Material, Add</i>	142.36	
	<i>For 200 Mil Material, Add</i>	197.51	
	<i>For 2 To 5 Manholes, Deduct</i>	-28.08	
	<i>For 6 To 10 Manholes, Deduct</i>	-46.61	
	<i>For &gt;10 Manholes, Deduct</i>	-93.22	
33 01 30 83-0012	VLF 60 Mil Polyurethane Restoration Of 5' Diameter Manhole Interior .....	477.66	
	<i>For 80 Mil Material, Add</i>	43.29	
	<i>For 100 Mil Material, Add</i>	86.57	
	<i>For 125 Mil Material, Add</i>	132.26	
	<i>For 150 Mil Material, Add</i>	177.95	
	<i>For 200 Mil Material, Add</i>	246.90	
	<i>For 2 To 5 Manholes, Deduct</i>	-35.10	
	<i>For 6 To 10 Manholes, Deduct</i>	-58.26	
	<i>For &gt;10 Manholes, Deduct</i>	-116.53	
33 01 30 83-0013	VLF 60 Mil Polyurethane Restoration Of 6' Diameter Manhole Interior .....	573.18	
	<i>For 80 Mil Material, Add</i>	51.94	
	<i>For 100 Mil Material, Add</i>	103.88	
	<i>For 125 Mil Material, Add</i>	158.71	
	<i>For 150 Mil Material, Add</i>	213.53	
	<i>For 200 Mil Material, Add</i>	296.26	
	<i>For 2 To 5 Manholes, Deduct</i>	-42.12	
	<i>For 6 To 10 Manholes, Deduct</i>	-69.92	
	<i>For &gt;10 Manholes, Deduct</i>	-139.83	
<b>33 01 30 83-0014</b>	<b>Multiplexx™ PVCP Cured-In-Place (CIP) Lining Manhole Restoration,</b> <b>Interior</b> <small>(33 01 30 83-0001)</small>		
33 01 30 83-0015	VLF 3' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole .....	476.19	
	<i>For 2 To 5 Manholes, Deduct</i>	-27.94	
	<i>For 6 To 10 Manholes, Deduct</i>	-43.98	
	<i>For &gt;10 Manholes, Deduct</i>	-87.97	
33 01 30 83-0016	VLF 3-1/2' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole.....	583.12	
	<i>For 2 To 5 Manholes, Deduct</i>	-34.21	
	<i>For 6 To 10 Manholes, Deduct</i>	-53.84	
	<i>For &gt;10 Manholes, Deduct</i>	-107.68	

MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

33 01 30 83-0017	VLF 4' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole.....	685.46
	For 2 To 5 Manholes, Deduct	-39.79
	For 6 To 10 Manholes, Deduct	-62.44
	For >10 Manholes, Deduct	-124.87
33 01 30 83-0018	VLF 5' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole.....	859.51
	For 2 To 5 Manholes, Deduct	-49.87
	For 6 To 10 Manholes, Deduct	-78.25
	For >10 Manholes, Deduct	-156.49
33 01 30 83-0019	VLF 6' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole.....	1,033.58
	For 2 To 5 Manholes, Deduct	-59.95
	For 6 To 10 Manholes, Deduct	-94.06
	For >10 Manholes, Deduct	-188.12

### 33 01 30 86 Manhole Rim Adjustment (33 01 30)

33 01 30 86-0001	Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Risers (33 01 30 86)	
33 01 30 86-0002	Up To 6" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Risers (33 01 30 86-0001)	
33 01 30 86-0003	EA Up To 2" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	335.85
33 01 30 86-0004	EA >2" To 3" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	377.38
33 01 30 86-0005	EA >3" To 4" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	415.20
33 01 30 86-0006	EA >4" To 5" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	458.03
33 01 30 86-0007	EA >5" To 6" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	492.96

### 33 01 30 86-0008 Up To 6" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser (33 01 30 86-0001)

33 01 30 86-0009	EA Up To 2" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	393.66
33 01 30 86-0010	EA >2 To 3" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	428.94
33 01 30 86-0011	EA >3" To 4" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	473.22
33 01 30 86-0012	EA >4" To 5" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	516.03
33 01 30 86-0013	EA >5" To 6" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	557.39

### 33 01 30 86-0014 >6" To 12" Rise, >32-1/2" To 36" Diameter, Solid, Cast Iron, Manhole Cover Risers (33 01 30 86-0001)

33 01 30 86-0015	EA >6" To 6-1/2" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	550.20
33 01 30 86-0016	EA 7" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	598.19
33 01 30 86-0017	EA 7-1/2" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	646.99
33 01 30 86-0018	EA 8" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	686.03
33 01 30 86-0019	EA 9" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	745.26
33 01 30 86-0020	EA 10" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	799.21
33 01 30 86-0021	EA 11" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	852.12
33 01 30 86-0022	EA 12" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	906.21

### 33 01 30 86-0023 >12" Rise, Solid Manhole Risers (33 01 30 86)

33 01 30 86-0024	Precast Concrete Manhole Riser (33 01 30 86-0023)	
33 01 30 86-0025	VLF Up To 26" Diameter Precast Concrete Manhole Riser	106.05
33 01 30 86-0026	VLF >26" To 36" Diameter Precast Concrete Manhole Riser	126.64
33 01 30 86-0027	VLF >36" To 48" Diameter Precast Concrete Manhole Riser	175.69
33 01 30 86-0028	VLF >48" To 60" Diameter Precast Concrete Manhole Riser	360.79
33 01 30 86-0029	VLF >60" To 72" Diameter Precast Concrete Manhole Riser	528.06

## 33 05 Common Work Results for Utilities (33)

### 33 05 07 Trenchless Installation of Utility Piping (33 05)

#### 33 05 07 13 Utility Directional Drilling (33 05 07)

##### 33 05 07 13-0001 Horizontal Augering (33 05 07 13)

Note: Excludes starting or receiving pits, dewatering, cost of casing pipe or spoils removal.

33 05 07 13-0002	LF Up To 2" Diameter Horizontal Hand Augering	23.57
33 05 07 13-0003	LF 3" Diameter Horizontal Hand Augering	28.44
33 05 07 13-0004	LF 4" Diameter Horizontal Hand Augering	39.02
33 05 07 13-0005	LF 6" Diameter Horizontal Hand Augering	50.39
33 05 07 13-0006	LF 8" Diameter Horizontal Augering	92.43
33 05 07 13-0007	LF 10" Diameter Horizontal Augering	134.84
33 05 07 13-0008	LF 12" Diameter Horizontal Augering	162.02
33 05 07 13-0009	LF 16" Diameter Horizontal Augering	193.55
33 05 07 13-0010	LF 20" Diameter Horizontal Augering	334.91
33 05 07 13-0011	LF 24" Diameter Horizontal Augering	420.27
33 05 07 13-0012	LF 30" Diameter Horizontal Augering	518.38
33 05 07 13-0013	LF 36" Diameter Horizontal Augering	592.26
33 05 07 13-0014	LF 42" Diameter Horizontal Augering	769.58
33 05 07 13-0015	LF 48" Diameter Horizontal Augering	829.24
33 05 07 13-0016	LF 54" Diameter Horizontal Augering	901.84
33 05 07 13-0017	LF 60" Diameter Horizontal Augering	945.48
33 05 07 13-0018	EA 8" To 20" Horizontal Augering Minimum Set-up Charge	3,914.60

Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.

**33 Utilities**

**33 05 Common Work Results for Utilities**

**33 05 07 Trenchless Installation of Utility Piping**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 07	13-0019	EA	>20" To 36" Horizontal Augering Minimum Set-up Charge ..... Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	5,329.14	
33 05 07	13-0020	EA	>36" Horizontal Augering Minimum Set-up Charge ..... Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	7,856.33	
<b>33 05 07 13-0021 Horizontal Directional Boring <small>(33 05 07 13)</small></b>					
Note: Excludes receiving pits or dewatering or cost of casing pipe.					
33 05 07	13-0022	LF	Up To 1-1/2" Diameter Directional Boring For Horizontal Pipe, Underground..... <i>For Horizontal Boring Through Rock, Add</i>	12.80 8.96	
33 05 07	13-0023	LF	2" Diameter Directional Boring For Horizontal Pipe, Underground ..... <i>For Horizontal Boring Through Rock, Add</i>	19.20 13.44	
33 05 07	13-0024	LF	2-1/2" Diameter Directional Boring For Horizontal Pipe, Underground ..... <i>For Horizontal Boring Through Rock, Add</i>	26.67 18.67	
33 05 07	13-0025	LF	3" Diameter Directional Boring For Horizontal Pipe, Underground ..... <i>For Horizontal Boring Through Rock, Add</i>	33.07 23.15	
33 05 07	13-0026	LF	4" Diameter Directional Boring For Horizontal Pipe, Underground ..... <i>For Horizontal Boring Through Rock, Add</i>	39.47 27.63	
33 05 07	13-0027	LF	5" Diameter Directional Boring For Horizontal Pipe, Underground ..... <i>For Horizontal Boring Through Rock, Add</i>	45.87 32.11	
33 05 07	13-0028	LF	6" Diameter Directional Boring For Horizontal Pipe, Underground ..... <i>For Horizontal Boring Through Rock, Add</i>	53.34 37.34	
33 05 07	13-0029	LF	8" Diameter Directional Boring For Horizontal Pipe, Underground ..... <i>For Horizontal Boring Through Rock, Add</i>	65.24 45.67	
33 05 07	13-0030	LF	10" Diameter Directional Boring For Horizontal Pipe, Underground ..... <i>For Horizontal Boring Through Rock, Add</i>	70.68 49.48	
33 05 07	13-0031	LF	12" Diameter Directional Boring For Horizontal Pipe, Underground ..... <i>For Horizontal Boring Through Rock, Add</i>	76.12 53.28	
33 05 07	13-0032	LF	18" Diameter Directional Boring For Horizontal Pipe, Underground ..... <i>For Horizontal Boring Through Rock, Add</i>	157.67 110.37	
33 05 07	13-0033	LF	24" Diameter Directional Boring For Horizontal Pipe, Underground ..... <i>For Horizontal Boring Through Rock, Add</i>	248.29 173.80	
33 05 07	13-0034	LF	30" Diameter Directional Boring For Horizontal Pipe, Underground ..... <i>For Horizontal Boring Through Rock, Add</i>	378.49 264.94	
33 05 07	13-0035	LF	36" Diameter Directional Boring For Horizontal Pipe, Underground ..... <i>For Horizontal Boring Through Rock, Add</i>	605.58 423.91	
33 05 07	13-0036	EA	Up To 6" Horizontal Directional Boring Minimum Set-up Charge..... Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	3,413.58	
33 05 07	13-0037	EA	>6" To 18" Horizontal Directional Boring Minimum Set-up Charge..... Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	3,914.60	
33 05 07	13-0038	EA	>18" To 36" Horizontal Directional Boring Minimum Set-up Charge ..... Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	5,329.14	
<b>33 05 07 23 Utility Boring and Jacking <small>(33 05 07)</small></b>					
<b>33 05 07 23-0001 Horizontal Jacking <small>(33 05 07 23)</small></b>					
Note: Includes cost of steel casing pipe, excludes dewatering and excavation for jacking pit or receiving pit.					
33 05 07	23-0002	LF	Up To 2" Diameter Horizontal Jacking ..... <i>For Horizontal Jacking Through Rock, Add</i>	56.30 29.53	
33 05 07	23-0003	LF	3" Diameter Horizontal Jacking ..... <i>For Horizontal Jacking Through Rock, Add</i>	67.59 35.64	
33 05 07	23-0004	LF	4" Diameter Horizontal Jacking ..... <i>For Horizontal Jacking Through Rock, Add</i>	91.63 48.88	
33 05 07	23-0005	LF	6" Diameter Horizontal Jacking ..... <i>For Horizontal Jacking Through Rock, Add</i>	118.41 63.14	
33 05 07	23-0006	LF	8" Diameter Horizontal Jacking ..... <i>For Horizontal Jacking Through Rock, Add</i>	160.84 86.56	
33 05 07	23-0007	LF	10" Diameter Horizontal Jacking ..... <i>For Horizontal Jacking Through Rock, Add</i>	235.55 126.28	
33 05 07	23-0008	LF	12" Diameter Horizontal Jacking ..... <i>For Horizontal Jacking Through Rock, Add</i>	283.47 151.75	
33 05 07	23-0009	LF	16" Diameter Horizontal Jacking ..... <i>For Horizontal Jacking Through Rock, Add</i>	338.49 181.29	
33 05 07	23-0010	LF	20" Diameter Horizontal Jacking ..... <i>For Horizontal Jacking Through Rock, Add</i>	540.61 314.69	
33 05 07	23-0011	LF	24" Diameter Horizontal Jacking ..... <i>For Horizontal Jacking Through Rock, Add</i>	825.14 353.16	
33 05 07	23-0012	LF	30" Diameter Horizontal Jacking ..... <i>For Horizontal Jacking Through Rock, Add</i>	969.24 436.08	
33 05 07	23-0013	LF	36" Diameter Horizontal Jacking ..... <i>For Horizontal Jacking Through Rock, Add</i>	1,097.05 498.62	
33 05 07	23-0014	LF	42" Diameter Horizontal Jacking ..... <i>For Horizontal Jacking Through Rock, Add</i>	1,179.60 538.45	
33 05 07	23-0015	LF	48" Diameter Horizontal Jacking ..... <i>For Horizontal Jacking Through Rock, Add</i>	1,277.67 580.17	
33 05 07	23-0016	LF	54" Diameter Horizontal Jacking ..... <i>For Horizontal Jacking Through Rock, Add</i>	1,369.99 631.41	
33 05 07	23-0017	EA	Up To 6" Horizontal Jacking Minimum Set-up Charge..... Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	3,413.58	
33 05 07	23-0018	EA	>6" To 20" Horizontal Jacking Minimum Set-up Charge ..... Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	3,914.60	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

33 05 07 23-0019	EA		>20" To 36" Horizontal Jacking Minimum Set-up Charge.....	5,329.14	
Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.					
33 05 07 23-0020	EA		>36" Horizontal Jacking Minimum Set-up Charge .....	7,856.33	
Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.					

**33 05 07 24 Casing Piping for Utility Jacking (33 05 07)**

33 05 07 24-0001			Casing Pipe (33 05 07 24) Note: Casing pipe is pulled back from hook on boring auger through slurry. Costs are installed costs. Excludes boring.		
33 05 07 24-0002			Steel Pipe (33 05 07 24-0001)		
33 05 07 24-0003	LF		1-1/2" Steel Pipe Pull In Place By Boring Machine .....	14.21	
Note: Includes pipe welding.					
33 05 07 24-0004	LF		2" Steel Pipe Pull In Place By Boring Machine .....	15.07	
Note: Includes pipe welding.					
33 05 07 24-0005	LF		2-1/2" Steel Pipe Pull In Place By Boring Machine .....	16.25	
Note: Includes pipe welding.					
33 05 07 24-0006	LF		3" Steel Pipe Pull In Place By Boring Machine .....	17.45	
Note: Includes pipe welding.					
33 05 07 24-0007	LF		4" Steel Pipe Pull In Place By Boring Machine .....	21.92	
Note: Includes pipe welding.					
33 05 07 24-0008	LF		5" Steel Pipe Pull In Place By Boring Machine .....	24.72	
Note: Includes pipe welding.					
33 05 07 24-0009	LF		6" Steel Pipe Pull In Place By Boring Machine .....	27.51	
Note: Includes pipe welding.					
33 05 07 24-0010			Polyethylene Pipe (33 05 07 24-0001)		
33 05 07 24-0011	LF		3/4" Polyethylene Pipe Pull In Place By Boring Machine .....	5.09	
Note: Includes pipe welding.					
33 05 07 24-0012	LF		1" Polyethylene Pipe Pull In Place By Boring Machine .....	5.60	
Note: Includes pipe welding.					
33 05 07 24-0013	LF		1-1/4" Polyethylene Pipe Pull In Place By Boring Machine .....	6.09	
Note: Includes pipe welding.					
33 05 07 24-0014	LF		1-1/2" Polyethylene Pipe Pull In Place By Boring Machine .....	6.50	
Note: Includes pipe welding.					
33 05 07 24-0015	LF		2" Polyethylene Pipe Pull In Place By Boring Machine .....	6.96	
Note: Includes pipe welding.					
33 05 07 24-0016	LF		2-1/2" Polyethylene Pipe Pull In Place By Boring Machine .....	7.43	
Note: Includes pipe welding.					
33 05 07 24-0017	LF		3" Polyethylene Pipe Pull In Place By Boring Machine .....	7.91	
Note: Includes pipe welding.					
33 05 07 24-0018	LF		4" Polyethylene Pipe Pull In Place By Boring Machine .....	9.53	
Note: Includes pipe welding.					
33 05 07 24-0019	LF		5" Polyethylene Pipe Pull In Place By Boring Machine .....	10.52	
Note: Includes pipe welding.					
33 05 07 24-0020	LF		6" Polyethylene Pipe Pull In Place By Boring Machine .....	11.52	
Note: Includes pipe welding.					
33 05 07 24-0021	LF		8" Polyethylene Pipe Pull In Place By Boring Machine .....	14.89	
Note: Includes pipe welding.					
33 05 07 24-0022	LF		10" Polyethylene Pipe Pull In Place By Boring Machine .....	20.13	
Note: Includes pipe welding.					

**33 05 09 Piping Specials for Utilities (33 05)**

<b>33 05 09 23</b>			<b>Adapters for Utility Piping (33 05 09)</b> See CSI section 33 14 13 53-0222 for ductile iron body adapters, 33 14 13 53-0229 for steel body adapters.		
<b>33 05 09 33</b>			<b>Thrust Restraint for Utility Piping (33 05 09)</b> See CSI section 33 14 13 13-0392 for mechanical restraints, 33 14 13 13-0423 for flanged restraints, 33 14 13 13-0830 for slip-on restraints, 33 14 13 13-0841 for slip-on restraint harnesses.		
33 05 16			Cast-Iron Utility Pipe (33 05) See CSI section 22 13 16 00-0019 for cast iron utility piping.		
33 05 17			Copper Utility Pipe and Tubing (33 05) See CSI section 33 14 13 39-0000 for copper utility piping.		
33 05 19			Ductile-Iron Utility Pipe (33 05) See CSI section 33 14 13 13-0000 for ductile iron utility piping.		
33 05 24			Steel Utility Pipe (33 05)		
<b>33 05 24 23</b>			<b>Steel Pipe for Water Service (33 05 24)</b> See CSI section 33 14 13 26-0000 for galvanized steel utility piping, 33 14 13 36-0000 for steel utility piping.		
33 05 27			Corrugated Metal Utility Pipe (33 05)		
<b>33 05 27 13</b>			<b>Corrugated Metal Culvert Pipe (33 05 27)</b> See CSI section 33 42 11 00-0299 for corrugated metal culvert pipe.		
<b>33 05 27 23</b>			<b>Corrugated Metal Slotted Pipe (33 05 27)</b> See CSI section 33 41 16 13-0085 for corrugated metal slotted pipe.		
<b>33 05 27 33</b>			<b>Corrugated Metal Culvert Arch Pipe (33 05 27)</b> See CSI section 33 42 11 00-0643 for corrugated metal culvert arch pipe.		

**33 Utilities****33 05 Common Work Results for Utilities****33 05 27 Corrugated Metal Utility Pipe**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

33 05 31	Thermoplastic Utility Pipe <sup>(33 05)</sup>		
33 05 31 11	<b>Polyvinyl Chloride Gravity Sewer Pipe</b> <sup>(33 05 31)</sup>		
	See CSI section 33 31 11 00-0000 for polyvinyl chloride gravity sewer pipe.		
33 05 31 13	<b>Polyvinyl Chloride Pressure Pipe</b> <sup>(33 05 31)</sup>		
	See CSI section 33 14 13 23-0256 for polyvinyl chloride pressure pipe.		
33 05 31 16	<b>Polyvinyl Chloride Pressure Pipe for Water Transmission and Distribution (AWWA C900 and AWWA C905)</b> <sup>(33 05 31)</sup>		
	See CSI section 33 14 13 23-0001 for AWWA C900 and 905 polyvinyl chloride pressure pipe.		
33 05 33	Polyethylene Utility Pipe <sup>(33 05)</sup>		
33 05 33 13	<b>Corrugated-Wall, Smooth Interior HDPE Gravity Pipe</b> <sup>(33 05 33)</sup>		
	See CSI section 33 42 11 00-0173 for corrugated-wall smooth interior HDPE gravity pipe.		
33 05 33 23	<b>Polyethylene Pressure Pipe and Tubing (AWWA C901 and AWWA C906)</b> <sup>(33 05 33)</sup>		
	See CSI section 33 14 13 23-0426 for AWWA C906 high density polyethylene pipe.		
33 05 33 33	<b>Corrugated, Perforated HDPE Drainage Pipe</b> <sup>(33 05 33)</sup>		
	See CSI section 33 42 11 00-0195 for corrugated perforated HDPE drainage pipe.		
33 05 33 36	<b>Corrugated, Non-Perforated HDPE Drainage Pipe</b> <sup>(33 05 33)</sup>		
	See CSI section 33 41 16 13-0002 for corrugated non-perforated HDPE drainage pipe.		
33 05 33 53	<b>HDPE Gas Utility Pipe</b> <sup>(33 05 33)</sup>		
	See CSI section 33 52 16 26-0001 for high-density polyethylene gas utility pipe.		
33 05 33 56	<b>Medium-Density Polyethylene Gas Utility Pipe</b> <sup>(33 05 33)</sup>		
	See CSI section 33 52 16 23-0000 for Medium-Density Polyethylene Gas Utility Pipe.		
33 05 33 63	<b>HDPE Communication Duct</b> <sup>(33 05 33)</sup>		
33 05 33 63-0001	ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine <sup>(33 05 33 63)</sup>		
	Note: Excludes boring.		
33 05 33 63-0002	LF 1" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	3.36	
	For Up To 250, Add	0.10	
	For >250 To 500, Add	0.07	
33 05 33 63-0003	LF 1-1/4" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	3.77	
	For Up To 250, Add	0.12	
	For >250 To 500, Add	0.08	
33 05 33 63-0004	LF 1-1/2" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	4.07	
	For Up To 250, Add	0.14	
	For >250 To 500, Add	0.09	
33 05 33 63-0005	LF 2" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	4.47	
	For Up To 250, Add	0.16	
	For >250 To 500, Add	0.11	
33 05 33 63-0006	LF 3" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	5.93	
	For Up To 250, Add	0.34	
	For >250 To 500, Add	0.23	
33 05 33 63-0007	LF 4" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	7.44	
	For Up To 250, Add	0.53	
	For >250 To 500, Add	0.35	
33 05 33 63-0008	LF 1" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	3.43	
	For Up To 250, Add	0.11	
	For >250 To 500, Add	0.07	
33 05 33 63-0009	LF 1-1/4" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	3.89	
	For Up To 250, Add	0.14	
	For >250 To 500, Add	0.09	
33 05 33 63-0010	LF 1-1/2" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	4.17	
	For Up To 250, Add	0.15	
	For >250 To 500, Add	0.10	
33 05 33 63-0011	LF 2" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	4.74	
	For Up To 250, Add	0.20	
	For >250 To 500, Add	0.14	
33 05 33 63-0012	LF 3" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	6.52	
	For Up To 250, Add	0.43	
	For >250 To 500, Add	0.29	
33 05 33 63-0013	LF 4" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	8.18	
	For Up To 250, Add	0.64	
	For >250 To 500, Add	0.42	
33 05 39	Concrete Pipe <sup>(33 05)</sup>		
33 05 39 13	<b>Prestressed Concrete Pressure Pipe, Steel-Cylinder Type (AWWA C301)</b> <sup>(33 05 39)</sup>		
	See CSI section 33 42 11 00-0068 for prestressed concrete pressure pipe.		

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**33 05 39 41 Reinforced Concrete Pipe for Sewers and Culverts (33 05 39)**  
 See CSI section 33 42 11 00-0001 for reinforced concrete pipe.

**33 05 41 Vitrified Clay Utility Pipe (33 05)**  
 See CSI section 33 42 11 00-1337 for vitrified clay piping.

**33 05 61 Concrete Manholes (33 05)**

**33 05 61 00-0001 Manholes (33 05 61)**

**33 05 61 00-0002 Precast Concrete Manholes (33 05 61 00-0001)**  
 Note: Includes base, riser(s), reducer and openings. Excludes excavation, aggregate, backfill and frame/cover.  
 See CSI section 33 05 84 00-0002 for top slabs.

**33 05 61 00-0003 3' Diameter, Precast Concrete Manholes (33 05 61 00-0002)**

33 05 61 00-0004	EA 4' Deep, 3' Diameter, Precast Concrete Manhole .....	1,435.40	269.87
	For Bitumastic Coating, Add	64.28	
	For Epoxy Coating, Add	122.83	
33 05 61 00-0005	EA 6' Deep, 3' Diameter, Precast Concrete Manhole .....	1,959.05	387.64
	For Bitumastic Coating, Add	96.42	
	For Epoxy Coating, Add	184.25	
33 05 61 00-0006	EA 8' Deep, 3' Diameter, Precast Concrete Manhole .....	2,649.53	588.81
	For Bitumastic Coating, Add	128.56	
	For Epoxy Coating, Add	245.66	
33 05 61 00-0007	VLF Riser For 3' Diameter, Precast Concrete Manhole .....	281.46	68.70
	Note: For depths greater than 8'.		
	For Bitumastic Coating, Add	16.07	
	For Epoxy Coating, Add	30.71	
33 05 61 00-0008	VLF Drop Collar For 3' Diameter, Precast Concrete Manhole .....	302.59	68.70
33 05 61 00-0009	EA Drop Base For 3' Diameter, Precast Concrete Manhole .....	478.46	68.70
33 05 61 00-0010	EA Extended Base Slab For 3' Diameter, Precast Concrete Manhole .....	384.01	68.70
33 05 61 00-0011	EA Precast Channel For 3' Diameter, Precast Concrete Manhole .....	544.88	68.70

**33 05 61 00-0012 4' Diameter, Precast Concrete Manholes (33 05 61 00-0002)**

33 05 61 00-0013	EA 4' Deep, 4' Diameter, Precast Concrete Manhole .....	2,003.42	309.13
	For Bitumastic Coating, Add	64.28	
	For Epoxy Coating, Add	122.83	
33 05 61 00-0014	EA 6' Deep, 4' Diameter, Precast Concrete Manhole .....	2,675.90	421.98
	For Bitumastic Coating, Add	96.42	
	For Epoxy Coating, Add	184.25	
33 05 61 00-0015	EA 8' Deep, 4' Diameter, Precast Concrete Manhole .....	3,545.45	637.88
	For Bitumastic Coating, Add	128.56	
	For Epoxy Coating, Add	245.66	
33 05 61 00-0016	VLF Riser For 4' Diameter, Precast Concrete Manhole .....	381.62	80.96
	Note: For depths greater than 8'.		
	For Bitumastic Coating, Add	16.07	
	For Epoxy Coating, Add	30.71	
33 05 61 00-0017	VLF Drop Collar For 4' Diameter, Precast Concrete Manhole .....	414.21	80.96
33 05 61 00-0018	EA Drop Base For 4' Diameter, Precast Concrete Manhole .....	685.39	80.96
33 05 61 00-0019	EA Extended Base Slab For 4' Diameter, Precast Concrete Manhole .....	539.77	80.96
33 05 61 00-0020	EA Precast Channel For 4' Diameter, Precast Concrete Manhole .....	787.82	80.96

**33 05 61 00-0021 5' Diameter, Precast Concrete Manholes (33 05 61 00-0002)**

33 05 61 00-0022	EA 4' Deep, 5' Diameter, Precast Concrete Manhole .....	3,721.60	343.48
	For Bitumastic Coating, Add	62.82	
	For Epoxy Coating, Add	198.02	
33 05 61 00-0023	EA 6' Deep, 5' Diameter, Precast Concrete Manhole .....	4,958.41	471.05
	For Bitumastic Coating, Add	124.23	
	For Epoxy Coating, Add	297.02	
33 05 61 00-0024	EA 8' Deep, 5' Diameter, Precast Concrete Manhole .....	6,413.67	706.57
	For Bitumastic Coating, Add	165.64	
	For Epoxy Coating, Add	396.03	
33 05 61 00-0025	VLF Riser For 5' Diameter, Precast Concrete Manhole .....	669.02	88.33
	Note: For depths greater than 8'.		
	For Bitumastic Coating, Add	20.70	
	For Epoxy Coating, Add	49.50	

**33 05 61 00-0026 6' Diameter, Precast Concrete Manholes (33 05 61 00-0002)**

33 05 61 00-0027	EA 4' Deep, 6' Diameter, Precast Concrete Manhole .....	4,979.84	382.73
	For Bitumastic Coating, Add	94.82	
	For Epoxy Coating, Add	231.83	
33 05 61 00-0028	EA 6' Deep, 6' Diameter, Precast Concrete Manhole .....	6,490.34	520.12
	For Bitumastic Coating, Add	142.22	
	For Epoxy Coating, Add	347.74	
33 05 61 00-0029	EA 8' Deep, 6' Diameter, Precast Concrete Manhole .....	8,245.40	785.08
	For Bitumastic Coating, Add	189.63	
	For Epoxy Coating, Add	463.65	
33 05 61 00-0030	VLF Riser For 6' Diameter, Precast Concrete Manhole .....	811.09	98.13
	Note: For depths greater than 8'.		
	For Bitumastic Coating, Add	23.70	
	For Epoxy Coating, Add	57.96	

**33 05 61 00-0031 7' Diameter, Precast Concrete Manholes (33 05 61 00-0002)**

**33 Utilities****33 05 Common Work Results for Utilities****33 05 61 Concrete Manholes**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

33 05 61 00-0032	EA	4' Deep, 7' Diameter, Precast Concrete Manhole	7,819.97	421.98
		<i>For Bitumastic Coating, Add</i>	201.63	
		<i>For Epoxy Coating, Add</i>	405.10	
33 05 61 00-0033	EA	6' Deep, 7' Diameter, Precast Concrete Manhole	10,117.47	575.57
		<i>For Bitumastic Coating, Add</i>	302.44	
		<i>For Epoxy Coating, Add</i>	607.65	
33 05 61 00-0034	EA	8' Deep, 7' Diameter, Precast Concrete Manhole	12,683.86	863.59
		<i>For Bitumastic Coating, Add</i>	403.26	
		<i>For Epoxy Coating, Add</i>	810.20	
33 05 61 00-0035	VLF	Riser For 7' Diameter, Precast Concrete Manhole	1,211.07	107.95
		Note: For depths greater than 8'.		
		<i>For Bitumastic Coating, Add</i>	50.41	
		<i>For Epoxy Coating, Add</i>	101.27	

**33 05 61 00-0036 8' Diameter, Precast Concrete Manholes** (33 05 61 00-0002)

33 05 61 00-0037	EA	4' Deep, 8' Diameter, Precast Concrete Manhole	11,295.78	485.77
		<i>For Bitumastic Coating, Add</i>	238.37	
		<i>For Epoxy Coating, Add</i>	493.78	
33 05 61 00-0038	EA	6' Deep, 8' Diameter, Precast Concrete Manhole	14,652.13	662.41
		<i>For Bitumastic Coating, Add</i>	357.55	
		<i>For Epoxy Coating, Add</i>	740.67	
33 05 61 00-0039	EA	8' Deep, 8' Diameter, Precast Concrete Manhole	18,317.61	993.62
		<i>For Bitumastic Coating, Add</i>	476.74	
		<i>For Epoxy Coating, Add</i>	987.56	
33 05 61 00-0040	VLF	Riser For 8' Diameter, Precast Concrete Manhole	1,746.88	122.67
		Note: For depths greater than 8'.		
		<i>For Bitumastic Coating, Add</i>	59.59	
		<i>For Epoxy Coating, Add</i>	123.44	

**33 05 63 Concrete Vaults and Chambers** (33 05)**33 05 63 00-0001 Underground Utility Vaults And Structures** (33 05 63)

See CSI section 33 05 61 00-0001 for manholes, 33 05 81 00-0006 for frames and covers.

**33 05 63 00-0002 Precast Concrete Underground Utility Vault** (33 05 63 00-0001)

Note: Sizes given are for inside dimensions.

**33 05 63 00-0003 6' High Precast Concrete Underground Utility Vault** (33 05 63 00-0002)

33 05 63 00-0004	EA	4' x 4' x 6' Precast Concrete Underground Utility Vault	3,117.28	
		Note: 6" thick walls and 8" thick top.		
33 05 63 00-0005	EA	4' x 6' x 6' Precast Concrete Underground Utility Vault	4,063.40	
		Note: 6" thick walls and 8" thick top.		
33 05 63 00-0006	EA	5' x 10' x 6' Precast Concrete Underground Utility Vault	6,703.67	
		Note: 6" thick walls and 8" thick top.		
33 05 63 00-0007	EA	5' x 12' x 6' Precast Concrete Underground Utility Vault	7,740.48	
		Note: 6" thick walls and 8" thick top.		
33 05 63 00-0008	EA	6' x 6' x 6' Precast Concrete Underground Utility Vault	5,192.83	
		Note: 6" thick walls and 8" thick top.		
33 05 63 00-0009	EA	6' x 8' x 6' Precast Concrete Underground Utility Vault	6,321.27	
		Note: 6" thick walls and 8" thick top.		
33 05 63 00-0010	EA	6' x 10' x 6' Precast Concrete Underground Utility Vault	7,450.71	
		Note: 6" thick walls and 8" thick top.		
33 05 63 00-0011	EA	6' x 12' x 6' Precast Concrete Underground Utility Vault	10,764.83	
		Note: 8" thick walls and top.		
33 05 63 00-0012	EA	6' x 14' x 6' Precast Concrete Underground Utility Vault	10,764.83	
		Note: 8" thick walls and top.		
33 05 63 00-0013	EA	6' x 16' x 6' Precast Concrete Underground Utility Vault	13,554.61	
		Note: 8" thick walls and top.		
33 05 63 00-0014	EA	8' x 8' x 6' Precast Concrete Underground Utility Vault	7,634.02	
		Note: 6" thick walls and 8" thick top.		
33 05 63 00-0015	EA	8' x 10' x 6' Precast Concrete Underground Utility Vault	8,945.80	
		Note: 6" thick walls and 8" thick top.		
33 05 63 00-0016	EA	8' x 12' x 6' Precast Concrete Underground Utility Vault	12,787.26	
		Note: 8" thick walls and top.		
33 05 63 00-0017	EA	8' x 14' x 6' Precast Concrete Underground Utility Vault	14,391.99	
		Note: 8" thick walls and top.		

**33 05 63 00-0018 7' High Precast Concrete Underground Utility Vault** (33 05 63 00-0002)

33 05 63 00-0019	EA	4' x 4' x 7' Precast Concrete Underground Utility Vault	3,737.22	
		Note: 6" thick walls and 8" thick top.		
33 05 63 00-0020	EA	4' x 6' x 7' Precast Concrete Underground Utility Vault	4,852.67	
		Note: 6" thick walls and 8" thick top.		
33 05 63 00-0021	EA	4' x 8' x 7' Precast Concrete Underground Utility Vault	5,480.31	
		Note: 6" thick walls and 8" thick top.		
33 05 63 00-0022	EA	5' x 10' x 7' Precast Concrete Underground Utility Vault	7,292.20	
		Note: 6" thick walls and 8" thick top.		
33 05 63 00-0023	EA	5' x 12' x 7' Precast Concrete Underground Utility Vault	8,408.10	
		Note: 6" thick walls and 8" thick top.		
33 05 63 00-0024	EA	6' x 6' x 7' Precast Concrete Underground Utility Vault	6,167.70	
		Note: 6" thick walls and 8" thick top.		
33 05 63 00-0025	EA	6' x 8' x 7' Precast Concrete Underground Utility Vault	6,871.23	
		Note: 6" thick walls and 8" thick top.		
33 05 63 00-0026	EA	6' x 10' x 7' Precast Concrete Underground Utility Vault	8,797.81	
		Note: 6" thick walls and 8" thick top.		
33 05 63 00-0027	EA	6' x 12' x 7' Precast Concrete Underground Utility Vault	11,706.42	
		Note: 8" thick walls and top.		

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 05 63 00-0028	EA		6' x 16' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	14,705.56	
	33 05 63 00-0029	EA		8' x 8' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,262.08	
	33 05 63 00-0030	EA		8' x 10' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	9,652.00	
	33 05 63 00-0031	EA		8' x 12' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	13,834.10	
	33 05 63 00-0032	EA		8' x 14' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	15,541.96	
	33 05 63 00-0033	EA		10' x 10' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	14,042.71	
	<b>33 05 63 00-0034</b>			<b>8' High Precast Concrete Underground Utility Vault</b> <small>(33 05 63 00-0002)</small>		
	33 05 63 00-0035	EA		4' x 4' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	3,745.35	
	33 05 63 00-0036	EA		4' x 6' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	4,848.73	
	33 05 63 00-0037	EA		5' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,880.68	
	33 05 63 00-0038	EA		5' x 12' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	9,074.74	
	33 05 63 00-0039	EA		6' x 6' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,134.44	
	33 05 63 00-0040	EA		6' x 8' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,420.16	
	33 05 63 00-0041	EA		6' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,705.90	
	33 05 63 00-0042	EA		6' x 12' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	12,648.00	
	33 05 63 00-0043	EA		6' x 16' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	15,856.58	
	33 05 63 00-0044	EA		8' x 8' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,889.17	
	33 05 63 00-0045	EA		8' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	10,358.19	
	33 05 63 00-0046	EA		8' x 12' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	14,879.88	
	33 05 63 00-0047	EA		8' x 14' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	16,692.96	
	33 05 63 00-0048	EA		10' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	15,089.23	
	<b>33 05 63 00-0049</b>			<b>10' High Precast Concrete Underground Utility Vault</b> <small>(33 05 63 00-0002)</small>		
	33 05 63 00-0050	EA		6' x 6' x 10' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,605.27	
	33 05 63 00-0051	EA		6' x 8' x 10' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,969.10	
	33 05 63 00-0052	EA		10' x 10' x 10' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	16,134.97	
	<b>33 05 63 00-0053</b>			<b>12' High Precast Concrete Underground Utility Vault</b> <small>(33 05 63 00-0002)</small>		
	33 05 63 00-0054	EA		6' x 6' x 12' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,076.07	
	33 05 63 00-0055	EA		6' x 8' x 12' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,519.04	
	<b>33 05 63 00-0056</b>			<b>Meter Pit</b> <small>(33 05 63 00-0001)</small>		
	<b>33 05 63 00-0057</b>			<b>Precast Concrete Meter Pit</b> <small>(33 05 63 00-0056)</small>		
	33 05 63 00-0058	EA		4' x 4' x 4' Deep Precast Concrete Meter Pit.....	3,070.23	
	33 05 63 00-0059	EA		4' x 4' x 6' Deep Precast Concrete Meter Pit.....	4,163.59	
	33 05 63 00-0060	EA		4' x 4' x 8' Deep Precast Concrete Meter Pit.....	5,228.18	
	33 05 63 00-0061	EA		4' x 4' x 10' Deep Precast Concrete Meter Pit.....	6,478.03	
	33 05 63 00-0062	EA		4' x 4' x 15' Deep Precast Concrete Meter Pit.....	8,954.84	
	33 05 63 00-0063	EA		6' x 6' x 4' Deep Precast Concrete Meter Pit.....	4,656.10	
	33 05 63 00-0064	EA		6' x 6' x 6' Deep Precast Concrete Meter Pit.....	6,478.03	
	33 05 63 00-0065	EA		6' x 6' x 8' Deep Precast Concrete Meter Pit.....	8,347.17	
	33 05 63 00-0066	EA		6' x 6' x 10' Deep Precast Concrete Meter Pit.....	10,413.34	
	33 05 63 00-0067	EA		6' x 6' x 15' Deep Precast Concrete Meter Pit.....	14,812.67	
	<b>33 05 63 00-0068</b>			<b>Handhole Or Pull Box Enclosures</b> <small>(33 05 63 00-0001)</small>		
	<b>33 05 63 00-0069</b>			<b>Polymer Concrete Handhole Enclosures</b> <small>(33 05 63 00-0068)</small>		
	<b>33 05 63 00-0070</b>			<b>Polymer Concrete Handhole Enclosures</b> <small>(33 05 63 00-0069)</small>		
	<b>33 05 63 00-0071</b>			<b>Flared Sides, Polymer Concrete Handhole Enclosures</b> <small>(33 05 63 00-0070)</small>		
	<b>33 05 63 00-0072</b>			<b>Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures</b> <small>(33 05 63 00-0071)</small>		
	33 05 63 00-0073	EA		12" x 12", 24" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	395.88	21.42

**33 Utilities****33 05 Common Work Results for Utilities****33 05 63 Concrete Vaults and Chambers**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

33 05 63 00-0074	EA	10" x 15", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	322.12	47.57
33 05 63 00-0075	EA	13" x 24", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	492.66	71.35
33 05 63 00-0076	EA	17" x 30", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	580.51	71.35
33 05 63 00-0077	EA	13" x 24", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	551.48	71.35
33 05 63 00-0078	EA	13" x 24", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	678.18	71.35
33 05 63 00-0079	EA	17" x 30", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	659.06	71.35
33 05 63 00-0080	EA	17" x 30", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	915.61	71.35
33 05 63 00-0081	EA	27" Round, 36" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,304.68	95.14
33 05 63 00-0082	EA	27" Round, 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,856.81	95.14
33 05 63 00-0083	EA	24" x 36", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,154.36	130.81
33 05 63 00-0084	EA	24" x 36", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,327.27	130.81
33 05 63 00-0085	EA	24" x 36", 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	2,226.73	130.81
33 05 63 00-0086	EA	39" Round, 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,230.67	142.71
33 05 63 00-0087	EA	39" Round, 24" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,797.04	142.71
33 05 63 00-0088	EA	39" Round, 36" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	2,260.19	142.71
33 05 63 00-0089	EA	39" Round, 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	3,355.63	142.71
33 05 63 00-0090	EA	30" x 48", 24" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,780.82	226.71
33 05 63 00-0091	EA	30" x 48", 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	2,633.23	226.71

**33 05 63 00-0092 Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures**

(33 05 63 00-0071)

33 05 63 00-0093	EA	12" x 12", 24" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure .....	510.65	21.42
33 05 63 00-0094	EA	13" x 24", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure .....	629.34	71.35
33 05 63 00-0095	EA	17" x 30", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure .....	770.75	71.35
33 05 63 00-0096	EA	13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure .....	707.45	71.35
33 05 63 00-0097	EA	13" x 24", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure .....	815.74	71.35
33 05 63 00-0098	EA	17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure .....	844.14	71.35
33 05 63 00-0099	EA	17" x 30", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure .....	1,102.29	71.35
33 05 63 00-0100	EA	24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure .....	1,445.02	130.81
33 05 63 00-0101	EA	24" x 36", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure .....	1,617.92	130.81
33 05 63 00-0102	EA	24" x 36", 48" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure .....	2,517.42	130.81
33 05 63 00-0103	EA	30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure .....	2,120.48	226.71
33 05 63 00-0104	EA	30" x 48", 48" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure .....	2,979.37	226.71

**33 05 63 00-0105 Straight Sides, Polymer Concrete Handhole Enclosures**

(33 05 63 00-0070)

**33 05 63 00-0106 Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures**

(33 05 63 00-0105)

33 05 63 00-0107	EA	5" x 16", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	658.34	21.42
33 05 63 00-0108	EA	10" x 12", 15" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	554.46	21.42
33 05 63 00-0109	EA	13" x 24", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	416.00	71.35
33 05 63 00-0110	EA	17" x 30", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	477.29	71.35
33 05 63 00-0111	EA	6" x 8", 6" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	144.16	21.42
33 05 63 00-0112	EA	12" x 12", 12" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	231.02	21.42
33 05 63 00-0113	EA	8" x 18", 7" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	381.78	21.42
33 05 63 00-0114	EA	8" x 18", 8" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	400.03	21.42
33 05 63 00-0115	EA	11" x 18", 12" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	315.75	47.57
33 05 63 00-0116	EA	11" x 18", 18" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	343.74	47.57
33 05 63 00-0117	EA	8" x 8", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	227.29	21.42
33 05 63 00-0118	EA	8" x 8", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	261.47	21.42

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0119	EA		11" x 18", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	340.83	47.57
33 05 63 00-0120	EA		11" x 18", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	387.88	47.57
33 05 63 00-0121	EA		11" x 20", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	357.43	47.57
33 05 63 00-0122	EA		13" x 24", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	418.85	71.35
33 05 63 00-0123	EA		13" x 24", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	465.00	71.35
33 05 63 00-0124	EA		17" x 30", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	499.32	71.35
33 05 63 00-0125	EA		17" x 30", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	551.01	71.35
33 05 63 00-0126	EA		17" x 30", 22" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	654.09	71.35
33 05 63 00-0127	EA		17" x 30", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	716.62	71.35
33 05 63 00-0128	EA		17" x 30", 28" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	785.04	71.35
33 05 63 00-0129	EA		17" x 30", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	828.06	71.35
33 05 63 00-0130	EA		24" x 24", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	980.36	95.14
33 05 63 00-0131	EA		24" x 36", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	967.06	130.81
33 05 63 00-0132	EA		24" x 36", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,266.71	130.81
33 05 63 00-0133	EA		24" x 36", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,543.41	130.81
33 05 63 00-0134	EA		24" x 36", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,718.15	130.81
33 05 63 00-0135	EA		24" x 36", 42" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,891.96	130.81
33 05 63 00-0136	EA		36" x 36", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,113.37	226.71
33 05 63 00-0137	EA		30" x 48", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,500.80	226.71
33 05 63 00-0138	EA		30" x 48", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,722.74	226.71
33 05 63 00-0139	EA		30" x 48", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,147.12	226.71
33 05 63 00-0140	EA		30" x 60", 21" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,142.76	226.71
33 05 63 00-0141	EA		30" x 60", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,301.17	226.71
33 05 63 00-0142	EA		30" x 60", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,605.82	226.71
33 05 63 00-0143	EA		36" x 60", 19" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,375.74	242.89
33 05 63 00-0144	EA		36" x 60", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,590.84	242.89
33 05 63 00-0145	EA		36" x 60", 31" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,865.45	242.89
33 05 63 00-0146	EA		36" x 60", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,975.33	242.89
33 05 63 00-0147	EA		48" x 48", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,013.52	242.89
33 05 63 00-0148	EA		48" x 48", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,431.95	242.89
33 05 63 00-0149	EA		36" x 72", 21" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,619.34	242.89
33 05 63 00-0150	EA		36" x 72", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,501.01	242.89
33 05 63 00-0151	EA		48" x 72", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,949.43	259.09
33 05 63 00-0152	EA		48" x 72", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	4,908.71	259.09
33 05 63 00-0153	EA		48" x 96", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	6,338.33	259.09
<b>33 05 63 00-0154</b>			<b>Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures</b> <small>(33 05 63 00-0105)</small>		
33 05 63 00-0155	EA		13" x 24", 12" Depth, 5,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	575.13	71.35
33 05 63 00-0156	EA		17" x 30", 12" Depth, 5,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	666.05	71.35
33 05 63 00-0157	EA		6" x 8", 6" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	253.13	21.42
33 05 63 00-0158	EA		12" x 12", 12" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	371.85	21.42
33 05 63 00-0159	EA		8" x 18", 7" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	503.08	21.42
33 05 63 00-0160	EA		8" x 18", 8" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	521.35	21.42
33 05 63 00-0161	EA		10" x 15", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	435.24	47.57

**33 Utilities****33 05 Common Work Results for Utilities****33 05 63 Concrete Vaults and Chambers**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

33 05 63 00-0162	EA	11" x 18", 12" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	454.72	47.57
33 05 63 00-0163	EA	11" x 18", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	480.75	47.57
33 05 63 00-0164	EA	8" x 8", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	346.11	21.42
33 05 63 00-0165	EA	8" x 8", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	411.47	21.42
33 05 63 00-0166	EA	11" x 18", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	480.12	47.57
33 05 63 00-0167	EA	11" x 18", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	527.18	47.57
33 05 63 00-0168	EA	11" x 20", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	498.20	47.57
33 05 63 00-0169	EA	13" x 24", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	574.25	71.35
33 05 63 00-0170	EA	13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	620.98	71.35
33 05 63 00-0171	EA	17" x 30", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	684.76	71.35
33 05 63 00-0172	EA	17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	736.12	71.35
33 05 63 00-0173	EA	17" x 30", 22" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	838.90	71.35
33 05 63 00-0174	EA	17" x 30", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	901.70	71.35
33 05 63 00-0175	EA	17" x 30", 28" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	969.83	71.35
33 05 63 00-0176	EA	17" x 30", 30" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,013.15	71.35
33 05 63 00-0177	EA	24" x 24", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,236.03	95.14
33 05 63 00-0178	EA	24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,257.74	130.81
33 05 63 00-0179	EA	24" x 36", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,557.04	130.81
33 05 63 00-0180	EA	24" x 36", 30" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,833.44	130.81
33 05 63 00-0181	EA	24" x 36", 36" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,007.90	130.81
33 05 63 00-0182	EA	24" x 36", 42" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,182.29	130.81
33 05 63 00-0183	EA	30" x 48", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,837.25	226.71
33 05 63 00-0184	EA	30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,059.51	226.71
33 05 63 00-0185	EA	30" x 48", 36" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,483.57	226.71

**33 05 63 00-0186 Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures (33 05 63 00-0105)**

33 05 63 00-0187	EA	13" x 24", 12" Depth, 5,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	524.32	71.35
33 05 63 00-0188	EA	17" x 30", 12" Depth, 5,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	617.76	71.35
33 05 63 00-0189	EA	6" x 8", 6" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	183.66	21.42
33 05 63 00-0190	EA	12" x 12", 12" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	310.86	21.42
33 05 63 00-0191	EA	8" x 18", 7" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	452.32	21.42
33 05 63 00-0192	EA	8" x 18", 8" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	470.92	21.42
33 05 63 00-0193	EA	11" x 18", 12" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	401.82	47.57
33 05 63 00-0194	EA	11" x 18", 18" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	455.98	47.57
33 05 63 00-0195	EA	8" x 8", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	270.36	21.42
33 05 63 00-0196	EA	11" x 18", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	428.43	47.57
33 05 63 00-0197	EA	11" x 18", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	495.90	47.57
33 05 63 00-0198	EA	11" x 20", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	445.96	47.57
33 05 63 00-0199	EA	13" x 24", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	567.09	71.35
33 05 63 00-0200	EA	13" x 24", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	659.33	71.35
33 05 63 00-0201	EA	17" x 30", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	690.00	71.35
33 05 63 00-0202	EA	17" x 30", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	763.04	71.35
33 05 63 00-0203	EA	17" x 30", 22" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	830.23	71.35
33 05 63 00-0204	EA	17" x 30", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	893.66	71.35
33 05 63 00-0205	EA	17" x 30", 28" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,007.25	71.35
33 05 63 00-0206	EA	17" x 30", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,023.08	71.35
33 05 63 00-0207	EA	24" x 24", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,255.84	95.14



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0208	EA	24" x 36", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,283.42	130.81
33 05 63 00-0209	EA	24" x 36", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,613.97	130.81
33 05 63 00-0210	EA	24" x 36", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,940.88	130.81
33 05 63 00-0211	EA	24" x 36", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,158.01	130.81
33 05 63 00-0212	EA	24" x 36", 42" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,375.14	130.81
33 05 63 00-0213	EA	36" x 36", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,517.92	226.71
33 05 63 00-0214	EA	30" x 48", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,905.38	226.71
33 05 63 00-0215	EA	30" x 48", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,144.62	226.71
33 05 63 00-0216	EA	30" x 48", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,568.70	226.71
33 05 63 00-0217	EA	30" x 60", 21" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,755.76	226.71
33 05 63 00-0218	EA	30" x 60", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,814.34	226.71
33 05 63 00-0219	EA	30" x 60", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,382.60	226.71
33 05 63 00-0220	EA	36" x 60", 19" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,119.37	242.89
33 05 63 00-0221	EA	36" x 60", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,230.51	242.89
33 05 63 00-0222	EA	36" x 60", 31" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,545.78	242.89
33 05 63 00-0223	EA	36" x 60", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,784.39	242.89
33 05 63 00-0224	EA	36" x 72", 21" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,465.45	242.89
33 05 63 00-0225	EA	36" x 72", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	4,318.82	242.89
33 05 63 00-0226	EA	48" x 48", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,731.14	242.89
33 05 63 00-0227	EA	48" x 48", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	4,114.04	242.89
33 05 63 00-0228	EA	48" x 72", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	5,002.65	259.09
33 05 63 00-0229	EA	48" x 72", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	5,962.32	259.09
33 05 63 00-0230	EA	48" x 96", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	8,091.97	259.09
33 05 63 00-0231		<b>Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures</b> <small>33 05 63 00-0105</small>		
33 05 63 00-0232	EA	13" x 24", 12" Depth, 5,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	683.42	71.35
33 05 63 00-0233	EA	17" x 30", 12" Depth, 5,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	806.88	71.35
33 05 63 00-0234	EA	6" x 8", 6" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	291.76	21.42
33 05 63 00-0235	EA	12" x 12", 12" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	451.41	21.42
33 05 63 00-0236	EA	8" x 18", 7" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	573.37	21.42
33 05 63 00-0237	EA	8" x 18", 8" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	592.22	21.42
33 05 63 00-0238	EA	11" x 18", 12" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	541.11	47.57
33 05 63 00-0239	EA	11" x 18", 18" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	594.94	47.57
33 05 63 00-0240	EA	8" x 8", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	424.83	21.42
33 05 63 00-0241	EA	11" x 18", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	567.10	47.57
33 05 63 00-0242	EA	11" x 18", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	634.56	47.57
33 05 63 00-0243	EA	11" x 20", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	546.98	47.57
33 05 63 00-0244	EA	13" x 24", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	723.12	71.35
33 05 63 00-0245	EA	13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	815.36	71.35
33 05 63 00-0246	EA	17" x 30", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	875.09	71.35
33 05 63 00-0247	EA	17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	948.15	71.35
33 05 63 00-0248	EA	17" x 30", 22" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,015.32	71.35
33 05 63 00-0249	EA	17" x 30", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,078.78	71.35
33 05 63 00-0250	EA	17" x 30", 28" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,192.39	71.35

## 33 Utilities

## 33 05 Common Work Results for Utilities

## 33 05 63 Concrete Vaults and Chambers

 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

33 05 63 00-0251	EA	17" x 30", 30" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,208.16	71.35
33 05 63 00-0252	EA	24" x 24", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,511.19	95.14
33 05 63 00-0253	EA	24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,574.08	130.81
33 05 63 00-0254	EA	24" x 36", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,904.33	130.81
33 05 63 00-0255	EA	24" x 36", 30" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,230.88	130.81
33 05 63 00-0256	EA	24" x 36", 36" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,448.17	130.81
33 05 63 00-0257	EA	24" x 36", 42" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,665.47	130.81
33 05 63 00-0258	EA	30" x 48", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,242.13	226.71
33 05 63 00-0259	EA	30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,481.70	226.71
33 05 63 00-0260	EA	30" x 48", 36" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,905.48	226.71
<b>33 05 63 00-0261 Footed, Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 63 00-0105)</small></b>				
33 05 63 00-0262	EA	17" x 30", 12" Depth, 5,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	563.11	71.35
33 05 63 00-0263	EA	11" x 18", 12" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	380.75	47.57
33 05 63 00-0264	EA	11" x 18", 18" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	432.77	47.57
33 05 63 00-0265	EA	13" x 24", 12" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	495.59	71.35
33 05 63 00-0266	EA	11" x 18", 12" Depth, 22,500 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	397.79	47.57
33 05 63 00-0267	EA	11" x 18", 18" Depth, 22,500 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	447.61	47.57
<b>33 05 63 00-0268 Polymer Concrete Handhole Enclosure Extensions <small>(33 05 63 00-0069)</small></b>				
33 05 63 00-0269	EA	13" x 24", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	398.74	71.35
33 05 63 00-0270	EA	17" x 30", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	452.96	71.35
33 05 63 00-0271	EA	24" x 24", 6" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	511.14	95.14
33 05 63 00-0272	EA	24" x 24", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	564.37	95.14
33 05 63 00-0273	EA	24" x 36", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	656.67	130.81
33 05 63 00-0274	EA	36" x 36", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	1,185.07	226.71
33 05 63 00-0275	EA	30" x 48", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	1,126.88	226.71
33 05 63 00-0276	EA	30" x 48", 11" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	1,139.58	226.71
33 05 63 00-0277	EA	36" x 60", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	1,571.75	242.89
33 05 63 00-0278	EA	48" x 72", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	2,564.10	259.09
33 05 63 00-0279	EA	48" x 96", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	3,409.41	259.09
33 05 63 00-0280	EA	13" x 24", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	683.20	71.35
33 05 63 00-0281	EA	17" x 30", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	716.32	71.35
33 05 63 00-0282	EA	24" x 24", 6" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	753.79	95.14
33 05 63 00-0283	EA	24" x 24", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	807.59	95.14
33 05 63 00-0284	EA	24" x 36", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	922.80	130.81
33 05 63 00-0285	EA	30" x 48", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	1,502.97	226.71
33 05 63 00-0286	EA	13" x 24", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	521.30	71.35
33 05 63 00-0287	EA	17" x 30", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	586.62	71.35
33 05 63 00-0288	EA	24" x 36", 4" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	750.39	130.81
33 05 63 00-0289	EA	36" x 60", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	1,509.44	242.89
<b>33 05 63 00-0290 Polymer Concrete Handhole Enclosure Covers <small>(33 05 63 00-0069)</small></b>				
<b>33 05 63 00-0291 Polymer Concrete Handhole Enclosure Covers <small>(33 05 63 00-0290)</small></b>				
33 05 63 00-0292	EA	5" x 16", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	152.61	9.52
33 05 63 00-0293	EA	10" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	154.70	9.52
33 05 63 00-0294	EA	12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	142.76	9.52
33 05 63 00-0295	EA	8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	155.11	9.52
33 05 63 00-0296	EA	11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	156.69	9.51
33 05 63 00-0297	EA	13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	181.00	9.51
33 05 63 00-0298	EA	17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	211.07	9.51
33 05 63 00-0299	EA	30" x 59", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,417.13	29.14

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 05 63 00-0300	EA	30" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover .....	1,237.83	29.14
33 05 63 00-0301	EA	36" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover .....	1,862.33	29.14
33 05 63 00-0302	EA	48" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover .....	1,883.62	29.14
33 05 63 00-0303	EA	36" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover .....	2,136.31	29.14
33 05 63 00-0304	EA	48" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover .....	2,329.32	29.14
33 05 63 00-0305	EA	48" x 96", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover .....	3,754.36	29.14
33 05 63 00-0306	EA	10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover .....	129.50	9.51
33 05 63 00-0307	EA	11" x 18", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover .....	189.17	9.51
33 05 63 00-0308	EA	11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover .....	191.95	9.51
33 05 63 00-0309	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover .....	243.66	9.51
33 05 63 00-0310	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover .....	181.77	9.51
33 05 63 00-0311	EA	17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover .....	289.78	9.51
33 05 63 00-0312	EA	17" x 30", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover .....	225.72	9.51
33 05 63 00-0313	EA	27" Round, 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover .....	472.04	9.51
33 05 63 00-0314	EA	24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover .....	408.38	14.27
33 05 63 00-0315	EA	24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover .....	515.00	14.27
33 05 63 00-0316	EA	39" Round, 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover .....	665.31	16.65
33 05 63 00-0317	EA	36" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover .....	937.59	22.67
33 05 63 00-0318	EA	30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover .....	972.69	43.18
33 05 63 00-0319	EA	11" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover .....	246.76	9.51
33 05 63 00-0320	EA	13" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover .....	355.41	9.51
33 05 63 00-0321	EA	17" x 30", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover .....	405.56	9.51
33 05 63 00-0322	EA	27" Round, 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover .....	679.93	9.51
33 05 63 00-0323	EA	24" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover .....	554.94	14.27
33 05 63 00-0324	EA	39" Round, 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover .....	944.48	16.65
33 05 63 00-0325	EA	36" x 36", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover .....	1,239.99	22.67
33 05 63 00-0326	EA	30" x 59", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover .....	1,674.17	29.14
33 05 63 00-0327	EA	30" x 60", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover .....	1,486.32	29.14
33 05 63 00-0328	EA	36" x 60", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover .....	2,083.69	29.14
33 05 63 00-0329	EA	48" x 48", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover .....	2,719.00	29.14
33 05 63 00-0330	EA	36" x 72", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover .....	2,603.11	29.14
33 05 63 00-0331	EA	48" x 72", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover .....	3,961.26	29.14
33 05 63 00-0332	EA	48" x 96", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover .....	6,128.99	29.14
33 05 63 00-0333	EA	11" x 18", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover .....	327.26	9.51
33 05 63 00-0334	EA	11" x 20", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover .....	358.65	9.51
33 05 63 00-0335	EA	13" x 24", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover .....	474.90	9.51
33 05 63 00-0336	EA	17" x 30", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover .....	542.36	9.51
33 05 63 00-0337	EA	27" Round, 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover .....	943.56	9.51
33 05 63 00-0338	EA	24" x 24", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover .....	679.18	14.27
33 05 63 00-0339	EA	24" x 36", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover .....	933.18	14.27
33 05 63 00-0340	EA	39" Round, 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover .....	1,451.69	16.65
33 05 63 00-0341	EA	36" x 36", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover .....	1,660.94	22.67
33 05 63 00-0342	EA	30" x 48", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover .....	1,726.39	43.18
33 05 63 00-0343	EA	30" x 60", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover .....	1,997.59	29.14
33 05 63 00-0344	EA	36" x 60", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover .....	2,796.29	29.14
33 05 63 00-0345	EA	48" x 48", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover .....	3,919.69	29.14
33 05 63 00-0346	EA	36" x 72", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover .....	3,495.72	29.14
33 05 63 00-0347	EA	48" x 72", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover .....	5,805.60	29.14
33 05 63 00-0348	EA	48" x 96", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover .....	8,971.33	29.14

**33 05 63 00-0349 Polymer Concrete Handhole Enclosure Covers With Gaskets (33 05 63 00-0290)**

33 05 63 00-0350	EA	12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket .....	176.51	9.52
33 05 63 00-0351	EA	8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket .....	187.02	9.52
33 05 63 00-0352	EA	11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket .....	190.44	9.51
33 05 63 00-0353	EA	13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket .....	191.73	9.51
33 05 63 00-0354	EA	17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket .....	222.54	9.51
33 05 63 00-0355	EA	10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket .....	139.19	9.51
33 05 63 00-0356	EA	11" x 18", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket .....	199.11	9.51
33 05 63 00-0357	EA	11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket .....	201.03	9.51
33 05 63 00-0358	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket .....	253.90	9.51
33 05 63 00-0359	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket .....	192.91	9.51
33 05 63 00-0360	EA	17" x 30", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket .....	237.49	9.51
33 05 63 00-0361	EA	17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket .....	300.62	9.51
33 05 63 00-0362	EA	24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket .....	415.65	14.27
33 05 63 00-0363	EA	24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket .....	526.16	14.27
33 05 63 00-0364	EA	30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket .....	984.16	43.18
33 05 63 00-0365	EA	6" x 8", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket .....	114.56	9.52
33 05 63 00-0366	EA	8" x 8", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket .....	183.72	9.52
33 05 63 00-0367	EA	8" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket .....	205.29	9.52
33 05 63 00-0368	EA	12" x 12", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket .....	195.71	9.52
33 05 63 00-0369	EA	10" x 15", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket .....	159.79	9.51
33 05 63 00-0370	EA	11" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket .....	256.67	9.51
33 05 63 00-0371	EA	11" x 20", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket .....	279.06	9.51
33 05 63 00-0372	EA	13" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket .....	365.95	9.51
33 05 63 00-0373	EA	17" x 30", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket .....	417.00	9.51
33 05 63 00-0374	EA	24" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket .....	565.18	14.27
33 05 63 00-0375	EA	24" x 36", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket .....	708.75	14.27
33 05 63 00-0376	EA	30" x 48", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket .....	1,301.40	43.18

**33 05 63 00-0377 Polymer Concrete Handhole Enclosure Covers Without Bolts (33 05 63 00-0290)**

33 05 63 00-0378	EA	6" x 9", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts .....	90.77	9.52
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MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

33 05 63 00-0379	EA	7" x 13", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	109.37	9.52
33 05 63 00-0380	EA	12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	134.42	9.52
33 05 63 00-0381	EA	8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	145.56	9.52
33 05 63 00-0382	EA	11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	145.25	9.51
33 05 63 00-0383	EA	13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	173.78	9.51
33 05 63 00-0384	EA	17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	201.82	9.51
33 05 63 00-0385	EA	24" x 36", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	496.73	14.27
33 05 63 00-0386	EA	30" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	930.93	43.18
33 05 63 00-0387	EA	30" x 59", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,401.46	29.14
33 05 63 00-0388	EA	30" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,220.13	29.14
33 05 63 00-0389	EA	48" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,833.22	29.14
33 05 63 00-0390	EA	36" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,768.39	29.14
33 05 63 00-0391	EA	36" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	2,119.41	29.14
33 05 63 00-0392	EA	48" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	2,266.88	29.14
33 05 63 00-0393	EA	48" x 96", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	3,634.35	29.14
33 05 63 00-0394	EA	10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	124.21	9.51
33 05 63 00-0395	EA	10" x 16", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	121.11	9.51
33 05 63 00-0396	EA	11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	182.48	9.51
33 05 63 00-0397	EA	11" x 21", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	201.27	9.51
33 05 63 00-0398	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	228.82	9.51
33 05 63 00-0399	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover Without Bolts	172.16	9.51
33 05 63 00-0400	EA	18" x 19", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	192.91	9.51
33 05 63 00-0401	EA	17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	276.78	9.51
33 05 63 00-0402	EA	24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	399.96	14.27
33 05 63 00-0403	EA	20" x 42", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	502.51	14.27
33 05 63 00-0404	EA	24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	496.42	14.27
33 05 63 00-0405	EA	36" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	899.51	22.67
33 05 63 00-0406	EA	30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,930.93	25.90

**33 05 63 00-0407** Overlapping, Polymer Concrete Handhole Enclosure Covers (33 05 63 00-0290)

33 05 63 00-0408	EA	30" x 60", 5,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,459.87	29.14
33 05 63 00-0409	EA	36" x 60", 5,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	2,121.58	29.14
33 05 63 00-0410	EA	30" x 48", 8,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,224.01	43.18
33 05 63 00-0411	EA	30" x 48", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,627.95	43.18
33 05 63 00-0412	EA	30" x 60", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,737.72	29.14
33 05 63 00-0413	EA	36" x 60", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	2,374.57	29.14

**33 05 63 00-0414** Split, Polymer Concrete Handhole Enclosure Covers (33 05 63 00-0290)

33 05 63 00-0415	EA	24" x 36", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	565.37	14.27
33 05 63 00-0416	EA	36" x 36", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	1,056.77	22.67
33 05 63 00-0417	EA	30" x 48", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	1,103.64	43.18
33 05 63 00-0418	EA	6" x 8", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	85.59	9.52
33 05 63 00-0419	EA	8" x 8", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	146.55	9.52
33 05 63 00-0420	EA	12" x 12", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	161.97	9.52
33 05 63 00-0421	EA	8" x 18", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	172.17	9.52
33 05 63 00-0422	EA	10" x 15", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	150.19	9.51
33 05 63 00-0423	EA	11" x 20", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	269.97	9.51
33 05 63 00-0424	EA	24" x 36", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	761.21	14.27
33 05 63 00-0425	EA	36" x 36", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	1,409.96	22.67
33 05 63 00-0426	EA	30" x 48", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	1,476.31	43.18

**33 05 63 00-0427** Precast Concrete Handholes With Steel Cover (33 05 63 00-0068)

Note: 8000 To 12000 pound traffic rated top. Includes cover stamped with utility (Electrical, Sewer, Water, Etc.).				
33 05 63 00-0428	EA	12" x 12" x 12" Precast Concrete Handholes With Steel Cover	752.29	230.19
Note: 8000 To 12000 pound traffic rated top.				
For 15,000 to 22,500 Pound Traffic Rated Top, Add			18.00	
33 05 63 00-0429	EA	12" x 24" x 21" Precast Concrete Handholes With Steel Cover	1,247.40	345.30
Note: 8000 To 12000 pound traffic rated top.				
For 15,000 to 22,500 Pound Traffic Rated Top, Add			103.39	
33 05 63 00-0430	EA	18" x 30" x 18" Precast Concrete Handholes With Steel Cover	1,529.24	460.39
Note: 8000 To 12000 pound traffic rated top.				
For 15,000 to 22,500 Pound Traffic Rated Top, Add			180.15	
33 05 63 00-0431	EA	24" x 24" x 24" Precast Concrete Handholes With Steel Cover	1,581.18	460.39
Note: 8000 To 12000 pound traffic rated top.				
For 15,000 to 22,500 Pound Traffic Rated Top, Add			227.07	
33 05 63 00-0432	EA	24" x 24" x 30" Precast Concrete Handholes With Steel Cover	1,872.88	575.49
Note: 8000 To 12000 pound traffic rated top.				
For 15,000 to 22,500 Pound Traffic Rated Top, Add			272.93	
33 05 63 00-0433	EA	30" x 36" x 30" Precast Concrete Handholes With Steel Cover	1,959.51	575.49
Note: 8000 To 12000 pound traffic rated top.				
For 15,000 to 22,500 Pound Traffic Rated Top, Add			301.36	
33 05 63 00-0434	EA	36" x 36" x 48" Precast Concrete Handholes With Steel Cover	2,274.65	690.59
Note: 8000 To 12000 pound traffic rated top.				
For 15,000 to 22,500 Pound Traffic Rated Top, Add			351.65	
33 05 63 00-0435	EA	48" x 48" x 48" Precast Concrete Handholes With Steel Cover	2,616.91	805.69
Note: 8000 To 12000 pound traffic rated top.				
For 15,000 to 22,500 Pound Traffic Rated Top, Add			495.30	
33 05 63 00-0436	EA	48" x 72" x 36" Precast Concrete Handholes With Steel Cover	2,530.75	690.59
Note: 8000 To 12000 pound traffic rated top.				
For 15,000 to 22,500 Pound Traffic Rated Top, Add			540.97	
33 05 63 00-0437	EA	54" x 38" x 24" Precast Concrete Handholes With Steel Cover	2,552.78	690.59
Note: 8000 To 12000 pound traffic rated top.				
For 15,000 to 22,500 Pound Traffic Rated Top, Add			370.77	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 05 63 00-0438	EA	6" Diameter Precast Concrete Handholes With Steel Cover ..... Note: 8000 To 12000 pound traffic rated top. <i>For 15,000 to 22,500 Pound Traffic Rated Top, Add</i>	611.33	230.19
			15.00	
33 05 63 00-0439	EA	9" Diameter Precast Concrete Handholes With Steel Cover ..... Note: 8000 To 12000 pound traffic rated top. <i>For 15,000 to 22,500 Pound Traffic Rated Top, Add</i>	715.28	258.97
			15.00	
33 05 63 00-0440	EA	12" Diameter Precast Concrete Handholes With Steel Cover ..... Note: 8000 To 12000 pound traffic rated top. <i>For 15,000 to 22,500 Pound Traffic Rated Top, Add</i>	865.61	287.74
			15.00	

### 33 05 81 Metallic Castings for Utility Structures (33 05)

#### 33 05 81 00-0001 Manhole Accessories (33 05 81)

##### 33 05 81 00-0002 Steps For Cast-In-Place Manholes (33 05 81 00-0001)

See CSI section 33 01 30 81-0037 for installation of steps in existing manholes.

33 05 81 00-0003	EA	Cast Iron Manhole Step For New Manholes .....	99.78	
33 05 81 00-0004	EA	Galvanized Steel Manhole Step For New Manholes .....	57.56	
33 05 81 00-0005	EA	Aluminum Manhole Step For New Manholes .....	66.30	

#### 33 05 81 00-0006 Manhole Covers And Frames (33 05 81)

Note: Includes moisture-tight masonry joints and waterproof grouting.

##### 33 05 81 00-0007 Regular Manhole Covers And Frames (33 05 81 00-0006)

33 05 81 00-0008	EA	18" Square, Gray Iron, Manhole Cover With Frame ..... <i>For Ductile Iron Castings, Add</i>	1,223.61	84.39
			677.92	
33 05 81 00-0009	EA	18" Diameter, Gray Iron, Manhole Cover With Frame ..... <i>For Ductile Iron Castings, Add</i>	725.24	84.39
			329.06	
33 05 81 00-0010	EA	24" Diameter, Gray Iron, Manhole Cover With Frame ..... <i>For Ductile Iron Castings, Add</i>	837.93	98.13
			380.46	
33 05 81 00-0011	EA	24" Square, Gray Iron, Manhole Cover With Frame ..... <i>For Ductile Iron Castings, Add</i>	1,271.49	108.93
			661.06	
33 05 81 00-0012	EA	26" Diameter, Gray Iron, Manhole Cover With Frame ..... <i>For Ductile Iron Castings, Add</i>	1,103.88	117.76
			524.43	
33 05 81 00-0013	EA	30" Diameter, Gray Iron, Manhole Cover With Frame ..... <i>For Ductile Iron Castings, Add</i>	1,150.96	122.67
			548.07	

##### 33 05 81 00-0014 Watertight Type Manhole Covers And Frames (33 05 81 00-0006)

33 05 81 00-0015	EA	20" Diameter, Gray Iron, Watertight Manhole Cover With Frame ..... <i>For Ductile Iron Castings, Add</i>	1,346.76	69.67
			748.60	
33 05 81 00-0016	EA	22" Diameter, Gray Iron, Watertight Manhole Cover With Frame ..... <i>For Ductile Iron Castings, Add</i>	1,373.11	69.67
			751.05	
33 05 81 00-0017	EA	24" Diameter, Gray Iron, Watertight Manhole Cover With Frame ..... <i>For Ductile Iron Castings, Add</i>	1,407.13	81.46
			756.01	
33 05 81 00-0018	EA	26" Diameter, Gray Iron, Watertight Manhole Cover With Frame ..... <i>For Ductile Iron Castings, Add</i>	1,664.38	91.26
			916.78	
33 05 81 00-0019	EA	30" Diameter, Gray Iron, Watertight Manhole Cover With Frame ..... <i>For Ductile Iron Castings, Add</i>	1,914.10	93.23
			1,082.27	
33 05 81 00-0020	EA	32" Diameter, Gray Iron, Watertight Manhole Cover With Frame ..... <i>For Ductile Iron Castings, Add</i>	2,009.91	95.19
			1,145.97	
33 05 81 00-0021	EA	36" Diameter, Gray Iron, Watertight Manhole Cover With Frame ..... <i>For Ductile Iron Castings, Add</i>	2,095.99	98.13
			1,202.72	

##### 33 05 81 00-0022 Aluminum Manhole Covers And Frames (33 05 81 00-0006)

33 05 81 00-0023	EA	12" Square Aluminum Manhole Cover With Frame .....	762.27	28.47
33 05 81 00-0024	EA	18" Square Aluminum Manhole Cover With Frame .....	1,374.41	31.52
33 05 81 00-0025	EA	24" Square Aluminum Manhole Cover With Frame .....	1,962.11	36.60

##### 33 05 81 00-0026 Removal And Reinstallation Of Manhole Cover And Frame (33 05 81 00-0006)

Note: Includes surrounding asphalt removal and repair. Excludes saw cutting.

33 05 81 00-0027	EA	Removal And Reinstallation Of Manhole Cover And Frame .....	393.46	
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### 33 05 83 Non-Metallic Accessories for Utility Structures (33 05)

#### 33 05 83 00-0001 Manhole Accessories (33 05 83)

##### 33 05 83 00-0002 Steps For Cast-In-Place Manholes (33 05 83 00-0001)

See CSI section 33 01 30 81-0037 for installation of steps in existing manholes.

33 05 83 00-0003	EA	Polypropylene Manhole Step For New Manholes .....	44.53	
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#### 33 05 83 00-0004 Rainguard Inflow Protectors (33 05 83)

33 05 83 00-0005	EA	18" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors .....	119.98	20.32
33 05 83 00-0006	EA	22" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors .....	138.95	20.32
33 05 83 00-0007	EA	24" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors .....	166.14	24.38
33 05 83 00-0008	EA	26" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors .....	178.13	24.38
33 05 83 00-0009	EA	30" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors .....	221.11	28.44
33 05 83 00-0010	EA	32" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors .....	235.83	28.44

### 33 05 84 Accessories for Utility Structures (33 05)

**33 Utilities****33 05 Common Work Results for Utilities****33 05 84 Accessories for Utility Structures**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

See CSI section 22 13 19 26-0044 for oil interceptors, 22 13 23 00-0000 for sediment interceptors, 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 05 84 00-0001	Manhole Accessories <small>(33 05 84)</small>		
33 05 84 00-0002	Precast Concrete Manhole Tops <small>(33 05 84 00-0001)</small>		
33 05 84 00-0003	Precast Concrete Manhole Slab Tops <small>(33 05 84 00-0002)</small>		
33 05 84 00-0004	EA 3' Diameter x 8" Thick Precast Manhole Top Slab	574.53	73.60
33 05 84 00-0005	EA 4' Diameter x 8" Thick Precast Manhole Top Slab	816.73	79.49
33 05 84 00-0006	EA 5' Diameter x 8" Thick Precast Manhole Top Slab	1,118.12	85.38
33 05 84 00-0007	EA 6' Diameter x 8" Thick Precast Manhole Top Slab	1,344.94	91.26
33 05 84 00-0008	Precast Concrete Manhole Cone Tops <small>(33 05 84 00-0002)</small>		
33 05 84 00-0009	EA 3' Diameter x 8" Thick Precast Manhole Top Cone	928.26	92.00
33 05 84 00-0010	EA 3'-6" Diameter x 8" Thick Precast Manhole Top Cone	1,036.35	95.68
33 05 84 00-0011	EA 4' Diameter x 8" Thick Precast Manhole Top Cone	1,144.45	99.37
33 05 84 00-0012	EA 5' Diameter x 8" Thick Precast Manhole Top Cone	1,355.72	105.49
33 05 84 00-0013	EA 6' Diameter x 8" Thick Precast Manhole Top Cone	1,571.92	112.86
33 05 84 00-0014	Precast Concrete Manhole Reducer Slabs <small>(33 05 84 00-0002)</small>		
33 05 84 00-0015	EA 5' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	1,041.83	85.38
33 05 84 00-0016	EA 6' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	1,333.72	91.26
33 05 84 00-0017	EA 7' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	1,748.30	91.26
33 05 84 00-0018	EA 8' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	2,744.42	91.26
33 05 84 00-0019	EA 10' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	3,519.38	91.26
33 05 84 00-0020	EA 12' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	5,079.92	91.26
33 05 84 00-0021	Pipe To Manhole Connector <small>(33 05 84 00-0001)</small>		
33 05 84 00-0022	Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connectors <small>(33 05 84 00-0021)</small>		
33 05 84 00-0023	EA 4" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	78.71	
33 05 84 00-0024	EA 6" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	114.88	
33 05 84 00-0025	EA 8" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	129.55	
33 05 84 00-0026	EA 10" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	194.36	
33 05 84 00-0027	EA 12" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	270.96	
33 05 84 00-0028	EA 15" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	359.24	
33 05 84 00-0029	EA 18" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	643.26	
33 05 84 00-0030	EA 21" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	892.41	
33 05 84 00-0031	EA 24" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	1,403.09	
33 05 84 00-0032	EA 27" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	1,653.50	
33 05 84 00-0033	Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout <small>(33 05 84 00-0021)</small>		
	Note: Fernco CMA.		
33 05 84 00-0034	EA 4" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	99.28	
33 05 84 00-0035	EA 6" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	137.62	
33 05 84 00-0036	EA 8" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	173.82	
33 05 84 00-0037	EA 10" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	209.85	
33 05 84 00-0038	EA 12" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	243.49	
33 05 84 00-0039	Brick And Grout Pipe To Manhole Connector <small>(33 05 84 00-0021)</small>		
33 05 84 00-0040	EA Seal Gap Between Pipe And Structure With Brick And Grout	253.11	
33 05 84 00-0041	Inverts For Manholes <small>(33 05 84 00-0001)</small>		
33 05 84 00-0042	EA Single Channel Concrete Invert For Manholes	409.81	
33 05 84 00-0043	EA Double Channel Concrete Invert For Manholes	591.17	
33 05 84 00-0044	EA Triple Channel Concrete Invert For Manholes	796.16	
33 05 84 00-0045	EA Quad Channel Concrete Invert For Manholes	1,001.08	
33 05 84 00-0046	EA Single Channel Brick Invert For Manholes	591.85	
33 05 84 00-0047	EA Double Channel Brick Invert For Manholes	886.15	
33 05 84 00-0048	EA Triple Channel Brick Invert For Manholes	1,185.52	
33 05 84 00-0049	EA Quad Channel Brick Invert For Manholes	1,481.38	
33 05 84 00-0050	Protective Coating For New Manholes <small>(33 05 84 00-0001)</small>		
33 05 84 00-0051	Polyurethane Protective Coating For New Manholes <small>(33 05 84 00-0050)</small>		
33 05 84 00-0052	VLF 60 Mil Polyurethane Coating Of 3' Diameter Manhole Interior	184.22	
	For 80 Mil Material, Add	26.62	
	For 100 Mil Material, Add	53.25	
	For 125 Mil Material, Add	84.01	
	For 150 Mil Material, Add	114.76	
	For 200 Mil Material, Add	169.54	
	For 2 To 5 Manholes, Deduct	-12.58	
	For 6 To 10 Manholes, Deduct	-20.55	
	For >10 Manholes, Deduct	-41.10	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 84 00-0053 VLF 60 Mil Polyurethane Coating Of 3-1/2' Diameter Manhole Interior.....	222.45	
For 80 Mil Material, Add	31.64	
For 100 Mil Material, Add	63.28	
For 125 Mil Material, Add	99.74	
For 150 Mil Material, Add	136.20	
For 200 Mil Material, Add	200.90	
For 2 To 5 Manholes, Deduct	-15.24	
For 6 To 10 Manholes, Deduct	-24.91	
For >10 Manholes, Deduct	-49.82	
33 05 84 00-0054 VLF 60 Mil Polyurethane Coating Of 4' Diameter Manhole Interior .....	245.61	
For 80 Mil Material, Add	35.50	
For 100 Mil Material, Add	70.99	
For 125 Mil Material, Add	112.00	
For 150 Mil Material, Add	153.00	
For 200 Mil Material, Add	226.04	
For 2 To 5 Manholes, Deduct	-16.77	
For 6 To 10 Manholes, Deduct	-27.40	
For >10 Manholes, Deduct	-54.79	
33 05 84 00-0055 VLF 60 Mil Polyurethane Coating Of 5' Diameter Manhole Interior .....	307.07	
For 80 Mil Material, Add	44.39	
For 100 Mil Material, Add	88.78	
For 125 Mil Material, Add	140.06	
For 150 Mil Material, Add	191.34	
For 200 Mil Material, Add	282.68	
For 2 To 5 Manholes, Deduct	-20.96	
For 6 To 10 Manholes, Deduct	-34.25	
For >10 Manholes, Deduct	-68.50	
33 05 84 00-0056 VLF 60 Mil Polyurethane Coating Of 6' Diameter Manhole Interior .....	356.50	
For 80 Mil Material, Add	52.36	
For 100 Mil Material, Add	104.73	
For 125 Mil Material, Add	165.36	
For 150 Mil Material, Add	225.99	
For 200 Mil Material, Add	334.39	
For 2 To 5 Manholes, Deduct	-24.26	
For 6 To 10 Manholes, Deduct	-39.60	
For >10 Manholes, Deduct	-79.21	
<b>33 05 84 00-0057 Polyvinyl Chloride (PVC) Liner</b> (33 05 84 00-0050)		
Note: For new manholes and shop applied.		
33 05 84 00-0058 VLF 3' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole .....	233.09	
33 05 84 00-0059 VLF 3-1/2' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole .....	285.73	
33 05 84 00-0060 VLF 4' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole .....	348.69	
33 05 84 00-0061 VLF 5' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole .....	437.89	
33 05 84 00-0062 VLF 6' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole .....	527.08	
33 05 84 00-0063 SF Polyvinyl Chloride (PVC) Liner At Structures .....	36.99	
<b>33 05 84 00-0064 Concrete Grade Extensions/Grade Rings</b> (33 05 84 00-0001)		
<b>33 05 84 00-0065 18" Diameter, Concrete Grade Extensions/Grade Rings</b> (33 05 84 00-0064)		
33 05 84 00-0066 EA 4" Rise, 18" Diameter, Concrete Grade Extensions/Grade Rings.....	84.09	
33 05 84 00-0067 EA 6" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring .....	92.07	
33 05 84 00-0068 EA 8" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring .....	100.06	
33 05 84 00-0069 EA 10" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring .....	108.04	
<b>33 05 84 00-0070 24" Diameter, Concrete Grade Extensions/Grade Rings</b> (33 05 84 00-0064)		
33 05 84 00-0071 EA 4" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring .....	94.45	
33 05 84 00-0072 EA 6" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring .....	103.52	
33 05 84 00-0073 EA 8" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring .....	112.59	
33 05 84 00-0074 EA 10" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring .....	121.67	
<b>33 05 84 00-0075 30" Diameter, Concrete Grade Extensions/Grade Rings</b> (33 05 84 00-0064)		
33 05 84 00-0076 EA 4" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring .....	104.57	
33 05 84 00-0077 EA 6" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring .....	114.69	
33 05 84 00-0078 EA 8" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring .....	124.81	
33 05 84 00-0079 EA 10" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring .....	134.93	
<b>33 05 84 00-0080 Bentonite Collar</b> (33 05 84 00-0001)		
<b>33 05 84 00-0081 Bentonite Collar At Manhole Connections</b> (33 05 84 00-0080)		
33 05 84 00-0082 EA Up To 12" Pipe, Bentonite Collar At Manhole Connection.....	134.22	
33 05 84 00-0083 EA >12" To 21", Bentonite Collar At Manhole Connection .....	212.69	
33 05 84 00-0084 EA >21" To 30" Pipe, Bentonite Collar At Manhole Connection .....	337.74	
33 05 84 00-0085 EA >30" To 36" Pipe, Bentonite Collar At Manhole Connection .....	790.28	
33 05 84 00-0086 EA >36" To 48" Pipe, Bentonite Collar At Manhole Connection .....	1,228.49	
33 05 84 00-0087 EA >48" To 60" Pipe, Bentonite Collar At Manhole Connection .....	2,229.61	
<b>33 05 84 00-0088 Waste Water Collection System Taps</b> (33 05 84)		
Note: For tapping existing structures only. Includes grout.		
<b>33 05 84 00-0089 Brick Manhole Taps</b> (33 05 84 00-0088)		
33 05 84 00-0090 EA 4" Tap In 6" Brick Manhole .....	499.82	
33 05 84 00-0091 EA 6" Tap In 6" Brick Manhole .....	558.72	

**33 Utilities****33 05 Common Work Results for Utilities****33 05 84 Accessories for Utility Structures**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

33 05 84 00-0092	EA	8" Tap In 6" Brick Manhole.....	616.57	
33 05 84 00-0093	EA	10" Tap In 6" Brick Manhole.....	674.30	
33 05 84 00-0094	EA	12" Tap In 6" Brick Manhole.....	743.43	
33 05 84 00-0095	EA	15" Tap In 6" Brick Manhole.....	801.04	

**33 05 84 00-0096 Precast Concrete Manhole Tap (33 05 84 00-0088)**

33 05 84 00-0097	EA	4" Tap In Existing Precast Concrete Manhole.....	733.29	
33 05 84 00-0098	EA	6" Tap In Existing Precast Concrete Manhole.....	821.63	
33 05 84 00-0099	EA	8" Tap In Existing Precast Concrete Manhole.....	918.50	
33 05 84 00-0100	EA	10" Tap In Existing Precast Concrete Manhole.....	1,005.10	
33 05 84 00-0101	EA	12" Tap In Existing Precast Concrete Manhole.....	1,091.53	
33 05 84 00-0102	EA	15" Tap In Existing Precast Concrete Manhole.....	1,180.05	
33 05 84 00-0103	EA	18" Tap In Existing Precast Concrete Manhole.....	1,357.14	
33 05 84 00-0104	EA	24" Tap In Existing Precast Concrete Manhole.....	1,743.82	

**33 05 97 Identification and Signage for Utilities (33 05)****33 05 97 23 Utility Identification Warning Tape (33 05 97)****33 05 97 23-0001 Non-Detectable Utility Warning Tape (33 05 97 23)**

Note: Labor installation is included with pipe and excavation..

33 05 97 23-0002	CLF	3" Non-Detectable Utility Warning Tape.....	6.90	
33 05 97 23-0003	CLF	6" Non-Detectable Utility Warning Tape.....	9.62	

**33 05 97 23-0004 Detectable Utility Warning Tape (33 05 97 23)**

Note: Labor installation is included with pipe and excavation..

33 05 97 23-0005	CLF	2" Detectable Utility Warning Tape.....	6.97	
33 05 97 23-0006	CLF	3" Detectable Utility Warning Tape.....	9.46	
33 05 97 23-0007	CLF	6" Detectable Utility Warning Tape.....	15.00	

**33 10 Water Utilities (33)****33 11 Groundwater Sources (33 10)****33 11 13 Potable Water Supply Wells (33 11)****33 11 13 00-0001 Submersible Well Pumps (33 11 13)**

Note: Includes pump end, motor and control box.

**33 11 13 00-0002 4" Submersible Well Pumps (33 11 13 00-0001)****33 11 13 00-0003 Powder Coated Case And Cast Iron Ends (33 11 13 00-0002)**

33 11 13 00-0004	EA	1/2 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends.....	1,332.15	451.32
33 11 13 00-0005	EA	3/4 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends.....	1,519.08	500.24
33 11 13 00-0006	EA	1 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends.....	1,685.92	555.82

**33 11 13 00-0007 Stainless Steel Case And Ends (33 11 13 00-0002)**

33 11 13 00-0008	EA	1/2 HP Submersible Well Pump, 4" Diameter Stainless Steel.....	1,505.03	444.66
33 11 13 00-0009	EA	3/4 HP Submersible Well Pump, 4" Diameter Stainless Steel.....	1,716.85	500.24
33 11 13 00-0010	EA	1 HP Submersible Well Pump, 4" Diameter Stainless Steel.....	1,925.11	555.82
33 11 13 00-0011	EA	1-1/2 HP Submersible Well Pump, 4" Diameter Stainless Steel.....	2,206.78	611.39
33 11 13 00-0012	EA	2 HP Submersible Well Pump, 4" Diameter Stainless Steel.....	2,499.11	666.97
33 11 13 00-0013	EA	3 HP Submersible Well Pump, 4" Diameter Stainless Steel.....	3,076.67	778.14
33 11 13 00-0014	EA	5 HP Submersible Well Pump, 4" Diameter Stainless Steel.....	3,875.64	889.30

**33 11 13 00-0015 6" Submersible Well Pumps (33 11 13 00-0001)**

33 11 13 00-0016	EA	5 HP Submersible Well Pump, 6" Diameter Stainless Steel.....	3,753.12	1,111.63
33 11 13 00-0017	EA	7.5 HP Submersible Well Pump, 6" Diameter Stainless Steel.....	4,331.72	1,222.79
33 11 13 00-0018	EA	10 HP Submersible Well Pump, 6" Diameter Stainless Steel.....	4,933.10	1,333.96
33 11 13 00-0019	EA	15 HP Submersible Well Pump, 6" Diameter Stainless Steel.....	6,226.74	1,556.29

**33 14 Water Utility Transmission and Distribution (33 10)****33 14 11 Water Utility Transmission Piping (33 14)**

See CSI section 33 14 13 00-0000 for water utility transmission piping.

**33 14 13 Public Water Utility Distribution Piping (33 14)**

Note: Piping includes hydrostatic testing, disinfecting and warning tape. Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

**33 14 13 13 Ductile Iron Public Water Utility Distribution Piping (33 14 13)****33 14 13 13-0001 Ductile Iron Piping (33 14 13 13)****33 14 13 13-0002 Mechanical Joint Ductile Iron Piping (33 14 13 13-0001)**

Note: Cement lining and bituminous coating shall conform to ANSI A21.4. Fittings are C153. See CSI section 33 14 13 13-0355 for bolts and gaskets.

**33 14 13 13-0003 Mechanical Joint Ductile Iron Pipe (33 14 13 13-0002)**

Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D.



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0004	LF	3", Class 51, Mechanical Joint Ductile Iron Pipe.....	35.71	12.02
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	12.27	
		For Cement Mortar Lining (CML), Add	1.75	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	9.47	
		For Fusion Bonded Epoxy Lining (206N), Add	3.16	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.31	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	-1.79	
		For Class 52, Add	5.63	
		For Class 53, Add	10.08	
		For Class 54, Add	14.34	
		For Class 55, Add	16.54	
		For Class 56, Add	18.69	
33 14 13 13-0005	LF	4", Class 50, Mechanical Joint Ductile Iron Pipe.....	38.64	12.80
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	13.48	
		For Cement Mortar Lining (CML), Add	1.93	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	10.40	
		For Fusion Bonded Epoxy Lining (206N), Add	3.47	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.44	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	-1.93	
		For Class 51, Add	2.87	
		For Class 52, Add	6.17	
		For Class 53, Add	11.05	
		For Class 54, Add	15.73	
		For Class 55, Add	18.13	
		For Class 56, Add	20.49	
33 14 13 13-0006	LF	6", Class 50, Mechanical Joint Ductile Iron Pipe.....	41.21	13.43
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	14.64	
		For Cement Mortar Lining (CML), Add	2.09	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	11.29	
		For Fusion Bonded Epoxy Lining (206N), Add	3.76	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.57	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	-2.06	
		For Class 51, Add	3.10	
		For Class 52, Add	6.68	
		For Class 53, Add	11.97	
		For Class 54, Add	17.04	
		For Class 55, Add	19.64	
		For Class 56, Add	22.19	
33 14 13 13-0007	LF	8", Class 50, Mechanical Joint Ductile Iron Pipe.....	47.90	13.96
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	18.73	
		For Cement Mortar Lining (CML), Add	2.68	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	14.45	
		For Fusion Bonded Epoxy Lining (206N), Add	4.82	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.01	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	-2.40	
		For Class 51, Add	3.91	
		For Class 52, Add	8.42	
		For Class 53, Add	15.13	
		For Class 54, Add	21.56	
		For Class 55, Add	24.82	
		For Class 56, Add	28.03	
33 14 13 13-0008	LF	10", Class 50, Mechanical Joint Ductile Iron Pipe.....	64.79	19.79
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	20.88	
		For Cement Mortar Lining (CML), Add	3.48	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	17.40	
		For Fusion Bonded Epoxy Lining (206N), Add	6.26	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.61	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	-3.24	
		For Class 51, Add	5.12	
		For Class 52, Add	11.02	
		For Class 53, Add	19.77	
		For Class 54, Add	28.17	
		For Class 55, Add	32.45	
		For Class 56, Add	36.65	

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
33 14 13 13-0009	LF 12", Class 50, Mechanical Joint Ductile Iron Pipe.....	77.76	21.99
	For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	22.22	
	For Cement Mortar Lining (CML), Add	4.44	
	Note: ANSI/AWWA C104/A21.4		
	For 40 Mil Ceramic Epoxy Lining (P401), Add	17.78	
	For Fusion Bonded Epoxy Lining (206N), Add	8.00	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.33	
	Note: ANSI/AWWA C151/A21.51		
	For >1,000, Deduct	-3.89	
	For Class 51, Add	6.47	
	For Class 52, Add	13.95	
	For Class 53, Add	25.06	
	For Class 54, Add	35.72	
	For Class 55, Add	41.12	
	For Class 56, Add	46.43	
33 14 13 13-0010	LF 14", Class 50, Mechanical Joint Ductile Iron Pipe.....	92.60	24.69
	For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	24.25	
	For Cement Mortar Lining (CML), Add	5.51	
	Note: ANSI/AWWA C104/A21.4		
	For 40 Mil Ceramic Epoxy Lining (P401), Add	18.74	
	For Fusion Bonded Epoxy Lining (206N), Add	9.92	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.13	
	Note: ANSI/AWWA C151/A21.51		
	For >1,000, Deduct	-4.63	
	For Class 51, Add	7.98	
	For Class 52, Add	17.20	
	For Class 53, Add	30.94	
	For Class 54, Add	44.11	
	For Class 55, Add	50.76	
	For Class 56, Add	57.29	
33 14 13 13-0011	LF 16", Class 50, Mechanical Joint Ductile Iron Pipe.....	104.63	28.29
	For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	25.33	
	For Cement Mortar Lining (CML), Add	6.18	
	Note: ANSI/AWWA C104/A21.4		
	For 40 Mil Ceramic Epoxy Lining (P401), Add	19.15	
	For Fusion Bonded Epoxy Lining (206N), Add	11.12	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.63	
	Note: ANSI/AWWA C151/A21.51		
	For >1,000, Deduct	-5.23	
	For Class 51, Add	8.96	
	For Class 52, Add	19.31	
	For Class 53, Add	34.72	
	For Class 54, Add	49.50	
	For Class 55, Add	56.96	
	For Class 56, Add	64.29	
33 14 13 13-0012	LF 18", Class 50, Mechanical Joint Ductile Iron Pipe.....	129.22	32.99
	For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	32.49	
	For Cement Mortar Lining (CML), Add	7.92	
	Note: ANSI/AWWA C104/A21.4		
	For 40 Mil Ceramic Epoxy Lining (P401), Add	24.56	
	For Fusion Bonded Epoxy Lining (206N), Add	14.26	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.94	
	Note: ANSI/AWWA C151/A21.51		
	For >1,000, Deduct	-6.46	
	For Class 51, Add	11.43	
	For Class 52, Add	24.63	
	For Class 53, Add	44.34	
	For Class 54, Add	63.23	
	For Class 55, Add	72.74	
	For Class 56, Add	82.08	
33 14 13 13-0013	LF 20", Class 50, Mechanical Joint Ductile Iron Pipe.....	147.23	39.59
	For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	33.16	
	For Cement Mortar Lining (CML), Add	8.73	
	Note: ANSI/AWWA C104/A21.4		
	For 40 Mil Ceramic Epoxy Lining (P401), Add	24.43	
	For Fusion Bonded Epoxy Lining (206N), Add	15.71	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.54	
	Note: ANSI/AWWA C151/A21.51		
	For >1,000, Deduct	-7.36	
	For Class 51, Add	12.64	
	For Class 52, Add	27.25	
	For Class 53, Add	49.01	
	For Class 54, Add	69.87	
	For Class 55, Add	80.41	
	For Class 56, Add	90.75	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0014 LF 24", Class 50, Mechanical Joint Ductile Iron Pipe.....	192.08	49.48
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	36.30	
For Cement Mortar Lining (CML), Add	11.71	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	24.59	
For Fusion Bonded Epoxy Lining (206N), Add	21.08	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.78	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-9.60	
For Class 51, Add	16.90	
For Class 52, Add	36.43	
For Class 53, Add	65.57	
For Class 54, Add	93.50	
For Class 55, Add	107.57	
For Class 56, Add	121.39	
<b>33 14 13 13-0015 Mechanical Joint Ductile Iron 90 Degree Elbow</b> <small>(33 14 13 13-0002)</small>		
33 14 13 13-0016 EA 3" Mechanical Joint Ductile Iron 90 Degree Elbow .....	154.62	37.95
For Cement Mortar Lining (CML), Add	9.71	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	17.48	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.28	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0017 EA 4" Mechanical Joint Ductile Iron 90 Degree Elbow .....	174.39	45.35
For Cement Mortar Lining (CML), Add	10.57	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	19.02	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.93	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0018 EA 6" Mechanical Joint Ductile Iron 90 Degree Elbow .....	274.29	67.02
For Cement Mortar Lining (CML), Add	17.28	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	31.10	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	12.96	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0019 EA 8" Mechanical Joint Ductile Iron 90 Degree Elbow .....	371.84	79.50
For Cement Mortar Lining (CML), Add	25.13	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	45.24	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	18.85	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0020 EA 10" Mechanical Joint Ductile Iron 90 Degree Elbow .....	532.80	87.76
For Cement Mortar Lining (CML), Add	39.99	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	71.97	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	29.99	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0021 EA 12" Mechanical Joint Ductile Iron 90 Degree Elbow .....	694.32	102.95
For Cement Mortar Lining (CML), Add	53.84	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	96.91	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	40.38	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0022 EA 14" Mechanical Joint Ductile Iron 90 Degree Elbow .....	1,076.04	115.45
For Cement Mortar Lining (CML), Add	90.11	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	162.20	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	67.58	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0023 EA 16" Mechanical Joint Ductile Iron 90 Degree Elbow .....	1,423.77	131.95
For Cement Mortar Lining (CML), Add	122.39	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	220.29	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	91.79	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0024 EA 18" Mechanical Joint Ductile Iron 90 Degree Elbow .....	1,753.61	184.72
For Cement Mortar Lining (CML), Add	147.38	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	265.28	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	110.53	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0025 EA 20" Mechanical Joint Ductile Iron 90 Degree Elbow .....	2,404.83	230.90
For Cement Mortar Lining (CML), Add	205.50	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	369.90	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	154.13	
Note: ANSI/AWWA C151/A21.51		

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

33 14 13 13-0026	EA	24" Mechanical Joint Ductile Iron 90 Degree Elbow	3,533.44	307.46
		For Cement Mortar Lining (CML), Add	306.75	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	552.15	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	230.06	
		Note: ANSI/AWWA C151/A21.51		
<b>33 14 13 13-0027</b>		<b>Mechanical Joint Ductile Iron 45 Degree Elbow</b> (33 14 13 13-0002)		
33 14 13 13-0028	EA	3" Mechanical Joint Ductile Iron 45 Degree Elbow	144.62	37.95
		For Cement Mortar Lining (CML), Add	8.71	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	15.68	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.53	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0029	EA	4" Mechanical Joint Ductile Iron 45 Degree Elbow	155.82	45.35
		For Cement Mortar Lining (CML), Add	8.71	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	15.68	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.53	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0030	EA	6" Mechanical Joint Ductile Iron 45 Degree Elbow	241.44	67.02
		For Cement Mortar Lining (CML), Add	14.00	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	25.19	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	10.50	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0031	EA	8" Mechanical Joint Ductile Iron 45 Degree Elbow	324.72	79.50
		For Cement Mortar Lining (CML), Add	20.42	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	36.76	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	15.32	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0032	EA	10" Mechanical Joint Ductile Iron 45 Degree Elbow	431.41	87.76
		For Cement Mortar Lining (CML), Add	29.85	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	53.72	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	22.39	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0033	EA	12" Mechanical Joint Ductile Iron 45 Degree Elbow	601.49	102.95
		For Cement Mortar Lining (CML), Add	44.56	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	80.20	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	33.42	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0034	EA	14" Mechanical Joint Ductile Iron 45 Degree Elbow	876.11	115.45
		For Cement Mortar Lining (CML), Add	70.12	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	126.21	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	52.59	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0035	EA	16" Mechanical Joint Ductile Iron 45 Degree Elbow	1,073.89	131.95
		For Cement Mortar Lining (CML), Add	87.40	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	157.32	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	65.55	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0036	EA	18" Mechanical Joint Ductile Iron 45 Degree Elbow	1,533.68	184.72
		For Cement Mortar Lining (CML), Add	125.39	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	225.69	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	94.04	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0037	EA	20" Mechanical Joint Ductile Iron 45 Degree Elbow	1,689.36	230.90
		For Cement Mortar Lining (CML), Add	133.95	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	241.12	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	100.47	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0038	EA	24" Mechanical Joint Ductile Iron 45 Degree Elbow	2,500.93	307.46
		For Cement Mortar Lining (CML), Add	203.50	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	366.30	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	152.63	
		Note: ANSI/AWWA C151/A21.51		
<b>33 14 13 13-0039</b>		<b>Mechanical Joint Ductile Iron 22-1/2 Degree Elbow</b> (33 14 13 13-0002)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 14 13 13-0040	EA		3" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	126.06 6.86 12.34 5.14	37.95
33 14 13 13-0041	EA		4" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	151.54 8.28 14.91 6.21	45.35
33 14 13 13-0042	EA		6" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	230.02 12.85 23.14 9.64	67.02
33 14 13 13-0043	EA		8" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	320.43 19.99 35.99 14.99	79.50
33 14 13 13-0044	EA		10" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	429.98 29.70 53.47 22.28	87.76
33 14 13 13-0045	EA		12" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	545.80 38.99 70.18 29.24	102.95
33 14 13 13-0046	EA		14" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	884.68 70.98 127.76 53.23	115.45
33 14 13 13-0047	EA		16" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,038.19 83.83 150.89 62.87	131.95
33 14 13 13-0048	EA		18" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,309.48 102.97 185.34 77.22	184.72
33 14 13 13-0049	EA		20" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,749.34 139.95 251.91 104.96	230.90
33 14 13 13-0050	EA		24" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,343.85 187.79 338.03 140.84	307.46

**33 14 13 13-0051 Mechanical Joint Ductile Iron 11-1/4 Degree Elbow** (33 14 13 13-0002)

33 14 13 13-0052	EA		3" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	126.06 6.86 12.34 5.14	37.95
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**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
33 14 13 13-0053	EA	4" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	147.25	45.35
		<i>For Cement Mortar Lining (CML), Add</i>	7.85	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	14.14	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	5.89	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0054	EA	6" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	234.30	67.02
		<i>For Cement Mortar Lining (CML), Add</i>	13.28	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	23.91	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	9.96	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0055	EA	8" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	301.87	79.50
		<i>For Cement Mortar Lining (CML), Add</i>	18.14	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	32.65	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	13.60	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0056	EA	10" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	427.12	87.76
		<i>For Cement Mortar Lining (CML), Add</i>	29.42	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	52.95	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	22.06	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0057	EA	12" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	521.52	102.95
		<i>For Cement Mortar Lining (CML), Add</i>	36.56	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	65.81	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	27.42	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0058	EA	14" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	984.64	115.45
		<i>For Cement Mortar Lining (CML), Add</i>	80.97	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	145.75	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	60.73	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0059	EA	16" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	1,086.75	131.95
		<i>For Cement Mortar Lining (CML), Add</i>	88.68	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	159.63	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	66.51	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0060	EA	18" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	1,580.81	184.72
		<i>For Cement Mortar Lining (CML), Add</i>	130.10	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	234.18	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	97.57	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0061	EA	20" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	1,667.94	230.90
		<i>For Cement Mortar Lining (CML), Add</i>	131.81	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	237.26	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	98.86	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0062	EA	24" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	2,223.89	307.46
		<i>For Cement Mortar Lining (CML), Add</i>	175.80	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	316.43	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	131.85	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0063		<b>Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow</b> <small>(33 14 13 13-0002)</small>		
33 14 13 13-0064	EA	3" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow .....	158.90	37.95
		<i>For Cement Mortar Lining (CML), Add</i>	10.14	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	18.25	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	7.60	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0065	EA	4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow .....	194.38	45.35
		<i>For Cement Mortar Lining (CML), Add</i>	12.57	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	22.62	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	9.43	
		<i>Note: ANSI/AWWA C151/A21.51</i>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0066	EA		6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	309.99 20.85 37.53 15.64	67.02
33 14 13 13-0067	EA		8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	418.97 29.85 53.72 22.39	79.50
33 14 13 13-0068	EA		10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	601.35 46.84 84.31 35.13	87.76
33 14 13 13-0069	EA		12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	768.58 61.27 110.28 45.95	102.95
33 14 13 13-0070	EA		14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,314.53 113.96 205.13 85.47	115.45
33 14 13 13-0071	EA		16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,005.00 180.51 324.92 135.38	131.95
33 14 13 13-0072	EA		18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,330.55 205.07 369.13 153.80	184.72
33 14 13 13-0073	EA		20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,164.57 281.48 506.66 211.11	230.90
33 14 13 13-0074	EA		24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,847.61 338.17 608.70 253.63	307.46
<b>33 14 13 13-0075</b>			<b>Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow</b> <small>(33 14 13 13-0002)</small>		
33 14 13 13-0076	EA		3" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	146.05 8.85 15.94 6.64	37.95
33 14 13 13-0077	EA		4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	160.11 9.14 16.45 6.86	45.35
33 14 13 13-0078	EA		6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	257.15 15.57 28.02 11.67	67.02

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

33 14 13 13-0079	EA	8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	370.41	79.50
		For Cement Mortar Lining (CML), Add	24.99	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	44.98	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	18.74	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0080	EA	10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	504.24	87.76
		For Cement Mortar Lining (CML), Add	37.13	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	66.83	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	27.85	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0081	EA	12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	684.32	102.95
		For Cement Mortar Lining (CML), Add	52.84	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	95.11	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	39.63	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0082	EA	14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	1,164.58	115.45
		For Cement Mortar Lining (CML), Add	98.97	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	178.14	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	74.22	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0083	EA	16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	1,769.37	131.95
		For Cement Mortar Lining (CML), Add	156.95	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	282.50	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	117.71	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0084	EA	18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	2,092.06	184.72
		For Cement Mortar Lining (CML), Add	181.22	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	326.20	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	135.92	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0085	EA	20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	2,716.15	230.90
		For Cement Mortar Lining (CML), Add	236.63	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	425.94	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	177.47	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0086	EA	24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	3,414.91	307.46
		For Cement Mortar Lining (CML), Add	294.90	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	530.82	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	221.17	
		Note: ANSI/AWWA C151/A21.51		

**33 14 13 13-0087 Mechanical Joint Ductile Iron Tee** (33 14 13 13-0002)

33 14 13 13-0088	EA	3" x 3" Mechanical Joint Ductile Iron Tee.....	251.92	56.94
		For Cement Mortar Lining (CML), Add	16.57	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	29.82	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	12.42	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0089	EA	4" x 3" Mechanical Joint Ductile Iron Tee.....	262.08	63.63
		For Cement Mortar Lining (CML), Add	16.57	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	29.82	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	12.42	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0090	EA	4" x 4" Mechanical Joint Ductile Iron Tee.....	240.01	67.02
		For Cement Mortar Lining (CML), Add	13.85	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	24.93	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	10.39	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0091	EA	6" x 3" Mechanical Joint Ductile Iron Tee.....	319.27	84.43
		For Cement Mortar Lining (CML), Add	19.14	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	34.44	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	14.35	
		Note: ANSI/AWWA C151/A21.51		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0092	EA			6" x 4" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	365.98 23.28 41.90 17.46	87.92
33 14 13 13-0093	EA			6" x 6" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	398.96 24.99 44.98 18.74	98.43
33 14 13 13-0094	EA			8" x 4" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	424.27 26.99 48.58 20.24	101.88
33 14 13 13-0095	EA			8" x 6" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	481.54 31.13 56.04 23.35	112.35
33 14 13 13-0096	EA			8" x 8" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	556.38 37.56 67.60 28.17	119.36
33 14 13 13-0097	EA			10" x 4" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	579.40 41.41 74.55 31.06	109.07
33 14 13 13-0098	EA			10" x 6" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	581.54 40.13 72.23 30.10	118.97
33 14 13 13-0099	EA			10" x 8" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	660.10 46.98 84.57 35.24	125.56
33 14 13 13-0100	EA			10" x 10" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	736.87 53.70 96.65 40.27	131.95
33 14 13 13-0101	EA			12" x 4" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	692.22 50.70 91.25 38.02	122.27
33 14 13 13-0102	EA			12" x 6" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	785.75 58.55 105.39 43.91	132.16
33 14 13 13-0103	EA			12" x 8" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	962.84 75.26 135.47 56.45	138.76
33 14 13 13-0104	EA			12" x 10" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,031.04 81.12 146.01 60.84	145.14

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR

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TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 14 13 13-0105	EA	12" x 12" Mechanical Joint Ductile Iron Tee.....	979.63	151.74
		For Cement Mortar Lining (CML), Add	74.97	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	134.95	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	56.23	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0106	EA	14" x 6" Mechanical Joint Ductile Iron Tee.....	1,044.46	153.99
		For Cement Mortar Lining (CML), Add	81.12	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	146.01	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	60.84	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0107	EA	14" x 8" Mechanical Joint Ductile Iron Tee.....	1,161.59	160.60
		For Cement Mortar Lining (CML), Add	91.83	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	165.29	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	68.87	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0108	EA	14" x 10" Mechanical Joint Ductile Iron Tee.....	1,479.70	166.97
		For Cement Mortar Lining (CML), Add	122.67	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	220.81	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	92.00	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0109	EA	14" x 12" Mechanical Joint Ductile Iron Tee.....	1,581.10	173.56
		For Cement Mortar Lining (CML), Add	131.81	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	237.26	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	98.86	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0110	EA	14" x 14" Mechanical Joint Ductile Iron Tee.....	1,527.66	184.52
		For Cement Mortar Lining (CML), Add	124.81	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	224.67	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	93.61	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0111	EA	16" x 6" Mechanical Joint Ductile Iron Tee.....	1,326.56	184.71
		For Cement Mortar Lining (CML), Add	104.68	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	188.42	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	78.51	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0112	EA	16" x 8" Mechanical Joint Ductile Iron Tee.....	1,426.62	191.32
		For Cement Mortar Lining (CML), Add	113.68	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	204.62	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	85.26	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0113	EA	16" x 10" Mechanical Joint Ductile Iron Tee.....	1,659.06	197.69
		For Cement Mortar Lining (CML), Add	135.95	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	244.72	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	101.96	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0114	EA	16" x 12" Mechanical Joint Ductile Iron Tee.....	1,814.73	204.28
		For Cement Mortar Lining (CML), Add	150.52	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	270.94	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	112.89	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0115	EA	16" x 14" Mechanical Joint Ductile Iron Tee.....	2,181.14	215.21
		For Cement Mortar Lining (CML), Add	185.51	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	333.91	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	139.13	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0116	EA	16" x 16" Mechanical Joint Ductile Iron Tee.....	2,064.46	230.60
		For Cement Mortar Lining (CML), Add	171.51	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	308.72	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	128.63	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0117	EA	18" x 6" Mechanical Joint Ductile Iron Tee.....	1,840.52	236.40
		For Cement Mortar Lining (CML), Add	148.24	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	266.82	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	111.18	
		Note: ANSI/AWWA C151/A21.51		

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0118	EA			18" x 8" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,973.34 160.52 288.93 120.39	242.99
33 14 13 13-0119	EA			18" x 10" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,134.38 175.65 316.18 131.74	249.37
33 14 13 13-0120	EA			18" x 12" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,294.32 190.65 343.17 142.99	255.97
33 14 13 13-0121	EA			18" x 14" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,360.85 195.65 352.16 146.74	266.88
33 14 13 13-0122	EA			18" x 16" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,519.78 209.21 376.59 156.91	282.25
33 14 13 13-0123	EA			18" x 18" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,948.80 248.20 446.76 186.15	308.07
33 14 13 13-0124	EA			20" x 6" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,181.63 166.80 300.24 125.10	338.99
33 14 13 13-0125	EA			20" x 8" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,228.76 170.51 306.92 127.88	345.60
33 14 13 13-0126	EA			20" x 10" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,425.50 189.22 340.60 141.92	351.96
33 14 13 13-0127	EA			20" x 12" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,621.15 207.79 374.01 155.84	358.56
33 14 13 13-0128	EA			20" x 14" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,653.39 209.36 376.84 157.02	369.48
33 14 13 13-0129	EA			20" x 16" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,693.80 211.07 379.93 158.30	384.84
33 14 13 13-0130	EA			20" x 18" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,378.44 275.62 496.11 206.71	410.69

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0131	EA		20" x 20" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,987.75 228.78 411.80 171.58	461.99
33 14 13 13-0132	EA		24" x 6" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,675.05 200.65 361.16 150.48	441.27
33 14 13 13-0133	EA		24" x 8" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,710.77 203.22 365.79 152.41	448.51
33 14 13 13-0134	EA		24" x 10" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,983.18 229.49 413.09 172.12	454.26
33 14 13 13-0135	EA		24" x 12" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,057.43 235.92 424.65 176.94	460.86
33 14 13 13-0136	EA		24" x 14" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,436.71 272.19 489.95 204.14	471.76
33 14 13 13-0137	EA		24" x 16" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,709.90 297.18 534.93 222.89	487.12
33 14 13 13-0138	EA		24" x 18" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,211.76 343.45 618.22 257.59	512.97
33 14 13 13-0139	EA		24" x 20" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,667.92 381.30 686.33 285.97	564.27
33 14 13 13-0140	EA		24" x 24" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,328.40 339.60 611.27 254.70	615.43
33 14 13 13-0141			<b>Mechanical Joint Ductile Iron Wye (Laterals)</b> (33 14 13 13-0002)		
33 14 13 13-0142	EA		4" x 3" Mechanical Joint Ductile Iron Wye (Lateral) ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	217.81 12.14 21.85 9.10	63.63
33 14 13 13-0143	EA		4" x 4" Mechanical Joint Ductile Iron Wye (Lateral) ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	328.54 22.71 40.87 17.03	66.98

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0144	EA			6" x 3" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	319.27 19.14 34.44 14.35	84.43
33 14 13 13-0145	EA			6" x 4" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	367.41 23.42 42.16 17.57	87.92
33 14 13 13-0146	EA			6" x 6" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	491.79 34.27 61.69 25.71	98.37
33 14 13 13-0147	EA			8" x 4" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	627.05 47.27 85.08 35.45	101.88
33 14 13 13-0148	EA			8" x 6" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	565.80 39.56 71.20 29.67	112.35
33 14 13 13-0149	EA			8" x 8" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	680.63 49.98 89.97 37.49	119.32
33 14 13 13-0150	EA			10" x 4" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	960.70 79.54 143.18 59.66	109.07
33 14 13 13-0151	EA			10" x 6" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,017.10 83.69 150.63 62.76	118.97
33 14 13 13-0152	EA			10" x 8" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,167.07 97.68 175.83 73.26	125.56
33 14 13 13-0153	EA			10" x 10" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,312.38 111.25 200.24 83.44	131.95
33 14 13 13-0154	EA			12" x 4" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,223.46 103.82 186.88 77.87	122.27
33 14 13 13-0155	EA			12" x 6" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,382.69 118.25 212.84 88.68	132.16
33 14 13 13-0156	EA			12" x 8" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,662.60 145.24 261.42 108.93	138.76

**33 Utilities**

**33 10 Water Utilities**

**33 14 Water Utility Transmission and Distribution**



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
33 14 13 13-0157	EA	12" x 10" Mechanical Joint Ductile Iron Wye (Lateral) .....	1,710.81	145.14
		For Cement Mortar Lining (CML), Add	149.09	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	268.37	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	111.82	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0158	EA	12" x 12" Mechanical Joint Ductile Iron Wye (Lateral) .....	1,553.72	151.73
		For Cement Mortar Lining (CML), Add	132.38	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	238.29	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	99.29	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0159	EA	14" x 6" Mechanical Joint Ductile Iron Wye (Lateral) .....	1,827.05	153.99
		For Cement Mortar Lining (CML), Add	159.37	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	286.87	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	119.53	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0160	EA	14" x 8" Mechanical Joint Ductile Iron Wye (Lateral) .....	2,088.41	160.60
		For Cement Mortar Lining (CML), Add	184.51	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	332.11	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	138.38	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0161	EA	14" x 10" Mechanical Joint Ductile Iron Wye (Lateral) .....	2,719.27	166.97
		For Cement Mortar Lining (CML), Add	246.63	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	443.93	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	184.97	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0162	EA	14" x 12" Mechanical Joint Ductile Iron Wye (Lateral) .....	2,912.07	173.56
		For Cement Mortar Lining (CML), Add	264.91	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	476.84	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	198.68	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0163	EA	14" x 14" Mechanical Joint Ductile Iron Wye (Lateral) .....	2,848.64	184.48
		For Cement Mortar Lining (CML), Add	256.91	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	462.44	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	192.68	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0164	EA	16" x 6" Mechanical Joint Ductile Iron Wye (Lateral) .....	1,882.18	184.71
		For Cement Mortar Lining (CML), Add	160.23	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	288.42	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	120.17	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0165	EA	16" x 8" Mechanical Joint Ductile Iron Wye (Lateral) .....	2,069.26	191.32
		For Cement Mortar Lining (CML), Add	177.94	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	320.29	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	133.45	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0166	EA	16" x 10" Mechanical Joint Ductile Iron Wye (Lateral) .....	2,434.51	197.69
		For Cement Mortar Lining (CML), Add	213.50	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	384.30	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	160.12	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0167	EA	16" x 12" Mechanical Joint Ductile Iron Wye (Lateral) .....	2,720.13	204.28
		For Cement Mortar Lining (CML), Add	241.06	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	433.91	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	180.80	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0168	EA	16" x 14" Mechanical Joint Ductile Iron Wye (Lateral) .....	3,396.43	215.21
		For Cement Mortar Lining (CML), Add	307.04	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	552.67	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	230.28	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0169	EA	16" x 16" Mechanical Joint Ductile Iron Wye (Lateral) .....	3,279.76	230.56
		For Cement Mortar Lining (CML), Add	293.04	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	527.48	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	219.78	
		Note: ANSI/AWWA C151/A21.51		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13	13-0170	EA	18" x 6" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,952.99 259.48 467.07 194.61	236.40
33 14 13	13-0171	EA	18" x 8" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,177.21 280.90 505.63 210.68	242.99
33 14 13	13-0172	EA	18" x 10" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,393.94 301.61 542.90 226.21	249.37
33 14 13	13-0173	EA	18" x 12" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,629.57 324.17 583.51 243.13	255.97
33 14 13	13-0174	EA	18" x 14" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,671.83 326.75 588.14 245.06	266.88
33 14 13	13-0175	EA	18" x 16" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,712.22 328.46 591.22 246.34	282.25
33 14 13	13-0176	EA	18" x 18" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,405.79 293.90 529.02 220.42	308.09
33 14 13	13-0177	EA	20" x 6" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,515.45 300.18 540.33 225.14	338.99
33 14 13	13-0178	EA	20" x 8" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,592.57 306.89 552.41 230.17	345.60
33 14 13	13-0179	EA	20" x 10" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,939.26 340.60 613.07 255.45	351.96
33 14 13	13-0180	EA	20" x 12" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,283.43 374.01 673.23 280.51	358.56
33 14 13	13-0181	EA	20" x 14" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,328.52 376.87 678.37 282.65	369.48
33 14 13	13-0182	EA	20" x 16" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,381.79 379.87 683.76 284.90	384.84

**33 Utilities**

**33 10 Water Utilities**

**33 14 Water Utility Transmission and Distribution**



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 14 13 13-0183	EA	20" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	5,069.29	410.69
		For Cement Mortar Lining (CML), Add	444.70	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	800.47	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	333.53	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0184	EA	20" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	4,818.55	461.98
		For Cement Mortar Lining (CML), Add	411.86	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	741.34	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	308.89	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0185	EA	24" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	4,280.21	441.27
		For Cement Mortar Lining (CML), Add	361.16	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	650.09	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	270.87	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0186	EA	24" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	4,335.92	447.87
		For Cement Mortar Lining (CML), Add	365.73	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	658.32	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	274.30	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0187	EA	24" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	4,818.27	454.26
		For Cement Mortar Lining (CML), Add	413.00	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	743.40	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	309.75	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0188	EA	24" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	5,039.60	460.86
		For Cement Mortar Lining (CML), Add	434.14	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	781.44	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	325.60	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0189	EA	24" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	5,804.47	471.76
		For Cement Mortar Lining (CML), Add	508.97	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	916.14	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	381.73	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0190	EA	24" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	6,440.39	487.12
		For Cement Mortar Lining (CML), Add	570.23	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,026.42	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	427.67	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0191	EA	24" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	7,199.31	512.97
		For Cement Mortar Lining (CML), Add	642.21	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,155.97	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	481.66	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0192	EA	24" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	7,909.67	564.27
		For Cement Mortar Lining (CML), Add	705.47	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,269.85	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	529.10	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0193	EA	24" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	7,044.62	615.41
		For Cement Mortar Lining (CML), Add	611.22	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,100.19	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	458.41	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0194	<b>Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee</b> (33 14 13 13-0002)			
33 14 13 13-0195	EA	6" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	437.52	98.43
		For Cement Mortar Lining (CML), Add	28.85	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	51.92	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	21.64	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	21.64	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0196	EA		8" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	518.67	112.35
			For Cement Mortar Lining (CML), Add	34.85	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	62.72	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	26.13	
			Note: ANSI/AWWA C151/A21.51		
			For Protective Fusion-Bonded Epoxy Coated, C116, Add	26.13	
33 14 13 13-0197	EA		10" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	774.33	118.97
			For Cement Mortar Lining (CML), Add	59.41	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	106.93	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	44.56	
			Note: ANSI/AWWA C151/A21.51		
			For Protective Fusion-Bonded Epoxy Coated, C116, Add	44.56	
33 14 13 13-0198	EA		12" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	870.01	132.16
			For Cement Mortar Lining (CML), Add	66.98	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	120.56	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	50.23	
			Note: ANSI/AWWA C151/A21.51		
			For Protective Fusion-Bonded Epoxy Coated, C116, Add	50.23	
33 14 13 13-0199	EA		14" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	1,181.56	153.99
			For Cement Mortar Lining (CML), Add	94.83	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	170.69	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	71.12	
			Note: ANSI/AWWA C151/A21.51		
			For Protective Fusion-Bonded Epoxy Coated, C116, Add	71.12	
33 14 13 13-0200	EA		16" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	1,506.59	184.71
			For Cement Mortar Lining (CML), Add	122.67	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	220.81	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	92.00	
			Note: ANSI/AWWA C151/A21.51		
			For Protective Fusion-Bonded Epoxy Coated, C116, Add	92.00	
33 14 13 13-0201	EA		18" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	1,851.94	236.40
			For Cement Mortar Lining (CML), Add	149.38	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	268.88	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	112.03	
			Note: ANSI/AWWA C151/A21.51		
			For Protective Fusion-Bonded Epoxy Coated, C116, Add	112.03	
33 14 13 13-0202	EA		20" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	2,597.20	338.99
			For Cement Mortar Lining (CML), Add	208.36	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	375.04	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	156.27	
			Note: ANSI/AWWA C151/A21.51		
			For Protective Fusion-Bonded Epoxy Coated, C116, Add	156.27	
33 14 13 13-0203	EA		24" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	3,024.36	441.27
			For Cement Mortar Lining (CML), Add	238.78	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	429.80	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	179.08	
			Note: ANSI/AWWA C151/A21.51		
			For Protective Fusion-Bonded Epoxy Coated, C116, Add	179.08	
33 14 13 13-0204	EA		30" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	5,849.83	513.96
			For Cement Mortar Lining (CML), Add	507.11	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	912.80	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	380.33	
			Note: ANSI/AWWA C151/A21.51		
			For Protective Fusion-Bonded Epoxy Coated, C116, Add	380.33	
<b>33 14 13 13-0205</b>			<b>Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee</b> <small>(33 14 13 13-0002)</small>		
33 14 13 13-0206	EA		6" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee.....	394.68	98.43
			Note: Includes swivel gland.		
			For Cement Mortar Lining (CML), Add	24.56	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	44.21	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	18.42	
			Note: ANSI/AWWA C151/A21.51		
			For Protective Fusion-Bonded Epoxy Coated, C116, Add	18.42	

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

33 14 13 13-0207	EA	8" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee	461.55	112.35
		Note: Includes swivel gland.		
		For Cement Mortar Lining (CML), Add	29.13	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	52.44	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	21.85	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	21.85	
33 14 13 13-0208	EA	10" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee	648.66	118.97
		Note: Includes swivel gland.		
		For Cement Mortar Lining (CML), Add	46.84	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	84.31	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	35.13	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	35.13	
33 14 13 13-0209	EA	12" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee	800.03	132.16
		Note: Includes swivel gland.		
		For Cement Mortar Lining (CML), Add	59.98	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	107.96	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	44.98	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	44.98	
33 14 13 13-0210	EA	14" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee	1,004.47	153.99
		Note: Includes swivel gland.		
		For Cement Mortar Lining (CML), Add	77.12	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	138.81	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	57.84	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	57.84	
33 14 13 13-0211	EA	16" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee	1,266.67	184.71
		Note: Includes swivel gland.		
		For Cement Mortar Lining (CML), Add	98.68	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	177.62	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	74.01	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	74.01	
33 14 13 13-0212	EA	18" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee	1,636.30	236.40
		Note: Includes swivel gland.		
		For Cement Mortar Lining (CML), Add	127.81	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	230.06	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	95.86	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	95.86	
33 14 13 13-0213	EA	20" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee	1,801.76	338.99
		Note: Includes swivel gland.		
		For Cement Mortar Lining (CML), Add	128.81	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	231.86	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	96.61	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	96.61	
33 14 13 13-0214	EA	24" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee	2,491.69	441.27
		Note: Includes swivel gland.		
		For Cement Mortar Lining (CML), Add	185.51	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	333.91	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	139.13	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	139.13	
<b>33 14 13 13-0215</b>		<b>Mechanical Joint Ductile Iron Cross</b> (33 14 13 13-0002)		
33 14 13 13-0216	EA	3" x 3" Mechanical Joint Ductile Iron Cross	299.24	75.91
		For Cement Mortar Lining (CML), Add	18.42	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	33.16	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	13.82	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0217	EA	4" x 3" Mechanical Joint Ductile Iron Cross	360.80	82.61
		For Cement Mortar Lining (CML), Add	23.56	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	42.41	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	17.67	
		Note: ANSI/AWWA C151/A21.51		

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0218	EA			4" x 4" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	425.34 29.85 53.72 22.39	83.73
33 14 13 13-0219	EA			6" x 3" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	508.19 35.13 63.24 26.35	103.49
33 14 13 13-0220	EA			6" x 4" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	494.75 32.56 58.61 24.42	111.64
33 14 13 13-0221	EA			6" x 6" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	577.02 36.56 65.81 27.42	139.55
33 14 13 13-0222	EA			8" x 4" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	509.19 32.42 58.35 24.31	122.11
33 14 13 13-0223	EA			8" x 6" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	605.74 37.84 68.12 28.38	150.02
33 14 13 13-0224	EA			8" x 8" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	641.61 39.84 71.72 29.88	160.48
33 14 13 13-0225	EA			10" x 4" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	615.99 42.27 76.09 31.70	127.57
33 14 13 13-0226	EA			10" x 6" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	707.38 47.41 85.34 35.56	153.95
33 14 13 13-0227	EA			10" x 8" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	836.63 58.84 105.91 44.13	163.86
33 14 13 13-0228	EA			10" x 10" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	904.94 63.84 114.90 47.88	175.92
33 14 13 13-0229	EA			12 x 4" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	744.01 53.41 96.14 40.06	138.54
33 14 13 13-0230	EA			12" x 6" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	865.39 61.55 110.79 46.16	164.92

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TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 14 13 13-0231	EA	12" x 8" Mechanical Joint Ductile Iron Cross.....	1,235.99	174.84
		For Cement Mortar Lining (CML), Add	97.11	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	174.80	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	72.83	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0232	EA	12" x 10" Mechanical Joint Ductile Iron Cross.....	1,254.33	186.94
		For Cement Mortar Lining (CML), Add	97.11	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	174.80	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	72.83	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0233	EA	12" x 12" Mechanical Joint Ductile Iron Cross.....	1,420.91	197.91
		For Cement Mortar Lining (CML), Add	112.10	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	201.79	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	84.08	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0234	EA	14" x 6" Mechanical Joint Ductile Iron Cross.....	1,451.61	181.41
		For Cement Mortar Lining (CML), Add	117.67	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	211.81	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	88.26	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0235	EA	14" x 8" Mechanical Joint Ductile Iron Cross.....	1,703.67	191.32
		For Cement Mortar Lining (CML), Add	141.38	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	254.48	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	106.04	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0236	EA	14" x 10" Mechanical Joint Ductile Iron Cross.....	1,750.57	203.42
		For Cement Mortar Lining (CML), Add	144.24	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	259.62	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	108.18	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0237	EA	14" x 12" Mechanical Joint Ductile Iron Cross.....	1,847.18	214.40
		For Cement Mortar Lining (CML), Add	152.23	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	274.02	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	114.17	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0238	EA	14" x 14" Mechanical Joint Ductile Iron Cross.....	2,042.09	230.90
		For Cement Mortar Lining (CML), Add	169.23	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	304.61	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	126.92	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0239	EA	16" x 6" Mechanical Joint Ductile Iron Cross.....	1,659.37	204.49
		For Cement Mortar Lining (CML), Add	134.95	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	242.92	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	101.22	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0240	EA	16" x 8" Mechanical Joint Ductile Iron Cross.....	1,884.30	214.40
		For Cement Mortar Lining (CML), Add	155.95	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	280.70	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	116.96	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0241	EA	16" x 10" Mechanical Joint Ductile Iron Cross.....	2,249.07	226.49
		For Cement Mortar Lining (CML), Add	190.59	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	343.06	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	142.94	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0242	EA	16" x 12" Mechanical Joint Ductile Iron Cross.....	2,503.36	237.48
		For Cement Mortar Lining (CML), Add	214.36	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	385.84	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	160.77	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0243	EA	16" x 14" Mechanical Joint Ductile Iron Cross.....	3,016.75	253.96
		For Cement Mortar Lining (CML), Add	263.20	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	473.75	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	197.40	
		Note: ANSI/AWWA C151/A21.51		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0244	EA		16" x 16" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,527.25 310.75 559.35 233.06	277.08
33 14 13 13-0245	EA		18" x 6" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,724.12 235.78 424.40 176.83	241.81
33 14 13 13-0246	EA		18" x 8" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,879.09 249.77 449.59 187.33	251.71
33 14 13 13-0247	EA		18" x 10" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,014.52 261.48 470.67 196.11	263.80
33 14 13 13-0248	EA		18" x 12" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,265.35 284.90 512.82 213.68	274.79
33 14 13 13-0249	EA		18" x 14" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,803.02 336.17 605.11 252.13	291.28
33 14 13 13-0250	EA		18" x 16" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,049.34 357.31 643.15 267.98	314.34
33 14 13 13-0251	EA		18" x 18" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,245.83 371.30 668.34 278.48	351.65
33 14 13 13-0252	EA		20" x 6" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,424.38 296.47 533.64 222.35	303.39
33 14 13 13-0253	EA		20" x 8" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,580.77 310.61 559.09 232.96	313.29
33 14 13 13-0254	EA		20" x 10" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,691.93 319.89 575.80 239.92	325.40
33 14 13 13-0255	EA		20" x 12" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,941.34 343.17 617.70 257.38	336.38
33 14 13 13-0256	EA		20" x 14" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,013.44 347.88 626.18 260.91	352.87

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TOTAL DIRECT DEMOLITION  
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33 14 13 13-0257	EA	20" x 16" Mechanical Joint Ductile Iron Cross.....	4,842.42	375.93
		For Cement Mortar Lining (CML), Add	427.28	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	769.11	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	320.46	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0258	EA	20" x 18" Mechanical Joint Ductile Iron Cross.....	5,038.91	413.25
		For Cement Mortar Lining (CML), Add	441.28	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	794.30	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	330.96	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0259	EA	20" x 20" Mechanical Joint Ductile Iron Cross.....	5,459.26	474.80
		For Cement Mortar Lining (CML), Add	473.98	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	853.16	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	355.49	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0260	EA	24" x 6" Mechanical Joint Ductile Iron Cross.....	4,660.78	379.53
		For Cement Mortar Lining (CML), Add	408.57	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	735.43	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	306.43	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0261	EA	24" x 8" Mechanical Joint Ductile Iron Cross.....	4,770.34	389.43
		For Cement Mortar Lining (CML), Add	418.00	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	752.40	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	313.50	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0262	EA	24" x 10" Mechanical Joint Ductile Iron Cross.....	4,951.17	401.53
		For Cement Mortar Lining (CML), Add	434.28	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	781.70	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	325.71	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0263	EA	24" x 12" Mechanical Joint Ductile Iron Cross.....	5,107.76	412.52
		For Cement Mortar Lining (CML), Add	448.27	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	806.89	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	336.21	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0264	EA	24" x 14" Mechanical Joint Ductile Iron Cross.....	5,202.70	428.99
		For Cement Mortar Lining (CML), Add	455.27	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	819.49	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	341.45	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0265	EA	24" x 16" Mechanical Joint Ductile Iron Cross.....	5,401.90	452.07
		For Cement Mortar Lining (CML), Add	471.70	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	849.05	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	353.77	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0266	EA	24" x 18" Mechanical Joint Ductile Iron Cross.....	7,116.44	489.38
		For Cement Mortar Lining (CML), Add	637.50	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,147.49	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	478.12	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0267	EA	24" x 20" Mechanical Joint Ductile Iron Cross.....	7,512.51	550.97
		For Cement Mortar Lining (CML), Add	667.77	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,201.99	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	500.83	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0268	EA	24" x 24" Mechanical Joint Ductile Iron Cross.....	8,281.92	627.13
		For Cement Mortar Lining (CML), Add	733.18	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,319.72	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	549.88	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0269 Mechanical Joint x Mechanical Joint Ductile Iron Reducers (33 14 13 13-0002)

	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0270	EA 4" x 3" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	145.42 8.28 14.91 6.21	41.30	
33 14 13 13-0271	EA 6" x 3" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	169.84 9.14 16.45 6.86	51.77	
33 14 13 13-0272	EA 6" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	183.49 10.00 17.99 7.50	55.12	
33 14 13 13-0273	EA 8" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	231.29 13.71 24.68 10.28	62.11	
33 14 13 13-0274	EA 8" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	255.61 14.57 26.22 10.92	72.56	
33 14 13 13-0275	EA 10" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	277.13 17.85 32.13 13.39	65.10	
33 14 13 13-0276	EA 10" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	302.12 18.85 33.93 14.14	74.99	
33 14 13 13-0277	EA 10" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	330.69 20.71 37.27 15.53	81.59	
33 14 13 13-0278	EA 12" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	334.25 22.56 40.62 16.92	71.69	
33 14 13 13-0279	EA 12" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	372.10 24.85 44.73 18.64	81.59	
33 14 13 13-0280	EA 12" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	389.24 25.56 46.01 19.17	88.18	
33 14 13 13-0281	EA 12" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	426.03 28.28 50.90 21.21	94.56	
33 14 13 13-0282	EA 14" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	691.39 55.12 99.22 41.34	92.50	

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

33 14 13 13-0283	EA	14" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	672.83	99.10
		For Cement Mortar Lining (CML), Add	52.27	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	94.08	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	39.20	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0284	EA	14" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	605.37	105.48
		For Cement Mortar Lining (CML), Add	44.56	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	80.20	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	33.42	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0285	EA	14" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	636.78	112.07
		For Cement Mortar Lining (CML), Add	46.70	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	84.06	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	35.02	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0286	EA	16" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	811.77	107.85
		For Cement Mortar Lining (CML), Add	64.84	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	116.70	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	48.63	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0287	EA	16" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	797.49	114.46
		For Cement Mortar Lining (CML), Add	62.41	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	112.33	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	46.81	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0288	EA	16" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	784.30	120.84
		For Cement Mortar Lining (CML), Add	60.12	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	108.22	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	45.09	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0289	EA	16" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	850.00	127.44
		For Cement Mortar Lining (CML), Add	65.69	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	118.25	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	49.27	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0290	EA	16" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	945.08	138.35
		For Cement Mortar Lining (CML), Add	73.55	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	132.38	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	55.16	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0291	EA	18" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,013.73	140.30
		For Cement Mortar Lining (CML), Add	80.12	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	144.21	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	60.09	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0292	EA	18" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,134.78	146.67
		For Cement Mortar Lining (CML), Add	91.25	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	164.26	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	68.44	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0293	EA	18" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,096.22	153.27
		For Cement Mortar Lining (CML), Add	86.40	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	155.52	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	64.80	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0294	EA	18" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,162.75	164.19
		For Cement Mortar Lining (CML), Add	91.40	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	164.51	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	68.55	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0295	EA	18" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,226.00	179.55
		For Cement Mortar Lining (CML), Add	95.40	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	171.71	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	71.55	
		Note: ANSI/AWWA C151/A21.51		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 14 13 13-0296	EA			20" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,429.92 113.96 205.13 85.47	191.61
33 14 13 13-0297	EA			20" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,373.88 107.39 193.31 80.54	197.97
33 14 13 13-0298	EA			20" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,271.05 96.11 173.00 72.08	204.57
33 14 13 13-0299	EA			20" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,280.46 95.40 171.71 71.55	215.49
33 14 13 13-0300	EA			20" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,323.71 97.40 175.31 73.05	230.85
33 14 13 13-0301	EA			24" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,584.23 119.53 215.15 89.65	256.69
33 14 13 13-0302	EA			24" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,859.79 147.24 265.02 110.43	255.71
33 14 13 13-0303	EA			24" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,913.47 150.95 271.71 113.21	266.64
33 14 13 13-0304	EA			24" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,956.72 152.95 275.30 114.71	281.99
33 14 13 13-0305	EA			24" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,928.75 146.24 263.22 109.68	307.82
33 14 13 13-0306	EA			24" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,354.95 181.08 325.95 135.81	359.13
<b>33 14 13 13-0307</b>				<b>Mechanical Joint Ductile Iron Caps (33 14 13 13-0002)</b>		
33 14 13 13-0308	EA			3" Mechanical Joint Ductile Iron Caps..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	169.28 3.71 6.68 2.78	87.22

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

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TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 14 13 13-0309	EA	4" Mechanical Joint Ductile Iron Caps.....	193.61	102.33
		For Cement Mortar Lining (CML), Add	3.86	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	6.94	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.89	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0310	EA	6" Mechanical Joint Ductile Iron Caps.....	262.36	127.91
		For Cement Mortar Lining (CML), Add	6.86	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	12.34	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.14	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0311	EA	8" Mechanical Joint Ductile Iron Caps.....	335.75	146.21
		For Cement Mortar Lining (CML), Add	11.43	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	20.57	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.57	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0312	EA	10" Mechanical Joint Ductile Iron Caps.....	477.43	219.91
		For Cement Mortar Lining (CML), Add	14.42	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	25.96	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	10.82	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0313	EA	12" Mechanical Joint Ductile Iron Caps.....	579.11	239.90
		For Cement Mortar Lining (CML), Add	21.56	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	38.82	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	16.17	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0314	EA	14" Mechanical Joint Ductile Iron Caps.....	726.85	263.88
		For Cement Mortar Lining (CML), Add	32.70	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	58.87	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	24.53	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0315	EA	16" Mechanical Joint Ductile Iron Caps.....	882.67	293.17
		For Cement Mortar Lining (CML), Add	43.84	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	78.92	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	32.88	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0316	EA	18" Mechanical Joint Ductile Iron Caps.....	1,035.31	329.86
		For Cement Mortar Lining (CML), Add	53.55	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	96.40	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	40.16	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0317	EA	20" Mechanical Joint Ductile Iron Caps.....	1,263.80	376.94
		For Cement Mortar Lining (CML), Add	69.26	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	124.67	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	51.95	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0318	EA	24" Mechanical Joint Ductile Iron Caps.....	1,617.48	439.81
		For Cement Mortar Lining (CML), Add	95.11	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	171.20	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	71.33	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0319		<b>Mechanical Joint Ductile Iron Plug (33 14 13 13-0002)</b>		
33 14 13 13-0320	EA	3" Mechanical Joint Ductile Iron Plug.....	174.99	87.22
		For Cement Mortar Lining (CML), Add	4.28	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	7.71	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.21	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0321	EA	4" Mechanical Joint Ductile Iron Plug.....	202.19	102.33
		For Cement Mortar Lining (CML), Add	4.71	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	8.48	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.53	
		Note: ANSI/AWWA C151/A21.51		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 14 13 13-0322	EA		6" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	285.21 9.14 16.45 6.86	127.91
33 14 13 13-0323	EA		8" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	358.60 13.71 24.68 10.28	146.21
33 14 13 13-0324	EA		10" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	570.25 23.71 42.67 17.78	219.91
33 14 13 13-0325	EA		12" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	604.82 24.14 43.44 18.10	239.90
33 14 13 13-0326	EA		14" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	891.08 49.13 88.43 36.84	263.88
33 14 13 13-0327	EA		16" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	507.09 6.28 11.31 4.71	293.17
33 14 13 13-0328	EA		18" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,279.51 77.97 140.35 58.48	329.86
33 14 13 13-0329	EA		20" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,596.54 102.54 184.56 76.90	376.94
33 14 13 13-0330	EA		24" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,088.75 142.24 256.03 106.68	439.81

**33 14 13 13-0331 Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters** (33 14 13 13-0002)

33 14 13 13-0332	EA		3" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	293.69 9.28 16.71 6.96	132.57
33 14 13 13-0333	EA		4" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	332.55 10.00 17.99 7.50	153.50
33 14 13 13-0334	EA		6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	429.24 13.85 24.93 10.39	191.88

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**
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33 14 13 13-0335	EA	8" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	542.19	219.25
		For Cement Mortar Lining (CML), Add	20.99	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	37.79	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	15.74	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0336	EA	10" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	865.37	329.86
		For Cement Mortar Lining (CML), Add	36.56	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	65.81	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	27.42	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0337	EA	12" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,013.63	359.84
		For Cement Mortar Lining (CML), Add	46.84	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	84.31	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	35.13	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0338	EA	14" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,343.77	395.83
		For Cement Mortar Lining (CML), Add	74.40	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	133.93	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	55.80	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0339	EA	16" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,516.09	439.81
		For Cement Mortar Lining (CML), Add	84.97	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	152.95	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	63.73	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0340	EA	18" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	2,049.23	494.78
		For Cement Mortar Lining (CML), Add	129.96	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	233.92	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	97.47	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0341	EA	20" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	2,404.81	565.45
		For Cement Mortar Lining (CML), Add	154.80	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	278.65	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	116.10	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0342	EA	24" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	2,906.06	659.72
		For Cement Mortar Lining (CML), Add	190.65	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	343.17	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	142.99	
		Note: ANSI/AWWA C151/A21.51		

**33 14 13 13-0343 Mechanical Joint Ductile Iron Long Sleeves (33 14 13 13-0002)**

33 14 13 13-0344	EA	3" Mechanical Joint Ductile Iron Long Sleeves	279.40	132.57
		For Cement Mortar Lining (CML), Add	7.85	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	14.14	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.89	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0345	EA	4" Mechanical Joint Ductile Iron Long Sleeves	325.41	153.50
		For Cement Mortar Lining (CML), Add	9.28	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	16.71	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.96	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0346	EA	6" Mechanical Joint Ductile Iron Long Sleeves	446.38	191.88
		For Cement Mortar Lining (CML), Add	15.57	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	28.02	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	11.67	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0347	EA	8" Mechanical Joint Ductile Iron Long Sleeves	587.89	219.25
		For Cement Mortar Lining (CML), Add	25.56	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	46.01	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	19.17	
		Note: ANSI/AWWA C151/A21.51		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0348	EA		10" Mechanical Joint Ductile Iron Long Sleeves ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	803.96 30.42 54.75 22.81	329.86
33 14 13 13-0349	EA		12" Mechanical Joint Ductile Iron Long Sleeves ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	956.51 41.13 74.03 30.85	359.84
33 14 13 13-0350	EA		14" Mechanical Joint Ductile Iron Long Sleeves ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,220.95 62.12 111.82 46.59	395.83
33 14 13 13-0351	EA		16" Mechanical Joint Ductile Iron Long Sleeves ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,453.25 78.69 141.64 59.02	439.81
33 14 13 13-0352	EA		18" Mechanical Joint Ductile Iron Long Sleeves ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,756.48 100.68 181.22 75.51	494.78
33 14 13 13-0353	EA		20" Mechanical Joint Ductile Iron Long Sleeves ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,072.07 121.53 218.75 91.15	565.45
33 14 13 13-0354	EA		24" Mechanical Joint Ductile Iron Long Sleeves ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,600.45 160.09 288.16 120.07	659.72
33 14 13 13-0355			<b>Mechanical Joint Ductile Iron Gland Packs</b> <small>(33 14 13 13-0002)</small> <i>Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts.</i>		
33 14 13 13-0356			<b>Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts</b> <small>(33 14 13 13-0355)</small> <i>Note: Labor installation is included with pipe fittings or valves.</i>		
33 14 13 13-0357	EA		3" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts ..... 28.56	28.56	
33 14 13 13-0358	EA		4" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts ..... 53.06 <i>Note: Includes four (4) 3/4" diameter plain finish Boltss with nut.</i>	53.06	
33 14 13 13-0359	EA		6" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts ..... 64.11 <i>Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.</i>	64.11	
33 14 13 13-0360	EA		8" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts ..... 75.16 <i>Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.</i>	75.16	
33 14 13 13-0361	EA		10" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts ..... 103.90 <i>Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.</i>	103.90	
33 14 13 13-0362	EA		12" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts ..... 110.53 <i>Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.</i>	110.53	
33 14 13 13-0363	EA		14" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts ..... 181.27 <i>Note: Includes ten (10) 3/4" diameter plain finish Boltss with nut.</i>	181.27	
33 14 13 13-0364	EA		16" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts ..... 192.33 <i>Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.</i>	192.33	
33 14 13 13-0365	EA		18" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts ..... 256.43 <i>Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.</i>	256.43	
33 14 13 13-0366	EA		20" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts ..... 331.60 <i>Note: Includes fourteen (14) 3/4" diameter plain finish Boltss with nut.</i>	331.60	
33 14 13 13-0367	EA		24" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts ..... 462.02 <i>Note: Includes sixteen (16) 3/4" diameter plain finish Boltss with nut.</i>	462.02	
33 14 13 13-0368			<b>Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts</b> <small>(33 14 13 13-0355)</small> <i>Note: Labor installation is included with pipe fittings or valves.</i>		
33 14 13 13-0369	EA		3" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts ..... 48.55	48.55	
33 14 13 13-0370	EA		4" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts ..... 75.16 <i>Note: Includes four (4) 3/4" diameter plain finish Boltss with nut.</i>	75.16	
33 14 13 13-0371	EA		6" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts ..... 95.06 <i>Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.</i>	95.06	
33 14 13 13-0372	EA		8" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts ..... 103.90 <i>Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.</i>	103.90	

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33 14 13 13-0373	EA	10" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	143.69	
		Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0374	EA	12" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	150.32	
		Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0375	EA	14" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	227.70	
		Note: Includes ten (10) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0376	EA	16" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	249.80	
		Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0377	EA	18" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	331.60	
		Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0378	EA	20" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	428.86	
		Note: Includes fourteen (14) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0379	EA	24" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	599.08	
		Note: Includes sixteen (16) 3/4" diameter plain finish Boltss with nut.		

**33 14 13 13-0380 Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts** (33 14 13 13-0380)

Note: Labor installation is included with pipe fittings or valves.

33 14 13 13-0381	EA	3" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	31.42	
33 14 13 13-0382	EA	4" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	57.48	
		Note: Includes four (4) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0383	EA	6" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	68.53	
		Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0384	EA	8" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	81.79	
		Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0385	EA	10" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	112.74	
		Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0386	EA	12" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	119.37	
		Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0387	EA	14" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	196.75	
		Note: Includes ten (10) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0388	EA	16" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	207.80	
		Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0389	EA	18" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	280.75	
		Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0390	EA	20" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	360.33	
		Note: Includes fourteen (14) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0391	EA	24" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	504.03	
		Note: Includes sixteen (16) 3/4" diameter plain finish Boltss with nut.		

**33 14 13 13-0392 Mechanical Joint Restraints With Accessories For Ductile Iron Pipe (MEGALUG® 1100DEC Series)** (33 14 13 13-0002)

Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts and bolts. Excludes pipe and fitting.

33 14 13 13-0393	EA	3" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1103DSC).....	184.40	66.50
33 14 13 13-0394	EA	4" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1104DEC).....	210.20	78.76
33 14 13 13-0395	EA	6" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1106DEC).....	260.77	97.47
33 14 13 13-0396	EA	8" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1108DEC).....	325.79	113.75
33 14 13 13-0397	EA	10" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1110DEC).....	469.23	164.92
33 14 13 13-0398	EA	12" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1112DEC).....	579.62	188.51
33 14 13 13-0399	EA	14" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1114DEC).....	676.20	202.91
33 14 13 13-0400	EA	16" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1116DEC).....	835.61	219.91
33 14 13 13-0401	EA	18" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1118DEC).....	1,073.60	263.88
33 14 13 13-0402	EA	20" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1120DEC).....	1,268.58	293.07
33 14 13 13-0403	EA	24" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1124DEC).....	1,650.64	338.15

**33 14 13 13-0404 Mechanical Joint Ductile Iron Force Balanced Flexible Expansion Joint (FLEX-TEND®)** (33 14 13 13-0002)

33 14 13 13-0405	EA	3" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	4,023.82	54.42
33 14 13 13-0406	EA	4" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	4,188.97	68.03
33 14 13 13-0407	EA	6" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	6,078.41	100.54
33 14 13 13-0408	EA	8" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	8,261.65	119.25
33 14 13 13-0409	EA	10" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	10,414.44	131.64
33 14 13 13-0410	EA	12" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	13,892.46	154.43
33 14 13 13-0411	EA	14" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	17,115.30	173.17
33 14 13 13-0412	EA	16" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	20,248.82	197.91
33 14 13 13-0413	EA	18" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	22,824.11	277.08
33 14 13 13-0414	EA	20" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	30,707.84	346.35
33 14 13 13-0415	EA	24" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	42,550.88	461.80

**33 14 13 13-0416 Set Screw Flange Adapter For Ductile Iron Pipe (E-Z Flange 1000DSM Series)** (33 14 13 13-0002)

Note: Includes machined bolts and gasket.

33 14 13 13-0417	EA	3" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1003DSM).....	183.05	66.50
33 14 13 13-0418	EA	4" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1004DSM).....	235.24	78.76
33 14 13 13-0419	EA	6" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1006DSM).....	304.20	97.47
33 14 13 13-0420	EA	8" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1008DSM).....	347.08	113.75
33 14 13 13-0421	EA	10" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1010DSM).....	610.64	174.43
33 14 13 13-0422	EA	12" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1012DSM).....	691.02	199.38

33 14 13 13-0423		<b>Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 2100 Series)</b> (33 14 13 13-0002) Note: Includes nuts, bolts and gasket.		
33 14 13 13-0424	EA	3" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210300)	268.13	66.50
33 14 13 13-0425	EA	4" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210400)	333.68	78.76
33 14 13 13-0426	EA	6" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210600)	462.47	97.47
33 14 13 13-0427	EA	8" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210800)	669.81	113.75
33 14 13 13-0428	EA	10" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211000)	969.97	174.43
33 14 13 13-0429	EA	12" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211200)	1,206.76	199.38
33 14 13 13-0430	EA	14" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211400)	1,863.34	214.60
33 14 13 13-0431	EA	16" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211600)	2,614.31	232.58
33 14 13 13-0432	EA	18" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211800)	2,956.29	279.10
33 14 13 13-0433	EA	20" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 212000)	3,265.53	309.96
33 14 13 13-0434	EA	24" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 212400)	3,951.25	357.64
33 14 13 13-0435	EA	30" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 213000)	5,084.85	428.89
33 14 13 13-0436	EA	36" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 213600)	7,599.32	536.73
33 14 13 13-0437	EA	42" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 214200)	19,855.49	619.29
33 14 13 13-0438	EA	48" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 214800)	25,431.89	796.47
33 14 13 13-0439		<b>Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Piping</b> (33 14 13 13-0001) Note: See CSI section 33 14 13 13-0355 for bolts and gaskets.		
33 14 13 13-0440		<b>Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow</b> (33 14 13 13-0439)		
33 14 13 13-0441	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	361.69	37.95
33 14 13 13-0442	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	432.87	45.46
33 14 13 13-0443	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	671.28	66.60
33 14 13 13-0444	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	915.94	79.29
33 14 13 13-0445	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	1,252.55	87.96
33 14 13 13-0446	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	1,586.87	102.95
33 14 13 13-0447	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	2,251.35	115.95
33 14 13 13-0448	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	2,730.47	131.95
33 14 13 13-0449	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	3,303.08	184.92
33 14 13 13-0450	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	4,117.11	230.90
33 14 13 13-0451	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	5,818.36	307.87
33 14 13 13-0452		<b>Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow</b> (33 14 13 13-0439)		
33 14 13 13-0453	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	345.98	37.95
33 14 13 13-0454	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	405.74	45.46
33 14 13 13-0455	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	624.16	66.60
33 14 13 13-0456	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	843.11	79.29
33 14 13 13-0457	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,098.32	87.96
33 14 13 13-0458	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,448.34	102.95
33 14 13 13-0459	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,954.31	115.95
33 14 13 13-0460	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	2,339.17	131.95
33 14 13 13-0461	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	2,770.40	184.92
33 14 13 13-0462	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	3,364.51	230.90
33 14 13 13-0463	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	4,434.55	307.87
33 14 13 13-0464		<b>Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow</b> (33 14 13 13-0439)		
33 14 13 13-0465	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	270.29	37.95
33 14 13 13-0466	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	401.45	45.46
33 14 13 13-0467	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	607.02	66.60
33 14 13 13-0468	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	837.40	79.29
33 14 13 13-0469	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,096.89	87.96
33 14 13 13-0470	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,365.51	102.95
33 14 13 13-0471	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,965.73	115.95
33 14 13 13-0472	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	2,287.76	131.95
33 14 13 13-0473	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	2,757.55	184.92
33 14 13 13-0474	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	3,483.04	230.90
33 14 13 13-0475	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	4,340.30	307.87
33 14 13 13-0476	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	7,236.03	329.86
33 14 13 13-0477	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	9,862.74	342.85
33 14 13 13-0478	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	14,100.81	395.83
33 14 13 13-0479	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	18,043.47	420.82
33 14 13 13-0480		<b>Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow</b> (33 14 13 13-0439)		
33 14 13 13-0481	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	270.29	37.95
33 14 13 13-0482	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	480.00	45.46
33 14 13 13-0483	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	612.73	66.60
33 14 13 13-0484	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	811.69	79.29
33 14 13 13-0485	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,094.04	87.96
33 14 13 13-0486	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,326.96	102.95
33 14 13 13-0487	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,115.68	115.95
33 14 13 13-0488	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,357.74	131.95

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33 14 13 13-0489	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	3,163.12	184.92
33 14 13 13-0490	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	3,360.22	230.90
33 14 13 13-0491	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	4,341.73	307.87

**33 14 13 13-0492 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow**
(33 14 13 13-0439)

33 14 13 13-0493	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	317.42	37.95
33 14 13 13-0494	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	465.72	45.46
33 14 13 13-0495	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	725.55	66.60
33 14 13 13-0496	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	984.49	79.29
33 14 13 13-0497	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,352.52	87.96
33 14 13 13-0498	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,696.83	102.95
33 14 13 13-0499	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	3,041.08	115.95
33 14 13 13-0500	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	4,739.78	131.95
33 14 13 13-0501	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	5,420.92	184.92
33 14 13 13-0502	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	6,250.66	230.90
33 14 13 13-0503	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	6,766.61	307.87

**33 14 13 13-0504 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow**
(33 14 13 13-0439)

33 14 13 13-0505	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	317.42	37.95
33 14 13 13-0506	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	411.45	45.46
33 14 13 13-0507	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	647.02	66.60
33 14 13 13-0508	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	913.08	79.29
33 14 13 13-0509	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,208.28	87.96
33 14 13 13-0510	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,571.16	102.95
33 14 13 13-0511	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	2,091.40	115.95
33 14 13 13-0512	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	2,511.97	131.95
33 14 13 13-0513	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	4,692.60	184.92
33 14 13 13-0514	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	4,928.24	230.90
33 14 13 13-0515	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	5,141.45	307.87

**33 14 13 13-0516 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee**
(33 14 13 13-0439)

33 14 13 13-0517	EA	3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	447.56	56.94
33 14 13 13-0518	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	488.55	64.19
33 14 13 13-0519	EA	4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	515.63	66.60
33 14 13 13-0520	EA	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	733.42	84.43
33 14 13 13-0521	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	794.40	87.75
33 14 13 13-0522	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	838.81	98.31
33 14 13 13-0523	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	974.08	101.48
33 14 13 13-0524	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,054.20	112.06
33 14 13 13-0525	EA	8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,159.03	119.46
33 14 13 13-0526	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,303.44	108.95
33 14 13 13-0527	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,302.72	118.95
33 14 13 13-0528	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,411.27	125.95
33 14 13 13-0529	EA	10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,522.31	131.95
33 14 13 13-0530	EA	12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,567.63	121.94
33 14 13 13-0531	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,582.62	131.95
33 14 13 13-0532	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,711.15	138.93
33 14 13 13-0533	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,970.72	144.94
33 14 13 13-0534	EA	12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,976.43	151.93
33 14 13 13-0535	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,236.91	153.94
33 14 13 13-0536	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,419.72	160.93
33 14 13 13-0537	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,933.49	166.92
33 14 13 13-0538	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,096.29	173.92
33 14 13 13-0539	EA	14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,871.49	184.92
33 14 13 13-0540	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,676.10	184.92
33 14 13 13-0541	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,820.43	190.91
33 14 13 13-0542	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,379.90	197.91
33 14 13 13-0543	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,172.83	203.91





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33 14 13 13-0624		Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee <small>(33 14 13 13-0439)</small>	
33 14 13 13-0625	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	891.65 98.31
33 14 13 13-0626	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	1,108.47 112.06
33 14 13 13-0627	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	1,588.34 118.95
33 14 13 13-0628	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	1,828.25 131.95
33 14 13 13-0629	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	2,418.27 153.94
33 14 13 13-0630	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	2,946.10 184.92
33 14 13 13-0631	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	3,477.10 236.90
33 14 13 13-0632	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	4,673.63 338.86
33 14 13 13-0633	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	5,453.52 440.81

33 14 13 13-0634		Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross <small>(33 14 13 13-0439)</small>	
33 14 13 13-0635	EA	3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	499.17 75.91
33 14 13 13-0636	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	623.57 82.61
33 14 13 13-0637	EA	4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	779.50 83.52
33 14 13 13-0638	EA	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	826.65 103.54
33 14 13 13-0639	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	967.45 112.06
33 14 13 13-0640	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,068.28 139.55
33 14 13 13-0641	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,027.59 122.63
33 14 13 13-0642	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,211.25 150.12
33 14 13 13-0643	EA	8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,198.57 160.69
33 14 13 13-0644	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,207.22 127.95
33 14 13 13-0645	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,352.87 153.94
33 14 13 13-0646	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,607.79 163.93
33 14 13 13-0647	EA	10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,741.80 175.92
33 14 13 13-0648	EA	12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,552.31 138.93
33 14 13 13-0649	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,796.50 164.92
33 14 13 13-0650	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,950.03 174.93
33 14 13 13-0651	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	2,275.41 186.92
33 14 13 13-0652	EA	12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	2,599.08 197.91
33 14 13 13-0653	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	2,688.33 180.92
33 14 13 13-0654	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	3,188.87 190.91
33 14 13 13-0655	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	3,265.76 203.91
33 14 13 13-0656	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	3,446.63 213.91
33 14 13 13-0657	EA	14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	3,820.05 230.90
33 14 13 13-0658	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	3,008.90 204.91
33 14 13 13-0659	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	3,443.77 213.91
33 14 13 13-0660	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	4,154.72 226.91
33 14 13 13-0661	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	4,646.91 237.90
33 14 13 13-0662	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	5,647.27 253.89
33 14 13 13-0663	EA	16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	5,893.58 276.88
33 14 13 13-0664	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	5,201.84 241.90
33 14 13 13-0665	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	5,503.90 251.89
33 14 13 13-0666	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	5,762.15 263.88
33 14 13 13-0667	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	6,260.03 274.88
33 14 13 13-0668	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	7,336.09 290.87
33 14 13 13-0669	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	7,803.76 313.86
33 14 13 13-0670	EA	18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	8,147.34 351.85
33 14 13 13-0671	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	6,540.45 303.87
33 14 13 13-0672	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	6,845.36 312.87
33 14 13 13-0673	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	7,053.63 325.86
33 14 13 13-0674	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	7,547.24 336.86
33 14 13 13-0675	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	7,669.33 352.85
33 14 13 13-0676	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	9,332.30 375.83
33 14 13 13-0677	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	9,675.88 412.82
33 14 13 13-0678	EA	20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	10,440.40 474.80
33 14 13 13-0679	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	8,955.01 379.84
33 14 13 13-0680	EA	24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	9,163.11 389.83
33 14 13 13-0681	EA	24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	9,515.32 401.82
33 14 13 13-0682	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	9,819.00 412.82
33 14 13 13-0683	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	9,986.77 428.82
33 14 13 13-0684	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	10,358.76 451.80
33 14 13 13-0685	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	13,815.56 489.79
33 14 13 13-0686	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	14,530.10 550.76
33 14 13 13-0687	EA	24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	15,987.84 626.73

33 14 13 13-0688		Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducers <small>(33 14 13 13-0439)</small>	
33 14 13 13-0689	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	355.35 41.30

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0690	EA		6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	496.87	51.77
33 14 13 13-0691	EA		6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	546.22	54.97
33 14 13 13-0692	EA		8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	716.83	62.37
33 14 13 13-0693	EA		8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	745.45	72.95
33 14 13 13-0694	EA		10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	876.92	64.97
33 14 13 13-0695	EA		10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	917.62	74.97
33 14 13 13-0696	EA		10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	954.76	81.97
33 14 13 13-0697	EA		12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,014.01	71.97
33 14 13 13-0698	EA		12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,121.84	81.97
33 14 13 13-0699	EA		12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,140.41	87.96
33 14 13 13-0700	EA		12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,191.48	94.96
33 14 13 13-0701	EA		14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,755.31	92.96
33 14 13 13-0702	EA		14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,765.31	98.96
33 14 13 13-0703	EA		14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,536.48	105.96
33 14 13 13-0704	EA		14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,567.89	111.95
33 14 13 13-0705	EA		16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,104.18	107.95
33 14 13 13-0706	EA		16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,041.35	114.95
33 14 13 13-0707	EA		16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,916.77	120.95
33 14 13 13-0708	EA		16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,893.92	126.94
33 14 13 13-0709	EA		16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,141.81	137.94
33 14 13 13-0710	EA		18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,287.58	139.94
33 14 13 13-0711	EA		18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,580.00	146.94
33 14 13 13-0712	EA		18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,464.32	152.93
33 14 13 13-0713	EA		18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,946.42	163.93
33 14 13 13-0714	EA		18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,579.82	179.92
33 14 13 13-0715	EA		20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,046.50	191.92
33 14 13 13-0716	EA		20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,070.44	197.91
33 14 13 13-0717	EA		20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,789.10	204.91
33 14 13 13-0718	EA		20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,787.08	215.91
33 14 13 13-0719	EA		20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,718.94	230.90
33 14 13 13-0720	EA		20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,216.53	256.89
33 14 13 13-0721	EA		24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,837.68	255.89
33 14 13 13-0722	EA		24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,894.22	266.88
33 14 13 13-0723	EA		24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,963.18	281.88
33 14 13 13-0724	EA		24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,902.36	307.87
33 14 13 13-0725	EA		24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,501.35	358.84
<b>33 14 13 13-0726</b>			<b>Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps</b> <small>(33 14 13 13-0439)</small>		
33 14 13 13-0727	EA		3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps .....	327.80	87.22
33 14 13 13-0728	EA		4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps .....	394.98	102.55
33 14 13 13-0729	EA		6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps .....	576.54	127.91
33 14 13 13-0730	EA		8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps .....	771.31	145.89
33 14 13 13-0731	EA		10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps .....	1,025.81	219.91
33 14 13 13-0732	EA		12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps .....	1,291.72	239.90
33 14 13 13-0733	EA		14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps .....	1,468.02	263.88
33 14 13 13-0734	EA		16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps .....	1,785.22	292.87
33 14 13 13-0735	EA		18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps .....	2,090.66	329.86
33 14 13 13-0736	EA		20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps .....	2,520.51	376.84
33 14 13 13-0737	EA		24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps .....	3,229.78	439.81

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

		MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION	
						UNIT COST	UNIT COST	
33 14 13 13-0738		<b>Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug</b> <small>(33 14 13 13-0439)</small>						
33 14 13 13-0739	EA				3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	329.23	87.22	
33 14 13 13-0740	EA				4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	409.26	102.55	
33 14 13 13-0741	EA				6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	613.67	127.91	
33 14 13 13-0742	EA				8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	808.44	145.89	
33 14 13 13-0743	EA				10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	1,238.59	219.91	
33 14 13 13-0744	EA				12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	1,340.28	239.90	
33 14 13 13-0745	EA				14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	1,777.92	263.88	
33 14 13 13-0746	EA				16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	2,143.67	292.87	
33 14 13 13-0747	EA				18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	2,549.07	329.86	
33 14 13 13-0748	EA				20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	3,140.30	376.84	
33 14 13 13-0749	EA				24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	4,112.34	439.81	
33 14 13 13-0750		<b>Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters</b> <small>(33 14 13 13-0439)</small>						
33 14 13 13-0751	EA				3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	447.92	132.57	
33 14 13 13-0752	EA				4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	591.03	153.29	
33 14 13 13-0753	EA				6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	811.97	192.41	
33 14 13 13-0754	EA				8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	1,064.86	218.84	
33 14 13 13-0755	EA				10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	1,567.98	329.86	
33 14 13 13-0756	EA				12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	1,870.48	359.84	
33 14 13 13-0757	EA				14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	2,441.96	395.83	
33 14 13 13-0758	EA				16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	2,771.37	439.81	
33 14 13 13-0759	EA				18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	3,631.55	494.78	
33 14 13 13-0760	EA				20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	4,211.33	565.75	
33 14 13 13-0761	EA				24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	5,096.73	659.72	
33 14 13 13-0762		<b>Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves</b> <small>(33 14 13 13-0439)</small>						
33 14 13 13-0763	EA				3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	465.05	132.57	
33 14 13 13-0764	EA				4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	569.61	153.29	
33 14 13 13-0765	EA				6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	836.25	192.41	
33 14 13 13-0766	EA				8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	1,130.56	218.84	
33 14 13 13-0767	EA				10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	1,476.59	329.86	
33 14 13 13-0768	EA				12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	1,784.79	359.84	
33 14 13 13-0769	EA				14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	2,259.17	395.83	
33 14 13 13-0770	EA				16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	2,674.26	439.81	
33 14 13 13-0771	EA				18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	3,191.70	494.78	
33 14 13 13-0772	EA				20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	3,715.79	565.75	
33 14 13 13-0773	EA				24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	4,642.60	659.72	
33 14 13 13-0774		<b>Push-On Joint Ductile Iron Piping</b> <small>(33 14 13 13-0001)</small>						
33 14 13 13-0775		<b>Push-On Joint Ductile Iron Pipe</b> <small>(33 14 13 13-0774)</small>						
		Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D.						
33 14 13 13-0776	LF				4", Class 50, Push-On Joint Ductile Iron Pipe.....	32.35	8.72	
					For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	13.40		
					For Cement Mortar Lining (CML), Add	1.91		
					Note: ANSI/AWWA C104/A21.4			
					For 40 Mil Ceramic Epoxy Lining (P401), Add	10.34		
					For Fusion Bonded Epoxy Lining (206N), Add	3.45		
					Note: ANSI/AWWA C104/A21.4			
					For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.44		
					Note: ANSI/AWWA C151/A21.51			
					For >1,000, Deduct	-1.62		
					For Class 51, Add	2.77		
					For Class 52, Add	5.98		
					For Class 53, Add	10.75		
					For Class 54, Add	15.33		
					For Class 55, Add	17.64		
					For Class 56, Add	19.91		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0777	LF	6"	Class 50, Push-On Joint Ductile Iron Pipe.....	35.48	9.62
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	14.70	
			For Cement Mortar Lining (CML), Add	2.10	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	11.34	
			For Fusion Bonded Epoxy Lining (206N), Add	3.78	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.58	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-1.77	
			For Class 51, Add	3.04	
			For Class 52, Add	6.56	
			For Class 53, Add	11.80	
			For Class 54, Add	16.82	
			For Class 55, Add	19.35	
			For Class 56, Add	21.84	
33 14 13 13-0778	LF	8"	Class 50, Push-On Joint Ductile Iron Pipe.....	44.57	10.57
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	20.10	
			For Cement Mortar Lining (CML), Add	2.87	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	15.50	
			For Fusion Bonded Epoxy Lining (206N), Add	5.17	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.15	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-2.23	
			For Class 51, Add	4.11	
			For Class 52, Add	8.87	
			For Class 53, Add	15.98	
			For Class 54, Add	22.80	
			For Class 55, Add	26.21	
			For Class 56, Add	29.57	
33 14 13 13-0779	LF	10"	Class 50, Push-On Joint Ductile Iron Pipe.....	62.98	14.89
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	24.29	
			For Cement Mortar Lining (CML), Add	4.05	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	20.25	
			For Fusion Bonded Epoxy Lining (206N), Add	7.29	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.04	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-3.15	
			For Class 51, Add	5.80	
			For Class 52, Add	12.51	
			For Class 53, Add	22.54	
			For Class 54, Add	32.16	
			For Class 55, Add	36.98	
			For Class 56, Add	41.71	
33 14 13 13-0780	LF	12"	Class 50, Push-On Joint Ductile Iron Pipe.....	73.27	16.49
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	24.14	
			For Cement Mortar Lining (CML), Add	4.83	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	19.31	
			For Fusion Bonded Epoxy Lining (206N), Add	8.69	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.62	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-3.66	
			For Class 51, Add	6.89	
			For Class 52, Add	14.87	
			For Class 53, Add	26.81	
			For Class 54, Add	38.25	
			For Class 55, Add	43.98	
			For Class 56, Add	49.60	
33 14 13 13-0781	LF	14"	Class 50, Push-On Joint Ductile Iron Pipe.....	89.63	18.59
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	27.08	
			For Cement Mortar Lining (CML), Add	6.15	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	20.92	
			For Fusion Bonded Epoxy Lining (206N), Add	11.08	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.62	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-4.48	
			For Class 51, Add	8.74	
			For Class 52, Add	18.86	
			For Class 53, Add	34.03	
			For Class 54, Add	48.57	
			For Class 55, Add	55.82	
			For Class 56, Add	62.94	

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 14 13 13-0782	LF	16", Class 50, Push-On Joint Ductile Iron Pipe.....	106.39	21.19
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	30.46	
		For Cement Mortar Lining (CML), Add	7.43	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	23.03	
		For Fusion Bonded Epoxy Lining (206N), Add	13.37	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.57	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	-5.32	
		For Class 51, Add	10.53	
		For Class 52, Add	22.73	
		For Class 53, Add	41.02	
		For Class 54, Add	58.55	
		For Class 55, Add	67.28	
		For Class 56, Add	75.85	
33 14 13 13-0783	LF	18", Class 50, Push-On Joint Ductile Iron Pipe.....	123.78	24.78
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	35.38	
		For Cement Mortar Lining (CML), Add	8.63	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	26.75	
		For Fusion Bonded Epoxy Lining (206N), Add	15.53	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.47	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	-6.19	
		For Class 51, Add	12.23	
		For Class 52, Add	26.40	
		For Class 53, Add	47.65	
		For Class 54, Add	68.01	
		For Class 55, Add	78.15	
		For Class 56, Add	88.11	
33 14 13 13-0784	LF	20", Class 50, Push-On Joint Ductile Iron Pipe.....	142.59	29.69
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	37.09	
		For Cement Mortar Lining (CML), Add	9.76	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	27.33	
		For Fusion Bonded Epoxy Lining (206N), Add	17.57	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.32	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	-7.13	
		For Class 51, Add	13.87	
		For Class 52, Add	29.93	
		For Class 53, Add	54.00	
		For Class 54, Add	77.06	
		For Class 55, Add	88.56	
		For Class 56, Add	99.86	
33 14 13 13-0785	LF	24", Class 50, Push-On Joint Ductile Iron Pipe.....	180.48	37.09
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	38.50	
		For Cement Mortar Lining (CML), Add	12.42	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	26.08	
		For Fusion Bonded Epoxy Lining (206N), Add	22.36	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	9.32	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	-9.02	
		For Class 51, Add	17.63	
		For Class 52, Add	38.06	
		For Class 53, Add	68.67	
		For Class 54, Add	98.00	
		For Class 55, Add	112.63	
		For Class 56, Add	126.99	
<b>33 14 13 13-0786</b>		<b>Push-On Joint Ductile Iron 90 Degree Elbow (33 14 13 13-0774)</b>		
33 14 13 13-0787	EA	4" 90 Degree Elbow, Push-On Joint Ductile Iron .....	160.41	34.05
		For Cement Mortar Lining (CML), Add	10.88	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	19.59	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.16	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0788	EA	6" 90 Degree Elbow, Push-On Joint Ductile Iron .....	232.98	50.22
		For Cement Mortar Lining (CML), Add	15.69	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	28.23	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	11.76	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0789	EA	8" 90 Degree Elbow, Push-On Joint Ductile Iron .....	307.98	59.63
		For Cement Mortar Lining (CML), Add	21.76	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	39.17	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	16.32	
		Note: ANSI/AWWA C151/A21.51		

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 14 13 13-0790	EA			10" 90 Degree Elbow, Push-On Joint Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	464.97 32.89 59.21 24.67	65.77
33 14 13 13-0791	EA			12" 90 Degree Elbow, Push-On Joint Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	594.68 43.52 78.34 32.64	77.16
33 14 13 13-0792	EA			14" 90 Degree Elbow, Push-On Joint Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,133.42 95.45 171.80 71.58	86.56
33 14 13 13-0793	EA			16" 90 Degree Elbow, Push-On Joint Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,281.98 107.75 193.95 80.81	98.96
33 14 13 13-0794	EA			18" 90 Degree Elbow, Push-On Joint Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,986.66 170.04 306.08 127.53	138.54
33 14 13 13-0795	EA			20" 90 Degree Elbow, Push-On Joint Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,243.31 189.41 340.94 142.06	174.63
33 14 13 13-0796	EA			24" 90 Degree Elbow, Push-On Joint Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,801.26 236.48 425.66 177.36	218.31

**33 14 13 13-0797 Push-On Joint Ductile Iron 45 Degree Elbow** (33 14 13 13-0774)

33 14 13 13-0798	EA			4" 45 Degree Elbow, Push-On Joint Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	135.66 8.41 15.13 6.31	34.05
33 14 13 13-0799	EA			6" 45 Degree Elbow, Push-On Joint Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	199.71 12.36 22.25 9.27	50.22
33 14 13 13-0800	EA			8" 45 Degree Elbow, Push-On Joint Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	272.18 18.18 32.72 13.63	59.63
33 14 13 13-0801	EA			10" 45 Degree Elbow, Push-On Joint Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	415.55 27.95 50.31 20.96	65.77
33 14 13 13-0802	EA			12" 45 Degree Elbow, Push-On Joint Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	531.70 37.22 67.00 27.92	77.16

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

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TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 14 13 13-0803	EA	14" 45 Degree Elbow, Push-On Joint Ductile Iron	740.16	86.56
		For Cement Mortar Lining (CML), Add	56.12	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	101.01	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	42.09	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0804	EA	16" 45 Degree Elbow, Push-On Joint Ductile Iron	1,076.07	98.96
		For Cement Mortar Lining (CML), Add	87.16	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	156.89	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	65.37	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0805	EA	18" 45 Degree Elbow, Push-On Joint Ductile Iron	1,254.11	138.54
		For Cement Mortar Lining (CML), Add	96.79	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	174.22	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	72.59	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0806	EA	20" 45 Degree Elbow, Push-On Joint Ductile Iron	1,741.77	174.63
		For Cement Mortar Lining (CML), Add	139.26	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	250.66	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	104.44	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0807	EA	24" 45 Degree Elbow, Push-On Joint Ductile Iron	2,162.47	218.31
		For Cement Mortar Lining (CML), Add	172.60	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	310.67	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	129.45	
		Note: ANSI/AWWA C151/A21.51		

**33 14 13 13-0808 Push-On Joint Ductile Iron Tee** (33 14 13 13-0774)

33 14 13 13-0809	EA	4" Tee, Push-On Joint Ductile Iron	244.38	50.22
		For Cement Mortar Lining (CML), Add	16.83	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	30.29	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	12.62	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0810	EA	6" Tee, Push-On Joint Ductile Iron	342.08	73.79
		For Cement Mortar Lining (CML), Add	23.02	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	41.44	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	17.27	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0811	EA	8" Tee, Push-On Joint Ductile Iron	462.04	89.43
		For Cement Mortar Lining (CML), Add	32.64	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	58.75	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	24.48	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0812	EA	10" Tee, Push-On Joint Ductile Iron	663.55	99.96
		For Cement Mortar Lining (CML), Add	51.36	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	92.45	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	38.52	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0813	EA	12" Tee, Push-On Joint Ductile Iron	822.65	115.25
		For Cement Mortar Lining (CML), Add	64.77	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	116.59	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	48.58	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0814	EA	14" Tee, Push-On Joint Ductile Iron	1,302.50	138.54
		For Cement Mortar Lining (CML), Add	109.26	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	196.67	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	81.94	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0815	EA	16" Tee, Push-On Joint Ductile Iron	1,869.87	173.23
		For Cement Mortar Lining (CML), Add	160.75	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	289.35	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	120.56	
		Note: ANSI/AWWA C151/A21.51		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 14 13 13-0816	EA			18" Tee, Push-On Joint Ductile Iron.....	2,356.58	231.10
				For Cement Mortar Lining (CML), Add	200.64	
				Note: ANSI/AWWA C104/A21.4		
				For Fusion Bonded Epoxy Lining (206N), Add	361.16	
				Note: ANSI/AWWA C104/A21.4		
				For Bituminous Or Coal Tar Coating, 1 Mil, Add	150.48	
				Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0817	EA			20" Tee, Push-On Joint Ductile Iron.....	2,781.59	281.98
				For Cement Mortar Lining (CML), Add	235.44	
				Note: ANSI/AWWA C104/A21.4		
				For Fusion Bonded Epoxy Lining (206N), Add	423.79	
				Note: ANSI/AWWA C104/A21.4		
				For Bituminous Or Coal Tar Coating, 1 Mil, Add	176.58	
				Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0818	EA			24" Tee, Push-On Joint Ductile Iron.....	3,635.23	352.44
				For Cement Mortar Lining (CML), Add	310.13	
				Note: ANSI/AWWA C104/A21.4		
				For Fusion Bonded Epoxy Lining (206N), Add	558.23	
				Note: ANSI/AWWA C104/A21.4		
				For Bituminous Or Coal Tar Coating, 1 Mil, Add	232.59	
				Note: ANSI/AWWA C151/A21.51		

**33 14 13 13-0819 Flanged End x Push-On Joint Ductile Iron Adapters** (33 14 13 13-0774)

33 14 13 13-0820	EA			4" Flanged End x Push-On Joint Adapter, Ductile Iron .....	361.76	118.08
				For Cement Mortar Lining (CML), Add	18.29	
				Note: ANSI/AWWA C104/A21.4		
				For Fusion Bonded Epoxy Lining (206N), Add	32.91	
				Note: ANSI/AWWA C104/A21.4		
				For Bituminous Or Coal Tar Coating, 1 Mil, Add	13.71	
				Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0821	EA			6" Flanged End x Push-On Joint Adapter, Ductile Iron .....	443.15	146.21
				For Cement Mortar Lining (CML), Add	22.17	
				Note: ANSI/AWWA C104/A21.4		
				For Fusion Bonded Epoxy Lining (206N), Add	39.90	
				Note: ANSI/AWWA C104/A21.4		
				For Bituminous Or Coal Tar Coating, 1 Mil, Add	16.62	
				Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0822	EA			8" Flanged End x Push-On Joint Adapter, Ductile Iron .....	577.04	170.52
				For Cement Mortar Lining (CML), Add	31.86	
				Note: ANSI/AWWA C104/A21.4		
				For Fusion Bonded Epoxy Lining (206N), Add	57.35	
				Note: ANSI/AWWA C104/A21.4		
				For Bituminous Or Coal Tar Coating, 1 Mil, Add	23.90	
				Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0823	EA			10" Flanged End x Push-On Joint Adapter, Ductile Iron .....	790.43	247.39
				For Cement Mortar Lining (CML), Add	41.56	
				Note: ANSI/AWWA C104/A21.4		
				For Fusion Bonded Epoxy Lining (206N), Add	74.81	
				Note: ANSI/AWWA C104/A21.4		
				For Bituminous Or Coal Tar Coating, 1 Mil, Add	31.17	
				Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0824	EA			12" Flanged End x Push-On Joint Adapter, Ductile Iron .....	954.80	282.78
				For Cement Mortar Lining (CML), Add	52.64	
				Note: ANSI/AWWA C104/A21.4		
				For Fusion Bonded Epoxy Lining (206N), Add	94.75	
				Note: ANSI/AWWA C104/A21.4		
				For Bituminous Or Coal Tar Coating, 1 Mil, Add	39.48	
				Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0825	EA			14" Flanged End x Push-On Joint Adapter, Ductile Iron .....	1,098.58	304.47
				For Cement Mortar Lining (CML), Add	63.72	
				Note: ANSI/AWWA C104/A21.4		
				For Fusion Bonded Epoxy Lining (206N), Add	114.70	
				Note: ANSI/AWWA C104/A21.4		
				For Bituminous Or Coal Tar Coating, 1 Mil, Add	47.79	
				Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0826	EA			16" Flanged End x Push-On Joint Adapter, Ductile Iron .....	1,303.25	329.86
				For Cement Mortar Lining (CML), Add	80.35	
				Note: ANSI/AWWA C104/A21.4		
				For Fusion Bonded Epoxy Lining (206N), Add	144.62	
				Note: ANSI/AWWA C104/A21.4		
				For Bituminous Or Coal Tar Coating, 1 Mil, Add	60.26	
				Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0827	EA			18" Flanged End x Push-On Joint Adapter, Ductile Iron .....	1,541.74	395.83
				For Cement Mortar Lining (CML), Add	94.20	
				Note: ANSI/AWWA C104/A21.4		
				For Fusion Bonded Epoxy Lining (206N), Add	169.56	
				Note: ANSI/AWWA C104/A21.4		
				For Bituminous Or Coal Tar Coating, 1 Mil, Add	70.65	
				Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0828	EA			20" Flanged End x Push-On Joint Adapter, Ductile Iron .....	1,788.47	439.81
				For Cement Mortar Lining (CML), Add	112.21	
				Note: ANSI/AWWA C104/A21.4		
				For Fusion Bonded Epoxy Lining (206N), Add	201.98	
				Note: ANSI/AWWA C104/A21.4		
				For Bituminous Or Coal Tar Coating, 1 Mil, Add	84.16	
				Note: ANSI/AWWA C151/A21.51		

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0829	EA		24" Flanged End x Push-On Joint Adapter, Ductile Iron ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,237.31 146.84 264.31 110.13	507.48
<b>33 14 13 13-0830</b>			<b>Push-On Joint Ductile Iron Pipe And Fitting Restraints</b> (33 14 13 13-0774) Note: Includes ductile iron follower gland, restraint ring and all nuts and bolts. Excludes pipe and fitting.		
33 14 13 13-0831	EA		4" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	35.85	18.39
33 14 13 13-0832	EA		6" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	47.90	23.98
33 14 13 13-0833	EA		8" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	62.63	24.46
33 14 13 13-0834	EA		10" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	72.38	25.98
33 14 13 13-0835	EA		12" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	84.92	28.86
33 14 13 13-0836	EA		14" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	104.92	32.46
33 14 13 13-0837	EA		16" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	123.08	37.11
33 14 13 13-0838	EA		18" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	137.80	40.20
33 14 13 13-0839	EA		20" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	161.47	48.24
33 14 13 13-0840	EA		24" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	189.53	50.10
<b>33 14 13 13-0841</b>			<b>Push-On Joint Ductile Iron Bell Restraint Harness (MEGALUG® 1700 Series)</b> (33 14 13 13-0774)		
33 14 13 13-0842	EA		4" Bell Restraint Harness, Ductile Iron (MEGALUG® 170400) .....	216.79	67.47
33 14 13 13-0843	EA		6" Bell Restraint Harness, Ductile Iron (MEGALUG® 170600) .....	286.18	82.37
33 14 13 13-0844	EA		8" Bell Restraint Harness, Ductile Iron (MEGALUG® 170800) .....	368.59	100.45
33 14 13 13-0845	EA		10" Bell Restraint Harness, Ductile Iron (MEGALUG® 171000) .....	556.09	122.55
33 14 13 13-0846	EA		12" Bell Restraint Harness, Ductile Iron (MEGALUG® 171200) .....	689.78	149.44
33 14 13 13-0847	EA		14" Bell Restraint Harness, Ductile Iron (MEGALUG® 171400) .....	1,190.76	182.32
33 14 13 13-0848	EA		16" Bell Restraint Harness, Ductile Iron (MEGALUG® 171600) .....	1,359.13	222.51
33 14 13 13-0849	EA		18" Bell Restraint Harness, Ductile Iron (MEGALUG® 171800) .....	1,542.50	271.38
33 14 13 13-0850	EA		20" Bell Restraint Harness, Ductile Iron (MEGALUG® 172000) .....	2,097.61	331.15
33 14 13 13-0851	EA		24" Bell Restraint Harness, Ductile Iron (MEGALUG® 172400) .....	2,675.77	403.92
<b>33 14 13 13-0852</b>			<b>Ductile Iron Pipe Repair</b> (33 14 13 13-0001) See CSI section 33 14 13 13-0002 for mechanical joint fittings.		
<b>33 14 13 13-0853</b>			<b>WEKO Seals</b> (33 14 13 13-0852) Note: Internal joint seal.		
33 14 13 13-0854	EA		16" WEKO Internal Joint Seal .....	1,341.55	190.87
			<i>For Extra Wide Seals, Add</i> 84.46		
33 14 13 13-0855	EA		18" WEKO Internal Joint Seal .....	1,428.45	201.55
			<i>For Extra Wide Seals, Add</i> 85.27		
33 14 13 13-0856	EA		20" WEKO Internal Joint Seal .....	1,515.20	212.22
			<i>For Extra Wide Seals, Add</i> 86.08		
33 14 13 13-0857	EA		24" WEKO Internal Joint Seal .....	1,607.24	229.20
			<i>For Extra Wide Seals, Add</i> 87.36		
<b>33 14 13 23</b>			<b>Plastic Public Water Utility Distribution Piping</b> (33 14 13)		
<b>33 14 13 23-0001</b>			<b>AWWA C900/C905 Polyvinyl Chloride (PVC) Pipe</b> (33 14 13 23) Note: Includes hub on one end of pipe. C900 is available in blue, white, purple or green.		
<b>33 14 13 23-0002</b>			<b>AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe</b> (33 14 13 23-0001)		
33 14 13 23-0003	LF		4" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe .....	9.20	3.46
33 14 13 23-0004	LF		6" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe .....	13.01	4.20
33 14 13 23-0005	LF		8" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe .....	17.41	4.72
33 14 13 23-0006	LF		10" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe .....	22.49	5.25
33 14 13 23-0007	LF		12" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe .....	28.72	5.87
<b>33 14 13 23-0008</b>			<b>AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe</b> (33 14 13 23-0001)		
33 14 13 23-0009	LF		4" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe .....	10.01	3.46
33 14 13 23-0010	LF		6" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe .....	14.69	4.20
33 14 13 23-0011	LF		8" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe .....	20.24	4.72
33 14 13 23-0012	LF		10" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe .....	26.90	5.25
33 14 13 23-0013	LF		12" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe .....	34.87	5.87
<b>33 14 13 23-0014</b>			<b>AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe</b> (33 14 13 23-0001)		
33 14 13 23-0015	LF		4" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe .....	10.81	3.46
33 14 13 23-0016	LF		6" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe .....	16.36	4.20
33 14 13 23-0017	LF		8" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe .....	23.08	4.72
33 14 13 23-0018	LF		10" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe .....	31.22	5.25
33 14 13 23-0019	LF		12" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe .....	41.03	5.87
<b>33 14 13 23-0020</b>			<b>AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe</b> (33 14 13 23-0001)		
33 14 13 23-0021	LF		18" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe .....	44.97	8.81
33 14 13 23-0022	LF		20" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe .....	54.71	10.49
33 14 13 23-0023	LF		24" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe .....	72.81	12.59
33 14 13 23-0024	LF		30" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe .....	103.81	14.69

			MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0025	LF		36" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe.....	141.94	16.78
33 14 13 23-0026	LF		42" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe.....	178.50	17.84
33 14 13 23-0027	LF		48" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe.....	224.72	19.20
<b>33 14 13 23-0028 AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)</b>					
33 14 13 23-0029	LF		14" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe.....	33.20	6.61
33 14 13 23-0030	LF		16" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe.....	41.31	7.35
33 14 13 23-0031	LF		18" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe.....	51.13	8.81
33 14 13 23-0032	LF		20" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe.....	62.71	10.49
33 14 13 23-0033	LF		24" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe.....	85.15	12.59
33 14 13 23-0034	LF		30" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe.....	121.51	14.69
33 14 13 23-0035	LF		36" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe.....	165.64	16.78
33 14 13 23-0036	LF		42" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe.....	217.92	17.84
33 14 13 23-0037	LF		48" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe.....	275.86	19.20
<b>33 14 13 23-0038 AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)</b>					
33 14 13 23-0039	LF		14" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe.....	37.95	6.61
33 14 13 23-0040	LF		16" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe.....	47.89	7.35
33 14 13 23-0041	LF		18" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe.....	59.30	8.81
33 14 13 23-0042	LF		20" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe.....	73.31	10.49
33 14 13 23-0043	LF		24" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe.....	100.37	12.59
33 14 13 23-0044	LF		30" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe.....	144.38	14.69
33 14 13 23-0045	LF		36" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe.....	199.04	16.78
33 14 13 23-0046	LF		42" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe.....	257.48	17.84
33 14 13 23-0047	LF		48" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe.....	327.48	19.20
<b>33 14 13 23-0048 AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)</b>					
33 14 13 23-0049	LF		14" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe.....	46.05	6.61
33 14 13 23-0050	LF		16" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe.....	57.52	7.35
33 14 13 23-0051	LF		18" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe.....	71.69	8.81
33 14 13 23-0052	LF		20" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe.....	88.28	10.49
33 14 13 23-0053	LF		24" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe.....	121.95	12.59
33 14 13 23-0054	LF		30" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe.....	178.25	14.69
33 14 13 23-0055	LF		36" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe.....	251.11	16.78
33 14 13 23-0056	LF		42" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe.....	333.84	17.84
33 14 13 23-0057	LF		48" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe.....	429.96	19.20
<b>33 14 13 23-0058 AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)</b>					
33 14 13 23-0059	LF		14" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe.....	52.14	6.61
33 14 13 23-0060	LF		16" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe.....	65.44	7.35
33 14 13 23-0061	LF		18" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe.....	81.69	8.81
33 14 13 23-0062	LF		20" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe.....	100.72	10.49
33 14 13 23-0063	LF		24" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe.....	139.86	12.59
33 14 13 23-0064	LF		30" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe.....	205.80	14.69
33 14 13 23-0065	LF		36" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe.....	291.35	16.78
33 14 13 23-0066	LF		42" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe.....	389.00	17.84
<b>33 14 13 23-0067 AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)</b>					
33 14 13 23-0068	LF		14" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe.....	58.08	6.61
33 14 13 23-0069	LF		16" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe.....	73.15	7.35
33 14 13 23-0070	LF		18" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe.....	91.40	8.81
33 14 13 23-0071	LF		20" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe.....	112.84	10.49
33 14 13 23-0072	LF		24" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe.....	157.28	12.59
33 14 13 23-0073	LF		30" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe.....	232.60	14.69
33 14 13 23-0074	LF		36" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe.....	330.50	16.78
<b>33 14 13 23-0075 AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) Fittings (33 14 13 23)</b>					
Note: Includes rubber gaskets.					
<b>33 14 13 23-0076 90 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) (33 14 13 23-0075)</b>					
33 14 13 23-0077	EA		4" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	173.82	11.54
			For DR 25, Deduct	-9.04	
33 14 13 23-0078	EA		6" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	355.01	12.99
			For DR 25, Deduct	-19.74	
33 14 13 23-0079	EA		8" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	532.84	14.43
			For DR 25, Deduct	-30.24	
33 14 13 23-0080	EA		10" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	814.41	23.23
			For DR 25, Deduct	-46.08	
33 14 13 23-0081	EA		12" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,060.75	38.72
			For DR 25, Deduct	-59.00	
33 14 13 23-0082	EA		14" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,591.97	48.41
			For DR 25, Deduct	-89.71	
33 14 13 23-0083	EA		16" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,899.85	58.09
			For DR 25, Deduct	-107.02	
33 14 13 23-0084	EA		18" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,257.72	77.46
			For DR 25, Deduct	-186.17	
33 14 13 23-0085	EA		20" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,010.53	96.82
			For DR 25, Deduct	-229.01	

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

33 14 13 23-0086	EA	24"	90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	6,654.25	130.70
			<i>For DR 25, Deduct</i>	-383.57	
<b>33 14 13 23-0087 45 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)</b> <small>(33 14 13 23-0075)</small>					
33 14 13 23-0088	EA	4"	45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	154.14	11.54
			<i>For DR 25, Deduct</i>	-7.86	
33 14 13 23-0089	EA	6"	45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	265.75	12.99
			<i>For DR 25, Deduct</i>	-14.39	
33 14 13 23-0090	EA	8"	45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	336.60	14.43
			<i>For DR 25, Deduct</i>	-18.46	
33 14 13 23-0091	EA	10"	45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	476.92	23.23
			<i>For DR 25, Deduct</i>	-25.83	
33 14 13 23-0092	EA	12"	45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	638.45	38.72
			<i>For DR 25, Deduct</i>	-33.66	
33 14 13 23-0093	EA	14"	45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,224.63	48.41
			<i>For DR 25, Deduct</i>	-67.67	
33 14 13 23-0094	EA	16"	45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,551.84	58.09
			<i>For DR 25, Deduct</i>	-86.14	
33 14 13 23-0095	EA	18"	45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,675.87	77.46
			<i>For DR 25, Deduct</i>	-151.26	
33 14 13 23-0096	EA	20"	45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,323.63	96.82
			<i>For DR 25, Deduct</i>	-187.80	
33 14 13 23-0097	EA	24"	45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,689.67	130.70
			<i>For DR 25, Deduct</i>	-265.70	
<b>33 14 13 23-0098 22-1/2 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)</b> <small>(33 14 13 23-0075)</small>					
33 14 13 23-0099	EA	4"	22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	151.75	11.54
			<i>For DR 25, Deduct</i>	-7.72	
33 14 13 23-0100	EA	6"	22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	265.76	12.99
			<i>For DR 25, Deduct</i>	-14.39	
33 14 13 23-0101	EA	8"	22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	336.60	14.43
			<i>For DR 25, Deduct</i>	-18.46	
33 14 13 23-0102	EA	10"	22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	476.93	23.23
			<i>For DR 25, Deduct</i>	-25.83	
33 14 13 23-0103	EA	12"	22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	638.46	38.72
			<i>For DR 25, Deduct</i>	-33.66	
33 14 13 23-0104	EA	14"	22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,220.74	46.47
			<i>For DR 25, Deduct</i>	-67.67	
33 14 13 23-0105	EA	16"	22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,551.82	58.09
			<i>For DR 25, Deduct</i>	-86.14	
33 14 13 23-0106	EA	18"	22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,675.87	77.46
			<i>For DR 25, Deduct</i>	-151.26	
33 14 13 23-0107	EA	20"	22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,323.63	96.82
			<i>For DR 25, Deduct</i>	-187.80	
33 14 13 23-0108	EA	24"	22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,689.67	130.70
			<i>For DR 25, Deduct</i>	-265.70	
<b>33 14 13 23-0109 11-1/4 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)</b> <small>(33 14 13 23-0075)</small>					
33 14 13 23-0110	EA	4"	11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	134.13	11.54
			<i>For DR 25, Deduct</i>	-6.66	
33 14 13 23-0111	EA	6"	11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	265.76	12.99
			<i>For DR 25, Deduct</i>	-14.39	
33 14 13 23-0112	EA	8"	11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	336.60	14.43
			<i>For DR 25, Deduct</i>	-18.46	
33 14 13 23-0113	EA	10"	11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	476.93	23.23
			<i>For DR 25, Deduct</i>	-25.83	
33 14 13 23-0114	EA	12"	11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	638.46	38.72
			<i>For DR 25, Deduct</i>	-33.66	
33 14 13 23-0115	EA	14"	11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,220.74	46.47
			<i>For DR 25, Deduct</i>	-67.67	
33 14 13 23-0116	EA	16"	11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,551.82	58.09
			<i>For DR 25, Deduct</i>	-86.14	
33 14 13 23-0117	EA	18"	11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,675.87	77.46
			<i>For DR 25, Deduct</i>	-151.26	
33 14 13 23-0118	EA	20"	11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,323.63	96.82
			<i>For DR 25, Deduct</i>	-187.80	
33 14 13 23-0119	EA	24"	11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,689.67	130.70
			<i>For DR 25, Deduct</i>	-265.70	
<b>33 14 13 23-0120 Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)</b> <small>(33 14 13 23-0075)</small>					
33 14 13 23-0121	EA	4"	Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	206.52	12.99
			<i>For DR 25, Deduct</i>	-10.83	
33 14 13 23-0122	EA	6"	Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	397.97	14.43
			<i>For DR 25, Deduct</i>	-22.15	
33 14 13 23-0123	EA	8"	Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	555.04	16.36
			<i>For DR 25, Deduct</i>	-31.34	
33 14 13 23-0124	EA	10"	Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,144.76	29.05
			<i>For DR 25, Deduct</i>	-65.20	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0125	EA		12" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	1,399.72 -77.01	58.09
33 14 13 23-0126	EA		14" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	2,524.38 -142.75	72.61
33 14 13 23-0127	EA		16" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	3,126.39 -177.12	87.13
33 14 13 23-0128	EA		18" Tee, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	3,945.45 -222.79	116.18
33 14 13 23-0129	EA		20" Tee, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	4,738.62 -266.89	145.23
33 14 13 23-0130	EA		24" Tee, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	6,490.17 -377.56	98.75
<b>33 14 13 23-0131</b>			<b>Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)</b> <small>(33 14 13 23-0075)</small>		
33 14 13 23-0132	EA		6" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	396.65 -21.55	18.76
33 14 13 23-0133	EA		8" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	539.07 -29.92	20.20
33 14 13 23-0134	EA		8" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	552.59 -30.64	20.93
33 14 13 23-0135	EA		10" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	717.98 -39.59	29.05
33 14 13 23-0136	EA		10" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	971.33 -54.71	29.77
33 14 13 23-0137	EA		10" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	1,038.95 -58.68	30.50
33 14 13 23-0138	EA		12" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	1,102.82 -60.83	44.54
33 14 13 23-0139	EA		12" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	1,265.29 -70.49	45.26
33 14 13 23-0140	EA		12" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	1,342.11 -75.01	45.98
33 14 13 23-0141	EA		12" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	1,367.78 -76.03	50.34
33 14 13 23-0142	EA		14" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	2,074.57 -118.20	52.28
33 14 13 23-0143	EA		14" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	2,157.86 -123.11	53.01
33 14 13 23-0144	EA		14" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	2,241.37 -128.03	53.73
33 14 13 23-0145	EA		14" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	2,331.65 -132.93	58.09
33 14 13 23-0146	EA		14" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	2,429.03 -137.84	65.84
33 14 13 23-0147	EA		16" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	2,588.85 -147.66	63.90
33 14 13 23-0148	EA		16" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	2,670.66 -152.57	63.90
33 14 13 23-0149	EA		16" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	2,753.97 -157.48	64.62
33 14 13 23-0150	EA		16" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	2,837.27 -162.39	65.35
33 14 13 23-0151	EA		16" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	2,943.28 -167.30	77.46
33 14 13 23-0152	EA		16" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	3,032.88 -172.21	81.33
33 14 13 23-0153	EA		18" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	3,199.86 -182.00	83.26
33 14 13 23-0154	EA		18" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	3,283.73 -186.95	83.98
33 14 13 23-0155	EA		18" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	3,367.02 -191.86	84.72
33 14 13 23-0156	EA		18" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	3,457.58 -196.77	89.07
33 14 13 23-0157	EA		18" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	3,554.88 -201.67	96.82
33 14 13 23-0158	EA		18" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	3,643.90 -206.55	100.69
33 14 13 23-0159	EA		18" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	3,757.14 -212.65	106.50
33 14 13 23-0160	EA		20" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	4,058.08 -231.17	102.62
33 14 13 23-0161	EA		20" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	4,199.28 -239.55	103.36
33 14 13 23-0162	EA		20" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	4,254.92 -242.81	104.08
33 14 13 23-0163	EA		20" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	4,317.87 -246.06	108.43
33 14 13 23-0164	EA		20" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	4,387.56 -249.31	116.18
33 14 13 23-0165	EA		20" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	4,483.16 -254.58	120.05
33 14 13 23-0166	EA		20" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	4,582.67 -259.86	125.86
33 14 13 23-0167	EA		20" x 18" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	4,660.64 -263.37	135.54

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

33 14 13 23-0168	EA	24" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,779.78	136.52
		<i>For DR 25, Deduct</i>	-270.41	
33 14 13 23-0169	EA	24" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,839.87	137.24
		<i>For DR 25, Deduct</i>	-273.92	
33 14 13 23-0170	EA	24" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,899.95	137.96
		<i>For DR 25, Deduct</i>	-277.44	
33 14 13 23-0171	EA	24" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,147.03	142.32
		<i>For DR 25, Deduct</i>	-291.74	
33 14 13 23-0172	EA	24" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,400.88	150.06
		<i>For DR 25, Deduct</i>	-306.05	
33 14 13 23-0173	EA	24" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,647.00	153.94
		<i>For DR 25, Deduct</i>	-320.35	
33 14 13 23-0174	EA	24" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,897.01	159.75
		<i>For DR 25, Deduct</i>	-334.65	
33 14 13 23-0175	EA	24" x 18" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,154.75	169.43
		<i>For DR 25, Deduct</i>	-348.95	
33 14 13 23-0176	EA	24" x 20" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,412.48	179.11
		<i>For DR 25, Deduct</i>	-363.26	
<b>33 14 13 23-0177</b>		<b>Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)</b> <small>(33 14 13 23-0075)</small>		
33 14 13 23-0178	EA	4" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	286.92	23.09
		<i>For DR 25, Deduct</i>	-14.44	
33 14 13 23-0179	EA	6" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	513.98	25.98
		<i>For DR 25, Deduct</i>	-27.72	
33 14 13 23-0180	EA	8" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	710.96	28.86
		<i>For DR 25, Deduct</i>	-39.19	
33 14 13 23-0181	EA	10" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,450.70	46.47
		<i>For DR 25, Deduct</i>	-81.47	
33 14 13 23-0182	EA	12" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,720.93	58.09
		<i>For DR 25, Deduct</i>	-96.29	
33 14 13 23-0183	EA	14" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,129.01	77.46
		<i>For DR 25, Deduct</i>	-178.45	
33 14 13 23-0184	EA	16" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,883.17	96.82
		<i>For DR 25, Deduct</i>	-221.38	
33 14 13 23-0185	EA	18" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,951.87	154.90
		<i>For DR 25, Deduct</i>	-278.52	
33 14 13 23-0186	EA	20" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,947.57	193.64
		<i>For DR 25, Deduct</i>	-333.62	
33 14 13 23-0187	EA	24" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	8,388.16	261.41
		<i>For DR 25, Deduct</i>	-471.92	
<b>33 14 13 23-0188</b>		<b>Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)</b> <small>(33 14 13 23-0075)</small>		
33 14 13 23-0189	EA	6" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	498.33	24.53
		<i>For DR 25, Deduct</i>	-26.96	
33 14 13 23-0190	EA	8" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	676.05	25.98
		<i>For DR 25, Deduct</i>	-37.45	
33 14 13 23-0191	EA	8" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	693.40	27.42
		<i>For DR 25, Deduct</i>	-38.31	
33 14 13 23-0192	EA	10" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,040.26	34.85
		<i>For DR 25, Deduct</i>	-58.23	
33 14 13 23-0193	EA	10" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,212.50	36.31
		<i>For DR 25, Deduct</i>	-68.39	
33 14 13 23-0194	EA	10" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,331.73	37.76
		<i>For DR 25, Deduct</i>	-75.37	
33 14 13 23-0195	EA	12" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,368.29	50.34
		<i>For DR 25, Deduct</i>	-76.06	
33 14 13 23-0196	EA	12" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,571.99	51.80
		<i>For DR 25, Deduct</i>	-88.10	
33 14 13 23-0197	EA	12" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,669.12	53.25
		<i>For DR 25, Deduct</i>	-93.76	
33 14 13 23-0198	EA	12" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,707.65	61.97
		<i>For DR 25, Deduct</i>	-95.02	
33 14 13 23-0199	EA	14" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,578.68	58.09
		<i>For DR 25, Deduct</i>	-147.75	
33 14 13 23-0200	EA	14" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,683.59	59.54
		<i>For DR 25, Deduct</i>	-153.87	
33 14 13 23-0201	EA	14" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,789.61	60.99
		<i>For DR 25, Deduct</i>	-160.06	
33 14 13 23-0202	EA	14" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,909.72	69.71
		<i>For DR 25, Deduct</i>	-166.22	
33 14 13 23-0203	EA	14" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,042.62	85.20
		<i>For DR 25, Deduct</i>	-172.33	
33 14 13 23-0204	EA	16" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,215.23	69.71
		<i>For DR 25, Deduct</i>	-184.55	
33 14 13 23-0205	EA	16" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,321.51	71.16
		<i>For DR 25, Deduct</i>	-190.75	
33 14 13 23-0206	EA	16" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,426.66	72.61
		<i>For DR 25, Deduct</i>	-196.89	
33 14 13 23-0207	EA	16" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,546.69	81.33
		<i>For DR 25, Deduct</i>	-203.04	
33 14 13 23-0208	EA	16" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,606.73	96.82
		<i>For DR 25, Deduct</i>	-204.79	
33 14 13 23-0209	EA	16" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,797.21	104.56
		<i>For DR 25, Deduct</i>	-215.29	

	<b>Utilities</b>	<b>33</b>		<b>CS</b>
	<b>Water Utilities</b>	<b>33 10</b>		
<b>Water Utility Transmission and Distribution</b>		<b>33 14</b>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0210	EA		18" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	3,970.33 -227.53	89.07
33 14 13 23-0211	EA		18" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	4,076.34 -233.72	90.52
33 14 13 23-0212	EA		18" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	4,181.66 -239.86	91.98
33 14 13 23-0213	EA		18" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	4,300.15 -245.93	100.69
33 14 13 23-0214	EA		18" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	4,434.26 -252.11	116.18
33 14 13 23-0215	EA		18" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	4,551.68 -258.23	123.92
33 14 13 23-0216	EA		18" x 16" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	4,701.75 -265.84	135.54
33 14 13 23-0217	EA		20" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	5,033.40 -288.99	108.43
33 14 13 23-0218	EA		20" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	5,210.70 -299.46	109.88
33 14 13 23-0219	EA		20" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	5,281.83 -303.55	111.34
33 14 13 23-0220	EA		20" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	5,366.74 -307.60	120.05
33 14 13 23-0221	EA		20" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	5,465.24 -311.65	135.54
33 14 13 23-0222	EA		20" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	5,589.80 -318.19	143.29
33 14 13 23-0223	EA		20" x 16" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	5,724.29 -324.87	154.90
33 14 13 23-0224	EA		20" x 18" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	5,836.07 -329.25	174.27
33 14 13 23-0225	EA		24" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	5,885.56 -336.06	142.32
33 14 13 23-0226	EA		24" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	5,994.65 -342.43	143.77
33 14 13 23-0227	EA		24" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	6,071.12 -346.84	145.23
33 14 13 23-0228	EA		24" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	6,386.17 -364.70	153.94
33 14 13 23-0229	EA		24" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	6,714.89 -382.56	169.43
33 14 13 23-0230	EA		24" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	7,028.05 -400.42	177.17
33 14 13 23-0231	EA		24" x 16" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	7,350.23 -418.36	188.80
33 14 13 23-0232	EA		24" x 18" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	7,686.00 -436.18	208.16
33 14 13 23-0233	EA		24" x 20" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	8,023.04 -454.08	227.52
<b>33 14 13 23-0234</b>			<b>Couplings, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)</b> <small>(33 14 13 23-0075)</small>		
33 14 13 23-0235	EA		4" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	104.27 -4.87	11.54
33 14 13 23-0236	EA		6" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	193.54 -10.05	12.99
33 14 13 23-0237	EA		8" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	232.85 -12.24	14.43
33 14 13 23-0238	EA		10" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	331.81 -17.12	23.23
33 14 13 23-0239	EA		12" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	526.93 -28.13	29.05
33 14 13 23-0240	EA		14" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	912.90 -50.12	38.72
33 14 13 23-0241	EA		16" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	1,081.72 -59.09	48.41
33 14 13 23-0242	EA		18" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	2,585.32 -145.83	77.46
33 14 13 23-0243	EA		20" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	2,899.45 -162.35	96.82
33 14 13 23-0244	EA		24" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	4,081.86 -229.23	130.70
<b>33 14 13 23-0245</b>			<b>Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)</b> <small>(33 14 13 23-0075)</small>		
33 14 13 23-0246	EA		4" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	128.99 -6.35	11.54
33 14 13 23-0247	EA		6" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	174.99 -8.94	12.99
33 14 13 23-0248	EA		8" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	253.97 -13.51	14.43
33 14 13 23-0249	EA		10" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	348.28 -18.11	23.23
33 14 13 23-0250	EA		12" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	558.30 -28.85	38.72
33 14 13 23-0251	EA		14" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	1,475.67 -82.96	46.47

## 33 Utilities

## 33 10 Water Utilities

## 33 14 Water Utility Transmission and Distribution

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0252	EA	16" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,997.00	58.09
		<i>For DR 25, Deduct</i>	-112.85	
33 14 13 23-0253	EA	18" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,461.24	77.46
		<i>For DR 25, Deduct</i>	-138.38	
33 14 13 23-0254	EA	20" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,941.00	96.82
		<i>For DR 25, Deduct</i>	-164.84	
33 14 13 23-0255	EA	24" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,995.16	130.70
		<i>For DR 25, Deduct</i>	-224.03	
<b>33 14 13 23-0256</b>		<b>Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Piping (33 14 13 23)</b>		
<b>33 14 13 23-0257</b>		<b>Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe (33 14 13 23-0256)</b>		
33 14 13 23-0258	LF	3/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	2.18	0.77
		<i>For &gt;1,000, Deduct</i>	-0.11	
		<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.04	
33 14 13 23-0259	LF	1" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	2.40	0.83
		<i>For &gt;1,000, Deduct</i>	-0.12	
		<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.05	
33 14 13 23-0260	LF	1-1/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	2.78	0.90
		<i>For &gt;1,000, Deduct</i>	-0.14	
		<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.08	
33 14 13 23-0261	LF	1-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	3.21	1.00
		<i>For &gt;1,000, Deduct</i>	-0.16	
		<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.11	
33 14 13 23-0262	LF	2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	4.10	1.12
		<i>For &gt;1,000, Deduct</i>	-0.21	
		<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.20	
33 14 13 23-0263	LF	2-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	5.25	1.27
		<i>For &gt;1,000, Deduct</i>	-0.26	
		<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.31	
33 14 13 23-0264	LF	3" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	6.38	1.41
		<i>For &gt;1,000, Deduct</i>	-0.32	
		<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.43	
33 14 13 23-0265	LF	4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	9.00	1.74
		<i>For &gt;1,000, Deduct</i>	-0.45	
		<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.70	
33 14 13 23-0266	LF	6" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	15.66	2.21
		<i>For &gt;1,000, Deduct</i>	-0.78	
		<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	1.52	
33 14 13 23-0267	LF	8" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	24.90	3.10
		<i>For &gt;1,000, Deduct</i>	-1.25	
		<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	2.57	
33 14 13 23-0268	LF	10" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	37.04	4.15
		<i>For &gt;1,000, Deduct</i>	-1.85	
		<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	4.00	
33 14 13 23-0269	LF	12" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	51.54	5.57
		<i>For &gt;1,000, Deduct</i>	-2.58	
		<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	5.64	
<b>33 14 13 23-0270</b>		<b>90 Degree Elbows, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 14 13 23-0256)</b>		
33 14 13 23-0271	EA	3/4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	23.37	9.24
33 14 13 23-0272	EA	1", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	29.53	11.54
33 14 13 23-0273	EA	1-1/4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	37.16	14.43
33 14 13 23-0274	EA	1-1/2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	54.71	15.97
33 14 13 23-0275	EA	2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	59.32	17.90
33 14 13 23-0276	EA	2-1/2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	70.04	20.30
33 14 13 23-0277	EA	3", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	78.26	22.68
33 14 13 23-0278	EA	4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	107.93	27.84
33 14 13 23-0279	EA	6", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	154.51	35.37
33 14 13 23-0280	EA	8", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	248.07	46.44
33 14 13 23-0281	EA	10", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	306.03	62.13
33 14 13 23-0282	EA	12", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	404.83	83.63
<b>33 14 13 23-0283</b>		<b>45 Degree Elbows, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 14 13 23-0256)</b>		
33 14 13 23-0284	EA	3/4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	23.77	9.24
33 14 13 23-0285	EA	1" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	29.81	11.54
33 14 13 23-0286	EA	1-1/4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	37.33	14.43
33 14 13 23-0287	EA	1-1/2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	49.52	15.97
33 14 13 23-0288	EA	2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	59.80	17.90
33 14 13 23-0289	EA	2-1/2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	71.99	20.30
33 14 13 23-0290	EA	3" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	77.44	22.68
33 14 13 23-0291	EA	4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	106.15	27.84
33 14 13 23-0292	EA	6" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	150.91	35.37
33 14 13 23-0293	EA	8" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	241.21	46.44
33 14 13 23-0294	EA	10" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	277.61	62.13
33 14 13 23-0295	EA	12" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	365.51	83.63
<b>33 14 13 23-0296</b>		<b>Tees Or Wyes, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 14 13 23-0256)</b>		
33 14 13 23-0297	EA	3/4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	35.03	13.85
33 14 13 23-0298	EA	1" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	44.20	17.41
33 14 13 23-0299	EA	1-1/4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	55.40	21.74
33 14 13 23-0300	EA	1-1/2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	75.68	24.06
33 14 13 23-0301	EA	2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	86.03	26.74



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0302	EA		2-1/2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	100.00	30.50
33 14 13 23-0303	EA		3" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	119.61	33.92
33 14 13 23-0304	EA		4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	156.62	41.81
33 14 13 23-0305	EA		6" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	256.59	53.15
33 14 13 23-0306	EA		8" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	382.65	69.66
33 14 13 23-0307	EA		10" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	458.92	99.43
33 14 13 23-0308	EA		12" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	576.01	133.80
<b>33 14 13 23-0309</b>			<b>Couplings, Class 200, SDR 21 Polyvinyl Chloride (PVC)</b> (33 14 13 23-0256)		
33 14 13 23-0310	EA		3/4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	15.64	6.16
33 14 13 23-0311	EA		1" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	21.12	8.28
33 14 13 23-0312	EA		1-1/4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	28.15	10.87
33 14 13 23-0313	EA		1-1/2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	38.66	12.03
33 14 13 23-0314	EA		2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	42.67	13.38
33 14 13 23-0315	EA		2-1/2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	48.53	15.20
33 14 13 23-0316	EA		3" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	55.48	16.96
33 14 13 23-0317	EA		4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	75.70	20.86
33 14 13 23-0318	EA		6" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	107.61	26.58
33 14 13 23-0319	EA		8" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	180.99	34.83
33 14 13 23-0320	EA		10" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	218.31	49.76
33 14 13 23-0321	EA		12" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	279.01	66.90
<b>33 14 13 23-0322</b>			<b>Schedule 40 Polyvinyl Chloride (PVC) Pipe And Fittings</b> (33 14 13 23)		
<b>33 14 13 23-0323</b>			<b>Schedule 40 Polyvinyl Chloride (PVC) Pipe</b> (33 14 13 23-0322)		
33 14 13 23-0324	LF		3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe	2.38	0.77
			For >1,000, Deduct	-0.12	
			For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.07	
33 14 13 23-0325	LF		1" Schedule 40 Polyvinyl Chloride (PVC) Pipe	2.78	0.83
			For >1,000, Deduct	-0.14	
			For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.11	
33 14 13 23-0326	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe	3.56	1.00
			For >1,000, Deduct	-0.18	
			For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.16	
33 14 13 23-0327	LF		2" Schedule 40 Polyvinyl Chloride (PVC) Pipe	4.24	1.12
			For >1,000, Deduct	-0.21	
			For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.22	
33 14 13 23-0328	LF		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe	5.46	1.27
			For >1,000, Deduct	-0.27	
			For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.34	
33 14 13 23-0329	LF		3" Schedule 40 Polyvinyl Chloride (PVC) Pipe	6.51	1.41
			For >1,000, Deduct	-0.33	
			For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.45	
33 14 13 23-0330	LF		4" Schedule 40 Polyvinyl Chloride (PVC) Pipe	8.63	1.74
			For >1,000, Deduct	-0.43	
			For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.64	
33 14 13 23-0331	LF		6" Schedule 40 Polyvinyl Chloride (PVC) Pipe	13.02	2.21
			For >1,000, Deduct	-0.65	
			For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	1.12	
<b>33 14 13 23-0332</b>			<b>90 Degree Elbows, Schedule 40 Polyvinyl Chloride (PVC)</b> (33 14 13 23-0322)		
33 14 13 23-0333	EA		3/4" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	23.52	9.24
33 14 13 23-0334	EA		1" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	29.61	11.54
33 14 13 23-0335	EA		1-1/2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	41.16	15.97
33 14 13 23-0336	EA		2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	46.45	17.90
33 14 13 23-0337	EA		2-1/2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	55.59	20.30
33 14 13 23-0338	EA		3" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	62.45	22.68
33 14 13 23-0339	EA		4" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	81.47	27.84
33 14 13 23-0340	EA		6" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	126.18	35.37
<b>33 14 13 23-0341</b>			<b>45 Degree Elbows, Schedule 40 Polyvinyl Chloride (PVC)</b> (33 14 13 23-0322)		
33 14 13 23-0342	EA		3/4" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	23.48	9.24
33 14 13 23-0343	EA		1" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	29.58	11.54
33 14 13 23-0344	EA		1-1/2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	41.18	15.97
33 14 13 23-0345	EA		2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	46.32	17.90
33 14 13 23-0346	EA		2-1/2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	55.22	20.30
33 14 13 23-0347	EA		3" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	62.02	22.68
33 14 13 23-0348	EA		4" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	80.60	27.84
33 14 13 23-0349	EA		6" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	123.39	35.37
<b>33 14 13 23-0350</b>			<b>Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)</b> (33 14 13 23-0322)		
33 14 13 23-0351	EA		3/4" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	35.18	13.85
33 14 13 23-0352	EA		1" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	44.31	17.41
33 14 13 23-0353	EA		1-1/2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	61.57	24.06
33 14 13 23-0354	EA		2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	69.20	26.74
33 14 13 23-0355	EA		2-1/2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	83.59	30.50
33 14 13 23-0356	EA		3" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	95.47	33.92
33 14 13 23-0357	EA		4" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	118.65	41.81
33 14 13 23-0358	EA		6" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	191.93	53.15

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

<b>33 14 13 23-0359</b>	<b>Couplings, Schedule 40 Polyvinyl Chloride (PVC)</b> (33 14 13 23-0322)		
33 14 13 23-0360	EA 3/4" Coupling, Schedule 40 Polyvinyl Chloride (PVC) .....	15.71	6.16
33 14 13 23-0361	EA 1" Coupling, Schedule 40 Polyvinyl Chloride (PVC) .....	21.17	8.28
33 14 13 23-0362	EA 1-1/2" Coupling, Schedule 40 Polyvinyl Chloride (PVC) .....	30.70	12.03
33 14 13 23-0363	EA 2" Coupling, Schedule 40 Polyvinyl Chloride (PVC) .....	34.59	13.38
33 14 13 23-0364	EA 2-1/2" Coupling, Schedule 40 Polyvinyl Chloride (PVC) .....	40.51	15.20
33 14 13 23-0365	EA 3" Coupling, Schedule 40 Polyvinyl Chloride (PVC) .....	46.19	16.96
33 14 13 23-0366	EA 4" Coupling, Schedule 40 Polyvinyl Chloride (PVC) .....	57.20	20.86
33 14 13 23-0367	EA 6" Coupling, Schedule 40 Polyvinyl Chloride (PVC) .....	83.56	26.58
<b>33 14 13 23-0368</b>	<b>Crosses, Schedule 40 Polyvinyl Chloride (PVC)</b> (33 14 13 23-0322)		
33 14 13 23-0369	EA 3/4" Cross, Schedule 40 Polyvinyl Chloride (PVC) .....	47.04	18.48
33 14 13 23-0370	EA 1" Cross, Schedule 40 Polyvinyl Chloride (PVC) .....	59.01	23.18
33 14 13 23-0371	EA 1-1/2" Cross, Schedule 40 Polyvinyl Chloride (PVC) .....	82.08	32.04
33 14 13 23-0372	EA 2" Cross, Schedule 40 Polyvinyl Chloride (PVC) .....	92.26	35.70
33 14 13 23-0373	EA 2-1/2" Cross, Schedule 40 Polyvinyl Chloride (PVC) .....	111.42	40.61
33 14 13 23-0374	EA 3" Cross, Schedule 40 Polyvinyl Chloride (PVC) .....	127.23	45.26
33 14 13 23-0375	EA 4" Cross, Schedule 40 Polyvinyl Chloride (PVC) .....	158.11	55.69
33 14 13 23-0376	EA 6" Cross, Schedule 40 Polyvinyl Chloride (PVC) .....	255.56	70.84
<b>33 14 13 23-0377</b>	<b>Schedule 80 Polyvinyl Chloride (PVC) Pipe And Fittings</b> (33 14 13 23)		
<b>33 14 13 23-0378</b>	<b>Schedule 80 Polyvinyl Chloride (PVC) Pipe</b> (33 14 13 23-0377)		
33 14 13 23-0379	LF 1" Schedule 80 Polyvinyl Chloride (PVC) Pipe .....	3.00	0.83
	For >1,000, Deduct .....	-0.15	
	For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add .....	0.14	
33 14 13 23-0380	LF 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe .....	4.00	1.00
	For >1,000, Deduct .....	-0.20	
	For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add .....	0.23	
33 14 13 23-0381	LF 2" Schedule 80 Polyvinyl Chloride (PVC) Pipe .....	4.97	1.12
	For >1,000, Deduct .....	-0.25	
	For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add .....	0.33	
33 14 13 23-0382	LF 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe .....	6.42	1.27
	For >1,000, Deduct .....	-0.32	
	For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add .....	0.49	
33 14 13 23-0383	LF 3" Schedule 80 Polyvinyl Chloride (PVC) Pipe .....	7.85	1.41
	For >1,000, Deduct .....	-0.39	
	For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add .....	0.65	
33 14 13 23-0384	LF 4" Schedule 80 Polyvinyl Chloride (PVC) Pipe .....	10.68	1.74
	For >1,000, Deduct .....	-0.53	
	For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add .....	0.95	
33 14 13 23-0385	LF 6" Schedule 80 Polyvinyl Chloride (PVC) Pipe .....	17.57	2.21
	For >1,000, Deduct .....	-0.88	
	For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add .....	1.80	
<b>33 14 13 23-0386</b>	<b>90 Degree Elbows, Schedule 80 Polyvinyl Chloride (PVC)</b> (33 14 13 23-0377)		
33 14 13 23-0387	EA 1" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC) .....	30.74	11.54
33 14 13 23-0388	EA 1-1/2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC) .....	41.16	15.97
33 14 13 23-0389	EA 2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC) .....	47.59	17.90
33 14 13 23-0390	EA 2-1/2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC) .....	58.00	20.30
33 14 13 23-0391	EA 3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow .....	64.69	22.68
33 14 13 23-0392	EA 4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow .....	82.01	27.84
33 14 13 23-0393	EA 6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow .....	123.63	35.37
<b>33 14 13 23-0394</b>	<b>45 Degree Elbows, Schedule 80 Polyvinyl Chloride (PVC)</b> (33 14 13 23-0377)		
33 14 13 23-0395	EA 1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow .....	35.39	11.54
33 14 13 23-0396	EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow .....	45.64	15.97
33 14 13 23-0397	EA 2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow .....	51.89	17.90
33 14 13 23-0398	EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow .....	66.07	20.30
33 14 13 23-0399	EA 3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow .....	75.20	22.68
33 14 13 23-0400	EA 4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow .....	103.14	27.84
33 14 13 23-0401	EA 6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow .....	122.21	35.37
<b>33 14 13 23-0402</b>	<b>Tees Or Wyes, Schedule 80 Polyvinyl Chloride (PVC)</b> (33 14 13 23-0377)		
33 14 13 23-0403	EA 1" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes .....	46.69	17.41
33 14 13 23-0404	EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes .....	68.79	24.06
33 14 13 23-0405	EA 2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes .....	77.81	26.74
33 14 13 23-0406	EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes .....	88.15	30.50
33 14 13 23-0407	EA 3" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes .....	99.83	33.92
33 14 13 23-0408	EA 4" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes .....	121.80	41.81
33 14 13 23-0409	EA 6" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes .....	191.81	53.15
<b>33 14 13 23-0410</b>	<b>Couplings, Schedule 80 Polyvinyl Chloride (PVC)</b> (33 14 13 23-0377)		
33 14 13 23-0411	EA 1" Schedule 80 Polyvinyl Chloride (PVC) Coupling .....	22.87	8.28
33 14 13 23-0412	EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling .....	33.62	12.03
33 14 13 23-0413	EA 2" Schedule 80 Polyvinyl Chloride (PVC) Coupling .....	37.34	13.38
33 14 13 23-0414	EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling .....	47.56	15.20
33 14 13 23-0415	EA 3" Schedule 80 Polyvinyl Chloride (PVC) Coupling .....	53.30	16.96
33 14 13 23-0416	EA 4" Schedule 80 Polyvinyl Chloride (PVC) Coupling .....	65.84	20.86

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 14 13 23-0417	EA		6" Schedule 80 Polyvinyl Chloride (PVC) Coupling .....	95.62	26.58
<b>33 14 13 23-0418</b>			<b>Crosses, Schedule 80 Polyvinyl Chloride (PVC)</b> <small>(33 14 13 23-0377)</small>		
33 14 13 23-0419	EA		1" Schedule 80 Polyvinyl Chloride (PVC) Cross .....	62.17	23.18
33 14 13 23-0420	EA		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross .....	91.67	32.04
33 14 13 23-0421	EA		2" Schedule 80 Polyvinyl Chloride (PVC) Cross .....	103.69	35.70
33 14 13 23-0422	EA		2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross .....	117.48	40.61
33 14 13 23-0423	EA		3" Schedule 80 Polyvinyl Chloride (PVC) Cross .....	133.02	45.26
33 14 13 23-0424	EA		4" Schedule 80 Polyvinyl Chloride (PVC) Cross .....	162.29	55.69
33 14 13 23-0425	EA		6" Schedule 80 Polyvinyl Chloride (PVC) Cross .....	255.41	70.84
<b>33 14 13 23-0426</b>			<b>AWWA C906, High Density Polyethylene (HDPE) Pressure Piping</b> <small>(33 14 13 23)</small>		
			Note: ASTM D3350 pipe, ASTM D2657 heat fusion.		
<b>33 14 13 23-0427</b>			<b>High Density Polyethylene (HDPE) Pressure Pipe</b> <small>(33 14 13 23-0426)</small>		
33 14 13 23-0428	LF		3" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe .....	6.95	2.73
			For SDR 19, Add	0.13	
			For SDR 17, Add	0.32	
			For SDR 15.5, Add	0.47	
			For SDR 13.5, Add	0.73	
			For SDR 11, Add	1.18	
33 14 13 23-0429	LF		4" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe .....	9.17	3.46
			For SDR 26, Deduct	-0.41	
			For SDR 19, Add	0.20	
			For SDR 17, Add	0.50	
			For SDR 15.5, Add	0.73	
			For SDR 13.5, Add	1.14	
			For SDR 11, Add	1.83	
33 14 13 23-0430	LF		6" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe .....	13.23	4.20
			For SDR 26, Deduct	-0.89	
			For SDR 19, Add	0.44	
			For SDR 17, Add	1.08	
			For SDR 15.5, Add	1.57	
			For SDR 13.5, Add	2.46	
			For SDR 11, Add	3.96	
33 14 13 23-0431	LF		8" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe .....	17.67	4.72
			For SDR 26, Deduct	-1.51	
			For SDR 19, Add	0.74	
			For SDR 17, Add	1.83	
			For SDR 15.5, Add	2.67	
			For SDR 13.5, Add	4.17	
			For SDR 11, Add	6.72	
33 14 13 23-0432	LF		10" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe .....	23.26	5.25
			For SDR 26, Deduct	-2.34	
			For SDR 19, Add	1.15	
			For SDR 17, Add	2.84	
			For SDR 15.5, Add	4.16	
			For SDR 13.5, Add	6.49	
			For SDR 11, Add	10.44	
33 14 13 23-0433	LF		12" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe .....	30.06	58.75
			For SDR 26, Deduct	-3.38	
			For SDR 19, Add	1.66	
			For SDR 17, Add	4.09	
			For SDR 15.5, Add	5.99	
			For SDR 13.5, Add	9.36	
			For SDR 11, Add	15.06	
33 14 13 23-0434	LF		14" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe .....	34.76	6.61
			For SDR 26, Deduct	-3.97	
			For SDR 19, Add	1.95	
			For SDR 17, Add	4.81	
			For SDR 15.5, Add	7.04	
			For SDR 13.5, Add	11.00	
			For SDR 11, Add	17.70	
33 14 13 23-0435	LF		16" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe .....	42.97	7.35
			For SDR 26, Deduct	-5.18	
			For SDR 19, Add	2.55	
			For SDR 17, Add	6.28	
			For SDR 15.5, Add	9.20	
			For SDR 13.5, Add	14.36	
			For SDR 11, Add	23.12	
33 14 13 23-0436	LF		18" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe .....	53.42	8.81
			For SDR 26, Deduct	-6.55	
			For SDR 19, Add	3.22	
			For SDR 17, Add	7.94	
			For SDR 15.5, Add	11.63	
			For SDR 13.5, Add	18.15	
			For SDR 11, Add	29.22	
33 14 13 23-0437	LF		20" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe .....	67.37	10.49
			For SDR 26, Deduct	-8.50	
			For SDR 19, Add	4.18	
			For SDR 17, Add	10.31	
			For SDR 15.5, Add	15.10	
			For SDR 13.5, Add	23.56	
			For SDR 11, Add	37.92	

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 14 13 23-0438	LF	24" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe .....	88.78	12.59
		<i>For SDR 26, Deduct</i>	-11.66	
		<i>For SDR 19, Add</i>	5.72	
		<i>For SDR 17, Add</i>	14.13	
		<i>For SDR 15.5, Add</i>	20.70	
		<i>For SDR 13.5, Add</i>	32.30	
		<i>For SDR 11, Add</i>	51.99	

**33 14 13 23-0439 90 Degree Elbows, High Density Polyethylene (HDPE) Pressure Piping** (33 14 13 23-0426)

33 14 13 23-0440	EA	3" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	55.98	14.43
		<i>For SDR 26, Deduct</i>	-2.33	
		<i>For SDR 19, Add</i>	1.14	
		<i>For SDR 17, Add</i>	2.82	
		<i>For SDR 15.5, Add</i>	4.13	
		<i>For SDR 13.5, Add</i>	6.45	
		<i>For SDR 11, Add</i>	10.37	
33 14 13 23-0441	EA	4" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	63.23	16.04
		<i>For SDR 26, Deduct</i>	-2.77	
		<i>For SDR 19, Add</i>	1.36	
		<i>For SDR 17, Add</i>	3.36	
		<i>For SDR 15.5, Add</i>	4.92	
		<i>For SDR 13.5, Add</i>	7.68	
		<i>For SDR 11, Add</i>	12.36	
33 14 13 23-0442	EA	6" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	95.16	18.33
		<i>For SDR 26, Deduct</i>	-7.37	
		<i>For SDR 19, Add</i>	3.62	
		<i>For SDR 17, Add</i>	8.93	
		<i>For SDR 15.5, Add</i>	13.08	
		<i>For SDR 13.5, Add</i>	20.42	
		<i>For SDR 11, Add</i>	32.87	
33 14 13 23-0443	EA	8" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	148.22	21.40
		<i>For SDR 26, Deduct</i>	-15.41	
		<i>For SDR 19, Add</i>	7.56	
		<i>For SDR 17, Add</i>	18.68	
		<i>For SDR 15.5, Add</i>	27.35	
		<i>For SDR 13.5, Add</i>	42.69	
		<i>For SDR 11, Add</i>	68.71	
33 14 13 23-0444	EA	10" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	225.81	28.58
		<i>For SDR 26, Deduct</i>	-25.71	
		<i>For SDR 19, Add</i>	12.63	
		<i>For SDR 17, Add</i>	31.17	
		<i>For SDR 15.5, Add</i>	45.65	
		<i>For SDR 13.5, Add</i>	71.25	
		<i>For SDR 11, Add</i>	114.68	
33 14 13 23-0445	EA	12" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	333.67	42.77
		<i>For SDR 26, Deduct</i>	-37.65	
		<i>For SDR 19, Add</i>	18.49	
		<i>For SDR 17, Add</i>	45.64	
		<i>For SDR 15.5, Add</i>	66.84	
		<i>For SDR 13.5, Add</i>	104.33	
		<i>For SDR 11, Add</i>	167.93	
33 14 13 23-0446	EA	14" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	416.02	57.08
		<i>For SDR 26, Deduct</i>	-44.89	
		<i>For SDR 19, Add</i>	22.04	
		<i>For SDR 17, Add</i>	54.41	
		<i>For SDR 15.5, Add</i>	79.68	
		<i>For SDR 13.5, Add</i>	124.37	
		<i>For SDR 11, Add</i>	200.19	
33 14 13 23-0447	EA	16" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	549.75	85.53
		<i>For SDR 26, Deduct</i>	-53.75	
		<i>For SDR 19, Add</i>	26.39	
		<i>For SDR 17, Add</i>	65.16	
		<i>For SDR 15.5, Add</i>	95.42	
		<i>For SDR 13.5, Add</i>	148.94	
		<i>For SDR 11, Add</i>	239.73	
33 14 13 23-0448	EA	18" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	687.72	96.21
		<i>For SDR 26, Deduct</i>	-73.15	
		<i>For SDR 19, Add</i>	35.92	
		<i>For SDR 17, Add</i>	88.67	
		<i>For SDR 15.5, Add</i>	129.85	
		<i>For SDR 13.5, Add</i>	202.68	
		<i>For SDR 11, Add</i>	326.23	
33 14 13 23-0449	EA	20" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	931.08	109.20
		<i>For SDR 26, Deduct</i>	-110.00	
		<i>For SDR 19, Add</i>	54.01	
		<i>For SDR 17, Add</i>	133.34	
		<i>For SDR 15.5, Add</i>	195.28	
		<i>For SDR 13.5, Add</i>	304.80	
		<i>For SDR 11, Add</i>	490.59	
33 14 13 23-0450	EA	24" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	1,186.01	128.35
		<i>For SDR 26, Deduct</i>	-146.85	
		<i>For SDR 19, Add</i>	72.10	
		<i>For SDR 17, Add</i>	178.02	
		<i>For SDR 15.5, Add</i>	260.69	
		<i>For SDR 13.5, Add</i>	406.90	
		<i>For SDR 11, Add</i>	654.94	

**33 14 13 23-0451 Tees, High Density Polyethylene (HDPE) Pressure Piping** (33 14 13 23-0426)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0452	EA		3" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	61.81	15.11
			<i>For SDR 26, Deduct</i>	-3.04	
			<i>For SDR 19, Add</i>	1.49	
			<i>For SDR 17, Add</i>	3.69	
			<i>For SDR 15.5, Add</i>	5.40	
			<i>For SDR 13.5, Add</i>	8.43	
			<i>For SDR 11, Add</i>	13.56	
33 14 13 23-0453	EA		4" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	70.82	17.11
			<i>For SDR 26, Deduct</i>	-3.58	
			<i>For SDR 19, Add</i>	1.76	
			<i>For SDR 17, Add</i>	4.34	
			<i>For SDR 15.5, Add</i>	6.36	
			<i>For SDR 13.5, Add</i>	9.92	
			<i>For SDR 11, Add</i>	15.97	
33 14 13 23-0454	EA		6" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	110.23	19.75
			<i>For SDR 26, Deduct</i>	-9.36	
			<i>For SDR 19, Add</i>	4.59	
			<i>For SDR 17, Add</i>	11.34	
			<i>For SDR 15.5, Add</i>	16.61	
			<i>For SDR 13.5, Add</i>	25.93	
			<i>For SDR 11, Add</i>	41.73	
33 14 13 23-0455	EA		8" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	199.46	23.34
			<i>For SDR 26, Deduct</i>	-23.74	
			<i>For SDR 19, Add</i>	11.66	
			<i>For SDR 17, Add</i>	28.78	
			<i>For SDR 15.5, Add</i>	42.14	
			<i>For SDR 13.5, Add</i>	65.78	
			<i>For SDR 11, Add</i>	105.87	
33 14 13 23-0456	EA		10" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	273.28	34.25
			<i>For SDR 26, Deduct</i>	-31.28	
			<i>For SDR 19, Add</i>	15.36	
			<i>For SDR 17, Add</i>	37.91	
			<i>For SDR 15.5, Add</i>	55.52	
			<i>For SDR 13.5, Add</i>	86.66	
			<i>For SDR 11, Add</i>	139.49	
33 14 13 23-0457	EA		12" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	386.97	51.38
			<i>For SDR 26, Deduct</i>	-42.71	
			<i>For SDR 19, Add</i>	20.97	
			<i>For SDR 17, Add</i>	51.77	
			<i>For SDR 15.5, Add</i>	75.81	
			<i>For SDR 13.5, Add</i>	118.34	
			<i>For SDR 11, Add</i>	190.47	
33 14 13 23-0458	EA		14" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	466.53	64.18
			<i>For SDR 26, Deduct</i>	-50.24	
			<i>For SDR 19, Add</i>	24.67	
			<i>For SDR 17, Add</i>	60.91	
			<i>For SDR 15.5, Add</i>	89.19	
			<i>For SDR 13.5, Add</i>	139.22	
			<i>For SDR 11, Add</i>	224.08	
33 14 13 23-0459	EA		16" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	614.28	96.21
			<i>For SDR 26, Deduct</i>	-59.66	
			<i>For SDR 19, Add</i>	29.30	
			<i>For SDR 17, Add</i>	72.33	
			<i>For SDR 15.5, Add</i>	105.92	
			<i>For SDR 13.5, Add</i>	165.32	
			<i>For SDR 11, Add</i>	266.10	
33 14 13 23-0460	EA		18" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	788.48	112.09
			<i>For SDR 26, Deduct</i>	-82.90	
			<i>For SDR 19, Add</i>	40.70	
			<i>For SDR 17, Add</i>	100.49	
			<i>For SDR 15.5, Add</i>	147.17	
			<i>For SDR 13.5, Add</i>	229.71	
			<i>For SDR 11, Add</i>	369.73	
33 14 13 23-0461	EA		20" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	1,098.88	132.40
			<i>For SDR 26, Deduct</i>	-127.81	
			<i>For SDR 19, Add</i>	62.75	
			<i>For SDR 17, Add</i>	154.93	
			<i>For SDR 15.5, Add</i>	226.89	
			<i>For SDR 13.5, Add</i>	354.13	
			<i>For SDR 11, Add</i>	570.00	
33 14 13 23-0462	EA		24" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	1,423.31	160.49
			<i>For SDR 26, Deduct</i>	-172.71	
			<i>For SDR 19, Add</i>	84.80	
			<i>For SDR 17, Add</i>	209.36	
			<i>For SDR 15.5, Add</i>	306.60	
			<i>For SDR 13.5, Add</i>	478.56	
			<i>For SDR 11, Add</i>	770.27	

**33 14 13 26 Galvanized Steel Public Water Utility Distribution Piping (33 14 13)**

See CSI section 22 11 16 00-0013 for galvanized steel pipe.

**33 14 13 36 Steel Public Water Utility Distribution Piping (33 14 13)**

33 14 13 36-0001 Steel Piping (33 14 13 36)

33 14 13 36-0002 Welded, Plain End, Uncoated Steel Piping (33 14 13 36-0001)

Note: ASTM A252 steel pipe.

33 14 13 36-0003 Up To 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Piping (33 14 13 36-0002)

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 14 13 36-0004	LF	8" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	116.38	25.93
		<i>For &lt;100, Add</i>	11.71	
		<i>For &gt;1,000, Deduct</i>	-5.82	
33 14 13 36-0005	LF	8" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	140.92	25.93
		<i>For &lt;100, Add</i>	12.94	
		<i>For &gt;1,000, Deduct</i>	-7.05	
33 14 13 36-0006	LF	10" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	139.39	28.29
		<i>For &lt;100, Add</i>	13.40	
		<i>For &gt;1,000, Deduct</i>	-6.97	
33 14 13 36-0007	LF	10" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	170.42	28.29
		<i>For &lt;100, Add</i>	14.95	
		<i>For &gt;1,000, Deduct</i>	-8.52	
33 14 13 36-0008	LF	12" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	170.38	29.64
		<i>For &lt;100, Add</i>	15.25	
		<i>For &gt;1,000, Deduct</i>	-8.52	
33 14 13 36-0009	LF	12" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	194.51	29.64
		<i>For &lt;100, Add</i>	16.46	
		<i>For &gt;1,000, Deduct</i>	-9.73	
33 14 13 36-0010	LF	14" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	207.56	32.77
		<i>For &lt;100, Add</i>	17.83	
		<i>For &gt;1,000, Deduct</i>	-10.38	
33 14 13 36-0011	LF	14" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	226.84	32.77
		<i>For &lt;100, Add</i>	18.79	
		<i>For &gt;1,000, Deduct</i>	-11.34	
33 14 13 36-0012	LF	16" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	220.35	34.58
		<i>For &lt;100, Add</i>	18.88	
		<i>For &gt;1,000, Deduct</i>	-11.02	
33 14 13 36-0013	LF	16" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	235.24	34.58
		<i>For &lt;100, Add</i>	19.62	
		<i>For &gt;1,000, Deduct</i>	-11.76	
33 14 13 36-0014	LF	18" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	274.46	38.91
		<i>For &lt;100, Add</i>	22.56	
		<i>For &gt;1,000, Deduct</i>	-13.72	
33 14 13 36-0015	LF	20" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	298.87	38.91
		<i>For &lt;100, Add</i>	23.78	
		<i>For &gt;1,000, Deduct</i>	-14.94	
<b>33 14 13 36-0016</b>		<b>5/16" To 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Piping</b> <small>(33 14 13 36-0002)</small>		
33 14 13 36-0017	LF	12" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	237.57	51.45
		<i>For &lt;100, Add</i>	19.96	
		<i>For &gt;1,000, Deduct</i>	-11.88	
33 14 13 36-0018	LF	14" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	282.95	56.59
		<i>For &lt;100, Add</i>	23.08	
		<i>For &gt;1,000, Deduct</i>	-14.15	
33 14 13 36-0019	LF	16" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	315.08	59.16
		<i>For &lt;100, Add</i>	25.19	
		<i>For &gt;1,000, Deduct</i>	-15.75	
33 14 13 36-0020	LF	18" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	355.48	66.88
		<i>For &lt;100, Add</i>	28.39	
		<i>For &gt;1,000, Deduct</i>	-17.77	
33 14 13 36-0021	LF	18" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	372.03	66.88
		<i>For &lt;100, Add</i>	29.21	
		<i>For &gt;1,000, Deduct</i>	-18.60	
33 14 13 36-0022	LF	20" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	387.33	66.88
		<i>For &lt;100, Add</i>	29.98	
		<i>For &gt;1,000, Deduct</i>	-19.37	
33 14 13 36-0023	LF	20" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	404.98	66.88
		<i>For &lt;100, Add</i>	30.86	
		<i>For &gt;1,000, Deduct</i>	-20.25	
33 14 13 36-0024	LF	24" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	469.69	77.17
		<i>For &lt;100, Add</i>	35.61	
		<i>For &gt;1,000, Deduct</i>	-23.48	
33 14 13 36-0025	LF	24" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	524.29	77.17
		<i>For &lt;100, Add</i>	38.34	
		<i>For &gt;1,000, Deduct</i>	-26.21	
33 14 13 36-0026	LF	24" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	658.32	77.17
		<i>For &lt;100, Add</i>	45.04	
		<i>For &gt;1,000, Deduct</i>	-32.92	
33 14 13 36-0027	LF	30" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	585.21	90.04
		<i>For &lt;100, Add</i>	43.41	
		<i>For &gt;1,000, Deduct</i>	-29.26	
33 14 13 36-0028	LF	30" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	607.54	90.04
		<i>For &lt;100, Add</i>	44.53	
		<i>For &gt;1,000, Deduct</i>	-30.38	
33 14 13 36-0029	LF	30" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	818.24	90.04
		<i>For &lt;100, Add</i>	55.06	
		<i>For &gt;1,000, Deduct</i>	-40.91	
33 14 13 36-0030	LF	36" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	701.03	90.04
		<i>For &lt;100, Add</i>	49.20	
		<i>For &gt;1,000, Deduct</i>	-35.05	
33 14 13 36-0031	LF	36" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	821.38	108.04
		<i>For &lt;100, Add</i>	58.05	
		<i>For &gt;1,000, Deduct</i>	-41.07	
33 14 13 36-0032	LF	36" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	984.78	108.04
		<i>For &lt;100, Add</i>	66.22	
		<i>For &gt;1,000, Deduct</i>	-49.24	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 14 13 36-0033	LF		36" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	943.96	108.04
			For <100, Add	64.18	
			For >1,000, Deduct	-47.20	

**33 14 13 36-0034 Flexible Couplings (Dresser Style 38) (33 14 13 36-0001)**

33 14 13 36-0035	EA		2" Dresser Coupling For Plain End Welded Steel Pipe.....	111.64	26.25
33 14 13 36-0036	EA		3" Dresser Coupling For Plain End Welded Steel Pipe.....	164.81	50.48
33 14 13 36-0037	EA		4" Dresser Coupling For Plain End Welded Steel Pipe.....	219.34	66.63
33 14 13 36-0038	EA		6" Dresser Coupling For Plain End Welded Steel Pipe.....	349.60	100.95
33 14 13 36-0039	EA		8" Dresser Coupling For Plain End Welded Steel Pipe.....	457.46	127.20
33 14 13 36-0040	EA		10" Dresser Coupling For Plain End Welded Steel Pipe.....	619.35	149.93
33 14 13 36-0041	EA		12" Dresser Coupling For Plain End Welded Steel Pipe.....	735.51	187.92
33 14 13 36-0042	EA		14" Dresser Coupling For Plain End Welded Steel Pipe.....	791.79	187.92
33 14 13 36-0043	EA		16" Dresser Coupling For Plain End Welded Steel Pipe.....	836.73	214.90
33 14 13 36-0044	EA		18" Dresser Coupling For Plain End Welded Steel Pipe.....	916.71	229.90
33 14 13 36-0045	EA		20" Dresser Coupling For Plain End Welded Steel Pipe.....	999.87	259.88
33 14 13 36-0046	EA		24" Dresser Coupling For Plain End Welded Steel Pipe.....	1,260.31	274.88
33 14 13 36-0047	EA		30" Dresser Coupling For Plain End Welded Steel Pipe.....	1,509.97	299.87
33 14 13 36-0048	EA		36" Dresser Coupling For Plain End Welded Steel Pipe.....	1,770.22	337.35

**33 14 13 39 Copper Public Water Utility Distribution Piping (33 14 13)**

**33 14 13 39-0001 Type L Copper Water Distribution Piping (33 14 13 39)**

33 14 13 39-0002	LF		1/2" Type L Copper Water Distribution Pipe.....	6.80	1.86
33 14 13 39-0003	LF		3/4" Type L Copper Water Distribution Pipe.....	8.53	2.10
33 14 13 39-0004	LF		1" Type L Copper Water Distribution Pipe.....	11.28	2.33
33 14 13 39-0005	LF		1-1/4" Type L Copper Water Distribution Pipe.....	14.09	2.79
33 14 13 39-0006	LF		1-1/2" Type L Copper Water Distribution Pipe.....	17.36	3.73
33 14 13 39-0007	LF		2" Type L Copper Water Distribution Pipe.....	25.22	4.66
33 14 13 39-0008	LF		2-1/2" Type L Copper Water Distribution Pipe.....	31.93	5.59
33 14 13 39-0009	LF		3" Type L Copper Water Distribution Pipe.....	40.01	6.15
33 14 13 39-0010	LF		3-1/2" Type L Copper Water Distribution Pipe.....	53.78	7.74
33 14 13 39-0011	LF		4" Type L Copper Water Distribution Pipe.....	71.00	9.78
33 14 13 39-0012	LF		5" Type L Copper Water Distribution Pipe.....	114.19	12.21
33 14 13 39-0013	LF		6" Type L Copper Water Distribution Pipe.....	147.45	14.72
33 14 13 39-0014	LF		8" Type L Copper Water Distribution Pipe.....	253.60	16.48

**33 14 13 39-0015 Type K Copper Water Distribution Piping (33 14 13 39)**

33 14 13 39-0016	LF		1/2" Type K Copper Water Distribution Pipe.....	7.23	1.86
33 14 13 39-0017	LF		3/4" Type K Copper Water Distribution Pipe.....	10.07	2.10
33 14 13 39-0018	LF		1" Type K Copper Water Distribution Pipe.....	12.81	2.33
33 14 13 39-0019	LF		1-1/4" Type K Copper Water Distribution Pipe.....	15.03	2.79
33 14 13 39-0020	LF		1-1/2" Type K Copper Water Distribution Pipe.....	18.75	3.73
33 14 13 39-0021	LF		2" Type K Copper Water Distribution Pipe.....	27.10	4.66
33 14 13 39-0022	LF		2-1/2" Type K Copper Water Distribution Pipe.....	37.14	5.59
33 14 13 39-0023	LF		3" Type K Copper Water Distribution Pipe.....	47.81	6.15
33 14 13 39-0024	LF		3-1/2" Type K Copper Water Distribution Pipe.....	62.95	7.74
33 14 13 39-0025	LF		4" Type K Copper Water Distribution Pipe.....	84.92	9.78
33 14 13 39-0026	LF		5" Type K Copper Water Distribution Pipe.....	143.00	12.21
33 14 13 39-0027	LF		6" Type K Copper Water Distribution Pipe.....	199.26	14.72
33 14 13 39-0028	LF		8" Type K Copper Water Distribution Pipe.....	349.20	16.48

**33 14 13 39-0029 Copper Flare x Female Copper Flare Service Fitting Coupling (33 14 13 39)**

Note: Mueller H-15405

33 14 13 39-0030	EA		3/4" Copper Flare x Female Copper Flare Service Fitting Coupling.....	37.32	
33 14 13 39-0031	EA		1" Copper Flare x Female Copper Flare Service Fitting Coupling.....	53.12	
33 14 13 39-0032	EA		1-1/2" Copper Flare x Female Copper Flare Service Fitting Coupling.....	128.92	
33 14 13 39-0033	EA		2" Copper Flare x Female Copper Flare Service Fitting Coupling.....	164.19	

**33 14 13 39-0034 Copper Flare x Female Iron Pipe Service Fitting Coupling (33 14 13 39)**

Note: Mueller H-15450

33 14 13 39-0035	EA		1/2" Copper Flare x Female Iron Pipe Service Fitting Coupling.....	43.62	
33 14 13 39-0036	EA		3/4" Copper Flare x Female Iron Pipe Service Fitting Coupling.....	37.49	
33 14 13 39-0037	EA		1" Copper Flare x Female Iron Pipe Service Fitting Coupling.....	51.64	
33 14 13 39-0038	EA		1-1/4" Copper Flare x Female Iron Pipe Service Fitting Coupling.....	76.34	
33 14 13 39-0039	EA		1-1/2" Copper Flare x Female Iron Pipe Service Fitting Coupling.....	98.98	
33 14 13 39-0040	EA		2" Copper Flare x Female Iron Pipe Service Fitting Coupling.....	158.95	

**33 14 13 39-0041 Copper Flare x Male Iron Pipe Service Fitting Coupling (33 14 13 39)**

Note: Mueller H-15425

33 14 13 39-0042	EA		1/2" Copper Flare x Male Iron Pipe Service Fitting Coupling.....	37.53	
33 14 13 39-0043	EA		3/4" Copper Flare x Male Iron Pipe Service Fitting Coupling.....	37.60	
33 14 13 39-0044	EA		1" Copper Flare x Male Iron Pipe Service Fitting Coupling.....	50.33	
33 14 13 39-0045	EA		1-1/4" Copper Flare x Male Iron Pipe Service Fitting Coupling.....	76.34	
33 14 13 39-0046	EA		1-1/2" Copper Flare x Male Iron Pipe Service Fitting Coupling.....	103.72	
33 14 13 39-0047	EA		2" Copper Flare x Male Iron Pipe Service Fitting Coupling.....	164.83	

**33 14 13 39-0048 Brass Fittings (33 14 13 39)**

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 39-0049			<b>Brass Compression Reducer Coupling</b> (33 14 13 39-0048)		
33 14 13 39-0050	EA		3/4" x 1" Brass Compression Reducer Coupling.....	44.31	14.80
33 14 13 39-0051	EA		1" x 3/4" Brass Compression Reducer Coupling.....	35.66	14.80
33 14 13 39-0052	EA		1-1/2" x 1" Brass Compression Reducer Coupling.....	73.29	22.47
33 14 13 39-0053	EA		2" x 1-1/2" Brass Compression Reducer Coupling.....	90.91	28.51
33 14 13 39-0054			<b>Copper Compression x Male NPT Brass Coupling</b> (33 14 13 39-0048)		
			Note: A. Y. McDonald 74753Q		
33 14 13 39-0055	EA		3/4" Copper Compression x Male NPT Brass Coupling.....	46.33	16.44
33 14 13 39-0056	EA		3/4" x 1" Copper Compression x Male NPT Brass Coupling.....	53.06	19.19
33 14 13 39-0057	EA		1" Copper Compression x Male NPT Brass Coupling.....	54.31	19.19
33 14 13 39-0058	EA		1" x 3/4" Copper Compression x Male NPT Brass Coupling.....	53.27	19.19
33 14 13 39-0059	EA		1-1/4" Copper Compression x Male NPT Brass Coupling.....	71.72	21.93
33 14 13 39-0060	EA		1-1/4" x 1" Copper Compression x Male NPT Brass Coupling.....	69.83	21.93
33 14 13 39-0061	EA		1-1/2" Copper Compression x Male NPT Brass Coupling.....	94.73	27.41
33 14 13 39-0062	EA		2" Copper Compression x Male NPT Brass Coupling.....	123.95	32.89
33 14 13 39-0063			<b>Brass Nipples</b> (33 14 13 39-0048)		
33 14 13 39-0064	EA		3/4" x 6" Long Brass Nipple.....	33.51	6.85
33 14 13 39-0065	EA		1" x 6" Long Brass Nipple.....	43.67	7.40
33 14 13 39-0066	EA		1-1/2" x 6" Long Brass Nipple.....	66.64	7.95
33 14 13 39-0067			<b>Brass "H" Style Meter Insetters</b> (33 14 13 39-0048)		
33 14 13 39-0068	EA		5/8" x 3/4" Compression End, Brass "H" Style Meter Insetters.....	261.03	30.28
33 14 13 39-0069	EA		5/8" x 3/4" Threaded End, Brass "H" Style Meter Insetters.....	165.60	30.28
33 14 13 39-0070			<b>Meter Setters - Resetter, Brass</b> (33 14 13 39-0048)		
33 14 13 39-0071	EA		1" Meter, 10" High Brass Meter Setter - Resetter.....	699.71	30.28
			Note: Male meter thread, bottom inlet/outlet, angle ball valve, top inlet/outlet with meter nuts.		
<b>33 14 13 43</b>			<b>Public Water Utility Distribution Piping Coatings and Wraps</b> (33 14 13)		
33 14 13 43-0001			<b>Pipe Coatings</b> (33 14 13 43)		
33 14 13 43-0002			<b>Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating</b> (33 14 13 43-0001)		
			Note: Applied at fabrication shop.		
33 14 13 43-0003	LF		12" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	4.61	
33 14 13 43-0004	LF		14" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	6.12	
33 14 13 43-0005	LF		16" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	6.99	
33 14 13 43-0006	LF		18" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	7.34	
33 14 13 43-0007	LF		20" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	7.91	
33 14 13 43-0008	LF		24" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	9.21	
33 14 13 43-0009	LF		30" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	12.10	
33 14 13 43-0010	LF		36" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	19.11	
33 14 13 43-0011			<b>Cement Coating With Fiberglass Or Wire Mesh Reinforcing</b> (33 14 13 43-0001)		
			Note: Applied at fabrication shop. Thickness ranging between 1" and 2".		
33 14 13 43-0012	LF		4" Diameter Cement Coated Pipe 1" To 2" Mesh.....	8.73	
			Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0013	LF		6" Diameter Cement Coated Pipe 1" To 2" Mesh.....	10.75	
			Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0014	LF		8" Diameter Cement Coated Pipe 1" To 2" Mesh.....	13.44	
			Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0015	LF		10" Diameter Cement Coated Pipe 1" To 2" Mesh.....	14.97	
			Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0016	LF		12" Diameter Cement Coated Pipe 1" To 2" Mesh.....	16.91	
			Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0017	LF		14" Diameter Cement Coated Pipe 1" To 2" Mesh.....	19.79	
			Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0018	LF		16" Diameter Cement Coated Pipe 1" To 2" Mesh.....	22.48	
			Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0019	LF		18" Diameter Cement Coated Pipe 1" To 2" Mesh.....	25.36	
			Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0020	LF		20" Diameter Cement Coated Pipe 1" To 2" Mesh.....	28.19	
			Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0021	LF		24" Diameter Cement Coated Pipe 1" To 2" Mesh.....	33.81	
			Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0022	LF		30" Diameter Cement Coated Pipe 1" To 2" Mesh.....	42.26	
			Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0023	LF		36" Diameter Cement Coated Pipe 1" To 2" Mesh.....	50.72	
			Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0024	LF		42" Diameter Cement Coated Pipe 1" To 2" Mesh.....	25.10	
			Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0025	LF		48" Diameter Cement Coated Pipe 1" To 2" Mesh.....	28.68	
			Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0026	LF		54" Diameter Cement Coated Pipe 1" To 2" Mesh.....	32.27	
			Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0027	LF		60" Diameter Cement Coated Pipe 1" To 2" Mesh.....	35.85	
			Note: Reinforcing applied at fabrication shop.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 14 13 43-0028	LF	66"	Diameter Cement Coated Pipe 1" To 2" Mesh .....39.44 Note: Reinforcing applied at fabrication shop.	39.44	
33 14 13 43-0029	LF	72"	Diameter Cement Coated Pipe 1" To 2" Mesh .....43.02 Note: Reinforcing applied at fabrication shop.	43.02	
33 14 13 43-0030	LF	78"	Diameter Cement Coated Pipe 1" To 2" Mesh .....46.61 Note: Reinforcing applied at fabrication shop.	46.61	

**33 14 13 43-0031 Pipe Lining** (33 14 13 43)
**33 14 13 43-0032 Cement Pipe Lining** (33 14 13 43-0031)

Note: Shop applied.

33 14 13 43-0033	LF	4"	Outside Diameter, 1/4" Thick Cement Pipe Lining.....12.89 <i>For 1/2" Thick, Add</i> 1.16	12.89	
33 14 13 43-0034	LF	6"	Outside Diameter, 1/4" Thick Cement Pipe Lining.....16.01 <i>For 1/2" Thick, Add</i> 1.43	16.01	
33 14 13 43-0035	LF	8"	Outside Diameter, 1/4" Thick Cement Pipe Lining.....19.57 <i>For 1/2" Thick, Add</i> 1.79	19.57	
33 14 13 43-0036	LF	10"	Outside Diameter, 1/4" Thick Cement Pipe Lining.....25.35 <i>For 1/2" Thick, Add</i> 2.24	25.35	
33 14 13 43-0037	LF	12"	Outside Diameter, 1/4" Thick Cement Pipe Lining.....31.16 <i>For 1/2" Thick, Add</i> 2.69	31.16	
33 14 13 43-0038	LF	14"	Outside Diameter, 1/4" Thick Cement Pipe Lining.....39.63 <i>For 1/2" Thick, Add</i> 3.15	39.63	
33 14 13 43-0039	LF	16"	Outside Diameter, 1/4" Thick Cement Pipe Lining.....51.06 <i>For 1/2" Thick, Add</i> 3.58	51.06	
33 14 13 43-0040	LF	18"	Outside Diameter, 5/16" Thick Cement Pipe Lining.....60.87 <i>For 1/2" Thick, Add</i> 3.43	60.87	
33 14 13 43-0041	LF	20"	Outside Diameter, 5/16" Thick Cement Pipe Lining.....73.30 <i>For 1/2" Thick, Add</i> 3.82	73.30	
33 14 13 43-0042	LF	24"	Outside Diameter, 5/16" Thick Cement Pipe Lining.....88.84 <i>For 1/2" Thick, Add</i> 4.58	88.84	
33 14 13 43-0043	LF	30"	Outside Diameter, 5/16" Thick Cement Pipe Lining.....107.05 <i>For 1/2" Thick, Add</i> 5.72	107.05	
33 14 13 43-0044	LF	36"	Outside Diameter, 5/16" Thick Cement Pipe Lining.....128.83 <i>For 1/2" Thick, Add</i> 6.87	128.83	
33 14 13 43-0045	LF	42"	Outside Diameter, 3/8" Thick Cement Pipe Lining.....150.33 <i>For 1/2" Thick, Add</i> 5.89	150.33	
33 14 13 43-0046	LF	48"	Outside Diameter, 3/8" Thick Cement Pipe Lining.....171.74 <i>For 1/2" Thick, Add</i> 6.74	171.74	
33 14 13 43-0047	LF	54"	Outside Diameter, 3/8" Thick Cement Pipe Lining.....193.24 <i>For 1/2" Thick, Add</i> 7.58	193.24	
33 14 13 43-0048	LF	60"	Outside Diameter, 3/8" Thick Cement Pipe Lining.....214.75 <i>For 1/2" Thick, Add</i> 8.42	214.75	
33 14 13 43-0049	LF	66"	Outside Diameter, 7/16" Thick Cement Pipe Lining.....236.15 <i>For 1/2" Thick, Add</i> 4.94	236.15	
33 14 13 43-0050	LF	72"	Outside Diameter, 7/16" Thick Cement Pipe Lining.....257.66 <i>For 1/2" Thick, Add</i> 5.39	257.66	
33 14 13 43-0051	LF	78"	Outside Diameter, 7/16" Thick Cement Pipe Lining.....279.15 <i>For 1/2" Thick, Add</i> 5.84	279.15	

**33 14 13 43-0052 Cement Fitting Lining** (33 14 13 43-0031)

Note: Shop applied.

33 14 13 43-0053	EA	4"	Outside Diameter, 1/4" Thick Cement Fitting Lining .....12.89 <i>For 1/2" Thick, Add</i> 1.16	12.89	
33 14 13 43-0054	EA	6"	Outside Diameter, 1/4" Thick Cement Fitting Lining .....16.01 <i>For 1/2" Thick, Add</i> 1.43	16.01	
33 14 13 43-0055	EA	8"	Outside Diameter, 1/4" Thick Cement Fitting Lining .....24.91 <i>For 1/2" Thick, Add</i> 2.33	24.91	
33 14 13 43-0056	EA	10"	Outside Diameter, 1/4" Thick Cement Fitting Lining .....40.91 <i>For 1/2" Thick, Add</i> 3.58	40.91	
33 14 13 43-0057	EA	12"	Outside Diameter, 1/4" Thick Cement Fitting Lining .....62.31 <i>For 1/2" Thick, Add</i> 5.39	62.31	
33 14 13 43-0058	EA	14"	Outside Diameter, 1/4" Thick Cement Fitting Lining .....91.97 <i>For 1/2" Thick, Add</i> 7.25	91.97	
33 14 13 43-0059	EA	16"	Outside Diameter, 1/4" Thick Cement Fitting Lining .....134.98 <i>For 1/2" Thick, Add</i> 9.31	134.98	
33 14 13 43-0060	EA	18"	Outside Diameter, 5/16" Thick Cement Fittings Lining .....182.63 <i>For 1/2" Thick, Add</i> 10.30	182.63	
33 14 13 43-0061	EA	20"	Outside Diameter, 5/16" Thick Cement Fitting Lining .....244.19 <i>For 1/2" Thick, Add</i> 12.71	244.19	
33 14 13 43-0062	EA	24"	Outside Diameter, 5/16" Thick Cement Fitting Lining .....355.33 <i>For 1/2" Thick, Add</i> 18.32	355.33	

**33 14 13 43-0063 8 Mil Polyethylene Encasement Tubing** (33 14 13 43)

Note: ANSI/AWWA C105/A21.5-99 section 4.2.

33 14 13 43-0064	LF	3"	To 8" Diameter, 8 Mil Polyethylene Encasement Tubing.....0.88	0.88	
33 14 13 43-0065	LF	10"	To 12" Diameter, 8 Mil Polyethylene Encasement Tubing.....1.47	1.47	
33 14 13 43-0066	LF	14"	To 16" Diameter, 8 Mil Polyethylene Encasement Tubing.....1.85	1.85	
33 14 13 43-0067	LF	18"	To 20" Diameter, 8 Mil Polyethylene Encasement Tubing.....2.35	2.35	
33 14 13 43-0068	LF	24"	Diameter, 8 Mil Polyethylene Encasement Tubing .....3.26	3.26	
33 14 13 43-0069	LF	30"	Diameter, 8 Mil Polyethylene Encasement Tubing .....4.22	4.22	
33 14 13 43-0070	LF	36"	To 42" Diameter, 8 Mil Polyethylene Encasement Tubing.....5.36	5.36	
33 14 13 43-0071	LF	48"	Diameter, 8 Mil Polyethylene Encasement Tubing .....6.39	6.39	
33 14 13 43-0072	LF	54"	Diameter, 8 Mil Polyethylene Encasement Tubing .....7.62	7.62	
33 14 13 43-0073	LF	60"	Diameter, 8 Mil Polyethylene Encasement Tubing .....8.49	8.49	

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST
**33 14 13 53 Public Water Utility Distribution Piping Saddles And Adapters (33 14 13)**

<b>33 14 13 53-0001</b>	<b>Double Stud Stainless Steel Service Saddles (33 14 13 53)</b>		
	Note: 1/2" listed taps are compression, 3/4" to 2" are either compression or NPT.		
33 14 13 53-0002	EA 4" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	.....	249.18
33 14 13 53-0003	EA 4" Diameter x 1-1/4" Or 1-1/2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	.....	353.34
33 14 13 53-0004	EA 4" Diameter x 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	.....	364.64
33 14 13 53-0005	EA 6" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	.....	299.62
33 14 13 53-0006	EA 6" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	.....	377.97
33 14 13 53-0007	EA 8" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	.....	312.85
33 14 13 53-0008	EA 8" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	.....	395.66
33 14 13 53-0009	EA 10" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	.....	353.01
33 14 13 53-0010	EA 10" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	.....	416.79
33 14 13 53-0011	EA 12" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	.....	367.94
33 14 13 53-0012	EA 12" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	.....	428.14

**33 14 13 53-0013 Double Bale Epoxy Coated Ductile Iron Body Service Saddles (33 14 13 53)**

Note: Electro-galvanized steel bales. 5/8" listed taps are compression. 3/4" to 2" are either compression or NPT. 2-1/2", 3" or 4" are NPT.

33 14 13 53-0014	EA 1-1/4" To 1-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	.....	206.24
33 14 13 53-0015	EA 2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	.....	206.39
33 14 13 53-0016	EA 2" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	.....	219.55
33 14 13 53-0017	EA 2-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	.....	210.00
33 14 13 53-0018	EA 3" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	.....	224.71
33 14 13 53-0019	EA 3" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	.....	249.00
33 14 13 53-0020	EA 3" Diameter x 2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	.....	264.87
33 14 13 53-0021	EA 4" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	.....	241.90
33 14 13 53-0022	EA 4" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	.....	266.40
33 14 13 53-0023	EA 4" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	.....	279.88
33 14 13 53-0024	EA 5" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	.....	255.19
33 14 13 53-0025	EA 5" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	.....	280.50
33 14 13 53-0026	EA 5" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	.....	293.91
33 14 13 53-0027	EA 6" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	.....	268.97
33 14 13 53-0028	EA 6" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	.....	293.53
33 14 13 53-0029	EA 6" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	.....	306.75
33 14 13 53-0030	EA 6" Diameter x 3" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	.....	454.19
33 14 13 53-0031	EA 6" Diameter x 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	.....	465.49
33 14 13 53-0032	EA 8" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	.....	291.61
33 14 13 53-0033	EA 8" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	.....	321.40
33 14 13 53-0034	EA 8" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	.....	333.62
33 14 13 53-0035	EA 8" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	.....	538.90
33 14 13 53-0036	EA 10" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	.....	327.28
33 14 13 53-0037	EA 10" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	.....	363.13
33 14 13 53-0038	EA 10" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	.....	602.79
33 14 13 53-0039	EA 12" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	.....	356.52
33 14 13 53-0040	EA 12" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	.....	394.47
33 14 13 53-0041	EA 12" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	.....	408.49
33 14 13 53-0042	EA 12" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	.....	673.83
33 14 13 53-0043	EA 14" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	.....	417.60
33 14 13 53-0044	EA 14" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	.....	447.21
33 14 13 53-0045	EA 14" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	.....	482.01
33 14 13 53-0046	EA 14" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	.....	830.91
33 14 13 53-0047	EA 15" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	.....	428.90
33 14 13 53-0048	EA 15" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	.....	489.63
33 14 13 53-0049	EA 15" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	.....	510.03
33 14 13 53-0050	EA 15" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	.....	893.60
33 14 13 53-0051	EA 16" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	.....	448.20
33 14 13 53-0052	EA 16" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	.....	511.17
33 14 13 53-0053	EA 16" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	.....	532.12
33 14 13 53-0054	EA 16" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	.....	929.98
33 14 13 53-0055	EA 18" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	.....	497.02
33 14 13 53-0056	EA 18" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	.....	575.80
33 14 13 53-0057	EA 20" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	.....	567.87
33 14 13 53-0058	EA 20" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	.....	629.10
33 14 13 53-0059	EA 24" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	.....	593.18
33 14 13 53-0060	EA 24" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	.....	670.53

**33 14 13 53-0061 Double Bale Bronze Service Saddles (33 14 13 53)**

33 14 13 53-0062	EA 4" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	.....	287.45
33 14 13 53-0063	EA 4" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	.....	314.60
33 14 13 53-0064	EA 6" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	.....	326.99
33 14 13 53-0065	EA 6" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	.....	354.41
33 14 13 53-0066	EA 8" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	.....	365.02

MINOR	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 14 13 53-0067	EA	8" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	383.64	
33 14 13 53-0068	EA	10" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	352.91	
33 14 13 53-0069	EA	10" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	375.54	
33 14 13 53-0070	EA	12" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	450.20	
33 14 13 53-0071	EA	12" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	487.27	
33 14 13 53-0072	EA	14" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	682.60	
33 14 13 53-0073	EA	14" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	772.16	
33 14 13 53-0074	EA	16" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	794.78	
33 14 13 53-0075	EA	16" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	888.14	

**33 14 13 53-0076 Stainless Steel Double Straps, Bronze Body Service Saddle (33 14 13 53)**

Note: Taps are compression or NPT.

33 14 13 53-0077	EA	4" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	302.52	
33 14 13 53-0078	EA	4" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	333.62	
33 14 13 53-0079	EA	6" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	344.79	
33 14 13 53-0080	EA	6" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	374.74	
33 14 13 53-0081	EA	8" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	387.02	
33 14 13 53-0082	EA	8" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	406.82	
33 14 13 53-0083	EA	10" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	436.78	
33 14 13 53-0084	EA	10" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	467.69	
33 14 13 53-0085	EA	12" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	470.36	
33 14 13 53-0086	EA	12" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	510.03	
33 14 13 53-0087	EA	14" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	732.56	
33 14 13 53-0088	EA	14" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	842.81	
33 14 13 53-0089	EA	16" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	854.06	
33 14 13 53-0090	EA	16" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	931.16	
33 14 13 53-0091	EA	18" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,556.13	
33 14 13 53-0092	EA	18" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,556.13	
33 14 13 53-0093	EA	20" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,616.19	
33 14 13 53-0094	EA	20" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,616.19	
33 14 13 53-0095	EA	24" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,734.59	
33 14 13 53-0096	EA	24" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,734.59	

**33 14 13 53-0097 Ductile Iron Mechanical Joint Tapping Sleeve (33 14 13 53)**

33 14 13 53-0098	EA	4" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,364.50	
33 14 13 53-0099	EA	6" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,646.85	
33 14 13 53-0100	EA	8" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,970.65	
33 14 13 53-0101	EA	8" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,086.80	
33 14 13 53-0102	EA	10" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,192.79	
33 14 13 53-0103	EA	10" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,355.76	
33 14 13 53-0104	EA	10" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,425.04	
33 14 13 53-0105	EA	12" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,362.33	
33 14 13 53-0106	EA	12" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,524.63	
33 14 13 53-0107	EA	12" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,921.67	
33 14 13 53-0108	EA	12" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	4,021.65	
33 14 13 53-0109	EA	14" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,770.11	
33 14 13 53-0110	EA	14" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,953.65	
33 14 13 53-0111	EA	14" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,035.58	
33 14 13 53-0112	EA	14" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,070.20	
33 14 13 53-0113	EA	14" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,329.86	
33 14 13 53-0114	EA	16" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,316.54	
33 14 13 53-0115	EA	16" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,339.16	
33 14 13 53-0116	EA	16" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,544.39	
33 14 13 53-0117	EA	16" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,591.96	
33 14 13 53-0118	EA	16" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,644.43	
33 14 13 53-0119	EA	16" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,768.67	
33 14 13 53-0120	EA	16" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,017.18	
33 14 13 53-0121	EA	18" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,201.86	
33 14 13 53-0122	EA	18" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,666.61	
33 14 13 53-0123	EA	18" Diameter x 8", 10", 12" Or 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,794.65	
33 14 13 53-0124	EA	18" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,185.29	
33 14 13 53-0125	EA	20" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,527.89	
33 14 13 53-0126	EA	20" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,172.94	
33 14 13 53-0127	EA	20" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,349.54	
33 14 13 53-0128	EA	20" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,417.85	
33 14 13 53-0129	EA	20" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,762.41	
33 14 13 53-0130	EA	20" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	13,241.22	
33 14 13 53-0131	EA	20" Diameter x 16", 18" Or 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	13,496.44	
33 14 13 53-0132	EA	24" Diameter x 4", 6" Or 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,521.68	
33 14 13 53-0133	EA	24" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,680.21	
33 14 13 53-0134	EA	24" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,725.20	
33 14 13 53-0135	EA	24" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	16,288.47	
33 14 13 53-0136	EA	24" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	16,497.65	
33 14 13 53-0137	EA	24" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	16,542.86	
33 14 13 53-0138	EA	24" Diameter x 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	16,997.92	
33 14 13 53-0139	EA	24" Diameter x 24" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	17,212.99	

**33 14 13 53-0140 Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (33 14 13 53)**

33 14 13 53-0141	EA	4" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,125.33	
33 14 13 53-0142	EA	6" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,191.46	
33 14 13 53-0143	EA	6" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,304.87	
33 14 13 53-0144	EA	8" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,339.62	

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

33 14 13 53-0145	EA	8" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,395.51	
33 14 13 53-0146	EA	8" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,608.47	
33 14 13 53-0147	EA	10" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,460.46	
33 14 13 53-0148	EA	10" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,514.84	
33 14 13 53-0149	EA	10" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,701.88	
33 14 13 53-0150	EA	10" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,370.19	
33 14 13 53-0151	EA	12" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,639.64	
33 14 13 53-0152	EA	12" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,720.00	
33 14 13 53-0153	EA	12" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,904.04	
33 14 13 53-0154	EA	12" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,502.62	
33 14 13 53-0155	EA	12" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,733.71	
33 14 13 53-0156	EA	14" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,165.70	
33 14 13 53-0157	EA	14" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,231.95	
33 14 13 53-0158	EA	14" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,628.41	
33 14 13 53-0159	EA	14" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,120.26	
33 14 13 53-0160	EA	14" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,439.62	
33 14 13 53-0161	EA	16" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,576.14	
33 14 13 53-0162	EA	16" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,644.60	
33 14 13 53-0163	EA	16" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,906.59	
33 14 13 53-0164	EA	16" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,610.63	
33 14 13 53-0165	EA	16" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,776.01	
33 14 13 53-0166	EA	18" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,724.25	
33 14 13 53-0167	EA	18" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,849.32	
33 14 13 53-0168	EA	18" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,023.61	
33 14 13 53-0169	EA	18" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,852.30	
33 14 13 53-0170	EA	18" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,017.49	
33 14 13 53-0171	EA	20" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,295.05	
33 14 13 53-0172	EA	20" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,363.34	
33 14 13 53-0173	EA	20" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,756.11	
33 14 13 53-0174	EA	20" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,421.18	
33 14 13 53-0175	EA	20" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,702.62	
33 14 13 53-0176	EA	24" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,552.23	
33 14 13 53-0177	EA	24" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,703.48	
33 14 13 53-0178	EA	24" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,908.18	
33 14 13 53-0179	EA	24" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,852.72	
33 14 13 53-0180	EA	24" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	5,025.00	

**33 14 13 53-0181 Stainless Steel Flange, Stainless Steel Tapping Sleeve** (33 14 13 53)

33 14 13 53-0182	EA	4" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,306.38	
33 14 13 53-0183	EA	6" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,420.13	
33 14 13 53-0184	EA	6" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,504.13	
33 14 13 53-0185	EA	8" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,530.90	
33 14 13 53-0186	EA	8" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,627.87	
33 14 13 53-0187	EA	8" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,920.19	
33 14 13 53-0188	EA	10" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,756.59	
33 14 13 53-0189	EA	10" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,864.26	
33 14 13 53-0190	EA	10" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,126.13	
33 14 13 53-0191	EA	10" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,884.85	
33 14 13 53-0192	EA	12" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,003.18	
33 14 13 53-0193	EA	12" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,150.42	
33 14 13 53-0194	EA	12" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,496.80	
33 14 13 53-0195	EA	12" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,948.51	
33 14 13 53-0196	EA	12" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,293.52	
33 14 13 53-0197	EA	14" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,285.48	
33 14 13 53-0198	EA	14" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,466.41	
33 14 13 53-0199	EA	14" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,856.61	
33 14 13 53-0200	EA	14" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,308.75	
33 14 13 53-0201	EA	14" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,547.24	
33 14 13 53-0202	EA	16" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,793.72	
33 14 13 53-0203	EA	16" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,041.58	
33 14 13 53-0204	EA	16" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,230.11	
33 14 13 53-0205	EA	16" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,716.35	
33 14 13 53-0206	EA	16" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,045.78	
33 14 13 53-0207	EA	18" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,075.44	
33 14 13 53-0208	EA	18" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,446.53	
33 14 13 53-0209	EA	18" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,643.37	
33 14 13 53-0210	EA	18" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,070.48	
33 14 13 53-0211	EA	18" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,366.01	
33 14 13 53-0212	EA	20" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,315.79	
33 14 13 53-0213	EA	20" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,685.92	
33 14 13 53-0214	EA	20" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,845.59	
33 14 13 53-0215	EA	20" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,641.57	
33 14 13 53-0216	EA	20" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	5,084.03	
33 14 13 53-0217	EA	24" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,935.24	
33 14 13 53-0218	EA	24" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,986.75	
33 14 13 53-0219	EA	24" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,178.48	
33 14 13 53-0220	EA	24" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	5,128.88	
33 14 13 53-0221	EA	24" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	5,635.50	

**33 14 13 53-0222 Ductile Iron Body, Flanged Coupling Adapter** (33 14 13 53)

33 14 13 53-0223	EA	3" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	326.99	58.85
33 14 13 53-0224	EA	4" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	409.66	74.21
33 14 13 53-0225	EA	6" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	538.37	102.35

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0226	EA		8" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912).....	698.50	120.26
33 14 13 53-0227	EA		10" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912).....	1,100.30	135.62
33 14 13 53-0228	EA		12" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912).....	1,229.08	153.53
<b>33 14 13 53-0229</b>			<b>Steel Body, Flanged Coupling Adapter (33 14 13 53)</b>		
33 14 13 53-0230	EA		3" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	478.85	58.85
33 14 13 53-0231	EA		4" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	565.92	74.21
33 14 13 53-0232	EA		6" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	755.43	102.35
33 14 13 53-0233	EA		8" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	924.41	120.26
33 14 13 53-0234	EA		10" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	1,129.28	135.62
33 14 13 53-0235	EA		12" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	1,316.23	153.53
33 14 13 53-0236	EA		14" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	1,564.63	168.89
33 14 13 53-0237	EA		16" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	1,854.07	184.23
33 14 13 53-0238	EA		18" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	2,190.55	202.65
33 14 13 53-0239	EA		20" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	2,589.66	222.93
<b>33 14 13 53-0240</b>			<b>Steel Body, Flanged-Lock Restrained Coupling Adapters (33 14 13 53)</b>		
33 14 13 53-0241	EA		4" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	419.82	74.21
33 14 13 53-0242	EA		6" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	563.44	102.35
33 14 13 53-0243	EA		8" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	623.48	120.26
33 14 13 53-0244	EA		10" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	912.74	135.62
33 14 13 53-0245	EA		12" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	1,163.69	153.53
33 14 13 53-0246	EA		14" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	1,305.40	168.89
33 14 13 53-0247	EA		16" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	1,535.35	184.23
33 14 13 53-0248	EA		18" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	1,723.27	202.65
33 14 13 53-0249	EA		20" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	2,072.26	222.93
33 14 13 53-0250	EA		24" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	2,497.71	245.24
33 14 13 53-0251	EA		30" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	5,216.72	269.70
33 14 13 53-0252	EA		36" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	7,044.46	296.72
<b>33 14 13 53-0253</b>			<b>Ductile Iron Body, Omni Coupling System (33 14 13 53)</b>		
33 14 13 53-0254	EA		2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	146.97	40.94
33 14 13 53-0255	EA		2-1/2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	181.41	48.62
33 14 13 53-0256	EA		3" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	224.66	58.85
33 14 13 53-0257	EA		4" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	282.10	74.21
33 14 13 53-0258	EA		6" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	376.18	102.35
33 14 13 53-0259	EA		8" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	457.28	120.26
33 14 13 53-0260	EA		10" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	572.16	135.62
33 14 13 53-0261	EA		12" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	669.42	153.53
33 14 13 53-0262	EA		14" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	943.95	168.89
33 14 13 53-0263	EA		16" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	1,179.14	184.23
<b>33 14 19</b>			<b>Valves and Hydrants for Water Utility Service (33 14)</b>		
Note: Flanged valves excludes bolt and gasket set. See CSI section 23 21 13 23-0669 for bolt and gasket sets.					
<b>33 14 19 00-0001</b>			<b>Water Utility Distribution Valves (33 14 19)</b>		
<b>33 14 19 00-0002</b>			<b>Angle Valves (33 14 19 00-0001)</b>		
Note: For connecting meters to water service.					
<b>33 14 19 00-0003</b>			<b>Threaded, Class 150, Bronze Angle Valve (33 14 19 00-0002)</b>		
Note: Nibco T-335Y					
33 14 19 00-0004	EA		1/2" Threaded, Class 150, Bronze Angle Valve.....	96.71	17.54
33 14 19 00-0005	EA		3/4" Threaded, Class 150, Bronze Angle Valve.....	130.43	23.57
33 14 19 00-0006	EA		1" Threaded, Class 150, Bronze Angle Valve.....	175.52	29.05
33 14 19 00-0007	EA		1-1/4" Threaded, Class 150, Bronze Angle Valve.....	225.97	36.50
33 14 19 00-0008	EA		1-1/2" Threaded, Class 150, Bronze Angle Valve.....	282.00	42.20
33 14 19 00-0009	EA		2" Threaded, Class 150, Bronze Angle Valve.....	420.02	49.33
33 14 19 00-0010	EA		2-1/2" Threaded, Class 150, Bronze Angle Valve.....	672.11	67.34
33 14 19 00-0011	EA		3" Threaded, Class 150, Bronze Angle Valve.....	1,019.01	77.73
<b>33 14 19 00-0012</b>			<b>Butterfly Valves (33 14 19 00-0001)</b>		
<b>33 14 19 00-0013</b>			<b>Lug Type Flanged, Cast Iron Disc, Butterfly Valves (33 14 19 00-0012)</b>		
Note: ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, 304 Stainless Steel Pin					
33 14 19 00-0014	EA		3" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,3,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8).....	1,803.25	186.37
33 14 19 00-0015	EA		3" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,3,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8).....	2,003.25	186.37
33 14 19 00-0016	EA		4" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,4,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8).....	1,949.55	288.44
33 14 19 00-0017	EA		4" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,4,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8).....	2,149.55	288.44
33 14 19 00-0018	EA		6" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,6,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8).....	2,239.53	341.60

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

33 14 19 00-0019	EA	6" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 6,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8).....	2,439.53	341.60
33 14 19 00-0020	EA	8" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 8,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8).....	2,536.22	436.49
33 14 19 00-0021	EA	8" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 8,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8).....	2,735.22	436.49
33 14 19 00-0022	EA	10" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 10,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8).....	3,179.22	531.38
33 14 19 00-0023	EA	10" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 10,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8).....	4,033.15	531.38
33 14 19 00-0024	EA	12" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 12,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8).....	3,643.11	644.08
33 14 19 00-0025	EA	12" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 12,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8).....	3,843.11	644.08
33 14 19 00-0026	EA	14" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 14,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD12).....	4,901.28	917.03
33 14 19 00-0027	EA	14" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 14,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW12).....	5,424.28	917.03
33 14 19 00-0028	EA	16" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 16,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD16).....	5,701.91	1,008.73
33 14 19 00-0029	EA	16" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 16,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW20).....	6,343.91	1,008.73
33 14 19 00-0030	EA	18" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 18,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD24).....	7,132.46	1,118.77
33 14 19 00-0031	EA	18" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 18,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW24).....	7,812.46	1,118.77
33 14 19 00-0032	EA	20" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 20,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD24).....	8,171.13	1,260.91
33 14 19 00-0033	EA	20" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 20,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW24).....	8,850.13	1,260.91

**33 14 19 00-0034 Lug Type Flanged, Ductile Iron Disc, Butterfly Valves** (33 14 19 00-0012)

Note: ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, 304 Stainless Steel Pin

33 14 19 00-0035	EA	24" Chainwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 24,F1,DI,NBRN-NBR,150B,DI-S2*GS-12A-CW20).....	13,321.35	1,547.48
33 14 19 00-0036	EA	24" Cylinder Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 24,F1,DI,NBRN-NBR,150B,DI-S2*GS-12-PC10).....	20,565.35	1,547.48
33 14 19 00-0037	EA	24" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 24,F1,DI,NBRN-NBR,150B,DI-S2*GS-12A-HD20).....	13,280.35	1,547.48
33 14 19 00-0038	EA	30" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 30,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD24).....	27,523.98	2,445.59
33 14 19 00-0039	EA	36" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 36,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD24).....	32,511.99	3,260.79
33 14 19 00-0040	EA	42" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 42,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD32).....	41,014.97	4,891.18
33 14 19 00-0041	EA	48" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 48,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR4L-HD24).....	55,832.47	6,113.97
33 14 19 00-0042	EA	54" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 54,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR6L-HD24).....	88,753.96	7,336.77
33 14 19 00-0043	EA	60" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 60,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR6L-HD36).....	111,261.15	8,804.12
33 14 19 00-0044	EA	72" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 72,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR8L-HD36).....	159,634.18	10,564.94
33 14 19 00-0045	LF	3/16" Link, 316 Stainless Steel Chain For Use With DeZurik Chainwheel.....	22.69	
33 14 19 00-0046	EA	316 Stainless Steel Closing Link For Use With DeZurik Chainwheel.....	9.93	
Note: One required per valve.				

**33 14 19 00-0047 Check Valves** (33 14 19 00-0001)
**33 14 19 00-0048 Flanged, Swing Type Gravity Operated Check Valves** (33 14 19 00-0047)

Note: AWWA C508. Bronze disc facing. Mueller A-2600-6.

33 14 19 00-0049	EA	2-1/2" Flanged, Swing Type Gravity Operated Check Valve.....	852.03	146.38
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 14 19 00-0050	EA		3" Flanged, Swing Type Gravity Operated Check Valve.....	883.28	171.63
33 14 19 00-0051	EA		4" Flanged, Swing Type Gravity Operated Check Valve.....	1,255.84	217.05
33 14 19 00-0052	EA		4" x 6" Flanged, Swing Type Gravity Operated Check Valve.....	1,699.32	326.59
33 14 19 00-0053	EA		4" x 8" Flanged, Swing Type Gravity Operated Check Valve.....	1,773.30	364.74
33 14 19 00-0054	EA		6" Flanged, Swing Type Gravity Operated Check Valve.....	1,696.16	363.44
33 14 19 00-0055	EA		6" x 8" Flanged, Swing Type Gravity Operated Check Valve.....	2,196.04	413.12
33 14 19 00-0056	EA		6" x 10" Flanged, Swing Type Gravity Operated Check Valve.....	2,301.68	464.39
33 14 19 00-0057	EA		8" Flanged, Swing Type Gravity Operated Check Valve.....	2,392.21	464.39
33 14 19 00-0058	EA		10" Flanged, Swing Type Gravity Operated Check Valve.....	3,963.91	565.35
33 14 19 00-0059	EA		12" Flanged, Swing Type Gravity Operated Check Valve.....	5,946.73	424.01
33 14 19 00-0060	EA		14" Flanged, Swing Type Gravity Operated Check Valve.....	8,357.88	917.03
33 14 19 00-0061	EA		16" Flanged, Swing Type Gravity Operated Check Valve.....	11,034.96	1,008.73
33 14 19 00-0062	EA		18" Flanged, Swing Type Gravity Operated Check Valve.....	15,874.91	1,118.77
33 14 19 00-0063	EA		20" Flanged, Swing Type Gravity Operated Check Valve.....	18,466.40	1,260.91
<b>33 14 19 00-0064      Combination Air Release Valves (33 14 19 00-0001)</b>					
33 14 19 00-0065	EA		1" Combination Air Release Valve.....	458.66	21.20
33 14 19 00-0066	EA		2" Combination Air Release Valve.....	741.37	36.34
<b>33 14 19 00-0067      Corporation Stop And Curb Valve (33 14 19 00-0001)</b>					
Note: AWWA C800					
<b>33 14 19 00-0068      Ball Corporation Valves (33 14 19 00-0067)</b>					
Note: Mueller B-25000.					
33 14 19 00-0069	EA		3/4" Ball Corporation Valve (Mueller B-25000).....	78.97	21.20
33 14 19 00-0070	EA		1" Ball Corporation Valve (Mueller B-25000).....	99.15	26.25
33 14 19 00-0071	EA		1-1/2" Ball Corporation Valve (Mueller B-25000).....	176.52	38.37
33 14 19 00-0072	EA		2" Ball Corporation Valve (Mueller B-25000).....	264.43	45.43
<b>33 14 19 00-0073      Gate Valve, AWWA C500 And C509 (33 14 19 00-0001)</b>					
<b>33 14 19 00-0074      Gate Valve, Flanged (33 14 19 00-0073)</b>					
Note: Mueller A-2380-6.					
33 14 19 00-0075	EA		2" Gate Valve, Flanged.....	545.41	134.57
33 14 19 00-0076	EA		2-1/2" Gate Valve, Flanged.....	633.89	146.38
33 14 19 00-0077	EA		3" Gate Valve, Flanged.....	749.23	171.63
33 14 19 00-0078	EA		4" Gate Valve, Flanged.....	1,027.27	215.03
33 14 19 00-0079	EA		6" Gate Valve, Flanged.....	1,254.27	363.44
33 14 19 00-0080	EA		8" Gate Valve, Flanged.....	1,824.44	464.39
33 14 19 00-0081	EA		10" Gate Valve, Flanged.....	2,689.19	565.35
33 14 19 00-0082	EA		12" Gate Valve, Flanged.....	3,241.62	424.01
33 14 19 00-0083	EA		14" Gate Valve, Flanged.....	6,862.81	917.03
33 14 19 00-0084	EA		16" Gate Valve, Flanged.....	8,899.88	1,008.73
33 14 19 00-0085	EA		18" Gate Valve, Flanged.....	13,902.13	1,118.77
33 14 19 00-0086	EA		20" Gate Valve, Flanged.....	16,593.28	1,260.91
<b>33 14 19 00-0087      Resilient Wedge Gate Valve, Flanged (33 14 19 00-0073)</b>					
Note: Mueller A-2360-6.					
33 14 19 00-0088	EA		2" Resilient Wedge Gate Valve, Flanged.....	524.08	134.57
33 14 19 00-0089	EA		2-1/2" Resilient Wedge Gate Valve, Flanged.....	608.40	146.38
33 14 19 00-0090	EA		3" Resilient Wedge Gate Valve, Flanged.....	718.98	171.63
33 14 19 00-0091	EA		4" Resilient Wedge Gate Valve, Flanged.....	993.46	215.03
33 14 19 00-0092	EA		6" Resilient Wedge Gate Valve, Flanged.....	1,209.07	363.44
33 14 19 00-0093	EA		8" Resilient Wedge Gate Valve, Flanged.....	1,753.83	464.39
33 14 19 00-0094	EA		10" Resilient Wedge Gate Valve, Flanged.....	2,576.98	565.35
33 14 19 00-0095	EA		12" Resilient Wedge Gate Valve, Flanged.....	3,106.14	424.01
<b>33 14 19 00-0096      Gate Valve, Mechanical Joint (33 14 19 00-0073)</b>					
Note: Mueller A-2380-20.					
33 14 19 00-0097	EA		2" Gate Valve, Mechanical Joint.....	645.32	107.52
33 14 19 00-0098	EA		2-1/2" Gate Valve, Mechanical Joint.....	711.20	134.77
33 14 19 00-0099	EA		3" Gate Valve, Mechanical Joint.....	889.46	163.04
33 14 19 00-0100	EA		4" Gate Valve, Mechanical Joint.....	1,074.48	215.03
33 14 19 00-0101	EA		6" Gate Valve, Mechanical Joint.....	1,338.94	252.39
33 14 19 00-0102	EA		8" Gate Valve, Mechanical Joint.....	1,903.45	302.86
33 14 19 00-0103	EA		10" Gate Valve, Mechanical Joint.....	2,723.43	353.34
33 14 19 00-0104	EA		12" Gate Valve, Mechanical Joint.....	3,397.11	424.01
33 14 19 00-0105	EA		14" Gate Valve, Mechanical Joint.....	7,263.96	561.68
33 14 19 00-0106	EA		16" Gate Valve, Mechanical Joint.....	9,334.33	630.46
33 14 19 00-0107	EA		18" Gate Valve, Mechanical Joint.....	14,680.29	699.23
33 14 19 00-0108	EA		20" Gate Valve, Mechanical Joint.....	17,432.91	788.07
<b>33 14 19 00-0109      Resilient Wedge Gate Valve, Mechanical Joint (33 14 19 00-0073)</b>					
Note: Mueller A-2360-20.					
33 14 19 00-0110	EA		2" Resilient Wedge Gate Valve, Mechanical Joint.....	620.96	107.52
33 14 19 00-0111	EA		3" Resilient Wedge Gate Valve, Mechanical Joint.....	857.57	163.04
33 14 19 00-0112	EA		4" Resilient Wedge Gate Valve, Mechanical Joint.....	1,038.00	215.03
33 14 19 00-0113	EA		6" Resilient Wedge Gate Valve, Mechanical Joint.....	1,291.73	252.39
33 14 19 00-0114	EA		8" Resilient Wedge Gate Valve, Mechanical Joint.....	1,830.01	302.86
33 14 19 00-0115	EA		10" Resilient Wedge Gate Valve, Mechanical Joint.....	2,609.28	353.34

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0116	EA		12" Resilient Wedge Gate Valve, Mechanical Joint .....	3,252.80	424.01
<b>33 14 19 00-0117</b>			<b>Resilient Wedge Gate Valve, Mechanical Joint X Flange Joint</b> (33 14 19 00-0073) Note: Mueller A-2361.		
33 14 19 00-0118	EA		14" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint .....	6,772.84	917.03
33 14 19 00-0119	EA		16" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint .....	7,365.37	1,008.73
33 14 19 00-0120	EA		18" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint .....	11,388.75	1,118.77
33 14 19 00-0121	EA		20" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint .....	13,577.45	1,260.91
33 14 19 00-0122	EA		24" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint .....	19,233.55	1,547.48
<b>33 14 19 00-0123</b>			<b>Gate Valve, Threaded, WW-V-51 Class A, Type 1</b> (33 14 19 00-0073) Note: NIBCO T-113.		
33 14 19 00-0124	EA		1/4" Gate Valve, Bronze, Threaded .....	56.66	17.65
33 14 19 00-0125	EA		3/8" Gate Valve, Bronze, Threaded .....	58.34	17.65
33 14 19 00-0126	EA		1/2" Gate Valve, Bronze, Threaded .....	57.77	17.65
33 14 19 00-0127	EA		3/4" Gate Valve, Bronze, Threaded .....	74.34	23.84
33 14 19 00-0128	EA		1" Gate Valve, Bronze, Threaded .....	91.69	28.83
33 14 19 00-0129	EA		1-1/4" Gate Valve, Bronze, Threaded .....	124.70	36.50
33 14 19 00-0130	EA		1-1/2" Gate Valve, Bronze, Threaded .....	144.70	42.20
33 14 19 00-0131	EA		2" Gate Valve, Bronze, Threaded .....	175.61	49.33
33 14 19 00-0132	EA		2-1/2" Gate Valve, Bronze, Threaded .....	339.09	67.34
33 14 19 00-0133	EA		3" Gate Valve, Bronze, Threaded .....	406.53	77.23
<b>33 14 19 00-0134</b>			<b>Globe Valve, AWWA</b> (33 14 19 00-0001)		
<b>33 14 19 00-0135</b>			<b>Globe Valve, Threaded, WW-V-51 Class B, Type 1</b> (33 14 19 00-0134) Note: NIBCO T-235.		
33 14 19 00-0136	EA		1/8" Globe Valve, Threaded .....	80.28	17.65
33 14 19 00-0137	EA		1/4" Globe Valve, Threaded .....	76.90	17.65
33 14 19 00-0138	EA		3/8" Globe Valve, Threaded .....	78.58	17.65
33 14 19 00-0139	EA		1/2" Globe Valve, Threaded .....	80.28	17.65
33 14 19 00-0140	EA		3/4" Globe Valve, Threaded .....	109.02	23.84
33 14 19 00-0141	EA		1" Globe Valve, Threaded .....	153.10	28.83
33 14 19 00-0142	EA		1-1/4" Globe Valve, Threaded .....	223.94	36.50
33 14 19 00-0143	EA		1-1/2" Globe Valve, Threaded .....	267.36	42.20
33 14 19 00-0144	EA		2" Globe Valve, Threaded .....	373.25	49.33
33 14 19 00-0145	EA		2-1/2" Globe Valve, Threaded .....	685.70	67.34
33 14 19 00-0146	EA		3" Globe Valve, Threaded .....	939.12	77.63
<b>33 14 19 00-0147</b>			<b>Tapping Valve, AWWA C500 And C509</b> (33 14 19 00-0001)		
<b>33 14 19 00-0148</b>			<b>Tapping Valve, AWWA C500 And C509</b> (33 14 19 00-0147) Note: Flanged inlet X mechanical joint, Mueller H-667.		
33 14 19 00-0149	EA		2" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint .....	748.75	134.57
33 14 19 00-0150	EA		3" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint .....	964.09	171.63
33 14 19 00-0151	EA		4" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint .....	1,234.81	215.03
33 14 19 00-0152	EA		6" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint .....	1,571.41	363.44
33 14 19 00-0153	EA		8" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint .....	2,231.18	464.39
33 14 19 00-0154	EA		10" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint .....	3,183.47	565.35
33 14 19 00-0155	EA		12" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint .....	4,633.43	424.01
33 14 19 00-0156	EA		14" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint .....	8,294.42	917.03
33 14 19 00-0157	EA		16" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint .....	10,415.84	1,008.73
33 14 19 00-0158	EA		18" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint .....	16,590.17	1,118.77
<b>33 14 19 00-0159</b>			<b>Accessories For Valves</b> (33 14 19)		
33 14 19 00-0160	EA		1" Valve Extension Stem .....	101.64	
			For Each Additional LF, Add .....	7.26	
33 14 19 00-0161	EA		Up to 80" Long Indicator Post Telescoping Barrel Assembly .....	1,358.34	100.95
			Note: Excludes valve.		
33 14 19 00-0162	EA		>80" To 114" Long Indicator Post Telescoping Barrel Assembly .....	1,540.02	111.05
			Note: Excludes valve.		
33 14 19 00-0163	EA		Adjust Water Valve Box To Grade .....	100.95	
<b>33 14 19 00-0164</b>			<b>Fire Hydrants</b> (33 14 19)		
			Note: Breakaway type.		
<b>33 14 19 00-0165</b>			<b>Three Way, Standard (Traditional) Model Fire Hydrant</b> (33 14 19 00-0164) Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0166	EA		1-1/2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant .....	3,546.59	265.68
33 14 19 00-0167	EA		2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant .....	3,613.10	265.68
33 14 19 00-0168	EA		2-1/2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant .....	3,679.78	265.68
33 14 19 00-0169	EA		3" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant .....	3,765.12	284.66
33 14 19 00-0170	EA		3-1/2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant .....	3,831.70	284.66
33 14 19 00-0171	EA		4" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant .....	3,922.07	308.39
33 14 19 00-0172	EA		4-1/2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant .....	3,988.54	308.39
33 14 19 00-0173	EA		5" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant .....	4,078.92	332.11
33 14 19 00-0174	EA		5-1/2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant .....	4,145.49	332.11
33 14 19 00-0175	EA		6" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant .....	4,235.68	355.83
33 14 19 00-0176	EA		6-1/2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant .....	4,325.95	379.55
33 14 19 00-0177	EA		7" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant .....	4,439.85	427.00
33 14 19 00-0178	EA		1-1/2" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant .....	3,607.29	265.68



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
33 14 19 00-0179	EA	2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,693.60		265.68
33 14 19 00-0180	EA	2-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,779.70		265.68
33 14 19 00-0181	EA	3' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,884.78		284.66
33 14 19 00-0182	EA	3-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,970.88		284.66
33 14 19 00-0183	EA	4' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,081.03		308.39
33 14 19 00-0184	EA	4-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,167.02		308.39
33 14 19 00-0185	EA	5' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,276.93		332.11
33 14 19 00-0186	EA	5-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,363.01		332.11
33 14 19 00-0187	EA	6' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,472.68		355.83
33 14 19 00-0188	EA	6-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,582.71		379.55
33 14 19 00-0189	EA	7' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,716.11		427.00
<b>33 14 19 00-0190 Two Way, Standard (Traditional) Model Fire Hydrant (33 14 19 00-0164)</b>					
Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).					
33 14 19 00-0191	EA	1-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,181.51		265.68
33 14 19 00-0192	EA	2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,247.79		265.68
33 14 19 00-0193	EA	2-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,314.45		265.68
33 14 19 00-0194	EA	3' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,400.07		284.66
33 14 19 00-0195	EA	3-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,466.43		284.66
33 14 19 00-0196	EA	4' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,556.65		308.39
33 14 19 00-0197	EA	4-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,623.22		308.39
33 14 19 00-0198	EA	5' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,713.66		332.11
33 14 19 00-0199	EA	5-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,780.09		332.11
33 14 19 00-0200	EA	6' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,870.64		355.83
33 14 19 00-0201	EA	6-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,960.49		379.55
33 14 19 00-0202	EA	7' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,074.53		427.00
33 14 19 00-0203	EA	1-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,275.27		265.68
33 14 19 00-0204	EA	2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,361.39		265.68
33 14 19 00-0205	EA	2-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,447.38		265.68
33 14 19 00-0206	EA	3' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,552.68		284.66
33 14 19 00-0207	EA	3-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,638.56		284.66
33 14 19 00-0208	EA	4' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,748.56		308.39
33 14 19 00-0209	EA	4-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,834.49		308.39
33 14 19 00-0210	EA	5' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,944.68		332.11
33 14 19 00-0211	EA	5-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,030.56		332.11
33 14 19 00-0212	EA	6' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,140.53		355.83
33 14 19 00-0213	EA	6-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,250.14		379.55
33 14 19 00-0214	EA	7' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,384.01		427.00
<b>33 14 19 00-0215 Three Way, Modern Model Fire Hydrant (33 14 19 00-0164)</b>					
Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).					
33 14 19 00-0216	EA	1-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	3,701.81		265.68
33 14 19 00-0217	EA	2' Burial Section, Three Way, Modern Type Fire Hydrant.....	3,787.80		265.68
33 14 19 00-0218	EA	2-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	3,874.05		265.68
33 14 19 00-0219	EA	3' Burial Section, Three Way, Modern Type Fire Hydrant.....	3,979.18		284.66
33 14 19 00-0220	EA	3-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,065.23		284.66
33 14 19 00-0221	EA	4' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,175.06		308.39
33 14 19 00-0222	EA	4-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,261.23		308.39
33 14 19 00-0223	EA	5' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,371.07		332.11
33 14 19 00-0224	EA	5-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,457.15		332.11
33 14 19 00-0225	EA	6' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,566.97		332.11
33 14 19 00-0226	EA	6-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,677.05		379.55
33 14 19 00-0227	EA	7' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,809.55		379.55
<b>33 14 19 00-0228 Two Way, Modern Model Fire Hydrant (33 14 19 00-0164)</b>					
Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).					
33 14 19 00-0229	EA	1-1/2' Burial Section, Two Way, Modern Type Fire Hydrant.....	2,623.55		265.68
33 14 19 00-0230	EA	2' Burial Section, Two Way, Modern Type Fire Hydrant.....	2,688.99		265.68
33 14 19 00-0231	EA	2-1/2' Burial Section, Two Way, Modern Type Fire Hydrant.....	2,755.16		265.68
33 14 19 00-0232	EA	3' Burial Section, Two Way, Modern Type Fire Hydrant.....	2,838.81		284.66
33 14 19 00-0233	EA	3-1/2' Burial Section, Two Way, Modern Type Fire Hydrant.....	2,904.23		284.66
33 14 19 00-0234	EA	4' Burial Section, Two Way, Modern Type Fire Hydrant.....	2,993.38		308.39
33 14 19 00-0235	EA	4-1/2' Burial Section, Two Way, Modern Type Fire Hydrant.....	3,058.78		308.39
33 14 19 00-0236	EA	5' Burial Section, Two Way, Modern Type Fire Hydrant.....	3,148.00		332.11
33 14 19 00-0237	EA	5-1/2' Burial Section, Two Way, Modern Type Fire Hydrant.....	3,213.23		332.11
33 14 19 00-0238	EA	6' Burial Section, Two Way, Modern Type Fire Hydrant.....	3,302.39		355.83
33 14 19 00-0239	EA	6-1/2' Burial Section, Two Way, Modern Type Fire Hydrant.....	3,391.62		379.55
33 14 19 00-0240	EA	7' Burial Section, Two Way, Modern Type Fire Hydrant.....	3,503.68		427.00
<b>33 14 19 00-0241 Fire Hydrant Extension Kits (33 14 19 00-0164)</b>					
33 14 19 00-0242	EA	6" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	542.09		23.72
33 14 19 00-0243	EA	12" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	643.36		29.65
33 14 19 00-0244	EA	18" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	700.10		35.59
33 14 19 00-0245	EA	24" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	794.04		43.89
33 14 19 00-0246	EA	30" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	1,209.38		45.67
33 14 19 00-0247	EA	36" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	1,292.36		47.44
33 14 19 00-0248	EA	42" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	1,311.18		49.82
33 14 19 00-0249	EA	48" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	1,384.51		53.37
33 14 19 00-0250	EA	54" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	1,523.77		64.05
33 14 19 00-0251	EA	60" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	1,603.25		77.09
33 14 19 00-0252	EA	6" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	603.18		26.57

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

33 14 19 00-0253	EA	12" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	713.35	32.27
33 14 19 00-0254	EA	18" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	817.78	38.90
33 14 19 00-0255	EA	24" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	911.88	48.39
33 14 19 00-0256	EA	30" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	1,256.60	50.30
33 14 19 00-0257	EA	36" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	1,340.59	52.19
33 14 19 00-0258	EA	42" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	1,397.75	55.04
33 14 19 00-0259	EA	48" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	1,637.54	58.83
33 14 19 00-0260	EA	54" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	1,791.65	70.22
33 14 19 00-0261	EA	60" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	1,877.12	84.45
<b>33 14 19 00-0262</b>		<b>Removal And Reinstallation Of Standard Fire Hydrant</b> <small>(33 14 19 00-0164)</small>		
		Note: Includes all necessary fittings for resetting, storage and cleaning. Excludes excavation, backfill and thrust blocking around fire hydrant.		
33 14 19 00-0263	EA	Up To 5' Burial Section, Removal And Reinstallation Of Fire Hydrant.....	759.10	
33 14 19 00-0264	EA	>5' Burial Section, Removal And Reinstallation Of Fire Hydrant.....	1,107.03	
33 14 19 00-0265	EA	Reset Fire Hydrant Upper Barrel.....	980.72	
		Note: Includes Safety Repair Kit		
<b>33 14 19 00-0266</b>		<b>Yard Hydrants</b> <small>(33 14 19)</small>		
		Note: With 3/4" hose thread outlet.		
33 14 19 00-0267	EA	2' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet.....	351.02	32.89
33 14 19 00-0268	EA	4' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet.....	377.53	32.89
33 14 19 00-0269	EA	6' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet.....	404.04	32.89
33 14 19 00-0270	EA	2' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	294.65	41.66
33 14 19 00-0271	EA	4' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	308.09	41.66
33 14 19 00-0272	EA	6' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	321.53	41.66
<b>33 14 19 00-0273</b>		<b>Sanitary Yard Hydrants</b> <small>(33 14 19)</small>		
		Note: With 3/4" hose thread outlet.		
33 14 19 00-0274	EA	2' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	1,602.73	68.52
33 14 19 00-0275	EA	4' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	1,685.56	68.52
33 14 19 00-0276	EA	6' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	1,768.40	68.52
<b>33 14 19 00-0277</b>		<b>Flushing Hydrants</b> <small>(33 14 19)</small>		
33 14 19 00-0278	EA	2" Inlet x 2-1/2" Outlet Steel Flushing Hydrant, 3' Bury Depth.....	716.49	42.24
<b>33 14 23</b>		<b>Enclosures for Water Utility Piping and Valves</b> <small>(33 14)</small>		
		See CSI section 22 11 19 00-0376 for Enclosures.		
<b>33 14 23 00-0001</b>		<b>Roadway Utility Box</b> <small>(33 14 23)</small>		
<b>33 14 23 00-0002</b>		<b>Utility Box</b> <small>(33 14 23 00-0001)</small>		
		Note: Christy Concrete Products.		
<b>33 14 23 00-0003</b>		<b>B3 Utility Box, 9-3/8" x 15-1/2"</b> <small>(33 14 23 00-0002)</small>		
33 14 23 00-0004	EA	9-3/8" x 15-1/2" Precast Concrete Utility Box.....	100.45	50.01
33 14 23 00-0005	EA	Cast Iron Lid For 9-3/8" x 15-1/2" Utility Box.....	94.71	5.56
33 14 23 00-0006	EA	Reinforced Concrete Lid For 9-3/8" x 15-1/2" Utility Box.....	40.52	5.56
33 14 23 00-0007	EA	Steel Checkered Plate Cover For 9-3/8" x 15-1/2" Utility Box.....	204.90	5.56
33 14 23 00-0008	EA	12-1/8" x 18-5/8" Reinforced Concrete Slab For 9-3/8" x 15-1/2" Utility Box.....	58.54	11.11
33 14 23 00-0009	EA	3" High Reinforced Concrete Base For 9-3/8" x 15-1/2" Utility Box.....	82.49	11.11
<b>33 14 23 00-0010</b>		<b>B9 Utility Box, 10-1/4" x 17-1/4"</b> <small>(33 14 23 00-0002)</small>		
33 14 23 00-0011	EA	10-1/4" x 17-1/4" Precast Concrete Utility Box.....	122.88	66.69
33 14 23 00-0012	EA	Cast Iron Lid For 10-1/4" x 17-1/4" Utility Box.....	111.01	6.66
33 14 23 00-0013	EA	Reinforced Concrete Lid For 10-1/4" x 17-1/4" Utility Box.....	45.15	6.66
33 14 23 00-0014	EA	Steel Checkered Plate Cover For 10-1/4" x 17-1/4" Utility Box.....	214.86	5.56
33 14 23 00-0015	EA	13" x 19-3/4" Reinforced Concrete Slab For 10-1/4" x 17-1/4" Utility Box.....	65.13	11.11
33 14 23 00-0016	EA	5-3/4" High Reinforced Concrete Base For 10-1/4" x 17-1/4" Utility Box.....	87.82	16.67
33 14 23 00-0017	EA	12" High Reinforced Concrete Extension For 10-1/4" x 17-1/4" Utility Box.....	107.73	30.56
<b>33 14 23 00-0018</b>		<b>B12 Utility Box, 12" x 20"</b> <small>(33 14 23 00-0002)</small>		
33 14 23 00-0019	EA	12" x 20" Precast Concrete Utility Box.....	134.90	72.24
33 14 23 00-0020	EA	Cast Iron Lid For 12" x 20" Utility Box.....	198.64	8.34
33 14 23 00-0021	EA	Reinforced Concrete Lid For 12" x 20" Utility Box.....	61.29	11.11
33 14 23 00-0022	EA	Steel Checkered Plate Cover For 12" x 20" Utility Box.....	290.23	11.11
33 14 23 00-0023	EA	12" High Reinforced Concrete Extension For 12" x 20" Utility Box.....	140.14	38.90
<b>33 14 23 00-0024</b>		<b>B16 Utility Box, 12" x 22-1/4"</b> <small>(33 14 23 00-0002)</small>		
33 14 23 00-0025	EA	12" x 22-1/4" Precast Concrete Utility Box.....	155.51	84.47
33 14 23 00-0026	EA	Cast Iron Lid For 12" x 22-1/4" Utility Box.....	225.03	11.11
33 14 23 00-0027	EA	Reinforced Concrete Lid For 12" x 22-1/4" Utility Box.....	74.87	11.11
33 14 23 00-0028	EA	Steel Checkered Plate Cover For 12" x 22-1/4" Utility Box.....	291.85	11.11
33 14 23 00-0029	EA	16" x 27" Reinforced Concrete Slab For 12" x 22-1/4" Utility Box.....	106.23	18.90
33 14 23 00-0030	EA	12" High Reinforced Concrete Extension For 12" x 22-1/4" Utility Box.....	142.40	38.90
<b>33 14 23 00-0031</b>		<b>B30 Utility Box, 13-1/4" x 24"</b> <small>(33 14 23 00-0002)</small>		

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 14 23 00-0032	EA			13-1/4" x 24" Precast Concrete Utility Box (Christy B30BOX) .....	187.04	100.03
33 14 23 00-0033	EA			Reinforced Concrete Lid For 13-1/4" x 24" Utility Box (Christy B30D).....	101.77	17.79
33 14 23 00-0034	EA			Steel Checkered Plate Cover For 13-1/4" x 24" Utility Box (Christy B30-61G) .....	361.04	14.45
33 14 23 00-0035	EA			16" x 27" Reinforced Concrete Slab For 13-1/4" x 24" Utility Box (Christy B30SL).....	106.23	18.90
33 14 23 00-0036	EA			5-1/2" High Reinforced Concrete Base For 13-1/4" x 24" Utility Box (Christy B30BA).....	163.47	31.13
33 14 23 00-0037	EA			6" High Reinforced Concrete Extension For 13-1/4" x 24" Utility Box (Christy B30X6).....	126.60	21.11
33 14 23 00-0038	EA			12" High Reinforced Concrete Extension For 13-1/4" x 24" Utility Box (Christy B30X12).....	184.39	50.01
<b>33 14 23 00-0039</b>				<b>B36 Utility Box, 17-1/4" x 30"</b> <small>(33 14 23 00-0002)</small>		
33 14 23 00-0040	EA			17-1/4" x 30" Precast Concrete Utility Box (Christy B36BOX) .....	243.77	126.71
33 14 23 00-0041	EA			Reinforced Concrete Lid For 17-1/4" x 30" Utility Box (Christy B36D).....	166.37	30.56
33 14 23 00-0042	EA			Steel Checkered Plate Cover For 17-1/4" x 30" Utility Box (Christy B36-61D) .....	453.59	21.11
33 14 23 00-0043	EA			20" x 34" Reinforced Concrete Slab For 17-1/4" x 30" Utility Box (Christy B36SL).....	154.10	40.01
33 14 23 00-0044	EA			6" High Reinforced Concrete Base For 17-1/4" x 30" Utility Box (Christy B36BA).....	252.98	44.45
33 14 23 00-0045	EA			12" High Reinforced Concrete Extension For 17-1/4" x 30" Utility Box (Christy B36X12).....	245.41	64.47
<b>33 14 23 00-0046</b>				<b>B40 Utility Box, 24-1/2" x 36"</b> <small>(33 14 23 00-0002)</small>		
33 14 23 00-0047	EA			24-1/2" x 36" Precast Concrete Utility Box.....	493.21	195.62
33 14 23 00-0048	EA			Reinforced Concrete Lid For 24-1/2" x 36" Utility Box .....	451.84	73.35
33 14 23 00-0049	EA			Steel Checkered Plate Cover For 24-1/2" x 36" Utility Box .....	645.02	32.23
33 14 23 00-0050	EA			30" x 40" Reinforced Concrete Slab For 24-1/2" x 36" Utility Box.....	372.43	68.91
33 14 23 00-0051	EA			10" High Reinforced Concrete Extension For 24-1/2" x 36" Utility Box.....	394.84	72.24
<b>33 14 23 00-0052</b>				<b>B48 Utility Box, 30-1/4" x 48-1/4"</b> <small>(33 14 23 00-0002)</small>		
33 14 23 00-0053	EA			30-1/4" x 48-1/4" Precast Concrete Utility Box.....	631.48	222.29
33 14 23 00-0054	EA			1 Piece Reinforced Concrete Lid For 30-1/4" x 48-1/4" Utility Box .....	629.53	121.14
33 14 23 00-0055	EA			2 Piece Reinforced Concrete Lid For 30-1/4" x 48-1/4" Utility Box .....	783.16	121.14
33 14 23 00-0056	EA			2 Piece Steel Checkered Plate Cover For 30-1/4" x 48-1/4" Utility Box.....	1,022.67	55.58
33 14 23 00-0057	EA			36" x 53" Reinforced Concrete Slab For 30-1/4" x 48-1/4" Utility Box.....	557.95	150.04
33 14 23 00-0058	EA			10" High Reinforced Concrete Extension For 30-1/4" x 48-1/4" Utility Box.....	491.98	101.14
<b>33 14 23 00-0059</b>				<b>Roadway Or Curb Valve Boxes</b> <small>(33 14 23)</small>		
				See CSI section 22 05 19 00-0000 for metering.		
<b>33 14 23 00-0060</b>				<b>Round Head, Cast Iron Service, Roadway Or Valve Boxes</b> <small>(33 14 23 00-0059)</small>		
33 14 23 00-0061	EA			36" To 48" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	267.73	13.32
				Note: Includes cover, top section and bottom section.		
33 14 23 00-0062	EA			36" To 54" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	313.09	13.32
				Note: Includes cover, top section and bottom section.		
33 14 23 00-0063	EA			42" To 60" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	315.18	13.32
				Note: Includes cover, top section and bottom section.		
33 14 23 00-0064	EA			9" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box .....	77.94	6.66
33 14 23 00-0065	EA			16" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box .....	89.95	6.66
33 14 23 00-0066	EA			24" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box .....	108.02	6.66
33 14 23 00-0067	EA			36" To 48" High, Screw Type, 4-1/4" Shaft, Round Head, Cast Iron Roadway Box.....	407.00	16.66
				Note: Includes cover, top section and bottom section.		
33 14 23 00-0068	EA			45" To 54" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box .....	710.20	23.32
				Note: Includes cover, top section, bottom section and #6 round base.		
33 14 23 00-0069	EA			45" To 66" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box .....	794.81	23.32
				Note: Includes cover, top section, bottom section and #6 round base.		
33 14 23 00-0070	EA			24" To 36" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	423.78	16.66
				Note: Includes cover, top section and bottom section.		
33 14 23 00-0071	EA			36" To 48" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	444.00	16.66
				Note: Includes cover, top section and bottom section.		
33 14 23 00-0072	EA			24" To 36" High, Two Piece, Slip Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	428.55	16.66
				Note: Includes cover, top section and bottom section.		
33 14 23 00-0073	EA			12" Extension For Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box .....	154.72	6.66
33 14 23 00-0074	EA			18" To 24" High Round Head Cast Iron Roadway Or Curb Valve Boxes .....	253.81	27.41
33 14 23 00-0075	EA			22" To 28" High Round Head Cast Iron Roadway Or Curb Valve Boxes .....	262.99	28.51
33 14 23 00-0076	EA			30" To 36" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	292.95	29.59
33 14 23 00-0077	EA			36" To 48" High Round Head Cast Iron Roadway Or Curb Valve Box .....	409.28	31.25
33 14 23 00-0078	EA			48" To 60" High Round Head Cast Iron Roadway Or Curb Valve Boxes .....	495.60	32.89
33 14 23 00-0079	EA			18" Cast Iron Service Box Extension Section .....	117.49	
<b>33 14 23 00-0080</b>				<b>Plastic Roadway Grade Water Meter Box And Cover</b> <small>(33 14 23 00-0059)</small>		
33 14 23 00-0081	EA			12" Wide x 16" Long x 16" Deep Plastic Meter Box And Cover .....	266.27	38.37
33 14 23 00-0082	EA			9-3/4" Wide x 19-1/4" Long x 16" Deep Oval Plastic Meter Box And Cover .....	199.99	27.41
33 14 23 00-0083	EA			Cast Iron Lid For Plastic Meter Box .....	59.11	
<b>33 14 23 00-0084</b>				<b>Traffic Valve Box And Lid</b> <small>(33 14 23 00-0059)</small>		
33 14 23 00-0085	EA			10-3/8" ID x 12" Traffic Valve Box And 11" OD Cast Iron Lid (Christy G-5).....	187.71	
33 14 23 00-0086	EA			14-1/2" ID x 12" Traffic Valve Box And 13-1/4" OD Cast Iron Lid (Christy G-12).....	592.74	

### 33 16 Water Utility Storage Tanks (33 10)

#### 33 16 23 Ground-Level Steel Water Storage Tanks (33 16)

See CSI section 23 13 23 16-0000 for aboveground steel storage tanks.

**33 Utilities****33 10 Water Utilities****33 19 Water Utility Metering Equipment**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST
**33 19 Water Utility Metering Equipment** (33 19)**33 19 13 Positive Displacement Water Meters** (33 19)**33 19 13 23 Nutating Disc Water Meters** (33 19 13)**33 19 13 23-0001 Bronze Disk Type Water Service Meters** (33 19 13 23)

33 19 13 23-0002	EA	5/8" Diameter, 0 To 20 GPM, Screwed, Disk Type, Bronze Water Supply Meter	304.17	57.00
33 19 13 23-0003	EA	3/4" Diameter, 0 To 30 GPM, Screwed, Disk Type, Bronze Water Supply Meter	382.61	67.97
33 19 13 23-0004	EA	1" Diameter, 0 To 50 GPM, Screwed, Disk Type, Bronze Water Supply Meter	514.80	77.83
33 19 13 23-0005	EA	1-1/2" Diameter, 0 To 100 GPM, Screwed, Disk Type, Bronze Water Supply Meter	1,004.13	116.20
33 19 13 23-0006	EA	2" Diameter, 0 To 160 GPM, Screwed, Disk Type, Bronze Water Supply Meter	1,360.97	151.28

**33 19 13 23-0007 Magnetic Driven, Positive Displacement Type Water Service Meters** (33 19 13 23)

33 19 13 23-0008	EA	5/8" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max. (Neptune T10 E-Coder/R900i)	476.39	57.00
		<i>For Owner Furnished Material, Deduct</i>	-418.69	
33 19 13 23-0009	EA	3/4" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max. (Neptune T10 E-Coder/R900i)	543.46	67.97
		<i>For Owner Furnished Material, Deduct</i>	-474.94	
33 19 13 23-0010	EA	1" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max. (Neptune T10 E-Coder/R900i)	807.06	77.83
		<i>For Owner Furnished Material, Deduct</i>	-728.75	
33 19 13 23-0011	EA	1-1/2" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max. (Neptune T10 E-Coder/R900i)	1,364.38	116.20
		<i>For Owner Furnished Material, Deduct</i>	-1,247.76	
33 19 13 23-0012	EA	2" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max. (Neptune T10 E-Coder/R900i)	1,689.86	151.28
		<i>For Owner Furnished Material, Deduct</i>	-1,537.60	
33 19 13 23-0013	EA	Electronic Transmitter	384.21	27.41
		Note: For use with transmitting meter valve.		
		<i>For Owner Furnished Material, Deduct</i>	-356.80	

**33 19 16 Velocity-Type Water Meters** (33 19)**33 19 16 23 Turbine Water Meters** (33 19 16)**33 19 16 23-0001 Flanged Turbine Water Service Meter** (33 19 16 23)**33 19 16 23-0002 Vertical Turbine Meters** (33 19 16 23-0001)

33 19 16 23-0003	EA	1-1/2" Diameter, 0 - 100 GPM Vertical Turbine Meter, Flanged	619.21	106.00
33 19 16 23-0004	EA	2" Diameter, 0 - 160 GPM Vertical Turbine Meter, Flanged	861.55	134.57
33 19 16 23-0005	EA	3" Diameter, 0 - 350 GPM Vertical Turbine Meter, Flanged	1,441.39	171.63
33 19 16 23-0006	EA	4" Diameter, 0 - 650 GPM Vertical Turbine Meter, Flanged	2,220.07	325.07
33 19 16 23-0007	EA	6" Diameter, 0 - 1,300 GPM Vertical Turbine Meter, Flanged	4,082.36	363.44

**33 19 16 23-0008 Horizontal Turbine Meters** (33 19 16 23-0001)

33 19 16 23-0009	EA	1-1/2" Diameter, 0 - 120 GPM Horizontal Turbine Meter, Flanged	943.46	106.00
33 19 16 23-0010	EA	2" Diameter, 0 - 160 GPM Horizontal Turbine Meter, Flanged	1,324.45	134.57
33 19 16 23-0011	EA	3" Diameter, 0 - 600 GPM Horizontal Turbine Meter, Flanged	1,626.98	171.63
33 19 16 23-0012	EA	4" Diameter, 0 - 1,000 GPM Horizontal Turbine Meter, Flanged	2,465.39	325.07
33 19 16 23-0013	EA	6" Diameter, 0 - 2,000 GPM Horizontal Turbine Meter, Flanged	4,976.17	363.44
33 19 16 23-0014	EA	8" Diameter, 0 - 3,500 GPM Horizontal Turbine Meter, Flanged	6,658.63	464.39
33 19 16 23-0015	EA	10" Diameter, 0 - 5,500 GPM Horizontal Turbine Meter, Flanged	9,312.01	565.35
33 19 16 23-0016	EA	12" Diameter, 0 - 6,600 GPM Horizontal Turbine Meter, Flanged	11,941.20	1,140.79

**33 19 19 Compound Water Meters** (33 19)**33 19 19 00-0001 Flanged Compound Type Water Service Meter** (33 19 19)

33 19 19 00-0002	EA	2" Diameter, 0 To 160 GPM, Flanged And Bronze, Compound Type Water Service Meter	2,435.85	134.57
33 19 19 00-0003	EA	3" Diameter, 0 To 320 GPM, Flanged And Bronze, Compound Type Water Service Meter	2,845.04	171.63
33 19 19 00-0004	EA	4" Diameter, 0 To 500 GPM, Flanged And Bronze, Compound Type Water Service Meter	4,777.78	325.07
33 19 19 00-0005	EA	6" Diameter, 0 To 1,000 GPM, Flanged And Bronze, Compound Type Water Service Meter	6,584.60	363.44
33 19 19 00-0006	EA	8" Diameter, 0 To 1,600 GPM, Flanged And Bronze, Compound Type Water Service Meter	13,589.40	464.39
33 19 19 00-0007	EA	10" Diameter, 0 To 2,500 GPM, Flanged And Bronze, Compound Type Water Service Meter	23,318.60	565.35

**33 19 23 Magnetic Water Meters** (33 19)**33 19 23 00-0001 Flanged Electromagnetic Flow (EMF) Water Meter** (33 19 23)

33 19 23 00-0002	EA	2" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG)	7,085.97	134.57
33 19 23 00-0003	EA	3" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG)	9,796.30	171.63
33 19 23 00-0004	EA	4" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG)	11,248.01	325.07

**33 30 Sanitary Sewerage Utilities** (33)**33 31 Sanitary Sewerage Piping** (33 30)**33 31 11 Public Sanitary Sewerage Gravity Piping** (33 31)

Note: Piping includes hydrostatic testing, disinfecting and warning tape. Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

**33 31 11 00-0001 Plastic Sewer And Drain Piping** (33 31 11)**33 31 11 00-0002 Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe** (33 31 11 00-0001)

33 31 11 00-0003	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	9.17	3.79
33 31 11 00-0004	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	11.11	4.47

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0005 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe .....	15.31	5.41
33 31 11 00-0006 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe .....	19.07	6.32
33 31 11 00-0007 LF 6" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe .....	25.93	7.35
33 31 11 00-0008 LF 8" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe .....	34.58	8.54
33 31 11 00-0009 LF 10" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe .....	46.88	8.84
33 31 11 00-0010 LF 12" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe .....	61.25	9.16
<b>33 31 11 00-0011 Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe (33 31 11 00-0001)</b>		
Note: D-2729 PVC pipe.		
33 31 11 00-0012 LF 3" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe .....	11.89	5.41
33 31 11 00-0013 LF 4" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe .....	13.95	6.32
33 31 11 00-0014 LF 6" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe .....	17.28	7.35
<b>33 31 11 00-0015 Polyvinyl Chloride (PVC) Sewer And Drain Fittings (33 31 11 00-0001)</b>		
<b>33 31 11 00-0016 1/4 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)</b>		
33 31 11 00-0017 EA 1-1/2" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	24.83	12.80
33 31 11 00-0018 EA 2" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	31.93	16.55
33 31 11 00-0019 EA 3" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	55.60	22.23
33 31 11 00-0020 EA 4" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	85.62	25.69
33 31 11 00-0021 EA 6" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	336.92	33.39
33 31 11 00-0022 EA 8" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	558.62	44.94
33 31 11 00-0023 EA 10" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	737.50	59.84
<b>33 31 11 00-0024 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)</b>		
33 31 11 00-0025 EA 1-1/2" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	26.13	12.80
33 31 11 00-0026 EA 2" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	31.82	16.55
33 31 11 00-0027 EA 3" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	53.65	22.23
33 31 11 00-0028 EA 4" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	76.09	25.69
33 31 11 00-0029 EA 6" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	312.65	33.39
33 31 11 00-0030 EA 8" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	502.21	44.94
33 31 11 00-0031 EA 10" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	571.56	59.84
33 31 11 00-0032 EA 12" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	848.95	79.70
<b>33 31 11 00-0033 Long Sweep 1/4 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)</b>		
33 31 11 00-0034 EA 1-1/2" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	40.41	12.61
33 31 11 00-0035 EA 2" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	41.03	16.55
33 31 11 00-0036 EA 3" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	79.75	22.71
33 31 11 00-0037 EA 4" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	131.55	27.71
33 31 11 00-0038 EA 6" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	251.92	32.04
33 31 11 00-0039 EA 8" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	437.21	36.56
33 31 11 00-0040 EA 10" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	709.73	42.62
33 31 11 00-0041 EA 12" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	1,069.27	49.68
<b>33 31 11 00-0042 1/16 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)</b>		
33 31 11 00-0043 EA 1-1/2" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	28.91	12.80
33 31 11 00-0044 EA 2" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	34.64	16.55
33 31 11 00-0045 EA 3" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	61.76	22.23
33 31 11 00-0046 EA 4" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	91.13	25.69
33 31 11 00-0047 EA 6" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	417.66	33.39
33 31 11 00-0048 EA 8" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	676.15	44.94
33 31 11 00-0049 EA 10" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	764.26	59.84
33 31 11 00-0050 EA 12" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	784.72	79.70
<b>33 31 11 00-0051 Reducers, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)</b>		
33 31 11 00-0052 EA 2" x 1-1/2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain .....	33.21	14.60
33 31 11 00-0053 EA 3" x 1-1/2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain .....	62.14	17.43
33 31 11 00-0054 EA 3" x 2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain .....	58.98	19.23
33 31 11 00-0055 EA 4" x 2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain .....	91.15	21.01
33 31 11 00-0056 EA 4" x 3" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain .....	98.09	23.84
33 31 11 00-0057 EA 6" x 4" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain .....	297.09	29.51
33 31 11 00-0058 EA 8" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain .....	629.42	39.13
33 31 11 00-0059 EA 10" x 4" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain .....	160.85	42.72
33 31 11 00-0060 EA 10" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain .....	220.83	46.60
33 31 11 00-0061 EA 10" x 8" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain .....	208.01	52.33
33 31 11 00-0062 EA 12" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain .....	655.72	56.57
33 31 11 00-0063 EA 12" x 8" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain .....	692.83	62.30
33 31 11 00-0064 EA 12" x 10" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain .....	734.03	69.77
<b>33 31 11 00-0065 Sanitary Tees, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)</b>		
33 31 11 00-0066 EA 1-1/2" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain .....	39.06	19.34
33 31 11 00-0067 EA 2" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain .....	51.86	25.02
33 31 11 00-0068 EA 3" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain .....	87.89	33.00
33 31 11 00-0069 EA 4" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain .....	134.58	40.99
33 31 11 00-0070 EA 6" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain .....	492.75	44.94
33 31 11 00-0071 EA 8" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain .....	639.74	59.84

**33 Utilities****33 30 Sanitary Sewerage Utilities****33 31 Sanitary Sewerage Piping**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0072			<b>Wyes, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)</b>		
33 31 11 00-0073	EA		1-1/2" Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	49.12	19.34
33 31 11 00-0074	EA		2" Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	57.72	25.02
33 31 11 00-0075	EA		3" Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	95.37	33.00
33 31 11 00-0076	EA		4" Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	146.82	40.99
33 31 11 00-0077	EA		6" Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	446.81	44.94
33 31 11 00-0078	EA		8" Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	552.47	59.84
33 31 11 00-0079	EA		10" Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	726.84	79.85
33 31 11 00-0080	EA		12" Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	1,145.90	106.57
33 31 11 00-0081			<b>Reducing Wyes, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)</b>		
33 31 11 00-0082	EA		2" x 1-1/2" x 1-1/2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	64.94	19.34
33 31 11 00-0083	EA		2" x 2" x 1" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	73.11	25.02
33 31 11 00-0084	EA		3" x 3" x 2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	84.97	33.00
33 31 11 00-0085	EA		4" x 4" x 2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	130.02	40.99
33 31 11 00-0086	EA		4" x 4" x 3" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	141.51	40.99
33 31 11 00-0087			<b>Double Wyes, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)</b>		
33 31 11 00-0088	EA		1-1/2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	80.37	25.02
33 31 11 00-0089	EA		2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	104.69	33.00
33 31 11 00-0090	EA		3" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	209.26	44.55
33 31 11 00-0091	EA		4" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	369.70	53.88
33 31 11 00-0092	EA		2" x 2" x 1-1/2" x 1-1/2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	99.92	33.00
33 31 11 00-0093	EA		3" x 3" x 2" x 2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	172.85	44.55
33 31 11 00-0094	EA		4" x 4" x 3" x 3" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	309.56	53.88
33 31 11 00-0095			<b>Combination Wye And 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)</b>		
33 31 11 00-0096	EA		1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	61.69	19.34
33 31 11 00-0097	EA		2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	77.33	25.02
33 31 11 00-0098	EA		3" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	154.31	33.00
33 31 11 00-0099	EA		4" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	279.00	40.99
33 31 11 00-0100	EA		2" x 2" x 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	120.02	25.02
33 31 11 00-0101	EA		3" x 3" x 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	192.98	33.00
33 31 11 00-0102	EA		3" x 3" x 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	139.19	33.00
33 31 11 00-0103	EA		4" x 4" x 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	260.88	40.99
33 31 11 00-0104	EA		4" x 4" x 3" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	277.46	40.99
33 31 11 00-0105			<b>Double Combination Wye And 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)</b>		
33 31 11 00-0106	EA		1-1/2" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	90.12	25.02
33 31 11 00-0107	EA		2" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	105.77	33.00
33 31 11 00-0108	EA		3" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	164.51	44.55
33 31 11 00-0109	EA		4" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	595.71	53.88
33 31 11 00-0110	EA		6" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	1,958.73	59.65
33 31 11 00-0111			<b>Cleanout Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)</b>		
33 31 11 00-0112	EA		4" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain .....	472.05	102.22
33 31 11 00-0113	EA		6" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain .....	1,123.85	131.88
33 31 11 00-0114	EA		8" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain .....	1,431.82	185.84
33 31 11 00-0115	EA		10" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain .....	1,977.73	298.95
33 31 11 00-0116			<b>Couplings, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)</b>		
33 31 11 00-0117	EA		1-1/2" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain .....	24.15	12.80
33 31 11 00-0118	EA		2" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain .....	30.16	16.45
33 31 11 00-0119	EA		3" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain .....	47.22	22.04
33 31 11 00-0120	EA		4" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain .....	61.70	25.69
33 31 11 00-0121	EA		6" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain .....	178.21	33.39
33 31 11 00-0122	EA		8" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain .....	437.36	44.94
33 31 11 00-0123	EA		10" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain .....	663.18	59.84
33 31 11 00-0124	EA		12" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain .....	1,096.41	79.70
33 31 11 00-0125			<b>Adapters, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)</b>		
33 31 11 00-0126	EA		4" Male, Plastic Pipe x Malleable Iron Pipe Adapter, Drain And Sewer Fitting .....	122.61	70.87
33 31 11 00-0127	EA		2" x 3" x 3" Downspout Adapter, Drain And Sewer Fitting .....	86.33	53.91
33 31 11 00-0128	EA		2" x 3" x 4" Downspout Adapter, Drain And Sewer Fitting .....	88.71	53.91
33 31 11 00-0129	EA		3" x 4" x 4" Downspout Adapter, Drain And Sewer Fitting .....	95.04	53.91
33 31 11 00-0130	EA		4" Hub, Cast Iron Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting .....	124.35	70.87
33 31 11 00-0131	EA		4" Spigot, Clay Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting .....	119.29	70.87
33 31 11 00-0132	EA		4" Spigot, Fiberglass Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting .....	110.96	70.87
33 31 11 00-0133	EA		4" Drain Grate, Drain And Sewer Fitting .....	60.82	36.44
33 31 11 00-0134			<b>Caps, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)</b>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0135	EA		3" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting.....	35.16	13.76
33 31 11 00-0136	EA		4" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting.....	58.56	17.13
33 31 11 00-0137	EA		6" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting.....	111.84	22.13
<b>33 31 11 00-0138</b>			<b>Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)</b>		
33 31 11 00-0139	EA		1-1/2" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	22.09	12.80
33 31 11 00-0140	EA		2" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	28.76	16.55
33 31 11 00-0141	EA		3" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	42.79	22.23
33 31 11 00-0142	EA		4" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	56.57	25.69
33 31 11 00-0143	EA		6" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	97.84	33.39
33 31 11 00-0144	EA		8" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	374.65	44.94
<b>33 31 11 00-0145</b>			<b>Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe (33 31 11 00-0001)</b>		
Note: ASTM 3034.					
33 31 11 00-0146	LF		4" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe.....	16.58	6.32
33 31 11 00-0147	LF		6" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe.....	22.21	7.35
33 31 11 00-0148	LF		8" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe.....	29.85	8.54
33 31 11 00-0149	LF		10" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe.....	36.84	8.84
33 31 11 00-0150	LF		12" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe.....	45.28	9.16
33 31 11 00-0151	LF		15" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe.....	59.41	9.48
33 31 11 00-0152	LF		18" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe.....	75.58	9.83
33 31 11 00-0153	LF		21" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe.....	98.46	10.66
33 31 11 00-0154	LF		24" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe.....	119.62	11.51
33 31 11 00-0155	LF		27" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe.....	148.85	13.51
<b>33 31 11 00-0156</b>			<b>Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe (33 31 11 00-0001)</b>		
Note: ASTM 3034.					
33 31 11 00-0157	LF		4" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe.....	15.10	6.32
33 31 11 00-0158	LF		6" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe.....	19.63	7.35
33 31 11 00-0159	LF		8" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe.....	25.69	8.54
<b>33 31 11 00-0160</b>			<b>Gasketed SDR 35 Polyvinyl Chloride (PVC) Fittings (33 31 11 00-0001)</b>		
Note: ASTM 3034.					
<b>33 31 11 00-0161</b>			<b>1/4 Bends, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0160)</b>		
33 31 11 00-0162	EA		4" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	77.31	23.40
33 31 11 00-0163	EA		6" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	115.80	27.21
33 31 11 00-0164	EA		8" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	246.54	30.84
33 31 11 00-0165	EA		10" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	715.80	36.28
33 31 11 00-0166	EA		12" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	925.08	46.26
<b>33 31 11 00-0167</b>			<b>1/8 Bends, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0160)</b>		
33 31 11 00-0168	EA		4" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	69.44	23.40
33 31 11 00-0169	EA		6" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	107.12	27.21
33 31 11 00-0170	EA		8" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	224.59	30.84
33 31 11 00-0171	EA		10" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	509.16	36.28
33 31 11 00-0172	EA		12" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	728.60	46.26
33 31 11 00-0173	EA		15" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,567.72	65.30
33 31 11 00-0174	EA		18" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	2,489.20	92.52
33 31 11 00-0175	EA		21" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	4,158.62	122.45
33 31 11 00-0176	EA		24" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	5,670.98	163.26
<b>33 31 11 00-0177</b>			<b>Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0160)</b>		
33 31 11 00-0178	EA		4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	117.07	35.11
33 31 11 00-0179	EA		6" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	191.62	38.91
33 31 11 00-0180	EA		6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	215.85	40.81
33 31 11 00-0181	EA		8" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	238.70	42.72
33 31 11 00-0182	EA		8" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	274.12	44.62
33 31 11 00-0183	EA		8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	532.04	46.53
33 31 11 00-0184	EA		10" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	683.60	47.62
33 31 11 00-0185	EA		10" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	775.54	49.89
33 31 11 00-0186	EA		10" x 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,149.11	51.79
33 31 11 00-0187	EA		10" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,500.09	54.42
33 31 11 00-0188	EA		12" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	841.25	57.96
33 31 11 00-0189	EA		12" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	893.37	59.87
33 31 11 00-0190	EA		12" x 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,279.03	61.77
33 31 11 00-0191	EA		12" x 10" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,849.37	64.40
33 31 11 00-0192	EA		12" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	2,084.69	69.38
<b>33 31 11 00-0193</b>			<b>Wyes, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0160)</b>		
33 31 11 00-0194	EA		4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	110.96	35.11
33 31 11 00-0195	EA		6" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	171.26	38.91
33 31 11 00-0196	EA		6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	188.51	40.81
33 31 11 00-0197	EA		8" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	229.97	42.72
33 31 11 00-0198	EA		8" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	263.71	44.62
33 31 11 00-0199	EA		8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	407.65	46.53
33 31 11 00-0200	EA		10" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	624.49	47.98
33 31 11 00-0201	EA		10" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	636.86	49.89

## 33 Utilities

## 33 30 Sanitary Sewerage Utilities

## 33 31 Sanitary Sewerage Piping

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0202	EA		10" x 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	962.40	51.79
33 31 11 00-0203	EA		10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	1,065.46	54.42
33 31 11 00-0204	EA		12" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	791.97	57.96
33 31 11 00-0205	EA		12" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	816.82	59.87
33 31 11 00-0206	EA		12" x 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	1,174.11	61.77
33 31 11 00-0207	EA		12" x 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,416.59	64.40
33 31 11 00-0208	EA		12" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	1,478.70	69.38
33 31 11 00-0209	EA		15" x 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,822.73	83.45
33 31 11 00-0210	EA		15" x 12" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	2,022.96	88.44
33 31 11 00-0211	EA		15" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	2,531.52	97.95
<b>33 31 11 00-0212</b>			<b>Couplings, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0160)</b>		
33 31 11 00-0213	EA		4" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	76.62	23.40
33 31 11 00-0214	EA		6" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	120.44	27.21
33 31 11 00-0215	EA		8" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	179.23	31.02
33 31 11 00-0216	EA		10" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	343.52	36.28
33 31 11 00-0217	EA		12" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	488.35	46.26
33 31 11 00-0218	EA		15" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	959.72	65.30
33 31 11 00-0219	EA		18" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,810.55	92.52
33 31 11 00-0220	EA		21" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	3,026.91	122.45
33 31 11 00-0221	EA		24" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	4,384.35	163.26
<b>33 31 11 00-0222</b>			<b>Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0160)</b>		
33 31 11 00-0223	EA		6" x 4" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	150.11	25.31
33 31 11 00-0224	EA		8" x 4" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	216.71	27.21
33 31 11 00-0225	EA		8" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	228.45	29.11
33 31 11 00-0226	EA		10" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	520.68	31.74
33 31 11 00-0227	EA		10" x 8" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	598.93	33.65
33 31 11 00-0228	EA		12" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	669.36	36.73
33 31 11 00-0229	EA		12" x 8" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	768.87	38.64
33 31 11 00-0230	EA		12" x 10" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	882.13	41.27
33 31 11 00-0231	EA		15" x 12" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,329.26	55.78
<b>33 31 11 00-0232</b>			<b>Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0160)</b>		
33 31 11 00-0233	EA		6" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	123.08	
33 31 11 00-0234	EA		8" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	163.17	
33 31 11 00-0235	EA		8" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	166.94	
33 31 11 00-0236	EA		10" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	279.15	
33 31 11 00-0237	EA		10" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	294.93	
33 31 11 00-0238	EA		10" x 8" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	566.47	
33 31 11 00-0239	EA		12" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	317.44	
33 31 11 00-0240	EA		12" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	347.03	
33 31 11 00-0241	EA		12" x 8" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	785.42	
33 31 11 00-0242	EA		12" x 10" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	927.88	
33 31 11 00-0243	EA		15" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	362.12	
33 31 11 00-0244	EA		15" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	387.94	
<b>33 31 11 00-0245</b>			<b>Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0160)</b>		
33 31 11 00-0246	EA		6" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	131.92	
33 31 11 00-0247	EA		8" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	163.17	
33 31 11 00-0248	EA		8" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	178.97	
33 31 11 00-0249	EA		10" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	255.74	
33 31 11 00-0250	EA		10" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	293.04	
33 31 11 00-0251	EA		10" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	448.61	
33 31 11 00-0252	EA		12" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	315.57	
33 31 11 00-0253	EA		12" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	345.25	
33 31 11 00-0254	EA		12" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	521.53	
33 31 11 00-0255	EA		12" x 10" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	636.58	
33 31 11 00-0256	EA		15" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	360.96	
33 31 11 00-0257	EA		15" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	379.19	
33 31 11 00-0258	EA		15" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	639.85	
33 31 11 00-0259	EA		15" x 10" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	709.28	
33 31 11 00-0260	EA		15" x 12" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	1,007.69	
<b>33 31 11 00-0261</b>			<b>Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe and Fittings (33 31 11 00-0001)</b>		
			Note: ASTM F949.		
<b>33 31 11 00-0262</b>			<b>Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe (33 31 11 00-0261)</b>		
33 31 11 00-0263	LF		4" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe.....	14.35	6.32
33 31 11 00-0264	LF		6" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe.....	19.07	7.35
33 31 11 00-0265	LF		8" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe.....	23.63	8.54
33 31 11 00-0266	LF		10" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe.....	27.12	8.84
33 31 11 00-0267	LF		12" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe.....	28.55	9.16
33 31 11 00-0268	LF		15" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe.....	32.70	9.48
33 31 11 00-0269	LF		18" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe.....	40.14	9.83
33 31 11 00-0270	LF		21" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe.....	46.29	10.66



MINOR	DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 31 11 00-0271	LF	24" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe.....	55.67	11.51
33 31 11 00-0272	LF	30" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe.....	79.21	15.49

**33 31 11 00-0273 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)** <sup>(33 31 11 00-0261)</sup>

33 31 11 00-0274	EA	4" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) .....	46.20	
33 31 11 00-0275	EA	6" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) .....	61.37	
33 31 11 00-0276	EA	8" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) .....	83.67	
33 31 11 00-0277	EA	10" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	137.27	
33 31 11 00-0278	EA	12" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	149.24	
33 31 11 00-0279	EA	15" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	242.66	
33 31 11 00-0280	EA	18" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	379.47	
33 31 11 00-0281	EA	21" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	529.35	
33 31 11 00-0282	EA	24" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	679.19	
33 31 11 00-0283	EA	30" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	890.37	

**33 31 11 00-0284 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)** <sup>(33 31 11 00-0261)</sup>

33 31 11 00-0285	EA	4" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) .....	43.62	
33 31 11 00-0286	EA	6" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) .....	57.55	
33 31 11 00-0287	EA	8" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) .....	78.11	
33 31 11 00-0288	EA	10" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	126.83	
33 31 11 00-0289	EA	12" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	138.30	
33 31 11 00-0290	EA	15" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	223.34	
33 31 11 00-0291	EA	18" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	347.96	
33 31 11 00-0292	EA	21" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	482.59	
33 31 11 00-0293	EA	24" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	617.25	
33 31 11 00-0294	EA	30" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	807.72	

**33 31 11 00-0295 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)** <sup>(33 31 11 00-0261)</sup>

33 31 11 00-0296	EA	4" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	39.75	
33 31 11 00-0297	EA	6" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	49.49	
33 31 11 00-0298	EA	8" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	74.00	
33 31 11 00-0299	EA	10" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	93.34	
33 31 11 00-0300	EA	12" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	126.69	
33 31 11 00-0301	EA	15" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	202.81	
33 31 11 00-0302	EA	18" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	293.97	
33 31 11 00-0303	EA	21" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	434.75	
33 31 11 00-0304	EA	24" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	575.53	
33 31 11 00-0305	EA	30" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	805.74	

**33 31 11 00-0306 Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)** <sup>(33 31 11 00-0261)</sup>

33 31 11 00-0307	EA	4" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	71.57	
33 31 11 00-0308	EA	6" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	91.41	
33 31 11 00-0309	EA	8" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	155.23	
33 31 11 00-0310	EA	10" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	243.49	
33 31 11 00-0311	EA	12" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	395.30	
33 31 11 00-0312	EA	15" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	561.47	
33 31 11 00-0313	EA	18" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	811.53	
33 31 11 00-0314	EA	21" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	930.20	
33 31 11 00-0315	EA	24" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	1,048.82	
33 31 11 00-0316	EA	30" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	1,872.63	

**33 31 11 00-0317 Tees, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)** <sup>(33 31 11 00-0261)</sup>

33 31 11 00-0318	EA	4" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	66.29	
33 31 11 00-0319	EA	6" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	84.16	
33 31 11 00-0320	EA	8" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	140.42	
33 31 11 00-0321	EA	10" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	218.19	
33 31 11 00-0322	EA	12" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	350.83	
33 31 11 00-0323	EA	15" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	497.30	
33 31 11 00-0324	EA	18" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	717.58	
33 31 11 00-0325	EA	21" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	821.22	
33 31 11 00-0326	EA	24" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	924.84	
33 31 11 00-0327	EA	30" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	1,639.71	

**33 31 11 00-0328 Couplings And Plug Fittings** <sup>(33 31 11)</sup>

**33 31 11 00-0329 Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Couplings** <sup>(33 31 11 00-0328)</sup>

Note: For cast iron or plastic to cast iron to plastic pipe. Includes stainless steel clamps.

33 31 11 00-0330	EA	1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-150) .....	18.53	6.66
33 31 11 00-0331	EA	2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-22) .....	20.28	7.78
33 31 11 00-0332	EA	3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-33) .....	23.42	8.89
33 31 11 00-0333	EA	4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-44) .....	26.50	9.45
33 31 11 00-0334	EA	5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-55) .....	32.31	10.00
33 31 11 00-0335	EA	6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-66) .....	38.16	11.11

**33 Utilities****33 30 Sanitary Sewerage Utilities****33 31 Sanitary Sewerage Piping**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

33 31 11 00-0336	EA	8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-88)	48.31	12.23
33 31 11 00-0337	EA	10" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1010)	59.47	12.78
33 31 11 00-0338	EA	12" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1212)	97.52	13.34
33 31 11 00-0339	EA	15" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1515)	132.39	14.45
33 31 11 00-0340	EA	18" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1818)	254.19	15.00
33 31 11 00-0341	EA	21" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2121)	295.18	15.84
33 31 11 00-0342	EA	24" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2424)	326.94	16.67
33 31 11 00-0343	EA	27" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2727)	391.53	17.79

**33 31 11 00-0344 Cast Iron Service Saddles With U Bolt (33 31 11)**

33 31 11 00-0345	EA	2" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt	110.85	
33 31 11 00-0346	EA	3" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt	111.40	
33 31 11 00-0347	EA	3" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt	122.70	
33 31 11 00-0348	EA	4" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt	118.55	
33 31 11 00-0349	EA	4" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt	133.56	
33 31 11 00-0350	EA	4" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt	149.94	
33 31 11 00-0351	EA	4" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt	177.50	
33 31 11 00-0352	EA	6" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt	149.81	
33 31 11 00-0353	EA	6" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt	163.73	
33 31 11 00-0354	EA	6" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt	189.02	
33 31 11 00-0355	EA	2" Diameter x 2" Tapped Wye Cast Iron Service Saddle With U Bolt	152.72	
33 31 11 00-0356	EA	4" Diameter x 1-1/2" Tapped Wye Cast Iron Service Saddle With U Bolt	121.61	
33 31 11 00-0357	EA	4" Diameter x 2" Tapped Wye Cast Iron Service Saddle With U Bolt	132.91	
33 31 11 00-0358	EA	4" Diameter x 3" Hub Wye Cast Iron Service Saddle With U Bolt	157.09	
33 31 11 00-0359	EA	4" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt	186.29	
33 31 11 00-0360	EA	6" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt	199.97	

**33 32 Sanitary Sewerage Equipment (33 30)****33 32 16 Packaged Wastewater Grinder Pump Assemblies (33 32)****33 32 16 00-0001 Submersible Grinder Pumps, Cast Iron With Bronze Impeller (33 32 16)**

33 32 16 00-0002	EA	2 HP Submersible Grinder Pump, 200/208, 230 Volt, 1 Phase, 3450 RPM, 1-1/2" Threaded Discharge Note: Zoeller 840 series.	2,143.28	329.13
33 32 16 00-0003	EA	2 HP Submersible Grinder Pump, 200/208, 230, 460 Volt, 3 Phase, 3450 RPM, 1-1/2" Threaded Discharge Note: Zoeller 840 series.	2,112.58	329.13
33 32 16 00-0004	EA	Simplex Control Panel With Auto Reversing Switch Note: For Zoeller 840 series grinder pump.	1,016.47	109.67
33 32 16 00-0005	EA	Duplex Control Panel With Auto Reversing Switch Note: For Zoeller 840 series grinder pump.	1,586.96	109.67
33 32 16 00-0006	EA	Grinder Pump, 120 Gallon Sewage Basin, 1 HP, 120 V (Environment One 2012-74)	11,030.80	

**33 32 16 00-0007 Submersible Grinder Pumps (33 32 16)**

Note: Includes 50' of cord with pumps unless otherwise noted.

33 32 16 00-0008	EA	2 HP Submersible Grinder Pump At 3,450 RPM, Explosion Proof	3,744.18	666.97
33 32 16 00-0009	EA	3 HP Submersible Grinder Pump At 3,450 RPM, Explosion Proof	5,618.32	778.14
33 32 16 00-0010	EA	5 HP Submersible Grinder Pump At 3,450 RPM, Explosion Proof	6,875.31	1,000.47

**33 40 Stormwater Utilities (33)****33 41 Subdrainage (33 40)****33 41 16 Subdrainage Piping (33 41)****33 41 16 13 Subdrainage Piping (33 41 16)**

See CSI section 33 42 11 00-0173 for polyethylene drain pipe.

**33 41 16 13-0001 Corrugated High Density Polyethylene (HDPE) Drainage Piping (33 41 16 13)****33 41 16 13-0002 Single Wall, Corrugated High Density Polyethylene (HDPE) Piping (33 41 16 13-0001)**

Note: Excludes couplings and gaskets.

**33 41 16 13-0003 Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Piping (33 41 16 13-0002)**

33 41 16 13-0004	LF	4" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	5.40	4.45
		For <100, Add	0.94	
		For >1,000, Deduct	-0.49	
33 41 16 13-0005	LF	6" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	6.89	4.76
		For <100, Add	1.06	
		For >1,000, Deduct	-0.58	
33 41 16 13-0006	LF	8" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	8.76	5.00
		For <100, Add	1.19	
		For >1,000, Deduct	-0.69	
33 41 16 13-0007	LF	10" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	12.11	5.16
		For <100, Add	1.38	
		For >1,000, Deduct	-0.86	
33 41 16 13-0008	LF	12" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	14.30	5.63
		For <100, Add	1.56	
		For >1,000, Deduct	-1.00	
33 41 16 13-0009	LF	15" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	18.97	6.35
		For <100, Add	1.90	
		For >1,000, Deduct	-1.27	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 16 13-0010	LF		18" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe ..... <i>For &lt;100, Add</i> <i>For &gt;1,000, Deduct</i>	30.46 3.13 -2.06	10.70
33 41 16 13-0011	LF		24" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe ..... <i>For &lt;100, Add</i> <i>For &gt;1,000, Deduct</i>	42.61 3.89 -2.72	11.75
<b>33 41 16 13-0012</b>			<b>Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Piping</b> (33 41 16 13-0002)		
33 41 16 13-0013	LF		4" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For &lt;100, Add</i> <i>For &gt;1,000, Deduct</i>	5.27 0.93 -0.49	4.45
33 41 16 13-0014	LF		6" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For &lt;100, Add</i> <i>For &gt;1,000, Deduct</i>	6.83 1.06 -0.58	4.76
33 41 16 13-0015	LF		8" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For &lt;100, Add</i> <i>For &gt;1,000, Deduct</i>	11.35 1.32 -0.82	5.00
33 41 16 13-0016	LF		10" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For &lt;100, Add</i> <i>For &gt;1,000, Deduct</i>	13.47 1.45 -0.93	5.16
33 41 16 13-0017	LF		12" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For &lt;100, Add</i> <i>For &gt;1,000, Deduct</i>	15.79 1.63 -1.07	5.63
33 41 16 13-0018	LF		15" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For &lt;100, Add</i> <i>For &gt;1,000, Deduct</i>	18.81 1.89 -1.26	6.35
33 41 16 13-0019	LF		18" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For &lt;100, Add</i> <i>For &gt;1,000, Deduct</i>	29.48 3.08 -2.01	10.70
33 41 16 13-0020	LF		24" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For &lt;100, Add</i> <i>For &gt;1,000, Deduct</i>	41.05 3.82 -2.64	11.75
<b>33 41 16 13-0021</b>			<b>Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe Fittings</b> (33 41 16 13-0001) Note: Excludes couplings and gaskets.		
<b>33 41 16 13-0022</b>			<b>Tees, Single Wall, Corrugated High Density Polyethylene (HDPE)</b> (33 41 16 13-0021)		
33 41 16 13-0023	EA		4" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	39.95	21.78
33 41 16 13-0024	EA		6" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	47.49	25.41
33 41 16 13-0025	EA		8" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	76.36	30.85
33 41 16 13-0026	EA		10" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	97.92	38.12
33 41 16 13-0027	EA		12" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	144.61	45.38
33 41 16 13-0028	EA		15" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	311.31	59.29
33 41 16 13-0029	EA		18" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	372.87	79.85
33 41 16 13-0030	EA		24" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	701.33	90.75
<b>33 41 16 13-0031</b>			<b>Wyes, Single Wall, Corrugated High Density Polyethylene (HDPE)</b> (33 41 16 13-0021)		
33 41 16 13-0032	EA		4" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE).....	41.04	21.78
33 41 16 13-0033	EA		6" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE).....	51.05	25.41
33 41 16 13-0034	EA		8" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE).....	113.60	30.85
<b>33 41 16 13-0035</b>			<b>45 Degree Bends, Single Wall, Corrugated High Density Polyethylene (HDPE)</b> (33 41 16 13-0021)		
33 41 16 13-0036	EA		4" 45 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	27.01	14.52
<b>33 41 16 13-0037</b>			<b>90 Degree Bends, Single Wall, Corrugated High Density Polyethylene (HDPE)</b> (33 41 16 13-0021)		
33 41 16 13-0038	EA		4" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	28.15	14.52
33 41 16 13-0039	EA		6" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	36.26	16.94
33 41 16 13-0040	EA		8" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	53.56	20.57
33 41 16 13-0041	EA		10" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	70.47	25.41
<b>33 41 16 13-0042</b>			<b>Perforated Polyvinyl Chloride (PVC) Drainage Piping, D2729</b> (33 41 16 13) Note: Includes fittings, couplings, elbows, etc.		
33 41 16 13-0043	LF		3" Perforated Polyvinyl Chloride (PVC) Drainage Piping ..... <i>For &lt;100, Add</i> <i>For &gt;1,000, Deduct</i>	5.89 0.86 -0.48	3.74
33 41 16 13-0044	LF		4" Perforated Polyvinyl Chloride (PVC) Drainage Piping ..... <i>For &lt;100, Add</i> <i>For &gt;1,000, Deduct</i>	6.44 0.93 -0.52	4.05
33 41 16 13-0045	LF		6" Perforated Polyvinyl Chloride (PVC) Drainage Piping ..... <i>For &lt;100, Add</i> <i>For &gt;1,000, Deduct</i>	8.97 1.18 -0.69	4.85
33 41 16 13-0046	LF		8" Perforated Polyvinyl Chloride (PVC) Drainage Piping ..... <i>For &lt;100, Add</i> <i>For &gt;1,000, Deduct</i>	13.76 1.60 -0.99	6.06
33 41 16 13-0047	LF		10" Perforated Polyvinyl Chloride (PVC) Drainage Piping ..... <i>For &lt;100, Add</i> <i>For &gt;1,000, Deduct</i>	21.70 2.03 -1.40	6.31

**33 Utilities**  
**33 40 Stormwater Utilities**  
**33 41 Subdrainage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41	16 13-0048	LF	12" Perforated Polyvinyl Chloride (PVC) Drainage Piping .....	27.50	6.89
			<i>For &lt;100, Add</i>	2.41	
			<i>For &gt;1,000, Deduct</i>	-1.72	
33 41	16 13-0049	LF	15" Perforated Polyvinyl Chloride (PVC) Drainage Piping .....	48.22	7.77
			<i>For &lt;100, Add</i>	3.58	
			<i>For &gt;1,000, Deduct</i>	-2.80	
<b>33 41</b>	<b>16 13-0050</b>		<b>Perforated Non Reinforced Concrete Drainage Piping, C444</b> <small>(33 41 16 13)</small>		
33 41	16 13-0051	LF	6" Perforated Non Reinforced Concrete Drainage Pipe .....	29.83	11.29
			<i>For Extra Strength, Add</i>	1.61	
			<i>For &gt;1,000, Deduct</i>	-1.49	
33 41	16 13-0052	LF	8" Perforated Non Reinforced Concrete Drainage Pipe .....	34.81	12.55
			<i>For Extra Strength, Add</i>	1.98	
			<i>For &gt;1,000, Deduct</i>	-1.74	
33 41	16 13-0053	LF	10" Perforated Non Reinforced Concrete Drainage Pipe .....	39.37	13.80
			<i>For Extra Strength, Add</i>	2.31	
			<i>For &gt;1,000, Deduct</i>	-1.97	
33 41	16 13-0054	LF	12" Perforated Non Reinforced Concrete Drainage Pipe .....	46.14	15.06
			<i>For Extra Strength, Add</i>	2.90	
			<i>For &gt;1,000, Deduct</i>	-2.31	
<b>33 41</b>	<b>16 13-0055</b>		<b>Extra Strength Porous Non Reinforced Concrete Drainage Piping, C654</b> <small>(33 41 16 13)</small>		
			<small>16 13</small> Note: Bell and spigot or tongue and groove. With seals and gaskets.		
33 41	16 13-0056	LF	6" Extra Strength Porous Non Reinforced Concrete Drainage Pipe .....	24.84	11.29
			<i>For &gt;1,000, Deduct</i>	-1.24	
33 41	16 13-0057	LF	8" Extra Strength Porous Non Reinforced Concrete Drainage Pipe .....	27.49	12.55
			<i>For &gt;1,000, Deduct</i>	-1.37	
33 41	16 13-0058	LF	10" Extra Strength Porous Non Reinforced Concrete Drainage Pipe .....	30.33	13.80
			<i>For &gt;1,000, Deduct</i>	-1.52	
33 41	16 13-0059	LF	12" Extra Strength Porous Non Reinforced Concrete Drainage Pipe .....	34.57	14.34
			<i>For &gt;1,000, Deduct</i>	-1.73	
33 41	16 13-0060	LF	15" Extra Strength Porous Non Reinforced Concrete Drainage Pipe .....	40.12	16.13
			<i>For &gt;1,000, Deduct</i>	-2.01	
33 41	16 13-0061	LF	18" Extra Strength Porous Non Reinforced Concrete Drainage Pipe .....	49.65	20.61
			<i>For &gt;1,000, Deduct</i>	-2.48	
33 41	16 13-0062	LF	21" Extra Strength Porous Non Reinforced Concrete Drainage Pipe .....	62.04	26.43
			<i>For &gt;1,000, Deduct</i>	-3.10	
33 41	16 13-0063	LF	24" Extra Strength Porous Non Reinforced Concrete Drainage Pipe .....	75.63	32.26
			<i>For &gt;1,000, Deduct</i>	-3.78	
<b>33 41</b>	<b>16 13-0064</b>		<b>Standard Strength Porous Non Reinforced Concrete Drainage Piping, C654</b> <small>(33 41 16 13)</small>		
33 41	16 13-0065	LF	6" Standard Strength Porous Non Reinforced Concrete Drainage Pipe .....	23.20	11.29
			<i>For &gt;1,000, Deduct</i>	-1.16	
33 41	16 13-0066	LF	8" Standard Strength Porous Non Reinforced Concrete Drainage Pipe .....	29.32	12.55
			<i>For &gt;1,000, Deduct</i>	-1.47	
33 41	16 13-0067	LF	10" Standard Strength Porous Non Reinforced Concrete Drainage Pipe .....	36.92	13.80
			<i>For &gt;1,000, Deduct</i>	-1.85	
33 41	16 13-0068	LF	12" Standard Strength Porous Non Reinforced Concrete Drainage Pipe .....	44.68	15.06
			<i>For &gt;1,000, Deduct</i>	-2.23	
33 41	16 13-0069	LF	15" Standard Strength Porous Non Reinforced Concrete Drainage Pipe .....	51.13	16.75
			<i>For &gt;1,000, Deduct</i>	-2.56	
33 41	16 13-0070	LF	18" Standard Strength Porous Non Reinforced Concrete Drainage Pipe .....	66.19	20.89
			<i>For &gt;1,000, Deduct</i>	-3.31	
<b>33 41</b>	<b>16 13-0071</b>		<b>Perforated Vitrified Clay Drainage Piping, C700</b> <small>(33 41 16 13)</small>		
33 41	16 13-0072	LF	4" Perforated Vitrified Clay Drainage Pipe .....	23.46	12.55
33 41	16 13-0073	LF	6" Perforated Vitrified Clay Drainage Pipe .....	28.01	14.11
33 41	16 13-0074	LF	8" Perforated Vitrified Clay Drainage Pipe .....	31.94	14.11
33 41	16 13-0075	LF	10" Perforated Vitrified Clay Drainage Pipe .....	42.80	17.24
33 41	16 13-0076	LF	12" Perforated Vitrified Clay Drainage Pipe .....	50.86	18.82
<b>33 41</b>	<b>16 13-0077</b>		<b>Geotextile Filter Fabric Sock</b> <small>(33 41 16 13)</small>		
33 41	16 13-0078	LF	3" Geotextile Filter Fabric Sock.....	0.72	
33 41	16 13-0079	LF	4" Geotextile Filter Fabric Sock.....	0.93	
33 41	16 13-0080	LF	6" Geotextile Filter Fabric Sock.....	1.42	
33 41	16 13-0081	LF	8" Geotextile Filter Fabric Sock.....	1.91	
33 41	16 13-0082	LF	10" Geotextile Filter Fabric Sock.....	2.84	
33 41	16 13-0083	LF	12" Geotextile Filter Fabric Sock.....	3.90	
33 41	16 13-0084	LF	15" Geotextile Filter Fabric Sock.....	4.67	
<b>33 41</b>	<b>16 13-0085</b>		<b>Strip-Perforated, Galvanized, Corrugated Steel Pipe</b> <small>(33 41 16 13)</small>		
			Note: Perforations are located in the bottom quarter points of the pipe.		
33 41	16 13-0086	LF	6" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe .....	21.17	5.37
			<i>For Full Perforated, Add</i>	1.04	
33 41	16 13-0087	LF	8" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe .....	26.75	6.52
			<i>For Full Perforated, Add</i>	1.37	
33 41	16 13-0088	LF	10" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe .....	33.76	8.27
			<i>For Full Perforated, Add</i>	1.72	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 16 13-0089	LF		12" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe ..... <i>For Full Perforated, Add</i>	37.54 1.80	9.78
33 41 16 13-0090	LF		15" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe ..... <i>For Full Perforated, Add</i>	42.85 2.26	10.12
33 41 16 13-0091	LF		18" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe ..... <i>For Full Perforated, Add</i>	48.29 2.73	10.49
33 41 16 13-0092	LF		21" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe ..... <i>For Full Perforated, Add</i>	55.15 3.25	11.31
<b>33 41 16 13-0093</b>			<b>Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe</b> (33 41 16 13) Note: Perforations are located in the bottom quarter points of the pipe.		
33 41 16 13-0094	LF		6" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe ..... <i>For Full Perforated, Add</i>	22.85 1.21	5.37
33 41 16 13-0095	LF		8" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe ..... <i>For Full Perforated, Add</i>	29.02 1.60	6.52
33 41 16 13-0096	LF		10" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe ..... <i>For Full Perforated, Add</i>	36.53 2.00	8.27
33 41 16 13-0097	LF		12" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe ..... <i>For Full Perforated, Add</i>	40.24 2.07	9.78
33 41 16 13-0098	LF		15" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe ..... <i>For Full Perforated, Add</i>	46.18 2.59	10.12
33 41 16 13-0099	LF		18" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe ..... <i>For Full Perforated, Add</i>	52.24 3.13	10.49
33 41 16 13-0100	LF		21" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe ..... <i>For Full Perforated, Add</i>	59.75 3.71	11.31
<b>33 41 16 13-0101</b>			<b>Strip-Perforated, Corrugated Aluminum Pipe</b> (33 41 16 13) Note: Perforations are located in the bottom quarter points of the pipe.		
33 41 16 13-0102	LF		6" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe ..... <i>For Full Perforated, Add</i>	23.38 1.26	5.37
33 41 16 13-0103	LF		8" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe ..... <i>For Full Perforated, Add</i>	29.72 1.67	6.52
33 41 16 13-0104	LF		10" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe ..... <i>For Full Perforated, Add</i>	37.41 2.09	8.27
33 41 16 13-0105	LF		12" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe ..... <i>For Full Perforated, Add</i>	46.89 2.73	9.78
33 41 16 13-0106	LF		15" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe ..... <i>For Full Perforated, Add</i>	54.45 3.42	10.12
33 41 16 13-0107	LF		18" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe ..... <i>For Full Perforated, Add</i>	62.27 4.13	10.49
33 41 16 13-0108	LF		21" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe ..... <i>For Full Perforated, Add</i>	71.44 4.88	11.31
<b>33 41 16 13-0109</b>			<b>Prefabricated Composite Drains</b> (33 41 16 13)		
<b>33 41 16 13-0110</b>			<b>Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)</b> (33 41 16 13-0109) Note: Excludes excavation and backfill. See CSI section 31 23 16 13-0000 for excavation and backfill.		
33 41 16 13-0111	LF		12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE) ..... <i>For External Typar Geotextile Wrap, Add</i>	9.62 1.70	2.10
33 41 16 13-0112	EA		Coupler For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	42.82	
33 41 16 13-0113	EA		End Cap For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	42.82	
33 41 16 13-0114	EA		Side Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	82.26	
33 41 16 13-0115	EA		End Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	82.26	
33 41 16 13-0116	LF		18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)..... <i>For External Typar Geotextile Wrap, Add</i>	15.26 2.55	2.62
33 41 16 13-0117	EA		Coupler For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	63.07	
33 41 16 13-0118	EA		End Cap For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	63.07	
33 41 16 13-0119	EA		Side Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	107.84	
33 41 16 13-0120	EA		End Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	107.84	
<b>33 41 19</b>			<b>Underslab Drainage</b> (33 41)		
<b>33 41 19 13</b>			<b>Underslab Drainage Piping</b> (33 41 19)		
<b>33 41 19 13-0001</b>			<b>Capillary Water Barrier Underslab Drainage</b> (33 41 19 13) Note: Consists of a layer of fine granular material overlying a coarse layer.		
33 41 19 13-0002	CY		2" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage .....	68.51	
33 41 19 13-0003	CY		4" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage .....	66.11	
33 41 19 13-0004	CY		6" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage .....	65.16	
33 41 19 13-0005	CY		8" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage .....	63.72	
<b>33 42</b>			<b>Stormwater Conveyance</b> (33 40) Note: Piping includes hydrostatic testing, disinfecting and warning tape. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.		
<b>33 42 11</b>			<b>Stormwater Gravity Piping</b> (33 42)		
33 42 11 00-0001			Reinforced Concrete Piping (33 42 11)		
33 42 11 00-0002			Class 3 Reinforced Concrete Pipe Without Gaskets (33 42 11 00-0001)		

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

33 42 11 00-0003	LF	12" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	44.51	15.06
		<i>For &gt;1,000, Deduct</i>	-2.23	
		<i>For Class 4, Add</i>	2.19	
		<i>For Class 5, Add</i>	4.60	
33 42 11 00-0004	LF	15" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	53.38	16.75
		<i>For &gt;1,000, Deduct</i>	-2.67	
		<i>For Class 4, Add</i>	2.80	
		<i>For Class 5, Add</i>	5.89	
33 42 11 00-0005	LF	18" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	60.82	20.89
		<i>For &gt;1,000, Deduct</i>	-3.04	
		<i>For Class 4, Add</i>	2.94	
		<i>For Class 5, Add</i>	6.20	
33 42 11 00-0006	LF	21" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	77.90	26.34
		<i>For &gt;1,000, Deduct</i>	-3.90	
		<i>For Class 4, Add</i>	3.83	
		<i>For Class 5, Add</i>	8.05	
33 42 11 00-0007	LF	24" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	91.26	31.99
		<i>For &gt;1,000, Deduct</i>	-4.56	
		<i>For Class 4, Add</i>	4.33	
		<i>For Class 5, Add</i>	9.11	
33 42 11 00-0008	LF	27" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	116.05	40.98
		<i>For &gt;1,000, Deduct</i>	-5.80	
		<i>For Class 4, Add</i>	5.46	
		<i>For Class 5, Add</i>	11.50	
33 42 11 00-0009	LF	30" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	123.38	42.32
		<i>For &gt;1,000, Deduct</i>	-6.17	
		<i>For Class 4, Add</i>	5.91	
		<i>For Class 5, Add</i>	12.44	
33 42 11 00-0010	LF	36" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	152.37	48.09
		<i>For &gt;1,000, Deduct</i>	-7.62	
		<i>For Class 4, Add</i>	8.02	
		<i>For Class 5, Add</i>	16.87	
33 42 11 00-0011	LF	42" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	196.90	52.90
		<i>For &gt;1,000, Deduct</i>	-9.85	
		<i>For Class 4, Add</i>	11.60	
		<i>For Class 5, Add</i>	24.41	
33 42 11 00-0012	LF	48" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	235.57	58.91
		<i>For &gt;1,000, Deduct</i>	-11.78	
		<i>For Class 4, Add</i>	14.38	
		<i>For Class 5, Add</i>	30.28	
33 42 11 00-0013	LF	54" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	292.78	67.33
		<i>For &gt;1,000, Deduct</i>	-14.64	
		<i>For Class 4, Add</i>	18.68	
		<i>For Class 5, Add</i>	39.32	
33 42 11 00-0014	LF	60" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	353.37	78.10
		<i>For &gt;1,000, Deduct</i>	-17.67	
		<i>For Class 4, Add</i>	22.97	
		<i>For Class 5, Add</i>	48.36	
<b>33 42 11 00-0015</b>		<b>Concrete Reducing Wye Without Gaskets (33 42 11 00-0001)</b>		
33 42 11 00-0016	EA	12" Concrete Reducing Wye Without Gaskets.....	536.78	57.34
33 42 11 00-0017	EA	15" Concrete Reducing Wye Without Gaskets.....	643.76	69.89
33 42 11 00-0018	EA	18" Concrete Reducing Wye Without Gaskets.....	795.09	77.06
33 42 11 00-0019	EA	21" Concrete Reducing Wye Without Gaskets.....	912.81	94.98
33 42 11 00-0020	EA	24" Concrete Reducing Wye Without Gaskets.....	1,031.92	114.69
<b>33 42 11 00-0021</b>		<b>Concrete Pipe Joint Gaskets (33 42 11 00-0001)</b>		
33 42 11 00-0022	EA	12" Diameter Concrete Pipe Joint Gasket.....	5.10	
33 42 11 00-0023	EA	15" Diameter Concrete Pipe Joint Gasket.....	6.03	
33 42 11 00-0024	EA	18" Diameter Concrete Pipe Joint Gasket.....	6.99	
33 42 11 00-0025	EA	21" Diameter Concrete Pipe Joint Gasket.....	8.45	
33 42 11 00-0026	EA	24" Diameter Concrete Pipe Joint Gasket.....	9.90	
33 42 11 00-0027	EA	27" Diameter Concrete Pipe Joint Gasket.....	11.03	
33 42 11 00-0028	EA	30" Diameter Concrete Pipe Joint Gasket.....	12.12	
33 42 11 00-0029	EA	36" Diameter Concrete Pipe Joint Gasket.....	14.81	
33 42 11 00-0030	EA	42" Diameter Concrete Pipe Joint Gasket.....	17.17	
33 42 11 00-0031	EA	48" Diameter Concrete Pipe Joint Gasket.....	19.80	
33 42 11 00-0032	EA	54" Diameter Concrete Pipe Joint Gasket.....	24.27	
33 42 11 00-0033	EA	60" Diameter Concrete Pipe Joint Gasket.....	35.93	
<b>33 42 11 00-0034</b>		<b>Couplings (33 42 11 00-0001)</b>		
<b>33 42 11 00-0035</b>		<b>Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Couplings (33 42 11 00-0034)</b>		
		Note: For concrete to cast iron or plastic pipe. Includes stainless steel clamps. Fernco 1006.		
33 42 11 00-0036	EA	4" x 3" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	43.70	
33 42 11 00-0037	EA	4" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	39.91	
33 42 11 00-0038	EA	6" x 4" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	71.06	
33 42 11 00-0039	EA	6" x 5" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	74.09	
33 42 11 00-0040	EA	6" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	68.26	
33 42 11 00-0041	EA	8" x 6" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	108.24	
33 42 11 00-0042	EA	8" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	92.40	
33 42 11 00-0043	EA	10" x 8" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	137.75	
33 42 11 00-0044	EA	10" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	121.04	
33 42 11 00-0045	EA	12" x 10" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	167.70	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 11 00-0046	EA		12" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling .....	138.74	
33 42 11 00-0047	EA		15" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling .....	451.07	

33 42 11 00-0048 Precast Concrete Cut Off Wall (33 42 11 00-0001)

33 42 11 00-0049	EA	12" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall .....	254.16	169.29
33 42 11 00-0050	EA	15" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall .....	313.39	209.68
33 42 11 00-0051	EA	18" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall .....	388.03	265.47
33 42 11 00-0052	EA	21" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall .....	458.80	317.40
33 42 11 00-0053	EA	24" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall .....	527.57	367.33
33 42 11 00-0054	EA	27" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall .....	648.45	469.37
33 42 11 00-0055	EA	30" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall .....	844.44	646.35
33 42 11 00-0056	EA	36" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall .....	1,051.58	815.63
33 42 11 00-0057	EA	42" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall .....	1,296.65	1,023.19
33 42 11 00-0058	EA	48" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall .....	1,450.28	1,153.23
33 42 11 00-0059	EA	54" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall .....	1,618.60	1,292.69
33 42 11 00-0060	EA	60" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall .....	1,789.08	1,436.01
33 42 11 00-0061	EA	66" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall .....	1,859.18	1,490.83
33 42 11 00-0062	EA	72" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall .....	1,920.85	1,538.92
33 42 11 00-0063	EA	78" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall .....	1,982.52	1,587.01
33 42 11 00-0064	EA	84" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall .....	2,045.89	1,635.11

33 42 11 00-0065 Strap Assembly (33 42 11 00-0001)

Note: Includes drilling holes in concrete pipe, setting threaded rod, bolts, and mounting the 12' strap.

33 42 11 00-0066	EA	Up To 24" Diameter Pipe, 12' Strap Assembly .....	218.14	
33 42 11 00-0067	EA	>24" Diameter Pipe, 12' Strap Assembly .....	307.59	

33 42 11 00-0068 Prestressed Concrete Cylinder Piping (33 42 11)

33 42 11 00-0069 150 PSI Prestressed Concrete Cylinder Pipe And Fittings (33 42 11 00-0068)

33 42 11 00-0070 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets (33 42 11 00-0069)

Note: Lined-cylinder pipe (AWWA C301) up to 48". Embedded-cylinder pipe (AWWA C301) >48".

33 42 11 00-0071	LF	12" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	120.62	15.06
		For >1,000, Deduct	-6.03	
		For 100 PSI, Deduct	-24.78	
33 42 11 00-0072	LF	15" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	128.77	16.75
		For >1,000, Deduct	-6.44	
		For 100 PSI, Deduct	-26.21	
33 42 11 00-0073	LF	18" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	140.42	20.89
		For >1,000, Deduct	-7.02	
		For 100 PSI, Deduct	-27.65	
33 42 11 00-0074	LF	21" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	153.96	26.34
		For >1,000, Deduct	-7.70	
		For 100 PSI, Deduct	-29.08	
33 42 11 00-0075	LF	24" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	167.76	31.99
		For >1,000, Deduct	-8.39	
		For 100 PSI, Deduct	-30.52	
33 42 11 00-0076	LF	30" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	197.84	42.32
		For >1,000, Deduct	-9.89	
		For 100 PSI, Deduct	-34.17	
33 42 11 00-0077	LF	36" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	219.28	48.09
		For >1,000, Deduct	-10.96	
		For 100 PSI, Deduct	-37.82	
33 42 11 00-0078	LF	42" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	254.28	52.90
		For >1,000, Deduct	-12.71	
		For 100 PSI, Deduct	-44.86	
33 42 11 00-0079	LF	48" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	291.78	58.91
		For >1,000, Deduct	-14.59	
		For 100 PSI, Deduct	-51.91	
33 42 11 00-0080	LF	54" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	387.47	76.96
		For >1,000, Deduct	-19.37	
		For 100 PSI, Deduct	-69.38	
33 42 11 00-0081	LF	60" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	466.62	89.28
		For >1,000, Deduct	-23.33	
		For 100 PSI, Deduct	-84.77	

33 42 11 00-0082 150 PSI Prestressed Concrete Cylinder 90 Degree Elbows With Gaskets (33 42 11 00-0069)

33 42 11 00-0083	EA	12" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	415.26	141.12
33 42 11 00-0084	EA	15" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	575.35	201.60
33 42 11 00-0085	EA	18" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	741.05	268.80
33 42 11 00-0086	EA	21" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	906.75	336.00
33 42 11 00-0087	EA	24" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,102.00	417.54
33 42 11 00-0088	EA	30" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,409.89	559.99
33 42 11 00-0089	EA	36" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,763.62	673.28
33 42 11 00-0090	EA	42" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,054.16	785.81
33 42 11 00-0091	EA	48" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,314.45	897.39
33 42 11 00-0092	EA	54" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,849.45	1,120.53
33 42 11 00-0093	EA	60" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	3,776.15	1,539.26

33 42 11 00-0094 150 PSI Prestressed Concrete Cylinder 45 Degree Elbows With Gaskets (33 42 11 00-0069)

33 42 11 00-0095	EA	12" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	388.66	141.12
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**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**
 MINOR  
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33 42 11 00-0096	EA	15" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	540.92	201.60
33 42 11 00-0097	EA	18" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	700.36	268.80
33 42 11 00-0098	EA	21" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	859.80	336.00
33 42 11 00-0099	EA	24" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,048.79	417.54
33 42 11 00-0100	EA	30" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,336.86	522.36
33 42 11 00-0101	EA	36" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,680.15	673.28
33 42 11 00-0102	EA	42" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,957.65	785.81
33 42 11 00-0103	EA	48" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,210.64	897.39
33 42 11 00-0104	EA	54" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,698.91	1,120.53
33 42 11 00-0105	EA	60" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	3,635.64	1,539.26
<b>33 42 11 00-0106 400 PSI Prestressed Concrete Cylinder Pipe With Regular Joints (33 42 11 00-0068)</b>				
<b>33 42 11 00-0107 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints (33 42 11 00-0106)</b>				
Note: AWWA C301				
33 42 11 00-0108	LF	30" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints.....	232.15	42.32
For >1,000, Deduct			-11.61	
33 42 11 00-0109	LF	36" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints.....	282.63	48.09
For >1,000, Deduct			-14.13	
33 42 11 00-0110	LF	42" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints.....	329.49	52.90
For >1,000, Deduct			-16.47	
<b>33 42 11 00-0111 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints (33 42 11 00-0106)</b>				
Note: AWWA C301				
33 42 11 00-0112	LF	48" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	442.85	58.87
For >1,000, Deduct			-22.14	
33 42 11 00-0113	LF	54" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	532.47	76.96
For >1,000, Deduct			-26.62	
33 42 11 00-0114	LF	60" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	613.90	89.28
For >1,000, Deduct			-30.70	
33 42 11 00-0115	LF	66" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	690.93	98.96
For >1,000, Deduct			-34.55	
33 42 11 00-0116	LF	72" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	835.64	107.75
For >1,000, Deduct			-41.78	
<b>33 42 11 00-0117 Welded Joints For Prestressed Concrete Cylinder Pipe (33 42 11 00-0106)</b>				
Note: All pipe joints to be exposed and dewatered. Internal joint welding also requires joints to be ventilated and air quality checked.				
33 42 11 00-0118	EA	30" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,853.73	
33 42 11 00-0119	EA	36" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,991.05	
33 42 11 00-0120	EA	42" Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,059.71	
33 42 11 00-0121	EA	48" Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,334.33	
33 42 11 00-0122	EA	54" Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,402.99	
33 42 11 00-0123	EA	60" Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,540.30	
33 42 11 00-0124	EA	66" Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,608.96	
33 42 11 00-0125	EA	72" Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,677.62	
33 42 11 00-0126	EA	30" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	3,432.84	
33 42 11 00-0127	EA	36" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	3,432.84	
33 42 11 00-0128	EA	42" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	3,913.44	
33 42 11 00-0129	EA	48" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	3,913.44	
33 42 11 00-0130	EA	54" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	4,188.07	
33 42 11 00-0131	EA	60" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	4,188.07	
33 42 11 00-0132	EA	66" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	4,531.35	
33 42 11 00-0133	EA	72" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	4,531.35	
<b>33 42 11 00-0134 Quick Test Joints (33 42 11 00-0106)</b>				
33 42 11 00-0135	EA	30" Quick Test Joint.....	505.74	
33 42 11 00-0136	EA	36" Quick Test Joint.....	510.55	
33 42 11 00-0137	EA	42" Quick Test Joint.....	515.35	
33 42 11 00-0138	EA	48" Quick Test Joint.....	526.06	
33 42 11 00-0139	EA	54" Quick Test Joint.....	552.51	
33 42 11 00-0140	EA	60" Quick Test Joint.....	573.34	
33 42 11 00-0141	EA	66" Quick Test Joint.....	604.00	
33 42 11 00-0142	EA	72" Quick Test Joint.....	634.67	
<b>33 42 11 00-0143 Harnessed Joints (33 42 11 00-0106)</b>				
<b>33 42 11 00-0144 Harness Clamp Restrained Joints (33 42 11 00-0143)</b>				
33 42 11 00-0145	EA	30" Harness Clamp Restrained Joint.....	3,016.91	
33 42 11 00-0146	EA	36" Harness Clamp Restrained Joint.....	3,134.80	
33 42 11 00-0147	EA	42" Harness Clamp Restrained Joint.....	3,252.67	
33 42 11 00-0148	EA	48" Harness Clamp Restrained Joint.....	3,370.56	
33 42 11 00-0149	EA	54" Harness Clamp Restrained Joint.....	3,502.21	
33 42 11 00-0150	EA	60" Harness Clamp Restrained Joint.....	3,682.83	
33 42 11 00-0151	EA	66" Harness Clamp Restrained Joint.....	3,806.89	
33 42 11 00-0152	EA	72" Harness Clamp Restrained Joint.....	4,077.97	
<b>33 42 11 00-0153 Snap Ring Restrained Joints (33 42 11 00-0143)</b>				



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 11 00-0154	EA	30" Snap Ring Restrained Joint.....	529.25		
33 42 11 00-0155	EA	36" Snap Ring Restrained Joint.....	601.91		
33 42 11 00-0156	EA	42" Snap Ring Restrained Joint.....	798.94		
33 42 11 00-0157	EA	48" Snap Ring Restrained Joint.....	905.51		
33 42 11 00-0158	EA	54" Snap Ring Restrained Joint.....	1,025.86		
33 42 11 00-0159	EA	60" Snap Ring Restrained Joint.....	1,161.24		
33 42 11 00-0160	EA	66" Snap Ring Restrained Joint.....	1,285.31		
33 42 11 00-0161	EA	72" Snap Ring Restrained Joint.....	1,432.00		
<b>33 42 11 00-0162</b>		<b>Pipe Repairs</b> <small>(33 42 11 00-0106)</small>			
		Note: For repair of damaged or defective lined or embedded cylinder concrete pipe. Includes 2 concrete adapters, MJDI sleeve, 20' pipe.			
<b>33 42 11 00-0163</b>		<b>Lined Cylinder Pipe Repair</b> <small>(33 42 11 00-0162)</small>			
33 42 11 00-0164	EA	30" Lined Cylinder Pipe Repair.....	5,860.35		
33 42 11 00-0165	EA	36" Lined Cylinder Pipe Repair.....	7,262.77		
33 42 11 00-0166	EA	42" Lined Cylinder Pipe Repair.....	8,931.30		
<b>33 42 11 00-0167</b>		<b>Embedded Cylinder Pipe Repair</b> <small>(33 42 11 00-0162)</small>			
		Note: Field welded concrete enclosure assembly with concrete pipe.			
33 42 11 00-0168	EA	48" Embedded Cylinder Pipe Repair.....	13,283.16		
33 42 11 00-0169	EA	54" Embedded Cylinder Pipe Repair.....	15,423.24		
33 42 11 00-0170	EA	60" Embedded Cylinder Pipe Repair.....	17,579.41		
33 42 11 00-0171	EA	66" Embedded Cylinder Pipe Repair.....	19,860.98		
33 42 11 00-0172	EA	72" Embedded Cylinder Pipe Repair.....	23,877.26		
<b>33 42 11 00-0173</b>		<b>High Density Polyethylene (HDPE) Drainage Piping</b> <small>(33 42 11)</small>			
<b>33 42 11 00-0174</b>		<b>Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping</b> <small>(33 42 11 00-0173)</small>			
		Note: Excludes couplings and gaskets.			
<b>33 42 11 00-0175</b>		<b>Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping</b> <small>(33 42 11 00-0174)</small>			
33 42 11 00-0176	LF	4" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	14.19		6.32
		For <100, Add	2.53		
		For >1,000, Deduct	-1.34		
33 42 11 00-0177	LF	6" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	18.65		7.35
		For <100, Add	2.94		
		For >1,000, Deduct	-1.67		
33 42 11 00-0178	LF	8" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	23.00		8.54
		For <100, Add	3.42		
		For >1,000, Deduct	-2.00		
33 42 11 00-0179	LF	10" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	26.22		8.84
		For <100, Add	3.54		
		For >1,000, Deduct	-2.20		
33 42 11 00-0180	LF	12" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	27.58		9.16
		For <100, Add	3.66		
		For >1,000, Deduct	-2.29		
33 42 11 00-0181	LF	15" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	31.39		9.48
		For <100, Add	3.79		
		For >1,000, Deduct	-2.52		
33 42 11 00-0182	LF	18" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	38.19		9.83
		For <100, Add	3.93		
		For >1,000, Deduct	-2.89		
33 42 11 00-0183	LF	24" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	52.55		11.51
		For <100, Add	4.61		
		For >1,000, Deduct	-3.78		
33 42 11 00-0184	LF	30" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	74.61		15.49
		For <100, Add	6.20		
		For >1,000, Deduct	-5.28		
33 42 11 00-0185	LF	36" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	98.14		19.59
		For <100, Add	7.83		
		For >1,000, Deduct	-6.87		
<b>33 42 11 00-0186</b>		<b>Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping</b> <small>(33 42 11 00-0174)</small>			
33 42 11 00-0187	LF	12" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	27.42		9.16
		For <100, Add	3.66		
		For >1,000, Deduct	-2.29		
33 42 11 00-0188	LF	15" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	32.05		9.48
		For <100, Add	3.79		
		For >1,000, Deduct	-2.55		
33 42 11 00-0189	LF	18" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	39.17		9.83
		For <100, Add	3.93		
		For >1,000, Deduct	-2.94		
33 42 11 00-0190	LF	24" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	54.11		11.51
		For <100, Add	4.61		
		For >1,000, Deduct	-3.86		
33 42 11 00-0191	LF	30" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	78.86		15.49
		For <100, Add	6.20		
		For >1,000, Deduct	-5.49		

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0192	LF		36" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	101.30	19.59
			<i>For &lt;100, Add</i>	7.83	
			<i>For &gt;1,000, Deduct</i>	-7.02	
33 42 11 00-0193	LF		42" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	132.42	21.36
			<i>For &lt;100, Add</i>	8.55	
			<i>For &gt;1,000, Deduct</i>	-8.76	
33 42 11 00-0194	LF		48" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	144.32	24.11
			<i>For &lt;100, Add</i>	9.64	
			<i>For &gt;1,000, Deduct</i>	-9.63	
<b>33 42 11 00-0195</b>			<b>Perforated, Corrugated High Density Polyethylene (HDPE) Piping</b> <small>(33 42 11 00-0173)</small>		
			Note: Excludes couplings and gaskets.		
<b>33 42 11 00-0196</b>			<b>Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping</b> <small>(33 42 11 00-0195)</small>		
33 42 11 00-0197	LF		4" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	15.01	6.32
			<i>For &lt;100, Add</i>	2.53	
			<i>For &gt;1,000, Deduct</i>	-1.38	
33 42 11 00-0198	LF		6" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	18.68	7.35
			<i>For &lt;100, Add</i>	2.94	
			<i>For &gt;1,000, Deduct</i>	-1.67	
33 42 11 00-0199	LF		8" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	23.00	8.54
			<i>For &lt;100, Add</i>	3.42	
			<i>For &gt;1,000, Deduct</i>	-2.00	
33 42 11 00-0200	LF		10" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	26.25	8.84
			<i>For &lt;100, Add</i>	3.54	
			<i>For &gt;1,000, Deduct</i>	-2.20	
33 42 11 00-0201	LF		12" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	27.58	9.16
			<i>For &lt;100, Add</i>	3.66	
			<i>For &gt;1,000, Deduct</i>	-2.29	
33 42 11 00-0202	LF		15" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	31.42	9.48
			<i>For &lt;100, Add</i>	3.79	
			<i>For &gt;1,000, Deduct</i>	-2.52	
33 42 11 00-0203	LF		18" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	38.21	9.83
			<i>For &lt;100, Add</i>	3.93	
			<i>For &gt;1,000, Deduct</i>	-2.89	
33 42 11 00-0204	LF		24" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	52.55	11.51
			<i>For &lt;100, Add</i>	4.61	
			<i>For &gt;1,000, Deduct</i>	-3.78	
33 42 11 00-0205	LF		30" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	74.88	15.49
			<i>For &lt;100, Add</i>	6.20	
			<i>For &gt;1,000, Deduct</i>	-5.29	
33 42 11 00-0206	LF		36" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	98.14	19.59
			<i>For &lt;100, Add</i>	7.83	
			<i>For &gt;1,000, Deduct</i>	-6.87	
<b>33 42 11 00-0207</b>			<b>Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping</b> <small>(33 42 11 00-0195)</small>		
33 42 11 00-0208	LF		12" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	27.44	9.16
			<i>For &lt;100, Add</i>	3.66	
			<i>For &gt;1,000, Deduct</i>	-2.29	
33 42 11 00-0209	LF		15" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	32.07	9.48
			<i>For &lt;100, Add</i>	3.79	
			<i>For &gt;1,000, Deduct</i>	-2.55	
33 42 11 00-0210	LF		18" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	39.20	9.83
			<i>For &lt;100, Add</i>	3.93	
			<i>For &gt;1,000, Deduct</i>	-2.94	
33 42 11 00-0211	LF		24" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	54.11	11.51
			<i>For &lt;100, Add</i>	4.61	
			<i>For &gt;1,000, Deduct</i>	-3.86	
33 42 11 00-0212	LF		30" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	78.86	15.49
			<i>For &lt;100, Add</i>	6.20	
			<i>For &gt;1,000, Deduct</i>	-5.49	
33 42 11 00-0213	LF		36" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	101.30	19.59
			<i>For &lt;100, Add</i>	7.83	
			<i>For &gt;1,000, Deduct</i>	-7.02	
33 42 11 00-0214	LF		42" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	132.42	21.36
			<i>For &lt;100, Add</i>	8.55	
			<i>For &gt;1,000, Deduct</i>	-8.76	
33 42 11 00-0215	LF		48" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	144.32	24.11
			<i>For &lt;100, Add</i>	9.64	
			<i>For &gt;1,000, Deduct</i>	-9.63	
<b>33 42 11 00-0216</b>			<b>Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe Fittings</b> <small>(33 42 11 00-0173)</small>		
			Note: Excludes couplings and gaskets.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>33 42 11 00-0217</b>		<b>Tees, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)</b> <small>(33 42 11 00-0216)</small>			
33 42 11 00-0218	EA	4" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	57.66		21.78
33 42 11 00-0219	EA	6" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	72.35		25.41
33 42 11 00-0220	EA	8" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	116.27		30.85
33 42 11 00-0221	EA	10" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	176.87		38.12
33 42 11 00-0222	EA	12" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	278.30		45.38
33 42 11 00-0223	EA	15" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	392.54		59.29
33 42 11 00-0224	EA	18" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	564.21		79.85
33 42 11 00-0225	EA	24" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	722.50		91.15
33 42 11 00-0226	EA	30" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	1,259.59		105.27
33 42 11 00-0227	EA	36" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	1,616.99		121.60
33 42 11 00-0228	EA	42" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	2,688.86		145.19
33 42 11 00-0229	EA	48" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	3,374.44		172.43

<b>33 42 11 00-0230</b>		<b>Wyes, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)</b> <small>(33 42 11 00-0216)</small>			
33 42 11 00-0231	EA	4" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	83.96		21.78
33 42 11 00-0232	EA	6" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	101.21		25.41
33 42 11 00-0233	EA	8" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	134.49		30.85
33 42 11 00-0234	EA	10" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	196.96		38.12
33 42 11 00-0235	EA	12" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	342.92		45.38
33 42 11 00-0236	EA	15" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	372.71		59.29
33 42 11 00-0237	EA	18" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	525.65		79.85

<b>33 42 11 00-0238</b>		<b>22-1/2 Degree Bends, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)</b> <small>(33 42 11 00-0216)</small>			
33 42 11 00-0239	EA	4" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	35.14		14.52
33 42 11 00-0240	EA	6" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	43.31		16.94
33 42 11 00-0241	EA	8" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	62.93		20.57
33 42 11 00-0242	EA	10" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	79.17		25.41
33 42 11 00-0243	EA	12" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	114.46		30.25
33 42 11 00-0244	EA	15" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	180.27		38.72
33 42 11 00-0245	EA	18" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	239.04		53.24
33 42 11 00-0246	EA	24" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	451.17		60.49
33 42 11 00-0247	EA	30" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	626.05		70.17
33 42 11 00-0248	EA	36" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	733.57		81.07
33 42 11 00-0249	EA	42" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	937.06		96.80
33 42 11 00-0250	EA	48" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	1,265.83		114.94

<b>33 42 11 00-0251</b>		<b>45 Degree Bends, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)</b> <small>(33 42 11 00-0216)</small>			
33 42 11 00-0252	EA	4" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	38.02		14.52
33 42 11 00-0253	EA	6" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	49.30		16.94
33 42 11 00-0254	EA	8" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	65.99		20.57
33 42 11 00-0255	EA	10" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	104.07		25.41
33 42 11 00-0256	EA	12" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	114.46		30.25
33 42 11 00-0257	EA	15" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	179.77		38.72
33 42 11 00-0258	EA	18" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	279.19		53.24
33 42 11 00-0259	EA	24" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	482.19		60.49
33 42 11 00-0260	EA	30" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	627.53		70.17
33 42 11 00-0261	EA	36" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	800.43		81.07
33 42 11 00-0262	EA	42" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	1,195.10		96.80
33 42 11 00-0263	EA	48" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	1,497.10		114.94

**33 42 11 00-0264**      **Couplings And End Caps, Corrugated High Density Polyethylene (HDPE) Pipe Fittings** (33 42 11 00-0173)

Note: For single and double wall high density polyethylene (HDPE) piping.

<b>33 42 11 00-0265</b>		<b>Couplings, Corrugated High Density Polyethylene (HDPE) Pipe</b> <small>(33 42 11 00-0264)</small>			
33 42 11 00-0266	EA	4" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	1.72		
33 42 11 00-0267	EA	6" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	3.08		
33 42 11 00-0268	EA	8" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	4.74		
33 42 11 00-0269	EA	10" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	5.83		
33 42 11 00-0270	EA	12" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	6.27		
33 42 11 00-0271	EA	15" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	8.93		
33 42 11 00-0272	EA	18" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	13.21		
33 42 11 00-0273	EA	24" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	21.02		
33 42 11 00-0274	EA	30" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	32.28		
33 42 11 00-0275	EA	36" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	42.23		
33 42 11 00-0276	EA	42" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	66.39		
33 42 11 00-0277	EA	48" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	89.80		

<b>33 42 11 00-0278</b>		<b>Self Adhering Gaskets, Corrugated High Density Polyethylene (HDPE) Pipe</b> <small>(33 42 11 00-0264)</small>			
33 42 11 00-0279	EA	4" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	90.92		
33 42 11 00-0280	EA	6" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	95.20		
33 42 11 00-0281	EA	8" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	99.68		

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**
 MINOR  
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 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

33 42 11 00-0282	EA	10" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	104.37	
33 42 11 00-0283	EA	12" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	123.79	
33 42 11 00-0284	EA	15" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	127.81	
33 42 11 00-0285	EA	18" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	133.31	
33 42 11 00-0286	EA	24" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	151.84	
33 42 11 00-0287	EA	30" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	243.41	
33 42 11 00-0288	EA	36" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	266.61	
33 42 11 00-0289	EA	42" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	290.50	
33 42 11 00-0290	EA	48" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	352.81	
<b>33 42 11 00-0291</b>		<b>End Caps, Corrugated High Density Polyethylene (HDPE) Pipe (33 42 11 00-0264)</b>		
33 42 11 00-0292	EA	6" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe .....	29.11	
33 42 11 00-0293	EA	8" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe .....	33.95	
33 42 11 00-0294	EA	10" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe .....	53.76	
33 42 11 00-0295	EA	12" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe .....	89.97	
33 42 11 00-0296	EA	15" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe .....	104.44	
33 42 11 00-0297	EA	18" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe .....	140.48	
33 42 11 00-0298	EA	24" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe .....	145.87	
<b>33 42 11 00-0299</b>		<b>Corrugated Metal Piping (33 42 11)</b>		
<b>33 42 11 00-0300</b>		<b>Galvanized Corrugated Steel Piping (33 42 11 00-0299)</b>		
<b>33 42 11 00-0301</b>		<b>2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0300)</b>		
<b>33 42 11 00-0302</b>		<b>16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0301)</b>		
33 42 11 00-0303	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	32.95	9.40
		For Bituminous Coated Pipe, Add	3.24	
		For Bituminous Coated And 25% Paved, Add	6.63	
		For Smooth-Flo, Add	11.85	
33 42 11 00-0304	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	37.11	9.86
		For Bituminous Coated Pipe, Add	4.08	
		For Bituminous Coated And 25% Paved, Add	8.35	
		For Smooth-Flo, Add	14.91	
33 42 11 00-0305	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	41.41	10.76
		For Bituminous Coated Pipe, Add	4.94	
		For Bituminous Coated And 25% Paved, Add	10.11	
		For Smooth-Flo, Add	18.06	
33 42 11 00-0306	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	47.08	11.65
		For Bituminous Coated Pipe, Add	5.91	
		For Bituminous Coated And 25% Paved, Add	12.10	
		For Smooth-Flo, Add	21.60	
33 42 11 00-0307	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	52.08	12.55
		For Bituminous Coated Pipe, Add	6.66	
		For Bituminous Coated And 25% Paved, Add	13.61	
		For Smooth-Flo, Add	24.31	
33 42 11 00-0308	LF	30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	68.76	16.13
		For Bituminous Coated Pipe, Add	8.63	
		For Bituminous Coated And 25% Paved, Add	17.66	
		For Smooth-Flo, Add	31.54	
33 42 11 00-0309	LF	36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	89.90	21.16
		For Bituminous Coated Pipe, Add	10.89	
		For Bituminous Coated And 25% Paved, Add	22.28	
		For Smooth-Flo, Add	39.79	
33 42 11 00-0310	LF	42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	102.22	25.01
		For Bituminous Coated Pipe, Add	12.89	
		For Bituminous Coated And 25% Paved, Add	26.36	
		For Smooth-Flo, Add	47.07	
33 42 11 00-0311	LF	48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	114.89	28.85
		For Bituminous Coated Pipe, Add	14.44	
		For Bituminous Coated And 25% Paved, Add	29.53	
		For Smooth-Flo, Add	52.73	
<b>33 42 11 00-0312</b>		<b>14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0301)</b>		
33 42 11 00-0313	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	35.84	9.40
		For Bituminous Coated Pipe, Add	3.29	
		For Bituminous Coated And 25% Paved, Add	7.62	
		For Smooth-Flo, Add	15.41	
33 42 11 00-0314	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	40.67	9.86
		For Bituminous Coated Pipe, Add	4.13	
		For Bituminous Coated And 25% Paved, Add	9.56	
		For Smooth-Flo, Add	19.33	
33 42 11 00-0315	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	45.72	10.76
		For Bituminous Coated Pipe, Add	5.00	
		For Bituminous Coated And 25% Paved, Add	11.58	
		For Smooth-Flo, Add	23.40	
33 42 11 00-0316	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	52.06	11.65
		For Bituminous Coated Pipe, Add	5.94	
		For Bituminous Coated And 25% Paved, Add	13.77	
		For Smooth-Flo, Add	27.83	
33 42 11 00-0317	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	57.87	12.55
		For Bituminous Coated Pipe, Add	6.72	
		For Bituminous Coated And 25% Paved, Add	15.58	
		For Smooth-Flo, Add	31.49	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0318	LF			30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	75.83	16.13
				<i>For Bituminous Coated Pipe, Add</i>	8.64	
				<i>For Bituminous Coated And 25% Paved, Add</i>	20.01	
				<i>For Smooth-Flo, Add</i>	40.44	
33 42 11 00-0319	LF			36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	98.48	21.16
				<i>For Bituminous Coated Pipe, Add</i>	10.83	
				<i>For Bituminous Coated And 25% Paved, Add</i>	25.08	
				<i>For Smooth-Flo, Add</i>	50.70	
33 42 11 00-0320	LF			42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	112.05	25.01
				<i>For Bituminous Coated Pipe, Add</i>	12.74	
				<i>For Bituminous Coated And 25% Paved, Add</i>	29.52	
				<i>For Smooth-Flo, Add</i>	59.67	
33 42 11 00-0321	LF			48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	126.13	28.85
				<i>For Bituminous Coated Pipe, Add</i>	14.32	
				<i>For Bituminous Coated And 25% Paved, Add</i>	33.18	
				<i>For Smooth-Flo, Add</i>	67.06	
33 42 11 00-0322	LF			54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	150.56	32.70
				<i>For Bituminous Coated Pipe, Add</i>	17.61	
				<i>For Bituminous Coated And 25% Paved, Add</i>	40.80	
				<i>For Smooth-Flo, Add</i>	82.48	
<b>33 42 11 00-0323</b>				<b>12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping<sup>(33)</sup></b>		
				<small><sup>(42 11 00-0301)</sup></small>		
33 42 11 00-0324	LF			18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	54.64	10.76
				<i>For Bituminous Coated Pipe, Add</i>	5.72	
				<i>For Bituminous Coated And 25% Paved, Add</i>	10.33	
				<i>For Smooth-Flo, Add</i>	19.86	
33 42 11 00-0325	LF			21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	62.43	11.65
				<i>For Bituminous Coated Pipe, Add</i>	6.76	
				<i>For Bituminous Coated And 25% Paved, Add</i>	12.22	
				<i>For Smooth-Flo, Add</i>	23.48	
33 42 11 00-0326	LF			24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	69.69	11.65
				<i>For Bituminous Coated Pipe, Add</i>	7.67	
				<i>For Bituminous Coated And 25% Paved, Add</i>	13.85	
				<i>For Smooth-Flo, Add</i>	26.61	
33 42 11 00-0327	LF			30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	90.44	16.13
				<i>For Bituminous Coated Pipe, Add</i>	9.75	
				<i>For Bituminous Coated And 25% Paved, Add</i>	17.61	
				<i>For Smooth-Flo, Add</i>	33.84	
33 42 11 00-0328	LF			36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	115.82	21.16
				<i>For Bituminous Coated Pipe, Add</i>	12.06	
				<i>For Bituminous Coated And 25% Paved, Add</i>	21.78	
				<i>For Smooth-Flo, Add</i>	41.85	
33 42 11 00-0329	LF			42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	132.08	25.01
				<i>For Bituminous Coated Pipe, Add</i>	14.13	
				<i>For Bituminous Coated And 25% Paved, Add</i>	25.51	
				<i>For Smooth-Flo, Add</i>	49.03	
33 42 11 00-0330	LF			48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	149.09	28.85
				<i>For Bituminous Coated Pipe, Add</i>	15.95	
				<i>For Bituminous Coated And 25% Paved, Add</i>	28.81	
				<i>For Smooth-Flo, Add</i>	55.37	
33 42 11 00-0331	LF			54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	175.91	32.70
				<i>For Bituminous Coated Pipe, Add</i>	19.13	
				<i>For Bituminous Coated And 25% Paved, Add</i>	34.55	
				<i>For Smooth-Flo, Add</i>	66.40	
33 42 11 00-0332	LF			60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	192.30	34.63
				<i>For Bituminous Coated Pipe, Add</i>	20.95	
				<i>For Bituminous Coated And 25% Paved, Add</i>	37.83	
				<i>For Smooth-Flo, Add</i>	72.71	
33 42 11 00-0333	LF			66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	232.91	42.32
				<i>For Bituminous Coated Pipe, Add</i>	25.51	
				<i>For Bituminous Coated And 25% Paved, Add</i>	46.06	
				<i>For Smooth-Flo, Add</i>	88.52	
<b>33 42 11 00-0334</b>				<b>10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping<sup>(33)</sup></b>		
				<small><sup>(42 11 00-0301)</sup></small>		
33 42 11 00-0335	LF			36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	132.04	21.16
				<i>For Bituminous Coated Pipe, Add</i>	15.34	
				<i>For Bituminous Coated And 25% Paved, Add</i>	25.62	
				<i>For Smooth-Flo, Add</i>	36.56	
33 42 11 00-0336	LF			42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	151.07	25.01
				<i>For Bituminous Coated Pipe, Add</i>	17.97	
				<i>For Bituminous Coated And 25% Paved, Add</i>	30.02	
				<i>For Smooth-Flo, Add</i>	42.83	
33 42 11 00-0337	LF			48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	170.64	28.85
				<i>For Bituminous Coated Pipe, Add</i>	20.31	
				<i>For Bituminous Coated And 25% Paved, Add</i>	33.93	
				<i>For Smooth-Flo, Add</i>	48.41	
33 42 11 00-0338	LF			54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	200.04	32.70
				<i>For Bituminous Coated Pipe, Add</i>	24.05	
				<i>For Bituminous Coated And 25% Paved, Add</i>	40.18	
				<i>For Smooth-Flo, Add</i>	57.33	
33 42 11 00-0339	LF			60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	219.16	34.63
				<i>For Bituminous Coated Pipe, Add</i>	26.42	
				<i>For Bituminous Coated And 25% Paved, Add</i>	44.13	
				<i>For Smooth-Flo, Add</i>	62.97	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
33 42 11 00-0340	LF 66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	262.43	42.32
	For Bituminous Coated Pipe, Add	31.60	
	For Bituminous Coated And 25% Paved, Add	52.79	
	For Smooth-Flo, Add	75.33	
33 42 11 00-0341	LF 72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	315.21	61.55
	For Bituminous Coated Pipe, Add	33.93	
	For Bituminous Coated And 25% Paved, Add	56.68	
	For Smooth-Flo, Add	80.88	
33 42 11 00-0342	3" x 1" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0300)		
33 42 11 00-0343	16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0342)		
33 42 11 00-0344	LF 36" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	104.78	21.16
	For Bituminous Coated Pipe, Add	11.98	
	For Bituminous Coated And 25% Paved, Add	27.19	
	For Smooth-Flo, Add	54.14	
33 42 11 00-0345	LF 42" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	119.29	25.01
	For Bituminous Coated Pipe, Add	14.06	
	For Bituminous Coated And 25% Paved, Add	31.93	
	For Smooth-Flo, Add	63.57	
33 42 11 00-0346	LF 48" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	134.11	28.85
	For Bituminous Coated Pipe, Add	15.77	
	For Bituminous Coated And 25% Paved, Add	35.81	
	For Smooth-Flo, Add	71.30	
33 42 11 00-0347	LF 54" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	159.71	32.70
	For Bituminous Coated Pipe, Add	19.27	
	For Bituminous Coated And 25% Paved, Add	43.74	
	For Smooth-Flo, Add	87.09	
33 42 11 00-0348	LF 60" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	174.02	34.63
	For Bituminous Coated Pipe, Add	20.99	
	For Bituminous Coated And 25% Paved, Add	47.65	
	For Smooth-Flo, Add	94.88	
33 42 11 00-0349	LF 66" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	217.69	42.32
	For Bituminous Coated Pipe, Add	26.96	
	For Bituminous Coated And 25% Paved, Add	61.21	
	For Smooth-Flo, Add	121.88	
33 42 11 00-0350	LF 72" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	266.13	61.55
	For Bituminous Coated Pipe, Add	28.74	
	For Bituminous Coated And 25% Paved, Add	65.24	
	For Smooth-Flo, Add	129.91	
33 42 11 00-0351	LF 78" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	287.29	67.33
	For Bituminous Coated Pipe, Add	30.53	
	For Bituminous Coated And 25% Paved, Add	69.29	
	For Smooth-Flo, Add	137.98	
33 42 11 00-0352	LF 84" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	305.82	72.14
	For Bituminous Coated Pipe, Add	32.31	
	For Bituminous Coated And 25% Paved, Add	73.34	
	For Smooth-Flo, Add	146.04	
33 42 11 00-0353	LF 90" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	324.39	76.95
	For Bituminous Coated Pipe, Add	34.10	
	For Bituminous Coated And 25% Paved, Add	77.41	
	For Smooth-Flo, Add	154.13	
33 42 11 00-0354	LF 96" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	343.61	81.76
	For Bituminous Coated Pipe, Add	35.88	
	For Bituminous Coated And 25% Paved, Add	81.44	
	For Smooth-Flo, Add	162.17	
33 42 11 00-0355	LF 102" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	365.55	86.56
	For Bituminous Coated Pipe, Add	37.68	
	For Bituminous Coated And 25% Paved, Add	85.52	
	For Smooth-Flo, Add	170.30	
33 42 11 00-0356	14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0342)		
33 42 11 00-0357	LF 54" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	174.90	32.70
	For Bituminous Coated Pipe, Add	22.31	
	For Bituminous Coated And 25% Paved, Add	43.72	
	For Smooth-Flo, Add	88.33	
33 42 11 00-0358	LF 60" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	190.82	34.63
	For Bituminous Coated Pipe, Add	24.35	
	For Bituminous Coated And 25% Paved, Add	47.73	
	For Smooth-Flo, Add	96.43	
33 42 11 00-0359	LF 66" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	236.17	42.32
	For Bituminous Coated Pipe, Add	30.66	
	For Bituminous Coated And 25% Paved, Add	60.09	
	For Smooth-Flo, Add	121.41	
33 42 11 00-0360	LF 72" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	286.26	61.55
	For Bituminous Coated Pipe, Add	32.77	
	For Bituminous Coated And 25% Paved, Add	64.23	
	For Smooth-Flo, Add	129.76	
33 42 11 00-0361	LF 78" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	309.03	67.33
	For Bituminous Coated Pipe, Add	34.87	
	For Bituminous Coated And 25% Paved, Add	68.35	
	For Smooth-Flo, Add	138.10	
33 42 11 00-0362	LF 84" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	329.28	72.14
	For Bituminous Coated Pipe, Add	37.00	
	For Bituminous Coated And 25% Paved, Add	72.52	
	For Smooth-Flo, Add	146.53	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 42 11 00-0363		LF	90" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	349.44 39.11 76.66 154.88	76.95
	33 42 11 00-0364		LF	96" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	370.30 41.22 80.78 163.22	81.76
	33 42 11 00-0365		LF	102" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	393.86 43.34 84.94 171.62	86.56
	33 42 11 00-0366		LF	108" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	419.66 45.46 89.10 180.01	96.18
	33 42 11 00-0367		LF	114" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	444.85 47.54 93.17 188.25	105.80
	<b>33 42 11 00-0368</b>			<b>12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping <small>(33 42 11 00-0342)</small></b>		
	33 42 11 00-0369		LF	60" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	228.08 31.80 60.59 98.75	34.63
	33 42 11 00-0370		LF	66" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	277.44 38.91 74.13 120.83	42.32
	33 42 11 00-0371		LF	72" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	331.13 41.74 79.52 129.61	61.55
	33 42 11 00-0372		LF	78" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	357.54 44.58 84.92 138.41	67.33
	33 42 11 00-0373		LF	84" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	381.39 47.42 90.34 147.25	72.14
	33 42 11 00-0374		LF	90" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	405.18 50.26 95.74 156.05	76.95
	33 42 11 00-0375		LF	96" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	429.72 53.10 101.16 164.88	81.76
	33 42 11 00-0376		LF	102" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	456.91 55.95 106.58 173.72	86.56
	33 42 11 00-0377		LF	108" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	486.28 58.78 111.98 182.52	96.18
	33 42 11 00-0378		LF	114" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	515.14 61.60 117.34 191.26	105.80
	33 42 11 00-0379		LF	120" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	542.97 64.44 122.77 200.10	115.42
	<b>33 42 11 00-0380</b>			<b>10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping <small>(33 42 11 00-0342)</small></b>		
	33 42 11 00-0381		LF	72" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	372.97 50.11 95.21 127.28	61.55
	33 42 11 00-0382		LF	78" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	402.82 53.63 101.90 136.23	67.33
	33 42 11 00-0383		LF	84" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	430.10 57.17 108.62 145.20	72.14
	33 42 11 00-0384		LF	90" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	457.33 60.69 115.31 154.15	76.95

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
33 42 11 00-0385	LF 96" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	485.30	81.76
	For Bituminous Coated Pipe, Add	64.22	
	For Bituminous Coated And 25% Paved, Add	122.01	
	For Smooth-Flo, Add	163.11	
33 42 11 00-0386	LF 102" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	515.92	86.56
	For Bituminous Coated Pipe, Add	67.75	
	For Bituminous Coated And 25% Paved, Add	128.73	
	For Smooth-Flo, Add	172.09	
33 42 11 00-0387	LF 108" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	548.73	96.18
	For Bituminous Coated Pipe, Add	71.27	
	For Bituminous Coated And 25% Paved, Add	135.42	
	For Smooth-Flo, Add	181.03	
33 42 11 00-0388	LF 114" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	580.99	105.80
	For Bituminous Coated Pipe, Add	74.77	
	For Bituminous Coated And 25% Paved, Add	142.06	
	For Smooth-Flo, Add	189.91	
33 42 11 00-0389	LF 120" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	612.28	115.42
	For Bituminous Coated Pipe, Add	78.31	
	For Bituminous Coated And 25% Paved, Add	148.78	
	For Smooth-Flo, Add	198.90	
33 42 11 00-0390	LF 126" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	645.31	125.04
	For Bituminous Coated Pipe, Add	81.81	
	For Bituminous Coated And 25% Paved, Add	155.45	
	For Smooth-Flo, Add	207.81	
33 42 11 00-0391	LF 132" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	680.81	134.66
	For Bituminous Coated Pipe, Add	85.35	
	For Bituminous Coated And 25% Paved, Add	162.17	
	For Smooth-Flo, Add	216.79	
33 42 11 00-0392	LF 138" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	719.26	144.27
	For Bituminous Coated Pipe, Add	88.89	
	For Bituminous Coated And 25% Paved, Add	168.89	
	For Smooth-Flo, Add	225.78	
33 42 11 00-0393	125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0300)		
33 42 11 00-0394	16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0393)		
33 42 11 00-0395	LF 48" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	134.55	28.85
	For Bituminous Coated Pipe, Add	19.83	
	For Bituminous Coated And 25% Paved, Add	45.21	
	For Smooth-Flo, Add	71.78	
33 42 11 00-0396	LF 54" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	160.56	32.70
	For Bituminous Coated Pipe, Add	24.30	
	For Bituminous Coated And 25% Paved, Add	55.40	
	For Smooth-Flo, Add	87.96	
33 42 11 00-0397	LF 60" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	174.76	34.63
	For Bituminous Coated Pipe, Add	26.43	
	For Bituminous Coated And 25% Paved, Add	60.25	
	For Smooth-Flo, Add	95.66	
33 42 11 00-0398	LF 66" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	215.94	42.32
	For Bituminous Coated Pipe, Add	33.27	
	For Bituminous Coated And 25% Paved, Add	75.85	
	For Smooth-Flo, Add	120.43	
33 42 11 00-0399	LF 72" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	264.17	61.55
	For Bituminous Coated Pipe, Add	35.44	
	For Bituminous Coated And 25% Paved, Add	80.80	
	For Smooth-Flo, Add	128.28	
33 42 11 00-0400	LF 78" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	285.07	67.33
	For Bituminous Coated Pipe, Add	37.60	
	For Bituminous Coated And 25% Paved, Add	85.73	
	For Smooth-Flo, Add	136.12	
33 42 11 00-0401	LF 84" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	303.29	72.14
	For Bituminous Coated Pipe, Add	39.76	
	For Bituminous Coated And 25% Paved, Add	90.64	
	For Smooth-Flo, Add	143.91	
33 42 11 00-0402	LF 90" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	321.50	76.95
	For Bituminous Coated Pipe, Add	41.90	
	For Bituminous Coated And 25% Paved, Add	95.54	
	For Smooth-Flo, Add	151.69	
33 42 11 00-0403	LF 96" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	340.55	81.76
	For Bituminous Coated Pipe, Add	44.08	
	For Bituminous Coated And 25% Paved, Add	100.51	
	For Smooth-Flo, Add	159.58	
33 42 11 00-0404	LF 102" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	362.42	86.56
	For Bituminous Coated Pipe, Add	46.31	
	For Bituminous Coated And 25% Paved, Add	105.59	
	For Smooth-Flo, Add	167.65	
33 42 11 00-0405	14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0393)		
33 42 11 00-0406	LF 54" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	179.54	32.70
	For Bituminous Coated Pipe, Add	23.23	
	For Bituminous Coated And 25% Paved, Add	54.60	
	For Smooth-Flo, Add	98.86	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 42 11 00-0407	LF		60" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	195.87 25.36 59.60 107.92	34.63
	33 42 11 00-0408	LF		66" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	238.97 31.22 73.37 132.84	42.32
	33 42 11 00-0409	LF		72" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	289.05 33.33 78.32 141.80	61.55
	33 42 11 00-0410	LF		78" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	312.20 35.51 83.44 151.09	67.33
	33 42 11 00-0411	LF		84" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	332.55 37.66 88.49 160.23	72.14
	33 42 11 00-0412	LF		90" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	351.79 39.58 93.01 168.41	76.95
	33 42 11 00-0413	LF		96" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	373.91 41.94 98.55 178.45	81.76
	33 42 11 00-0414	LF		102" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	397.56 44.08 103.58 187.55	86.56
	33 42 11 00-0415	LF		108" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	423.37 46.20 108.57 196.58	96.18
	33 42 11 00-0416	LF		114" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	449.03 48.37 113.68 205.83	105.80
	<b>33 42 11 00-0417</b>			<b>12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping</b> <small>(33 42 11 00-0393)</small>		
	33 42 11 00-0418	LF		60" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	235.39 33.27 63.21 114.10	34.63
	33 42 11 00-0419	LF		66" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	282.49 39.92 75.86 136.94	42.32
	33 42 11 00-0420	LF		72" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	336.72 42.86 81.43 147.01	61.55
	33 42 11 00-0421	LF		78" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	363.53 45.77 86.97 157.00	67.33
	33 42 11 00-0422	LF		84" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	387.59 48.66 92.46 166.92	72.14
	33 42 11 00-0423	LF		90" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	411.85 51.59 98.02 176.96	76.95
	33 42 11 00-0424	LF		96" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	436.72 54.50 103.55 186.94	81.76
	33 42 11 00-0425	LF		102" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	464.18 57.40 109.06 196.89	86.56
	33 42 11 00-0426	LF		108" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	494.02 60.33 114.63 206.93	96.18
	33 42 11 00-0427	LF		114" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	523.36 63.24 120.16 216.91	105.80
	33 42 11 00-0428	LF		120" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	551.49 66.15 125.68 226.89	115.42

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0429			<b>10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping</b> <small>(33 42 11 00-0393)</small>		
33 42 11 00-0430	LF		72" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	382.37	61.55
			<i>For Bituminous Coated Pipe, Add</i>	51.99	
			<i>For Bituminous Coated And 25% Paved, Add</i>	98.78	
			<i>For Smooth-Flo, Add</i>	155.19	
33 42 11 00-0431	LF		78" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	413.42	67.33
			<i>For Bituminous Coated Pipe, Add</i>	55.75	
			<i>For Bituminous Coated And 25% Paved, Add</i>	105.93	
			<i>For Smooth-Flo, Add</i>	166.42	
33 42 11 00-0432	LF		84" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	441.45	72.14
			<i>For Bituminous Coated Pipe, Add</i>	59.44	
			<i>For Bituminous Coated And 25% Paved, Add</i>	112.93	
			<i>For Smooth-Flo, Add</i>	177.42	
33 42 11 00-0433	LF		90" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	469.31	76.95
			<i>For Bituminous Coated Pipe, Add</i>	63.08	
			<i>For Bituminous Coated And 25% Paved, Add</i>	119.86	
			<i>For Smooth-Flo, Add</i>	188.31	
33 42 11 00-0434	LF		96" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	498.09	81.76
			<i>For Bituminous Coated Pipe, Add</i>	66.77	
			<i>For Bituminous Coated And 25% Paved, Add</i>	126.87	
			<i>For Smooth-Flo, Add</i>	199.32	
33 42 11 00-0435	LF		102" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	529.32	86.56
			<i>For Bituminous Coated Pipe, Add</i>	70.43	
			<i>For Bituminous Coated And 25% Paved, Add</i>	133.82	
			<i>For Smooth-Flo, Add</i>	210.23	
33 42 11 00-0436	LF		108" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	562.93	96.18
			<i>For Bituminous Coated Pipe, Add</i>	74.11	
			<i>For Bituminous Coated And 25% Paved, Add</i>	140.81	
			<i>For Smooth-Flo, Add</i>	221.22	
33 42 11 00-0437	LF		114" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	596.10	105.80
			<i>For Bituminous Coated Pipe, Add</i>	77.79	
			<i>For Bituminous Coated And 25% Paved, Add</i>	147.80	
			<i>For Smooth-Flo, Add</i>	232.20	
33 42 11 00-0438	LF		120" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	627.97	115.42
			<i>For Bituminous Coated Pipe, Add</i>	81.44	
			<i>For Bituminous Coated And 25% Paved, Add</i>	154.74	
			<i>For Smooth-Flo, Add</i>	243.11	
33 42 11 00-0439	LF		126" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	667.60	125.04
			<i>For Bituminous Coated Pipe, Add</i>	86.27	
			<i>For Bituminous Coated And 25% Paved, Add</i>	163.92	
			<i>For Smooth-Flo, Add</i>	257.52	
33 42 11 00-0440	LF		132" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	705.31	134.66
			<i>For Bituminous Coated Pipe, Add</i>	90.25	
			<i>For Bituminous Coated And 25% Paved, Add</i>	171.48	
			<i>For Smooth-Flo, Add</i>	269.40	
33 42 11 00-0441	LF		138" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	746.73	144.27
			<i>For Bituminous Coated Pipe, Add</i>	94.38	
			<i>For Bituminous Coated And 25% Paved, Add</i>	179.33	
			<i>For Smooth-Flo, Add</i>	281.74	
33 42 11 00-0442			<b>Helical Ribbed, Galvanized Corrugated Steel Piping</b> <small>(33 42 11 00-0300)</small>		
33 42 11 00-0443			<b>16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping</b> <small>(33 42 11 00-0442)</small>		
33 42 11 00-0444	LF		18" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	47.20	10.76
			<i>For Bituminous Coated Pipe, Add</i>	6.11	
33 42 11 00-0445	LF		21" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	53.88	11.65
			<i>For Bituminous Coated Pipe, Add</i>	7.28	
33 42 11 00-0446	LF		24" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	60.06	12.55
			<i>For Bituminous Coated Pipe, Add</i>	8.27	
33 42 11 00-0447	LF		30" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	78.79	16.13
			<i>For Bituminous Coated Pipe, Add</i>	10.65	
33 42 11 00-0448	LF		36" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	102.18	21.16
			<i>For Bituminous Coated Pipe, Add</i>	13.35	
33 42 11 00-0449	LF		42" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	116.53	25.01
			<i>For Bituminous Coated Pipe, Add</i>	15.74	
33 42 11 00-0450	LF		48" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	131.28	28.85
			<i>For Bituminous Coated Pipe, Add</i>	17.72	
33 42 11 00-0451	LF		54" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	156.52	32.70
			<i>For Bituminous Coated Pipe, Add</i>	21.70	
33 42 11 00-0452	LF		60" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	170.76	34.63
			<i>For Bituminous Coated Pipe, Add</i>	23.70	
33 42 11 00-0453			<b>14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping</b> <small>(33 42 11 00-0442)</small>		
33 42 11 00-0454	LF		18" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	51.58	10.76
			<i>For Bituminous Coated Pipe, Add</i>	7.07	
33 42 11 00-0455	LF		21" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	59.00	11.65
			<i>For Bituminous Coated Pipe, Add</i>	8.40	
33 42 11 00-0456	LF		24" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	65.88	12.55
			<i>For Bituminous Coated Pipe, Add</i>	9.54	
33 42 11 00-0457	LF		30" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	86.03	16.13
			<i>For Bituminous Coated Pipe, Add</i>	12.23	
33 42 11 00-0458	LF		36" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	110.90	21.16
			<i>For Bituminous Coated Pipe, Add</i>	15.25	
33 42 11 00-0459	LF		42" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	126.73	25.01
			<i>For Bituminous Coated Pipe, Add</i>	17.96	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 42 11 00-0460	LF		48" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	142.93 20.26	28.85
	33 42 11 00-0461	LF		54" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	169.61 24.54	32.70
	33 42 11 00-0462	LF		60" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	185.33 26.86	34.63
	33 42 11 00-0463	LF		66" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	227.32 33.37	42.32
	33 42 11 00-0464	LF		72" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	276.76 35.65	61.55
	33 42 11 00-0465	LF		78" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	299.07 37.98	67.33
<b>33 42 11 00-0466</b>				<b>12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping</b> <small>(33 42 11 00-0442)</small>		
	33 42 11 00-0467	LF		30" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	100.71 12.78	16.13
	33 42 11 00-0468	LF		36" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	128.44 15.79	21.16
	33 42 11 00-0469	LF		42" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	147.27 18.58	25.01
	33 42 11 00-0470	LF		48" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	166.36 21.00	28.85
	33 42 11 00-0471	LF		54" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	196.00 25.07	32.70
	33 42 11 00-0472	LF		60" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	214.69 27.52	34.63
	33 42 11 00-0473	LF		66" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	259.53 33.39	42.32
	33 42 11 00-0474	LF		72" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	311.88 35.81	61.55
	33 42 11 00-0475	LF		78" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	337.08 38.26	67.33
	33 42 11 00-0476	LF		84" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	359.58 40.69	72.14
	33 42 11 00-0477	LF		90" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	382.06 43.12	76.95
	33 42 11 00-0478	LF		96" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	405.25 45.55	81.76
	33 42 11 00-0479	LF		102" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	429.64 47.72	86.56
<b>33 42 11 00-0480</b>				<b>1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping</b> <small>(33 42 11 00-0300)</small>		
<b>33 42 11 00-0481</b>				<b>1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping</b> <small>(33 42 11 00-0480)</small>		
	33 42 11 00-0482	LF		6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	17.13 1.56	5.37
	33 42 11 00-0483	LF		6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	18.44 1.88	5.37
	33 42 11 00-0484	LF		8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	21.46 2.07	6.72
	33 42 11 00-0485	LF		8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	23.12 2.47	6.72
	33 42 11 00-0486	LF		10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	27.14 2.59	8.06
	33 42 11 00-0487	LF		10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	29.24 3.11	8.06
<b>33 42 11 00-0488</b>				<b>Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping</b> <small>(33 42 11 00-0480)</small>		
	33 42 11 00-0489	LF		6" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	17.31 1.54	5.37
	33 42 11 00-0490	LF		6" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	18.58 1.84	5.37
	33 42 11 00-0491	LF		8" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	21.64 2.02	6.72
	33 42 11 00-0492	LF		8" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	23.40 2.44	6.72
	33 42 11 00-0493	LF		10" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	27.46 2.56	8.06
	33 42 11 00-0494	LF		10" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	29.61 3.07	8.06
<b>33 42 11 00-0495</b>				<b>1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe Fittings</b> <small>(33 42 11 00-0480)</small>		
	33 42 11 00-0496	EA		6" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	9.64 2.17	
	33 42 11 00-0497	EA		8" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	12.76 2.87	
	33 42 11 00-0498	EA		10" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	15.65 3.52	
	33 42 11 00-0499	EA		6" 18 Gauge, Band Elbows For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	34.78 4.80	
	33 42 11 00-0500	EA		6" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	8.12 1.09	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

33 42 11 00-0501	EA	8" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe For Bituminous Coated Pipe, Add	10.22	
			1.64	
33 42 11 00-0502		2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0300)		
33 42 11 00-0503		16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0502)		
33 42 11 00-0504	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	52.09	9.40
33 42 11 00-0505	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	61.23	9.86
33 42 11 00-0506	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	70.67	10.76
33 42 11 00-0507	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	82.04	11.65
33 42 11 00-0508	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	91.48	12.55
33 42 11 00-0509	LF	30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	119.79	16.13
33 42 11 00-0510	LF	36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	154.34	21.16
33 42 11 00-0511	LF	42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	178.44	25.01
33 42 11 00-0512	LF	48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	200.29	28.85
33 42 11 00-0513		14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0502)		
33 42 11 00-0514	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	59.13	9.40
33 42 11 00-0515	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	69.96	9.86
33 42 11 00-0516	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	81.12	10.76
33 42 11 00-0517	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	94.14	11.65
33 42 11 00-0518	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	105.53	12.55
33 42 11 00-0519	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	137.04	16.13
33 42 11 00-0520	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	175.17	21.16
33 42 11 00-0521	LF	42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	202.35	25.01
33 42 11 00-0522	LF	48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	227.57	28.85
33 42 11 00-0523	LF	54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	275.33	32.70
33 42 11 00-0524		12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0502)		
33 42 11 00-0525	LF	18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	102.90	10.76
33 42 11 00-0526	LF	21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	119.57	11.65
33 42 11 00-0527	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	134.45	12.55
33 42 11 00-0528	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	173.17	16.13
33 42 11 00-0529	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	209.66	21.16
33 42 11 00-0530	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	252.88	25.01
33 42 11 00-0531	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	285.24	28.85
33 42 11 00-0532	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	341.13	32.70
33 42 11 00-0533	LF	60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	372.75	34.63
33 42 11 00-0534	LF	66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	456.41	42.32
33 42 11 00-0535		10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0502)		
33 42 11 00-0536	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	258.12	21.16
33 42 11 00-0537	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	298.92	25.01
33 42 11 00-0538	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	337.53	28.85
33 42 11 00-0539	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	399.71	32.70
33 42 11 00-0540	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	437.97	34.63
33 42 11 00-0541	LF	66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	528.03	42.32
33 42 11 00-0542	LF	72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	599.70	61.55
33 42 11 00-0543		3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0300)		
33 42 11 00-0544		16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0543)		
33 42 11 00-0545	LF	36" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	194.33	21.16
33 42 11 00-0546	LF	42" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	224.55	25.01
33 42 11 00-0547	LF	48" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	251.99	28.85
33 42 11 00-0548	LF	54" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	304.73	32.70
33 42 11 00-0549	LF	60" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	331.81	34.63
33 42 11 00-0550	LF	66" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	422.13	42.32
33 42 11 00-0551	LF	72" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	483.77	61.55
33 42 11 00-0552	LF	78" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	518.08	67.33
33 42 11 00-0553	LF	84" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	549.84	72.14
33 42 11 00-0554	LF	90" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	581.63	76.95
33 42 11 00-0555	LF	96" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	614.04	81.76
33 42 11 00-0556	LF	102" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	649.25	86.56
33 42 11 00-0557		14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0543)		
33 42 11 00-0558	LF	54" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	342.39	32.70
33 42 11 00-0559	LF	60" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	373.44	34.63
33 42 11 00-0560	LF	66" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	467.99	42.32
33 42 11 00-0561	LF	72" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	533.64	61.55
33 42 11 00-0562	LF	78" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	572.02	67.33
33 42 11 00-0563	LF	84" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	608.01	72.14
33 42 11 00-0564	LF	90" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	643.76	76.95
33 42 11 00-0565	LF	96" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	680.20	81.76
33 42 11 00-0566	LF	102" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	719.53	86.56
33 42 11 00-0567	LF	108" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	760.99	96.18
33 42 11 00-0568	LF	114" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	801.57	105.80

<b>33 42 11 00-0569</b>	<b>12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping</b> (33 42 11 00-0543)		
33 42 11 00-0570	LF 60" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	468.14	34.63
33 42 11 00-0571	LF 66" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	573.34	42.32
33 42 11 00-0572	LF 72" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	648.13	61.55
33 42 11 00-0573	LF 78" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	695.69	67.33
33 42 11 00-0574	LF 84" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	740.81	72.14
33 42 11 00-0575	LF 90" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	785.76	76.95
33 42 11 00-0576	LF 96" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	831.46	81.76
33 42 11 00-0577	LF 102" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	879.90	86.56
33 42 11 00-0578	LF 108" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	930.43	96.18
33 42 11 00-0579	LF 114" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	980.32	105.80
33 42 11 00-0580	LF 120" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,029.41	115.42
<b>33 42 11 00-0581</b>	<b>10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping</b> (33 42 11 00-0543)		
33 42 11 00-0582	LF 72" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	752.46	61.55
33 42 11 00-0583	LF 78" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	808.52	67.33
33 42 11 00-0584	LF 84" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	862.21	72.14
33 42 11 00-0585	LF 90" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	915.69	76.95
33 42 11 00-0586	LF 96" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	969.98	81.76
33 42 11 00-0587	LF 102" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,026.98	86.56
33 42 11 00-0588	LF 108" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,086.08	96.18
33 42 11 00-0589	LF 114" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,144.48	105.80
33 42 11 00-0590	LF 120" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,202.14	115.42
33 42 11 00-0591	LF 126" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,261.37	125.04
33 42 11 00-0592	LF 132" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,323.25	134.66
33 42 11 00-0593	LF 138" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,388.09	144.27
<b>33 42 11 00-0594</b>	<b>125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping</b> (33 42 11 00-0300)		
<b>33 42 11 00-0595</b>	<b>16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping</b> (33 42 11 00-0594)		
33 42 11 00-0596	LF 48" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	243.87	28.85
33 42 11 00-0597	LF 54" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	295.79	32.70
33 42 11 00-0598	LF 60" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	321.57	34.63
33 42 11 00-0599	LF 66" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	403.11	42.32
33 42 11 00-0600	LF 72" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	463.18	61.55
33 42 11 00-0601	LF 78" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	495.87	67.33
33 42 11 00-0602	LF 84" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	525.80	72.14
33 42 11 00-0603	LF 90" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	555.65	76.95
33 42 11 00-0604	LF 96" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	586.53	81.76
33 42 11 00-0605	LF 102" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	620.61	86.56
<b>33 42 11 00-0606</b>	<b>14 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping</b> (33 42 11 00-0594)		
33 42 11 00-0607	LF 54" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	340.52	32.70
33 42 11 00-0608	LF 60" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	371.39	34.63
33 42 11 00-0609	LF 66" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	457.44	42.32
33 42 11 00-0610	LF 72" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	521.90	61.55
33 42 11 00-0611	LF 78" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	559.89	67.33
33 42 11 00-0612	LF 84" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	594.80	72.14
33 42 11 00-0613	LF 90" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	627.15	76.95
33 42 11 00-0614	LF 96" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	665.28	81.76
33 42 11 00-0615	LF 102" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	703.53	86.56
33 42 11 00-0616	LF 108" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	743.72	96.18
33 42 11 00-0617	LF 114" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	784.18	105.80
<b>33 42 11 00-0618</b>	<b>12 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping</b> (33 42 11 00-0594)		
33 42 11 00-0619	LF 60" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	471.25	34.63
33 42 11 00-0620	LF 66" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	567.92	42.32
33 42 11 00-0621	LF 72" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	642.81	61.55
33 42 11 00-0622	LF 78" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	689.98	67.33
33 42 11 00-0623	LF 84" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	734.25	72.14
33 42 11 00-0624	LF 90" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	779.08	76.95
33 42 11 00-0625	LF 96" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	824.34	81.76
33 42 11 00-0626	LF 102" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	872.09	86.56
33 42 11 00-0627	LF 108" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	922.47	96.18
33 42 11 00-0628	LF 114" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	972.20	105.80
33 42 11 00-0629	LF 120" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,020.69	115.42
<b>33 42 11 00-0630</b>	<b>10 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping</b> (33 42 11 00-0594)		
33 42 11 00-0631	LF 72" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	752.41	61.55
33 42 11 00-0632	LF 78" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	809.78	67.33
33 42 11 00-0633	LF 84" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	863.65	72.14
33 42 11 00-0634	LF 90" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	917.09	76.95

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

33 42 11 00-0635	LF	96" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	971.64	81.76
33 42 11 00-0636	LF	102" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,028.55	86.56
33 42 11 00-0637	LF	108" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,087.91	96.18
33 42 11 00-0638	LF	114" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,146.83	105.80
33 42 11 00-0639	LF	120" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,204.36	115.42
33 42 11 00-0640	LF	126" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,277.78	125.04
33 42 11 00-0641	LF	132" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,343.41	134.66
33 42 11 00-0642	LF	138" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,413.77	144.27
33 42 11 00-0643		<b>Galvanized Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0299)</small>		
33 42 11 00-0644		<b>2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0643)</small>		
33 42 11 00-0645		<b>16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0644)</small>		
33 42 11 00-0646	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	38.08	9.86
		<i>For Bituminous Coated Pipe, Add</i>	4.44	
		<i>For Bituminous Coated And 25% Paved, Add</i>	10.74	
		<i>For Smooth-Flo, Add</i>	17.72	
33 42 11 00-0647	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	42.29	10.76
		<i>For Bituminous Coated Pipe, Add</i>	5.31	
		<i>For Bituminous Coated And 25% Paved, Add</i>	12.83	
		<i>For Smooth-Flo, Add</i>	21.16	
33 42 11 00-0648	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	48.29	11.65
		<i>For Bituminous Coated Pipe, Add</i>	6.39	
		<i>For Bituminous Coated And 25% Paved, Add</i>	15.44	
		<i>For Smooth-Flo, Add</i>	25.47	
33 42 11 00-0649	LF	28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	54.14	12.55
		<i>For Bituminous Coated Pipe, Add</i>	7.36	
		<i>For Bituminous Coated And 25% Paved, Add</i>	17.80	
		<i>For Smooth-Flo, Add</i>	29.35	
33 42 11 00-0650	LF	35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	70.61	16.13
		<i>For Bituminous Coated Pipe, Add</i>	9.34	
		<i>For Bituminous Coated And 25% Paved, Add</i>	22.59	
		<i>For Smooth-Flo, Add</i>	37.27	
33 42 11 00-0651	LF	42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	93.30	21.16
		<i>For Bituminous Coated Pipe, Add</i>	12.05	
		<i>For Bituminous Coated And 25% Paved, Add</i>	29.14	
		<i>For Smooth-Flo, Add</i>	48.07	
33 42 11 00-0652		<b>14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0644)</small>		
33 42 11 00-0653	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	41.68	9.86
		<i>For Bituminous Coated Pipe, Add</i>	4.61	
		<i>For Bituminous Coated And 25% Paved, Add</i>	10.78	
		<i>For Smooth-Flo, Add</i>	17.69	
33 42 11 00-0654	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	46.70	10.76
		<i>For Bituminous Coated Pipe, Add</i>	5.53	
		<i>For Bituminous Coated And 25% Paved, Add</i>	12.94	
		<i>For Smooth-Flo, Add</i>	21.22	
33 42 11 00-0655	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	53.21	11.65
		<i>For Bituminous Coated Pipe, Add</i>	6.57	
		<i>For Bituminous Coated And 25% Paved, Add</i>	15.38	
		<i>For Smooth-Flo, Add</i>	25.22	
33 42 11 00-0656	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	59.83	12.55
		<i>For Bituminous Coated Pipe, Add</i>	7.58	
		<i>For Bituminous Coated And 25% Paved, Add</i>	17.73	
		<i>For Smooth-Flo, Add</i>	29.08	
33 42 11 00-0657	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	77.72	16.13
		<i>For Bituminous Coated Pipe, Add</i>	9.60	
		<i>For Bituminous Coated And 25% Paved, Add</i>	22.45	
		<i>For Smooth-Flo, Add</i>	36.83	
33 42 11 00-0658	LF	42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	101.75	21.16
		<i>For Bituminous Coated Pipe, Add</i>	12.22	
		<i>For Bituminous Coated And 25% Paved, Add</i>	28.60	
		<i>For Smooth-Flo, Add</i>	46.91	
33 42 11 00-0659	LF	49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	116.70	25.01
		<i>For Bituminous Coated Pipe, Add</i>	14.56	
		<i>For Bituminous Coated And 25% Paved, Add</i>	34.07	
		<i>For Smooth-Flo, Add</i>	55.88	
33 42 11 00-0660		<b>12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0644)</small>		
33 42 11 00-0661	LF	21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	60.84	11.54
		<i>For Bituminous Coated Pipe, Add</i>	5.98	
		<i>For Bituminous Coated And 25% Paved, Add</i>	13.31	
		<i>For Smooth-Flo, Add</i>	20.47	
33 42 11 00-0662	LF	24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	69.35	12.51
		<i>For Bituminous Coated Pipe, Add</i>	7.09	
		<i>For Bituminous Coated And 25% Paved, Add</i>	15.79	
		<i>For Smooth-Flo, Add</i>	24.27	
33 42 11 00-0663	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	77.81	13.46
		<i>For Bituminous Coated Pipe, Add</i>	8.14	
		<i>For Bituminous Coated And 25% Paved, Add</i>	18.11	
		<i>For Smooth-Flo, Add</i>	27.84	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0664	LF			35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	100.64 10.24 22.80 35.05	17.31
33 42 11 00-0665	LF			42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	118.98 12.82 28.52 43.86	21.16
33 42 11 00-0666	LF			49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	136.59 15.16 33.73 51.87	25.01
33 42 11 00-0667	LF			57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	159.16 17.98 40.01 61.52	28.85
33 42 11 00-0668	LF			64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	178.13 19.85 44.18 67.94	32.70
<b>33 42 11 00-0669</b>				<b>10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0644)</small>		
33 42 11 00-0670	LF			42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	135.21 15.44 32.52 41.01	21.16
33 42 11 00-0671	LF			49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	155.51 18.22 38.35 48.37	25.01
33 42 11 00-0672	LF			57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	180.60 21.44 45.13 56.91	28.85
33 42 11 00-0673	LF			64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	202.36 23.77 50.04 63.10	32.70
33 42 11 00-0674	LF			71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	221.65 26.09 54.93 69.28	34.63
<b>33 42 11 00-0675</b>				<b>3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0643)</small>		
<b>33 42 11 00-0676</b>				<b>14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0675)</small>		
33 42 11 00-0677	LF			60" x 46" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	177.89 22.90 69.63 77.87	32.70
33 42 11 00-0678	LF			66" x 51" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	194.39 25.07 76.20 85.22	34.63
33 42 11 00-0679	LF			73" x 55" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	240.28 31.48 95.71 107.04	42.32
33 42 11 00-0680	LF			81" x 59" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	291.17 33.75 102.60 114.75	61.55
33 42 11 00-0681	LF			87" x 63" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	315.33 36.13 109.85 122.86	67.33
33 42 11 00-0682	LF			95" x 67" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	336.92 38.53 117.13 131.00	72.14
33 42 11 00-0683	LF			103" x 71" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	358.46 40.91 124.38 139.11	76.95
33 42 11 00-0684	LF			112" x 75" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	380.67 43.29 131.60 147.19	81.76
<b>33 42 11 00-0685</b>				<b>12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0675)</small>		
33 42 11 00-0686	LF			66" x 51" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	231.69 32.53 85.22 100.83	34.63

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

33 42 11 00-0687	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	281.65	42.32
		<i>For Bituminous Coated Pipe, Add</i>	39.76	
		<i>For Bituminous Coated And 25% Paved, Add</i>	104.16	
		<i>For Smooth-Flo, Add</i>	123.24	
33 42 11 00-0688	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	336.21	61.55
		<i>For Bituminous Coated Pipe, Add</i>	42.76	
		<i>For Bituminous Coated And 25% Paved, Add</i>	112.03	
		<i>For Smooth-Flo, Add</i>	132.55	
33 42 11 00-0689	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	364.01	67.33
		<i>For Bituminous Coated Pipe, Add</i>	45.87	
		<i>For Bituminous Coated And 25% Paved, Add</i>	120.18	
		<i>For Smooth-Flo, Add</i>	142.20	
33 42 11 00-0690	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	389.24	72.14
		<i>For Bituminous Coated Pipe, Add</i>	48.99	
		<i>For Bituminous Coated And 25% Paved, Add</i>	128.36	
		<i>For Smooth-Flo, Add</i>	151.88	
33 42 11 00-0691	LF	103" x 71" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	414.44	76.95
		<i>For Bituminous Coated Pipe, Add</i>	52.11	
		<i>For Bituminous Coated And 25% Paved, Add</i>	136.53	
		<i>For Smooth-Flo, Add</i>	161.54	
33 42 11 00-0692	LF	112" x 75" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	440.29	81.76
		<i>For Bituminous Coated Pipe, Add</i>	55.21	
		<i>For Bituminous Coated And 25% Paved, Add</i>	144.66	
		<i>For Smooth-Flo, Add</i>	171.16	
33 42 11 00-0693	LF	117" x 79" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	468.93	86.56
		<i>For Bituminous Coated Pipe, Add</i>	58.35	
		<i>For Bituminous Coated And 25% Paved, Add</i>	152.88	
		<i>For Smooth-Flo, Add</i>	180.89	
33 42 11 00-0694	LF	128" x 83" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	499.71	96.18
		<i>For Bituminous Coated Pipe, Add</i>	61.47	
		<i>For Bituminous Coated And 25% Paved, Add</i>	161.05	
		<i>For Smooth-Flo, Add</i>	190.55	
33 42 11 00-0695	LF	137" x 87" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	531.64	105.80
		<i>For Bituminous Coated Pipe, Add</i>	64.90	
		<i>For Bituminous Coated And 25% Paved, Add</i>	170.03	
		<i>For Smooth-Flo, Add</i>	201.18	
<b>33 42 11 00-0696</b>		<b>10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0675)</small>		
33 42 11 00-0697	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	378.06	61.55
		<i>For Bituminous Coated Pipe, Add</i>	51.13	
		<i>For Bituminous Coated And 25% Paved, Add</i>	121.68	
		<i>For Smooth-Flo, Add</i>	132.17	
33 42 11 00-0698	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	409.32	67.33
		<i>For Bituminous Coated Pipe, Add</i>	54.93	
		<i>For Bituminous Coated And 25% Paved, Add</i>	130.74	
		<i>For Smooth-Flo, Add</i>	142.00	
33 42 11 00-0699	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	437.98	72.14
		<i>For Bituminous Coated Pipe, Add</i>	58.74	
		<i>For Bituminous Coated And 25% Paved, Add</i>	139.81	
		<i>For Smooth-Flo, Add</i>	151.85	
33 42 11 00-0700	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	466.55	76.95
		<i>For Bituminous Coated Pipe, Add</i>	62.53	
		<i>For Bituminous Coated And 25% Paved, Add</i>	148.83	
		<i>For Smooth-Flo, Add</i>	161.65	
33 42 11 00-0701	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	495.87	81.76
		<i>For Bituminous Coated Pipe, Add</i>	66.33	
		<i>For Bituminous Coated And 25% Paved, Add</i>	157.87	
		<i>For Smooth-Flo, Add</i>	171.46	
33 42 11 00-0702	LF	117" x 79" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	527.90	86.56
		<i>For Bituminous Coated Pipe, Add</i>	70.15	
		<i>For Bituminous Coated And 25% Paved, Add</i>	166.95	
		<i>For Smooth-Flo, Add</i>	181.33	
33 42 11 00-0703	LF	128" x 83" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	562.12	96.18
		<i>For Bituminous Coated Pipe, Add</i>	73.95	
		<i>For Bituminous Coated And 25% Paved, Add</i>	176.00	
		<i>For Smooth-Flo, Add</i>	191.16	
33 42 11 00-0704	LF	137" x 87" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	597.21	105.80
		<i>For Bituminous Coated Pipe, Add</i>	78.01	
		<i>For Bituminous Coated And 25% Paved, Add</i>	185.66	
		<i>For Smooth-Flo, Add</i>	201.66	
33 42 11 00-0705	LF	142" x 91" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	635.18	115.42
		<i>For Bituminous Coated Pipe, Add</i>	82.89	
		<i>For Bituminous Coated And 25% Paved, Add</i>	197.27	
		<i>For Smooth-Flo, Add</i>	214.26	
<b>33 42 11 00-0706</b>		<b>125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0643)</small>		
<b>33 42 11 00-0707</b>		<b>12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0706)</small>		
33 42 11 00-0708	LF	81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	340.32	61.55
		<i>For Bituminous Coated Pipe, Add</i>	43.58	
		<i>For Bituminous Coated And 25% Paved, Add</i>	106.34	
		<i>For Smooth-Flo, Add</i>	135.32	
33 42 11 00-0709	LF	87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	367.71	67.33
		<i>For Bituminous Coated Pipe, Add</i>	46.61	
		<i>For Bituminous Coated And 25% Paved, Add</i>	113.73	
		<i>For Smooth-Flo, Add</i>	144.72	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 11 00-0710	LF			95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	392.30	72.14
				<i>For Bituminous Coated Pipe, Add</i>	49.61	
				<i>For Bituminous Coated And 25% Paved, Add</i>	121.04	
				<i>For Smooth-Flo, Add</i>	154.03	
33 42 11 00-0711	LF			103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	416.90	76.95
				<i>For Bituminous Coated Pipe, Add</i>	52.60	
				<i>For Bituminous Coated And 25% Paved, Add</i>	128.35	
				<i>For Smooth-Flo, Add</i>	163.33	
33 42 11 00-0712	LF			112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	442.31	81.76
				<i>For Bituminous Coated Pipe, Add</i>	55.62	
				<i>For Bituminous Coated And 25% Paved, Add</i>	135.71	
				<i>For Smooth-Flo, Add</i>	172.69	
33 42 11 00-0713	LF			117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	470.61	86.56
				<i>For Bituminous Coated Pipe, Add</i>	58.69	
				<i>For Bituminous Coated And 25% Paved, Add</i>	143.20	
				<i>For Smooth-Flo, Add</i>	182.23	
33 42 11 00-0714	LF			128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	501.06	96.18
				<i>For Bituminous Coated Pipe, Add</i>	61.74	
				<i>For Bituminous Coated And 25% Paved, Add</i>	150.64	
				<i>For Smooth-Flo, Add</i>	191.70	
33 42 11 00-0715	LF			137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	534.97	105.80
				<i>For Bituminous Coated Pipe, Add</i>	65.56	
				<i>For Bituminous Coated And 25% Paved, Add</i>	159.97	
				<i>For Smooth-Flo, Add</i>	203.57	

**33 42 11 00-0716 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch** (33 42 11 00-0706)

33 42 11 00-0717	LF			81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	386.64	61.55
				<i>For Bituminous Coated Pipe, Add</i>	52.84	
				<i>For Bituminous Coated And 25% Paved, Add</i>	119.43	
				<i>For Smooth-Flo, Add</i>	129.73	
33 42 11 00-0718	LF			87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	417.73	67.33
				<i>For Bituminous Coated Pipe, Add</i>	56.61	
				<i>For Bituminous Coated And 25% Paved, Add</i>	127.95	
				<i>For Smooth-Flo, Add</i>	138.99	
33 42 11 00-0719	LF			95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	446.09	72.14
				<i>For Bituminous Coated Pipe, Add</i>	60.36	
				<i>For Bituminous Coated And 25% Paved, Add</i>	136.42	
				<i>For Smooth-Flo, Add</i>	148.19	
33 42 11 00-0720	LF			103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	474.56	76.95
				<i>For Bituminous Coated Pipe, Add</i>	64.13	
				<i>For Bituminous Coated And 25% Paved, Add</i>	144.94	
				<i>For Smooth-Flo, Add</i>	157.45	
33 42 11 00-0721	LF			112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	503.11	81.76
				<i>For Bituminous Coated Pipe, Add</i>	67.78	
				<i>For Bituminous Coated And 25% Paved, Add</i>	153.18	
				<i>For Smooth-Flo, Add</i>	166.39	
33 42 11 00-0722	LF			117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	535.68	86.56
				<i>For Bituminous Coated Pipe, Add</i>	71.70	
				<i>For Bituminous Coated And 25% Paved, Add</i>	162.05	
				<i>For Smooth-Flo, Add</i>	176.03	
33 42 11 00-0723	LF			128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	569.97	96.18
				<i>For Bituminous Coated Pipe, Add</i>	75.52	
				<i>For Bituminous Coated And 25% Paved, Add</i>	170.68	
				<i>For Smooth-Flo, Add</i>	185.40	
33 42 11 00-0724	LF			137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	607.68	105.80
				<i>For Bituminous Coated Pipe, Add</i>	80.10	
				<i>For Bituminous Coated And 25% Paved, Add</i>	181.04	
				<i>For Smooth-Flo, Add</i>	196.66	
33 42 11 00-0725	LF			142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	642.92	115.42
				<i>For Bituminous Coated Pipe, Add</i>	84.43	
				<i>For Bituminous Coated And 25% Paved, Add</i>	190.82	
				<i>For Smooth-Flo, Add</i>	207.29	

**33 42 11 00-0726 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch** (33 42 11 00-0643)

**33 42 11 00-0727 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch** (33 42 11 00-0726)

33 42 11 00-0728	LF			17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	61.29	9.86
33 42 11 00-0729	LF			21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	70.03	10.76
33 42 11 00-0730	LF			24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	81.76	11.65
33 42 11 00-0731	LF			28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	92.76	12.55
33 42 11 00-0732	LF			35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	119.82	16.13
33 42 11 00-0733	LF			42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	157.21	21.16

**33 42 11 00-0734 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch** (33 42 11 00-0726)

33 42 11 00-0735	LF			17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	69.58	9.86
33 42 11 00-0736	LF			21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	80.15	10.76
33 42 11 00-0737	LF			24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	93.06	11.65
33 42 11 00-0738	LF			28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	105.90	12.55
33 42 11 00-0739	LF			35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	136.15	16.13
33 42 11 00-0740	LF			42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	176.64	21.16
33 42 11 00-0741	LF			49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	206.10	25.01

## 33 Utilities

## 33 40 Stormwater Utilities

## 33 42 Stormwater Conveyance

 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0742			12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch		
33 42 11 00-0743	LF		21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch ..... 104.96	104.96	10.76
33 42 11 00-0744	LF		24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch ..... 122.45	122.45	11.65
33 42 11 00-0745	LF		28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch ..... 139.18	139.18	12.55
33 42 11 00-0746	LF		35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch ..... 177.69	177.69	16.13
33 42 11 00-0747	LF		42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch ..... 226.81	226.81	21.16
33 42 11 00-0748	LF		49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch ..... 264.53	264.53	25.01
33 42 11 00-0749	LF		57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch ..... 311.91	311.91	28.85
33 42 11 00-0750	LF		64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch ..... 346.36	346.36	32.70
33 42 11 00-0751			10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch		
33 42 11 00-0752	LF		42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch ..... 266.16	266.16	21.16
33 42 11 00-0753	LF		49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch ..... 310.45	310.45	25.01
33 42 11 00-0754	LF		57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch ..... 363.96	363.96	28.85
33 42 11 00-0755	LF		64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch ..... 405.21	405.21	32.70
33 42 11 00-0756	LF		64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch ..... 443.89	443.89	34.63
33 42 11 00-0757			3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch		
33 42 11 00-0758			14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch		
33 42 11 00-0759	LF		60" x 46" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch ..... 349.78	349.78	32.70
33 42 11 00-0760	LF		66" x 51" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch ..... 382.13	382.13	34.63
33 42 11 00-0761	LF		73" x 55" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch ..... 478.08	478.08	42.32
33 42 11 00-0762	LF		81" x 59" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch ..... 545.76	545.76	61.55
33 42 11 00-0763	LF		87" x 63" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch ..... 587.58	587.58	67.33
33 42 11 00-0764	LF		95" x 67" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch ..... 626.90	626.90	72.14
33 42 11 00-0765	LF		103" x 71" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch ..... 666.06	666.06	76.95
33 42 11 00-0766	LF		112" x 75" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch ..... 706.00	706.00	81.76
33 42 11 00-0767			12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch		
33 42 11 00-0768	LF		66" x 51" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch ..... 477.02	477.02	34.63
33 42 11 00-0769	LF		73" x 55" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch ..... 583.70	583.70	42.32
33 42 11 00-0770	LF		81" x 59" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch ..... 660.72	660.72	61.55
33 42 11 00-0771	LF		87" x 63" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch ..... 711.70	711.70	67.33
33 42 11 00-0772	LF		95" x 67" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch ..... 760.23	760.23	72.14
33 42 11 00-0773	LF		103" x 71" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch ..... 808.71	808.71	76.95
33 42 11 00-0774	LF		112" x 75" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch ..... 857.77	857.77	81.76
33 42 11 00-0775	LF		117" x 79" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch ..... 909.77	909.77	86.56
33 42 11 00-0776	LF		128" x 83" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch ..... 963.83	963.83	96.18
33 42 11 00-0777	LF		137" x 87" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch ..... 1,021.35	1,021.35	105.80
33 42 11 00-0778			10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch		
33 42 11 00-0779	LF		81" x 59" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch ..... 765.01	765.01	61.55
33 42 11 00-0780	LF		87" x 63" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch ..... 824.62	824.62	67.33
33 42 11 00-0781	LF		95" x 67" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch ..... 881.77	881.77	72.14
33 42 11 00-0782	LF		103" x 71" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch ..... 938.62	938.62	76.95
33 42 11 00-0783	LF		112" x 75" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch ..... 996.27	996.27	81.76
33 42 11 00-0784	LF		117" x 79" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch ..... 1,056.80	1,056.80	86.56
33 42 11 00-0785	LF		128" x 83" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch ..... 1,119.45	1,119.45	96.18
33 42 11 00-0786	LF		137" x 87" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch ..... 1,184.80	1,184.80	105.80
33 42 11 00-0787	LF		142" x 91" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch ..... 1,259.12	1,259.12	115.42
33 42 11 00-0788			125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch		
33 42 11 00-0789			12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch		
33 42 11 00-0790	LF		81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch ..... 651.34	651.34	61.55
33 42 11 00-0791	LF		87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch ..... 699.98	699.98	67.33
33 42 11 00-0792	LF		95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch ..... 745.58	745.58	72.14
33 42 11 00-0793	LF		103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch ..... 791.14	791.14	76.95
33 42 11 00-0794	LF		112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch ..... 837.67	837.67	81.76
33 42 11 00-0795	LF		117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch ..... 887.49	887.49	86.56
33 42 11 00-0796	LF		128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch ..... 939.29	939.29	96.18
33 42 11 00-0797	LF		137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch ..... 999.98	999.98	105.80
33 42 11 00-0798			10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch		
33 42 11 00-0799	LF		81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch ..... 762.57	762.57	61.55
33 42 11 00-0800	LF		87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch ..... 820.05	820.05	67.33
33 42 11 00-0801	LF		95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch ..... 874.68	874.68	72.14
33 42 11 00-0802	LF		103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch ..... 929.56	929.56	76.95
33 42 11 00-0803	LF		112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch ..... 983.69	983.69	81.76
33 42 11 00-0804	LF		117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch ..... 1,043.70	1,043.70	86.56
33 42 11 00-0805	LF		128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch ..... 1,104.76	1,104.76	96.18
33 42 11 00-0806	LF		137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch ..... 1,174.70	1,174.70	105.80

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 11 00-0807	LF			142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	1,240.10	115.42
<b>33 42 11 00-0808</b>				<b>Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-0299)</small>		
<b>33 42 11 00-0809</b>				<b>2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-0808)</small>		
<b>33 42 11 00-0810</b>				<b>16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-0809)</small>		
33 42 11 00-0811	LF			12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	35.91	9.40
				<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	6.61	
33 42 11 00-0812	LF			15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	40.84	9.86
				<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	8.32	
33 42 11 00-0813	LF			18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	45.96	10.76
				<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	10.09	
33 42 11 00-0814	LF			21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	52.50	11.65
				<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	12.06	
33 42 11 00-0815	LF			24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	58.21	12.55
				<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	13.59	
33 42 11 00-0816	LF			30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	76.71	16.13
				<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	17.63	
33 42 11 00-0817	LF			36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	99.93	21.16
				<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	22.24	
33 42 11 00-0818	LF			42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	114.07	25.01
				<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	26.30	
33 42 11 00-0819	LF			48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	128.19	28.85
				<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	29.47	
<b>33 42 11 00-0820</b>				<b>14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-0809)</small>		
33 42 11 00-0821	LF			12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	39.48	9.40
				<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	6.28	
33 42 11 00-0822	LF			15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	45.25	9.86
				<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	7.88	
33 42 11 00-0823	LF			18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	51.21	10.76
				<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	9.52	
33 42 11 00-0824	LF			21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	58.59	11.65
				<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	11.32	
33 42 11 00-0825	LF			24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	65.28	12.55
				<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	12.82	
33 42 11 00-0826	LF			30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	85.36	16.13
				<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	16.47	
33 42 11 00-0827	LF			36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	110.40	21.16
				<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	20.64	
33 42 11 00-0828	LF			42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	126.13	25.01
				<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	24.31	
33 42 11 00-0829	LF			48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	141.92	28.85
				<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	27.30	
33 42 11 00-0830	LF			54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	169.95	32.70
				<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	33.57	
<b>33 42 11 00-0831</b>				<b>12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-0809)</small>		
33 42 11 00-0832	LF			18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	62.25	10.76
				<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	8.87	
33 42 11 00-0833	LF			21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	71.48	11.65
				<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	10.50	
33 42 11 00-0834	LF			24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	79.92	12.55
				<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	11.90	
33 42 11 00-0835	LF			30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	103.64	16.13
				<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	15.17	
33 42 11 00-0836	LF			36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	132.45	21.16
				<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	18.83	
33 42 11 00-0837	LF			42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	151.68	25.01
				<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	22.08	
33 42 11 00-0838	LF			48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	171.07	28.85
				<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	24.90	
33 42 11 00-0839	LF			54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	203.24	32.70
				<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	30.07	
33 42 11 00-0840	LF			60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	221.99	34.63
				<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	32.88	
33 42 11 00-0841	LF			66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	270.95	42.32
				<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	40.44	
<b>33 42 11 00-0842</b>				<b>10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-0809)</small>		
33 42 11 00-0843	LF			36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	152.27	21.16
				<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	20.62	
33 42 11 00-0844	LF			42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	174.87	25.01
				<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	24.17	
33 42 11 00-0845	LF			48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	197.40	28.85
				<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	27.29	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0846	LF	54"	10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	232.76 32.52	32.70
33 42 11 00-0847	LF	60"	10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	254.85 35.67	34.63
33 42 11 00-0848	LF	66"	10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	307.03 43.04	42.32
33 42 11 00-0849	LF	72"	10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	362.74 46.14	61.55
<b>33 42 11 00-0850</b>			<b>3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0808)</small></b>		
<b>33 42 11 00-0851</b>			<b>16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0850)</small></b>		
33 42 11 00-0852	LF	36"	16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	115.51 24.72	21.16
33 42 11 00-0853	LF	42"	16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	131.92 29.03	25.01
33 42 11 00-0854	LF	48"	16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	148.25 32.55	28.85
33 42 11 00-0855	LF	54"	16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	176.98 39.76	32.70
33 42 11 00-0856	LF	60"	16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	192.84 43.32	34.63
33 42 11 00-0857	LF	66"	16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	241.86 55.65	42.32
33 42 11 00-0858	LF	72"	16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	291.88 59.31	61.55
33 42 11 00-0859	LF	78"	16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	314.62 62.99	67.33
33 42 11 00-0860	LF	84"	16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	334.77 66.68	72.14
33 42 11 00-0861	LF	90"	16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	354.93 70.36	76.95
33 42 11 00-0862	LF	96"	16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	375.76 74.04	81.76
33 42 11 00-0863	LF	102"	16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	399.31 77.75	86.56
<b>33 42 11 00-0864</b>			<b>14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0850)</small></b>		
33 42 11 00-0865	LF	54"	14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	194.89 34.46	32.70
33 42 11 00-0866	LF	60"	14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	212.63 37.62	34.63
33 42 11 00-0867	LF	66"	14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	263.64 47.36	42.32
33 42 11 00-0868	LF	72"	14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	315.61 50.62	61.55
33 42 11 00-0869	LF	78"	14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	340.27 53.87	67.33
33 42 11 00-0870	LF	84"	14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	362.44 57.16	72.14
33 42 11 00-0871	LF	90"	14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	384.48 60.41	76.95
33 42 11 00-0872	LF	96"	14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	407.23 63.67	81.76
33 42 11 00-0873	LF	102"	14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	432.71 66.95	86.56
33 42 11 00-0874	LF	108"	14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	460.39 70.22	96.18
33 42 11 00-0875	LF	114"	14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	487.47 73.44	105.80
<b>33 42 11 00-0876</b>			<b>12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0850)</small></b>		
33 42 11 00-0877	LF	60"	12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	256.63 50.46	34.63
33 42 11 00-0878	LF	66"	12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	312.35 61.73	42.32
33 42 11 00-0879	LF	72"	12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	368.56 66.21	61.55
33 42 11 00-0880	LF	78"	12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	397.53 70.71	67.33
33 42 11 00-0881	LF	84"	12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	423.94 75.23	72.14
33 42 11 00-0882	LF	90"	12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	450.29 79.73	76.95
33 42 11 00-0883	LF	96"	12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	477.32 84.22	81.76
33 42 11 00-0884	LF	102"	12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	507.07 88.74	86.56
33 42 11 00-0885	LF	108"	12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	539.00 93.24	96.18
33 42 11 00-0886	LF	114"	12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	570.38 97.71	105.80
33 42 11 00-0887	LF	120"	12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	600.77 102.23	115.42

	MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>33 42 11 00-0888</b>		<b>10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-0888)</small>		
	33 42 11 00-0889	LF 72" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	417.95 81.27	61.55
	33 42 11 00-0890	LF 78" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	450.89 86.96	67.33
	33 42 11 00-0891	LF 84" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	481.37 92.70	72.14
	33 42 11 00-0892	LF 90" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	511.73 98.41	76.95
	33 42 11 00-0893	LF 96" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	542.86 104.13	81.76
	33 42 11 00-0894	LF 102" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	576.68 109.87	86.56
	33 42 11 00-0895	LF 108" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	612.62 115.57	96.18
	33 42 11 00-0896	LF 114" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	648.04 121.24	105.80
	33 42 11 00-0897	LF 120" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	682.51 126.98	115.42
	33 42 11 00-0898	LF 126" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	718.70 132.68	125.04
	33 42 11 00-0899	LF 132" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	757.36 138.41	134.66
	33 42 11 00-0900	LF 138" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	798.98 144.15	144.27
<b>33 42 11 00-0901</b>		<b>125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-0901)</small>		
<b>33 42 11 00-0902</b>		<b>16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-0902)</small>		
	33 42 11 00-0903	LF 48" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	148.82 40.33	28.85
	33 42 11 00-0904	LF 54" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	178.03 49.42	32.70
	33 42 11 00-0905	LF 60" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	193.75 53.74	34.63
	33 42 11 00-0906	LF 66" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	239.84 67.65	42.32
	33 42 11 00-0907	LF 72" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	289.62 72.06	61.55
	33 42 11 00-0908	LF 78" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	312.10 76.48	67.33
	33 42 11 00-0909	LF 84" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	331.87 80.86	72.14
	33 42 11 00-0910	LF 90" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	351.59 85.21	76.95
	33 42 11 00-0911	LF 96" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	372.22 89.65	81.76
	33 42 11 00-0912	LF 102" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	395.71 94.19	86.56
<b>33 42 11 00-0913</b>		<b>14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-0913)</small>		
	33 42 11 00-0914	LF 54" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	200.41 46.59	32.70
	33 42 11 00-0915	LF 60" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	218.69 50.87	34.63
	33 42 11 00-0916	LF 66" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	267.01 62.61	42.32
	33 42 11 00-0917	LF 72" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	319.01 66.84	61.55
	33 42 11 00-0918	LF 78" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	344.11 71.21	67.33
	33 42 11 00-0919	LF 84" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	366.38 75.52	72.14
	33 42 11 00-0920	LF 90" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	387.38 79.39	76.95
	33 42 11 00-0921	LF 96" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	411.58 84.10	81.76
	33 42 11 00-0922	LF 102" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	437.18 88.40	86.56
	33 42 11 00-0923	LF 108" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	464.91 92.66	96.18
	33 42 11 00-0924	LF 114" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	492.52 97.02	105.80
<b>33 42 11 00-0925</b>		<b>12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-0925)</small>		
	33 42 11 00-0926	LF 60" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	265.32 56.13	34.63

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**
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33 42 11 00-0927	LF	66" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	318.41	42.32
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	67.36	
33 42 11 00-0928	LF	72" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	375.30	61.55
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	72.32	
33 42 11 00-0929	LF	78" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	404.70	67.33
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	77.23	
33 42 11 00-0930	LF	84" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	431.38	72.14
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	82.11	
33 42 11 00-0931	LF	90" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	458.30	76.95
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	87.06	
33 42 11 00-0932	LF	96" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	485.77	81.76
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	91.96	
33 42 11 00-0933	LF	102" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	515.85	86.56
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	96.86	
33 42 11 00-0934	LF	108" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	548.32	96.18
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	101.80	
33 42 11 00-0935	LF	114" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	580.28	105.80
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	106.71	
33 42 11 00-0936	LF	120" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	611.04	115.42
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	111.62	

**33 42 11 00-0937 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping** (33 42 11 00-0901)

33 42 11 00-0938	LF	72" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	429.19	61.55
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	87.74	
33 42 11 00-0939	LF	78" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	463.61	67.33
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	94.08	
33 42 11 00-0940	LF	84" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	494.97	72.14
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	100.30	
33 42 11 00-0941	LF	90" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	526.14	76.95
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	106.46	
33 42 11 00-0942	LF	96" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	558.18	81.76
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	112.67	
33 42 11 00-0943	LF	102" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	592.74	86.56
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	118.85	
33 42 11 00-0944	LF	108" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	629.65	96.18
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	125.06	
33 42 11 00-0945	LF	114" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	666.12	105.80
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	131.26	
33 42 11 00-0946	LF	120" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	701.29	115.42
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	137.43	
33 42 11 00-0947	LF	126" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	745.29	125.04
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	145.59	
33 42 11 00-0948	LF	132" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	786.58	134.66
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	152.30	
33 42 11 00-0949	LF	138" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	831.70	144.27
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	159.27	

**33 42 11 00-0950 Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping** (33 42 11 00-0808)
**33 42 11 00-0951 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping** (33 42 11 00-0950)

33 42 11 00-0952	LF	18" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	51.98	10.76
33 42 11 00-0953	LF	21" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	59.47	11.65
33 42 11 00-0954	LF	24" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	66.46	12.55
33 42 11 00-0955	LF	30" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	86.77	16.13
33 42 11 00-0956	LF	36" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	111.74	21.16
33 42 11 00-0957	LF	42" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	127.71	25.01
33 42 11 00-0958	LF	48" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	144.04	28.85
33 42 11 00-0959	LF	54" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	170.89	32.70
33 42 11 00-0960	LF	60" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	186.71	34.63

**33 42 11 00-0961 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping** (33 42 11 00-0950)

33 42 11 00-0962	LF	18" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	57.17	10.76
33 42 11 00-0963	LF	21" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	65.53	11.65
33 42 11 00-0964	LF	24" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	73.32	12.55
33 42 11 00-0965	LF	30" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	95.36	16.13
33 42 11 00-0966	LF	36" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	122.08	21.16
33 42 11 00-0967	LF	42" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	139.79	25.01
33 42 11 00-0968	LF	48" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	157.84	28.85
33 42 11 00-0969	LF	54" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	186.41	32.70
33 42 11 00-0970	LF	60" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	204.02	34.63
33 42 11 00-0971	LF	66" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	248.05	42.32
33 42 11 00-0972	LF	72" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	299.35	61.55
33 42 11 00-0973	LF	78" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	323.51	67.33

**33 42 11 00-0974 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping** (33 42 11 00-0950)

33 42 11 00-0975	LF	30" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	112.76	16.13
33 42 11 00-0976	LF	36" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	142.92	21.16
33 42 11 00-0977	LF	42" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	164.20	25.01
33 42 11 00-0978	LF	48" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	185.68	28.85
33 42 11 00-0979	LF	54" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	217.71	32.70

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 11 00-0980	LF			60" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	238.86	34.63
33 42 11 00-0981	LF			66" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	286.30	42.32
33 42 11 00-0982	LF			72" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	341.03	61.55
33 42 11 00-0983	LF			78" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	368.65	67.33
33 42 11 00-0984	LF			84" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	393.54	72.14
33 42 11 00-0985	LF			90" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	418.48	76.95
33 42 11 00-0986	LF			96" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	444.03	81.76
33 42 11 00-0987	LF			102" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	470.58	86.56
<b>33 42 11 00-0988</b>				<b>Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-0299)</small></b>		
<b>33 42 11 00-0989</b>				<b>2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-0988)</small></b>		
<b>33 42 11 00-0990</b>				<b>16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-0989)</small></b>		
33 42 11 00-0991	LF			17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	42.05	9.86
				<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	10.75	
33 42 11 00-0992	LF			21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	47.04	10.76
				<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	12.85	
33 42 11 00-0993	LF			24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	53.98	11.65
				<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	15.45	
33 42 11 00-0994	LF			28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	60.70	12.55
				<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	17.81	
33 42 11 00-0995	LF			35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	78.96	16.13
				<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	22.62	
33 42 11 00-0996	LF			42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	104.07	21.16
				<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	29.18	
<b>33 42 11 00-0997</b>				<b>14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-0989)</small></b>		
33 42 11 00-0998	LF			17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	46.46	9.86
				<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	11.14	
33 42 11 00-0999	LF			21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	52.39	10.76
				<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	13.35	
33 42 11 00-1000	LF			24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	60.01	11.65
				<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	15.88	
33 42 11 00-1001	LF			28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	67.67	12.55
				<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	18.31	
33 42 11 00-1002	LF			35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	87.65	16.13
				<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	23.19	
33 42 11 00-1003	LF			42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	114.40	21.16
				<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	29.54	
33 42 11 00-1004	LF			49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	131.78	25.01
				<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	35.19	
<b>33 42 11 00-1005</b>				<b>12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-0989)</small></b>		
33 42 11 00-1006	LF			21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	63.29	10.76
				<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	12.23	
33 42 11 00-1007	LF			24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	72.93	11.65
				<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	14.53	
33 42 11 00-1008	LF			28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	82.31	12.55
				<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	16.68	
33 42 11 00-1009	LF			35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	105.93	16.13
				<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	21.05	
33 42 11 00-1010	LF			42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	136.49	21.16
				<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	26.47	
33 42 11 00-1011	LF			49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	157.53	25.01
				<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	31.37	
33 42 11 00-1012	LF			57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	184.51	28.85
				<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	37.36	
33 42 11 00-1013	LF			64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	205.87	32.70
				<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	41.18	
<b>33 42 11 00-1014</b>				<b>10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-0989)</small></b>		
33 42 11 00-1015	LF			42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	156.31	21.16
				<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	27.86	
33 42 11 00-1016	LF			49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	180.66	25.01
				<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	32.92	
33 42 11 00-1017	LF			57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	210.73	28.85
				<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	38.87	
33 42 11 00-1018	LF			64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	235.52	32.70
				<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	43.04	
33 42 11 00-1019	LF			71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	257.84	34.63
				<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	47.20	
<b>33 42 11 00-1020</b>				<b>3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-0988)</small></b>		

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1021			<b>14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-1020)</small>		
33 42 11 00-1022	LF		60" x 46" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	198.43 61.86	32.70
33 42 11 00-1023	LF		66" x 51" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	216.84 67.68	34.63
33 42 11 00-1024	LF		73" x 55" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	268.49 85.01	42.32
33 42 11 00-1025	LF		81" x 59" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	321.40 91.13	61.55
33 42 11 00-1026	LF		87" x 63" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	347.71 97.58	67.33
33 42 11 00-1027	LF		95" x 67" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	371.43 104.04	72.14
33 42 11 00-1028	LF		103" x 71" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	395.09 110.47	76.95
33 42 11 00-1029	LF		112" x 75" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	419.49 116.91	81.76
33 42 11 00-1030			<b>12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-1020)</small>		
33 42 11 00-1031	LF		66" x 51" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	260.87 76.92	34.63
33 42 11 00-1032	LF		73" x 55" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	317.30 94.01	42.32
33 42 11 00-1033	LF		81" x 59" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	374.56 101.11	61.55
33 42 11 00-1034	LF		87" x 63" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	405.11 108.45	67.33
33 42 11 00-1035	LF		95" x 67" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	433.17 115.85	72.14
33 42 11 00-1036	LF		103" x 71" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	461.17 123.22	76.95
33 42 11 00-1037	LF		112" x 75" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	489.81 130.56	81.76
33 42 11 00-1038	LF		117" x 79" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	521.24 137.97	86.56
33 42 11 00-1039	LF		128" x 83" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	554.82 145.34	96.18
33 42 11 00-1040	LF		137" x 87" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	589.84 153.45	105.80
33 42 11 00-1041			<b>10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-1020)</small>		
33 42 11 00-1042	LF		81" x 59" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	423.91 109.44	61.55
33 42 11 00-1043	LF		87" x 63" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	458.57 117.58	67.33
33 42 11 00-1044	LF		95" x 67" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	490.66 125.74	72.14
33 42 11 00-1045	LF		103" x 71" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	522.63 133.85	76.95
33 42 11 00-1046	LF		112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	558.08 142.97	81.76
33 42 11 00-1047	LF		112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	590.82 150.15	86.56
33 42 11 00-1048	LF		128" x 83" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	628.47 158.30	96.18
33 42 11 00-1049	LF		137" x 87" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	667.16 166.98	105.80
33 42 11 00-1050	LF		142" x 91" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	709.50 177.42	115.42
33 42 11 00-1051			<b>125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0988)</small>		
33 42 11 00-1052			<b>12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-1051)</small>		
33 42 11 00-1053	LF		81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	379.54 99.51	61.55
33 42 11 00-1054	LF		87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	409.65 106.42	67.33
33 42 11 00-1055	LF		95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	436.97 113.27	72.14
33 42 11 00-1056	LF		103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	464.26 120.11	76.95
33 42 11 00-1057	LF		112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	492.37 126.99	81.76
33 42 11 00-1058	LF		117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	523.43 134.00	86.56
33 42 11 00-1059	LF		128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	556.64 140.97	96.18



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 11 00-1060	LF			137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch ..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	593.98 149.70	105.80
<b>33 42 11 00-1061      10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-1061)</small>						
33 42 11 00-1062	LF			81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch ..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	434.21 110.37	61.55
33 42 11 00-1063	LF			87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch ..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	468.70 118.25	67.33
33 42 11 00-1064	LF			95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch ..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	500.42 126.08	72.14
33 42 11 00-1065	LF			103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch ..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	532.30 133.96	76.95
33 42 11 00-1066	LF			112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch ..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	564.14 141.57	81.76
33 42 11 00-1067	LF			117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch ..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	600.21 149.76	86.56
33 42 11 00-1068	LF			128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch ..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	637.97 157.74	96.18
33 42 11 00-1069	LF			137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch ..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	679.79 167.31	105.80
33 42 11 00-1070	LF			142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch ..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	718.93 176.36	115.42
<b>33 42 11 00-1071      Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-0299)</small>						
<b>33 42 11 00-1072      1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1071)</small>						
<b>33 42 11 00-1073      18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1072)</small>						
33 42 11 00-1074	LF			6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	21.41 2.04	5.37
33 42 11 00-1075	LF			8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	27.50 2.78	6.72
33 42 11 00-1076	LF			10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	35.61 3.66	8.06
<b>33 42 11 00-1077      16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1072)</small>						
33 42 11 00-1078	LF			6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	23.76 2.03	5.37
33 42 11 00-1079	LF			8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	30.81 2.77	6.72
33 42 11 00-1080	LF			10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	40.03 3.66	8.06
<b>33 42 11 00-1081      2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1071)</small>						
<b>33 42 11 00-1082      16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1081)</small>						
33 42 11 00-1083	LF			12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	41.30 4.02	9.40
33 42 11 00-1084	LF			15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	47.54 5.05	9.86
33 42 11 00-1085	LF			18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	54.15 6.14	10.76
33 42 11 00-1086	LF			21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	62.24 7.33	11.65
33 42 11 00-1087	LF			24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	69.48 8.31	12.55
<b>33 42 11 00-1088      14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1081)</small>						
33 42 11 00-1089	LF			12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	46.33 3.94	9.40
33 42 11 00-1090	LF			15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	53.95 4.96	9.86
33 42 11 00-1091	LF			18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	61.84 6.01	10.76
33 42 11 00-1092	LF			21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	71.14 7.13	11.65
33 42 11 00-1093	LF			24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	79.70 8.10	12.55
33 42 11 00-1094	LF			30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	103.73 10.39	16.13
33 42 11 00-1095	LF			36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	132.74 12.91	21.16

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1096			<b>12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1081)</small>		
33 42 11 00-1097	LF	24"	12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	99.25 7.69	12.55
33 42 11 00-1098	LF	30"	12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	128.06 9.78	16.13
33 42 11 00-1099	LF	36"	12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	161.96 12.06	21.16
33 42 11 00-1100	LF	42"	12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	186.65 14.18	25.01
33 42 11 00-1101	LF	48"	12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	211.09 16.05	28.85
33 42 11 00-1102	LF	54"	12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	248.26 19.04	32.70
33 42 11 00-1103			<b>10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1081)</small>		
33 42 11 00-1104	LF	36"	10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	193.10 11.86	21.16
33 42 11 00-1105	LF	42"	10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	222.93 13.92	25.01
33 42 11 00-1106	LF	48"	10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	252.67 15.79	28.85
33 42 11 00-1107	LF	54"	10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	295.03 18.53	32.70
33 42 11 00-1108	LF	60"	10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	324.34 20.42	34.63
33 42 11 00-1109			<b>3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1071)</small>		
33 42 11 00-1110			<b>16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1109)</small>		
33 42 11 00-1111	LF	30"	16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	102.14	16.13
33 42 11 00-1112	LF	36"	16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	130.75	21.16
33 42 11 00-1113	LF	42"	16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	149.60	25.01
33 42 11 00-1114	LF	48"	16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	169.40	28.85
33 42 11 00-1115	LF	54"	16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	199.96	32.70
33 42 11 00-1116			<b>14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1109)</small>		
33 42 11 00-1117	LF	30"	14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	114.96	16.13
33 42 11 00-1118	LF	36"	14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	149.03	21.16
33 42 11 00-1119	LF	42"	14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	170.82	25.01
33 42 11 00-1120	LF	48"	14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	192.56	28.85
33 42 11 00-1121	LF	54"	14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	227.09	32.70
33 42 11 00-1122	LF	60"	14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	248.30	34.63
33 42 11 00-1123	LF	66"	14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	301.98	42.32
33 42 11 00-1124	LF	72"	14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	357.20	61.55
33 42 11 00-1125	LF	78"	14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	385.17	67.33
33 42 11 00-1126			<b>12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1109)</small>		
33 42 11 00-1127	LF	30"	12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	144.87	16.13
33 42 11 00-1128	LF	36"	12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	182.68	21.16
33 42 11 00-1129	LF	42"	12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	211.03	25.01
33 42 11 00-1130	LF	48"	12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	238.67	28.85
33 42 11 00-1131	LF	54"	12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	278.86	32.70
33 42 11 00-1132	LF	60"	12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	305.62	34.63
33 42 11 00-1133	LF	66"	12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	364.84	42.32
33 42 11 00-1134	LF	72"	12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	425.77	61.55
33 42 11 00-1135	LF	78"	12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	459.33	67.33
33 42 11 00-1136	LF	84"	12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	490.36	72.14
33 42 11 00-1137	LF	90"	12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	521.31	76.95
33 42 11 00-1138	LF	96"	12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	552.97	81.76
33 42 11 00-1139			<b>10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1109)</small>		
33 42 11 00-1140	LF	60"	10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	365.91	34.63
33 42 11 00-1141	LF	66"	10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	428.62	42.32
33 42 11 00-1142	LF	72"	10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	495.27	61.55
33 42 11 00-1143	LF	78"	10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	534.56	67.33
33 42 11 00-1144	LF	84"	10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	571.23	72.14
33 42 11 00-1145	LF	90"	10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	607.89	76.95
33 42 11 00-1146	LF	96"	10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	645.23	81.76
33 42 11 00-1147	LF	102"	10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	685.32	86.56
33 42 11 00-1148	LF	108"	10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	727.58	96.18

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 11 00-1149			<b>Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-1071)</small> Note: Contech ULTRA FLO. HS 20 and HS 25 vehicular loading.		
33 42 11 00-1150			<b>16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-1149)</small>		
33 42 11 00-1151	LF		18" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	71.41	10.76
33 42 11 00-1152	LF		21" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	76.80	11.65
33 42 11 00-1153	LF		24" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	92.41	12.55
33 42 11 00-1154	LF		27" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	106.70	14.34
33 42 11 00-1155	LF		30" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	119.69	16.13
33 42 11 00-1156	LF		33" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	133.40	17.92
33 42 11 00-1157			<b>14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-1149)</small>		
33 42 11 00-1158	LF		18" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	82.25	10.76
33 42 11 00-1159	LF		21" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	94.98	11.65
33 42 11 00-1160	LF		24" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	106.99	12.55
33 42 11 00-1161	LF		27" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	123.06	14.34
33 42 11 00-1162	LF		30" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	137.84	16.13
33 42 11 00-1163	LF		33" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	153.40	17.92
33 42 11 00-1164	LF		36" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	173.92	21.16
33 42 11 00-1165	LF		42" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	200.59	25.01
33 42 11 00-1166	LF		48" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	226.96	28.85
33 42 11 00-1167			<b>12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-1149)</small>		
33 42 11 00-1168	LF		30" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	173.32	16.13
33 42 11 00-1169	LF		33" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	192.35	17.92
33 42 11 00-1170	LF		36" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	216.47	21.16
33 42 11 00-1171	LF		42" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	250.27	25.01
33 42 11 00-1172	LF		48" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	283.74	28.85
33 42 11 00-1173	LF		54" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	391.65	32.70
33 42 11 00-1174	LF		60" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	431.00	34.63
33 42 11 00-1175			<b>10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-1149)</small>		
33 42 11 00-1176	LF		48" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	399.44	28.85
33 42 11 00-1177	LF		54" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	462.98	32.70
33 42 11 00-1178	LF		60" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	510.35	34.63
33 42 11 00-1179	LF		66" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	593.10	42.32
33 42 11 00-1180	LF		72" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	673.42	61.55
33 42 11 00-1181	LF		78" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	727.03	67.33
33 42 11 00-1182	LF		84" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	777.57	72.14
33 42 11 00-1183			<b>Spiral Lockseam Aluminum Pipe-Arch</b> <small>(33 42 11 00-0299)</small>		
33 42 11 00-1184			<b>2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch</b> <small>(33 42 11 00-1183)</small>		
33 42 11 00-1185			<b>16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch</b> <small>(33 42 11 00-1184)</small>		
33 42 11 00-1186	LF		17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	49.82	9.86
			For Bituminous Coated Pipe, Add	5.06	
33 42 11 00-1187	LF		21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	56.32	10.76
			For Bituminous Coated Pipe, Add	6.04	
33 42 11 00-1188	LF		24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	64.71	11.65
			For Bituminous Coated Pipe, Add	7.19	
33 42 11 00-1189			<b>14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch</b> <small>(33 42 11 00-1184)</small>		
33 42 11 00-1190	LF		17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	56.25	9.86
			For Bituminous Coated Pipe, Add	5.04	
33 42 11 00-1191	LF		21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	62.49	10.76
			For Bituminous Coated Pipe, Add	5.81	
33 42 11 00-1192	LF		24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	73.61	11.65
			For Bituminous Coated Pipe, Add	7.14	
33 42 11 00-1193	LF		28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	83.05	12.55
			For Bituminous Coated Pipe, Add	8.19	
33 42 11 00-1194	LF		35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	107.06	16.13
			For Bituminous Coated Pipe, Add	10.36	
33 42 11 00-1195			<b>12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch</b> <small>(33 42 11 00-1184)</small>		
33 42 11 00-1196	LF		28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	102.61	12.55
			For Bituminous Coated Pipe, Add	7.80	
33 42 11 00-1197	LF		35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	131.45	16.13
			For Bituminous Coated Pipe, Add	9.84	
33 42 11 00-1198	LF		42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	167.70	21.16
			For Bituminous Coated Pipe, Add	12.28	
33 42 11 00-1199	LF		49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	194.21	25.01
			For Bituminous Coated Pipe, Add	14.52	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1200			<b>10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch</b>		
			<small>(33 42 11 00-1184)</small>		
33 42 11 00-1201	LF		42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	198.80	21.16
			<i>For Bituminous Coated Pipe, Add</i>	11.85	
33 42 11 00-1202	LF		49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	230.55	25.01
			<i>For Bituminous Coated Pipe, Add</i>	13.98	
33 42 11 00-1203	LF		57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	267.97	28.85
			<i>For Bituminous Coated Pipe, Add</i>	16.38	
33 42 11 00-1204	LF		64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	300.06	32.70
			<i>For Bituminous Coated Pipe, Add</i>	18.23	
33 42 11 00-1205			<b>3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch</b> <small>(33 42 11 00-1183)</small>		
33 42 11 00-1206			<b>14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch</b> <small>(33 42 11 00-1205)</small>		
33 42 11 00-1207	LF		60" x 46" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	232.12	32.70
33 42 11 00-1208	LF		66" x 51" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	254.14	34.63
33 42 11 00-1209	LF		73" x 55" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	309.20	42.32
33 42 11 00-1210			<b>12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch</b> <small>(33 42 11 00-1205)</small>		
33 42 11 00-1211	LF		60" x 46" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	283.88	32.70
33 42 11 00-1212	LF		66" x 51" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	311.46	34.63
33 42 11 00-1213	LF		73" x 55" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	371.81	42.32
33 42 11 00-1214	LF		81" x 59" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	433.26	61.55
33 42 11 00-1215	LF		87" x 63" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	467.36	67.33
33 42 11 00-1216	LF		95" x 67" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	498.92	72.14
33 42 11 00-1217			<b>10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch</b> <small>(33 42 11 00-1205)</small>		
33 42 11 00-1218	LF		66" x 51" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	371.66	34.63
33 42 11 00-1219	LF		73" x 55" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	435.33	42.32
33 42 11 00-1220	LF		81" x 59" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	502.49	61.55
33 42 11 00-1221	LF		87" x 63" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	542.32	67.33
33 42 11 00-1222	LF		95" x 67" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	579.51	72.14
33 42 11 00-1223	LF		103" x 71" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	616.69	76.95
33 42 11 00-1224			<b>Corrugated Steel Pipe Fittings</b> <small>(33 42 11 00-0299)</small>		
			Note: Equivalent pipe-arch sizes are approximate.		
33 42 11 00-1225			<b>Fabricate 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fittings</b> <small>(33 42 11 00-1224)</small>		
			Note: Excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.		
33 42 11 00-1226	EA		Fabricate 6" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe).....	81.56	
33 42 11 00-1227	EA		Fabricate 8" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe).....	102.29	
33 42 11 00-1228	EA		Fabricate 10" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe).....	123.01	
33 42 11 00-1229	EA		Fabricate 12" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	145.04	
33 42 11 00-1230	EA		Fabricate 15" (Or 17" x 13" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	176.10	
33 42 11 00-1231	EA		Fabricate 18" (Or 21" x 15" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	207.16	
33 42 11 00-1232	EA		Fabricate 21" (Or 24" x 18" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	238.24	
33 42 11 00-1233	EA		Fabricate 24" (Or 28" x 20" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	269.31	
33 42 11 00-1234	EA		Fabricate 30" (Or 35" x 24" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	350.89	
33 42 11 00-1235	EA		Fabricate 36" (Or 42" x 29" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	418.20	
33 42 11 00-1236	EA		Fabricate 42" (Or 49" x 33" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	485.55	
33 42 11 00-1237	EA		Fabricate 48" (Or 57" x 38" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	627.97	
33 42 11 00-1238	EA		Fabricate 54" (Or 64" x 43" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	708.25	
33 42 11 00-1239	EA		Fabricate 60" (Or 71" x 47" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	791.12	
33 42 11 00-1240	EA		Fabricate 66" (Or 77" x 52" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	876.58	
33 42 11 00-1241	EA		Fabricate 72" (Or 83" x 57" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe).....	1,068.20	
33 42 11 00-1242	EA		Fabricate 78" (Or 87" x 63" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe).....	1,165.30	
33 42 11 00-1243	EA		Fabricate 84" (Or 95" x 67" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe).....	1,265.00	
33 42 11 00-1244	EA		Fabricate 90" (Or 103" x 71" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,552.44	
33 42 11 00-1245	EA		Fabricate 96" (Or 112" x 75" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,666.41	
33 42 11 00-1246	EA		Fabricate 102" (Or 117" x 79" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,781.63	
33 42 11 00-1247	EA		Fabricate 108" (Or 128" x 83" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	1,896.86	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 11 00-1248	EA		Fabricate 114" (Or 137" x 87" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	2,010.80	
33 42 11 00-1249	EA		Fabricate 120" (Or 142" x 91" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	2,126.04	
33 42 11 00-1250	EA		Fabricate 126" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe) .....	2,247.54	
33 42 11 00-1251	EA		Fabricate 132" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe) .....	2,375.98	
33 42 11 00-1252	EA		Fabricate 138" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe) .....	2,511.74	

**33 42 11 00-1253**
**Fabricate Corrugated Steel Pipe Tees Or Laterals** (33 42 11 00-1224)

Note: Fabrication charge excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.

33 42 11 00-1254	EA		Fabricate 6" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	106.18	
33 42 11 00-1255	EA		Fabricate 8" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	135.96	
33 42 11 00-1256	EA		Fabricate 10" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	165.72	
33 42 11 00-1257	EA		Fabricate 12" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	195.52	
33 42 11 00-1258	EA		Fabricate 15" (Or 17" x 13" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	238.24	
33 42 11 00-1259	EA		Fabricate 18" (Or 21" x 15" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	282.26	
33 42 11 00-1260	EA		Fabricate 21" (Or 24" x 18" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	326.30	
33 42 11 00-1261	EA		Fabricate 24" (Or 28" x 20" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	370.29	
33 42 11 00-1262	EA		Fabricate 30" (Or 35" x 24" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	485.55	
33 42 11 00-1263	EA		Fabricate 36" (Or 42" x 29" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe).....	578.78	
33 42 11 00-1264	EA		Fabricate 42" (Or 49" x 33" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe).....	673.29	
33 42 11 00-1265	EA		Fabricate 48" (Or 57" x 38" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe).....	873.97	
33 42 11 00-1266	EA		Fabricate 54" (Or 64" x 43" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	984.03	
33 42 11 00-1267	EA		Fabricate 60" (Or 71" x 47" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,097.96	
33 42 11 00-1268	EA		Fabricate 66" (Or 77" x 52" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,214.50	
33 42 11 00-1269	EA		Fabricate 72" (Or 83" x 57" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	1,481.22	
33 42 11 00-1270	EA		Fabricate 78" (Or 87" x 63" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	1,613.31	
33 42 11 00-1271	EA		Fabricate 84" (Or 95" x 67" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	1,747.96	
33 42 11 00-1272	EA		Fabricate 90" (Or 103" x 71" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe).....	2,150.62	
33 42 11 00-1273	EA		Fabricate 96" (Or 112" x 75" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe).....	2,304.71	
33 42 11 00-1274	EA		Fabricate 102" (Or 117" x 79" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe).....	2,458.79	
33 42 11 00-1275	EA		Fabricate 108" (Or 128" x 83" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe).....	2,614.15	
33 42 11 00-1276	EA		Fabricate 114" (Or 137" x 87" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe).....	2,769.54	
33 42 11 00-1277	EA		Fabricate 120" (Or 142" x 91" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe).....	2,923.59	
33 42 11 00-1278	EA		Fabricate 126" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 23' Of Appropriate Pipe).....	3,086.24	
33 42 11 00-1279	EA		Fabricate 132" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe).....	3,257.94	
33 42 11 00-1280	EA		Fabricate 138" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe).....	3,439.16	

**33 42 11 00-1281**
**Fabricate Skew Or Bevel Ends, Corrugated Steel Pipe Fitting** (33 42 11 00-1224)

Note: Applied to pipe tasks.

33 42 11 00-1282	EA		Fabricate 6" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	40.80	
33 42 11 00-1283	EA		Fabricate 8" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	51.32	
33 42 11 00-1284	EA		Fabricate 10" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	64.55	
33 42 11 00-1285	EA		Fabricate 12" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	79.05	
33 42 11 00-1286	EA		Fabricate 15" (Or 17" x 13" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	100.03	
33 42 11 00-1287	EA		Fabricate 18" (Or 21" x 15" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	122.48	
33 42 11 00-1288	EA		Fabricate 21" (Or 24" x 18" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	143.47	
33 42 11 00-1289	EA		Fabricate 24" (Or 28" x 20" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	166.68	
33 42 11 00-1290	EA		Fabricate 30" (Or 35" x 24" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	204.73	
33 42 11 00-1291	EA		Fabricate 36" (Or 42" x 29" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	244.10	
33 42 11 00-1292	EA		Fabricate 42" (Or 49" x 33" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	291.26	
33 42 11 00-1293	EA		Fabricate 48" (Or 57" x 38" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	358.28	
33 42 11 00-1294	EA		Fabricate 54" (Or 64" x 43" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	405.52	
33 42 11 00-1295	EA		Fabricate 60" (Or 71" x 47" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	456.69	
33 42 11 00-1296	EA		Fabricate 66" (Or 77" x 52" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	553.82	
33 42 11 00-1297	EA		Fabricate 72" (Or 83" x 57" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	614.17	
33 42 11 00-1298	EA		Fabricate 78" (Or 87" x 63" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	749.35	
33 42 11 00-1299	EA		Fabricate 84" (Or 95" x 67" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	816.31	
33 42 11 00-1300	EA		Fabricate 90" (Or 103" x 71" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	887.20	
33 42 11 00-1301	EA		Fabricate 96" (Or 112" x 75" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	956.70	
33 42 11 00-1302	EA		Fabricate 102" (Or 117" x 79" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,027.57	
33 42 11 00-1303	EA		Fabricate 108" (Or 128" x 83" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,099.74	
33 42 11 00-1304	EA		Fabricate 114" (Or 137" x 87" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,170.63	
33 42 11 00-1305	EA		Fabricate 120" (Or 142" x 91" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,241.49	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

33 42 11 00-1306	EA	Fabricate 126" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,316.63
33 42 11 00-1307	EA	Fabricate 132" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,396.30
33 42 11 00-1308	EA	Fabricate 138" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,480.81

**33 42 11 00-1309 Coupling Bands, Corrugated Metal Pipe Fitting** (33 42 11 00-1224)

33 42 11 00-1310	EA	6" Coupling Band, Corrugated Metal Pipe Fitting.....	11.71
		<i>For Bituminous Coated, Add</i>	3.40
33 42 11 00-1311	EA	8" Coupling Band, Corrugated Metal Pipe Fitting.....	15.55
		<i>For Bituminous Coated, Add</i>	4.51
33 42 11 00-1312	EA	10" Coupling Band, Corrugated Metal Pipe Fitting.....	19.59
		<i>For Bituminous Coated, Add</i>	5.68
33 42 11 00-1313	EA	12" Coupling Band, Corrugated Metal Pipe Fitting.....	32.52
		<i>For Bituminous Coated, Add</i>	9.43
33 42 11 00-1314	EA	15" Coupling Band, Corrugated Metal Pipe Fitting.....	41.00
		<i>For Bituminous Coated, Add</i>	11.89
33 42 11 00-1315	EA	18" Coupling Band, Corrugated Metal Pipe Fitting.....	60.16
		<i>For Bituminous Coated, Add</i>	17.45
33 42 11 00-1316	EA	21" Coupling Band, Corrugated Metal Pipe Fitting.....	71.40
		<i>For Bituminous Coated, Add</i>	20.71
33 42 11 00-1317	EA	24" Coupling Band, Corrugated Metal Pipe Fitting.....	80.96
		<i>For Bituminous Coated, Add</i>	23.48
33 42 11 00-1318	EA	30" Coupling Band, Corrugated Metal Pipe Fitting.....	140.11
		<i>For Bituminous Coated, Add</i>	40.63
33 42 11 00-1319	EA	36" Coupling Band, Corrugated Metal Pipe Fitting.....	224.16
		<i>For Bituminous Coated, Add</i>	53.80
33 42 11 00-1320	EA	42" Coupling Band, Corrugated Metal Pipe Fitting.....	263.38
		<i>For Bituminous Coated, Add</i>	63.21
33 42 11 00-1321	EA	48" Coupling Band, Corrugated Metal Pipe Fitting.....	295.12
		<i>For Bituminous Coated, Add</i>	70.83
33 42 11 00-1322	EA	54" Coupling Band, Corrugated Metal Pipe Fitting.....	418.53
		<i>For Bituminous Coated, Add</i>	100.45
33 42 11 00-1323	EA	60" Coupling Band, Corrugated Metal Pipe Fitting.....	598.63
		<i>For Bituminous Coated, Add</i>	107.75
33 42 11 00-1324	EA	66" Coupling Band, Corrugated Metal Pipe Fitting.....	735.70
		<i>For Bituminous Coated, Add</i>	132.43
33 42 11 00-1325	EA	72" Coupling Band, Corrugated Metal Pipe Fitting.....	945.06
		<i>For Bituminous Coated, Add</i>	132.31
33 42 11 00-1326	EA	78" Coupling Band, Corrugated Metal Pipe Fitting.....	1,010.80
		<i>For Bituminous Coated, Add</i>	141.51
33 42 11 00-1327	EA	84" Coupling Band, Corrugated Metal Pipe Fitting.....	1,076.91
		<i>For Bituminous Coated, Add</i>	150.77
33 42 11 00-1328	EA	90" Coupling Band, Corrugated Metal Pipe Fitting.....	1,142.69
		<i>For Bituminous Coated, Add</i>	159.98
33 42 11 00-1329	EA	96" Coupling Band, Corrugated Metal Pipe Fitting.....	1,208.64
		<i>For Bituminous Coated, Add</i>	169.21
33 42 11 00-1330	EA	102" Coupling Band, Corrugated Metal Pipe Fitting.....	1,274.75
		<i>For Bituminous Coated, Add</i>	178.47
33 42 11 00-1331	EA	108" Coupling Band, Corrugated Metal Pipe Fitting.....	1,340.56
		<i>For Bituminous Coated, Add</i>	187.68
33 42 11 00-1332	EA	114" Coupling Band, Corrugated Metal Pipe Fitting.....	1,587.75
		<i>For Bituminous Coated, Add</i>	190.53
33 42 11 00-1333	EA	120" Coupling Band, Corrugated Metal Pipe Fitting.....	1,472.08
		<i>For Bituminous Coated, Add</i>	176.65
33 42 11 00-1334	EA	126" Coupling Band, Corrugated Metal Pipe Fitting.....	1,537.69
		<i>For Bituminous Coated, Add</i>	184.52
33 42 11 00-1335	EA	132" Coupling Band, Corrugated Metal Pipe Fitting.....	1,603.77
		<i>For Bituminous Coated, Add</i>	192.45
33 42 11 00-1336	EA	138" Coupling Band, Corrugated Metal Pipe Fitting.....	1,669.92
		<i>For Bituminous Coated, Add</i>	200.39

**33 42 11 00-1337 Vitrified Clay Piping** (33 42 11)**33 42 11 00-1338 Extra Strength Vitrified Clay Piping** (33 42 11 00-1337)**33 42 11 00-1339 Plain Joint, Extra Strength, Vitrified Clay Piping** (33 42 11 00-1338)

Note: ASTM C700.

33 42 11 00-1340	LF	4" Plain Joint, Extra Strength, Vitrified Clay Pipe .....	19.55
		<i>For 3' Lengths, Add</i>	1.68
		<i>For 2' Lengths, Add</i>	2.24
		<i>For Standard Strength, Deduct</i>	-0.56
		<i>For &gt;1,000, Deduct</i>	-0.98
33 42 11 00-1341	LF	6" Plain Joint, Extra Strength, Vitrified Clay Pipe .....	32.47
		<i>For 3' Lengths, Add</i>	2.60
		<i>For 2' Lengths, Add</i>	3.47
		<i>For Standard Strength, Deduct</i>	-0.87
		<i>For &gt;1,000, Deduct</i>	-1.62
33 42 11 00-1342	LF	8" Plain Joint, Extra Strength, Vitrified Clay Pipe .....	38.83
		<i>For 3' Lengths, Add</i>	3.72
		<i>For 2' Lengths, Add</i>	4.96
		<i>For Standard Strength, Deduct</i>	-1.24
		<i>For &gt;1,000, Deduct</i>	-1.94
33 42 11 00-1343	LF	10" Plain Joint, Extra Strength, Vitrified Clay Pipe .....	46.48
		<i>For 3' Lengths, Add</i>	5.70
		<i>For 2' Lengths, Add</i>	7.60
		<i>For Standard Strength, Deduct</i>	-1.90
		<i>For &gt;1,000, Deduct</i>	-2.32

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 42 11 00-1344	LF		12" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	56.80	
				For 3' Lengths, Add	8.04	
				For 2' Lengths, Add	10.72	
				For Standard Strength, Deduct	-2.68	
				For >1,000, Deduct	-2.84	
	33 42 11 00-1345	LF		15" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	83.64	
				For 3' Lengths, Add	15.08	
				For 2' Lengths, Add	20.11	
				For Standard Strength, Deduct	-5.03	
				For >1,000, Deduct	-4.18	
	33 42 11 00-1346	LF		18" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	113.67	
				For 3' Lengths, Add	21.62	
				For 2' Lengths, Add	28.82	
				For Standard Strength, Deduct	-7.21	
				For >1,000, Deduct	-5.68	
	33 42 11 00-1347	LF		21" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	167.92	
				For 3' Lengths, Add	34.63	
				For 2' Lengths, Add	46.18	
				For Standard Strength, Deduct	-11.54	
				For >1,000, Deduct	-8.40	
	33 42 11 00-1348	LF		24" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	214.53	
				For 3' Lengths, Add	45.24	
				For 2' Lengths, Add	60.32	
				For Standard Strength, Deduct	-15.08	
				For >1,000, Deduct	-10.73	
	33 42 11 00-1349	LF		30" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	265.43	
				For 3' Lengths, Add	56.42	
				For 2' Lengths, Add	75.22	
				For Standard Strength, Deduct	-18.81	
				For >1,000, Deduct	-13.27	
	33 42 11 00-1350	LF		36" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	321.11	
				For 3' Lengths, Add	68.15	
				For 2' Lengths, Add	90.86	
				For Standard Strength, Deduct	-22.72	
				For >1,000, Deduct	-16.06	
	<b>33 42 11 00-1351</b>			<b>Compression Joint, Extra Strength, Vitrified Clay Piping</b> <small>(33 42 11 00-1338)</small>		
				Note: ASTM C425.		
	33 42 11 00-1352	LF		4" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	27.74	
				For 3' Lengths, Add	1.98	
				For 2' Lengths, Add	2.64	
				For Standard Strength, Deduct	-0.66	
				For >1,000, Deduct	-1.39	
	33 42 11 00-1353	LF		6" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	34.55	
				For 3' Lengths, Add	3.23	
				For 2' Lengths, Add	4.30	
				For Standard Strength, Deduct	-1.08	
				For >1,000, Deduct	-1.73	
	33 42 11 00-1354	LF		8" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	41.62	
				For 3' Lengths, Add	4.56	
				For 2' Lengths, Add	6.08	
				For Standard Strength, Deduct	-1.52	
				For >1,000, Deduct	-2.08	
	33 42 11 00-1355	LF		10" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	52.44	
				For 3' Lengths, Add	7.49	
				For 2' Lengths, Add	9.98	
				For Standard Strength, Deduct	-2.50	
				For >1,000, Deduct	-2.62	
	33 42 11 00-1356	LF		12" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	62.76	
				For 3' Lengths, Add	9.83	
				For 2' Lengths, Add	13.11	
				For Standard Strength, Deduct	-3.28	
				For >1,000, Deduct	-3.14	
	33 42 11 00-1357	LF		15" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	93.14	
				For 3' Lengths, Add	17.93	
				For 2' Lengths, Add	23.91	
				For Standard Strength, Deduct	-5.98	
				For >1,000, Deduct	-4.66	
	33 42 11 00-1358	LF		18" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	129.12	
				For 3' Lengths, Add	26.25	
				For 2' Lengths, Add	35.00	
				For Standard Strength, Deduct	-8.75	
				For >1,000, Deduct	-6.46	
	33 42 11 00-1359	LF		21" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	185.61	
				For 3' Lengths, Add	39.94	
				For 2' Lengths, Add	53.25	
				For Standard Strength, Deduct	-13.31	
				For >1,000, Deduct	-9.28	
	33 42 11 00-1360	LF		24" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	242.46	
				For 3' Lengths, Add	53.62	
				For 2' Lengths, Add	71.50	
				For Standard Strength, Deduct	-17.87	
				For >1,000, Deduct	-12.12	
	33 42 11 00-1361	LF		30" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	388.32	
				For 3' Lengths, Add	93.28	
				For 2' Lengths, Add	124.38	
				For Standard Strength, Deduct	-31.09	
				For >1,000, Deduct	-19.42	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

33 42 11 00-1362	LF	36" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	551.99
		<i>For 3' Lengths, Add</i>	137.41
		<i>For 2' Lengths, Add</i>	183.21
		<i>For Standard Strength, Deduct</i>	-45.80
		<i>For &gt;1,000, Deduct</i>	-27.60
<b>33 42 11 00-1363</b>		<b>Extra Strength, Vitrified Clay Pipe Fittings (33 42 11 00-1337)</b>	
<b>33 42 11 00-1364</b>		<b>1/8 Bends, Extra Strength, Vitrified Clay (33 42 11 00-1363)</b>	
<b>33 42 11 00-1365</b>		<b>Plain End 1/8 Bend, Extra Strength, Vitrified Clay (33 42 11 00-1364)</b>	
33 42 11 00-1366	EA	4" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	81.74
33 42 11 00-1367	EA	6" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	110.36
33 42 11 00-1368	EA	8" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	157.69
33 42 11 00-1369	EA	10" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	216.55
33 42 11 00-1370	EA	12" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	286.11
33 42 11 00-1371	EA	15" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	383.32
33 42 11 00-1372	EA	18" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	496.78
33 42 11 00-1373	EA	21" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	633.75
33 42 11 00-1374	EA	24" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	795.54
33 42 11 00-1375	EA	30" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	1,015.37
33 42 11 00-1376	EA	36" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	1,302.47
<b>33 42 11 00-1377</b>		<b>Compression Joint 1/8 Bends, Extra Strength, Vitrified Clay (33 42 11 00-1364)</b>	
33 42 11 00-1378	EA	4" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	92.40
33 42 11 00-1379	EA	6" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	131.36
33 42 11 00-1380	EA	8" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	177.93
33 42 11 00-1381	EA	10" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	238.22
33 42 11 00-1382	EA	12" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	302.36
33 42 11 00-1383	EA	15" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	396.55
33 42 11 00-1384	EA	18" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	515.16
33 42 11 00-1385	EA	21" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	658.47
33 42 11 00-1386	EA	24" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	828.57
33 42 11 00-1387	EA	30" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	1,075.28
33 42 11 00-1388	EA	36" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	1,415.87
<b>33 42 11 00-1389</b>		<b>1/4 Bends, Extra Strength, Vitrified Clay (33 42 11 00-1363)</b>	
<b>33 42 11 00-1390</b>		<b>Plain End 1/4 Bends, Extra Strength, Vitrified Clay (33 42 11 00-1389)</b>	
33 42 11 00-1391	EA	4" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	95.69
33 42 11 00-1392	EA	6" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	127.17
33 42 11 00-1393	EA	8" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	177.36
33 42 11 00-1394	EA	10" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	237.84
33 42 11 00-1395	EA	12" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	310.09
33 42 11 00-1396	EA	15" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	400.00
33 42 11 00-1397	EA	18" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	519.06
33 42 11 00-1398	EA	21" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	668.73
33 42 11 00-1399	EA	24" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	850.52
33 42 11 00-1400	EA	30" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	1,107.95
33 42 11 00-1401	EA	36" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	1,444.14
<b>33 42 11 00-1402</b>		<b>Compression Joint 1/4 Bends, Extra Strength, Vitrified Clay (33 42 11 00-1389)</b>	
33 42 11 00-1403	EA	4" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	109.14
33 42 11 00-1404	EA	6" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	151.53
33 42 11 00-1405	EA	8" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	201.52
33 42 11 00-1406	EA	10" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	263.76
33 42 11 00-1407	EA	12" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	331.15
33 42 11 00-1408	EA	15" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	428.58
33 42 11 00-1409	EA	18" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	560.10
33 42 11 00-1410	EA	21" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	720.56
33 42 11 00-1411	EA	24" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	915.74
33 42 11 00-1412	EA	30" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	1,200.57
33 42 11 00-1413	EA	36" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	1,580.67
<b>33 42 11 00-1414</b>		<b>Wyes Or Tees, Extra Strength, Vitrified Clay (33 42 11 00-1363)</b>	
<b>33 42 11 00-1415</b>		<b>Plain End Wyes Or Tees, Extra Strength, Vitrified Clay (33 42 11 00-1414)</b>	
33 42 11 00-1416	EA	4" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	105.21
33 42 11 00-1417	EA	6" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	137.29
33 42 11 00-1418	EA	8" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	186.44
33 42 11 00-1419	EA	10" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	246.00
33 42 11 00-1420	EA	12" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	319.89
33 42 11 00-1421	EA	15" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	417.29
33 42 11 00-1422	EA	18" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	540.65
33 42 11 00-1423	EA	21" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	690.93
33 42 11 00-1424	EA	24" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	880.46
33 42 11 00-1425	EA	30" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	1,135.51
33 42 11 00-1426	EA	36" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	1,470.65
<b>33 42 11 00-1427</b>		<b>Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay (33 42 11 00-1414)</b>	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 11 00-1428	EA		4" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay .....	128.53	
33 42 11 00-1429	EA		6" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay .....	176.13	
33 42 11 00-1430	EA		8" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay .....	231.81	
33 42 11 00-1431	EA		10" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay .....	299.42	
33 42 11 00-1432	EA		12" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay .....	373.44	
33 42 11 00-1433	EA		15" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay .....	872.50	
33 42 11 00-1434	EA		18" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay .....	1,257.25	
33 42 11 00-1435	EA		21" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay .....	1,866.26	
33 42 11 00-1436	EA		24" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay .....	2,472.37	
33 42 11 00-1437	EA		30" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay .....	2,860.06	
33 42 11 00-1438	EA		36" Compression Joint, Extra Strength, Vitrified Clay Wye Or Tee .....	4,059.33	

**33 42 11 00-1439**    **Vitrified Clay Couplings** (33 42 11 00-1337)

**33 42 11 00-1440**    **Vitrified Clay To Cast Iron Or Plastic Pipe Couplings** (33 42 11 00-1439)

Note: Stainless steel tightening band at each end (Fernco #1002)

33 42 11 00-1441	EA		4" x 3" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	40.37	
33 42 11 00-1442	EA		4" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	39.91	
33 42 11 00-1443	EA		5" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	57.17	
33 42 11 00-1444	EA		5" x 5" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	53.45	
33 42 11 00-1445	EA		6" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	71.06	
33 42 11 00-1446	EA		6" x 5" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	74.29	
33 42 11 00-1447	EA		6" x 6" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	67.15	
33 42 11 00-1448	EA		8" x 6" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	100.56	
33 42 11 00-1449	EA		8" x 8" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	92.40	
33 42 11 00-1450	EA		10" x 8" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	133.64	
33 42 11 00-1451	EA		10" x 10" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	121.04	
33 42 11 00-1452	EA		12" x 10" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	167.70	
33 42 11 00-1453	EA		12" x 12" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	138.74	
33 42 11 00-1454	EA		15" x 12" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	289.53	
33 42 11 00-1455	EA		15" x 15" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	220.51	

**33 42 11 00-1456**    **Vitrified Clay To Vitrified Clay Pipe Non-Shear Couplings** (33 42 11 00-1439)

Note: Stainless steel tightening band at each end. (NDS Non-shear)

33 42 11 00-1457	EA		4" x 4" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling .....	61.74	
33 42 11 00-1458	EA		6" x 4" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling .....	81.93	
33 42 11 00-1459	EA		6" x 6" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling .....	86.52	
33 42 11 00-1460	EA		8" x 8" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling .....	90.70	
33 42 11 00-1461	EA		10" x 10" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling .....	111.61	
33 42 11 00-1462	EA		12" x 12" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling .....	129.29	

**33 42 11 00-1463**    **Vitrified Clay To Plastic Pipe Non-Shear Couplings** (33 42 11 00-1439)

Note: Stainless steel tightening band at each end. (NDS Non-shear)

33 42 11 00-1464	EA		4" x 4" Vitrified Clay To Plastic Pipe Non-Shear Coupling .....	63.27	
33 42 11 00-1465	EA		6" x 4" Vitrified Clay To Plastic Pipe Non-Shear Coupling .....	83.47	
33 42 11 00-1466	EA		6" x 6" Vitrified Clay To Plastic Pipe Non-Shear Coupling .....	76.64	
33 42 11 00-1467	EA		8" x 8" Vitrified Clay To Plastic Pipe Non-Shear Coupling .....	99.89	
33 42 11 00-1468	EA		10" x 10" Vitrified Clay To Plastic Pipe Non-Shear Coupling .....	143.79	
33 42 11 00-1469	EA		12" x 12" Vitrified Clay To Plastic Pipe Non-Shear Coupling .....	162.33	

**33 42 13**    **Stormwater Culverts** (33 42)

**33 42 13 13**    **Precast Concrete Stormwater Culverts** (33 42 13)

**33 42 13 13-0001**    **Precast Reinforced Concrete Box Culvert** (33 42 13 13)

Note: The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes crane, excavation and backfill. Minimum length 6'-0". See CSI section 01 22 23 00-0800 for crane lifting equipment.

33 42 13 13-0002	LF		3' x 3' Precast Reinforced Concrete Box Culvert .....	448.15	48.09
			For Each LF Of Cut-Off Section, Add .....	17.93	
33 42 13 13-0003	LF		4' x 2' Precast Reinforced Concrete Box Culvert .....	507.71	48.09
			For Each LF Of Cut-Off Section, Add .....	20.31	
33 42 13 13-0004	LF		4' x 3' Precast Reinforced Concrete Box Culvert .....	603.92	48.09
			For Each LF Of Cut-Off Section, Add .....	24.16	
33 42 13 13-0005	LF		5' x 3' Precast Reinforced Concrete Box Culvert .....	723.97	60.11
			For Each LF Of Cut-Off Section, Add .....	28.96	
33 42 13 13-0006	LF		5' x 4' Precast Reinforced Concrete Box Culvert .....	742.29	60.11
			For Each LF Of Cut-Off Section, Add .....	29.69	
33 42 13 13-0007	LF		5' x 5' Precast Reinforced Concrete Box Culvert .....	751.46	60.11
			For Each LF Of Cut-Off Section, Add .....	30.06	
33 42 13 13-0008	LF		6' x 3' Precast Reinforced Concrete Box Culvert .....	774.55	62.52
			For Each LF Of Cut-Off Section, Add .....	30.98	
33 42 13 13-0009	LF		6' x 4' Precast Reinforced Concrete Box Culvert .....	779.13	62.52
			For Each LF Of Cut-Off Section, Add .....	31.17	
33 42 13 13-0010	LF		6' x 6' Precast Reinforced Concrete Box Culvert .....	861.60	62.52
			For Each LF Of Cut-Off Section, Add .....	34.46	
33 42 13 13-0011	LF		7' x 4' Precast Reinforced Concrete Box Culvert .....	880.68	72.14
			For Each LF Of Cut-Off Section, Add .....	35.23	
33 42 13 13-0012	LF		7' x 6' Precast Reinforced Concrete Box Culvert .....	932.17	98.10
			For Each LF Of Cut-Off Section, Add .....	37.29	
33 42 13 13-0013	LF		8' x 2' Precast Reinforced Concrete Box Culvert .....	866.18	62.52
			For Each LF Of Cut-Off Section, Add .....	34.65	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

33 42 13 13-0014	LF	8' x 3'	Precast Reinforced Concrete Box Culvert	885.26	72.14
			<i>For Each LF Of Cut-Off Section, Add</i>	35.41	
33 42 13 13-0015	LF	8' x 4'	Precast Reinforced Concrete Box Culvert	899.01	72.14
			<i>For Each LF Of Cut-Off Section, Add</i>	35.96	
33 42 13 13-0016	LF	8' x 5'	Precast Reinforced Concrete Box Culvert	1,080.47	96.18
			<i>For Each LF Of Cut-Off Section, Add</i>	43.22	
33 42 13 13-0017	LF	8' x 6'	Precast Reinforced Concrete Box Culvert	1,084.13	96.18
			<i>For Each LF Of Cut-Off Section, Add</i>	43.37	
33 42 13 13-0018	LF	8' x 8'	Precast Reinforced Concrete Box Culvert	1,193.21	120.23
			<i>For Each LF Of Cut-Off Section, Add</i>	47.73	
33 42 13 13-0019	LF	9' x 4'	Precast Reinforced Concrete Box Culvert	1,198.67	96.18
			<i>For Each LF Of Cut-Off Section, Add</i>	47.95	
33 42 13 13-0020	LF	9' x 6'	Precast Reinforced Concrete Box Culvert	1,260.10	120.23
			<i>For Each LF Of Cut-Off Section, Add</i>	50.40	
33 42 13 13-0021	LF	10' x 3'	Precast Reinforced Concrete Box Culvert	1,264.69	120.23
			<i>For Each LF Of Cut-Off Section, Add</i>	50.59	
33 42 13 13-0022	LF	10' x 4'	Precast Reinforced Concrete Box Culvert	1,548.74	120.23
			<i>For Each LF Of Cut-Off Section, Add</i>	61.95	
33 42 13 13-0023	LF	10' x 5'	Precast Reinforced Concrete Box Culvert	1,614.75	144.27
			<i>For Each LF Of Cut-Off Section, Add</i>	64.59	
33 42 13 13-0024	LF	10' x 6'	Precast Reinforced Concrete Box Culvert	1,633.07	144.27
			<i>For Each LF Of Cut-Off Section, Add</i>	65.32	
33 42 13 13-0025	LF	10' x 7'	Precast Reinforced Concrete Box Culvert	1,637.65	144.27
			<i>For Each LF Of Cut-Off Section, Add</i>	65.51	
33 42 13 13-0026	LF	10' x 8'	Precast Reinforced Concrete Box Culvert	1,644.07	144.27
			<i>For Each LF Of Cut-Off Section, Add</i>	65.76	
33 42 13 13-0027	LF	12' x 3'	Precast Reinforced Concrete Box Culvert	1,699.09	168.32
			<i>For Each LF Of Cut-Off Section, Add</i>	67.96	
33 42 13 13-0028	LF	12' x 4'	Precast Reinforced Concrete Box Culvert	1,699.09	168.32
			<i>For Each LF Of Cut-Off Section, Add</i>	67.96	
33 42 13 13-0029	LF	12' x 6'	Precast Reinforced Concrete Box Culvert	1,699.09	168.32
			<i>For Each LF Of Cut-Off Section, Add</i>	67.96	
33 42 13 13-0030	LF	12' x 8'	Precast Reinforced Concrete Box Culvert	1,699.09	168.32
			<i>For Each LF Of Cut-Off Section, Add</i>	67.96	
33 42 13 13-0031	LF	16' x 10'	Precast Reinforced Concrete Box Culvert	2,498.13	192.37
			<i>For Each LF Of Cut-Off Section, Add</i>	99.93	
33 42 13 13-0032	LF	24' x 10'	Precast Reinforced Concrete Box Culvert	3,506.06	192.37
			<i>For Each LF Of Cut-Off Section, Add</i>	140.24	

**33 42 13 13-0033 Precast Reinforced Concrete Box Culvert For Roadways** (33 42 13 13)

Note: AASHTO HL-93 Rated. The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes crane, excavation and backfill. Minimum length 6'-0". See CSI section 01 22 23 00-0800 for crane lifting equipment.

33 42 13 13-0034	LF	3' x 3'	Precast Reinforced Concrete Box Culvert For Roadways	1,149.57	48.09
			<i>For Each LF Of Cut-Off Section, Add</i>	45.98	
33 42 13 13-0035	LF	4' x 2'	Precast Reinforced Concrete Box Culvert For Roadways	1,237.58	48.09
			<i>For Each LF Of Cut-Off Section, Add</i>	49.50	
33 42 13 13-0036	LF	4' x 3'	Precast Reinforced Concrete Box Culvert For Roadways	1,393.35	48.09
			<i>For Each LF Of Cut-Off Section, Add</i>	55.73	
33 42 13 13-0037	LF	5' x 3'	Precast Reinforced Concrete Box Culvert For Roadways	1,572.91	60.11
			<i>For Each LF Of Cut-Off Section, Add</i>	62.92	
33 42 13 13-0038	LF	5' x 4'	Precast Reinforced Concrete Box Culvert For Roadways	1,728.67	60.11
			<i>For Each LF Of Cut-Off Section, Add</i>	69.15	
33 42 13 13-0039	LF	5' x 5'	Precast Reinforced Concrete Box Culvert For Roadways	1,884.43	60.11
			<i>For Each LF Of Cut-Off Section, Add</i>	75.38	
33 42 13 13-0040	LF	6' x 3'	Precast Reinforced Concrete Box Culvert For Roadways	1,733.44	62.52
			<i>For Each LF Of Cut-Off Section, Add</i>	69.34	
33 42 13 13-0041	LF	6' x 4'	Precast Reinforced Concrete Box Culvert For Roadways	1,889.20	62.52
			<i>For Each LF Of Cut-Off Section, Add</i>	75.57	
33 42 13 13-0042	LF	6' x 6'	Precast Reinforced Concrete Box Culvert For Roadways	2,200.73	62.52
			<i>For Each LF Of Cut-Off Section, Add</i>	88.03	
33 42 13 13-0043	LF	7' x 4'	Precast Reinforced Concrete Box Culvert For Roadways	2,064.05	72.14
			<i>For Each LF Of Cut-Off Section, Add</i>	82.56	
33 42 13 13-0044	LF	7' x 6'	Precast Reinforced Concrete Box Culvert For Roadways	2,427.02	98.10
			<i>For Each LF Of Cut-Off Section, Add</i>	97.08	
33 42 13 13-0045	LF	8' x 2'	Precast Reinforced Concrete Box Culvert For Roadways	1,889.20	62.52
			<i>For Each LF Of Cut-Off Section, Add</i>	75.57	
33 42 13 13-0046	LF	8' x 3'	Precast Reinforced Concrete Box Culvert For Roadways	2,064.05	72.14
			<i>For Each LF Of Cut-Off Section, Add</i>	82.56	
33 42 13 13-0047	LF	8' x 4'	Precast Reinforced Concrete Box Culvert For Roadways	2,219.81	72.14
			<i>For Each LF Of Cut-Off Section, Add</i>	88.79	
33 42 13 13-0048	LF	8' x 5'	Precast Reinforced Concrete Box Culvert For Roadways	2,423.21	96.18
			<i>For Each LF Of Cut-Off Section, Add</i>	96.93	
33 42 13 13-0049	LF	8' x 6'	Precast Reinforced Concrete Box Culvert For Roadways	2,578.98	96.18
			<i>For Each LF Of Cut-Off Section, Add</i>	103.16	
33 42 13 13-0050	LF	8' x 8'	Precast Reinforced Concrete Box Culvert For Roadways	2,938.19	120.23
			<i>For Each LF Of Cut-Off Section, Add</i>	117.53	
33 42 13 13-0051	LF	9' x 4'	Precast Reinforced Concrete Box Culvert For Roadways	2,604.47	96.18
			<i>For Each LF Of Cut-Off Section, Add</i>	104.18	
33 42 13 13-0052	LF	9' x 6'	Precast Reinforced Concrete Box Culvert For Roadways	2,985.07	120.23
			<i>For Each LF Of Cut-Off Section, Add</i>	119.40	
33 42 13 13-0053	LF	10' x 3'	Precast Reinforced Concrete Box Culvert For Roadways	2,951.17	120.23
			<i>For Each LF Of Cut-Off Section, Add</i>	118.05	
33 42 13 13-0054	LF	10' x 4'	Precast Reinforced Concrete Box Culvert For Roadways	3,136.13	120.23
			<i>For Each LF Of Cut-Off Section, Add</i>	125.45	
33 42 13 13-0055	LF	10' x 5'	Precast Reinforced Concrete Box Culvert For Roadways	3,368.75	144.27
			<i>For Each LF Of Cut-Off Section, Add</i>	134.75	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 13 13-0056	LF		10' x 6' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	3,553.71 142.15	144.27
33 42 13 13-0057	LF		10' x 7' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	3,738.69 149.55	144.27
33 42 13 13-0058	LF		10' x 8' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	3,923.65 156.95	144.27
33 42 13 13-0059	LF		12' x 3' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	3,908.40 156.34	168.32
33 42 13 13-0060	LF		12' x 4' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	4,118.63 164.75	168.32
33 42 13 13-0061	LF		12' x 6' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	4,539.18 181.57	168.32
33 42 13 13-0062	LF		12' x 8' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	4,959.72 198.39	168.32
33 42 13 13-0063	LF		16' x 10' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	5,941.94 237.68	192.37
33 42 13 13-0064	LF		24' x 10' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	7,530.64 301.23	192.37

### 33 42 23 Headwalls and Endwalls for Stormwater Piping (33 42)

33 42 23 00-0001	<b>Headwalls</b> (33 42 23) Note: Excludes excavation and backfill. Select pipe with closest opening area for square or round culverts.				
33 42 23 00-0002	<b>Cast In Place Concrete Headwalls</b> (33 42 23 00-0001) Note: Includes concrete, forms, rebar (where required), finish and curing.				
33 42 23 00-0003	<b>Skewed Wingwall, Cast In Place Concrete Headwall</b> (33 42 23 00-0002) Note: Sized by pipe diameter.				
33 42 23 00-0004	EA		12" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	1,493.94	626.61
33 42 23 00-0005	EA		15" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	1,878.47	668.40
33 42 23 00-0006	EA		18" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	2,461.18	875.50
33 42 23 00-0007	EA		24" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	3,875.26	1,253.24
33 42 23 00-0008	EA		30" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	5,398.70	1,670.98
33 42 23 00-0009	EA		36" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	6,415.26	2,202.53
33 42 23 00-0010	EA		42" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	8,771.37	3,038.12
33 42 23 00-0011	EA		48" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	10,434.40	3,580.63
33 42 23 00-0012	EA		54" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	12,543.73	4,359.12
33 42 23 00-0013	EA		60" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	15,030.64	5,276.77

33 42 23 00-0014	<b>Precast Concrete Headwalls</b> (33 42 23 00-0001)				
33 42 23 00-0015	EA		12" Pipe, Precast Concrete Headwall	874.74	161.28
33 42 23 00-0016	EA		15" Pipe, Precast Concrete Headwall	901.62	170.24
33 42 23 00-0017	EA		18" Pipe, Precast Concrete Headwall	991.03	193.53
33 42 23 00-0018	EA		24" Pipe, Precast Concrete Headwall	1,096.99	206.08
33 42 23 00-0019	EA		30" Pipe, Precast Concrete Headwall	1,493.79	241.92
33 42 23 00-0020	EA		36" Pipe, Precast Concrete Headwall	1,672.60	250.88
33 42 23 00-0021	EA		42" Pipe, Precast Concrete Headwall	2,216.55	296.82
33 42 23 00-0022	EA		48" Pipe, Precast Concrete Headwall	2,452.69	327.02
33 42 23 00-0023	EA		54" Pipe, Precast Concrete Headwall	2,711.26	346.26
33 42 23 00-0024	EA		60" Pipe, Precast Concrete Headwall	3,084.67	346.26
33 42 23 00-0025	EA		72" Pipe, Precast Concrete Headwall	3,754.58	432.82
33 42 23 00-0026	EA		84" Pipe, Precast Concrete Headwall	5,362.55	519.39

33 42 23 00-0027	<b>Precast Concrete Wingwalls</b> (33 42 23 00-0001)				
33 42 23 00-0028	EA		18" ID Pipe (26" Hole) Precast Concrete Wingwall Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	5,384.93	1,713.97
33 42 23 00-0029	EA		24" ID Pipe (32" Hole) Precast Concrete Wingwall Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	5,673.48	1,904.42
33 42 23 00-0030	EA		30" ID Pipe (42" Hole) Precast Concrete Wingwall Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	6,154.39	2,221.82
33 42 23 00-0031	EA		33" ID Pipe (46" Hole) Precast Concrete Wingwall Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.	6,635.30	2,539.22
33 42 23 00-0032	EA		36" ID Pipe (50" Hole) Precast Concrete Wingwall Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	6,635.30	2,539.22
33 42 23 00-0033	EA		44" ID Pipe (58" Hole) Precast Concrete Wingwall Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	6,827.66	2,666.18
33 42 23 00-0034	EA		48" ID Pipe (62" Hole) Precast Concrete Wingwall Note: 12" thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	12,441.86	2,729.66
33 42 23 00-0035	EA		52" ID Pipe (66" Hole) Precast Concrete Wingwall Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.	12,730.40	2,920.10

33 42 23 00-0036	<b>Precast Concrete Transverse Drainage Interceptor</b> (33 42 23 00-0001)				
33 42 23 00-0037	EA		34" x 48" x 28" Precast Concrete Transverse Drainage Interceptor With Frame And Grate	3,374.10	673.28

### 33 42 26 End Sections for Stormwater Piping (33 42)

#### 33 42 26 16 Corrugated Metal End Sections for Stormwater Piping (33 42 26)

33 42 26 16-0001	<b>Corrugated Metal Pipe End Sections</b> (33 42 26 16)				
33 42 26 16-0002	<b>Galvanized Corrugated Steel Pipe End Sections</b> (33 42 26 16-0001)				

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 16-0003			<b>Type 1 Galvanized Corrugated Steel Pipe End Sections</b> <small>(33 42 26 16-0002)</small>		
			Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.		
33 42 26 16-0004	EA		12" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section.....	244.14	62.72
33 42 26 16-0005	EA		15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section.....	282.85	67.20
33 42 26 16-0006	EA		18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section.....	329.65	71.68
33 42 26 16-0007	EA		21" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section.....	398.50	78.40
33 42 26 16-0008	EA		24" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section.....	441.29	85.12
33 42 26 16-0009			<b>Type 2 Galvanized Corrugated Steel Pipe End Sections</b> <small>(33 42 26 16-0002)</small>		
			Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.		
33 42 26 16-0010	EA		30" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	708.02	96.32
33 42 26 16-0011	EA		36" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	920.40	115.42
33 42 26 16-0012	EA		42" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	1,407.62	134.66
33 42 26 16-0013	EA		48" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	1,718.50	153.89
33 42 26 16-0014	EA		54" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	2,048.09	192.37
33 42 26 16-0015	EA		60" 10 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	2,392.47	230.84
33 42 26 16-0016			<b>Type 3 Or 5 Galvanized Corrugated Steel Pipe End Sections</b> <small>(33 42 26 16-0002)</small>		
			Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.		
33 42 26 16-0017	EA		12" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	254.74	62.72
33 42 26 16-0018	EA		15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	293.76	67.20
33 42 26 16-0019	EA		18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	346.42	71.68
33 42 26 16-0020	EA		21" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	418.63	78.40
33 42 26 16-0021	EA		24" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	464.12	85.12
33 42 26 16-0022	EA		30" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	778.11	96.32
33 42 26 16-0023	EA		36" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	1,006.54	115.42
33 42 26 16-0024	EA		42" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	1,597.65	134.66
33 42 26 16-0025	EA		48" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	1,963.73	153.89
33 42 26 16-0026	EA		54" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	2,296.08	192.37
33 42 26 16-0027	EA		60" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	3,177.92	230.84
33 42 26 16-0028	EA		66" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	3,615.76	346.26
33 42 26 16-0029	EA		72" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	4,237.26	461.68
33 42 26 16-0030	EA		78" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	4,614.72	495.34
33 42 26 16-0031	EA		84" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	5,001.22	529.00
33 42 26 16-0032			<b>Toe Plate Extensions For Galvanized Corrugated Steel Pipe End Section</b> <small>(33 42 26 16-0002)</small>		
33 42 26 16-0033	EA		Toe Plate Extension For 12" Diameter Galvanized Corrugated Steel Pipe End Section.....	31.50	
33 42 26 16-0034	EA		Toe Plate Extension For 15" Diameter Galvanized Corrugated Steel Pipe End Section.....	35.08	
33 42 26 16-0035	EA		Toe Plate Extension For 18" Diameter Galvanized Corrugated Steel Pipe End Section.....	39.48	
33 42 26 16-0036	EA		Toe Plate Extension For 21" Diameter Galvanized Corrugated Steel Pipe End Section.....	42.92	
33 42 26 16-0037	EA		Toe Plate Extension For 24" Diameter Galvanized Corrugated Steel Pipe End Section.....	48.03	
33 42 26 16-0038	EA		Toe Plate Extension For 30" Diameter Galvanized Corrugated Steel Pipe End Section.....	83.72	
33 42 26 16-0039	EA		Toe Plate Extension For 36" Diameter Galvanized Corrugated Steel Pipe End Section.....	90.10	
33 42 26 16-0040	EA		Toe Plate Extension For 42" Diameter Galvanized Corrugated Steel Pipe End Section.....	123.26	
33 42 26 16-0041	EA		Toe Plate Extension For 48" Diameter Galvanized Corrugated Steel Pipe End Section.....	131.97	
33 42 26 16-0042	EA		Toe Plate Extension For 54" Diameter Galvanized Corrugated Steel Pipe End Section.....	161.11	
33 42 26 16-0043	EA		Toe Plate Extension For 60" Diameter Galvanized Corrugated Steel Pipe End Section.....	165.10	
33 42 26 16-0044	EA		Toe Plate Extension For 66" Diameter Galvanized Corrugated Steel Pipe End Section.....	176.38	
33 42 26 16-0045	EA		Toe Plate Extension For 72" Diameter Galvanized Corrugated Steel Pipe End Section.....	201.06	
33 42 26 16-0046	EA		Toe Plate Extension For 78" Diameter Galvanized Corrugated Steel Pipe End Section.....	224.85	
33 42 26 16-0047	EA		84" Diameter Galvanized Corrugated Steel Pipe End Section Toe Plate Extension.....	230.47	
33 42 26 16-0048			<b>Galvanized Corrugated Steel Pipe-Arch End Sections</b> <small>(33 42 26 16-0001)</small>		
33 42 26 16-0049			<b>Type 1 Galvanized Corrugated Steel Pipe-Arch End Sections</b> <small>(33 42 26 16-0048)</small>		
			Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.		
33 42 26 16-0050	EA		17" x 13" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section.....	282.85	67.20
33 42 26 16-0051	EA		21" x 15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section.....	329.65	71.68
33 42 26 16-0052	EA		24" x 18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section.....	398.50	78.40
33 42 26 16-0053	EA		28" x 20" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section.....	441.29	85.12
33 42 26 16-0054			<b>Type 2 Galvanized Corrugated Steel Pipe-Arch End Sections</b> <small>(33 42 26 16-0048)</small>		
			Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.		
33 42 26 16-0055	EA		17" x 13" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section.....	273.70	67.20
33 42 26 16-0056	EA		21" x 15" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section.....	312.72	71.68
33 42 26 16-0057	EA		24" x 18" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section.....	350.03	78.40
33 42 26 16-0058	EA		28" x 20" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section.....	395.01	85.12
33 42 26 16-0059	EA		35" x 24" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section.....	576.06	96.32
33 42 26 16-0060	EA		42" x 29" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section.....	840.21	115.42
33 42 26 16-0061	EA		49" x 33" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section.....	1,303.30	134.66
33 42 26 16-0062	EA		57" x 38" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section.....	1,648.98	153.89
33 42 26 16-0063			<b>Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Sections</b> <small>(33 42 26 16-0048)</small>		
			Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.		
33 42 26 16-0064	EA		17" x 13" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section.....	278.34	67.20
33 42 26 16-0065	EA		21" x 15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section.....	322.82	71.68
33 42 26 16-0066	EA		24" x 18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section.....	365.81	78.40
33 42 26 16-0067	EA		28" x 20" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section.....	413.72	85.12
33 42 26 16-0068	EA		35" x 24" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section.....	607.87	96.32

		<b>Utilities</b>	<b>33</b>
		<b>Stormwater Utilities</b>	<b>33 40</b>
		<b>Stormwater Conveyance</b>	<b>33 42</b>
MINOR		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 16-0069	EA		42" x 29" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section.....	883.60	115.42
33 42 26 16-0070	EA		49" x 33" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section.....	1,372.72	134.66
33 42 26 16-0071	EA		57" x 38" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section.....	1,728.86	153.89
33 42 26 16-0072	EA		64" x 43" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section.....	2,080.91	192.37
33 42 26 16-0073	EA		71" x 47" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section.....	2,733.26	230.84
33 42 26 16-0074	EA		77" x 52" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section.....	3,817.32	346.26
33 42 26 16-0075	EA		83" x 57" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section.....	4,234.58	461.68
<b>33 42 26 16-0076</b>			<b>Toe Plate Extensions For Galvanized Corrugated Steel Pipe-Arch End Section</b> <i>(33 42 26 16-0048)</i>		
33 42 26 16-0077	EA		Toe Plate Extension For 17" x 13" Galvanized Corrugated Steel Pipe-Arch End Section.....	35.08	
33 42 26 16-0078	EA		Toe Plate Extension For 21" x 15" Galvanized Corrugated Steel Pipe-Arch End Section.....	39.48	
33 42 26 16-0079	EA		Toe Plate Extension For 24" x 18" Galvanized Corrugated Steel Pipe-Arch End Section.....	42.92	
33 42 26 16-0080	EA		Toe Plate Extension For 28" x 20" Galvanized Corrugated Steel Pipe-Arch End Section.....	48.03	
33 42 26 16-0081	EA		Toe Plate Extension For 35" x 24" Galvanized Corrugated Steel Pipe-Arch End Section.....	83.72	
33 42 26 16-0082	EA		Toe Plate Extension For 42" x 29" Galvanized Corrugated Steel Pipe-Arch End Section.....	90.10	
33 42 26 16-0083	EA		Toe Plate Extension For 49" x 33" Galvanized Corrugated Steel Pipe-Arch End Section.....	123.26	
33 42 26 16-0084	EA		Toe Plate Extension For 57" x 38" Galvanized Corrugated Steel Pipe-Arch End Section.....	137.22	
33 42 26 16-0085	EA		Toe Plate Extension For 64" x 43" Galvanized Corrugated Steel Pipe-Arch End Section.....	161.11	
33 42 26 16-0086	EA		Toe Plate Extension For 71" x 47" Galvanized Corrugated Steel Pipe-Arch End Section.....	167.19	
33 42 26 16-0087	EA		Toe Plate Extension For 77" x 52" Galvanized Corrugated Steel Pipe-Arch End Section.....	193.41	
33 42 26 16-0088	EA		Toe Plate Extension For 83" x 57" Galvanized Corrugated Steel Pipe-Arch End Section.....	219.81	
<b>33 42 26 16-0089</b>			<b>Corrugated Aluminum Pipe End Sections</b> <i>(33 42 26 16-0001)</i>		
<b>33 42 26 16-0090</b>			<b>Corrugated Aluminum Pipe End Sections</b> <i>(33 42 26 16-0089)</i>		
33 42 26 16-0091	EA		12" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section.....	367.39	62.72
33 42 26 16-0092	EA		15" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section.....	423.19	67.20
33 42 26 16-0093	EA		18" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section.....	501.40	71.68
33 42 26 16-0094	EA		21" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section.....	621.15	78.40
33 42 26 16-0095	EA		24" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section.....	810.55	85.12
33 42 26 16-0096	EA		30" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section.....	1,214.20	96.32
33 42 26 16-0097	EA		36" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section.....	1,651.99	115.42
33 42 26 16-0098	EA		36" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section.....	2,055.24	115.42
33 42 26 16-0099	EA		42" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section.....	2,620.82	134.66
33 42 26 16-0100	EA		48" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section.....	3,739.06	153.89
33 42 26 16-0101	EA		54" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section.....	4,142.61	192.37
33 42 26 16-0102	EA		60" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	5,582.39	230.84
33 42 26 16-0103	EA		66" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	6,326.49	346.26
33 42 26 16-0104	EA		72" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	7,402.00	461.68
33 42 26 16-0105	EA		78" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	8,083.86	495.34
33 42 26 16-0106	EA		84" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	8,530.23	529.00
33 42 26 16-0107	EA		90" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	11,663.99	577.10
33 42 26 16-0108	EA		96" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	12,911.94	625.19
<b>33 42 26 16-0109</b>			<b>Toe Plate Extensions For Corrugated Aluminum Pipe End Section</b> <i>(33 42 26 16-0089)</i>		
33 42 26 16-0110	EA		Toe Plate Extension For 12" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section.....	57.51	
33 42 26 16-0111	EA		Toe Plate Extension For 15" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section.....	60.97	
33 42 26 16-0112	EA		Toe Plate Extension For 18" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section.....	66.16	
33 42 26 16-0113	EA		Toe Plate Extension For 21" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section.....	74.48	
33 42 26 16-0114	EA		Toe Plate Extension For 24" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section.....	79.01	
33 42 26 16-0115	EA		Toe Plate Extension For 30" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section.....	102.32	
33 42 26 16-0116	EA		Toe Plate Extension For 36" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section.....	122.65	
33 42 26 16-0117	EA		Toe Plate Extension For 36" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section.....	129.38	
33 42 26 16-0118	EA		Toe Plate Extension For 42" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section.....	141.91	
33 42 26 16-0119	EA		Toe Plate Extension For 48" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section.....	160.40	
33 42 26 16-0120	EA		Toe Plate Extension For 54" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section.....	189.64	
33 42 26 16-0121	EA		Toe Plate Extension For 60" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	264.94	
33 42 26 16-0122	EA		Toe Plate Extension For 66" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	285.61	
33 42 26 16-0123	EA		Toe Plate Extension For 72" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	362.37	
33 42 26 16-0124	EA		Toe Plate Extension For 78" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	392.20	
33 42 26 16-0125	EA		Toe Plate Extension For 84" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	417.92	
33 42 26 16-0126	EA		Toe Plate Extension For 90" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	444.94	
33 42 26 16-0127	EA		Toe Plate Extension For 96" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	472.30	
<b>33 42 26 16-0128</b>			<b>Corrugated Aluminum Pipe-Arch End Sections</b> <i>(33 42 26 16-0001)</i>		
<b>33 42 26 16-0129</b>			<b>Corrugated Aluminum Pipe-Arch End Sections</b> <i>(33 42 26 16-0128)</i>		
33 42 26 16-0130	EA		17" x 13" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	436.23	67.20
33 42 26 16-0131	EA		21" x 15" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	533.17	71.68
33 42 26 16-0132	EA		24" x 18" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	579.01	78.40
33 42 26 16-0133	EA		28" x 20" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	624.81	85.12
33 42 26 16-0134	EA		35" x 24" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	935.60	96.32
33 42 26 16-0135	EA		42" x 29" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	1,670.52	115.42
33 42 26 16-0136	EA		42" x 29" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	1,772.76	115.42
33 42 26 16-0137	EA		49" x 33" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	2,368.65	134.66
33 42 26 16-0138	EA		57" x 38" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	3,640.86	153.89
33 42 26 16-0139	EA		64" x 43" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	4,169.27	192.37
33 42 26 16-0140	EA		71" x 47" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	5,040.95	230.84
33 42 26 16-0141	EA		77" x 52" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	8,442.90	346.26
33 42 26 16-0142	EA		83" x 57" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	8,865.69	461.68

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

33 42 26 16-0143	EA	87" x 63" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	9,652.87	495.34
33 42 26 16-0144	EA	95" x 67" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	10,075.68	529.00
33 42 26 16-0145	EA	103" x 71" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	10,982.58	577.10
33 42 26 16-0146	EA	112" x 75" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	11,635.32	625.19
<b>33 42 26 16-0147</b>		<b>Toe Plate Extensions For Corrugated Aluminum Pipe-Arch End Section (33-42</b>		
		<small>26 16-0128)</small>		
33 42 26 16-0148	EA	Toe Plate Extension For 17" x 13", 16 Gauge, Corrugated Aluminum Pipe End Section.....	60.97	
33 42 26 16-0149	EA	Toe Plate Extension For 21" x 15", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	66.16	
33 42 26 16-0150	EA	Toe Plate Extension For 24" x 18", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	69.77	
33 42 26 16-0151	EA	Toe Plate Extension For 28" x 20", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	76.42	
33 42 26 16-0152	EA	Toe Plate Extension For 35" x 24", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	87.51	
33 42 26 16-0153	EA	Toe Plate Extension For 42" x 29", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	114.13	
33 42 26 16-0154	EA	Toe Plate Extension For 42" x 29", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	124.87	
33 42 26 16-0155	EA	Toe Plate Extension For 49" x 33", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	141.91	
33 42 26 16-0156	EA	Toe Plate Extension For 57" x 38", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	160.40	
33 42 26 16-0157	EA	Toe Plate Extension For 64" x 43", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	189.64	
33 42 26 16-0158	EA	Toe Plate Extension For 71" x 47", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	241.06	
33 42 26 16-0159	EA	Toe Plate Extension For 77" x 52", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	305.60	
33 42 26 16-0160	EA	Toe Plate Extension For 83" x 57", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	412.36	
33 42 26 16-0161	EA	Toe Plate Extension For 87" x 63", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	468.29	
33 42 26 16-0162	EA	Toe Plate Extension For 95" x 67", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	490.49	
33 42 26 16-0163	EA	Toe Plate Extension For 103" x 71", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	508.63	
33 42 26 16-0164	EA	Toe Plate Extension For 112" x 75", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	530.81	
<b>33 42 26 16-0165</b>		<b>Low Slope Corrugated Steel Pipe End Sections And Accessories (33 42 26 16-0001)</b>		
<b>33 42 26 16-0166</b>		<b>4:1 Corrugated Steel Pipe End Sections (33 42 26 16-0165)</b>		
33 42 26 16-0167	EA	15" 16 Gauge, 4:1 Corrugated Steel Pipe End Section.....	561.40	67.20
33 42 26 16-0168	EA	18" 16 Gauge, 4:1 Corrugated Steel Pipe End Section.....	722.94	71.68
33 42 26 16-0169	EA	21" 16 Gauge, 4:1 Corrugated Steel Pipe End Section.....	885.16	78.40
33 42 26 16-0170	EA	24" 16 Gauge, 4:1 Corrugated Steel Pipe End Section.....	1,058.90	85.12
33 42 26 16-0171	EA	30" 16 Gauge, 4:1 Corrugated Steel Pipe End Section.....	1,120.32	96.32
33 42 26 16-0172	EA	36" 16 Gauge, 4:1 Corrugated Steel Pipe End Section.....	1,466.28	115.42
33 42 26 16-0173	EA	42" 16 Gauge, 4:1 Corrugated Steel Pipe End Section.....	2,318.28	134.66
<b>33 42 26 16-0174</b>		<b>3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe End Sections (33 42 26 16-0165)</b>		
		Note: Includes nut and bolt set.		
33 42 26 16-0175	EA	3" Diameter Parallel Safety Bar For 15" 4:1 Corrugated Steel Pipe End Section.....	400.10	
33 42 26 16-0176	EA	3" Diameter Parallel Safety Bar For 18" 4:1 Corrugated Steel Pipe End Section.....	802.28	
33 42 26 16-0177	EA	3" Diameter Parallel Safety Bar For 21" 4:1 Corrugated Steel Pipe End Section.....	880.41	
33 42 26 16-0178	EA	3" Diameter Parallel Safety Bar For 24" 4:1 Corrugated Steel Pipe End Section.....	915.31	
<b>33 42 26 16-0179</b>		<b>6:1 Corrugated Steel Pipe End Sections (33 42 26 16-0165)</b>		
33 42 26 16-0180	EA	15" 16 Gauge, 6:1 Corrugated Steel Pipe End Section.....	587.88	67.20
33 42 26 16-0181	EA	18" 16 Gauge, 6:1 Corrugated Steel Pipe End Section.....	770.56	71.68
33 42 26 16-0182	EA	21" 16 Gauge, 6:1 Corrugated Steel Pipe End Section.....	1,025.32	78.40
33 42 26 16-0183	EA	24" 16 Gauge, 6:1 Corrugated Steel Pipe End Section.....	1,204.57	85.12
33 42 26 16-0184	EA	30" 16 Gauge, 6:1 Corrugated Steel Pipe End Section.....	1,429.55	96.32
33 42 26 16-0185	EA	36" 16 Gauge, 6:1 Corrugated Steel Pipe End Section.....	1,739.22	115.42
33 42 26 16-0186	EA	42" 16 Gauge, 6:1 Corrugated Steel Pipe End Section.....	2,659.77	134.66
<b>33 42 26 16-0187</b>		<b>3" Diameter Parallel Safety Bar For 6:1 Corrugated Steel Pipe End Sections (33 42 26 16-0165)</b>		
		Note: Includes nut and bolt set.		
33 42 26 16-0188	EA	3" Diameter Parallel Safety Bar For 15" 6:1 Corrugated Steel Pipe End Section.....	779.10	
33 42 26 16-0189	EA	3" Diameter Parallel Safety Bar For 18" 6:1 Corrugated Steel Pipe End Section.....	826.92	
33 42 26 16-0190	EA	3" Diameter Parallel Safety Bar For 21" 6:1 Corrugated Steel Pipe End Section.....	909.53	
33 42 26 16-0191	EA	3" Diameter Parallel Safety Bar For 24" 6:1 Corrugated Steel Pipe End Section.....	955.63	
<b>33 42 26 16-0192</b>		<b>Toe Plate Extensions For Low Slope Corrugated Steel Pipe End Section (33 42</b>		
		<small>26 16-0165)</small>		
33 42 26 16-0193	EA	Toe Plate Extension For 15" Low Slope Corrugated Steel Pipe End Section.....	67.99	
33 42 26 16-0194	EA	Toe Plate Extension For 18" Low Slope Corrugated Steel Pipe End Section.....	76.33	
33 42 26 16-0195	EA	Toe Plate Extension For 21" Low Slope Corrugated Steel Pipe End Section.....	83.08	
33 42 26 16-0196	EA	Toe Plate Extension For 24" Low Slope Corrugated Steel Pipe End Section.....	92.78	
33 42 26 16-0197	EA	Toe Plate Extension For 30" Low Slope Corrugated Steel Pipe End Section.....	139.63	
33 42 26 16-0198	EA	Toe Plate Extension For 36" Low Slope Corrugated Steel Pipe End Section.....	149.87	
33 42 26 16-0199	EA	Toe Plate Extension For 42" Low Slope Corrugated Steel Pipe End Section.....	201.39	
<b>33 42 26 16-0200</b>		<b>Low Slope Corrugated Steel Pipe-Arch End Sections And Accessories (33 42 26</b>		
		<small>16-0001)</small>		
<b>33 42 26 16-0201</b>		<b>4:1 Corrugated Steel Pipe-Arch End Section (33 42 26 16-0200)</b>		
33 42 26 16-0202	EA	21" x 15" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section.....	667.16	71.68
33 42 26 16-0203	EA	24" x 18" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section.....	837.11	78.40
33 42 26 16-0204	EA	28" x 20" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section.....	990.86	85.12
33 42 26 16-0205	EA	35" x 24" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section.....	1,867.41	96.32

33 42 26 16-0206		<b>3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe-Arch End Sections</b> <small>(33 42 26 16-0200)</small>			
		Note: Includes nut and bolt set.			
		33 42 26 16-0207 EA 3" Diameter Parallel Safety Bar For 21" x 15" 4:1 Corrugated Steel Pipe-Arch End Section.....	476.72		
		33 42 26 16-0208 EA 3" Diameter Parallel Safety Bar For 24" x 18" 4:1 Corrugated Steel Pipe-Arch End Section.....	868.75		
		33 42 26 16-0209 EA 3" Diameter Parallel Safety Bar For 28" x 20" 4:1 Corrugated Steel Pipe-Arch End Section.....	915.31		
		33 42 26 16-0210 EA 3" Diameter Parallel Safety Bar For 35" x 24" 4:1 Corrugated Steel Pipe-Arch End Section.....	1,347.33		
33 42 26 16-0211		<b>Toe Plate Extensions For Low Slope Corrugated Steel Pipe-Arch End Section</b> <small>(33 42 26 16-0200)</small>			
		33 42 26 16-0212 EA Toe Plate Extension For 21" x 15" Low Slope Corrugated Steel Pipe-Arch End Section .....	68.73		
		33 42 26 16-0213 EA Toe Plate Extension For 24" x 18" Low Slope Corrugated Steel Pipe-Arch End Section .....	77.99		
		33 42 26 16-0214 EA Toe Plate Extension For 28" x 20" Low Slope Corrugated Steel Pipe-Arch End Section .....	85.02		
		33 42 26 16-0215 EA Toe Plate Extension For 35" x 24" Low Slope Corrugated Steel Pipe-Arch End Section .....	101.28		
33 42 26 19		<b>Corrugated High-Density Polyethylene (HDPE) End Sections for Stormwater Piping</b> <small>(33 42 26)</small>			
33 42 26 19-0001		<b>Corrugated High Density Polyethylene (HDPE) Pipe End Sections</b> <small>(33 42 26 19)</small>			
		33 42 26 19-0002 EA 4" End Section, Corrugated High Density Polyethylene (HDPE) Pipe .....	54.50	18.14	
		33 42 26 19-0003 EA 6" End Section, Corrugated High Density Polyethylene (HDPE) Pipe .....	101.80	27.21	
		33 42 26 19-0004 EA 8" End Section, Corrugated High Density Polyethylene (HDPE) Pipe .....	138.33	34.01	
		33 42 26 19-0005 EA 10" End Section, Corrugated High Density Polyethylene (HDPE) Pipe .....	217.84	54.42	
		33 42 26 19-0006 EA 12" End Section, Corrugated High Density Polyethylene (HDPE) Pipe .....	258.84	61.22	
		33 42 26 19-0007 EA 15" End Section, Corrugated High Density Polyethylene (HDPE) Pipe .....	274.72	65.76	
		33 42 26 19-0008 EA 18" End Section, Corrugated High Density Polyethylene (HDPE) Pipe .....	327.52	72.57	
		33 42 26 19-0009 EA 24" End Section, Corrugated High Density Polyethylene (HDPE) Pipe .....	423.50	86.16	
		33 42 26 19-0010 EA 30" End Section, Corrugated High Density Polyethylene (HDPE) Pipe .....	876.66	97.51	
		33 42 26 19-0011 EA 36" End Section, Corrugated High Density Polyethylene (HDPE) Pipe .....	1,069.76	108.84	
33 42 26 23		<b>Concrete End Sections for Stormwater Piping</b> <small>(33 42 26)</small>			
33 42 26 23-0001		<b>Precast Concrete End Sections</b> <small>(33 42 26 23)</small>			
33 42 26 23-0002		<b>Precast Concrete End Sections</b> <small>(33 42 26 23-0001)</small>			
		33 42 26 23-0003 EA 12" Diameter Pipe, Precast Concrete End Section.....	596.73	105.10	
		33 42 26 23-0004 EA 15" Diameter Pipe, Precast Concrete End Section.....	800.00	130.10	
		33 42 26 23-0005 EA 18" Diameter Pipe, Precast Concrete End Section.....	990.89	164.68	
		33 42 26 23-0006 EA 21" Diameter Pipe, Precast Concrete End Section.....	1,137.89	196.94	
		33 42 26 23-0007 EA 24" Diameter Pipe, Precast Concrete End Section.....	1,211.14	227.94	
		33 42 26 23-0008 EA 27" Diameter Pipe, Precast Concrete End Section.....	1,528.39	286.63	
		33 42 26 23-0009 EA 30" Diameter Pipe, Precast Concrete End Section.....	1,899.30	430.51	
		33 42 26 23-0010 EA 36" Diameter Pipe, Precast Concrete End Section.....	2,346.29	543.24	
		33 42 26 23-0011 EA 42" Diameter Pipe, Precast Concrete End Section.....	2,841.26	681.46	
		33 42 26 23-0012 EA 48" Diameter Pipe, Precast Concrete End Section.....	3,116.28	768.50	
		33 42 26 23-0013 EA 54" Diameter Pipe, Precast Concrete End Section.....	3,401.45	860.84	
		33 42 26 23-0014 EA 60" Diameter Pipe, Precast Concrete End Section.....	3,693.91	957.02	
33 42 26 23-0015		<b>Flared Precast Concrete End Sections</b> <small>(33 42 26 23-0001)</small>			
		33 42 26 23-0016 EA 12" Diameter Pipe, Flared Precast Concrete End Section.....	749.49	112.05	
		33 42 26 23-0017 EA 15" Diameter Pipe, Flared Precast Concrete End Section.....	902.98	139.66	
		33 42 26 23-0018 EA 18" Diameter Pipe, Flared Precast Concrete End Section.....	1,097.03	176.78	
		33 42 26 23-0019 EA 21" Diameter Pipe, Flared Precast Concrete End Section.....	1,254.55	211.41	
		33 42 26 23-0020 EA 24" Diameter Pipe, Flared Precast Concrete End Section.....	1,529.40	244.69	
		33 42 26 23-0021 EA 27" Diameter Pipe, Flared Precast Concrete End Section.....	1,854.74	390.79	
		33 42 26 23-0022 EA 30" Diameter Pipe, Flared Precast Concrete End Section.....	1,943.87	538.05	
		33 42 26 23-0023 EA 36" Diameter Pipe, Flared Precast Concrete End Section.....	2,621.21	679.05	
		33 42 26 23-0024 EA 42" Diameter Pipe, Flared Precast Concrete End Section.....	3,149.42	851.98	
		33 42 26 23-0025 EA 48" Diameter Pipe, Flared Precast Concrete End Section.....	3,412.03	960.86	
		33 42 26 23-0026 EA 54" Diameter Pipe, Flared Precast Concrete End Section.....	3,816.55	1,076.19	
		33 42 26 23-0027 EA 60" Diameter Pipe, Flared Precast Concrete End Section.....	4,228.91	1,195.36	
33 42 31		<b>Stormwater Area Drains and Inlets</b> <small>(33 42)</small>			
33 42 31 00-0001		<b>Storm Drains</b> <small>(33 42 31)</small>			
		See CSI section 33 05 61 00-0001 for manhole structures.			
33 42 31 00-0002		<b>Catch Basins And Inlet Basins</b> <small>(33 42 31 00-0001)</small>			
		Note: Includes base slab, opening and grout. Excludes frame, grate, excavation and backfill.			
33 42 31 00-0003		<b>Cast In Place, Grate Drop Inlet Basins</b> <small>(33 42 31 00-0002)</small>			
		Note: Inside dimensions.			
33 42 31 00-0004		<b>3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basins</b> <small>(33 42 31 00-0003)</small>			
		33 42 31 00-0005 EA 2' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin .....	1,676.63	308.20	
		33 42 31 00-0006 EA 3' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin .....	2,003.43	361.11	
		33 42 31 00-0007 EA 4' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin .....	2,330.24	413.94	
		33 42 31 00-0008 EA 5' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin .....	2,657.05	466.85	
		33 42 31 00-0009 EA 6' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin .....	2,983.85	519.67	

**33 Utilities**  
**33 40 Stormwater Utilities**  
**33 42 Stormwater Conveyance**

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0010			<b>3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basins</b> (33 42 31 00-0003)		
33 42 31 00-0011	EA		2' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	2,166.40	306.34
33 42 31 00-0012	EA		3' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	2,678.22	408.47
33 42 31 00-0013	EA		4' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	3,414.93	556.99
33 42 31 00-0014	EA		5' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	4,162.95	649.83
33 42 31 00-0015	EA		6' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	4,748.63	742.66
33 42 31 00-0016			<b>4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basins</b> (33 42 31 00-0003)		
33 42 31 00-0017	EA		2' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin .....	2,329.22	334.19
33 42 31 00-0018	EA		3' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin .....	3,227.15	464.16
33 42 31 00-0019	EA		4' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin .....	3,937.67	603.41
33 42 31 00-0020	EA		5' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin .....	4,547.03	696.24
33 42 31 00-0021	EA		6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin .....	5,766.20	891.19
33 42 31 00-0022			<b>Cast In Place, Catch Basin</b> (33 42 31 00-0002)		
			Note: Inside span, overall depth. Includes concrete, forms, rebar (where required), finish and curing.		
33 42 31 00-0023			<b>3' x 3', Cast In Place, Catch Basins</b> (33 42 31 00-0022)		
33 42 31 00-0024	EA		3' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin .....	2,203.57	372.63
33 42 31 00-0025	EA		3'-6" Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin .....	2,336.41	396.20
33 42 31 00-0026	EA		4' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin .....	2,569.49	425.54
33 42 31 00-0027	EA		4'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin .....	2,882.55	471.03
33 42 31 00-0028	EA		5' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin .....	3,124.74	501.39
33 42 31 00-0029	EA		5'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin .....	3,269.69	525.81
33 42 31 00-0030	EA		6' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin .....	3,512.05	556.16
33 42 31 00-0031	EA		6'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin .....	3,653.80	580.67
33 42 31 00-0032	EA		7' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin .....	3,897.57	610.93
33 42 31 00-0033	EA		7'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin .....	4,041.10	635.43
33 42 31 00-0034	EA		8' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin .....	4,283.38	665.79
33 42 31 00-0035	VLF		>8' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin .....	535.45	83.18
33 42 31 00-0036			<b>3'-6" x 3'-6", Cast In Place, Catch Basins</b> (33 42 31 00-0022)		
33 42 31 00-0037	EA		3' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin .....	2,534.31	430.74
33 42 31 00-0038	EA		3'-6" Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin .....	2,701.70	461.00
33 42 31 00-0039	EA		4' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin .....	2,944.72	491.36
33 42 31 00-0040	EA		4'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	3,310.33	544.18
33 42 31 00-0041	EA		5' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	3,574.90	578.53
33 42 31 00-0042	EA		5'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	3,742.02	607.03
33 42 31 00-0043	EA		6' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	4,009.58	641.37
33 42 31 00-0044	EA		6'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	4,176.70	669.87
33 42 31 00-0045	EA		7' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	4,442.57	704.23
33 42 31 00-0046	EA		7'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	4,610.00	732.73
33 42 31 00-0047	EA		8' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	4,875.94	767.07
33 42 31 00-0048	VLF		>8' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	609.51	95.90
33 42 31 00-0049			<b>4' x 4', Cast In Place, Catch Basins</b> (33 42 31 00-0022)		
33 42 31 00-0050	EA		3' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin .....	2,888.28	492.75
33 42 31 00-0051	EA		3'-6" Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin .....	3,065.61	524.03
33 42 31 00-0052	EA		4' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin .....	3,341.77	561.08
33 42 31 00-0053	EA		4'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin .....	3,760.51	621.33
33 42 31 00-0054	EA		5' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin .....	4,050.36	659.67
33 42 31 00-0055	EA		5'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin .....	4,241.28	692.25
33 42 31 00-0056	EA		6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin .....	4,531.11	730.59
33 42 31 00-0057	EA		6'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin .....	4,721.73	763.17
33 42 31 00-0058	EA		7' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin .....	5,011.58	801.51
33 42 31 00-0059	EA		7'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin .....	5,202.50	834.10
33 42 31 00-0060	EA		8' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin .....	5,492.34	872.53
33 42 31 00-0061	VLF		>8' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin .....	686.51	109.08
33 42 31 00-0062			<b>4'-6" x 4'-6", Cast In Place, Catch Basins</b> (33 42 31 00-0022)		
33 42 31 00-0063	EA		3' Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin .....	3,330.95	571.39
33 42 31 00-0064	EA		3'-6" Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin .....	3,537.36	603.69
33 42 31 00-0065	EA		4' Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin .....	3,840.99	645.46
33 42 31 00-0066	EA		4'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	4,318.25	713.98
33 42 31 00-0067	EA		5' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	4,637.83	757.24
33 42 31 00-0068	EA		5'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	4,858.58	794.65
33 42 31 00-0069	EA		6' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	5,178.44	837.91
33 42 31 00-0070	EA		6'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	5,399.18	875.41
33 42 31 00-0071	EA		7' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	5,718.76	918.67
33 42 31 00-0072	EA		7'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	5,938.11	956.08
33 42 31 00-0073	EA		8' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	6,259.38	999.34
33 42 31 00-0074	VLF		>8' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	782.47	124.95
33 42 31 00-0075			<b>5' x 5', Cast In Place, Catch Basins</b> (33 42 31 00-0022)		
33 42 31 00-0076	EA		4' Deep, 5' x 5' x 6" Thick Wall, Cast In Place, Catch Basin .....	4,297.05	724.74
33 42 31 00-0077	EA		4'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin .....	4,828.43	800.86



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 31 00-0078	EA	5' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin .....	5,173.67	848.31
33 42 31 00-0079	EA	5'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin .....	5,418.67	889.89
33 42 31 00-0080	EA	6' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin .....	5,760.81	937.24
33 42 31 00-0081	EA	6'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin .....	6,007.20	978.82
33 42 31 00-0082	EA	7' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin .....	6,351.04	1,026.26
33 42 31 00-0083	EA	7'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin .....	6,594.34	1,067.85
33 42 31 00-0084	EA	8' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin .....	6,939.58	1,115.19
33 42 31 00-0085	VLF	>8' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin .....	1,330.68	139.43
<b>33 42 31 00-0086 5'-6" x 5'-6", Cast In Place, Catch Basins (33 42 31 00-0022)</b>				
33 42 31 00-0087	EA	4' Deep, 5'-6" x 5'-6" x 6" Thick Wall, Cast In Place, Catch Basin .....	4,775.09	808.19
33 42 31 00-0088	EA	4'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	5,528.69	914.87
33 42 31 00-0089	EA	5' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	5,908.31	967.59
33 42 31 00-0090	EA	5'-6" Deep, 5'-6" x 5' x 8" Thick Wall, Cast In Place, Catch Basin .....	6,167.69	1,014.84
33 42 31 00-0091	EA	6' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	6,569.01	1,067.94
33 42 31 00-0092	EA	6'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	6,849.79	1,115.19
33 42 31 00-0093	EA	7' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	7,229.41	1,168.29
33 42 31 00-0094	EA	7'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	7,508.78	1,215.54
33 42 31 00-0095	EA	8' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	7,888.40	1,268.65
33 42 31 00-0096	VLF	>8' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	986.05	158.56
<b>33 42 31 00-0097 6' x 6', Cast In Place, Catch Basins (33 42 31 00-0022)</b>				
33 42 31 00-0098	EA	4' Deep, 6' x 6' x 6" Thick Wall, Cast In Place, Catch Basin .....	5,278.45	895.56
33 42 31 00-0099	EA	4'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin .....	6,108.54	1,012.61
33 42 31 00-0100	EA	5' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin .....	6,514.37	1,069.99
33 42 31 00-0101	EA	5'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin .....	6,819.67	1,121.51
33 42 31 00-0102	EA	6' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin .....	7,224.10	1,178.87
33 42 31 00-0103	EA	6'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin .....	7,531.10	1,230.40
33 42 31 00-0104	EA	7' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin .....	7,935.23	1,287.77
33 42 31 00-0105	EA	7'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin .....	8,240.83	1,339.29
33 42 31 00-0106	EA	8' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin .....	8,646.65	1,396.66
33 42 31 00-0107	VLF	>8' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin .....	1,080.87	174.61
<b>33 42 31 00-0108 6'-6" x 6'-6", Cast In Place, Catch Basins (33 42 31 00-0022)</b>				
33 42 31 00-0109	EA	4' Deep, 6'-6" x 6'-6" x 6" Thick Wall, Cast In Place, Catch Basin .....	5,803.98	987.09
33 42 31 00-0110	EA	4'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	6,924.10	1,143.60
33 42 31 00-0111	EA	5' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	7,367.47	1,207.10
33 42 31 00-0112	EA	5'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	7,711.92	1,264.75
33 42 31 00-0113	EA	6' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	8,155.30	1,328.15
33 42 31 00-0114	EA	6'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	8,499.75	1,385.90
33 42 31 00-0115	EA	7' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	8,943.13	1,449.29
33 42 31 00-0116	EA	7'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	9,287.58	1,506.94
33 42 31 00-0117	EA	8' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	9,732.65	1,570.44
33 42 31 00-0118	VLF	>8' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	1,216.53	196.34
<b>33 42 31 00-0119 7' x 7', Cast In Place, Catch Basins (33 42 31 00-0022)</b>				
33 42 31 00-0120	EA	4' Deep, 7' x 7' x 6" Thick Wall, Cast In Place, Catch Basin .....	6,353.28	1,082.61
33 42 31 00-0121	EA	4'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin .....	7,578.60	1,253.42
33 42 31 00-0122	EA	5' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin .....	8,048.74	1,321.37
33 42 31 00-0123	EA	5'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin .....	8,418.36	1,383.39
33 42 31 00-0124	EA	6' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin .....	8,889.82	1,451.25
33 42 31 00-0125	EA	6'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin .....	9,293.43	1,513.35
33 42 31 00-0126	EA	7' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin .....	9,729.59	1,581.21
33 42 31 00-0127	EA	7'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin .....	10,100.61	1,643.32
33 42 31 00-0128	EA	8' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin .....	10,570.66	1,711.18
33 42 31 00-0129	VLF	>8' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin .....	1,321.38	213.89
<b>33 42 31 00-0130 7'-6" x 7'-6", Cast In Place, Catch Basins (33 42 31 00-0022)</b>				
33 42 31 00-0131	EA	4' Deep, 7'-6" x 7'-6" x 6" Thick Wall, Cast In Place, Catch Basin .....	7,167.19	1,215.08
33 42 31 00-0132	EA	4'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	8,259.96	1,367.69
33 42 31 00-0133	EA	5' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	8,755.18	1,440.01
33 42 31 00-0134	EA	5'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	9,152.97	1,506.48
33 42 31 00-0135	EA	6' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	9,489.50	1,578.79
33 42 31 00-0136	EA	6'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	10,047.29	1,645.26
33 42 31 00-0137	EA	7' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	10,542.51	1,717.58
33 42 31 00-0138	EA	7'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	10,940.30	1,784.04
33 42 31 00-0139	EA	8' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	11,436.92	1,856.36
33 42 31 00-0140	VLF	>8' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	1,429.58	232.08
<b>33 42 31 00-0141 8' x 8', Cast In Place, Catch Basins (33 42 31 00-0022)</b>				
33 42 31 00-0142	EA	4' Deep, 8' x 8' x 6" Thick Wall, Cast In Place, Catch Basin .....	7,786.75	1,322.02
33 42 31 00-0143	EA	4'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin .....	8,966.27	1,486.43
33 42 31 00-0144	EA	5' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin .....	9,488.07	1,563.11
33 42 31 00-0145	EA	5'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin .....	9,912.63	1,634.03
33 42 31 00-0146	EA	6' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin .....	10,434.32	1,710.71
33 42 31 00-0147	EA	6'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin .....	10,856.08	1,781.64
33 42 31 00-0148	EA	7' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin .....	11,380.59	1,858.32
33 42 31 00-0149	EA	7'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin .....	11,805.15	1,929.24

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

33 42 31 00-0150	EA	8' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin .....	12,318.60	2,005.92
33 42 31 00-0151	VLF	>8' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin .....	1,540.85	250.74
<b>33 42 31 00-0152</b>		<b>Precast Concrete Catch Basins (33 42 31 00-0002)</b>		
		Note: Inside dimensions.		
<b>33 42 31 00-0153</b>		<b>1'-6" Diameter Precast Catch Basins (33 42 31 00-0152)</b>		
33 42 31 00-0154	EA	4' Deep, 1'-6" Diameter Precast Catch Basins .....	651.63	196.27
33 42 31 00-0155	EA	6' Deep, 1'-6" Diameter Precast Catch Basins .....	903.70	294.40
33 42 31 00-0156	EA	8' Deep, 1'-6" Diameter Precast Catch Basins .....	1,142.89	382.73
33 42 31 00-0157	EA	10' Deep, 1'-6" Diameter Precast Catch Basins .....	1,370.02	452.40
33 42 31 00-0158	EA	12' Deep, 1'-6" Diameter Precast Catch Basins .....	1,684.79	574.09
33 42 31 00-0159	EA	14' Deep, 1'-6" Diameter Precast Catch Basins .....	1,926.59	662.41
33 42 31 00-0160	VLF	Vertical Linear Foot Over 14' Deep, 1'-6" Diameter Precast Catch Basins .....	133.95	44.16
<b>33 42 31 00-0161</b>		<b>2' Diameter Precast Catch Basins (33 42 31 00-0152)</b>		
33 42 31 00-0162	EA	4' Deep, 2' Diameter Precast Catch Basin .....	743.22	218.35
33 42 31 00-0163	EA	6' Deep, 2' Diameter Precast Catch Basin .....	1,025.01	323.85
33 42 31 00-0164	EA	8' Deep, 2' Diameter Precast Catch Basin .....	1,291.30	426.89
33 42 31 00-0165	EA	10' Deep, 2' Diameter Precast Catch Basin .....	1,543.15	498.03
33 42 31 00-0166	EA	12' Deep, 2' Diameter Precast Catch Basin .....	1,908.81	637.88
33 42 31 00-0167	EA	14' Deep, 2' Diameter Precast Catch Basin .....	2,180.03	736.02
33 42 31 00-0168	VLF	Vertical Linear Foot Over 14' Deep, 2' Diameter Precast Catch Basin .....	151.61	52.99
<b>33 42 31 00-0169</b>		<b>3' Diameter Precast Catch Basins (33 42 31 00-0152)</b>		
33 42 31 00-0170	EA	4' Deep, 3' Diameter Precast Catch Basin .....	985.59	257.60
33 42 31 00-0171	EA	6' Deep, 3' Diameter Precast Catch Basin .....	1,340.81	380.77
33 42 31 00-0172	EA	8' Deep, 3' Diameter Precast Catch Basin .....	1,680.76	502.95
33 42 31 00-0173	EA	10' Deep, 3' Diameter Precast Catch Basin .....	2,093.30	628.06
33 42 31 00-0174	EA	12' Deep, 3' Diameter Precast Catch Basin .....	2,471.30	748.77
33 42 31 00-0175	EA	14' Deep, 3' Diameter Precast Catch Basin .....	2,835.55	871.44
33 42 31 00-0176	VLF	Vertical Linear Foot Over 14' Deep, 3' Diameter Precast Catch Basin .....	194.71	62.24
<b>33 42 31 00-0177</b>		<b>4' Diameter Precast Catch Basins (33 42 31 00-0152)</b>		
33 42 31 00-0178	EA	4' Deep, 4' Diameter Precast Catch Basin .....	1,196.03	286.55
33 42 31 00-0179	EA	6' Deep, 4' Diameter Precast Catch Basin .....	1,552.55	392.54
33 42 31 00-0180	EA	8' Deep, 4' Diameter Precast Catch Basin .....	2,069.62	588.81
33 42 31 00-0181	EA	10' Deep, 4' Diameter Precast Catch Basin .....	2,582.53	736.02
33 42 31 00-0182	EA	12' Deep, 4' Diameter Precast Catch Basin .....	3,050.89	883.21
33 42 31 00-0183	EA	14' Deep, 4' Diameter Precast Catch Basin .....	3,503.64	1,030.42
33 42 31 00-0184	VLF	Vertical Linear Foot Over 14' Deep, 4' Diameter Precast Catch Basin .....	240.01	73.60
<b>33 42 31 00-0185</b>		<b>5' Diameter Precast Catch Basins (33 42 31 00-0152)</b>		
33 42 31 00-0186	EA	4' Deep, 5' Diameter Precast Catch Basin .....	1,609.13	392.54
33 42 31 00-0187	EA	6' Deep, 5' Diameter Precast Catch Basin .....	2,195.36	588.81
33 42 31 00-0188	EA	8' Deep, 5' Diameter Precast Catch Basin .....	2,784.49	785.08
33 42 31 00-0189	EA	10' Deep, 5' Diameter Precast Catch Basin .....	3,402.65	981.35
33 42 31 00-0190	EA	12' Deep, 5' Diameter Precast Catch Basin .....	4,011.15	1,177.62
33 42 31 00-0191	EA	14' Deep, 5' Diameter Precast Catch Basin .....	4,666.95	1,373.89
33 42 31 00-0192	VLF	Vertical Linear Foot Over 14' Deep, 5' Diameter Precast Catch Basin .....	319.30	98.13
<b>33 42 31 00-0193</b>		<b>6' Diameter Precast Catch Basins (33 42 31 00-0152)</b>		
33 42 31 00-0194	EA	4' Deep, 6' Diameter Precast Catch Basin .....	2,352.53	588.81
33 42 31 00-0195	EA	6' Deep, 6' Diameter Precast Catch Basin .....	3,176.63	883.21
33 42 31 00-0196	EA	8' Deep, 6' Diameter Precast Catch Basin .....	4,059.95	1,177.62
33 42 31 00-0197	EA	10' Deep, 6' Diameter Precast Catch Basin .....	5,059.23	1,472.02
33 42 31 00-0198	EA	12' Deep, 6' Diameter Precast Catch Basin .....	6,027.06	1,766.43
33 42 31 00-0199	EA	14' Deep, 6' Diameter Precast Catch Basin .....	6,971.13	2,060.83
33 42 31 00-0200	VLF	Vertical Linear Foot Over 14' Deep, 6' Diameter Precast Catch Basin .....	475.82	147.21
<b>33 42 31 00-0201</b>		<b>Precast Catch Basins Accessories (33 42 31 00-0152)</b>		
33 42 31 00-0202	EA	Single Or Double Wing Slab Top With Throat .....	1,376.79	637.88
33 42 31 00-0203	EA	4' x 4' Weir Box, Precast Catch Basin .....	664.66	78.51
33 42 31 00-0204	EA	4' Diameter Inlet Round To Square Adapter, Precast Catch Basin .....	367.69	83.41
33 42 31 00-0205	EA	3' Diameter, Up To 6" High, Precast Extension Ring .....	455.97	122.67
		For Each Additional Inch In Height, Add	55.53	
33 42 31 00-0206	EA	4' Diameter, Up To 6" High, Precast Extension Ring .....	537.47	147.21
		For Each Additional Inch In Height, Add	65.02	
33 42 31 00-0207	EA	5' Diameter, Up To 6" High, Precast Extension Ring .....	626.95	171.74
		For Each Additional Inch In Height, Add	75.90	
33 42 31 00-0208	EA	6' Diameter, Up To 6" High, Precast Extension Ring .....	780.31	245.34
		For Each Additional Inch In Height, Add	89.20	
33 42 31 00-0209	EA	Adjust Existing Catch Basin Inlet Grate To Match Grade .....	588.78	
<b>33 42 31 00-0210</b>		<b>Catch Basin Risers (33 42 31 00-0152)</b>		
33 42 31 00-0211	EA	Up To 860 Square Inch, Up To 2" Rise, Catch Basin Riser .....	346.61	

		<b>Utilities</b>	<b>33</b>	<b>CS</b>
		<b>Stormwater Utilities</b>	<b>33 40</b>	
		<b>Stormwater Conveyance</b>	<b>33 42</b>	
MINOR	TOTAL DIRECT			DEMOLITION
CSI UOM DESCRIPTION	UNIT COST			UNIT COST

33 42 31 00-0212	EA	>860 To 1140 Square Inch, Up To 2" Rise, Catch Basin Riser.....	385.97	
33 42 31 00-0213	EA	>1140 Square Inch, Up To 2" Rise, Catch Basin Riser.....	432.75	
33 42 31 00-0214	EA	Up To 860 Square Inch, >2" To 3" Rise, Catch Basin Riser .....	373.02	
33 42 31 00-0215	EA	>860 To 1140 Square Inch, >2" To 3" Rise, Catch Basin Riser.....	415.03	
33 42 31 00-0216	EA	>1140 Square Inch, >2" To 3" Rise, Catch Basin Riser.....	466.84	
33 42 31 00-0217	EA	Up To 860 Square Inch, >3" To 4" Rise, Catch Basin Riser.....	412.17	
33 42 31 00-0218	EA	>860 To 1140 Square Inch, >3" To 4" Rise, Catch Basin Riser.....	449.52	
33 42 31 00-0219	EA	>1140 Square Inch, >3" To 4" Rise, Catch Basin Riser.....	501.54	
<b>33 42 31 00-0220</b>		<b>Cast In Place, Storm Drain Cleanout (33 42 31 00-0002)</b>		
		Note: Inside span.		
33 42 31 00-0221	EA	6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout.....	4,659.50	735.04
33 42 31 00-0222	EA	6' Deep, 4' x 5' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout.....	5,297.39	838.83
33 42 31 00-0223	EA	6' Deep, 4' x 6' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout.....	6,005.94	952.00
33 42 31 00-0224	EA	7' Deep, 4' x 7' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout.....	7,215.72	1,142.02
33 42 31 00-0225	EA	8' Deep, 4' x 8' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout.....	8,745.26	1,378.75
<b>33 42 31 00-0226</b>		<b>Precast Concrete Inlet Boxes (33 42 31 00-0002)</b>		
		Note: Inside dimensions.		
<b>33 42 31 00-0227</b>		<b>Precast Concrete Inlet Boxes (33 42 31 00-0226)</b>		
<b>33 42 31 00-0228</b>		<b>24" x 24" ID, Precast Concrete Inlet Boxes (33 42 31 00-0227)</b>		
		Note: Yard inlet.		
<b>33 42 31 00-0229</b>		<b>24" x 24" ID, Precast Concrete Inlet Boxes (33 42 31 00-0228)</b>		
33 42 31 00-0230	EA	24" Height, 24" x 24" ID, Precast Concrete Inlet Box.....	657.69	68.70
33 42 31 00-0231	EA	30" Height, 24" x 24" ID, Precast Concrete Inlet Box.....	773.85	83.41
33 42 31 00-0232	EA	36" Height, 24" x 24" ID, Precast Concrete Inlet Box.....	890.01	98.13
33 42 31 00-0233	EA	42" Height, 24" x 24" ID, Precast Concrete Inlet Box.....	1,007.40	113.47
<b>33 42 31 00-0234</b>		<b>24" x 24" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0228)</b>		
33 42 31 00-0235	EA	6" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser .....	170.13	
33 42 31 00-0236	EA	12" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser .....	271.56	
33 42 31 00-0237	EA	18" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser .....	382.82	
33 42 31 00-0238	EA	24" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser .....	494.08	
33 42 31 00-0239	EA	30" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser .....	605.33	
33 42 31 00-0240	EA	36" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser .....	716.57	
<b>33 42 31 00-0241</b>		<b>22" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0227)</b>		
<b>33 42 31 00-0242</b>		<b>22" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0241)</b>		
33 42 31 00-0243	EA	36" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	1,359.80	192.37
33 42 31 00-0244	EA	42" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	1,531.04	222.42
33 42 31 00-0245	EA	48" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	1,702.29	252.48
33 42 31 00-0246	EA	54" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	1,873.67	282.60
33 42 31 00-0247	EA	60" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	2,045.06	312.74
33 42 31 00-0248	EA	66" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	2,216.44	342.86
33 42 31 00-0249	EA	72" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	2,387.83	373.00
<b>33 42 31 00-0250</b>		<b>22" x 48" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0241)</b>		
33 42 31 00-0251	EA	6" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser .....	333.51	
33 42 31 00-0252	EA	12" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser .....	529.62	
33 42 31 00-0253	EA	18" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser .....	578.73	
33 42 31 00-0254	EA	24" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser .....	738.91	
33 42 31 00-0255	EA	30" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser .....	899.12	
33 42 31 00-0256	EA	36" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser .....	1,051.50	
33 42 31 00-0257	EA	42" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser .....	1,222.74	
33 42 31 00-0258	EA	48" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser .....	1,393.99	
33 42 31 00-0259	EA	54" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser .....	1,565.38	
33 42 31 00-0260	EA	60" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser .....	1,736.76	
33 42 31 00-0261	EA	66" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser .....	1,908.14	
33 42 31 00-0262	EA	72" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser .....	2,079.53	
<b>33 42 31 00-0263</b>		<b>30" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0227)</b>		
<b>33 42 31 00-0264</b>		<b>30" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0263)</b>		
33 42 31 00-0265	EA	36" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	1,317.08	211.60
33 42 31 00-0266	EA	42" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	1,489.28	244.66
33 42 31 00-0267	EA	48" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	1,661.48	277.73
33 42 31 00-0268	EA	54" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	1,833.83	310.87
33 42 31 00-0269	EA	60" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	2,006.19	344.01
33 42 31 00-0270	EA	66" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	2,178.54	377.16
33 42 31 00-0271	EA	72" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	2,350.90	410.29
<b>33 42 31 00-0272</b>		<b>30" x 48" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0263)</b>		
33 42 31 00-0273	EA	6" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser .....	331.26	
33 42 31 00-0274	EA	12" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser .....	520.18	
33 42 31 00-0275	EA	18" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser .....	570.22	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**
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33 42 31 00-0276	EA	24" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	727.27	
33 42 31 00-0277	EA	30" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	884.31	
33 42 31 00-0278	EA	36" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	1,040.40	
33 42 31 00-0279	EA	42" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	1,209.95	
33 42 31 00-0280	EA	48" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	1,378.55	
33 42 31 00-0281	EA	54" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	1,548.10	
33 42 31 00-0282	EA	60" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	1,716.68	
33 42 31 00-0283	EA	66" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	1,886.24	
33 42 31 00-0284	EA	72" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	2,055.78	
<b>33 42 31 00-0285</b>		<b>42" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0227)</b>		
<b>33 42 31 00-0286</b>		<b>42" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0285)</b>		
33 42 31 00-0287	EA	36" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	1,561.89	230.84
33 42 31 00-0288	EA	42" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	1,763.94	268.35
33 42 31 00-0289	EA	48" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	1,966.01	306.82
33 42 31 00-0290	EA	54" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	2,167.10	344.34
33 42 31 00-0291	EA	60" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	2,369.16	382.81
33 42 31 00-0292	EA	66" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	2,571.21	420.32
33 42 31 00-0293	EA	72" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	2,772.31	457.83
<b>33 42 31 00-0294</b>		<b>42" x 48" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0285)</b>		
33 42 31 00-0295	EA	6" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	364.16	
33 42 31 00-0296	EA	12" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	584.05	
33 42 31 00-0297	EA	18" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	635.51	
33 42 31 00-0298	EA	24" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	813.05	
33 42 31 00-0299	EA	30" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	990.57	
33 42 31 00-0300	EA	36" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	1,168.11	
33 42 31 00-0301	EA	42" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	1,358.62	
33 42 31 00-0302	EA	48" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	1,549.14	
33 42 31 00-0303	EA	54" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	1,739.66	
33 42 31 00-0304	EA	60" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	1,930.18	
33 42 31 00-0305	EA	66" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	2,120.70	
33 42 31 00-0306	EA	72" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	2,311.21	
<b>33 42 31 00-0307</b>		<b>42" x 48" ID, Precast Concrete Inlet Box Tops (33 42 31 00-0285)</b>		
33 42 31 00-0308	EA	42" x 48" ID, Precast Concrete Inlet Box Top Slab.....	888.98	144.27
<b>33 42 31 00-0309</b>		<b>48" x 54" ID, Precast Concrete Inlet Boxes (33 42 31 00-0227)</b>		
<b>33 42 31 00-0310</b>		<b>48" x 54" ID, Precast Concrete Inlet Boxes (33 42 31 00-0309)</b>		
33 42 31 00-0311	EA	36" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	2,200.36	256.49
33 42 31 00-0312	EA	42" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	2,468.52	298.65
33 42 31 00-0313	EA	48" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	2,736.68	340.81
33 42 31 00-0314	EA	54" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	3,004.53	382.81
33 42 31 00-0315	EA	60" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	3,272.38	424.81
33 42 31 00-0316	EA	66" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	3,540.23	466.82
33 42 31 00-0317	EA	72" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	3,808.08	508.82
<b>33 42 31 00-0318</b>		<b>48" x 54" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0309)</b>		
33 42 31 00-0319	EA	6" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	366.59	
33 42 31 00-0320	EA	12" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	576.08	
33 42 31 00-0321	EA	18" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	840.07	
33 42 31 00-0322	EA	24" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	1,104.06	
33 42 31 00-0323	EA	30" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	1,352.02	
33 42 31 00-0324	EA	36" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	1,616.01	
33 42 31 00-0325	EA	42" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	1,884.17	
33 42 31 00-0326	EA	48" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	2,152.33	
33 42 31 00-0327	EA	54" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	2,420.18	
33 42 31 00-0328	EA	60" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	2,688.03	
33 42 31 00-0329	EA	66" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	2,955.88	
33 42 31 00-0330	EA	72" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	3,223.73	
<b>33 42 31 00-0331</b>		<b>48" x 54" ID, Precast Concrete Inlet Box Tops (33 42 31 00-0309)</b>		
33 42 31 00-0332	EA	48" x 54" ID, Precast Concrete Inlet Box Top Slab.....	966.06	156.30
<b>33 42 31 00-0333</b>		<b>48" x 66" ID, Precast Concrete Inlet Boxes (33 42 31 00-0227)</b>		
<b>33 42 31 00-0334</b>		<b>48" x 66" ID, Precast Concrete Inlet Boxes (33 42 31 00-0333)</b>		
33 42 31 00-0335	EA	36" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	2,542.65	323.18
33 42 31 00-0336	EA	42" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	2,839.18	377.17
33 42 31 00-0337	EA	48" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	3,135.70	431.16
33 42 31 00-0338	EA	54" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	3,431.63	484.86
33 42 31 00-0339	EA	60" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	3,727.56	538.56
33 42 31 00-0340	EA	66" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	4,023.49	592.25
33 42 31 00-0341	EA	72" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	4,319.41	645.95

<b>33 42 31 00-0342</b>		<b>48" x 66" ID, Precast Concrete Inlet Box Risers</b> <small>(33 42 31 00-0333)</small>		
33 42 31 00-0343	EA	6" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser .....	403.99	
33 42 31 00-0344	EA	12" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser .....	619.45	
33 42 31 00-0345	EA	18" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser .....	915.71	
33 42 31 00-0346	EA	24" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser .....	1,211.97	
33 42 31 00-0347	EA	30" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser .....	1,481.30	
33 42 31 00-0348	EA	36" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser .....	1,777.56	
33 42 31 00-0349	EA	42" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser .....	2,074.09	
33 42 31 00-0350	EA	48" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser .....	2,370.60	
33 42 31 00-0351	EA	54" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser .....	2,666.54	
33 42 31 00-0352	EA	60" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser .....	2,962.46	
33 42 31 00-0353	EA	66" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser .....	3,258.40	
33 42 31 00-0354	EA	72" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser .....	3,554.32	
<b>33 42 31 00-0355</b>		<b>48" x 66" ID, Precast Concrete Inlet Box Tops</b> <small>(33 42 31 00-0333)</small>		
33 42 31 00-0356	EA	48" x 66" ID, Precast Concrete Inlet Box Top Slab .....	1,074.32	175.05
<b>33 42 31 00-0357</b>		<b>42" x 102" ID, Precast Concrete Inlet Boxes</b> <small>(33 42 31 00-0227)</small>		
<b>33 42 31 00-0358</b>		<b>42" x 102" ID, Precast Concrete Inlet Boxes</b> <small>(33 42 31 00-0357)</small>		
33 42 31 00-0359	EA	36" Height, 42" x 102" ID, Precast Concrete Inlet Box .....	3,191.39	435.71
33 42 31 00-0360	EA	42" Height, 42" x 102" ID, Precast Concrete Inlet Box .....	3,567.31	507.85
33 42 31 00-0361	EA	48" Height, 42" x 102" ID, Precast Concrete Inlet Box .....	3,943.25	579.02
33 42 31 00-0362	EA	54" Height, 42" x 102" ID, Precast Concrete Inlet Box .....	4,318.23	651.15
33 42 31 00-0363	EA	60" Height, 42" x 102" ID, Precast Concrete Inlet Box .....	4,694.16	722.34
33 42 31 00-0364	EA	66" Height, 42" x 102" ID, Precast Concrete Inlet Box .....	5,069.13	793.51
33 42 31 00-0365	EA	72" Height, 42" x 102" ID, Precast Concrete Inlet Box .....	5,446.03	865.64
<b>33 42 31 00-0366</b>		<b>42" x 102" ID, Precast Concrete Inlet Box Risers</b> <small>(33 42 31 00-0357)</small>		
33 42 31 00-0367	EA	6" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser .....	543.29	
33 42 31 00-0368	EA	12" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser .....	819.19	
33 42 31 00-0369	EA	18" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser .....	1,188.40	
33 42 31 00-0370	EA	24" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser .....	1,557.60	
33 42 31 00-0371	EA	30" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser .....	1,898.91	
33 42 31 00-0372	EA	36" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser .....	2,268.11	
33 42 31 00-0373	EA	42" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser .....	2,644.04	
33 42 31 00-0374	EA	48" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser .....	3,019.98	
33 42 31 00-0375	EA	54" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser .....	3,394.95	
33 42 31 00-0376	EA	60" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser .....	3,770.88	
33 42 31 00-0377	EA	66" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser .....	4,145.85	
33 42 31 00-0378	EA	72" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser .....	4,521.79	
<b>33 42 31 00-0379</b>		<b>42" x 102" ID, Precast Concrete Inlet Box Tops</b> <small>(33 42 31 00-0357)</small>		
33 42 31 00-0380	EA	42" x 102" ID, Precast Concrete Inlet Box Top Slab .....	1,455.00	192.37
<b>33 42 31 00-0381</b>		<b>Frames And Grates For Inlets</b> <small>(33 42 31 00-0226)</small>		
<b>33 42 31 00-0382</b>		<b>Inlet Frames And Grates</b> <small>(33 42 31 00-0381)</small>		
33 42 31 00-0383	EA	24" x 24", Heavy Duty Inlet Grate .....	340.62	44.80
		Note: For type A, B, D, or E inlets.		
33 42 31 00-0384	EA	47-3/4" x 21-3/4", Bicycle Safe Inlet Grate (US Foundry 6352 GRT) .....	440.88	44.80
		Note: For type A, B, D, or E inlets.		
33 42 31 00-0385	EA	47-3/4" x 21-3/4", Phase II Stormwater Compliant Inlet Grate (US Foundry 6352 GRT) .....	440.88	44.80
		Note: Includes legend: Dump No Waste "Drains To Waterways".		
33 42 31 00-0386	EA	Phase II Storm Water Compliant Grate, Echo Grate, Type "B" And "D" Inlet Covers (US Foundry 6352 GRT) .....	440.88	44.80
		Note: Legend: Dump No Waste "Drains to Waterways"		
33 42 31 00-0387	EA	Parallel Bar Grates For Type A, B, D And E Inlets (Campbell Foundry 2617-0362) .....	482.70	44.80
33 42 31 00-0388	EA	Type B Inlet Dirt Plate (US Foundry 5217 BK) .....	363.20	89.60
33 42 31 00-0389	EA	Back Plate For Type B Inlets (Campbell Foundry 2548-1942) .....	421.75	89.60
33 42 31 00-0390	EA	Phase II Echo-Safe Bar For Series 2500/2600 Curb Inlets (Campbell Foundry 25419EC4) .....	525.10	112.00
		Note: Includes cam action clamping system, stainless steel badge labeled to center of plate, steel plate welded to bar with legend: Dump No Waste "Drains to Waterways".		
33 42 31 00-0391	EA	1-1/2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT) .....	449.82	112.00
33 42 31 00-0392	EA	2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT) .....	458.19	112.00
33 42 31 00-0393	EA	1-1/2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT) .....	474.92	112.00
33 42 31 00-0394	EA	3" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT) .....	491.64	112.00
33 42 31 00-0395	EA	2" Extension Frame For Type A Inlet (General Foundries 6352 EXT) .....	474.92	112.00
33 42 31 00-0396	EA	2-1/2" Extension Frame For Type A Inlet (General Foundries 6352 EXT) .....	491.64	112.00
33 42 31 00-0397	EA	3" Extension Frame For Type A Inlet (General Foundries 6352 EXT) .....	508.37	112.00
33 42 31 00-0398	EA	2" Extension Frame For Type E Inlet (General Foundries 6352 EXT) .....	725.83	112.00
33 42 31 00-0399	EA	2-1/2" Extension Frame For Type E Inlet (General Foundries 6352 EXT) .....	759.29	112.00
33 42 31 00-0400	EA	3" Extension Frame For Type E Inlet (General Foundries 6352 EXT) .....	792.74	112.00
33 42 31 00-0401	EA	2", 3 Sided Extension Frame For Type A, B, D, And E Inlet (Campbell Foundry 2701) .....	541.83	112.00
33 42 31 00-0402	EA	6" Type N Curb Back Piece For Type B And D Inlets (US Foundry 5218N6) .....	491.64	112.00
33 42 31 00-0403	EA	8" Type N Curb Back Piece For Type B And D Inlets (US Foundry 5218N8) .....	491.64	112.00
33 42 31 00-0404	EA	6" Radius Curb Back Piece For Type B And D Inlets (Campbell Foundry BSCB-6) .....	993.40	112.00
33 42 31 00-0405	EA	8" Radius Curb Back Piece For Type B And D Inlets (Campbell Foundry BSCB-8) .....	993.40	112.00
33 42 31 00-0406	EA	Safety Bars For Type B And D Inlets (General Foundries 5218 SB) .....	413.68	123.20
33 42 31 00-0407	EA	6", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 648) .....	572.59	123.20
		Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.		

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CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 42 31 00-0408	EA	8", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 848) ..... Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.	572.59	123.20
33 42 31 00-0409	EA	10", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 1048) ..... Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.	631.14	123.20
33 42 31 00-0410	EA	Type B Inlet Frame (US Foundry 5216 FRM) .....	723.14	123.20
33 42 31 00-0411	EA	Type D Inlet Frame (US Foundry 2999 FRM) .....	622.77	123.20
33 42 31 00-0412	EA	Type B Inlet Frame (Campbell Foundry 2618-0202) .....	882.05	123.20
33 42 31 00-0413	EA	Type D Inlet Frame (Campbell Foundry 2617-0002) .....	781.69	123.20
33 42 31 00-0414	EA	Type A Inlet, Single Frame And Grate (US Foundry 52340) .....	1,010.78	179.20
33 42 31 00-0415	EA	Type E Inlet, Single Frame And Grate (US Foundry 52342) .....	1,612.98	179.20
33 42 31 00-0416	EA	Type A Inlet, Single Frame And Grate (General Foundries 52340) .....	985.69	179.20
33 42 31 00-0417	EA	Type E Inlet, Double Frame And Grate (General Foundries 52342) .....	1,534.36	179.20
33 42 31 00-0418	EA	Oversized Type A Inlet, Single Frame And Reticuline Grate (US Foundry 82340) .....	1,649.99	268.80
33 42 31 00-0419	EA	Heavy Duty Rectangular Frame And Grate (Campbell Foundry 3084) .....	1,700.92	358.40
33 42 31 00-0420	EA	6" Curb Piece, Type B Inlet Frame And Grate (US Foundry 52186) .....	1,862.65	358.40
33 42 31 00-0421	EA	8" Curb Piece, Type B Inlet Frame And Grate (US Foundry 52198) .....	1,862.65	358.40
33 42 31 00-0422	EA	6" Curb Piece, Type D Inlet Frame And Grate (US Foundry 72266) .....	1,653.55	358.40
33 42 31 00-0423	EA	8" Curb Piece, Type D Inlet Frame And Grate (US Foundry 72268) .....	1,653.55	358.40
33 42 31 00-0424	EA	Type B And C Inlet Frame And Grate With Type N Curb And Back Plate (Campbell Foundry GFI 52198) .....	1,929.56	358.40
<b>33 42 31 00-0425 Catch Basin Frames And Covers (33 42 31 00-0001)</b>				
<b>33 42 31 00-0426 Cast Iron Frames And Covers (33 42 31 00-0425)</b>				
33 42 31 00-0427	EA	18" Diameter Cast Iron Catch Basin Frame And Cover .....	453.12	98.13
33 42 31 00-0428	EA	22" Diameter Cast Iron Catch Basin Frame And Cover .....	560.89	110.89
33 42 31 00-0429	EA	24" Diameter Cast Iron Catch Basin Frame And Cover .....	624.42	114.81
33 42 31 00-0430	EA	26" Diameter Cast Iron Catch Basin Frame And Cover .....	699.55	133.47
33 42 31 00-0431	EA	28" Diameter Cast Iron Catch Basin Frame And Cover .....	806.44	152.11
33 42 31 00-0432	EA	32" Diameter Cast Iron Catch Basin Frame And Cover .....	1,236.14	158.98
33 42 31 00-0433	EA	16" x 16" Cast Iron Catch Basin Frame And Cover .....	689.04	120.71
33 42 31 00-0434	EA	18" x 24" Cast Iron Catch Basin Frame And Cover .....	882.75	139.35
33 42 31 00-0435	EA	20" x 27" Cast Iron Catch Basin Frame And Cover .....	987.99	145.24
33 42 31 00-0436	EA	23" x 23" Cast Iron Catch Basin Frame And Cover .....	940.25	145.24
33 42 31 00-0437	EA	24" x 24" Cast Iron Catch Basin Frame And Cover .....	972.80	151.13
33 42 31 00-0438	EA	26" x 26" Cast Iron Catch Basin Frame And Cover .....	1,040.35	157.02
33 42 31 00-0439	EA	24" x 36" Cast Iron Catch Basin Frame And Cover .....	1,234.12	168.79
<b>33 42 31 00-0440 Stainless Steel Frame And Cover (33 42 31 00-0425)</b>				
33 42 31 00-0441	EA	24" x 24" Stainless Steel Catch Basin Cover With Filter And Access Cover .....	7,304.45	168.79
Note: Swalegard Prefilter				
<b>33 42 31 00-0442 Area Yard Drain (33 42 31 00-0001)</b>				
<b>33 42 31 00-0443 Ductile Iron Grates (33 42 31 00-0442)</b>				
Note: Not for traffic loading.				
33 42 31 00-0444	EA	8" Diameter Ductile Iron Grate Adapter Necks Down To 4" and 6" Diameter Pipe .....	158.25	34.01
33 42 31 00-0445	EA	10" Diameter Ductile Iron Grate Adapters To 4", 6", or 8" Diameter Pipe .....	196.00	36.28
33 42 31 00-0446	EA	12" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe .....	470.40	45.35
33 42 31 00-0447	EA	15" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe .....	561.99	54.42
<b>33 42 31 00-0448 Concrete Drainage Inlet Structures (CALTRANS) (33 42 31 00-0001)</b>				
<b>33 42 31 00-0449 Type OS Concrete Drainage Inlet Structure (33 42 31 00-0448)</b>				
33 42 31 00-0450	EA	3' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,591.40	
33 42 31 00-0451	EA	4' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,012.12	
33 42 31 00-0452	EA	5' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,403.32	
33 42 31 00-0453	EA	6' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,764.97	
33 42 31 00-0454	EA	7' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,097.12	
33 42 31 00-0455	EA	8' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,399.75	
33 42 31 00-0456	EA	8' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness .....	5,986.81	
33 42 31 00-0457	EA	10' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness .....	6,981.31	
33 42 31 00-0458	EA	12' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness .....	7,900.14	
33 42 31 00-0459	EA	14' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness .....	8,745.22	
33 42 31 00-0460	EA	16' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness .....	9,561.15	
33 42 31 00-0461	EA	18' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness .....	10,312.79	
33 42 31 00-0462	EA	20' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness .....	11,000.15	
<b>33 42 31 00-0463 Type OL-7 Concrete Drainage Inlet Structure (33 42 31 00-0448)</b>				
33 42 31 00-0464	EA	3' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,528.72	
33 42 31 00-0465	EA	4' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,922.45	
33 42 31 00-0466	EA	5' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,286.63	
33 42 31 00-0467	EA	6' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,621.31	
33 42 31 00-0468	EA	7' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,925.50	
33 42 31 00-0469	EA	8' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	5,201.14	
33 42 31 00-0470	EA	8' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	6,741.05	
33 42 31 00-0471	EA	10' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	7,712.53	
33 42 31 00-0472	EA	12' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	8,608.30	
33 42 31 00-0473	EA	14' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	9,429.38	
33 42 31 00-0474	EA	16' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	10,225.50	
33 42 31 00-0475	EA	18' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	10,957.35	
33 42 31 00-0476	EA	20' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	11,624.90	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**33 42 31 00-0477 Type OL-10 Concrete Drainage Inlet Structure (33 42 31 00-0448)**

33 42 31 00-0478	EA	3'	Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,392.52	
33 42 31 00-0479	EA	4'	Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,761.58	
33 42 31 00-0480	EA	5'	Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,100.14	
33 42 31 00-0481	EA	6'	Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,410.15	
33 42 31 00-0482	EA	7'	Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,689.68	
33 42 31 00-0483	EA	8'	Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,939.66	
33 42 31 00-0484	EA	8'	Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,495.30	
33 42 31 00-0485	EA	10'	Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,442.75	
33 42 31 00-0486	EA	12'	Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,316.48	
33 42 31 00-0487	EA	14'	Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,114.51	
33 42 31 00-0488	EA	16'	Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,889.85	
33 42 31 00-0489	EA	18'	Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,601.88	
33 42 31 00-0490	EA	20'	Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,248.66	

**33 42 31 00-0491 Type OL-14 Concrete Drainage Inlet Structure (33 42 31 00-0448)**

33 42 31 00-0492	EA	3'	Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,623.90	
33 42 31 00-0493	EA	4'	Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,956.65	
33 42 31 00-0494	EA	5'	Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,259.89	
33 42 31 00-0495	EA	6'	Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,533.60	
33 42 31 00-0496	EA	7'	Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,777.79	
33 42 31 00-0497	EA	8'	Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,992.46	
33 42 31 00-0498	EA	8'	Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,563.80	
33 42 31 00-0499	EA	10'	Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,478.55	
33 42 31 00-0500	EA	12'	Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,318.58	
33 42 31 00-0501	EA	14'	Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,083.89	
33 42 31 00-0502	EA	16'	Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,832.07	
33 42 31 00-0503	EA	18'	Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,515.00	
33 42 31 00-0504	EA	20'	Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,133.63	

**33 42 31 00-0505 Type OL-21 Concrete Drainage Inlet Structure (33 42 31 00-0448)**

33 42 31 00-0506	EA	3'	Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	8,123.41	
33 42 31 00-0507	EA	4'	Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	8,383.86	
33 42 31 00-0508	EA	5'	Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	8,614.79	
33 42 31 00-0509	EA	6'	Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	8,816.20	
33 42 31 00-0510	EA	7'	Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	8,987.12	
33 42 31 00-0511	EA	8'	Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	9,129.49	
33 42 31 00-0512	EA	8'	Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,653.69	
33 42 31 00-0513	EA	10'	Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,504.00	
33 42 31 00-0514	EA	12'	Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,279.61	
33 42 31 00-0515	EA	14'	Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,980.52	
33 42 31 00-0516	EA	16'	Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,673.24	
33 42 31 00-0517	EA	18'	Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,300.69	
33 42 31 00-0518	EA	20'	Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,863.87	

**33 42 31 00-0519 Type GOL-7 Concrete Drainage Inlet Structure (33 42 31 00-0448)**

33 42 31 00-0520	EA	3'	Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,282.25	
33 42 31 00-0521	EA	4'	Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,716.97	
33 42 31 00-0522	EA	5'	Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,117.84	
33 42 31 00-0523	EA	6'	Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,484.88	
33 42 31 00-0524	EA	7'	Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,819.05	
33 42 31 00-0525	EA	8'	Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,120.37	
33 42 31 00-0526	EA	8'	Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,793.85	
33 42 31 00-0527	EA	10'	Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,875.91	
33 42 31 00-0528	EA	12'	Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,873.99	
33 42 31 00-0529	EA	14'	Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,787.11	
33 42 31 00-0530	EA	16'	Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,674.01	
33 42 31 00-0531	EA	18'	Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,488.63	
33 42 31 00-0532	EA	20'	Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,229.98	

**33 42 31 00-0533 Type GOL-10 Concrete Drainage Inlet Structure (33 42 31 00-0448)**

33 42 31 00-0534	EA	3'	Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,219.57	
33 42 31 00-0535	EA	4'	Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,626.31	
33 42 31 00-0536	EA	5'	Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,000.20	
33 42 31 00-0537	EA	6'	Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,341.23	
33 42 31 00-0538	EA	7'	Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,648.41	
33 42 31 00-0539	EA	8'	Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,921.75	
33 42 31 00-0540	EA	8'	Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,595.23	
33 42 31 00-0541	EA	10'	Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,652.26	
33 42 31 00-0542	EA	12'	Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,625.32	
33 42 31 00-0543	EA	14'	Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,514.37	
33 42 31 00-0544	EA	16'	Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,379.70	
33 42 31 00-0545	EA	18'	Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,172.72	
33 42 31 00-0546	EA	20'	Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,893.47	

**33 42 31 00-0547 Type G-1 Concrete Drainage Inlet Structure (33 42 31 00-0448)**

33 42 31 00-0548	EA	3'	Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,745.98	
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**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

33 42 31 00-0549	EA	4'	Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,088.34
33 42 31 00-0550	EA	5'	Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,406.06
33 42 31 00-0551	EA	6'	Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,701.12
33 42 31 00-0552	EA	7'	Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,973.50
33 42 31 00-0553	EA	8'	Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,221.25

**33 42 31 00-0554 Type G-2 Concrete Drainage Inlet Structure (33 42 31 00-0448)**

33 42 31 00-0555	EA	3'	Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,407.62
33 42 31 00-0556	EA	4'	Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,792.65
33 42 31 00-0557	EA	5'	Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,150.70
33 42 31 00-0558	EA	6'	Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,481.75
33 42 31 00-0559	EA	7'	Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,785.82
33 42 31 00-0560	EA	8'	Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,061.92
33 42 31 00-0561	EA	8'	Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,499.69
33 42 31 00-0562	EA	10'	Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,417.29
33 42 31 00-0563	EA	12'	Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,266.18
33 42 31 00-0564	EA	14'	Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,046.37
33 42 31 00-0565	EA	16'	Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,799.69
33 42 31 00-0566	EA	18'	Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,493.93
33 42 31 00-0567	EA	20'	Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,128.08

**33 42 31 00-0568 Type G-3 Concrete Drainage Inlet Structure (33 42 31 00-0448)**

33 42 31 00-0569	EA	3'	Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,893.02
33 42 31 00-0570	EA	4'	Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,230.71
33 42 31 00-0571	EA	5'	Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,544.76
33 42 31 00-0572	EA	6'	Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,836.13
33 42 31 00-0573	EA	7'	Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,102.88
33 42 31 00-0574	EA	8'	Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,346.95

**33 42 31 00-0575 Type G-4\_24 Concrete Drainage Inlet Structure (33 42 31 00-0448)**

33 42 31 00-0576	EA	3'	Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,334.10
33 42 31 00-0577	EA	4'	Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,721.47
33 42 31 00-0578	EA	5'	Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,081.84
33 42 31 00-0579	EA	6'	Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,414.25
33 42 31 00-0580	EA	7'	Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,720.64
33 42 31 00-0581	EA	8'	Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,999.06
33 42 31 00-0582	EA	8'	Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,468.26
33 42 31 00-0583	EA	10'	Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,387.51
33 42 31 00-0584	EA	12'	Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,237.08
33 42 31 00-0585	EA	14'	Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,017.95
33 42 31 00-0586	EA	16'	Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,771.80
33 42 31 00-0587	EA	18'	Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,466.58
33 42 31 00-0588	EA	20'	Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,102.26

**33 42 31 00-0589 Type G-4\_18 Concrete Drainage Inlet Structure (33 42 31 00-0448)**

33 42 31 00-0590	EA	3'	Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,407.62
33 42 31 00-0591	EA	4'	Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,792.65
33 42 31 00-0592	EA	5'	Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,150.70
33 42 31 00-0593	EA	6'	Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,481.75
33 42 31 00-0594	EA	7'	Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,785.82
33 42 31 00-0595	EA	8'	Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,061.92
33 42 31 00-0596	EA	8'	Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,499.69
33 42 31 00-0597	EA	10'	Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,417.29
33 42 31 00-0598	EA	12'	Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,266.18
33 42 31 00-0599	EA	14'	Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,046.37
33 42 31 00-0600	EA	16'	Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,799.69
33 42 31 00-0601	EA	18'	Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,493.93
33 42 31 00-0602	EA	20'	Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,128.08

**33 42 31 00-0603 Type G-5 Concrete Drainage Inlet Structure (33 42 31 00-0448)**

33 42 31 00-0604	EA	3'	Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,874.63
33 42 31 00-0605	EA	4'	Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,212.67
33 42 31 00-0606	EA	5'	Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,528.03
33 42 31 00-0607	EA	6'	Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,818.77
33 42 31 00-0608	EA	7'	Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,086.82
33 42 31 00-0609	EA	8'	Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,331.25

**33 42 31 00-0610 Type G-6 Concrete Drainage Inlet Structure (33 42 31 00-0448)**

33 42 31 00-0611	EA	3'	Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,911.39
33 42 31 00-0612	EA	4'	Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,248.75
33 42 31 00-0613	EA	5'	Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,562.46
33 42 31 00-0614	EA	6'	Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,852.52
33 42 31 00-0615	EA	7'	Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,118.93
33 42 31 00-0616	EA	8'	Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,362.67

**33 42 31 00-0617 Type GT1 Concrete Drainage Inlet Structure (33 42 31 00-0448)**

33 42 31 00-0618	EA	3'	Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,197.91
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 31 00-0619	EA	4'	Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,725.94	
33 42 31 00-0620	EA	5'	Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,254.15	
33 42 31 00-0621	EA	6'	Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,671.46	
33 42 31 00-0622	EA	7'	Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	5,087.97	
33 42 31 00-0623	EA	8'	Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	5,468.26	

**33 42 31 00-0624 Type GT2 Concrete Drainage Inlet Structure** (33 42 31 00-0448)

33 42 31 00-0625	EA	3'	Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,877.92	
33 42 31 00-0626	EA	4'	Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,452.88	
33 42 31 00-0627	EA	5'	Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,986.22	
33 42 31 00-0628	EA	6'	Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	5,478.91	
33 42 31 00-0629	EA	7'	Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	5,929.96	
33 42 31 00-0630	EA	8'	Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	6,340.36	
33 42 31 00-0631	EA	8'	Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	8,485.23	
33 42 31 00-0632	EA	10'	Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	9,838.10	
33 42 31 00-0633	EA	12'	Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	11,088.15	
33 42 31 00-0634	EA	14'	Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	12,236.37	
33 42 31 00-0635	EA	16'	Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	13,346.74	
33 42 31 00-0636	EA	18'	Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	14,368.57	
33 42 31 00-0637	EA	20'	Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	15,301.88	

**33 42 31 00-0638 Type GT3 Concrete Drainage Inlet Structure** (33 42 31 00-0448)

33 42 31 00-0639	EA	3'	Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,179.52	
33 42 31 00-0640	EA	4'	Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,707.90	
33 42 31 00-0641	EA	5'	Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,200.08	
33 42 31 00-0642	EA	6'	Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,655.08	
33 42 31 00-0643	EA	7'	Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	5,071.91	
33 42 31 00-0644	EA	8'	Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	5,452.55	

**33 42 31 00-0645 Type GT4 Concrete Drainage Inlet Structure** (33 42 31 00-0448)

33 42 31 00-0646	EA	3'	Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,006.58	
33 42 31 00-0647	EA	4'	Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,577.22	
33 42 31 00-0648	EA	5'	Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	5,107.23	
33 42 31 00-0649	EA	6'	Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	5,595.58	
33 42 31 00-0650	EA	7'	Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	6,043.30	
33 42 31 00-0651	EA	8'	Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	6,450.35	
33 42 31 00-0652	EA	8'	Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	8,500.96	
33 42 31 00-0653	EA	10'	Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	9,853.48	
33 42 31 00-0654	EA	12'	Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	11,103.18	
33 42 31 00-0655	EA	14'	Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	12,250.10	
33 42 31 00-0656	EA	16'	Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	13,360.18	
33 42 31 00-0657	EA	18'	Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	14,381.75	
33 42 31 00-0658	EA	20'	Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	15,314.79	

**33 42 31 00-0659 Type GO Concrete Drainage Inlet Structure** (33 42 31 00-0448)

33 42 31 00-0660	EA	3'	Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,278.97	
33 42 31 00-0661	EA	4'	Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,650.28	
33 42 31 00-0662	EA	5'	Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,995.28	
33 42 31 00-0663	EA	6'	Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,313.97	
33 42 31 00-0664	EA	7'	Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,606.33	
33 42 31 00-0665	EA	8'	Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,873.35	
33 42 31 00-0666	EA	8'	Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness .....	5,326.84	
33 42 31 00-0667	EA	10'	Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness .....	6,217.06	
33 42 31 00-0668	EA	12'	Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness .....	7,039.07	
33 42 31 00-0669	EA	14'	Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness .....	7,794.86	
33 42 31 00-0670	EA	16'	Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness .....	8,525.88	
33 42 31 00-0671	EA	18'	Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness .....	9,198.00	
33 42 31 00-0672	EA	20'	Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness .....	9,813.23	

**33 42 31 00-0673 Type GDO Concrete Drainage Inlet Structure** (33 42 31 00-0448)

33 42 31 00-0674	EA	3'	Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,977.36	
33 42 31 00-0675	EA	4'	Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,465.48	
33 42 31 00-0676	EA	5'	Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,919.15	
33 42 31 00-0677	EA	6'	Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,339.34	
33 42 31 00-0678	EA	7'	Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,724.12	
33 42 31 00-0679	EA	8'	Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness .....	5,075.42	
33 42 31 00-0680	EA	8'	Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness .....	6,851.05	
33 42 31 00-0681	EA	10'	Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness .....	7,998.46	
33 42 31 00-0682	EA	12'	Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness .....	9,059.30	
33 42 31 00-0683	EA	14'	Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness .....	10,034.54	
33 42 31 00-0684	EA	16'	Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness .....	10,976.59	
33 42 31 00-0685	EA	18'	Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness .....	11,844.08	
33 42 31 00-0686	EA	20'	Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness .....	12,637.02	

**33 42 33 Stormwater Curbside Drains and Inlets** (33 42)

33 42 33 00-0001	Curb Inlet Frames And Covers	<small>(33 42 33)</small>
33 42 33 00-0002	Cast Iron Curb Inlet Frames And Covers	<small>(33 42 33 00-0001)</small>

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

33 42 33 00-0003	EA	20" x 22" Cast Iron Curb Inlet Frame And Cover .....	843.39	114.81
33 42 33 00-0004	EA	22" x 24" Cast Iron Curb Inlet Frame And Cover .....	904.19	133.47
33 42 33 00-0005	EA	24" x 24" Cast Iron Curb Inlet Frame And Cover .....	935.47	133.47
33 42 33 00-0006	EA	27" x 27" Cast Iron Curb Inlet Frame And Cover .....	1,024.99	157.02
33 42 33 00-0007	EA	36" x 24" Cast Iron Curb Inlet Frame And Cover .....	1,020.48	167.81

**33 42 36 Stormwater Trench Drains (33 42)**

33 42 36 00-0001		<b>Modular Trench Drains (33 42 36)</b> See CSI section 03 31 13 00-0017 for concrete.		
33 42 36 00-0002		<b>Modular Trench Drains (33 42 36 00-0001)</b> Note: Excludes grates. See CSI section 33 42 36 00-0118 for grates.		
33 42 36 00-0003		<b>4" Wide, Modular Trench Drains (33 42 36 00-0002)</b>		
33 42 36 00-0004		<b>4 Wide, High Density Polyethylene, Shallow Modular Trench Drains (33 42 36 00-0003)</b>		
33 42 36 00-0005		<b>4 Wide, High Density Polyethylene, Shallow Modular Trench Drains (33 42 36 00-0004)</b>		
33 42 36 00-0006	LF	4" Wide, High Density Polyethylene, Shallow Modular Trench Drain (Zurn Z844-C) .....	58.38	15.71
		<i>For Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add</i>	94.22	
		<i>For Galvanized Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add</i>	188.44	
		<i>For Stainless Steel Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add</i>	301.50	
		<i>For Type 304 Stainless Steel Top Veneer Frame, Add</i>	75.38	
		<i>For Aluminum Veneer Bronze Anodized Frame, Add</i>	37.69	
33 42 36 00-0007		<b>Outlet Adapters For 4 Wide, High Density Polyethylene, Shallow Modular Trench Drains (33 42 36 00-0004)</b>		
33 42 36 00-0008	EA	Closed End Cap For 4" Wide, High Density Polyethylene, Shallow Modular Trench Drain .....	43.96	
33 42 36 00-0009	EA	No-Hub End Outlet For 4" Wide, High Density Polyethylene, Shallow Modular Trench Drain .....	53.78	
33 42 36 00-0010	EA	No-Hub Bottom Outlet For 4" Wide, High Density Polyethylene, Shallow Modular Trench Drain .....	53.78	
33 42 36 00-0011		<b>6" Wide, Modular Trench Drains (33 42 36 00-0002)</b>		
33 42 36 00-0012		<b>6" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0011)</b>		
33 42 36 00-0013		<b>6" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0012)</b>		
33 42 36 00-0014	LF	6" Wide, High Density Polyethylene, Modular Trench Drain .....	192.55	15.71
		<i>For Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add</i>	94.22	
		<i>For Galvanized Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add</i>	188.44	
		<i>For Stainless Steel Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add</i>	301.50	
		<i>For Type 304 Stainless Steel Top Veneer Frame, Add</i>	75.38	
		<i>For Aluminum Veneer Bronze Anodized Frame, Add</i>	37.69	
33 42 36 00-0015		<b>Outlet Adapters For 6" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0012)</b>		
33 42 36 00-0016	EA	Closed End Cap For 6" Wide, High Density Polyethylene, Modular Trench Drains .....	87.47	
33 42 36 00-0017	EA	No-Hub End Outlet For 6" Wide, High Density Polyethylene, Modular Trench Drains .....	97.29	
33 42 36 00-0018	EA	No-Hub Bottom Outlet For 6" Wide, High Density Polyethylene, Modular Trench Drains .....	97.29	
33 42 36 00-0019		<b>Other Fittings For 6" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0012)</b>		
33 42 36 00-0020	EA	Bottom Dome Strainer For 6" Wide, High Density Polyethylene, Modular Trench Drains .....	169.24	
33 42 36 00-0021	EA	Joint Connector For 6" Wide, High Density Polyethylene, Modular Trench Drains .....	169.24	
33 42 36 00-0022	EA	90 Degree, 45 Degree, Tee Or Side Outlet Charge For 6" Wide, High Density Polyethylene, Modular Trench Drains .....	802.83	
33 42 36 00-0023	EA	Cross For 6" Wide, High Density Polyethylene, Modular Trench Drains .....	1,556.59	
33 42 36 00-0024	EA	Cutting Charge For 6" Wide, High Density Polyethylene, Modular Trench Drains .....	188.44	
33 42 36 00-0025		<b>6" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0011)</b>		
33 42 36 00-0026		<b>6" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0025)</b>		
33 42 36 00-0027	LF	6" Wide, Fiber Reinforced Polyester, Modular Trench Drain .....	281.12	15.71
		<i>For Black Acid Resistant Coated Frame, Add</i>	71.61	
		<i>For Galvanized Top Frame Assembly, Add</i>	71.61	
		<i>For Type 304 Stainless Steel Top Frame Assembly, Add</i>	263.82	
33 42 36 00-0028		<b>Outlet Adapters For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0025)</b>		
33 42 36 00-0029	EA	Closed End Cap For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....	95.01	
33 42 36 00-0030	EA	No-Hub End Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....	104.83	
33 42 36 00-0031	EA	No-Hub Bottom Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....	104.83	
33 42 36 00-0032		<b>Other Fittings For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0025)</b>		
33 42 36 00-0033	EA	Bottom Dome Strainer For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....	169.24	
33 42 36 00-0034	EA	Joint Connector For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....	169.24	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 36 00-0035	EA		90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....	802.83	
33 42 36 00-0036	EA		Cross For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....	1,556.59	
33 42 36 00-0037	EA		Cutting Charge For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....	188.44	
<b>33 42 36 00-0038</b>			<b>6" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0011)</b>		
<b>33 42 36 00-0039</b>			<b>6" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0038)</b>		
33 42 36 00-0040	LF		6" Wide, Vinylester Fiberglass, Modular Trench Drain .....	364.03	15.71
			<i>For Black Acid Resistant Coated Frame, Add</i>	71.61	
			<i>For Galvanized Top Frame Assembly, Add</i>	71.61	
			<i>For Type 304 Stainless Steel Top Frame Assembly, Add</i>	263.82	
<b>33 42 36 00-0041</b>			<b>Outlet Adapters For 6" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0038)</b>		
33 42 36 00-0042	EA		Closed End Cap For 6" Wide, Vinylester Fiberglass, Modular Trench Drains .....	155.31	
33 42 36 00-0043	EA		No-Hub End Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains .....	165.13	
33 42 36 00-0044	EA		No-Hub Bottom Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains .....	165.13	
<b>33 42 36 00-0045</b>			<b>Other Fittings For 6" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0038)</b>		
33 42 36 00-0046	EA		Bottom Dome Strainer For 6" Wide, Vinylester Fiberglass, Modular Trench Drains .....	169.24	
33 42 36 00-0047	EA		Joint Connector For 6" Wide, Vinylester Fiberglass, Modular Trench Drains .....	169.24	
33 42 36 00-0048	EA		90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains .....	802.83	
33 42 36 00-0049	EA		Cross For 6" Wide, Vinylester Fiberglass, Modular Trench Drains .....	1,556.59	
33 42 36 00-0050	EA		Cutting Charge For 6" Wide, Vinylester Fiberglass, Modular Trench Drains .....	188.44	
<b>33 42 36 00-0051</b>			<b>6" Wide, Polymer Concrete, Modular Trench Drains (33 42 36 00-0011)</b>		
<b>33 42 36 00-0052</b>			<b>6" Wide, Polymer Concrete, Modular Trench Drains (33 42 36 00-0051)</b>		
33 42 36 00-0053	LF		6" Wide, Polymer Concrete, Modular Trench Drain .....	389.67	
<b>33 42 36 00-0054</b>			<b>Outlet Adapters For 6" Wide, Polymer Concrete, Modular Trench Drains (33 42 36 00-0051)</b>		
33 42 36 00-0055	EA		Closed End Cap For 6" Wide, Polymer Concrete, Modular Trench Drain .....	155.02	
33 42 36 00-0056	EA		No-Hub End Outlet For 6" Wide, Polymer Concrete, Modular Trench Drain .....	189.27	
33 42 36 00-0057	EA		No-Hub Bottom Outlet For 6" Wide, Polymer Concrete, Modular Trench Drain .....	61.41	
<b>33 42 36 00-0058</b>			<b>12" Wide, Modular Trench Drains (33 42 36 00-0002)</b>		
<b>33 42 36 00-0059</b>			<b>12" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0058)</b>		
<b>33 42 36 00-0060</b>			<b>12" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0059)</b>		
33 42 36 00-0061	LF		12" Wide, High Density Polyethylene, Modular Trench Drain .....	363.52	21.59
			<i>For Acid Resistant Coated Top Frame, Add</i>	97.99	
			<i>For Galvanized Welded Frame Assembly, Add</i>	102.70	
			<i>For Type 304 Stainless Steel Top Frame, Add</i>	587.93	
<b>33 42 36 00-0062</b>			<b>Outlet Adapters For 12" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0059)</b>		
33 42 36 00-0063	EA		End Cap For 12" Wide, High Density Polyethylene, Modular Trench Drains .....	180.69	
33 42 36 00-0064	EA		No-Hub End Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains .....	193.77	
33 42 36 00-0065	EA		No-Hub Bottom Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains .....	193.77	
<b>33 42 36 00-0066</b>			<b>Other Fittings For 12" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0059)</b>		
33 42 36 00-0067	EA		Bottom Dome Strainer For 12" Wide, High Density Polyethylene, Modular Trench Drains .....	302.79	
33 42 36 00-0068	EA		Joint Connector For 12" Wide, High Density Polyethylene, Modular Trench Drains .....	397.01	
33 42 36 00-0069	EA		90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains .....	1,583.01	
33 42 36 00-0070	EA		Cross For 12" Wide, High Density Polyethylene, Modular Trench Drains .....	3,090.53	
33 42 36 00-0071	EA		Cutting Charges For 12" Wide, High Density Polyethylene, Modular Trench Drains .....	376.88	
<b>33 42 36 00-0072</b>			<b>12" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0058)</b>		
<b>33 42 36 00-0073</b>			<b>12" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0072)</b>		
33 42 36 00-0074	LF		12" Wide, Fiber Reinforced Polyester, Modular Trench Drain .....	457.74	21.59
			<i>For Acid Resistant Coated Top Frame, Add</i>	97.99	
			<i>For Galvanized Welded Frame Assembly, Add</i>	102.70	
			<i>For Type 304 Stainless Steel Top Frame, Add</i>	587.93	
<b>33 42 36 00-0075</b>			<b>Outlet Adapters For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0072)</b>		
33 42 36 00-0076	EA		End Cap For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....	188.23	
33 42 36 00-0077	EA		No-Hub End Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....	201.31	
33 42 36 00-0078	EA		No-Hub Bottom Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....	201.31	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

33 42 36 00-0079		Other Fittings For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains <small>(33 42 36 00-0072)</small>		
33 42 36 00-0080	EA	Bottom Dome Strainer For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	302.79	
33 42 36 00-0081	EA	Joint Connector For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	397.01	
33 42 36 00-0082	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	1,583.01	
33 42 36 00-0083	EA	Cross For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	3,090.53	
33 42 36 00-0084	EA	Cutting Charges For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	376.88	
33 42 36 00-0085		12" Wide, Vinylester Fiberglass, Modular Trench Drains <small>(33 42 36 00-0058)</small>		
33 42 36 00-0086		12" Wide, Vinylester Fiberglass, Modular Trench Drains <small>(33 42 36 00-0085)</small>		
33 42 36 00-0087	LF	12" Wide, Vinylester Fiberglass, Modular Trench Drain.....	646.18	21.59
		<i>For Acid Resistant Coated Top Frame, Add</i>	97.99	
		<i>For Galvanized Welded Frame Assembly, Add</i>	102.70	
		<i>For Type 304 Stainless Steel Top Frame, Add</i>	587.93	
33 42 36 00-0088		Outlet Adapters For 12" Wide, Vinylester Fiberglass, Modular Trench Drains <small>(33 42 36 00-0085)</small>		
33 42 36 00-0089	EA	End Cap For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	470.89	
33 42 36 00-0090	EA	No-Hub End Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	483.97	
33 42 36 00-0091	EA	No-Hub Bottom Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	483.97	
33 42 36 00-0092		Other Fittings For 12" Wide, Vinylester Fiberglass, Modular Trench Drains <small>(33 42 36 00-0085)</small>		
33 42 36 00-0093	EA	Bottom Dome Strainer For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	302.79	
33 42 36 00-0094	EA	Joint Connector For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	397.01	
33 42 36 00-0095	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	1,583.01	
33 42 36 00-0096	EA	Cross For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	3,090.53	
33 42 36 00-0097	EA	Cutting Charges For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	376.88	
33 42 36 00-0098		12" Wide, Polymer Concrete, Modular Trench Drains <small>(33 42 36 00-0058)</small>		
33 42 36 00-0099		12" Wide, Polymer Concrete, Modular Trench Drains <small>(33 42 36 00-0098)</small>		
33 42 36 00-0100	LF	12" Wide, Polymer Concrete, Modular Trench Drain.....	522.64	
33 42 36 00-0101		Outlet Adapters For 12" Wide, Polymer Concrete, Modular Trench Drains <small>(33 42 36 00-0098)</small>		
33 42 36 00-0102	EA	Closed End Cap For 12" Wide, Polymer Concrete, Modular Trench Drain.....	263.14	
33 42 36 00-0103	EA	No-Hub End Outlet For 12" Wide, Polymer Concrete, Modular Trench Drain.....	452.94	
33 42 36 00-0104	EA	No-Hub Bottom Outlet For 12" Wide, Polymer Concrete, Modular Trench Drain.....	106.86	
33 42 36 00-0105		23" Wide, Modular Trench Drains <small>(33 42 36 00-0002)</small>		
33 42 36 00-0106		23" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 42 36 00-0105)</small>		
33 42 36 00-0107		23" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 42 36 00-0106)</small>		
33 42 36 00-0108	LF	23" Wide, High Density Polyethylene, Modular Trench Drain.....	509.83	29.45
		<i>For Acid Resistant Coated Frame, Add</i>	146.98	
		<i>For Galvanized Frame Assembly, Add</i>	146.98	
		<i>For Type 304 Stainless Steel Top Frame, Add</i>	904.51	
33 42 36 00-0109		Outlet Adapters For 23" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 42 36 00-0106)</small>		
33 42 36 00-0110	EA	End Cap For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	577.60	
33 42 36 00-0111	EA	No-Hub End Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	840.99	
33 42 36 00-0112	EA	No-Hub Bottom Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	840.99	
33 42 36 00-0113		Other Fittings For 23" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 42 36 00-0106)</small>		
33 42 36 00-0114	EA	Bottom Dome Strainer For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	688.97	
33 42 36 00-0115	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	3,137.69	
33 42 36 00-0116	EA	Cross For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	6,152.73	
33 42 36 00-0117	EA	Cutting Charges For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	753.76	
33 42 36 00-0118		Modular Trench Drain Grates <small>(33 42 36 00-0001)</small>		
33 42 36 00-0119		4" Wide, Modular Trench Drain Grates <small>(33 42 36 00-0118)</small>		
33 42 36 00-0120	LF	4" Wide, Polypropylene, Silver Heel Proof, Modular Trench Drain Grate (Zurn Z884-P4-HPP).....	35.92	2.95
33 42 36 00-0121	LF	4" Wide, Class C Cast Iron, Modular Trench Drain Grate (Zurn Z884-P4-CG).....	37.75	2.95
33 42 36 00-0122	LF	4" Wide, Galvanized Steel Slotted, Modular Trench Drain Grate (Zurn Z884-P4-FG).....	30.45	2.95
33 42 36 00-0123	LF	4" Wide, Stainless Steel Slotted, Modular Trench Drain Grate (Zurn Z884-P4-FS).....	80.63	2.95
33 42 36 00-0124	LF	4" Wide, Galvanized Steel Perforated, Modular Trench Drain Grate (Zurn Z884-P4-FG).....	30.45	2.95
33 42 36 00-0125	LF	4" Wide, Stainless Steel Perforated, Modular Trench Drain Grate (Zurn Z884-P4-FS).....	80.63	2.95
33 42 36 00-0126		6" Wide, Modular Trench Drain Grates <small>(33 42 36 00-0118)</small>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 36 00-0127	LF		6" Wide, Galvanized Ductile Iron Cast Bar, Modular Trench Drain Grate .....	185.80	2.95
33 42 36 00-0128	LF		6" Wide, Ductile Iron Cast Bar, Modular Trench Drain Grate .....	157.35	2.95
33 42 36 00-0129	LF		6" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate .....	165.26	2.95
33 42 36 00-0130	LF		6" Wide, Ductile Iron Slotted, Modular Trench Drain Grate .....	144.35	2.95
33 42 36 00-0131	LF		6" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate .....	155.65	2.95
33 42 36 00-0132	LF		6" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate .....	157.54	2.95
33 42 36 00-0133	LF		6" Wide, Ductile Iron Longitudinal Slotted, Modular Trench Drain Grate .....	157.54	2.95
33 42 36 00-0134	LF		6" Wide, Galvanized Cast Iron Slotted, Modular Trench Drain Grate .....	155.65	2.95
33 42 36 00-0135	LF		6" Wide, Galvanized Steel Slotted, Modular Trench Drain Grate .....	136.81	2.95
33 42 36 00-0136	LF		6" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate .....	136.81	2.95
33 42 36 00-0137	LF		6" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate .....	145.48	2.95
33 42 36 00-0138	LF		6" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate .....	145.48	2.95
33 42 36 00-0139	LF		6" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate .....	189.57	2.95
33 42 36 00-0140	LF		6" Wide, Perforated Stainless Steel, Modular Trench Drain Grate .....	189.57	2.95
33 42 36 00-0141	LF		6" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate .....	347.86	2.95
33 42 36 00-0142	LF		6" Wide, Reinforced Perforated Stainless Steel, Modular Trench Drain Grate .....	347.86	2.95
33 42 36 00-0143	LF		6" Wide, Stainless Steel Bar, Modular Trench Drain Grate .....	969.71	2.95
33 42 36 00-0144	LF		6" Wide, Heel Proof Polyethylene, Modular Trench Drain Grate .....	129.27	2.95
33 42 36 00-0145	LF		6" Wide, Fiberglass, Modular Trench Drain Grate .....	280.02	2.95

<b>33 42 36 00-0146 12" Wide, Modular Trench Drain Grates (33 42 36 00-0118)</b>					
33 42 36 00-0147	LF		12" Wide, Black Acid Resistant Coated Ductile Iron, Modular Trench Drain Grate .....	514.19	3.19
33 42 36 00-0148	LF		12" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate .....	491.58	3.19
33 42 36 00-0149	LF		12" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate .....	427.51	3.19
33 42 36 00-0150	LF		12" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate .....	449.18	3.19
33 42 36 00-0151	LF		12" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate .....	387.93	3.19
33 42 36 00-0152	LF		12" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate .....	760.10	3.19
33 42 36 00-0153	LF		12" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate .....	760.10	3.19
33 42 36 00-0154	LF		12" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate .....	970.21	3.19
33 42 36 00-0155	LF		12" Wide, Perforated Stainless Steel, Modular Trench Drain Grate .....	970.21	3.19
33 42 36 00-0156	LF		12" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate .....	1,238.74	3.19
33 42 36 00-0157	LF		12" Wide, Reinforced Perforated Stainless Steel Slotted, Modular Trench Drain Grate .....	1,238.74	3.19
33 42 36 00-0158	LF		12" Wide, Stainless Steel Cast Bar, Modular Trench Drain Grate .....	1,175.61	3.19
33 42 36 00-0159	LF		12" Wide, Fiberglass, Modular Trench Drain Grate .....	554.70	3.19

<b>33 42 36 00-0160 23" Wide, Modular Trench Drain Grates (33 42 36 00-0118)</b>					
33 42 36 00-0161	LF		23" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate .....	812.41	3.44
33 42 36 00-0162	LF		23" Wide, Ductile Iron Slotted, Modular Trench Drain Grate .....	684.27	3.44
33 42 36 00-0163	LF		23" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate .....	1,061.15	3.44
33 42 36 00-0164	LF		23" Wide, Heel Proof Longitudinal Ductile Iron, Modular Trench Drain Grate .....	786.03	3.44

### 33 44 Storm Utility Water Drains (33 40)

#### 33 44 36 Oil and Stormwater Separators (33 44)

<b>33 44 36 00-0001 Oil/Water Separator (33 44 36)</b>					
Note: Complete with internal sensors and detectors.					
<b>33 44 36 00-0002 Coalescing Oil Water Separator (33 44 36 00-0001)</b>					
Note: Underground tank with interior polyurethane coating. Includes manways, coalescer, inlet and outlet spools, pump mount, 2" level sensor pipe and 4" pump out pipe. HighGuard as manufactured by Highland Tank, Stoystown, PA.					
<b>33 44 36 00-0003 Single Wall Steel Coalescing Oil Water Separator (33 44 36 00-0002)</b>					
33 44 36 00-0004	EA		550 Gallon, 55 GPM Single Wall Steel Coalescing Oil Water Separator With Manways .....	15,484.89	
Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.					
For Interior Polyurethane Coating, Add				711.00	
33 44 36 00-0005	EA		1,000 Gallon, 100 GPM Single Wall Steel Coalescing Oil Water Separator With Manways .....	18,922.28	
Note: HTC-G 1000. 4' diameter x 14' long tank.					
For Interior Polyurethane Coating, Add				893.70	
33 44 36 00-0006	EA		2,000 Gallon, 200 GPM Single Wall Steel Coalescing Oil Water Separator With Manways .....	22,640.60	
Note: HTC-G 2000. 5'-4" diameter x 15' long tank.					
For Interior Polyurethane Coating, Add				1,340.10	
<b>33 44 36 00-0007 Double Wall Steel Coalescing Oil Water Separator (33 44 36 00-0002)</b>					
33 44 36 00-0008	EA		550 Gallon, 55 GPM Double Wall Steel Coalescing Oil Water Separator With Manways .....	23,993.23	
Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.					
For Interior Polyurethane Coating, Add				711.00	
33 44 36 00-0009	EA		1,000 Gallon, 100 GPM Double Wall Steel Coalescing Oil Water Separator With Manways .....	27,581.52	
Note: HTC-G 1000. 4' diameter x 14' long tank.					
For Interior Polyurethane Coating, Add				893.70	
33 44 36 00-0010	EA		2,000 Gallon, 200 GPM Double Wall Steel Coalescing Oil Water Separator With Manways .....	33,656.45	
Note: HTC-G 2000. 5'-4" diameter x 15' long tank.					
For Interior Polyurethane Coating, Add				1,340.10	
33 44 36 00-0011	EA		3,000 Gallon, 300 GPM Double Wall Steel Coalescing Oil Water Separator With Manways .....	39,153.84	
Note: HTC-G 3000. 5'-4" diameter x 21'-4" long tank.					
For Interior Polyurethane Coating, Add				1,550.70	
33 44 36 00-0012	EA		5,000 Gallon, 500 GPM Double Wall Steel Coalescing Oil Water Separator With Manways .....	51,978.73	
Note: HTC-G 5000. 6' diameter x 28'-8" long tank.					
For Interior Polyurethane Coating, Add				2,057.80	
<b>33 44 36 00-0013 Accessories For Coalescing Oil Water Separators (33 44 36 00-0002)</b>					

**33 Utilities****33 40 Stormwater Utilities****33 44 Storm Utility Water Drains**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

33 44 36 00-0014	EA	Single Channel Alarm Panel For Coalescing Oil Water Separator.....	972.24	
		Note: HTAP1.		
33 44 36 00-0015	EA	Two Channel Alarm Panel For Coalescing Oil Water Separator.....	1,320.23	
		Note: HTAP2.		
33 44 36 00-0016	EA	Float Interface Sensor For Coalescing Oil Water Separator.....	779.92	
		Note: Required for UL 2215 label.		
33 44 36 00-0017	EA	1-1/2" Liquid Only Sensor For Coalescing Oil Water Separator.....	578.46	
		Note: Required for UL 2215 label.		
33 44 36 00-0018	EA	Polyvinyl Chloride (PVC) Cap For 2" Sensor For Coalescing Oil Water Separator.....	200.72	
		Note: Required for UL 2215 label.		
33 44 36 00-0019	EA	550, 1,000 Or 2,000 Gallon Tank Concrete Deadmen Set (2 Each) For Coalescing Oil Water Separator .....	3,306.32	
33 44 36 00-0020	EA	3,000 Gallon Tank Concrete Deadmen Set (4 Each) For Coalescing Oil Water Separator .....	6,612.63	
33 44 36 00-0021	EA	5,000 Gallon Tank Concrete Deadmen Set (6 Each) For Coalescing Oil Water Separator .....	9,919.03	
33 44 36 00-0022	EA	550 Or 1,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator .....	606.69	
33 44 36 00-0023	EA	2,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator .....	714.14	
33 44 36 00-0024	EA	3,000 Gallon Tank Polyester Hold Down Straps (4 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator .....	1,428.27	
33 44 36 00-0025	EA	5,000 Gallon Tank Polyester Hold Down Straps (6 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator .....	3,149.74	
33 44 36 00-0026	EA	30" Diameter Grade Level Manway For Coalescing Oil Water Separator.....	858.52	
		Note: Required when installed in paved areas.		
33 44 36 00-0027	EA	36" Diameter Grade Level Manway For Coalescing Oil Water Separator.....	1,116.50	
		Note: Required when installed in paved areas.		
33 44 36 00-0028	EA	48" Diameter Grade Level Manway For Coalescing Oil Water Separator.....	1,542.39	
		Note: Required when installed in paved areas.		
33 44 36 00-0029	EA	54" x 54" Grade Level Manway For Coalescing Oil Water Separator .....	2,798.18	
		Note: Required when installed in paved areas.		
33 44 36 00-0030	EA	66" x 54" Grade Level Manway For Coalescing Oil Water Separator .....	3,593.96	
		Note: Required when installed in paved areas.		
33 44 36 00-0031	EA	66" x 66" Grade Level Manway For Coalescing Oil Water Separator .....	4,507.26	
		Note: Required when installed in paved areas.		
33 44 36 00-0032	EA	78" x 66" Grade Level Manway For Coalescing Oil Water Separator .....	5,679.10	
		Note: Required when installed in paved areas.		
33 44 36 00-0033	EA	550 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator .....	1,119.80	
33 44 36 00-0034	EA	1,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator .....	1,364.91	
33 44 36 00-0035	EA	2,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator .....	2,143.90	
33 44 36 00-0036	EA	550 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator .....	1,067.76	
33 44 36 00-0037	EA	1,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator .....	1,296.08	
33 44 36 00-0038	EA	2,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator .....	1,537.84	
33 44 36 00-0039	EA	18" Manhole Gasket (Material Only) For Coalescing Oil Water Separator.....	90.66	
33 44 36 00-0040	EA	24" Manhole Gasket (Material Only) For Coalescing Oil Water Separator.....	102.41	

**33 44 36 00-0041 Oil Skimmers (33 44 36)****33 44 36 00-0042 Oil Skimmers, 12" And 24" Models (33 44 36 00-0041)**

33 44 36 00-0043	EA	Oil Skimmers, TENV, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase.....	5,060.77	605.82
33 44 36 00-0044	EA	Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase .....	5,296.57	605.82
33 44 36 00-0045	EA	Oil Skimmers, TENV, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase.....	5,082.61	605.82
33 44 36 00-0046	EA	Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase .....	5,384.99	605.82
33 44 36 00-0047	EA	Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase .....	5,330.41	605.82
33 44 36 00-0048	EA	Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase .....	5,530.18	605.82
33 44 36 00-0049	EA	Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase.....	5,381.71	605.82
33 44 36 00-0050	EA	Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase .....	5,683.01	605.82
33 44 36 00-0051	EA	Oil Skimmers, TENV, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase.....	5,718.17	807.94
33 44 36 00-0052	EA	Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase .....	5,970.34	807.94
33 44 36 00-0053	EA	Oil Skimmers, TENV, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase.....	5,784.76	807.94
33 44 36 00-0054	EA	Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase .....	6,147.19	807.94
33 44 36 00-0055	EA	Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase .....	6,355.69	807.94
33 44 36 00-0056	EA	Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase .....	6,607.86	807.94
33 44 36 00-0057	EA	Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase.....	6,409.18	807.94
33 44 36 00-0058	EA	Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase .....	6,772.70	807.94

**33 44 36 00-0059 Oil Skimmers, Add-Ons (33 44 36 00-0041)**

33 44 36 00-0060	LF	Add For Belt Projection, 12" Width.....	16.37	
33 44 36 00-0061	LF	Add For Belt Projection, 24" Width.....	30.57	
33 44 36 00-0062	LF	Add For Spacer Stands, 12" Models.....	262.51	
33 44 36 00-0063	LF	Add For Spacer Stands, 24" Models.....	310.54	

**33 50 Hydrocarbon Utilities (33)****33 52 Hydrocarbon Transmission and Distribution (33 50)****33 52 16 Gas Hydrocarbon Piping (33 52)****33 52 16 13 Steel Natural Gas Piping (33 52 16)**

See CSI section 23 05 23 00-0000 for gas valves.

**33 52 16 13-0001 Gas Distribution Lines (33 52 16 13)**

Note: Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

**33 52 16 13-0002 Steel, Schedule 40, Plain End, Coal Tar Enamel And Wrapped (33 52 16 13-0001)**

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
					UNIT COST	UNIT COST

33 52 16 13-0003	LF			1/2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	15.00	2.68
33 52 16 13-0004	LF			3/4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	17.16	2.94
33 52 16 13-0005	LF			1" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	19.32	3.01
33 52 16 13-0006	LF			1-1/4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	19.82	3.09
33 52 16 13-0007	LF			1-1/2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	20.50	3.13
33 52 16 13-0008	LF			2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	21.74	3.36
33 52 16 13-0009	LF			2-1/2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	29.71	3.97
33 52 16 13-0010	LF			3" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	37.08	5.02
33 52 16 13-0011	LF			4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	49.32	6.05
33 52 16 13-0012	LF			5" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	65.54	7.02
33 52 16 13-0013	LF			6" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	82.19	8.57
33 52 16 13-0014	LF			8" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	118.26	11.03

**33 52 16 13-0015 Gas Line Taps** (33 52 16 13-0001)  
Note: Includes material to tap into main and gas valve.

**33 52 16 13-0016 Polyethylene, 60 PSI** (33 52 16 13-0015)

33 52 16 13-0017	EA			2" Polyethylene Hot Tap, With Valve .....	1,676.98	
33 52 16 13-0018	EA			2-1/2" Polyethylene Hot Tap, With Valve .....	1,717.46	
33 52 16 13-0019	EA			3" Polyethylene Hot Tap, With Valve .....	1,814.58	
33 52 16 13-0020	EA			4" Polyethylene Hot Tap, With Valve .....	2,955.85	
33 52 16 13-0021	EA			6" Polyethylene Hot Tap, With Valve .....	4,549.73	

**33 52 16 13-0022 Steel, Schedule 40** (33 52 16 13-0015)  
Note: For punch steel service tee.

33 52 16 13-0023	EA			1/2" Iron Pipe Size Weld Base, 1/2" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee .....	2,387.12	
33 52 16 13-0024	EA			3/4" Iron Pipe Size Weld Base, 1/2" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee .....	2,427.56	
33 52 16 13-0025	EA			3/4" Iron Pipe Size Weld Base, 3/4" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee .....	2,483.79	
33 52 16 13-0026	EA			3/4" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee .....	2,538.19	
33 52 16 13-0027	EA			1" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee .....	2,578.49	
33 52 16 13-0028	EA			1-1/4" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee .....	2,806.15	
33 52 16 13-0029	EA			1-1/4" Iron Pipe Size Weld Base, 1-1/4" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee .....	2,877.39	

**33 52 16 13-0030 Protective Pipe And Fitting Wrap** (33 52 16 13-0001)  
Note: Includes cleaning and priming pipe.

**33 52 16 13-0031 Corrosion Protection Pipe Wrap For Pipe** (33 52 16 13-0030)  
Note: Field applied.

33 52 16 13-0032	LF			1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe .....	3.19	
33 52 16 13-0033	LF			3/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe .....	3.37	
33 52 16 13-0034	LF			1" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe .....	3.57	
33 52 16 13-0035	LF			1-1/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe .....	4.01	
33 52 16 13-0036	LF			1-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe .....	4.31	
33 52 16 13-0037	LF			2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe .....	4.94	
33 52 16 13-0038	LF			2-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe .....	5.98	
33 52 16 13-0039	LF			3" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe .....	7.36	
33 52 16 13-0040	LF			4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe .....	9.24	
33 52 16 13-0041	LF			6" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe .....	12.20	

**33 52 16 13-0042 Corrosion Resistance Wrap And Coat - Fittings** (33 52 16 13-0030)  
Note: Field applied.

33 52 16 13-0043	EA			1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings .....	18.57	
33 52 16 13-0044	EA			3/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings .....	18.57	
33 52 16 13-0045	EA			1" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings .....	22.96	
33 52 16 13-0046	EA			1-1/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings .....	25.79	
33 52 16 13-0047	EA			1-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings .....	25.79	
33 52 16 13-0048	EA			2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings .....	30.52	
33 52 16 13-0049	EA			2-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings .....	40.80	
33 52 16 13-0050	EA			3" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings .....	55.30	
33 52 16 13-0051	EA			4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings .....	55.88	
33 52 16 13-0052	EA			6" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings .....	64.24	

**33 52 16 13-0053 Service Fittings** (33 52 16 13-0001)

**33 52 16 13-0054 Brass Fittings** (33 52 16 13-0053)

33 52 16 13-0055	EA			1/2" X 2" Long Nipples, Threaded Both Ends, Brass .....	35.92	
33 52 16 13-0056	EA			3/4" X 2" Long Nipples, Threaded Both Ends, Brass .....	41.92	
33 52 16 13-0057	EA			1" X 2" Long Nipples, Threaded Both Ends, Brass .....	53.50	
33 52 16 13-0058	EA			1-1/4" X 2" Long Nipples, Threaded Both Ends, Brass .....	66.85	
33 52 16 13-0059	EA			1-1/2" X 2" Long Nipples, Threaded Both Ends, Brass .....	75.24	
33 52 16 13-0060	EA			2" X 2" Long Nipples, Threaded Both Ends, Brass .....	98.86	
33 52 16 13-0061	EA			1/2" 90 Degree Elbow, Brass .....	31.28	
33 52 16 13-0062	EA			3/4" 90 Degree Elbow, Brass .....	36.22	
33 52 16 13-0063	EA			1" 90 Degree Elbow, Brass .....	47.63	
33 52 16 13-0064	EA			1-1/4" 90 Degree Elbow, Brass .....	62.57	

**33 Utilities****33 50 Hydrocarbon Utilities****33 52 Hydrocarbon Transmission and Distribution**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

33 52 16 13-0065	EA	1-1/2" 90 Degree Elbow, Brass.....	72.01	
33 52 16 13-0066	EA	2" 90 Degree Elbow, Brass.....	97.95	
33 52 16 13-0067	EA	1/2" Diameter Chrome Plated Nipple.....	25.03	
33 52 16 13-0068	EA	3/4" Diameter Chrome Plated Nipple.....	32.27	
33 52 16 13-0069	EA	1" Diameter Chrome Plated Nipple.....	42.04	
33 52 16 13-0070	EA	1-1/4" Diameter Chrome Plated Nipple.....	59.93	
33 52 16 13-0071	EA	1-1/2" Diameter Chrome Plated Nipple.....	72.71	
33 52 16 13-0072	EA	2" Diameter Chrome Plated Nipple.....	98.14	

**33 52 16 13-0073 Anodless Gas Riser (33 52 16 13-0053)**

33 52 16 13-0074	EA	3/4" Anodless Gas Riser.....	86.72	
33 52 16 13-0075	EA	1" Anodless Gas Riser.....	107.15	
33 52 16 13-0076	EA	1-1/4" Anodless Gas Riser.....	125.44	
33 52 16 13-0077	EA	1-1/2" Anodless Gas Riser.....	156.40	
33 52 16 13-0078	EA	2" Anodless Gas Riser.....	179.37	

**33 52 16 13-0079 Brass Service Adapter (33 52 16 13-0053)**

33 52 16 13-0080	EA	1/2" Brass Service Adapter.....	67.82	
33 52 16 13-0081	EA	3/4" Brass Service Adapter.....	74.63	
33 52 16 13-0082	EA	1" Brass Service Adapter.....	89.69	
33 52 16 13-0083	EA	1-1/4" Brass Service Adapter.....	110.14	
33 52 16 13-0084	EA	1-1/2" Brass Service Adapter.....	133.59	
33 52 16 13-0085	EA	2" Brass Service Adapter.....	162.15	
33 52 16 13-0086	EA	2-1/2" Brass Service Adapter.....	281.43	
33 52 16 13-0087	EA	3" Brass Service Adapter.....	344.11	
33 52 16 13-0088	EA	4" Brass Service Adapter.....	497.67	

**33 52 16 23 Medium Density Polyethylene Piping for Natural Gas (33 52 16)****33 52 16 23-0001 Medium Density Polyethylene (MDPE) Gas Distribution Piping (33 52 16 23)**

Note: PE2406/PE2708. Includes couplings, #12 tracer wire, helically wrapped around piping.

33 52 16 23-0002	LF	1/2" Diameter, SDR 9, Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	3.78	1.68
		<i>For Colors, Add</i>	0.05	
33 52 16 23-0003	LF	3/4" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	4.20	1.79
		<i>For SDR 13.5, Deduct</i>	-0.10	
		<i>For Colors, Add</i>	0.06	
33 52 16 23-0004	LF	1" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	4.63	1.92
		<i>For SDR 13.5, Deduct</i>	-0.12	
		<i>For Colors, Add</i>	0.08	
33 52 16 23-0005	LF	1-1/4" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	5.06	2.04
		<i>For SDR 13.5, Deduct</i>	-0.15	
		<i>For Colors, Add</i>	0.10	
33 52 16 23-0006	LF	1-1/2" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	5.81	2.45
		<i>For SDR 13.5, Deduct</i>	-0.21	
		<i>For Colors, Add</i>	0.14	
33 52 16 23-0007	LF	2" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	6.58	2.67
		<i>For SDR 13.5, Deduct</i>	-0.28	
		<i>For SDR 15.5, Deduct</i>	-0.51	
		<i>For Colors, Add</i>	0.18	
33 52 16 23-0008	LF	2-1/2" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	8.30	3.12
		<i>For SDR 13.5, Deduct</i>	-0.46	
		<i>For SDR 15.5, Deduct</i>	-0.84	
		<i>For Colors, Add</i>	0.30	
33 52 16 23-0009	LF	3" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	10.13	3.70
		<i>For SDR 13.5, Deduct</i>	-0.63	
		<i>For SDR 15.5, Deduct</i>	-1.15	
		<i>For Colors, Add</i>	0.40	
33 52 16 23-0010	LF	4" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	16.31	4.23
		<i>For SDR 13.5, Deduct</i>	-1.16	
		<i>For SDR 15.5, Deduct</i>	-2.13	
		<i>For Colors, Add</i>	0.75	
33 52 16 23-0011	LF	5" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	20.61	4.23
		<i>For SDR 13.5, Deduct</i>	-1.61	
		<i>For SDR 15.5, Deduct</i>	-2.95	
		<i>For Colors, Add</i>	1.04	
33 52 16 23-0012	LF	6" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	25.02	4.23
		<i>For SDR 13.5, Deduct</i>	-2.05	
		<i>For SDR 15.5, Deduct</i>	-3.78	
		<i>For Colors, Add</i>	1.33	
33 52 16 23-0013	LF	8" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	37.09	5.28
		<i>For SDR 13.5, Deduct</i>	-3.42	
		<i>For SDR 15.5, Deduct</i>	-6.29	
		<i>For Colors, Add</i>	2.21	

**33 52 16 26 High Density Polyethylene Piping for Natural Gas (33 52 16)****33 52 16 26-0001 High Density Polyethylene (HDPE) Gas Distribution Piping (33 52 16 26)**

Note: ASTM F2619, ASTM D2513, API 15 LE. Includes couplings, #12 tracer wire, helically wrapped around piping.

33 52 16 26-0002	LF	1/2" Diameter, SDR 9 High Density Polyethylene (HDPE) Gas Distribution Pipe.....	3.84	1.68
33 52 16 26-0003	LF	3/4" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe.....	4.29	1.79
		<i>For SDR 13.5, Deduct</i>	-0.11	
33 52 16 26-0004	LF	1" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe.....	4.72	1.92
		<i>For SDR 13.5, Deduct</i>	-0.14	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 52 16 26-0005	LF		1-1/4" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe..... <i>For SDR 13.5, Deduct</i>	5.18 -0.16	2.04
33 52 16 26-0006	LF		1-1/2" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe..... <i>For SDR 13.5, Deduct</i>	5.98 -0.23	2.45
33 52 16 26-0007	LF		2" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe..... <i>For SDR 13.5, Deduct</i> <i>For SDR 15.5, Deduct</i> <i>For SDR 17, Deduct</i>	6.80 -0.30 -0.56 -0.81	2.67
33 52 16 26-0008	LF		2-1/2" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe..... <i>For SDR 13.5, Deduct</i> <i>For SDR 15.5, Deduct</i> <i>For SDR 17, Deduct</i>	8.67 -0.50 -0.93 -1.35	3.12
33 52 16 26-0009	LF		3" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe..... <i>For SDR 13.5, Deduct</i> <i>For SDR 15.5, Deduct</i> <i>For SDR 17, Deduct</i> <i>For SDR 21, Deduct</i>	10.63 -0.69 -1.27 -1.84 -2.51	3.70
33 52 16 26-0010	LF		4" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe..... <i>For SDR 13.5, Deduct</i> <i>For SDR 15.5, Deduct</i> <i>For SDR 17, Deduct</i> <i>For SDR 21, Deduct</i>	17.24 -1.27 -2.34 -3.40 -4.65	4.23
33 52 16 26-0011	LF		6" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe..... <i>For SDR 13.5, Deduct</i> <i>For SDR 15.5, Deduct</i> <i>For SDR 17, Deduct</i> <i>For SDR 21, Deduct</i>	26.67 -2.26 -4.15 -6.03 -8.25	4.23
33 52 16 26-0012	LF		8" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe..... <i>For SDR 13.5, Deduct</i> <i>For SDR 15.5, Deduct</i> <i>For SDR 17, Deduct</i> <i>For SDR 21, Deduct</i>	39.85 -3.76 -6.92 -10.04 -13.74	5.28

### 33 53 Hydrocarbon Utility Pressure Regulation (33 50)

#### 33 53 16 Gas Hydrocarbon Pressure Regulation (33 53)

##### 33 53 16 00-0001 Gas Pressure Regulators With Screwed And Flanged Ends (33 53 16)

33 53 16 00-0002	EA		3/4" Gas Pressure Regulator, Screwed End.....	210.03	17.54
33 53 16 00-0003	EA		1" Gas Pressure Regulator, Screwed End.....	214.01	17.54
33 53 16 00-0004	EA		1-1/4" Gas Pressure Regulator, Screwed End.....	223.57	20.83
33 53 16 00-0005	EA		1-1/2" Gas Pressure Regulator, Screwed End.....	743.13	24.11
33 53 16 00-0006	EA		2" Gas Pressure Regulator, Screwed End.....	793.50	37.35
33 53 16 00-0007	EA		3" Gas Pressure Regulator, Screwed End.....	2,224.73	83.79
33 53 16 00-0008	EA		4" Gas Pressure Regulator, Screwed End.....	3,089.98	111.05

### 33 56 Hydrocarbon Storage (33 50)

#### 33 56 13 Aboveground Hydrocarbon Storage Tanks (33 56)

See CSI section 23 13 23 00-0000 for aboveground storage tanks.

#### 33 56 33 Underground Hydrocarbon Storage (33 56)

See CSI section 23 13 13 00-0000 for underground storage tanks.

### 33 59 Hydrocarbon Utility Metering (33 50)

#### 33 59 11 Diaphragm/Bellows Hydrocarbons Meters (33 59)

##### 33 59 11 00-0001 Diaphragm Meters (33 59 11)

Note: With standard direct-digital reading maximum working pressures 5 lbs to 100 lbs, threaded connections. Excludes pressure and temperature compensation.

33 59 11 00-0002	EA		250 CF/Hour Gas Diaphragm Meter At 5 LB, Direct Digital, Threaded..... <i>For Temperature And Pressure Compensation, Add</i> <i>For Pulsers, Add</i>	518.93 8.40 26.50	68.65
33 59 11 00-0003	EA		425 CF/Hour Gas Diaphragm Meter At 10 LB, Direct Digital, Threaded..... <i>For Temperature And Pressure Compensation, Add</i> <i>For Pulsers, Add</i>	1,015.56 8.40 26.50	104.99
33 59 11 00-0004	EA		425 CF/Hour Gas Diaphragm Meter At 25 LB, Direct Digital, Threaded..... <i>For Temperature And Pressure Compensation, Add</i> <i>For Pulsers, Add</i>	1,191.33 8.40 26.50	104.99
33 59 11 00-0005	EA		800 CF/Hour Gas Diaphragm Meter At 20 LB, Direct Digital, Threaded..... <i>For Temperature And Pressure Compensation, Add</i> <i>For Pulsers, Add</i>	2,588.47 8.40 26.50	131.24
33 59 11 00-0006	EA		1,000 CF/Hour Gas Diaphragm Meter At 25 LB, Direct Digital, Threaded..... <i>For Temperature And Pressure Compensation, Add</i> <i>For Pulsers, Add</i>	2,930.05 8.40 26.50	161.53
33 59 11 00-0007	EA		800 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded..... <i>For Temperature And Pressure Compensation, Add</i> <i>For Pulsers, Add</i>	3,844.42 8.40 26.50	131.24
33 59 11 00-0008	EA		1,000 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded..... <i>For Temperature And Pressure Compensation, Add</i> <i>For Pulsers, Add</i>	4,281.60 8.40 26.50	161.53
33 59 11 00-0009	EA		1,400 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded..... <i>For Temperature And Pressure Compensation, Add</i> <i>For Pulsers, Add</i>	5,646.62 8.40 26.50	171.63
33 59 11 00-0010	EA		2,300 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded..... <i>For Temperature And Pressure Compensation, Add</i> <i>For Pulsers, Add</i>	7,984.90 8.40 26.50	201.91

**33 Utilities****33 50 Hydrocarbon Utilities****33 59 Hydrocarbon Utility Metering**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

33 59 11 00-0011	EA	5,000 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded .....	12,200.71	333.15
		<i>For Temperature And Pressure Compensation, Add</i>	8.40	
		<i>For Pulsers, Add</i>	26.50	

**33 59 16 Hydrocarbons Turbine Meters (33 59)****33 59 16 00-0001 Gas Turbine Meters With Direct-Digital Reading (33 59 16)**

Note: Maximum working pressure 175 PSI, flanged end connections.

33 59 16 00-0002	EA	4", 18,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	9,816.81	352.40
33 59 16 00-0003	EA	6", 30,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	10,463.52	409.24
33 59 16 00-0004	EA	8", 60,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	16,174.20	436.49
33 59 16 00-0005	EA	10", 90,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	31,430.19	531.38
33 59 16 00-0006	EA	12", 150,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	51,919.95	664.22

**33 60 Hydronic and Steam Energy Utilities (33)****33 61 Hydronic Energy Distribution (33 60)****33 61 13 Buried Hydronic Energy Distribution (33 61)****33 61 13 13 Prefabricated/Preinsulated Pipe (33 61 13)**

Note: Includes coupling per full length of pipe. Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 33-0001 for excavation, 31 23 16 36-0016 for backfill.

**33 61 13 13-0001 Preinsulated Schedule 40 Black Steel Pipe (33 61 13 13)**

Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.

**33 61 13 13-0002 Standard Black Steel Carrier Pipe (33 61 13 13-0001)**

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0003	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	144.90	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.42	
		<i>For Schedule 80 Pipe, Add</i>	24.18	
33 61 13 13-0004	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	158.86	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.66	
		<i>For Schedule 80 Pipe, Add</i>	26.59	
33 61 13 13-0005	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	177.27	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.00	
		<i>For Schedule 80 Pipe, Add</i>	29.95	
33 61 13 13-0006	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	189.78	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.21	
		<i>For Schedule 80 Pipe, Add</i>	32.15	
33 61 13 13-0007	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	198.86	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.36	
		<i>For Schedule 80 Pipe, Add</i>	33.61	
33 61 13 13-0008	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	220.76	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.65	
		<i>For Schedule 80 Pipe, Add</i>	36.53	
33 61 13 13-0009	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	243.77	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.95	
		<i>For Schedule 80 Pipe, Add</i>	39.45	
33 61 13 13-0010	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	307.63	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.97	
		<i>For Schedule 80 Pipe, Add</i>	49.68	
33 61 13 13-0011	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	390.35	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.36	
		<i>For Schedule 80 Pipe, Add</i>	63.56	
33 61 13 13-0012	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	453.94	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.38	
		<i>For Schedule 80 Pipe, Add</i>	73.79	
33 61 13 13-0013	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	639.67	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.74	
		<i>For Schedule 80 Pipe, Add</i>	107.40	
33 61 13 13-0014	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	830.88	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.17	
		<i>For Schedule 80 Pipe, Add</i>	141.73	
33 61 13 13-0015	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,034.41	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.68	
		<i>For Schedule 80 Pipe, Add</i>	176.80	

**33 61 13 13-0016 Standard Black Steel Carrier Pipe (33 61 13 13-0001)**

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 61 13 13-0017	LF			3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	156.99 2.66 26.60	
33 61 13 13-0018	LF			1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	172.15 2.93 29.25	
33 61 13 13-0019	LF			1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	192.25 3.30 32.95	
33 61 13 13-0020	LF			1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	205.85 3.54 35.36	
33 61 13 13-0021	LF			2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	215.66 3.70 36.97	
33 61 13 13-0022	LF			2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pip With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	239.02 4.02 40.18	
33 61 13 13-0023	LF			3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	263.50 4.34 43.40	
33 61 13 13-0024	LF			4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	332.47 5.46 54.65	
33 61 13 13-0025	LF			5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	422.13 6.99 69.92	
33 61 13 13-0026	LF			6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	490.83 8.12 81.17	
33 61 13 13-0027	LF			8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	693.37 11.81 118.14	
33 61 13 13-0028	LF			10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	901.75 15.59 155.91	
33 61 13 13-0029	LF			12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	1,122.81 19.45 194.48	

**33 61 13 13-0030 Standard Black Steel Carrier Pipe** (33 61 13 13-0001)

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0031	LF			3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	163.04 2.78 27.81	
33 61 13 13-0032	LF			1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	178.80 3.06 30.58	
33 61 13 13-0033	LF			1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	199.74 3.44 34.45	
33 61 13 13-0034	LF			1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	213.89 3.70 36.97	
33 61 13 13-0035	LF			2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	224.06 3.86 38.65	
33 61 13 13-0036	LF			2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	248.15 4.20 42.01	
33 61 13 13-0037	LF			3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	273.36 4.54 45.37	
33 61 13 13-0038	LF			4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	344.89 5.71 57.13	

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33 61 13 13-0039	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	438.02	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.31	
		<i>For Schedule 80 Pipe, Add</i>	73.10	
33 61 13 13-0040	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	509.28	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.49	
		<i>For Schedule 80 Pipe, Add</i>	84.86	
33 61 13 13-0041	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	720.22	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.35	
		<i>For Schedule 80 Pipe, Add</i>	123.51	
33 61 13 13-0042	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	937.18	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.30	
		<i>For Schedule 80 Pipe, Add</i>	162.99	
33 61 13 13-0043	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,167.01	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.33	
		<i>For Schedule 80 Pipe, Add</i>	203.32	
<b>33 61 13 13-0044</b>		<b>Standard Black Steel Carrier Pipe</b> <small>(33 61 13 13-0001)</small>		
		Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 13-0045	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	172.11	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.96	
		<i>For Schedule 80 Pipe, Add</i>	29.62	
33 61 13 13-0046	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	188.77	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.26	
		<i>For Schedule 80 Pipe, Add</i>	32.58	
33 61 13 13-0047	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	210.97	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.67	
		<i>For Schedule 80 Pipe, Add</i>	36.69	
33 61 13 13-0048	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	225.94	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.94	
		<i>For Schedule 80 Pipe, Add</i>	39.38	
33 61 13 13-0049	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	236.66	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.12	
		<i>For Schedule 80 Pipe, Add</i>	41.17	
33 61 13 13-0050	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	261.85	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.47	
		<i>For Schedule 80 Pipe, Add</i>	44.75	
33 61 13 13-0051	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	288.15	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.83	
		<i>For Schedule 80 Pipe, Add</i>	48.33	
33 61 13 13-0052	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	363.52	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.09	
		<i>For Schedule 80 Pipe, Add</i>	60.86	
33 61 13 13-0053	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	461.85	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.79	
		<i>For Schedule 80 Pipe, Add</i>	77.86	
33 61 13 13-0054	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	536.95	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.04	
		<i>For Schedule 80 Pipe, Add</i>	90.39	
33 61 13 13-0055	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	760.49	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.16	
		<i>For Schedule 80 Pipe, Add</i>	131.56	
33 61 13 13-0056	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	990.33	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.36	
		<i>For Schedule 80 Pipe, Add</i>	173.62	
33 61 13 13-0057	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,233.31	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	21.66	
		<i>For Schedule 80 Pipe, Add</i>	216.58	
<b>33 61 13 13-0058</b>		<b>Preinsulated Black Steel Fittings</b> <small>(33 61 13 13)</small>		
		Note: No excavation or backfill.		
<b>33 61 13 13-0059</b>		<b>Elbows</b> <small>(33 61 13 13-0058)</small>		
<b>33 61 13 13-0060</b>		<b>Elbows</b> <small>(33 61 13 13-0059)</small>		
		Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 13-0061	EA	3/4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	893.13	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.66	
33 61 13 13-0062	EA	1" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	920.07	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.03	

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33 61 13 13-0063	EA	1-1/4"		Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,052.20 18.24	
33 61 13 13-0064	EA	1-1/2"		Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,166.29 19.89	
33 61 13 13-0065	EA	2"		Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,293.53 20.72	
33 61 13 13-0066	EA	2-1/2"		Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,453.96 21.55	
33 61 13 13-0067	EA	3"		Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,684.31 24.87	
33 61 13 13-0068	EA	4"		Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,965.39 29.01	
33 61 13 13-0069	EA	5"		Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2,416.03 37.30	
33 61 13 13-0070	EA	6"		Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2,696.75 42.37	
33 61 13 13-0071	EA	8"		Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3,834.56 61.25	
33 61 13 13-0072	EA	10"		Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5,073.35 78.28	
33 61 13 13-0073	EA	12"		Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6,572.20 103.61	

**33 61 13 13-0074 Elbows** (33 61 13 13-0059)

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0075	EA	3/4"		Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	951.84 16.83	
33 61 13 13-0076	EA	1"		Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	980.16 17.23	
33 61 13 13-0077	EA	1-1/4"		Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,120.58 19.60	
33 61 13 13-0078	EA	1-1/2"		Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,240.89 21.39	
33 61 13 13-0079	EA	2"		Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,371.24 22.28	
33 61 13 13-0080	EA	2-1/2"		Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,534.77 23.17	
33 61 13 13-0081	EA	3"		Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,777.56 26.73	
33 61 13 13-0082	EA	4"		Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2,074.18 31.19	
33 61 13 13-0083	EA	5"		Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2,555.91 40.10	
33 61 13 13-0084	EA	6"		Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2,855.63 45.54	
33 61 13 13-0085	EA	8"		Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4,064.23 65.84	
33 61 13 13-0086	EA	10"		Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5,366.92 84.16	
33 61 13 13-0087	EA	12"		Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6,960.75 111.38	

**33 61 13 13-0088 Elbows** (33 61 13 13-0059)

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0089	EA	3/4"		Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,010.56 18.01	
33 61 13 13-0090	EA	1"		Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,040.26 18.43	
33 61 13 13-0091	EA	1-1/4"		Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,188.97 20.97	

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33 61 13 13-0092	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,315.49	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.88	
33 61 13 13-0093	EA	2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,448.95	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.83	
33 61 13 13-0094	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,615.59	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	24.78	
33 61 13 13-0095	EA	3" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,870.81	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	28.60	
33 61 13 13-0096	EA	4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,182.98	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	33.36	
33 61 13 13-0097	EA	5" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,695.78	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	42.90	
33 61 13 13-0098	EA	6" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,014.50	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	48.72	
33 61 13 13-0099	EA	8" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,293.91	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	70.43	
33 61 13 13-0100	EA	10" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,660.48	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	90.03	
33 61 13 13-0101	EA	12" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	7,349.29	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	119.15	

**33 61 13 13-0102 Elbows** (33 61 13 13-0099)

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0103	EA	3/4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,069.27	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.18	
33 61 13 13-0104	EA	1" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,100.35	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.63	
33 61 13 13-0105	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,257.35	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.34	
33 61 13 13-0106	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,390.09	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	24.37	
33 61 13 13-0107	EA	2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,526.66	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	25.39	
33 61 13 13-0108	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,696.41	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	26.40	
33 61 13 13-0109	EA	3" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,964.06	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	30.46	
33 61 13 13-0110	EA	4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,291.77	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	35.54	
33 61 13 13-0111	EA	5" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,835.66	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	45.69	
33 61 13 13-0112	EA	6" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,173.37	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	51.90	
33 61 13 13-0113	EA	8" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,523.58	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	75.03	
33 61 13 13-0114	EA	10" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,954.05	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	95.90	
33 61 13 13-0115	EA	12" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	7,737.84	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	126.93	

**33 61 13 13-0116 Tees** (33 61 13 13-0058)**33 61 13 13-0117 Tees** (33 61 13 13-0116)

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0118	EA	3/4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,327.90	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.25	
33 61 13 13-0119	EA	1" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,367.92	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.80	
33 61 13 13-0120	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,564.43	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	27.08	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 61	13	13	0121	EA 1-1/2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,734.30	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	29.54	
33 61	13	13	0122	EA 2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,924.29	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	30.77	
33 61	13	13	0123	EA 2-1/2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,164.08	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	32.00	
33 61	13	13	0124	EA 3" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,507.82	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	36.93	
33 61	13	13	0125	EA 4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,926.34	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	43.08	
33 61	13	13	0126	EA 5" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,598.99	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	55.39	
33 61	13	13	0127	EA 6" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,014.17	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	62.91	
33 61	13	13	0128	EA 8" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,704.47	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	90.95	
33 61	13	13	0129	EA 10" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	7,553.36	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	116.25	
33 61	13	13	0130	EA 12" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	9,780.59	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	153.86	

**33 61 13 13-0131 Tees** (33 61 13 13-0116)

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61	13	13	0132	EA 3/4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,415.09	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	24.99	
33 61	13	13	0133	EA 1" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,457.16	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	25.58	
33 61	13	13	0134	EA 1-1/4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,665.98	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	29.11	
33 61	13	13	0135	EA 1-1/2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,845.08	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	31.76	
33 61	13	13	0136	EA 2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,039.69	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	33.08	
33 61	13	13	0137	EA 2-1/2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,284.09	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	34.40	
33 61	13	13	0138	EA 3" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,646.30	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	39.70	
33 61	13	13	0139	EA 4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,087.89	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	46.31	
33 61	13	13	0140	EA 5" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,806.71	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	59.55	
33 61	13	13	0141	EA 6" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,250.09	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	67.63	
33 61	13	13	0142	EA 8" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	6,045.54	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	97.77	
33 61	13	13	0143	EA 10" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	7,989.31	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	124.97	
33 61	13	13	0144	EA 12" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	10,357.58	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	165.40	

**33 61 13 13-0145 Tees** (33 61 13 13-0116)

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61	13	13	0146	EA 3/4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,502.28	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	26.74	
33 61	13	13	0147	EA 1" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,546.41	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	27.37	
33 61	13	13	0148	EA 1-1/4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,767.54	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	31.14	
33 61	13	13	0149	EA 1-1/2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,955.86	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	33.97	

**33 Utilities****33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**
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33 61 13 13-0150	EA	2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,155.09	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	35.39	
33 61 13 13-0151	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,404.11	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	36.80	
33 61 13 13-0152	EA	3" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,784.77	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	42.47	
33 61 13 13-0153	EA	4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,249.45	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	49.54	
33 61 13 13-0154	EA	5" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,014.43	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	63.70	
33 61 13 13-0155	EA	6" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,486.02	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	72.35	
33 61 13 13-0156	EA	8" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	6,386.61	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	104.59	
33 61 13 13-0157	EA	10" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	8,425.26	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	133.69	
33 61 13 13-0158	EA	12" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	10,934.57	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	176.94	

**33 61 13 13-0159 Tees** (33 61 13 13-0159)

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0160	EA	3/4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,589.47	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	28.48	
33 61 13 13-0161	EA	1" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,635.65	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	29.15	
33 61 13 13-0162	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,869.09	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	33.17	
33 61 13 13-0163	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,066.64	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	36.19	
33 61 13 13-0164	EA	2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,270.49	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	37.70	
33 61 13 13-0165	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,524.12	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	39.20	
33 61 13 13-0166	EA	3" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,923.25	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	45.24	
33 61 13 13-0167	EA	4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,411.01	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	52.78	
33 61 13 13-0168	EA	5" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,222.14	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	67.85	
33 61 13 13-0169	EA	6" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,721.94	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	77.07	
33 61 13 13-0170	EA	8" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	6,727.67	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	111.41	
33 61 13 13-0171	EA	10" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	8,861.21	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	142.41	
33 61 13 13-0172	EA	12" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	11,511.56	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	188.48	

**33 61 13 13-0173 Reducers** (33 61 13 13-0058)**33 61 13 13-0174 Reducers** (33 61 13 13-0173)

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0175	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	749.04	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.00	
33 61 13 13-0176	EA	1" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	771.95	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.30	
33 61 13 13-0177	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	883.15	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.14	
33 61 13 13-0178	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	979.95	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.51	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 61	13	13-0179	EA	2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,091.54	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.20	
33 61	13	13-0180	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,241.59	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.89	
33 61	13	13-0181	EA	3" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,432.40	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.64	
33 61	13	13-0182	EA	4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,667.08	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	24.08	
33 61	13	13-0183	EA	5" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,044.06	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	30.96	
33 61	13	13-0184	EA	6" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,278.99	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	35.16	
33 61	13	13-0185	EA	8" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,236.90	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	50.83	
33 61	13	13-0186	EA	10" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	4,292.51	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	64.98	
33 61	13	13-0187	EA	12" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	5,550.22	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	86.00	

**33 61 13 13-0188**
**Reducers** (33 61 13 13-0173)

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61	13	13-0189	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	797.78	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.97	
33 61	13	13-0190	EA	1" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	821.83	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.30	
33 61	13	13-0191	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	939.91	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.27	
33 61	13	13-0192	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,041.87	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.75	
33 61	13	13-0193	EA	2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,156.04	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.49	
33 61	13	13-0194	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,308.67	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.23	
33 61	13	13-0195	EA	3" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,509.80	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.19	
33 61	13	13-0196	EA	4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,757.38	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	25.89	
33 61	13	13-0197	EA	5" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,160.15	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	33.28	
33 61	13	13-0198	EA	6" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,410.86	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	37.80	
33 61	13	13-0199	EA	8" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,427.53	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	54.65	
33 61	13	13-0200	EA	10" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,536.17	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	69.85	
33 61	13	13-0201	EA	12" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,872.71	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	92.45	

**33 61 13 13-0202**
**Reducers** (33 61 13 13-0173)

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61	13	13-0203	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	846.51	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.94	
33 61	13	13-0204	EA	1" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	871.71	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.30	
33 61	13	13-0205	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	996.67	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.41	
33 61	13	13-0206	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,103.79	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.99	
33 61	13	13-0207	EA	2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,220.54	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.78	

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33 61 13 13-0208	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,375.75
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.57
33 61 13 13-0209	EA	3" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,587.19
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.74
33 61 13 13-0210	EA	4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,847.68
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	27.69
33 61 13 13-0211	EA	5" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,276.25
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	35.60
33 61 13 13-0212	EA	6" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,542.72
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	40.44
33 61 13 13-0213	EA	8" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,618.16
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	58.46
33 61 13 13-0214	EA	10" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,779.83
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	74.72
33 61 13 13-0215	EA	12" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	6,195.21
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	98.90
<b>33 61 13 13-0216</b>		<b>Reducers</b> <small>(33 61 13 13-0173)</small>	
		Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.	
33 61 13 13-0217	EA	3/4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	895.24
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.92
33 61 13 13-0218	EA	1" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	921.59
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.29
33 61 13 13-0219	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,053.43
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.54
33 61 13 13-0220	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,165.71
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.23
33 61 13 13-0221	EA	2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,285.04
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	21.07
33 61 13 13-0222	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,442.83
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	21.91
33 61 13 13-0223	EA	3" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,664.59
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	25.28
33 61 13 13-0224	EA	4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,937.98
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	29.50
33 61 13 13-0225	EA	5" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,392.35
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	37.93
33 61 13 13-0226	EA	6" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,674.58
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	43.08
33 61 13 13-0227	EA	8" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,808.78
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	62.27
33 61 13 13-0228	EA	10" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,023.49
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	79.60
33 61 13 13-0229	EA	12" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	6,517.70
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	105.35
<b>33 61 13 13-0230</b>		<b>Preinsulated Type K Copper Pipe</b> <small>(33 61 13 13)</small>	
		Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.	
<b>33 61 13 13-0231</b>		<b>Type K Copper Carrier Pipe</b> <small>(33 61 13 13-0230)</small>	
		Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.	
33 61 13 13-0232	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	45.12
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.41
33 61 13 13-0233	LF	1" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	49.12
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.45
33 61 13 13-0234	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	53.60
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.51
33 61 13 13-0235	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	57.05
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.54
33 61 13 13-0236	LF	2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	60.12
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.57

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33 61 13 13-0237	LF			2-1/2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	70.09	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	0.62	
33 61 13 13-0238	LF			3" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	81.19	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	0.67	
33 61 13 13-0239	LF			4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	102.93	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	0.84	
33 61 13 13-0240	LF			5" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	128.36	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	1.07	
33 61 13 13-0241	LF			6" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	149.81	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	1.25	
33 61 13 13-0242	LF			8" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	196.42	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	1.82	
33 61 13 13-0243	LF			10" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	245.53	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	2.40	
33 61 13 13-0244	LF			12" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	304.17	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	2.99	

**33 61 13 13-0245 Type K Copper Carrier Pipe** (33 61 13 13-0230)

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0246	LF			3/4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	47.16	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	0.45	
33 61 13 13-0247	LF			1" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	51.36	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	0.49	
33 61 13 13-0248	LF			1-1/4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	56.13	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	0.56	
33 61 13 13-0249	LF			1-1/2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	59.77	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	0.60	
33 61 13 13-0250	LF			2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	62.96	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	0.63	
33 61 13 13-0251	LF			2-1/2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	73.17	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	0.68	
33 61 13 13-0252	LF			3" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	84.53	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	0.73	
33 61 13 13-0253	LF			4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	107.13	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	0.92	
33 61 13 13-0254	LF			5" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	133.73	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	1.18	
33 61 13 13-0255	LF			6" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	156.04	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	1.37	
33 61 13 13-0256	LF			8" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	205.50	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	2.00	
33 61 13 13-0257	LF			10" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	257.50	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	2.64	
33 61 13 13-0258	LF			12" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	319.11	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	3.29	

**33 61 13 13-0259 Type K Copper Carrier Pipe** (33 61 13 13-0230)

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0260	LF			3/4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	48.19	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	0.47	
33 61 13 13-0261	LF			1" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	52.49	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	0.52	
33 61 13 13-0262	LF			1-1/4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	57.40	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	0.58	
33 61 13 13-0263	LF			1-1/2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	61.13	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	0.63	
33 61 13 13-0264	LF			2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	64.38	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	0.65	
33 61 13 13-0265	LF			2-1/2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	74.72	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	0.71	

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33 61 13 13-0266	LF	3" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	86.20	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.77	
33 61 13 13-0267	LF	4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	109.23	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.97	
33 61 13 13-0268	LF	5" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	136.42	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.24	
33 61 13 13-0269	LF	6" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	159.16	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.43	
33 61 13 13-0270	LF	8" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	210.04	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.09	
33 61 13 13-0271	LF	10" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	263.49	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.76	
33 61 13 13-0272	LF	12" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	326.58	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.44	
<b>33 61 13 13-0273</b>		<b>Type K Copper Carrier Pipe</b> <small>(33 61 13 13-0230)</small>		
		Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 13-0274	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	49.72	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.50	
33 61 13 13-0275	LF	1" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	54.17	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.55	
33 61 13 13-0276	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	59.29	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.62	
33 61 13 13-0277	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	63.16	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.67	
33 61 13 13-0278	LF	2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	66.51	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.70	
33 61 13 13-0279	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	77.03	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.76	
33 61 13 13-0280	LF	3" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	88.70	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.82	
33 61 13 13-0281	LF	4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	112.38	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.03	
33 61 13 13-0282	LF	5" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	140.45	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.32	
33 61 13 13-0283	LF	6" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	163.84	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.53	
33 61 13 13-0284	LF	8" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	216.85	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.22	
33 61 13 13-0285	LF	10" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	272.48	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.94	
33 61 13 13-0286	LF	12" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	337.79	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.66	
<b>33 61 13 13-0287</b>		<b>Preinsulated Copper Fittings</b> <small>(33 61 13 13)</small>		
<b>33 61 13 13-0288</b>		<b>Elbows</b> <small>(33 61 13 13-0287)</small>		
<b>33 61 13 13-0289</b>		<b>Elbows</b> <small>(33 61 13 13-0288)</small>		
		Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 13-0290	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	328.86	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.66	
33 61 13 13-0291	EA	1" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	341.76	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.77	
33 61 13 13-0292	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	393.43	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.43	
33 61 13 13-0293	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	445.23	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.92	
33 61 13 13-0294	EA	2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	532.18	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.17	
33 61 13 13-0295	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	647.94	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.41	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 61 13 13-0296	EA			3" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	753.44	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	7.40	
33 61 13 13-0297	EA			4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	879.32	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	8.63	
33 61 13 13-0298	EA			5" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,034.11	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	11.10	
33 61 13 13-0299	EA			6" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,133.39	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	12.61	
33 61 13 13-0300	EA			8" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,582.82	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	18.23	
33 61 13 13-0301	EA			10" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	2,172.66	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	23.30	
33 61 13 13-0302	EA			12" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	2,751.78	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	30.83	

**33 61 13 13-0303 Elbows** (33 61 13 13-0298)

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0304	EA			3/4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	346.33	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	5.01	
33 61 13 13-0305	EA			1" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	359.64	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	5.13	
33 61 13 13-0306	EA			1-1/4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	413.78	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	5.83	
33 61 13 13-0307	EA			1-1/2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	467.43	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	6.36	
33 61 13 13-0308	EA			2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	555.30	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	6.63	
33 61 13 13-0309	EA			2-1/2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	671.99	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	6.89	
33 61 13 13-0310	EA			3" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	781.19	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	7.96	
33 61 13 13-0311	EA			4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	911.69	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	9.28	
33 61 13 13-0312	EA			5" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,075.74	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	11.93	
33 61 13 13-0313	EA			6" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,180.67	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	13.55	
33 61 13 13-0314	EA			8" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,651.17	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	19.59	
33 61 13 13-0315	EA			10" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	2,260.02	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	25.04	
33 61 13 13-0316	EA			12" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	2,867.41	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	33.15	

**33 61 13 13-0317 Elbows** (33 61 13 13-0298)

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0318	EA			3/4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	363.80	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	5.36	
33 61 13 13-0319	EA			1" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	377.53	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	5.48	
33 61 13 13-0320	EA			1-1/4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	434.13	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	6.24	
33 61 13 13-0321	EA			1-1/2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	489.63	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	6.81	
33 61 13 13-0322	EA			2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	578.43	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	7.09	
33 61 13 13-0323	EA			2-1/2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	696.04	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	7.38	
33 61 13 13-0324	EA			3" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	808.94	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	8.51	

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33 61 13 13-0325	EA	4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	944.07	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.93	
33 61 13 13-0326	EA	5" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,117.36	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.77	
33 61 13 13-0327	EA	6" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,228.19	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.50	
33 61 13 13-0328	EA	8" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,719.38	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.96	
33 61 13 13-0329	EA	10" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,346.97	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	26.79	
33 61 13 13-0330	EA	12" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,983.33	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	35.46	
<b>33 61 13 13-0331</b>		<b>Elbows</b> <small>(33 61 13 13-0288)</small>		
		Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 13-0332	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	381.28	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.71	
33 61 13 13-0333	EA	1" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	395.41	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.84	
33 61 13 13-0334	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	454.48	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.65	
33 61 13 13-0335	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	511.83	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.25	
33 61 13 13-0336	EA	2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	601.56	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.55	
33 61 13 13-0337	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	720.09	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.86	
33 61 13 13-0338	EA	3" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	836.69	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.07	
33 61 13 13-0339	EA	4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	976.44	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.58	
33 61 13 13-0340	EA	5" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,158.99	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.60	
33 61 13 13-0341	EA	6" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,275.47	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.44	
33 61 13 13-0342	EA	8" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,787.73	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.33	
33 61 13 13-0343	EA	10" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,434.34	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	28.54	
33 61 13 13-0344	EA	12" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,098.96	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	37.77	
<b>33 61 13 13-0345</b>		<b>Tees</b> <small>(33 61 13 13-0287)</small>		
<b>33 61 13 13-0346</b>		<b>Tees</b> <small>(33 61 13 13-0345)</small>		
		Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 13-0347	EA	3/4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	489.75	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.92	
33 61 13 13-0348	EA	1" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	508.92	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.08	
33 61 13 13-0349	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	585.91	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.06	
33 61 13 13-0350	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	663.22	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.79	
33 61 13 13-0351	EA	2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	793.20	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.16	
33 61 13 13-0352	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	966.55	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.52	
33 61 13 13-0353	EA	3" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,124.63	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.99	

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33 61 13 13-0354	EA	4"	Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,312.55	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.82	
33 61 13 13-0355	EA	5"	Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,545.44	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.48	
33 61 13 13-0356	EA	6"	Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,691.25	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.72	
33 61 13 13-0357	EA	8"	Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,359.17	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	27.07	
33 61 13 13-0358	EA	10"	Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,243.22	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	34.60	
33 61 13 13-0359	EA	12"	Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,104.54	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	45.79	

**33 61 13 13-0360**

**Tees** (33 61 13 13-0345)

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0361	EA	3/4"	Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	515.69	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.44	
33 61 13 13-0362	EA	1"	Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	535.47	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.61	
33 61 13 13-0363	EA	1-1/4"	Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	616.13	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.66	
33 61 13 13-0364	EA	1-1/2"	Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	696.19	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.45	
33 61 13 13-0365	EA	2"	Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	827.55	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.84	
33 61 13 13-0366	EA	2-1/2"	Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,002.26	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.24	
33 61 13 13-0367	EA	3"	Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,165.84	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.81	
33 61 13 13-0368	EA	4"	Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,360.63	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.78	
33 61 13 13-0369	EA	5"	Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,607.26	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.72	
33 61 13 13-0370	EA	6"	Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,761.46	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.13	
33 61 13 13-0371	EA	8"	Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,460.67	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	29.10	
33 61 13 13-0372	EA	10"	Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,372.96	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	37.19	
33 61 13 13-0373	EA	12"	Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,276.25	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	49.22	

**33 61 13 13-0374**

**Tees** (33 61 13 13-0345)

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0375	EA	3/4"	Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	541.64	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.96	
33 61 13 13-0376	EA	1"	Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	562.03	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.14	
33 61 13 13-0377	EA	1-1/4"	Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	646.35	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.27	
33 61 13 13-0378	EA	1-1/2"	Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	729.15	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.11	
33 61 13 13-0379	EA	2"	Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	861.89	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.53	
33 61 13 13-0380	EA	2-1/2"	Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,037.98	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.95	
33 61 13 13-0381	EA	3"	Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,207.05	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.64	
33 61 13 13-0382	EA	4"	Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,408.70	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.74	

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33 61 13 13-0383	EA	5" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,669.07	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.96	
33 61 13 13-0384	EA	6" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,832.03	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	21.53	
33 61 13 13-0385	EA	8" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,561.20	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	31.13	
33 61 13 13-0386	EA	10" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,500.37	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	39.79	
33 61 13 13-0387	EA	12" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,450.63	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	52.66	
<b>33 61 13 13-0388</b>		<b>Tees</b> <small>(33 61 13 13-0345)</small>		
		Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 13-0389	EA	3/4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	567.59	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.48	
33 61 13 13-0390	EA	1" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	588.59	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.68	
33 61 13 13-0391	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	676.57	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.87	
33 61 13 13-0392	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	762.12	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.77	
33 61 13 13-0393	EA	2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	896.23	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.22	
33 61 13 13-0394	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,073.69	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.67	
33 61 13 13-0395	EA	3" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,248.26	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.46	
33 61 13 13-0396	EA	4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,456.78	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.71	
33 61 13 13-0397	EA	5" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,730.88	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.19	
33 61 13 13-0398	EA	6" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,902.24	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.94	
33 61 13 13-0399	EA	8" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,662.70	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	33.16	
33 61 13 13-0400	EA	10" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,630.11	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	42.38	
33 61 13 13-0401	EA	12" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,622.33	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	56.09	
<b>33 61 13 13-0402</b>		<b>Reducers</b> <small>(33 61 13 13-0287)</small>		
<b>33 61 13 13-0403</b>		<b>Reducers</b> <small>(33 61 13 13-0402)</small>		
		Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 13-0404	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	279.69	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.87	
33 61 13 13-0405	EA	1" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	290.86	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.96	
33 61 13 13-0406	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	335.09	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.50	
33 61 13 13-0407	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	379.91	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.91	
33 61 13 13-0408	EA	2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	457.27	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.12	
33 61 13 13-0409	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	568.07	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.32	
33 61 13 13-0410	EA	3" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	655.28	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.14	
33 61 13 13-0411	EA	4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	760.97	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.17	



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33 61 13 13-0412	EA			5" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	892.04	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	9.21	
33 61 13 13-0413	EA			6" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	976.10	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	10.46	
33 61 13 13-0414	EA			8" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,360.84	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	15.13	
33 61 13 13-0415	EA			10" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,874.38	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	19.34	
33 61 13 13-0416	EA			12" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	2,366.84	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	25.59	

### 33 61 13 13-0417 Reducers (33 61 13 13-0402)

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0418	EA			3/4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	294.20	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	4.16	
33 61 13 13-0419	EA			1" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	305.71	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	4.26	
33 61 13 13-0420	EA			1-1/4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	351.98	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	4.84	
33 61 13 13-0421	EA			1-1/2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	398.34	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	5.28	
33 61 13 13-0422	EA			2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	476.47	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	5.50	
33 61 13 13-0423	EA			2-1/2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	588.03	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	5.72	
33 61 13 13-0424	EA			3" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	678.31	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	6.60	
33 61 13 13-0425	EA			4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	787.84	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	7.70	
33 61 13 13-0426	EA			5" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	926.59	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	9.90	
33 61 13 13-0427	EA			6" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,015.34	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	11.25	
33 61 13 13-0428	EA			8" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,417.57	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	16.26	
33 61 13 13-0429	EA			10" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,946.89	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	20.79	
33 61 13 13-0430	EA			12" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	2,462.81	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	27.51	

### 33 61 13 13-0431 Reducers (33 61 13 13-0402)

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0432	EA			3/4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	308.70	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	4.45	
33 61 13 13-0433	EA			1" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	320.55	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	4.55	
33 61 13 13-0434	EA			1-1/4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	368.87	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	5.18	
33 61 13 13-0435	EA			1-1/2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	416.77	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	5.65	
33 61 13 13-0436	EA			2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	495.66	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	5.89	
33 61 13 13-0437	EA			2-1/2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	607.99	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	6.12	
33 61 13 13-0438	EA			3" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	701.34	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	7.06	
33 61 13 13-0439	EA			4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	814.71	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	8.24	
33 61 13 13-0440	EA			5" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	961.14	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	10.60	

**33 Utilities****33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**
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33 61 13 13-0441	EA	6" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,054.77	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.03	
33 61 13 13-0442	EA	8" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,473.96	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.40	
33 61 13 13-0443	EA	10" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,019.06	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.24	
33 61 13 13-0444	EA	12" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,559.01	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	29.43	
<b>33 61 13 13-0445</b>		<b>Reducers</b> <small>(33 61 13 13-0402)</small>		
		Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 13-0446	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	323.20	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.74	
33 61 13 13-0447	EA	1" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	335.39	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.85	
33 61 13 13-0448	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	385.76	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.52	
33 61 13 13-0449	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	435.19	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.02	
33 61 13 13-0450	EA	2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	514.85	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.27	
33 61 13 13-0451	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	627.95	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.52	
33 61 13 13-0452	EA	3" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	724.38	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.52	
33 61 13 13-0453	EA	4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	841.59	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.78	
33 61 13 13-0454	EA	5" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	995.69	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.29	
33 61 13 13-0455	EA	6" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,094.01	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.82	
33 61 13 13-0456	EA	8" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,530.69	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.53	
33 61 13 13-0457	EA	10" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,091.57	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.69	
33 61 13 13-0458	EA	12" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,654.98	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	31.35	
<b>33 61 13 13-0459</b>		<b>Preinsulated Ductile Iron Carrier Pipe</b> <small>(33 61 13 13)</small>		
		Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.		
<b>33 61 13 13-0460</b>		<b>Ductile Iron Carrier Pipe</b> <small>(33 61 13 13-0459)</small>		
		Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 13-0461	LF	4" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	151.32	
33 61 13 13-0462	LF	6" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	221.22	
33 61 13 13-0463	LF	8" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	297.13	
33 61 13 13-0464	LF	10" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	376.37	
33 61 13 13-0465	LF	12" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	467.08	
<b>33 61 13 13-0466</b>		<b>Ductile Iron Carrier Pipe</b> <small>(33 61 13 13-0459)</small>		
		Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 13-0467	LF	4" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	160.55	
33 61 13 13-0468	LF	6" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	234.93	
33 61 13 13-0469	LF	8" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	317.09	
33 61 13 13-0470	LF	10" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	402.71	
33 61 13 13-0471	LF	12" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	499.93	
33 61 13 13-0472	LF	14" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	546.49	
33 61 13 13-0473	LF	16" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	614.62	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 61	13	13-0474	LF	18" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	690.45	
33 61	13	13-0475	LF	20" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	758.99	
33 61	13	13-0476	LF	24" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	896.32	

**33 61 13 13-0477 Preinsulated Ductile Iron Fittings** (33 61 13 13)

**33 61 13 13-0478 Elbows** (33 61 13 13-0477)

**33 61 13 13-0479 Elbows** (33 61 13 13-0478)

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61	13	13-0480	EA	4" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	1,332.13	
33 61	13	13-0481	EA	6" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	1,771.99	
33 61	13	13-0482	EA	8" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	2,497.68	
33 61	13	13-0483	EA	10" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	3,364.55	
33 61	13	13-0484	EA	12" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	4,310.56	

**33 61 13 13-0485 Elbows** (33 61 13 13-0478)

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61	13	13-0486	EA	4" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	1,446.17	
33 61	13	13-0487	EA	6" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	1,938.53	
33 61	13	13-0488	EA	8" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	2,738.44	
33 61	13	13-0489	EA	10" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	3,672.29	
33 61	13	13-0490	EA	12" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	4,717.86	
33 61	13	13-0491	EA	14" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	5,737.29	
33 61	13	13-0492	EA	16" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	6,779.43	
33 61	13	13-0493	EA	18" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	8,460.87	
33 61	13	13-0494	EA	20" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	10,735.58	
33 61	13	13-0495	EA	24" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	13,916.40	

**33 61 13 13-0496 Tees** (33 61 13 13-0477)

**33 61 13 13-0497 Tees** (33 61 13 13-0496)

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61	13	13-0498	EA	4" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	1,985.95	
33 61	13	13-0499	EA	6" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	2,640.90	
33 61	13	13-0500	EA	8" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	3,719.20	
33 61	13	13-0501	EA	10" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	5,015.80	
33 61	13	13-0502	EA	12" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	6,422.05	

**33 61 13 13-0503 Tees** (33 61 13 13-0496)

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61	13	13-0504	EA	4" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	2,155.30	
33 61	13	13-0505	EA	6" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	2,888.21	
33 61	13	13-0506	EA	8" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	4,076.73	
33 61	13	13-0507	EA	10" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	5,472.79	
33 61	13	13-0508	EA	12" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	7,026.89	
33 61	13	13-0509	EA	14" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	8,383.00	
33 61	13	13-0510	EA	16" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	9,908.85	
33 61	13	13-0511	EA	18" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	12,368.16	
33 61	13	13-0512	EA	20" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	15,701.44	
33 61	13	13-0513	EA	24" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	20,349.08	

**33 Utilities****33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

33 61 13 13-0514		<b>Reducers</b> <small>(33 61 13 13-0477)</small>		
33 61 13 13-0515		<b>Reducers</b> <small>(33 61 13 13-0514)</small>		
		Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 13-0516	EA	4" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket .....	1,141.48	
33 61 13 13-0517	EA	6" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket .....	1,511.44	
33 61 13 13-0518	EA	8" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket .....	2,127.29	
33 61 13 13-0519	EA	10" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket .....	2,874.21	
33 61 13 13-0520	EA	12" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket .....	3,673.06	
33 61 13 13-0521		<b>Reducers</b> <small>(33 61 13 13-0514)</small>		
		Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 13-0522	EA	4" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket .....	1,236.14	
33 61 13 13-0523	EA	6" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket .....	1,649.67	
33 61 13 13-0524	EA	8" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket .....	2,327.12	
33 61 13 13-0525	EA	10" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket .....	3,129.63	
33 61 13 13-0526	EA	12" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket .....	4,011.11	
33 61 13 13-0527	EA	14" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket .....	4,779.75	
33 61 13 13-0528	EA	16" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket .....	5,642.31	
33 61 13 13-0529	EA	18" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket .....	6,997.82	
33 61 13 13-0530	EA	20" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket .....	8,940.93	
33 61 13 13-0531	EA	24" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket .....	11,617.67	
33 61 13 13-0532		<b>Tempered Water Piping Pre-Insulated</b> <small>(33 61 13 13)</small>		
33 61 13 13-0533		<b>Fiberglass Reinforced Polyester (FRP) Carrier And Casing, 1" Polyurethane Insulation</b> <small>(33 61 13 13-0532)</small>		
33 61 13 13-0534	LF	4" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation .....	119.30	21.30
33 61 13 13-0535	LF	6" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation .....	151.57	24.12
33 61 13 13-0536	LF	8" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation .....	212.94	26.55
33 61 13 13-0537	LF	10" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation .....	293.20	33.18
33 61 13 13-0538	LF	12" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation .....	375.21	40.93
33 61 13 13-0539		<b>Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing, 1" Polyurethane Insulation</b> <small>(33 61 13 13-0532)</small>		
33 61 13 13-0540	LF	4" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation .....	61.11	24.12
33 61 13 13-0541	LF	6" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation .....	69.42	24.12
33 61 13 13-0542	LF	8" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation .....	77.16	24.12
33 61 13 13-0543	LF	10" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation .....	92.83	28.52
33 61 13 13-0544	LF	12" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation .....	111.59	36.19
33 61 13 13-0545		<b>Polyvinyl Chloride (PVC) Carrier And Casing, 1" Polyurethane Insulation</b> <small>(33 61 13 13-0532)</small>		
33 61 13 13-0546	LF	4" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation .....	61.11	24.12
33 61 13 13-0547	LF	6" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation .....	69.42	24.12
33 61 13 13-0548	LF	8" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation .....	77.16	24.12
33 61 13 13-0549	LF	10" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation .....	92.83	28.52
33 61 13 13-0550	LF	12" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation .....	111.59	36.19

**33 70 Electrical Utilities** (33)**33 71 Electrical Utility Transmission and Distribution** (33 70)**33 71 19 Electrical Underground Ducts, Ductbanks and Manholes** (33 71)

Note: Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

**33 71 19 13 Electrical Manholes and Handholes** (33 71 19)**33 71 19 13-0001 Electrical Handholes And Pull Boxes** (33 71 19 13)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>33 71 19 13-002</b>	<b>Electrical Pull Boxes</b> (33 71 19 13-0001) See CSI section 33 05 63 00-0427 for handholes.				
33 71 19 13-0003	EA		24" x 36" x 24", Electric Pull Boxes, Precast Concrete .....	1,742.26	
33 71 19 13-0004	EA		24" x 36" x 36", Electric Pull Boxes, Precast Concrete .....	2,070.83	
33 71 19 13-0005	EA		30" x 48" x 36", Electric Pull Boxes, Precast Concrete .....	2,383.43	
33 71 19 13-0006	EA		36" x 72" x 24", Electric Pull Boxes, Precast Concrete .....	3,629.93	
33 71 19 13-0007	EA		36" x 60" x 36", Electric Pull Boxes, Precast Concrete .....	3,854.80	
33 71 19 13-0008	EA		48" x 48" x 36", Electric Pull Boxes, Precast Concrete .....	4,137.15	
33 71 19 13-0009	EA		48" x 60" x 48", Electric Pull Boxes, Precast Concrete .....	4,753.86	

<b>33 71 19 13-0010</b>	<b>Electrical Pull Boxes (CALTRANS)</b> (33 71 19 13-0001)				
33 71 19 13-0011	EA		Body, CALTRANS 3-1/2 Precast Concrete Pull Box .....	118.87	
33 71 19 13-0012	EA		Concrete Cover, CALTRANS 3-1/2 Precast Concrete Pull Box .....	46.38	
33 71 19 13-0013	EA		Bolt Down Concrete Cover, CALTRANS 3-1/2 Precast Concrete Pull Box .....	71.77	
33 71 19 13-0014	EA		Bolt Down Cast Iron Cover, CALTRANS 3-1/2 Precast Concrete Pull Box .....	149.51	
33 71 19 13-0015	EA		Bolt Down Steel Cover, CALTRANS 3-1/2 Precast Concrete Pull Box .....	230.11	
			<i>For Galvanized Steel Cover, Add</i>	39.02	
33 71 19 13-0016	EA		12" Extension, CALTRANS 3-1/2 Precast Concrete Pull Box .....	59.37	
33 71 19 13-0017	EA		Flat Plate Base, CALTRANS 3-1/2 Precast Concrete Pull Box .....	59.37	
33 71 19 13-0018	EA		Body, CALTRANS 5 Precast Concrete Pull Box .....	170.43	
33 71 19 13-0019	EA		Concrete Cover, CALTRANS 5 Precast Concrete Pull Box .....	61.65	
33 71 19 13-0020	EA		Bolt Down Concrete Cover, CALTRANS 5 Precast Concrete Pull Box .....	87.03	
33 71 19 13-0021	EA		Bolt Down Steel Cover, CALTRANS 5 Precast Concrete Pull Box .....	304.52	
			<i>For Galvanized Steel Cover, Add</i>	71.54	
33 71 19 13-0022	EA		12" Extension, CALTRANS 5 Precast Concrete Pull Box .....	83.22	
33 71 19 13-0023	EA		Flat Plate Base, CALTRANS 5 Precast Concrete Pull Box .....	77.97	
33 71 19 13-0024	EA		Body, CALTRANS 6 Precast Concrete Pull Box .....	185.69	
33 71 19 13-0025	EA		Concrete Cover, CALTRANS 6 Precast Concrete Pull Box .....	82.15	
33 71 19 13-0026	EA		Bolt Down Concrete Cover, CALTRANS 6 Precast Concrete Pull Box .....	107.54	
33 71 19 13-0027	EA		Bolt Down Steel Cover, CALTRANS 6 Precast Concrete Pull Box .....	417.07	
			<i>For Galvanized Steel Cover, Add</i>	100.16	
33 71 19 13-0028	EA		12" Extension, CALTRANS 6 Precast Concrete Pull Box .....	98.48	
33 71 19 13-0029	EA		Flat Plate Base, CALTRANS 6 Precast Concrete Pull Box .....	92.76	
33 71 19 13-0030	EA		6" Return Flat Plate Base, CALTRANS 6 Precast Concrete Pull Box .....	127.10	
33 71 19 13-0031	EA		Body, CALTRANS 3-1/2-T Precast Concrete Pull Box .....	258.61	
33 71 19 13-0032	EA		Bolt Down Concrete Cover, CALTRANS 3-1/2-T Precast Concrete Pull Box .....	365.56	
33 71 19 13-0033	EA		12" Extension, CALTRANS 3-1/2-T Precast Concrete Pull Box .....	117.56	
33 71 19 13-0034	EA		Flat Plate Base, CALTRANS 3-1/2-T Precast Concrete Pull Box .....	108.02	
33 71 19 13-0035	EA		Body, CALTRANS 5-T Precast Concrete Pull Box .....	338.31	
33 71 19 13-0036	EA		Bolt Down Concrete Cover, CALTRANS 5-T Precast Concrete Pull Box .....	527.72	
33 71 19 13-0037	EA		12" Extension, CALTRANS 5-T Precast Concrete Pull Box .....	140.45	
33 71 19 13-0038	EA		Flat Plate Base, CALTRANS 5-T Precast Concrete Pull Box .....	136.64	
33 71 19 13-0039	EA		Body, CALTRANS 6-T Precast Concrete Pull Box .....	477.57	
33 71 19 13-0040	EA		Bolt Down Concrete Cover, CALTRANS 6-T Precast Concrete Pull Box .....	737.57	
33 71 19 13-0041	EA		12" Extension, CALTRANS 6-T Precast Concrete Pull Box .....	235.84	
33 71 19 13-0042	EA		Flat Plate Base, CALTRANS 6-T Precast Concrete Pull Box .....	184.33	

<b>33 71 19 13-0043</b>	<b>Electrical Property Line Boxes</b> (33 71 19 13)				
33 71 19 13-0044	EA		3'-6" x 2'-9" x 2' Deep Property Line Box .....	3,246.81	388.46
33 71 19 13-0045	EA		4'-6" x 3'-6" x 4' Deep Property Line Box .....	3,780.02	402.84
33 71 19 13-0046	EA		6' x 4' x 5' Deep Property Line Box .....	4,178.79	489.16
33 71 19 13-0047	EA		11'-6" x 4'-6" x 6' Deep Property Line Box .....	6,378.56	719.37

<b>33 71 19 13-0048</b>	<b>Manhole Accessories</b> (33 71 19 13)				
33 71 19 13-0049	EA		6" Precast Grade Ring Riser Casting .....	468.10	
33 71 19 13-0050	EA		12" Precast Grade Ring Riser Casting .....	506.93	
33 71 19 13-0051	EA		36" Opening Cast Iron Frame And Cover (NEENAH #R-1640-D) .....	2,414.90	
33 71 19 13-0052	EA		42" Opening Cast Iron Frame And Cover (NEENAH #R-1740-E1) .....	3,157.78	
33 71 19 13-0053	EA		Cast Iron Adjusting Ring (NEENAH #R-1979) .....	990.66	
33 71 19 13-0054	EA		Cast Iron Frame And Cover (NEENAH #R-1640-B) .....	1,271.31	

**33 71 19 23 Trenched Electrical Underground Duct and Ductbanks** (33 71 19)

<b>33 71 19 23-0001</b>	<b>Underground Electrical Concrete Markers</b> (33 71 19 23)				
33 71 19 23-0002	EA		36" x 6" x 6", Underground Electric Concrete Marker .....	327.04	

**END OF SECTION 33**

**33 Utilities**

**33 70 Electrical Utilities**

33 71 Electrical Utility Transmission and Distribution



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

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MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 40 Process Interconnections

### 40 05 Common Work Results For Process Interconnections <sup>(40)</sup>

#### 40 05 19 Ductile Iron Process Pipe <sup>(40 05)</sup>

40 05 19 00-0001	<b>Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Piping</b> <sup>(40 05 19)</sup> <small>Note: C110 Fittings, 350 PSI rating for 2" - 24" sizes, 250 PSI rating for 30" - 48" sizes. Pipe barrels conform to ANSI/AWWA C151/A21.51. The bolt holes are aligned per ANSI/AWWA C115/A21.15. Flanged fittings conform to ANSI/AWWA C110/A21.10. Interiors shall be cement lined in accordance with ANSI/AWWA C104/A21.04. Exterior shall be bituminous coating, in accordance with ANSI/AWWA C104/A21.04. See CSI section 40 05 19 00-2059 for bolts, 40 05 19 00-2074 for gaskets.</small>		
40 05 19 00-0002	<b>Flanged End (FxF), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <sup>(40 05 19 00-0001)</sup>		
40 05 19 00-0003	<b>4" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <sup>(40 05 19 00-0002)</sup>		
40 05 19 00-0004	EA 4" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	659.07	214.57
	For Class 52 Rating, Deduct	-36.74	
	For Class 54 Rating, Add	54.00	
	For Class 55 Rating, Add	82.28	
	For Class 56 Rating, Add	110.22	
40 05 19 00-0005	EA 4" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	700.49	218.33
	For Class 52 Rating, Deduct	-40.67	
	For Class 54 Rating, Add	59.42	
	For Class 55 Rating, Add	90.38	
	For Class 56 Rating, Add	120.97	
40 05 19 00-0006	EA 4" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	741.91	222.08
	For Class 52 Rating, Deduct	-44.60	
	For Class 54 Rating, Add	64.85	
	For Class 55 Rating, Add	98.48	
	For Class 56 Rating, Add	131.71	
40 05 19 00-0007	EA 4" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	783.32	225.83
	For Class 52 Rating, Deduct	-48.53	
	For Class 54 Rating, Add	70.28	
	For Class 55 Rating, Add	106.59	
	For Class 56 Rating, Add	142.46	
40 05 19 00-0008	EA 4" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	824.74	229.58
	For Class 52 Rating, Deduct	-52.46	
	For Class 54 Rating, Add	75.71	
	For Class 55 Rating, Add	114.69	
	For Class 56 Rating, Add	153.21	
40 05 19 00-0009	EA 4" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	866.16	233.33
	For Class 52 Rating, Deduct	-56.39	
	For Class 54 Rating, Add	81.14	
	For Class 55 Rating, Add	122.80	
	For Class 56 Rating, Add	163.95	
40 05 19 00-0010	EA 4" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	907.57	237.09
	For Class 52 Rating, Deduct	-60.32	
	For Class 54 Rating, Add	86.56	
	For Class 55 Rating, Add	130.90	
	For Class 56 Rating, Add	174.70	
40 05 19 00-0011	EA 4" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	948.99	240.84
	For Class 52 Rating, Deduct	-64.25	
	For Class 54 Rating, Add	91.99	
	For Class 55 Rating, Add	139.01	
	For Class 56 Rating, Add	185.44	
40 05 19 00-0012	EA 4" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	990.41	244.58
	For Class 52 Rating, Deduct	-68.18	
	For Class 54 Rating, Add	97.42	
	For Class 55 Rating, Add	147.11	
	For Class 56 Rating, Add	196.19	
40 05 19 00-0013	EA 4" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,031.82	248.34
	For Class 52 Rating, Deduct	-72.11	
	For Class 54 Rating, Add	102.85	
	For Class 55 Rating, Add	155.22	
	For Class 56 Rating, Add	206.93	
40 05 19 00-0014	EA 4" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,073.24	252.09
	For Class 52 Rating, Deduct	-76.04	
	For Class 54 Rating, Add	108.28	
	For Class 55 Rating, Add	163.32	
	For Class 56 Rating, Add	217.68	
40 05 19 00-0015	EA 4" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,114.66	255.84
	For Class 52 Rating, Deduct	-79.97	
	For Class 54 Rating, Add	113.70	
	For Class 55 Rating, Add	171.43	
	For Class 56 Rating, Add	228.43	
40 05 19 00-0016	EA 4" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,156.07	259.59
	For Class 52 Rating, Deduct	-83.90	
	For Class 54 Rating, Add	119.13	
	For Class 55 Rating, Add	179.53	
	For Class 56 Rating, Add	239.17	
40 05 19 00-0017	EA 4" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,197.49	263.34
	For Class 52 Rating, Deduct	-87.83	
	For Class 54 Rating, Add	124.56	
	For Class 55 Rating, Add	187.64	
	For Class 56 Rating, Add	249.92	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

40 05 19 00-0018	EA	4" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,238.90	267.10
		<i>For Class 52 Rating, Deduct</i>	-91.76	
		<i>For Class 54 Rating, Add</i>	129.99	
		<i>For Class 55 Rating, Add</i>	195.74	
		<i>For Class 56 Rating, Add</i>	260.66	
40 05 19 00-0019	EA	4" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,280.31	270.84
		<i>For Class 52 Rating, Deduct</i>	-95.69	
		<i>For Class 54 Rating, Add</i>	135.42	
		<i>For Class 55 Rating, Add</i>	203.85	
		<i>For Class 56 Rating, Add</i>	271.41	
40 05 19 00-0020	EA	4" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,321.74	274.60
		<i>For Class 52 Rating, Deduct</i>	-99.62	
		<i>For Class 54 Rating, Add</i>	140.84	
		<i>For Class 55 Rating, Add</i>	211.95	
		<i>For Class 56 Rating, Add</i>	282.15	
40 05 19 00-0021	EA	4" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,363.16	278.35
		<i>For Class 52 Rating, Deduct</i>	-103.56	
		<i>For Class 54 Rating, Add</i>	146.27	
		<i>For Class 55 Rating, Add</i>	220.06	
		<i>For Class 56 Rating, Add</i>	292.90	
40 05 19 00-0022	EA	4" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,404.56	282.10
		<i>For Class 52 Rating, Deduct</i>	-107.49	
		<i>For Class 54 Rating, Add</i>	151.70	
		<i>For Class 55 Rating, Add</i>	228.16	
		<i>For Class 56 Rating, Add</i>	303.64	
40 05 19 00-0023	EA	4" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,445.98	285.85
		<i>For Class 52 Rating, Deduct</i>	-111.42	
		<i>For Class 54 Rating, Add</i>	157.13	
		<i>For Class 55 Rating, Add</i>	236.26	
		<i>For Class 56 Rating, Add</i>	314.39	
40 05 19 00-0024	EA	4" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,487.40	289.60
		<i>For Class 52 Rating, Deduct</i>	-115.35	
		<i>For Class 54 Rating, Add</i>	162.56	
		<i>For Class 55 Rating, Add</i>	244.37	
		<i>For Class 56 Rating, Add</i>	325.14	
40 05 19 00-0025	EA	4" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,528.82	293.36
		<i>For Class 52 Rating, Deduct</i>	-119.28	
		<i>For Class 54 Rating, Add</i>	167.98	
		<i>For Class 55 Rating, Add</i>	252.48	
		<i>For Class 56 Rating, Add</i>	335.88	
40 05 19 00-0026	EA	4" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,570.23	297.11
		<i>For Class 52 Rating, Deduct</i>	-123.21	
		<i>For Class 54 Rating, Add</i>	173.41	
		<i>For Class 55 Rating, Add</i>	260.58	
		<i>For Class 56 Rating, Add</i>	346.63	
40 05 19 00-0027	EA	4" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,611.64	300.85
		<i>For Class 52 Rating, Deduct</i>	-127.14	
		<i>For Class 54 Rating, Add</i>	178.84	
		<i>For Class 55 Rating, Add</i>	268.68	
		<i>For Class 56 Rating, Add</i>	357.37	
40 05 19 00-0028	EA	4" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,653.07	304.61
		<i>For Class 52 Rating, Deduct</i>	-131.07	
		<i>For Class 54 Rating, Add</i>	184.27	
		<i>For Class 55 Rating, Add</i>	276.79	
		<i>For Class 56 Rating, Add</i>	368.12	
40 05 19 00-0029	EA	4" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,694.48	308.36
		<i>For Class 52 Rating, Deduct</i>	-135.00	
		<i>For Class 54 Rating, Add</i>	189.70	
		<i>For Class 55 Rating, Add</i>	284.89	
		<i>For Class 56 Rating, Add</i>	378.86	
40 05 19 00-0030	EA	4" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,735.89	312.11
		<i>For Class 52 Rating, Deduct</i>	-138.93	
		<i>For Class 54 Rating, Add</i>	195.12	
		<i>For Class 55 Rating, Add</i>	293.00	
		<i>For Class 56 Rating, Add</i>	389.61	
40 05 19 00-0031	EA	4" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,777.31	315.86
		<i>For Class 52 Rating, Deduct</i>	-142.86	
		<i>For Class 54 Rating, Add</i>	200.55	
		<i>For Class 55 Rating, Add</i>	301.10	
		<i>For Class 56 Rating, Add</i>	400.35	
40 05 19 00-0032	EA	4" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,818.73	319.61
		<i>For Class 52 Rating, Deduct</i>	-146.79	
		<i>For Class 54 Rating, Add</i>	205.98	
		<i>For Class 55 Rating, Add</i>	309.21	
		<i>For Class 56 Rating, Add</i>	411.10	
40 05 19 00-0033	EA	4" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,860.14	323.37
		<i>For Class 52 Rating, Deduct</i>	-150.72	
		<i>For Class 54 Rating, Add</i>	211.41	
		<i>For Class 55 Rating, Add</i>	317.31	
		<i>For Class 56 Rating, Add</i>	421.85	
40 05 19 00-0034	EA	4" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,901.56	327.11
		<i>For Class 52 Rating, Deduct</i>	-154.65	
		<i>For Class 54 Rating, Add</i>	216.84	
		<i>For Class 55 Rating, Add</i>	325.42	
		<i>For Class 56 Rating, Add</i>	432.59	
40 05 19 00-0035	EA	4" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,942.98	330.87
		<i>For Class 52 Rating, Deduct</i>	-158.58	
		<i>For Class 54 Rating, Add</i>	222.26	
		<i>For Class 55 Rating, Add</i>	333.52	
		<i>For Class 56 Rating, Add</i>	443.34	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0036 EA 4" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,984.39	334.62
<i>For Class 52 Rating, Deduct</i>	-162.51	
<i>For Class 54 Rating, Add</i>	227.69	
<i>For Class 55 Rating, Add</i>	341.63	
<i>For Class 56 Rating, Add</i>	454.08	
40 05 19 00-0037 EA 4" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,025.81	338.37
<i>For Class 52 Rating, Deduct</i>	-166.44	
<i>For Class 54 Rating, Add</i>	233.12	
<i>For Class 55 Rating, Add</i>	349.73	
<i>For Class 56 Rating, Add</i>	464.83	
40 05 19 00-0038 EA 4" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,067.23	342.12
<i>For Class 52 Rating, Deduct</i>	-170.37	
<i>For Class 54 Rating, Add</i>	238.55	
<i>For Class 55 Rating, Add</i>	357.84	
<i>For Class 56 Rating, Add</i>	475.58	
40 05 19 00-0039 EA 4" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,108.64	345.87
<i>For Class 52 Rating, Deduct</i>	-174.30	
<i>For Class 54 Rating, Add</i>	243.98	
<i>For Class 55 Rating, Add</i>	365.94	
<i>For Class 56 Rating, Add</i>	486.32	
40 05 19 00-0040 EA 4" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,150.06	349.63
<i>For Class 52 Rating, Deduct</i>	-178.24	
<i>For Class 54 Rating, Add</i>	249.40	
<i>For Class 55 Rating, Add</i>	374.05	
<i>For Class 56 Rating, Add</i>	497.07	
40 05 19 00-0041 EA 4" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,191.48	353.38
<i>For Class 52 Rating, Deduct</i>	-182.17	
<i>For Class 54 Rating, Add</i>	254.83	
<i>For Class 55 Rating, Add</i>	382.15	
<i>For Class 56 Rating, Add</i>	507.81	
40 05 19 00-0042 EA 4" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,232.89	357.13
<i>For Class 52 Rating, Deduct</i>	-186.10	
<i>For Class 54 Rating, Add</i>	260.26	
<i>For Class 55 Rating, Add</i>	390.26	
<i>For Class 56 Rating, Add</i>	518.56	
<b>40 05 19 00-0043 6" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0002)</b>		
40 05 19 00-0044 EA 6" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	833.90	270.10
<i>For Class 52 Rating, Deduct</i>	-46.71	
<i>For Class 54 Rating, Add</i>	68.61	
<i>For Class 55 Rating, Add</i>	104.52	
<i>For Class 56 Rating, Add</i>	140.01	
40 05 19 00-0045 EA 6" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	883.56	273.84
<i>For Class 52 Rating, Deduct</i>	-51.55	
<i>For Class 54 Rating, Add</i>	75.28	
<i>For Class 55 Rating, Add</i>	114.46	
<i>For Class 56 Rating, Add</i>	153.19	
40 05 19 00-0046 EA 6" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	933.22	277.60
<i>For Class 52 Rating, Deduct</i>	-56.39	
<i>For Class 54 Rating, Add</i>	81.94	
<i>For Class 55 Rating, Add</i>	124.41	
<i>For Class 56 Rating, Add</i>	166.36	
40 05 19 00-0047 EA 6" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	982.89	281.35
<i>For Class 52 Rating, Deduct</i>	-61.23	
<i>For Class 54 Rating, Add</i>	88.61	
<i>For Class 55 Rating, Add</i>	134.35	
<i>For Class 56 Rating, Add</i>	179.54	
40 05 19 00-0048 EA 6" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,032.56	285.11
<i>For Class 52 Rating, Deduct</i>	-66.06	
<i>For Class 54 Rating, Add</i>	95.27	
<i>For Class 55 Rating, Add</i>	144.30	
<i>For Class 56 Rating, Add</i>	192.72	
40 05 19 00-0049 EA 6" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,082.21	288.85
<i>For Class 52 Rating, Deduct</i>	-70.90	
<i>For Class 54 Rating, Add</i>	101.94	
<i>For Class 55 Rating, Add</i>	154.24	
<i>For Class 56 Rating, Add</i>	205.90	
40 05 19 00-0050 EA 6" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,131.87	292.60
<i>For Class 52 Rating, Deduct</i>	-75.74	
<i>For Class 54 Rating, Add</i>	108.60	
<i>For Class 55 Rating, Add</i>	164.18	
<i>For Class 56 Rating, Add</i>	219.08	
40 05 19 00-0051 EA 6" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,181.54	296.36
<i>For Class 52 Rating, Deduct</i>	-80.58	
<i>For Class 54 Rating, Add</i>	115.26	
<i>For Class 55 Rating, Add</i>	174.13	
<i>For Class 56 Rating, Add</i>	232.26	
40 05 19 00-0052 EA 6" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,231.19	300.11
<i>For Class 52 Rating, Deduct</i>	-85.41	
<i>For Class 54 Rating, Add</i>	121.93	
<i>For Class 55 Rating, Add</i>	184.07	
<i>For Class 56 Rating, Add</i>	245.43	
40 05 19 00-0053 EA 6" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,280.86	303.86
<i>For Class 52 Rating, Deduct</i>	-90.25	
<i>For Class 54 Rating, Add</i>	128.60	
<i>For Class 55 Rating, Add</i>	194.01	
<i>For Class 56 Rating, Add</i>	258.61	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

40 05 19 00-0054	EA	6" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,330.53	307.61
		For Class 52 Rating, Deduct	-95.09	
		For Class 54 Rating, Add	135.26	
		For Class 55 Rating, Add	203.96	
		For Class 56 Rating, Add	271.79	
40 05 19 00-0055	EA	6" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,380.19	311.36
		For Class 52 Rating, Deduct	-99.93	
		For Class 54 Rating, Add	141.93	
		For Class 55 Rating, Add	213.90	
		For Class 56 Rating, Add	284.97	
40 05 19 00-0056	EA	6" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,429.84	315.11
		For Class 52 Rating, Deduct	-104.76	
		For Class 54 Rating, Add	148.59	
		For Class 55 Rating, Add	223.84	
		For Class 56 Rating, Add	298.15	
40 05 19 00-0057	EA	6" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,479.51	318.86
		For Class 52 Rating, Deduct	-109.60	
		For Class 54 Rating, Add	155.25	
		For Class 55 Rating, Add	233.79	
		For Class 56 Rating, Add	311.32	
40 05 19 00-0058	EA	6" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,529.17	322.62
		For Class 52 Rating, Deduct	-114.44	
		For Class 54 Rating, Add	161.92	
		For Class 55 Rating, Add	243.73	
		For Class 56 Rating, Add	324.50	
40 05 19 00-0059	EA	6" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,578.84	326.37
		For Class 52 Rating, Deduct	-119.28	
		For Class 54 Rating, Add	168.59	
		For Class 55 Rating, Add	253.68	
		For Class 56 Rating, Add	337.68	
40 05 19 00-0060	EA	6" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,628.50	330.11
		For Class 52 Rating, Deduct	-124.12	
		For Class 54 Rating, Add	175.25	
		For Class 55 Rating, Add	263.62	
		For Class 56 Rating, Add	350.86	
40 05 19 00-0061	EA	6" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,678.16	333.87
		For Class 52 Rating, Deduct	-128.95	
		For Class 54 Rating, Add	181.92	
		For Class 55 Rating, Add	273.56	
		For Class 56 Rating, Add	364.04	
40 05 19 00-0062	EA	6" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,727.82	337.62
		For Class 52 Rating, Deduct	-133.79	
		For Class 54 Rating, Add	188.58	
		For Class 55 Rating, Add	283.51	
		For Class 56 Rating, Add	377.22	
40 05 19 00-0063	EA	6" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,777.49	341.38
		For Class 52 Rating, Deduct	-138.63	
		For Class 54 Rating, Add	195.24	
		For Class 55 Rating, Add	293.45	
		For Class 56 Rating, Add	390.39	
40 05 19 00-0064	EA	6" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,827.14	345.12
		For Class 52 Rating, Deduct	-143.47	
		For Class 54 Rating, Add	201.91	
		For Class 55 Rating, Add	303.39	
		For Class 56 Rating, Add	403.57	
40 05 19 00-0065	EA	6" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,876.81	348.87
		For Class 52 Rating, Deduct	-148.30	
		For Class 54 Rating, Add	208.57	
		For Class 55 Rating, Add	313.34	
		For Class 56 Rating, Add	416.75	
40 05 19 00-0066	EA	6" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,926.47	352.63
		For Class 52 Rating, Deduct	-153.14	
		For Class 54 Rating, Add	215.24	
		For Class 55 Rating, Add	323.28	
		For Class 56 Rating, Add	429.93	
40 05 19 00-0067	EA	6" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,976.12	356.38
		For Class 52 Rating, Deduct	-157.98	
		For Class 54 Rating, Add	221.90	
		For Class 55 Rating, Add	333.22	
		For Class 56 Rating, Add	443.11	
40 05 19 00-0068	EA	6" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,025.79	360.13
		For Class 52 Rating, Deduct	-162.82	
		For Class 54 Rating, Add	228.57	
		For Class 55 Rating, Add	343.17	
		For Class 56 Rating, Add	456.28	
40 05 19 00-0069	EA	6" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,075.45	363.88
		For Class 52 Rating, Deduct	-167.65	
		For Class 54 Rating, Add	235.23	
		For Class 55 Rating, Add	353.11	
		For Class 56 Rating, Add	469.46	
40 05 19 00-0070	EA	6" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,125.12	367.63
		For Class 52 Rating, Deduct	-172.49	
		For Class 54 Rating, Add	241.90	
		For Class 55 Rating, Add	363.05	
		For Class 56 Rating, Add	482.64	
40 05 19 00-0071	EA	6" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,174.78	371.38
		For Class 52 Rating, Deduct	-177.33	
		For Class 54 Rating, Add	248.56	
		For Class 55 Rating, Add	373.00	
		For Class 56 Rating, Add	495.82	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0072 EA 6" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,224.44	375.13
For Class 52 Rating, Deduct	-182.17	
For Class 54 Rating, Add	255.23	
For Class 55 Rating, Add	382.94	
For Class 56 Rating, Add	509.00	
40 05 19 00-0073 EA 6" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,274.10	378.89
For Class 52 Rating, Deduct	-187.00	
For Class 54 Rating, Add	261.89	
For Class 55 Rating, Add	392.88	
For Class 56 Rating, Add	522.18	
40 05 19 00-0074 EA 6" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,323.77	382.64
For Class 52 Rating, Deduct	-191.84	
For Class 54 Rating, Add	268.56	
For Class 55 Rating, Add	402.83	
For Class 56 Rating, Add	535.35	
40 05 19 00-0075 EA 6" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,373.42	386.38
For Class 52 Rating, Deduct	-196.68	
For Class 54 Rating, Add	275.22	
For Class 55 Rating, Add	412.77	
For Class 56 Rating, Add	548.53	
40 05 19 00-0076 EA 6" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,423.09	390.14
For Class 52 Rating, Deduct	-201.52	
For Class 54 Rating, Add	281.89	
For Class 55 Rating, Add	422.72	
For Class 56 Rating, Add	561.71	
40 05 19 00-0077 EA 6" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,472.76	393.89
For Class 52 Rating, Deduct	-206.35	
For Class 54 Rating, Add	288.55	
For Class 55 Rating, Add	432.66	
For Class 56 Rating, Add	574.89	
40 05 19 00-0078 EA 6" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,522.40	397.65
For Class 52 Rating, Deduct	-211.19	
For Class 54 Rating, Add	295.22	
For Class 55 Rating, Add	442.60	
For Class 56 Rating, Add	588.07	
40 05 19 00-0079 EA 6" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,572.07	401.39
For Class 52 Rating, Deduct	-216.03	
For Class 54 Rating, Add	301.88	
For Class 55 Rating, Add	452.55	
For Class 56 Rating, Add	601.24	
40 05 19 00-0080 EA 6" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,621.74	405.14
For Class 52 Rating, Deduct	-220.87	
For Class 54 Rating, Add	308.55	
For Class 55 Rating, Add	462.49	
For Class 56 Rating, Add	614.42	
40 05 19 00-0081 EA 6" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,671.40	408.90
For Class 52 Rating, Deduct	-225.70	
For Class 54 Rating, Add	315.21	
For Class 55 Rating, Add	472.43	
For Class 56 Rating, Add	627.60	
40 05 19 00-0082 EA 6" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,721.06	412.64
For Class 52 Rating, Deduct	-230.54	
For Class 54 Rating, Add	321.88	
For Class 55 Rating, Add	482.38	
For Class 56 Rating, Add	640.78	
<b>40 05 19 00-0083 8" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-0002)</small>		
40 05 19 00-0084 EA 8" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,148.23	345.12
For Class 52 Rating, Deduct	-68.79	
For Class 54 Rating, Add	100.07	
For Class 55 Rating, Add	152.00	
For Class 56 Rating, Add	203.29	
40 05 19 00-0085 EA 8" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,214.39	348.87
For Class 52 Rating, Deduct	-75.44	
For Class 54 Rating, Add	109.21	
For Class 55 Rating, Add	165.62	
For Class 56 Rating, Add	221.34	
40 05 19 00-0086 EA 8" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,280.54	352.63
For Class 52 Rating, Deduct	-82.09	
For Class 54 Rating, Add	118.35	
For Class 55 Rating, Add	179.24	
For Class 56 Rating, Add	239.38	
40 05 19 00-0087 EA 8" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,346.69	356.38
For Class 52 Rating, Deduct	-88.74	
For Class 54 Rating, Add	127.49	
For Class 55 Rating, Add	192.86	
For Class 56 Rating, Add	257.42	
40 05 19 00-0088 EA 8" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,412.85	360.13
For Class 52 Rating, Deduct	-95.39	
For Class 54 Rating, Add	136.63	
For Class 55 Rating, Add	206.48	
For Class 56 Rating, Add	275.47	
40 05 19 00-0089 EA 8" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,479.00	363.88
For Class 52 Rating, Deduct	-102.04	
For Class 54 Rating, Add	145.77	
For Class 55 Rating, Add	220.10	
For Class 56 Rating, Add	293.51	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

40 05 19 00-0090	EA	8" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,545.16	367.63
		<i>For Class 52 Rating, Deduct</i>	-108.70	
		<i>For Class 54 Rating, Add</i>	154.91	
		<i>For Class 55 Rating, Add</i>	233.72	
		<i>For Class 56 Rating, Add</i>	311.55	
40 05 19 00-0091	EA	8" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,611.31	371.38
		<i>For Class 52 Rating, Deduct</i>	-115.35	
		<i>For Class 54 Rating, Add</i>	164.04	
		<i>For Class 55 Rating, Add</i>	247.34	
		<i>For Class 56 Rating, Add</i>	329.60	
40 05 19 00-0092	EA	8" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,677.46	375.13
		<i>For Class 52 Rating, Deduct</i>	-122.00	
		<i>For Class 54 Rating, Add</i>	173.18	
		<i>For Class 55 Rating, Add</i>	260.97	
		<i>For Class 56 Rating, Add</i>	347.64	
40 05 19 00-0093	EA	8" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,743.62	378.89
		<i>For Class 52 Rating, Deduct</i>	-128.65	
		<i>For Class 54 Rating, Add</i>	182.32	
		<i>For Class 55 Rating, Add</i>	274.59	
		<i>For Class 56 Rating, Add</i>	365.68	
40 05 19 00-0094	EA	8" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,809.78	382.64
		<i>For Class 52 Rating, Deduct</i>	-135.30	
		<i>For Class 54 Rating, Add</i>	191.46	
		<i>For Class 55 Rating, Add</i>	288.21	
		<i>For Class 56 Rating, Add</i>	383.73	
40 05 19 00-0095	EA	8" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,875.92	386.38
		<i>For Class 52 Rating, Deduct</i>	-141.95	
		<i>For Class 54 Rating, Add</i>	200.60	
		<i>For Class 55 Rating, Add</i>	301.83	
		<i>For Class 56 Rating, Add</i>	401.77	
40 05 19 00-0096	EA	8" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,942.08	390.14
		<i>For Class 52 Rating, Deduct</i>	-148.61	
		<i>For Class 54 Rating, Add</i>	209.74	
		<i>For Class 55 Rating, Add</i>	315.45	
		<i>For Class 56 Rating, Add</i>	419.81	
40 05 19 00-0097	EA	8" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,008.24	393.89
		<i>For Class 52 Rating, Deduct</i>	-155.26	
		<i>For Class 54 Rating, Add</i>	218.88	
		<i>For Class 55 Rating, Add</i>	329.07	
		<i>For Class 56 Rating, Add</i>	437.86	
40 05 19 00-0098	EA	8" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,074.38	397.65
		<i>For Class 52 Rating, Deduct</i>	-161.91	
		<i>For Class 54 Rating, Add</i>	228.01	
		<i>For Class 55 Rating, Add</i>	342.69	
		<i>For Class 56 Rating, Add</i>	455.90	
40 05 19 00-0099	EA	8" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,140.54	401.39
		<i>For Class 52 Rating, Deduct</i>	-168.56	
		<i>For Class 54 Rating, Add</i>	237.15	
		<i>For Class 55 Rating, Add</i>	356.31	
		<i>For Class 56 Rating, Add</i>	473.94	
40 05 19 00-0100	EA	8" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,206.70	405.14
		<i>For Class 52 Rating, Deduct</i>	-175.21	
		<i>For Class 54 Rating, Add</i>	246.29	
		<i>For Class 55 Rating, Add</i>	369.94	
		<i>For Class 56 Rating, Add</i>	491.99	
40 05 19 00-0101	EA	8" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,272.85	408.90
		<i>For Class 52 Rating, Deduct</i>	-181.86	
		<i>For Class 54 Rating, Add</i>	255.43	
		<i>For Class 55 Rating, Add</i>	383.56	
		<i>For Class 56 Rating, Add</i>	510.03	
40 05 19 00-0102	EA	8" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,339.00	412.64
		<i>For Class 52 Rating, Deduct</i>	-188.52	
		<i>For Class 54 Rating, Add</i>	264.57	
		<i>For Class 55 Rating, Add</i>	397.18	
		<i>For Class 56 Rating, Add</i>	528.07	
40 05 19 00-0103	EA	8" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,405.16	416.40
		<i>For Class 52 Rating, Deduct</i>	-195.17	
		<i>For Class 54 Rating, Add</i>	273.71	
		<i>For Class 55 Rating, Add</i>	410.80	
		<i>For Class 56 Rating, Add</i>	546.12	
40 05 19 00-0104	EA	8" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,471.31	420.15
		<i>For Class 52 Rating, Deduct</i>	-201.82	
		<i>For Class 54 Rating, Add</i>	282.85	
		<i>For Class 55 Rating, Add</i>	424.42	
		<i>For Class 56 Rating, Add</i>	564.16	
40 05 19 00-0105	EA	8" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,537.47	423.90
		<i>For Class 52 Rating, Deduct</i>	-208.47	
		<i>For Class 54 Rating, Add</i>	291.99	
		<i>For Class 55 Rating, Add</i>	438.04	
		<i>For Class 56 Rating, Add</i>	582.20	
40 05 19 00-0106	EA	8" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,603.62	427.65
		<i>For Class 52 Rating, Deduct</i>	-215.12	
		<i>For Class 54 Rating, Add</i>	301.12	
		<i>For Class 55 Rating, Add</i>	451.66	
		<i>For Class 56 Rating, Add</i>	600.25	
40 05 19 00-0107	EA	8" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,669.77	431.40
		<i>For Class 52 Rating, Deduct</i>	-221.77	
		<i>For Class 54 Rating, Add</i>	310.26	
		<i>For Class 55 Rating, Add</i>	465.28	
		<i>For Class 56 Rating, Add</i>	618.29	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
40 05 19 00-0108	EA 8" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,735.93		435.16
	For Class 52 Rating, Deduct	-228.43		
	For Class 54 Rating, Add	319.40		
	For Class 55 Rating, Add	478.91		
	For Class 56 Rating, Add	636.33		
40 05 19 00-0109	EA 8" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,802.09		438.91
	For Class 52 Rating, Deduct	-235.08		
	For Class 54 Rating, Add	328.54		
	For Class 55 Rating, Add	492.53		
	For Class 56 Rating, Add	654.38		
40 05 19 00-0110	EA 8" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,868.23		442.65
	For Class 52 Rating, Deduct	-241.73		
	For Class 54 Rating, Add	337.68		
	For Class 55 Rating, Add	506.15		
	For Class 56 Rating, Add	672.42		
40 05 19 00-0111	EA 8" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,934.39		446.41
	For Class 52 Rating, Deduct	-248.38		
	For Class 54 Rating, Add	346.82		
	For Class 55 Rating, Add	519.77		
	For Class 56 Rating, Add	690.46		
40 05 19 00-0112	EA 8" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,000.54		450.16
	For Class 52 Rating, Deduct	-255.03		
	For Class 54 Rating, Add	355.96		
	For Class 55 Rating, Add	533.39		
	For Class 56 Rating, Add	708.51		
40 05 19 00-0113	EA 8" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,066.69		453.92
	For Class 52 Rating, Deduct	-261.68		
	For Class 54 Rating, Add	365.10		
	For Class 55 Rating, Add	547.01		
	For Class 56 Rating, Add	726.55		
40 05 19 00-0114	EA 8" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,132.85		457.66
	For Class 52 Rating, Deduct	-268.34		
	For Class 54 Rating, Add	374.23		
	For Class 55 Rating, Add	560.63		
	For Class 56 Rating, Add	744.59		
40 05 19 00-0115	EA 8" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,199.00		461.41
	For Class 52 Rating, Deduct	-274.99		
	For Class 54 Rating, Add	383.37		
	For Class 55 Rating, Add	574.25		
	For Class 56 Rating, Add	762.64		
40 05 19 00-0116	EA 8" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,265.16		465.17
	For Class 52 Rating, Deduct	-281.64		
	For Class 54 Rating, Add	392.51		
	For Class 55 Rating, Add	587.88		
	For Class 56 Rating, Add	780.68		
40 05 19 00-0117	EA 8" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,331.31		468.91
	For Class 52 Rating, Deduct	-288.29		
	For Class 54 Rating, Add	401.65		
	For Class 55 Rating, Add	601.50		
	For Class 56 Rating, Add	798.72		
40 05 19 00-0118	EA 8" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,397.46		472.67
	For Class 52 Rating, Deduct	-294.94		
	For Class 54 Rating, Add	410.79		
	For Class 55 Rating, Add	615.12		
	For Class 56 Rating, Add	816.77		
40 05 19 00-0119	EA 8" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,463.62		476.42
	For Class 52 Rating, Deduct	-301.59		
	For Class 54 Rating, Add	419.93		
	For Class 55 Rating, Add	628.74		
	For Class 56 Rating, Add	834.81		
40 05 19 00-0120	EA 8" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,529.78		480.18
	For Class 52 Rating, Deduct	-308.25		
	For Class 54 Rating, Add	429.07		
	For Class 55 Rating, Add	642.36		
	For Class 56 Rating, Add	852.85		
40 05 19 00-0121	EA 8" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,595.92		483.92
	For Class 52 Rating, Deduct	-314.90		
	For Class 54 Rating, Add	438.21		
	For Class 55 Rating, Add	655.98		
	For Class 56 Rating, Add	870.90		
40 05 19 00-0122	EA 8" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,662.08		487.67
	For Class 52 Rating, Deduct	-321.55		
	For Class 54 Rating, Add	447.34		
	For Class 55 Rating, Add	669.60		
	For Class 56 Rating, Add	888.94		
<b>40 05 19 00-0123</b>	<b>10" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-0002)</small>			
40 05 19 00-0124	EA 10" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,439.19		420.15
	For Class 52 Rating, Deduct	-88.29		
	For Class 54 Rating, Add	128.03		
	For Class 55 Rating, Add	194.26		
	For Class 56 Rating, Add	259.68		
40 05 19 00-0125	EA 10" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,524.59		423.90
	For Class 52 Rating, Deduct	-97.05		
	For Class 54 Rating, Add	140.05		
	For Class 55 Rating, Add	212.17		
	For Class 56 Rating, Add	283.40		

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

40 05 19 00-0126	EA	10" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,609.98	427.65
		<i>For Class 52 Rating, Deduct</i>	-105.82	
		<i>For Class 54 Rating, Add</i>	152.08	
		<i>For Class 55 Rating, Add</i>	230.08	
		<i>For Class 56 Rating, Add</i>	307.12	
40 05 19 00-0127	EA	10" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,695.37	431.40
		<i>For Class 52 Rating, Deduct</i>	-114.59	
		<i>For Class 54 Rating, Add</i>	164.10	
		<i>For Class 55 Rating, Add</i>	247.99	
		<i>For Class 56 Rating, Add</i>	330.84	
40 05 19 00-0128	EA	10" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,780.78	435.16
		<i>For Class 52 Rating, Deduct</i>	-123.36	
		<i>For Class 54 Rating, Add</i>	176.13	
		<i>For Class 55 Rating, Add</i>	265.91	
		<i>For Class 56 Rating, Add</i>	354.56	
40 05 19 00-0129	EA	10" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,866.18	438.91
		<i>For Class 52 Rating, Deduct</i>	-132.13	
		<i>For Class 54 Rating, Add</i>	188.15	
		<i>For Class 55 Rating, Add</i>	283.82	
		<i>For Class 56 Rating, Add</i>	378.28	
40 05 19 00-0130	EA	10" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,951.56	442.65
		<i>For Class 52 Rating, Deduct</i>	-140.90	
		<i>For Class 54 Rating, Add</i>	200.18	
		<i>For Class 55 Rating, Add</i>	301.73	
		<i>For Class 56 Rating, Add</i>	402.00	
40 05 19 00-0131	EA	10" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,036.96	446.41
		<i>For Class 52 Rating, Deduct</i>	-149.66	
		<i>For Class 54 Rating, Add</i>	212.20	
		<i>For Class 55 Rating, Add</i>	319.64	
		<i>For Class 56 Rating, Add</i>	425.72	
40 05 19 00-0132	EA	10" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,122.35	450.16
		<i>For Class 52 Rating, Deduct</i>	-158.43	
		<i>For Class 54 Rating, Add</i>	224.23	
		<i>For Class 55 Rating, Add</i>	337.55	
		<i>For Class 56 Rating, Add</i>	449.44	
40 05 19 00-0133	EA	10" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,207.74	453.92
		<i>For Class 52 Rating, Deduct</i>	-167.20	
		<i>For Class 54 Rating, Add</i>	236.25	
		<i>For Class 55 Rating, Add</i>	355.47	
		<i>For Class 56 Rating, Add</i>	473.16	
40 05 19 00-0134	EA	10" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,293.14	457.66
		<i>For Class 52 Rating, Deduct</i>	-175.97	
		<i>For Class 54 Rating, Add</i>	248.28	
		<i>For Class 55 Rating, Add</i>	373.38	
		<i>For Class 56 Rating, Add</i>	496.88	
40 05 19 00-0135	EA	10" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,378.53	461.41
		<i>For Class 52 Rating, Deduct</i>	-184.74	
		<i>For Class 54 Rating, Add</i>	260.30	
		<i>For Class 55 Rating, Add</i>	391.29	
		<i>For Class 56 Rating, Add</i>	520.60	
40 05 19 00-0136	EA	10" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,463.93	465.17
		<i>For Class 52 Rating, Deduct</i>	-193.50	
		<i>For Class 54 Rating, Add</i>	272.33	
		<i>For Class 55 Rating, Add</i>	409.20	
		<i>For Class 56 Rating, Add</i>	544.32	
40 05 19 00-0137	EA	10" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,549.32	468.91
		<i>For Class 52 Rating, Deduct</i>	-202.27	
		<i>For Class 54 Rating, Add</i>	284.35	
		<i>For Class 55 Rating, Add</i>	427.11	
		<i>For Class 56 Rating, Add</i>	568.04	
40 05 19 00-0138	EA	10" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,634.71	472.67
		<i>For Class 52 Rating, Deduct</i>	-211.04	
		<i>For Class 54 Rating, Add</i>	296.38	
		<i>For Class 55 Rating, Add</i>	445.02	
		<i>For Class 56 Rating, Add</i>	591.75	
40 05 19 00-0139	EA	10" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,720.11	476.42
		<i>For Class 52 Rating, Deduct</i>	-219.81	
		<i>For Class 54 Rating, Add</i>	308.40	
		<i>For Class 55 Rating, Add</i>	462.94	
		<i>For Class 56 Rating, Add</i>	615.47	
40 05 19 00-0140	EA	10" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,805.51	480.18
		<i>For Class 52 Rating, Deduct</i>	-228.58	
		<i>For Class 54 Rating, Add</i>	320.43	
		<i>For Class 55 Rating, Add</i>	480.85	
		<i>For Class 56 Rating, Add</i>	639.19	
40 05 19 00-0141	EA	10" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,890.89	483.92
		<i>For Class 52 Rating, Deduct</i>	-237.34	
		<i>For Class 54 Rating, Add</i>	332.45	
		<i>For Class 55 Rating, Add</i>	498.76	
		<i>For Class 56 Rating, Add</i>	662.91	
40 05 19 00-0142	EA	10" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,976.29	487.67
		<i>For Class 52 Rating, Deduct</i>	-246.11	
		<i>For Class 54 Rating, Add</i>	344.48	
		<i>For Class 55 Rating, Add</i>	516.67	
		<i>For Class 56 Rating, Add</i>	686.63	
40 05 19 00-0143	EA	10" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,061.69	491.43
		<i>For Class 52 Rating, Deduct</i>	-254.88	
		<i>For Class 54 Rating, Add</i>	356.50	
		<i>For Class 55 Rating, Add</i>	534.58	
		<i>For Class 56 Rating, Add</i>	710.35	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0144 EA 10" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,147.07	495.18
For Class 52 Rating, Deduct	-263.65	
For Class 54 Rating, Add	368.52	
For Class 55 Rating, Add	552.49	
For Class 56 Rating, Add	734.07	
40 05 19 00-0145 EA 10" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,232.47	498.93
For Class 52 Rating, Deduct	-272.42	
For Class 54 Rating, Add	380.55	
For Class 55 Rating, Add	570.41	
For Class 56 Rating, Add	757.79	
40 05 19 00-0146 EA 10" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,317.88	502.68
For Class 52 Rating, Deduct	-281.19	
For Class 54 Rating, Add	392.58	
For Class 55 Rating, Add	588.32	
For Class 56 Rating, Add	781.51	
40 05 19 00-0147 EA 10" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,403.27	506.43
For Class 52 Rating, Deduct	-289.95	
For Class 54 Rating, Add	404.60	
For Class 55 Rating, Add	606.23	
For Class 56 Rating, Add	805.23	
40 05 19 00-0148 EA 10" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,488.66	510.19
For Class 52 Rating, Deduct	-298.72	
For Class 54 Rating, Add	416.63	
For Class 55 Rating, Add	624.14	
For Class 56 Rating, Add	828.95	
40 05 19 00-0149 EA 10" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,574.06	513.93
For Class 52 Rating, Deduct	-307.49	
For Class 54 Rating, Add	428.65	
For Class 55 Rating, Add	642.06	
For Class 56 Rating, Add	852.67	
40 05 19 00-0150 EA 10" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,659.45	517.69
For Class 52 Rating, Deduct	-316.26	
For Class 54 Rating, Add	440.67	
For Class 55 Rating, Add	659.97	
For Class 56 Rating, Add	876.39	
40 05 19 00-0151 EA 10" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,744.85	521.44
For Class 52 Rating, Deduct	-325.03	
For Class 54 Rating, Add	452.70	
For Class 55 Rating, Add	677.88	
For Class 56 Rating, Add	900.11	
40 05 19 00-0152 EA 10" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,830.24	525.18
For Class 52 Rating, Deduct	-333.80	
For Class 54 Rating, Add	464.72	
For Class 55 Rating, Add	695.79	
For Class 56 Rating, Add	923.82	
40 05 19 00-0153 EA 10" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,915.63	528.94
For Class 52 Rating, Deduct	-342.56	
For Class 54 Rating, Add	476.75	
For Class 55 Rating, Add	713.70	
For Class 56 Rating, Add	947.54	
40 05 19 00-0154 EA 10" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,001.03	532.69
For Class 52 Rating, Deduct	-351.33	
For Class 54 Rating, Add	488.77	
For Class 55 Rating, Add	731.61	
For Class 56 Rating, Add	971.26	
40 05 19 00-0155 EA 10" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,085.06	536.45
For Class 52 Rating, Deduct	-359.95	
For Class 54 Rating, Add	500.59	
For Class 55 Rating, Add	749.22	
For Class 56 Rating, Add	994.58	
40 05 19 00-0156 EA 10" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,171.81	540.19
For Class 52 Rating, Deduct	-368.87	
For Class 54 Rating, Add	512.82	
For Class 55 Rating, Add	767.44	
For Class 56 Rating, Add	1,018.70	
40 05 19 00-0157 EA 10" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,257.21	543.94
For Class 52 Rating, Deduct	-377.64	
For Class 54 Rating, Add	524.85	
For Class 55 Rating, Add	785.35	
For Class 56 Rating, Add	1,042.42	
40 05 19 00-0158 EA 10" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,342.61	547.70
For Class 52 Rating, Deduct	-386.40	
For Class 54 Rating, Add	536.87	
For Class 55 Rating, Add	803.26	
For Class 56 Rating, Add	1,066.14	
40 05 19 00-0159 EA 10" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,427.99	551.45
For Class 52 Rating, Deduct	-395.17	
For Class 54 Rating, Add	548.90	
For Class 55 Rating, Add	821.17	
For Class 56 Rating, Add	1,089.86	
40 05 19 00-0160 EA 10" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,513.39	555.20
For Class 52 Rating, Deduct	-403.94	
For Class 54 Rating, Add	560.92	
For Class 55 Rating, Add	839.09	
For Class 56 Rating, Add	1,113.58	
40 05 19 00-0161 EA 10" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,598.78	558.95
For Class 52 Rating, Deduct	-412.71	
For Class 54 Rating, Add	572.95	
For Class 55 Rating, Add	857.00	
For Class 56 Rating, Add	1,137.30	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

40 05 19 00-0162	EA	10" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,684.18	562.70
		<i>For Class 52 Rating, Deduct</i>	-421.48	
		<i>For Class 54 Rating, Add</i>	584.97	
		<i>For Class 55 Rating, Add</i>	874.91	
		<i>For Class 56 Rating, Add</i>	1,161.01	

**40 05 19 00-0163 12" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe**

(40 05 19 00-0002)

40 05 19 00-0164	EA	12" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,870.46	525.18
		<i>For Class 52 Rating, Deduct</i>	-118.22	
		<i>For Class 54 Rating, Add</i>	170.76	
		<i>For Class 55 Rating, Add</i>	258.76	
		<i>For Class 56 Rating, Add</i>	345.69	
40 05 19 00-0165	EA	12" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,976.46	528.94
		<i>For Class 52 Rating, Deduct</i>	-129.25	
		<i>For Class 54 Rating, Add</i>	185.87	
		<i>For Class 55 Rating, Add</i>	281.27	
		<i>For Class 56 Rating, Add</i>	375.49	
40 05 19 00-0166	EA	12" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,082.48	532.69
		<i>For Class 52 Rating, Deduct</i>	-140.29	
		<i>For Class 54 Rating, Add</i>	200.99	
		<i>For Class 55 Rating, Add</i>	303.78	
		<i>For Class 56 Rating, Add</i>	405.29	
40 05 19 00-0167	EA	12" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,188.49	536.45
		<i>For Class 52 Rating, Deduct</i>	-151.33	
		<i>For Class 54 Rating, Add</i>	216.11	
		<i>For Class 55 Rating, Add</i>	326.29	
		<i>For Class 56 Rating, Add</i>	435.09	
40 05 19 00-0168	EA	12" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,294.49	540.19
		<i>For Class 52 Rating, Deduct</i>	-162.36	
		<i>For Class 54 Rating, Add</i>	231.22	
		<i>For Class 55 Rating, Add</i>	348.80	
		<i>For Class 56 Rating, Add</i>	464.89	
40 05 19 00-0169	EA	12" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,400.50	543.94
		<i>For Class 52 Rating, Deduct</i>	-173.40	
		<i>For Class 54 Rating, Add</i>	246.34	
		<i>For Class 55 Rating, Add</i>	371.30	
		<i>For Class 56 Rating, Add</i>	494.69	
40 05 19 00-0170	EA	12" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,506.52	547.70
		<i>For Class 52 Rating, Deduct</i>	-184.43	
		<i>For Class 54 Rating, Add</i>	261.46	
		<i>For Class 55 Rating, Add</i>	393.81	
		<i>For Class 56 Rating, Add</i>	524.49	
40 05 19 00-0171	EA	12" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,612.52	551.45
		<i>For Class 52 Rating, Deduct</i>	-195.47	
		<i>For Class 54 Rating, Add</i>	276.58	
		<i>For Class 55 Rating, Add</i>	416.32	
		<i>For Class 56 Rating, Add</i>	554.29	
40 05 19 00-0172	EA	12" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,718.53	555.20
		<i>For Class 52 Rating, Deduct</i>	-206.51	
		<i>For Class 54 Rating, Add</i>	291.69	
		<i>For Class 55 Rating, Add</i>	438.83	
		<i>For Class 56 Rating, Add</i>	584.09	
40 05 19 00-0173	EA	12" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,824.54	558.95
		<i>For Class 52 Rating, Deduct</i>	-217.54	
		<i>For Class 54 Rating, Add</i>	306.81	
		<i>For Class 55 Rating, Add</i>	461.34	
		<i>For Class 56 Rating, Add</i>	613.89	
40 05 19 00-0174	EA	12" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,930.55	562.70
		<i>For Class 52 Rating, Deduct</i>	-228.58	
		<i>For Class 54 Rating, Add</i>	321.93	
		<i>For Class 55 Rating, Add</i>	483.85	
		<i>For Class 56 Rating, Add</i>	643.69	
40 05 19 00-0175	EA	12" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,036.56	566.45
		<i>For Class 52 Rating, Deduct</i>	-239.61	
		<i>For Class 54 Rating, Add</i>	337.04	
		<i>For Class 55 Rating, Add</i>	506.36	
		<i>For Class 56 Rating, Add</i>	673.50	
40 05 19 00-0176	EA	12" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,142.56	570.20
		<i>For Class 52 Rating, Deduct</i>	-250.65	
		<i>For Class 54 Rating, Add</i>	352.16	
		<i>For Class 55 Rating, Add</i>	528.87	
		<i>For Class 56 Rating, Add</i>	703.29	
40 05 19 00-0177	EA	12" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,248.58	573.96
		<i>For Class 52 Rating, Deduct</i>	-261.68	
		<i>For Class 54 Rating, Add</i>	367.28	
		<i>For Class 55 Rating, Add</i>	551.38	
		<i>For Class 56 Rating, Add</i>	733.10	
40 05 19 00-0178	EA	12" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,354.59	577.71
		<i>For Class 52 Rating, Deduct</i>	-272.72	
		<i>For Class 54 Rating, Add</i>	382.39	
		<i>For Class 55 Rating, Add</i>	573.88	
		<i>For Class 56 Rating, Add</i>	762.90	
40 05 19 00-0179	EA	12" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,460.59	581.45
		<i>For Class 52 Rating, Deduct</i>	-283.76	
		<i>For Class 54 Rating, Add</i>	397.51	
		<i>For Class 55 Rating, Add</i>	596.39	
		<i>For Class 56 Rating, Add</i>	792.70	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0180 EA 12" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,566.60	585.21
For Class 52 Rating, Deduct	-294.79	
For Class 54 Rating, Add	412.63	
For Class 55 Rating, Add	618.90	
For Class 56 Rating, Add	822.50	
40 05 19 00-0181 EA 12" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,672.62	588.96
For Class 52 Rating, Deduct	-305.83	
For Class 54 Rating, Add	427.75	
For Class 55 Rating, Add	641.41	
For Class 56 Rating, Add	852.30	
40 05 19 00-0182 EA 12" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,778.62	592.72
For Class 52 Rating, Deduct	-316.86	
For Class 54 Rating, Add	442.86	
For Class 55 Rating, Add	663.92	
For Class 56 Rating, Add	882.10	
40 05 19 00-0183 EA 12" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,884.63	596.46
For Class 52 Rating, Deduct	-327.90	
For Class 54 Rating, Add	457.98	
For Class 55 Rating, Add	686.43	
For Class 56 Rating, Add	911.90	
40 05 19 00-0184 EA 12" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,990.65	600.21
For Class 52 Rating, Deduct	-338.94	
For Class 54 Rating, Add	473.10	
For Class 55 Rating, Add	708.94	
For Class 56 Rating, Add	941.70	
40 05 19 00-0185 EA 12" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,096.65	603.97
For Class 52 Rating, Deduct	-349.97	
For Class 54 Rating, Add	488.21	
For Class 55 Rating, Add	731.45	
For Class 56 Rating, Add	971.50	
40 05 19 00-0186 EA 12" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,202.66	607.72
For Class 52 Rating, Deduct	-361.01	
For Class 54 Rating, Add	503.33	
For Class 55 Rating, Add	753.96	
For Class 56 Rating, Add	1,001.30	
40 05 19 00-0187 EA 12" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,308.67	611.47
For Class 52 Rating, Deduct	-372.04	
For Class 54 Rating, Add	518.45	
For Class 55 Rating, Add	776.47	
For Class 56 Rating, Add	1,031.10	
40 05 19 00-0188 EA 12" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,414.68	615.22
For Class 52 Rating, Deduct	-383.08	
For Class 54 Rating, Add	533.57	
For Class 55 Rating, Add	798.98	
For Class 56 Rating, Add	1,060.90	
40 05 19 00-0189 EA 12" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,520.69	618.97
For Class 52 Rating, Deduct	-394.11	
For Class 54 Rating, Add	548.68	
For Class 55 Rating, Add	821.48	
For Class 56 Rating, Add	1,090.70	
40 05 19 00-0190 EA 12" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,626.70	622.72
For Class 52 Rating, Deduct	-405.15	
For Class 54 Rating, Add	563.80	
For Class 55 Rating, Add	843.99	
For Class 56 Rating, Add	1,120.50	
40 05 19 00-0191 EA 12" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,732.70	626.47
For Class 52 Rating, Deduct	-416.19	
For Class 54 Rating, Add	578.92	
For Class 55 Rating, Add	866.50	
For Class 56 Rating, Add	1,150.30	
40 05 19 00-0192 EA 12" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,838.72	630.23
For Class 52 Rating, Deduct	-427.22	
For Class 54 Rating, Add	594.03	
For Class 55 Rating, Add	889.01	
For Class 56 Rating, Add	1,180.11	
40 05 19 00-0193 EA 12" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,944.73	633.98
For Class 52 Rating, Deduct	-438.26	
For Class 54 Rating, Add	609.15	
For Class 55 Rating, Add	911.52	
For Class 56 Rating, Add	1,209.91	
40 05 19 00-0194 EA 12" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,050.73	637.72
For Class 52 Rating, Deduct	-449.29	
For Class 54 Rating, Add	624.27	
For Class 55 Rating, Add	934.03	
For Class 56 Rating, Add	1,239.71	
40 05 19 00-0195 EA 12" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,156.74	641.48
For Class 52 Rating, Deduct	-460.33	
For Class 54 Rating, Add	639.38	
For Class 55 Rating, Add	956.54	
For Class 56 Rating, Add	1,269.51	
40 05 19 00-0196 EA 12" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,262.75	645.23
For Class 52 Rating, Deduct	-471.36	
For Class 54 Rating, Add	654.50	
For Class 55 Rating, Add	979.05	
For Class 56 Rating, Add	1,299.31	
40 05 19 00-0197 EA 12" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,368.76	648.99
For Class 52 Rating, Deduct	-482.40	
For Class 54 Rating, Add	669.62	
For Class 55 Rating, Add	1,001.56	
For Class 56 Rating, Add	1,329.11	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

40 05 19 00-0198	EA	12" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,474.77	652.73
		<i>For Class 52 Rating, Deduct</i>	-493.44	
		<i>For Class 54 Rating, Add</i>	684.73	
		<i>For Class 55 Rating, Add</i>	1,024.06	
		<i>For Class 56 Rating, Add</i>	1,358.91	
40 05 19 00-0199	EA	12" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,580.78	656.48
		<i>For Class 52 Rating, Deduct</i>	-504.47	
		<i>For Class 54 Rating, Add</i>	699.85	
		<i>For Class 55 Rating, Add</i>	1,046.57	
		<i>For Class 56 Rating, Add</i>	1,388.71	
40 05 19 00-0200	EA	12" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,686.79	660.24
		<i>For Class 52 Rating, Deduct</i>	-515.51	
		<i>For Class 54 Rating, Add</i>	714.97	
		<i>For Class 55 Rating, Add</i>	1,069.08	
		<i>For Class 56 Rating, Add</i>	1,418.51	
40 05 19 00-0201	EA	12" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,792.80	663.99
		<i>For Class 52 Rating, Deduct</i>	-526.54	
		<i>For Class 54 Rating, Add</i>	730.09	
		<i>For Class 55 Rating, Add</i>	1,091.59	
		<i>For Class 56 Rating, Add</i>	1,448.31	
40 05 19 00-0202	EA	12" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,898.80	667.74
		<i>For Class 52 Rating, Deduct</i>	-537.58	
		<i>For Class 54 Rating, Add</i>	745.20	
		<i>For Class 55 Rating, Add</i>	1,114.10	
		<i>For Class 56 Rating, Add</i>	1,478.11	

**40 05 19 00-0203 14" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe**

(40 05 19 00-0002)

40 05 19 00-0204	EA	14" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,459.77	630.23
		<i>For Class 52 Rating, Deduct</i>	-165.54	
		<i>For Class 54 Rating, Add</i>	237.19	
		<i>For Class 55 Rating, Add</i>	358.51	
		<i>For Class 56 Rating, Add</i>	478.32	
40 05 19 00-0205	EA	14" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,587.77	633.98
		<i>For Class 52 Rating, Deduct</i>	-178.99	
		<i>For Class 54 Rating, Add</i>	255.61	
		<i>For Class 55 Rating, Add</i>	385.92	
		<i>For Class 56 Rating, Add</i>	514.60	
40 05 19 00-0206	EA	14" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,715.76	637.72
		<i>For Class 52 Rating, Deduct</i>	-192.45	
		<i>For Class 54 Rating, Add</i>	274.02	
		<i>For Class 55 Rating, Add</i>	413.33	
		<i>For Class 56 Rating, Add</i>	550.89	
40 05 19 00-0207	EA	14" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,843.76	641.48
		<i>For Class 52 Rating, Deduct</i>	-205.90	
		<i>For Class 54 Rating, Add</i>	292.44	
		<i>For Class 55 Rating, Add</i>	440.74	
		<i>For Class 56 Rating, Add</i>	587.18	
40 05 19 00-0208	EA	14" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,971.76	645.23
		<i>For Class 52 Rating, Deduct</i>	-219.36	
		<i>For Class 54 Rating, Add</i>	310.85	
		<i>For Class 55 Rating, Add</i>	468.16	
		<i>For Class 56 Rating, Add</i>	623.47	
40 05 19 00-0209	EA	14" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,099.75	648.99
		<i>For Class 52 Rating, Deduct</i>	-232.81	
		<i>For Class 54 Rating, Add</i>	329.27	
		<i>For Class 55 Rating, Add</i>	495.57	
		<i>For Class 56 Rating, Add</i>	659.75	
40 05 19 00-0210	EA	14" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,227.76	652.73
		<i>For Class 52 Rating, Deduct</i>	-246.26	
		<i>For Class 54 Rating, Add</i>	347.68	
		<i>For Class 55 Rating, Add</i>	522.98	
		<i>For Class 56 Rating, Add</i>	696.04	
40 05 19 00-0211	EA	14" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,355.75	656.48
		<i>For Class 52 Rating, Deduct</i>	-259.72	
		<i>For Class 54 Rating, Add</i>	366.10	
		<i>For Class 55 Rating, Add</i>	550.39	
		<i>For Class 56 Rating, Add</i>	732.33	
40 05 19 00-0212	EA	14" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,483.76	660.24
		<i>For Class 52 Rating, Deduct</i>	-273.17	
		<i>For Class 54 Rating, Add</i>	384.51	
		<i>For Class 55 Rating, Add</i>	577.81	
		<i>For Class 56 Rating, Add</i>	768.62	
40 05 19 00-0213	EA	14" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,611.75	663.99
		<i>For Class 52 Rating, Deduct</i>	-286.63	
		<i>For Class 54 Rating, Add</i>	402.93	
		<i>For Class 55 Rating, Add</i>	605.22	
		<i>For Class 56 Rating, Add</i>	804.90	
40 05 19 00-0214	EA	14" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,739.75	667.74
		<i>For Class 52 Rating, Deduct</i>	-300.08	
		<i>For Class 54 Rating, Add</i>	421.35	
		<i>For Class 55 Rating, Add</i>	632.63	
		<i>For Class 56 Rating, Add</i>	841.19	
40 05 19 00-0215	EA	14" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,867.75	671.49
		<i>For Class 52 Rating, Deduct</i>	-313.54	
		<i>For Class 54 Rating, Add</i>	439.76	
		<i>For Class 55 Rating, Add</i>	660.04	
		<i>For Class 56 Rating, Add</i>	877.48	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
40 05 19 00-0216	EA 14" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,995.75		675.24
	For Class 52 Rating, Deduct	-326.99		
	For Class 54 Rating, Add	458.17		
	For Class 55 Rating, Add	687.46		
	For Class 56 Rating, Add	913.76		
40 05 19 00-0217	EA 14" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,123.74		678.99
	For Class 52 Rating, Deduct	-340.45		
	For Class 54 Rating, Add	476.59		
	For Class 55 Rating, Add	714.87		
	For Class 56 Rating, Add	950.05		
40 05 19 00-0218	EA 14" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,251.74		682.74
	For Class 52 Rating, Deduct	-353.90		
	For Class 54 Rating, Add	495.01		
	For Class 55 Rating, Add	742.28		
	For Class 56 Rating, Add	986.34		
40 05 19 00-0219	EA 14" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,379.75		686.50
	For Class 52 Rating, Deduct	-367.36		
	For Class 54 Rating, Add	513.42		
	For Class 55 Rating, Add	769.69		
	For Class 56 Rating, Add	1,022.63		
40 05 19 00-0220	EA 14" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,507.74		690.25
	For Class 52 Rating, Deduct	-380.81		
	For Class 54 Rating, Add	531.84		
	For Class 55 Rating, Add	797.11		
	For Class 56 Rating, Add	1,058.91		
40 05 19 00-0221	EA 14" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,635.74		693.99
	For Class 52 Rating, Deduct	-394.27		
	For Class 54 Rating, Add	550.25		
	For Class 55 Rating, Add	824.52		
	For Class 56 Rating, Add	1,095.20		
40 05 19 00-0222	EA 14" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,763.74		697.75
	For Class 52 Rating, Deduct	-407.72		
	For Class 54 Rating, Add	568.67		
	For Class 55 Rating, Add	851.93		
	For Class 56 Rating, Add	1,131.49		
40 05 19 00-0223	EA 14" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,891.74		701.50
	For Class 52 Rating, Deduct	-421.17		
	For Class 54 Rating, Add	587.08		
	For Class 55 Rating, Add	879.34		
	For Class 56 Rating, Add	1,167.78		
40 05 19 00-0224	EA 14" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,019.73		705.26
	For Class 52 Rating, Deduct	-434.63		
	For Class 54 Rating, Add	605.50		
	For Class 55 Rating, Add	906.76		
	For Class 56 Rating, Add	1,204.06		
40 05 19 00-0225	EA 14" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,147.73		709.00
	For Class 52 Rating, Deduct	-448.08		
	For Class 54 Rating, Add	623.91		
	For Class 55 Rating, Add	934.17		
	For Class 56 Rating, Add	1,240.35		
40 05 19 00-0226	EA 14" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,275.73		712.75
	For Class 52 Rating, Deduct	-461.54		
	For Class 54 Rating, Add	642.33		
	For Class 55 Rating, Add	961.58		
	For Class 56 Rating, Add	1,276.64		
40 05 19 00-0227	EA 14" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,403.73		716.51
	For Class 52 Rating, Deduct	-474.99		
	For Class 54 Rating, Add	660.74		
	For Class 55 Rating, Add	988.99		
	For Class 56 Rating, Add	1,312.92		
40 05 19 00-0228	EA 14" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,531.73		720.25
	For Class 52 Rating, Deduct	-488.45		
	For Class 54 Rating, Add	679.16		
	For Class 55 Rating, Add	1,016.41		
	For Class 56 Rating, Add	1,349.21		
40 05 19 00-0229	EA 14" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,659.72		724.01
	For Class 52 Rating, Deduct	-501.90		
	For Class 54 Rating, Add	697.57		
	For Class 55 Rating, Add	1,043.82		
	For Class 56 Rating, Add	1,385.50		
40 05 19 00-0230	EA 14" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,787.73		727.76
	For Class 52 Rating, Deduct	-515.36		
	For Class 54 Rating, Add	715.99		
	For Class 55 Rating, Add	1,071.23		
	For Class 56 Rating, Add	1,421.79		
40 05 19 00-0231	EA 14" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,915.73		731.51
	For Class 52 Rating, Deduct	-528.81		
	For Class 54 Rating, Add	734.41		
	For Class 55 Rating, Add	1,098.64		
	For Class 56 Rating, Add	1,458.08		
40 05 19 00-0232	EA 14" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,043.72		735.26
	For Class 52 Rating, Deduct	-542.27		
	For Class 54 Rating, Add	752.82		
	For Class 55 Rating, Add	1,126.06		
	For Class 56 Rating, Add	1,494.36		
40 05 19 00-0233	EA 14" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,171.72		739.01
	For Class 52 Rating, Deduct	-555.72		
	For Class 54 Rating, Add	771.24		
	For Class 55 Rating, Add	1,153.47		
	For Class 56 Rating, Add	1,530.65		

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

40 05 19 00-0234	EA	14" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,299.72	742.77
		<i>For Class 52 Rating, Deduct</i>	-569.17	
		<i>For Class 54 Rating, Add</i>	789.65	
		<i>For Class 55 Rating, Add</i>	1,180.88	
		<i>For Class 56 Rating, Add</i>	1,566.94	
40 05 19 00-0235	EA	14" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,427.71	746.52
		<i>For Class 52 Rating, Deduct</i>	-582.63	
		<i>For Class 54 Rating, Add</i>	808.07	
		<i>For Class 55 Rating, Add</i>	1,208.29	
		<i>For Class 56 Rating, Add</i>	1,603.22	
40 05 19 00-0236	EA	14" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,555.71	750.26
		<i>For Class 52 Rating, Deduct</i>	-596.08	
		<i>For Class 54 Rating, Add</i>	826.48	
		<i>For Class 55 Rating, Add</i>	1,235.71	
		<i>For Class 56 Rating, Add</i>	1,639.51	
40 05 19 00-0237	EA	14" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,683.71	754.02
		<i>For Class 52 Rating, Deduct</i>	-609.54	
		<i>For Class 54 Rating, Add</i>	844.90	
		<i>For Class 55 Rating, Add</i>	1,263.12	
		<i>For Class 56 Rating, Add</i>	1,675.80	
40 05 19 00-0238	EA	14" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,811.71	757.77
		<i>For Class 52 Rating, Deduct</i>	-622.99	
		<i>For Class 54 Rating, Add</i>	863.31	
		<i>For Class 55 Rating, Add</i>	1,290.53	
		<i>For Class 56 Rating, Add</i>	1,712.09	
40 05 19 00-0239	EA	14" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,939.71	761.53
		<i>For Class 52 Rating, Deduct</i>	-636.45	
		<i>For Class 54 Rating, Add</i>	881.73	
		<i>For Class 55 Rating, Add</i>	1,317.95	
		<i>For Class 56 Rating, Add</i>	1,748.38	
40 05 19 00-0240	EA	14" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,067.70	765.27
		<i>For Class 52 Rating, Deduct</i>	-649.90	
		<i>For Class 54 Rating, Add</i>	900.14	
		<i>For Class 55 Rating, Add</i>	1,345.36	
		<i>For Class 56 Rating, Add</i>	1,784.66	
40 05 19 00-0241	EA	14" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,195.71	769.03
		<i>For Class 52 Rating, Deduct</i>	-663.36	
		<i>For Class 54 Rating, Add</i>	918.56	
		<i>For Class 55 Rating, Add</i>	1,372.77	
		<i>For Class 56 Rating, Add</i>	1,820.95	

**40 05 19 00-0242 16" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe**

(40 05 19 00-0002)

40 05 19 00-0243	EA	16" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,875.17	720.25
		<i>For Class 52 Rating, Deduct</i>	-196.23	
		<i>For Class 54 Rating, Add</i>	280.68	
		<i>For Class 55 Rating, Add</i>	423.99	
		<i>For Class 56 Rating, Add</i>	565.53	
40 05 19 00-0244	EA	16" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,023.78	724.01
		<i>For Class 52 Rating, Deduct</i>	-211.95	
		<i>For Class 54 Rating, Add</i>	302.18	
		<i>For Class 55 Rating, Add</i>	456.00	
		<i>For Class 56 Rating, Add</i>	607.90	
40 05 19 00-0245	EA	16" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,172.40	727.76
		<i>For Class 52 Rating, Deduct</i>	-227.67	
		<i>For Class 54 Rating, Add</i>	323.69	
		<i>For Class 55 Rating, Add</i>	488.01	
		<i>For Class 56 Rating, Add</i>	650.27	
40 05 19 00-0246	EA	16" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,321.02	731.51
		<i>For Class 52 Rating, Deduct</i>	-243.39	
		<i>For Class 54 Rating, Add</i>	345.20	
		<i>For Class 55 Rating, Add</i>	520.02	
		<i>For Class 56 Rating, Add</i>	692.64	
40 05 19 00-0247	EA	16" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,469.61	735.26
		<i>For Class 52 Rating, Deduct</i>	-259.11	
		<i>For Class 54 Rating, Add</i>	366.71	
		<i>For Class 55 Rating, Add</i>	552.03	
		<i>For Class 56 Rating, Add</i>	735.00	
40 05 19 00-0248	EA	16" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,618.23	739.01
		<i>For Class 52 Rating, Deduct</i>	-274.84	
		<i>For Class 54 Rating, Add</i>	388.21	
		<i>For Class 55 Rating, Add</i>	584.04	
		<i>For Class 56 Rating, Add</i>	777.37	
40 05 19 00-0249	EA	16" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,766.85	742.77
		<i>For Class 52 Rating, Deduct</i>	-290.56	
		<i>For Class 54 Rating, Add</i>	409.72	
		<i>For Class 55 Rating, Add</i>	616.05	
		<i>For Class 56 Rating, Add</i>	819.74	
40 05 19 00-0250	EA	16" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,915.45	746.52
		<i>For Class 52 Rating, Deduct</i>	-306.28	
		<i>For Class 54 Rating, Add</i>	431.23	
		<i>For Class 55 Rating, Add</i>	648.06	
		<i>For Class 56 Rating, Add</i>	862.11	
40 05 19 00-0251	EA	16" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,064.07	750.26
		<i>For Class 52 Rating, Deduct</i>	-322.00	
		<i>For Class 54 Rating, Add</i>	452.74	
		<i>For Class 55 Rating, Add</i>	680.07	
		<i>For Class 56 Rating, Add</i>	904.48	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0252	EA		16" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,212.68	754.02
			For Class 52 Rating, Deduct	-337.73	
			For Class 54 Rating, Add	474.24	
			For Class 55 Rating, Add	712.08	
			For Class 56 Rating, Add	946.85	
40 05 19 00-0253	EA		16" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,361.30	757.77
			For Class 52 Rating, Deduct	-353.45	
			For Class 54 Rating, Add	495.75	
			For Class 55 Rating, Add	744.09	
			For Class 56 Rating, Add	989.22	
40 05 19 00-0254	EA		16" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,509.91	761.53
			For Class 52 Rating, Deduct	-369.17	
			For Class 54 Rating, Add	517.26	
			For Class 55 Rating, Add	776.10	
			For Class 56 Rating, Add	1,031.58	
40 05 19 00-0255	EA		16" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,658.52	765.27
			For Class 52 Rating, Deduct	-384.89	
			For Class 54 Rating, Add	538.77	
			For Class 55 Rating, Add	808.11	
			For Class 56 Rating, Add	1,073.95	
40 05 19 00-0256	EA		16" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,807.14	769.03
			For Class 52 Rating, Deduct	-400.61	
			For Class 54 Rating, Add	560.27	
			For Class 55 Rating, Add	840.12	
			For Class 56 Rating, Add	1,116.32	
40 05 19 00-0257	EA		16" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,955.76	772.78
			For Class 52 Rating, Deduct	-416.34	
			For Class 54 Rating, Add	581.78	
			For Class 55 Rating, Add	872.13	
			For Class 56 Rating, Add	1,158.69	
40 05 19 00-0258	EA		16" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,104.36	776.52
			For Class 52 Rating, Deduct	-432.06	
			For Class 54 Rating, Add	603.29	
			For Class 55 Rating, Add	904.14	
			For Class 56 Rating, Add	1,201.06	
40 05 19 00-0259	EA		16" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,252.98	780.28
			For Class 52 Rating, Deduct	-447.78	
			For Class 54 Rating, Add	624.80	
			For Class 55 Rating, Add	936.15	
			For Class 56 Rating, Add	1,243.43	
40 05 19 00-0260	EA		16" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,401.60	784.03
			For Class 52 Rating, Deduct	-463.50	
			For Class 54 Rating, Add	646.31	
			For Class 55 Rating, Add	968.16	
			For Class 56 Rating, Add	1,285.80	
40 05 19 00-0261	EA		16" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,550.20	787.79
			For Class 52 Rating, Deduct	-479.22	
			For Class 54 Rating, Add	667.81	
			For Class 55 Rating, Add	1,000.17	
			For Class 56 Rating, Add	1,328.16	
40 05 19 00-0262	EA		16" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,698.81	791.53
			For Class 52 Rating, Deduct	-494.95	
			For Class 54 Rating, Add	689.32	
			For Class 55 Rating, Add	1,032.18	
			For Class 56 Rating, Add	1,370.53	
40 05 19 00-0263	EA		16" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,847.43	795.28
			For Class 52 Rating, Deduct	-510.67	
			For Class 54 Rating, Add	710.83	
			For Class 55 Rating, Add	1,064.19	
			For Class 56 Rating, Add	1,412.90	
40 05 19 00-0264	EA		16" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,996.04	799.04
			For Class 52 Rating, Deduct	-526.39	
			For Class 54 Rating, Add	732.33	
			For Class 55 Rating, Add	1,096.20	
			For Class 56 Rating, Add	1,455.27	
40 05 19 00-0265	EA		16" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,144.65	802.79
			For Class 52 Rating, Deduct	-542.11	
			For Class 54 Rating, Add	753.84	
			For Class 55 Rating, Add	1,128.21	
			For Class 56 Rating, Add	1,497.64	
40 05 19 00-0266	EA		16" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,293.27	806.54
			For Class 52 Rating, Deduct	-557.84	
			For Class 54 Rating, Add	775.35	
			For Class 55 Rating, Add	1,160.22	
			For Class 56 Rating, Add	1,540.01	
40 05 19 00-0267	EA		16" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,441.88	810.29
			For Class 52 Rating, Deduct	-573.56	
			For Class 54 Rating, Add	796.86	
			For Class 55 Rating, Add	1,192.22	
			For Class 56 Rating, Add	1,582.38	
40 05 19 00-0268	EA		16" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,590.50	814.04
			For Class 52 Rating, Deduct	-589.28	
			For Class 54 Rating, Add	818.37	
			For Class 55 Rating, Add	1,224.23	
			For Class 56 Rating, Add	1,624.75	
40 05 19 00-0269	EA		16" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,739.11	817.80
			For Class 52 Rating, Deduct	-605.00	
			For Class 54 Rating, Add	839.87	
			For Class 55 Rating, Add	1,256.24	
			For Class 56 Rating, Add	1,667.12	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

40 05 19 00-0270	EA 16" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,887.72	821.54
	For Class 52 Rating, Deduct	-620.73	
	For Class 54 Rating, Add	861.38	
	For Class 55 Rating, Add	1,288.25	
	For Class 56 Rating, Add	1,709.48	
40 05 19 00-0271	EA 16" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,036.34	825.30
	For Class 52 Rating, Deduct	-636.45	
	For Class 54 Rating, Add	882.89	
	For Class 55 Rating, Add	1,320.26	
	For Class 56 Rating, Add	1,751.85	
40 05 19 00-0272	EA 16" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,184.96	829.05
	For Class 52 Rating, Deduct	-652.17	
	For Class 54 Rating, Add	904.40	
	For Class 55 Rating, Add	1,352.27	
	For Class 56 Rating, Add	1,794.22	
40 05 19 00-0273	EA 16" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,333.56	832.79
	For Class 52 Rating, Deduct	-667.89	
	For Class 54 Rating, Add	925.90	
	For Class 55 Rating, Add	1,384.28	
	For Class 56 Rating, Add	1,836.59	
40 05 19 00-0274	EA 16" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,482.18	836.55
	For Class 52 Rating, Deduct	-683.61	
	For Class 54 Rating, Add	947.41	
	For Class 55 Rating, Add	1,416.29	
	For Class 56 Rating, Add	1,878.96	
40 05 19 00-0275	EA 16" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,630.79	840.30
	For Class 52 Rating, Deduct	-699.34	
	For Class 54 Rating, Add	968.92	
	For Class 55 Rating, Add	1,448.30	
	For Class 56 Rating, Add	1,921.33	
40 05 19 00-0276	EA 16" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,779.39	844.06
	For Class 52 Rating, Deduct	-715.06	
	For Class 54 Rating, Add	990.43	
	For Class 55 Rating, Add	1,480.31	
	For Class 56 Rating, Add	1,963.70	
40 05 19 00-0277	EA 16" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,928.01	847.80
	For Class 52 Rating, Deduct	-730.78	
	For Class 54 Rating, Add	1,011.93	
	For Class 55 Rating, Add	1,512.32	
	For Class 56 Rating, Add	2,006.06	
40 05 19 00-0278	EA 16" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,076.62	851.55
	For Class 52 Rating, Deduct	-746.50	
	For Class 54 Rating, Add	1,033.44	
	For Class 55 Rating, Add	1,544.33	
	For Class 56 Rating, Add	2,048.43	
40 05 19 00-0279	EA 16" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,225.24	855.31
	For Class 52 Rating, Deduct	-762.23	
	For Class 54 Rating, Add	1,054.95	
	For Class 55 Rating, Add	1,576.34	
	For Class 56 Rating, Add	2,090.80	
40 05 19 00-0280	EA 16" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,373.85	859.06
	For Class 52 Rating, Deduct	-777.95	
	For Class 54 Rating, Add	1,076.46	
	For Class 55 Rating, Add	1,608.35	
	For Class 56 Rating, Add	2,133.17	

**40 05 19 00-0281 18" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe**

(40 05 19 00-0002)

40 05 19 00-0282	EA 18" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,332.70	811.80
	For Class 52 Rating, Deduct	-231.30	
	For Class 54 Rating, Add	330.17	
	For Class 55 Rating, Add	498.42	
	For Class 56 Rating, Add	664.58	
40 05 19 00-0283	EA 18" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,503.30	815.54
	For Class 52 Rating, Deduct	-249.44	
	For Class 54 Rating, Add	354.97	
	For Class 55 Rating, Add	535.34	
	For Class 56 Rating, Add	713.43	
40 05 19 00-0284	EA 18" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,673.90	819.29
	For Class 52 Rating, Deduct	-267.58	
	For Class 54 Rating, Add	379.78	
	For Class 55 Rating, Add	572.25	
	For Class 56 Rating, Add	762.29	
40 05 19 00-0285	EA 18" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,844.50	823.05
	For Class 52 Rating, Deduct	-285.72	
	For Class 54 Rating, Add	404.58	
	For Class 55 Rating, Add	609.16	
	For Class 56 Rating, Add	811.14	
40 05 19 00-0286	EA 18" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,015.10	826.79
	For Class 52 Rating, Deduct	-303.86	
	For Class 54 Rating, Add	429.39	
	For Class 55 Rating, Add	646.08	
	For Class 56 Rating, Add	860.00	
40 05 19 00-0287	EA 18" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,185.71	830.55
	For Class 52 Rating, Deduct	-322.00	
	For Class 54 Rating, Add	454.20	
	For Class 55 Rating, Add	682.99	
	For Class 56 Rating, Add	908.86	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0288 EA 18" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,356.30	834.30
For Class 52 Rating, Deduct	-340.14	
For Class 54 Rating, Add	479.00	
For Class 55 Rating, Add	719.90	
For Class 56 Rating, Add	957.71	
40 05 19 00-0289 EA 18" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,526.91	838.05
For Class 52 Rating, Deduct	-358.29	
For Class 54 Rating, Add	503.81	
For Class 55 Rating, Add	756.82	
For Class 56 Rating, Add	1,006.57	
40 05 19 00-0290 EA 18" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,697.52	841.80
For Class 52 Rating, Deduct	-376.43	
For Class 54 Rating, Add	528.61	
For Class 55 Rating, Add	793.73	
For Class 56 Rating, Add	1,055.42	
40 05 19 00-0291 EA 18" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,868.12	845.55
For Class 52 Rating, Deduct	-394.57	
For Class 54 Rating, Add	553.42	
For Class 55 Rating, Add	830.64	
For Class 56 Rating, Add	1,104.28	
40 05 19 00-0292 EA 18" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,038.71	849.31
For Class 52 Rating, Deduct	-412.71	
For Class 54 Rating, Add	578.23	
For Class 55 Rating, Add	867.56	
For Class 56 Rating, Add	1,153.13	
40 05 19 00-0293 EA 18" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,209.32	853.06
For Class 52 Rating, Deduct	-430.85	
For Class 54 Rating, Add	603.03	
For Class 55 Rating, Add	904.47	
For Class 56 Rating, Add	1,201.99	
40 05 19 00-0294 EA 18" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,379.92	856.80
For Class 52 Rating, Deduct	-448.99	
For Class 54 Rating, Add	627.84	
For Class 55 Rating, Add	941.38	
For Class 56 Rating, Add	1,250.85	
40 05 19 00-0295 EA 18" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,550.52	860.56
For Class 52 Rating, Deduct	-467.13	
For Class 54 Rating, Add	652.64	
For Class 55 Rating, Add	978.30	
For Class 56 Rating, Add	1,299.70	
40 05 19 00-0296 EA 18" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,721.13	864.31
For Class 52 Rating, Deduct	-485.27	
For Class 54 Rating, Add	677.45	
For Class 55 Rating, Add	1,015.21	
For Class 56 Rating, Add	1,348.56	
40 05 19 00-0297 EA 18" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,891.73	868.07
For Class 52 Rating, Deduct	-503.41	
For Class 54 Rating, Add	702.26	
For Class 55 Rating, Add	1,052.12	
For Class 56 Rating, Add	1,397.41	
40 05 19 00-0298 EA 18" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,062.33	871.81
For Class 52 Rating, Deduct	-521.55	
For Class 54 Rating, Add	727.06	
For Class 55 Rating, Add	1,089.03	
For Class 56 Rating, Add	1,446.27	
40 05 19 00-0299 EA 18" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,232.93	875.56
For Class 52 Rating, Deduct	-539.70	
For Class 54 Rating, Add	751.87	
For Class 55 Rating, Add	1,125.95	
For Class 56 Rating, Add	1,495.12	
40 05 19 00-0300 EA 18" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,403.53	879.32
For Class 52 Rating, Deduct	-557.84	
For Class 54 Rating, Add	776.67	
For Class 55 Rating, Add	1,162.86	
For Class 56 Rating, Add	1,543.98	
40 05 19 00-0301 EA 18" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,574.14	883.06
For Class 52 Rating, Deduct	-575.98	
For Class 54 Rating, Add	801.48	
For Class 55 Rating, Add	1,199.78	
For Class 56 Rating, Add	1,592.83	
40 05 19 00-0302 EA 18" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,744.75	886.82
For Class 52 Rating, Deduct	-594.12	
For Class 54 Rating, Add	826.29	
For Class 55 Rating, Add	1,236.69	
For Class 56 Rating, Add	1,641.69	
40 05 19 00-0303 EA 18" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,915.34	890.57
For Class 52 Rating, Deduct	-612.26	
For Class 54 Rating, Add	851.09	
For Class 55 Rating, Add	1,273.60	
For Class 56 Rating, Add	1,690.55	
40 05 19 00-0304 EA 18" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,085.94	894.32
For Class 52 Rating, Deduct	-630.40	
For Class 54 Rating, Add	875.90	
For Class 55 Rating, Add	1,310.51	
For Class 56 Rating, Add	1,739.40	
40 05 19 00-0305 EA 18" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,256.55	898.07
For Class 52 Rating, Deduct	-648.54	
For Class 54 Rating, Add	900.70	
For Class 55 Rating, Add	1,347.43	
For Class 56 Rating, Add	1,788.26	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

40 05 19 00-0306	EA	18" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,427.15	901.82
		<i>For Class 52 Rating, Deduct</i>	-666.68	
		<i>For Class 54 Rating, Add</i>	925.51	
		<i>For Class 55 Rating, Add</i>	1,384.34	
		<i>For Class 56 Rating, Add</i>	1,837.11	
40 05 19 00-0307	EA	18" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,597.75	905.58
		<i>For Class 52 Rating, Deduct</i>	-684.82	
		<i>For Class 54 Rating, Add</i>	950.32	
		<i>For Class 55 Rating, Add</i>	1,421.25	
		<i>For Class 56 Rating, Add</i>	1,885.97	
40 05 19 00-0308	EA	18" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,768.36	909.33
		<i>For Class 52 Rating, Deduct</i>	-702.96	
		<i>For Class 54 Rating, Add</i>	975.12	
		<i>For Class 55 Rating, Add</i>	1,458.17	
		<i>For Class 56 Rating, Add</i>	1,934.82	
40 05 19 00-0309	EA	18" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,938.96	913.07
		<i>For Class 52 Rating, Deduct</i>	-721.11	
		<i>For Class 54 Rating, Add</i>	999.93	
		<i>For Class 55 Rating, Add</i>	1,495.08	
		<i>For Class 56 Rating, Add</i>	1,983.68	
40 05 19 00-0310	EA	18" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,109.55	916.83
		<i>For Class 52 Rating, Deduct</i>	-739.25	
		<i>For Class 54 Rating, Add</i>	1,024.73	
		<i>For Class 55 Rating, Add</i>	1,531.99	
		<i>For Class 56 Rating, Add</i>	2,032.53	
40 05 19 00-0311	EA	18" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,280.16	920.58
		<i>For Class 52 Rating, Deduct</i>	-757.39	
		<i>For Class 54 Rating, Add</i>	1,049.54	
		<i>For Class 55 Rating, Add</i>	1,568.91	
		<i>For Class 56 Rating, Add</i>	2,081.39	
40 05 19 00-0312	EA	18" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,450.76	924.33
		<i>For Class 52 Rating, Deduct</i>	-775.53	
		<i>For Class 54 Rating, Add</i>	1,074.35	
		<i>For Class 55 Rating, Add</i>	1,605.82	
		<i>For Class 56 Rating, Add</i>	2,130.24	
40 05 19 00-0313	EA	18" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,621.37	928.08
		<i>For Class 52 Rating, Deduct</i>	-793.67	
		<i>For Class 54 Rating, Add</i>	1,099.15	
		<i>For Class 55 Rating, Add</i>	1,642.73	
		<i>For Class 56 Rating, Add</i>	2,179.10	
40 05 19 00-0314	EA	18" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,791.96	931.83
		<i>For Class 52 Rating, Deduct</i>	-811.81	
		<i>For Class 54 Rating, Add</i>	1,123.96	
		<i>For Class 55 Rating, Add</i>	1,679.65	
		<i>For Class 56 Rating, Add</i>	2,227.96	
40 05 19 00-0315	EA	18" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,962.57	935.59
		<i>For Class 52 Rating, Deduct</i>	-829.95	
		<i>For Class 54 Rating, Add</i>	1,148.76	
		<i>For Class 55 Rating, Add</i>	1,716.56	
		<i>For Class 56 Rating, Add</i>	2,276.81	
40 05 19 00-0316	EA	18" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,133.18	939.33
		<i>For Class 52 Rating, Deduct</i>	-848.09	
		<i>For Class 54 Rating, Add</i>	1,173.57	
		<i>For Class 55 Rating, Add</i>	1,753.47	
		<i>For Class 56 Rating, Add</i>	2,325.67	
40 05 19 00-0317	EA	18" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,303.77	943.09
		<i>For Class 52 Rating, Deduct</i>	-866.23	
		<i>For Class 54 Rating, Add</i>	1,198.37	
		<i>For Class 55 Rating, Add</i>	1,790.39	
		<i>For Class 56 Rating, Add</i>	2,374.52	
40 05 19 00-0318	EA	18" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,474.37	946.84
		<i>For Class 52 Rating, Deduct</i>	-884.37	
		<i>For Class 54 Rating, Add</i>	1,223.18	
		<i>For Class 55 Rating, Add</i>	1,827.30	
		<i>For Class 56 Rating, Add</i>	2,423.38	
40 05 19 00-0319	EA	18" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,644.98	950.59
		<i>For Class 52 Rating, Deduct</i>	-902.52	
		<i>For Class 54 Rating, Add</i>	1,247.99	
		<i>For Class 55 Rating, Add</i>	1,864.21	
		<i>For Class 56 Rating, Add</i>	2,472.23	

**40 05 19 00-0320 20" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe**

(40 05 19 00-0002)

40 05 19 00-0321	EA	20" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,890.06	926.58
		<i>For Class 52 Rating, Deduct</i>	-273.48	
		<i>For Class 54 Rating, Add</i>	389.77	
		<i>For Class 55 Rating, Add</i>	588.10	
		<i>For Class 56 Rating, Add</i>	783.95	
40 05 19 00-0322	EA	20" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,085.39	930.33
		<i>For Class 52 Rating, Deduct</i>	-294.34	
		<i>For Class 54 Rating, Add</i>	418.29	
		<i>For Class 55 Rating, Add</i>	630.53	
		<i>For Class 56 Rating, Add</i>	840.11	
40 05 19 00-0323	EA	20" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,280.74	934.08
		<i>For Class 52 Rating, Deduct</i>	-315.20	
		<i>For Class 54 Rating, Add</i>	446.80	
		<i>For Class 55 Rating, Add</i>	672.96	
		<i>For Class 56 Rating, Add</i>	896.26	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0324	EA		20" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,476.08	937.84
			For Class 52 Rating, Deduct	-336.06	
			For Class 54 Rating, Add	475.32	
			For Class 55 Rating, Add	715.39	
			For Class 56 Rating, Add	952.41	
40 05 19 00-0325	EA		20" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,671.41	941.59
			For Class 52 Rating, Deduct	-356.92	
			For Class 54 Rating, Add	503.84	
			For Class 55 Rating, Add	757.82	
			For Class 56 Rating, Add	1,008.57	
40 05 19 00-0326	EA		20" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,866.76	945.33
			For Class 52 Rating, Deduct	-377.79	
			For Class 54 Rating, Add	532.35	
			For Class 55 Rating, Add	800.25	
			For Class 56 Rating, Add	1,064.72	
40 05 19 00-0327	EA		20" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,062.09	949.09
			For Class 52 Rating, Deduct	-398.65	
			For Class 54 Rating, Add	560.87	
			For Class 55 Rating, Add	842.68	
			For Class 56 Rating, Add	1,120.87	
40 05 19 00-0328	EA		20" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,257.44	952.84
			For Class 52 Rating, Deduct	-419.51	
			For Class 54 Rating, Add	589.39	
			For Class 55 Rating, Add	885.11	
			For Class 56 Rating, Add	1,177.03	
40 05 19 00-0329	EA		20" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,452.77	956.60
			For Class 52 Rating, Deduct	-440.37	
			For Class 54 Rating, Add	617.90	
			For Class 55 Rating, Add	927.54	
			For Class 56 Rating, Add	1,233.18	
40 05 19 00-0330	EA		20" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,648.11	960.34
			For Class 52 Rating, Deduct	-461.24	
			For Class 54 Rating, Add	646.42	
			For Class 55 Rating, Add	969.97	
			For Class 56 Rating, Add	1,289.33	
40 05 19 00-0331	EA		20" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,843.46	964.09
			For Class 52 Rating, Deduct	-482.10	
			For Class 54 Rating, Add	674.94	
			For Class 55 Rating, Add	1,012.40	
			For Class 56 Rating, Add	1,345.49	
40 05 19 00-0332	EA		20" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,038.80	967.85
			For Class 52 Rating, Deduct	-502.96	
			For Class 54 Rating, Add	703.45	
			For Class 55 Rating, Add	1,054.83	
			For Class 56 Rating, Add	1,401.64	
40 05 19 00-0333	EA		20" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,234.13	971.60
			For Class 52 Rating, Deduct	-523.82	
			For Class 54 Rating, Add	731.97	
			For Class 55 Rating, Add	1,097.26	
			For Class 56 Rating, Add	1,457.79	
40 05 19 00-0334	EA		20" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,429.48	975.35
			For Class 52 Rating, Deduct	-544.68	
			For Class 54 Rating, Add	760.49	
			For Class 55 Rating, Add	1,139.69	
			For Class 56 Rating, Add	1,513.95	
40 05 19 00-0335	EA		20" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,624.82	979.10
			For Class 52 Rating, Deduct	-565.55	
			For Class 54 Rating, Add	789.00	
			For Class 55 Rating, Add	1,182.12	
			For Class 56 Rating, Add	1,570.10	
40 05 19 00-0336	EA		20" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,820.16	982.85
			For Class 52 Rating, Deduct	-586.41	
			For Class 54 Rating, Add	817.52	
			For Class 55 Rating, Add	1,224.55	
			For Class 56 Rating, Add	1,626.25	
40 05 19 00-0337	EA		20" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,015.49	986.60
			For Class 52 Rating, Deduct	-607.27	
			For Class 54 Rating, Add	846.03	
			For Class 55 Rating, Add	1,266.98	
			For Class 56 Rating, Add	1,682.40	
40 05 19 00-0338	EA		20" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,210.84	990.35
			For Class 52 Rating, Deduct	-628.13	
			For Class 54 Rating, Add	874.55	
			For Class 55 Rating, Add	1,309.41	
			For Class 56 Rating, Add	1,738.56	
40 05 19 00-0339	EA		20" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,406.18	994.11
			For Class 52 Rating, Deduct	-649.00	
			For Class 54 Rating, Add	903.07	
			For Class 55 Rating, Add	1,351.84	
			For Class 56 Rating, Add	1,794.71	
40 05 19 00-0340	EA		20" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,601.51	997.86
			For Class 52 Rating, Deduct	-669.86	
			For Class 54 Rating, Add	931.58	
			For Class 55 Rating, Add	1,394.27	
			For Class 56 Rating, Add	1,850.86	
40 05 19 00-0341	EA		20" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,796.86	1,001.60
			For Class 52 Rating, Deduct	-690.72	
			For Class 54 Rating, Add	960.10	
			For Class 55 Rating, Add	1,436.70	
			For Class 56 Rating, Add	1,907.02	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

40 05 19 00-0342	EA	20" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,992.19	1,005.36
		<i>For Class 52 Rating, Deduct</i>	-711.58	
		<i>For Class 54 Rating, Add</i>	988.62	
		<i>For Class 55 Rating, Add</i>	1,479.13	
		<i>For Class 56 Rating, Add</i>	1,963.17	
40 05 19 00-0343	EA	20" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,187.54	1,009.11
		<i>For Class 52 Rating, Deduct</i>	-732.44	
		<i>For Class 54 Rating, Add</i>	1,017.13	
		<i>For Class 55 Rating, Add</i>	1,521.56	
		<i>For Class 56 Rating, Add</i>	2,019.32	
40 05 19 00-0344	EA	20" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,382.88	1,012.87
		<i>For Class 52 Rating, Deduct</i>	-753.31	
		<i>For Class 54 Rating, Add</i>	1,045.65	
		<i>For Class 55 Rating, Add</i>	1,563.99	
		<i>For Class 56 Rating, Add</i>	2,075.48	
40 05 19 00-0345	EA	20" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,578.21	1,016.61
		<i>For Class 52 Rating, Deduct</i>	-774.17	
		<i>For Class 54 Rating, Add</i>	1,074.17	
		<i>For Class 55 Rating, Add</i>	1,606.42	
		<i>For Class 56 Rating, Add</i>	2,131.63	
40 05 19 00-0346	EA	20" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,773.56	1,020.36
		<i>For Class 52 Rating, Deduct</i>	-795.03	
		<i>For Class 54 Rating, Add</i>	1,102.68	
		<i>For Class 55 Rating, Add</i>	1,648.85	
		<i>For Class 56 Rating, Add</i>	2,187.78	
40 05 19 00-0347	EA	20" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,968.90	1,024.12
		<i>For Class 52 Rating, Deduct</i>	-815.89	
		<i>For Class 54 Rating, Add</i>	1,131.20	
		<i>For Class 55 Rating, Add</i>	1,691.28	
		<i>For Class 56 Rating, Add</i>	2,243.94	
40 05 19 00-0348	EA	20" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,164.23	1,027.86
		<i>For Class 52 Rating, Deduct</i>	-836.75	
		<i>For Class 54 Rating, Add</i>	1,159.72	
		<i>For Class 55 Rating, Add</i>	1,733.71	
		<i>For Class 56 Rating, Add</i>	2,300.09	
40 05 19 00-0349	EA	20" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,359.58	1,031.62
		<i>For Class 52 Rating, Deduct</i>	-857.62	
		<i>For Class 54 Rating, Add</i>	1,188.23	
		<i>For Class 55 Rating, Add</i>	1,776.14	
		<i>For Class 56 Rating, Add</i>	2,356.24	
40 05 19 00-0350	EA	20" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,554.92	1,035.37
		<i>For Class 52 Rating, Deduct</i>	-878.48	
		<i>For Class 54 Rating, Add</i>	1,216.75	
		<i>For Class 55 Rating, Add</i>	1,818.57	
		<i>For Class 56 Rating, Add</i>	2,412.40	
40 05 19 00-0351	EA	20" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,750.25	1,039.12
		<i>For Class 52 Rating, Deduct</i>	-899.34	
		<i>For Class 54 Rating, Add</i>	1,245.27	
		<i>For Class 55 Rating, Add</i>	1,861.00	
		<i>For Class 56 Rating, Add</i>	2,468.55	
40 05 19 00-0352	EA	20" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,945.60	1,042.87
		<i>For Class 52 Rating, Deduct</i>	-920.20	
		<i>For Class 54 Rating, Add</i>	1,273.78	
		<i>For Class 55 Rating, Add</i>	1,903.43	
		<i>For Class 56 Rating, Add</i>	2,524.70	
40 05 19 00-0353	EA	20" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,140.93	1,046.62
		<i>For Class 52 Rating, Deduct</i>	-941.07	
		<i>For Class 54 Rating, Add</i>	1,302.30	
		<i>For Class 55 Rating, Add</i>	1,945.86	
		<i>For Class 56 Rating, Add</i>	2,580.85	
40 05 19 00-0354	EA	20" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,336.28	1,050.38
		<i>For Class 52 Rating, Deduct</i>	-961.93	
		<i>For Class 54 Rating, Add</i>	1,330.82	
		<i>For Class 55 Rating, Add</i>	1,988.29	
		<i>For Class 56 Rating, Add</i>	2,637.01	
40 05 19 00-0355	EA	20" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,531.61	1,054.13
		<i>For Class 52 Rating, Deduct</i>	-982.79	
		<i>For Class 54 Rating, Add</i>	1,359.33	
		<i>For Class 55 Rating, Add</i>	2,030.71	
		<i>For Class 56 Rating, Add</i>	2,693.16	
40 05 19 00-0356	EA	20" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,726.95	1,057.88
		<i>For Class 52 Rating, Deduct</i>	-1,003.65	
		<i>For Class 54 Rating, Add</i>	1,387.85	
		<i>For Class 55 Rating, Add</i>	2,073.14	
		<i>For Class 56 Rating, Add</i>	2,749.31	
40 05 19 00-0357	EA	20" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,922.30	1,061.63
		<i>For Class 52 Rating, Deduct</i>	-1,024.51	
		<i>For Class 54 Rating, Add</i>	1,416.37	
		<i>For Class 55 Rating, Add</i>	2,115.58	
		<i>For Class 56 Rating, Add</i>	2,805.47	
40 05 19 00-0358	EA	20" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,117.64	1,065.38
		<i>For Class 52 Rating, Deduct</i>	-1,045.38	
		<i>For Class 54 Rating, Add</i>	1,444.88	
		<i>For Class 55 Rating, Add</i>	2,158.00	
		<i>For Class 56 Rating, Add</i>	2,861.62	

 40 05 19 00-0359 24" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat,  
 Ductile Iron Pipe (40 05 19 00-0002)

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0360 EA 24" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,762.89	1,095.40
For Class 52 Rating, Deduct	-341.35	
For Class 54 Rating, Add	485.40	
For Class 55 Rating, Add	731.85	
For Class 56 Rating, Add	975.20	
40 05 19 00-0361 EA 24" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,003.59	1,099.14
For Class 52 Rating, Deduct	-367.20	
For Class 54 Rating, Add	520.72	
For Class 55 Rating, Add	784.39	
For Class 56 Rating, Add	1,044.73	
40 05 19 00-0362 EA 24" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,244.28	1,102.89
For Class 52 Rating, Deduct	-393.06	
For Class 54 Rating, Add	556.04	
For Class 55 Rating, Add	836.94	
For Class 56 Rating, Add	1,114.26	
40 05 19 00-0363 EA 24" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,484.98	1,106.65
For Class 52 Rating, Deduct	-418.91	
For Class 54 Rating, Add	591.36	
For Class 55 Rating, Add	889.48	
For Class 56 Rating, Add	1,183.79	
40 05 19 00-0364 EA 24" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,725.67	1,110.40
For Class 52 Rating, Deduct	-444.76	
For Class 54 Rating, Add	626.68	
For Class 55 Rating, Add	942.02	
For Class 56 Rating, Add	1,253.33	
40 05 19 00-0365 EA 24" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,966.36	1,114.15
For Class 52 Rating, Deduct	-470.61	
For Class 54 Rating, Add	662.00	
For Class 55 Rating, Add	994.57	
For Class 56 Rating, Add	1,322.86	
40 05 19 00-0366 EA 24" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,207.06	1,117.90
For Class 52 Rating, Deduct	-496.46	
For Class 54 Rating, Add	697.32	
For Class 55 Rating, Add	1,047.11	
For Class 56 Rating, Add	1,392.39	
40 05 19 00-0367 EA 24" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,447.76	1,121.65
For Class 52 Rating, Deduct	-522.31	
For Class 54 Rating, Add	732.64	
For Class 55 Rating, Add	1,099.65	
For Class 56 Rating, Add	1,461.92	
40 05 19 00-0368 EA 24" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,688.43	1,125.41
For Class 52 Rating, Deduct	-548.16	
For Class 54 Rating, Add	767.95	
For Class 55 Rating, Add	1,152.20	
For Class 56 Rating, Add	1,531.45	
40 05 19 00-0369 EA 24" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,929.13	1,129.15
For Class 52 Rating, Deduct	-574.01	
For Class 54 Rating, Add	803.27	
For Class 55 Rating, Add	1,204.74	
For Class 56 Rating, Add	1,600.99	
40 05 19 00-0370 EA 24" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,169.83	1,132.91
For Class 52 Rating, Deduct	-599.86	
For Class 54 Rating, Add	838.59	
For Class 55 Rating, Add	1,257.28	
For Class 56 Rating, Add	1,670.52	
40 05 19 00-0371 EA 24" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,410.52	1,136.66
For Class 52 Rating, Deduct	-625.71	
For Class 54 Rating, Add	873.91	
For Class 55 Rating, Add	1,309.83	
For Class 56 Rating, Add	1,740.05	
40 05 19 00-0372 EA 24" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,651.21	1,140.40
For Class 52 Rating, Deduct	-651.57	
For Class 54 Rating, Add	909.23	
For Class 55 Rating, Add	1,362.37	
For Class 56 Rating, Add	1,809.58	
40 05 19 00-0373 EA 24" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,891.90	1,144.16
For Class 52 Rating, Deduct	-677.42	
For Class 54 Rating, Add	944.55	
For Class 55 Rating, Add	1,414.91	
For Class 56 Rating, Add	1,879.12	
40 05 19 00-0374 EA 24" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,132.60	1,147.91
For Class 52 Rating, Deduct	-703.27	
For Class 54 Rating, Add	979.87	
For Class 55 Rating, Add	1,467.46	
For Class 56 Rating, Add	1,948.65	
40 05 19 00-0375 EA 24" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,373.29	1,151.67
For Class 52 Rating, Deduct	-729.12	
For Class 54 Rating, Add	1,015.19	
For Class 55 Rating, Add	1,520.00	
For Class 56 Rating, Add	2,018.18	
40 05 19 00-0376 EA 24" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,613.97	1,155.41
For Class 52 Rating, Deduct	-754.97	
For Class 54 Rating, Add	1,050.51	
For Class 55 Rating, Add	1,572.54	
For Class 56 Rating, Add	2,087.71	
40 05 19 00-0377 EA 24" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,854.67	1,159.16
For Class 52 Rating, Deduct	-780.82	
For Class 54 Rating, Add	1,085.83	
For Class 55 Rating, Add	1,625.09	
For Class 56 Rating, Add	2,157.24	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT  
UNIT COSTDEMOLITION  
UNIT COST

40 05 19 00-0378	EA 24" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,095.37	1,162.92
	For Class 52 Rating, Deduct	-806.67	
	For Class 54 Rating, Add	1,121.15	
	For Class 55 Rating, Add	1,677.63	
	For Class 56 Rating, Add	2,226.78	
40 05 19 00-0379	EA 24" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,336.05	1,166.67
	For Class 52 Rating, Deduct	-832.52	
	For Class 54 Rating, Add	1,156.47	
	For Class 55 Rating, Add	1,730.17	
	For Class 56 Rating, Add	2,296.31	
40 05 19 00-0380	EA 24" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,576.75	1,170.42
	For Class 52 Rating, Deduct	-858.37	
	For Class 54 Rating, Add	1,191.79	
	For Class 55 Rating, Add	1,782.72	
	For Class 56 Rating, Add	2,365.84	
40 05 19 00-0381	EA 24" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,817.45	1,174.17
	For Class 52 Rating, Deduct	-884.22	
	For Class 54 Rating, Add	1,227.11	
	For Class 55 Rating, Add	1,835.26	
	For Class 56 Rating, Add	2,435.37	
40 05 19 00-0382	EA 24" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,058.14	1,177.92
	For Class 52 Rating, Deduct	-910.08	
	For Class 54 Rating, Add	1,262.43	
	For Class 55 Rating, Add	1,887.80	
	For Class 56 Rating, Add	2,504.91	
40 05 19 00-0383	EA 24" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,298.83	1,181.67
	For Class 52 Rating, Deduct	-935.93	
	For Class 54 Rating, Add	1,297.75	
	For Class 55 Rating, Add	1,940.35	
	For Class 56 Rating, Add	2,574.44	
40 05 19 00-0384	EA 24" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,539.52	1,185.42
	For Class 52 Rating, Deduct	-961.78	
	For Class 54 Rating, Add	1,333.07	
	For Class 55 Rating, Add	1,992.89	
	For Class 56 Rating, Add	2,643.97	
40 05 19 00-0385	EA 24" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,780.21	1,189.18
	For Class 52 Rating, Deduct	-987.63	
	For Class 54 Rating, Add	1,368.39	
	For Class 55 Rating, Add	2,045.43	
	For Class 56 Rating, Add	2,713.50	
40 05 19 00-0386	EA 24" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,020.90	1,192.93
	For Class 52 Rating, Deduct	-1,013.48	
	For Class 54 Rating, Add	1,403.71	
	For Class 55 Rating, Add	2,097.98	
	For Class 56 Rating, Add	2,783.03	
40 05 19 00-0387	EA 24" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,261.60	1,196.67
	For Class 52 Rating, Deduct	-1,039.33	
	For Class 54 Rating, Add	1,439.03	
	For Class 55 Rating, Add	2,150.52	
	For Class 56 Rating, Add	2,852.57	
40 05 19 00-0388	EA 24" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,502.29	1,200.43
	For Class 52 Rating, Deduct	-1,065.18	
	For Class 54 Rating, Add	1,474.34	
	For Class 55 Rating, Add	2,203.06	
	For Class 56 Rating, Add	2,922.10	
40 05 19 00-0389	EA 24" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,839.61	1,267.95
	For Class 52 Rating, Deduct	-1,091.03	
	For Class 54 Rating, Add	1,510.82	
	For Class 55 Rating, Add	2,257.93	
	For Class 56 Rating, Add	2,995.11	
40 05 19 00-0390	EA 24" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,080.31	1,271.70
	For Class 52 Rating, Deduct	-1,116.88	
	For Class 54 Rating, Add	1,546.14	
	For Class 55 Rating, Add	2,310.47	
	For Class 56 Rating, Add	3,064.64	
40 05 19 00-0391	EA 24" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,320.99	1,275.46
	For Class 52 Rating, Deduct	-1,142.73	
	For Class 54 Rating, Add	1,581.46	
	For Class 55 Rating, Add	2,363.01	
	For Class 56 Rating, Add	3,134.17	
40 05 19 00-0392	EA 24" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,561.68	1,279.21
	For Class 52 Rating, Deduct	-1,168.58	
	For Class 54 Rating, Add	1,616.78	
	For Class 55 Rating, Add	2,415.55	
	For Class 56 Rating, Add	3,203.70	
40 05 19 00-0393	EA 24" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,802.38	1,282.96
	For Class 52 Rating, Deduct	-1,194.44	
	For Class 54 Rating, Add	1,652.10	
	For Class 55 Rating, Add	2,468.10	
	For Class 56 Rating, Add	3,273.24	
40 05 19 00-0394	EA 24" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	13,043.07	1,286.71
	For Class 52 Rating, Deduct	-1,220.29	
	For Class 54 Rating, Add	1,687.42	
	For Class 55 Rating, Add	2,520.64	
	For Class 56 Rating, Add	3,342.77	
40 05 19 00-0395	EA 24" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	13,283.76	1,290.46
	For Class 52 Rating, Deduct	-1,246.14	
	For Class 54 Rating, Add	1,722.74	
	For Class 55 Rating, Add	2,573.19	
	For Class 56 Rating, Add	3,412.30	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0396	EA		24" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	13,524.46	1,294.21
			<i>For Class 52 Rating, Deduct</i>	-1,271.99	
			<i>For Class 54 Rating, Add</i>	1,758.06	
			<i>For Class 55 Rating, Add</i>	2,625.73	
			<i>For Class 56 Rating, Add</i>	3,481.83	
40 05 19 00-0397	EA		24" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	13,765.15	1,297.96
			<i>For Class 52 Rating, Deduct</i>	-1,297.84	
			<i>For Class 54 Rating, Add</i>	1,793.38	
			<i>For Class 55 Rating, Add</i>	2,678.27	
			<i>For Class 56 Rating, Add</i>	3,551.37	
40 05 19 00-0398			<b>30" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-0002)</small>		
40 05 19 00-0399	EA		30" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,275.55	1,545.55
			<i>For Class 52 Rating, Deduct</i>	-542.72	
			<i>For Class 54 Rating, Add</i>	768.17	
			<i>For Class 55 Rating, Add</i>	1,156.44	
			<i>For Class 56 Rating, Add</i>	1,539.78	
40 05 19 00-0400	EA		30" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,620.70	1,549.30
			<i>For Class 52 Rating, Deduct</i>	-580.06	
			<i>For Class 54 Rating, Add</i>	819.16	
			<i>For Class 55 Rating, Add</i>	1,232.28	
			<i>For Class 56 Rating, Add</i>	1,640.12	
40 05 19 00-0401	EA		30" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,965.84	1,553.06
			<i>For Class 52 Rating, Deduct</i>	-617.40	
			<i>For Class 54 Rating, Add</i>	870.15	
			<i>For Class 55 Rating, Add</i>	1,308.11	
			<i>For Class 56 Rating, Add</i>	1,740.46	
40 05 19 00-0402	EA		30" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,310.97	1,556.81
			<i>For Class 52 Rating, Deduct</i>	-654.74	
			<i>For Class 54 Rating, Add</i>	921.13	
			<i>For Class 55 Rating, Add</i>	1,383.95	
			<i>For Class 56 Rating, Add</i>	1,840.81	
40 05 19 00-0403	EA		30" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,656.12	1,560.55
			<i>For Class 52 Rating, Deduct</i>	-692.08	
			<i>For Class 54 Rating, Add</i>	972.12	
			<i>For Class 55 Rating, Add</i>	1,459.78	
			<i>For Class 56 Rating, Add</i>	1,941.16	
40 05 19 00-0404	EA		30" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,001.26	1,564.31
			<i>For Class 52 Rating, Deduct</i>	-729.42	
			<i>For Class 54 Rating, Add</i>	1,023.11	
			<i>For Class 55 Rating, Add</i>	1,535.62	
			<i>For Class 56 Rating, Add</i>	2,041.50	
40 05 19 00-0405	EA		30" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,346.40	1,568.06
			<i>For Class 52 Rating, Deduct</i>	-766.76	
			<i>For Class 54 Rating, Add</i>	1,074.09	
			<i>For Class 55 Rating, Add</i>	1,611.45	
			<i>For Class 56 Rating, Add</i>	2,141.84	
40 05 19 00-0406	EA		30" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,691.54	1,571.82
			<i>For Class 52 Rating, Deduct</i>	-804.10	
			<i>For Class 54 Rating, Add</i>	1,125.08	
			<i>For Class 55 Rating, Add</i>	1,687.29	
			<i>For Class 56 Rating, Add</i>	2,242.19	
40 05 19 00-0407	EA		30" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,036.69	1,575.56
			<i>For Class 52 Rating, Deduct</i>	-841.44	
			<i>For Class 54 Rating, Add</i>	1,176.07	
			<i>For Class 55 Rating, Add</i>	1,763.13	
			<i>For Class 56 Rating, Add</i>	2,342.53	
40 05 19 00-0408	EA		30" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,381.82	1,579.31
			<i>For Class 52 Rating, Deduct</i>	-878.78	
			<i>For Class 54 Rating, Add</i>	1,227.05	
			<i>For Class 55 Rating, Add</i>	1,838.96	
			<i>For Class 56 Rating, Add</i>	2,442.88	
40 05 19 00-0409	EA		30" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,726.96	1,583.07
			<i>For Class 52 Rating, Deduct</i>	-916.12	
			<i>For Class 54 Rating, Add</i>	1,278.04	
			<i>For Class 55 Rating, Add</i>	1,914.79	
			<i>For Class 56 Rating, Add</i>	2,543.22	
40 05 19 00-0410	EA		30" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,072.11	1,586.82
			<i>For Class 52 Rating, Deduct</i>	-953.46	
			<i>For Class 54 Rating, Add</i>	1,329.03	
			<i>For Class 55 Rating, Add</i>	1,990.63	
			<i>For Class 56 Rating, Add</i>	2,643.57	
40 05 19 00-0411	EA		30" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,417.24	1,590.57
			<i>For Class 52 Rating, Deduct</i>	-990.80	
			<i>For Class 54 Rating, Add</i>	1,380.01	
			<i>For Class 55 Rating, Add</i>	2,066.46	
			<i>For Class 56 Rating, Add</i>	2,743.91	
40 05 19 00-0412	EA		30" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,762.39	1,594.32
			<i>For Class 52 Rating, Deduct</i>	-1,028.14	
			<i>For Class 54 Rating, Add</i>	1,431.00	
			<i>For Class 55 Rating, Add</i>	2,142.30	
			<i>For Class 56 Rating, Add</i>	2,844.25	
40 05 19 00-0413	EA		30" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,107.53	1,598.07
			<i>For Class 52 Rating, Deduct</i>	-1,065.48	
			<i>For Class 54 Rating, Add</i>	1,481.99	
			<i>For Class 55 Rating, Add</i>	2,218.14	
			<i>For Class 56 Rating, Add</i>	2,944.60	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

40 05 19 00-0414	EA	30" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,452.66	1,601.82
		<i>For Class 52 Rating, Deduct</i>	-1,102.82	
		<i>For Class 54 Rating, Add</i>	1,532.97	
		<i>For Class 55 Rating, Add</i>	2,293.97	
		<i>For Class 56 Rating, Add</i>	3,044.94	
40 05 19 00-0415	EA	30" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,797.81	1,605.57
		<i>For Class 52 Rating, Deduct</i>	-1,140.16	
		<i>For Class 54 Rating, Add</i>	1,583.96	
		<i>For Class 55 Rating, Add</i>	2,369.81	
		<i>For Class 56 Rating, Add</i>	3,145.29	
40 05 19 00-0416	EA	30" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	13,142.96	1,609.33
		<i>For Class 52 Rating, Deduct</i>	-1,177.50	
		<i>For Class 54 Rating, Add</i>	1,634.95	
		<i>For Class 55 Rating, Add</i>	2,445.64	
		<i>For Class 56 Rating, Add</i>	3,245.63	
40 05 19 00-0417	EA	30" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	13,488.09	1,613.08
		<i>For Class 52 Rating, Deduct</i>	-1,214.84	
		<i>For Class 54 Rating, Add</i>	1,685.93	
		<i>For Class 55 Rating, Add</i>	2,521.48	
		<i>For Class 56 Rating, Add</i>	3,345.98	
40 05 19 00-0418	EA	30" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	13,833.23	1,616.82
		<i>For Class 52 Rating, Deduct</i>	-1,252.18	
		<i>For Class 54 Rating, Add</i>	1,736.92	
		<i>For Class 55 Rating, Add</i>	2,597.31	
		<i>For Class 56 Rating, Add</i>	3,446.32	
40 05 19 00-0419	EA	30" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	14,178.38	1,620.58
		<i>For Class 52 Rating, Deduct</i>	-1,289.52	
		<i>For Class 54 Rating, Add</i>	1,787.91	
		<i>For Class 55 Rating, Add</i>	2,673.15	
		<i>For Class 56 Rating, Add</i>	3,546.67	
40 05 19 00-0420	EA	30" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	14,523.52	1,624.33
		<i>For Class 52 Rating, Deduct</i>	-1,326.87	
		<i>For Class 54 Rating, Add</i>	1,838.89	
		<i>For Class 55 Rating, Add</i>	2,748.98	
		<i>For Class 56 Rating, Add</i>	3,647.01	
40 05 19 00-0421	EA	30" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	14,868.65	1,628.09
		<i>For Class 52 Rating, Deduct</i>	-1,364.20	
		<i>For Class 54 Rating, Add</i>	1,889.88	
		<i>For Class 55 Rating, Add</i>	2,824.82	
		<i>For Class 56 Rating, Add</i>	3,747.35	
40 05 19 00-0422	EA	30" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	15,213.80	1,631.83
		<i>For Class 52 Rating, Deduct</i>	-1,401.55	
		<i>For Class 54 Rating, Add</i>	1,940.87	
		<i>For Class 55 Rating, Add</i>	2,900.65	
		<i>For Class 56 Rating, Add</i>	3,847.70	
40 05 19 00-0423	EA	30" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	15,557.56	1,635.58
		<i>For Class 52 Rating, Deduct</i>	-1,438.73	
		<i>For Class 54 Rating, Add</i>	1,991.65	
		<i>For Class 55 Rating, Add</i>	2,976.18	
		<i>For Class 56 Rating, Add</i>	3,947.64	
40 05 19 00-0424	EA	30" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	15,904.07	1,639.34
		<i>For Class 52 Rating, Deduct</i>	-1,476.23	
		<i>For Class 54 Rating, Add</i>	2,042.84	
		<i>For Class 55 Rating, Add</i>	3,052.32	
		<i>For Class 56 Rating, Add</i>	4,048.39	
40 05 19 00-0425	EA	30" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	16,249.21	1,643.08
		<i>For Class 52 Rating, Deduct</i>	-1,513.57	
		<i>For Class 54 Rating, Add</i>	2,093.83	
		<i>For Class 55 Rating, Add</i>	3,128.16	
		<i>For Class 56 Rating, Add</i>	4,148.73	
40 05 19 00-0426	EA	30" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	16,594.36	1,646.84
		<i>For Class 52 Rating, Deduct</i>	-1,550.91	
		<i>For Class 54 Rating, Add</i>	2,144.82	
		<i>For Class 55 Rating, Add</i>	3,204.00	
		<i>For Class 56 Rating, Add</i>	4,249.08	
40 05 19 00-0427	EA	30" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	16,939.51	1,650.59
		<i>For Class 52 Rating, Deduct</i>	-1,588.25	
		<i>For Class 54 Rating, Add</i>	2,195.80	
		<i>For Class 55 Rating, Add</i>	3,279.83	
		<i>For Class 56 Rating, Add</i>	4,349.42	
40 05 19 00-0428	EA	30" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	17,284.63	1,654.34
		<i>For Class 52 Rating, Deduct</i>	-1,625.59	
		<i>For Class 54 Rating, Add</i>	2,246.79	
		<i>For Class 55 Rating, Add</i>	3,355.67	
		<i>For Class 56 Rating, Add</i>	4,449.76	
40 05 19 00-0429	EA	30" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	17,629.78	1,658.09
		<i>For Class 52 Rating, Deduct</i>	-1,662.93	
		<i>For Class 54 Rating, Add</i>	2,297.78	
		<i>For Class 55 Rating, Add</i>	3,431.50	
		<i>For Class 56 Rating, Add</i>	4,550.11	
40 05 19 00-0430	EA	30" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	17,974.93	1,661.84
		<i>For Class 52 Rating, Deduct</i>	-1,700.27	
		<i>For Class 54 Rating, Add</i>	2,348.76	
		<i>For Class 55 Rating, Add</i>	3,507.34	
		<i>For Class 56 Rating, Add</i>	4,650.46	
40 05 19 00-0431	EA	30" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	18,320.06	1,665.60
		<i>For Class 52 Rating, Deduct</i>	-1,737.61	
		<i>For Class 54 Rating, Add</i>	2,399.75	
		<i>For Class 55 Rating, Add</i>	3,583.17	
		<i>For Class 56 Rating, Add</i>	4,750.80	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0432	EA		30" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	18,665.20	1,669.35
			<i>For Class 52 Rating, Deduct</i>	-1,774.95	
			<i>For Class 54 Rating, Add</i>	2,450.74	
			<i>For Class 55 Rating, Add</i>	3,659.01	
			<i>For Class 56 Rating, Add</i>	4,851.14	
40 05 19 00-0433	EA		30" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	19,010.35	1,673.10
			<i>For Class 52 Rating, Deduct</i>	-1,812.29	
			<i>For Class 54 Rating, Add</i>	2,501.72	
			<i>For Class 55 Rating, Add</i>	3,734.84	
			<i>For Class 56 Rating, Add</i>	4,951.49	
40 05 19 00-0434	EA		30" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	19,355.49	1,676.85
			<i>For Class 52 Rating, Deduct</i>	-1,849.63	
			<i>For Class 54 Rating, Add</i>	2,552.71	
			<i>For Class 55 Rating, Add</i>	3,810.68	
			<i>For Class 56 Rating, Add</i>	5,051.83	
40 05 19 00-0435	EA		30" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	19,700.63	1,680.60
			<i>For Class 52 Rating, Deduct</i>	-1,886.97	
			<i>For Class 54 Rating, Add</i>	2,603.70	
			<i>For Class 55 Rating, Add</i>	3,886.51	
			<i>For Class 56 Rating, Add</i>	5,152.18	
40 05 19 00-0436	EA		30" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	20,045.77	1,684.36
			<i>For Class 52 Rating, Deduct</i>	-1,924.31	
			<i>For Class 54 Rating, Add</i>	2,654.68	
			<i>For Class 55 Rating, Add</i>	3,962.35	
			<i>For Class 56 Rating, Add</i>	5,252.52	
<b>40 05 19 00-0437</b>			<b>36" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small></b>		
40 05 19 00-0438	EA		36" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,026.85	1,958.20
			<i>For Class 52 Rating, Deduct</i>	-776.59	
			<i>For Class 54 Rating, Add</i>	1,094.59	
			<i>For Class 55 Rating, Add</i>	1,645.56	
			<i>For Class 56 Rating, Add</i>	2,189.48	
40 05 19 00-0439	EA		36" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,494.30	1,961.95
			<i>For Class 52 Rating, Deduct</i>	-827.38	
			<i>For Class 54 Rating, Add</i>	1,163.92	
			<i>For Class 55 Rating, Add</i>	1,748.67	
			<i>For Class 56 Rating, Add</i>	2,325.90	
40 05 19 00-0440	EA		36" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,961.76	1,965.70
			<i>For Class 52 Rating, Deduct</i>	-878.18	
			<i>For Class 54 Rating, Add</i>	1,233.25	
			<i>For Class 55 Rating, Add</i>	1,851.78	
			<i>For Class 56 Rating, Add</i>	2,462.33	
40 05 19 00-0441	EA		36" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,429.22	1,969.45
			<i>For Class 52 Rating, Deduct</i>	-928.97	
			<i>For Class 54 Rating, Add</i>	1,302.59	
			<i>For Class 55 Rating, Add</i>	1,954.90	
			<i>For Class 56 Rating, Add</i>	2,598.76	
40 05 19 00-0442	EA		36" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,896.68	1,973.21
			<i>For Class 52 Rating, Deduct</i>	-979.77	
			<i>For Class 54 Rating, Add</i>	1,371.92	
			<i>For Class 55 Rating, Add</i>	2,058.01	
			<i>For Class 56 Rating, Add</i>	2,735.19	
40 05 19 00-0443	EA		36" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,364.13	1,976.96
			<i>For Class 52 Rating, Deduct</i>	-1,030.56	
			<i>For Class 54 Rating, Add</i>	1,441.26	
			<i>For Class 55 Rating, Add</i>	2,161.12	
			<i>For Class 56 Rating, Add</i>	2,871.61	
40 05 19 00-0444	EA		36" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,831.58	1,980.71
			<i>For Class 52 Rating, Deduct</i>	-1,081.36	
			<i>For Class 54 Rating, Add</i>	1,510.59	
			<i>For Class 55 Rating, Add</i>	2,264.23	
			<i>For Class 56 Rating, Add</i>	3,008.04	
40 05 19 00-0445	EA		36" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	13,299.04	1,984.46
			<i>For Class 52 Rating, Deduct</i>	-1,132.15	
			<i>For Class 54 Rating, Add</i>	1,579.92	
			<i>For Class 55 Rating, Add</i>	2,367.34	
			<i>For Class 56 Rating, Add</i>	3,144.47	
40 05 19 00-0446	EA		36" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	13,766.49	1,988.21
			<i>For Class 52 Rating, Deduct</i>	-1,182.95	
			<i>For Class 54 Rating, Add</i>	1,649.26	
			<i>For Class 55 Rating, Add</i>	2,470.45	
			<i>For Class 56 Rating, Add</i>	3,280.89	
40 05 19 00-0447	EA		36" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	14,233.95	1,991.97
			<i>For Class 52 Rating, Deduct</i>	-1,233.74	
			<i>For Class 54 Rating, Add</i>	1,718.59	
			<i>For Class 55 Rating, Add</i>	2,573.56	
			<i>For Class 56 Rating, Add</i>	3,417.32	
40 05 19 00-0448	EA		36" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	14,701.41	1,995.71
			<i>For Class 52 Rating, Deduct</i>	-1,284.54	
			<i>For Class 54 Rating, Add</i>	1,787.93	
			<i>For Class 55 Rating, Add</i>	2,676.68	
			<i>For Class 56 Rating, Add</i>	3,553.75	
40 05 19 00-0449	EA		36" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	15,168.87	1,999.47
			<i>For Class 52 Rating, Deduct</i>	-1,335.33	
			<i>For Class 54 Rating, Add</i>	1,857.26	
			<i>For Class 55 Rating, Add</i>	2,779.79	
			<i>For Class 56 Rating, Add</i>	3,690.18	

**40 Process Interconnections**

**40 05 Common Work Results For Process Interconnections**

**40 05 19 Ductile Iron Process Pipe**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
40 05 19 00-0450	EA 36" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	15,636.31	2,003.22
	For Class 52 Rating, Deduct	-1,386.13	
	For Class 54 Rating, Add	1,926.59	
	For Class 55 Rating, Add	2,882.90	
	For Class 56 Rating, Add	3,826.60	
40 05 19 00-0451	EA 36" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	16,103.77	2,006.96
	For Class 52 Rating, Deduct	-1,436.92	
	For Class 54 Rating, Add	1,995.93	
	For Class 55 Rating, Add	2,986.01	
	For Class 56 Rating, Add	3,963.03	
40 05 19 00-0452	EA 36" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	16,571.23	2,010.72
	For Class 52 Rating, Deduct	-1,487.71	
	For Class 54 Rating, Add	2,065.26	
	For Class 55 Rating, Add	3,089.12	
	For Class 56 Rating, Add	4,099.46	
40 05 19 00-0453	EA 36" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	17,038.68	2,014.47
	For Class 52 Rating, Deduct	-1,538.51	
	For Class 54 Rating, Add	2,134.59	
	For Class 55 Rating, Add	3,192.23	
	For Class 56 Rating, Add	4,235.88	
40 05 19 00-0454	EA 36" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	17,506.14	2,018.23
	For Class 52 Rating, Deduct	-1,589.31	
	For Class 54 Rating, Add	2,203.93	
	For Class 55 Rating, Add	3,295.35	
	For Class 56 Rating, Add	4,372.31	
40 05 19 00-0455	EA 36" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	17,973.60	2,021.97
	For Class 52 Rating, Deduct	-1,640.10	
	For Class 54 Rating, Add	2,273.26	
	For Class 55 Rating, Add	3,398.46	
	For Class 56 Rating, Add	4,508.74	
40 05 19 00-0456	EA 36" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	18,441.05	2,025.72
	For Class 52 Rating, Deduct	-1,690.89	
	For Class 54 Rating, Add	2,342.60	
	For Class 55 Rating, Add	3,501.57	
	For Class 56 Rating, Add	4,645.17	
40 05 19 00-0457	EA 36" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	18,908.50	2,029.48
	For Class 52 Rating, Deduct	-1,741.69	
	For Class 54 Rating, Add	2,411.93	
	For Class 55 Rating, Add	3,604.68	
	For Class 56 Rating, Add	4,781.59	
40 05 19 00-0458	EA 36" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	19,375.96	2,033.23
	For Class 52 Rating, Deduct	-1,792.48	
	For Class 54 Rating, Add	2,481.26	
	For Class 55 Rating, Add	3,707.79	
	For Class 56 Rating, Add	4,918.02	
40 05 19 00-0459	EA 36" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	19,843.41	2,036.98
	For Class 52 Rating, Deduct	-1,843.28	
	For Class 54 Rating, Add	2,550.60	
	For Class 55 Rating, Add	3,810.90	
	For Class 56 Rating, Add	5,054.45	
40 05 19 00-0460	EA 36" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	20,310.88	2,040.73
	For Class 52 Rating, Deduct	-1,894.07	
	For Class 54 Rating, Add	2,619.93	
	For Class 55 Rating, Add	3,914.01	
	For Class 56 Rating, Add	5,190.88	
40 05 19 00-0461	EA 36" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	20,778.32	2,044.48
	For Class 52 Rating, Deduct	-1,944.87	
	For Class 54 Rating, Add	2,689.27	
	For Class 55 Rating, Add	4,017.13	
	For Class 56 Rating, Add	5,327.30	
40 05 19 00-0462	EA 36" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	21,245.78	2,048.24
	For Class 52 Rating, Deduct	-1,995.66	
	For Class 54 Rating, Add	2,758.60	
	For Class 55 Rating, Add	4,120.24	
	For Class 56 Rating, Add	5,463.73	
40 05 19 00-0463	EA 36" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	21,713.24	2,051.98
	For Class 52 Rating, Deduct	-2,046.46	
	For Class 54 Rating, Add	2,827.93	
	For Class 55 Rating, Add	4,223.35	
	For Class 56 Rating, Add	5,600.16	
40 05 19 00-0464	EA 36" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	22,180.69	2,055.74
	For Class 52 Rating, Deduct	-2,097.25	
	For Class 54 Rating, Add	2,897.27	
	For Class 55 Rating, Add	4,326.46	
	For Class 56 Rating, Add	5,736.58	
40 05 19 00-0465	EA 36" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	22,648.14	2,059.49
	For Class 52 Rating, Deduct	-2,148.05	
	For Class 54 Rating, Add	2,966.60	
	For Class 55 Rating, Add	4,429.57	
	For Class 56 Rating, Add	5,873.01	
40 05 19 00-0466	EA 36" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	23,115.60	2,063.23
	For Class 52 Rating, Deduct	-2,198.84	
	For Class 54 Rating, Add	3,035.94	
	For Class 55 Rating, Add	4,532.68	
	For Class 56 Rating, Add	6,009.44	
40 05 19 00-0467	EA 36" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	23,583.06	2,066.99
	For Class 52 Rating, Deduct	-2,249.64	
	For Class 54 Rating, Add	3,105.27	
	For Class 55 Rating, Add	4,635.79	
	For Class 56 Rating, Add	6,145.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0468 EA 36" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	24,050.52	2,070.74
<i>For Class 52 Rating, Deduct</i>	-2,300.43	
<i>For Class 54 Rating, Add</i>	3,174.60	
<i>For Class 55 Rating, Add</i>	4,738.91	
<i>For Class 56 Rating, Add</i>	6,282.29	
40 05 19 00-0469 EA 36" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	24,517.97	2,074.50
<i>For Class 52 Rating, Deduct</i>	-2,351.23	
<i>For Class 54 Rating, Add</i>	3,243.94	
<i>For Class 55 Rating, Add</i>	4,842.02	
<i>For Class 56 Rating, Add</i>	6,418.72	
40 05 19 00-0470 EA 36" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	24,985.42	2,078.24
<i>For Class 52 Rating, Deduct</i>	-2,402.02	
<i>For Class 54 Rating, Add</i>	3,313.27	
<i>For Class 55 Rating, Add</i>	4,945.13	
<i>For Class 56 Rating, Add</i>	6,555.15	
40 05 19 00-0471 EA 36" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	25,452.88	2,081.99
<i>For Class 52 Rating, Deduct</i>	-2,452.82	
<i>For Class 54 Rating, Add</i>	3,382.61	
<i>For Class 55 Rating, Add</i>	5,048.24	
<i>For Class 56 Rating, Add</i>	6,691.57	
40 05 19 00-0472 EA 36" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	25,920.33	2,085.75
<i>For Class 52 Rating, Deduct</i>	-2,503.61	
<i>For Class 54 Rating, Add</i>	3,451.94	
<i>For Class 55 Rating, Add</i>	5,151.35	
<i>For Class 56 Rating, Add</i>	6,828.00	
40 05 19 00-0473 EA 36" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	26,387.78	2,089.50
<i>For Class 52 Rating, Deduct</i>	-2,554.41	
<i>For Class 54 Rating, Add</i>	3,521.27	
<i>For Class 55 Rating, Add</i>	5,254.46	
<i>For Class 56 Rating, Add</i>	6,964.43	
40 05 19 00-0474 EA 36" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	26,855.25	2,093.25
<i>For Class 52 Rating, Deduct</i>	-2,605.20	
<i>For Class 54 Rating, Add</i>	3,590.61	
<i>For Class 55 Rating, Add</i>	5,357.57	
<i>For Class 56 Rating, Add</i>	7,100.86	
40 05 19 00-0475 EA 36" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	27,322.71	2,097.00
<i>For Class 52 Rating, Deduct</i>	-2,656.00	
<i>For Class 54 Rating, Add</i>	3,659.94	
<i>For Class 55 Rating, Add</i>	5,460.69	
<i>For Class 56 Rating, Add</i>	7,237.28	
<b>40 05 19 00-0476 42" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b>		
<small>(40 05 19 00-0002)</small>		
40 05 19 00-0477 EA 42" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	13,158.19	2,468.38
<i>For Class 52 Rating, Deduct</i>	-1,036.00	
<i>For Class 54 Rating, Add</i>	1,457.61	
<i>For Class 55 Rating, Add</i>	2,190.02	
<i>For Class 56 Rating, Add</i>	2,913.01	
40 05 19 00-0478 EA 42" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	13,853.78	2,472.13
<i>For Class 52 Rating, Deduct</i>	-1,111.89	
<i>For Class 54 Rating, Add</i>	1,561.17	
<i>For Class 55 Rating, Add</i>	2,344.01	
<i>For Class 56 Rating, Add</i>	3,116.74	
40 05 19 00-0479 EA 42" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	14,541.13	2,475.89
<i>For Class 52 Rating, Deduct</i>	-1,186.88	
<i>For Class 54 Rating, Add</i>	1,663.48	
<i>For Class 55 Rating, Add</i>	2,496.16	
<i>For Class 56 Rating, Add</i>	3,318.04	
40 05 19 00-0480 EA 42" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	15,235.34	2,479.64
<i>For Class 52 Rating, Deduct</i>	-1,262.62	
<i>For Class 54 Rating, Add</i>	1,766.83	
<i>For Class 55 Rating, Add</i>	2,649.83	
<i>For Class 56 Rating, Add</i>	3,521.36	
40 05 19 00-0481 EA 42" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	15,922.69	2,483.38
<i>For Class 52 Rating, Deduct</i>	-1,337.60	
<i>For Class 54 Rating, Add</i>	1,869.15	
<i>For Class 55 Rating, Add</i>	2,801.98	
<i>For Class 56 Rating, Add</i>	3,722.65	
40 05 19 00-0482 EA 42" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	16,618.29	2,487.14
<i>For Class 52 Rating, Deduct</i>	-1,413.49	
<i>For Class 54 Rating, Add</i>	1,972.70	
<i>For Class 55 Rating, Add</i>	2,955.97	
<i>For Class 56 Rating, Add</i>	3,926.38	
40 05 19 00-0483 EA 42" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	17,304.25	2,490.89
<i>For Class 52 Rating, Deduct</i>	-1,488.32	
<i>For Class 54 Rating, Add</i>	2,074.82	
<i>For Class 55 Rating, Add</i>	3,107.81	
<i>For Class 56 Rating, Add</i>	4,127.27	
40 05 19 00-0484 EA 42" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	17,999.85	2,494.65
<i>For Class 52 Rating, Deduct</i>	-1,564.21	
<i>For Class 54 Rating, Add</i>	2,178.37	
<i>For Class 55 Rating, Add</i>	3,261.79	
<i>For Class 56 Rating, Add</i>	4,331.00	
40 05 19 00-0485 EA 42" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	18,687.20	2,498.39
<i>For Class 52 Rating, Deduct</i>	-1,639.19	
<i>For Class 54 Rating, Add</i>	2,280.69	
<i>For Class 55 Rating, Add</i>	3,413.94	
<i>For Class 56 Rating, Add</i>	4,532.29	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

40 05 19 00-0486	EA	42" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,381.42	2,502.14
		<i>For Class 52 Rating, Deduct</i>	-1,714.93	
		<i>For Class 54 Rating, Add</i>	2,384.04	
		<i>For Class 55 Rating, Add</i>	3,567.62	
		<i>For Class 56 Rating, Add</i>	4,735.62	
40 05 19 00-0487	EA	42" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,068.76	2,505.90
		<i>For Class 52 Rating, Deduct</i>	-1,789.91	
		<i>For Class 54 Rating, Add</i>	2,486.35	
		<i>For Class 55 Rating, Add</i>	3,719.77	
		<i>For Class 56 Rating, Add</i>	4,936.91	
40 05 19 00-0488	EA	42" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,762.98	2,509.64
		<i>For Class 52 Rating, Deduct</i>	-1,865.65	
		<i>For Class 54 Rating, Add</i>	2,589.70	
		<i>For Class 55 Rating, Add</i>	3,873.45	
		<i>For Class 56 Rating, Add</i>	5,140.23	
40 05 19 00-0489	EA	42" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,450.33	2,513.40
		<i>For Class 52 Rating, Deduct</i>	-1,940.64	
		<i>For Class 54 Rating, Add</i>	2,692.02	
		<i>For Class 55 Rating, Add</i>	4,025.60	
		<i>For Class 56 Rating, Add</i>	5,341.53	
40 05 19 00-0490	EA	42" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,139.05	2,517.15
		<i>For Class 52 Rating, Deduct</i>	-2,015.77	
		<i>For Class 54 Rating, Add</i>	2,794.54	
		<i>For Class 55 Rating, Add</i>	4,178.05	
		<i>For Class 56 Rating, Add</i>	5,543.23	
40 05 19 00-0491	EA	42" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,831.89	2,520.90
		<i>For Class 52 Rating, Deduct</i>	-2,091.36	
		<i>For Class 54 Rating, Add</i>	2,897.69	
		<i>For Class 55 Rating, Add</i>	4,331.42	
		<i>For Class 56 Rating, Add</i>	5,746.14	
40 05 19 00-0492	EA	42" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,519.24	2,524.65
		<i>For Class 52 Rating, Deduct</i>	-2,166.34	
		<i>For Class 54 Rating, Add</i>	3,000.00	
		<i>For Class 55 Rating, Add</i>	4,483.57	
		<i>For Class 56 Rating, Add</i>	5,947.44	
40 05 19 00-0493	EA	42" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,214.83	2,528.40
		<i>For Class 52 Rating, Deduct</i>	-2,242.23	
		<i>For Class 54 Rating, Add</i>	3,103.56	
		<i>For Class 55 Rating, Add</i>	4,637.55	
		<i>For Class 56 Rating, Add</i>	6,151.17	
40 05 19 00-0494	EA	42" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,902.18	2,532.16
		<i>For Class 52 Rating, Deduct</i>	-2,317.21	
		<i>For Class 54 Rating, Add</i>	3,205.88	
		<i>For Class 55 Rating, Add</i>	4,789.70	
		<i>For Class 56 Rating, Add</i>	6,352.46	
40 05 19 00-0495	EA	42" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,596.39	2,535.91
		<i>For Class 52 Rating, Deduct</i>	-2,392.95	
		<i>For Class 54 Rating, Add</i>	3,309.22	
		<i>For Class 55 Rating, Add</i>	4,943.38	
		<i>For Class 56 Rating, Add</i>	6,555.78	
40 05 19 00-0496	EA	42" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,283.74	2,539.65
		<i>For Class 52 Rating, Deduct</i>	-2,467.93	
		<i>For Class 54 Rating, Add</i>	3,411.54	
		<i>For Class 55 Rating, Add</i>	5,095.53	
		<i>For Class 56 Rating, Add</i>	6,757.08	
40 05 19 00-0497	EA	42" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,979.33	2,543.41
		<i>For Class 52 Rating, Deduct</i>	-2,543.82	
		<i>For Class 54 Rating, Add</i>	3,515.10	
		<i>For Class 55 Rating, Add</i>	5,249.51	
		<i>For Class 56 Rating, Add</i>	6,960.81	
40 05 19 00-0498	EA	42" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,666.68	2,547.16
		<i>For Class 52 Rating, Deduct</i>	-2,618.81	
		<i>For Class 54 Rating, Add</i>	3,617.41	
		<i>For Class 55 Rating, Add</i>	5,401.66	
		<i>For Class 56 Rating, Add</i>	7,162.10	
40 05 19 00-0499	EA	42" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,360.90	2,550.92
		<i>For Class 52 Rating, Deduct</i>	-2,694.55	
		<i>For Class 54 Rating, Add</i>	3,720.76	
		<i>For Class 55 Rating, Add</i>	5,555.34	
		<i>For Class 56 Rating, Add</i>	7,365.43	
40 05 19 00-0500	EA	42" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,048.24	2,554.66
		<i>For Class 52 Rating, Deduct</i>	-2,769.53	
		<i>For Class 54 Rating, Add</i>	3,823.08	
		<i>For Class 55 Rating, Add</i>	5,707.49	
		<i>For Class 56 Rating, Add</i>	7,566.72	
40 05 19 00-0501	EA	42" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,743.84	2,558.41
		<i>For Class 52 Rating, Deduct</i>	-2,845.42	
		<i>For Class 54 Rating, Add</i>	3,926.63	
		<i>For Class 55 Rating, Add</i>	5,861.47	
		<i>For Class 56 Rating, Add</i>	7,770.45	
40 05 19 00-0502	EA	42" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,431.18	2,562.17
		<i>For Class 52 Rating, Deduct</i>	-2,920.40	
		<i>For Class 54 Rating, Add</i>	4,028.95	
		<i>For Class 55 Rating, Add</i>	6,013.62	
		<i>For Class 56 Rating, Add</i>	7,971.74	
40 05 19 00-0503	EA	42" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,124.02	2,565.91
		<i>For Class 52 Rating, Deduct</i>	-2,995.99	
		<i>For Class 54 Rating, Add</i>	4,132.09	
		<i>For Class 55 Rating, Add</i>	6,166.99	
		<i>For Class 56 Rating, Add</i>	8,174.66	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0504 EA 42" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	31,812.75	2,569.67
For Class 52 Rating, Deduct	-3,071.12	
For Class 54 Rating, Add	4,234.62	
For Class 55 Rating, Add	6,319.45	
For Class 56 Rating, Add	8,376.36	
40 05 19 00-0505 EA 42" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	32,362.66	2,573.42
For Class 52 Rating, Deduct	-3,130.99	
For Class 54 Rating, Add	4,316.32	
For Class 55 Rating, Add	6,440.95	
For Class 56 Rating, Add	8,537.11	
40 05 19 00-0506 EA 42" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	33,194.31	2,577.18
For Class 52 Rating, Deduct	-3,221.85	
For Class 54 Rating, Add	4,440.28	
For Class 55 Rating, Add	6,625.28	
For Class 56 Rating, Add	8,780.98	
40 05 19 00-0507 EA 42" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	33,881.66	2,580.92
For Class 52 Rating, Deduct	-3,296.83	
For Class 54 Rating, Add	4,542.60	
For Class 55 Rating, Add	6,777.42	
For Class 56 Rating, Add	8,982.27	
40 05 19 00-0508 EA 42" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	34,575.88	2,584.67
For Class 52 Rating, Deduct	-3,372.57	
For Class 54 Rating, Add	4,645.95	
For Class 55 Rating, Add	6,931.10	
For Class 56 Rating, Add	9,185.59	
40 05 19 00-0509 EA 42" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	35,263.22	2,588.43
For Class 52 Rating, Deduct	-3,447.55	
For Class 54 Rating, Add	4,748.27	
For Class 55 Rating, Add	7,083.25	
For Class 56 Rating, Add	9,386.89	
40 05 19 00-0510 EA 42" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	35,958.82	2,592.18
For Class 52 Rating, Deduct	-3,523.44	
For Class 54 Rating, Add	4,851.82	
For Class 55 Rating, Add	7,237.24	
For Class 56 Rating, Add	9,590.62	
40 05 19 00-0511 EA 42" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	36,644.79	2,595.93
For Class 52 Rating, Deduct	-3,598.27	
For Class 54 Rating, Add	4,953.93	
For Class 55 Rating, Add	7,389.08	
For Class 56 Rating, Add	9,791.51	
40 05 19 00-0512 EA 42" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	37,340.38	2,599.68
For Class 52 Rating, Deduct	-3,674.16	
For Class 54 Rating, Add	5,057.49	
For Class 55 Rating, Add	7,543.06	
For Class 56 Rating, Add	9,995.23	
40 05 19 00-0513 EA 42" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	38,027.73	2,603.43
For Class 52 Rating, Deduct	-3,749.15	
For Class 54 Rating, Add	5,159.81	
For Class 55 Rating, Add	7,695.21	
For Class 56 Rating, Add	10,196.53	
40 05 19 00-0514 EA 42" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	38,721.95	2,607.19
For Class 52 Rating, Deduct	-3,824.88	
For Class 54 Rating, Add	5,263.15	
For Class 55 Rating, Add	7,848.89	
For Class 56 Rating, Add	10,399.85	
<b>40 05 19 00-0515 48" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-0002)</small>		
40 05 19 00-0516 EA 48" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	16,508.71	3,102.36
For Class 52 Rating, Deduct	-1,298.90	
For Class 54 Rating, Add	1,827.63	
For Class 55 Rating, Add	2,746.03	
For Class 56 Rating, Add	3,652.63	
40 05 19 00-0517 EA 48" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	17,519.02	3,106.11
For Class 52 Rating, Deduct	-1,409.41	
For Class 54 Rating, Add	1,978.39	
For Class 55 Rating, Add	2,970.20	
For Class 56 Rating, Add	3,949.20	
40 05 19 00-0518 EA 48" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	18,527.95	3,109.87
For Class 52 Rating, Deduct	-1,519.76	
For Class 54 Rating, Add	2,128.95	
For Class 55 Rating, Add	3,194.06	
For Class 56 Rating, Add	4,245.36	
40 05 19 00-0519 EA 48" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	19,545.14	3,113.61
For Class 52 Rating, Deduct	-1,631.03	
For Class 54 Rating, Add	2,280.74	
For Class 55 Rating, Add	3,419.76	
For Class 56 Rating, Add	4,543.96	
40 05 19 00-0520 EA 48" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	20,565.45	3,117.36
For Class 52 Rating, Deduct	-1,741.54	
For Class 54 Rating, Add	2,431.50	
For Class 55 Rating, Add	3,643.93	
For Class 56 Rating, Add	4,840.53	
40 05 19 00-0521 EA 48" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	21,565.75	3,121.12
For Class 52 Rating, Deduct	-1,852.05	
For Class 54 Rating, Add	2,582.27	
For Class 55 Rating, Add	3,868.10	
For Class 56 Rating, Add	5,137.10	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

40 05 19 00-0522	EA	48" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,581.57	3,124.86
		<i>For Class 52 Rating, Deduct</i>	-1,963.16	
		<i>For Class 54 Rating, Add</i>	2,733.85	
		<i>For Class 55 Rating, Add</i>	4,093.49	
		<i>For Class 56 Rating, Add</i>	5,435.29	
40 05 19 00-0523	EA	48" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,593.26	3,128.62
		<i>For Class 52 Rating, Deduct</i>	-2,073.82	
		<i>For Class 54 Rating, Add</i>	2,884.82	
		<i>For Class 55 Rating, Add</i>	4,317.97	
		<i>For Class 56 Rating, Add</i>	5,732.26	
40 05 19 00-0524	EA	48" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,602.19	3,132.37
		<i>For Class 52 Rating, Deduct</i>	-2,184.18	
		<i>For Class 54 Rating, Add</i>	3,035.38	
		<i>For Class 55 Rating, Add</i>	4,541.83	
		<i>For Class 56 Rating, Add</i>	6,028.43	
40 05 19 00-0525	EA	48" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,619.37	3,136.12
		<i>For Class 52 Rating, Deduct</i>	-2,295.44	
		<i>For Class 54 Rating, Add</i>	3,187.17	
		<i>For Class 55 Rating, Add</i>	4,767.53	
		<i>For Class 56 Rating, Add</i>	6,327.02	
40 05 19 00-0526	EA	48" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,629.68	3,139.87
		<i>For Class 52 Rating, Deduct</i>	-2,405.95	
		<i>For Class 54 Rating, Add</i>	3,337.93	
		<i>For Class 55 Rating, Add</i>	4,991.70	
		<i>For Class 56 Rating, Add</i>	6,623.59	
40 05 19 00-0527	EA	48" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,646.87	3,143.62
		<i>For Class 52 Rating, Deduct</i>	-2,517.22	
		<i>For Class 54 Rating, Add</i>	3,489.73	
		<i>For Class 55 Rating, Add</i>	5,217.40	
		<i>For Class 56 Rating, Add</i>	6,922.19	
40 05 19 00-0528	EA	48" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,655.81	3,147.38
		<i>For Class 52 Rating, Deduct</i>	-2,627.58	
		<i>For Class 54 Rating, Add</i>	3,640.28	
		<i>For Class 55 Rating, Add</i>	5,441.26	
		<i>For Class 56 Rating, Add</i>	7,218.36	
40 05 19 00-0529	EA	48" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,666.11	3,151.13
		<i>For Class 52 Rating, Deduct</i>	-2,738.08	
		<i>For Class 54 Rating, Add</i>	3,791.05	
		<i>For Class 55 Rating, Add</i>	5,665.43	
		<i>For Class 56 Rating, Add</i>	7,514.93	
40 05 19 00-0530	EA	48" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,683.30	3,154.87
		<i>For Class 52 Rating, Deduct</i>	-2,849.35	
		<i>For Class 54 Rating, Add</i>	3,942.84	
		<i>For Class 55 Rating, Add</i>	5,891.13	
		<i>For Class 56 Rating, Add</i>	7,813.52	
40 05 19 00-0531	EA	48" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,693.62	3,158.63
		<i>For Class 52 Rating, Deduct</i>	-2,959.86	
		<i>For Class 54 Rating, Add</i>	4,093.60	
		<i>For Class 55 Rating, Add</i>	6,115.30	
		<i>For Class 56 Rating, Add</i>	8,110.09	
40 05 19 00-0532	EA	48" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,702.54	3,162.38
		<i>For Class 52 Rating, Deduct</i>	-3,070.22	
		<i>For Class 54 Rating, Add</i>	4,244.16	
		<i>For Class 55 Rating, Add</i>	6,339.16	
		<i>For Class 56 Rating, Add</i>	8,406.26	
40 05 19 00-0533	EA	48" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,719.73	3,166.14
		<i>For Class 52 Rating, Deduct</i>	-3,181.48	
		<i>For Class 54 Rating, Add</i>	4,395.95	
		<i>For Class 55 Rating, Add</i>	6,564.86	
		<i>For Class 56 Rating, Add</i>	8,704.85	
40 05 19 00-0534	EA	48" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,730.05	3,169.88
		<i>For Class 52 Rating, Deduct</i>	-3,291.99	
		<i>For Class 54 Rating, Add</i>	4,546.71	
		<i>For Class 55 Rating, Add</i>	6,789.03	
		<i>For Class 56 Rating, Add</i>	9,001.42	
40 05 19 00-0535	EA	48" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,738.98	3,173.63
		<i>For Class 52 Rating, Deduct</i>	-3,402.35	
		<i>For Class 54 Rating, Add</i>	4,697.27	
		<i>For Class 55 Rating, Add</i>	7,012.90	
		<i>For Class 56 Rating, Add</i>	9,297.59	
40 05 19 00-0536	EA	48" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,756.17	3,177.39
		<i>For Class 52 Rating, Deduct</i>	-3,513.61	
		<i>For Class 54 Rating, Add</i>	4,849.06	
		<i>For Class 55 Rating, Add</i>	7,238.60	
		<i>For Class 56 Rating, Add</i>	9,596.19	
40 05 19 00-0537	EA	48" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,767.86	3,181.13
		<i>For Class 52 Rating, Deduct</i>	-3,624.27	
		<i>For Class 54 Rating, Add</i>	5,000.03	
		<i>For Class 55 Rating, Add</i>	7,463.07	
		<i>For Class 56 Rating, Add</i>	9,893.16	
40 05 19 00-0538	EA	48" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,776.79	3,184.89
		<i>For Class 52 Rating, Deduct</i>	-3,734.63	
		<i>For Class 54 Rating, Add</i>	5,150.59	
		<i>For Class 55 Rating, Add</i>	7,686.93	
		<i>For Class 56 Rating, Add</i>	10,189.33	
40 05 19 00-0539	EA	48" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,793.97	3,188.64
		<i>For Class 52 Rating, Deduct</i>	-3,845.90	
		<i>For Class 54 Rating, Add</i>	5,302.38	
		<i>For Class 55 Rating, Add</i>	7,912.63	
		<i>For Class 56 Rating, Add</i>	10,487.92	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0540	EA		48" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	40,804.29	3,192.40
			<i>For Class 52 Rating, Deduct</i>	-3,956.41	
			<i>For Class 54 Rating, Add</i>	5,453.14	
			<i>For Class 55 Rating, Add</i>	8,136.80	
			<i>For Class 56 Rating, Add</i>	10,784.49	
40 05 19 00-0541	EA		48" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	41,813.22	3,196.14
			<i>For Class 52 Rating, Deduct</i>	-4,066.76	
			<i>For Class 54 Rating, Add</i>	5,603.70	
			<i>For Class 55 Rating, Add</i>	8,360.66	
			<i>For Class 56 Rating, Add</i>	11,080.66	
40 05 19 00-0542	EA		48" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	42,830.41	3,199.89
			<i>For Class 52 Rating, Deduct</i>	-4,178.03	
			<i>For Class 54 Rating, Add</i>	5,755.49	
			<i>For Class 55 Rating, Add</i>	8,586.36	
			<i>For Class 56 Rating, Add</i>	11,379.25	
40 05 19 00-0543	EA		48" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	43,840.72	3,203.65
			<i>For Class 52 Rating, Deduct</i>	-4,288.54	
			<i>For Class 54 Rating, Add</i>	5,906.25	
			<i>For Class 55 Rating, Add</i>	8,810.53	
			<i>For Class 56 Rating, Add</i>	11,675.82	
40 05 19 00-0544	EA		48" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	44,727.34	3,207.40
			<i>For Class 52 Rating, Deduct</i>	-4,385.44	
			<i>For Class 54 Rating, Add</i>	6,038.46	
			<i>For Class 55 Rating, Add</i>	9,007.12	
			<i>For Class 56 Rating, Add</i>	11,935.91	
40 05 19 00-0545	EA		48" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	45,868.22	3,211.15
			<i>For Class 52 Rating, Deduct</i>	-4,510.31	
			<i>For Class 54 Rating, Add</i>	6,208.81	
			<i>For Class 55 Rating, Add</i>	9,260.40	
			<i>For Class 56 Rating, Add</i>	12,270.99	
40 05 19 00-0546	EA		48" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	46,877.15	3,214.90
			<i>For Class 52 Rating, Deduct</i>	-4,620.67	
			<i>For Class 54 Rating, Add</i>	6,359.37	
			<i>For Class 55 Rating, Add</i>	9,484.26	
			<i>For Class 56 Rating, Add</i>	12,567.15	
40 05 19 00-0547	EA		48" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	47,895.70	3,218.65
			<i>For Class 52 Rating, Deduct</i>	-4,732.09	
			<i>For Class 54 Rating, Add</i>	6,511.36	
			<i>For Class 55 Rating, Add</i>	9,710.27	
			<i>For Class 56 Rating, Add</i>	12,866.16	
40 05 19 00-0548	EA		48" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	48,904.65	3,222.41
			<i>For Class 52 Rating, Deduct</i>	-4,842.44	
			<i>For Class 54 Rating, Add</i>	6,661.92	
			<i>For Class 55 Rating, Add</i>	9,934.13	
			<i>For Class 56 Rating, Add</i>	13,162.32	
40 05 19 00-0549	EA		48" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	49,913.59	3,226.15
			<i>For Class 52 Rating, Deduct</i>	-4,952.80	
			<i>For Class 54 Rating, Add</i>	6,812.48	
			<i>For Class 55 Rating, Add</i>	10,157.99	
			<i>For Class 56 Rating, Add</i>	13,458.49	
40 05 19 00-0550	EA		48" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	50,932.14	3,229.91
			<i>For Class 52 Rating, Deduct</i>	-5,064.22	
			<i>For Class 54 Rating, Add</i>	6,964.48	
			<i>For Class 55 Rating, Add</i>	10,384.00	
			<i>For Class 56 Rating, Add</i>	13,757.49	
40 05 19 00-0551	EA		48" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	51,941.08	3,233.66
			<i>For Class 52 Rating, Deduct</i>	-5,174.58	
			<i>For Class 54 Rating, Add</i>	7,115.03	
			<i>For Class 55 Rating, Add</i>	10,607.86	
			<i>For Class 56 Rating, Add</i>	14,053.65	
40 05 19 00-0552	EA		48" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	52,951.39	3,237.40
			<i>For Class 52 Rating, Deduct</i>	-5,285.09	
			<i>For Class 54 Rating, Add</i>	7,265.80	
			<i>For Class 55 Rating, Add</i>	10,832.03	
			<i>For Class 56 Rating, Add</i>	14,350.22	
40 05 19 00-0553	EA		48" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	53,968.58	3,241.16
			<i>For Class 52 Rating, Deduct</i>	-5,396.35	
			<i>For Class 54 Rating, Add</i>	7,417.59	
			<i>For Class 55 Rating, Add</i>	11,057.73	
			<i>For Class 56 Rating, Add</i>	14,648.82	
40 05 19 00-0554			Flanged End x Grooved End (FxF), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0001)</small>		
40 05 19 00-0555			4" Flanged End x Grooved End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0556	EA		4" Flanged x Grooved (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	493.73	171.67
			<i>For Class 52 Rating, Deduct</i>	-25.70	
			<i>For Class 54 Rating, Add</i>	38.17	
			<i>For Class 55 Rating, Add</i>	58.34	
			<i>For Class 56 Rating, Add</i>	78.28	
40 05 19 00-0557	EA		4" Flanged x Grooved (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	534.01	174.67
			<i>For Class 52 Rating, Deduct</i>	-29.63	
			<i>For Class 54 Rating, Add</i>	43.58	
			<i>For Class 55 Rating, Add</i>	66.42	
			<i>For Class 56 Rating, Add</i>	88.99	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0558	EA		4" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	574.29	177.67
			For Class 52 Rating, Deduct	-33.56	
			For Class 54 Rating, Add	49.00	
			For Class 55 Rating, Add	74.50	
			For Class 56 Rating, Add	99.70	
40 05 19 00-0559	EA		4" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	614.56	180.67
			For Class 52 Rating, Deduct	-37.49	
			For Class 54 Rating, Add	54.41	
			For Class 55 Rating, Add	82.57	
			For Class 56 Rating, Add	110.40	
40 05 19 00-0560	EA		4" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	654.84	183.67
			For Class 52 Rating, Deduct	-41.42	
			For Class 54 Rating, Add	59.82	
			For Class 55 Rating, Add	90.65	
			For Class 56 Rating, Add	121.10	
40 05 19 00-0561	EA		4" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	695.13	186.67
			For Class 52 Rating, Deduct	-45.35	
			For Class 54 Rating, Add	65.24	
			For Class 55 Rating, Add	98.73	
			For Class 56 Rating, Add	131.81	
40 05 19 00-0562	EA		4" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	735.41	189.67
			For Class 52 Rating, Deduct	-49.28	
			For Class 54 Rating, Add	70.65	
			For Class 55 Rating, Add	106.81	
			For Class 56 Rating, Add	142.51	
40 05 19 00-0563	EA		4" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	775.68	192.67
			For Class 52 Rating, Deduct	-53.21	
			For Class 54 Rating, Add	76.07	
			For Class 55 Rating, Add	114.88	
			For Class 56 Rating, Add	153.22	
40 05 19 00-0564	EA		4" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	815.96	195.68
			For Class 52 Rating, Deduct	-57.14	
			For Class 54 Rating, Add	81.48	
			For Class 55 Rating, Add	122.96	
			For Class 56 Rating, Add	163.92	
40 05 19 00-0565	EA		4" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	856.24	198.68
			For Class 52 Rating, Deduct	-61.08	
			For Class 54 Rating, Add	86.90	
			For Class 55 Rating, Add	131.04	
			For Class 56 Rating, Add	174.63	
40 05 19 00-0566	EA		4" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	896.52	201.68
			For Class 52 Rating, Deduct	-65.01	
			For Class 54 Rating, Add	92.31	
			For Class 55 Rating, Add	139.12	
			For Class 56 Rating, Add	185.33	
40 05 19 00-0567	EA		4" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	936.80	204.68
			For Class 52 Rating, Deduct	-68.94	
			For Class 54 Rating, Add	97.72	
			For Class 55 Rating, Add	147.19	
			For Class 56 Rating, Add	196.04	
40 05 19 00-0568	EA		4" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	977.08	207.68
			For Class 52 Rating, Deduct	-72.87	
			For Class 54 Rating, Add	103.14	
			For Class 55 Rating, Add	155.27	
			For Class 56 Rating, Add	206.74	
40 05 19 00-0569	EA		4" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,017.36	210.68
			For Class 52 Rating, Deduct	-76.80	
			For Class 54 Rating, Add	108.55	
			For Class 55 Rating, Add	163.35	
			For Class 56 Rating, Add	217.45	
40 05 19 00-0570	EA		4" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,057.64	213.68
			For Class 52 Rating, Deduct	-80.73	
			For Class 54 Rating, Add	113.97	
			For Class 55 Rating, Add	171.43	
			For Class 56 Rating, Add	228.15	
40 05 19 00-0571	EA		4" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,097.92	216.68
			For Class 52 Rating, Deduct	-84.66	
			For Class 54 Rating, Add	119.38	
			For Class 55 Rating, Add	179.50	
			For Class 56 Rating, Add	238.86	
40 05 19 00-0572	EA		4" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,138.20	219.69
			For Class 52 Rating, Deduct	-88.59	
			For Class 54 Rating, Add	124.80	
			For Class 55 Rating, Add	187.58	
			For Class 56 Rating, Add	249.56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0573	EA		4" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,178.48	222.69
			Pipe .....	-92.52	
			For Class 52 Rating, Deduct	130.21	
			For Class 54 Rating, Add	195.66	
			For Class 55 Rating, Add	260.27	
			For Class 56 Rating, Add		
40 05 19 00-0574	EA		4" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,218.76	225.69
			Pipe .....	-96.45	
			For Class 52 Rating, Deduct	135.63	
			For Class 54 Rating, Add	203.74	
			For Class 55 Rating, Add	270.97	
			For Class 56 Rating, Add		
40 05 19 00-0575	EA		4" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,259.04	228.68
			Pipe .....	-100.38	
			For Class 52 Rating, Deduct	141.04	
			For Class 54 Rating, Add	211.81	
			For Class 55 Rating, Add	281.68	
			For Class 56 Rating, Add		
40 05 19 00-0576	EA		4" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,299.31	231.68
			Pipe .....	-104.31	
			For Class 52 Rating, Deduct	146.45	
			For Class 54 Rating, Add	219.89	
			For Class 55 Rating, Add	292.38	
			For Class 56 Rating, Add		
40 05 19 00-0577	EA		4" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,339.59	234.68
			Pipe .....	-108.24	
			For Class 52 Rating, Deduct	151.87	
			For Class 54 Rating, Add	227.97	
			For Class 55 Rating, Add	303.08	
			For Class 56 Rating, Add		
40 05 19 00-0578	EA		4" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,379.88	237.68
			Pipe .....	-112.17	
			For Class 52 Rating, Deduct	157.28	
			For Class 54 Rating, Add	236.05	
			For Class 55 Rating, Add	313.79	
			For Class 56 Rating, Add		
40 05 19 00-0579	EA		4" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,420.16	240.68
			Pipe .....	-116.10	
			For Class 52 Rating, Deduct	162.70	
			For Class 54 Rating, Add	244.12	
			For Class 55 Rating, Add	324.50	
			For Class 56 Rating, Add		
40 05 19 00-0580	EA		4" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,460.43	243.69
			Pipe .....	-120.03	
			For Class 52 Rating, Deduct	168.11	
			For Class 54 Rating, Add	252.20	
			For Class 55 Rating, Add	335.20	
			For Class 56 Rating, Add		
40 05 19 00-0581	EA		4" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,500.71	246.69
			Pipe .....	-123.96	
			For Class 52 Rating, Deduct	173.53	
			For Class 54 Rating, Add	260.28	
			For Class 55 Rating, Add	345.90	
			For Class 56 Rating, Add		
40 05 19 00-0582	EA		4" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,540.98	249.69
			Pipe .....	-127.89	
			For Class 52 Rating, Deduct	178.94	
			For Class 54 Rating, Add	268.35	
			For Class 55 Rating, Add	356.61	
			For Class 56 Rating, Add		
40 05 19 00-0583	EA		4" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,581.28	252.69
			Pipe .....	-131.83	
			For Class 52 Rating, Deduct	184.36	
			For Class 54 Rating, Add	276.43	
			For Class 55 Rating, Add	367.31	
			For Class 56 Rating, Add		
40 05 19 00-0584	EA		4" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,621.55	255.69
			Pipe .....	-135.76	
			For Class 52 Rating, Deduct	189.77	
			For Class 54 Rating, Add	284.51	
			For Class 55 Rating, Add	378.02	
			For Class 56 Rating, Add		
40 05 19 00-0585	EA		4" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,661.83	258.69
			Pipe .....	-139.69	
			For Class 52 Rating, Deduct	195.18	
			For Class 54 Rating, Add	292.59	
			For Class 55 Rating, Add	388.72	
			For Class 56 Rating, Add		
40 05 19 00-0586	EA		4" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,702.10	261.69
			Pipe .....	-143.62	
			For Class 52 Rating, Deduct	200.60	
			For Class 54 Rating, Add	300.66	
			For Class 55 Rating, Add	399.43	
			For Class 56 Rating, Add		
40 05 19 00-0587	EA		4" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,742.39	264.69
			Pipe .....	-147.55	
			For Class 52 Rating, Deduct	206.01	
			For Class 54 Rating, Add	308.74	
			For Class 55 Rating, Add	410.13	
			For Class 56 Rating, Add		

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

40 05 19 00-0588	EA	4" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,782.66	267.70
		<i>For Class 52 Rating, Deduct</i>	-151.48	
		<i>For Class 54 Rating, Add</i>	211.43	
		<i>For Class 55 Rating, Add</i>	316.82	
		<i>For Class 56 Rating, Add</i>	420.84	
40 05 19 00-0589	EA	4" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,822.95	270.70
		<i>For Class 52 Rating, Deduct</i>	-155.41	
		<i>For Class 54 Rating, Add</i>	216.84	
		<i>For Class 55 Rating, Add</i>	324.90	
		<i>For Class 56 Rating, Add</i>	431.54	
40 05 19 00-0590	EA	4" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,863.23	273.70
		<i>For Class 52 Rating, Deduct</i>	-159.34	
		<i>For Class 54 Rating, Add</i>	222.26	
		<i>For Class 55 Rating, Add</i>	332.97	
		<i>For Class 56 Rating, Add</i>	442.25	
40 05 19 00-0591	EA	4" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,903.51	276.70
		<i>For Class 52 Rating, Deduct</i>	-163.27	
		<i>For Class 54 Rating, Add</i>	227.67	
		<i>For Class 55 Rating, Add</i>	341.05	
		<i>For Class 56 Rating, Add</i>	452.95	
40 05 19 00-0592	EA	4" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,943.79	279.70
		<i>For Class 52 Rating, Deduct</i>	-167.20	
		<i>For Class 54 Rating, Add</i>	233.09	
		<i>For Class 55 Rating, Add</i>	349.13	
		<i>For Class 56 Rating, Add</i>	463.66	
40 05 19 00-0593	EA	4" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,984.06	282.70
		<i>For Class 52 Rating, Deduct</i>	-171.13	
		<i>For Class 54 Rating, Add</i>	238.50	
		<i>For Class 55 Rating, Add</i>	357.21	
		<i>For Class 56 Rating, Add</i>	474.36	
40 05 19 00-0594	EA	4" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,024.35	285.70
		<i>For Class 52 Rating, Deduct</i>	-175.06	
		<i>For Class 54 Rating, Add</i>	243.91	
		<i>For Class 55 Rating, Add</i>	365.28	
		<i>For Class 56 Rating, Add</i>	485.06	

**40 05 19 00-0595 6" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe**

(40 05 19 00-0554)

40 05 19 00-0596	EA	6" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	617.37	216.08
		<i>For Class 52 Rating, Deduct</i>	-31.90	
		<i>For Class 54 Rating, Add</i>	47.43	
		<i>For Class 55 Rating, Add</i>	72.52	
		<i>For Class 56 Rating, Add</i>	97.33	
40 05 19 00-0597	EA	6" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	665.89	219.08
		<i>For Class 52 Rating, Deduct</i>	-36.74	
		<i>For Class 54 Rating, Add</i>	54.08	
		<i>For Class 55 Rating, Add</i>	82.44	
		<i>For Class 56 Rating, Add</i>	110.47	
40 05 19 00-0598	EA	6" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	714.43	222.08
		<i>For Class 52 Rating, Deduct</i>	-41.57	
		<i>For Class 54 Rating, Add</i>	60.73	
		<i>For Class 55 Rating, Add</i>	92.36	
		<i>For Class 56 Rating, Add</i>	123.61	
40 05 19 00-0599	EA	6" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	762.95	225.08
		<i>For Class 52 Rating, Deduct</i>	-46.41	
		<i>For Class 54 Rating, Add</i>	67.38	
		<i>For Class 55 Rating, Add</i>	102.27	
		<i>For Class 56 Rating, Add</i>	136.74	
40 05 19 00-0600	EA	6" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	811.47	228.08
		<i>For Class 52 Rating, Deduct</i>	-51.25	
		<i>For Class 54 Rating, Add</i>	74.03	
		<i>For Class 55 Rating, Add</i>	112.19	
		<i>For Class 56 Rating, Add</i>	149.88	
40 05 19 00-0601	EA	6" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	859.99	231.08
		<i>For Class 52 Rating, Deduct</i>	-56.09	
		<i>For Class 54 Rating, Add</i>	80.68	
		<i>For Class 55 Rating, Add</i>	122.10	
		<i>For Class 56 Rating, Add</i>	163.02	
40 05 19 00-0602	EA	6" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	908.52	234.09
		<i>For Class 52 Rating, Deduct</i>	-60.92	
		<i>For Class 54 Rating, Add</i>	87.33	
		<i>For Class 55 Rating, Add</i>	132.02	
		<i>For Class 56 Rating, Add</i>	176.15	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0603	EA		6" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	957.05	237.09
			For Class 52 Rating, Deduct	-65.76	
			For Class 54 Rating, Add	93.99	
			For Class 55 Rating, Add	141.94	
			For Class 56 Rating, Add	189.29	
40 05 19 00-0604	EA		6" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,005.58	240.09
			For Class 52 Rating, Deduct	-70.60	
			For Class 54 Rating, Add	100.64	
			For Class 55 Rating, Add	151.85	
			For Class 56 Rating, Add	202.43	
40 05 19 00-0605	EA		6" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,054.10	243.09
			For Class 52 Rating, Deduct	-75.44	
			For Class 54 Rating, Add	107.29	
			For Class 55 Rating, Add	161.77	
			For Class 56 Rating, Add	215.57	
40 05 19 00-0606	EA		6" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,102.62	246.09
			For Class 52 Rating, Deduct	-80.27	
			For Class 54 Rating, Add	113.94	
			For Class 55 Rating, Add	171.69	
			For Class 56 Rating, Add	228.70	
40 05 19 00-0607	EA		6" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,151.14	249.09
			For Class 52 Rating, Deduct	-85.11	
			For Class 54 Rating, Add	120.59	
			For Class 55 Rating, Add	181.60	
			For Class 56 Rating, Add	241.84	
40 05 19 00-0608	EA		6" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,199.68	252.09
			For Class 52 Rating, Deduct	-89.95	
			For Class 54 Rating, Add	127.24	
			For Class 55 Rating, Add	191.52	
			For Class 56 Rating, Add	254.98	
40 05 19 00-0609	EA		6" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,248.20	255.09
			For Class 52 Rating, Deduct	-94.79	
			For Class 54 Rating, Add	133.89	
			For Class 55 Rating, Add	201.44	
			For Class 56 Rating, Add	268.12	
40 05 19 00-0610	EA		6" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,296.73	258.09
			For Class 52 Rating, Deduct	-99.62	
			For Class 54 Rating, Add	140.54	
			For Class 55 Rating, Add	211.35	
			For Class 56 Rating, Add	281.25	
40 05 19 00-0611	EA		6" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,345.26	261.10
			For Class 52 Rating, Deduct	-104.46	
			For Class 54 Rating, Add	147.20	
			For Class 55 Rating, Add	221.27	
			For Class 56 Rating, Add	294.39	
40 05 19 00-0612	EA		6" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,393.77	264.10
			For Class 52 Rating, Deduct	-109.30	
			For Class 54 Rating, Add	153.85	
			For Class 55 Rating, Add	231.18	
			For Class 56 Rating, Add	307.53	
40 05 19 00-0613	EA		6" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,442.30	267.10
			For Class 52 Rating, Deduct	-114.14	
			For Class 54 Rating, Add	160.50	
			For Class 55 Rating, Add	241.10	
			For Class 56 Rating, Add	320.66	
40 05 19 00-0614	EA		6" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,490.83	270.10
			For Class 52 Rating, Deduct	-118.97	
			For Class 54 Rating, Add	167.15	
			For Class 55 Rating, Add	251.02	
			For Class 56 Rating, Add	333.80	
40 05 19 00-0615	EA		6" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,539.36	273.10
			For Class 52 Rating, Deduct	-123.81	
			For Class 54 Rating, Add	173.80	
			For Class 55 Rating, Add	260.93	
			For Class 56 Rating, Add	346.94	
40 05 19 00-0616	EA		6" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,587.88	276.10
			For Class 52 Rating, Deduct	-128.65	
			For Class 54 Rating, Add	180.45	
			For Class 55 Rating, Add	270.85	
			For Class 56 Rating, Add	360.08	
40 05 19 00-0617	EA		6" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,636.40	279.10
			For Class 52 Rating, Deduct	-133.49	
			For Class 54 Rating, Add	187.10	
			For Class 55 Rating, Add	280.76	
			For Class 56 Rating, Add	373.21	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

40 05 19 00-0618	EA	6" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,684.92	282.10
		<i>For Class 52 Rating, Deduct</i>	-138.33	
		<i>For Class 54 Rating, Add</i>	193.75	
		<i>For Class 55 Rating, Add</i>	290.68	
		<i>For Class 56 Rating, Add</i>	386.35	
40 05 19 00-0619	EA	6" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,733.46	285.11
		<i>For Class 52 Rating, Deduct</i>	-143.16	
		<i>For Class 54 Rating, Add</i>	200.41	
		<i>For Class 55 Rating, Add</i>	300.60	
		<i>For Class 56 Rating, Add</i>	399.49	
40 05 19 00-0620	EA	6" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,781.98	288.11
		<i>For Class 52 Rating, Deduct</i>	-148.00	
		<i>For Class 54 Rating, Add</i>	207.06	
		<i>For Class 55 Rating, Add</i>	310.51	
		<i>For Class 56 Rating, Add</i>	412.63	
40 05 19 00-0621	EA	6" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,830.51	291.11
		<i>For Class 52 Rating, Deduct</i>	-152.84	
		<i>For Class 54 Rating, Add</i>	213.71	
		<i>For Class 55 Rating, Add</i>	320.43	
		<i>For Class 56 Rating, Add</i>	425.76	
40 05 19 00-0622	EA	6" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,879.03	294.11
		<i>For Class 52 Rating, Deduct</i>	-157.68	
		<i>For Class 54 Rating, Add</i>	220.36	
		<i>For Class 55 Rating, Add</i>	330.35	
		<i>For Class 56 Rating, Add</i>	438.90	
40 05 19 00-0623	EA	6" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,927.55	297.11
		<i>For Class 52 Rating, Deduct</i>	-162.51	
		<i>For Class 54 Rating, Add</i>	227.01	
		<i>For Class 55 Rating, Add</i>	340.26	
		<i>For Class 56 Rating, Add</i>	452.04	
40 05 19 00-0624	EA	6" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,976.07	300.11
		<i>For Class 52 Rating, Deduct</i>	-167.35	
		<i>For Class 54 Rating, Add</i>	233.66	
		<i>For Class 55 Rating, Add</i>	350.18	
		<i>For Class 56 Rating, Add</i>	465.17	
40 05 19 00-0625	EA	6" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,024.61	303.11
		<i>For Class 52 Rating, Deduct</i>	-172.19	
		<i>For Class 54 Rating, Add</i>	240.31	
		<i>For Class 55 Rating, Add</i>	360.10	
		<i>For Class 56 Rating, Add</i>	478.31	
40 05 19 00-0626	EA	6" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,073.13	306.11
		<i>For Class 52 Rating, Deduct</i>	-177.03	
		<i>For Class 54 Rating, Add</i>	246.97	
		<i>For Class 55 Rating, Add</i>	370.01	
		<i>For Class 56 Rating, Add</i>	491.45	
40 05 19 00-0627	EA	6" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,121.66	309.11
		<i>For Class 52 Rating, Deduct</i>	-181.86	
		<i>For Class 54 Rating, Add</i>	253.62	
		<i>For Class 55 Rating, Add</i>	379.93	
		<i>For Class 56 Rating, Add</i>	504.59	
40 05 19 00-0628	EA	6" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,170.18	312.11
		<i>For Class 52 Rating, Deduct</i>	-186.70	
		<i>For Class 54 Rating, Add</i>	260.27	
		<i>For Class 55 Rating, Add</i>	389.85	
		<i>For Class 56 Rating, Add</i>	517.72	
40 05 19 00-0629	EA	6" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,218.70	315.11
		<i>For Class 52 Rating, Deduct</i>	-191.54	
		<i>For Class 54 Rating, Add</i>	266.92	
		<i>For Class 55 Rating, Add</i>	399.76	
		<i>For Class 56 Rating, Add</i>	530.86	
40 05 19 00-0630	EA	6" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,267.23	318.11
		<i>For Class 52 Rating, Deduct</i>	-196.38	
		<i>For Class 54 Rating, Add</i>	273.57	
		<i>For Class 55 Rating, Add</i>	409.68	
		<i>For Class 56 Rating, Add</i>	544.00	
40 05 19 00-0631	EA	6" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,315.76	321.11
		<i>For Class 52 Rating, Deduct</i>	-201.21	
		<i>For Class 54 Rating, Add</i>	280.22	
		<i>For Class 55 Rating, Add</i>	419.59	
		<i>For Class 56 Rating, Add</i>	557.14	
40 05 19 00-0632	EA	6" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,364.29	324.11
		<i>For Class 52 Rating, Deduct</i>	-206.05	
		<i>For Class 54 Rating, Add</i>	286.87	
		<i>For Class 55 Rating, Add</i>	429.51	
		<i>For Class 56 Rating, Add</i>	570.27	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0633	EA		6" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,412.81	327.11
			For Class 52 Rating, Deduct	-210.89	
			For Class 54 Rating, Add	293.52	
			For Class 55 Rating, Add	439.43	
			For Class 56 Rating, Add	583.41	
40 05 19 00-0634	EA		6" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,461.33	330.11
			For Class 52 Rating, Deduct	-215.73	
			For Class 54 Rating, Add	300.17	
			For Class 55 Rating, Add	449.34	
			For Class 56 Rating, Add	596.55	
<b>40 05 19 00-0635</b>			<b>8" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b>		
			<small>(40 05 19 00-0554)</small>		
40 05 19 00-0636	EA		8" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	841.62	276.10
			For Class 52 Rating, Deduct	-46.56	
			For Class 54 Rating, Add	68.51	
			For Class 55 Rating, Add	104.43	
			For Class 56 Rating, Add	139.93	
40 05 19 00-0637	EA		8" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	906.64	279.10
			For Class 52 Rating, Deduct	-53.21	
			For Class 54 Rating, Add	77.64	
			For Class 55 Rating, Add	118.03	
			For Class 56 Rating, Add	157.93	
40 05 19 00-0638	EA		8" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	971.65	282.10
			For Class 52 Rating, Deduct	-59.87	
			For Class 54 Rating, Add	86.76	
			For Class 55 Rating, Add	131.62	
			For Class 56 Rating, Add	175.93	
40 05 19 00-0639	EA		8" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,036.68	285.11
			For Class 52 Rating, Deduct	-66.52	
			For Class 54 Rating, Add	95.89	
			For Class 55 Rating, Add	145.22	
			For Class 56 Rating, Add	193.94	
40 05 19 00-0640	EA		8" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,101.69	288.11
			For Class 52 Rating, Deduct	-73.17	
			For Class 54 Rating, Add	105.01	
			For Class 55 Rating, Add	158.81	
			For Class 56 Rating, Add	211.94	
40 05 19 00-0641	EA		8" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,166.71	291.11
			For Class 52 Rating, Deduct	-79.82	
			For Class 54 Rating, Add	114.14	
			For Class 55 Rating, Add	172.40	
			For Class 56 Rating, Add	229.94	
40 05 19 00-0642	EA		8" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,231.72	294.11
			For Class 52 Rating, Deduct	-86.47	
			For Class 54 Rating, Add	123.26	
			For Class 55 Rating, Add	186.00	
			For Class 56 Rating, Add	247.94	
40 05 19 00-0643	EA		8" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,296.74	297.11
			For Class 52 Rating, Deduct	-93.12	
			For Class 54 Rating, Add	132.39	
			For Class 55 Rating, Add	199.59	
			For Class 56 Rating, Add	265.95	
40 05 19 00-0644	EA		8" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,361.75	300.11
			For Class 52 Rating, Deduct	-99.78	
			For Class 54 Rating, Add	141.51	
			For Class 55 Rating, Add	213.18	
			For Class 56 Rating, Add	283.95	
40 05 19 00-0645	EA		8" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,426.78	303.11
			For Class 52 Rating, Deduct	-106.43	
			For Class 54 Rating, Add	150.64	
			For Class 55 Rating, Add	226.78	
			For Class 56 Rating, Add	301.95	
40 05 19 00-0646	EA		8" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,491.79	306.11
			For Class 52 Rating, Deduct	-113.08	
			For Class 54 Rating, Add	159.76	
			For Class 55 Rating, Add	240.37	
			For Class 56 Rating, Add	319.95	
40 05 19 00-0647	EA		8" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,556.81	309.11
			For Class 52 Rating, Deduct	-119.73	
			For Class 54 Rating, Add	168.89	
			For Class 55 Rating, Add	253.97	
			For Class 56 Rating, Add	337.96	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

40 05 19 00-0648	EA	8" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,621.82	312.11
		<i>For Class 52 Rating, Deduct</i>	-126.38	
		<i>For Class 54 Rating, Add</i>	178.01	
		<i>For Class 55 Rating, Add</i>	267.56	
		<i>For Class 56 Rating, Add</i>	355.96	
40 05 19 00-0649	EA	8" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,686.84	315.11
		<i>For Class 52 Rating, Deduct</i>	-133.03	
		<i>For Class 54 Rating, Add</i>	187.14	
		<i>For Class 55 Rating, Add</i>	281.15	
		<i>For Class 56 Rating, Add</i>	373.96	
40 05 19 00-0650	EA	8" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,751.86	318.11
		<i>For Class 52 Rating, Deduct</i>	-139.69	
		<i>For Class 54 Rating, Add</i>	196.26	
		<i>For Class 55 Rating, Add</i>	294.75	
		<i>For Class 56 Rating, Add</i>	391.96	
40 05 19 00-0651	EA	8" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,816.88	321.11
		<i>For Class 52 Rating, Deduct</i>	-146.34	
		<i>For Class 54 Rating, Add</i>	205.39	
		<i>For Class 55 Rating, Add</i>	308.34	
		<i>For Class 56 Rating, Add</i>	409.97	
40 05 19 00-0652	EA	8" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,881.90	324.11
		<i>For Class 52 Rating, Deduct</i>	-152.99	
		<i>For Class 54 Rating, Add</i>	214.51	
		<i>For Class 55 Rating, Add</i>	321.94	
		<i>For Class 56 Rating, Add</i>	427.97	
40 05 19 00-0653	EA	8" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,946.91	327.11
		<i>For Class 52 Rating, Deduct</i>	-159.64	
		<i>For Class 54 Rating, Add</i>	223.64	
		<i>For Class 55 Rating, Add</i>	335.53	
		<i>For Class 56 Rating, Add</i>	445.97	
40 05 19 00-0654	EA	8" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,011.93	330.11
		<i>For Class 52 Rating, Deduct</i>	-166.29	
		<i>For Class 54 Rating, Add</i>	232.76	
		<i>For Class 55 Rating, Add</i>	349.12	
		<i>For Class 56 Rating, Add</i>	463.97	
40 05 19 00-0655	EA	8" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,076.95	333.12
		<i>For Class 52 Rating, Deduct</i>	-172.94	
		<i>For Class 54 Rating, Add</i>	241.89	
		<i>For Class 55 Rating, Add</i>	362.72	
		<i>For Class 56 Rating, Add</i>	481.98	
40 05 19 00-0656	EA	8" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,141.97	336.12
		<i>For Class 52 Rating, Deduct</i>	-179.60	
		<i>For Class 54 Rating, Add</i>	251.01	
		<i>For Class 55 Rating, Add</i>	376.31	
		<i>For Class 56 Rating, Add</i>	499.98	
40 05 19 00-0657	EA	8" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,206.98	339.12
		<i>For Class 52 Rating, Deduct</i>	-186.25	
		<i>For Class 54 Rating, Add</i>	260.14	
		<i>For Class 55 Rating, Add</i>	389.91	
		<i>For Class 56 Rating, Add</i>	517.98	
40 05 19 00-0658	EA	8" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,272.00	342.12
		<i>For Class 52 Rating, Deduct</i>	-192.90	
		<i>For Class 54 Rating, Add</i>	269.26	
		<i>For Class 55 Rating, Add</i>	403.50	
		<i>For Class 56 Rating, Add</i>	535.98	
40 05 19 00-0659	EA	8" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,337.01	345.12
		<i>For Class 52 Rating, Deduct</i>	-199.55	
		<i>For Class 54 Rating, Add</i>	278.39	
		<i>For Class 55 Rating, Add</i>	417.09	
		<i>For Class 56 Rating, Add</i>	553.98	
40 05 19 00-0660	EA	8" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,402.03	348.12
		<i>For Class 52 Rating, Deduct</i>	-206.20	
		<i>For Class 54 Rating, Add</i>	287.52	
		<i>For Class 55 Rating, Add</i>	430.69	
		<i>For Class 56 Rating, Add</i>	571.99	
40 05 19 00-0661	EA	8" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,467.05	351.12
		<i>For Class 52 Rating, Deduct</i>	-212.85	
		<i>For Class 54 Rating, Add</i>	296.64	
		<i>For Class 55 Rating, Add</i>	444.28	
		<i>For Class 56 Rating, Add</i>	589.99	
40 05 19 00-0662	EA	8" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,532.07	354.12
		<i>For Class 52 Rating, Deduct</i>	-219.51	
		<i>For Class 54 Rating, Add</i>	305.77	
		<i>For Class 55 Rating, Add</i>	457.88	
		<i>For Class 56 Rating, Add</i>	607.99	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0663 EA 8" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	2,597.08	357.13
Pipe .....	-226.16	
For Class 52 Rating, Deduct	314.89	
For Class 54 Rating, Add	471.47	
For Class 55 Rating, Add	625.99	
For Class 56 Rating, Add		
40 05 19 00-0664 EA 8" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	2,662.10	360.13
Pipe .....	-232.81	
For Class 52 Rating, Deduct	324.02	
For Class 54 Rating, Add	485.06	
For Class 55 Rating, Add	644.00	
For Class 56 Rating, Add		
40 05 19 00-0665 EA 8" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	2,727.11	363.13
Pipe .....	-239.46	
For Class 52 Rating, Deduct	333.14	
For Class 54 Rating, Add	498.66	
For Class 55 Rating, Add	662.00	
For Class 56 Rating, Add		
40 05 19 00-0666 EA 8" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	2,792.14	366.13
Pipe .....	-246.11	
For Class 52 Rating, Deduct	342.27	
For Class 54 Rating, Add	512.25	
For Class 55 Rating, Add	680.00	
For Class 56 Rating, Add		
40 05 19 00-0667 EA 8" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	2,857.15	369.13
Pipe .....	-252.76	
For Class 52 Rating, Deduct	351.39	
For Class 54 Rating, Add	525.85	
For Class 55 Rating, Add	698.00	
For Class 56 Rating, Add		
40 05 19 00-0668 EA 8" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	2,922.17	372.13
Pipe .....	-259.42	
For Class 52 Rating, Deduct	360.52	
For Class 54 Rating, Add	539.44	
For Class 55 Rating, Add	716.01	
For Class 56 Rating, Add		
40 05 19 00-0669 EA 8" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	2,987.18	375.13
Pipe .....	-266.07	
For Class 52 Rating, Deduct	369.64	
For Class 54 Rating, Add	553.03	
For Class 55 Rating, Add	734.01	
For Class 56 Rating, Add		
40 05 19 00-0670 EA 8" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	3,052.20	378.13
Pipe .....	-272.72	
For Class 52 Rating, Deduct	378.77	
For Class 54 Rating, Add	566.63	
For Class 55 Rating, Add	752.01	
For Class 56 Rating, Add		
40 05 19 00-0671 EA 8" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	3,117.21	381.13
Pipe .....	-279.37	
For Class 52 Rating, Deduct	387.89	
For Class 54 Rating, Add	580.22	
For Class 55 Rating, Add	770.01	
For Class 56 Rating, Add		
40 05 19 00-0672 EA 8" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	3,182.24	384.14
Pipe .....	-286.02	
For Class 52 Rating, Deduct	397.02	
For Class 54 Rating, Add	593.82	
For Class 55 Rating, Add	788.02	
For Class 56 Rating, Add		
40 05 19 00-0673 EA 8" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	3,247.26	387.14
Pipe .....	-292.67	
For Class 52 Rating, Deduct	406.14	
For Class 54 Rating, Add	607.41	
For Class 55 Rating, Add	806.02	
For Class 56 Rating, Add		
40 05 19 00-0674 EA 8" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	3,312.27	390.14
Pipe .....	-299.33	
For Class 52 Rating, Deduct	415.27	
For Class 54 Rating, Add	621.00	
For Class 55 Rating, Add	824.02	
For Class 56 Rating, Add		
<b>40 05 19 00-0675 10" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-0554)</small>		
40 05 19 00-0676 EA 10" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,050.76	336.12
Pipe .....	-59.56	
For Class 52 Rating, Deduct	87.33	
For Class 54 Rating, Add	132.97	
For Class 55 Rating, Add	178.07	
For Class 56 Rating, Add		
40 05 19 00-0677 EA 10" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,135.01	339.12
Pipe .....	-68.33	
For Class 52 Rating, Deduct	99.34	
For Class 54 Rating, Add	150.86	
For Class 55 Rating, Add	201.75	
For Class 56 Rating, Add		

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0678	EA		10" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,219.27	342.12
			<i>For Class 52 Rating, Deduct</i>	-77.10	
			<i>For Class 54 Rating, Add</i>	111.36	
			<i>For Class 55 Rating, Add</i>	168.74	
			<i>For Class 56 Rating, Add</i>	225.43	
40 05 19 00-0679	EA		10" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,303.52	345.12
			<i>For Class 52 Rating, Deduct</i>	-85.87	
			<i>For Class 54 Rating, Add</i>	123.37	
			<i>For Class 55 Rating, Add</i>	186.63	
			<i>For Class 56 Rating, Add</i>	249.10	
40 05 19 00-0680	EA		10" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,387.78	348.12
			<i>For Class 52 Rating, Deduct</i>	-94.64	
			<i>For Class 54 Rating, Add</i>	135.38	
			<i>For Class 55 Rating, Add</i>	204.51	
			<i>For Class 56 Rating, Add</i>	272.78	
40 05 19 00-0681	EA		10" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,472.04	351.12
			<i>For Class 52 Rating, Deduct</i>	-103.40	
			<i>For Class 54 Rating, Add</i>	147.39	
			<i>For Class 55 Rating, Add</i>	222.39	
			<i>For Class 56 Rating, Add</i>	296.46	
40 05 19 00-0682	EA		10" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,556.31	354.12
			<i>For Class 52 Rating, Deduct</i>	-112.17	
			<i>For Class 54 Rating, Add</i>	159.40	
			<i>For Class 55 Rating, Add</i>	240.28	
			<i>For Class 56 Rating, Add</i>	320.14	
40 05 19 00-0683	EA		10" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,640.56	357.13
			<i>For Class 52 Rating, Deduct</i>	-120.94	
			<i>For Class 54 Rating, Add</i>	171.41	
			<i>For Class 55 Rating, Add</i>	258.17	
			<i>For Class 56 Rating, Add</i>	343.82	
40 05 19 00-0684	EA		10" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,724.82	360.13
			<i>For Class 52 Rating, Deduct</i>	-129.71	
			<i>For Class 54 Rating, Add</i>	183.42	
			<i>For Class 55 Rating, Add</i>	276.05	
			<i>For Class 56 Rating, Add</i>	367.50	
40 05 19 00-0685	EA		10" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,809.07	363.13
			<i>For Class 52 Rating, Deduct</i>	-138.48	
			<i>For Class 54 Rating, Add</i>	195.43	
			<i>For Class 55 Rating, Add</i>	293.93	
			<i>For Class 56 Rating, Add</i>	391.18	
40 05 19 00-0686	EA		10" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,893.34	366.13
			<i>For Class 52 Rating, Deduct</i>	-147.24	
			<i>For Class 54 Rating, Add</i>	207.45	
			<i>For Class 55 Rating, Add</i>	311.82	
			<i>For Class 56 Rating, Add</i>	414.86	
40 05 19 00-0687	EA		10" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,977.59	369.13
			<i>For Class 52 Rating, Deduct</i>	-156.01	
			<i>For Class 54 Rating, Add</i>	219.46	
			<i>For Class 55 Rating, Add</i>	329.70	
			<i>For Class 56 Rating, Add</i>	438.53	
40 05 19 00-0688	EA		10" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,061.85	372.13
			<i>For Class 52 Rating, Deduct</i>	-164.78	
			<i>For Class 54 Rating, Add</i>	231.47	
			<i>For Class 55 Rating, Add</i>	347.59	
			<i>For Class 56 Rating, Add</i>	462.21	
40 05 19 00-0689	EA		10" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,146.10	375.13
			<i>For Class 52 Rating, Deduct</i>	-173.55	
			<i>For Class 54 Rating, Add</i>	243.48	
			<i>For Class 55 Rating, Add</i>	365.47	
			<i>For Class 56 Rating, Add</i>	485.89	
40 05 19 00-0690	EA		10" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,230.36	378.13
			<i>For Class 52 Rating, Deduct</i>	-182.32	
			<i>For Class 54 Rating, Add</i>	255.49	
			<i>For Class 55 Rating, Add</i>	383.36	
			<i>For Class 56 Rating, Add</i>	509.57	
40 05 19 00-0691	EA		10" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,314.61	381.13
			<i>For Class 52 Rating, Deduct</i>	-191.09	
			<i>For Class 54 Rating, Add</i>	267.50	
			<i>For Class 55 Rating, Add</i>	401.24	
			<i>For Class 56 Rating, Add</i>	533.25	
40 05 19 00-0692	EA		10" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,398.88	384.14
			<i>For Class 52 Rating, Deduct</i>	-199.85	
			<i>For Class 54 Rating, Add</i>	279.51	
			<i>For Class 55 Rating, Add</i>	419.13	
			<i>For Class 56 Rating, Add</i>	556.92	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0693 EA 10" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe .....	2,483.14	387.14
For Class 52 Rating, Deduct .....	-208.62	
For Class 54 Rating, Add .....	291.52	
For Class 55 Rating, Add .....	437.01	
For Class 56 Rating, Add .....	580.60	
40 05 19 00-0694 EA 10" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe .....	2,567.39	390.14
For Class 52 Rating, Deduct .....	-217.39	
For Class 54 Rating, Add .....	303.53	
For Class 55 Rating, Add .....	454.90	
For Class 56 Rating, Add .....	604.28	
40 05 19 00-0695 EA 10" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe .....	2,651.65	393.14
For Class 52 Rating, Deduct .....	-226.16	
For Class 54 Rating, Add .....	315.55	
For Class 55 Rating, Add .....	472.78	
For Class 56 Rating, Add .....	627.96	
40 05 19 00-0696 EA 10" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe .....	2,735.90	396.14
For Class 52 Rating, Deduct .....	-234.93	
For Class 54 Rating, Add .....	327.56	
For Class 55 Rating, Add .....	490.66	
For Class 56 Rating, Add .....	651.64	
40 05 19 00-0697 EA 10" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe .....	2,820.17	399.14
For Class 52 Rating, Deduct .....	-243.69	
For Class 54 Rating, Add .....	339.57	
For Class 55 Rating, Add .....	508.55	
For Class 56 Rating, Add .....	675.31	
40 05 19 00-0698 EA 10" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe .....	2,904.42	402.14
For Class 52 Rating, Deduct .....	-252.46	
For Class 54 Rating, Add .....	351.58	
For Class 55 Rating, Add .....	526.43	
For Class 56 Rating, Add .....	698.99	
40 05 19 00-0699 EA 10" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe .....	2,988.68	405.14
For Class 52 Rating, Deduct .....	-261.23	
For Class 54 Rating, Add .....	363.59	
For Class 55 Rating, Add .....	544.32	
For Class 56 Rating, Add .....	722.67	
40 05 19 00-0700 EA 10" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe .....	3,072.94	408.15
For Class 52 Rating, Deduct .....	-270.00	
For Class 54 Rating, Add .....	375.60	
For Class 55 Rating, Add .....	562.20	
For Class 56 Rating, Add .....	746.35	
40 05 19 00-0701 EA 10" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe .....	3,157.20	411.15
For Class 52 Rating, Deduct .....	-278.77	
For Class 54 Rating, Add .....	387.61	
For Class 55 Rating, Add .....	560.09	
For Class 56 Rating, Add .....	770.03	
40 05 19 00-0702 EA 10" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe .....	3,241.46	414.15
For Class 52 Rating, Deduct .....	-287.54	
For Class 54 Rating, Add .....	399.62	
For Class 55 Rating, Add .....	597.97	
For Class 56 Rating, Add .....	793.71	
40 05 19 00-0703 EA 10" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe .....	3,325.72	417.15
For Class 52 Rating, Deduct .....	-296.30	
For Class 54 Rating, Add .....	411.64	
For Class 55 Rating, Add .....	615.86	
For Class 56 Rating, Add .....	817.39	
40 05 19 00-0704 EA 10" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe .....	3,409.97	420.15
For Class 52 Rating, Deduct .....	-305.07	
For Class 54 Rating, Add .....	423.65	
For Class 55 Rating, Add .....	633.74	
For Class 56 Rating, Add .....	841.06	
40 05 19 00-0705 EA 10" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe .....	3,494.23	423.15
For Class 52 Rating, Deduct .....	-313.84	
For Class 54 Rating, Add .....	435.66	
For Class 55 Rating, Add .....	651.63	
For Class 56 Rating, Add .....	864.74	
40 05 19 00-0706 EA 10" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe .....	3,578.48	426.15
For Class 52 Rating, Deduct .....	-322.61	
For Class 54 Rating, Add .....	447.67	
For Class 55 Rating, Add .....	669.51	
For Class 56 Rating, Add .....	888.42	
40 05 19 00-0707 EA 10" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe .....	3,662.74	429.15
For Class 52 Rating, Deduct .....	-331.38	
For Class 54 Rating, Add .....	459.68	
For Class 55 Rating, Add .....	687.40	
For Class 56 Rating, Add .....	912.10	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0708	EA		10" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,747.00	432.16
			For Class 52 Rating, Deduct	-340.14	
			For Class 54 Rating, Add	471.69	
			For Class 55 Rating, Add	705.28	
			For Class 56 Rating, Add	935.78	
40 05 19 00-0709	EA		10" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,831.26	435.16
			For Class 52 Rating, Deduct	-348.91	
			For Class 54 Rating, Add	483.70	
			For Class 55 Rating, Add	723.16	
			For Class 56 Rating, Add	959.46	
40 05 19 00-0710	EA		10" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,915.51	438.16
			For Class 52 Rating, Deduct	-357.68	
			For Class 54 Rating, Add	495.71	
			For Class 55 Rating, Add	741.05	
			For Class 56 Rating, Add	983.13	
40 05 19 00-0711	EA		10" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,999.77	441.16
			For Class 52 Rating, Deduct	-366.45	
			For Class 54 Rating, Add	507.72	
			For Class 55 Rating, Add	758.93	
			For Class 56 Rating, Add	1,006.81	
40 05 19 00-0712	EA		10" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,084.02	444.16
			For Class 52 Rating, Deduct	-375.22	
			For Class 54 Rating, Add	519.73	
			For Class 55 Rating, Add	776.82	
			For Class 56 Rating, Add	1,030.49	
40 05 19 00-0713	EA		10" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,168.29	447.16
			For Class 52 Rating, Deduct	-383.98	
			For Class 54 Rating, Add	531.75	
			For Class 55 Rating, Add	794.70	
			For Class 56 Rating, Add	1,054.17	
40 05 19 00-0714	EA		10" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,252.54	450.16
			For Class 52 Rating, Deduct	-392.75	
			For Class 54 Rating, Add	543.76	
			For Class 55 Rating, Add	812.59	
			For Class 56 Rating, Add	1,077.85	
40 05 19 00-0715			12" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0716	EA		12" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,353.99	420.15
			For Class 52 Rating, Deduct	-78.91	
			For Class 54 Rating, Add	115.25	
			For Class 55 Rating, Add	175.26	
			For Class 56 Rating, Add	234.55	
40 05 19 00-0717	EA		12" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,458.86	423.15
			For Class 52 Rating, Deduct	-89.95	
			For Class 54 Rating, Add	130.35	
			For Class 55 Rating, Add	197.74	
			For Class 56 Rating, Add	264.31	
40 05 19 00-0718	EA		12" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,563.73	426.15
			For Class 52 Rating, Deduct	-100.99	
			For Class 54 Rating, Add	145.46	
			For Class 55 Rating, Add	220.22	
			For Class 56 Rating, Add	294.07	
40 05 19 00-0719	EA		12" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,668.60	429.15
			For Class 52 Rating, Deduct	-112.02	
			For Class 54 Rating, Add	160.56	
			For Class 55 Rating, Add	242.70	
			For Class 56 Rating, Add	323.83	
40 05 19 00-0720	EA		12" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,773.48	432.16
			For Class 52 Rating, Deduct	-123.06	
			For Class 54 Rating, Add	175.66	
			For Class 55 Rating, Add	265.18	
			For Class 56 Rating, Add	353.59	
40 05 19 00-0721	EA		12" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,878.35	435.16
			For Class 52 Rating, Deduct	-134.09	
			For Class 54 Rating, Add	190.76	
			For Class 55 Rating, Add	287.67	
			For Class 56 Rating, Add	383.35	
40 05 19 00-0722	EA		12" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,983.22	438.16
			For Class 52 Rating, Deduct	-145.13	
			For Class 54 Rating, Add	205.87	
			For Class 55 Rating, Add	310.15	
			For Class 56 Rating, Add	413.11	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0723	EA		12" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,088.09	441.16
			For Class 52 Rating, Deduct	-156.16	
			For Class 54 Rating, Add	220.97	
			For Class 55 Rating, Add	332.63	
			For Class 56 Rating, Add	442.87	
40 05 19 00-0724	EA		12" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,192.96	444.16
			For Class 52 Rating, Deduct	-167.20	
			For Class 54 Rating, Add	236.08	
			For Class 55 Rating, Add	355.11	
			For Class 56 Rating, Add	472.63	
40 05 19 00-0725	EA		12" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,297.84	447.16
			For Class 52 Rating, Deduct	-178.24	
			For Class 54 Rating, Add	251.18	
			For Class 55 Rating, Add	377.59	
			For Class 56 Rating, Add	502.39	
40 05 19 00-0726	EA		12" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,402.71	450.16
			For Class 52 Rating, Deduct	-189.27	
			For Class 54 Rating, Add	266.28	
			For Class 55 Rating, Add	400.07	
			For Class 56 Rating, Add	532.15	
40 05 19 00-0727	EA		12" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,507.58	453.16
			For Class 52 Rating, Deduct	-200.31	
			For Class 54 Rating, Add	281.38	
			For Class 55 Rating, Add	422.55	
			For Class 56 Rating, Add	561.90	
40 05 19 00-0728	EA		12" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,612.46	456.17
			For Class 52 Rating, Deduct	-211.34	
			For Class 54 Rating, Add	296.49	
			For Class 55 Rating, Add	445.04	
			For Class 56 Rating, Add	591.67	
40 05 19 00-0729	EA		12" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,717.32	459.17
			For Class 52 Rating, Deduct	-222.38	
			For Class 54 Rating, Add	311.59	
			For Class 55 Rating, Add	467.52	
			For Class 56 Rating, Add	621.42	
40 05 19 00-0730	EA		12" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,822.20	462.17
			For Class 52 Rating, Deduct	-233.41	
			For Class 54 Rating, Add	326.70	
			For Class 55 Rating, Add	490.00	
			For Class 56 Rating, Add	651.18	
40 05 19 00-0731	EA		12" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,927.08	465.17
			For Class 52 Rating, Deduct	-244.45	
			For Class 54 Rating, Add	341.80	
			For Class 55 Rating, Add	512.48	
			For Class 56 Rating, Add	680.95	
40 05 19 00-0732	EA		12" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,031.95	468.17
			For Class 52 Rating, Deduct	-255.49	
			For Class 54 Rating, Add	356.90	
			For Class 55 Rating, Add	534.96	
			For Class 56 Rating, Add	710.70	
40 05 19 00-0733	EA		12" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,136.82	471.17
			For Class 52 Rating, Deduct	-266.52	
			For Class 54 Rating, Add	372.01	
			For Class 55 Rating, Add	557.45	
			For Class 56 Rating, Add	740.46	
40 05 19 00-0734	EA		12" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,241.69	474.17
			For Class 52 Rating, Deduct	-277.56	
			For Class 54 Rating, Add	387.11	
			For Class 55 Rating, Add	579.93	
			For Class 56 Rating, Add	770.22	
40 05 19 00-0735	EA		12" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,346.56	477.17
			For Class 52 Rating, Deduct	-288.59	
			For Class 54 Rating, Add	402.21	
			For Class 55 Rating, Add	602.41	
			For Class 56 Rating, Add	799.98	
40 05 19 00-0736	EA		12" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,451.44	480.18
			For Class 52 Rating, Deduct	-299.63	
			For Class 54 Rating, Add	417.32	
			For Class 55 Rating, Add	624.89	
			For Class 56 Rating, Add	829.74	
40 05 19 00-0737	EA		12" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,556.31	483.18
			For Class 52 Rating, Deduct	-310.67	
			For Class 54 Rating, Add	432.42	
			For Class 55 Rating, Add	647.37	
			For Class 56 Rating, Add	859.50	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0738	EA		12" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,661.18	486.18
			For Class 52 Rating, Deduct	-321.70	
			For Class 54 Rating, Add	447.52	
			For Class 55 Rating, Add	669.85	
			For Class 56 Rating, Add	889.26	
40 05 19 00-0739	EA		12" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,766.05	489.18
			For Class 52 Rating, Deduct	-332.74	
			For Class 54 Rating, Add	462.63	
			For Class 55 Rating, Add	692.34	
			For Class 56 Rating, Add	919.02	
40 05 19 00-0740	EA		12" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,870.92	492.18
			For Class 52 Rating, Deduct	-343.77	
			For Class 54 Rating, Add	477.73	
			For Class 55 Rating, Add	714.82	
			For Class 56 Rating, Add	948.78	
40 05 19 00-0741	EA		12" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,975.79	495.18
			For Class 52 Rating, Deduct	-354.81	
			For Class 54 Rating, Add	492.83	
			For Class 55 Rating, Add	737.30	
			For Class 56 Rating, Add	978.54	
40 05 19 00-0742	EA		12" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,080.67	498.18
			For Class 52 Rating, Deduct	-365.84	
			For Class 54 Rating, Add	507.94	
			For Class 55 Rating, Add	759.78	
			For Class 56 Rating, Add	1,008.30	
40 05 19 00-0743	EA		12" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,185.54	501.18
			For Class 52 Rating, Deduct	-376.88	
			For Class 54 Rating, Add	523.04	
			For Class 55 Rating, Add	782.26	
			For Class 56 Rating, Add	1,038.06	
40 05 19 00-0744	EA		12" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,290.42	504.18
			For Class 52 Rating, Deduct	-387.92	
			For Class 54 Rating, Add	538.14	
			For Class 55 Rating, Add	804.75	
			For Class 56 Rating, Add	1,067.82	
40 05 19 00-0745	EA		12" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,395.28	507.19
			For Class 52 Rating, Deduct	-398.95	
			For Class 54 Rating, Add	553.25	
			For Class 55 Rating, Add	827.23	
			For Class 56 Rating, Add	1,097.58	
40 05 19 00-0746	EA		12" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,500.16	510.19
			For Class 52 Rating, Deduct	-409.99	
			For Class 54 Rating, Add	568.35	
			For Class 55 Rating, Add	849.71	
			For Class 56 Rating, Add	1,127.34	
40 05 19 00-0747	EA		12" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,605.03	513.18
			For Class 52 Rating, Deduct	-421.02	
			For Class 54 Rating, Add	583.45	
			For Class 55 Rating, Add	872.19	
			For Class 56 Rating, Add	1,157.10	
40 05 19 00-0748	EA		12" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,709.91	516.18
			For Class 52 Rating, Deduct	-432.06	
			For Class 54 Rating, Add	598.56	
			For Class 55 Rating, Add	894.67	
			For Class 56 Rating, Add	1,186.86	
40 05 19 00-0749	EA		12" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,814.78	519.18
			For Class 52 Rating, Deduct	-443.09	
			For Class 54 Rating, Add	613.66	
			For Class 55 Rating, Add	917.15	
			For Class 56 Rating, Add	1,216.62	
40 05 19 00-0750	EA		12" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,919.65	522.18
			For Class 52 Rating, Deduct	-454.13	
			For Class 54 Rating, Add	628.76	
			For Class 55 Rating, Add	939.64	
			For Class 56 Rating, Add	1,246.38	
40 05 19 00-0751	EA		12" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,024.52	525.18
			For Class 52 Rating, Deduct	-465.17	
			For Class 54 Rating, Add	643.87	
			For Class 55 Rating, Add	962.12	
			For Class 56 Rating, Add	1,276.14	
40 05 19 00-0752	EA		12" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,129.40	528.18
			For Class 52 Rating, Deduct	-476.20	
			For Class 54 Rating, Add	658.97	
			For Class 55 Rating, Add	984.60	
			For Class 56 Rating, Add	1,305.90	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0753	EA		12" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,234.27	531.19
			For Class 52 Rating, Deduct	-487.24	
			For Class 54 Rating, Add	674.07	
			For Class 55 Rating, Add	1,007.08	
			For Class 56 Rating, Add	1,335.66	
40 05 19 00-0754	EA		12" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,339.14	534.19
			For Class 52 Rating, Deduct	-498.27	
			For Class 54 Rating, Add	689.18	
			For Class 55 Rating, Add	1,029.56	
			For Class 56 Rating, Add	1,365.42	
<b>40 05 19 00-0755</b>			<b>14" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-0554)</small>		
40 05 19 00-0756	EA		14" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,835.88	504.18
			For Class 52 Rating, Deduct	-117.92	
			For Class 54 Rating, Add	169.96	
			For Class 55 Rating, Add	257.38	
			For Class 56 Rating, Add	343.73	
40 05 19 00-0757	EA		14" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,962.73	507.19
			For Class 52 Rating, Deduct	-131.37	
			For Class 54 Rating, Add	188.36	
			For Class 55 Rating, Add	284.77	
			For Class 56 Rating, Add	379.98	
40 05 19 00-0758	EA		14" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,089.60	510.19
			For Class 52 Rating, Deduct	-144.83	
			For Class 54 Rating, Add	206.77	
			For Class 55 Rating, Add	312.15	
			For Class 56 Rating, Add	416.23	
40 05 19 00-0759	EA		14" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,216.46	513.18
			For Class 52 Rating, Deduct	-158.28	
			For Class 54 Rating, Add	225.17	
			For Class 55 Rating, Add	339.54	
			For Class 56 Rating, Add	452.47	
40 05 19 00-0760	EA		14" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,343.33	516.18
			For Class 52 Rating, Deduct	-171.74	
			For Class 54 Rating, Add	243.57	
			For Class 55 Rating, Add	366.92	
			For Class 56 Rating, Add	488.72	
40 05 19 00-0761	EA		14" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,470.19	519.18
			For Class 52 Rating, Deduct	-185.19	
			For Class 54 Rating, Add	261.97	
			For Class 55 Rating, Add	394.31	
			For Class 56 Rating, Add	524.96	
40 05 19 00-0762	EA		14" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,597.05	522.18
			For Class 52 Rating, Deduct	-198.64	
			For Class 54 Rating, Add	280.37	
			For Class 55 Rating, Add	421.70	
			For Class 56 Rating, Add	561.21	
40 05 19 00-0763	EA		14" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,723.91	525.18
			For Class 52 Rating, Deduct	-212.10	
			For Class 54 Rating, Add	298.77	
			For Class 55 Rating, Add	449.08	
			For Class 56 Rating, Add	597.46	
40 05 19 00-0764	EA		14" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,850.78	528.18
			For Class 52 Rating, Deduct	-225.55	
			For Class 54 Rating, Add	317.18	
			For Class 55 Rating, Add	476.47	
			For Class 56 Rating, Add	633.70	
40 05 19 00-0765	EA		14" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,977.64	531.19
			For Class 52 Rating, Deduct	-239.01	
			For Class 54 Rating, Add	335.58	
			For Class 55 Rating, Add	503.85	
			For Class 56 Rating, Add	669.95	
40 05 19 00-0766	EA		14" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,104.49	534.19
			For Class 52 Rating, Deduct	-252.46	
			For Class 54 Rating, Add	353.98	
			For Class 55 Rating, Add	531.23	
			For Class 56 Rating, Add	706.20	
40 05 19 00-0767	EA		14" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,231.36	537.19
			For Class 52 Rating, Deduct	-265.92	
			For Class 54 Rating, Add	372.38	
			For Class 55 Rating, Add	558.62	
			For Class 56 Rating, Add	742.44	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0768	EA		14" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,358.21	540.19
			<i>For Class 52 Rating, Deduct</i>	-279.37	
			<i>For Class 54 Rating, Add</i>	390.78	
			<i>For Class 55 Rating, Add</i>	586.01	
			<i>For Class 56 Rating, Add</i>	778.69	
40 05 19 00-0769	EA		14" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,485.08	543.19
			<i>For Class 52 Rating, Deduct</i>	-292.83	
			<i>For Class 54 Rating, Add</i>	409.19	
			<i>For Class 55 Rating, Add</i>	613.39	
			<i>For Class 56 Rating, Add</i>	814.94	
40 05 19 00-0770	EA		14" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,611.94	546.19
			<i>For Class 52 Rating, Deduct</i>	-306.28	
			<i>For Class 54 Rating, Add</i>	427.59	
			<i>For Class 55 Rating, Add</i>	640.78	
			<i>For Class 56 Rating, Add</i>	851.18	
40 05 19 00-0771	EA		14" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,738.81	549.19
			<i>For Class 52 Rating, Deduct</i>	-319.74	
			<i>For Class 54 Rating, Add</i>	445.99	
			<i>For Class 55 Rating, Add</i>	668.16	
			<i>For Class 56 Rating, Add</i>	887.43	
40 05 19 00-0772	EA		14" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,865.66	552.19
			<i>For Class 52 Rating, Deduct</i>	-333.19	
			<i>For Class 54 Rating, Add</i>	464.39	
			<i>For Class 55 Rating, Add</i>	695.55	
			<i>For Class 56 Rating, Add</i>	923.67	
40 05 19 00-0773	EA		14" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,992.53	555.20
			<i>For Class 52 Rating, Deduct</i>	-346.65	
			<i>For Class 54 Rating, Add</i>	482.79	
			<i>For Class 55 Rating, Add</i>	722.93	
			<i>For Class 56 Rating, Add</i>	959.92	
40 05 19 00-0774	EA		14" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,119.38	558.20
			<i>For Class 52 Rating, Deduct</i>	-360.10	
			<i>For Class 54 Rating, Add</i>	501.19	
			<i>For Class 55 Rating, Add</i>	750.32	
			<i>For Class 56 Rating, Add</i>	996.17	
40 05 19 00-0775	EA		14" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,246.25	561.20
			<i>For Class 52 Rating, Deduct</i>	-373.55	
			<i>For Class 54 Rating, Add</i>	519.59	
			<i>For Class 55 Rating, Add</i>	777.70	
			<i>For Class 56 Rating, Add</i>	1,032.41	
40 05 19 00-0776	EA		14" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,373.11	564.20
			<i>For Class 52 Rating, Deduct</i>	-387.01	
			<i>For Class 54 Rating, Add</i>	538.00	
			<i>For Class 55 Rating, Add</i>	805.09	
			<i>For Class 56 Rating, Add</i>	1,068.66	
40 05 19 00-0777	EA		14" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,499.97	567.20
			<i>For Class 52 Rating, Deduct</i>	-400.46	
			<i>For Class 54 Rating, Add</i>	556.40	
			<i>For Class 55 Rating, Add</i>	832.47	
			<i>For Class 56 Rating, Add</i>	1,104.91	
40 05 19 00-0778	EA		14" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,626.83	570.20
			<i>For Class 52 Rating, Deduct</i>	-413.92	
			<i>For Class 54 Rating, Add</i>	574.80	
			<i>For Class 55 Rating, Add</i>	859.86	
			<i>For Class 56 Rating, Add</i>	1,141.15	
40 05 19 00-0779	EA		14" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,753.69	573.20
			<i>For Class 52 Rating, Deduct</i>	-427.37	
			<i>For Class 54 Rating, Add</i>	593.20	
			<i>For Class 55 Rating, Add</i>	887.24	
			<i>For Class 56 Rating, Add</i>	1,177.40	
40 05 19 00-0780	EA		14" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,880.55	576.20
			<i>For Class 52 Rating, Deduct</i>	-440.83	
			<i>For Class 54 Rating, Add</i>	611.60	
			<i>For Class 55 Rating, Add</i>	914.63	
			<i>For Class 56 Rating, Add</i>	1,213.65	
40 05 19 00-0781	EA		14" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,007.42	579.21
			<i>For Class 52 Rating, Deduct</i>	-454.28	
			<i>For Class 54 Rating, Add</i>	630.01	
			<i>For Class 55 Rating, Add</i>	942.01	
			<i>For Class 56 Rating, Add</i>	1,249.89	
40 05 19 00-0782	EA		14" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,134.29	582.21
			<i>For Class 52 Rating, Deduct</i>	-467.74	
			<i>For Class 54 Rating, Add</i>	648.41	
			<i>For Class 55 Rating, Add</i>	969.40	
			<i>For Class 56 Rating, Add</i>	1,286.14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0783 EA 14" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,261.14	585.21
For Class 52 Rating, Deduct	-481.19	
For Class 54 Rating, Add	666.81	
For Class 55 Rating, Add	996.78	
For Class 56 Rating, Add	1,322.39	
40 05 19 00-0784 EA 14" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,388.01	588.21
For Class 52 Rating, Deduct	-494.65	
For Class 54 Rating, Add	685.21	
For Class 55 Rating, Add	1,024.17	
For Class 56 Rating, Add	1,358.63	
40 05 19 00-0785 EA 14" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,514.86	591.21
For Class 52 Rating, Deduct	-508.10	
For Class 54 Rating, Add	703.61	
For Class 55 Rating, Add	1,051.56	
For Class 56 Rating, Add	1,394.88	
40 05 19 00-0786 EA 14" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,641.73	594.21
For Class 52 Rating, Deduct	-521.55	
For Class 54 Rating, Add	722.01	
For Class 55 Rating, Add	1,078.94	
For Class 56 Rating, Add	1,431.12	
40 05 19 00-0787 EA 14" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,768.59	597.21
For Class 52 Rating, Deduct	-535.01	
For Class 54 Rating, Add	740.42	
For Class 55 Rating, Add	1,106.33	
For Class 56 Rating, Add	1,467.37	
40 05 19 00-0788 EA 14" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,895.45	600.21
For Class 52 Rating, Deduct	-548.46	
For Class 54 Rating, Add	758.82	
For Class 55 Rating, Add	1,133.71	
For Class 56 Rating, Add	1,503.62	
40 05 19 00-0789 EA 14" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,022.31	603.22
For Class 52 Rating, Deduct	-561.92	
For Class 54 Rating, Add	777.22	
For Class 55 Rating, Add	1,161.10	
For Class 56 Rating, Add	1,539.87	
40 05 19 00-0790 EA 14" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,149.17	606.22
For Class 52 Rating, Deduct	-575.37	
For Class 54 Rating, Add	795.62	
For Class 55 Rating, Add	1,188.48	
For Class 56 Rating, Add	1,576.11	
40 05 19 00-0791 EA 14" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,276.04	609.22
For Class 52 Rating, Deduct	-588.83	
For Class 54 Rating, Add	814.02	
For Class 55 Rating, Add	1,215.87	
For Class 56 Rating, Add	1,612.36	
40 05 19 00-0792 EA 14" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,402.90	612.22
For Class 52 Rating, Deduct	-602.28	
For Class 54 Rating, Add	832.42	
For Class 55 Rating, Add	1,243.25	
For Class 56 Rating, Add	1,648.60	
40 05 19 00-0793 EA 14" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,529.76	615.22
For Class 52 Rating, Deduct	-615.74	
For Class 54 Rating, Add	850.83	
For Class 55 Rating, Add	1,270.64	
For Class 56 Rating, Add	1,684.85	
<b>40 05 19 00-0794 16" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0554)</b>		
40 05 19 00-0795 EA 16" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,141.53	576.20
For Class 52 Rating, Deduct	-139.54	
For Class 54 Rating, Add	200.75	
For Class 55 Rating, Add	303.83	
For Class 56 Rating, Add	405.64	
40 05 19 00-0796 EA 16" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,289.02	579.21
For Class 52 Rating, Deduct	-155.26	
For Class 54 Rating, Add	222.25	
For Class 55 Rating, Add	335.81	
For Class 56 Rating, Add	447.97	
40 05 19 00-0797 EA 16" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,436.50	582.21
For Class 52 Rating, Deduct	-170.98	
For Class 54 Rating, Add	243.74	
For Class 55 Rating, Add	367.79	
For Class 56 Rating, Add	490.29	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0798	EA		16" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,583.97	585.21
			For Class 52 Rating, Deduct	-186.70	
			For Class 54 Rating, Add	265.23	
			For Class 55 Rating, Add	399.78	
			For Class 56 Rating, Add	532.62	
40 05 19 00-0799	EA		16" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,731.44	588.21
			For Class 52 Rating, Deduct	-202.42	
			For Class 54 Rating, Add	286.73	
			For Class 55 Rating, Add	431.76	
			For Class 56 Rating, Add	574.95	
40 05 19 00-0800	EA		16" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,878.91	591.21
			For Class 52 Rating, Deduct	-218.15	
			For Class 54 Rating, Add	308.22	
			For Class 55 Rating, Add	463.74	
			For Class 56 Rating, Add	617.27	
40 05 19 00-0801	EA		16" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,026.40	594.21
			For Class 52 Rating, Deduct	-233.87	
			For Class 54 Rating, Add	329.71	
			For Class 55 Rating, Add	495.72	
			For Class 56 Rating, Add	659.60	
40 05 19 00-0802	EA		16" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,173.87	597.21
			For Class 52 Rating, Deduct	-249.59	
			For Class 54 Rating, Add	351.21	
			For Class 55 Rating, Add	527.70	
			For Class 56 Rating, Add	701.93	
40 05 19 00-0803	EA		16" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,321.35	600.21
			For Class 52 Rating, Deduct	-265.31	
			For Class 54 Rating, Add	372.70	
			For Class 55 Rating, Add	559.69	
			For Class 56 Rating, Add	744.26	
40 05 19 00-0804	EA		16" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,455.08	603.22
			For Class 52 Rating, Deduct	-279.52	
			For Class 54 Rating, Add	392.14	
			For Class 55 Rating, Add	588.60	
			For Class 56 Rating, Add	782.53	
40 05 19 00-0805	EA		16" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,616.30	606.22
			For Class 52 Rating, Deduct	-296.76	
			For Class 54 Rating, Add	415.69	
			For Class 55 Rating, Add	623.65	
			For Class 56 Rating, Add	828.91	
40 05 19 00-0806	EA		16" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,763.78	609.22
			For Class 52 Rating, Deduct	-312.48	
			For Class 54 Rating, Add	437.18	
			For Class 55 Rating, Add	655.63	
			For Class 56 Rating, Add	871.24	
40 05 19 00-0807	EA		16" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,911.26	612.22
			For Class 52 Rating, Deduct	-328.20	
			For Class 54 Rating, Add	458.68	
			For Class 55 Rating, Add	687.62	
			For Class 56 Rating, Add	913.57	
40 05 19 00-0808	EA		16" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,058.73	615.22
			For Class 52 Rating, Deduct	-343.92	
			For Class 54 Rating, Add	480.17	
			For Class 55 Rating, Add	719.60	
			For Class 56 Rating, Add	955.90	
40 05 19 00-0809	EA		16" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,206.21	618.22
			For Class 52 Rating, Deduct	-359.65	
			For Class 54 Rating, Add	501.67	
			For Class 55 Rating, Add	751.58	
			For Class 56 Rating, Add	998.23	
40 05 19 00-0810	EA		16" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,353.68	621.22
			For Class 52 Rating, Deduct	-375.37	
			For Class 54 Rating, Add	523.16	
			For Class 55 Rating, Add	783.56	
			For Class 56 Rating, Add	1,040.55	
40 05 19 00-0811	EA		16" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,501.16	624.22
			For Class 52 Rating, Deduct	-391.09	
			For Class 54 Rating, Add	544.65	
			For Class 55 Rating, Add	815.55	
			For Class 56 Rating, Add	1,082.88	
40 05 19 00-0812	EA		16" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,648.64	627.22
			For Class 52 Rating, Deduct	-406.81	
			For Class 54 Rating, Add	566.15	
			For Class 55 Rating, Add	847.53	
			For Class 56 Rating, Add	1,125.21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0813	EA		16" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe .....	4,796.11	630.23
			For Class 52 Rating, Deduct .....	-422.53	
			For Class 54 Rating, Add .....	587.64	
			For Class 55 Rating, Add .....	879.51	
			For Class 56 Rating, Add .....	1,167.54	
40 05 19 00-0814	EA		16" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe .....	4,943.58	633.23
			For Class 52 Rating, Deduct .....	-438.26	
			For Class 54 Rating, Add .....	609.14	
			For Class 55 Rating, Add .....	911.49	
			For Class 56 Rating, Add .....	1,209.86	
40 05 19 00-0815	EA		16" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe .....	5,091.06	636.23
			For Class 52 Rating, Deduct .....	-453.98	
			For Class 54 Rating, Add .....	630.63	
			For Class 55 Rating, Add .....	943.47	
			For Class 56 Rating, Add .....	1,252.19	
40 05 19 00-0816	EA		16" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe .....	5,238.53	639.23
			For Class 52 Rating, Deduct .....	-469.70	
			For Class 54 Rating, Add .....	652.12	
			For Class 55 Rating, Add .....	975.46	
			For Class 56 Rating, Add .....	1,294.52	
40 05 19 00-0817	EA		16" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe .....	5,386.02	642.23
			For Class 52 Rating, Deduct .....	-485.42	
			For Class 54 Rating, Add .....	673.62	
			For Class 55 Rating, Add .....	1,007.44	
			For Class 56 Rating, Add .....	1,336.85	
40 05 19 00-0818	EA		16" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe .....	5,533.49	645.23
			For Class 52 Rating, Deduct .....	-501.15	
			For Class 54 Rating, Add .....	695.11	
			For Class 55 Rating, Add .....	1,039.42	
			For Class 56 Rating, Add .....	1,379.18	
40 05 19 00-0819	EA		16" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe .....	5,680.97	648.23
			For Class 52 Rating, Deduct .....	-516.87	
			For Class 54 Rating, Add .....	716.61	
			For Class 55 Rating, Add .....	1,071.40	
			For Class 56 Rating, Add .....	1,421.50	
40 05 19 00-0820	EA		16" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe .....	5,828.45	651.23
			For Class 52 Rating, Deduct .....	-532.59	
			For Class 54 Rating, Add .....	738.10	
			For Class 55 Rating, Add .....	1,103.39	
			For Class 56 Rating, Add .....	1,463.83	
40 05 19 00-0821	EA		16" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe .....	5,975.92	654.24
			For Class 52 Rating, Deduct .....	-548.31	
			For Class 54 Rating, Add .....	759.59	
			For Class 55 Rating, Add .....	1,135.37	
			For Class 56 Rating, Add .....	1,506.16	
40 05 19 00-0822	EA		16" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe .....	6,123.40	657.24
			For Class 52 Rating, Deduct .....	-564.03	
			For Class 54 Rating, Add .....	781.09	
			For Class 55 Rating, Add .....	1,167.35	
			For Class 56 Rating, Add .....	1,548.49	
40 05 19 00-0823	EA		16" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe .....	6,270.88	660.24
			For Class 52 Rating, Deduct .....	-579.76	
			For Class 54 Rating, Add .....	802.58	
			For Class 55 Rating, Add .....	1,199.33	
			For Class 56 Rating, Add .....	1,590.82	
40 05 19 00-0824	EA		16" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe .....	6,418.36	663.24
			For Class 52 Rating, Deduct .....	-595.48	
			For Class 54 Rating, Add .....	824.08	
			For Class 55 Rating, Add .....	1,231.32	
			For Class 56 Rating, Add .....	1,633.14	
40 05 19 00-0825	EA		16" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe .....	6,565.83	666.24
			For Class 52 Rating, Deduct .....	-611.20	
			For Class 54 Rating, Add .....	845.57	
			For Class 55 Rating, Add .....	1,263.30	
			For Class 56 Rating, Add .....	1,675.47	
40 05 19 00-0826	EA		16" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe .....	6,713.30	669.24
			For Class 52 Rating, Deduct .....	-626.92	
			For Class 54 Rating, Add .....	867.06	
			For Class 55 Rating, Add .....	1,295.28	
			For Class 56 Rating, Add .....	1,717.80	
40 05 19 00-0827	EA		16" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe .....	6,860.77	672.24
			For Class 52 Rating, Deduct .....	-642.65	
			For Class 54 Rating, Add .....	888.56	
			For Class 55 Rating, Add .....	1,327.26	
			For Class 56 Rating, Add .....	1,760.13	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

40 05 19 00-0828	EA	16" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,008.26	675.24
		<i>For Class 52 Rating, Deduct</i>	-658.37	
		<i>For Class 54 Rating, Add</i>	910.05	
		<i>For Class 55 Rating, Add</i>	1,359.25	
		<i>For Class 56 Rating, Add</i>	1,802.45	
40 05 19 00-0829	EA	16" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,155.73	678.25
		<i>For Class 52 Rating, Deduct</i>	-674.09	
		<i>For Class 54 Rating, Add</i>	931.55	
		<i>For Class 55 Rating, Add</i>	1,391.23	
		<i>For Class 56 Rating, Add</i>	1,844.78	
40 05 19 00-0830	EA	16" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,303.21	681.25
		<i>For Class 52 Rating, Deduct</i>	-689.81	
		<i>For Class 54 Rating, Add</i>	953.04	
		<i>For Class 55 Rating, Add</i>	1,423.21	
		<i>For Class 56 Rating, Add</i>	1,887.11	
40 05 19 00-0831	EA	16" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,450.68	684.25
		<i>For Class 52 Rating, Deduct</i>	-705.53	
		<i>For Class 54 Rating, Add</i>	974.53	
		<i>For Class 55 Rating, Add</i>	1,455.19	
		<i>For Class 56 Rating, Add</i>	1,929.44	
40 05 19 00-0832	EA	16" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,598.16	687.25
		<i>For Class 52 Rating, Deduct</i>	-721.26	
		<i>For Class 54 Rating, Add</i>	996.03	
		<i>For Class 55 Rating, Add</i>	1,487.17	
		<i>For Class 56 Rating, Add</i>	1,971.77	
<b>40 05 19 00-0833</b>		<b>18" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-0554)</small>		
40 05 19 00-0834	EA	18" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,488.87	649.44
		<i>For Class 52 Rating, Deduct</i>	-165.54	
		<i>For Class 54 Rating, Add</i>	237.54	
		<i>For Class 55 Rating, Add</i>	359.20	
		<i>For Class 56 Rating, Add</i>	479.36	
40 05 19 00-0835	EA	18" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,658.33	652.44
		<i>For Class 52 Rating, Deduct</i>	-183.68	
		<i>For Class 54 Rating, Add</i>	262.33	
		<i>For Class 55 Rating, Add</i>	396.09	
		<i>For Class 56 Rating, Add</i>	528.18	
40 05 19 00-0836	EA	18" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,827.80	655.44
		<i>For Class 52 Rating, Deduct</i>	-201.82	
		<i>For Class 54 Rating, Add</i>	287.12	
		<i>For Class 55 Rating, Add</i>	432.98	
		<i>For Class 56 Rating, Add</i>	576.99	
40 05 19 00-0837	EA	18" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,997.27	658.44
		<i>For Class 52 Rating, Deduct</i>	-219.96	
		<i>For Class 54 Rating, Add</i>	311.92	
		<i>For Class 55 Rating, Add</i>	469.86	
		<i>For Class 56 Rating, Add</i>	625.81	
40 05 19 00-0838	EA	18" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,166.73	661.44
		<i>For Class 52 Rating, Deduct</i>	-238.10	
		<i>For Class 54 Rating, Add</i>	336.71	
		<i>For Class 55 Rating, Add</i>	506.75	
		<i>For Class 56 Rating, Add</i>	674.62	
40 05 19 00-0839	EA	18" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,336.19	664.44
		<i>For Class 52 Rating, Deduct</i>	-256.24	
		<i>For Class 54 Rating, Add</i>	361.50	
		<i>For Class 55 Rating, Add</i>	543.63	
		<i>For Class 56 Rating, Add</i>	723.44	
40 05 19 00-0840	EA	18" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,505.66	667.44
		<i>For Class 52 Rating, Deduct</i>	-274.38	
		<i>For Class 54 Rating, Add</i>	386.29	
		<i>For Class 55 Rating, Add</i>	580.52	
		<i>For Class 56 Rating, Add</i>	772.25	
40 05 19 00-0841	EA	18" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,675.12	670.45
		<i>For Class 52 Rating, Deduct</i>	-292.52	
		<i>For Class 54 Rating, Add</i>	411.09	
		<i>For Class 55 Rating, Add</i>	617.41	
		<i>For Class 56 Rating, Add</i>	821.07	
40 05 19 00-0842	EA	18" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,844.59	673.45
		<i>For Class 52 Rating, Deduct</i>	-310.67	
		<i>For Class 54 Rating, Add</i>	435.88	
		<i>For Class 55 Rating, Add</i>	654.29	
		<i>For Class 56 Rating, Add</i>	869.88	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0843	EA		18" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,014.07	676.45
			For Class 52 Rating, Deduct	-328.81	
			For Class 54 Rating, Add	460.67	
			For Class 55 Rating, Add	691.18	
			For Class 56 Rating, Add	918.70	
40 05 19 00-0844	EA		18" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,183.52	679.45
			For Class 52 Rating, Deduct	-346.95	
			For Class 54 Rating, Add	485.46	
			For Class 55 Rating, Add	728.06	
			For Class 56 Rating, Add	967.51	
40 05 19 00-0845	EA		18" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,352.99	682.45
			For Class 52 Rating, Deduct	-365.09	
			For Class 54 Rating, Add	510.26	
			For Class 55 Rating, Add	764.95	
			For Class 56 Rating, Add	1,016.32	
40 05 19 00-0846	EA		18" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,522.45	685.45
			For Class 52 Rating, Deduct	-383.23	
			For Class 54 Rating, Add	535.05	
			For Class 55 Rating, Add	801.83	
			For Class 56 Rating, Add	1,065.14	
40 05 19 00-0847	EA		18" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,691.92	688.45
			For Class 52 Rating, Deduct	-401.37	
			For Class 54 Rating, Add	559.84	
			For Class 55 Rating, Add	838.72	
			For Class 56 Rating, Add	1,113.95	
40 05 19 00-0848	EA		18" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,861.39	691.45
			For Class 52 Rating, Deduct	-419.51	
			For Class 54 Rating, Add	584.63	
			For Class 55 Rating, Add	875.61	
			For Class 56 Rating, Add	1,162.77	
40 05 19 00-0849	EA		18" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,030.86	694.45
			For Class 52 Rating, Deduct	-437.65	
			For Class 54 Rating, Add	609.43	
			For Class 55 Rating, Add	912.49	
			For Class 56 Rating, Add	1,211.58	
40 05 19 00-0850	EA		18" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,200.31	697.46
			For Class 52 Rating, Deduct	-455.79	
			For Class 54 Rating, Add	634.22	
			For Class 55 Rating, Add	949.38	
			For Class 56 Rating, Add	1,260.40	
40 05 19 00-0851	EA		18" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,369.78	700.46
			For Class 52 Rating, Deduct	-473.93	
			For Class 54 Rating, Add	659.01	
			For Class 55 Rating, Add	986.26	
			For Class 56 Rating, Add	1,309.21	
40 05 19 00-0852	EA		18" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,539.24	703.46
			For Class 52 Rating, Deduct	-492.08	
			For Class 54 Rating, Add	683.80	
			For Class 55 Rating, Add	1,023.15	
			For Class 56 Rating, Add	1,358.03	
40 05 19 00-0853	EA		18" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,708.72	706.46
			For Class 52 Rating, Deduct	-510.22	
			For Class 54 Rating, Add	708.59	
			For Class 55 Rating, Add	1,060.04	
			For Class 56 Rating, Add	1,406.84	
40 05 19 00-0854	EA		18" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,878.18	709.46
			For Class 52 Rating, Deduct	-528.36	
			For Class 54 Rating, Add	733.39	
			For Class 55 Rating, Add	1,096.92	
			For Class 56 Rating, Add	1,455.66	
40 05 19 00-0855	EA		18" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,047.65	712.46
			For Class 52 Rating, Deduct	-546.50	
			For Class 54 Rating, Add	758.18	
			For Class 55 Rating, Add	1,133.81	
			For Class 56 Rating, Add	1,504.47	
40 05 19 00-0856	EA		18" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,217.11	715.46
			For Class 52 Rating, Deduct	-564.64	
			For Class 54 Rating, Add	782.97	
			For Class 55 Rating, Add	1,170.70	
			For Class 56 Rating, Add	1,553.29	
40 05 19 00-0857	EA		18" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,386.57	718.46
			For Class 52 Rating, Deduct	-582.78	
			For Class 54 Rating, Add	807.76	
			For Class 55 Rating, Add	1,207.58	
			For Class 56 Rating, Add	1,602.10	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

40 05 19 00-0858	EA	18" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,556.03	721.47
		<i>For Class 52 Rating, Deduct</i>	-600.92	
		<i>For Class 54 Rating, Add</i>	832.56	
		<i>For Class 55 Rating, Add</i>	1,244.47	
		<i>For Class 56 Rating, Add</i>	1,650.91	
40 05 19 00-0859	EA	18" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,725.51	724.47
		<i>For Class 52 Rating, Deduct</i>	-619.06	
		<i>For Class 54 Rating, Add</i>	857.35	
		<i>For Class 55 Rating, Add</i>	1,281.35	
		<i>For Class 56 Rating, Add</i>	1,699.73	
40 05 19 00-0860	EA	18" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,894.97	727.47
		<i>For Class 52 Rating, Deduct</i>	-637.20	
		<i>For Class 54 Rating, Add</i>	882.14	
		<i>For Class 55 Rating, Add</i>	1,318.24	
		<i>For Class 56 Rating, Add</i>	1,748.54	
40 05 19 00-0861	EA	18" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,064.44	730.47
		<i>For Class 52 Rating, Deduct</i>	-655.34	
		<i>For Class 54 Rating, Add</i>	906.93	
		<i>For Class 55 Rating, Add</i>	1,355.12	
		<i>For Class 56 Rating, Add</i>	1,797.36	
40 05 19 00-0862	EA	18" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,233.90	733.47
		<i>For Class 52 Rating, Deduct</i>	-673.49	
		<i>For Class 54 Rating, Add</i>	931.73	
		<i>For Class 55 Rating, Add</i>	1,392.01	
		<i>For Class 56 Rating, Add</i>	1,846.17	
40 05 19 00-0863	EA	18" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,403.36	736.47
		<i>For Class 52 Rating, Deduct</i>	-691.63	
		<i>For Class 54 Rating, Add</i>	956.52	
		<i>For Class 55 Rating, Add</i>	1,428.90	
		<i>For Class 56 Rating, Add</i>	1,894.99	
40 05 19 00-0864	EA	18" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,572.84	739.47
		<i>For Class 52 Rating, Deduct</i>	-709.77	
		<i>For Class 54 Rating, Add</i>	981.31	
		<i>For Class 55 Rating, Add</i>	1,465.78	
		<i>For Class 56 Rating, Add</i>	1,943.80	
40 05 19 00-0865	EA	18" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,742.30	742.47
		<i>For Class 52 Rating, Deduct</i>	-727.91	
		<i>For Class 54 Rating, Add</i>	1,006.10	
		<i>For Class 55 Rating, Add</i>	1,502.67	
		<i>For Class 56 Rating, Add</i>	1,992.62	
40 05 19 00-0866	EA	18" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,911.77	745.48
		<i>For Class 52 Rating, Deduct</i>	-746.05	
		<i>For Class 54 Rating, Add</i>	1,030.89	
		<i>For Class 55 Rating, Add</i>	1,539.55	
		<i>For Class 56 Rating, Add</i>	2,041.43	
40 05 19 00-0867	EA	18" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,081.23	748.48
		<i>For Class 52 Rating, Deduct</i>	-764.19	
		<i>For Class 54 Rating, Add</i>	1,055.69	
		<i>For Class 55 Rating, Add</i>	1,576.44	
		<i>For Class 56 Rating, Add</i>	2,090.25	
40 05 19 00-0868	EA	18" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,250.70	751.48
		<i>For Class 52 Rating, Deduct</i>	-782.33	
		<i>For Class 54 Rating, Add</i>	1,080.48	
		<i>For Class 55 Rating, Add</i>	1,613.33	
		<i>For Class 56 Rating, Add</i>	2,139.06	
40 05 19 00-0869	EA	18" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,420.15	754.48
		<i>For Class 52 Rating, Deduct</i>	-800.47	
		<i>For Class 54 Rating, Add</i>	1,105.27	
		<i>For Class 55 Rating, Add</i>	1,650.21	
		<i>For Class 56 Rating, Add</i>	2,187.87	
40 05 19 00-0870	EA	18" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,589.63	757.48
		<i>For Class 52 Rating, Deduct</i>	-818.61	
		<i>For Class 54 Rating, Add</i>	1,130.06	
		<i>For Class 55 Rating, Add</i>	1,687.10	
		<i>For Class 56 Rating, Add</i>	2,236.69	
40 05 19 00-0871	EA	18" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,759.09	760.47
		<i>For Class 52 Rating, Deduct</i>	-836.75	
		<i>For Class 54 Rating, Add</i>	1,154.86	
		<i>For Class 55 Rating, Add</i>	1,723.98	
		<i>For Class 56 Rating, Add</i>	2,285.50	

 40 05 19 00-0872 20" Flanged End x Grooved End (FxG), Class 53, Cement Lined,  
 Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0554)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0873	EA		20" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,880.89	741.26
			For Class 52 Rating, Deduct	-193.35	
			For Class 54 Rating, Add	277.14	
			For Class 55 Rating, Add	418.94	
			For Class 56 Rating, Add	558.97	
40 05 19 00-0874	EA		20" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,075.09	744.26
			For Class 52 Rating, Deduct	-214.22	
			For Class 54 Rating, Add	305.64	
			For Class 55 Rating, Add	461.34	
			For Class 56 Rating, Add	615.08	
40 05 19 00-0875	EA		20" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,269.29	747.26
			For Class 52 Rating, Deduct	-235.08	
			For Class 54 Rating, Add	334.15	
			For Class 55 Rating, Add	503.74	
			For Class 56 Rating, Add	671.20	
40 05 19 00-0876	EA		20" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,463.49	750.26
			For Class 52 Rating, Deduct	-255.94	
			For Class 54 Rating, Add	362.65	
			For Class 55 Rating, Add	546.14	
			For Class 56 Rating, Add	727.31	
40 05 19 00-0877	EA		20" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,657.69	753.27
			For Class 52 Rating, Deduct	-276.80	
			For Class 54 Rating, Add	391.15	
			For Class 55 Rating, Add	588.54	
			For Class 56 Rating, Add	783.42	
40 05 19 00-0878	EA		20" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,851.91	756.27
			For Class 52 Rating, Deduct	-297.66	
			For Class 54 Rating, Add	419.66	
			For Class 55 Rating, Add	630.95	
			For Class 56 Rating, Add	839.53	
40 05 19 00-0879	EA		20" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,046.10	759.27
			For Class 52 Rating, Deduct	-318.53	
			For Class 54 Rating, Add	448.16	
			For Class 55 Rating, Add	673.35	
			For Class 56 Rating, Add	895.64	
40 05 19 00-0880	EA		20" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,240.31	762.27
			For Class 52 Rating, Deduct	-339.39	
			For Class 54 Rating, Add	476.66	
			For Class 55 Rating, Add	715.75	
			For Class 56 Rating, Add	951.76	
40 05 19 00-0881	EA		20" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,434.50	765.27
			For Class 52 Rating, Deduct	-360.25	
			For Class 54 Rating, Add	505.16	
			For Class 55 Rating, Add	758.15	
			For Class 56 Rating, Add	1,007.87	
40 05 19 00-0882	EA		20" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,628.71	768.27
			For Class 52 Rating, Deduct	-381.11	
			For Class 54 Rating, Add	533.67	
			For Class 55 Rating, Add	800.56	
			For Class 56 Rating, Add	1,063.98	
40 05 19 00-0883	EA		20" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,822.92	771.27
			For Class 52 Rating, Deduct	-401.98	
			For Class 54 Rating, Add	562.17	
			For Class 55 Rating, Add	842.96	
			For Class 56 Rating, Add	1,120.09	
40 05 19 00-0884	EA		20" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,017.12	774.27
			For Class 52 Rating, Deduct	-422.84	
			For Class 54 Rating, Add	590.67	
			For Class 55 Rating, Add	885.36	
			For Class 56 Rating, Add	1,176.20	
40 05 19 00-0885	EA		20" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,211.33	777.28
			For Class 52 Rating, Deduct	-443.70	
			For Class 54 Rating, Add	619.18	
			For Class 55 Rating, Add	927.76	
			For Class 56 Rating, Add	1,232.32	
40 05 19 00-0886	EA		20" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,405.53	780.28
			For Class 52 Rating, Deduct	-464.56	
			For Class 54 Rating, Add	647.68	
			For Class 55 Rating, Add	970.17	
			For Class 56 Rating, Add	1,288.43	
40 05 19 00-0887	EA		20" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,599.73	783.28
			For Class 52 Rating, Deduct	-485.42	
			For Class 54 Rating, Add	676.18	
			For Class 55 Rating, Add	1,012.57	
			For Class 56 Rating, Add	1,344.54	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

40 05 19 00-0888	EA	20" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe .....	5,793.93	786.28	
		For Class 52 Rating, Deduct	-506.29		
		For Class 54 Rating, Add	704.69		
		For Class 55 Rating, Add	1,054.97		
		For Class 56 Rating, Add	1,400.65		
40 05 19 00-0889	EA	20" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe .....	5,988.14	789.28	
		For Class 52 Rating, Deduct	-527.15		
		For Class 54 Rating, Add	733.19		
		For Class 55 Rating, Add	1,097.37		
		For Class 56 Rating, Add	1,456.77		
40 05 19 00-0890	EA	20" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe .....	6,182.34	792.28	
		For Class 52 Rating, Deduct	-548.01		
		For Class 54 Rating, Add	761.69		
		For Class 55 Rating, Add	1,139.78		
		For Class 56 Rating, Add	1,512.88		
40 05 19 00-0891	EA	20" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe .....	6,376.55	795.28	
		For Class 52 Rating, Deduct	-568.87		
		For Class 54 Rating, Add	790.20		
		For Class 55 Rating, Add	1,182.18		
		For Class 56 Rating, Add	1,568.99		
40 05 19 00-0892	EA	20" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe .....	6,570.74	798.28	
		For Class 52 Rating, Deduct	-589.73		
		For Class 54 Rating, Add	818.70		
		For Class 55 Rating, Add	1,224.58		
		For Class 56 Rating, Add	1,625.10		
40 05 19 00-0893	EA	20" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe .....	6,764.95	801.29	
		For Class 52 Rating, Deduct	-610.60		
		For Class 54 Rating, Add	847.20		
		For Class 55 Rating, Add	1,266.98		
		For Class 56 Rating, Add	1,681.22		
40 05 19 00-0894	EA	20" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe .....	6,959.15	804.29	
		For Class 52 Rating, Deduct	-631.46		
		For Class 54 Rating, Add	875.70		
		For Class 55 Rating, Add	1,309.39		
		For Class 56 Rating, Add	1,737.33		
40 05 19 00-0895	EA	20" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe .....	7,153.36	807.29	
		For Class 52 Rating, Deduct	-652.32		
		For Class 54 Rating, Add	904.21		
		For Class 55 Rating, Add	1,351.79		
		For Class 56 Rating, Add	1,793.44		
40 05 19 00-0896	EA	20" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe .....	7,347.56	810.29	
		For Class 52 Rating, Deduct	-673.18		
		For Class 54 Rating, Add	932.71		
		For Class 55 Rating, Add	1,394.19		
		For Class 56 Rating, Add	1,849.55		
40 05 19 00-0897	EA	20" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe .....	7,541.76	813.29	
		For Class 52 Rating, Deduct	-694.05		
		For Class 54 Rating, Add	961.21		
		For Class 55 Rating, Add	1,436.59		
		For Class 56 Rating, Add	1,905.66		
40 05 19 00-0898	EA	20" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe .....	7,735.96	816.29	
		For Class 52 Rating, Deduct	-714.91		
		For Class 54 Rating, Add	989.72		
		For Class 55 Rating, Add	1,479.00		
		For Class 56 Rating, Add	1,961.78		
40 05 19 00-0899	EA	20" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe .....	7,930.17	819.29	
		For Class 52 Rating, Deduct	-735.77		
		For Class 54 Rating, Add	1,018.22		
		For Class 55 Rating, Add	1,521.40		
		For Class 56 Rating, Add	2,017.89		
40 05 19 00-0900	EA	20" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe .....	8,124.37	822.29	
		For Class 52 Rating, Deduct	-756.63		
		For Class 54 Rating, Add	1,046.72		
		For Class 55 Rating, Add	1,563.80		
		For Class 56 Rating, Add	2,074.00		
40 05 19 00-0901	EA	20" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe .....	8,318.58	825.30	
		For Class 52 Rating, Deduct	-777.49		
		For Class 54 Rating, Add	1,075.22		
		For Class 55 Rating, Add	1,606.20		
		For Class 56 Rating, Add	2,130.11		
40 05 19 00-0902	EA	20" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe .....	8,512.77	828.30	
		For Class 52 Rating, Deduct	-798.36		
		For Class 54 Rating, Add	1,103.73		
		For Class 55 Rating, Add	1,648.60		
		For Class 56 Rating, Add	2,186.22		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0903 EA 20" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	8,706.98	831.30
Pipe .....	-819.22	
For Class 52 Rating, Deduct	1,132.23	
For Class 54 Rating, Add	1,691.01	
For Class 55 Rating, Add	2,242.34	
For Class 56 Rating, Add		
40 05 19 00-0904 EA 20" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	8,901.18	834.30
Pipe .....	-840.08	
For Class 52 Rating, Deduct	1,160.73	
For Class 54 Rating, Add	1,733.41	
For Class 55 Rating, Add	2,298.45	
For Class 56 Rating, Add		
40 05 19 00-0905 EA 20" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	9,095.39	837.30
Pipe .....	-860.94	
For Class 52 Rating, Deduct	1,189.24	
For Class 54 Rating, Add	1,775.81	
For Class 55 Rating, Add	2,354.56	
For Class 56 Rating, Add		
40 05 19 00-0906 EA 20" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	9,289.60	840.30
Pipe .....	-881.81	
For Class 52 Rating, Deduct	1,217.74	
For Class 54 Rating, Add	1,618.22	
For Class 55 Rating, Add	2,410.68	
For Class 56 Rating, Add		
40 05 19 00-0907 EA 20" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	9,483.79	843.30
Pipe .....	-902.67	
For Class 52 Rating, Deduct	1,246.24	
For Class 54 Rating, Add	1,660.62	
For Class 55 Rating, Add	2,466.79	
For Class 56 Rating, Add		
40 05 19 00-0908 EA 20" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	9,678.00	846.30
Pipe .....	-923.53	
For Class 52 Rating, Deduct	1,274.75	
For Class 54 Rating, Add	1,903.02	
For Class 55 Rating, Add	2,522.90	
For Class 56 Rating, Add		
40 05 19 00-0909 EA 20" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	9,872.20	849.31
Pipe .....	-944.39	
For Class 52 Rating, Deduct	1,303.25	
For Class 54 Rating, Add	1,945.42	
For Class 55 Rating, Add	2,579.01	
For Class 56 Rating, Add		
40 05 19 00-0910 EA 20" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	10,066.40	852.31
Pipe .....	-965.25	
For Class 52 Rating, Deduct	1,331.75	
For Class 54 Rating, Add	1,987.82	
For Class 55 Rating, Add	2,635.12	
For Class 56 Rating, Add		
<b>40 05 19 00-0911 24" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-0554)</small>		
40 05 19 00-0912 EA 24" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	3,548.65	876.32
Pipe .....	-244.30	
For Class 52 Rating, Deduct	349.07	
For Class 54 Rating, Add	527.13	
For Class 55 Rating, Add	702.96	
For Class 56 Rating, Add		
40 05 19 00-0913 EA 24" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	3,788.20	879.32
Pipe .....	-270.15	
For Class 52 Rating, Deduct	384.37	
For Class 54 Rating, Add	579.64	
For Class 55 Rating, Add	772.46	
For Class 56 Rating, Add		
40 05 19 00-0914 EA 24" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	4,027.76	882.32
Pipe .....	-296.00	
For Class 52 Rating, Deduct	419.68	
For Class 54 Rating, Add	632.16	
For Class 55 Rating, Add	841.95	
For Class 56 Rating, Add		
40 05 19 00-0915 EA 24" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	4,267.32	885.32
Pipe .....	-321.85	
For Class 52 Rating, Deduct	454.99	
For Class 54 Rating, Add	684.68	
For Class 55 Rating, Add	911.44	
For Class 56 Rating, Add		
40 05 19 00-0916 EA 24" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	4,506.88	888.32
Pipe .....	-347.70	
For Class 52 Rating, Deduct	490.29	
For Class 54 Rating, Add	737.19	
For Class 55 Rating, Add	980.93	
For Class 56 Rating, Add		
40 05 19 00-0917 EA 24" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	4,746.42	891.32
Pipe .....	-373.55	
For Class 52 Rating, Deduct	525.60	
For Class 54 Rating, Add	789.71	
For Class 55 Rating, Add	1,050.42	
For Class 56 Rating, Add		

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0918	EA		24" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,985.98	894.32
			For Class 52 Rating, Deduct	-399.40	
			For Class 54 Rating, Add	560.90	
			For Class 55 Rating, Add	842.22	
			For Class 56 Rating, Add	1,119.91	
40 05 19 00-0919	EA		24" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,225.53	897.32
			For Class 52 Rating, Deduct	-425.26	
			For Class 54 Rating, Add	596.21	
			For Class 55 Rating, Add	894.74	
			For Class 56 Rating, Add	1,189.40	
40 05 19 00-0920	EA		24" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,465.09	900.33
			For Class 52 Rating, Deduct	-451.11	
			For Class 54 Rating, Add	631.51	
			For Class 55 Rating, Add	947.26	
			For Class 56 Rating, Add	1,258.89	
40 05 19 00-0921	EA		24" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,704.66	903.33
			For Class 52 Rating, Deduct	-476.96	
			For Class 54 Rating, Add	666.82	
			For Class 55 Rating, Add	999.77	
			For Class 56 Rating, Add	1,328.39	
40 05 19 00-0922	EA		24" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,944.21	906.33
			For Class 52 Rating, Deduct	-502.81	
			For Class 54 Rating, Add	702.13	
			For Class 55 Rating, Add	1,052.29	
			For Class 56 Rating, Add	1,397.88	
40 05 19 00-0923	EA		24" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,183.77	909.33
			For Class 52 Rating, Deduct	-528.66	
			For Class 54 Rating, Add	737.43	
			For Class 55 Rating, Add	1,104.80	
			For Class 56 Rating, Add	1,467.37	
40 05 19 00-0924	EA		24" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,423.32	912.33
			For Class 52 Rating, Deduct	-554.51	
			For Class 54 Rating, Add	772.74	
			For Class 55 Rating, Add	1,157.32	
			For Class 56 Rating, Add	1,536.86	
40 05 19 00-0925	EA		24" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,662.87	915.33
			For Class 52 Rating, Deduct	-580.36	
			For Class 54 Rating, Add	808.04	
			For Class 55 Rating, Add	1,209.83	
			For Class 56 Rating, Add	1,606.35	
40 05 19 00-0926	EA		24" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,902.43	918.33
			For Class 52 Rating, Deduct	-606.21	
			For Class 54 Rating, Add	843.35	
			For Class 55 Rating, Add	1,262.35	
			For Class 56 Rating, Add	1,675.84	
40 05 19 00-0927	EA		24" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,141.99	921.32
			For Class 52 Rating, Deduct	-632.06	
			For Class 54 Rating, Add	878.66	
			For Class 55 Rating, Add	1,314.87	
			For Class 56 Rating, Add	1,745.33	
40 05 19 00-0928	EA		24" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,381.54	924.33
			For Class 52 Rating, Deduct	-657.91	
			For Class 54 Rating, Add	913.96	
			For Class 55 Rating, Add	1,367.38	
			For Class 56 Rating, Add	1,814.82	
40 05 19 00-0929	EA		24" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,621.10	927.33
			For Class 52 Rating, Deduct	-683.77	
			For Class 54 Rating, Add	949.27	
			For Class 55 Rating, Add	1,419.90	
			For Class 56 Rating, Add	1,884.32	
40 05 19 00-0930	EA		24" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,860.65	930.33
			For Class 52 Rating, Deduct	-709.62	
			For Class 54 Rating, Add	984.57	
			For Class 55 Rating, Add	1,472.42	
			For Class 56 Rating, Add	1,953.81	
40 05 19 00-0931	EA		24" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,100.21	933.33
			For Class 52 Rating, Deduct	-735.47	
			For Class 54 Rating, Add	1,019.88	
			For Class 55 Rating, Add	1,524.93	
			For Class 56 Rating, Add	2,023.30	
40 05 19 00-0932	EA		24" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,339.77	936.33
			For Class 52 Rating, Deduct	-761.32	
			For Class 54 Rating, Add	1,055.19	
			For Class 55 Rating, Add	1,577.45	
			For Class 56 Rating, Add	2,092.79	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0933	EA		24" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	8,579.32	939.33
			Pipe .....		
			For Class 52 Rating, Deduct	-787.17	
			For Class 54 Rating, Add	1,090.49	
			For Class 55 Rating, Add	1,629.96	
			For Class 56 Rating, Add	2,162.28	
40 05 19 00-0934	EA		24" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	8,818.87	942.33
			Pipe .....		
			For Class 52 Rating, Deduct	-813.02	
			For Class 54 Rating, Add	1,125.80	
			For Class 55 Rating, Add	1,682.48	
			For Class 56 Rating, Add	2,231.77	
40 05 19 00-0935	EA		24" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	9,058.43	945.33
			Pipe .....		
			For Class 52 Rating, Deduct	-838.87	
			For Class 54 Rating, Add	1,161.10	
			For Class 55 Rating, Add	1,735.00	
			For Class 56 Rating, Add	2,301.26	
40 05 19 00-0936	EA		24" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	9,297.98	948.34
			Pipe .....		
			For Class 52 Rating, Deduct	-864.72	
			For Class 54 Rating, Add	1,196.41	
			For Class 55 Rating, Add	1,787.51	
			For Class 56 Rating, Add	2,370.75	
40 05 19 00-0937	EA		24" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	9,537.55	951.34
			Pipe .....		
			For Class 52 Rating, Deduct	-890.57	
			For Class 54 Rating, Add	1,231.72	
			For Class 55 Rating, Add	1,840.03	
			For Class 56 Rating, Add	2,440.25	
40 05 19 00-0938	EA		24" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	9,777.10	954.34
			Pipe .....		
			For Class 52 Rating, Deduct	-916.42	
			For Class 54 Rating, Add	1,267.02	
			For Class 55 Rating, Add	1,892.55	
			For Class 56 Rating, Add	2,509.74	
40 05 19 00-0939	EA		24" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	10,016.66	957.34
			Pipe .....		
			For Class 52 Rating, Deduct	-942.28	
			For Class 54 Rating, Add	1,302.33	
			For Class 55 Rating, Add	1,945.06	
			For Class 56 Rating, Add	2,579.23	
40 05 19 00-0940	EA		24" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	10,256.21	960.34
			Pipe .....		
			For Class 52 Rating, Deduct	-968.13	
			For Class 54 Rating, Add	1,337.63	
			For Class 55 Rating, Add	1,997.58	
			For Class 56 Rating, Add	2,648.72	
40 05 19 00-0941	EA		24" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	10,573.06	1,014.36
			Pipe .....		
			For Class 52 Rating, Deduct	-993.98	
			For Class 54 Rating, Add	1,373.87	
			For Class 55 Rating, Add	2,051.95	
			For Class 56 Rating, Add	2,720.99	
40 05 19 00-0942	EA		24" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	10,812.62	1,017.36
			Pipe .....		
			For Class 52 Rating, Deduct	-1,019.83	
			For Class 54 Rating, Add	1,409.17	
			For Class 55 Rating, Add	2,104.46	
			For Class 56 Rating, Add	2,790.48	
40 05 19 00-0943	EA		24" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	11,052.18	1,020.36
			Pipe .....		
			For Class 52 Rating, Deduct	-1,045.68	
			For Class 54 Rating, Add	1,444.48	
			For Class 55 Rating, Add	2,156.98	
			For Class 56 Rating, Add	2,859.98	
40 05 19 00-0944	EA		24" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	11,291.73	1,023.37
			Pipe .....		
			For Class 52 Rating, Deduct	-1,071.53	
			For Class 54 Rating, Add	1,479.78	
			For Class 55 Rating, Add	2,209.50	
			For Class 56 Rating, Add	2,929.47	
40 05 19 00-0945	EA		24" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	11,531.29	1,026.37
			Pipe .....		
			For Class 52 Rating, Deduct	-1,097.38	
			For Class 54 Rating, Add	1,515.09	
			For Class 55 Rating, Add	2,262.01	
			For Class 56 Rating, Add	2,998.96	
40 05 19 00-0946	EA		24" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	11,770.84	1,029.37
			Pipe .....		
			For Class 52 Rating, Deduct	-1,123.23	
			For Class 54 Rating, Add	1,550.40	
			For Class 55 Rating, Add	2,314.53	
			For Class 56 Rating, Add	3,068.45	
40 05 19 00-0947	EA		24" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	12,010.41	1,032.37
			Pipe .....		
			For Class 52 Rating, Deduct	-1,149.08	
			For Class 54 Rating, Add	1,585.70	
			For Class 55 Rating, Add	2,367.05	
			For Class 56 Rating, Add	3,137.94	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

40 05 19 00-0948	EA	24" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,249.97	1,035.37
		<i>For Class 52 Rating, Deduct</i>	-1,174.93	
		<i>For Class 54 Rating, Add</i>	1,621.01	
		<i>For Class 55 Rating, Add</i>	2,419.56	
		<i>For Class 56 Rating, Add</i>	3,207.43	
40 05 19 00-0949	EA	24" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,489.51	1,038.37
		<i>For Class 52 Rating, Deduct</i>	-1,200.78	
		<i>For Class 54 Rating, Add</i>	1,656.31	
		<i>For Class 55 Rating, Add</i>	2,472.08	
		<i>For Class 56 Rating, Add</i>	3,276.92	

**40 05 19 00-0950 30" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe**

(40 05 19 00-0954)

40 05 19 00-0951	EA	30" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,419.15	1,236.44
		<i>For Class 52 Rating, Deduct</i>	-390.03	
		<i>For Class 54 Rating, Add</i>	554.34	
		<i>For Class 55 Rating, Add</i>	835.66	
		<i>For Class 56 Rating, Add</i>	1,113.44	
40 05 19 00-0952	EA	30" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,763.14	1,239.44
		<i>For Class 52 Rating, Deduct</i>	-427.37	
		<i>For Class 54 Rating, Add</i>	605.32	
		<i>For Class 55 Rating, Add</i>	911.47	
		<i>For Class 56 Rating, Add</i>	1,213.74	
40 05 19 00-0953	EA	30" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,107.16	1,242.44
		<i>For Class 52 Rating, Deduct</i>	-464.71	
		<i>For Class 54 Rating, Add</i>	656.29	
		<i>For Class 55 Rating, Add</i>	987.28	
		<i>For Class 56 Rating, Add</i>	1,314.04	
40 05 19 00-0954	EA	30" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,451.16	1,245.45
		<i>For Class 52 Rating, Deduct</i>	-502.05	
		<i>For Class 54 Rating, Add</i>	707.26	
		<i>For Class 55 Rating, Add</i>	1,063.09	
		<i>For Class 56 Rating, Add</i>	1,414.35	
40 05 19 00-0955	EA	30" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,795.16	1,248.45
		<i>For Class 52 Rating, Deduct</i>	-539.39	
		<i>For Class 54 Rating, Add</i>	758.23	
		<i>For Class 55 Rating, Add</i>	1,138.89	
		<i>For Class 56 Rating, Add</i>	1,514.65	
40 05 19 00-0956	EA	30" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,139.16	1,251.45
		<i>For Class 52 Rating, Deduct</i>	-576.73	
		<i>For Class 54 Rating, Add</i>	809.21	
		<i>For Class 55 Rating, Add</i>	1,214.70	
		<i>For Class 56 Rating, Add</i>	1,614.95	
40 05 19 00-0957	EA	30" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,483.17	1,254.45
		<i>For Class 52 Rating, Deduct</i>	-614.07	
		<i>For Class 54 Rating, Add</i>	860.18	
		<i>For Class 55 Rating, Add</i>	1,290.51	
		<i>For Class 56 Rating, Add</i>	1,715.26	
40 05 19 00-0958	EA	30" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,827.16	1,257.45
		<i>For Class 52 Rating, Deduct</i>	-651.41	
		<i>For Class 54 Rating, Add</i>	911.15	
		<i>For Class 55 Rating, Add</i>	1,366.32	
		<i>For Class 56 Rating, Add</i>	1,815.56	
40 05 19 00-0959	EA	30" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,171.18	1,260.45
		<i>For Class 52 Rating, Deduct</i>	-688.75	
		<i>For Class 54 Rating, Add</i>	962.13	
		<i>For Class 55 Rating, Add</i>	1,442.13	
		<i>For Class 56 Rating, Add</i>	1,915.87	
40 05 19 00-0960	EA	30" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,515.18	1,263.45
		<i>For Class 52 Rating, Deduct</i>	-726.09	
		<i>For Class 54 Rating, Add</i>	1,013.10	
		<i>For Class 55 Rating, Add</i>	1,517.94	
		<i>For Class 56 Rating, Add</i>	2,016.17	
40 05 19 00-0961	EA	30" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,859.19	1,266.45
		<i>For Class 52 Rating, Deduct</i>	-763.44	
		<i>For Class 54 Rating, Add</i>	1,064.07	
		<i>For Class 55 Rating, Add</i>	1,593.74	
		<i>For Class 56 Rating, Add</i>	2,116.47	
40 05 19 00-0962	EA	30" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,203.18	1,269.46
		<i>For Class 52 Rating, Deduct</i>	-800.77	
		<i>For Class 54 Rating, Add</i>	1,115.05	
		<i>For Class 55 Rating, Add</i>	1,669.55	
		<i>For Class 56 Rating, Add</i>	2,216.77	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0963 EA 30" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,547.19	1,272.46
<i>For Class 52 Rating, Deduct</i>	-838.12	
<i>For Class 54 Rating, Add</i>	1,166.02	
<i>For Class 55 Rating, Add</i>	1,745.36	
<i>For Class 56 Rating, Add</i>	2,317.08	
40 05 19 00-0964 EA 30" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,891.20	1,275.46
<i>For Class 52 Rating, Deduct</i>	-875.46	
<i>For Class 54 Rating, Add</i>	1,216.99	
<i>For Class 55 Rating, Add</i>	1,821.17	
<i>For Class 56 Rating, Add</i>	2,417.38	
40 05 19 00-0965 EA 30" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,235.20	1,278.46
<i>For Class 52 Rating, Deduct</i>	-912.80	
<i>For Class 54 Rating, Add</i>	1,267.97	
<i>For Class 55 Rating, Add</i>	1,896.97	
<i>For Class 56 Rating, Add</i>	2,517.69	
40 05 19 00-0966 EA 30" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,579.20	1,281.46
<i>For Class 52 Rating, Deduct</i>	-950.14	
<i>For Class 54 Rating, Add</i>	1,318.94	
<i>For Class 55 Rating, Add</i>	1,972.78	
<i>For Class 56 Rating, Add</i>	2,617.99	
40 05 19 00-0967 EA 30" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,923.21	1,284.46
<i>For Class 52 Rating, Deduct</i>	-987.48	
<i>For Class 54 Rating, Add</i>	1,369.91	
<i>For Class 55 Rating, Add</i>	2,048.59	
<i>For Class 56 Rating, Add</i>	2,718.29	
40 05 19 00-0968 EA 30" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,267.21	1,287.46
<i>For Class 52 Rating, Deduct</i>	-1,024.82	
<i>For Class 54 Rating, Add</i>	1,420.89	
<i>For Class 55 Rating, Add</i>	2,124.40	
<i>For Class 56 Rating, Add</i>	2,818.60	
40 05 19 00-0969 EA 30" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,611.21	1,290.46
<i>For Class 52 Rating, Deduct</i>	-1,062.16	
<i>For Class 54 Rating, Add</i>	1,471.86	
<i>For Class 55 Rating, Add</i>	2,200.21	
<i>For Class 56 Rating, Add</i>	2,918.90	
40 05 19 00-0970 EA 30" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,955.23	1,293.47
<i>For Class 52 Rating, Deduct</i>	-1,099.50	
<i>For Class 54 Rating, Add</i>	1,522.83	
<i>For Class 55 Rating, Add</i>	2,276.02	
<i>For Class 56 Rating, Add</i>	3,019.20	
40 05 19 00-0971 EA 30" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,299.23	1,296.47
<i>For Class 52 Rating, Deduct</i>	-1,136.84	
<i>For Class 54 Rating, Add</i>	1,573.81	
<i>For Class 55 Rating, Add</i>	2,351.82	
<i>For Class 56 Rating, Add</i>	3,119.51	
40 05 19 00-0972 EA 30" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,643.23	1,299.47
<i>For Class 52 Rating, Deduct</i>	-1,174.18	
<i>For Class 54 Rating, Add</i>	1,624.78	
<i>For Class 55 Rating, Add</i>	2,427.63	
<i>For Class 56 Rating, Add</i>	3,219.81	
40 05 19 00-0973 EA 30" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,987.23	1,302.47
<i>For Class 52 Rating, Deduct</i>	-1,211.52	
<i>For Class 54 Rating, Add</i>	1,675.75	
<i>For Class 55 Rating, Add</i>	2,503.44	
<i>For Class 56 Rating, Add</i>	3,320.11	
40 05 19 00-0974 EA 30" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	13,331.24	1,305.47
<i>For Class 52 Rating, Deduct</i>	-1,248.86	
<i>For Class 54 Rating, Add</i>	1,726.72	
<i>For Class 55 Rating, Add</i>	2,579.25	
<i>For Class 56 Rating, Add</i>	3,420.42	
40 05 19 00-0975 EA 30" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	13,675.24	1,308.47
<i>For Class 52 Rating, Deduct</i>	-1,286.20	
<i>For Class 54 Rating, Add</i>	1,777.70	
<i>For Class 55 Rating, Add</i>	2,655.06	
<i>For Class 56 Rating, Add</i>	3,520.72	
40 05 19 00-0976 EA 30" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	14,019.25	1,311.47
<i>For Class 52 Rating, Deduct</i>	-1,323.54	
<i>For Class 54 Rating, Add</i>	1,828.67	
<i>For Class 55 Rating, Add</i>	2,730.86	
<i>For Class 56 Rating, Add</i>	3,621.03	
40 05 19 00-0977 EA 30" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	14,363.25	1,314.47
<i>For Class 52 Rating, Deduct</i>	-1,360.88	
<i>For Class 54 Rating, Add</i>	1,879.64	
<i>For Class 55 Rating, Add</i>	2,806.67	
<i>For Class 56 Rating, Add</i>	3,721.33	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

40 05 19 00-0978	EA	30" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,707.26	1,317.48
		<i>For Class 52 Rating, Deduct</i>	-1,398.22	
		<i>For Class 54 Rating, Add</i>	1,930.62	
		<i>For Class 55 Rating, Add</i>	2,882.48	
		<i>For Class 56 Rating, Add</i>	3,821.63	
40 05 19 00-0979	EA	30" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,051.25	1,320.48
		<i>For Class 52 Rating, Deduct</i>	-1,435.56	
		<i>For Class 54 Rating, Add</i>	1,981.59	
		<i>For Class 55 Rating, Add</i>	2,958.29	
		<i>For Class 56 Rating, Add</i>	3,921.93	
40 05 19 00-0980	EA	30" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,395.27	1,323.48
		<i>For Class 52 Rating, Deduct</i>	-1,472.90	
		<i>For Class 54 Rating, Add</i>	2,032.56	
		<i>For Class 55 Rating, Add</i>	3,034.10	
		<i>For Class 56 Rating, Add</i>	4,022.24	
40 05 19 00-0981	EA	30" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,739.27	1,326.48
		<i>For Class 52 Rating, Deduct</i>	-1,510.24	
		<i>For Class 54 Rating, Add</i>	2,083.54	
		<i>For Class 55 Rating, Add</i>	3,109.91	
		<i>For Class 56 Rating, Add</i>	4,122.54	
40 05 19 00-0982	EA	30" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,083.27	1,329.48
		<i>For Class 52 Rating, Deduct</i>	-1,547.58	
		<i>For Class 54 Rating, Add</i>	2,134.51	
		<i>For Class 55 Rating, Add</i>	3,185.71	
		<i>For Class 56 Rating, Add</i>	4,222.85	
40 05 19 00-0983	EA	30" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,427.27	1,332.48
		<i>For Class 52 Rating, Deduct</i>	-1,584.92	
		<i>For Class 54 Rating, Add</i>	2,185.48	
		<i>For Class 55 Rating, Add</i>	3,261.52	
		<i>For Class 56 Rating, Add</i>	4,323.15	
40 05 19 00-0984	EA	30" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,771.28	1,335.47
		<i>For Class 52 Rating, Deduct</i>	-1,622.26	
		<i>For Class 54 Rating, Add</i>	2,236.46	
		<i>For Class 55 Rating, Add</i>	3,337.33	
		<i>For Class 56 Rating, Add</i>	4,423.45	
40 05 19 00-0985	EA	30" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,115.27	1,338.47
		<i>For Class 52 Rating, Deduct</i>	-1,659.60	
		<i>For Class 54 Rating, Add</i>	2,287.43	
		<i>For Class 55 Rating, Add</i>	3,413.14	
		<i>For Class 56 Rating, Add</i>	4,523.76	
40 05 19 00-0986	EA	30" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,459.29	1,341.48
		<i>For Class 52 Rating, Deduct</i>	-1,696.94	
		<i>For Class 54 Rating, Add</i>	2,338.40	
		<i>For Class 55 Rating, Add</i>	3,488.94	
		<i>For Class 56 Rating, Add</i>	4,624.06	
40 05 19 00-0987	EA	30" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,803.29	1,344.48
		<i>For Class 52 Rating, Deduct</i>	-1,734.28	
		<i>For Class 54 Rating, Add</i>	2,389.38	
		<i>For Class 55 Rating, Add</i>	3,564.75	
		<i>For Class 56 Rating, Add</i>	4,724.36	
40 05 19 00-0988	EA	30" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,147.30	1,347.48
		<i>For Class 52 Rating, Deduct</i>	-1,771.62	
		<i>For Class 54 Rating, Add</i>	2,440.35	
		<i>For Class 55 Rating, Add</i>	3,640.56	
		<i>For Class 56 Rating, Add</i>	4,824.67	
40 05 19 00-0989		<b>36" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-0954)</small>		
40 05 19 00-0990	EA	36" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,371.97	1,566.56
		<i>For Class 52 Rating, Deduct</i>	-549.82	
		<i>For Class 54 Rating, Add</i>	778.24	
		<i>For Class 55 Rating, Add</i>	1,171.61	
		<i>For Class 56 Rating, Add</i>	1,559.98	
40 05 19 00-0991	EA	36" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,838.30	1,569.56
		<i>For Class 52 Rating, Deduct</i>	-600.62	
		<i>For Class 54 Rating, Add</i>	847.56	
		<i>For Class 55 Rating, Add</i>	1,274.69	
		<i>For Class 56 Rating, Add</i>	1,696.36	
40 05 19 00-0992	EA	36" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,304.61	1,572.56
		<i>For Class 52 Rating, Deduct</i>	-651.41	
		<i>For Class 54 Rating, Add</i>	916.88	
		<i>For Class 55 Rating, Add</i>	1,377.78	
		<i>For Class 56 Rating, Add</i>	1,832.75	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0993	EA		36" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,770.94	1,575.56
			For Class 52 Rating, Deduct	-702.21	
			For Class 54 Rating, Add	986.20	
			For Class 55 Rating, Add	1,480.86	
			For Class 56 Rating, Add	1,969.14	
40 05 19 00-0994	EA		36" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,237.25	1,578.56
			For Class 52 Rating, Deduct	-753.00	
			For Class 54 Rating, Add	1,055.52	
			For Class 55 Rating, Add	1,583.95	
			For Class 56 Rating, Add	2,105.52	
40 05 19 00-0995	EA		36" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,703.57	1,581.56
			For Class 52 Rating, Deduct	-803.80	
			For Class 54 Rating, Add	1,124.84	
			For Class 55 Rating, Add	1,687.03	
			For Class 56 Rating, Add	2,241.91	
40 05 19 00-0996	EA		36" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,169.89	1,584.56
			For Class 52 Rating, Deduct	-854.59	
			For Class 54 Rating, Add	1,194.16	
			For Class 55 Rating, Add	1,790.11	
			For Class 56 Rating, Add	2,378.29	
40 05 19 00-0997	EA		36" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,636.21	1,587.57
			For Class 52 Rating, Deduct	-905.39	
			For Class 54 Rating, Add	1,263.48	
			For Class 55 Rating, Add	1,893.20	
			For Class 56 Rating, Add	2,514.68	
40 05 19 00-0998	EA		36" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,102.52	1,590.57
			For Class 52 Rating, Deduct	-956.18	
			For Class 54 Rating, Add	1,332.80	
			For Class 55 Rating, Add	1,996.28	
			For Class 56 Rating, Add	2,651.07	
40 05 19 00-0999	EA		36" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,568.85	1,593.57
			For Class 52 Rating, Deduct	-1,006.98	
			For Class 54 Rating, Add	1,402.13	
			For Class 55 Rating, Add	2,099.37	
			For Class 56 Rating, Add	2,787.46	
40 05 19 00-1000	EA		36" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,035.16	1,596.57
			For Class 52 Rating, Deduct	-1,057.77	
			For Class 54 Rating, Add	1,471.45	
			For Class 55 Rating, Add	2,202.45	
			For Class 56 Rating, Add	2,923.84	
40 05 19 00-1001	EA		36" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,501.49	1,599.57
			For Class 52 Rating, Deduct	-1,108.57	
			For Class 54 Rating, Add	1,540.77	
			For Class 55 Rating, Add	2,305.54	
			For Class 56 Rating, Add	3,060.23	
40 05 19 00-1002	EA		36" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,967.80	1,602.57
			For Class 52 Rating, Deduct	-1,159.36	
			For Class 54 Rating, Add	1,610.09	
			For Class 55 Rating, Add	2,408.62	
			For Class 56 Rating, Add	3,196.61	
40 05 19 00-1003	EA		36" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,434.12	1,605.57
			For Class 52 Rating, Deduct	-1,210.16	
			For Class 54 Rating, Add	1,679.41	
			For Class 55 Rating, Add	2,511.70	
			For Class 56 Rating, Add	3,333.00	
40 05 19 00-1004	EA		36" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,900.43	1,608.57
			For Class 52 Rating, Deduct	-1,260.95	
			For Class 54 Rating, Add	1,748.73	
			For Class 55 Rating, Add	2,614.79	
			For Class 56 Rating, Add	3,469.38	
40 05 19 00-1005	EA		36" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,366.75	1,611.57
			For Class 52 Rating, Deduct	-1,311.75	
			For Class 54 Rating, Add	1,818.05	
			For Class 55 Rating, Add	2,717.87	
			For Class 56 Rating, Add	3,605.77	
40 05 19 00-1006	EA		36" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,833.08	1,614.58
			For Class 52 Rating, Deduct	-1,362.54	
			For Class 54 Rating, Add	1,887.37	
			For Class 55 Rating, Add	2,820.96	
			For Class 56 Rating, Add	3,742.16	
40 05 19 00-1007	EA		36" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,299.40	1,617.58
			For Class 52 Rating, Deduct	-1,413.34	
			For Class 54 Rating, Add	1,956.69	
			For Class 55 Rating, Add	2,924.04	
			For Class 56 Rating, Add	3,878.55	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1008	EA		36" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,765.72	1,620.58
			For Class 52 Rating, Deduct	-1,464.13	
			For Class 54 Rating, Add	2,026.01	
			For Class 55 Rating, Add	3,027.12	
			For Class 56 Rating, Add	4,014.93	
40 05 19 00-1009	EA		36" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,232.03	1,623.58
			For Class 52 Rating, Deduct	-1,514.93	
			For Class 54 Rating, Add	2,095.33	
			For Class 55 Rating, Add	3,130.21	
			For Class 56 Rating, Add	4,151.32	
40 05 19 00-1010	EA		36" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,698.35	1,626.58
			For Class 52 Rating, Deduct	-1,565.72	
			For Class 54 Rating, Add	2,164.65	
			For Class 55 Rating, Add	3,233.29	
			For Class 56 Rating, Add	4,287.70	
40 05 19 00-1011	EA		36" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,164.66	1,629.58
			For Class 52 Rating, Deduct	-1,616.52	
			For Class 54 Rating, Add	2,233.97	
			For Class 55 Rating, Add	3,336.38	
			For Class 56 Rating, Add	4,424.09	
40 05 19 00-1012	EA		36" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,631.00	1,632.58
			For Class 52 Rating, Deduct	-1,667.31	
			For Class 54 Rating, Add	2,303.29	
			For Class 55 Rating, Add	3,439.46	
			For Class 56 Rating, Add	4,560.48	
40 05 19 00-1013	EA		36" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,097.31	1,635.58
			For Class 52 Rating, Deduct	-1,718.11	
			For Class 54 Rating, Add	2,372.61	
			For Class 55 Rating, Add	3,542.55	
			For Class 56 Rating, Add	4,696.86	
40 05 19 00-1014	EA		36" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,563.63	1,638.59
			For Class 52 Rating, Deduct	-1,768.90	
			For Class 54 Rating, Add	2,441.93	
			For Class 55 Rating, Add	3,645.63	
			For Class 56 Rating, Add	4,833.25	
40 05 19 00-1015	EA		36" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,029.94	1,641.59
			For Class 52 Rating, Deduct	-1,819.70	
			For Class 54 Rating, Add	2,511.25	
			For Class 55 Rating, Add	3,748.71	
			For Class 56 Rating, Add	4,969.63	
40 05 19 00-1016	EA		36" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,496.26	1,644.59
			For Class 52 Rating, Deduct	-1,870.49	
			For Class 54 Rating, Add	2,580.57	
			For Class 55 Rating, Add	3,851.80	
			For Class 56 Rating, Add	5,106.02	
40 05 19 00-1017	EA		36" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,962.57	1,647.59
			For Class 52 Rating, Deduct	-1,921.29	
			For Class 54 Rating, Add	2,649.89	
			For Class 55 Rating, Add	3,954.88	
			For Class 56 Rating, Add	5,242.41	
40 05 19 00-1018	EA		36" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,428.90	1,650.59
			For Class 52 Rating, Deduct	-1,972.08	
			For Class 54 Rating, Add	2,719.21	
			For Class 55 Rating, Add	4,057.97	
			For Class 56 Rating, Add	5,378.79	
40 05 19 00-1019	EA		36" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,895.22	1,653.59
			For Class 52 Rating, Deduct	-2,022.88	
			For Class 54 Rating, Add	2,788.53	
			For Class 55 Rating, Add	4,161.05	
			For Class 56 Rating, Add	5,515.18	
40 05 19 00-1020	EA		36" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,361.54	1,656.59
			For Class 52 Rating, Deduct	-2,073.67	
			For Class 54 Rating, Add	2,857.85	
			For Class 55 Rating, Add	4,264.14	
			For Class 56 Rating, Add	5,651.57	
40 05 19 00-1021	EA		36" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,827.85	1,659.59
			For Class 52 Rating, Deduct	-2,124.47	
			For Class 54 Rating, Add	2,927.17	
			For Class 55 Rating, Add	4,367.22	
			For Class 56 Rating, Add	5,787.95	
40 05 19 00-1022	EA		36" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,294.17	1,662.60
			For Class 52 Rating, Deduct	-2,175.26	
			For Class 54 Rating, Add	2,996.49	
			For Class 55 Rating, Add	4,470.30	
			For Class 56 Rating, Add	5,924.34	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1023 EA 36" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,760.49	1,665.60
For Class 52 Rating, Deduct	-2,226.05	
For Class 54 Rating, Add	3,065.81	
For Class 55 Rating, Add	4,573.39	
For Class 56 Rating, Add	6,060.72	
40 05 19 00-1024 EA 36" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,226.81	1,668.60
For Class 52 Rating, Deduct	-2,276.85	
For Class 54 Rating, Add	3,135.13	
For Class 55 Rating, Add	4,676.47	
For Class 56 Rating, Add	6,197.11	
40 05 19 00-1025 EA 36" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,693.12	1,671.60
For Class 52 Rating, Deduct	-2,327.64	
For Class 54 Rating, Add	3,204.45	
For Class 55 Rating, Add	4,779.55	
For Class 56 Rating, Add	6,333.50	
40 05 19 00-1026 EA 36" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,159.45	1,674.60
For Class 52 Rating, Deduct	-2,378.44	
For Class 54 Rating, Add	3,273.77	
For Class 55 Rating, Add	4,882.64	
For Class 56 Rating, Add	6,469.88	
40 05 19 00-1027 EA 36" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,625.77	1,677.60
For Class 52 Rating, Deduct	-2,429.23	
For Class 54 Rating, Add	3,343.09	
For Class 55 Rating, Add	4,985.72	
For Class 56 Rating, Add	6,606.27	
<b>40 05 19 00-1028 Flanged End x Plain End (FxPE), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-0001)</small>		
<b>40 05 19 00-1029 4" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-1028)</small>		
40 05 19 00-1030 EA 4" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	421.65	146.77
For Class 52 Rating, Deduct	-21.92	
For Class 54 Rating, Add	32.56	
For Class 55 Rating, Add	49.78	
For Class 56 Rating, Add	66.79	
40 05 19 00-1031 EA 4" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	461.27	149.34
For Class 52 Rating, Deduct	-25.85	
For Class 54 Rating, Add	37.97	
For Class 55 Rating, Add	57.84	
For Class 56 Rating, Add	77.47	
40 05 19 00-1032 EA 4" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	500.89	151.91
For Class 52 Rating, Deduct	-29.78	
For Class 54 Rating, Add	43.37	
For Class 55 Rating, Add	65.90	
For Class 56 Rating, Add	88.15	
40 05 19 00-1033 EA 4" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	540.51	154.47
For Class 52 Rating, Deduct	-33.71	
For Class 54 Rating, Add	48.78	
For Class 55 Rating, Add	73.96	
For Class 56 Rating, Add	98.83	
40 05 19 00-1034 EA 4" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	580.14	157.03
For Class 52 Rating, Deduct	-37.64	
For Class 54 Rating, Add	54.19	
For Class 55 Rating, Add	82.02	
For Class 56 Rating, Add	109.52	
40 05 19 00-1035 EA 4" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	619.76	159.60
For Class 52 Rating, Deduct	-41.57	
For Class 54 Rating, Add	59.59	
For Class 55 Rating, Add	90.08	
For Class 56 Rating, Add	120.20	
40 05 19 00-1036 EA 4" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	659.37	162.17
For Class 52 Rating, Deduct	-45.50	
For Class 54 Rating, Add	65.00	
For Class 55 Rating, Add	98.15	
For Class 56 Rating, Add	130.88	
40 05 19 00-1037 EA 4" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	698.99	164.73
For Class 52 Rating, Deduct	-49.43	
For Class 54 Rating, Add	70.41	
For Class 55 Rating, Add	106.21	
For Class 56 Rating, Add	141.56	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

40 05 19 00-1038	EA	4" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	738.62	167.29
		<i>For Class 52 Rating, Deduct</i>	-53.37	
		<i>For Class 54 Rating, Add</i>	75.81	
		<i>For Class 55 Rating, Add</i>	114.27	
		<i>For Class 56 Rating, Add</i>	152.24	
40 05 19 00-1039	EA	4" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	778.23	169.87
		<i>For Class 52 Rating, Deduct</i>	-57.30	
		<i>For Class 54 Rating, Add</i>	81.22	
		<i>For Class 55 Rating, Add</i>	122.33	
		<i>For Class 56 Rating, Add</i>	162.92	
40 05 19 00-1040	EA	4" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	817.85	172.43
		<i>For Class 52 Rating, Deduct</i>	-61.23	
		<i>For Class 54 Rating, Add</i>	86.63	
		<i>For Class 55 Rating, Add</i>	130.39	
		<i>For Class 56 Rating, Add</i>	173.60	
40 05 19 00-1041	EA	4" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	857.47	174.99
		<i>For Class 52 Rating, Deduct</i>	-65.16	
		<i>For Class 54 Rating, Add</i>	92.03	
		<i>For Class 55 Rating, Add</i>	138.45	
		<i>For Class 56 Rating, Add</i>	184.28	
40 05 19 00-1042	EA	4" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	897.09	177.57
		<i>For Class 52 Rating, Deduct</i>	-69.09	
		<i>For Class 54 Rating, Add</i>	97.44	
		<i>For Class 55 Rating, Add</i>	146.51	
		<i>For Class 56 Rating, Add</i>	194.96	
40 05 19 00-1043	EA	4" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	936.71	180.13
		<i>For Class 52 Rating, Deduct</i>	-73.02	
		<i>For Class 54 Rating, Add</i>	102.84	
		<i>For Class 55 Rating, Add</i>	154.58	
		<i>For Class 56 Rating, Add</i>	205.65	
40 05 19 00-1044	EA	4" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	976.33	182.69
		<i>For Class 52 Rating, Deduct</i>	-76.95	
		<i>For Class 54 Rating, Add</i>	108.25	
		<i>For Class 55 Rating, Add</i>	162.64	
		<i>For Class 56 Rating, Add</i>	216.33	
40 05 19 00-1045	EA	4" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,015.95	185.26
		<i>For Class 52 Rating, Deduct</i>	-80.88	
		<i>For Class 54 Rating, Add</i>	113.66	
		<i>For Class 55 Rating, Add</i>	170.70	
		<i>For Class 56 Rating, Add</i>	227.01	
40 05 19 00-1046	EA	4" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,055.57	187.83
		<i>For Class 52 Rating, Deduct</i>	-84.81	
		<i>For Class 54 Rating, Add</i>	119.06	
		<i>For Class 55 Rating, Add</i>	178.76	
		<i>For Class 56 Rating, Add</i>	237.69	
40 05 19 00-1047	EA	4" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,095.20	190.38
		<i>For Class 52 Rating, Deduct</i>	-88.74	
		<i>For Class 54 Rating, Add</i>	124.47	
		<i>For Class 55 Rating, Add</i>	186.82	
		<i>For Class 56 Rating, Add</i>	248.37	
40 05 19 00-1048	EA	4" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,134.82	192.96
		<i>For Class 52 Rating, Deduct</i>	-92.67	
		<i>For Class 54 Rating, Add</i>	129.88	
		<i>For Class 55 Rating, Add</i>	194.89	
		<i>For Class 56 Rating, Add</i>	259.05	
40 05 19 00-1049	EA	4" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,174.44	195.52
		<i>For Class 52 Rating, Deduct</i>	-96.60	
		<i>For Class 54 Rating, Add</i>	135.28	
		<i>For Class 55 Rating, Add</i>	202.95	
		<i>For Class 56 Rating, Add</i>	269.73	
40 05 19 00-1050	EA	4" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,214.05	198.09
		<i>For Class 52 Rating, Deduct</i>	-100.53	
		<i>For Class 54 Rating, Add</i>	140.69	
		<i>For Class 55 Rating, Add</i>	211.01	
		<i>For Class 56 Rating, Add</i>	280.41	
40 05 19 00-1051	EA	4" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,253.67	200.66
		<i>For Class 52 Rating, Deduct</i>	-104.46	
		<i>For Class 54 Rating, Add</i>	146.10	
		<i>For Class 55 Rating, Add</i>	219.07	
		<i>For Class 56 Rating, Add</i>	291.09	
40 05 19 00-1052	EA	4" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,293.29	203.22
		<i>For Class 52 Rating, Deduct</i>	-108.39	
		<i>For Class 54 Rating, Add</i>	151.50	
		<i>For Class 55 Rating, Add</i>	227.13	
		<i>For Class 56 Rating, Add</i>	301.77	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1053	EA		4" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe .....	1,332.91	205.79
			For Class 52 Rating, Deduct .....	-112.32	
			For Class 54 Rating, Add .....	156.91	
			For Class 55 Rating, Add .....	235.19	
			For Class 56 Rating, Add .....	312.45	
40 05 19 00-1054	EA		4" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe .....	1,372.53	208.34
			For Class 52 Rating, Deduct .....	-116.25	
			For Class 54 Rating, Add .....	162.32	
			For Class 55 Rating, Add .....	243.25	
			For Class 56 Rating, Add .....	323.14	
40 05 19 00-1055	EA		4" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe .....	1,412.15	210.92
			For Class 52 Rating, Deduct .....	-120.18	
			For Class 54 Rating, Add .....	167.72	
			For Class 55 Rating, Add .....	251.32	
			For Class 56 Rating, Add .....	333.82	
40 05 19 00-1056	EA		4" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe .....	1,451.78	213.48
			For Class 52 Rating, Deduct .....	-124.12	
			For Class 54 Rating, Add .....	173.13	
			For Class 55 Rating, Add .....	259.38	
			For Class 56 Rating, Add .....	344.50	
40 05 19 00-1057	EA		4" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe .....	1,491.40	216.06
			For Class 52 Rating, Deduct .....	-128.05	
			For Class 54 Rating, Add .....	178.54	
			For Class 55 Rating, Add .....	267.44	
			For Class 56 Rating, Add .....	355.18	
40 05 19 00-1058	EA		4" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe .....	1,531.02	218.61
			For Class 52 Rating, Deduct .....	-131.98	
			For Class 54 Rating, Add .....	183.94	
			For Class 55 Rating, Add .....	275.50	
			For Class 56 Rating, Add .....	365.86	
40 05 19 00-1059	EA		4" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe .....	1,570.63	221.18
			For Class 52 Rating, Deduct .....	-135.91	
			For Class 54 Rating, Add .....	189.35	
			For Class 55 Rating, Add .....	283.56	
			For Class 56 Rating, Add .....	376.54	
40 05 19 00-1060	EA		4" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe .....	1,610.26	223.75
			For Class 52 Rating, Deduct .....	-139.84	
			For Class 54 Rating, Add .....	194.76	
			For Class 55 Rating, Add .....	291.62	
			For Class 56 Rating, Add .....	387.22	
40 05 19 00-1061	EA		4" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe .....	1,649.87	226.32
			For Class 52 Rating, Deduct .....	-143.77	
			For Class 54 Rating, Add .....	200.16	
			For Class 55 Rating, Add .....	299.69	
			For Class 56 Rating, Add .....	397.90	
40 05 19 00-1062	EA		4" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe .....	1,689.49	228.88
			For Class 52 Rating, Deduct .....	-147.70	
			For Class 54 Rating, Add .....	205.57	
			For Class 55 Rating, Add .....	307.75	
			For Class 56 Rating, Add .....	408.58	
40 05 19 00-1063	EA		4" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe .....	1,729.11	231.44
			For Class 52 Rating, Deduct .....	-151.63	
			For Class 54 Rating, Add .....	210.97	
			For Class 55 Rating, Add .....	315.81	
			For Class 56 Rating, Add .....	419.26	
40 05 19 00-1064	EA		4" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe .....	1,768.74	234.02
			For Class 52 Rating, Deduct .....	-155.56	
			For Class 54 Rating, Add .....	216.38	
			For Class 55 Rating, Add .....	323.87	
			For Class 56 Rating, Add .....	429.95	
40 05 19 00-1065	EA		4" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe .....	1,808.36	236.57
			For Class 52 Rating, Deduct .....	-159.49	
			For Class 54 Rating, Add .....	221.79	
			For Class 55 Rating, Add .....	331.93	
			For Class 56 Rating, Add .....	440.63	
40 05 19 00-1066	EA		4" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe .....	1,847.97	239.14
			For Class 52 Rating, Deduct .....	-163.42	
			For Class 54 Rating, Add .....	227.19	
			For Class 55 Rating, Add .....	339.99	
			For Class 56 Rating, Add .....	451.31	
40 05 19 00-1067	EA		4" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe .....	1,887.59	241.71
			For Class 52 Rating, Deduct .....	-167.35	
			For Class 54 Rating, Add .....	232.60	
			For Class 55 Rating, Add .....	348.05	
			For Class 56 Rating, Add .....	461.99	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

40 05 19 00-1068	EA	4" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,927.21	244.28
		<i>For Class 52 Rating, Deduct</i>	-171.28	
		<i>For Class 54 Rating, Add</i>	238.01	
		<i>For Class 55 Rating, Add</i>	356.12	
		<i>For Class 56 Rating, Add</i>	472.67	
40 05 19 00-1069		6" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-1028)		
40 05 19 00-1070	EA	6" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	528.66	184.75
		<i>For Class 52 Rating, Deduct</i>	-27.36	
		<i>For Class 54 Rating, Add</i>	40.67	
		<i>For Class 55 Rating, Add</i>	62.19	
		<i>For Class 56 Rating, Add</i>	83.46	
40 05 19 00-1071	EA	6" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	576.53	187.31
		<i>For Class 52 Rating, Deduct</i>	-32.20	
		<i>For Class 54 Rating, Add</i>	47.32	
		<i>For Class 55 Rating, Add</i>	72.09	
		<i>For Class 56 Rating, Add</i>	96.57	
40 05 19 00-1072	EA	6" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	624.40	189.88
		<i>For Class 52 Rating, Deduct</i>	-37.04	
		<i>For Class 54 Rating, Add</i>	53.96	
		<i>For Class 55 Rating, Add</i>	81.99	
		<i>For Class 56 Rating, Add</i>	109.69	
40 05 19 00-1073	EA	6" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	672.27	192.44
		<i>For Class 52 Rating, Deduct</i>	-41.88	
		<i>For Class 54 Rating, Add</i>	60.60	
		<i>For Class 55 Rating, Add</i>	91.89	
		<i>For Class 56 Rating, Add</i>	122.80	
40 05 19 00-1074	EA	6" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	720.13	195.01
		<i>For Class 52 Rating, Deduct</i>	-46.71	
		<i>For Class 54 Rating, Add</i>	67.24	
		<i>For Class 55 Rating, Add</i>	101.79	
		<i>For Class 56 Rating, Add</i>	135.91	
40 05 19 00-1075	EA	6" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	768.00	197.58
		<i>For Class 52 Rating, Deduct</i>	-51.55	
		<i>For Class 54 Rating, Add</i>	73.89	
		<i>For Class 55 Rating, Add</i>	111.69	
		<i>For Class 56 Rating, Add</i>	149.03	
40 05 19 00-1076	EA	6" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	815.87	200.14
		<i>For Class 52 Rating, Deduct</i>	-56.39	
		<i>For Class 54 Rating, Add</i>	80.53	
		<i>For Class 55 Rating, Add</i>	121.59	
		<i>For Class 56 Rating, Add</i>	162.14	
40 05 19 00-1077	EA	6" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	863.74	202.71
		<i>For Class 52 Rating, Deduct</i>	-61.23	
		<i>For Class 54 Rating, Add</i>	87.18	
		<i>For Class 55 Rating, Add</i>	131.49	
		<i>For Class 56 Rating, Add</i>	175.25	
40 05 19 00-1078	EA	6" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	911.60	205.28
		<i>For Class 52 Rating, Deduct</i>	-66.06	
		<i>For Class 54 Rating, Add</i>	93.82	
		<i>For Class 55 Rating, Add</i>	141.39	
		<i>For Class 56 Rating, Add</i>	188.37	
40 05 19 00-1079	EA	6" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	959.47	207.84
		<i>For Class 52 Rating, Deduct</i>	-70.90	
		<i>For Class 54 Rating, Add</i>	100.46	
		<i>For Class 55 Rating, Add</i>	151.29	
		<i>For Class 56 Rating, Add</i>	201.48	
40 05 19 00-1080	EA	6" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,007.32	210.40
		<i>For Class 52 Rating, Deduct</i>	-75.74	
		<i>For Class 54 Rating, Add</i>	107.10	
		<i>For Class 55 Rating, Add</i>	161.19	
		<i>For Class 56 Rating, Add</i>	214.59	
40 05 19 00-1081	EA	6" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,055.19	212.98
		<i>For Class 52 Rating, Deduct</i>	-80.58	
		<i>For Class 54 Rating, Add</i>	113.75	
		<i>For Class 55 Rating, Add</i>	171.09	
		<i>For Class 56 Rating, Add</i>	227.71	
40 05 19 00-1082	EA	6" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,103.06	215.53
		<i>For Class 52 Rating, Deduct</i>	-85.41	
		<i>For Class 54 Rating, Add</i>	120.39	
		<i>For Class 55 Rating, Add</i>	180.99	
		<i>For Class 56 Rating, Add</i>	240.82	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1083	EA		6" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,150.93	218.10
			Pipe .....	1,150.93	
			For Class 52 Rating, Deduct	-90.25	
			For Class 54 Rating, Add	127.04	
			For Class 55 Rating, Add	190.90	
			For Class 56 Rating, Add	253.94	
40 05 19 00-1084	EA		6" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,198.80	220.67
			Pipe .....	1,198.80	
			For Class 52 Rating, Deduct	-95.09	
			For Class 54 Rating, Add	133.68	
			For Class 55 Rating, Add	200.80	
			For Class 56 Rating, Add	267.05	
40 05 19 00-1085	EA		6" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,246.66	223.24
			Pipe .....	1,246.66	
			For Class 52 Rating, Deduct	-99.93	
			For Class 54 Rating, Add	140.32	
			For Class 55 Rating, Add	210.70	
			For Class 56 Rating, Add	280.16	
40 05 19 00-1086	EA		6" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,294.52	225.80
			Pipe .....	1,294.52	
			For Class 52 Rating, Deduct	-104.76	
			For Class 54 Rating, Add	146.97	
			For Class 55 Rating, Add	220.60	
			For Class 56 Rating, Add	293.27	
40 05 19 00-1087	EA		6" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,342.39	228.36
			Pipe .....	1,342.39	
			For Class 52 Rating, Deduct	-109.60	
			For Class 54 Rating, Add	153.61	
			For Class 55 Rating, Add	230.50	
			For Class 56 Rating, Add	306.39	
40 05 19 00-1088	EA		6" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,390.26	230.94
			Pipe .....	1,390.26	
			For Class 52 Rating, Deduct	-114.44	
			For Class 54 Rating, Add	160.25	
			For Class 55 Rating, Add	240.40	
			For Class 56 Rating, Add	319.50	
40 05 19 00-1089	EA		6" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,438.13	233.50
			Pipe .....	1,438.13	
			For Class 52 Rating, Deduct	-119.28	
			For Class 54 Rating, Add	166.90	
			For Class 55 Rating, Add	250.30	
			For Class 56 Rating, Add	332.62	
40 05 19 00-1090	EA		6" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,486.00	236.06
			Pipe .....	1,486.00	
			For Class 52 Rating, Deduct	-124.12	
			For Class 54 Rating, Add	173.54	
			For Class 55 Rating, Add	260.20	
			For Class 56 Rating, Add	345.73	
40 05 19 00-1091	EA		6" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,533.86	238.63
			Pipe .....	1,533.86	
			For Class 52 Rating, Deduct	-128.95	
			For Class 54 Rating, Add	180.18	
			For Class 55 Rating, Add	270.10	
			For Class 56 Rating, Add	358.84	
40 05 19 00-1092	EA		6" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,581.72	241.20
			Pipe .....	1,581.72	
			For Class 52 Rating, Deduct	-133.79	
			For Class 54 Rating, Add	186.83	
			For Class 55 Rating, Add	280.00	
			For Class 56 Rating, Add	371.96	
40 05 19 00-1093	EA		6" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,629.58	243.75
			Pipe .....	1,629.58	
			For Class 52 Rating, Deduct	-138.63	
			For Class 54 Rating, Add	193.47	
			For Class 55 Rating, Add	289.90	
			For Class 56 Rating, Add	385.07	
40 05 19 00-1094	EA		6" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,677.45	246.33
			Pipe .....	1,677.45	
			For Class 52 Rating, Deduct	-143.47	
			For Class 54 Rating, Add	200.11	
			For Class 55 Rating, Add	299.80	
			For Class 56 Rating, Add	398.18	
40 05 19 00-1095	EA		6" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,725.32	248.90
			Pipe .....	1,725.32	
			For Class 52 Rating, Deduct	-148.30	
			For Class 54 Rating, Add	206.76	
			For Class 55 Rating, Add	309.70	
			For Class 56 Rating, Add	411.30	
40 05 19 00-1096	EA		6" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,773.19	251.46
			Pipe .....	1,773.19	
			For Class 52 Rating, Deduct	-153.14	
			For Class 54 Rating, Add	213.40	
			For Class 55 Rating, Add	319.60	
			For Class 56 Rating, Add	424.41	
40 05 19 00-1097	EA		6" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,821.05	254.03
			Pipe .....	1,821.05	
			For Class 52 Rating, Deduct	-157.98	
			For Class 54 Rating, Add	220.04	
			For Class 55 Rating, Add	329.50	
			For Class 56 Rating, Add	437.52	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

40 05 19 00-1098	EA	6" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,868.92	256.59
		<i>For Class 52 Rating, Deduct</i>	-162.82	
		<i>For Class 54 Rating, Add</i>	226.69	
		<i>For Class 55 Rating, Add</i>	339.40	
		<i>For Class 56 Rating, Add</i>	450.64	
40 05 19 00-1099	EA	6" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,916.79	259.16
		<i>For Class 52 Rating, Deduct</i>	-167.65	
		<i>For Class 54 Rating, Add</i>	233.33	
		<i>For Class 55 Rating, Add</i>	349.30	
		<i>For Class 56 Rating, Add</i>	463.75	
40 05 19 00-1100	EA	6" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,964.65	261.72
		<i>For Class 52 Rating, Deduct</i>	-172.49	
		<i>For Class 54 Rating, Add</i>	239.97	
		<i>For Class 55 Rating, Add</i>	359.20	
		<i>For Class 56 Rating, Add</i>	476.87	
40 05 19 00-1101	EA	6" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,012.52	264.29
		<i>For Class 52 Rating, Deduct</i>	-177.33	
		<i>For Class 54 Rating, Add</i>	246.62	
		<i>For Class 55 Rating, Add</i>	369.10	
		<i>For Class 56 Rating, Add</i>	489.98	
40 05 19 00-1102	EA	6" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,060.38	266.85
		<i>For Class 52 Rating, Deduct</i>	-182.17	
		<i>For Class 54 Rating, Add</i>	253.26	
		<i>For Class 55 Rating, Add</i>	379.01	
		<i>For Class 56 Rating, Add</i>	503.09	
40 05 19 00-1103	EA	6" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,108.24	269.43
		<i>For Class 52 Rating, Deduct</i>	-187.00	
		<i>For Class 54 Rating, Add</i>	259.90	
		<i>For Class 55 Rating, Add</i>	388.90	
		<i>For Class 56 Rating, Add</i>	516.20	
40 05 19 00-1104	EA	6" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,156.11	271.99
		<i>For Class 52 Rating, Deduct</i>	-191.84	
		<i>For Class 54 Rating, Add</i>	266.55	
		<i>For Class 55 Rating, Add</i>	398.80	
		<i>For Class 56 Rating, Add</i>	529.32	
40 05 19 00-1105	EA	6" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,203.98	274.55
		<i>For Class 52 Rating, Deduct</i>	-196.68	
		<i>For Class 54 Rating, Add</i>	273.19	
		<i>For Class 55 Rating, Add</i>	408.71	
		<i>For Class 56 Rating, Add</i>	542.43	
40 05 19 00-1106	EA	6" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,251.85	277.13
		<i>For Class 52 Rating, Deduct</i>	-201.52	
		<i>For Class 54 Rating, Add</i>	279.83	
		<i>For Class 55 Rating, Add</i>	418.61	
		<i>For Class 56 Rating, Add</i>	555.55	
40 05 19 00-1107	EA	6" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,299.72	279.68
		<i>For Class 52 Rating, Deduct</i>	-206.35	
		<i>For Class 54 Rating, Add</i>	286.48	
		<i>For Class 55 Rating, Add</i>	428.51	
		<i>For Class 56 Rating, Add</i>	568.66	
40 05 19 00-1108	EA	6" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,347.57	282.25
		<i>For Class 52 Rating, Deduct</i>	-211.19	
		<i>For Class 54 Rating, Add</i>	293.12	
		<i>For Class 55 Rating, Add</i>	438.41	
		<i>For Class 56 Rating, Add</i>	581.77	
40 05 19 00-1109		8" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1110	EA	8" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	719.13	236.06
		<i>For Class 52 Rating, Deduct</i>	-39.76	
		<i>For Class 54 Rating, Add</i>	58.51	
		<i>For Class 55 Rating, Add</i>	89.19	
		<i>For Class 56 Rating, Add</i>	119.50	
40 05 19 00-1111	EA	8" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	783.48	238.63
		<i>For Class 52 Rating, Deduct</i>	-46.41	
		<i>For Class 54 Rating, Add</i>	67.63	
		<i>For Class 55 Rating, Add</i>	102.77	
		<i>For Class 56 Rating, Add</i>	137.48	
40 05 19 00-1112	EA	8" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	847.84	241.20
		<i>For Class 52 Rating, Deduct</i>	-53.06	
		<i>For Class 54 Rating, Add</i>	76.74	
		<i>For Class 55 Rating, Add</i>	116.34	
		<i>For Class 56 Rating, Add</i>	155.46	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1113	EA		8" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	912.19	243.75
			Pipe .....		
			For Class 52 Rating, Deduct	-59.71	
			For Class 54 Rating, Add	85.86	
			For Class 55 Rating, Add	129.92	
			For Class 56 Rating, Add	173.44	
40 05 19 00-1114	EA		8" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	976.55	246.33
			Pipe .....		
			For Class 52 Rating, Deduct	-66.37	
			For Class 54 Rating, Add	94.98	
			For Class 55 Rating, Add	143.50	
			For Class 56 Rating, Add	191.42	
40 05 19 00-1115	EA		8" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,040.91	248.90
			Pipe .....		
			For Class 52 Rating, Deduct	-73.02	
			For Class 54 Rating, Add	104.10	
			For Class 55 Rating, Add	157.08	
			For Class 56 Rating, Add	209.40	
40 05 19 00-1116	EA		8" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,105.27	251.46
			Pipe .....		
			For Class 52 Rating, Deduct	-79.67	
			For Class 54 Rating, Add	113.21	
			For Class 55 Rating, Add	170.66	
			For Class 56 Rating, Add	227.38	
40 05 19 00-1117	EA		8" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,169.63	254.03
			Pipe .....		
			For Class 52 Rating, Deduct	-86.32	
			For Class 54 Rating, Add	122.33	
			For Class 55 Rating, Add	184.23	
			For Class 56 Rating, Add	245.35	
40 05 19 00-1118	EA		8" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,233.99	256.59
			Pipe .....		
			For Class 52 Rating, Deduct	-92.97	
			For Class 54 Rating, Add	131.45	
			For Class 55 Rating, Add	197.81	
			For Class 56 Rating, Add	263.33	
40 05 19 00-1119	EA		8" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,298.35	259.16
			Pipe .....		
			For Class 52 Rating, Deduct	-99.62	
			For Class 54 Rating, Add	140.56	
			For Class 55 Rating, Add	211.39	
			For Class 56 Rating, Add	281.31	
40 05 19 00-1120	EA		8" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,362.70	261.72
			Pipe .....		
			For Class 52 Rating, Deduct	-106.28	
			For Class 54 Rating, Add	149.68	
			For Class 55 Rating, Add	224.97	
			For Class 56 Rating, Add	299.29	
40 05 19 00-1121	EA		8" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,427.06	264.29
			Pipe .....		
			For Class 52 Rating, Deduct	-112.93	
			For Class 54 Rating, Add	158.80	
			For Class 55 Rating, Add	238.55	
			For Class 56 Rating, Add	317.27	
40 05 19 00-1122	EA		8" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,491.41	266.85
			Pipe .....		
			For Class 52 Rating, Deduct	-119.58	
			For Class 54 Rating, Add	167.92	
			For Class 55 Rating, Add	252.12	
			For Class 56 Rating, Add	335.25	
40 05 19 00-1123	EA		8" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,555.77	269.43
			Pipe .....		
			For Class 52 Rating, Deduct	-126.23	
			For Class 54 Rating, Add	177.03	
			For Class 55 Rating, Add	265.70	
			For Class 56 Rating, Add	353.23	
40 05 19 00-1124	EA		8" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,620.13	271.99
			Pipe .....		
			For Class 52 Rating, Deduct	-132.88	
			For Class 54 Rating, Add	186.15	
			For Class 55 Rating, Add	279.28	
			For Class 56 Rating, Add	371.20	
40 05 19 00-1125	EA		8" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,684.49	274.55
			Pipe .....		
			For Class 52 Rating, Deduct	-139.54	
			For Class 54 Rating, Add	195.27	
			For Class 55 Rating, Add	292.86	
			For Class 56 Rating, Add	389.18	
40 05 19 00-1126	EA		8" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,748.85	277.13
			Pipe .....		
			For Class 52 Rating, Deduct	-146.19	
			For Class 54 Rating, Add	204.38	
			For Class 55 Rating, Add	306.44	
			For Class 56 Rating, Add	407.16	
40 05 19 00-1127	EA		8" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,813.21	279.68
			Pipe .....		
			For Class 52 Rating, Deduct	-152.84	
			For Class 54 Rating, Add	213.50	
			For Class 55 Rating, Add	320.02	
			For Class 56 Rating, Add	425.14	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

40 05 19 00-1128	EA	8" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,877.56	282.25
		<i>For Class 52 Rating, Deduct</i>	-159.49	
		<i>For Class 54 Rating, Add</i>	222.62	
		<i>For Class 55 Rating, Add</i>	333.59	
		<i>For Class 56 Rating, Add</i>	443.12	
40 05 19 00-1129	EA	8" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,941.92	284.81
		<i>For Class 52 Rating, Deduct</i>	-166.14	
		<i>For Class 54 Rating, Add</i>	231.74	
		<i>For Class 55 Rating, Add</i>	347.17	
		<i>For Class 56 Rating, Add</i>	461.10	
40 05 19 00-1130	EA	8" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,006.28	287.39
		<i>For Class 52 Rating, Deduct</i>	-172.79	
		<i>For Class 54 Rating, Add</i>	240.85	
		<i>For Class 55 Rating, Add</i>	360.75	
		<i>For Class 56 Rating, Add</i>	479.08	
40 05 19 00-1131	EA	8" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,070.64	289.94
		<i>For Class 52 Rating, Deduct</i>	-179.45	
		<i>For Class 54 Rating, Add</i>	249.97	
		<i>For Class 55 Rating, Add</i>	374.33	
		<i>For Class 56 Rating, Add</i>	497.05	
40 05 19 00-1132	EA	8" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,135.00	292.51
		<i>For Class 52 Rating, Deduct</i>	-186.10	
		<i>For Class 54 Rating, Add</i>	259.09	
		<i>For Class 55 Rating, Add</i>	387.91	
		<i>For Class 56 Rating, Add</i>	515.03	
40 05 19 00-1133	EA	8" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,199.35	295.09
		<i>For Class 52 Rating, Deduct</i>	-192.75	
		<i>For Class 54 Rating, Add</i>	268.20	
		<i>For Class 55 Rating, Add</i>	401.48	
		<i>For Class 56 Rating, Add</i>	533.01	
40 05 19 00-1134	EA	8" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,263.71	297.65
		<i>For Class 52 Rating, Deduct</i>	-199.40	
		<i>For Class 54 Rating, Add</i>	277.32	
		<i>For Class 55 Rating, Add</i>	415.06	
		<i>For Class 56 Rating, Add</i>	550.99	
40 05 19 00-1135	EA	8" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,328.06	300.21
		<i>For Class 52 Rating, Deduct</i>	-206.05	
		<i>For Class 54 Rating, Add</i>	286.44	
		<i>For Class 55 Rating, Add</i>	428.64	
		<i>For Class 56 Rating, Add</i>	568.97	
40 05 19 00-1136	EA	8" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,392.42	302.78
		<i>For Class 52 Rating, Deduct</i>	-212.70	
		<i>For Class 54 Rating, Add</i>	295.56	
		<i>For Class 55 Rating, Add</i>	442.22	
		<i>For Class 56 Rating, Add</i>	586.95	
40 05 19 00-1137	EA	8" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,456.78	305.35
		<i>For Class 52 Rating, Deduct</i>	-219.36	
		<i>For Class 54 Rating, Add</i>	304.67	
		<i>For Class 55 Rating, Add</i>	455.80	
		<i>For Class 56 Rating, Add</i>	604.93	
40 05 19 00-1138	EA	8" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,521.14	307.90
		<i>For Class 52 Rating, Deduct</i>	-226.01	
		<i>For Class 54 Rating, Add</i>	313.79	
		<i>For Class 55 Rating, Add</i>	469.37	
		<i>For Class 56 Rating, Add</i>	622.91	
40 05 19 00-1139	EA	8" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,585.50	310.48
		<i>For Class 52 Rating, Deduct</i>	-232.66	
		<i>For Class 54 Rating, Add</i>	322.91	
		<i>For Class 55 Rating, Add</i>	482.95	
		<i>For Class 56 Rating, Add</i>	640.88	
40 05 19 00-1140	EA	8" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,649.86	313.04
		<i>For Class 52 Rating, Deduct</i>	-239.31	
		<i>For Class 54 Rating, Add</i>	332.02	
		<i>For Class 55 Rating, Add</i>	496.53	
		<i>For Class 56 Rating, Add</i>	658.86	
40 05 19 00-1141	EA	8" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,714.22	315.61
		<i>For Class 52 Rating, Deduct</i>	-245.96	
		<i>For Class 54 Rating, Add</i>	341.14	
		<i>For Class 55 Rating, Add</i>	510.11	
		<i>For Class 56 Rating, Add</i>	676.84	
40 05 19 00-1142	EA	8" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,778.58	318.18
		<i>For Class 52 Rating, Deduct</i>	-252.61	
		<i>For Class 54 Rating, Add</i>	350.26	
		<i>For Class 55 Rating, Add</i>	523.69	
		<i>For Class 56 Rating, Add</i>	694.82	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1143 EA 8" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,842.93	320.74
<i>For Class 52 Rating, Deduct</i>	-259.27	
<i>For Class 54 Rating, Add</i>	359.38	
<i>For Class 55 Rating, Add</i>	537.27	
<i>For Class 56 Rating, Add</i>	712.80	
40 05 19 00-1144 EA 8" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,907.28	323.31
<i>For Class 52 Rating, Deduct</i>	-265.92	
<i>For Class 54 Rating, Add</i>	368.49	
<i>For Class 55 Rating, Add</i>	550.84	
<i>For Class 56 Rating, Add</i>	730.78	
40 05 19 00-1145 EA 8" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,971.64	325.86
<i>For Class 52 Rating, Deduct</i>	-272.57	
<i>For Class 54 Rating, Add</i>	377.61	
<i>For Class 55 Rating, Add</i>	564.42	
<i>For Class 56 Rating, Add</i>	748.76	
40 05 19 00-1146 EA 8" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,036.00	328.44
<i>For Class 52 Rating, Deduct</i>	-279.22	
<i>For Class 54 Rating, Add</i>	386.73	
<i>For Class 55 Rating, Add</i>	578.00	
<i>For Class 56 Rating, Add</i>	766.73	
40 05 19 00-1147 EA 8" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,100.36	331.00
<i>For Class 52 Rating, Deduct</i>	-285.87	
<i>For Class 54 Rating, Add</i>	395.84	
<i>For Class 55 Rating, Add</i>	591.58	
<i>For Class 56 Rating, Add</i>	784.71	
40 05 19 00-1148 EA 8" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,164.72	333.58
<i>For Class 52 Rating, Deduct</i>	-292.52	
<i>For Class 54 Rating, Add</i>	404.96	
<i>For Class 55 Rating, Add</i>	605.16	
<i>For Class 56 Rating, Add</i>	802.69	
<b>40 05 19 00-1149 10" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-1028)</small>		
40 05 19 00-1150 EA 10" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	901.32	287.39
<i>For Class 52 Rating, Deduct</i>	-51.25	
<i>For Class 54 Rating, Add</i>	75.11	
<i>For Class 55 Rating, Add</i>	114.34	
<i>For Class 56 Rating, Add</i>	153.11	
40 05 19 00-1151 EA 10" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	984.92	289.94
<i>For Class 52 Rating, Deduct</i>	-60.02	
<i>For Class 54 Rating, Add</i>	87.11	
<i>For Class 55 Rating, Add</i>	132.21	
<i>For Class 56 Rating, Add</i>	176.77	
40 05 19 00-1152 EA 10" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,068.53	292.51
<i>For Class 52 Rating, Deduct</i>	-68.79	
<i>For Class 54 Rating, Add</i>	99.12	
<i>For Class 55 Rating, Add</i>	150.08	
<i>For Class 56 Rating, Add</i>	200.42	
40 05 19 00-1153 EA 10" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,152.12	295.09
<i>For Class 52 Rating, Deduct</i>	-77.55	
<i>For Class 54 Rating, Add</i>	111.12	
<i>For Class 55 Rating, Add</i>	167.95	
<i>For Class 56 Rating, Add</i>	224.08	
40 05 19 00-1154 EA 10" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,235.72	297.65
<i>For Class 52 Rating, Deduct</i>	-86.32	
<i>For Class 54 Rating, Add</i>	123.12	
<i>For Class 55 Rating, Add</i>	185.82	
<i>For Class 56 Rating, Add</i>	247.73	
40 05 19 00-1155 EA 10" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,319.31	300.21
<i>For Class 52 Rating, Deduct</i>	-95.09	
<i>For Class 54 Rating, Add</i>	135.13	
<i>For Class 55 Rating, Add</i>	203.69	
<i>For Class 56 Rating, Add</i>	271.39	
40 05 19 00-1156 EA 10" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,402.91	302.78
<i>For Class 52 Rating, Deduct</i>	-103.86	
<i>For Class 54 Rating, Add</i>	147.13	
<i>For Class 55 Rating, Add</i>	221.56	
<i>For Class 56 Rating, Add</i>	295.04	
40 05 19 00-1157 EA 10" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,486.51	305.35
<i>For Class 52 Rating, Deduct</i>	-112.63	
<i>For Class 54 Rating, Add</i>	159.13	
<i>For Class 55 Rating, Add</i>	239.43	
<i>For Class 56 Rating, Add</i>	318.70	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
40 05 19 00-1158	EA	10" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,570.11		307.90
		<i>For Class 52 Rating, Deduct</i>	-121.39		
		<i>For Class 54 Rating, Add</i>	171.14		
		<i>For Class 55 Rating, Add</i>	257.30		
		<i>For Class 56 Rating, Add</i>	342.35		
40 05 19 00-1159	EA	10" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,653.71		310.48
		<i>For Class 52 Rating, Deduct</i>	-130.16		
		<i>For Class 54 Rating, Add</i>	183.14		
		<i>For Class 55 Rating, Add</i>	275.16		
		<i>For Class 56 Rating, Add</i>	366.01		
40 05 19 00-1160	EA	10" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,737.31		313.04
		<i>For Class 52 Rating, Deduct</i>	-138.93		
		<i>For Class 54 Rating, Add</i>	195.14		
		<i>For Class 55 Rating, Add</i>	293.03		
		<i>For Class 56 Rating, Add</i>	389.66		
40 05 19 00-1161	EA	10" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,820.91		315.61
		<i>For Class 52 Rating, Deduct</i>	-147.70		
		<i>For Class 54 Rating, Add</i>	207.14		
		<i>For Class 55 Rating, Add</i>	310.90		
		<i>For Class 56 Rating, Add</i>	413.31		
40 05 19 00-1162	EA	10" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,904.51		318.18
		<i>For Class 52 Rating, Deduct</i>	-156.47		
		<i>For Class 54 Rating, Add</i>	219.15		
		<i>For Class 55 Rating, Add</i>	328.77		
		<i>For Class 56 Rating, Add</i>	436.97		
40 05 19 00-1163	EA	10" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,988.10		320.74
		<i>For Class 52 Rating, Deduct</i>	-165.23		
		<i>For Class 54 Rating, Add</i>	231.15		
		<i>For Class 55 Rating, Add</i>	346.64		
		<i>For Class 56 Rating, Add</i>	460.62		
40 05 19 00-1164	EA	10" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,071.69		323.31
		<i>For Class 52 Rating, Deduct</i>	-174.00		
		<i>For Class 54 Rating, Add</i>	243.15		
		<i>For Class 55 Rating, Add</i>	364.51		
		<i>For Class 56 Rating, Add</i>	484.28		
40 05 19 00-1165	EA	10" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,155.29		325.86
		<i>For Class 52 Rating, Deduct</i>	-182.77		
		<i>For Class 54 Rating, Add</i>	255.16		
		<i>For Class 55 Rating, Add</i>	382.38		
		<i>For Class 56 Rating, Add</i>	507.93		
40 05 19 00-1166	EA	10" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,238.89		328.44
		<i>For Class 52 Rating, Deduct</i>	-191.54		
		<i>For Class 54 Rating, Add</i>	267.16		
		<i>For Class 55 Rating, Add</i>	400.24		
		<i>For Class 56 Rating, Add</i>	531.59		
40 05 19 00-1167	EA	10" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,322.49		331.00
		<i>For Class 52 Rating, Deduct</i>	-200.31		
		<i>For Class 54 Rating, Add</i>	279.16		
		<i>For Class 55 Rating, Add</i>	418.11		
		<i>For Class 56 Rating, Add</i>	555.24		
40 05 19 00-1168	EA	10" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,406.09		333.58
		<i>For Class 52 Rating, Deduct</i>	-209.07		
		<i>For Class 54 Rating, Add</i>	291.17		
		<i>For Class 55 Rating, Add</i>	435.98		
		<i>For Class 56 Rating, Add</i>	578.90		
40 05 19 00-1169	EA	10" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,489.70		336.13
		<i>For Class 52 Rating, Deduct</i>	-217.84		
		<i>For Class 54 Rating, Add</i>	303.17		
		<i>For Class 55 Rating, Add</i>	453.85		
		<i>For Class 56 Rating, Add</i>	602.55		
40 05 19 00-1170	EA	10" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,573.29		338.70
		<i>For Class 52 Rating, Deduct</i>	-226.61		
		<i>For Class 54 Rating, Add</i>	315.17		
		<i>For Class 55 Rating, Add</i>	471.72		
		<i>For Class 56 Rating, Add</i>	626.21		
40 05 19 00-1171	EA	10" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,656.89		341.26
		<i>For Class 52 Rating, Deduct</i>	-235.38		
		<i>For Class 54 Rating, Add</i>	327.18		
		<i>For Class 55 Rating, Add</i>	489.59		
		<i>For Class 56 Rating, Add</i>	649.86		
40 05 19 00-1172	EA	10" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,740.49		343.83
		<i>For Class 52 Rating, Deduct</i>	-244.15		
		<i>For Class 54 Rating, Add</i>	339.18		
		<i>For Class 55 Rating, Add</i>	507.46		
		<i>For Class 56 Rating, Add</i>	673.52		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1173	EA		10" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,824.09	346.40
			<i>For Class 52 Rating, Deduct</i>	-252.92	
			<i>For Class 54 Rating, Add</i>	351.18	
			<i>For Class 55 Rating, Add</i>	525.33	
			<i>For Class 56 Rating, Add</i>	697.17	
40 05 19 00-1174	EA		10" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,907.68	348.96
			<i>For Class 52 Rating, Deduct</i>	-261.68	
			<i>For Class 54 Rating, Add</i>	363.19	
			<i>For Class 55 Rating, Add</i>	543.20	
			<i>For Class 56 Rating, Add</i>	720.82	
40 05 19 00-1175	EA		10" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,991.28	351.54
			<i>For Class 52 Rating, Deduct</i>	-270.45	
			<i>For Class 54 Rating, Add</i>	375.19	
			<i>For Class 55 Rating, Add</i>	561.06	
			<i>For Class 56 Rating, Add</i>	744.48	
40 05 19 00-1176	EA		10" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,074.88	354.09
			<i>For Class 52 Rating, Deduct</i>	-279.22	
			<i>For Class 54 Rating, Add</i>	387.19	
			<i>For Class 55 Rating, Add</i>	578.93	
			<i>For Class 56 Rating, Add</i>	768.13	
40 05 19 00-1177	EA		10" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,158.48	356.66
			<i>For Class 52 Rating, Deduct</i>	-287.99	
			<i>For Class 54 Rating, Add</i>	399.20	
			<i>For Class 55 Rating, Add</i>	596.80	
			<i>For Class 56 Rating, Add</i>	791.79	
40 05 19 00-1178	EA		10" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,242.07	359.23
			<i>For Class 52 Rating, Deduct</i>	-296.76	
			<i>For Class 54 Rating, Add</i>	411.20	
			<i>For Class 55 Rating, Add</i>	614.67	
			<i>For Class 56 Rating, Add</i>	815.44	
40 05 19 00-1179	EA		10" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,325.67	361.80
			<i>For Class 52 Rating, Deduct</i>	-305.53	
			<i>For Class 54 Rating, Add</i>	423.20	
			<i>For Class 55 Rating, Add</i>	632.54	
			<i>For Class 56 Rating, Add</i>	839.10	
40 05 19 00-1180	EA		10" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,409.27	364.35
			<i>For Class 52 Rating, Deduct</i>	-314.29	
			<i>For Class 54 Rating, Add</i>	435.21	
			<i>For Class 55 Rating, Add</i>	650.41	
			<i>For Class 56 Rating, Add</i>	862.75	
40 05 19 00-1181	EA		10" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,492.87	366.93
			<i>For Class 52 Rating, Deduct</i>	-323.06	
			<i>For Class 54 Rating, Add</i>	447.21	
			<i>For Class 55 Rating, Add</i>	668.28	
			<i>For Class 56 Rating, Add</i>	886.41	
40 05 19 00-1182	EA		10" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,576.47	369.50
			<i>For Class 52 Rating, Deduct</i>	-331.83	
			<i>For Class 54 Rating, Add</i>	459.21	
			<i>For Class 55 Rating, Add</i>	686.14	
			<i>For Class 56 Rating, Add</i>	910.06	
40 05 19 00-1183	EA		10" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,660.07	372.05
			<i>For Class 52 Rating, Deduct</i>	-340.60	
			<i>For Class 54 Rating, Add</i>	471.22	
			<i>For Class 55 Rating, Add</i>	704.01	
			<i>For Class 56 Rating, Add</i>	933.71	
40 05 19 00-1184	EA		10" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,743.67	374.63
			<i>For Class 52 Rating, Deduct</i>	-349.37	
			<i>For Class 54 Rating, Add</i>	483.22	
			<i>For Class 55 Rating, Add</i>	721.88	
			<i>For Class 56 Rating, Add</i>	957.37	
40 05 19 00-1185	EA		10" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,827.26	377.19
			<i>For Class 52 Rating, Deduct</i>	-358.13	
			<i>For Class 54 Rating, Add</i>	495.22	
			<i>For Class 55 Rating, Add</i>	739.75	
			<i>For Class 56 Rating, Add</i>	981.02	
40 05 19 00-1186	EA		10" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,910.85	379.76
			<i>For Class 52 Rating, Deduct</i>	-366.90	
			<i>For Class 54 Rating, Add</i>	507.23	
			<i>For Class 55 Rating, Add</i>	757.62	
			<i>For Class 56 Rating, Add</i>	1,004.68	
40 05 19 00-1187	EA		10" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,994.46	382.32
			<i>For Class 52 Rating, Deduct</i>	-375.67	
			<i>For Class 54 Rating, Add</i>	519.23	
			<i>For Class 55 Rating, Add</i>	775.49	
			<i>For Class 56 Rating, Add</i>	1,028.33	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

40 05 19 00-1188	EA	10" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,078.06	384.89
		<i>For Class 52 Rating, Deduct</i> .....	-384.44	
		<i>For Class 54 Rating, Add</i> .....	531.23	
		<i>For Class 55 Rating, Add</i> .....	793.36	
		<i>For Class 56 Rating, Add</i> .....	1,051.99	

**40 05 19 00-1189 12" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe**

(40 05 19 00-1028)

40 05 19 00-1190	EA	12" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,165.47	359.23
		<i>For Class 52 Rating, Deduct</i> .....	-68.33	
		<i>For Class 54 Rating, Add</i> .....	99.71	
		<i>For Class 55 Rating, Add</i> .....	151.59	
		<i>For Class 56 Rating, Add</i> .....	202.85	
40 05 19 00-1191	EA	12" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,269.69	361.80
		<i>For Class 52 Rating, Deduct</i> .....	-79.37	
		<i>For Class 54 Rating, Add</i> .....	114.81	
		<i>For Class 55 Rating, Add</i> .....	174.06	
		<i>For Class 56 Rating, Add</i> .....	232.58	
40 05 19 00-1192	EA	12" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,373.90	364.35
		<i>For Class 52 Rating, Deduct</i> .....	-90.40	
		<i>For Class 54 Rating, Add</i> .....	129.90	
		<i>For Class 55 Rating, Add</i> .....	196.52	
		<i>For Class 56 Rating, Add</i> .....	262.32	
40 05 19 00-1193	EA	12" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,478.12	366.93
		<i>For Class 52 Rating, Deduct</i> .....	-101.44	
		<i>For Class 54 Rating, Add</i> .....	145.00	
		<i>For Class 55 Rating, Add</i> .....	218.99	
		<i>For Class 56 Rating, Add</i> .....	292.05	
40 05 19 00-1194	EA	12" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,582.33	369.50
		<i>For Class 52 Rating, Deduct</i> .....	-112.47	
		<i>For Class 54 Rating, Add</i> .....	160.09	
		<i>For Class 55 Rating, Add</i> .....	241.45	
		<i>For Class 56 Rating, Add</i> .....	321.79	
40 05 19 00-1195	EA	12" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,686.55	372.05
		<i>For Class 52 Rating, Deduct</i> .....	-123.51	
		<i>For Class 54 Rating, Add</i> .....	175.19	
		<i>For Class 55 Rating, Add</i> .....	263.92	
		<i>For Class 56 Rating, Add</i> .....	351.53	
40 05 19 00-1196	EA	12" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,790.76	374.63
		<i>For Class 52 Rating, Deduct</i> .....	-134.55	
		<i>For Class 54 Rating, Add</i> .....	190.28	
		<i>For Class 55 Rating, Add</i> .....	286.38	
		<i>For Class 56 Rating, Add</i> .....	381.26	
40 05 19 00-1197	EA	12" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,894.97	377.19
		<i>For Class 52 Rating, Deduct</i> .....	-145.58	
		<i>For Class 54 Rating, Add</i> .....	205.38	
		<i>For Class 55 Rating, Add</i> .....	308.85	
		<i>For Class 56 Rating, Add</i> .....	411.00	
40 05 19 00-1198	EA	12" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,999.18	379.76
		<i>For Class 52 Rating, Deduct</i> .....	-156.62	
		<i>For Class 54 Rating, Add</i> .....	220.47	
		<i>For Class 55 Rating, Add</i> .....	331.32	
		<i>For Class 56 Rating, Add</i> .....	440.73	
40 05 19 00-1199	EA	12" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,103.39	382.32
		<i>For Class 52 Rating, Deduct</i> .....	-167.65	
		<i>For Class 54 Rating, Add</i> .....	235.57	
		<i>For Class 55 Rating, Add</i> .....	353.78	
		<i>For Class 56 Rating, Add</i> .....	470.47	
40 05 19 00-1200	EA	12" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,207.61	384.89
		<i>For Class 52 Rating, Deduct</i> .....	-178.69	
		<i>For Class 54 Rating, Add</i> .....	250.67	
		<i>For Class 55 Rating, Add</i> .....	376.25	
		<i>For Class 56 Rating, Add</i> .....	500.21	
40 05 19 00-1201	EA	12" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,311.82	387.45
		<i>For Class 52 Rating, Deduct</i> .....	-189.72	
		<i>For Class 54 Rating, Add</i> .....	265.76	
		<i>For Class 55 Rating, Add</i> .....	398.71	
		<i>For Class 56 Rating, Add</i> .....	529.94	
40 05 19 00-1202	EA	12" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,416.04	390.01
		<i>For Class 52 Rating, Deduct</i> .....	-200.76	
		<i>For Class 54 Rating, Add</i> .....	280.86	
		<i>For Class 55 Rating, Add</i> .....	421.18	
		<i>For Class 56 Rating, Add</i> .....	559.68	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1203	EA		12" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,520.25	392.59
			For Class 52 Rating, Deduct	-211.80	
			For Class 54 Rating, Add	295.95	
			For Class 55 Rating, Add	443.64	
			For Class 56 Rating, Add	589.41	
40 05 19 00-1204	EA		12" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,624.47	395.15
			For Class 52 Rating, Deduct	-222.83	
			For Class 54 Rating, Add	311.05	
			For Class 55 Rating, Add	466.11	
			For Class 56 Rating, Add	619.15	
40 05 19 00-1205	EA		12" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,728.67	397.73
			For Class 52 Rating, Deduct	-233.87	
			For Class 54 Rating, Add	326.14	
			For Class 55 Rating, Add	488.58	
			For Class 56 Rating, Add	648.88	
40 05 19 00-1206	EA		12" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,832.89	400.28
			For Class 52 Rating, Deduct	-244.90	
			For Class 54 Rating, Add	341.24	
			For Class 55 Rating, Add	511.04	
			For Class 56 Rating, Add	678.62	
40 05 19 00-1207	EA		12" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,937.10	402.85
			For Class 52 Rating, Deduct	-255.94	
			For Class 54 Rating, Add	356.33	
			For Class 55 Rating, Add	533.51	
			For Class 56 Rating, Add	708.36	
40 05 19 00-1208	EA		12" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,041.31	405.41
			For Class 52 Rating, Deduct	-266.98	
			For Class 54 Rating, Add	371.43	
			For Class 55 Rating, Add	555.97	
			For Class 56 Rating, Add	738.09	
40 05 19 00-1209	EA		12" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,145.52	407.98
			For Class 52 Rating, Deduct	-278.01	
			For Class 54 Rating, Add	386.52	
			For Class 55 Rating, Add	578.44	
			For Class 56 Rating, Add	767.83	
40 05 19 00-1210	EA		12" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,249.74	410.54
			For Class 52 Rating, Deduct	-289.05	
			For Class 54 Rating, Add	401.62	
			For Class 55 Rating, Add	600.91	
			For Class 56 Rating, Add	797.56	
40 05 19 00-1211	EA		12" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,353.96	413.11
			For Class 52 Rating, Deduct	-300.08	
			For Class 54 Rating, Add	416.72	
			For Class 55 Rating, Add	623.37	
			For Class 56 Rating, Add	827.30	
40 05 19 00-1212	EA		12" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,458.17	415.69
			For Class 52 Rating, Deduct	-311.12	
			For Class 54 Rating, Add	431.81	
			For Class 55 Rating, Add	645.84	
			For Class 56 Rating, Add	857.04	
40 05 19 00-1213	EA		12" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,562.38	418.24
			For Class 52 Rating, Deduct	-322.15	
			For Class 54 Rating, Add	446.91	
			For Class 55 Rating, Add	668.30	
			For Class 56 Rating, Add	886.77	
40 05 19 00-1214	EA		12" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,666.59	420.81
			For Class 52 Rating, Deduct	-333.19	
			For Class 54 Rating, Add	462.00	
			For Class 55 Rating, Add	690.77	
			For Class 56 Rating, Add	916.51	
40 05 19 00-1215	EA		12" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,770.81	423.38
			For Class 52 Rating, Deduct	-344.23	
			For Class 54 Rating, Add	477.10	
			For Class 55 Rating, Add	713.24	
			For Class 56 Rating, Add	946.25	
40 05 19 00-1216	EA		12" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,875.02	425.95
			For Class 52 Rating, Deduct	-355.26	
			For Class 54 Rating, Add	492.19	
			For Class 55 Rating, Add	735.70	
			For Class 56 Rating, Add	975.98	
40 05 19 00-1217	EA		12" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,979.24	428.50
			For Class 52 Rating, Deduct	-366.30	
			For Class 54 Rating, Add	507.29	
			For Class 55 Rating, Add	758.17	
			For Class 56 Rating, Add	1,005.72	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

40 05 19 00-1218	EA	12" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,083.45	431.08
		<i>For Class 52 Rating, Deduct</i>	-377.33	
		<i>For Class 54 Rating, Add</i>	522.38	
		<i>For Class 55 Rating, Add</i>	780.63	
		<i>For Class 56 Rating, Add</i>	1,035.45	
40 05 19 00-1219	EA	12" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,187.66	433.64
		<i>For Class 52 Rating, Deduct</i>	-388.37	
		<i>For Class 54 Rating, Add</i>	537.48	
		<i>For Class 55 Rating, Add</i>	803.10	
		<i>For Class 56 Rating, Add</i>	1,065.19	
40 05 19 00-1220	EA	12" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,291.86	436.20
		<i>For Class 52 Rating, Deduct</i>	-399.40	
		<i>For Class 54 Rating, Add</i>	552.57	
		<i>For Class 55 Rating, Add</i>	825.56	
		<i>For Class 56 Rating, Add</i>	1,094.92	
40 05 19 00-1221	EA	12" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,396.08	438.77
		<i>For Class 52 Rating, Deduct</i>	-410.44	
		<i>For Class 54 Rating, Add</i>	567.67	
		<i>For Class 55 Rating, Add</i>	848.03	
		<i>For Class 56 Rating, Add</i>	1,124.66	
40 05 19 00-1222	EA	12" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,500.29	441.34
		<i>For Class 52 Rating, Deduct</i>	-421.48	
		<i>For Class 54 Rating, Add</i>	582.76	
		<i>For Class 55 Rating, Add</i>	870.50	
		<i>For Class 56 Rating, Add</i>	1,154.39	
40 05 19 00-1223	EA	12" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,604.51	443.91
		<i>For Class 52 Rating, Deduct</i>	-432.51	
		<i>For Class 54 Rating, Add</i>	597.86	
		<i>For Class 55 Rating, Add</i>	892.96	
		<i>For Class 56 Rating, Add</i>	1,184.13	
40 05 19 00-1224	EA	12" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,708.72	446.47
		<i>For Class 52 Rating, Deduct</i>	-443.55	
		<i>For Class 54 Rating, Add</i>	612.96	
		<i>For Class 55 Rating, Add</i>	915.43	
		<i>For Class 56 Rating, Add</i>	1,213.87	
40 05 19 00-1225	EA	12" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,812.94	449.04
		<i>For Class 52 Rating, Deduct</i>	-454.58	
		<i>For Class 54 Rating, Add</i>	628.05	
		<i>For Class 55 Rating, Add</i>	937.89	
		<i>For Class 56 Rating, Add</i>	1,243.60	
40 05 19 00-1226	EA	12" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,917.16	451.60
		<i>For Class 52 Rating, Deduct</i>	-465.62	
		<i>For Class 54 Rating, Add</i>	643.15	
		<i>For Class 55 Rating, Add</i>	960.36	
		<i>For Class 56 Rating, Add</i>	1,273.34	
40 05 19 00-1227	EA	12" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,021.37	454.16
		<i>For Class 52 Rating, Deduct</i>	-476.66	
		<i>For Class 54 Rating, Add</i>	658.24	
		<i>For Class 55 Rating, Add</i>	982.83	
		<i>For Class 56 Rating, Add</i>	1,303.08	
40 05 19 00-1228	EA	12" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,125.58	456.73
		<i>For Class 52 Rating, Deduct</i>	-487.69	
		<i>For Class 54 Rating, Add</i>	673.34	
		<i>For Class 55 Rating, Add</i>	1,005.29	
		<i>For Class 56 Rating, Add</i>	1,332.81	

**40 05 19 00-1229 14" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe**

(40 05 19 00-1028)

40 05 19 00-1230	EA	14" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,539.59	431.08
		<i>For Class 52 Rating, Deduct</i>	-97.51	
		<i>For Class 54 Rating, Add</i>	140.80	
		<i>For Class 55 Rating, Add</i>	213.35	
		<i>For Class 56 Rating, Add</i>	285.01	
40 05 19 00-1231	EA	14" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,665.78	433.64
		<i>For Class 52 Rating, Deduct</i>	-110.96	
		<i>For Class 54 Rating, Add</i>	159.20	
		<i>For Class 55 Rating, Add</i>	240.72	
		<i>For Class 56 Rating, Add</i>	321.23	
40 05 19 00-1232	EA	14" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,791.98	436.20
		<i>For Class 52 Rating, Deduct</i>	-124.42	
		<i>For Class 54 Rating, Add</i>	177.59	
		<i>For Class 55 Rating, Add</i>	268.09	
		<i>For Class 56 Rating, Add</i>	357.46	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1233	EA		14" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,918.18	438.77
			For Class 52 Rating, Deduct	-137.87	
			For Class 54 Rating, Add	195.98	
			For Class 55 Rating, Add	295.46	
			For Class 56 Rating, Add	393.68	
40 05 19 00-1234	EA		14" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,044.38	441.34
			For Class 52 Rating, Deduct	-151.33	
			For Class 54 Rating, Add	214.38	
			For Class 55 Rating, Add	322.83	
			For Class 56 Rating, Add	429.90	
40 05 19 00-1235	EA		14" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,170.59	443.91
			For Class 52 Rating, Deduct	-164.78	
			For Class 54 Rating, Add	232.77	
			For Class 55 Rating, Add	350.20	
			For Class 56 Rating, Add	466.13	
40 05 19 00-1236	EA		14" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,296.79	446.47
			For Class 52 Rating, Deduct	-178.24	
			For Class 54 Rating, Add	251.17	
			For Class 55 Rating, Add	377.57	
			For Class 56 Rating, Add	502.35	
40 05 19 00-1237	EA		14" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,423.00	449.04
			For Class 52 Rating, Deduct	-191.69	
			For Class 54 Rating, Add	269.56	
			For Class 55 Rating, Add	404.94	
			For Class 56 Rating, Add	538.57	
40 05 19 00-1238	EA		14" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,549.20	451.60
			For Class 52 Rating, Deduct	-205.14	
			For Class 54 Rating, Add	287.95	
			For Class 55 Rating, Add	432.31	
			For Class 56 Rating, Add	574.79	
40 05 19 00-1239	EA		14" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,675.41	454.16
			For Class 52 Rating, Deduct	-218.60	
			For Class 54 Rating, Add	306.35	
			For Class 55 Rating, Add	459.68	
			For Class 56 Rating, Add	611.02	
40 05 19 00-1240	EA		14" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,801.60	456.73
			For Class 52 Rating, Deduct	-232.05	
			For Class 54 Rating, Add	324.74	
			For Class 55 Rating, Add	487.04	
			For Class 56 Rating, Add	647.24	
40 05 19 00-1241	EA		14" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,927.81	459.30
			For Class 52 Rating, Deduct	-245.51	
			For Class 54 Rating, Add	343.14	
			For Class 55 Rating, Add	514.42	
			For Class 56 Rating, Add	683.46	
40 05 19 00-1242	EA		14" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,054.00	461.87
			For Class 52 Rating, Deduct	-258.96	
			For Class 54 Rating, Add	361.53	
			For Class 55 Rating, Add	541.78	
			For Class 56 Rating, Add	719.68	
40 05 19 00-1243	EA		14" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,180.20	464.43
			For Class 52 Rating, Deduct	-272.42	
			For Class 54 Rating, Add	379.92	
			For Class 55 Rating, Add	569.15	
			For Class 56 Rating, Add	755.91	
40 05 19 00-1244	EA		14" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,306.41	467.00
			For Class 52 Rating, Deduct	-285.87	
			For Class 54 Rating, Add	398.32	
			For Class 55 Rating, Add	596.52	
			For Class 56 Rating, Add	792.13	
40 05 19 00-1245	EA		14" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,432.61	469.56
			For Class 52 Rating, Deduct	-299.33	
			For Class 54 Rating, Add	416.71	
			For Class 55 Rating, Add	623.89	
			For Class 56 Rating, Add	828.35	
40 05 19 00-1246	EA		14" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,558.82	472.13
			For Class 52 Rating, Deduct	-312.78	
			For Class 54 Rating, Add	435.10	
			For Class 55 Rating, Add	651.26	
			For Class 56 Rating, Add	864.58	
40 05 19 00-1247	EA		14" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,685.01	474.69
			For Class 52 Rating, Deduct	-326.24	
			For Class 54 Rating, Add	453.50	
			For Class 55 Rating, Add	678.63	
			For Class 56 Rating, Add	900.80	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1248	EA		14" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,811.22	477.26
			For Class 52 Rating, Deduct .....	-339.69	
			For Class 54 Rating, Add .....	471.89	
			For Class 55 Rating, Add .....	706.00	
			For Class 56 Rating, Add .....	937.02	
40 05 19 00-1249	EA		14" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,937.42	479.83
			For Class 52 Rating, Deduct .....	-353.15	
			For Class 54 Rating, Add .....	490.29	
			For Class 55 Rating, Add .....	733.37	
			For Class 56 Rating, Add .....	973.24	
40 05 19 00-1250	EA		14" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,063.63	482.39
			For Class 52 Rating, Deduct .....	-366.60	
			For Class 54 Rating, Add .....	508.68	
			For Class 55 Rating, Add .....	760.74	
			For Class 56 Rating, Add .....	1,009.47	
40 05 19 00-1251	EA		14" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,189.83	484.95
			For Class 52 Rating, Deduct .....	-380.05	
			For Class 54 Rating, Add .....	527.07	
			For Class 55 Rating, Add .....	788.11	
			For Class 56 Rating, Add .....	1,045.69	
40 05 19 00-1252	EA		14" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,316.04	487.53
			For Class 52 Rating, Deduct .....	-393.51	
			For Class 54 Rating, Add .....	545.47	
			For Class 55 Rating, Add .....	815.48	
			For Class 56 Rating, Add .....	1,081.91	
40 05 19 00-1253	EA		14" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,442.23	490.10
			For Class 52 Rating, Deduct .....	-406.96	
			For Class 54 Rating, Add .....	563.86	
			For Class 55 Rating, Add .....	842.85	
			For Class 56 Rating, Add .....	1,118.13	
40 05 19 00-1254	EA		14" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,568.43	492.65
			For Class 52 Rating, Deduct .....	-420.42	
			For Class 54 Rating, Add .....	582.25	
			For Class 55 Rating, Add .....	870.22	
			For Class 56 Rating, Add .....	1,154.36	
40 05 19 00-1255	EA		14" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,694.63	495.23
			For Class 52 Rating, Deduct .....	-433.87	
			For Class 54 Rating, Add .....	600.65	
			For Class 55 Rating, Add .....	897.59	
			For Class 56 Rating, Add .....	1,190.58	
40 05 19 00-1256	EA		14" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,820.83	497.79
			For Class 52 Rating, Deduct .....	-447.33	
			For Class 54 Rating, Add .....	619.04	
			For Class 55 Rating, Add .....	924.96	
			For Class 56 Rating, Add .....	1,226.80	
40 05 19 00-1257	EA		14" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,947.04	500.35
			For Class 52 Rating, Deduct .....	-460.78	
			For Class 54 Rating, Add .....	637.44	
			For Class 55 Rating, Add .....	952.33	
			For Class 56 Rating, Add .....	1,263.03	
40 05 19 00-1258	EA		14" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,073.24	502.92
			For Class 52 Rating, Deduct .....	-474.24	
			For Class 54 Rating, Add .....	655.83	
			For Class 55 Rating, Add .....	979.69	
			For Class 56 Rating, Add .....	1,299.25	
40 05 19 00-1259	EA		14" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,199.45	505.49
			For Class 52 Rating, Deduct .....	-487.69	
			For Class 54 Rating, Add .....	674.22	
			For Class 55 Rating, Add .....	1,007.07	
			For Class 56 Rating, Add .....	1,335.47	
40 05 19 00-1260	EA		14" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,325.65	508.05
			For Class 52 Rating, Deduct .....	-501.15	
			For Class 54 Rating, Add .....	692.62	
			For Class 55 Rating, Add .....	1,034.43	
			For Class 56 Rating, Add .....	1,371.69	
40 05 19 00-1261	EA		14" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,451.86	510.62
			For Class 52 Rating, Deduct .....	-514.60	
			For Class 54 Rating, Add .....	711.01	
			For Class 55 Rating, Add .....	1,061.80	
			For Class 56 Rating, Add .....	1,407.92	
40 05 19 00-1262	EA		14" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,578.05	513.18
			For Class 52 Rating, Deduct .....	-528.06	
			For Class 54 Rating, Add .....	729.41	
			For Class 55 Rating, Add .....	1,089.17	
			For Class 56 Rating, Add .....	1,444.14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1263 EA 14" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,704.25	515.75
For Class 52 Rating, Deduct	-541.51	
For Class 54 Rating, Add	747.80	
For Class 55 Rating, Add	1,116.54	
For Class 56 Rating, Add	1,480.36	
40 05 19 00-1264 EA 14" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,830.45	518.31
For Class 52 Rating, Deduct	-554.96	
For Class 54 Rating, Add	766.19	
For Class 55 Rating, Add	1,143.91	
For Class 56 Rating, Add	1,516.58	
40 05 19 00-1265 EA 14" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,956.65	520.88
For Class 52 Rating, Deduct	-568.42	
For Class 54 Rating, Add	784.59	
For Class 55 Rating, Add	1,171.28	
For Class 56 Rating, Add	1,552.81	
40 05 19 00-1266 EA 14" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,082.86	523.45
For Class 52 Rating, Deduct	-581.87	
For Class 54 Rating, Add	802.98	
For Class 55 Rating, Add	1,198.65	
For Class 56 Rating, Add	1,589.03	
40 05 19 00-1267 EA 14" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,209.06	526.02
For Class 52 Rating, Deduct	-595.33	
For Class 54 Rating, Add	821.37	
For Class 55 Rating, Add	1,226.02	
For Class 56 Rating, Add	1,625.25	
<b>40 05 19 00-1268 16" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b>		
<small>(40 05 19 00-1028)</small>		
40 05 19 00-1269 EA 16" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,795.06	492.65
For Class 52 Rating, Deduct	-115.35	
For Class 54 Rating, Add	166.25	
For Class 55 Rating, Add	251.75	
For Class 56 Rating, Add	336.21	
40 05 19 00-1270 EA 16" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,941.87	495.23
For Class 52 Rating, Deduct	-131.07	
For Class 54 Rating, Add	187.73	
For Class 55 Rating, Add	283.72	
For Class 56 Rating, Add	378.52	
40 05 19 00-1271 EA 16" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,088.68	497.79
For Class 52 Rating, Deduct	-146.79	
For Class 54 Rating, Add	209.22	
For Class 55 Rating, Add	315.69	
For Class 56 Rating, Add	420.82	
40 05 19 00-1272 EA 16" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,235.50	500.35
For Class 52 Rating, Deduct	-162.51	
For Class 54 Rating, Add	230.71	
For Class 55 Rating, Add	347.65	
For Class 56 Rating, Add	463.12	
40 05 19 00-1273 EA 16" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,382.32	502.92
For Class 52 Rating, Deduct	-178.24	
For Class 54 Rating, Add	252.19	
For Class 55 Rating, Add	379.62	
For Class 56 Rating, Add	505.43	
40 05 19 00-1274 EA 16" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,529.14	505.49
For Class 52 Rating, Deduct	-193.96	
For Class 54 Rating, Add	273.68	
For Class 55 Rating, Add	411.59	
For Class 56 Rating, Add	547.73	
40 05 19 00-1275 EA 16" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,675.96	508.05
For Class 52 Rating, Deduct	-209.68	
For Class 54 Rating, Add	295.16	
For Class 55 Rating, Add	443.55	
For Class 56 Rating, Add	590.04	
40 05 19 00-1276 EA 16" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,822.78	510.62
For Class 52 Rating, Deduct	-225.40	
For Class 54 Rating, Add	316.65	
For Class 55 Rating, Add	475.52	
For Class 56 Rating, Add	632.34	
40 05 19 00-1277 EA 16" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,969.59	513.18
For Class 52 Rating, Deduct	-241.12	
For Class 54 Rating, Add	338.14	
For Class 55 Rating, Add	507.49	
For Class 56 Rating, Add	674.64	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1278	EA		16" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,116.41	515.75
			For Class 52 Rating, Deduct	-256.85	
			For Class 54 Rating, Add	359.62	
			For Class 55 Rating, Add	539.45	
			For Class 56 Rating, Add	716.95	
40 05 19 00-1279	EA		16" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,263.22	518.31
			For Class 52 Rating, Deduct	-272.57	
			For Class 54 Rating, Add	381.11	
			For Class 55 Rating, Add	571.42	
			For Class 56 Rating, Add	759.25	
40 05 19 00-1280	EA		16" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,410.04	520.88
			For Class 52 Rating, Deduct	-288.29	
			For Class 54 Rating, Add	402.60	
			For Class 55 Rating, Add	603.39	
			For Class 56 Rating, Add	801.56	
40 05 19 00-1281	EA		16" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,556.86	523.45
			For Class 52 Rating, Deduct	-304.01	
			For Class 54 Rating, Add	424.08	
			For Class 55 Rating, Add	635.35	
			For Class 56 Rating, Add	843.86	
40 05 19 00-1282	EA		16" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,703.68	526.02
			For Class 52 Rating, Deduct	-319.74	
			For Class 54 Rating, Add	445.57	
			For Class 55 Rating, Add	667.32	
			For Class 56 Rating, Add	886.17	
40 05 19 00-1283	EA		16" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,850.50	528.58
			For Class 52 Rating, Deduct	-335.46	
			For Class 54 Rating, Add	467.05	
			For Class 55 Rating, Add	699.29	
			For Class 56 Rating, Add	928.47	
40 05 19 00-1284	EA		16" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,997.32	531.14
			For Class 52 Rating, Deduct	-351.18	
			For Class 54 Rating, Add	488.54	
			For Class 55 Rating, Add	731.25	
			For Class 56 Rating, Add	970.77	
40 05 19 00-1285	EA		16" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,144.12	533.71
			For Class 52 Rating, Deduct	-366.90	
			For Class 54 Rating, Add	510.02	
			For Class 55 Rating, Add	763.22	
			For Class 56 Rating, Add	1,013.08	
40 05 19 00-1286	EA		16" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,290.94	536.27
			For Class 52 Rating, Deduct	-382.62	
			For Class 54 Rating, Add	531.51	
			For Class 55 Rating, Add	795.18	
			For Class 56 Rating, Add	1,055.38	
40 05 19 00-1287	EA		16" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,437.76	538.84
			For Class 52 Rating, Deduct	-398.35	
			For Class 54 Rating, Add	553.00	
			For Class 55 Rating, Add	827.15	
			For Class 56 Rating, Add	1,097.68	
40 05 19 00-1288	EA		16" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,584.58	541.41
			For Class 52 Rating, Deduct	-414.07	
			For Class 54 Rating, Add	574.48	
			For Class 55 Rating, Add	859.12	
			For Class 56 Rating, Add	1,139.99	
40 05 19 00-1289	EA		16" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,731.39	543.98
			For Class 52 Rating, Deduct	-429.79	
			For Class 54 Rating, Add	595.97	
			For Class 55 Rating, Add	891.08	
			For Class 56 Rating, Add	1,182.29	
40 05 19 00-1290	EA		16" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,878.21	546.54
			For Class 52 Rating, Deduct	-445.51	
			For Class 54 Rating, Add	617.46	
			For Class 55 Rating, Add	923.05	
			For Class 56 Rating, Add	1,224.60	
40 05 19 00-1291	EA		16" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,025.03	549.10
			For Class 52 Rating, Deduct	-461.24	
			For Class 54 Rating, Add	638.94	
			For Class 55 Rating, Add	955.02	
			For Class 56 Rating, Add	1,266.90	
40 05 19 00-1292	EA		16" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,171.84	551.68
			For Class 52 Rating, Deduct	-476.96	
			For Class 54 Rating, Add	660.43	
			For Class 55 Rating, Add	986.98	
			For Class 56 Rating, Add	1,309.21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1293 EA 16" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,318.66	554.24
For Class 52 Rating, Deduct	-492.68	
For Class 54 Rating, Add	681.91	
For Class 55 Rating, Add	1,018.95	
For Class 56 Rating, Add	1,351.51	
40 05 19 00-1294 EA 16" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,465.48	556.80
For Class 52 Rating, Deduct	-508.40	
For Class 54 Rating, Add	703.40	
For Class 55 Rating, Add	1,050.92	
For Class 56 Rating, Add	1,393.81	
40 05 19 00-1295 EA 16" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,612.30	559.37
For Class 52 Rating, Deduct	-524.12	
For Class 54 Rating, Add	724.89	
For Class 55 Rating, Add	1,082.88	
For Class 56 Rating, Add	1,436.12	
40 05 19 00-1296 EA 16" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,759.12	561.94
For Class 52 Rating, Deduct	-539.85	
For Class 54 Rating, Add	746.37	
For Class 55 Rating, Add	1,114.85	
For Class 56 Rating, Add	1,478.42	
40 05 19 00-1297 EA 16" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,905.94	564.50
For Class 52 Rating, Deduct	-555.57	
For Class 54 Rating, Add	767.86	
For Class 55 Rating, Add	1,146.82	
For Class 56 Rating, Add	1,520.73	
40 05 19 00-1298 EA 16" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,052.76	567.07
For Class 52 Rating, Deduct	-571.29	
For Class 54 Rating, Add	789.34	
For Class 55 Rating, Add	1,178.78	
For Class 56 Rating, Add	1,563.03	
40 05 19 00-1299 EA 16" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,199.57	569.64
For Class 52 Rating, Deduct	-587.01	
For Class 54 Rating, Add	810.83	
For Class 55 Rating, Add	1,210.75	
For Class 56 Rating, Add	1,605.33	
40 05 19 00-1300 EA 16" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,346.37	572.20
For Class 52 Rating, Deduct	-602.74	
For Class 54 Rating, Add	832.32	
For Class 55 Rating, Add	1,242.72	
For Class 56 Rating, Add	1,647.64	
40 05 19 00-1301 EA 16" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,493.19	574.76
For Class 52 Rating, Deduct	-618.46	
For Class 54 Rating, Add	853.80	
For Class 55 Rating, Add	1,274.68	
For Class 56 Rating, Add	1,689.94	
40 05 19 00-1302 EA 16" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,640.01	577.33
For Class 52 Rating, Deduct	-634.18	
For Class 54 Rating, Add	875.29	
For Class 55 Rating, Add	1,306.65	
For Class 56 Rating, Add	1,732.25	
40 05 19 00-1303 EA 16" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,786.83	579.90
For Class 52 Rating, Deduct	-649.90	
For Class 54 Rating, Add	896.77	
For Class 55 Rating, Add	1,338.62	
For Class 56 Rating, Add	1,774.55	
40 05 19 00-1304 EA 16" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,933.65	582.45
For Class 52 Rating, Deduct	-665.62	
For Class 54 Rating, Add	918.26	
For Class 55 Rating, Add	1,370.58	
For Class 56 Rating, Add	1,816.85	
40 05 19 00-1305 EA 16" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,080.47	585.03
For Class 52 Rating, Deduct	-681.35	
For Class 54 Rating, Add	939.75	
For Class 55 Rating, Add	1,402.55	
For Class 56 Rating, Add	1,859.16	
40 05 19 00-1306 EA 16" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,227.29	587.60
For Class 52 Rating, Deduct	-697.07	
For Class 54 Rating, Add	961.23	
For Class 55 Rating, Add	1,434.52	
For Class 56 Rating, Add	1,901.46	

40 05 19 00-1307 18" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-1028)

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

40 05 19 00-1308	EA	18" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,071.33	555.26
		<i>For Class 52 Rating, Deduct</i>	-135.30	
		<i>For Class 54 Rating, Add</i>	194.60	
		<i>For Class 55 Rating, Add</i>	294.49	
		<i>For Class 56 Rating, Add</i>	393.14	
40 05 19 00-1309	EA	18" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,240.13	557.84
		<i>For Class 52 Rating, Deduct</i>	-153.44	
		<i>For Class 54 Rating, Add</i>	219.38	
		<i>For Class 55 Rating, Add</i>	331.35	
		<i>For Class 56 Rating, Add</i>	441.93	
40 05 19 00-1310	EA	18" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,408.94	560.39
		<i>For Class 52 Rating, Deduct</i>	-171.58	
		<i>For Class 54 Rating, Add</i>	244.17	
		<i>For Class 55 Rating, Add</i>	368.22	
		<i>For Class 56 Rating, Add</i>	490.72	
40 05 19 00-1311	EA	18" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,577.75	562.96
		<i>For Class 52 Rating, Deduct</i>	-189.72	
		<i>For Class 54 Rating, Add</i>	268.95	
		<i>For Class 55 Rating, Add</i>	405.10	
		<i>For Class 56 Rating, Add</i>	539.51	
40 05 19 00-1312	EA	18" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,746.55	565.54
		<i>For Class 52 Rating, Deduct</i>	-207.87	
		<i>For Class 54 Rating, Add</i>	293.74	
		<i>For Class 55 Rating, Add</i>	441.97	
		<i>For Class 56 Rating, Add</i>	588.31	
40 05 19 00-1313	EA	18" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,915.36	568.09
		<i>For Class 52 Rating, Deduct</i>	-226.01	
		<i>For Class 54 Rating, Add</i>	318.52	
		<i>For Class 55 Rating, Add</i>	478.84	
		<i>For Class 56 Rating, Add</i>	637.10	
40 05 19 00-1314	EA	18" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,084.17	570.66
		<i>For Class 52 Rating, Deduct</i>	-244.15	
		<i>For Class 54 Rating, Add</i>	343.31	
		<i>For Class 55 Rating, Add</i>	515.71	
		<i>For Class 56 Rating, Add</i>	685.89	
40 05 19 00-1315	EA	18" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,252.98	573.23
		<i>For Class 52 Rating, Deduct</i>	-262.29	
		<i>For Class 54 Rating, Add</i>	368.09	
		<i>For Class 55 Rating, Add</i>	552.58	
		<i>For Class 56 Rating, Add</i>	734.68	
40 05 19 00-1316	EA	18" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,421.78	575.80
		<i>For Class 52 Rating, Deduct</i>	-280.43	
		<i>For Class 54 Rating, Add</i>	392.87	
		<i>For Class 55 Rating, Add</i>	589.45	
		<i>For Class 56 Rating, Add</i>	783.47	
40 05 19 00-1317	EA	18" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,590.58	578.35
		<i>For Class 52 Rating, Deduct</i>	-298.57	
		<i>For Class 54 Rating, Add</i>	417.66	
		<i>For Class 55 Rating, Add</i>	626.32	
		<i>For Class 56 Rating, Add</i>	832.26	
40 05 19 00-1318	EA	18" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,759.39	580.92
		<i>For Class 52 Rating, Deduct</i>	-316.71	
		<i>For Class 54 Rating, Add</i>	442.44	
		<i>For Class 55 Rating, Add</i>	663.19	
		<i>For Class 56 Rating, Add</i>	881.05	
40 05 19 00-1319	EA	18" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,928.19	583.49
		<i>For Class 52 Rating, Deduct</i>	-334.85	
		<i>For Class 54 Rating, Add</i>	467.23	
		<i>For Class 55 Rating, Add</i>	700.06	
		<i>For Class 56 Rating, Add</i>	929.84	
40 05 19 00-1320	EA	18" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,097.00	586.05
		<i>For Class 52 Rating, Deduct</i>	-352.99	
		<i>For Class 54 Rating, Add</i>	492.01	
		<i>For Class 55 Rating, Add</i>	736.93	
		<i>For Class 56 Rating, Add</i>	978.63	
40 05 19 00-1321	EA	18" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,265.81	588.62
		<i>For Class 52 Rating, Deduct</i>	-371.14	
		<i>For Class 54 Rating, Add</i>	516.80	
		<i>For Class 55 Rating, Add</i>	773.80	
		<i>For Class 56 Rating, Add</i>	1,027.42	
40 05 19 00-1322	EA	18" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,434.61	591.19
		<i>For Class 52 Rating, Deduct</i>	-389.28	
		<i>For Class 54 Rating, Add</i>	541.58	
		<i>For Class 55 Rating, Add</i>	810.67	
		<i>For Class 56 Rating, Add</i>	1,076.21	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1323	EA		18" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,603.42	593.76
			For Class 52 Rating, Deduct	-407.42	
			For Class 54 Rating, Add	566.36	
			For Class 55 Rating, Add	847.54	
			For Class 56 Rating, Add	1,125.00	
40 05 19 00-1324	EA		18" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,772.23	596.31
			For Class 52 Rating, Deduct	-425.56	
			For Class 54 Rating, Add	591.15	
			For Class 55 Rating, Add	884.41	
			For Class 56 Rating, Add	1,173.80	
40 05 19 00-1325	EA		18" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,941.04	598.89
			For Class 52 Rating, Deduct	-443.70	
			For Class 54 Rating, Add	615.93	
			For Class 55 Rating, Add	921.28	
			For Class 56 Rating, Add	1,222.59	
40 05 19 00-1326	EA		18" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,109.85	601.45
			For Class 52 Rating, Deduct	-461.84	
			For Class 54 Rating, Add	640.72	
			For Class 55 Rating, Add	958.15	
			For Class 56 Rating, Add	1,271.38	
40 05 19 00-1327	EA		18" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,278.65	604.01
			For Class 52 Rating, Deduct	-479.98	
			For Class 54 Rating, Add	665.50	
			For Class 55 Rating, Add	995.02	
			For Class 56 Rating, Add	1,320.17	
40 05 19 00-1328	EA		18" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,447.44	606.58
			For Class 52 Rating, Deduct	-498.12	
			For Class 54 Rating, Add	690.29	
			For Class 55 Rating, Add	1,031.89	
			For Class 56 Rating, Add	1,368.96	
40 05 19 00-1329	EA		18" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,616.25	609.15
			For Class 52 Rating, Deduct	-516.26	
			For Class 54 Rating, Add	715.07	
			For Class 55 Rating, Add	1,068.76	
			For Class 56 Rating, Add	1,417.75	
40 05 19 00-1330	EA		18" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,785.06	611.72
			For Class 52 Rating, Deduct	-534.40	
			For Class 54 Rating, Add	739.86	
			For Class 55 Rating, Add	1,105.63	
			For Class 56 Rating, Add	1,466.54	
40 05 19 00-1331	EA		18" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,953.87	614.28
			For Class 52 Rating, Deduct	-552.55	
			For Class 54 Rating, Add	764.64	
			For Class 55 Rating, Add	1,142.50	
			For Class 56 Rating, Add	1,515.33	
40 05 19 00-1332	EA		18" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,122.68	616.85
			For Class 52 Rating, Deduct	-570.69	
			For Class 54 Rating, Add	789.42	
			For Class 55 Rating, Add	1,179.37	
			For Class 56 Rating, Add	1,564.12	
40 05 19 00-1333	EA		18" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,291.49	619.41
			For Class 52 Rating, Deduct	-588.83	
			For Class 54 Rating, Add	814.21	
			For Class 55 Rating, Add	1,216.24	
			For Class 56 Rating, Add	1,612.92	
40 05 19 00-1334	EA		18" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,460.28	621.99
			For Class 52 Rating, Deduct	-606.97	
			For Class 54 Rating, Add	838.99	
			For Class 55 Rating, Add	1,253.11	
			For Class 56 Rating, Add	1,661.70	
40 05 19 00-1335	EA		18" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,629.09	624.54
			For Class 52 Rating, Deduct	-625.11	
			For Class 54 Rating, Add	863.78	
			For Class 55 Rating, Add	1,289.98	
			For Class 56 Rating, Add	1,710.50	
40 05 19 00-1336	EA		18" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,797.90	627.11
			For Class 52 Rating, Deduct	-643.25	
			For Class 54 Rating, Add	888.56	
			For Class 55 Rating, Add	1,326.85	
			For Class 56 Rating, Add	1,759.29	
40 05 19 00-1337	EA		18" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,966.71	629.68
			For Class 52 Rating, Deduct	-661.39	
			For Class 54 Rating, Add	913.35	
			For Class 55 Rating, Add	1,363.72	
			For Class 56 Rating, Add	1,808.08	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

40 05 19 00-1338	EA	18" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,135.52	632.24
		<i>For Class 52 Rating, Deduct</i>	-679.53	
		<i>For Class 54 Rating, Add</i>	938.13	
		<i>For Class 55 Rating, Add</i>	1,400.59	
		<i>For Class 56 Rating, Add</i>	1,856.87	
40 05 19 00-1339	EA	18" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,304.32	634.80
		<i>For Class 52 Rating, Deduct</i>	-697.67	
		<i>For Class 54 Rating, Add</i>	962.92	
		<i>For Class 55 Rating, Add</i>	1,437.46	
		<i>For Class 56 Rating, Add</i>	1,905.66	
40 05 19 00-1340	EA	18" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,473.13	637.38
		<i>For Class 52 Rating, Deduct</i>	-715.82	
		<i>For Class 54 Rating, Add</i>	987.70	
		<i>For Class 55 Rating, Add</i>	1,474.33	
		<i>For Class 56 Rating, Add</i>	1,954.45	
40 05 19 00-1341	EA	18" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,641.93	639.95
		<i>For Class 52 Rating, Deduct</i>	-733.96	
		<i>For Class 54 Rating, Add</i>	1,012.48	
		<i>For Class 55 Rating, Add</i>	1,511.20	
		<i>For Class 56 Rating, Add</i>	2,003.24	
40 05 19 00-1342	EA	18" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,810.73	642.50
		<i>For Class 52 Rating, Deduct</i>	-752.10	
		<i>For Class 54 Rating, Add</i>	1,037.27	
		<i>For Class 55 Rating, Add</i>	1,548.07	
		<i>For Class 56 Rating, Add</i>	2,052.03	
40 05 19 00-1343	EA	18" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,979.54	645.07
		<i>For Class 52 Rating, Deduct</i>	-770.24	
		<i>For Class 54 Rating, Add</i>	1,062.05	
		<i>For Class 55 Rating, Add</i>	1,584.94	
		<i>For Class 56 Rating, Add</i>	2,100.82	
40 05 19 00-1344	EA	18" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,148.35	647.64
		<i>For Class 52 Rating, Deduct</i>	-788.38	
		<i>For Class 54 Rating, Add</i>	1,086.84	
		<i>For Class 55 Rating, Add</i>	1,621.81	
		<i>For Class 56 Rating, Add</i>	2,149.61	
40 05 19 00-1345	EA	18" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,317.16	650.20
		<i>For Class 52 Rating, Deduct</i>	-806.52	
		<i>For Class 54 Rating, Add</i>	1,111.62	
		<i>For Class 55 Rating, Add</i>	1,658.68	
		<i>For Class 56 Rating, Add</i>	2,198.41	

**40 05 19 00-1346 20" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe**

40 05 19 00-1347	EA	20" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,408.80	633.78
		<i>For Class 52 Rating, Deduct</i>	-159.34	
		<i>For Class 54 Rating, Add</i>	228.80	
		<i>For Class 55 Rating, Add</i>	346.07	
		<i>For Class 56 Rating, Add</i>	461.89	
40 05 19 00-1348	EA	20" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,602.35	636.35
		<i>For Class 52 Rating, Deduct</i>	-180.20	
		<i>For Class 54 Rating, Add</i>	257.30	
		<i>For Class 55 Rating, Add</i>	388.46	
		<i>For Class 56 Rating, Add</i>	517.98	
40 05 19 00-1349	EA	20" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,795.90	638.91
		<i>For Class 52 Rating, Deduct</i>	-201.06	
		<i>For Class 54 Rating, Add</i>	285.79	
		<i>For Class 55 Rating, Add</i>	430.84	
		<i>For Class 56 Rating, Add</i>	574.07	
40 05 19 00-1350	EA	20" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,989.44	641.48
		<i>For Class 52 Rating, Deduct</i>	-221.93	
		<i>For Class 54 Rating, Add</i>	314.29	
		<i>For Class 55 Rating, Add</i>	473.23	
		<i>For Class 56 Rating, Add</i>	630.15	
40 05 19 00-1351	EA	20" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,182.99	644.05
		<i>For Class 52 Rating, Deduct</i>	-242.79	
		<i>For Class 54 Rating, Add</i>	342.78	
		<i>For Class 55 Rating, Add</i>	515.62	
		<i>For Class 56 Rating, Add</i>	686.24	
40 05 19 00-1352	EA	20" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,376.53	646.60
		<i>For Class 52 Rating, Deduct</i>	-263.65	
		<i>For Class 54 Rating, Add</i>	371.28	
		<i>For Class 55 Rating, Add</i>	558.00	
		<i>For Class 56 Rating, Add</i>	742.33	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1353	EA		20" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,570.07	649.18
			For Class 52 Rating, Deduct	-284.51	
			For Class 54 Rating, Add	399.77	
			For Class 55 Rating, Add	600.39	
			For Class 56 Rating, Add	798.42	
40 05 19 00-1354	EA		20" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,763.62	651.74
			For Class 52 Rating, Deduct	-305.37	
			For Class 54 Rating, Add	428.27	
			For Class 55 Rating, Add	642.78	
			For Class 56 Rating, Add	854.51	
40 05 19 00-1355	EA		20" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,957.16	654.31
			For Class 52 Rating, Deduct	-326.24	
			For Class 54 Rating, Add	456.76	
			For Class 55 Rating, Add	685.16	
			For Class 56 Rating, Add	910.59	
40 05 19 00-1356	EA		20" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,150.70	656.87
			For Class 52 Rating, Deduct	-347.10	
			For Class 54 Rating, Add	485.26	
			For Class 55 Rating, Add	727.55	
			For Class 56 Rating, Add	966.68	
40 05 19 00-1357	EA		20" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,344.24	659.44
			For Class 52 Rating, Deduct	-367.96	
			For Class 54 Rating, Add	513.75	
			For Class 55 Rating, Add	769.93	
			For Class 56 Rating, Add	1,022.77	
40 05 19 00-1358	EA		20" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,537.79	662.01
			For Class 52 Rating, Deduct	-388.82	
			For Class 54 Rating, Add	542.25	
			For Class 55 Rating, Add	812.32	
			For Class 56 Rating, Add	1,078.86	
40 05 19 00-1359	EA		20" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,731.34	664.57
			For Class 52 Rating, Deduct	-409.69	
			For Class 54 Rating, Add	570.74	
			For Class 55 Rating, Add	854.71	
			For Class 56 Rating, Add	1,134.95	
40 05 19 00-1360	EA		20" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,924.88	667.14
			For Class 52 Rating, Deduct	-430.55	
			For Class 54 Rating, Add	599.24	
			For Class 55 Rating, Add	897.10	
			For Class 56 Rating, Add	1,191.04	
40 05 19 00-1361	EA		20" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,118.42	669.70
			For Class 52 Rating, Deduct	-451.41	
			For Class 54 Rating, Add	627.73	
			For Class 55 Rating, Add	939.48	
			For Class 56 Rating, Add	1,247.13	
40 05 19 00-1362	EA		20" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,311.97	672.28
			For Class 52 Rating, Deduct	-472.27	
			For Class 54 Rating, Add	656.23	
			For Class 55 Rating, Add	981.87	
			For Class 56 Rating, Add	1,303.22	
40 05 19 00-1363	EA		20" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,505.51	674.83
			For Class 52 Rating, Deduct	-493.13	
			For Class 54 Rating, Add	684.72	
			For Class 55 Rating, Add	1,024.26	
			For Class 56 Rating, Add	1,359.30	
40 05 19 00-1364	EA		20" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,699.06	677.40
			For Class 52 Rating, Deduct	-514.00	
			For Class 54 Rating, Add	713.22	
			For Class 55 Rating, Add	1,066.64	
			For Class 56 Rating, Add	1,415.39	
40 05 19 00-1365	EA		20" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,892.60	679.97
			For Class 52 Rating, Deduct	-534.86	
			For Class 54 Rating, Add	741.71	
			For Class 55 Rating, Add	1,109.03	
			For Class 56 Rating, Add	1,471.48	
40 05 19 00-1366	EA		20" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,086.15	682.54
			For Class 52 Rating, Deduct	-555.72	
			For Class 54 Rating, Add	770.21	
			For Class 55 Rating, Add	1,151.42	
			For Class 56 Rating, Add	1,527.57	
40 05 19 00-1367	EA		20" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,279.69	685.10
			For Class 52 Rating, Deduct	-576.58	
			For Class 54 Rating, Add	798.71	
			For Class 55 Rating, Add	1,193.80	
			For Class 56 Rating, Add	1,583.66	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1368	EA		20" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,473.22	687.67
			For Class 52 Rating, Deduct .....	-597.44	
			For Class 54 Rating, Add .....	827.20	
			For Class 55 Rating, Add .....	1,236.19	
			For Class 56 Rating, Add .....	1,639.75	
40 05 19 00-1369	EA		20" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,666.77	690.24
			For Class 52 Rating, Deduct .....	-618.31	
			For Class 54 Rating, Add .....	855.70	
			For Class 55 Rating, Add .....	1,278.58	
			For Class 56 Rating, Add .....	1,695.83	
40 05 19 00-1370	EA		20" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,860.31	692.79
			For Class 52 Rating, Deduct .....	-639.17	
			For Class 54 Rating, Add .....	884.19	
			For Class 55 Rating, Add .....	1,320.96	
			For Class 56 Rating, Add .....	1,751.92	
40 05 19 00-1371	EA		20" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,053.86	695.37
			For Class 52 Rating, Deduct .....	-660.03	
			For Class 54 Rating, Add .....	912.68	
			For Class 55 Rating, Add .....	1,363.35	
			For Class 56 Rating, Add .....	1,808.01	
40 05 19 00-1372	EA		20" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,247.41	697.93
			For Class 52 Rating, Deduct .....	-680.89	
			For Class 54 Rating, Add .....	941.18	
			For Class 55 Rating, Add .....	1,405.74	
			For Class 56 Rating, Add .....	1,864.10	
40 05 19 00-1373	EA		20" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,440.95	700.50
			For Class 52 Rating, Deduct .....	-701.75	
			For Class 54 Rating, Add .....	969.67	
			For Class 55 Rating, Add .....	1,448.12	
			For Class 56 Rating, Add .....	1,920.19	
40 05 19 00-1374	EA		20" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,634.50	703.05
			For Class 52 Rating, Deduct .....	-722.62	
			For Class 54 Rating, Add .....	998.17	
			For Class 55 Rating, Add .....	1,490.51	
			For Class 56 Rating, Add .....	1,976.28	
40 05 19 00-1375	EA		20" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,828.05	705.63
			For Class 52 Rating, Deduct .....	-743.48	
			For Class 54 Rating, Add .....	1,026.67	
			For Class 55 Rating, Add .....	1,532.90	
			For Class 56 Rating, Add .....	2,032.37	
40 05 19 00-1376	EA		20" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,021.58	708.19
			For Class 52 Rating, Deduct .....	-764.34	
			For Class 54 Rating, Add .....	1,055.16	
			For Class 55 Rating, Add .....	1,575.28	
			For Class 56 Rating, Add .....	2,088.45	
40 05 19 00-1377	EA		20" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,215.13	710.75
			For Class 52 Rating, Deduct .....	-785.20	
			For Class 54 Rating, Add .....	1,083.66	
			For Class 55 Rating, Add .....	1,617.67	
			For Class 56 Rating, Add .....	2,144.54	
40 05 19 00-1378	EA		20" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,408.66	713.33
			For Class 52 Rating, Deduct .....	-806.07	
			For Class 54 Rating, Add .....	1,112.15	
			For Class 55 Rating, Add .....	1,660.05	
			For Class 56 Rating, Add .....	2,200.63	
40 05 19 00-1379	EA		20" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,602.21	715.89
			For Class 52 Rating, Deduct .....	-826.93	
			For Class 54 Rating, Add .....	1,140.65	
			For Class 55 Rating, Add .....	1,702.44	
			For Class 56 Rating, Add .....	2,256.72	
40 05 19 00-1380	EA		20" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,795.76	718.46
			For Class 52 Rating, Deduct .....	-847.79	
			For Class 54 Rating, Add .....	1,169.14	
			For Class 55 Rating, Add .....	1,744.83	
			For Class 56 Rating, Add .....	2,312.81	
40 05 19 00-1381	EA		20" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,989.30	721.02
			For Class 52 Rating, Deduct .....	-868.65	
			For Class 54 Rating, Add .....	1,197.64	
			For Class 55 Rating, Add .....	1,787.21	
			For Class 56 Rating, Add .....	2,368.90	
40 05 19 00-1382	EA		20" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,182.85	723.59
			For Class 52 Rating, Deduct .....	-889.52	
			For Class 54 Rating, Add .....	1,226.13	
			For Class 55 Rating, Add .....	1,829.60	
			For Class 56 Rating, Add .....	2,424.99	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1383 EA 20" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,376.39	726.15
For Class 52 Rating, Deduct	-910.38	
For Class 54 Rating, Add	1,254.63	
For Class 55 Rating, Add	1,871.99	
For Class 56 Rating, Add	2,481.08	
40 05 19 00-1384 EA 20" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,569.93	728.72
For Class 52 Rating, Deduct	-931.24	
For Class 54 Rating, Add	1,283.12	
For Class 55 Rating, Add	1,914.37	
For Class 56 Rating, Add	2,537.16	
<b>40 05 19 00-1385 24" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b>		
<small>(40 05 19 00-1028)</small>		
40 05 19 00-1386 EA 24" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,943.83	749.24
For Class 52 Rating, Deduct	-198.95	
For Class 54 Rating, Add	284.91	
For Class 55 Rating, Add	430.57	
For Class 56 Rating, Add	574.41	
40 05 19 00-1387 EA 24" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,182.72	751.82
For Class 52 Rating, Deduct	-224.80	
For Class 54 Rating, Add	320.21	
For Class 55 Rating, Add	483.06	
For Class 56 Rating, Add	643.87	
40 05 19 00-1388 EA 24" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,421.62	754.38
For Class 52 Rating, Deduct	-250.65	
For Class 54 Rating, Add	355.51	
For Class 55 Rating, Add	535.56	
For Class 56 Rating, Add	713.34	
40 05 19 00-1389 EA 24" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,660.52	756.94
For Class 52 Rating, Deduct	-276.50	
For Class 54 Rating, Add	390.81	
For Class 55 Rating, Add	588.06	
For Class 56 Rating, Add	782.81	
40 05 19 00-1390 EA 24" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,899.42	759.51
For Class 52 Rating, Deduct	-302.35	
For Class 54 Rating, Add	426.11	
For Class 55 Rating, Add	640.57	
For Class 56 Rating, Add	852.28	
40 05 19 00-1391 EA 24" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,138.32	762.08
For Class 52 Rating, Deduct	-328.20	
For Class 54 Rating, Add	461.40	
For Class 55 Rating, Add	693.07	
For Class 56 Rating, Add	921.74	
40 05 19 00-1392 EA 24" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,377.21	764.65
For Class 52 Rating, Deduct	-354.05	
For Class 54 Rating, Add	496.70	
For Class 55 Rating, Add	745.57	
For Class 56 Rating, Add	991.21	
40 05 19 00-1393 EA 24" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,616.11	767.20
For Class 52 Rating, Deduct	-379.90	
For Class 54 Rating, Add	532.00	
For Class 55 Rating, Add	798.07	
For Class 56 Rating, Add	1,060.68	
40 05 19 00-1394 EA 24" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,854.99	769.78
For Class 52 Rating, Deduct	-405.75	
For Class 54 Rating, Add	567.30	
For Class 55 Rating, Add	850.57	
For Class 56 Rating, Add	1,130.15	
40 05 19 00-1395 EA 24" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,093.89	772.34
For Class 52 Rating, Deduct	-431.60	
For Class 54 Rating, Add	602.59	
For Class 55 Rating, Add	903.07	
For Class 56 Rating, Add	1,199.61	
40 05 19 00-1396 EA 24" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,332.79	774.90
For Class 52 Rating, Deduct	-457.46	
For Class 54 Rating, Add	637.89	
For Class 55 Rating, Add	955.57	
For Class 56 Rating, Add	1,269.08	
40 05 19 00-1397 EA 24" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,571.69	777.47
For Class 52 Rating, Deduct	-483.31	
For Class 54 Rating, Add	673.19	
For Class 55 Rating, Add	1,008.07	
For Class 56 Rating, Add	1,338.55	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1398	EA		24" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,810.59	780.04
			For Class 52 Rating, Deduct	-509.16	
			For Class 54 Rating, Add	708.49	
			For Class 55 Rating, Add	1,060.57	
			For Class 56 Rating, Add	1,408.02	
40 05 19 00-1399	EA		24" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,049.49	782.61
			For Class 52 Rating, Deduct	-535.01	
			For Class 54 Rating, Add	743.79	
			For Class 55 Rating, Add	1,113.07	
			For Class 56 Rating, Add	1,477.49	
40 05 19 00-1400	EA		24" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,288.38	785.17
			For Class 52 Rating, Deduct	-560.86	
			For Class 54 Rating, Add	779.09	
			For Class 55 Rating, Add	1,165.57	
			For Class 56 Rating, Add	1,546.95	
40 05 19 00-1401	EA		24" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,527.28	787.74
			For Class 52 Rating, Deduct	-586.71	
			For Class 54 Rating, Add	814.38	
			For Class 55 Rating, Add	1,218.07	
			For Class 56 Rating, Add	1,616.42	
40 05 19 00-1402	EA		24" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,766.17	790.30
			For Class 52 Rating, Deduct	-612.56	
			For Class 54 Rating, Add	849.68	
			For Class 55 Rating, Add	1,270.57	
			For Class 56 Rating, Add	1,685.89	
40 05 19 00-1403	EA		24" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,005.07	792.87
			For Class 52 Rating, Deduct	-638.41	
			For Class 54 Rating, Add	884.98	
			For Class 55 Rating, Add	1,323.07	
			For Class 56 Rating, Add	1,755.35	
40 05 19 00-1404	EA		24" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,243.96	795.43
			For Class 52 Rating, Deduct	-664.26	
			For Class 54 Rating, Add	920.28	
			For Class 55 Rating, Add	1,375.57	
			For Class 56 Rating, Add	1,824.82	
40 05 19 00-1405	EA		24" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,482.86	798.00
			For Class 52 Rating, Deduct	-690.11	
			For Class 54 Rating, Add	955.57	
			For Class 55 Rating, Add	1,428.07	
			For Class 56 Rating, Add	1,894.29	
40 05 19 00-1406	EA		24" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,721.76	800.57
			For Class 52 Rating, Deduct	-715.97	
			For Class 54 Rating, Add	990.87	
			For Class 55 Rating, Add	1,480.57	
			For Class 56 Rating, Add	1,963.76	
40 05 19 00-1407	EA		24" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,960.65	803.13
			For Class 52 Rating, Deduct	-741.82	
			For Class 54 Rating, Add	1,026.17	
			For Class 55 Rating, Add	1,533.07	
			For Class 56 Rating, Add	2,033.23	
40 05 19 00-1408	EA		24" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,199.55	805.69
			For Class 52 Rating, Deduct	-767.67	
			For Class 54 Rating, Add	1,061.47	
			For Class 55 Rating, Add	1,585.57	
			For Class 56 Rating, Add	2,102.69	
40 05 19 00-1409	EA		24" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,438.45	808.27
			For Class 52 Rating, Deduct	-793.52	
			For Class 54 Rating, Add	1,096.77	
			For Class 55 Rating, Add	1,638.07	
			For Class 56 Rating, Add	2,172.16	
40 05 19 00-1410	EA		24" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,677.34	810.84
			For Class 52 Rating, Deduct	-819.37	
			For Class 54 Rating, Add	1,132.06	
			For Class 55 Rating, Add	1,690.57	
			For Class 56 Rating, Add	2,241.63	
40 05 19 00-1411	EA		24" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,916.24	813.39
			For Class 52 Rating, Deduct	-845.22	
			For Class 54 Rating, Add	1,167.36	
			For Class 55 Rating, Add	1,743.07	
			For Class 56 Rating, Add	2,311.09	
40 05 19 00-1412	EA		24" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,155.14	815.97
			For Class 52 Rating, Deduct	-871.07	
			For Class 54 Rating, Add	1,202.66	
			For Class 55 Rating, Add	1,795.57	
			For Class 56 Rating, Add	2,380.56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1413 EA 24" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,394.04	818.53
<i>For Class 52 Rating, Deduct</i>	-896.92	
<i>For Class 54 Rating, Add</i>	1,237.96	
<i>For Class 55 Rating, Add</i>	1,848.07	
<i>For Class 56 Rating, Add</i>	2,450.03	
40 05 19 00-1414 EA 24" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,632.94	821.09
<i>For Class 52 Rating, Deduct</i>	-922.77	
<i>For Class 54 Rating, Add</i>	1,273.26	
<i>For Class 55 Rating, Add</i>	1,900.57	
<i>For Class 56 Rating, Add</i>	2,519.50	
40 05 19 00-1415 EA 24" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,937.92	867.28
<i>For Class 52 Rating, Deduct</i>	-948.62	
<i>For Class 54 Rating, Add</i>	1,309.35	
<i>For Class 55 Rating, Add</i>	1,954.66	
<i>For Class 56 Rating, Add</i>	2,591.34	
40 05 19 00-1416 EA 24" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,176.82	869.84
<i>For Class 52 Rating, Deduct</i>	-974.48	
<i>For Class 54 Rating, Add</i>	1,344.65	
<i>For Class 55 Rating, Add</i>	2,007.16	
<i>For Class 56 Rating, Add</i>	2,660.81	
40 05 19 00-1417 EA 24" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,415.72	872.42
<i>For Class 52 Rating, Deduct</i>	-1,000.33	
<i>For Class 54 Rating, Add</i>	1,379.94	
<i>For Class 55 Rating, Add</i>	2,059.66	
<i>For Class 56 Rating, Add</i>	2,730.28	
40 05 19 00-1418 EA 24" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,654.61	874.98
<i>For Class 52 Rating, Deduct</i>	-1,026.18	
<i>For Class 54 Rating, Add</i>	1,415.24	
<i>For Class 55 Rating, Add</i>	2,112.16	
<i>For Class 56 Rating, Add</i>	2,799.75	
40 05 19 00-1419 EA 24" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,893.51	877.54
<i>For Class 52 Rating, Deduct</i>	-1,052.03	
<i>For Class 54 Rating, Add</i>	1,450.54	
<i>For Class 55 Rating, Add</i>	2,164.66	
<i>For Class 56 Rating, Add</i>	2,869.21	
40 05 19 00-1420 EA 24" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,132.40	880.12
<i>For Class 52 Rating, Deduct</i>	-1,077.88	
<i>For Class 54 Rating, Add</i>	1,485.84	
<i>For Class 55 Rating, Add</i>	2,217.16	
<i>For Class 56 Rating, Add</i>	2,938.68	
40 05 19 00-1421 EA 24" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,371.29	882.68
<i>For Class 52 Rating, Deduct</i>	-1,103.73	
<i>For Class 54 Rating, Add</i>	1,521.14	
<i>For Class 55 Rating, Add</i>	2,269.66	
<i>For Class 56 Rating, Add</i>	3,008.15	
40 05 19 00-1422 EA 24" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,610.19	885.24
<i>For Class 52 Rating, Deduct</i>	-1,129.58	
<i>For Class 54 Rating, Add</i>	1,556.43	
<i>For Class 55 Rating, Add</i>	2,322.16	
<i>For Class 56 Rating, Add</i>	3,077.62	
40 05 19 00-1423 EA 24" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,849.09	887.80
<i>For Class 52 Rating, Deduct</i>	-1,155.43	
<i>For Class 54 Rating, Add</i>	1,591.73	
<i>For Class 55 Rating, Add</i>	2,374.66	
<i>For Class 56 Rating, Add</i>	3,147.09	
<b>40 05 19 00-1424 30" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b>		
<small>(40 05 19 00-1028)</small>		
40 05 19 00-1425 EA 30" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,460.34	1,057.17
<i>For Class 52 Rating, Deduct</i>	-314.44	
<i>For Class 54 Rating, Add</i>	448.01	
<i>For Class 55 Rating, Add</i>	675.91	
<i>For Class 56 Rating, Add</i>	900.95	
40 05 19 00-1426 EA 30" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,803.68	1,059.72
<i>For Class 52 Rating, Deduct</i>	-351.78	
<i>For Class 54 Rating, Add</i>	498.97	
<i>For Class 55 Rating, Add</i>	751.70	
<i>For Class 56 Rating, Add</i>	1,001.22	
40 05 19 00-1427 EA 30" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,147.03	1,062.29
<i>For Class 52 Rating, Deduct</i>	-389.13	
<i>For Class 54 Rating, Add</i>	549.94	
<i>For Class 55 Rating, Add</i>	827.49	
<i>For Class 56 Rating, Add</i>	1,101.51	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1428	EA		30" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,490.38	1,064.86
			For Class 52 Rating, Deduct	-426.47	
			For Class 54 Rating, Add	600.91	
			For Class 55 Rating, Add	903.28	
			For Class 56 Rating, Add	1,201.79	
40 05 19 00-1429	EA		30" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,833.72	1,067.43
			For Class 52 Rating, Deduct	-463.81	
			For Class 54 Rating, Add	651.87	
			For Class 55 Rating, Add	979.07	
			For Class 56 Rating, Add	1,302.06	
40 05 19 00-1430	EA		30" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,177.07	1,069.98
			For Class 52 Rating, Deduct	-501.15	
			For Class 54 Rating, Add	702.83	
			For Class 55 Rating, Add	1,054.87	
			For Class 56 Rating, Add	1,402.34	
40 05 19 00-1431	EA		30" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,520.42	1,072.55
			For Class 52 Rating, Deduct	-538.49	
			For Class 54 Rating, Add	753.80	
			For Class 55 Rating, Add	1,130.66	
			For Class 56 Rating, Add	1,502.63	
40 05 19 00-1432	EA		30" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,863.74	1,075.12
			For Class 52 Rating, Deduct	-575.83	
			For Class 54 Rating, Add	804.76	
			For Class 55 Rating, Add	1,206.45	
			For Class 56 Rating, Add	1,602.90	
40 05 19 00-1433	EA		30" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,207.09	1,077.68
			For Class 52 Rating, Deduct	-613.17	
			For Class 54 Rating, Add	855.73	
			For Class 55 Rating, Add	1,282.24	
			For Class 56 Rating, Add	1,703.18	
40 05 19 00-1434	EA		30" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,550.44	1,080.25
			For Class 52 Rating, Deduct	-650.51	
			For Class 54 Rating, Add	906.70	
			For Class 55 Rating, Add	1,358.04	
			For Class 56 Rating, Add	1,803.46	
40 05 19 00-1435	EA		30" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,893.79	1,082.82
			For Class 52 Rating, Deduct	-687.85	
			For Class 54 Rating, Add	957.66	
			For Class 55 Rating, Add	1,433.83	
			For Class 56 Rating, Add	1,903.74	
40 05 19 00-1436	EA		30" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,237.13	1,085.39
			For Class 52 Rating, Deduct	-725.19	
			For Class 54 Rating, Add	1,008.63	
			For Class 55 Rating, Add	1,509.62	
			For Class 56 Rating, Add	2,004.02	
40 05 19 00-1437	EA		30" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,580.48	1,087.94
			For Class 52 Rating, Deduct	-762.53	
			For Class 54 Rating, Add	1,059.59	
			For Class 55 Rating, Add	1,585.41	
			For Class 56 Rating, Add	2,104.30	
40 05 19 00-1438	EA		30" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,923.83	1,090.52
			For Class 52 Rating, Deduct	-799.87	
			For Class 54 Rating, Add	1,110.56	
			For Class 55 Rating, Add	1,661.21	
			For Class 56 Rating, Add	2,204.58	
40 05 19 00-1439	EA		30" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,267.17	1,093.08
			For Class 52 Rating, Deduct	-837.21	
			For Class 54 Rating, Add	1,161.52	
			For Class 55 Rating, Add	1,737.00	
			For Class 56 Rating, Add	2,304.86	
40 05 19 00-1440	EA		30" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,610.51	1,095.64
			For Class 52 Rating, Deduct	-874.55	
			For Class 54 Rating, Add	1,212.49	
			For Class 55 Rating, Add	1,812.79	
			For Class 56 Rating, Add	2,405.14	
40 05 19 00-1441	EA		30" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,953.86	1,098.21
			For Class 52 Rating, Deduct	-911.89	
			For Class 54 Rating, Add	1,263.45	
			For Class 55 Rating, Add	1,888.58	
			For Class 56 Rating, Add	2,505.42	
40 05 19 00-1442	EA		30" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,297.21	1,100.78
			For Class 52 Rating, Deduct	-949.23	
			For Class 54 Rating, Add	1,314.42	
			For Class 55 Rating, Add	1,964.38	
			For Class 56 Rating, Add	2,605.70	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1443 EA 30" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,640.54	1,103.35
<i>For Class 52 Rating, Deduct</i>	-986.57	
<i>For Class 54 Rating, Add</i>	1,365.38	
<i>For Class 55 Rating, Add</i>	2,040.17	
<i>For Class 56 Rating, Add</i>	2,705.98	
40 05 19 00-1444 EA 30" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,983.89	1,105.91
<i>For Class 52 Rating, Deduct</i>	-1,023.91	
<i>For Class 54 Rating, Add</i>	1,416.35	
<i>For Class 55 Rating, Add</i>	2,115.96	
<i>For Class 56 Rating, Add</i>	2,806.26	
40 05 19 00-1445 EA 30" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,327.24	1,108.48
<i>For Class 52 Rating, Deduct</i>	-1,061.25	
<i>For Class 54 Rating, Add</i>	1,467.31	
<i>For Class 55 Rating, Add</i>	2,191.75	
<i>For Class 56 Rating, Add</i>	2,906.54	
40 05 19 00-1446 EA 30" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,670.58	1,111.04
<i>For Class 52 Rating, Deduct</i>	-1,098.59	
<i>For Class 54 Rating, Add</i>	1,518.28	
<i>For Class 55 Rating, Add</i>	2,267.54	
<i>For Class 56 Rating, Add</i>	3,006.82	
40 05 19 00-1447 EA 30" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,013.92	1,113.61
<i>For Class 52 Rating, Deduct</i>	-1,135.93	
<i>For Class 54 Rating, Add</i>	1,569.24	
<i>For Class 55 Rating, Add</i>	2,343.34	
<i>For Class 56 Rating, Add</i>	3,107.10	
40 05 19 00-1448 EA 30" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,357.27	1,116.17
<i>For Class 52 Rating, Deduct</i>	-1,173.27	
<i>For Class 54 Rating, Add</i>	1,620.21	
<i>For Class 55 Rating, Add</i>	2,419.13	
<i>For Class 56 Rating, Add</i>	3,207.38	
40 05 19 00-1449 EA 30" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,700.61	1,118.74
<i>For Class 52 Rating, Deduct</i>	-1,210.61	
<i>For Class 54 Rating, Add</i>	1,671.17	
<i>For Class 55 Rating, Add</i>	2,494.92	
<i>For Class 56 Rating, Add</i>	3,307.66	
40 05 19 00-1450 EA 30" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	13,043.96	1,121.31
<i>For Class 52 Rating, Deduct</i>	-1,247.95	
<i>For Class 54 Rating, Add</i>	1,722.14	
<i>For Class 55 Rating, Add</i>	2,570.71	
<i>For Class 56 Rating, Add</i>	3,407.94	
40 05 19 00-1451 EA 30" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	13,387.31	1,123.87
<i>For Class 52 Rating, Deduct</i>	-1,285.29	
<i>For Class 54 Rating, Add</i>	1,773.10	
<i>For Class 55 Rating, Add</i>	2,646.50	
<i>For Class 56 Rating, Add</i>	3,508.22	
40 05 19 00-1452 EA 30" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	13,730.66	1,126.44
<i>For Class 52 Rating, Deduct</i>	-1,322.63	
<i>For Class 54 Rating, Add</i>	1,824.07	
<i>For Class 55 Rating, Add</i>	2,722.30	
<i>For Class 56 Rating, Add</i>	3,608.50	
40 05 19 00-1453 EA 30" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	14,074.00	1,129.01
<i>For Class 52 Rating, Deduct</i>	-1,359.97	
<i>For Class 54 Rating, Add</i>	1,875.03	
<i>For Class 55 Rating, Add</i>	2,798.09	
<i>For Class 56 Rating, Add</i>	3,708.78	
40 05 19 00-1454 EA 30" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	14,417.34	1,131.58
<i>For Class 52 Rating, Deduct</i>	-1,397.31	
<i>For Class 54 Rating, Add</i>	1,926.00	
<i>For Class 55 Rating, Add</i>	2,873.88	
<i>For Class 56 Rating, Add</i>	3,809.06	
40 05 19 00-1455 EA 30" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	14,760.68	1,134.13
<i>For Class 52 Rating, Deduct</i>	-1,434.65	
<i>For Class 54 Rating, Add</i>	1,976.97	
<i>For Class 55 Rating, Add</i>	2,949.67	
<i>For Class 56 Rating, Add</i>	3,909.34	
40 05 19 00-1456 EA 30" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	15,104.02	1,136.70
<i>For Class 52 Rating, Deduct</i>	-1,471.99	
<i>For Class 54 Rating, Add</i>	2,027.93	
<i>For Class 55 Rating, Add</i>	3,025.46	
<i>For Class 56 Rating, Add</i>	4,009.62	
40 05 19 00-1457 EA 30" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	15,447.37	1,139.27
<i>For Class 52 Rating, Deduct</i>	-1,509.33	
<i>For Class 54 Rating, Add</i>	2,078.90	
<i>For Class 55 Rating, Add</i>	3,101.26	
<i>For Class 56 Rating, Add</i>	4,109.90	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

40 05 19 00-1458	EA	30" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,790.72	1,141.83
		<i>For Class 52 Rating, Deduct</i>	-1,546.67	
		<i>For Class 54 Rating, Add</i>	2,129.86	
		<i>For Class 55 Rating, Add</i>	3,177.05	
		<i>For Class 56 Rating, Add</i>	4,210.18	
40 05 19 00-1459	EA	30" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,134.06	1,144.39
		<i>For Class 52 Rating, Deduct</i>	-1,584.01	
		<i>For Class 54 Rating, Add</i>	2,180.83	
		<i>For Class 55 Rating, Add</i>	3,252.84	
		<i>For Class 56 Rating, Add</i>	4,310.46	
40 05 19 00-1460	EA	30" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,477.41	1,146.97
		<i>For Class 52 Rating, Deduct</i>	-1,621.35	
		<i>For Class 54 Rating, Add</i>	2,231.79	
		<i>For Class 55 Rating, Add</i>	3,328.63	
		<i>For Class 56 Rating, Add</i>	4,410.74	
40 05 19 00-1461	EA	30" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,820.76	1,149.54
		<i>For Class 52 Rating, Deduct</i>	-1,658.69	
		<i>For Class 54 Rating, Add</i>	2,282.76	
		<i>For Class 55 Rating, Add</i>	3,404.43	
		<i>For Class 56 Rating, Add</i>	4,511.02	
40 05 19 00-1462	EA	30" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,164.10	1,152.09
		<i>For Class 52 Rating, Deduct</i>	-1,696.04	
		<i>For Class 54 Rating, Add</i>	2,333.72	
		<i>For Class 55 Rating, Add</i>	3,480.22	
		<i>For Class 56 Rating, Add</i>	4,611.30	

**40 05 19 00-1463 36" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe**

(40 05 19 00-1028)

40 05 19 00-1464	EA	36" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,100.15	1,339.41
		<i>For Class 52 Rating, Deduct</i>	-447.78	
		<i>For Class 54 Rating, Add</i>	634.96	
		<i>For Class 55 Rating, Add</i>	956.48	
		<i>For Class 56 Rating, Add</i>	1,273.93	
40 05 19 00-1465	EA	36" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,565.81	1,341.98
		<i>For Class 52 Rating, Deduct</i>	-498.58	
		<i>For Class 54 Rating, Add</i>	704.28	
		<i>For Class 55 Rating, Add</i>	1,059.55	
		<i>For Class 56 Rating, Add</i>	1,410.29	
40 05 19 00-1466	EA	36" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,031.47	1,344.53
		<i>For Class 52 Rating, Deduct</i>	-549.37	
		<i>For Class 54 Rating, Add</i>	773.59	
		<i>For Class 55 Rating, Add</i>	1,162.62	
		<i>For Class 56 Rating, Add</i>	1,546.65	
40 05 19 00-1467	EA	36" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,497.12	1,347.11
		<i>For Class 52 Rating, Deduct</i>	-600.17	
		<i>For Class 54 Rating, Add</i>	842.90	
		<i>For Class 55 Rating, Add</i>	1,265.68	
		<i>For Class 56 Rating, Add</i>	1,683.01	
40 05 19 00-1468	EA	36" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,962.78	1,349.68
		<i>For Class 52 Rating, Deduct</i>	-650.96	
		<i>For Class 54 Rating, Add</i>	912.21	
		<i>For Class 55 Rating, Add</i>	1,368.75	
		<i>For Class 56 Rating, Add</i>	1,819.38	
40 05 19 00-1469	EA	36" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,428.44	1,352.23
		<i>For Class 52 Rating, Deduct</i>	-701.75	
		<i>For Class 54 Rating, Add</i>	981.52	
		<i>For Class 55 Rating, Add</i>	1,471.82	
		<i>For Class 56 Rating, Add</i>	1,955.74	
40 05 19 00-1470	EA	36" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,894.09	1,354.81
		<i>For Class 52 Rating, Deduct</i>	-752.55	
		<i>For Class 54 Rating, Add</i>	1,050.84	
		<i>For Class 55 Rating, Add</i>	1,574.89	
		<i>For Class 56 Rating, Add</i>	2,092.10	
40 05 19 00-1471	EA	36" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,359.76	1,357.37
		<i>For Class 52 Rating, Deduct</i>	-803.35	
		<i>For Class 54 Rating, Add</i>	1,120.15	
		<i>For Class 55 Rating, Add</i>	1,677.96	
		<i>For Class 56 Rating, Add</i>	2,228.46	
40 05 19 00-1472	EA	36" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,825.42	1,359.94
		<i>For Class 52 Rating, Deduct</i>	-854.14	
		<i>For Class 54 Rating, Add</i>	1,189.46	
		<i>For Class 55 Rating, Add</i>	1,781.03	
		<i>For Class 56 Rating, Add</i>	2,364.83	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1473	EA		36" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,291.08	1,362.50
			For Class 52 Rating, Deduct	-904.93	
			For Class 54 Rating, Add	1,258.77	
			For Class 55 Rating, Add	1,884.10	
			For Class 56 Rating, Add	2,501.19	
40 05 19 00-1474	EA		36" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,756.73	1,365.07
			For Class 52 Rating, Deduct	-955.73	
			For Class 54 Rating, Add	1,328.09	
			For Class 55 Rating, Add	1,987.16	
			For Class 56 Rating, Add	2,637.55	
40 05 19 00-1475	EA		36" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,222.39	1,367.63
			For Class 52 Rating, Deduct	-1,006.52	
			For Class 54 Rating, Add	1,397.40	
			For Class 55 Rating, Add	2,090.23	
			For Class 56 Rating, Add	2,773.91	
40 05 19 00-1476	EA		36" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,688.05	1,370.19
			For Class 52 Rating, Deduct	-1,057.32	
			For Class 54 Rating, Add	1,466.71	
			For Class 55 Rating, Add	2,193.30	
			For Class 56 Rating, Add	2,910.28	
40 05 19 00-1477	EA		36" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,153.72	1,372.77
			For Class 52 Rating, Deduct	-1,108.11	
			For Class 54 Rating, Add	1,536.02	
			For Class 55 Rating, Add	2,296.37	
			For Class 56 Rating, Add	3,046.64	
40 05 19 00-1478	EA		36" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,619.38	1,375.33
			For Class 52 Rating, Deduct	-1,158.91	
			For Class 54 Rating, Add	1,605.34	
			For Class 55 Rating, Add	2,399.44	
			For Class 56 Rating, Add	3,183.00	
40 05 19 00-1479	EA		36" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,085.04	1,377.91
			For Class 52 Rating, Deduct	-1,209.70	
			For Class 54 Rating, Add	1,674.65	
			For Class 55 Rating, Add	2,502.51	
			For Class 56 Rating, Add	3,319.36	
40 05 19 00-1480	EA		36" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,550.70	1,380.46
			For Class 52 Rating, Deduct	-1,260.50	
			For Class 54 Rating, Add	1,743.96	
			For Class 55 Rating, Add	2,605.57	
			For Class 56 Rating, Add	3,455.73	
40 05 19 00-1481	EA		36" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,016.35	1,383.03
			For Class 52 Rating, Deduct	-1,311.29	
			For Class 54 Rating, Add	1,813.27	
			For Class 55 Rating, Add	2,708.64	
			For Class 56 Rating, Add	3,592.09	
40 05 19 00-1482	EA		36" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,482.00	1,385.59
			For Class 52 Rating, Deduct	-1,362.09	
			For Class 54 Rating, Add	1,882.59	
			For Class 55 Rating, Add	2,811.71	
			For Class 56 Rating, Add	3,728.45	
40 05 19 00-1483	EA		36" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,947.66	1,388.17
			For Class 52 Rating, Deduct	-1,412.88	
			For Class 54 Rating, Add	1,951.90	
			For Class 55 Rating, Add	2,914.78	
			For Class 56 Rating, Add	3,864.81	
40 05 19 00-1484	EA		36" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,413.33	1,390.72
			For Class 52 Rating, Deduct	-1,463.68	
			For Class 54 Rating, Add	2,021.21	
			For Class 55 Rating, Add	3,017.85	
			For Class 56 Rating, Add	4,001.18	
40 05 19 00-1485	EA		36" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,878.99	1,393.29
			For Class 52 Rating, Deduct	-1,514.47	
			For Class 54 Rating, Add	2,090.52	
			For Class 55 Rating, Add	3,120.92	
			For Class 56 Rating, Add	4,137.54	
40 05 19 00-1486	EA		36" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,344.65	1,395.87
			For Class 52 Rating, Deduct	-1,565.27	
			For Class 54 Rating, Add	2,159.84	
			For Class 55 Rating, Add	3,223.98	
			For Class 56 Rating, Add	4,273.90	
40 05 19 00-1487	EA		36" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,810.31	1,398.42
			For Class 52 Rating, Deduct	-1,616.06	
			For Class 54 Rating, Add	2,229.15	
			For Class 55 Rating, Add	3,327.05	
			For Class 56 Rating, Add	4,410.26	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

40 05 19 00-1488	EA	36" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,275.97	1,400.99
		<i>For Class 52 Rating, Deduct</i>	-1,666.86	
		<i>For Class 54 Rating, Add</i>	2,298.46	
		<i>For Class 55 Rating, Add</i>	3,430.12	
		<i>For Class 56 Rating, Add</i>	4,546.63	
40 05 19 00-1489	EA	36" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,741.62	1,403.56
		<i>For Class 52 Rating, Deduct</i>	-1,717.65	
		<i>For Class 54 Rating, Add</i>	2,367.77	
		<i>For Class 55 Rating, Add</i>	3,533.19	
		<i>For Class 56 Rating, Add</i>	4,682.99	
40 05 19 00-1490	EA	36" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,207.29	1,406.13
		<i>For Class 52 Rating, Deduct</i>	-1,768.45	
		<i>For Class 54 Rating, Add</i>	2,437.09	
		<i>For Class 55 Rating, Add</i>	3,636.26	
		<i>For Class 56 Rating, Add</i>	4,819.35	
40 05 19 00-1491	EA	36" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,672.94	1,408.68
		<i>For Class 52 Rating, Deduct</i>	-1,819.24	
		<i>For Class 54 Rating, Add</i>	2,506.40	
		<i>For Class 55 Rating, Add</i>	3,739.33	
		<i>For Class 56 Rating, Add</i>	4,955.72	
40 05 19 00-1492	EA	36" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,138.60	1,411.26
		<i>For Class 52 Rating, Deduct</i>	-1,870.04	
		<i>For Class 54 Rating, Add</i>	2,575.71	
		<i>For Class 55 Rating, Add</i>	3,842.39	
		<i>For Class 56 Rating, Add</i>	5,092.08	
40 05 19 00-1493	EA	36" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,604.26	1,413.82
		<i>For Class 52 Rating, Deduct</i>	-1,920.83	
		<i>For Class 54 Rating, Add</i>	2,645.02	
		<i>For Class 55 Rating, Add</i>	3,945.46	
		<i>For Class 56 Rating, Add</i>	5,228.44	
40 05 19 00-1494	EA	36" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,069.92	1,416.38
		<i>For Class 52 Rating, Deduct</i>	-1,971.63	
		<i>For Class 54 Rating, Add</i>	2,714.33	
		<i>For Class 55 Rating, Add</i>	4,048.53	
		<i>For Class 56 Rating, Add</i>	5,364.80	
40 05 19 00-1495	EA	36" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,535.58	1,418.96
		<i>For Class 52 Rating, Deduct</i>	-2,022.42	
		<i>For Class 54 Rating, Add</i>	2,783.65	
		<i>For Class 55 Rating, Add</i>	4,151.60	
		<i>For Class 56 Rating, Add</i>	5,501.16	
40 05 19 00-1496	EA	36" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,001.24	1,421.52
		<i>For Class 52 Rating, Deduct</i>	-2,073.22	
		<i>For Class 54 Rating, Add</i>	2,852.96	
		<i>For Class 55 Rating, Add</i>	4,254.67	
		<i>For Class 56 Rating, Add</i>	5,637.53	
40 05 19 00-1497	EA	36" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,466.90	1,424.09
		<i>For Class 52 Rating, Deduct</i>	-2,124.01	
		<i>For Class 54 Rating, Add</i>	2,922.27	
		<i>For Class 55 Rating, Add</i>	4,357.74	
		<i>For Class 56 Rating, Add</i>	5,773.89	
40 05 19 00-1498	EA	36" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,932.56	1,426.64
		<i>For Class 52 Rating, Deduct</i>	-2,174.81	
		<i>For Class 54 Rating, Add</i>	2,991.58	
		<i>For Class 55 Rating, Add</i>	4,460.80	
		<i>For Class 56 Rating, Add</i>	5,910.25	
40 05 19 00-1499	EA	36" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,398.22	1,429.22
		<i>For Class 52 Rating, Deduct</i>	-2,225.60	
		<i>For Class 54 Rating, Add</i>	3,060.90	
		<i>For Class 55 Rating, Add</i>	4,563.87	
		<i>For Class 56 Rating, Add</i>	6,046.62	
40 05 19 00-1500	EA	36" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,863.88	1,431.78
		<i>For Class 52 Rating, Deduct</i>	-2,276.40	
		<i>For Class 54 Rating, Add</i>	3,130.21	
		<i>For Class 55 Rating, Add</i>	4,666.94	
		<i>For Class 56 Rating, Add</i>	6,182.98	
40 05 19 00-1501	EA	36" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,329.54	1,434.34
		<i>For Class 52 Rating, Deduct</i>	-2,327.19	
		<i>For Class 54 Rating, Add</i>	3,199.52	
		<i>For Class 55 Rating, Add</i>	4,770.01	
		<i>For Class 56 Rating, Add</i>	6,319.34	

40 05 19 00-1502 42" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-1028)

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1503 EA 42" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,015.56	1,688.38
<i>For Class 52 Rating, Deduct</i>	-600.32	
<i>For Class 54 Rating, Add</i>	849.31	
<i>For Class 55 Rating, Add</i>	1,278.40	
<i>For Class 56 Rating, Add</i>	1,702.03	
40 05 19 00-1504 EA 42" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,709.36	1,690.93
<i>For Class 52 Rating, Deduct</i>	-676.21	
<i>For Class 54 Rating, Add</i>	952.84	
<i>For Class 55 Rating, Add</i>	1,432.34	
<i>For Class 56 Rating, Add</i>	1,905.70	
40 05 19 00-1505 EA 42" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,394.91	1,693.51
<i>For Class 52 Rating, Deduct</i>	-751.19	
<i>For Class 54 Rating, Add</i>	1,055.14	
<i>For Class 55 Rating, Add</i>	1,584.45	
<i>For Class 56 Rating, Add</i>	2,106.93	
40 05 19 00-1506 EA 42" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,087.33	1,696.07
<i>For Class 52 Rating, Deduct</i>	-826.93	
<i>For Class 54 Rating, Add</i>	1,158.47	
<i>For Class 55 Rating, Add</i>	1,738.08	
<i>For Class 56 Rating, Add</i>	2,310.18	
40 05 19 00-1507 EA 42" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,772.88	1,698.64
<i>For Class 52 Rating, Deduct</i>	-901.91	
<i>For Class 54 Rating, Add</i>	1,260.76	
<i>For Class 55 Rating, Add</i>	1,890.19	
<i>For Class 56 Rating, Add</i>	2,511.41	
40 05 19 00-1508 EA 42" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,466.68	1,701.20
<i>For Class 52 Rating, Deduct</i>	-977.80	
<i>For Class 54 Rating, Add</i>	1,364.30	
<i>For Class 55 Rating, Add</i>	2,044.13	
<i>For Class 56 Rating, Add</i>	2,715.08	
40 05 19 00-1509 EA 42" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,150.86	1,703.77
<i>For Class 52 Rating, Deduct</i>	-1,052.63	
<i>For Class 54 Rating, Add</i>	1,466.39	
<i>For Class 55 Rating, Add</i>	2,195.93	
<i>For Class 56 Rating, Add</i>	2,915.90	
40 05 19 00-1510 EA 42" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,844.66	1,706.33
<i>For Class 52 Rating, Deduct</i>	-1,128.52	
<i>For Class 54 Rating, Add</i>	1,569.92	
<i>For Class 55 Rating, Add</i>	2,349.87	
<i>For Class 56 Rating, Add</i>	3,119.57	
40 05 19 00-1511 EA 42" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,530.21	1,708.91
<i>For Class 52 Rating, Deduct</i>	-1,203.51	
<i>For Class 54 Rating, Add</i>	1,672.22	
<i>For Class 55 Rating, Add</i>	2,501.98	
<i>For Class 56 Rating, Add</i>	3,320.80	
40 05 19 00-1512 EA 42" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,222.64	1,711.47
<i>For Class 52 Rating, Deduct</i>	-1,279.25	
<i>For Class 54 Rating, Add</i>	1,775.54	
<i>For Class 55 Rating, Add</i>	2,655.61	
<i>For Class 56 Rating, Add</i>	3,524.06	
40 05 19 00-1513 EA 42" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,908.18	1,714.03
<i>For Class 52 Rating, Deduct</i>	-1,354.23	
<i>For Class 54 Rating, Add</i>	1,877.84	
<i>For Class 55 Rating, Add</i>	2,807.72	
<i>For Class 56 Rating, Add</i>	3,725.28	
40 05 19 00-1514 EA 42" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,600.59	1,716.61
<i>For Class 52 Rating, Deduct</i>	-1,429.97	
<i>For Class 54 Rating, Add</i>	1,981.16	
<i>For Class 55 Rating, Add</i>	2,961.35	
<i>For Class 56 Rating, Add</i>	3,928.54	
40 05 19 00-1515 EA 42" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,286.15	1,719.16
<i>For Class 52 Rating, Deduct</i>	-1,504.95	
<i>For Class 54 Rating, Add</i>	2,083.46	
<i>For Class 55 Rating, Add</i>	3,113.46	
<i>For Class 56 Rating, Add</i>	4,129.77	
40 05 19 00-1516 EA 42" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,973.07	1,721.73
<i>For Class 52 Rating, Deduct</i>	-1,580.08	
<i>For Class 54 Rating, Add</i>	2,185.96	
<i>For Class 55 Rating, Add</i>	3,265.87	
<i>For Class 56 Rating, Add</i>	4,331.41	
40 05 19 00-1517 EA 42" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,664.12	1,724.30
<i>For Class 52 Rating, Deduct</i>	-1,655.67	
<i>For Class 54 Rating, Add</i>	2,289.08	
<i>For Class 55 Rating, Add</i>	3,419.20	
<i>For Class 56 Rating, Add</i>	4,534.26	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1518	EA		42" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	18,349.68	1,726.87
			For Class 52 Rating, Deduct .....	-1,730.65	
			For Class 54 Rating, Add .....	2,391.38	
			For Class 55 Rating, Add .....	3,571.30	
			For Class 56 Rating, Add .....	4,735.49	
40 05 19 00-1519	EA		42" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	19,043.47	1,729.42
			For Class 52 Rating, Deduct .....	-1,806.54	
			For Class 54 Rating, Add .....	2,494.91	
			For Class 55 Rating, Add .....	3,725.24	
			For Class 56 Rating, Add .....	4,939.15	
40 05 19 00-1520	EA		42" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	19,729.02	1,732.00
			For Class 52 Rating, Deduct .....	-1,881.53	
			For Class 54 Rating, Add .....	2,597.21	
			For Class 55 Rating, Add .....	3,877.35	
			For Class 56 Rating, Add .....	5,140.39	
40 05 19 00-1521	EA		42" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	20,421.44	1,734.56
			For Class 52 Rating, Deduct .....	-1,957.27	
			For Class 54 Rating, Add .....	2,700.54	
			For Class 55 Rating, Add .....	4,030.99	
			For Class 56 Rating, Add .....	5,343.64	
40 05 19 00-1522	EA		42" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	21,106.99	1,737.12
			For Class 52 Rating, Deduct .....	-2,032.25	
			For Class 54 Rating, Add .....	2,802.83	
			For Class 55 Rating, Add .....	4,183.09	
			For Class 56 Rating, Add .....	5,544.87	
40 05 19 00-1523	EA		42" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	21,800.79	1,739.69
			For Class 52 Rating, Deduct .....	-2,108.14	
			For Class 54 Rating, Add .....	2,906.36	
			For Class 55 Rating, Add .....	4,337.03	
			For Class 56 Rating, Add .....	5,748.53	
40 05 19 00-1524	EA		42" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	22,486.35	1,742.26
			For Class 52 Rating, Deduct .....	-2,183.12	
			For Class 54 Rating, Add .....	3,008.66	
			For Class 55 Rating, Add .....	4,489.14	
			For Class 56 Rating, Add .....	5,949.77	
40 05 19 00-1525	EA		42" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	23,178.76	1,744.83
			For Class 52 Rating, Deduct .....	-2,258.86	
			For Class 54 Rating, Add .....	3,111.99	
			For Class 55 Rating, Add .....	4,642.77	
			For Class 56 Rating, Add .....	6,153.02	
40 05 19 00-1526	EA		42" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	23,864.31	1,747.38
			For Class 52 Rating, Deduct .....	-2,333.84	
			For Class 54 Rating, Add .....	3,214.28	
			For Class 55 Rating, Add .....	4,794.88	
			For Class 56 Rating, Add .....	6,354.25	
40 05 19 00-1527	EA		42" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	24,558.11	1,749.96
			For Class 52 Rating, Deduct .....	-2,409.73	
			For Class 54 Rating, Add .....	3,317.82	
			For Class 55 Rating, Add .....	4,948.82	
			For Class 56 Rating, Add .....	6,557.92	
40 05 19 00-1528	EA		42" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	25,243.65	1,752.52
			For Class 52 Rating, Deduct .....	-2,484.72	
			For Class 54 Rating, Add .....	3,420.11	
			For Class 55 Rating, Add .....	5,100.92	
			For Class 56 Rating, Add .....	6,759.15	
40 05 19 00-1529	EA		42" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	25,934.70	1,755.08
			For Class 52 Rating, Deduct .....	-2,560.30	
			For Class 54 Rating, Add .....	3,523.23	
			For Class 55 Rating, Add .....	5,254.25	
			For Class 56 Rating, Add .....	6,962.00	
40 05 19 00-1530	EA		42" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	26,621.63	1,757.65
			For Class 52 Rating, Deduct .....	-2,635.44	
			For Class 54 Rating, Add .....	3,625.74	
			For Class 55 Rating, Add .....	5,406.66	
			For Class 56 Rating, Add .....	7,163.64	
40 05 19 00-1531	EA		42" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	27,169.75	1,760.22
			For Class 52 Rating, Deduct .....	-2,695.30	
			For Class 54 Rating, Add .....	3,707.42	
			For Class 55 Rating, Add .....	5,528.12	
			For Class 56 Rating, Add .....	7,324.32	
40 05 19 00-1532	EA		42" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	27,999.61	1,762.79
			For Class 52 Rating, Deduct .....	-2,786.16	
			For Class 54 Rating, Add .....	3,831.36	
			For Class 55 Rating, Add .....	5,712.41	
			For Class 56 Rating, Add .....	7,568.12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1533 EA 42" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,685.16	1,765.35
For Class 52 Rating, Deduct	-2,861.14	
For Class 54 Rating, Add	3,933.65	
For Class 55 Rating, Add	5,864.51	
For Class 56 Rating, Add	7,769.35	
40 05 19 00-1534 EA 42" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,377.58	1,767.92
For Class 52 Rating, Deduct	-2,936.88	
For Class 54 Rating, Add	4,036.98	
For Class 55 Rating, Add	6,018.15	
For Class 56 Rating, Add	7,972.61	
40 05 19 00-1535 EA 42" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,063.13	1,770.48
For Class 52 Rating, Deduct	-3,011.86	
For Class 54 Rating, Add	4,139.28	
For Class 55 Rating, Add	6,170.25	
For Class 56 Rating, Add	8,173.84	
40 05 19 00-1536 EA 42" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,756.92	1,773.06
For Class 52 Rating, Deduct	-3,087.75	
For Class 54 Rating, Add	4,242.81	
For Class 55 Rating, Add	6,324.19	
For Class 56 Rating, Add	8,377.51	
40 05 19 00-1537 EA 42" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,441.09	1,775.61
For Class 52 Rating, Deduct	-3,162.58	
For Class 54 Rating, Add	4,344.90	
For Class 55 Rating, Add	6,475.99	
For Class 56 Rating, Add	8,578.33	
40 05 19 00-1538 EA 42" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,134.89	1,778.18
For Class 52 Rating, Deduct	-3,238.47	
For Class 54 Rating, Add	4,448.43	
For Class 55 Rating, Add	6,629.93	
For Class 56 Rating, Add	8,781.99	
40 05 19 00-1539 EA 42" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,820.45	1,780.75
For Class 52 Rating, Deduct	-3,313.46	
For Class 54 Rating, Add	4,550.73	
For Class 55 Rating, Add	6,782.04	
For Class 56 Rating, Add	8,983.22	
40 05 19 00-1540 EA 42" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,512.87	1,783.31
For Class 52 Rating, Deduct	-3,389.20	
For Class 54 Rating, Add	4,654.06	
For Class 55 Rating, Add	6,935.67	
For Class 56 Rating, Add	9,186.48	
<b>40 05 19 00-1541 48" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b>		
<small>(40 05 19 00-1028)</small>		
40 05 19 00-1542 EA 48" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,312.16	2,122.01
For Class 52 Rating, Deduct	-780.67	
For Class 54 Rating, Add	1,103.13	
For Class 55 Rating, Add	1,659.79	
For Class 56 Rating, Add	2,209.36	
40 05 19 00-1543 EA 48" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,320.68	2,124.57
For Class 52 Rating, Deduct	-891.18	
For Class 54 Rating, Add	1,253.87	
For Class 55 Rating, Add	1,883.92	
For Class 56 Rating, Add	2,505.86	
40 05 19 00-1544 EA 48" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,327.82	2,127.15
For Class 52 Rating, Deduct	-1,001.54	
For Class 54 Rating, Add	1,404.41	
For Class 55 Rating, Add	2,107.74	
For Class 56 Rating, Add	2,801.96	
40 05 19 00-1545 EA 48" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,343.21	2,129.72
For Class 52 Rating, Deduct	-1,112.80	
For Class 54 Rating, Add	1,556.18	
For Class 55 Rating, Add	2,333.39	
For Class 56 Rating, Add	3,100.50	
40 05 19 00-1546 EA 48" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,351.73	2,132.27
For Class 52 Rating, Deduct	-1,223.31	
For Class 54 Rating, Add	1,706.92	
For Class 55 Rating, Add	2,557.52	
For Class 56 Rating, Add	3,397.00	
40 05 19 00-1547 EA 48" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,360.24	2,134.85
For Class 52 Rating, Deduct	-1,333.82	
For Class 54 Rating, Add	1,857.66	
For Class 55 Rating, Add	2,781.65	
For Class 56 Rating, Add	3,693.51	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1548	EA		48" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	16,374.25	2,137.41
			For Class 52 Rating, Deduct .....	-1,444.93	
			For Class 54 Rating, Add .....	2,009.22	
			For Class 55 Rating, Add .....	3,007.00	
			For Class 56 Rating, Add .....	3,991.63	
40 05 19 00-1549	EA		48" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	17,384.13	2,139.97
			For Class 52 Rating, Deduct .....	-1,555.59	
			For Class 54 Rating, Add .....	2,160.17	
			For Class 55 Rating, Add .....	3,231.43	
			For Class 56 Rating, Add .....	4,288.54	
40 05 19 00-1550	EA		48" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	18,391.28	2,142.54
			For Class 52 Rating, Deduct .....	-1,665.95	
			For Class 54 Rating, Add .....	2,310.71	
			For Class 55 Rating, Add .....	3,455.25	
			For Class 56 Rating, Add .....	4,584.64	
40 05 19 00-1551	EA		48" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	19,406.67	2,145.11
			For Class 52 Rating, Deduct .....	-1,777.22	
			For Class 54 Rating, Add .....	2,462.48	
			For Class 55 Rating, Add .....	3,680.91	
			For Class 56 Rating, Add .....	4,883.18	
40 05 19 00-1552	EA		48" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	20,415.18	2,147.67
			For Class 52 Rating, Deduct .....	-1,887.72	
			For Class 54 Rating, Add .....	2,613.22	
			For Class 55 Rating, Add .....	3,905.03	
			For Class 56 Rating, Add .....	5,179.68	
40 05 19 00-1553	EA		48" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	21,430.57	2,150.24
			For Class 52 Rating, Deduct .....	-1,998.99	
			For Class 54 Rating, Add .....	2,764.99	
			For Class 55 Rating, Add .....	4,130.69	
			For Class 56 Rating, Add .....	5,478.21	
40 05 19 00-1554	EA		48" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	22,437.72	2,152.81
			For Class 52 Rating, Deduct .....	-2,109.35	
			For Class 54 Rating, Add .....	2,915.53	
			For Class 55 Rating, Add .....	4,354.51	
			For Class 56 Rating, Add .....	5,774.31	
40 05 19 00-1555	EA		48" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	23,446.23	2,155.37
			For Class 52 Rating, Deduct .....	-2,219.86	
			For Class 54 Rating, Add .....	3,066.27	
			For Class 55 Rating, Add .....	4,578.63	
			For Class 56 Rating, Add .....	6,070.82	
40 05 19 00-1556	EA		48" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	24,461.61	2,157.95
			For Class 52 Rating, Deduct .....	-2,331.12	
			For Class 54 Rating, Add .....	3,218.04	
			For Class 55 Rating, Add .....	4,804.29	
			For Class 56 Rating, Add .....	6,369.35	
40 05 19 00-1557	EA		48" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	25,470.13	2,160.50
			For Class 52 Rating, Deduct .....	-2,441.63	
			For Class 54 Rating, Add .....	3,368.78	
			For Class 55 Rating, Add .....	5,028.41	
			For Class 56 Rating, Add .....	6,665.85	
40 05 19 00-1558	EA		48" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	26,477.27	2,163.07
			For Class 52 Rating, Deduct .....	-2,551.99	
			For Class 54 Rating, Add .....	3,519.31	
			For Class 55 Rating, Add .....	5,252.23	
			For Class 56 Rating, Add .....	6,961.96	
40 05 19 00-1559	EA		48" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	27,492.66	2,165.64
			For Class 52 Rating, Deduct .....	-2,663.25	
			For Class 54 Rating, Add .....	3,671.09	
			For Class 55 Rating, Add .....	5,477.89	
			For Class 56 Rating, Add .....	7,260.49	
40 05 19 00-1560	EA		48" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	28,501.17	2,168.20
			For Class 52 Rating, Deduct .....	-2,773.76	
			For Class 54 Rating, Add .....	3,821.82	
			For Class 55 Rating, Add .....	5,702.02	
			For Class 56 Rating, Add .....	7,556.99	
40 05 19 00-1561	EA		48" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	29,508.32	2,170.76
			For Class 52 Rating, Deduct .....	-2,884.12	
			For Class 54 Rating, Add .....	3,972.36	
			For Class 55 Rating, Add .....	5,925.84	
			For Class 56 Rating, Add .....	7,853.09	
40 05 19 00-1562	EA		48" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	30,523.71	2,173.33
			For Class 52 Rating, Deduct .....	-2,995.39	
			For Class 54 Rating, Add .....	4,124.13	
			For Class 55 Rating, Add .....	6,151.49	
			For Class 56 Rating, Add .....	8,151.63	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1563	EA		48" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,533.60	2,175.91
			<i>For Class 52 Rating, Deduct</i>	-3,106.05	
			<i>For Class 54 Rating, Add</i>	4,275.08	
			<i>For Class 55 Rating, Add</i>	6,375.93	
			<i>For Class 56 Rating, Add</i>	8,448.54	
40 05 19 00-1564	EA		48" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,540.73	2,178.46
			<i>For Class 52 Rating, Deduct</i>	-3,216.40	
			<i>For Class 54 Rating, Add</i>	4,425.61	
			<i>For Class 55 Rating, Add</i>	6,599.74	
			<i>For Class 56 Rating, Add</i>	8,744.63	
40 05 19 00-1565	EA		48" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,556.12	2,181.03
			<i>For Class 52 Rating, Deduct</i>	-3,327.67	
			<i>For Class 54 Rating, Add</i>	4,577.38	
			<i>For Class 55 Rating, Add</i>	6,825.40	
			<i>For Class 56 Rating, Add</i>	9,043.17	
40 05 19 00-1566	EA		48" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,564.64	2,183.60
			<i>For Class 52 Rating, Deduct</i>	-3,438.18	
			<i>For Class 54 Rating, Add</i>	4,728.13	
			<i>For Class 55 Rating, Add</i>	7,049.53	
			<i>For Class 56 Rating, Add</i>	9,339.67	
40 05 19 00-1567	EA		48" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,571.78	2,186.16
			<i>For Class 52 Rating, Deduct</i>	-3,548.54	
			<i>For Class 54 Rating, Add</i>	4,878.66	
			<i>For Class 55 Rating, Add</i>	7,273.35	
			<i>For Class 56 Rating, Add</i>	9,635.77	
40 05 19 00-1568	EA		48" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,587.17	2,188.72
			<i>For Class 52 Rating, Deduct</i>	-3,659.80	
			<i>For Class 54 Rating, Add</i>	5,030.43	
			<i>For Class 55 Rating, Add</i>	7,499.00	
			<i>For Class 56 Rating, Add</i>	9,934.30	
40 05 19 00-1569	EA		48" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,595.68	2,191.30
			<i>For Class 52 Rating, Deduct</i>	-3,770.31	
			<i>For Class 54 Rating, Add</i>	5,181.17	
			<i>For Class 55 Rating, Add</i>	7,723.13	
			<i>For Class 56 Rating, Add</i>	10,230.81	
40 05 19 00-1570	EA		48" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,480.51	2,193.86
			<i>For Class 52 Rating, Deduct</i>	-3,867.21	
			<i>For Class 54 Rating, Add</i>	5,313.36	
			<i>For Class 55 Rating, Add</i>	7,919.67	
			<i>For Class 56 Rating, Add</i>	10,490.83	
40 05 19 00-1571	EA		48" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,619.58	2,196.42
			<i>For Class 52 Rating, Deduct</i>	-3,992.08	
			<i>For Class 54 Rating, Add</i>	5,483.69	
			<i>For Class 55 Rating, Add</i>	8,172.91	
			<i>For Class 56 Rating, Add</i>	10,825.85	
40 05 19 00-1572	EA		48" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,626.72	2,198.99
			<i>For Class 52 Rating, Deduct</i>	-4,102.44	
			<i>For Class 54 Rating, Add</i>	5,634.22	
			<i>For Class 55 Rating, Add</i>	8,396.73	
			<i>For Class 56 Rating, Add</i>	11,121.95	
40 05 19 00-1573	EA		48" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,643.49	2,201.56
			<i>For Class 52 Rating, Deduct</i>	-4,213.86	
			<i>For Class 54 Rating, Add</i>	5,786.20	
			<i>For Class 55 Rating, Add</i>	8,622.70	
			<i>For Class 56 Rating, Add</i>	11,420.89	
40 05 19 00-1574	EA		48" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	42,650.63	2,204.12
			<i>For Class 52 Rating, Deduct</i>	-4,324.22	
			<i>For Class 54 Rating, Add</i>	5,936.73	
			<i>For Class 55 Rating, Add</i>	8,846.51	
			<i>For Class 56 Rating, Add</i>	11,716.98	
40 05 19 00-1575	EA		48" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	43,657.77	2,206.69
			<i>For Class 52 Rating, Deduct</i>	-4,434.57	
			<i>For Class 54 Rating, Add</i>	6,087.27	
			<i>For Class 55 Rating, Add</i>	9,070.33	
			<i>For Class 56 Rating, Add</i>	12,013.08	
40 05 19 00-1576	EA		48" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	44,674.54	2,209.26
			<i>For Class 52 Rating, Deduct</i>	-4,545.99	
			<i>For Class 54 Rating, Add</i>	6,239.25	
			<i>For Class 55 Rating, Add</i>	9,296.30	
			<i>For Class 56 Rating, Add</i>	12,312.02	
40 05 19 00-1577	EA		48" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	45,681.68	2,211.82
			<i>For Class 52 Rating, Deduct</i>	-4,656.35	
			<i>For Class 54 Rating, Add</i>	6,389.78	
			<i>For Class 55 Rating, Add</i>	9,520.12	
			<i>For Class 56 Rating, Add</i>	12,608.12	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

40 05 19 00-1578	EA	48" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	46,690.20	2,214.39
		<i>For Class 52 Rating, Deduct</i> .....	-4,766.86	
		<i>For Class 54 Rating, Add</i> .....	6,540.52	
		<i>For Class 55 Rating, Add</i> .....	9,744.24	
		<i>For Class 56 Rating, Add</i> .....	12,904.63	
40 05 19 00-1579	EA	48" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	47,705.58	2,216.95
		<i>For Class 52 Rating, Deduct</i> .....	-4,878.12	
		<i>For Class 54 Rating, Add</i> .....	6,692.29	
		<i>For Class 55 Rating, Add</i> .....	9,969.90	
		<i>For Class 56 Rating, Add</i> .....	13,203.16	

**40 05 19 00-1580 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbows** (40 05 19 00-0001)

40 05 19 00-1581	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow .....	368.63	123.79
40 05 19 00-1582	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow .....	520.04	158.30
40 05 19 00-1583	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow .....	732.93	179.31
40 05 19 00-1584	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow .....	1,076.62	227.33
40 05 19 00-1585	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow .....	1,336.16	252.09
40 05 19 00-1586	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow .....	1,670.44	273.84
40 05 19 00-1587	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow .....	2,057.82	337.62
40 05 19 00-1588	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow .....	2,704.63	405.14
40 05 19 00-1589	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow .....	3,330.30	510.19
40 05 19 00-1590	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow .....	5,091.22	577.71
40 05 19 00-1591	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow .....	8,588.21	765.27
40 05 19 00-1592	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow .....	12,201.63	866.56
40 05 19 00-1593	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow .....	20,493.25	990.35
40 05 19 00-1594	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow .....	27,299.55	1,215.43

**40 05 19 00-1595 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbows** (40 05 19 00-0001)

40 05 19 00-1596	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow .....	348.81	123.79
40 05 19 00-1597	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow .....	488.32	158.30
40 05 19 00-1598	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow .....	652.31	179.31
40 05 19 00-1599	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow .....	960.32	227.33
40 05 19 00-1600	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow .....	1,188.14	252.09
40 05 19 00-1601	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow .....	1,369.12	273.84
40 05 19 00-1602	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow .....	1,724.78	337.62
40 05 19 00-1603	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow .....	2,256.61	405.14
40 05 19 00-1604	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow .....	2,921.92	510.19
40 05 19 00-1605	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow .....	3,859.49	577.71
40 05 19 00-1606	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow .....	7,686.88	765.27
40 05 19 00-1607	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow .....	11,543.48	866.56
40 05 19 00-1608	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow .....	17,663.71	990.35
40 05 19 00-1609	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow .....	24,098.64	1,215.43

**40 05 19 00-1610 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbows** (40 05 19 00-0001)

40 05 19 00-1611	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	347.48	123.79
40 05 19 00-1612	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	477.75	158.30
40 05 19 00-1613	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	643.06	179.31
40 05 19 00-1614	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	933.88	227.33
40 05 19 00-1615	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	1,246.29	252.09
40 05 19 00-1616	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	1,552.82	273.84
40 05 19 00-1617	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	1,765.75	337.62
40 05 19 00-1618	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	2,306.83	405.14
40 05 19 00-1619	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	3,139.99	510.19
40 05 19 00-1620	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	4,356.41	577.71
40 05 19 00-1621	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	7,775.43	765.27
40 05 19 00-1622	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	11,747.00	866.56
40 05 19 00-1623	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	18,069.44	990.35
40 05 19 00-1624	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	24,627.28	1,215.43

**40 05 19 00-1625 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbows** (40 05 19 00-0001)

40 05 19 00-1626	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	380.52	123.79
40 05 19 00-1627	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	539.86	158.30
40 05 19 00-1628	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	669.49	179.31
40 05 19 00-1629	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	1,027.72	227.33
40 05 19 00-1630	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	1,419.42	252.09
40 05 19 00-1631	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	1,597.75	273.84
40 05 19 00-1632	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	1,953.42	337.62
40 05 19 00-1633	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	2,306.83	405.14
40 05 19 00-1634	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	3,139.99	510.19
40 05 19 00-1635	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	4,534.83	577.71
40 05 19 00-1636	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	7,863.98	765.27
40 05 19 00-1637	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	11,834.23	866.56
40 05 19 00-1638	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	18,161.95	990.35
40 05 19 00-1639	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	24,813.62	1,215.43

MINOR	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**40 05 19 00-1640**
**Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbows** (40 05 19 00-0001)

40 05 19 00-1641	EA 6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	492.58	141.05
40 05 19 00-1642	EA 8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	610.24	151.56
40 05 19 00-1643	EA 8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	687.93	168.81
40 05 19 00-1644	EA 10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	924.17	175.57
40 05 19 00-1645	EA 10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	975.42	192.82
40 05 19 00-1646	EA 10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,066.66	203.32
40 05 19 00-1647	EA 12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	993.71	188.31
40 05 19 00-1648	EA 12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,120.30	205.57
40 05 19 00-1649	EA 12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,289.51	216.08
40 05 19 00-1650	EA 12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,373.47	240.09
40 05 19 00-1651	EA 14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,289.51	216.08
40 05 19 00-1652	EA 14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,429.67	226.58
40 05 19 00-1653	EA 14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,592.91	250.59
40 05 19 00-1654	EA 14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,764.22	263.34
40 05 19 00-1655	EA 16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,487.18	247.97
40 05 19 00-1656	EA 16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,604.85	258.47
40 05 19 00-1657	EA 16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,843.43	282.48
40 05 19 00-1658	EA 16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,012.85	294.85
40 05 19 00-1659	EA 16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,156.21	305.73
40 05 19 00-1660	EA 18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,740.53	281.72
40 05 19 00-1661	EA 18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,085.52	292.23
40 05 19 00-1662	EA 18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,147.01	316.24
40 05 19 00-1663	EA 18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,267.52	328.62
40 05 19 00-1664	EA 18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,461.11	339.50
40 05 19 00-1665	EA 18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,683.87	371.38
40 05 19 00-1666	EA 20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,248.30	334.24
40 05 19 00-1667	EA 20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,400.34	344.75
40 05 19 00-1668	EA 20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,979.89	368.76
40 05 19 00-1669	EA 20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,092.47	381.13
40 05 19 00-1670	EA 20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,412.93	392.02
40 05 19 00-1671	EA 20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,335.70	423.90
40 05 19 00-1672	EA 20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,550.73	457.66
40 05 19 00-1673	EA 24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,169.07	368.01
40 05 19 00-1674	EA 24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,322.43	378.52
40 05 19 00-1675	EA 24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,575.55	402.51
40 05 19 00-1676	EA 24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,758.18	414.90
40 05 19 00-1677	EA 24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,101.10	425.78
40 05 19 00-1678	EA 24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,420.34	457.66
40 05 19 00-1679	EA 24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,525.69	491.43
40 05 19 00-1680	EA 24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,761.93	485.99
40 05 19 00-1681	EA 30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,665.94	508.68
40 05 19 00-1682	EA 30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,032.64	519.56
40 05 19 00-1683	EA 30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,802.54	551.45
40 05 19 00-1684	EA 30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,910.98	585.21
40 05 19 00-1685	EA 30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,149.60	637.72
40 05 19 00-1686	EA 30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,663.32	671.49
40 05 19 00-1687	EA 36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,813.61	559.32
40 05 19 00-1688	EA 36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	10,129.68	570.20
40 05 19 00-1689	EA 36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	8,228.63	602.09
40 05 19 00-1690	EA 36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	10,753.82	635.86
40 05 19 00-1691	EA 36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	10,282.30	688.37
40 05 19 00-1692	EA 36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	11,212.31	722.13
40 05 19 00-1693	EA 36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	11,959.70	815.92
40 05 19 00-1694	EA 42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	13,844.65	632.10
40 05 19 00-1695	EA 42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	11,668.71	663.99
40 05 19 00-1696	EA 42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	15,728.28	697.75
40 05 19 00-1697	EA 42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	15,473.49	750.26
40 05 19 00-1698	EA 42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	13,498.63	784.03
40 05 19 00-1699	EA 42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	15,908.59	877.81
40 05 19 00-1700	EA 42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	22,482.31	928.46
40 05 19 00-1701	EA 48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	21,516.48	905.95
40 05 19 00-1702	EA 48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	23,399.12	999.74
40 05 19 00-1703	EA 48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	24,083.79	1,050.38
40 05 19 00-1704	EA 48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	30,810.68	1,112.27

**40 05 19 00-1705**
**Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbows** (40 05 19 00-0001)

40 05 19 00-1706	EA 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	441.32	123.79
40 05 19 00-1707	EA 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	682.60	158.30
40 05 19 00-1708	EA 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	1,005.18	179.31
40 05 19 00-1709	EA 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	1,430.81	227.33
40 05 19 00-1710	EA 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	2,024.71	252.09
40 05 19 00-1711	EA 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	2,361.64	273.84
40 05 19 00-1712	EA 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	3,064.88	337.62
40 05 19 00-1713	EA 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	3,797.59	405.14
40 05 19 00-1714	EA 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	5,180.54	510.19
40 05 19 00-1715	EA 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	7,620.77	577.71
40 05 19 00-1716	EA 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	13,429.23	765.27
40 05 19 00-1717	EA 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	20,460.31	866.56
40 05 19 00-1718	EA 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	31,746.68	990.35

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

		TOTAL DIRECT DEMOLITION UNIT COST UNIT COST	
<b>40 05 19 00-1719 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbows With Base</b> <small>(40 05 19 00-0001)</small>			
40 05 19 00-1720	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....	466.43 123.79
40 05 19 00-1721	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....	633.70 158.30
40 05 19 00-1722	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....	1,039.54 179.31
40 05 19 00-1723	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....	1,405.69 227.33
40 05 19 00-1724	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....	1,891.23 252.09
40 05 19 00-1725	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....	2,234.76 273.84
40 05 19 00-1726	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....	2,760.91 337.62
40 05 19 00-1727	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....	3,469.84 405.14
40 05 19 00-1728	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....	4,580.53 510.19
40 05 19 00-1729	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....	6,478.90 577.71
40 05 19 00-1730	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....	10,631.41 765.27
40 05 19 00-1731	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....	15,214.88 866.56
40 05 19 00-1732	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....	28,294.66 990.35
40 05 19 00-1733	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....	30,501.79 1,215.43
<b>40 05 19 00-1734 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tees</b> <small>(40 05 19 00-0001)</small>			
40 05 19 00-1735	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee .....	631.65 198.82
40 05 19 00-1736	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee .....	782.93 244.58
40 05 19 00-1737	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee .....	1,102.34 273.10
40 05 19 00-1738	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee .....	1,584.40 354.88
40 05 19 00-1739	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee .....	2,109.06 387.14
40 05 19 00-1740	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee .....	2,828.73 416.40
40 05 19 00-1741	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee .....	3,202.37 525.18
40 05 19 00-1742	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee .....	3,906.81 600.21
40 05 19 00-1743	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee .....	4,927.92 757.77
40 05 19 00-1744	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee .....	7,270.21 836.55
40 05 19 00-1745	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee .....	12,385.54 1,155.41
40 05 19 00-1746	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee .....	17,868.24 1,324.22
40 05 19 00-1747	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee .....	37,009.69 1,530.55
<b>40 05 19 00-1748 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tees</b> <small>(40 05 19 00-0001)</small>			
40 05 19 00-1749	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	792.44 222.08
40 05 19 00-1750	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	982.96 226.58
40 05 19 00-1751	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	981.22 255.09
40 05 19 00-1752	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	1,298.19 250.59
40 05 19 00-1753	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	1,280.60 279.10
40 05 19 00-1754	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	1,350.17 297.11
40 05 19 00-1755	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	1,647.92 263.34
40 05 19 00-1756	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	1,642.21 291.85
40 05 19 00-1757	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	1,734.26 309.86
40 05 19 00-1758	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	2,066.29 367.63
40 05 19 00-1759	EA	14" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	2,406.57 273.84
40 05 19 00-1760	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	2,353.29 302.36
40 05 19 00-1761	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	2,457.23 320.37
40 05 19 00-1762	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	2,593.66 378.13
40 05 19 00-1763	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	2,750.66 398.02
40 05 19 00-1764	EA	16" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	2,920.09 305.73
40 05 19 00-1765	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	2,688.39 334.24
40 05 19 00-1766	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	2,644.31 352.25
40 05 19 00-1767	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	3,103.20 410.02
40 05 19 00-1768	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	3,010.43 429.91
40 05 19 00-1769	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	3,358.10 448.29
40 05 19 00-1770	EA	18" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	3,572.57 339.50
40 05 19 00-1771	EA	18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	2,688.01 368.01
40 05 19 00-1772	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	3,239.96 386.01
40 05 19 00-1773	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	3,249.52 443.78
40 05 19 00-1774	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	3,537.36 463.66
40 05 19 00-1775	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	3,862.57 482.05
40 05 19 00-1776	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	4,131.07 558.95
40 05 19 00-1777	EA	20" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	7,910.34 392.02
40 05 19 00-1778	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	3,957.02 420.52
40 05 19 00-1779	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	4,038.48 438.53
40 05 19 00-1780	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	4,207.95 496.31
40 05 19 00-1781	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	4,372.89 516.18
40 05 19 00-1782	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	4,428.49 534.57
40 05 19 00-1783	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	5,334.01 611.47
40 05 19 00-1784	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	5,450.71 652.73
40 05 19 00-1785	EA	24" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	5,242.97 425.78
40 05 19 00-1786	EA	24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	4,524.92 454.29
40 05 19 00-1787	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	4,730.62 472.30
40 05 19 00-1788	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	4,917.27 530.06
40 05 19 00-1789	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	5,513.04 549.95
40 05 19 00-1790	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	5,649.27 568.32
40 05 19 00-1791	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	5,837.14 645.23
40 05 19 00-1792	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	7,677.23 686.50
40 05 19 00-1793	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	7,940.19 733.58
40 05 19 00-1794	EA	30" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	9,312.44 548.07
40 05 19 00-1795	EA	30" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	9,367.47 566.08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1796	EA	30"	x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	9,630.78	623.85
40 05 19 00-1797	EA	30"	x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	9,660.91	643.73
40 05 19 00-1798	EA	30"	x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	9,688.76	662.12
40 05 19 00-1799	EA	30"	x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	9,892.50	739.01
40 05 19 00-1800	EA	30"	x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	10,013.17	780.28
40 05 19 00-1801	EA	30"	x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	10,316.38	885.32
40 05 19 00-1802	EA	30"	x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	13,212.80	930.33
40 05 19 00-1803	EA	36"	x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	12,845.00	784.40
40 05 19 00-1804	EA	36"	x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	13,742.82	798.66
40 05 19 00-1805	EA	36"	x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	13,833.85	839.55
40 05 19 00-1806	EA	36"	x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	13,945.52	855.68
40 05 19 00-1807	EA	36"	x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	13,996.77	870.31
40 05 19 00-1808	EA	36"	x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	14,137.33	924.71
40 05 19 00-1809	EA	36"	x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	14,223.24	962.22
40 05 19 00-1810	EA	36"	x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	14,458.91	1,041.00
40 05 19 00-1811	EA	36"	x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	14,781.58	1,080.39
40 05 19 00-1812	EA	36"	x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	19,363.29	1,239.82
40 05 19 00-1813	EA	42"	x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	22,999.81	678.62
40 05 19 00-1814	EA	42"	x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	20,793.04	736.39
40 05 19 00-1815	EA	42"	x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	20,823.17	756.27
40 05 19 00-1816	EA	42"	x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	20,881.42	774.66
40 05 19 00-1817	EA	42"	x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	21,060.04	851.55
40 05 19 00-1818	EA	42"	x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	21,278.52	892.82
40 05 19 00-1819	EA	42"	x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	21,437.66	997.86
40 05 19 00-1820	EA	42"	x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	21,754.33	1,042.87
40 05 19 00-1821	EA	42"	x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	27,565.47	1,267.95
40 05 19 00-1822	EA	42"	x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	35,423.00	1,386.12
40 05 19 00-1823	EA	48"	x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	28,157.75	878.19
40 05 19 00-1824	EA	48"	x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	28,185.60	896.57
40 05 19 00-1825	EA	48"	x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	28,394.63	973.47
40 05 19 00-1826	EA	48"	x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	28,457.15	1,014.73
40 05 19 00-1827	EA	48"	x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	28,739.21	1,119.78
40 05 19 00-1828	EA	48"	x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	29,025.48	1,164.79
40 05 19 00-1829	EA	48"	x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	29,802.64	1,389.88
<b>40 05 19 00-1830 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tees With Base</b> <small>(40 05 19 00-0001)</small>					
40 05 19 00-1831	EA	4"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base .....	681.87	198.82
40 05 19 00-1832	EA	6"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base .....	926.98	244.58
40 05 19 00-1833	EA	8"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base .....	1,350.80	273.10
40 05 19 00-1834	EA	10"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base .....	2,053.57	354.88
40 05 19 00-1835	EA	12"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base .....	2,759.29	387.14
40 05 19 00-1836	EA	14"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base .....	3,082.48	416.40
40 05 19 00-1837	EA	16"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base .....	3,826.17	525.18
40 05 19 00-1838	EA	18"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base .....	4,648.23	600.21
40 05 19 00-1839	EA	20"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base .....	6,207.22	757.77
40 05 19 00-1840	EA	24"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base .....	8,938.07	836.55
40 05 19 00-1841	EA	30"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base .....	14,982.48	1,155.41
40 05 19 00-1842	EA	36"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base .....	21,355.95	1,324.22
<b>40 05 19 00-1843 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wyes</b> <small>(40 05 19 00-0001)</small>					
40 05 19 00-1844	EA	4"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	555.00	198.82
40 05 19 00-1845	EA	6"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	776.32	244.58
40 05 19 00-1846	EA	8"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	1,122.17	273.10
40 05 19 00-1847	EA	10"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	1,474.70	354.88
40 05 19 00-1848	EA	12"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	2,102.46	387.14
40 05 19 00-1849	EA	14"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	2,728.29	416.40
<b>40 05 19 00-1850 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Crosses</b> <small>(40 05 19 00-0001)</small>					
40 05 19 00-1851	EA	4"	x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	762.50	273.84
40 05 19 00-1852	EA	6"	x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,005.98	296.73
40 05 19 00-1853	EA	6"	x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,065.64	330.87
40 05 19 00-1854	EA	8"	x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,240.70	301.61
40 05 19 00-1855	EA	8"	x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,352.49	341.38
40 05 19 00-1856	EA	8"	x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,400.38	366.88
40 05 19 00-1857	EA	10"	x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,604.83	325.62
40 05 19 00-1858	EA	10"	x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,766.84	365.38
40 05 19 00-1859	EA	10"	x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,932.36	390.89
40 05 19 00-1860	EA	10"	x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,398.80	482.42
40 05 19 00-1861	EA	12"	x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,078.21	337.99
40 05 19 00-1862	EA	12"	x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,188.68	377.76
40 05 19 00-1863	EA	12"	x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,355.53	403.27
40 05 19 00-1864	EA	12"	x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,847.08	494.80
40 05 19 00-1865	EA	12"	x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,681.08	522.18
40 05 19 00-1866	EA	14"	x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,609.58	388.64
40 05 19 00-1867	EA	14"	x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,775.10	414.15
40 05 19 00-1868	EA	14"	x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,090.87	505.68
40 05 19 00-1869	EA	14"	x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,361.00	533.06
40 05 19 00-1870	EA	14"	x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,525.77	558.95
40 05 19 00-1871	EA	16"	x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,113.84	420.52
40 05 19 00-1872	EA	16"	x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,303.15	446.04

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

40 05 19 00-1873	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,618.93	537.57
40 05 19 00-1874	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,914.17	564.95
40 05 19 00-1875	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,458.69	590.84
40 05 19 00-1876	EA	16" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,440.76	712.75
40 05 19 00-1877	EA	18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,241.65	454.29
40 05 19 00-1878	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,429.63	479.79
40 05 19 00-1879	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,695.20	571.33
40 05 19 00-1880	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,989.11	598.72
40 05 19 00-1881	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,583.40	624.60
40 05 19 00-1882	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,996.76	746.52
40 05 19 00-1883	EA	18" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,222.64	795.28
40 05 19 00-1884	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,223.87	506.80
40 05 19 00-1885	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,425.08	532.32
40 05 19 00-1886	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,672.13	623.85
40 05 19 00-1887	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,985.88	651.23
40 05 19 00-1888	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,079.29	677.12
40 05 19 00-1889	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,189.13	799.04
40 05 19 00-1890	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,425.57	847.80
40 05 19 00-1891	EA	20" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	7,046.24	1,005.36
40 05 19 00-1892	EA	24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,580.77	540.57
40 05 19 00-1893	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,726.46	566.08
40 05 19 00-1894	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,055.46	657.61
40 05 19 00-1895	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,260.83	684.99
40 05 19 00-1896	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,381.99	710.88
40 05 19 00-1897	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,757.02	832.79
40 05 19 00-1898	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	8,763.10	881.57
40 05 19 00-1899	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	9,265.55	981.17
40 05 19 00-1900	EA	24" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	10,201.18	1,095.40
40 05 19 00-1901	EA	30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	10,302.97	778.78
40 05 19 00-1902	EA	30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	10,371.27	804.66
40 05 19 00-1903	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	10,759.53	926.58
40 05 19 00-1904	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	10,891.56	975.35
40 05 19 00-1905	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	11,451.44	1,132.91
40 05 19 00-1906	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	14,888.26	1,189.18
40 05 19 00-1907	EA	30" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	16,912.38	1,545.55
40 05 19 00-1908	EA	36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	14,555.86	990.73
40 05 19 00-1909	EA	36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	14,589.40	1,012.87
40 05 19 00-1910	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	14,917.12	1,112.27
40 05 19 00-1911	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	15,042.16	1,157.29
40 05 19 00-1912	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	15,504.09	1,288.59
40 05 19 00-1913	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	16,047.35	1,339.23
40 05 19 00-1914	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	21,702.88	1,629.95
40 05 19 00-1915	EA	36" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	23,797.85	1,781.89
40 05 19 00-1916	EA	42" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	21,494.31	891.32
40 05 19 00-1917	EA	42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	21,533.53	917.20
40 05 19 00-1918	EA	42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	21,904.59	1,039.12
40 05 19 00-1919	EA	42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	22,008.89	1,087.89
40 05 19 00-1920	EA	42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	22,527.79	1,245.45
40 05 19 00-1921	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	23,079.57	1,301.72
40 05 19 00-1922	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	29,710.79	1,658.09
40 05 19 00-1923	EA	42" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	41,059.22	1,843.78
40 05 19 00-1924	EA	48" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	30,429.85	2,070.74
40 05 19 00-1925	EA	48" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	28,835.06	1,039.12
40 05 19 00-1926	EA	48" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	29,207.46	1,161.04
40 05 19 00-1927	EA	48" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	29,311.75	1,209.80
40 05 19 00-1928	EA	48" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	29,798.93	1,367.36
40 05 19 00-1929	EA	48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	30,350.71	1,423.63
40 05 19 00-1930	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	31,729.90	1,780.01

## 40 05 19 00-1931 Flanged End x Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducers (40 05 19 00-0001)

40 05 19 00-1932	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	406.67	141.05
40 05 19 00-1933	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	519.05	151.56
40 05 19 00-1934	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	571.63	168.81
40 05 19 00-1935	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	698.17	175.57
40 05 19 00-1936	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	704.49	192.82
40 05 19 00-1937	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	823.48	203.32
40 05 19 00-1938	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	891.94	188.31
40 05 19 00-1939	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	922.06	205.57
40 05 19 00-1940	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,010.66	216.08
40 05 19 00-1941	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,136.91	240.09
40 05 19 00-1942	EA	14" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,395.19	205.57
40 05 19 00-1943	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,111.10	216.08
40 05 19 00-1944	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,228.78	226.58
40 05 19 00-1945	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,351.06	250.59
40 05 19 00-1946	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,313.56	263.34
40 05 19 00-1947	EA	16" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,651.34	230.70
40 05 19 00-1948	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,337.83	247.97
40 05 19 00-1949	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,263.88	258.47
40 05 19 00-1950	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,408.63	282.48
40 05 19 00-1951	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,745.88	294.85
40 05 19 00-1952	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,878.67	305.73
40 05 19 00-1953	EA	18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	2,089.43	281.72
40 05 19 00-1954	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,656.00	292.23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1955 EA 18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,819.25	316.24
40 05 19 00-1956 EA 18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,807.61	328.62
40 05 19 00-1957 EA 18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	2,080.49	339.50
40 05 19 00-1958 EA 18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	2,077.25	371.38
40 05 19 00-1959 EA 20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	2,138.61	334.24
40 05 19 00-1960 EA 20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	2,073.91	344.75
40 05 19 00-1961 EA 20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	2,246.40	368.76
40 05 19 00-1962 EA 20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	2,189.82	381.13
40 05 19 00-1963 EA 20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	2,527.46	392.02
40 05 19 00-1964 EA 20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	2,372.25	423.90
40 05 19 00-1965 EA 20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	2,925.61	457.66
40 05 19 00-1966 EA 24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	2,804.36	378.52
40 05 19 00-1967 EA 24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	3,167.18	402.51
40 05 19 00-1968 EA 24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	3,406.63	414.90
40 05 19 00-1969 EA 24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	3,497.13	425.78
40 05 19 00-1970 EA 24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	3,094.78	457.66
40 05 19 00-1971 EA 24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	3,736.69	491.43
40 05 19 00-1972 EA 24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	3,946.51	485.99
40 05 19 00-1973 EA 30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	5,381.82	551.45
40 05 19 00-1974 EA 30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	5,608.76	585.21
40 05 19 00-1975 EA 30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	6,038.55	637.72
40 05 19 00-1976 EA 30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	6,672.54	671.49
40 05 19 00-1977 EA 36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	7,353.73	602.09
40 05 19 00-1978 EA 36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	7,724.72	635.86
40 05 19 00-1979 EA 36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	8,212.67	688.37
40 05 19 00-1980 EA 36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	8,935.19	722.13
40 05 19 00-1981 EA 36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	10,301.09	815.92
40 05 19 00-1982 EA 42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	12,507.47	874.03
40 05 19 00-1983 EA 42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	14,136.32	777.81
40 05 19 00-1984 EA 42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	15,985.32	928.46
40 05 19 00-1985 EA 48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	15,889.10	905.95
40 05 19 00-1986 EA 48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	17,833.87	999.74
40 05 19 00-1987 EA 48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	19,931.32	1,050.38
40 05 19 00-1988 EA 48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	22,326.01	1,112.27

**40 05 19 00-1989**
**Flanged End x Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducers** (40 05 19 00-0001)

40 05 19 00-1990 EA 6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	442.36	141.05
40 05 19 00-1991 EA 8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	560.02	151.56
40 05 19 00-1992 EA 8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	636.39	168.81
40 05 19 00-1993 EA 10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	698.17	175.57
40 05 19 00-1994 EA 10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	748.10	192.82
40 05 19 00-1995 EA 10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	864.45	203.32
40 05 19 00-1996 EA 12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	891.94	188.31
40 05 19 00-1997 EA 12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	969.64	205.57
40 05 19 00-1998 EA 12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	1,060.88	216.08
40 05 19 00-1999 EA 12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	1,224.13	240.09
40 05 19 00-2000 EA 14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	1,111.10	216.08
40 05 19 00-2001 EA 14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	1,203.67	226.58
40 05 19 00-2002 EA 14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	1,341.80	250.59
40 05 19 00-2003 EA 14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	1,536.91	263.34
40 05 19 00-2004 EA 16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	1,337.83	247.97
40 05 19 00-2005 EA 16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	1,452.86	258.47
40 05 19 00-2006 EA 16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	1,616.12	282.48
40 05 19 00-2007 EA 16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	1,786.85	294.85
40 05 19 00-2008 EA 16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	1,878.67	305.73
40 05 19 00-2009 EA 18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	1,656.00	292.23
40 05 19 00-2010 EA 18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	1,819.25	316.24
40 05 19 00-2011 EA 18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	1,989.99	328.62
40 05 19 00-2012 EA 18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	2,080.49	339.50
40 05 19 00-2013 EA 18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	2,280.78	371.38
40 05 19 00-2014 EA 20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	2,421.43	334.24
40 05 19 00-2015 EA 20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	2,210.03	344.75
40 05 19 00-2016 EA 20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	2,246.40	368.76
40 05 19 00-2017 EA 20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	2,455.46	381.13
40 05 19 00-2018 EA 20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	2,527.46	392.02
40 05 19 00-2019 EA 20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	2,763.45	423.90
40 05 19 00-2020 EA 20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	2,924.29	457.66
40 05 19 00-2021 EA 24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	3,076.61	378.52
40 05 19 00-2022 EA 24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	3,167.18	402.51
40 05 19 00-2023 EA 24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	3,240.11	414.90
40 05 19 00-2024 EA 24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	3,310.79	425.78
40 05 19 00-2025 EA 24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	3,550.73	457.66
40 05 19 00-2026 EA 24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	3,736.69	491.43
40 05 19 00-2027 EA 24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	3,946.51	485.99
40 05 19 00-2028 EA 30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	6,442.34	519.56
40 05 19 00-2029 EA 30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	6,285.80	551.45
40 05 19 00-2030 EA 30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	5,637.83	585.21
40 05 19 00-2031 EA 30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	6,038.55	637.72
40 05 19 00-2032 EA 30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	6,672.54	671.49
40 05 19 00-2033 EA 36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	7,411.88	602.09
40 05 19 00-2034 EA 36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	7,724.72	635.86
40 05 19 00-2035 EA 36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	8,183.59	688.37
40 05 19 00-2036 EA 36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	8,903.47	722.13

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

40 05 19 00-2037	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	10,272.02	815.92
40 05 19 00-2038	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	12,503.47	784.03
40 05 19 00-2039	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	10,568.00	877.81
40 05 19 00-2040	EA	42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	15,985.32	928.46
40 05 19 00-2041	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	17,833.87	999.74
40 05 19 00-2042	EA	48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	19,931.32	1,050.38
40 05 19 00-2043	EA	48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	22,326.01	1,112.27

**40 05 19 00-2044 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flanges** <sup>(40 05 19 00-0001)</sup>

40 05 19 00-2045	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	157.16	48.77
40 05 19 00-2046	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	236.00	72.03
40 05 19 00-2047	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	342.37	85.53
40 05 19 00-2048	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	471.02	99.78
40 05 19 00-2049	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	608.17	117.04
40 05 19 00-2050	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	804.23	131.30
40 05 19 00-2051	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	960.84	150.05
40 05 19 00-2052	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	1,301.57	210.08
40 05 19 00-2053	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	1,728.72	262.59
40 05 19 00-2054	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	2,462.89	318.86
40 05 19 00-2055	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	3,472.86	371.38
40 05 19 00-2056	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	6,204.62	408.90
40 05 19 00-2057	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	8,749.11	450.16
40 05 19 00-2058	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	11,563.47	506.43

**40 05 19 00-2059 Ductile Iron Bolt Packs** <sup>(40 05 19)</sup>

Note: Labor installation is included with pipe fittings or valves.

40 05 19 00-2060	EA	4" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	40.92	
		Note: Includes eight (8) 5/8" diameter plain finish bolts with washers and nut.		
		<i>For Zinc Plated, Add</i>	11.46	
		<i>For Hot Dip Galvanized, Add</i>	16.37	
40 05 19 00-2061	EA	6" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	63.14	
		Note: Includes eight (8) 3/4" diameter plain finish bolts with washers and nut.		
		<i>For Zinc Plated, Add</i>	17.68	
		<i>For Hot Dip Galvanized, Add</i>	25.26	
40 05 19 00-2062	EA	8" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	68.56	
		Note: Includes eight (8) 3/4" diameter plain finish bolts with washers and nut.		
		<i>For Zinc Plated, Add</i>	19.20	
		<i>For Hot Dip Galvanized, Add</i>	27.42	
40 05 19 00-2063	EA	10" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	154.01	
		Note: Includes twelve (12) 7/8" diameter plain finish bolts with washers and nut.		
		<i>For Zinc Plated, Add</i>	43.12	
		<i>For Hot Dip Galvanized, Add</i>	61.60	
40 05 19 00-2064	EA	12" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	155.36	
		Note: Includes twelve (12) 7/8" diameter plain finish bolts with washers and nut.		
		<i>For Zinc Plated, Add</i>	43.50	
		<i>For Hot Dip Galvanized, Add</i>	62.14	
40 05 19 00-2065	EA	14" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	174.06	
		Note: Includes twelve (12) 1" diameter plain finish bolts with washers and nut.		
		<i>For Zinc Plated, Add</i>	48.74	
		<i>For Hot Dip Galvanized, Add</i>	69.62	
40 05 19 00-2066	EA	16" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	292.62	
		Note: Includes sixteen (16) 1" diameter plain finish bolts with washers and nut.		
		<i>For Zinc Plated, Add</i>	81.93	
		<i>For Hot Dip Galvanized, Add</i>	117.05	
40 05 19 00-2067	EA	18" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	425.10	
		Note: Includes sixteen (16) 1-1/8" diameter plain finish bolts with washers and nut.		
		<i>For Zinc Plated, Add</i>	119.03	
		<i>For Hot Dip Galvanized, Add</i>	170.04	
40 05 19 00-2068	EA	20" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	536.74	
		Note: Includes twenty (20) 1-1/8" diameter plain finish bolts with washers and nut.		
		<i>For Zinc Plated, Add</i>	150.29	
		<i>For Hot Dip Galvanized, Add</i>	214.70	
40 05 19 00-2069	EA	24" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	767.98	
		Note: Includes twenty (20) 1-1/4" diameter plain finish bolts with washers and nut.		
		<i>For Zinc Plated, Add</i>	215.03	
		<i>For Hot Dip Galvanized, Add</i>	307.19	
40 05 19 00-2070	EA	30" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	1,213.52	
		Note: Includes twenty-eight (28) 1-1/4" diameter plain finish bolts with washers and nut.		
		<i>For Zinc Plated, Add</i>	339.79	
		<i>For Hot Dip Galvanized, Add</i>	485.41	
40 05 19 00-2071	EA	36" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	1,731.11	
		Note: Includes thirty-two (32) 1-1/2" diameter plain finish bolts with washers and nut.		
		<i>For Zinc Plated, Add</i>	484.71	
		<i>For Hot Dip Galvanized, Add</i>	692.44	
40 05 19 00-2072	EA	42" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	2,227.02	
		Note: Includes thirty-six (36) 1-1/2" diameter plain finish bolts with washers and nut.		
		<i>For Zinc Plated, Add</i>	623.57	
		<i>For Hot Dip Galvanized, Add</i>	890.81	
40 05 19 00-2073	EA	48" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	2,721.92	
		Note: Includes forty-four (44) 1-1/2" diameter plain finish bolts with washers and nut.		
		<i>For Zinc Plated, Add</i>	762.14	
		<i>For Hot Dip Galvanized, Add</i>	1,088.77	

**40 05 19 00-2074 Full Face Flange Gaskets, ANSI/AWWA C115/A21.15** <sup>(40 05 19)</sup>

Note: Labor installation is included with pipe fittings or valves.



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**40 05 19 00-2075 Full Face Flange Styrene Butadiene (SBR) Gaskets (40 05 19 00-2074)**

40 05 19 00-2076	EA		4" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	6.52	
40 05 19 00-2077	EA		6" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	8.30	
40 05 19 00-2078	EA		8" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	11.26	
40 05 19 00-2079	EA		10" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	13.04	
40 05 19 00-2080	EA		12" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	14.22	
40 05 19 00-2081	EA		14" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	23.70	
40 05 19 00-2082	EA		16" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	29.03	
40 05 19 00-2083	EA		18" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	30.81	
40 05 19 00-2084	EA		20" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	47.40	
40 05 19 00-2085	EA		24" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	50.96	
40 05 19 00-2086	EA		30" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	65.77	
40 05 19 00-2087	EA		36" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	75.25	
40 05 19 00-2088	EA		42" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	80.58	
40 05 19 00-2089	EA		48" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	88.28	

**40 05 19 00-2090 Full Face Flange Nitrile Buna-N (NBR) Gaskets (40 05 19 00-2074)**

Note: (Acrylonitrile Butadiene)

40 05 19 00-2091	EA		4" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	20.14	
40 05 19 00-2092	EA		6" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	28.44	
40 05 19 00-2093	EA		8" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	43.84	
40 05 19 00-2094	EA		10" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	47.99	
40 05 19 00-2095	EA		12" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	51.55	
40 05 19 00-2096	EA		14" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	97.17	
40 05 19 00-2097	EA		16" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	119.68	
40 05 19 00-2098	EA		18" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	120.28	
40 05 19 00-2099	EA		20" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	125.02	
40 05 19 00-2100	EA		24" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	132.13	
40 05 19 00-2101	EA		30" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	146.35	
40 05 19 00-2102	EA		36" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	161.16	
40 05 19 00-2103	EA		42" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	229.30	
40 05 19 00-2104	EA		48" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	250.63	

**40 05 19 00-2105 Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gaskets (40 05 19 00-2074)**

40 05 19 00-2106	EA		4" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	17.78	
40 05 19 00-2107	EA		6" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	23.11	
40 05 19 00-2108	EA		8" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	31.40	
40 05 19 00-2109	EA		10" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	36.74	
40 05 19 00-2110	EA		12" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	40.88	
40 05 19 00-2111	EA		14" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	67.54	
40 05 19 00-2112	EA		16" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	81.17	
40 05 19 00-2113	EA		18" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	81.76	
40 05 19 00-2114	EA		20" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	83.54	
40 05 19 00-2115	EA		24" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	97.17	
40 05 19 00-2116	EA		30" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	119.09	
40 05 19 00-2117	EA		36" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	135.68	
40 05 19 00-2118	EA		42" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	194.34	
40 05 19 00-2119	EA		48" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	214.48	

**40 05 19 00-2120 Full Face Flange Neoprene Gaskets (40 05 19 00-2074)**

Note: (Polychloroprene)

40 05 19 00-2121	EA		4" Full Face Flange Neoprene Gasket, 1/8" Thick.....	20.74	
40 05 19 00-2122	EA		6" Full Face Flange Neoprene Gasket, 1/8" Thick.....	29.03	
40 05 19 00-2123	EA		8" Full Face Flange Neoprene Gasket, 1/8" Thick.....	44.44	
40 05 19 00-2124	EA		10" Full Face Flange Neoprene Gasket, 1/8" Thick.....	47.99	
40 05 19 00-2125	EA		12" Full Face Flange Neoprene Gasket, 1/8" Thick.....	51.55	
40 05 19 00-2126	EA		14" Full Face Flange Neoprene Gasket, 1/8" Thick.....	68.73	
40 05 19 00-2127	EA		16" Full Face Flange Neoprene Gasket, 1/8" Thick.....	120.87	
40 05 19 00-2128	EA		18" Full Face Flange Neoprene Gasket, 1/8" Thick.....	121.46	
40 05 19 00-2129	EA		20" Full Face Flange Neoprene Gasket, 1/8" Thick.....	128.57	
40 05 19 00-2130	EA		24" Full Face Flange Neoprene Gasket, 1/8" Thick.....	130.35	
40 05 19 00-2131	EA		30" Full Face Flange Neoprene Gasket, 1/8" Thick.....	141.61	
40 05 19 00-2132	EA		36" Full Face Flange Neoprene Gasket, 1/8" Thick.....	159.38	
40 05 19 00-2133	EA		42" Full Face Flange Neoprene Gasket, 1/8" Thick.....	231.08	
40 05 19 00-2134	EA		48" Full Face Flange Neoprene Gasket, 1/8" Thick.....	253.00	

**40 05 19 00-2135 Full Face Flange FKM Gaskets (40 05 19 00-2074)**

Note: (Fluoroelastomer Fluorel Viton®)

40 05 19 00-2136	EA		4" Full Face Flange FKM Gasket, 1/8" Thick.....	77.31	
40 05 19 00-2137	EA		6" Full Face Flange FKM Gasket, 1/8" Thick.....	115.10	
40 05 19 00-2138	EA		8" Full Face Flange FKM Gasket, 1/8" Thick.....	153.75	
40 05 19 00-2139	EA		10" Full Face Flange FKM Gasket, 1/8" Thick.....	185.53	
40 05 19 00-2140	EA		12" Full Face Flange FKM Gasket, 1/8" Thick.....	241.36	
40 05 19 00-2141	EA		14" Full Face Flange FKM Gasket, 1/8" Thick.....	441.50	
40 05 19 00-2142	EA		16" Full Face Flange FKM Gasket, 1/8" Thick.....	505.92	
40 05 19 00-2143	EA		18" Full Face Flange FKM Gasket, 1/8" Thick.....	529.97	
40 05 19 00-2144	EA		20" Full Face Flange FKM Gasket, 1/8" Thick.....	565.19	
40 05 19 00-2145	EA		24" Full Face Flange FKM Gasket, 1/8" Thick.....	781.64	
40 05 19 00-2146	EA		30" Full Face Flange FKM Gasket, 1/8" Thick.....	937.11	
40 05 19 00-2147	EA		36" Full Face Flange FKM Gasket, 1/8" Thick.....	988.65	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

40 05 19 00-2148	EA	42" Full Face Flange FKM Gasket, 1/8" Thick .....	1,232.59	
40 05 19 00-2149	EA	48" Full Face Flange FKM Gasket, 1/8" Thick .....	1,291.86	

**40 05 19 00-2150 Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) (40 05 19)**

40 05 19 00-2151	EA	4" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) .....	361.06	67.47
40 05 19 00-2152	EA	6" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) .....	501.22	82.37
40 05 19 00-2153	EA	8" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) .....	742.65	100.45
40 05 19 00-2154	EA	10" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) .....	1,020.49	122.55
40 05 19 00-2155	EA	12" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) .....	1,295.76	149.44
40 05 19 00-2156	EA	14" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) .....	2,083.69	182.32
40 05 19 00-2157	EA	16" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) .....	3,279.03	222.51
40 05 19 00-2158	EA	18" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) .....	3,384.33	271.38
40 05 19 00-2159	EA	20" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) .....	4,146.39	331.15
40 05 19 00-2160	EA	24" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) .....	4,618.76	403.92
40 05 19 00-2161	EA	30" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) .....	5,953.52	492.88
40 05 19 00-2162	EA	36" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) .....	8,855.06	601.24
40 05 19 00-2163	EA	42" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) .....	23,112.34	733.58
40 05 19 00-2164	EA	48" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) .....	29,523.23	894.91

**40 05 23 Stainless Steel Process Pipe and Tubing (40 05)****40 05 23 23 300- and 400-Series Stainless Steel Process Pipe (40 05 23)****40 05 23 23-0001 Schedule 40 Pipe, Type 304, With 150 LB Screwed Fittings Assembly (40 05 23)**

40 05 23 23-0002	LF	1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly.....	33.96	8.98
		Note: Includes hangers and fittings. Fittings are assumed every 10'. Not for use where detail is available.		
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	4.13	
		For Work In Restricted Working Space, Add	5.42	
40 05 23 23-0003	LF	3/4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly.....	38.13	10.30
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	4.33	
		For Work In Restricted Working Space, Add	6.44	
40 05 23 23-0004	LF	1" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly .....	44.43	11.62
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	5.08	
		For Work In Restricted Working Space, Add	7.47	
40 05 23 23-0005	LF	1-1/4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly .....	51.47	14.03
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	6.41	
		For Work In Restricted Working Space, Add	8.04	
40 05 23 23-0006	LF	1-1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly .....	56.99	14.43
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	7.35	
		For Work In Restricted Working Space, Add	8.62	
40 05 23 23-0007	LF	2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly .....	69.08	19.08
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	8.96	
		For Work In Restricted Working Space, Add	10.39	
40 05 23 23-0008	LF	2-1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly .....	102.13	23.52
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	15.40	
		For Work In Restricted Working Space, Add	12.87	
40 05 23 23-0009	LF	3" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly .....	129.62	27.26
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	20.06	
		For Work In Restricted Working Space, Add	15.74	
40 05 23 23-0010	LF	4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly .....	177.67	27.26
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	19.97	

**40 05 23 23-0011 Stainless Steel Tubing And Fittings (40 05 23 23)****40 05 23 23-0012 Type 304 Tubing (40 05 23 23-0011)****40 05 23 23-0013 0.035" Wall (40 05 23 23-0012)**

40 05 23 23-0014	LF	1/4", 0.035" Wall, Type 304, Stainless Steel Tubing .....	8.01	2.96
		For Work In Restricted Working Space, Add	1.76	
40 05 23 23-0015	LF	3/8", 0.035" Wall, Type 304, Stainless Steel Tubing .....	9.28	3.51
		For Work In Restricted Working Space, Add	2.12	
40 05 23 23-0016	LF	1/2", 0.035" Wall, Type 304, Stainless Steel Tubing .....	11.08	4.17
		For Work In Restricted Working Space, Add	2.47	
40 05 23 23-0017	LF	5/8", 0.035" Wall, Type 304, Stainless Steel Tubing .....	18.09	4.72
		For Work In Restricted Working Space, Add	2.82	
40 05 23 23-0018	LF	3/4", 0.035" Wall, Type 304, Stainless Steel Tubing .....	21.46	5.26
		For Work In Restricted Working Space, Add	3.18	
40 05 23 23-0019	LF	7/8", 0.035" Wall, Type 304, Stainless Steel Tubing .....	23.74	5.93
		For Work In Restricted Working Space, Add	3.54	
40 05 23 23-0020	LF	1", 0.035" Wall, Type 304, Stainless Steel Tubing .....	26.52	7.12
		For Work In Restricted Working Space, Add	4.25	

**40 05 23 23-0021 0.049" Wall (40 05 23 23-0012)**

40 05 23 23-0022	LF	1/4", 0.049" Wall, Type 304, Stainless Steel Tubing .....	13.35	3.51
		For Work In Restricted Working Space, Add	2.12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0023 LF 3/8", 0.049" Wall, Type 304, Stainless Steel Tubing..... <i>For Work In Restricted Working Space, Add</i>	14.88 2.47	4.17
40 05 23 23-0024 LF 1/2", 0.049" Wall, Type 304, Stainless Steel Tubing..... <i>For Work In Restricted Working Space, Add</i>	17.90 2.82	4.72
40 05 23 23-0025 LF 5/8", 0.049" Wall, Type 304, Stainless Steel Tubing..... <i>For Work In Restricted Working Space, Add</i>	22.65 3.54	5.93
40 05 23 23-0026 LF 3/4", 0.049" Wall, Type 304, Stainless Steel Tubing..... <i>For Work In Restricted Working Space, Add</i>	25.91 4.25	7.12
40 05 23 23-0027 LF 7/8", 0.049" Wall, Type 304, Stainless Steel Tubing..... <i>For Work In Restricted Working Space, Add</i>	29.11 4.95	8.22
40 05 23 23-0028 LF 1", 0.049" Wall, Type 304, Stainless Steel Tubing..... <i>For Work In Restricted Working Space, Add</i>	33.58 5.62	9.32
<b>40 05 23 23-0029 0.065" Wall</b> <small>(40 05 23 23-0012)</small>		
40 05 23 23-0030 LF 1/4", 0.065" Wall, Type 304, Stainless Steel Tubing..... <i>For Work In Restricted Working Space, Add</i>	15.59 2.47	4.17
40 05 23 23-0031 LF 3/8", 0.065" Wall, Type 304, Stainless Steel Tubing..... <i>For Work In Restricted Working Space, Add</i>	17.94 2.82	4.72
40 05 23 23-0032 LF 1/2", 0.065" Wall, Type 304, Stainless Steel Tubing..... <i>For Work In Restricted Working Space, Add</i>	22.12 3.54	5.93
40 05 23 23-0033 LF 5/8", 0.065" Wall, Type 304, Stainless Steel Tubing..... <i>For Work In Restricted Working Space, Add</i>	26.00 4.25	7.12
40 05 23 23-0034 LF 3/4", 0.065" Wall, Type 304, Stainless Steel Tubing..... <i>For Work In Restricted Working Space, Add</i>	30.67 4.95	8.22
40 05 23 23-0035 LF 7/8", 0.065" Wall, Type 304, Stainless Steel Tubing..... <i>For Work In Restricted Working Space, Add</i>	35.24 5.62	9.32
40 05 23 23-0036 LF 1", 0.065" Wall, Type 304, Stainless Steel Tubing..... <i>For Work In Restricted Working Space, Add</i>	39.72 6.33	10.53
<b>40 05 23 23-0037 Type 304 Tube Fittings</b> <small>(40 05 23 23-0011)</small>		
<b>40 05 23 23-0038 90 Degree Elbows</b> <small>(40 05 23 23-0037)</small>		
40 05 23 23-0039 EA 1/4", Type 304, Stainless Steel, 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	50.39 7.07	11.84
40 05 23 23-0040 EA 3/8", Type 304, Stainless Steel, 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	59.61 7.74	12.94
40 05 23 23-0041 EA 1/2", Type 304, Stainless Steel, 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	89.85 8.77	14.58
40 05 23 23-0042 EA 5/8", Type 304, Stainless Steel, 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	95.97 9.82	16.34
40 05 23 23-0043 EA 3/4", Type 304, Stainless Steel, 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	107.35 10.61	17.66
40 05 23 23-0044 EA 7/8", Type 304, Stainless Steel, 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	146.69 11.75	19.63
40 05 23 23-0045 EA 1", Type 304, Stainless Steel, 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	186.83 14.00	23.36
<b>40 05 23 23-0046 Union Tees</b> <small>(40 05 23 23-0037)</small>		
40 05 23 23-0047 EA 1/4", Type 304, Stainless Steel, Union Tee ..... <i>For Work In Restricted Working Space, Add</i>	79.96 10.61	17.66
40 05 23 23-0048 EA 3/8", Type 304, Stainless Steel, Union Tee ..... <i>For Work In Restricted Working Space, Add</i>	97.01 11.75	19.63
40 05 23 23-0049 EA 1/2", Type 304, Stainless Steel, Union Tee ..... <i>For Work In Restricted Working Space, Add</i>	132.60 13.16	21.94
40 05 23 23-0050 EA 5/8", Type 304, Stainless Steel, Union Tee ..... <i>For Work In Restricted Working Space, Add</i>	142.66 14.96	24.89
40 05 23 23-0051 EA 3/4", Type 304, Stainless Steel, Union Tee ..... <i>For Work In Restricted Working Space, Add</i>	182.29 16.05	26.76
40 05 23 23-0052 EA 7/8", Type 304, Stainless Steel, Union Tee ..... <i>For Work In Restricted Working Space, Add</i>	289.77 17.78	29.61
40 05 23 23-0053 EA 1", Type 304, Stainless Steel, Union Tee ..... <i>For Work In Restricted Working Space, Add</i>	347.28 21.23	35.42
<b>40 05 23 23-0054 Unions</b> <small>(40 05 23 23-0037)</small>		
40 05 23 23-0055 EA 1/4", Type 304, Stainless Steel, Union..... <i>For Work In Restricted Working Space, Add</i>	76.41 10.61	17.66
40 05 23 23-0056 EA 3/8", Type 304, Stainless Steel, Union..... <i>For Work In Restricted Working Space, Add</i>	99.01 11.75	19.63
40 05 23 23-0057 EA 1/2", Type 304, Stainless Steel, Union..... <i>For Work In Restricted Working Space, Add</i>	133.91 13.16	21.94
40 05 23 23-0058 EA 5/8", Type 304, Stainless Steel, Union..... <i>For Work In Restricted Working Space, Add</i>	163.26 14.96	24.89
40 05 23 23-0059 EA 3/4", Type 304, Stainless Steel, Union..... <i>For Work In Restricted Working Space, Add</i>	194.83 16.05	26.76
40 05 23 23-0060 EA 7/8", Type 304, Stainless Steel, Union..... <i>For Work In Restricted Working Space, Add</i>	299.77 17.78	29.61
40 05 23 23-0061 EA 1", Type 304, Stainless Steel, Union..... <i>For Work In Restricted Working Space, Add</i>	318.93 21.23	35.42
<b>40 05 23 23-0062 Male Connectors</b> <small>(40 05 23 23-0037)</small>		
40 05 23 23-0063 EA 1/4" x 1/4", Type 304, Stainless Steel, Male Connection ..... <i>For Work In Restricted Working Space, Add</i>	37.69 7.07	11.84

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0064	EA		3/8" x 3/8", Type 304, Stainless Steel, Male Connection ..... <i>For Work In Restricted Working Space, Add</i>	47.12 7.74	12.94
40 05 23 23-0065	EA		1/2" x 1/2", Type 304, Stainless Steel, Male Connection ..... <i>For Work In Restricted Working Space, Add</i>	61.13 8.77	14.58
40 05 23 23-0066	EA		5/8" x 5/8" Male Connection, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	68.90 9.82	16.34
40 05 23 23-0067	EA		3/4" x 3/4", Type 304, Stainless Steel, Male Connection ..... <i>For Work In Restricted Working Space, Add</i>	83.29 10.61	17.66
40 05 23 23-0068	EA		7/8" x 7/8", Type 304, Stainless Steel, Male Connection ..... <i>For Work In Restricted Working Space, Add</i>	125.59 11.75	19.63
40 05 23 23-0069	EA		1" x 1", Type 304, Stainless Steel, Male Connection ..... <i>For Work In Restricted Working Space, Add</i>	131.47 14.00	23.36
<b>40 05 23 23-0070</b>			<b>Type 304 Valves</b> <small>(40 05 23 23-0011)</small>		
<b>40 05 23 23-0071</b>			<b>Gate Valves</b> <small>(40 05 23 23-0070)</small>		
40 05 23 23-0072	EA		1/4" Gate Valve, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	172.95 9.58	17.66
40 05 23 23-0073	EA		3/8" Gate Valve, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	287.91 10.09	20.73
40 05 23 23-0074	EA		1/2" Gate Valve, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	300.96 14.00	23.36
40 05 23 23-0075	EA		3/4" Gate Valve, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	333.94 16.05	26.76
40 05 23 23-0076	EA		1" Gate Valve, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	310.32 21.23	35.42
<b>40 05 23 23-0077</b>			<b>Globe Valves</b> <small>(40 05 23 23-0070)</small>		
40 05 23 23-0078	EA		1/4" Globe Valve, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	175.26 9.58	17.66
40 05 23 23-0079	EA		3/8" Globe Valve, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	117.98 10.09	20.73
40 05 23 23-0080	EA		1/2" Globe Valve, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	209.56 14.00	23.36
40 05 23 23-0081	EA		3/4" Globe Valve, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	233.56 16.05	26.76
40 05 23 23-0082	EA		1" Globe Valve, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	339.41 21.23	35.42
<b>40 05 23 23-0083</b>			<b>Check Valves</b> <small>(40 05 23 23-0070)</small>		
40 05 23 23-0084	EA		1/4" Check Valve, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	243.16 9.58	17.66
40 05 23 23-0085	EA		3/8" Check Valve, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	244.85 10.09	20.73
40 05 23 23-0086	EA		1/2" Check Valve, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	164.74 14.00	23.36
40 05 23 23-0087	EA		3/4" Check Valve, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	173.29 16.05	26.76
40 05 23 23-0088	EA		1" Check Valve, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	193.96 21.23	35.42
<b>40 05 23 23-0089</b>			<b>Plug Valves</b> <small>(40 05 23 23-0070)</small>		
40 05 23 23-0090	EA		1/2" Plug Valve, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	375.64 14.00	23.36
40 05 23 23-0091	EA		3/4" Plug Valve, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	411.71 16.05	26.76
40 05 23 23-0092	EA		1" Plug Valve, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	467.95 21.23	35.42
40 05 23 23-0093	EA		1-1/2" Plug Valve, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	646.74 24.02	40.03
40 05 23 23-0094	EA		2" Plug Valve, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	843.13 32.90	54.84
<b>40 05 23 23-0095</b>			<b>Type 316 Tubing</b> <small>(40 05 23 23-0011)</small>		
<b>40 05 23 23-0096</b>			<b>0.035" Wall</b> <small>(40 05 23 23-0095)</small>		
40 05 23 23-0097	LF		1/4" Stainless Steel Tubing, Type 316, 0.035" Wall ..... <i>For Work In Restricted Working Space, Add</i>	8.34 1.76	2.96
40 05 23 23-0098	LF		3/8" Stainless Steel Tubing, Type 316, 0.035" Wall ..... <i>For Work In Restricted Working Space, Add</i>	10.86 2.12	3.51
40 05 23 23-0099	LF		1/2" Stainless Steel Tubing, Type 316, 0.035" Wall ..... <i>For Work In Restricted Working Space, Add</i>	12.05 2.47	4.17
40 05 23 23-0100	LF		5/8" Stainless Steel Tubing, Type 316, 0.035" Wall ..... <i>For Work In Restricted Working Space, Add</i>	20.65 2.82	4.72
40 05 23 23-0101	LF		3/4" Stainless Steel Tubing, Type 316, 0.035" Wall ..... <i>For Work In Restricted Working Space, Add</i>	23.44 3.18	5.26
40 05 23 23-0102	LF		7/8" Stainless Steel Tubing, Type 316, 0.035" Wall ..... <i>For Work In Restricted Working Space, Add</i>	29.85 3.54	5.93
40 05 23 23-0103	LF		1" Stainless Steel Tubing, Type 316, 0.035" Wall ..... <i>For Work In Restricted Working Space, Add</i>	31.26 4.25	7.12

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>40 05 23 23-0104</b>	<b>0.049" Wall</b> (40 05 23 23-0095)		
40 05 23 23-0105	LF 1/4" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	14.73 2.12	3.51
40 05 23 23-0106	LF 3/8" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	16.32 2.47	4.17
40 05 23 23-0107	LF 1/2" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	19.24 2.82	4.72
40 05 23 23-0108	LF 5/8" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	25.14 3.54	5.93
40 05 23 23-0109	LF 3/4" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	29.00 4.25	7.12
40 05 23 23-0110	LF 7/8" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	37.07 4.95	8.22
40 05 23 23-0111	LF 1" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	37.75 5.62	9.32
<b>40 05 23 23-0112</b>	<b>0.065" Wall</b> (40 05 23 23-0095)		
40 05 23 23-0113	LF 1/4" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	17.22 2.47	4.17
40 05 23 23-0114	LF 3/8" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	19.19 2.82	4.72
40 05 23 23-0115	LF 1/2" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	24.08 3.54	5.93
40 05 23 23-0116	LF 5/8" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	28.70 4.25	7.12
40 05 23 23-0117	LF 3/4" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	34.81 4.95	8.22
40 05 23 23-0118	LF 7/8" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	38.31 5.62	9.32
40 05 23 23-0119	LF 1" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	44.67 6.33	10.53
<b>40 05 23 23-0120</b>	<b>Type 316 Tube Fittings</b> (40 05 23 23-0011)		
<b>40 05 23 23-0121</b>	<b>90 Degree Elbows</b> (40 05 23 23-0120)		
40 05 23 23-0122	EA 1/4" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	69.74 7.07	11.84
40 05 23 23-0123	EA 3/8" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	84.01 7.74	12.94
40 05 23 23-0124	EA 1/2" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	133.61 8.77	14.58
40 05 23 23-0125	EA 5/8" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	141.62 9.82	16.34
40 05 23 23-0126	EA 3/4" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	159.32 10.61	17.66
40 05 23 23-0127	EA 7/8" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	224.32 11.75	19.63
40 05 23 23-0128	EA 1" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	288.02 14.00	23.36
<b>40 05 23 23-0129</b>	<b>Union Tees</b> (40 05 23 23-0120)		
40 05 23 23-0130	EA 1/4" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	112.15 10.61	17.66
40 05 23 23-0131	EA 3/8" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	138.77 11.75	19.63
40 05 23 23-0132	EA 1/2" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	196.66 13.16	21.94
40 05 23 23-0133	EA 5/8" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	209.66 14.96	24.89
40 05 23 23-0134	EA 3/4" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	275.28 16.05	26.76
40 05 23 23-0135	EA 7/8" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	456.18 17.78	29.61
40 05 23 23-0136	EA 1" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	546.92 21.23	35.42
<b>40 05 23 23-0137</b>	<b>Unions</b> (40 05 23 23-0120)		
40 05 23 23-0138	EA 1/4" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	71.51 10.61	17.66
40 05 23 23-0139	EA 3/8" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	91.86 11.75	19.63
40 05 23 23-0140	EA 1/2" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	123.15 13.16	21.94
40 05 23 23-0141	EA 5/8" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	149.70 14.96	24.89
40 05 23 23-0142	EA 3/4" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	177.94 16.05	26.76
40 05 23 23-0143	EA 7/8" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	271.02 17.78	29.61
40 05 23 23-0144	EA 1" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	289.27 21.23	35.42

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23	23-0145		<b>Male Connectors</b> <small>(40 05 23 23-0120)</small>		
40 05 23	23-0146	EA	1/4" x 1/4" Male Connector, Stainless Steel Type 316.....	47.66	11.84
			<i>For Work In Restricted Working Space, Add</i>	7.07	
40 05 23	23-0147	EA	3/8" x 3/8" Male Connector, Stainless Steel Type 316.....	62.19	12.94
			<i>For Work In Restricted Working Space, Add</i>	7.74	
40 05 23	23-0148	EA	1/2" x 1/2" Male Connector, Stainless Steel Type 316.....	83.68	14.58
			<i>For Work In Restricted Working Space, Add</i>	8.77	
40 05 23	23-0149	EA	5/8" x 5/8" Male Connector, Stainless Steel Type 316.....	94.46	16.34
			<i>For Work In Restricted Working Space, Add</i>	9.82	
40 05 23	23-0150	EA	3/4" x 3/4" Male Connector, Stainless Steel Type 316.....	117.17	17.66
			<i>For Work In Restricted Working Space, Add</i>	10.61	
40 05 23	23-0151	EA	7/8" x 7/8" Male Connector, Stainless Steel Type 316.....	186.69	19.63
			<i>For Work In Restricted Working Space, Add</i>	11.75	
40 05 23	23-0152	EA	1" x 1" Male Connector, Stainless Steel Type 316.....	191.43	23.36
			<i>For Work In Restricted Working Space, Add</i>	14.00	
40 05 23	23-0153		<b>Type 316 Valves</b> <small>(40 05 23 23-0011)</small>		
40 05 23	23-0154		<b>Gate Valves</b> <small>(40 05 23 23-0153)</small>		
40 05 23	23-0155	EA	1/4" Gate Valve, Stainless Steel Type 316.....	218.49	17.66
			<i>For Work In Restricted Working Space, Add</i>	9.58	
40 05 23	23-0156	EA	3/8" Gate Valve, Stainless Steel Type 316.....	370.01	20.73
			<i>For Work In Restricted Working Space, Add</i>	10.09	
40 05 23	23-0157	EA	1/2" Gate Valve, Stainless Steel Type 316.....	383.06	23.36
			<i>For Work In Restricted Working Space, Add</i>	14.00	
40 05 23	23-0158	EA	3/4" Gate Valve, Stainless Steel Type 316.....	424.48	26.76
			<i>For Work In Restricted Working Space, Add</i>	16.05	
40 05 23	23-0159	EA	1" Gate Valve, Stainless Steel Type 316.....	387.67	35.42
			<i>For Work In Restricted Working Space, Add</i>	21.23	
40 05 23	23-0160	EA	1-1/4" Gate Valve, Stainless Steel Type 316.....	528.97	36.74
			<i>For Work In Restricted Working Space, Add</i>	22.04	
40 05 23	23-0161	EA	1-1/2" Gate Valve, Stainless Steel Type 316.....	844.06	40.03
			<i>For Work In Restricted Working Space, Add</i>	24.02	
40 05 23	23-0162	EA	2" Gate Valve, Stainless Steel Type 316.....	1,006.11	54.84
			<i>For Work In Restricted Working Space, Add</i>	32.90	
40 05 23	23-0163	EA	2-1/2" Gate Valve, Stainless Steel Type 316.....	1,522.55	175.58
			<i>For Work In Restricted Working Space, Add</i>	105.32	
40 05 23	23-0164		<b>Globe Valves</b> <small>(40 05 23 23-0153)</small>		
40 05 23	23-0165	EA	1/4" Globe Valve, Stainless Steel Type 316.....	221.54	17.66
			<i>For Work In Restricted Working Space, Add</i>	9.58	
40 05 23	23-0166	EA	3/8" Globe Valve, Stainless Steel Type 316.....	145.22	20.73
			<i>For Work In Restricted Working Space, Add</i>	10.09	
40 05 23	23-0167	EA	1/2" Globe Valve, Stainless Steel Type 316.....	262.16	23.36
			<i>For Work In Restricted Working Space, Add</i>	14.00	
40 05 23	23-0168	EA	3/4" Globe Valve, Stainless Steel Type 316.....	291.69	26.76
			<i>For Work In Restricted Working Space, Add</i>	16.05	
40 05 23	23-0169	EA	1" Globe Valve, Stainless Steel Type 316.....	426.16	35.42
			<i>For Work In Restricted Working Space, Add</i>	21.23	
40 05 23	23-0170	EA	1-1/4" Globe Valve, Stainless Steel Type 316.....	529.90	36.52
			<i>For Work In Restricted Working Space, Add</i>	21.88	
40 05 23	23-0171	EA	1-1/2" Globe Valve, Stainless Steel Type 316.....	874.62	40.03
			<i>For Work In Restricted Working Space, Add</i>	24.02	
40 05 23	23-0172	EA	2" Globe Valve, Stainless Steel Type 316.....	1,036.67	54.84
			<i>For Work In Restricted Working Space, Add</i>	32.90	
40 05 23	23-0173	EA	2-1/2" Globe Valve, Stainless Steel Type 316.....	1,329.00	175.58
			<i>For Work In Restricted Working Space, Add</i>	105.32	
40 05 23	23-0174		<b>Check Valves</b> <small>(40 05 23 23-0153)</small>		
40 05 23	23-0175	EA	1/4" Check Valve, Stainless Steel Type 316.....	311.37	17.66
			<i>For Work In Restricted Working Space, Add</i>	9.58	
40 05 23	23-0176	EA	3/8" Check Valve, Stainless Steel Type 316.....	313.06	20.73
			<i>For Work In Restricted Working Space, Add</i>	10.09	
40 05 23	23-0177	EA	1/2" Check Valve, Stainless Steel Type 316.....	202.87	23.36
			<i>For Work In Restricted Working Space, Add</i>	14.00	
40 05 23	23-0178	EA	3/4" Check Valve, Stainless Steel Type 316.....	211.96	26.76
			<i>For Work In Restricted Working Space, Add</i>	16.05	
40 05 23	23-0179	EA	1" Check Valve, Stainless Steel Type 316.....	233.74	35.42
			<i>For Work In Restricted Working Space, Add</i>	21.23	
40 05 23	23-0180	EA	1-1/4" Check Valve, Stainless Steel Type 316.....	319.80	36.74
			<i>For Work In Restricted Working Space, Add</i>	22.04	
40 05 23	23-0181	EA	1-1/2" Check Valve, Stainless Steel Type 316.....	701.45	40.03
			<i>For Work In Restricted Working Space, Add</i>	24.02	
40 05 23	23-0182	EA	2" Check Valve, Stainless Steel Type 316.....	853.31	54.84
			<i>For Work In Restricted Working Space, Add</i>	32.90	
40 05 23	23-0183	EA	2-1/2" Check Valve, Stainless Steel Type 316.....	1,709.31	175.58
			<i>For Work In Restricted Working Space, Add</i>	105.32	
40 05 23	23-0184		<b>Diaphragm Valves, Ethylene Propylene Diene Monomer (EPDM) Lined</b> <small>(40 05 23 23-0153)</small>		
40 05 23	23-0185	EA	1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined.....	336.26	23.36
			<i>For Work In Restricted Working Space, Add</i>	14.00	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0186 EA 3/4" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined.....	392.68	26.76
For Work In Restricted Working Space, Add	16.05	
40 05 23 23-0187 EA 1" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined.....	501.17	35.42
For Work In Restricted Working Space, Add	21.23	
40 05 23 23-0188 EA 1-1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined.....	794.11	40.03
For Work In Restricted Working Space, Add	24.02	
40 05 23 23-0189 EA 2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined.....	1,109.36	54.84
For Work In Restricted Working Space, Add	32.90	
<b>40 05 23 23-0190 Diaphragm Valves, Teflon Lined (40 05 23 23-0153)</b>		
40 05 23 23-0191 EA 1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined.....	443.37	23.36
For Work In Restricted Working Space, Add	14.00	
40 05 23 23-0192 EA 3/4" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined.....	509.71	26.76
For Work In Restricted Working Space, Add	16.05	
40 05 23 23-0193 EA 1" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined.....	618.20	35.42
For Work In Restricted Working Space, Add	21.23	
40 05 23 23-0194 EA 1-1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined.....	958.74	40.03
For Work In Restricted Working Space, Add	24.02	
40 05 23 23-0195 EA 2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined.....	1,305.72	54.84
For Work In Restricted Working Space, Add	32.90	
<b>40 05 23 23-0196 Strainers (40 05 23 23-0153)</b>		
40 05 23 23-0197 EA 1/2" Strainer, Stainless Steel Type 316 .....	444.40	23.36
For Work In Restricted Working Space, Add	14.00	
40 05 23 23-0198 EA 3/4" Strainer, Stainless Steel Type 316 .....	531.55	26.87
For Work In Restricted Working Space, Add	16.12	
40 05 23 23-0199 EA 1" Strainer, Stainless Steel Type 316 .....	695.63	35.64
For Work In Restricted Working Space, Add	21.39	
40 05 23 23-0200 EA 1-1/4" Strainer, Stainless Steel Type 316 .....	861.74	36.74
For Work In Restricted Working Space, Add	22.04	
40 05 23 23-0201 EA 1-1/2" Strainer, Stainless Steel Type 316 .....	1,080.00	40.03
For Work In Restricted Working Space, Add	24.02	
40 05 23 23-0202 EA 2" Strainer, Stainless Steel Type 316 .....	1,556.73	54.84
For Work In Restricted Working Space, Add	32.90	
40 05 23 23-0203 EA 2-1/2" Strainer, Stainless Steel Type 316 .....	2,138.73	72.93
For Work In Restricted Working Space, Add	43.76	
40 05 23 23-0204 EA 3" Strainer, Stainless Steel Type 316 .....	3,115.50	109.67
For Work In Restricted Working Space, Add	65.81	
40 05 23 23-0205 EA 4" Strainer, Stainless Steel Type 316 .....	3,997.28	175.47
For Work In Restricted Working Space, Add	105.28	
<b>40 05 23 23-0206 Plug Valves (40 05 23 23-0153)</b>		
40 05 23 23-0207 EA 1/2" Plug Valve, Stainless Steel Type 316.....	473.15	23.36
For Work In Restricted Working Space, Add	14.00	
40 05 23 23-0208 EA 3/4" Plug Valve, Stainless Steel Type 316.....	517.89	26.76
For Work In Restricted Working Space, Add	16.05	
40 05 23 23-0209 EA 1" Plug Valve, Stainless Steel Type 316.....	585.69	35.42
For Work In Restricted Working Space, Add	21.23	
40 05 23 23-0210 EA 1-1/2" Plug Valve, Stainless Steel Type 316.....	814.72	40.03
For Work In Restricted Working Space, Add	24.02	
40 05 23 23-0211 EA 2" Plug Valve, Stainless Steel Type 316.....	1,060.55	54.84
For Work In Restricted Working Space, Add	32.90	
<b>40 05 23 23-0212 Cut And Prepare Existing Pipe In-Place (40 05 23 23-0011)</b>		
Note: For use when connecting pipe to an existing in-place system.		
40 05 23 23-0213 EA Cut And Prepare 1/2" Stainless Steel Pipe .....	21.93	
40 05 23 23-0214 EA Cut And Prepare 3/4" Stainless Steel Pipe .....	23.68	
40 05 23 23-0215 EA Cut And Prepare 1" Stainless Steel Pipe .....	26.64	
40 05 23 23-0216 EA Cut And Prepare 1-1/4" Stainless Steel Pipe.....	27.95	
40 05 23 23-0217 EA Cut And Prepare 1-1/2" Stainless Steel Pipe .....	29.59	
40 05 23 23-0218 EA Cut And Prepare 2" Stainless Steel Pipe .....	31.79	
40 05 23 23-0219 EA Cut And Prepare 2-1/2" Stainless Steel Pipe .....	33.99	
40 05 23 23-0220 EA Cut And Prepare 3" Stainless Steel Pipe .....	37.27	
40 05 23 23-0221 EA Cut And Prepare 4" Stainless Steel Pipe .....	40.56	
40 05 23 23-0222 EA Cut And Prepare 6" Stainless Steel Pipe .....	43.85	
40 05 23 23-0223 EA Cut And Prepare 8" Stainless Steel Pipe .....	47.14	
40 05 23 23-0224 EA Cut And Prepare 10" Stainless Steel Pipe .....	51.52	
40 05 23 23-0225 EA Cut And Prepare 12" Stainless Steel Pipe .....	55.91	
40 05 23 23-0226 EA Cut And Prepare 14" Stainless Steel Pipe .....	60.30	
40 05 23 23-0227 EA Cut And Prepare 16" Stainless Steel Pipe .....	64.68	
40 05 23 23-0228 EA Cut And Prepare 18" Stainless Steel Pipe .....	67.97	
40 05 23 23-0229 EA Cut And Prepare 20" Stainless Steel Pipe .....	71.25	
40 05 23 23-0230 EA Cut And Prepare 24" Stainless Steel Pipe .....	75.64	
<b>40 05 23 23-0231 Stainless Steel Pipe And Fittings (40 05 23 23)</b>		
<b>40 05 23 23-0232 Type 304, Schedule 40 Stainless Steel Pipe And 150 LB Threaded Fittings</b>		
(40 05 23 23-0231)		
<b>40 05 23 23-0233 Type 304, Schedule 40 Stainless Steel Threaded Pipe (40 05 23 23-0232)</b>		
40 05 23 23-0234 LF 1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting .....	17.24	4.72
For Work In Restricted Working Space, Add	2.82	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0235	LF	3/4"	Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting ..... <i>For Work In Restricted Working Space, Add</i>	21.20 3.54	5.93
40 05 23 23-0236	LF	1"	Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting ..... <i>For Work In Restricted Working Space, Add</i>	26.11 4.25	7.12
40 05 23 23-0237	LF	1-1/4"	Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting ..... <i>For Work In Restricted Working Space, Add</i>	31.44 4.95	8.22
40 05 23 23-0238	LF	1-1/2"	Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting ..... <i>For Work In Restricted Working Space, Add</i>	36.41 5.62	9.32
40 05 23 23-0239	LF	2"	Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting ..... <i>For Work In Restricted Working Space, Add</i>	46.57 7.07	11.84
40 05 23 23-0240	LF	2-1/2"	Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting ..... <i>For Work In Restricted Working Space, Add</i>	63.61 8.44	14.04
40 05 23 23-0241	LF	3"	Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting ..... <i>For Work In Restricted Working Space, Add</i>	79.95 10.61	17.66
40 05 23 23-0242	LF	4"	Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting ..... <i>For Work In Restricted Working Space, Add</i>	108.37 14.00	23.36
<b>40 05 23 23-0243</b>			<b>150#, Type 304 Stainless Steel Threaded 90 Degree Elbows</b> <small>(40 05 23 23-0232)</small>		
40 05 23 23-0244	EA	1/2"	, 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	37.96 10.61	17.66
40 05 23 23-0245	EA	3/4"	, 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	50.35 14.00	23.36
40 05 23 23-0246	EA	1"	, 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	64.65 17.78	29.61
40 05 23 23-0247	EA	1-1/4"	, 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	90.40 24.37	40.58
40 05 23 23-0248	EA	1-1/2"	, 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	107.57 28.61	47.70
40 05 23 23-0249	EA	2"	, 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	130.93 34.63	57.69
40 05 23 23-0250	EA	2-1/2"	, 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	218.05 54.84	91.36
40 05 23 23-0251	EA	3"	, 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	280.77 70.76	117.90
40 05 23 23-0252	EA	4"	, 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	380.12 87.74	146.19
<b>40 05 23 23-0253</b>			<b>150#, Type 304 Stainless Steel Threaded 45 Degree Elbows</b> <small>(40 05 23 23-0232)</small>		
40 05 23 23-0254	EA	1/2"	, 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	38.55 10.61	17.66
40 05 23 23-0255	EA	3/4"	, 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	51.31 14.00	23.36
40 05 23 23-0256	EA	1"	, 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	64.94 17.78	29.61
40 05 23 23-0257	EA	1-1/4"	, 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	90.29 24.37	40.58
40 05 23 23-0258	EA	1-1/2"	, 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	106.15 28.61	47.70
40 05 23 23-0259	EA	2"	, 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	130.60 34.63	57.69
40 05 23 23-0260	EA	2-1/2"	, 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	224.47 54.84	91.36
40 05 23 23-0261	EA	3"	, 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	293.30 70.76	117.90
40 05 23 23-0262	EA	4"	, 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	394.72 87.74	146.19
<b>40 05 23 23-0263</b>			<b>150#, Type 304 Stainless Steel Threaded Tees</b> <small>(40 05 23 23-0232)</small>		
40 05 23 23-0264	EA	1/2"	, 150#, Type 304 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	57.00 16.05	26.76
40 05 23 23-0265	EA	3/4"	, 150#, Type 304 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	76.30 21.23	35.42
40 05 23 23-0266	EA	1"	, 150#, Type 304 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	94.81 26.32	43.87
40 05 23 23-0267	EA	1-1/4"	, 150#, Type 304 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	135.91 36.56	60.98
40 05 23 23-0268	EA	1-1/2"	, 150#, Type 304 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	154.56 41.13	68.54
40 05 23 23-0269	EA	2"	, 150#, Type 304 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	205.23 54.84	91.36
40 05 23 23-0270	EA	2-1/2"	, 150#, Type 304 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	312.38 79.28	132.15
40 05 23 23-0271	EA	3"	, 150#, Type 304 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	423.10 106.13	176.90
40 05 23 23-0272	EA	4"	, 150#, Type 304 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	563.89 131.61	219.35
<b>40 05 23 23-0273</b>			<b>150#, Type 304 Stainless Steel Threaded Reducers</b> <small>(40 05 23 23-0232)</small>		
40 05 23 23-0274	EA	3/4"	, 150#, Type 304 Stainless Steel Threaded Reducer ..... <i>For Work In Restricted Working Space, Add</i>	49.91 14.00	23.36
40 05 23 23-0275	EA	1"	, 150#, Type 304 Stainless Steel Threaded Reducer ..... <i>For Work In Restricted Working Space, Add</i>	63.70 17.78	29.61



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0276 EA 1-1/4", 150#, Type 304 Stainless Steel Threaded Reducer ..... <i>For Work In Restricted Working Space, Add</i>	87.71 24.37	40.58
40 05 23 23-0277 EA 1-1/2", 150#, Type 304 Stainless Steel Threaded Reducer ..... <i>For Work In Restricted Working Space, Add</i>	104.68 28.61	47.70
40 05 23 23-0278 EA 2", 150#, Type 304 Stainless Steel Threaded Reducer ..... <i>For Work In Restricted Working Space, Add</i>	130.99 34.63	57.69
40 05 23 23-0279 EA 2-1/2", 150#, Type 304 Stainless Steel Threaded Reducer ..... <i>For Work In Restricted Working Space, Add</i>	216.15 54.84	91.36
40 05 23 23-0280 EA 3", 150#, Type 304 Stainless Steel Threaded Reducer ..... <i>For Work In Restricted Working Space, Add</i>	283.36 70.76	117.90
40 05 23 23-0281 EA 4", 150#, Type 304 Stainless Steel Threaded Reducer ..... <i>For Work In Restricted Working Space, Add</i>	371.16 87.74	146.19
<b>40 05 23 23-0282 150#, Type 304 Stainless Steel Threaded Caps</b> (40 05 23 23-0232)		
40 05 23 23-0283 EA 1/2", 150#, Type 304 Stainless Steel Threaded Cap ..... <i>For Work In Restricted Working Space, Add</i>	19.41 5.31	8.89
40 05 23 23-0284 EA 3/4", 150#, Type 304 Stainless Steel Threaded Cap ..... <i>For Work In Restricted Working Space, Add</i>	25.73 7.07	11.84
40 05 23 23-0285 EA 1", 150#, Type 304 Stainless Steel Threaded Cap ..... <i>For Work In Restricted Working Space, Add</i>	32.46 8.77	14.58
40 05 23 23-0286 EA 1-1/4", 150#, Type 304 Stainless Steel Threaded Cap ..... <i>For Work In Restricted Working Space, Add</i>	47.22 12.42	20.73
40 05 23 23-0287 EA 1-1/2", 150#, Type 304 Stainless Steel Threaded Cap ..... <i>For Work In Restricted Working Space, Add</i>	54.31 14.00	23.36
40 05 23 23-0288 EA 2", 150#, Type 304 Stainless Steel Threaded Cap ..... <i>For Work In Restricted Working Space, Add</i>	69.02 17.78	29.61
40 05 23 23-0289 EA 2-1/2", 150#, Type 304 Stainless Steel Threaded Cap ..... <i>For Work In Restricted Working Space, Add</i>	105.32 26.32	43.87
40 05 23 23-0290 EA 3", 150#, Type 304 Stainless Steel Threaded Cap ..... <i>For Work In Restricted Working Space, Add</i>	139.74 34.63	57.69
40 05 23 23-0291 EA 4", 150#, Type 304 Stainless Steel Threaded Cap ..... <i>For Work In Restricted Working Space, Add</i>	187.35 43.87	73.15
<b>40 05 23 23-0292 150#, Type 304 Stainless Steel Threaded Unions</b> (40 05 23 23-0232)		
40 05 23 23-0293 EA 1/2", 150#, Type 304 Stainless Steel Threaded Union ..... <i>For Work In Restricted Working Space, Add</i>	60.73 16.05	26.76
40 05 23 23-0294 EA 3/4", 150#, Type 304 Stainless Steel Threaded Union ..... <i>For Work In Restricted Working Space, Add</i>	79.91 21.23	35.42
40 05 23 23-0295 EA 1", 150#, Type 304 Stainless Steel Threaded Union ..... <i>For Work In Restricted Working Space, Add</i>	101.57 26.32	43.87
40 05 23 23-0296 EA 1-1/4", 150#, Type 304 Stainless Steel Threaded Union ..... <i>For Work In Restricted Working Space, Add</i>	145.86 36.56	60.98
40 05 23 23-0297 EA 1-1/2", 150#, Type 304 Stainless Steel Threaded Union ..... <i>For Work In Restricted Working Space, Add</i>	164.21 41.13	68.54
40 05 23 23-0298 EA 2", 150#, Type 304 Stainless Steel Threaded Union ..... <i>For Work In Restricted Working Space, Add</i>	215.28 54.84	91.36
40 05 23 23-0299 EA 2-1/2", 150#, Type 304 Stainless Steel Threaded Union ..... <i>For Work In Restricted Working Space, Add</i>	362.17 82.25	137.09
40 05 23 23-0300 EA 3", 150#, Type 304 Stainless Steel Threaded Union ..... <i>For Work In Restricted Working Space, Add</i>	464.61 106.14	176.90
40 05 23 23-0301 EA 4", 150#, Type 304 Stainless Steel Threaded Union ..... <i>For Work In Restricted Working Space, Add</i>	472.36 87.75	146.25
<b>40 05 23 23-0302 150#, Type 304 Stainless Steel Threaded Couplings</b> (40 05 23 23-0232)		
40 05 23 23-0303 EA 1/2", 150#, Type 304 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	37.71 10.61	17.66
40 05 23 23-0304 EA 3/4", 150#, Type 304 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	50.02 14.00	23.36
40 05 23 23-0305 EA 1", 150#, Type 304 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	64.38 17.78	29.61
40 05 23 23-0306 EA 1-1/4", 150#, Type 304 Stainless Steel Threaded Coupling ..... <i>For Work In Restricted Working Space, Add</i>	89.35 24.37	40.58
40 05 23 23-0307 EA 1-1/2", 150#, Type 304 Stainless Steel Threaded Coupling ..... <i>For Work In Restricted Working Space, Add</i>	104.99 28.61	47.70
40 05 23 23-0308 EA 2", 150#, Type 304 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	129.01 34.63	57.69
40 05 23 23-0309 EA 2-1/2", 150#, Type 304 Stainless Steel Threaded Coupling ..... <i>For Work In Restricted Working Space, Add</i>	212.57 54.84	91.36
40 05 23 23-0310 EA 3", 150#, Type 304 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	274.35 70.76	117.90
40 05 23 23-0311 EA 4", 150#, Type 304 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	352.29 87.74	146.19
<b>40 05 23 23-0312 Type 316, Schedule 40 Stainless Steel Pipe And 150 LB Threaded Fittings</b> (40 05 23 23-0231)		
<b>40 05 23 23-0313 Type 316, Schedule 40 Stainless Steel Threaded Pipe</b> (40 05 23 23-0312)		
40 05 23 23-0314 LF 1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting ..... <i>For Work In Restricted Working Space, Add</i>	21.38 2.82	4.72
40 05 23 23-0315 LF 3/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting ..... <i>For Work In Restricted Working Space, Add</i>	25.28 3.54	5.93
40 05 23 23-0316 LF 1" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting ..... <i>For Work In Restricted Working Space, Add</i>	31.97 4.25	7.12

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0317	LF		1-1/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting ..... <i>For Work In Restricted Working Space, Add</i>	39.11 4.95	8.22
40 05 23 23-0318	LF		1-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting ..... <i>For Work In Restricted Working Space, Add</i>	45.50 5.62	9.32
40 05 23 23-0319	LF		2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting ..... <i>For Work In Restricted Working Space, Add</i>	58.74 7.07	11.84
40 05 23 23-0320	LF		2-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting ..... <i>For Work In Restricted Working Space, Add</i>	80.62 8.44	14.04
40 05 23 23-0321	LF		3" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting ..... <i>For Work In Restricted Working Space, Add</i>	105.31 10.61	17.66
40 05 23 23-0322	LF		4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting ..... <i>For Work In Restricted Working Space, Add</i>	141.38 14.00	23.36
<b>40 05 23 23-0323</b>			<b>150#, Type 316 Stainless Steel Threaded 90 Degree Elbows</b> <small>(40 05 23 23-0312)</small>		
40 05 23 23-0324	EA		1/2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	38.73 10.61	17.66
40 05 23 23-0325	EA		3/4", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	51.51 14.00	23.36
40 05 23 23-0326	EA		1", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	65.36 17.78	29.61
40 05 23 23-0327	EA		1-1/4", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	91.67 24.37	40.58
40 05 23 23-0328	EA		1-1/2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	109.27 28.61	47.70
40 05 23 23-0329	EA		2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	133.02 34.63	57.69
40 05 23 23-0330	EA		2-1/2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	221.40 54.84	91.36
40 05 23 23-0331	EA		3", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	288.98 70.76	117.90
40 05 23 23-0332	EA		4", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	390.09 87.74	146.19
<b>40 05 23 23-0333</b>			<b>150#, Type 316 Stainless Steel Threaded 45 Degree Elbows</b> <small>(40 05 23 23-0312)</small>		
40 05 23 23-0334	EA		1/2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	39.36 10.61	17.66
40 05 23 23-0335	EA		3/4", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	51.90 14.00	23.36
40 05 23 23-0336	EA		1", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	65.82 17.78	29.61
40 05 23 23-0337	EA		1-1/4", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	91.54 24.37	40.58
40 05 23 23-0338	EA		1-1/2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	107.62 28.61	47.70
40 05 23 23-0339	EA		2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	132.56 34.63	57.69
40 05 23 23-0340	EA		2-1/2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	227.63 54.84	91.36
40 05 23 23-0341	EA		3", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	300.56 70.76	117.90
40 05 23 23-0342	EA		4", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	414.31 87.74	146.19
<b>40 05 23 23-0343</b>			<b>150#, Type 316 Stainless Steel Threaded Tees</b> <small>(40 05 23 23-0312)</small>		
40 05 23 23-0344	EA		1/2", 150#, Type 316 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	57.83 16.05	26.76
40 05 23 23-0345	EA		3/4", 150#, Type 316 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	77.14 21.23	35.42
40 05 23 23-0346	EA		1", 150#, Type 316 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	95.75 26.32	43.87
40 05 23 23-0347	EA		1-1/4", 150#, Type 316 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	137.82 36.56	60.98
40 05 23 23-0348	EA		1-1/2", 150#, Type 316 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	156.45 41.13	68.54
40 05 23 23-0349	EA		2", 150#, Type 316 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	207.72 54.84	91.36
40 05 23 23-0350	EA		2-1/2", 150#, Type 316 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	322.56 79.28	132.15
40 05 23 23-0351	EA		3", 150#, Type 316 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	436.98 106.13	176.90
40 05 23 23-0352	EA		4", 150#, Type 316 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	574.24 131.61	219.35
<b>40 05 23 23-0353</b>			<b>150#, Type 316 Stainless Steel Threaded Reducers</b> <small>(40 05 23 23-0312)</small>		
40 05 23 23-0354	EA		3/4", 150#, Type 316 Stainless Steel Threaded Reducer ..... <i>For Work In Restricted Working Space, Add</i>	50.62 14.00	23.36
40 05 23 23-0355	EA		1", 150#, Type 316 Stainless Steel Threaded Reducer ..... <i>For Work In Restricted Working Space, Add</i>	65.80 17.78	29.61
40 05 23 23-0356	EA		1-1/4", 150#, Type 316 Stainless Steel Threaded Reducer ..... <i>For Work In Restricted Working Space, Add</i>	88.11 24.37	40.58
40 05 23 23-0357	EA		1-1/2", 150#, Type 316 Stainless Steel Threaded Reducer ..... <i>For Work In Restricted Working Space, Add</i>	106.74 28.61	47.70

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0358 EA 2", 150#, Type 316 Stainless Steel Threaded Reducer ..... <i>For Work In Restricted Working Space, Add</i>	134.61 34.63	57.69
40 05 23 23-0359 EA 2-1/2", 150#, Type 316 Stainless Steel Threaded Reducer ..... <i>For Work In Restricted Working Space, Add</i>	224.38 54.64	91.36
40 05 23 23-0360 EA 3", 150#, Type 316 Stainless Steel Threaded Reducer ..... <i>For Work In Restricted Working Space, Add</i>	292.44 70.76	117.90
40 05 23 23-0361 EA 4", 150#, Type 316 Stainless Steel Threaded Reducer ..... <i>For Work In Restricted Working Space, Add</i>	386.30 87.74	146.19
<b>40 05 23 23-0362 150#, Type 316 Stainless Steel Threaded Caps (40 05 23 23-0312)</b>		
40 05 23 23-0363 EA 1/2", 150#, Type 316 Stainless Steel Threaded Cap ..... <i>For Work In Restricted Working Space, Add</i>	19.87 5.31	8.89
40 05 23 23-0364 EA 3/4", 150#, Type 316 Stainless Steel Threaded Cap ..... <i>For Work In Restricted Working Space, Add</i>	26.07 7.07	11.84
40 05 23 23-0365 EA 1", 150#, Type 316 Stainless Steel Threaded Cap ..... <i>For Work In Restricted Working Space, Add</i>	33.07 8.77	14.58
40 05 23 23-0366 EA 1-1/4", 150#, Type 316 Stainless Steel Threaded Cap ..... <i>For Work In Restricted Working Space, Add</i>	48.92 12.42	20.73
40 05 23 23-0367 EA 1-1/2", 150#, Type 316 Stainless Steel Threaded Cap ..... <i>For Work In Restricted Working Space, Add</i>	56.33 14.00	23.36
40 05 23 23-0368 EA 2", 150#, Type 316 Stainless Steel Threaded Cap ..... <i>For Work In Restricted Working Space, Add</i>	71.65 17.78	29.61
40 05 23 23-0369 EA 2-1/2", 150#, Type 316 Stainless Steel Threaded Cap ..... <i>For Work In Restricted Working Space, Add</i>	109.66 26.32	43.87
40 05 23 23-0370 EA 3", 150#, Type 316 Stainless Steel Threaded Cap ..... <i>For Work In Restricted Working Space, Add</i>	144.15 34.63	57.69
40 05 23 23-0371 EA 4", 150#, Type 316 Stainless Steel Threaded Cap ..... <i>For Work In Restricted Working Space, Add</i>	196.10 43.87	73.15
<b>40 05 23 23-0372 150#, Type 316 Stainless Steel Threaded Unions (40 05 23 23-0312)</b>		
40 05 23 23-0373 EA 1/2", 150#, Type 316 Stainless Steel Threaded Union ..... <i>For Work In Restricted Working Space, Add</i>	61.72 16.05	26.76
40 05 23 23-0374 EA 3/4", 150#, Type 316 Stainless Steel Threaded Union ..... <i>For Work In Restricted Working Space, Add</i>	83.66 21.23	35.42
40 05 23 23-0375 EA 1", 150#, Type 316 Stainless Steel Threaded Union ..... <i>For Work In Restricted Working Space, Add</i>	103.47 26.32	43.87
40 05 23 23-0376 EA 1-1/4", 150#, Type 316 Stainless Steel Threaded Union ..... <i>For Work In Restricted Working Space, Add</i>	149.08 36.56	60.98
40 05 23 23-0377 EA 1-1/2", 150#, Type 316 Stainless Steel Threaded Union ..... <i>For Work In Restricted Working Space, Add</i>	167.98 41.13	68.54
40 05 23 23-0378 EA 2", 150#, Type 316 Stainless Steel Threaded Union ..... <i>For Work In Restricted Working Space, Add</i>	219.64 54.84	91.36
40 05 23 23-0379 EA 2-1/2", 150#, Type 316 Stainless Steel Threaded Union ..... <i>For Work In Restricted Working Space, Add</i>	368.86 82.25	137.09
40 05 23 23-0380 EA 3", 150#, Type 316 Stainless Steel Threaded Union ..... <i>For Work In Restricted Working Space, Add</i>	485.44 106.14	176.90
40 05 23 23-0381 EA 4", 150#, Type 316 Stainless Steel Threaded Union ..... <i>For Work In Restricted Working Space, Add</i>	516.77 87.75	146.25
<b>40 05 23 23-0382 150#, Type 316 Stainless Steel Threaded Couplings (40 05 23 23-0312)</b>		
40 05 23 23-0383 EA 1/2", 150#, Type 316 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	39.28 10.61	17.66
40 05 23 23-0384 EA 3/4", 150#, Type 316 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	50.75 14.00	23.36
40 05 23 23-0385 EA 1", 150#, Type 316 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	65.07 17.78	29.61
40 05 23 23-0386 EA 1-1/4", 150#, Type 316 Stainless Steel Threaded Coupling ..... <i>For Work In Restricted Working Space, Add</i>	90.45 24.37	40.58
40 05 23 23-0387 EA 1-1/2", 150#, Type 316 Stainless Steel Threaded Coupling ..... <i>For Work In Restricted Working Space, Add</i>	106.32 28.61	47.70
40 05 23 23-0388 EA 2", 150#, Type 316 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	130.84 34.63	57.69
40 05 23 23-0389 EA 2-1/2", 150#, Type 316 Stainless Steel Threaded Coupling ..... <i>For Work In Restricted Working Space, Add</i>	218.98 54.84	91.36
40 05 23 23-0390 EA 3", 150#, Type 316 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	282.60 70.76	117.90
40 05 23 23-0391 EA 4", 150#, Type 316 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	364.67 87.74	146.19
<b>40 05 23 23-0392 Type 304, Schedule 10 Stainless Steel Pipe And Butt Weld Fittings (40 05 23 23-0231)</b>		
<b>40 05 23 23-0393 Type 304, Schedule 10 Stainless Steel Pipe (40 05 23 23-0392)</b>		
40 05 23 23-0394 LF 1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	19.36 2.77	4.61
40 05 23 23-0395 LF 3/4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	22.99 3.38	5.63
40 05 23 23-0396 LF 1" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	30.68 3.96	6.65
40 05 23 23-0397 LF 1-1/4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	37.41 4.95	8.29
40 05 23 23-0398 LF 1-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	41.58 5.58	9.32

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

40 05 23 23-0399	LF	2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	51.42	11.57
		<i>For Work In Restricted Working Space, Add</i>	6.92	
40 05 23 23-0400	LF	2-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	61.63	13.20
		<i>For Work In Restricted Working Space, Add</i>	7.90	
40 05 23 23-0401	LF	3" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	72.92	14.85
		<i>For Work In Restricted Working Space, Add</i>	8.90	
40 05 23 23-0402	LF	4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	91.85	17.60
		<i>For Work In Restricted Working Space, Add</i>	10.53	
40 05 23 23-0403	LF	6" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	134.67	23.13
		<i>For Work In Restricted Working Space, Add</i>	13.83	
40 05 23 23-0404	LF	8" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	222.49	40.56
		<i>For Work In Restricted Working Space, Add</i>	26.06	
40 05 23 23-0405	LF	10" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	286.53	44.60
		<i>For Work In Restricted Working Space, Add</i>	28.67	
40 05 23 23-0406	LF	12" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	344.20	49.58
		<i>For Work In Restricted Working Space, Add</i>	31.85	
40 05 23 23-0407	LF	14" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	425.19	55.74
		<i>For Work In Restricted Working Space, Add</i>	35.84	
40 05 23 23-0408	LF	16" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	467.41	63.70
		<i>For Work In Restricted Working Space, Add</i>	40.95	
40 05 23 23-0409	LF	18" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	522.71	74.32
		<i>For Work In Restricted Working Space, Add</i>	47.78	
40 05 23 23-0410	LF	20" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	730.32	89.18
		<i>For Work In Restricted Working Space, Add</i>	57.33	
40 05 23 23-0411	LF	24" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	954.03	111.49
		<i>For Work In Restricted Working Space, Add</i>	71.67	

**40 05 23 23-0412 Type 304, Schedule 10 Stainless Steel Butt Weld 90 Degree Elbow** (40 05 23 23-0392)

40 05 23 23-0413	EA	1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	120.89	52.51
		<i>For Work In Restricted Working Space, Add</i>	35.00	
40 05 23 23-0414	EA	3/4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	128.07	55.73
		<i>For Work In Restricted Working Space, Add</i>	37.16	
40 05 23 23-0415	EA	1", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	141.08	61.24
		<i>For Work In Restricted Working Space, Add</i>	40.83	
40 05 23 23-0416	EA	1-1/4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	153.94	66.75
		<i>For Work In Restricted Working Space, Add</i>	44.50	
40 05 23 23-0417	EA	1-1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	170.03	73.72
		<i>For Work In Restricted Working Space, Add</i>	49.15	
40 05 23 23-0418	EA	2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	189.95	82.02
		<i>For Work In Restricted Working Space, Add</i>	54.68	
40 05 23 23-0419	EA	2-1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	246.43	104.96
		<i>For Work In Restricted Working Space, Add</i>	69.98	
40 05 23 23-0420	EA	3", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	289.04	123.02
		<i>For Work In Restricted Working Space, Add</i>	82.01	
40 05 23 23-0421	EA	4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	352.82	147.24
		<i>For Work In Restricted Working Space, Add</i>	98.17	
40 05 23 23-0422	EA	6", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	477.35	183.94
		<i>For Work In Restricted Working Space, Add</i>	122.63	
40 05 23 23-0423	EA	8", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	808.43	307.15
		<i>For Work In Restricted Working Space, Add</i>	204.77	
40 05 23 23-0424	EA	10", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	1,180.09	409.52
		<i>For Work In Restricted Working Space, Add</i>	273.02	
40 05 23 23-0425	EA	12", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	1,781.13	614.29
		<i>For Work In Restricted Working Space, Add</i>	409.53	
40 05 23 23-0426	EA	14", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	2,103.24	716.67
		<i>For Work In Restricted Working Space, Add</i>	477.78	
40 05 23 23-0427	EA	16", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	2,463.32	817.50
		<i>For Work In Restricted Working Space, Add</i>	545.00	
40 05 23 23-0428	EA	18", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	3,110.52	1,023.83
		<i>For Work In Restricted Working Space, Add</i>	682.55	
40 05 23 23-0429	EA	20", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	4,338.37	1,433.35
		<i>For Work In Restricted Working Space, Add</i>	955.57	
40 05 23 23-0430	EA	24", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	6,224.99	2,047.64
		<i>For Work In Restricted Working Space, Add</i>	1,365.09	

**40 05 23 23-0431 Type 304, Schedule 10 Stainless Steel Butt Weld 45 Degree Elbow** (40 05 23 23-0392)

40 05 23 23-0432	EA	1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	122.14	52.51
		<i>For Work In Restricted Working Space, Add</i>	35.00	
40 05 23 23-0433	EA	3/4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	129.32	55.73
		<i>For Work In Restricted Working Space, Add</i>	37.16	
40 05 23 23-0434	EA	1", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	142.57	61.24
		<i>For Work In Restricted Working Space, Add</i>	40.83	
40 05 23 23-0435	EA	1-1/4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	155.93	66.75
		<i>For Work In Restricted Working Space, Add</i>	44.50	
40 05 23 23-0436	EA	1-1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	170.28	73.72
		<i>For Work In Restricted Working Space, Add</i>	49.15	
40 05 23 23-0437	EA	2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	189.95	82.02
		<i>For Work In Restricted Working Space, Add</i>	54.68	
40 05 23 23-0438	EA	2-1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	245.19	104.96
		<i>For Work In Restricted Working Space, Add</i>	69.98	
40 05 23 23-0439	EA	3", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	286.80	123.02
		<i>For Work In Restricted Working Space, Add</i>	82.01	
40 05 23 23-0440	EA	4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	348.59	147.24
		<i>For Work In Restricted Working Space, Add</i>	98.17	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0441 EA 6", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	455.24 122.63	183.94
40 05 23 23-0442 EA 8", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	765.76 204.77	307.15
40 05 23 23-0443 EA 10", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,104.13 273.02	409.52
40 05 23 23-0444 EA 12", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,660.87 409.53	614.29
40 05 23 23-0445 EA 14", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,955.64 477.78	716.67
40 05 23 23-0446 EA 16", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,281.15 545.00	817.50
40 05 23 23-0447 EA 18", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,871.29 682.55	1,023.83
40 05 23 23-0448 EA 20", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	4,015.56 955.57	1,433.35
40 05 23 23-0449 EA 24", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	5,767.07 1,365.09	2,047.64
<b>40 05 23 23-0450 Type 304, Schedule 10 Stainless Steel Butt Weld Tee (40 05 23 23-0392)</b>		
40 05 23 23-0451 EA 1/2", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	161.97 44.49	66.73
40 05 23 23-0452 EA 3/4", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	195.72 54.62	81.92
40 05 23 23-0453 EA 1", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	218.21 61.36	92.05
40 05 23 23-0454 EA 1-1/4", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	248.44 69.98	104.96
40 05 23 23-0455 EA 1-1/2", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	264.05 75.11	112.67
40 05 23 23-0456 EA 2", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	287.74 81.92	122.89
40 05 23 23-0457 EA 2-1/2", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	368.60 98.17	147.24
40 05 23 23-0458 EA 3", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	436.91 123.02	184.53
40 05 23 23-0459 EA 4", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	500.48 138.07	207.10
40 05 23 23-0460 EA 6", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	720.74 184.09	276.13
40 05 23 23-0461 EA 8", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	1,162.64 273.02	409.52
40 05 23 23-0462 EA 10", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	1,781.13 409.53	614.29
40 05 23 23-0463 EA 12", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	2,284.25 511.91	767.86
40 05 23 23-0464 EA 14", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	2,804.06 615.17	922.75
40 05 23 23-0465 EA 16", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	3,398.80 750.44	1,125.67
40 05 23 23-0466 EA 18", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	4,325.11 955.57	1,433.35
40 05 23 23-0467 EA 20", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	5,775.57 1,257.32	1,885.99
40 05 23 23-0468 EA 24", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	8,669.05 1,911.13	2,866.70
<b>40 05 23 23-0469 Type 304, Schedule 10 Stainless Steel Butt Weld Reducing Tees (40 05 23 23-0392)</b>		
40 05 23 23-0470 EA 3/4", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	148.26 37.17	55.75
40 05 23 23-0471 EA 1", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	176.18 45.55	68.32
40 05 23 23-0472 EA 1-1/4", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	215.05 51.18	76.76
40 05 23 23-0473 EA 1-1/2", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	225.04 58.34	87.51
40 05 23 23-0474 EA 2", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	236.57 62.69	94.03
40 05 23 23-0475 EA 2-1/2", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	302.55 68.32	102.47
40 05 23 23-0476 EA 3", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	356.97 81.89	122.84
40 05 23 23-0477 EA 4", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	440.58 102.35	153.53
40 05 23 23-0478 EA 6", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	573.24 116.95	175.42
40 05 23 23-0479 EA 8", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	1,054.08 170.64	255.96
40 05 23 23-0480 EA 10", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	1,715.82 227.52	341.28
40 05 23 23-0481 EA 12", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	2,458.17 341.27	511.90
40 05 23 23-0482 EA 14", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	2,980.77 410.00	615.00
40 05 23 23-0483 EA 16", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	3,688.55 500.12	750.18

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0484	EA		18", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	4,759.59 637.04	955.57
40 05 23 23-0485	EA		20", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	6,741.70 838.22	1,257.32
40 05 23 23-0486	EA		24", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	10,530.53 1,272.96	1,909.43
<b>40 05 23 23-0487</b>			<b>Type 304, Schedule 10 Stainless Steel Butt Weld Reducers (40 05 23 23-0392)</b>		
40 05 23 23-0488	EA		3/4", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	121.12 33.80	50.71
40 05 23 23-0489	EA		1", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	133.22 36.83	55.25
40 05 23 23-0490	EA		1-1/4", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	147.68 40.83	61.24
40 05 23 23-0491	EA		1-1/2", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	157.54 44.50	66.75
40 05 23 23-0492	EA		2", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	172.02 49.15	73.72
40 05 23 23-0493	EA		2-1/2", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	229.07 61.41	92.12
40 05 23 23-0494	EA		3", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	259.15 69.92	104.87
40 05 23 23-0495	EA		4", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	302.95 81.92	122.89
40 05 23 23-0496	EA		6", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	390.41 104.30	156.45
40 05 23 23-0497	EA		8", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	614.71 163.82	245.72
40 05 23 23-0498	EA		10", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	780.52 204.77	307.15
40 05 23 23-0499	EA		12", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,048.83 273.02	409.52
40 05 23 23-0500	EA		14", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,483.08 358.34	537.50
40 05 23 23-0501	EA		16", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,730.03 408.36	612.54
40 05 23 23-0502	EA		18", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,133.41 511.91	767.86
40 05 23 23-0503	EA		20", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,980.65 682.55	1,023.83
40 05 23 23-0504	EA		24", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	4,313.66 1,023.82	1,535.73
40 05 23 23-0505	EA		3/4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	144.48 33.80	50.71
40 05 23 23-0506	EA		1", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	150.37 36.83	55.25
40 05 23 23-0507	EA		1-1/4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	159.43 40.83	61.24
40 05 23 23-0508	EA		1-1/2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	178.91 44.50	66.75
40 05 23 23-0509	EA		2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	187.43 49.15	73.72
40 05 23 23-0510	EA		2-1/2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	245.97 61.41	92.12
40 05 23 23-0511	EA		3", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	275.80 69.92	104.87
40 05 23 23-0512	EA		4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	315.83 81.92	122.89
40 05 23 23-0513	EA		6", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	436.88 104.30	156.45
40 05 23 23-0514	EA		8", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	714.34 163.82	245.72
40 05 23 23-0515	EA		10", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	974.85 204.77	307.15
40 05 23 23-0516	EA		12", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,228.40 273.02	409.52
40 05 23 23-0517	EA		14", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,897.32 358.34	537.50
40 05 23 23-0518	EA		16", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,204.68 408.36	612.54
40 05 23 23-0519	EA		18", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,712.70 511.91	767.86
40 05 23 23-0520	EA		20", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	3,908.93 682.55	1,023.83
40 05 23 23-0521	EA		24", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	5,543.93 1,023.82	1,535.73
<b>40 05 23 23-0522</b>			<b>Type 304, Schedule 10 Stainless Steel Butt Weld Caps (40 05 23 23-0392)</b>		
40 05 23 23-0523	EA		1/2", Type 304, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	66.04 17.50	26.25
40 05 23 23-0524	EA		3/4", Type 304, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	72.37 18.58	27.86
40 05 23 23-0525	EA		1", Type 304, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	79.49 20.42	30.62
40 05 23 23-0526	EA		1-1/4", Type 304, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	87.48 22.25	33.38

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0527 EA 1-1/2", Type 304, Schedule 10 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	94.09 24.57	36.85
40 05 23 23-0528 EA 2", Type 304, Schedule 10 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	101.81 27.34	41.00
40 05 23 23-0529 EA 2-1/2", Type 304, Schedule 10 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	132.04 34.99	52.49
40 05 23 23-0530 EA 3", Type 304, Schedule 10 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	149.86 41.01	61.51
40 05 23 23-0531 EA 4", Type 304, Schedule 10 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	180.51 49.08	73.63
40 05 23 23-0532 EA 6", Type 304, Schedule 10 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	232.30 61.41	92.12
40 05 23 23-0533 EA 8", Type 304, Schedule 10 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	390.94 102.38	153.57
40 05 23 23-0534 EA 10", Type 304, Schedule 10 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	520.64 136.51	204.77
40 05 23 23-0535 EA 12", Type 304, Schedule 10 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	768.04 204.77	307.14
40 05 23 23-0536 EA 14", Type 304, Schedule 10 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	901.09 238.89	358.34
40 05 23 23-0537 EA 16", Type 304, Schedule 10 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	1,043.48 272.50	408.74
40 05 23 23-0538 EA 18", Type 304, Schedule 10 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	1,317.08 341.27	511.90
40 05 23 23-0539 EA 20", Type 304, Schedule 10 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	1,820.85 477.78	716.67
40 05 23 23-0540 EA 24", Type 304, Schedule 10 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	2,677.32 682.55	1,023.82
<b>40 05 23 23-0541 Type 304, Schedule 40 Stainless Steel Pipe And Butt Weld Fittings (40 05 23 23-0231)</b>		
<b>40 05 23 23-0542 Type 304, Schedule 40 Stainless Steel Pipe (40 05 23 23-0541)</b>		
40 05 23 23-0543 LF 1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	21.85 2.77	4.61
40 05 23 23-0544 LF 3/4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	26.52 3.38	5.63
40 05 23 23-0545 LF 1" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	32.58 3.96	6.65
40 05 23 23-0546 LF 1-1/4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	40.73 4.95	8.18
40 05 23 23-0547 LF 1-1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	46.98 5.58	9.22
40 05 23 23-0548 LF 2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	60.31 6.92	11.77
40 05 23 23-0549 LF 2-1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	75.19 7.90	13.30
40 05 23 23-0550 LF 3" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	72.68 8.90	14.85
40 05 23 23-0551 LF 4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	122.09 10.53	17.40
40 05 23 23-0552 LF 6" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	191.41 13.83	23.03
40 05 23 23-0553 LF 8" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	335.98 26.06	40.34
40 05 23 23-0554 LF 10" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	427.69 28.67	44.60
40 05 23 23-0555 LF 12" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	535.19 31.85	49.38
<b>40 05 23 23-0556 Type 304, Schedule 40 Stainless Steel Butt Weld 90 Degree Elbows (40 05 23 23-0541)</b>		
40 05 23 23-0557 EA 1/2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	121.89 35.00	52.51
40 05 23 23-0558 EA 3/4", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	129.07 37.16	55.73
40 05 23 23-0559 EA 1", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	141.83 40.83	61.24
40 05 23 23-0560 EA 1-1/4", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	154.49 44.50	66.75
40 05 23 23-0561 EA 1-1/2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	170.53 49.15	73.72
40 05 23 23-0562 EA 2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	191.69 54.68	82.02
40 05 23 23-0563 EA 2-1/2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	252.89 69.98	104.96
40 05 23 23-0564 EA 3", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	298.48 82.01	123.02
40 05 23 23-0565 EA 4", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	368.72 98.17	147.24
40 05 23 23-0566 EA 6", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	579.00 122.63	183.94
40 05 23 23-0567 EA 8", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	946.94 204.77	307.15
40 05 23 23-0568 EA 10", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,461.11 273.02	409.52

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

40 05 23 23-0569	EA	12", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	2,145.63	614.29
		<i>For Work In Restricted Working Space, Add</i>	409.53	
40 05 23 23-0570	EA	14", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	2,545.43	716.67
		<i>For Work In Restricted Working Space, Add</i>	477.78	
40 05 23 23-0571	EA	16", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	3,031.37	817.50
		<i>For Work In Restricted Working Space, Add</i>	545.00	
40 05 23 23-0572	EA	18", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	3,899.81	1,023.83
		<i>For Work In Restricted Working Space, Add</i>	682.55	
40 05 23 23-0573	EA	20", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	5,312.58	1,433.35
		<i>For Work In Restricted Working Space, Add</i>	955.57	
40 05 23 23-0574	EA	24", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	7,614.86	2,047.64
		<i>For Work In Restricted Working Space, Add</i>	1,365.09	

**40 05 23 23-0575 Type 304, Schedule 40 Stainless Steel Butt Weld 45 Degree Elbows** (40 05 23 23-0541)

40 05 23 23-0576	EA	1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	123.63	52.51
		<i>For Work In Restricted Working Space, Add</i>	35.00	
40 05 23 23-0577	EA	3/4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	130.81	55.73
		<i>For Work In Restricted Working Space, Add</i>	37.16	
40 05 23 23-0578	EA	1", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	143.07	61.24
		<i>For Work In Restricted Working Space, Add</i>	40.83	
40 05 23 23-0579	EA	1-1/4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	155.75	66.75
		<i>For Work In Restricted Working Space, Add</i>	44.50	
40 05 23 23-0580	EA	1-1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	171.77	73.72
		<i>For Work In Restricted Working Space, Add</i>	49.15	
40 05 23 23-0581	EA	2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	191.96	82.02
		<i>For Work In Restricted Working Space, Add</i>	54.68	
40 05 23 23-0582	EA	2-1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	252.89	104.96
		<i>For Work In Restricted Working Space, Add</i>	69.98	
40 05 23 23-0583	EA	3", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	291.52	123.02
		<i>For Work In Restricted Working Space, Add</i>	82.01	
40 05 23 23-0584	EA	4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	372.45	147.24
		<i>For Work In Restricted Working Space, Add</i>	98.17	
40 05 23 23-0585	EA	6", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	494.25	183.94
		<i>For Work In Restricted Working Space, Add</i>	122.63	
40 05 23 23-0586	EA	8", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	858.09	307.15
		<i>For Work In Restricted Working Space, Add</i>	204.77	
40 05 23 23-0587	EA	10", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	1,239.14	409.52
		<i>For Work In Restricted Working Space, Add</i>	273.02	
40 05 23 23-0588	EA	12", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	1,818.17	614.29
		<i>For Work In Restricted Working Space, Add</i>	409.53	
40 05 23 23-0589	EA	14", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	2,066.57	716.67
		<i>For Work In Restricted Working Space, Add</i>	477.78	
40 05 23 23-0590	EA	16", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	2,461.23	817.50
		<i>For Work In Restricted Working Space, Add</i>	545.00	
40 05 23 23-0591	EA	18", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	3,104.41	1,023.83
		<i>For Work In Restricted Working Space, Add</i>	682.55	
40 05 23 23-0592	EA	20", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	4,239.29	1,433.35
		<i>For Work In Restricted Working Space, Add</i>	955.57	
40 05 23 23-0593	EA	24", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	6,146.95	2,047.64
		<i>For Work In Restricted Working Space, Add</i>	1,365.09	

**40 05 23 23-0594 Type 304, Schedule 40 Stainless Steel Butt Weld Tees** (40 05 23 23-0541)

40 05 23 23-0595	EA	1/2", Type 304, Schedule 40 Stainless Steel Tee	162.96	66.73
		<i>For Work In Restricted Working Space, Add</i>	44.49	
40 05 23 23-0596	EA	3/4", Type 304, Schedule 40 Stainless Steel Tee	196.71	81.92
		<i>For Work In Restricted Working Space, Add</i>	54.62	
40 05 23 23-0597	EA	1", Type 304, Schedule 40 Stainless Steel Tee	219.20	92.05
		<i>For Work In Restricted Working Space, Add</i>	61.36	
40 05 23 23-0598	EA	1-1/4", Type 304, Schedule 40 Stainless Steel Tee	250.97	104.96
		<i>For Work In Restricted Working Space, Add</i>	69.98	
40 05 23 23-0599	EA	1-1/2", Type 304, Schedule 40 Stainless Steel Tee	265.04	112.67
		<i>For Work In Restricted Working Space, Add</i>	75.11	
40 05 23 23-0600	EA	2", Type 304, Schedule 40 Stainless Steel Tee	288.99	122.89
		<i>For Work In Restricted Working Space, Add</i>	81.92	
40 05 23 23-0601	EA	2-1/2", Type 304, Schedule 40 Stainless Steel Tee	371.96	147.24
		<i>For Work In Restricted Working Space, Add</i>	98.17	
40 05 23 23-0602	EA	3", Type 304, Schedule 40 Stainless Steel Tee	442.13	184.53
		<i>For Work In Restricted Working Space, Add</i>	123.02	
40 05 23 23-0603	EA	4", Type 304, Schedule 40 Stainless Steel Tee	506.20	207.10
		<i>For Work In Restricted Working Space, Add</i>	138.07	
40 05 23 23-0604	EA	6", Type 304, Schedule 40 Stainless Steel Tee	760.25	276.13
		<i>For Work In Restricted Working Space, Add</i>	184.09	
40 05 23 23-0605	EA	8", Type 304, Schedule 40 Stainless Steel Tee	1,279.93	409.52
		<i>For Work In Restricted Working Space, Add</i>	273.02	
40 05 23 23-0606	EA	10", Type 304, Schedule 40 Stainless Steel Tee	2,141.08	614.29
		<i>For Work In Restricted Working Space, Add</i>	409.53	
40 05 23 23-0607	EA	12", Type 304, Schedule 40 Stainless Steel Tee	2,663.79	767.86
		<i>For Work In Restricted Working Space, Add</i>	511.91	
40 05 23 23-0608	EA	14", Type 304, Schedule 40 Stainless Steel Tee	3,568.84	922.75
		<i>For Work In Restricted Working Space, Add</i>	615.17	
40 05 23 23-0609	EA	16", Type 304, Schedule 40 Stainless Steel Tee	4,515.33	1,125.67
		<i>For Work In Restricted Working Space, Add</i>	750.44	
40 05 23 23-0610	EA	18", Type 304, Schedule 40 Stainless Steel Tee	5,841.08	1,433.35
		<i>For Work In Restricted Working Space, Add</i>	955.57	
40 05 23 23-0611	EA	20", Type 304, Schedule 40 Stainless Steel Tee	7,553.77	1,885.99
		<i>For Work In Restricted Working Space, Add</i>	1,257.32	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0612 EA 24", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	11,557.05 1,911.13	2,866.70
<b>40 05 23 23-0613 Type 304, Schedule 40 Stainless Steel Butt Weld Reducing Tees</b> <small>(40 05 23 23-0541)</small>		
40 05 23 23-0614 EA 3/4", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	151.49 37.17	55.75
40 05 23 23-0615 EA 1", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	179.41 45.55	68.32
40 05 23 23-0616 EA 1-1/4", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	230.60 51.18	76.76
40 05 23 23-0617 EA 1-1/2", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	229.76 58.34	87.51
40 05 23 23-0618 EA 2", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	236.57 62.69	94.03
40 05 23 23-0619 EA 2-1/2", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	286.66 68.32	102.47
40 05 23 23-0620 EA 3", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	321.93 81.89	122.84
40 05 23 23-0621 EA 4", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	422.19 102.35	153.53
40 05 23 23-0622 EA 6", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	576.23 116.95	175.42
40 05 23 23-0623 EA 8", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	948.59 170.64	255.96
40 05 23 23-0624 EA 10", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	1,748.83 227.52	341.28
40 05 23 23-0625 EA 12", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	2,524.20 341.27	511.90
40 05 23 23-0626 EA 14", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	2,888.12 410.00	615.00
40 05 23 23-0627 EA 16", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	3,572.52 500.12	750.18
40 05 23 23-0628 EA 18", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	4,608.28 637.04	955.57
40 05 23 23-0629 EA 20", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	6,515.10 838.22	1,257.32
40 05 23 23-0630 EA 24", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	10,169.64 1,272.96	1,909.43
<b>40 05 23 23-0631 Type 304, Schedule 40 Stainless Steel Butt Weld Reducers</b> <small>(40 05 23 23-0541)</small>		
40 05 23 23-0632 EA 3/4", Type 304, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	123.61 33.80	50.71
40 05 23 23-0633 EA 1", Type 304, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	135.70 36.83	55.25
40 05 23 23-0634 EA 1-1/4", Type 304, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	147.86 40.83	61.24
40 05 23 23-0635 EA 1-1/2", Type 304, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	160.02 44.50	66.75
40 05 23 23-0636 EA 2", Type 304, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	173.51 49.15	73.72
40 05 23 23-0637 EA 2-1/2", Type 304, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	229.07 61.41	92.12
40 05 23 23-0638 EA 3", Type 304, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	250.20 69.92	104.87
40 05 23 23-0639 EA 4", Type 304, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	290.23 81.92	122.89
40 05 23 23-0640 EA 6", Type 304, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	392.40 104.30	156.45
40 05 23 23-0641 EA 8", Type 304, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	656.91 163.82	245.72
40 05 23 23-0642 EA 10", Type 304, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	852.99 204.77	307.15
40 05 23 23-0643 EA 12", Type 304, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	1,113.51 273.02	409.52
40 05 23 23-0644 EA 14", Type 304, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	1,628.24 358.34	537.50
40 05 23 23-0645 EA 16", Type 304, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	1,912.51 408.36	612.54
40 05 23 23-0646 EA 18", Type 304, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	2,502.94 511.91	767.86
40 05 23 23-0647 EA 20", Type 304, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	3,416.54 682.55	1,023.83
40 05 23 23-0648 EA 24", Type 304, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	4,765.06 1,023.82	1,535.73
40 05 23 23-0649 EA 3/4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	145.49 33.80	50.71
40 05 23 23-0650 EA 1", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	155.59 36.83	55.25
40 05 23 23-0651 EA 1-1/4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	177.32 40.83	61.24
40 05 23 23-0652 EA 1-1/2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	188.10 44.50	66.75
40 05 23 23-0653 EA 2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	201.60 49.15	73.72
40 05 23 23-0654 EA 2-1/2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	245.97 61.41	92.12

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

40 05 23 23-0655	EA	3", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	306.61	104.87
		<i>For Work In Restricted Working Space, Add</i>	69.92	
40 05 23 23-0656	EA	4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	336.70	122.89
		<i>For Work In Restricted Working Space, Add</i>	81.92	
40 05 23 23-0657	EA	6", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	457.51	156.45
		<i>For Work In Restricted Working Space, Add</i>	104.30	
40 05 23 23-0658	EA	8", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	716.49	245.72
		<i>For Work In Restricted Working Space, Add</i>	163.82	
40 05 23 23-0659	EA	10", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	972.97	307.15
		<i>For Work In Restricted Working Space, Add</i>	204.77	
40 05 23 23-0660	EA	12", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	1,326.10	409.52
		<i>For Work In Restricted Working Space, Add</i>	273.02	
40 05 23 23-0661	EA	14", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	2,149.31	537.50
		<i>For Work In Restricted Working Space, Add</i>	358.34	
40 05 23 23-0662	EA	16", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	2,438.41	612.54
		<i>For Work In Restricted Working Space, Add</i>	408.36	
40 05 23 23-0663	EA	18", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	3,183.30	767.86
		<i>For Work In Restricted Working Space, Add</i>	511.91	
40 05 23 23-0664	EA	20", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	4,141.18	1,023.83
		<i>For Work In Restricted Working Space, Add</i>	682.55	
40 05 23 23-0665	EA	24", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	6,573.33	1,535.73
		<i>For Work In Restricted Working Space, Add</i>	1,023.82	

**40 05 23 23-0666 Type 304, Schedule 40 Stainless Steel Butt Weld Caps (40 05 23 23-0541)**

40 05 23 23-0667	EA	1/2", Type 304, Schedule 40 Stainless Steel Cap	66.79	26.25
		<i>For Work In Restricted Working Space, Add</i>	17.50	
40 05 23 23-0668	EA	3/4", Type 304, Schedule 40 Stainless Steel Cap	71.62	27.86
		<i>For Work In Restricted Working Space, Add</i>	18.58	
40 05 23 23-0669	EA	1", Type 304, Schedule 40 Stainless Steel Cap	80.24	30.62
		<i>For Work In Restricted Working Space, Add</i>	20.42	
40 05 23 23-0670	EA	1-1/4", Type 304, Schedule 40 Stainless Steel Cap	90.80	33.38
		<i>For Work In Restricted Working Space, Add</i>	22.25	
40 05 23 23-0671	EA	1-1/2", Type 304, Schedule 40 Stainless Steel Cap	97.32	36.85
		<i>For Work In Restricted Working Space, Add</i>	24.57	
40 05 23 23-0672	EA	2", Type 304, Schedule 40 Stainless Steel Cap	101.56	41.00
		<i>For Work In Restricted Working Space, Add</i>	27.34	
40 05 23 23-0673	EA	2-1/2", Type 304, Schedule 40 Stainless Steel Cap	130.37	52.49
		<i>For Work In Restricted Working Space, Add</i>	34.99	
40 05 23 23-0674	EA	3", Type 304, Schedule 40 Stainless Steel Cap	150.86	61.51
		<i>For Work In Restricted Working Space, Add</i>	41.01	
40 05 23 23-0675	EA	4", Type 304, Schedule 40 Stainless Steel Cap	183.49	73.63
		<i>For Work In Restricted Working Space, Add</i>	49.08	
40 05 23 23-0676	EA	6", Type 304, Schedule 40 Stainless Steel Cap	250.69	92.12
		<i>For Work In Restricted Working Space, Add</i>	61.41	
40 05 23 23-0677	EA	8", Type 304, Schedule 40 Stainless Steel Cap	420.47	153.57
		<i>For Work In Restricted Working Space, Add</i>	102.38	
40 05 23 23-0678	EA	10", Type 304, Schedule 40 Stainless Steel Cap	562.39	204.77
		<i>For Work In Restricted Working Space, Add</i>	136.51	
40 05 23 23-0679	EA	12", Type 304, Schedule 40 Stainless Steel Cap	847.62	307.14
		<i>For Work In Restricted Working Space, Add</i>	204.77	
40 05 23 23-0680	EA	14", Type 304, Schedule 40 Stainless Steel Cap	973.99	358.34
		<i>For Work In Restricted Working Space, Add</i>	238.89	
40 05 23 23-0681	EA	16", Type 304, Schedule 40 Stainless Steel Cap	1,143.76	408.74
		<i>For Work In Restricted Working Space, Add</i>	272.50	
40 05 23 23-0682	EA	18", Type 304, Schedule 40 Stainless Steel Cap	1,435.93	511.90
		<i>For Work In Restricted Working Space, Add</i>	341.27	
40 05 23 23-0683	EA	20", Type 304, Schedule 40 Stainless Steel Cap	1,979.33	716.67
		<i>For Work In Restricted Working Space, Add</i>	477.78	
40 05 23 23-0684	EA	24", Type 304, Schedule 40 Stainless Steel Cap	2,942.31	1,023.82
		<i>For Work In Restricted Working Space, Add</i>	682.55	

**40 05 23 23-0685 Type 316, Schedule 10 Stainless Steel Pipe And Butt Weld Fittings (40 05 23 23-0231)****40 05 23 23-0686 Type 316, Schedule 10 Stainless Steel Pipe (40 05 23 23-0685)**

40 05 23 23-0687	LF	1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	22.52	4.61
		<i>For Work In Restricted Working Space, Add</i>	2.77	
40 05 23 23-0688	LF	3/4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	26.65	5.63
		<i>For Work In Restricted Working Space, Add</i>	3.38	
40 05 23 23-0689	LF	1" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	36.14	6.65
		<i>For Work In Restricted Working Space, Add</i>	3.96	
40 05 23 23-0690	LF	1-1/4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	43.93	8.29
		<i>For Work In Restricted Working Space, Add</i>	4.95	
40 05 23 23-0691	LF	1-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	48.76	9.32
		<i>For Work In Restricted Working Space, Add</i>	5.58	
40 05 23 23-0692	LF	2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	60.28	11.57
		<i>For Work In Restricted Working Space, Add</i>	6.92	
40 05 23 23-0693	LF	2-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	72.65	13.20
		<i>For Work In Restricted Working Space, Add</i>	7.90	
40 05 23 23-0694	LF	3" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	86.42	14.85
		<i>For Work In Restricted Working Space, Add</i>	8.90	
40 05 23 23-0695	LF	4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	109.57	17.60
		<i>For Work In Restricted Working Space, Add</i>	10.53	
40 05 23 23-0696	LF	6" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	162.33	23.13
		<i>For Work In Restricted Working Space, Add</i>	13.83	
40 05 23 23-0697	LF	8" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	264.85	40.56
		<i>For Work In Restricted Working Space, Add</i>	26.06	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0698 LF 10" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	346.17 28.67	44.60
40 05 23 23-0699 LF 12" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	418.54 31.85	49.58
40 05 23 23-0700 LF 14" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	520.67 35.84	55.74
40 05 23 23-0701 LF 16" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	570.74 40.95	63.70
40 05 23 23-0702 LF 18" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	636.22 47.78	74.32
40 05 23 23-0703 LF 20" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	898.71 57.33	89.18
40 05 23 23-0704 LF 24" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	1,177.36 71.67	111.49
<b>40 05 23 23-0705 Type 316, Schedule 10 Stainless Steel Butt Weld 90 Degree Elbows</b> <small>(40 05 23 23-0685)</small>		
40 05 23 23-0706 EA 1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	122.14 35.00	52.51
40 05 23 23-0707 EA 3/4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	129.32 37.16	55.73
40 05 23 23-0708 EA 1", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	142.57 40.83	61.24
40 05 23 23-0709 EA 1-1/4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	156.11 44.50	66.75
40 05 23 23-0710 EA 1-1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	171.52 49.15	73.72
40 05 23 23-0711 EA 2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	191.69 54.68	82.02
40 05 23 23-0712 EA 2-1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	249.66 69.98	104.96
40 05 23 23-0713 EA 3", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	293.76 82.01	123.02
40 05 23 23-0714 EA 4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	360.03 98.17	147.24
40 05 23 23-0715 EA 6", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	496.24 122.63	183.94
40 05 23 23-0716 EA 8", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	843.60 204.77	307.15
40 05 23 23-0717 EA 10", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,261.40 273.02	409.52
40 05 23 23-0718 EA 12", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,891.99 409.53	614.29
40 05 23 23-0719 EA 14", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,207.56 477.78	716.67
40 05 23 23-0720 EA 16", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,628.32 545.00	817.50
40 05 23 23-0721 EA 18", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	3,308.38 682.55	1,023.83
40 05 23 23-0722 EA 20", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	4,621.01 955.57	1,433.35
40 05 23 23-0723 EA 24", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	6,644.98 1,365.09	2,047.64
<b>40 05 23 23-0724 Type 316, Schedule 10 Stainless Steel Butt Weld 45 Degree Elbows</b> <small>(40 05 23 23-0685)</small>		
40 05 23 23-0725 EA 1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	123.63 35.00	52.51
40 05 23 23-0726 EA 3/4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	130.81 37.16	55.73
40 05 23 23-0727 EA 1", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	144.06 40.83	61.24
40 05 23 23-0728 EA 1-1/4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	158.10 44.50	66.75
40 05 23 23-0729 EA 1-1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	171.52 49.15	73.72
40 05 23 23-0730 EA 2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	191.69 54.68	82.02
40 05 23 23-0731 EA 2-1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	248.17 69.98	104.96
40 05 23 23-0732 EA 3", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	291.52 82.01	123.02
40 05 23 23-0733 EA 4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	354.81 98.17	147.24
40 05 23 23-0734 EA 6", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	465.42 122.63	183.94
40 05 23 23-0735 EA 8", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	788.30 204.77	307.15
40 05 23 23-0736 EA 10", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,239.14 273.02	409.52
40 05 23 23-0737 EA 12", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,818.17 409.53	614.29
40 05 23 23-0738 EA 14", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,138.39 477.78	716.67
40 05 23 23-0739 EA 16", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,501.51 545.00	817.50

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0740	EA		18", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	3,159.04 682.55	1,023.83
40 05 23 23-0741	EA		20", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	4,486.83 955.57	1,433.35
40 05 23 23-0742	EA		24", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	6,466.26 1,365.09	2,047.64
<b>40 05 23 23-0743</b>			<b>Type 316, Schedule 10 Stainless Steel Butt Weld Tees (40 05 23 23-0685)</b>		
40 05 23 23-0744	EA		1/2", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	165.20 44.49	66.73
40 05 23 23-0745	EA		3/4", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	198.95 54.62	81.92
40 05 23 23-0746	EA		1", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	221.44 61.36	92.05
40 05 23 23-0747	EA		1-1/4", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	254.41 69.98	104.96
40 05 23 23-0748	EA		1-1/2", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	268.77 75.11	112.67
40 05 23 23-0749	EA		2", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	291.97 81.92	122.89
40 05 23 23-0750	EA		2-1/2", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	355.06 98.17	147.24
40 05 23 23-0751	EA		3", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	445.11 123.02	184.53
40 05 23 23-0752	EA		4", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	511.67 138.07	207.10
40 05 23 23-0753	EA		6", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	752.80 184.09	276.13
40 05 23 23-0754	EA		8", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	1,246.91 273.02	409.52
40 05 23 23-0755	EA		10", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	1,942.98 409.53	614.29
40 05 23 23-0756	EA		12", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	2,498.70 511.91	767.86
40 05 23 23-0757	EA		14", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	3,201.71 615.17	922.75
40 05 23 23-0758	EA		16", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	3,783.89 750.44	1,125.67
40 05 23 23-0759	EA		18", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	4,809.63 955.57	1,433.35
40 05 23 23-0760	EA		20", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	6,482.14 1,257.32	1,885.99
40 05 23 23-0761	EA		24", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	9,288.75 1,911.13	2,866.70
<b>40 05 23 23-0762</b>			<b>Type 316, Schedule 10 Stainless Steel Butt Weld Reducing Tees (40 05 23 23-0685)</b>		
40 05 23 23-0763	EA		3/4", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	155.96 37.17	55.75
40 05 23 23-0764	EA		1", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	185.37 45.55	68.32
40 05 23 23-0765	EA		1-1/4", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	226.26 51.18	76.76
40 05 23 23-0766	EA		1-1/2", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	232.74 58.34	87.51
40 05 23 23-0767	EA		2", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	247.25 62.69	94.03
40 05 23 23-0768	EA		2-1/2", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	334.86 68.32	102.47
40 05 23 23-0769	EA		3", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	327.89 81.89	122.84
40 05 23 23-0770	EA		4", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	440.58 102.35	153.53
40 05 23 23-0771	EA		6", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	619.22 116.95	175.42
40 05 23 23-0772	EA		8", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	1,187.75 170.64	255.96
40 05 23 23-0773	EA		10", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	2,161.65 227.52	341.28
40 05 23 23-0774	EA		12", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	2,837.97 341.27	511.90
40 05 23 23-0775	EA		14", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	3,232.40 410.00	615.00
40 05 23 23-0776	EA		16", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	4,003.69 500.12	750.18
40 05 23 23-0777	EA		18", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	5,170.55 637.04	955.57
40 05 23 23-0778	EA		20", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	7,357.11 838.22	1,257.32
40 05 23 23-0779	EA		24", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	11,510.69 1,272.96	1,909.43
<b>40 05 23 23-0780</b>			<b>Type 316, Schedule 10 Stainless Steel Butt Weld Reducers (40 05 23 23-0685)</b>		
40 05 23 23-0781	EA		3/4", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	123.36 33.80	50.71

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0782 EA 1", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	135.95 36.83	55.25
40 05 23 23-0783 EA 1-1/4", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	151.65 40.83	61.24
40 05 23 23-0784 EA 1-1/2", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	159.28 44.50	66.75
40 05 23 23-0785 EA 2", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	173.51 49.15	73.72
40 05 23 23-0786 EA 2-1/2", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	228.03 61.41	92.12
40 05 23 23-0787 EA 3", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	265.11 69.92	104.87
40 05 23 23-0788 EA 4", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	292.00 81.92	122.89
40 05 23 23-0789 EA 6", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	402.58 104.30	156.45
40 05 23 23-0790 EA 8", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	627.44 163.82	245.72
40 05 23 23-0791 EA 10", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	810.33 204.77	307.15
40 05 23 23-0792 EA 12", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,084.00 273.02	409.52
40 05 23 23-0793 EA 14", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,531.51 358.34	537.50
40 05 23 23-0794 EA 16", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,775.89 408.36	612.54
40 05 23 23-0795 EA 18", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	2,200.82 511.91	767.86
40 05 23 23-0796 EA 20", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	3,084.81 682.55	1,023.83
40 05 23 23-0797 EA 24", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	4,498.35 1,023.82	1,535.73
40 05 23 23-0798 EA 3/4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	142.67 33.80	50.71
40 05 23 23-0799 EA 1", Type 316, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	158.89 36.83	55.25
40 05 23 23-0800 EA 1-1/4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	178.86 40.83	61.24
40 05 23 23-0801 EA 1-1/2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	191.09 44.50	66.75
40 05 23 23-0802 EA 2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	193.15 49.15	73.72
40 05 23 23-0803 EA 2-1/2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	255.16 61.41	92.12
40 05 23 23-0804 EA 3", Type 316, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	292.95 69.92	104.87
40 05 23 23-0805 EA 4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	329.74 81.92	122.89
40 05 23 23-0806 EA 6", Type 316, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	467.45 104.30	156.45
40 05 23 23-0807 EA 8", Type 316, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	768.02 163.82	245.72
40 05 23 23-0808 EA 10", Type 316, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,052.42 204.77	307.15
40 05 23 23-0809 EA 12", Type 316, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,335.22 273.02	409.52
40 05 23 23-0810 EA 14", Type 316, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	2,007.92 358.34	537.50
40 05 23 23-0811 EA 16", Type 316, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	2,351.69 408.36	612.54
40 05 23 23-0812 EA 18", Type 316, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	2,916.22 511.91	767.86
40 05 23 23-0813 EA 20", Type 316, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	4,228.95 682.55	1,023.83
40 05 23 23-0814 EA 24", Type 316, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	5,857.10 1,023.82	1,535.73
<b>40 05 23 23-0815 Type 316, Schedule 10 Stainless Steel Butt Weld Caps</b> <small>(40 05 23 23-0885)</small>		
40 05 23 23-0816 EA 1/2", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	69.28 17.50	26.25
40 05 23 23-0817 EA 3/4", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	76.59 18.58	27.86
40 05 23 23-0818 EA 1", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	83.97 20.42	30.62
40 05 23 23-0819 EA 1-1/4", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	91.79 22.25	33.38
40 05 23 23-0820 EA 1-1/2", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	99.31 24.57	36.85
40 05 23 23-0821 EA 2", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	104.79 27.34	41.00
40 05 23 23-0822 EA 2-1/2", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	131.09 34.99	52.49
40 05 23 23-0823 EA 3", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	155.08 41.01	61.51
40 05 23 23-0824 EA 4", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	185.73 49.08	73.63
40 05 23 23-0825 EA 6", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	241.49 61.41	92.12

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0826	EA	8", Type 316, Schedule 10 Stainless Steel Cap	.....	407.31	153.57
		<i>For Work In Restricted Working Space, Add</i>		102.38	
40 05 23 23-0827	EA	10", Type 316, Schedule 10 Stainless Steel Cap	.....	540.52	204.77
		<i>For Work In Restricted Working Space, Add</i>		136.51	
40 05 23 23-0828	EA	12", Type 316, Schedule 10 Stainless Steel Cap	.....	797.12	307.14
		<i>For Work In Restricted Working Space, Add</i>		204.77	
40 05 23 23-0829	EA	14", Type 316, Schedule 10 Stainless Steel Cap	.....	927.31	358.34
		<i>For Work In Restricted Working Space, Add</i>		238.89	
40 05 23 23-0830	EA	16", Type 316, Schedule 10 Stainless Steel Cap	.....	1,065.63	408.74
		<i>For Work In Restricted Working Space, Add</i>		272.50	
40 05 23 23-0831	EA	18", Type 316, Schedule 10 Stainless Steel Cap	.....	1,342.48	511.90
		<i>For Work In Restricted Working Space, Add</i>		341.27	
40 05 23 23-0832	EA	20", Type 316, Schedule 10 Stainless Steel Cap	.....	1,861.35	716.67
		<i>For Work In Restricted Working Space, Add</i>		477.78	
40 05 23 23-0833	EA	24", Type 316, Schedule 10 Stainless Steel Cap	.....	2,802.02	1,023.82
		<i>For Work In Restricted Working Space, Add</i>		682.55	
<b>40 05 23 23-0834</b>		<b>Type 316, Schedule 40 Stainless Steel Pipe And Butt Weld Fittings</b> (40 05 23 23-0231)			
<b>40 05 23 23-0835</b>		<b>Type 316, Schedule 40 Stainless Steel Pipe</b> (40 05 23 23-0834)			
40 05 23 23-0836	LF	1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	.....	26.07	4.61
		<i>For Work In Restricted Working Space, Add</i>		2.77	
40 05 23 23-0837	LF	3/4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	.....	31.62	5.63
		<i>For Work In Restricted Working Space, Add</i>		3.38	
40 05 23 23-0838	LF	1" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	.....	39.07	6.65
		<i>For Work In Restricted Working Space, Add</i>		3.96	
40 05 23 23-0839	LF	1-1/4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	.....	48.83	8.18
		<i>For Work In Restricted Working Space, Add</i>		4.95	
40 05 23 23-0840	LF	1-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	.....	56.47	9.22
		<i>For Work In Restricted Working Space, Add</i>		5.58	
40 05 23 23-0841	LF	2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	.....	72.78	11.77
		<i>For Work In Restricted Working Space, Add</i>		6.92	
40 05 23 23-0842	LF	2-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	.....	91.53	13.30
		<i>For Work In Restricted Working Space, Add</i>		7.90	
40 05 23 23-0843	LF	3" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	.....	87.06	14.85
		<i>For Work In Restricted Working Space, Add</i>		8.90	
40 05 23 23-0844	LF	4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	.....	151.19	17.40
		<i>For Work In Restricted Working Space, Add</i>		10.53	
40 05 23 23-0845	LF	6" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	.....	240.02	23.03
		<i>For Work In Restricted Working Space, Add</i>		13.83	
40 05 23 23-0846	LF	8" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	.....	419.31	40.34
		<i>For Work In Restricted Working Space, Add</i>		26.06	
40 05 23 23-0847	LF	10" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	.....	538.80	44.60
		<i>For Work In Restricted Working Space, Add</i>		28.67	
40 05 23 23-0848	LF	12" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	.....	678.70	49.38
		<i>For Work In Restricted Working Space, Add</i>		31.85	
<b>40 05 23 23-0849</b>		<b>Type 316, Schedule 40 Stainless Steel Butt Weld 90 Degree Elbows</b> (40 05 23 23-0834)			
40 05 23 23-0850	EA	1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	.....	123.38	52.51
		<i>For Work In Restricted Working Space, Add</i>		35.00	
40 05 23 23-0851	EA	3/4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	.....	130.56	55.73
		<i>For Work In Restricted Working Space, Add</i>		37.16	
40 05 23 23-0852	EA	1", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	.....	143.81	61.24
		<i>For Work In Restricted Working Space, Add</i>		40.83	
40 05 23 23-0853	EA	1-1/4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	.....	156.65	66.75
		<i>For Work In Restricted Working Space, Add</i>		44.50	
40 05 23 23-0854	EA	1-1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	.....	172.77	73.72
		<i>For Work In Restricted Working Space, Add</i>		49.15	
40 05 23 23-0855	EA	2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	.....	194.68	82.02
		<i>For Work In Restricted Working Space, Add</i>		54.68	
40 05 23 23-0856	EA	2-1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	.....	258.86	104.96
		<i>For Work In Restricted Working Space, Add</i>		69.98	
40 05 23 23-0857	EA	3", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	.....	306.68	123.02
		<i>For Work In Restricted Working Space, Add</i>		82.01	
40 05 23 23-0858	EA	4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	.....	388.36	147.24
		<i>For Work In Restricted Working Space, Add</i>		98.17	
40 05 23 23-0859	EA	6", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	.....	595.65	183.94
		<i>For Work In Restricted Working Space, Add</i>		122.63	
40 05 23 23-0860	EA	8", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	.....	1,033.89	307.15
		<i>For Work In Restricted Working Space, Add</i>		204.77	
40 05 23 23-0861	EA	10", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	.....	1,677.44	409.52
		<i>For Work In Restricted Working Space, Add</i>		273.02	
40 05 23 23-0862	EA	12", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	.....	2,395.26	614.29
		<i>For Work In Restricted Working Space, Add</i>		409.53	
40 05 23 23-0863	EA	14", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	.....	2,682.58	716.67
		<i>For Work In Restricted Working Space, Add</i>		477.78	
40 05 23 23-0864	EA	16", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	.....	3,248.48	817.50
		<i>For Work In Restricted Working Space, Add</i>		545.00	
40 05 23 23-0865	EA	18", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	.....	4,144.76	1,023.83
		<i>For Work In Restricted Working Space, Add</i>		682.55	
40 05 23 23-0866	EA	20", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	.....	5,604.75	1,433.35
		<i>For Work In Restricted Working Space, Add</i>		955.57	
40 05 23 23-0867	EA	24", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	.....	8,129.89	2,047.64
		<i>For Work In Restricted Working Space, Add</i>		1,365.09	

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>40 05 23 23-0868</b>	<b>Type 316, Schedule 40 Stainless Steel Butt Weld 45 Degree Elbows <small>(40 05 23 23-0834)</small></b>		
40 05 23 23-0869	EA 1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	125.87 35.00	52.51
40 05 23 23-0870	EA 3/4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	133.05 37.16	55.73
40 05 23 23-0871	EA 1", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	145.31 40.83	61.24
40 05 23 23-0872	EA 1-1/4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	157.38 44.50	66.75
40 05 23 23-0873	EA 1-1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	174.26 49.15	73.72
40 05 23 23-0874	EA 2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	194.68 54.68	82.02
40 05 23 23-0875	EA 2-1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	258.86 69.98	104.96
40 05 23 23-0876	EA 3", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	296.99 82.01	123.02
40 05 23 23-0877	EA 4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	369.97 98.17	147.24
40 05 23 23-0878	EA 6", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	520.10 122.63	183.94
40 05 23 23-0879	EA 8", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	900.77 204.77	307.15
40 05 23 23-0880	EA 10", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,370.66 273.02	409.52
40 05 23 23-0881	EA 12", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,984.58 409.53	614.29
40 05 23 23-0882	EA 14", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,257.54 477.78	716.67
40 05 23 23-0883	EA 16", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,551.15 545.00	817.50
40 05 23 23-0884	EA 18", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	3,276.64 682.55	1,023.83
40 05 23 23-0885	EA 20", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	4,459.60 955.57	1,433.35
40 05 23 23-0886	EA 24", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	6,600.58 1,365.09	2,047.64
<b>40 05 23 23-0887</b>	<b>Type 316, Schedule 40 Stainless Steel Butt Weld Tees <small>(40 05 23 23-0834)</small></b>		
40 05 23 23-0888	EA 1/2", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	166.69 44.49	66.73
40 05 23 23-0889	EA 3/4", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	200.44 54.62	81.92
40 05 23 23-0890	EA 1", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	222.93 61.36	92.05
40 05 23 23-0891	EA 1-1/4", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	256.58 69.98	104.96
40 05 23 23-0892	EA 1-1/2", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	268.77 75.11	112.67
40 05 23 23-0893	EA 2", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	292.96 81.92	122.89
40 05 23 23-0894	EA 2-1/2", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	363.91 98.17	147.24
40 05 23 23-0895	EA 3", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	449.83 123.02	184.53
40 05 23 23-0896	EA 4", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	519.87 138.07	207.10
40 05 23 23-0897	EA 6", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	811.20 184.09	276.13
40 05 23 23-0898	EA 8", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	1,396.96 273.02	409.52
40 05 23 23-0899	EA 10", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	2,339.16 409.53	614.29
40 05 23 23-0900	EA 12", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	2,878.52 511.91	767.86
40 05 23 23-0901	EA 14", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	4,095.17 615.17	922.75
40 05 23 23-0902	EA 16", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	5,071.40 750.44	1,125.67
40 05 23 23-0903	EA 18", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	6,564.72 955.57	1,433.35
40 05 23 23-0904	EA 20", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	8,532.65 1,257.32	1,885.99
40 05 23 23-0905	EA 24", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	12,250.26 1,911.13	2,866.70
<b>40 05 23 23-0906</b>	<b>Type 316, Schedule 40 Stainless Steel Butt Weld Reducing Tees <small>(40 05 23 23-0834)</small></b>		
40 05 23 23-0907	EA 3/4", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	160.68 37.17	55.75
40 05 23 23-0908	EA 1", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	188.60 45.55	68.32
40 05 23 23-0909	EA 1-1/4", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	246.14 51.18	76.76
40 05 23 23-0910	EA 1-1/2", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	240.45 58.34	87.51

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

40 05 23 23-0911	EA	2", Type 316, Schedule 40 Stainless Steel Reducing Tee	247.25	94.03
		<i>For Work In Restricted Working Space, Add</i>	62.69	
40 05 23 23-0912	EA	2-1/2", Type 316, Schedule 40 Stainless Steel Reducing Tee	336.35	102.47
		<i>For Work In Restricted Working Space, Add</i>	68.32	
40 05 23 23-0913	EA	3", Type 316, Schedule 40 Stainless Steel Reducing Tee	338.58	122.84
		<i>For Work In Restricted Working Space, Add</i>	81.89	
40 05 23 23-0914	EA	4", Type 316, Schedule 40 Stainless Steel Reducing Tee	451.27	153.53
		<i>For Work In Restricted Working Space, Add</i>	102.35	
40 05 23 23-0915	EA	6", Type 316, Schedule 40 Stainless Steel Reducing Tee	625.93	175.42
		<i>For Work In Restricted Working Space, Add</i>	116.95	
40 05 23 23-0916	EA	8", Type 316, Schedule 40 Stainless Steel Reducing Tee	1,055.69	255.96
		<i>For Work In Restricted Working Space, Add</i>	170.64	
40 05 23 23-0917	EA	10", Type 316, Schedule 40 Stainless Steel Reducing Tee	2,194.67	341.28
		<i>For Work In Restricted Working Space, Add</i>	227.52	
40 05 23 23-0918	EA	12", Type 316, Schedule 40 Stainless Steel Reducing Tee	2,904.00	511.90
		<i>For Work In Restricted Working Space, Add</i>	341.27	
40 05 23 23-0919	EA	14", Type 316, Schedule 40 Stainless Steel Reducing Tee	3,304.85	615.00
		<i>For Work In Restricted Working Space, Add</i>	410.00	
40 05 23 23-0920	EA	16", Type 316, Schedule 40 Stainless Steel Reducing Tee	4,094.43	750.18
		<i>For Work In Restricted Working Space, Add</i>	500.12	
40 05 23 23-0921	EA	18", Type 316, Schedule 40 Stainless Steel Reducing Tee	5,288.87	955.57
		<i>For Work In Restricted Working Space, Add</i>	637.04	
40 05 23 23-0922	EA	20", Type 316, Schedule 40 Stainless Steel Reducing Tee	7,534.31	1,257.32
		<i>For Work In Restricted Working Space, Add</i>	838.22	
40 05 23 23-0923	EA	24", Type 316, Schedule 40 Stainless Steel Reducing Tee	11,792.91	1,909.43
		<i>For Work In Restricted Working Space, Add</i>	1,272.96	

**40 05 23 23-0924 Type 316, Schedule 40 Stainless Steel Butt Weld Reducers (40 05 23 23-0834)**

40 05 23 23-0925	EA	3/4", Type 316, Schedule 40 Stainless Steel Concentric Reducer	127.33	50.71
		<i>For Work In Restricted Working Space, Add</i>	33.80	
40 05 23 23-0926	EA	1", Type 316, Schedule 40 Stainless Steel Concentric Reducer	139.93	55.25
		<i>For Work In Restricted Working Space, Add</i>	36.83	
40 05 23 23-0927	EA	1-1/4", Type 316, Schedule 40 Stainless Steel Concentric Reducer	153.46	61.24
		<i>For Work In Restricted Working Space, Add</i>	40.83	
40 05 23 23-0928	EA	1-1/2", Type 316, Schedule 40 Stainless Steel Concentric Reducer	163.75	66.75
		<i>For Work In Restricted Working Space, Add</i>	44.50	
40 05 23 23-0929	EA	2", Type 316, Schedule 40 Stainless Steel Concentric Reducer	176.25	73.72
		<i>For Work In Restricted Working Space, Add</i>	49.15	
40 05 23 23-0930	EA	2-1/2", Type 316, Schedule 40 Stainless Steel Concentric Reducer	236.77	92.12
		<i>For Work In Restricted Working Space, Add</i>	61.41	
40 05 23 23-0931	EA	3", Type 316, Schedule 40 Stainless Steel Concentric Reducer	255.42	104.87
		<i>For Work In Restricted Working Space, Add</i>	69.92	
40 05 23 23-0932	EA	4", Type 316, Schedule 40 Stainless Steel Concentric Reducer	295.45	122.89
		<i>For Work In Restricted Working Space, Add</i>	81.92	
40 05 23 23-0933	EA	6", Type 316, Schedule 40 Stainless Steel Concentric Reducer	404.32	156.45
		<i>For Work In Restricted Working Space, Add</i>	104.30	
40 05 23 23-0934	EA	8", Type 316, Schedule 40 Stainless Steel Concentric Reducer	679.45	245.72
		<i>For Work In Restricted Working Space, Add</i>	163.82	
40 05 23 23-0935	EA	10", Type 316, Schedule 40 Stainless Steel Concentric Reducer	908.29	307.15
		<i>For Work In Restricted Working Space, Add</i>	204.77	
40 05 23 23-0936	EA	12", Type 316, Schedule 40 Stainless Steel Concentric Reducer	1,154.32	409.52
		<i>For Work In Restricted Working Space, Add</i>	273.02	
40 05 23 23-0937	EA	14", Type 316, Schedule 40 Stainless Steel Concentric Reducer	1,665.46	537.50
		<i>For Work In Restricted Working Space, Add</i>	358.34	
40 05 23 23-0938	EA	16", Type 316, Schedule 40 Stainless Steel Concentric Reducer	1,918.45	612.54
		<i>For Work In Restricted Working Space, Add</i>	408.36	
40 05 23 23-0939	EA	18", Type 316, Schedule 40 Stainless Steel Concentric Reducer	2,556.91	767.86
		<i>For Work In Restricted Working Space, Add</i>	511.91	
40 05 23 23-0940	EA	20", Type 316, Schedule 40 Stainless Steel Concentric Reducer	3,465.71	1,023.83
		<i>For Work In Restricted Working Space, Add</i>	682.55	
40 05 23 23-0941	EA	24", Type 316, Schedule 40 Stainless Steel Concentric Reducer	4,979.30	1,535.73
		<i>For Work In Restricted Working Space, Add</i>	1,023.82	
40 05 23 23-0942	EA	3/4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	155.42	50.71
		<i>For Work In Restricted Working Space, Add</i>	33.80	
40 05 23 23-0943	EA	1", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	165.53	55.25
		<i>For Work In Restricted Working Space, Add</i>	36.83	
40 05 23 23-0944	EA	1-1/4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	191.78	61.24
		<i>For Work In Restricted Working Space, Add</i>	40.83	
40 05 23 23-0945	EA	1-1/2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	198.79	66.75
		<i>For Work In Restricted Working Space, Add</i>	44.50	
40 05 23 23-0946	EA	2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	213.53	73.72
		<i>For Work In Restricted Working Space, Add</i>	49.15	
40 05 23 23-0947	EA	2-1/2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	255.16	92.12
		<i>For Work In Restricted Working Space, Add</i>	61.41	
40 05 23 23-0948	EA	3", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	327.24	104.87
		<i>For Work In Restricted Working Space, Add</i>	69.92	
40 05 23 23-0949	EA	4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	357.08	122.89
		<i>For Work In Restricted Working Space, Add</i>	81.92	
40 05 23 23-0950	EA	6", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	505.48	156.45
		<i>For Work In Restricted Working Space, Add</i>	104.30	
40 05 23 23-0951	EA	8", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	755.14	245.72
		<i>For Work In Restricted Working Space, Add</i>	163.82	
40 05 23 23-0952	EA	10", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	1,074.70	307.15
		<i>For Work In Restricted Working Space, Add</i>	204.77	
40 05 23 23-0953	EA	12", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	1,487.15	409.52
		<i>For Work In Restricted Working Space, Add</i>	273.02	
40 05 23 23-0954	EA	14", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	2,224.65	537.50
		<i>For Work In Restricted Working Space, Add</i>	358.34	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0955 EA 16", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,562.19 408.36	612.54
40 05 23 23-0956 EA 18", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	3,436.91 511.91	767.86
40 05 23 23-0957 EA 20", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	4,423.14 682.55	1,023.83
40 05 23 23-0958 EA 24", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	6,631.13 1,023.82	1,535.73
<b>40 05 23 23-0959 Type 316, Schedule 40 Stainless Steel Butt Weld Caps (40 05 23 23-0834)</b>		
40 05 23 23-0960 EA 1/2", Type 316, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	69.77 17.50	26.25
40 05 23 23-0961 EA 3/4", Type 316, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	76.34 18.58	27.86
40 05 23 23-0962 EA 1", Type 316, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	84.46 20.42	30.62
40 05 23 23-0963 EA 1-1/4", Type 316, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	96.40 22.25	33.38
40 05 23 23-0964 EA 1-1/2", Type 316, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	95.58 24.57	36.85
40 05 23 23-0965 EA 2", Type 316, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	108.27 27.34	41.00
40 05 23 23-0966 EA 2-1/2", Type 316, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	135.61 34.99	52.49
40 05 23 23-0967 EA 3", Type 316, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	155.83 41.01	61.51
40 05 23 23-0968 EA 4", Type 316, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	191.20 49.08	73.63
40 05 23 23-0969 EA 6", Type 316, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	264.36 61.41	92.12
40 05 23 23-0970 EA 8", Type 316, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	450.26 102.38	153.57
40 05 23 23-0971 EA 10", Type 316, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	603.73 136.51	204.77
40 05 23 23-0972 EA 12", Type 316, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	900.49 204.77	307.14
40 05 23 23-0973 EA 14", Type 316, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	1,027.49 238.89	358.34
40 05 23 23-0974 EA 16", Type 316, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	1,155.37 272.50	408.74
40 05 23 23-0975 EA 18", Type 316, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	1,473.87 341.27	511.90
40 05 23 23-0976 EA 20", Type 316, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	2,026.75 477.78	716.67
40 05 23 23-0977 EA 24", Type 316, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	3,124.13 682.55	1,023.82
<b>40 05 23 23-0978 Valves (40 05 23 23-0231)</b>		
<b>40 05 23 23-0979 Gate Valves, Class 150 (40 05 23 23-0978)</b>		
40 05 23 23-0980 EA 1/2" Gate Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	518.02 19.74 -120.97 425.09	52.64
40 05 23 23-0981 EA 3/4" Gate Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	563.55 23.03 -130.21 457.57	54.84
40 05 23 23-0982 EA 1" Gate Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	695.73 31.04 -158.43 556.73	82.25
40 05 23 23-0983 EA 1-1/4" Gate Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	875.69 35.76 -202.36 711.09	95.96
40 05 23 23-0984 EA 1-1/2" Gate Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	989.57 45.30 -224.32 788.27	120.79
40 05 23 23-0985 EA 2" Gate Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	1,175.18 54.84 -265.46 932.85	146.19
40 05 23 23-0986 EA 2-1/2" Gate Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	1,679.97 59.82 1,391.74	159.03
40 05 23 23-0987 EA 3" Gate Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	1,893.32 70.00 1,560.38	186.45
40 05 23 23-0988 EA 4" Gate Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	2,515.20 117.51 1,996.10	312.56
40 05 23 23-0989 EA 6" Gate Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	4,186.46 148.59 3,469.70	394.82

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0990	EA		8" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	9,073.54 188.01 7,940.04	504.49
40 05 23 23-0991	EA		10" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	12,772.37 230.31 11,284.39	614.16
40 05 23 23-0992	EA		12" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	19,200.20 279.17 17,173.47	745.76
<b>40 05 23 23-0993</b>			<b>Globe Valves, Class 150</b> (40 05 23 23-0978)		
40 05 23 23-0994	EA		1/2" Globe Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	704.62 19.74 -170.88 600.49	52.64
40 05 23 23-0995	EA		3/4" Globe Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	780.40 23.03 -188.22 661.41	54.84
40 05 23 23-0996	EA		1" Globe Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	973.73 31.04 -232.80 818.05	82.25
40 05 23 23-0997	EA		1-1/2" Globe Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	1,447.15 45.30 -346.72 1,218.39	120.79
40 05 23 23-0998	EA		2" Globe Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	1,765.96 54.84 -423.50 1,488.18	146.19
40 05 23 23-0999	EA		2-1/2" Globe Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	3,532.40 59.82 3,133.02	159.03
40 05 23 23-1000	EA		3" Globe Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	3,658.92 70.00 3,220.05	186.45
40 05 23 23-1001	EA		4" Globe Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	4,372.76 117.51 3,742.21	312.56
40 05 23 23-1002	EA		6" Globe Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	8,040.81 148.59 7,092.79	394.82
<b>40 05 23 23-1003</b>			<b>Check Valves, Class 150</b> (40 05 23 23-0978)		
40 05 23 23-1004	EA		2-1/2" Check Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	1,608.92 59.82 1,324.95	159.03
40 05 23 23-1005	EA		3" Check Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	1,686.81 70.00 1,366.26	186.45
40 05 23 23-1006	EA		4" Check Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	2,653.72 117.51 2,126.31	312.56
40 05 23 23-1007	EA		6" Check Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	4,538.07 148.59 3,800.21	394.82
40 05 23 23-1008	EA		8" Check Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	7,942.20 188.01 6,876.58	504.49
<b>40 05 23 23-1009</b>			<b>Stainless Steel Thread-O-Let Fittings</b> (40 05 23 23-0231)		
40 05 23 23-1010	EA		1/2", Stainless Steel Thread-o-let Fitting <i>For Work In Restricted Working Space, Add</i>	82.76 21.23	31.83
40 05 23 23-1011	EA		3/4", Stainless Steel Thread-o-let Fitting <i>For Work In Restricted Working Space, Add</i>	109.35 28.30	42.45
40 05 23 23-1012	EA		1", Stainless Steel Thread-o-let Fitting <i>For Work In Restricted Working Space, Add</i>	134.84 35.09	52.64
40 05 23 23-1013	EA		1-1/4", Stainless Steel Thread-o-let Fitting <i>For Work In Restricted Working Space, Add</i>	193.26 49.66	74.49
40 05 23 23-1014	EA		1-1/2", Stainless Steel Thread-o-let Fitting <i>For Work In Restricted Working Space, Add</i>	214.39 56.00	84.01
40 05 23 23-1015	EA		2", Stainless Steel Thread-o-let Fitting <i>For Work In Restricted Working Space, Add</i>	268.69 71.14	106.71
40 05 23 23-1016	EA		2-1/2", Stainless Steel Thread-o-let Fitting <i>For Work In Restricted Working Space, Add</i>	471.45 109.67	164.51
40 05 23 23-1017	EA		3", Stainless Steel Thread-o-let Fitting <i>For Work In Restricted Working Space, Add</i>	628.10 140.01	210.01
40 05 23 23-1018	EA		4", Stainless Steel Thread-o-let Fitting <i>For Work In Restricted Working Space, Add</i>	823.66 175.47	263.21
40 05 23 23-1019			<b>Stainless Steel Flanges</b> (40 05 23 23-0231)		
40 05 23 23-1020			<b>150#, Type 304 Stainless Steel Raised Face Threaded Flange</b> (40 05 23 23-1019)		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1021 EA 1/2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	69.77 10.61	17.69
40 05 23 23-1022 EA 3/4", 150#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	85.38 14.15	23.59
40 05 23 23-1023 EA 1", 150#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	101.30 17.55	29.25
40 05 23 23-1024 EA 1-1/4", 150#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	137.04 24.83	41.39
40 05 23 23-1025 EA 1-1/2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	147.61 28.00	46.67
40 05 23 23-1026 EA 2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	189.67 35.57	59.27
40 05 23 23-1027 EA 2-1/2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	282.14 54.84	91.36
40 05 23 23-1028 EA 3", 150#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	337.28 70.00	186.45
40 05 23 23-1029 EA 4", 150#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	434.62 87.74	146.19
<b>40 05 23 23-1030 300#, Type 304 Stainless Steel Raised Face Threaded Flange</b> (40 05 23 23-1019)		
40 05 23 23-1031 EA 1/2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	89.65 10.61	17.69
40 05 23 23-1032 EA 3/4", 300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	101.44 14.15	23.59
40 05 23 23-1033 EA 1", 300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	112.76 17.55	29.25
40 05 23 23-1034 EA 1-1/4", 300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	166.10 24.83	41.39
40 05 23 23-1035 EA 1-1/2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	176.67 28.00	46.67
40 05 23 23-1036 EA 2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	219.46 35.57	59.27
40 05 23 23-1037 EA 2-1/2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	348.65 54.84	91.36
40 05 23 23-1038 EA 3", 300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	405.29 70.00	186.45
40 05 23 23-1039 EA 4", 300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	539.33 87.74	146.19
<b>40 05 23 23-1040 150#, Type 304 Stainless Steel Raised Face Weld Neck Flange</b> (40 05 23 23-1019)		
40 05 23 23-1041 EA 1/2", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	92.73 17.50	26.24
40 05 23 23-1042 EA 3/4", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	100.14 18.58	27.86
40 05 23 23-1043 EA 1", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	112.38 20.42	30.62
40 05 23 23-1044 EA 1-1/4", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	137.69 22.27	33.40
40 05 23 23-1045 EA 1-1/2", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	145.27 24.55	36.81
40 05 23 23-1046 EA 2", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	161.48 27.35	41.01
40 05 23 23-1047 EA 2-1/2", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	222.81 34.97	52.45
40 05 23 23-1048 EA 3", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	252.64 40.94	61.40
40 05 23 23-1049 EA 4", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	325.53 49.05	73.58
40 05 23 23-1050 EA 6", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	484.01 61.29	91.93
40 05 23 23-1051 EA 8", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	815.11 102.38	153.57
40 05 23 23-1052 EA 10", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	1,154.31 136.51	204.76
40 05 23 23-1053 EA 12", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	1,773.87 204.77	307.14
40 05 23 23-1054 EA 14", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	2,214.48 238.89	358.34
40 05 23 23-1055 EA 16", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	2,758.96 272.50	408.74
40 05 23 23-1056 EA 18", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	3,385.69 341.27	511.90
40 05 23 23-1057 EA 20", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	4,393.42 477.78	716.67
40 05 23 23-1058 EA 24", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	6,244.15 682.55	1,023.82
<b>40 05 23 23-1059 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange</b> (40 05 23 23-1019)		
40 05 23 23-1060 EA 1/2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	116.43 17.50	26.24
40 05 23 23-1061 EA 3/4" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	120.02 18.58	27.86
40 05 23 23-1062 EA 1" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	126.16 20.42	30.62

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

40 05 23 23-1063	EA 1-1/4" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	164.40 22.27	33.40
40 05 23 23-1064	EA 1-1/2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	171.98 24.55	36.81
40 05 23 23-1065	EA 2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	184.40 27.35	41.01
40 05 23 23-1066	EA 2-1/2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	262.53 34.97	52.45
40 05 23 23-1067	EA 3" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	296.95 40.94	61.40
40 05 23 23-1068	EA 4" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	429.44 49.05	73.58
40 05 23 23-1069	EA 6" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	601.69 61.29	91.93
40 05 23 23-1070	EA 8" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	1,108.57 102.38	153.57
40 05 23 23-1071	EA 10" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	1,541.79 136.51	204.76
40 05 23 23-1072	EA 12" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	2,266.07 204.77	307.14
40 05 23 23-1073	EA 14" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	2,992.55 238.89	358.34
40 05 23 23-1074	EA 16" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	3,689.43 272.50	408.74
40 05 23 23-1075	EA 18" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	4,710.66 341.27	511.90
40 05 23 23-1076	EA 20" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	6,088.66 477.78	716.67
40 05 23 23-1077	EA 24" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	8,862.35 682.55	1,023.82

**40 05 23 23-1078 150#, Type 304 Stainless Steel Raised Face Slip-On Flanges (40 05 23 23-1019)**

40 05 23 23-1079	EA 1/2", 150#, Type 304 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	147.24 35.00	52.50
40 05 23 23-1080	EA 3/4", 150#, Type 304 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	155.19 37.16	55.72
40 05 23 23-1081	EA 1", 150#, Type 304 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	170.51 40.84	61.24
40 05 23 23-1082	EA 1-1/4", 150#, Type 304 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	195.09 44.54	66.80
40 05 23 23-1083	EA 1-1/2", 150#, Type 304 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	210.27 49.09	73.64
40 05 23 23-1084	EA 2", 150#, Type 304 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	242.70 54.69	82.03
40 05 23 23-1085	EA 2-1/2", 150#, Type 304 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	317.95 69.93	104.89
40 05 23 23-1086	EA 3", 150#, Type 304 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	363.89 81.87	122.80
40 05 23 23-1087	EA 4", 150#, Type 304 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	450.83 98.10	147.15
40 05 23 23-1088	EA 6", 150#, Type 304 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	597.34 122.57	183.84
40 05 23 23-1089	EA 8", 150#, Type 304 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	1,039.46 204.77	307.14
40 05 23 23-1090	EA 10" 150#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	1,464.13 273.02	409.52
40 05 23 23-1091	EA 12" 150#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	2,183.60 409.53	614.28

**40 05 23 23-1092 300#, Type 304 Stainless Steel Raised Face Slip-On Flanges (40 05 23 23-1019)**

40 05 23 23-1093	EA 1/2" 300#, Type 304 Stainless Steel Raised Neck Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	162.52 35.00	52.50
40 05 23 23-1094	EA 3/4" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	169.70 37.16	55.72
40 05 23 23-1095	EA 1" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	181.97 40.84	61.24
40 05 23 23-1096	EA 1-1/4" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	218.79 44.54	66.80
40 05 23 23-1097	EA 1-1/2" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	233.97 49.09	73.64
40 05 23 23-1098	EA 2" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	258.71 54.69	82.03
40 05 23 23-1099	EA 2-1/2" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	377.58 69.93	104.89
40 05 23 23-1100	EA 3" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	423.48 81.87	122.80
40 05 23 23-1101	EA 4" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	533.35 98.10	147.15
40 05 23 23-1102	EA 6" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	830.44 122.57	183.84
40 05 23 23-1103	EA 8" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	1,274.83 204.77	307.14
40 05 23 23-1104	EA 10" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	1,843.20 273.02	409.52
40 05 23 23-1105	EA 12" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	2,671.20 409.53	614.28

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>40 05 23 23-1106 150#, Type 304 Stainless Steel Blind Flanges</b> <small>(40 05 23 23-1019)</small>		
40 05 23 23-1107 EA 1/2", 150#, Type 304 Stainless Steel Raised Face Blind Flange	55.96	10.49
<i>For Work In Restricted Working Space, Add</i>		
	7.00	
40 05 23 23-1108 EA 3/4", 150#, Type 304 Stainless Steel Raised Face Blind Flange	58.39	11.14
<i>For Work In Restricted Working Space, Add</i>		
	7.43	
40 05 23 23-1109 EA 1", 150#, Type 304 Stainless Steel Raised Face Blind Flange	63.16	12.24
<i>For Work In Restricted Working Space, Add</i>		
	8.17	
40 05 23 23-1110 EA 1-1/4", 150#, Type 304 Stainless Steel Raised Face Blind Flange	81.51	13.63
<i>For Work In Restricted Working Space, Add</i>		
	9.09	
40 05 23 23-1111 EA 1-1/2", 150#, Type 304 Stainless Steel Raised Face Blind Flange	92.16	18.42
<i>For Work In Restricted Working Space, Add</i>		
	12.28	
40 05 23 23-1112 EA 2", 150#, Type 304 Stainless Steel Raised Face Blind Flange	108.90	20.45
<i>For Work In Restricted Working Space, Add</i>		
	13.64	
40 05 23 23-1113 EA 2-1/2", 150#, Type 304 Stainless Steel Raised Face Blind Flange	148.60	26.29
<i>For Work In Restricted Working Space, Add</i>		
	17.53	
40 05 23 23-1114 EA 3", 150#, Type 304 Stainless Steel Raised Face Blind Flange	181.23	36.84
<i>For Work In Restricted Working Space, Add</i>		
	24.56	
40 05 23 23-1115 EA 4", 150#, Type 304 Stainless Steel Raised Face Blind Flange	275.54	61.39
<i>For Work In Restricted Working Space, Add</i>		
	40.93	
40 05 23 23-1116 EA 6", 150#, Type 304 Stainless Steel Raised Face Blind Flange	378.73	78.94
<i>For Work In Restricted Working Space, Add</i>		
	52.63	
40 05 23 23-1117 EA 8", 150#, Type 304 Stainless Steel Raised Face Blind Flange	584.54	95.55
<i>For Work In Restricted Working Space, Add</i>		
	63.70	
40 05 23 23-1118 EA 10", 150#, Type 304 Stainless Steel Raised Face Blind Flange	901.37	114.67
<i>For Work In Restricted Working Space, Add</i>		
	76.45	
40 05 23 23-1119 EA 12", 150#, Type 304 Stainless Steel Raised Face Blind Flange	1,193.58	143.34
<i>For Work In Restricted Working Space, Add</i>		
	95.56	
40 05 23 23-1120 EA 14", 150#, Type 304 Stainless Steel Raised Face Blind Flange	1,517.55	179.17
<i>For Work In Restricted Working Space, Add</i>		
	119.45	
40 05 23 23-1121 EA 16", 150#, Type 304 Stainless Steel Raised Face Blind Flange	1,960.12	204.38
<i>For Work In Restricted Working Space, Add</i>		
	136.25	
40 05 23 23-1122 EA 18", 150#, Type 304 Stainless Steel Raised Face Blind Flange	2,316.35	255.96
<i>For Work In Restricted Working Space, Add</i>		
	170.64	
40 05 23 23-1123 EA 20", 150#, Type 304 Stainless Steel Raised Face Blind Flange	3,075.37	358.34
<i>For Work In Restricted Working Space, Add</i>		
	238.89	
40 05 23 23-1124 EA 24", 150#, Type 304 Stainless Steel Raised Face Blind Flange	4,479.67	511.90
<i>For Work In Restricted Working Space, Add</i>		
	341.27	
<b>40 05 23 23-1125 300#, Type 304 Stainless Steel Blind Flanges</b> <small>(40 05 23 23-1019)</small>		
40 05 23 23-1126 EA 1/2", 300#, Type 304 Stainless Steel Raised Face Blind Flange	71.51	10.49
<i>For Work In Restricted Working Space, Add</i>		
	7.00	
40 05 23 23-1127 EA 3/4", 300#, Type 304 Stainless Steel Raised Face Blind Flange	72.94	11.14
<i>For Work In Restricted Working Space, Add</i>		
	7.43	
40 05 23 23-1128 EA 1", 300#, Type 304 Stainless Steel Raised Face Blind Flange	75.40	12.24
<i>For Work In Restricted Working Space, Add</i>		
	8.17	
40 05 23 23-1129 EA 1-1/4", 300#, Type 304 Stainless Steel Raised Face Blind Flange	96.02	13.63
<i>For Work In Restricted Working Space, Add</i>		
	9.09	
40 05 23 23-1130 EA 1-1/2", 300#, Type 304 Stainless Steel Raised Face Blind Flange	106.67	18.42
<i>For Work In Restricted Working Space, Add</i>		
	12.28	
40 05 23 23-1131 EA 2", 300#, Type 304 Stainless Steel Raised Face Blind Flange	116.55	20.45
<i>For Work In Restricted Working Space, Add</i>		
	13.64	
40 05 23 23-1132 EA 2-1/2", 300#, Type 304 Stainless Steel Raised Face Blind Flange	202.10	26.29
<i>For Work In Restricted Working Space, Add</i>		
	17.53	
40 05 23 23-1133 EA 3", 300#, Type 304 Stainless Steel Raised Face Blind Flange	231.29	36.84
<i>For Work In Restricted Working Space, Add</i>		
	24.56	
40 05 23 23-1134 EA 4", 300#, Type 304 Stainless Steel Raised Face Blind Flange	338.18	61.39
<i>For Work In Restricted Working Space, Add</i>		
	40.93	
40 05 23 23-1135 EA 6", 300#, Type 304 Stainless Steel Raised Face Blind Flange	637.02	78.94
<i>For Work In Restricted Working Space, Add</i>		
	52.63	
40 05 23 23-1136 EA 8", 300#, Type 304 Stainless Steel Raised Face Blind Flange	893.28	95.55
<i>For Work In Restricted Working Space, Add</i>		
	63.70	
40 05 23 23-1137 EA 10", 300#, Type 304 Stainless Steel Raised Face Blind Flange	1,277.36	114.67
<i>For Work In Restricted Working Space, Add</i>		
	76.45	
40 05 23 23-1138 EA 12", 300#, Type 304 Stainless Steel Raised Face Blind Flange	1,770.58	143.34
<i>For Work In Restricted Working Space, Add</i>		
	95.56	
40 05 23 23-1139 EA 14", 300#, Type 304 Stainless Steel Raised Face Blind Flange	2,479.92	179.17
<i>For Work In Restricted Working Space, Add</i>		
	119.45	
40 05 23 23-1140 EA 16", 300#, Type 304 Stainless Steel Raised Face Blind Flange	3,175.16	204.38
<i>For Work In Restricted Working Space, Add</i>		
	136.25	
40 05 23 23-1141 EA 18", 300#, Type 304 Stainless Steel Raised Face Blind Flange	4,144.95	255.96
<i>For Work In Restricted Working Space, Add</i>		
	170.64	
40 05 23 23-1142 EA 20", 300#, Type 304 Stainless Steel Raised Face Blind Flange	5,244.91	358.34
<i>For Work In Restricted Working Space, Add</i>		
	238.89	
40 05 23 23-1143 EA 24", 300#, Type 304 Stainless Steel Raised Face Blind Flange	8,048.02	511.90
<i>For Work In Restricted Working Space, Add</i>		
	341.27	
<b>40 05 23 23-1144 150#, Type 316 Stainless Steel Raised Face Threaded Flange</b> <small>(40 05 23 23-1019)</small>		
40 05 23 23-1145 EA 1/2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange	83.55	17.69
<i>For Work In Restricted Working Space, Add</i>		
	10.61	
40 05 23 23-1146 EA 3/4", 150#, Type 316 Stainless Steel Raised Face Threaded Flange	102.98	23.59
<i>For Work In Restricted Working Space, Add</i>		
	14.15	
40 05 23 23-1147 EA 1", 150#, Type 316 Stainless Steel Raised Face Threaded Flange	118.09	29.25
<i>For Work In Restricted Working Space, Add</i>		
	17.55	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

40 05 23 23-1148	EA	1-1/4", 150#, Type 316 Stainless Steel Raised Face Threaded Flange.....	162.24	41.39
		<i>For Work In Restricted Working Space, Add</i>	24.83	
40 05 23 23-1149	EA	1-1/2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange.....	172.81	46.67
		<i>For Work In Restricted Working Space, Add</i>	28.00	
40 05 23 23-1150	EA	2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange.....	217.19	59.27
		<i>For Work In Restricted Working Space, Add</i>	35.57	
40 05 23 23-1151	EA	2-1/2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange.....	321.90	91.36
		<i>For Work In Restricted Working Space, Add</i>	54.84	
40 05 23 23-1152	EA	3", 150#, Type 316 Stainless Steel Raised Face Threaded Flange.....	388.50	186.45
		<i>For Work In Restricted Working Space, Add</i>	70.00	
40 05 23 23-1153	EA	4", 150#, Type 316 Stainless Steel Raised Face Threaded Flange.....	506.45	146.19
		<i>For Work In Restricted Working Space, Add</i>	87.74	
<b>40 05 23 23-1154 300#, Type 316 Stainless Steel Raised Face Threaded Flange (40 05 23 23-1019)</b>				
40 05 23 23-1155	EA	1/2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange.....	109.53	17.69
		<i>For Work In Restricted Working Space, Add</i>	10.61	
40 05 23 23-1156	EA	3/4", 300#, Type 316 Stainless Steel Raised Face Threaded Flange.....	121.32	23.59
		<i>For Work In Restricted Working Space, Add</i>	14.15	
40 05 23 23-1157	EA	1", 300#, Type 316 Stainless Steel Raised Face Threaded Flange.....	132.64	29.25
		<i>For Work In Restricted Working Space, Add</i>	17.55	
40 05 23 23-1158	EA	1-1/4", 300#, Type 316 Stainless Steel Raised Face Threaded Flange.....	204.31	41.39
		<i>For Work In Restricted Working Space, Add</i>	24.83	
40 05 23 23-1159	EA	1-1/2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange.....	214.88	46.67
		<i>For Work In Restricted Working Space, Add</i>	28.00	
40 05 23 23-1160	EA	2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange.....	253.08	59.27
		<i>For Work In Restricted Working Space, Add</i>	35.57	
40 05 23 23-1161	EA	2-1/2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange.....	424.30	91.36
		<i>For Work In Restricted Working Space, Add</i>	54.84	
40 05 23 23-1162	EA	3", 300#, Type 316 Stainless Steel Raised Face Threaded Flange.....	482.49	186.45
		<i>For Work In Restricted Working Space, Add</i>	70.00	
40 05 23 23-1163	EA	4", 300#, Type 316 Stainless Steel Raised Face Threaded Flange.....	662.34	146.19
		<i>For Work In Restricted Working Space, Add</i>	87.74	
<b>40 05 23 23-1164 150#, Type 316 Stainless Steel Raised Face Weld Neck Flange (40 05 23 23-1019)</b>				
40 05 23 23-1165	EA	1/2", 150#, Type 316 Stainless Steel Weld Neck Flange.....	110.29	26.24
		<i>For Work In Restricted Working Space, Add</i>	17.50	
40 05 23 23-1166	EA	3/4", 150#, Type 316 Stainless Steel Weld Neck Flange.....	117.74	27.86
		<i>For Work In Restricted Working Space, Add</i>	18.58	
40 05 23 23-1167	EA	1", 150#, Type 316 Stainless Steel Weld Neck Flange.....	132.26	30.62
		<i>For Work In Restricted Working Space, Add</i>	20.42	
40 05 23 23-1168	EA	1-1/4", 150#, Type 316 Stainless Steel Weld Neck Flange.....	163.67	33.40
		<i>For Work In Restricted Working Space, Add</i>	22.27	
40 05 23 23-1169	EA	1-1/2", 150#, Type 316 Stainless Steel Weld Neck Flange.....	171.25	36.81
		<i>For Work In Restricted Working Space, Add</i>	24.55	
40 05 23 23-1170	EA	2", 150#, Type 316 Stainless Steel Weld Neck Flange.....	188.22	41.01
		<i>For Work In Restricted Working Space, Add</i>	27.35	
40 05 23 23-1171	EA	2-1/2", 150#, Type 316 Stainless Steel Weld Neck Flange.....	267.85	52.45
		<i>For Work In Restricted Working Space, Add</i>	34.97	
40 05 23 23-1172	EA	3", 150#, Type 316 Stainless Steel Weld Neck Flange.....	293.13	61.40
		<i>For Work In Restricted Working Space, Add</i>	40.94	
40 05 23 23-1173	EA	4", 150#, Type 316 Stainless Steel Weld Neck Flange.....	394.32	73.58
		<i>For Work In Restricted Working Space, Add</i>	49.05	
40 05 23 23-1174	EA	6", 150#, Type 316 Stainless Steel Weld Neck Flange.....	603.24	91.93
		<i>For Work In Restricted Working Space, Add</i>	61.29	
40 05 23 23-1175	EA	8", 150#, Type 316 Stainless Steel Weld Neck Flange.....	999.30	153.57
		<i>For Work In Restricted Working Space, Add</i>	102.38	
40 05 23 23-1176	EA	10", 150#, Type 316 Stainless Steel Weld Neck Flange.....	1,461.55	204.76
		<i>For Work In Restricted Working Space, Add</i>	136.51	
40 05 23 23-1177	EA	12", 150#, Type 316 Stainless Steel Weld Neck Flange.....	2,179.72	307.14
		<i>For Work In Restricted Working Space, Add</i>	204.77	
40 05 23 23-1178	EA	14", 150#, Type 316 Stainless Steel Weld Neck Flange.....	2,550.62	358.34
		<i>For Work In Restricted Working Space, Add</i>	238.89	
40 05 23 23-1179	EA	16", 150#, Type 316 Stainless Steel Weld Neck Flange.....	3,197.58	408.74
		<i>For Work In Restricted Working Space, Add</i>	272.50	
40 05 23 23-1180	EA	18", 150#, Type 316 Stainless Steel Weld Neck Flange.....	3,918.53	511.90
		<i>For Work In Restricted Working Space, Add</i>	341.27	
40 05 23 23-1181	EA	20", 150#, Type 316 Stainless Steel Weld Neck Flange.....	5,057.25	716.67
		<i>For Work In Restricted Working Space, Add</i>	477.78	
40 05 23 23-1182	EA	24", 150#, Type 316 Stainless Steel Weld Neck Flange.....	7,184.87	1,023.82
		<i>For Work In Restricted Working Space, Add</i>	682.55	
<b>40 05 23 23-1183 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange (40 05 23 23-1019)</b>				
40 05 23 23-1184	EA	1/2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	139.36	26.24
		<i>For Work In Restricted Working Space, Add</i>	17.50	
40 05 23 23-1185	EA	3/4" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	142.95	27.86
		<i>For Work In Restricted Working Space, Add</i>	18.58	
40 05 23 23-1186	EA	1" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	149.09	30.62
		<i>For Work In Restricted Working Space, Add</i>	20.42	
40 05 23 23-1187	EA	1-1/4" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	195.78	33.40
		<i>For Work In Restricted Working Space, Add</i>	22.27	
40 05 23 23-1188	EA	1-1/2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	203.36	36.81
		<i>For Work In Restricted Working Space, Add</i>	24.55	
40 05 23 23-1189	EA	2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	222.61	41.01
		<i>For Work In Restricted Working Space, Add</i>	27.35	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1190 EA 2-1/2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	328.26 34.97	52.45
40 05 23 23-1191 EA 3" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	358.86 40.94	61.40
40 05 23 23-1192 EA 4" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	544.08 49.05	73.58
40 05 23 23-1193 EA 6" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	885.23 61.29	91.93
40 05 23 23-1194 EA 8" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	1,398.24 102.38	153.57
40 05 23 23-1195 EA 10" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	2,011.03 136.51	204.76
40 05 23 23-1196 EA 12" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	2,955.39 204.77	307.14
40 05 23 23-1197 EA 14" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	3,995.14 238.89	358.34
40 05 23 23-1198 EA 16" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	4,959.01 272.50	408.74
40 05 23 23-1199 EA 18" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	6,341.78 341.27	511.90
40 05 23 23-1200 EA 20" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	8,141.12 477.78	716.67
40 05 23 23-1201 EA 24" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	11,869.44 682.55	1,023.82
<b>40 05 23 23-1202 150#, Type 316 Stainless Steel Raised Face Slip-On Flanges (40 05 23 23-1019)</b>		
40 05 23 23-1203 EA 1/2", 150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	156.43 35.00	52.50
40 05 23 23-1204 EA 3/4", 150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	168.97 37.16	55.72
40 05 23 23-1205 EA 1", 150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	186.30 40.84	61.24
40 05 23 23-1206 EA 1-1/4", 150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	252.67 44.54	66.80
40 05 23 23-1207 EA 1-1/2", 150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	228.60 49.09	73.64
40 05 23 23-1208 EA 2", 150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	247.25 54.69	82.03
40 05 23 23-1209 EA 2-1/2", 150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	314.90 69.93	104.89
40 05 23 23-1210 EA 3", 150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	389.86 81.87	122.80
40 05 23 23-1211 EA 4", 150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	505.83 98.10	147.15
40 05 23 23-1212 EA 6", 150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	679.09 122.57	183.84
40 05 23 23-1213 EA 8", 150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	1,208.33 204.77	307.14
40 05 23 23-1214 EA 10" 150#, Type 316 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	1,694.95 273.02	409.52
40 05 23 23-1215 EA 12" 150#, Type 316 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	2,492.34 409.53	614.28
<b>40 05 23 23-1216 300#, Type 316 Stainless Steel Raised Face Slip-On Flanges (40 05 23 23-1019)</b>		
40 05 23 23-1217 EA 1/2" 300#, Type 316 Stainless Steel Raised Neck Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	177.81 35.00	52.50
40 05 23 23-1218 EA 3/4" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	184.99 37.16	55.72
40 05 23 23-1219 EA 1" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	197.26 40.84	61.24
40 05 23 23-1220 EA 1-1/4" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	248.58 44.54	66.80
40 05 23 23-1221 EA 1-1/2" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	263.76 49.09	73.64
40 05 23 23-1222 EA 2" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	286.89 54.69	82.03
40 05 23 23-1223 EA 2-1/2" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	444.05 69.93	104.89
40 05 23 23-1224 EA 3" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	491.49 81.87	122.80
40 05 23 23-1225 EA 4" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	638.80 98.10	147.15
40 05 23 23-1226 EA 6" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	984.05 122.57	183.84
40 05 23 23-1227 EA 8" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	1,433.05 204.77	307.14
40 05 23 23-1228 EA 10" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	2,358.29 273.02	409.52
40 05 23 23-1229 EA 12" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	3,125.15 409.53	614.28
<b>40 05 23 23-1230 150#, Type 316 Stainless Steel Blind Flanges (40 05 23 23-1019)</b>		
40 05 23 23-1231 EA 1/2", 150#, Type 316 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	63.10 7.00	10.49

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

40 05 23 23-1232	EA	3/4", 150#, Type 316 Stainless Steel Raised Face Blind Flange	71.40	11.14
		<i>For Work In Restricted Working Space, Add</i>	7.43	
40 05 23 23-1233	EA	1", 150#, Type 316 Stainless Steel Raised Face Blind Flange	80.73	12.24
		<i>For Work In Restricted Working Space, Add</i>	8.17	
40 05 23 23-1234	EA	1-1/4", 150#, Type 316 Stainless Steel Raised Face Blind Flange	95.25	13.63
		<i>For Work In Restricted Working Space, Add</i>	9.09	
40 05 23 23-1235	EA	1-1/2", 150#, Type 316 Stainless Steel Raised Face Blind Flange	105.90	18.42
		<i>For Work In Restricted Working Space, Add</i>	12.28	
40 05 23 23-1236	EA	2", 150#, Type 316 Stainless Steel Raised Face Blind Flange	131.83	20.45
		<i>For Work In Restricted Working Space, Add</i>	13.64	
40 05 23 23-1237	EA	2-1/2", 150#, Type 316 Stainless Steel Raised Face Blind Flange	184.54	26.29
		<i>For Work In Restricted Working Space, Add</i>	17.53	
40 05 23 23-1238	EA	3", 150#, Type 316 Stainless Steel Raised Face Blind Flange	220.99	36.84
		<i>For Work In Restricted Working Space, Add</i>	24.56	
40 05 23 23-1239	EA	4", 150#, Type 316 Stainless Steel Raised Face Blind Flange	342.77	61.39
		<i>For Work In Restricted Working Space, Add</i>	40.93	
40 05 23 23-1240	EA	6", 150#, Type 316 Stainless Steel Raised Face Blind Flange	486.49	78.94
		<i>For Work In Restricted Working Space, Add</i>	52.63	
40 05 23 23-1241	EA	8", 150#, Type 316 Stainless Steel Raised Face Blind Flange	842.06	95.55
		<i>For Work In Restricted Working Space, Add</i>	63.70	
40 05 23 23-1242	EA	10", 150#, Type 316 Stainless Steel Raised Face Blind Flange	1,104.67	114.67
		<i>For Work In Restricted Working Space, Add</i>	76.45	
40 05 23 23-1243	EA	12", 150#, Type 316 Stainless Steel Raised Face Blind Flange	1,779.77	143.34
		<i>For Work In Restricted Working Space, Add</i>	95.56	
40 05 23 23-1244	EA	14", 150#, Type 316 Stainless Steel Raised Face Blind Flange	2,117.70	179.17
		<i>For Work In Restricted Working Space, Add</i>	119.45	
40 05 23 23-1245	EA	16", 150#, Type 316 Stainless Steel Raised Face Blind Flange	2,767.52	204.38
		<i>For Work In Restricted Working Space, Add</i>	136.25	
40 05 23 23-1246	EA	18", 150#, Type 316 Stainless Steel Raised Face Blind Flange	3,253.28	255.96
		<i>For Work In Restricted Working Space, Add</i>	170.64	
40 05 23 23-1247	EA	20", 150#, Type 316 Stainless Steel Raised Face Blind Flange	4,297.26	358.34
		<i>For Work In Restricted Working Space, Add</i>	238.89	
40 05 23 23-1248	EA	24", 150#, Type 316 Stainless Steel Raised Face Blind Flange	6,271.49	511.90
		<i>For Work In Restricted Working Space, Add</i>	341.27	
<b>40 05 23 23-1249</b>		<b>300#, Type 316 Stainless Steel Blind Flanges</b> (40 05 23 23-1019)		
40 05 23 23-1250	EA	1/2", 300#, Type 316 Stainless Steel Raised Face Blind Flange	97.49	10.49
		<i>For Work In Restricted Working Space, Add</i>	7.00	
40 05 23 23-1251	EA	3/4", 300#, Type 316 Stainless Steel Raised Face Blind Flange	98.92	11.14
		<i>For Work In Restricted Working Space, Add</i>	7.43	
40 05 23 23-1252	EA	1", 300#, Type 316 Stainless Steel Raised Face Blind Flange	101.38	12.24
		<i>For Work In Restricted Working Space, Add</i>	8.17	
40 05 23 23-1253	EA	1-1/4", 300#, Type 316 Stainless Steel Raised Face Blind Flange	151.83	13.63
		<i>For Work In Restricted Working Space, Add</i>	9.09	
40 05 23 23-1254	EA	1-1/2", 300#, Type 316 Stainless Steel Raised Face Blind Flange	162.48	18.42
		<i>For Work In Restricted Working Space, Add</i>	12.28	
40 05 23 23-1255	EA	2", 300#, Type 316 Stainless Steel Raised Face Blind Flange	179.96	20.45
		<i>For Work In Restricted Working Space, Add</i>	13.64	
40 05 23 23-1256	EA	2-1/2", 300#, Type 316 Stainless Steel Raised Face Blind Flange	299.95	26.29
		<i>For Work In Restricted Working Space, Add</i>	17.53	
40 05 23 23-1257	EA	3", 300#, Type 316 Stainless Steel Raised Face Blind Flange	331.03	36.84
		<i>For Work In Restricted Working Space, Add</i>	24.56	
40 05 23 23-1258	EA	4", 300#, Type 316 Stainless Steel Raised Face Blind Flange	506.31	61.39
		<i>For Work In Restricted Working Space, Add</i>	40.93	
40 05 23 23-1259	EA	6", 300#, Type 316 Stainless Steel Raised Face Blind Flange	923.65	78.94
		<i>For Work In Restricted Working Space, Add</i>	52.63	
40 05 23 23-1260	EA	8", 300#, Type 316 Stainless Steel Raised Face Blind Flange	1,189.83	95.55
		<i>For Work In Restricted Working Space, Add</i>	63.70	
40 05 23 23-1261	EA	10", 300#, Type 316 Stainless Steel Raised Face Blind Flange	2,139.44	114.67
		<i>For Work In Restricted Working Space, Add</i>	76.45	
40 05 23 23-1262	EA	12", 300#, Type 316 Stainless Steel Raised Face Blind Flange	2,608.97	143.34
		<i>For Work In Restricted Working Space, Add</i>	95.56	
40 05 23 23-1263	EA	14", 300#, Type 316 Stainless Steel Raised Face Blind Flange	3,767.63	179.17
		<i>For Work In Restricted Working Space, Add</i>	119.45	
40 05 23 23-1264	EA	16", 300#, Type 316 Stainless Steel Raised Face Blind Flange	4,858.26	204.38
		<i>For Work In Restricted Working Space, Add</i>	136.25	
40 05 23 23-1265	EA	18", 300#, Type 316 Stainless Steel Raised Face Blind Flange	6,357.04	255.96
		<i>For Work In Restricted Working Space, Add</i>	170.64	
40 05 23 23-1266	EA	20", 300#, Type 316 Stainless Steel Raised Face Blind Flange	7,996.65	358.34
		<i>For Work In Restricted Working Space, Add</i>	238.89	
40 05 23 23-1267	EA	24", 300#, Type 316 Stainless Steel Raised Face Blind Flange	12,322.58	511.90
		<i>For Work In Restricted Working Space, Add</i>	341.27	
<b>40 05 23 23-1268</b>		<b>Type 316 Seamless Annealed Tubing</b> (40 05 23 23)		
		Note: For high pressure air (8000 PSIG working pressure).		
<b>40 05 23 23-1269</b>		<b>Type 316 Seamless Annealed Tubing</b> (40 05 23 23-1268)		
40 05 23 23-1270	LF	3/8" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .065 Wall Thickness	21.78	
40 05 23 23-1271	LF	1/2" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .083 Wall Thickness	27.32	
40 05 23 23-1272	LF	3/4" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .120 Wall Thickness	33.07	
<b>40 05 23 23-1273</b>		<b>Type 316 Seamless Annealed Tubing Fittings</b> (40 05 23 23-1268)		
		Note: Pressure rating 5000 PSI minimum. Includes front and back ferrules.		
40 05 23 23-1274	EA	3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Connector With Front And Back Ferrules	70.39	
40 05 23 23-1275	EA	3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Elbow With Front And Back Ferrules	80.18	



MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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40 05 23 23-1276	EA	3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Tee With Front And Back Ferrules .....	123.36	
40 05 23 23-1277	EA	3/8" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules .....	54.67	
40 05 23 23-1278	EA	3/8" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules.....	90.32	
40 05 23 23-1279	EA	1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Connector With Front And Back Ferrules .....	69.69	
40 05 23 23-1280	EA	1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Elbow With Front And Back Ferrules.....	84.14	
40 05 23 23-1281	EA	1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules .....	129.38	
40 05 23 23-1282	EA	1/2" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules .....	81.88	
40 05 23 23-1283	EA	1/2" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules.....	127.24	
40 05 23 23-1284	EA	3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Connector With Front And Back Ferrules .....	81.84	
40 05 23 23-1285	EA	3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Elbow With Front And Back Ferrules.....	104.87	
40 05 23 23-1286	EA	3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules .....	172.41	
40 05 23 23-1287	EA	3/4" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules .....	141.61	
40 05 23 23-1288	EA	3/4" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules.....	175.13	

**40 05 23 23-1289 Valves For High Pressure Air (5,000 PSIG)** (40 05 23 23-1288)

**40 05 23 23-1290 Needle Valves** (40 05 23 23-1289)

40 05 23 23-1291	EA	3/8" Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge .....	308.59	
40 05 23 23-1292	EA	1/2" Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge .....	487.23	

**40 05 23 23-1293 Safety Valve (Code Stamped) Work Pressure, 6,000 PSIG** (40 05 23 23-1289)

40 05 23 23-1294	EA	1/4" NPT Inlet, Safety Valve Spring Loaded 316 Stainless Steel Construction.....	295.23	
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**40 05 23 23-1295 Other Valves Working Pressure 6,000 PSI** (40 05 23 23-1289)

40 05 23 23-1296	EA	1/4" NPT Pressure Reducing Valve Spring Loaded, Stainless Steel Body, 6,000 PSIG.....	1,207.92	
40 05 23 23-1297	EA	1/4" NPT Pressure Gauge, Liquid Filled, 6,000 PSIG, Blow Out Back .....	306.88	
40 05 23 23-1298	EA	Snubber 316 Stainless Steel Body, Rated For Design Pressure With Sinterec Element.....	61.68	

**40 05 41 Glass Process Pipe** (40 05)

**40 05 41 00-0001 Glass Pressure Pipe** (40 05 41)

**40 05 41 00-0002 Glass Pipe, Beaded Joints** (40 05 41 00-0001)

40 05 41 00-0003	LF	1/2" Glass Pipe, Pressure.....	38.46	15.15
			<i>For Work In Restricted Working Space, Add</i>	<i>9.08</i>
40 05 41 00-0004	LF	3/4" Glass Pipe, Pressure.....	46.16	18.17
			<i>For Work In Restricted Working Space, Add</i>	<i>10.90</i>
40 05 41 00-0005	LF	1" Glass Pipe, Pressure.....	53.14	20.19
			<i>For Work In Restricted Working Space, Add</i>	<i>12.11</i>
40 05 41 00-0006	LF	1-1/2" Glass Pipe, Pressure.....	70.50	27.26
			<i>For Work In Restricted Working Space, Add</i>	<i>16.35</i>
40 05 41 00-0007	LF	2" Glass Pipe, Pressure.....	85.77	32.31
			<i>For Work In Restricted Working Space, Add</i>	<i>19.38</i>
40 05 41 00-0008	LF	3" Glass Pipe, Pressure.....	104.92	37.35
			<i>For Work In Restricted Working Space, Add</i>	<i>22.41</i>
40 05 41 00-0009	LF	4" Glass Pipe, Pressure.....	143.27	50.48
			<i>For Work In Restricted Working Space, Add</i>	<i>30.29</i>
40 05 41 00-0010	LF	6" Glass Pipe, Pressure.....	197.06	60.57
			<i>For Work In Restricted Working Space, Add</i>	<i>36.35</i>

**40 05 41 00-0011 Glass 90 Degree Elbows** (40 05 41 00-0001)

40 05 41 00-0012	EA	1/2" 90 Degree Elbow, Glass, Pressure.....	180.64	80.76
			<i>For Work In Restricted Working Space, Add</i>	<i>48.46</i>
40 05 41 00-0013	EA	3/4" 90 Degree Elbow, Glass, Pressure.....	194.13	85.81
			<i>For Work In Restricted Working Space, Add</i>	<i>51.49</i>
40 05 41 00-0014	EA	1" 90 Degree Elbow, Glass, Pressure.....	211.17	90.86
			<i>For Work In Restricted Working Space, Add</i>	<i>54.51</i>
40 05 41 00-0015	EA	1-1/2" 90 Degree Elbow, Glass, Pressure .....	233.32	100.95
			<i>For Work In Restricted Working Space, Add</i>	<i>60.57</i>
40 05 41 00-0016	EA	2" 90 Degree Elbow, Glass, Pressure.....	264.00	111.05
			<i>For Work In Restricted Working Space, Add</i>	<i>66.64</i>
40 05 41 00-0017	EA	3" 90 Degree Elbow, Glass, Pressure.....	329.22	131.24
			<i>For Work In Restricted Working Space, Add</i>	<i>78.74</i>
40 05 41 00-0018	EA	4" 90 Degree Elbow, Glass, Pressure.....	375.54	141.33
			<i>For Work In Restricted Working Space, Add</i>	<i>84.79</i>
40 05 41 00-0019	EA	6" 90 Degree Elbow, Glass, Pressure.....	565.21	161.53
			<i>For Work In Restricted Working Space, Add</i>	<i>96.92</i>

**40 05 41 00-0020 Glass 45 Degree Elbows** (40 05 41 00-0001)

40 05 41 00-0021	EA	1/2" 45 Degree Elbow, Glass, Pressure.....	179.87	80.76
			<i>For Work In Restricted Working Space, Add</i>	<i>48.46</i>
40 05 41 00-0022	EA	3/4" 45 Degree Elbow, Glass, Pressure.....	193.25	85.81
			<i>For Work In Restricted Working Space, Add</i>	<i>51.49</i>
40 05 41 00-0023	EA	1" 45 Degree Elbow, Glass, Pressure.....	209.98	90.86
			<i>For Work In Restricted Working Space, Add</i>	<i>54.51</i>
40 05 41 00-0024	EA	1-1/2" 45 Degree Elbow, Glass, Pressure .....	232.06	100.95
			<i>For Work In Restricted Working Space, Add</i>	<i>60.57</i>
40 05 41 00-0025	EA	2" 45 Degree Elbow, Glass, Pressure.....	262.29	111.05
			<i>For Work In Restricted Working Space, Add</i>	<i>66.62</i>

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 41 Glass Process Pipe**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

40 05 41 00-0026	EA	3" 45 Degree Elbow, Glass, Pressure.....	326.57	131.24
		<i>For Work In Restricted Working Space, Add</i>	78.75	
40 05 41 00-0027	EA	4" 45 Degree Elbow, Glass, Pressure.....	371.83	141.33
		<i>For Work In Restricted Working Space, Add</i>	84.79	
40 05 41 00-0028	EA	6" 45 Degree Elbow, Glass, Pressure.....	555.39	161.53
		<i>For Work In Restricted Working Space, Add</i>	96.89	
<b>40 05 41 00-0029</b>		<b>Glass Tees</b> <small>(40 05 41 00-0001)</small>		
40 05 41 00-0030	EA	1/2" Tee, Glass, Pressure.....	275.05	121.15
		<i>For Work In Restricted Working Space, Add</i>	72.70	
40 05 41 00-0031	EA	3/4" Tee, Glass, Pressure.....	295.65	131.24
		<i>For Work In Restricted Working Space, Add</i>	78.75	
40 05 41 00-0032	EA	1" Tee, Glass, Pressure.....	319.27	141.33
		<i>For Work In Restricted Working Space, Add</i>	84.79	
40 05 41 00-0033	EA	1-1/2" Tee, Glass, Pressure.....	356.46	151.43
		<i>For Work In Restricted Working Space, Add</i>	90.84	
40 05 41 00-0034	EA	2" Tee, Glass, Pressure.....	396.01	166.58
		<i>For Work In Restricted Working Space, Add</i>	99.96	
40 05 41 00-0035	EA	3" Tee, Glass, Pressure.....	481.04	201.91
		<i>For Work In Restricted Working Space, Add</i>	121.15	
40 05 41 00-0036	EA	4" Tee, Glass, Pressure.....	553.40	211.91
		<i>For Work In Restricted Working Space, Add</i>	127.15	
40 05 41 00-0037	EA	6" Tee, Glass, Pressure.....	710.85	242.19
		<i>For Work In Restricted Working Space, Add</i>	145.33	
<b>40 05 41 00-0038</b>		<b>Glass Couplings, Vitron Liner</b> <small>(40 05 41 00-0001)</small>		
40 05 41 00-0039	EA	1/2" Coupling, Vitron Liner, Glass.....	27.48	
40 05 41 00-0040	EA	3/4" Coupling, Vitron Liner, Glass.....	31.41	
40 05 41 00-0041	EA	1" Coupling, Vitron Liner, Glass.....	36.65	
40 05 41 00-0042	EA	1-1/2" Coupling, Vitron Liner, Glass.....	41.88	
40 05 41 00-0043	EA	2" Coupling, Vitron Liner, Glass.....	50.39	
40 05 41 00-0044	EA	3" Coupling, Vitron Liner, Glass.....	92.27	
40 05 41 00-0045	EA	4" Coupling, Vitron Liner, Glass.....	111.25	
40 05 41 00-0046	EA	6" Coupling, Vitron Liner, Glass.....	222.49	

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